CW OPENING ELEMENTS

Cat. nr. **15M**
Art. nr. **PP_AD.089.M15C.00**
Edition **09/2021**

Reynaers Aluminium

Together for better

www.reynaers.com

Inhoud
Sommaire
Content
Inhalt

A Algemene informatie
Généralités
General Information
Allgemeine Information

B Algemene informatie systemen
Généralités séries
General Information System
Allgemeine Information System

C Profielen
Profilés
Profiles
Profile

D Doorsnedetekeningen
Sections des noeuds
Section drawings
Profilkombinationen

E Werktekeningen
Coupes et débits
Work drawings
Werkzeichnungen

F Montagetekeningen
Fabrication et montage
Assembly drawings
Montagezeichnungen

G Toebehoren
Accessoires
Accessories
Zubehör

Reynaers Aluminium

Inhoud

INHOUDSTAFEL 15M.001-008

Algemene informatie

SYMBOLENLIJST 15M.A.001-008

Algemene informatie systeme

VERWERKINGSVOORSCHRIFTEN 15M.B.001-056

Profielen

PROFIELOVERZICHT 15M.C.001-006
BUITENDRAAIEND ELEM - SG 15M.C.007-008
BUITENDRAAIEND ELEM - SG RANDPROFIEL 15M.C.009
BUITENDRAAIEND ELEM - GB KADER 15M.C.010
BUITENDRAAIEND ELEM - GB VLEUGEL 15M.C.011
BUITENDRAAIEND ELEM - SGS 15M.C.012
UITZETZAKRAAM FV SG 15M.C.013
BUITENDR. ELEM. - CW 50-SG - CW 60-SG 15M.C.014
AFWERKINGSPROFIEL GEMOTORIZEERD RAAM 15M.C.015
BINNENDR. ELEM. HV SG 15M.C.016-017
BUITENKADER DAKRAAM 15M.C.018
VLEUGEL DAKRAAM 15M.C.019
BUITENKADER DAKRAAM HI 15M.C.020
VLEUGEL DAKRAAM HI 15M.C.021
GLASLATTEN DAKRAAM 15M.C.022
GLASSTEUNEN DAKRAAM 15M.C.023
AFSTANDSHOUDER 15M.C.024-025
HULPPROFIEL SC 15M.C.026
KOPPELING MET ANDERE SYSTEMEN 15M.C.027-036

Doorsnedetekeningen

OVERZICHT 15M.D.001
BUITENDRAAIEND ELEM - SG 15M.D.002
BUITENDRAAIEND ELEM - SG HI 15M.D.003
BUITENDRAAIEND ELEM - GB 15M.D.004
BUITENDRAAIEND ELEM - GB HI 15M.D.005-006
BUITENDRAAIEND ELEM - SG - SC 15M.D.007
BUITENDRAAIEND ELEM - SG HI- SC 15M.D.008
BUITENDRAAIEND ELEM - SG - HL 15M.D.009
BUITENDRAAIEND ELEM - SG HI -HL 15M.D.010
BUITENDRAAIEND ELEM - SG - VL 15M.D.011
BUITENDRAAIEND ELEM - SG HI - VL 15M.D.012
BUITENDRAAIEND ELEM - SGS - SC 15M.D.013
BUITENDRAAIEND ELEM - SGS HI - SC 15M.D.014
BUITENDR. ELEM. - CW 50-SG - CW 60-SG 15M.D.015
UITZETZAKRAAM FV SG 15M.D.016
UITZETZAKRAAM FV SG - HL 15M.D.017
UITZETZAKRAAM FV SG - VL 15M.D.018
UITZETZAKRAAM FV SG - CW 50-TT 15M.D.019
UITZETZAKRAAM FV SG - CW 50-TT/HL 15M.D.020
UITZETZAKRAAM FV SG - TT/VL 15M.D.021
SSG BINNENDR. ELEM. HV 15M.D.022-023
SSG BINNENDR. ELEM. HV - SC 15M.D.024-025
DAKRAAM GB 15M.D.026
DAKRAAM GB HI 15M.D.027
DAKRAAM SGS/GB 15M.D.028
DAKRAAM SGS/GB HI 15M.D.029
DAKRAAM SGS 15M.D.030
DAKRAAM SGS HI 15M.D.031
KOPPELING DEUR -SC 15M.D.032
KOPPELING DEUR -SG 15M.D.033
BUITENDRAAIEND ELEM - SG - EF 7-GB 15M.D.034-035
BUITENDRAAIEND ELEM - SG - EF 7-GB/HI 15M.D.036-037
BUITENDRAAIEND ELEM - SG - EF 7-SG 15M.D.038-039
BUITENDRAAIEND ELEM - SG - EF 7-SG/HI 15M.D.040-041
BUITENDRAAIEND ELEM - EF 7-GB 15M.D.042-045
BUITENDRAAIEND ELEM - SGS - EF 7-SG 15M.D.046-047
BUITENDRAAIEND ELEM - SGS - EF 7-SG/HI 15M.D.048-050

Werktekeningen

BUITENDRAAIEND ELEM THW SG 15M.E.001-003
BUITENDRAAIEND ELEM THW SG HI 15M.E.004-005
BUITENDRAAIEND ELEM THW GB 15M.E.006-007
BUITENDRAAIEND ELEM THW GB HI 15M.E.008-009
BUITENDRAAIEND ELEM THW SG - CW50-SC 15M.E.010-011
BUITENDRAAIEND ELEM THW SG - CW50-SC/HI 15M.E.012-013
BUITENDRAAIEND ELEM THW SG - CW50-HL 15M.E.014-015
BUITENDRAAIEND ELEM THW SG - CW50-HL/HI 15M.E.016-017
BUITENDRAAIEND ELEM THW SG - CW50-VL 15M.E.018-019
BUITENDRAAIEND ELEM THW SG - CW50-VL/HI 15M.E.020-021
BUITENDRAAIEND ELEM THW SGS - CW50-SC 15M.E.022-023
BUITENDRAAIEND ELEM THW SGS - CW50-SC/HI 15M.E.024-025
BUITENDRAAIEND ELEM THW - CW50-SG - CW 60-SG 15M.E.026-027
UITZETZAKRAAM FV SG 15M.E.028-029
UITZETZAKRAAM FV SG - HL 15M.E.030-031
UITZETZAKRAAM FV SG - VL 15M.E.032-033
UITZETZAKRAAM FV SG - CW 50-TT 15M.E.034-035
UITZETZAKRAAM FV SG - CW50 -T/HL 15M.E.036-037
UITZETZAKRAAM FV SG - TT/VL 15M.E.038-039
BUITENDRAAIEND ELEM POW SG 15M.E.040-041
BUITENDRAAIEND ELEM POW GB 15M.E.042-043
BUITENDRAAIEND ELEM POW SG - CW50-SC 15M.E.044-045
BUITENDRAAIEND ELEM POW SGS - CW50-SC 15M.E.046-047
BUITENDRAAIEND ELEM POW SGS - CW50-SC/HI 15M.E.048-049
BINNENDR. ELEM. HV SG 15M.E.050-051
BINNENDR. ELEM. HV SG - SC 15M.E.052-053
DAKRAAM GB 15M.E.054-055
DAKRAAM: RAAMKRUK 15M.E.056-057
DAKRAAM: SPINDEL 15M.E.058-059
DAKRAAM: MOTOR 15M.E.060-061
DAKRAAM GB HI 15M.E.062-063
DAKRAAM: RAAMKRUK HI 15M.E.064-065
DAKRAAM: SPINDEL HI 15M.E.066-067
DAKRAAM: MOTOR HI 15M.E.068-069
DAKRAAM SGS/GB 15M.E.070-073
DAKRAAM SGS/GB HI 15M.E.074-077
DAKRAAM SGS 15M.E.078-081
DAKRAAM SGS HI 15M.E.082-085
GEVEL VARIANTEN-SC " MASTERLINE DEURAANSLUITING 15M.E.086-087
BUITENDRAAIEND ELEM THW SG - EF 7-GB 15M.E.088-089
BUITENDRAAIEND ELEM THW GB - EF 7-GB 15M.E.090-091
BUITENDRAAIEND ELEM THW SG - EF 7-SG 15M.E.092-093
BUITENDRAAIEND ELEM THW SGS - EF 7-SG 15M.E.094-095
BUITENDRAAIEND ELEM POW SG - EF 7-GB 15M.E.096-097
BUITENDRAAIEND ELEM POW GB - EF 7-GB 15M.E.098-099
BUITENDRAAIEND ELEM POW SG - EF 7-SG 15M.E.100-101
BUITENDRAAIEND ELEM POW SGS - EF 7-SG 15M.E.102-103
BUITENDRAAIEND ELEM POW SG - EF7 SG 15M.E.104

Montagetekeningen

GEREEDSCHAPPEN EN MACHINES OVERZICHT 15M.F.001-003
KLEMBLOKKEN CNC MACHINES 15M.F.004-005
PERSEN KADER 134.0135.XX 15M.F.006
PERSEN VLEUGEL 134.0130.XX 15M.F.007
PERSEN KADER 134.0125.XX 15M.F.008
PERSEN VLEUGEL 134.2130, 2135, 2140.XX 15M.F.009
PERSEN KADER 134.0145.XX 15M.F.010
PERSEN VLEUGEL 134.0140.XX 15M.F.011
VERLIJMEN OPVULPROFIEL 180,932X,04 15M.F.012
VERLIJMEN OPVULPROFIEL 134.018X.04 15M.F.013
BUITENDRAAIEND ELEM BEVESTIGING CW 15M.F.014-015
BUITENDRAAIEND ELEM BEVESTIGING EF 7 15M.F.016-017
BUITENDRAAIEND ELEM ONTWATERING SG 15M.F.018-019
GLASSTEUN, MAX. GLASGEWICHT 120KG 15M.F.020
GLASSTEUN, MAX. GLASGEWICHT 165KG 15M.F.021
BUITENDRAAIEND ELEM UITVALBEVEILIGING SG 15M.F.022-023
BUITENDRAAIEND ELEM ONTWATERING GB 15M.F.024-025
GLASSTEUN 15M.F.026
GLASLATBEVEILIGING 15M.F.027
BUITENDRAAIEND ELEM ONTWATERING SGS 15M.F.028-029
BUITENDRAAIEND ELEM GLASSTEUN SGS 15M.F.030
BUITENDRAAIEND ELEM UITVALBEVEILIGING SGS 15M.F.031
BUITENDRAAIEND ELEM HENDEL 15M.F.032-033
BUITENDRAAIEND ELEM ERRETI HENDEL 15M.F.034-035
BUITENDRAAIEND ELEM HOEKOVERBRENGING/SLUITPUN 15M.F.036-037
MIN/MAX AFMETINGEN THW CALDWELL 15M.F.038-039
BEWERKINGEN THW CALDWELL 15M.F.040-041
MIN/MAX AFMETINGEN THW SECURISTYLE 15M.F.042-043
BEWERKINGEN THW SECURISTYLE 15M.F.044-047
SLUITPUNTEN THW 15M.F.048-049
DIMENSIONS TRINGLES THW INSTEEKSLOT 15M.F.050
DIMENSIONS TRINGLES THW ERRETI RAAMPOMP 15M.F.051
SLUITPUNT BOVENZIJDE THW CALDWELL 15M.F.052
SLUITPUNT BOVENZIJDE THW SECURISTYLE 15M.F.053
BEGRENZINGSSCHAAR 15M.F.054-059
MANUELE POW 15M.F.060-061
MIN/MAX AFMETINGEN MANUELE POW 15M.F.062-063
BEWERKINGEN POW 15M.F.064-065
SLUITPUNTEN POW 15M.F.066-067
AFMETINGEN TRINGELS POW 15M.F.068-069
DIMENSIONS TRINGLES POW ERRETI RAAMPOMP 15M.F.070-071
POW MONTAGE KRUK 15M.F.072-073
POW MONTAGE ERRETI RAAMPOMP 15M.F.074-075
SAMENSTELLING VLEUGEL UITZETZAKRAAM 15M.F.076-077
MONTAGE VLEUGEL 15M.F.078
MONTAGE BUITENKADER 15M.F.079
BUITENKADER 15M.F.080-081
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG 15M.F.082
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG - HL 15M.F.083
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG -TT VL 15M.F.084-085
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG -TT 15M.F.086
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG -TT HL 15M.F.087
SCHAREN THW - 034.0140.XX & 034.0141.XX 15M.F.088-091
TOEBEHOREN UITZETZAKRAAM 15M.F.092-093
UITZETSCHAREN REGELING 15M.F.094
MONTAGE SCHAREN 15M.F.095
TOEBEHOREN UITZETZAKRAAM 15M.F.096-101
PERSEN KADER 034.0162.XX 15M.F.102
PERSEN VLEUGEL 034.0163.XX 15M.F.103
MONTAGE VLEUGEL THW - CW 50-SG - CW 60-SG 15M.F.104-105
SCHAREN THW - CW 50-SG - CW 60-SG 15M.F.106-109
MANUELE THW - SG 15M.F.110-113
RAAMBEGRENZER THW - CW 50-SG - CW 60-SG 15M.F.114
BEWERKINGEN RAAM - CW 50-SG - CW 60-SG 15M.F.115-116
MECHANISCHE BEVEILIGING - CW 50-SG - CW 60-SG 15M.F.117
VERBORGEN VLEUGEL 15M.F.118-121
VERBORGEN VLEUGEL SSG 15M.F.122-129
VERBORGEN VLEUGEL SSG - SC 15M.F.130-133
DAKRAAM:GEREEDSCHAPPEN EN MACHINES OVERZICHT 15M.F.134
DAKRAAM:OVERZICHT CONFIGURATIES 15M.F.135
DAKRAAM: KLEMBLOKKEN CNC MACHINES 15M.F.136-137
DAKRAAM: SCHROEFHOEK BUITENKADER 15M.F.138
DAKRAAM: SCHROEFHOEK VLEUGEL 15M.F.139
DAKRAAM: SCHROEFHOEK GLASLAT 15M.F.140
DAKRAAM: SCHROEFHOEK GLASLAT SGS/GB 15M.F.141
DAKRAAM: MONTAGE GB 15M.F.142
DAKRAAM: MONTAGE SGS/GB 15M.F.143
DAKRAAM: MONTAGE SGS 15M.F.144
DAKRAAM: MONTAGE SCHARNIER 15M.F.145-146
DAKRAAM: MONTAGE SCHARNIER HI 15M.F.147
DAKRAAM: ONTWATERING 15M.F.148-149
DAKRAAM: RAAMKRUK 15M.F.150
DAKRAAM: SPINDEL 15M.F.151
DAKRAAM: MONTAGEVOORBEELD KETTINGMOTOR 15M.F.152-153
DAKRAAM: MONTAGEVOORBEELD STANGMOTOR 15M.F.154-155
DAKRAAM: MONTAGEVOORBEELD SLUITPUNTMOTOR 15M.F.156-157
DAKRAAM: SLUITPUNTEN 15M.F.158-161
DAKRAAM: 071.6551.– 15M.F.162-163
DAKRAAM: MAXIMUM OPENINGSHOEK 15M.F.164-165
DAKRAAM: MAX. AFMETINGEN 15M.F.166-168
DAKRAAM: MIN.AFMETINGEN 15M.F.169

GEVEL VARIANTEN-SC " MASTERLINE DEURAANSLUITINC 15M.F.170-171
BEGLAZINGSTABEL " SG BUITENDR. ELEM. " 15M.F.172-173
BEGLAZINGSTABEL GLASLAT BUITENDR. ELEM. 15M.F.174-175
BEGLAZINGSTABEL SGS BUITENDR. ELEM. 15M.F.176-177
BEGLAZINGSTABEL-SG 15M.F.178-179
BEGLAZINGSTABEL 15M.F.180-183
BEGLAZINGSTABEL-HL 15M.F.184-185
BEGLAZINGSTABEL 15M.F.186-188
BEGLAZINGSTABEL-HL 15M.F.189-191
BEGLAZINGSTABEL-VL 15M.F.192-193
BEGLAZINGSTABEL VERBORGEN VLEUGEL SSG 15M.F.194-195
BEGLAZINGSTABEL VERBORGEN VLEUGEL SSG - SC 15M.F.196-197
DAKRAAM: BEGLAZINGSTABEL GB 15M.F.198-199
DAKRAAM: BEGLAZINGSTABEL GB HI 15M.F.200-201
DAKRAAM: BEGLAZINGSTABEL SGS, SGS/GB 15M.F.202-203
DAKRAAM: BEGLAZINGSTABEL SGS HI, SGS/GB HI 15M.F.204-205
BEGLAZINGSTABEL-SC " MASTERLINE DEURAANSLUITINC 15M.F.206-213
BEGLAZINGSTABEL VLAK DAKRAAM-HI 15M.F.214

Toebehoren

OVERZICHT ACCESSOIRES 15M.G.001-008
PERSHOEK 15M.G.009-010
HOEKVERBINDING 15M.G.011
PERSHOEKEN EN SCHROEFHOEKEN 15M.G.012
HOEKEN 15M.G.013
SCHROEFHOEK/NAGELHOEK 15M.G.014-015
AANSLAGDICHTING 15M.G.016-018
DICHTING 15M.G.019
AANSLAGDICHTING 15M.G.020
DICHTINGEN 15M.G.021
BEGLAZINGSDICHTING 15M.G.022-027
DICHTING 15M.G.028-030
GLASSTEUN 15M.G.031-032
BUITENDRAAIEND ELEM UITVALBEVEILIGING SG 15M.G.033
GLASSTEUN 15M.G.034-035
BUITENDRAAIEND ELEM UITVALBEVEILIGING SGS 15M.G.036
GLASSTEUN 15M.G.037
GLASSTEUNEN 15M.G.038-041
INSTEEKSLOT 15M.G.042
ALGEMENE TOEBEHOREN RAMEN 15M.G.043-048
BASISSET BUITENDRAAIEND STANDAARD 15M.G.049
BASSISET BUITENDRAAIEND INTERLOCK 15M.G.050
INSTEEKSLOT/HOEKOVERBRENGING/SLUITSTUK 15M.G.051
ALGEMENE TOEBEHOREN 15M.G.052
ALGEMENE TOEBEHOREN RAMEN 15M.G.053
SLUITSTUK 15M.G.054
SCHAREN THW 15M.G.055-062
BEGRENZINGSSCHAAR 15M.G.063
RAAMBEGRENZER BEVEILIGD 15M.G.064
RAAMBEGRENZER 15M.G.065
SCHAREN POW 15M.G.066
SCHARNIER 15M.G.067
OPLOOPBLOK KUNSTSTOF 15M.G.068
DIVERSEN 15M.G.069-070
DAKRAAM 15M.G.071
DIVERSEN 15M.G.072
BEVESTIGINGSMIDDELEN 15M.G.073-092
DIVERSEN 15M.G.093-097
BOORMAL KOPPELING KADERS 15M.G.098
BOORMAL 15M.G.099-100
PONSUNIT KRUK 15M.G.101
DIVERSEN 15M.G.102
KLEMBLOK 15M.G.103-104
KLEMBLOKKEN 15M.G.105
PERSBLOK VOOR 095.H800.00 15M.G.106-107
PERSBLOK VOOR 095.B500.00 15M.G.108
PERSBLOK 15M.G.109
MESSEN 15M.G.110
MESSEN VOOR 095.B500.00 15M.G.111
MESSEN 15M.G.112
SNIJMAL 15M.G.113
SCHAREN THW 15M.G.114

Sommaire

TABLE DES MATIERES 15M.001-008

Généralités

LISTE DES SYMBOLES 15M.A.001-008

Généralités séries

PRESCRIPTIONS DE MISE EN OEUVRE 15M.B.001-056

Profilés

APERCU DES PROFILES 15M.C.001-006
ELEM.OUVERTURE VERS L'EXT. - SG 15M.C.007-008
ELEM.OUVERTURE VERS L'EXT. - SG PROFIL DE BORD 15M.C.009
ELEM.OUVERTURE VERS L'EXT. - GB CADRE 15M.C.010
ELEM.OUVERTURE VERS L'EXT. - GB OUVRANT 15M.C.011
ELEM.OUVERTURE VERS L'EXT. - SGS 15M.C.012
FENETRE OUVRANT A L'ITALIENNE FV SG 15M.C.013
ELEM.OUVERTURE VERS L'EXT. - CW 50-SG - CW 60-SG 15M.C.014
PROFILE DE FINITION FENETRE MOTORISEE 15M.C.015
ELEM.OUVERTURE VERS L'INT. HV SG 15M.C.016-017
DORMANT TABATIERE 15M.C.018
OUVRANT TABATIERE 15M.C.019
DORMANT TABATIERE HI 15M.C.020
OUVRANT TABATIERE HI 15M.C.021
PARCLOSES TABATIERE 15M.C.022
SUPPORTS CALE DE VITRAGE TABATIERE 15M.C.023
REDUCTEUR DE FEUILLURE 15M.C.024-025
PROFILE DE RACCORDEMENT SC 15M.C.026
JONCTION AVEC D'AUTRES SYSTEMES 15M.C.027-036

Sections des noeuds

APERCU 15M.D.001
ELEM.OUVERTURE VERS L'EXT. - SG 15M.D.002
ELEM.OUVERTURE VERS L'EXT. - SG HI 15M.D.003
ELEM.OUVERTURE VERS L'EXT. - GB 15M.D.004
ELEM.OUVERTURE VERS L'EXT. - GB HI 15M.D.005-006
ELEM.OUVERTURE VERS L'EXT. - SG - SC 15M.D.007
ELEM.OUVERTURE VERS L'EXT. - SG HI - SC 15M.D.008
ELEM.OUVERTURE VERS L'EXT. - SG - HL 15M.D.009
ELEM.OUVERTURE VERS L'EXT. - SG HI - HL 15M.D.010
ELEM.OUVERTURE VERS L'EXT. - SG - VL 15M.D.011
ELEM.OUVERTURE VERS L'EXT. - SG HI - VL 15M.D.012
ELEM.OUVERTURE VERS L'EXT. - SGS - SC 15M.D.013
ELEM.OUVERTURE VERS L'EXT. - SGS HI - SC 15M.D.014
ELEM.OUVERTURE VERS L'EXT. - CW 50-SG - CW 60-SG 15M.D.015
FENETRE OUVRANT A L'ITALIENNE FV SG 15M.D.016
FENETRE OUVRANT A L'ITALIENNE FV SG - HL 15M.D.017
FENETRE OUVRANT A L'ITALIENNE FV SG - VL 15M.D.018
FENETRE OUVRANT A L'ITALIENNE FV SG - CW 50-TT 15M.D.019
FENETRE OUVRANT A L'ITALIENNE FV SG - CW 50-TT/HL 15M.D.020
FENETRE OUVRANT A L'ITALIENNE FV SG-TT/VL 15M.D.021
SSG ELEM.OUVERTURE VERS L'INT. HV 15M.D.022-023
SSG ELEM.OUVERTURE VERS L'INT. HV - SC 15M.D.024-025
TABATIERE GB 15M.D.026
TABATIERE GB HI 15M.D.027
TABATIERE SGS/GB 15M.D.028
TABATIERE SGS/GB HI 15M.D.029
TABATIERE SGS 15M.D.030
TABATIERE SGS HI 15M.D.031
ECLISSE DE PORTE -SC 15M.D.032
ECLISSE DE PORTE -SG 15M.D.033
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-GB 15M.D.034-035
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-GB/HI 15M.D.036-037
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-SG 15M.D.038-039
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-SG/HI 15M.D.040-041
ELEM.OUVERTURE VERS L'EXT. - EF 7-GB 15M.D.042-045
ELEM.OUVERTURE VERS L'EXT. - SGS - EF 7-SG 15M.D.046-047
ELEM.OUVERTURE VERS L'EXT. - SGS - EF 7-SG/HI 15M.D.048-050

Coupes et débits

ELEM.OUVERTURE VERS L'EXT. THW SG 15M.E.001-003
ELEM.OUVERTURE VERS L'EXT. THW SG HI 15M.E.004-005
ELEM.OUVERTURE VERS L'EXT. THW GB 15M.E.006-007
ELEM.OUVERTURE VERS L'EXT. THW GB HI 15M.E.008-009
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-SC 15M.E.010-011
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-SC/HI 15M.E.012-013
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-HL 15M.E.014-015
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-HL/HI 15M.E.016-017
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-VL 15M.E.018-019
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-VL/HI 15M.E.020-021
ELEM.OUVERTURE VERS L'EXT. THW SGS - CW50-SC 15M.E.022-023
ELEM.OUVERTURE VERS L'EXT. THW SGS - CW50-SC/HI 15M.E.024-025
ELEM.OUVERTURE VERS L'EXT. THW - CW50-SG - CW 60- 15M.E.026-027
FENETRE OUVRANT A L'ITALIENNE FV SG 15M.E.028-029
FENETRE OUVRANT A L'ITALIENNE FV SG - HL 15M.E.030-031
FENETRE OUVRANT A L'ITALIENNE FV SG - VL 15M.E.032-033
FENETRE OUVRANT A L'ITALIENNE FV SG - CW 50-TT 15M.E.034-035
FENETRE OUVRANT A L'ITALIENNE FV SG - CW50-TT/HL 15M.E.036-037
FENETRE OUVRANT A L'ITALIENNE FV SG-TT/VL 15M.E.038-039
ELEM.OUVERTURE VERS L'EXT. POW SG 15M.E.040-041
ELEM.OUVERTURE VERS L'EXT. POW GB 15M.E.042-043
ELEM.OUVERTURE VERS L'EXT. POW SG - CW50-SC 15M.E.044-045
ELEM.OUVERTURE VERS L'EXT. POW SGS - CW50-SC 15M.E.046-047
ELEM.OUVERTURE VERS L'EXT. POW SGS - CW50-SC/HI 15M.E.048-049
ELEM.OUVERTURE VERS L'INT. HV SG 15M.E.050-051
ELEM.OUVERTURE VERS L'INT. HV SG - SC 15M.E.052-053
TABATIERE GB 15M.E.054-055
TABATIERE: CREMONE 15M.E.056-057
TABATIERE: VIS SANS FIN 15M.E.058-059
TABATIERE: MOTEUR 15M.E.060-061
TABATIERE GB HI 15M.E.062-063
TABATIERE: CREMONE HI 15M.E.064-065
TABATIERE: VIS SANS FIN HI 15M.E.066-067
TABATIERE: MOTEUR HI 15M.E.068-069
TABATIERE SGS/GB 15M.E.070-073
TABATIERE SGS/GB HI 15M.E.074-077
TABATIERE SGS 15M.E.078-081
TABATIERE SGS HI 15M.E.082-085
FACADE VARIANTES-SC " MASTERLINE RACCORDEMENT 15M.E.086-087
ELEM.OUVERTURE VERS L'EXT. THW SG - EF 7-GB 15M.E.088-089
ELEM.OUVERTURE VERS L'EXT. THW GB - EF 7-GB 15M.E.090-091
ELEM.OUVERTURE VERS L'EXT. THW SG - EF 7-SG 15M.E.092-093
ELEM.OUVERTURE VERS L'EXT. THW SGS - EF 7-SG 15M.E.094-095
ELEM.OUVERTURE VERS L'EXT. POW SG - EF 7-GB 15M.E.096-097
ELEM.OUVERTURE VERS L'EXT. POW GB - EF 7-GB 15M.E.098-099
ELEM.OUVERTURE VERS L'EXT. POW SG - EF 7-SG 15M.E.100-101
ELEM.OUVERTURE VERS L'EXT. POW SGS - EF 7-SG 15M.E.102-103
ELEM.OUVERTURE VERS L'EXT. POW SG - EF7 SG 15M.E.104

Fabrication et montage

OUTILLAGE ET MACHINES APERCU 15M.F.001-003
BLOCS DE SERRAGE CNC MACHINES 15M.F.004-005
PRESSE CADRE 134.0135.XX 15M.F.006
PRESSE OUVRANT 134.0130.XX 15M.F.007
PRESSE CADRE 134.0125.XX 15M.F.008
PRESSE OUVRANT 134.2130, 2135, 2140.XX 15M.F.009
PRESSE CADRE 134.0145.XX 15M.F.010
PRESSE OUVRANT 134.0140.XX 15M.F.011
COLLAGE PROFILE DE REMPLISSAGE 180,932X,04 15M.F.012
COLLAGE PROFILE DE REMPLISSAGE 134.018X.04 15M.F.013
ELEM.OUVERTURE VERS L'EXT. FIXATION CW 15M.F.014-015
ELEM.OUVERTURE VERS L'EXT. FIXATION EF 7 15M.F.016-017
ELEM.OUVERTURE VERS L'EXT. DRAINAGE SG 15M.F.018-019
SUPPORT CALE DE VITRAGE, POIDS MAX. DU VITRAGE 12(15M.F.020
SUPPORT CALE DE VITRAGE, POIDS MAX. DU VITRAGE 16[15M.F.021
ELEM.OUVERTURE VERS L'EXT. SECURITE ANTI-CHUTE SG 15M.F.022-023
ELEM.OUVERTURE VERS L'EXT. DRAINAGE GB 15M.F.024-025
SUPPORT CALE DE VITRAGE 15M.F.026
SECURITE PARCLOSE 15M.F.027
ELEM.OUVERTURE VERS L'EXT. DRAINAGE SGS 15M.F.028-029
ELEM.OUVERTURE VERS L'EXT. SUPPORT CALE DE VITRAGI 15M.F.030
ELEM.OUVERTURE VERS L'EXT. SECURITE ANTI-CHUTE SGS 15M.F.031
ELEM.OUVERTURE VERS L'EXT. POIGNEE 15M.F.032-033
ELEM.OUVERTURE VERS L'EXT. ERRETI POIGNEE 15M.F.034-035
ELEM.OUVERTURE VERS L'EXT. RENVOI D'ANGLE/POINTS D 15M.F.036-037
DIMENSIONS MIN/MAX THW CALDWELL 15M.F.038-039
OPERATIONS THW CALDWELL 15M.F.040-041
DIMENSIONS MIN/MAX THW SECURISTYLE 15M.F.042-043
OPERATIONS THW SECURISTYLE 15M.F.044-047
POINTS DE FERMETURE THW 15M.F.048-049
DIMENSIONS DES TRINGLES DE REGLAGE THW BOITIER C 15M.F.050
DIMENSIONS DES TRINGLES DE REGLAGE THW ERRETI CI 15M.F.051
VEROUILLAGE HAUT THW CALDWELL 15M.F.052
VEROUILLAGE HAUT THW SECURISTYLE 15M.F.053
LIMITATEUR D'OUVERTURE 15M.F.054-059
POW MANUEL 15M.F.060-061
DIMENSIONS MIN/MAX POW MANUEL 15M.F.062-063
OPERATIONS POW 15M.F.064-065
POINTS DE FERMETURE POW 15M.F.066-067
DIMENSIONS TRINGLES POW 15M.F.068-069
DIMENSIONS DES TRINGLES DE REGLAGE POW ERRETI C 15M.F.070-071
POW ASSEMBLAGE POIGNEE 15M.F.072-073
POW ASSEMBLAGE ERRETI CREMONE 15M.F.074-075
COMPOSITION VANTAIL FENETRE OUVRANT A L'ITALIENN 15M.F.076-077
MONTAGE VANTAIL 15M.F.078
ASSEMBLAGE DORMANT 15M.F.079
DORMANT 15M.F.080-081
DECOUPER ET ETANCHER LES JOINTS THW FV SG 15M.F.082
DECOUPER ET ETANCHER LES JOINTS THW FV SG - HL 15M.F.083
DECOUPER ET ETANCHER LES JOINTS THW FV SG -TT VL 15M.F.084-085
DECOUPER ET ETANCHER LES JOINTS THW FV SG -TT 15M.F.086
DECOUPER ET ETANCHER LES JOINTS THW FV SG -TT HL 15M.F.087
THW COMPAS - 034.0140.XX & 034.0141.XX 15M.F.088-091
ACCESSOIRES OUVRANT A SOUFFLET 15M.F.092-093
COMPAS REGLAGE 15M.F.094
ASSEMBLAGE COMPAS 15M.F.095
ACCESSOIRES OUVRANT A SOUFFLET 15M.F.096-101
PRESSE CADRE 034.0162.XX 15M.F.102
PRESSE OUVRANT 034.0163.XX 15M.F.103
ASSEMBLAGE OUVRANT THW - CW 50-SG - CW 60-SG 15M.F.104-105
COMPAS THW - CW 50-SG - CW 60-SG 15M.F.106-109
THW MANUEL - SG 15M.F.110-113
LIMITEUR D'OUVERTURE THW - CW 50-SG - CW 60-SG 15M.F.114
OPERATIONS FENETRE - CW 50-SG - CW 60-SG 15M.F.115-116
PROTECTION MECANIQUE - CW 50-SG - CW 60-SG 15M.F.117
OUVRANT CACHE 15M.F.118-121
OUVRANT CACHE SSG 15M.F.122-129
OUVRANT CACHE SSG - SC 15M.F.130-133
TABATIERE: OUTILLAGE ET MACHINES APERCU 15M.F.134
TABATIERE: APERCU CONFIGURATIONS LV 15M.F.135
TABATIERE: BLOCS DE SERRAGE CNC MACHINES 15M.F.136-137
TABATIERE: EQUERRES A VISSER DORMANT 15M.F.138
TABATIERE: EQUERRE A VISSER OUVRANT 15M.F.139
TABATIERE: EQUERRES A VISSER PARCLOSE 15M.F.140
TABATIERE: EQUERRES A VISSER PARCLOSE SGS/GB 15M.F.141
TABATIERE: ASSEMBLAGE GB 15M.F.142
TABATIERE: ASSEMBLAGE SGS/GB 15M.F.143
TABATIERE: ASSEMBLAGE SGS 15M.F.144
TABATIERE: ASSEMBLAGE CHARNIER 15M.F.145-146
TABATIERE: ASSEMBLAGE CHARNIER HI 15M.F.147
TABATIERE: DRAINAGE 15M.F.148-149
TABATIERE: CREMONE 15M.F.150
TABATIERE: VIS SANS FIN 15M.F.151
TABATIERE: EXEMPLE DE MONTAGE MOTEUR DE CHAINE 15M.F.152-153
TABATIERE: EXEMPLE DE MONTAGE MOTEUR A CREMAILL 15M.F.154-155
TABATIERE: EXEMPLE DE MONTAGE MOTEUR DEFERMETU 15M.F.156-157
TABATIERE: POINTS DE VERROUILLAGE 15M.F.158-161
TABATIERE: 071.6551.– 15M.F.162-163
TABATIERE: ANGLE D'OUVERTURE MAXIMALE 15M.F.164-165
TABATIERE: DIMENSIONS MAX. 15M.F.166-168
TABATIERE: MIN.DIMENSION 15M.F.169

FACADE VARIANTES-SC " MASTERLINE RACCORDEMENT	15M.F.170-171
TABLEAU DE VITRAGE " SG ELEM.OUVERTURE VERS L'EXT.	15M.F.172-173
TABLEAU DE VITRAGE PARCLOSE ELEM.OUVERTURE VER	15M.F.174-175
TABLEAU DE VITRAGE SGS ELEM.OUVERTURE VERS L'EXT.	15M.F.176-177
TABLEAU DE VITRAGE-SG	15M.F.178-179
TABLEAU DE VITRAGE	15M.F.180-183
TABLEAU DE VITRAGE-HL	15M.F.184-185
TABLEAU DE VITRAGE	15M.F.186-188
TABLEAU DE VITRAGE-HL	15M.F.189-191
TABLEAU DE VITRAGE-VL	15M.F.192-193
TABLEAU DE VITRAGE OUVRANT CACHE SSG	15M.F.194-195
TABLEAU DE VITRAGE OUVRANT CACHE SSG - SC	15M.F.196-197
TABATIERE: TABLEAU DE VITRAGE GB	15M.F.198-199
TABATIERE: TABLEAU DE VITRAGE GB HI	15M.F.200-201
TABATIERE: TABLEAU DE VITRAGE SGS, SGS/GB	15M.F.202-203
TABATIERE: TABLEAU DE VITRAGE SGS HI, SGS/GB HI	15M.F.204-205
TABLEAU DE VITRAGE-SC " MASTERLINE RACCORDEMEI	15M.F.206-213
TABLEAU DE VITRAGE TABATIERE PLAT-HI	15M.F.214

Accessoires

APERCU ACCESSOIRES	15M.G.001-008
EQUERRE A SERTIR	15M.G.009-010
EQUERRE	15M.G.011
EQUERRES A SERTIR ET EQUERRES A VISSER	15M.G.012
EQUERRES	15M.G.013
EQUERRE A VISSER/EQUERRE AVEC CHEVILLE	15M.G.014-015
JOINT DE BUTEE	15M.G.016-018
JOINT	15M.G.019
JOINT DE BUTEE	15M.G.020
JOINTS	15M.G.021
JOINT DE VITRAGE	15M.G.022-027
JOINT	15M.G.028-030
SUPPORT CALE DE VITRAGE	15M.G.031-032
ELEM.OUVERTURE VERS L'EXT. SECURITE ANTI-CHUTE SG	15M.G.033
SUPPORT CALE DE VITRAGE	15M.G.034-035
ELEM.OUVERTURE VERS L'EXT. SECURITE ANTI-CHUTE SG	15M.G.036
SUPPORT CALE DE VITRAGE	15M.G.037
SUPPORTS CALE DE VITRAGE	15M.G.038-041
CREMONE SERRURE	15M.G.042
ACCESSOIRES GENEREAUX FENETRES	15M.G.043-048
KIT DE VERROUILLAGE OUVRANT EXTERIEUR	15M.G.049
KIT DE VERROUILLAGE OUVR. EXT. FERM. INTERM.	15M.G.050
BOITIER CARRE/RENVOI D'ANGLE/GACHE POINT DE FERI	15M.G.051
ACCESSOIRES GENERAUX	15M.G.052
ACCESSOIRES GENEREAUX FENETRES	15M.G.053
GACHE	15M.G.054
THW COMPAS	15M.G.055-062
LIMITATEUR D'OUVERTURE	15M.G.063
LIMITEUR D'OUVERTURE VERROUILLABLE	15M.G.064
LIMITEUR D'OUVERTURE	15M.G.065
POW COMPAS	15M.G.066
PENTURE	15M.G.067
PATIN MATIERE SYNTHETIQUE	15M.G.068
DIVERS	15M.G.069-070
TABATIERE	15M.G.071
DIVERS	15M.G.072
MOYENS DE FIXATION	15M.G.073-092
DIVERS	15M.G.093-097
CALIBRE DE PERÇAGE SPIGOT DES CADRES	15M.G.098
CALIBRE DE PERÇAGE	15M.G.099-100
UNTE D'ETAMPER POIGNEE	15M.G.101
DIVERS	15M.G.102
BLOC DE SERRAGE	15M.G.103-104
BLOCS DE SERRAGE	15M.G.105
ENCLUME POUR 095.H800.00	15M.G.106-107
ENCLUME POUR 095.B500.00	15M.G.108
ENCLUME	15M.G.109
COUTEAUX	15M.G.110
COUTEAUX POUR 095.B500.00	15M.G.111
COUTEAUX	15M.G.112
GABARIT A COUPER	15M.G.113
THW COMPAS	15M.G.114

Content

TABLE OF CONTENTS 15M.001-008

General Information

LIST OF SYMBOLS 15M.A.001-008

General Information System

PROCESSING DATA 15M.B.001-056

Profiles

PROFILE OVERVIEW 15M.C.001-006
OUTWARD OPENING WINDOW - SG 15M.C.007-008
OUTWARD OPENING WINDOW - SG EDGE PROFILE 15M.C.009
OUTWARD OPENING WINDOW - GB FRAME 15M.C.010
OUTWARD OPENING WINDOW - GB VENT 15M.C.011
OUTWARD OPENING WINDOW - SGS 15M.C.012
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG 15M.C.013
OUTWARD OPENING WINDOW - CW 50-SG - CW 60-SG 15M.C.014
FINISHING PROFILE MOTORIZED WINDOW 15M.C.015
INWARD OPENING WINDOW HV SG 15M.C.016-017
OUTER FRAME ATTIC WINDOW 15M.C.018
VENT ATTIC WINDOW 15M.C.019
OUTER FRAME ATTIC WINDOW HI 15M.C.020
VENT ATTIC WINDOW HI 15M.C.021
GLAZING BEADS ATTIC WINDOW 15M.C.022
GLASS SUPPORTS ATTIC WINDOW 15M.C.023
FILLISTER REDUCER 15M.C.024-025
ADDITIONAL PROFILE SC 15M.C.026
CONNECTION WITH OTHER SYSTEMS 15M.C.027-036

Section drawings

OVERVIEW 15M.D.001
OUTWARD OPENING WINDOW - SG 15M.D.002
OUTWARD OPENING WINDOW - SG HI 15M.D.003
OUTWARD OPENING WINDOW - GB 15M.D.004
OUTWARD OPENING WINDOW - GB HI 15M.D.005-006
OUTWARD OPENING WINDOW - SG - SC 15M.D.007
OUTWARD OPENING WINDOW - SG HI - SC 15M.D.008
OUTWARD OPENING WINDOW - SG - HL 15M.D.009
OUTWARD OPENING WINDOW - SG HI - HL 15M.D.010
OUTWARD OPENING WINDOW - SG - VL 15M.D.011
OUTWARD OPENING WINDOW - SG HI- VL 15M.D.012
OUTWARD OPENING WINDOW - SGS - SC 15M.D.013
OUTWARD OPENING WINDOW - SGS HI - SC 15M.D.014
OUTWARD OPENING WINDOW - CW 50-SG - CW 60-SG 15M.D.015
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG 15M.D.016
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - HL 15M.D.017
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - VL 15M.D.018
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW 15M.D.019
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW 15M.D.020
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - TT/\ 15M.D.021
SSG INWARD OPENING WINDOW HV 15M.D.022-023
SSG INWARD OPENING WINDOW HV - SC 15M.D.024-025
ATTIC WINDOW GB 15M.D.026
ATTIC WINDOW GB HI 15M.D.027
ATTIC WINDOW SGS/GB 15M.D.028
ATTIC WINDOW SGS/GB HI 15M.D.029
ATTIC WINDOW SGS 15M.D.030
ATTIC WINDOW SGS HI 15M.D.031
CONNECTION DOOR -SC 15M.D.032
CONNECTION DOOR -SG 15M.D.033
OUTWARD OPENING WINDOW - SG - EF 7-GB 15M.D.034-035
OUTWARD OPENING WINDOW - SG - EF 7-GB/HI 15M.D.036-037
OUTWARD OPENING WINDOW - SG - EF 7-SG 15M.D.038-039
OUTWARD OPENING WINDOW - SG - EF 7-SG/HI 15M.D.040-041
OUTWARD OPENING WINDOW - EF 7-GB 15M.D.042-045
OUTWARD OPENING WINDOW - SGS - EF 7-SG 15M.D.046-047
OUTWARD OPENING WINDOW - SGS - EF 7-SG/HI 15M.D.048-050

Work drawings

OUTWARD OPENING WINDOW THW SG 15M.E.001-003
OUTWARD OPENING WINDOW THW SG HI 15M.E.004-005
OUTWARD OPENING WINDOW THW GB 15M.E.006-007
OUTWARD OPENING WINDOW THW GB HI 15M.E.008-009
OUTWARD OPENING WINDOW THW SG - CW50-SC 15M.E.010-011
OUTWARD OPENING WINDOW THW SG - CW50-SC/HI 15M.E.012-013
OUTWARD OPENING WINDOW THW SG - CW50-HL 15M.E.014-015
OUTWARD OPENING WINDOW THW SG - CW50-HL/HI 15M.E.016-017
OUTWARD OPENING WINDOW THW SG - CW50-VL 15M.E.018-019
OUTWARD OPENING WINDOW THW SG - CW50-VL/HI 15M.E.020-021
OUTWARD OPENING WINDOW THW SGS - CW50-SC 15M.E.022-023
OUTWARD OPENING WINDOW THW SGS - CW50-SC/HI 15M.E.024-025
OUTWARD OPENING WINDOW THW - CW50-SG - CW 6(15M.E.026-027
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG 15M.E.028-029
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - HL 15M.E.030-031
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - VL 15M.E.032-033
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW 15M.E.034-035
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW! 15M.E.036-037
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - TT/\ 15M.E.038-039
OUTWARD OPENING WINDOW POW SG 15M.E.040-041
OUTWARD OPENING WINDOW POW GB 15M.E.042-043
OUTWARD OPENING WINDOW POW SG - CW50-SC 15M.E.044-045
OUTWARD OPENING WINDOW POW SGS - CW50-SC 15M.E.046-047
OUTWARD OPENING WINDOW POW SGS - CW50-SC/HI 15M.E.048-049
INWARD OPENING WINDOW HV SG 15M.E.050-051
INWARD OPENING WINDOW HV SG - SC 15M.E.052-053
ATTIC WINDOW GB 15M.E.054-055
ATTIC WINDOW: HANDLE 15M.E.056-057
ATTIC WINDOW: SPINDLE 15M.E.058-059
ATTIC WINDOW: MOTOR 15M.E.060-061
ATTIC WINDOW GB HI 15M.E.062-063
ATTIC WINDOW: HANDLE HI 15M.E.064-065
ATTIC WINDOW: SPINDLE HI 15M.E.066-067
ATTIC WINDOW: MOTOR HI 15M.E.068-069
ATTIC WINDOW SGS/GB 15M.E.070-073
ATTIC WINDOW SGS/GB HI 15M.E.074-077
ATTIC WINDOW SGS 15M.E.078-081
ATTIC WINDOW SGS HI 15M.E.082-085
FACADE VARIANTS-SC " MASTERLINE DOOR CONNECTIO 15M.E.086-087
OUTWARD OPENING WINDOW THW SG - EF 7-GB 15M.E.088-089
OUTWARD OPENING WINDOW THW GB - EF 7-GB 15M.E.090-091
OUTWARD OPENING WINDOW THW SG - EF 7-SG 15M.E.092-093
OUTWARD OPENING WINDOW THW SGS - EF 7-SG 15M.E.094-095
OUTWARD OPENING WINDOW POW SG - EF 7-GB 15M.E.096-097
OUTWARD OPENING WINDOW POW GB - EF 7-GB 15M.E.098-099
OUTWARD OPENING WINDOW POW SG - EF 7-SG 15M.E.100-101
OUTWARD OPENING WINDOW POW SGS - EF 7-SG 15M.E.102-103
OUTWARD OPENING WINDOW POW SG - EF7 SG 15M.E.104

Assembly drawings

TOOLS AND MACHINERY OVERVIEW 15M.F.001-003
CLAMP BLOCKS CNC MACHINERY 15M.F.004-005
CRIMPING FRAME 134.01352.XX 15M.F.006
CRIMPING VENT 134.0130.XX 15M.F.007
CRIMPING FRAME 134.0125.XX 15M.F.008
CRIMPING VENT 134.2130, 2135, 2140.XX 15M.F.009
CRIMPING FRAME 134.0145.XX 15M.F.010
CRIMPING VENT 134.0140.XX 15M.F.011
GLUING FILLING PROFILE 180,932X,04 15M.F.012
GLUING FILLING PROFILE 134.018X.04 15M.F.013
OUTWARD OPENING WINDOW CW FIXATION 15M.F.014-015
OUTWARD OPENING WINDOW EF 7 FIXATION 15M.F.016-017
OUTWARD OPENING WINDOW DRAINAGE SG 15M.F.018-019
GLASS SUPPORT, MAX GLASS WEIGHT 120KG. 15M.F.020
GLASS SUPPORT, MAX GLASS WEIGHT 165KG. 15M.F.021
OUTWARD OPENING WINDOW SECURITY AGAINST FALLII 15M.F.022-023
OUTWARD OPENING WINDOW DRAINAGE GB 15M.F.024-025
GLASS SUPPORT 15M.F.026
SECURITY DEVICE GLAZING BEAD 15M.F.027
OUTWARD OPENING WINDOW DRAINAGE SGS 15M.F.028-029
OUTWARD OPENING WINDOW GLASS SUPPORT SGS 15M.F.030
OUTWARD OPENING WINDOW SECURITY AGAINST FALLII 15M.F.031
OUTWARD OPENING WINDOW HANDLE 15M.F.032-033
OUTWARD OPENING WINDOW ERRETI HANDLE 15M.F.034-035
OUTWARD OPENING WINDOW CORNER REVERSING PART 15M.F.036-037
MIN/MAX SIZES THW CALDWELL 15M.F.038-039
OPERATIONS THW CALDWELL 15M.F.040-041
MIN/MAX SIZES THW SECURISTYLE 15M.F.042-043
OPERATIONS THW SECURISTYLE 15M.F.044-047
LOCKING POINTS THW 15M.F.048-049
DIMENSIONS LOCKING RODS THW INTERNAL LOCKING S 15M.F.050
DIMENSIONS LOCKING RODS THW ERRETI HANDLE 15M.F.051
TOP LOCKING POINT THW CALDWELL 15M.F.052
TOP LOCKING POINT THW SECURISTYLE 15M.F.053
RESTRICTOR 15M.F.054-059
MANUAL POW 15M.F.060-061
MIN/MAX SIZES MANUAL POW 15M.F.062-063
OPERATIONS POW 15M.F.064-065
LOCKING POINTS POW 15M.F.066-067
DIMENSIONS LOCKING RODS POW 15M.F.068-069
DIMENSIONS LOCKING RODS POW ERRETI HANDLE 15M.F.070-071
POW ASSEMBLY HANDLE 15M.F.072-073
POW ASSEMBLY ERRETI HANDLE 15M.F.074-075
COMPOSITION VENT TOP-HUNG WINDOW WITH FRICTIO 15M.F.076-077
ASSEMBLY VENT 15M.F.078
ASSEMBLY OUTER FRAME 15M.F.079
OUTER FRAME 15M.F.080-081
CUTTING AND SEALING GASKETS THW FV SG 15M.F.082
CUTTING AND SEALING GASKETS THW FV SG - HL 15M.F.083
CUTTING AND SEALING GASKETS THW FV SG -TT VL 15M.F.084-085
CUTTING AND SEALING GASKETS THW FV SG -TT 15M.F.086
CUTTING AND SEALING GASKETS THW FV SG -TT HL 15M.F.087
FRICTION STAYS THW - 034.0140.XX & 034.0141.XX 15M.F.088-091
ACCESSORIES TOP-HUNG WINDOW 15M.F.092-093
FRICTION STAYS ADJUSTMENT 15M.F.094
ASSEMBLY FRICTION STAYS 15M.F.095
ACCESSORIES TOP-HUNG WINDOW 15M.F.096-101
PRESSING FRAME 034.0162.XX 15M.F.102
PRESSING VENT 034.0163.XX 15M.F.103
ASSEMBLY VENT THW - CW 50-SG - CW 60-SG 15M.F.104-105
FRICTION STAYS THW - CW 50-SG - CW 60-SG 15M.F.106-109
MANUAL THW - SG 15M.F.110-113
RESTRICTOR THW - CW 50-SG - CW 60-SG 15M.F.114
OPERATIONS WINDOW - CW 50-SG - CW 60-SG 15M.F.115-116
MECHANICAL SAFETY - CW 50-SG - CW 60-SG 15M.F.117
HIDDEN VENT 15M.F.118-121
HIDDEN VENT SSG 15M.F.122-129
HIDDEN VENT SSG - SC 15M.F.130-133
ATTIC WINDOW: TOOLS AND MACHINERY OVERVIEW 15M.F.134
ATTIC WINDOW: OVERVIEW CONFIGURATIONS LV 15M.F.135
ATTIC WINDOW: CLAMP BLOCKS CNC MACHINERY 15M.F.136-137
ATTIC WINDOW: SCREW CORNER CLEAT OUTER FRAME 15M.F.138
ATTIC WINDOW: SCREW CORNER CLEAT VENT 15M.F.139
ATTIC WINDOW: SCREW CORNER CLEAT GLAZING BEAD 15M.F.140
ATTIC WINDOW: SCREW CORNER CLEAT GLAZING BEAD 15M.F.141
ATTIC WINDOW: ASSEMBLY GB 15M.F.142
ATTIC WINDOW: ASSEMBLY SGS/GB 15M.F.143
ATTIC WINDOW: ASSEMBLY SGS 15M.F.144
ATTIC WINDOW: ASSEMBLY HINGE 15M.F.145-146
ATTIC WINDOW: ASSEMBLY HINGE HI 15M.F.147
ATTIC WINDOW: DRAINAGE 15M.F.148-149
ATTIC WINDOW: HANDLE 15M.F.150
ATTIC WINDOW: SPINDLE 15M.F.151
ATTIC WINDOW: ASSEMBLY EXAMPLE CHAIN MOTOR 15M.F.152-153
ATTIC WINDOW: ASSEMBLY EXAMPLE RACK AND PINION 15M.F.154-155
ATTIC WINDOW: ASSEMBLY EXAMPLE CLOSING POINT M 15M.F.156-157
ATTIC WINDOW: LOCKING POINTS 15M.F.158-161
ATTIC WINDOW: 071.6551.– 15M.F.162-163
ATTIC WINDOW: MAXIMUM OPENING ANGLE 15M.F.164-165
ATTIC WINDOW: MAX. SIZES 15M.F.166-168
ATTIC WINDOW: MIN.SIZE 15M.F.169

FACADE VARIANTS-SC " MASTERLINE DOOR CONNECTIC 15M.F.170-171
GLAZING TABLE " SG OUTWARD OPEN. WINDOW " 15M.F.172-173
GLAZING TABLE GLAZING BEAD OUTWARD OPEN. WIND 15M.F.174-175
GLAZING TABLE SGS OUTWARD OPEN. WINDOW 15M.F.176-177
GLAZING TABLE-SG 15M.F.178-179
GLAZING TABLE 15M.F.180-183
GLAZING TABLE-HL 15M.F.184-185
GLAZING TABLE 15M.F.186-188
GLAZING TABLE-HL 15M.F.189-191
GLAZING TABLE-VL 15M.F.192-193
GLAZING TABLE HIDDEN VENT SSG 15M.F.194-195
GLAZING TABLE HIDDEN VENT SSG - SC 15M.F.196-197
ATTIC WINDOW: GLAZING TABLE GB 15M.F.198-199
ATTIC WINDOW: GLAZING TABLE GB HI 15M.F.200-201
ATTIC WINDOW: GLAZING TABLE SGS, SGS/GB 15M.F.202-203
ATTIC WINDOW: GLAZING TABLE SGS HI, SGS/GB HI 15M.F.204-205
GLAZING TABLE-SC " MASTERLINE DOOR CONNECTION 15M.F.206-213
GLAZING TABLE FLUSH ROOF VENT-HI 15M.F.214

Accessories

OVERVIEW ACCESSORIES 15M.G.001-008
CRIMP CORNER CLEAT 15M.G.009-010
CORNER CLEAT 15M.G.011
CRIMP CORNER CLEATS AND SCREW CORNER CLEATS 15M.G.012
CORNER CLEATS 15M.G.013
SCREW CORN. CLEATS/ CORN. CLEAT W. DRIVE PIN 15M.G.014-015
BUTT STRIP 15M.G.016-018
GASKET 15M.G.019
BUTT STRIP 15M.G.020
GASKETS 15M.G.021
GLAZING GASKET 15M.G.022-027
GASKET 15M.G.028-030
GLASS SUPPORT 15M.G.031-032
OUTWARD OPENING WINDOW SECURITY AGAINST FALL 15M.G.033
GLASS SUPPORT 15M.G.034-035
OUTWARD OPENING WINDOW SECURITY AGAINST FALL 15M.G.036
GLASS SUPPORT 15M.G.037
GLASS SUPPORTS 15M.G.038-041
INTERNAL LOCKING SYSTEM 15M.G.042
GENERAL ACCESSORIES WINDOWS 15M.G.043-048
BASIC SET OUTWARD STANDARD 15M.G.049
BASIC SET OUTWARD INTERLOCK 15M.G.050
INTERN. LOCK. SYSTEM/CORNER REVERSING PART/LOCK 15M.G.051
GENERAL ACCESSORIES 15M.G.052
GENERAL ACCESSORIES WINDOWS 15M.G.053
LOCK PLATE 15M.G.054
FRICTION STAYS THW 15M.G.055-062
RESTRICTOR 15M.G.063
RESTRICTOR KEYED 15M.G.064
RESTRICTOR 15M.G.065
FRICTION STAYS POW 15M.G.066
HINGE 15M.G.067
SLOPED BLOCK SYNTHETIC 15M.G.068
MISCELLANEOUS 15M.G.069-070
ATTIC WINDOW 15M.G.071
MISCELLANEOUS 15M.G.072
FIXINGS 15M.G.073-092
MISCELLANEOUS 15M.G.093-097
BORING JIG FRAMES CONNECTION 15M.G.098
BORING JIG 15M.G.099-100
PUNCH UNIT HANDLE 15M.G.101
MISCELLANEOUS 15M.G.102
CLAMP BLOCK 15M.G.103-104
CLAMP BLOCKS 15M.G.105
PRESS BLOCK FOR 095.H800.00 15M.G.106-107
PRESS BLOCK FOR 095.B500.00 15M.G.108
PRESS BLOCK 15M.G.109
KNIVES 15M.G.110
KNIVES FOR 095.B500.00 15M.G.111
KNIVES 15M.G.112
CUTTING JIG 15M.G.113
FRICTION STAYS THW 15M.G.114

Inhalt

INHALTSANGABE 15M.001-008

Allgemeine Information

ZEICHENERKLAERUNG 15M.A.001-008

Allgemeine Information Syste

VERARBEITUNGSVORSCHRIFTEN 15M.B.001-056

Profile

PROFILUEBERSICHT 15M.C.001-006
AUSSEN OEFF. ELEM. - SG 15M.C.007-008
AUSSEN OEFF. ELEM. - SG KANTENPROFIL 15M.C.009
AUSSEN OEFF. ELEM. - GB RAHM 15M.C.010
AUSSEN OEFF. ELEM. - GB FLUEGEL 15M.C.011
AUSSEN OEFF. ELEM. - SGS 15M.C.012
SENKKLAPPFENSTER FV SG 15M.C.013
AUSSEN OEFF. ELEM. - CW 50-SG - CW 60-SG 15M.C.014
AUSFUEHRUNGSPROFIL MOTORISSIETERS fENSTER 15M.C.015
INNEN OEFF. ELEM. HV SG 15M.C.016-017
BLENDRAHMEN DACHFENSTER 15M.C.018
FLUEGEL DACHFENSTER 15M.C.019
BLENDRAHMEN DACHFENSTER HI 15M.C.020
FLUEGEL DACHFENSTER HI 15M.C.021
GLASLEISTEN DACHFENSTER 15M.C.022
KLOTZBRUECKEN DACHFENSTER 15M.C.023
FALZVERKLEINERUNGSPROFIL 15M.C.024-025
ZUSATZPROFIL SC 15M.C.026
VERBINDUNGEN MIT ANDEREN SYSTEMEN 15M.C.027-036

Profilkombinationen

UEBERSICHT 15M.D.001
AUSSEN OEFF. ELEM. - SG 15M.D.002
AUSSEN OEFF. ELEM. - SG HI 15M.D.003
AUSSEN OEFF. ELEM. - GB 15M.D.004
AUSSEN OEFF. ELEM. - GB HI 15M.D.005-006
AUSSEN OEFF. ELEM. - SG - SC 15M.D.007
AUSSEN OEFF. ELEM. - SG HI - SC 15M.D.008
AUSSEN OEFF. ELEM. - SG - HL 15M.D.009
AUSSEN OEFF. ELEM. - SG HI - HL 15M.D.010
AUSSEN OEFF. ELEM. - SG - VL 15M.D.011
AUSSEN OEFF. ELEM. - SG HI -VL 15M.D.012
AUSSEN OEFF. ELEM. - SGS - SC 15M.D.013
AUSSEN OEFF. ELEM. - SGS HI - SC 15M.D.014
AUSSEN OEFF. ELEM. - CW 50-SG - CW 60-SG 15M.D.015
SENKKLAPPFENSTER FV SG 15M.D.016
SENKKLAPPFENSTER FV SG - HL 15M.D.017
SENKKLAPPFENSTER FV SG - VL 15M.D.018
SENKKLAPPFENSTER FV SG - CW 50-TT 15M.D.019
SENKKLAPPFENSTER FV SG - CW 50-TT/HL 15M.D.020
SENKKLAPPFENSTER FV SG - TT/VL 15M.D.021
INNEN OEFF. ELEM. HV 15M.D.022-023
SSG INNEN OEFF. ELEM. HV - SC 15M.D.024-025
DACHFENSTER GB 15M.D.026
DACHFENSTER GB HI 15M.D.027
DACHFENSTER SGS/GB 15M.D.028
DACHFENSTER SGS/GB HI 15M.D.029
DACHFENSTER SGS 15M.D.030
DACHFENSTER SGS HI 15M.D.031
TUERANSCHLUSS -SC 15M.D.032
TUERANSCHLUSS -SG 15M.D.033
AUSSEN OEFF. ELEM. - SG - EF 7-GB 15M.D.034-035
AUSSEN OEFF. ELEM. - SG - EF 7-GB/HI 15M.D.036-037
AUSSEN OEFF. ELEM. - SG - EF 7-SG 15M.D.038-039
AUSSEN OEFF. ELEM. - SG - EF 7-SG/HI 15M.D.040-041
AUSSEN OEFF. ELEM. - EF 7-GB 15M.D.042-045
AUSSEN OEFF. ELEM. - SGS - EF 7-SG 15M.D.046-047
AUSSEN OEFF. ELEM. - SGS - EF 7-SG/HI 15M.D.048-050

Werkzeichnungen

AUSSEN OEFF. ELEM. THW SG 15M.E.001-003
AUSSEN OEFF. ELEM. THW SG HI 15M.E.004-005
AUSSEN OEFF. ELEM. THW GB 15M.E.006-007
AUSSEN OEFF. ELEM. THW GB HI 15M.E.008-009
AUSSEN OEFF. ELEM. THW SG - CW50-SC 15M.E.010-011
AUSSEN OEFF. ELEM. THW SG - CW50-SC/HI 15M.E.012-013
AUSSEN OEFF. ELEM. THW SG - CW50-HL 15M.E.014-015
AUSSEN OEFF. ELEM. THW SG - CW50-HL/HI 15M.E.016-017
AUSSEN OEFF. ELEM. THW SG - CW50-VL 15M.E.018-019
AUSSEN OEFF. ELEM. THW SG - CW50-VL/HI 15M.E.020-021
AUSSEN OEFF. ELEM. THW SGS - CW50-SC 15M.E.022-023
AUSSEN OEFF. ELEM. THW SGS - CW50-SC/HI 15M.E.024-025
AUSSEN OEFF. ELEM. THW - CW50-SG - CW 60-SG 15M.E.026-027
SENKKLAPPFENSTER FV SG 15M.E.028-029
SENKKLAPPFENSTER FV SG - HL 15M.E.030-031
SENKKLAPPFENSTER FV SG - VL 15M.E.032-033
SENKKLAPPFENSTER FV SG - CW 50-TT 15M.E.034-035
SENKKLAPPFENSTER FV SG - CW50-TT/HL 15M.E.036-037
SENKKLAPPFENSTER FV SG - TT/VL 15M.E.038-039
AUSSEN OEFF. ELEM. POW SG 15M.E.040-041
AUSSEN OEFF. ELEM. POW GB 15M.E.042-043
AUSSEN OEFF. ELEM. POW SG - CW50-SC 15M.E.044-045
AUSSEN OEFF. ELEM. POW SGS - CW50-SC 15M.E.046-047
AUSSEN OEFF. ELEM. POW SGS - CW50-SC/HI 15M.E.048-049
INNEN OEFF. ELEM. HV SG 15M.E.050-051
INNEN OEFF. ELEM. HV SG - SC 15M.E.052-053
DACHFENSTER GB 15M.E.054-055
DACHFENSTER: HANDHEBEL 15M.E.056-057
DACHFENSTER: SPINDEL 15M.E.058-059
DACHFENSTER: ANTRIEB 15M.E.060-061
DACHFENSTER GB HI 15M.E.062-063
DACHFENSTER: HANDHEBEL HI 15M.E.064-065
DACHFENSTER-SPINDEL HI 15M.E.066-067
DACHFENSTER: ANTRIEB HI 15M.E.068-069
DACHFENSTER SGS/GB 15M.E.070-073
DACHFENSTER SGS/GB HI 15M.E.074-077
DACHFENSTER SGS 15M.E.078-081
DACHFENSTER SGS HI 15M.E.082-085
FASSADE VARIANTE-SC " MASTERLINE TUERANSCHLUSS ' 15M.E.086-087
AUSSEN OEFF. ELEM. THW SG - EF 7-GB 15M.E.088-089
AUSSEN OEFF. ELEM. THW GB - EF 7-GB 15M.E.090-091
AUSSEN OEFF. ELEM. THW SG - EF 7-SG 15M.E.092-093
AUSSEN OEFF. ELEM. THW SGS - EF 7-SG 15M.E.094-095
AUSSEN OEFF. ELEM. POW SG - EF 7-GB 15M.E.096-097
AUSSEN OEFF. ELEM. POW GB - EF 7-GB 15M.E.098-099
AUSSEN OEFF. ELEM. POW SG - EF 7-SG 15M.E.100-101
AUSSEN OEFF. ELEM. POW SGS - EF 7-SG 15M.E.102-103
AUSSEN OEFF. ELEM. POW SG - EF7 SG 15M.E.104

Montagezeichnungen

WERKZEUGE UND MASCHINEN UEBERSICHT 15M.F.001-003
SPANNBACKEN CNC MASCHINEN 15M.F.004-005
PRESSECKVERB. RAHMEN 134.0135.XX 15M.F.006
PRESSECKVERB. FLUEGEL 134.0130.XX 15M.F.007
PRESSECKVERB. RAHMEN 134.0125.XX 15M.F.008
PRESSECKVERB. FLUEGEL 134.2130, 2135, 2140.XX 15M.F.009
PRESSECKVERB. RAHMEN 134.0145.XX 15M.F.010
PRESSECKVERB. FLUEGEL 134.0140.XX 15M.F.011
VERKLEBUNG HINTERFUELLUNGPROFIL 180,932X,04 15M.F.012
VERKLEBUNG HINTERFUELLUNGPROFIL 134.018X.04 15M.F.013
AUSSEN OEFF. ELEM. BEFESTIGUNG CW 15M.F.014-015
AUSSEN OEFF. ELEM. BEFESTIGUNG EF 7 15M.F.016-017
AUSSEN OEFF. ELEM. ENTWAESSERUNG SG 15M.F.018-019
GLASAUFLAGE, MAX. GLASGEWICHT 120KG 15M.F.020
GLASAUFLAGE, MAX. GLASGEWICHT 165KG 15M.F.021
AUSSEN OEFF. ELEM. AUSFALLSICHERUNG SG 15M.F.022-023
AUSSEN OEFF. ELEM. ENTWAESSERUNG GB 15M.F.024-025
GLASAUFLAGEPROFIL 15M.F.026
SICHERHEIT GLASLEISTE 15M.F.027
AUSSEN OEFF. ELEM. ENTWAESSERUNG SGS 15M.F.028-029
AUSSEN OEFF. ELEM. GLASAUFLAGEPROFIL SGS 15M.F.030
AUSSEN OEFF. ELEM. AUSFALLSICHERUNG SGS 15M.F.031
AUSSEN OEFF. ELEM. HEBEL 15M.F.032-033
AUSSEN OEFF. ELEM. ERRETI HEBEL 15M.F.034-035
AUSSEN OEFF. ELEM. ECKUMLENKUNG/SCHLIESSPUNKTI 15M.F.036-037
MIN/MAX MASSE THW CALDWELL 15M.F.038-039
BEARBEITUNG THW CALDWELL 15M.F.040-041
MIN/MAX MASSE THW SECURISTYLE 15M.F.042-043
BEARBEITUNG THW SECURISTYLE 15M.F.044-047
SCHLIESSPUNKTEN THW 15M.F.048-049
ABMESSUNGEN STANGES THW EINSTECKGETRIEBE 15M.F.050
ABMESSUNGEN STANGES THW ERRETI HANDHEBEL 15M.F.051
SCHLIESSPUNKT OBEN THW CALDWELL 15M.F.052
SCHLIESSPUNKT OBEN THW SECURISTYLE 15M.F.053
BEGRENZUNGSSCHERE 15M.F.054-059
MANUELLES PAF 15M.F.060-061
MIN/MAX MASSE MANUELLES PAF 15M.F.062-063
BEARBEITUNG POW 15M.F.064-065
SCHLIESSPUNKTEN POW 15M.F.066-067
ABMESSUNGEN STANGES POW 15M.F.068-069
ABMESSUNGEN STANGES POW ERRETI HANDHEBEL 15M.F.070-071
POW EINBAU HANDGRIFF 15M.F.072-073
POW EINBAU ERRETI HANDHEBEL 15M.F.074-075
ZUSAMMENSETZUNG DES FLUEGELS SNELKLAPFENSTER 15M.F.076-077
MONTAGE FLUEGEL 15M.F.078
MONTAGE BLENDRAHMEN 15M.F.079
BLENDRAHMEN 15M.F.080-081
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV 15M.F.082
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV 15M.F.083
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV 15M.F.084-085
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV 15M.F.086
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV 15M.F.087
SCHERE SENKKLAP - 034.0140.XX & 034.0141.XX 15M.F.088-091
ZUBEHOER KLAPPFENSTER 15M.F.092-093
KLAPPSCHERE RIEGELUNG 15M.F.094
EINBAU SCHERE 15M.F.095
ZUBEHOER KLAPPFENSTER 15M.F.096-101
PRESSECKVERB. RAHMEN 034.0162.XX 15M.F.102
PRESSECKVERB. RAHMEN 034.0163.XX 15M.F.103
MONTAGE SENKKLAP FLUEGEL - CW 50-SG - CW 60-SG 15M.F.104-105
SCHERE SENKKLAP - CW 50-SG - CW 60-SG 15M.F.106-109
HANDBUCH SENKKLAP - SG 15M.F.110-113
BEGRENZUNGSSCHERE THW - CW 50-SG - CW 60-SG 15M.F.114
BEARBEITUNG AM FENSTER - CW 50-SG - CW 60-SG 15M.F.115-116
MECHANISCHE SICHERHEIT - CW 50-SG - CW 60-SG 15M.F.117
VERDECKTER FLUEGEL 15M.F.118-121
VERDECKTER FLUEGEL SSG 15M.F.122-129
VERDECKTER FLUEGEL SSG - SC 15M.F.130-133
DACHFENSTER: WERKZEUGE UND MASCHINEN UEBERSI 15M.F.134
DACHFENSTER: UEBERSICHT KONFIGURATIONEN LV 15M.F.135
DACHFENSTER: SPANNBACKEN CNC MASCHINEN 15M.F.136-137
DACHFENSTER: SCHRAUBECKWINKEL BLENDRAHMEN 15M.F.138
DACHFENSTER: SCHRAUBECKWINKEL FLUEGEL 15M.F.139
DACHFENSTER: SCHRAUBECKWINKEL GLASLEISTE 15M.F.140
DACHFENSTER: SCHRAUBECKWINKEL GLASLEISTE SGS/(15M.F.141
DACHFENSTER: MONTAGE GB 15M.F.142
DACHFENSTER: MONTAGE SGS/GB 15M.F.143
DACHFENSTER: MONTAGE SGS 15M.F.144
DACHFENSTER: MONTAGE BAENDER 15M.F.145-146
DACHFENSTER: MONTAGE BAENDER HI 15M.F.147
DACHFENSTER: ENTWAESSERUNG 15M.F.148-149
DACHFENSTER: HANDHEBEL 15M.F.150
DACHFENSTER: SPINDEL 15M.F.151
DACHFENSTER: MONTAGEBEISPIEL KETTENANTRIEB 15M.F.152-153
DACHFENSTER: MONTAGEBEISPIEL ZAHNSTANGENANTR 15M.F.154-155
DACHFENSTER: MONTAGEBEISPIEL SCHLIESSPUNKTMOT 15M.F.156-157
DACHFENSTER: SCHLIESSPUNKTE 15M.F.158-161
DACHFENSTER: 071.6551.– 15M.F.162-163
DACHFENSTER: MAXIMALE OFFNUNGSECKE 15M.F.164-165
DACHFENSTER: MAX. ABMESSUNGEN 15M.F.166-168
DACHFENSTER: MIN.ABMESSUNG 15M.F.169

FASSADE VARIANTE-SC " MASTERLINE TUERANSCHLUSS 15M.F.170-171
VERGLASUNGSTABELLE " SG AUSSEN OEFF. ELEM. " 15M.F.172-173
VERGLASUNGSTABELLE AUSSEN OEFF. ELEM. MIT GLASL 15M.F.174-175
VERGLASUNGSTABELLE SGS AUSSEN OEFF. ELEM. 15M.F.176-177
VERGLASUNGSTABELLE-SG 15M.F.178-179
VERGLASUNGSTABELLE 15M.F.180-183
VERGLASUNGSTABELLE-HL 15M.F.184-185
VERGLASUNGSTABELLE 15M.F.186-188
VERGLASUNGSTABELLE-HL 15M.F.189-191
VERGLASUNGSTABELLE-VL 15M.F.192-193
VERGLASUNGSTABELLE VERDECKTER FLUEGEL SSG 15M.F.194-195
VERGLASUNGSTABELLE VERDECKTER FLUEGEL SSG - SC 15M.F.196-197
DACHFENSTER: VERGLASUNGSTABELLE GB 15M.F.198-199
DACHFENSTER: VERGLASUNGSTABELLE GB HI 15M.F.200-201
DACHFENSTER: VERGLASUNGSTABELLE SGS, SGS/GB 15M.F.202-203
DACHFENSTER: VERGLASUNGSTABELLE SGS HI, SGS/GB 15M.F.204-205
VERGLASUNGSTABELLE-SC " MASTERLINE TUERANSCHL 15M.F.206-213
VERGLASUNGSTABELLE DACHFENSTER-HI 15M.F.214

Zubehör

UEBERSICHT ZUBEHOR 15M.G.001-008
PRESSECKWINKEL 15M.G.009-010
ECKVERBINDER 15M.G.011
PRESSECKWINKEL UND SCHRAUBECKWINKEL 15M.G.012
ECKWINKEL 15M.G.013
SCHRAUBECKWINKEL/ECKWINKEL MIT STIFT 15M.G.014-015
ANSCHLAGDICHTUNG 15M.G.016-018
DICHTUNG 15M.G.019
ANSCHLAGDICHTUNG 15M.G.020
DICHTUNGEN 15M.G.021
VERGLASUNGSDICHTUNG 15M.G.022-027
DICHTUNG 15M.G.028-030
GLASAUFLAGEPROFIL 15M.G.031-032
AUSSEN OEFF. ELEM. AUSFALLSICHERUNG SG 15M.G.033
GLASAUFLAGEPROFIL 15M.G.034-035
AUSSEN OEFF. ELEM. AUSFALLSICHERUNG SGS 15M.G.036
GLASAUFLAGEPROFIL 15M.G.037
KLOTZBRUECKEN 15M.G.038-041
EINSTECKGETRIEBE 15M.G.042
ALLGEMEINES ZUBEHOER FENSTER 15M.G.043-048
GRUNDKARTON AUSSEN OEFFNEND STANDARD 15M.G.049
GRUNDKARTON AUSSEN OEFFNEND PILZVERSCHLUSS 15M.G.050
EINSTECKGETRIEBE/ECKUMLENKUNG/SCHLIESSSTUECK 15M.G.051
ALLGEMEINES ZUBEHOER 15M.G.052
ALLGEMEINES ZUBEHOER FENSTER 15M.G.053
SCHLIESSSTUECK 15M.G.054
SCHERE SENKKLAP 15M.G.055-062
BEGRENZUNGSSCHERE 15M.G.063
BEGRENZUNGSSCHERE GESICHERT 15M.G.064
BEGRENZUNGSSCHERE 15M.G.065
SCHERE PAF 15M.G.066
SCHARNIER 15M.G.067
AUFLAUFSTUECK KUNSTSTOFF 15M.G.068
DIVERSE 15M.G.069-070
DACHFENSTER 15M.G.071
DIVERSE 15M.G.072
BEFESTIGUNGSMITTEL 15M.G.073-092
DIVERSE 15M.G.093-097
BOHRLEHRE ELEMENTKOPPLUNG 15M.G.098
BOHRLEHRE 15M.G.099-100
STANZEINHEIT HANDGRIFF 15M.G.101
DIVERSE 15M.G.102
SPANNBACKE 15M.G.103-104
SPANNBACKEN 15M.G.105
PRESSBLOCK FUER 095.H800.00 15M.G.106-107
PRESSBLOCK FUER 095.B500.00 15M.G.108
PRESSBLOCK 15M.G.109
MESSER 15M.G.110
MESSER FUER 095.B500.00 15M.G.111
MESSER 15M.G.112
SCHNEIDELEHRE 15M.G.113
SCHERE SENKKLAP 15M.G.114

15M.A.001	01/2021	D3000988	15M.D.023	01/2021	D0102493
15M.A.002	29/06/2021	D3000984	15M.D.024	01/2021	D0102651
15M.A.003	01/2021	D3000987	15M.D.025	01/2021	D0102653
15M.A.004	01/2021	D3000988	15M.D.026	29/06/2021	D0102204
15M.A.005	01/2021	D3000989	15M.D.027	29/06/2021	D0102205
15M.A.006	01/2021	D3000990	15M.D.028	29/06/2021	D0102206
15M.A.007	01/2021	D3000991	15M.D.029	29/06/2021	D0102208
15M.A.008	01/2021	D3000992	15M.D.030	29/06/2021	D0102592
15M.B.001	01/2021	PD.089.O51A.00-DU	15M.D.031	29/06/2021	D0102593
15M.B.015	01/2021	PD.089.O51A.00-FR	15M.D.032	06/2021	D0102654
15M.B.029	01/2021	PD.089.O51A.00-EN	15M.D.033	06/2021	D0102687
15M.B.043	01/2021	PD.089.O51A.00-GE	15M.D.034	29/06/2021	D3005541
15M.C.001	06/2021	D3007418	15M.D.035	29/06/2021	D3006313
15M.C.002	01/2021	D0102017	15M.D.036	29/06/2021	D3005542
15M.C.003	01/2021	D3001417	15M.D.037	29/06/2021	D3006314
15M.C.004	01/2021	D3007419	15M.D.038	29/06/2021	D3005543
15M.C.005	06/2021	D0102010	15M.D.039	29/06/2021	D3006315
15M.C.006	06/2021	D0102018	15M.D.040	29/06/2021	D3005544
15M.C.007	07/07/2021		15M.D.041	29/06/2021	D3006316
15M.C.008	07/07/2021	D3005992	15M.D.042	01/2021	D3007414
15M.C.009	01/2021	D3005996	15M.D.043	06/2021	D3007416
15M.C.010	25/06/2021	D3005963	15M.D.044	06/2021	D3007420
15M.C.011	29/06/2021	D3005981	15M.D.045	06/2021	D3007421
15M.C.012	29/06/2021	D3006008	15M.D.046	06/2021	D3006317
15M.C.013	06/2021	D1042505	15M.D.047	06/2021	D3006318
15M.C.014	01/2021	D0102160	15M.D.048	06/2021	D3006319
15M.C.015	01/2021	D3000483	15M.D.049	06/2021	D3006320
15M.C.016	01/2021		15M.D.050	06/2021	
15M.C.017	01/2021	D3000482	15M.E.001	06/2021	
15M.C.018	01/2021	D0102060	15M.E.002	06/2021	D3006118
15M.C.019	01/2021	D0102058	15M.E.004	06/2021	D3006147
15M.C.020	01/2021	D0102059	15M.E.006	06/2021	D3006449
15M.C.021	25/06/2021	D0102057	15M.E.008	06/2021	D3007535
15M.C.022	06/2021	D0102069	15M.E.010	06/2021	D3006146
15M.C.023	06/2021	D0102065	15M.E.012	06/2021	D3007536
15M.C.024	06/2021		15M.E.014	06/2021	D3006136
15M.C.025	06/2021	D0102096	15M.E.016	29/07/2021	D3007540
15M.C.026	01/2021	D0102148	15M.E.018	06/2021	D3006144
15M.C.027	06/2021	D0102161	15M.E.020	29/07/2021	D3007537
15M.C.028	01/2021	D0102162	15M.E.022	06/2021	D3006487
15M.C.029	01/2021	D3001287	15M.E.024	06/2021	D3008529
15M.C.030	01/2021	D0102163	15M.E.026	01/2021	D3000029
15M.C.031	01/2021	D0102164	15M.E.028	06/2021	D3004699
15M.C.032	06/2021	D0102165	15M.E.030	06/2021	D3004716
15M.C.033	06/2021	D3002806	15M.E.032	29/06/2021	D3005884
15M.C.034	01/2021	D3002633	15M.E.034	06/2021	D3005707
15M.C.035	01/2021	D3001286	15M.E.036	06/2021	D3005719
15M.C.036	06/2021		15M.E.038	29/06/2021	D3005558
15M.D.001	06/2021	D3001516	15M.E.040	06/2021	D3006440
15M.D.002	29/06/2021	D3005524	15M.E.042	06/2021	D3006478
15M.D.003	29/06/2021	D3005528	15M.E.044	06/2021	D3006479
15M.D.004	06/2021	D3005538	15M.E.046	29/06/2021	D3006503
15M.D.005	06/2021	D3005539	15M.E.048	29/06/2021	D3008526
15M.D.006	06/2021	D3005540	15M.E.050	01/2021	D0102726
15M.D.007	29/06/2021	D3005527	15M.E.052	01/2021	D3000024
15M.D.008	29/06/2021	D3005531	15M.E.054	02/09/2021	D0102244
15M.D.009	29/06/2021	D3005525	15M.E.056	25/06/2021	D0102245
15M.D.010	29/06/2021	D3005529	15M.E.058	25/06/2021	D0102246
15M.D.011	29/06/2021	D3005526	15M.E.060	29/06/2021	D0102247
15M.D.012	25/06/2021	D3005530	15M.E.062	29/06/2021	D0102248
15M.D.013	29/06/2021	D3005532	15M.E.064	25/06/2021	D0102249
15M.D.014	29/06/2021	D3005535	15M.E.066	25/06/2021	D0102250
15M.D.015	29/06/2021	D0102686	15M.E.068	25/06/2021	D0102251
15M.D.016	06/2021	D3004698	15M.E.070	29/06/2021	D0102632
15M.D.017	06/2021	D3004706	15M.E.072	25/06/2021	D0102633
15M.D.018	06/2021	D3005591	15M.E.074	29/06/2021	D0102634
15M.D.019	06/2021	D3004717	15M.E.076	25/06/2021	D0102635
15M.D.020	06/2021	D3004719	15M.E.078	29/06/2021	D0102638
15M.D.021	06/2021	D3005985	15M.E.080	25/06/2021	D0102639
15M.D.022	01/2021	D0102492	15M.E.082	29/06/2021	D0102640

15M.E.084	25/06/2021	D0102641	15M.F.118	01/2021	D3000207
15M.E.086	01/2021	D3006893	15M.F.120	01/2021	D3000209
15M.E.088	06/2021	D3007259	15M.F.122	01/2021	D3000210
15M.E.090	06/2021	D3007260	15M.F.124	01/2021	D3007481
15M.E.092	06/2021	D3007261	15M.F.126	01/2021	D3000213
15M.E.094	29/07/2021	D3008530	15M.F.128	01/2021	D3000214
15M.E.096	06/2021	D3007262	15M.F.130	01/2021	D3000315
15M.E.098	06/2021	D3007263	15M.F.132	01/2021	D3000316
15M.E.100	06/2021	D3007264	15M.F.134	29/06/2021	D3000523
15M.E.102	06/2021	D3008537	15M.F.136	29/06/2021	D3003305
15M.E.104	06/2021		15M.F.138	29/06/2021	D0102252
15M.F.001	06/2021		15M.F.140	29/06/2021	D0102253
15M.F.002	06/2021	D0102225	15M.F.142	29/06/2021	D0102469
15M.F.004	06/2021	D3004972	15M.F.144	29/06/2021	D0102470
15M.F.006	06/2021	D3006063	15M.F.146	29/06/2021	D0102471
15M.F.008	06/2021	D3006065	15M.F.148	29/06/2021	D3001589
15M.F.010	25/06/2021	D3006064	15M.F.150	29/06/2021	D0102472
15M.F.012	06/2021	D3006066	15M.F.152	29/06/2021	D0102473
15M.F.014	06/2021	D3006083	15M.F.154	29/06/2021	D0102474
15M.F.016	06/2021	D3008495	15M.F.156	29/06/2021	D0102475
15M.F.018	25/06/2021	D3006089	15M.F.158	29/06/2021	D0102752
15M.F.020	29/06/2021	D3007411	15M.F.160	29/06/2021	D3003834
15M.F.022	06/2021	D3008494	15M.F.162	29/06/2021	D3004391
15M.F.024	06/2021	D3006068	15M.F.164	29/06/2021	D3002772
15M.F.026	25/06/2021	D3007485	15M.F.166	29/06/2021	D0102753
15M.F.028	05/07/2021	D3006088	15M.F.168	29/06/2021	D0102754
15M.F.030	06/2021	D3008493	15M.F.170	01/2021	D3006918
15M.F.032	06/2021	D3006084	15M.F.172	06/2021	D3006080
15M.F.034	25/06/2021	D3007386	15M.F.174	01/2021	D3006082
15M.F.036	06/2021	D3006085	15M.F.176	06/2021	D3006081
15M.F.038	06/2021	D3006240	15M.F.178	29/06/2021	D3000883
15M.F.040	06/2021	D3006242	15M.F.180	01/2021	D3005880
15M.F.042	06/2021	D3006250	15M.F.182	01/2021	D3004750
15M.F.044	06/2021	D3006251	15M.F.184	01/2021	D3005610
15M.F.046	06/2021	D3006252	15M.F.186	06/2021	D3005601
15M.F.048	06/2021	D3006243	15M.F.188	06/2021	D3005607
15M.F.050	06/2021	D3006244	15M.F.190	06/2021	D3005608
15M.F.052	25/06/2021	D3006245	15M.F.192	29/06/2021	D3005613
15M.F.054	06/2021	D3006247	15M.F.194	01/2021	D3000876
15M.F.056	06/2021	D3006248	15M.F.196	01/2021	D3000882
15M.F.058	01/2021	D3006249	15M.F.198	29/06/2021	D0102755
15M.F.060	29/06/2021	D3000189	15M.F.200	29/06/2021	D3000017
15M.F.062	06/2021	D3006087	15M.F.202	29/06/2021	D3000089
15M.F.064	06/2021	D3006673	15M.F.204	29/06/2021	D3000095
15M.F.066	06/2021	D3006674	15M.F.206	06/2021	D3006958
15M.F.068	06/2021	D3006675	15M.F.208	06/2021	D3007017
15M.F.070	06/2021	D3008491	15M.F.210	06/2021	D3007046
15M.F.072	06/2021	D3006246	15M.F.212	06/2021	D3007049
15M.F.074	06/2021	D3008492	15M.F.214	06/2021	
15M.F.076	01/2021	D3004739	15M.G.001	02/09/2021	D3008955
15M.F.078	01/2021	D3005868	15M.G.002	02/09/2021	D3008956
15M.F.080	01/2021	D3004731	15M.G.003	02/09/2021	D3008957
15M.F.082	29/06/2021	D3005467	15M.G.004	02/09/2021	D3008958
15M.F.084	25/06/2021	D3006009	15M.G.005	02/09/2021	D3008959
15M.F.086	29/06/2021	D3004747	15M.G.006	02/09/2021	D3008960
15M.F.088	01/2021	D3004732	15M.G.007	02/09/2021	D3008961
15M.F.090	01/2021	D3004730	15M.G.008	02/09/2021	D3008962
15M.F.092	01/2021	D3004734	15M.G.009	01/2021	
15M.F.094	01/2021	D3004738	15M.G.010	01/2021	D3006687
15M.F.096	01/2021	D3004742	15M.G.011	06/2021	D3001042
15M.F.098	01/2021	D3004743	15M.G.012	06/2021	D3008590
15M.F.100	01/2021	D3004745	15M.G.013	01/2021	D3001038
15M.F.102	01/07/2021	D3000335	15M.G.014	01/2021	D0102095
15M.F.104	01/2021	D3000336	15M.G.015	25/06/2021	D0102097
15M.F.106	01/2021	D3000337	15M.G.016	06/2021	D3008645
15M.F.108	01/2021	D3000338	15M.G.017	06/2021	D3008641
15M.F.110	01/2021	D3000339	15M.G.018	06/2021	D3008579
15M.F.112	01/2021	D3000340	15M.G.019	06/2021	D3008648
15M.F.114	29/06/2021	D3000341	15M.G.020	06/2021	D3008647
15M.F.116	01/2021	D3000342	15M.G.021	01/2021	D3001015

15M.G.022	06/2021	D3001008	15M.G.092	01/2021	D0102588
15M.G.023	01/2021	D3001010	15M.G.093	06/2021	D3001067
15M.G.024	01/2021	D3001011	15M.G.094	06/2021	D3001068
15M.G.025	01/2021	D3001012	15M.G.095	25/06/2021	D3001069
15M.G.026	06/2021	D3008639	15M.G.096	01/2021	D3001070
15M.G.027	06/2021	D3008640	15M.G.097	02/09/2021	D3008917
15M.G.028	06/2021	D3005553	15M.G.098	25/06/2021	D3001077
15M.G.029	06/2021	D3008649	15M.G.099	01/2021	D3000867
15M.G.030	06/2021	D3008654	15M.G.100	29/06/2021	D3005557
15M.G.031	06/2021	D3006688	15M.G.101	01/2021	D3001078
15M.G.032	01/2021	D3006689	15M.G.102	01/2021	D3001079
15M.G.033	25/06/2021	D3008578	15M.G.103	01/2021	D3003268
15M.G.034	06/2021	D3006691	15M.G.104	01/2021	D3003269
15M.G.035	25/06/2021	D3006690	15M.G.105	01/2021	D3007406
15M.G.036	06/2021	D3008577	15M.G.106	01/2021	D3001080
15M.G.037	06/2021	D3005548	15M.G.107	01/2021	D3007408
15M.G.038	06/2021	D3005547	15M.G.108	01/2021	D3001082
15M.G.039	01/2021	D3000998	15M.G.109	01/2021	D3001083
15M.G.040	02/09/2021	D3000999	15M.G.110	01/2021	D3001084
15M.G.041	01/2021	D0102087	15M.G.111	01/2021	D3001085
15M.G.042	06/2021	D0102114	15M.G.112	01/2021	D3007409
15M.G.043	01/2021	D3007393	15M.G.113	25/06/2021	D3001087
15M.G.044	06/2021	D3007394	15M.G.114	06/2021	
15M.G.045	06/2021	D3008580	15M.001		
15M.G.046	06/2021	D3007403	15M.004		
15M.G.047	06/2021	D3001045	15M.007		
15M.G.048	06/2021	D3001081	15M.010		
15M.G.049	06/2021	D3006684			
15M.G.050	06/2021	D3006685			
15M.G.051	06/2021	D3006686			
15M.G.052	06/2021	D3005545			
15M.G.053	06/2021	D3001044			
15M.G.054	06/2021	D3001063			
15M.G.055	06/2021	D3006677			
15M.G.056	06/2021	D3006678			
15M.G.057	06/2021	D3007400			
15M.G.058	01/2021	D3007404			
15M.G.059	01/2021	D3007401			
15M.G.060	06/2021	D3001052			
15M.G.061	06/2021	D3001053			
15M.G.062	06/2021	D3001055			
15M.G.063	01/2021	D3006694			
15M.G.064	01/2021	D3006683			
15M.G.065	01/2021	D3006681			
15M.G.066	06/2021	D3006680			
15M.G.067	01/2021	D0102111			
15M.G.068	06/2021	D3000889			
15M.G.069	06/2021	D3001066			
15M.G.070	06/2021	D3005555			
15M.G.071	06/2021	D3001062			
15M.G.072	06/2021	D3008655			
15M.G.073	01/2021	D3001036			
15M.G.074	01/2021	D0102324			
15M.G.075	01/2021	D0102326			
15M.G.076	01/2021	D0102327			
15M.G.077	01/2021	D0102328			
15M.G.078	01/2021	D0102574			
15M.G.079	06/2021	D0102575			
15M.G.080	01/2021	D0102576			
15M.G.081	01/2021	D0102577			
15M.G.082	06/2021	D0102578			
15M.G.083	06/2021	D0102579			
15M.G.084	06/2021	D0102580			
15M.G.085	01/2021	D0102581			
15M.G.086	01/2021	D0102582			
15M.G.087	01/2021	D0102583			
15M.G.088	01/2021	D0102584			
15M.G.089	01/2021	D0102585			
15M.G.090	01/2021	D0102586			
15M.G.091	01/2021	D0102587			

INHOUDSTAFEL
TABLE DES MATIERES
TABLE OF CONTENTS
INHALTSANGABE

A

Reynaers Aluminium

Algemene informatie
Généralités
General Information
Allgemeine Information

	Eénpuntsluiting Fermeture à 1 point 1-Point lock Einfachverriegelung	Zamek 1-punktowy
	Eénpuntsluiting met dagschieter Fermeture à 1 point à pêne 1-Point lock with latch Einfachverriegelung mit Falle	Zamek 1-punktowy
	Eénpuntsluiting met rol Fermeture à 1 points à rouleau 1-Point lock with roller Einfachverriegelung mit Rolle	Zamek 1-punktowy z barylka
	Haakslot Serrure à crochet Hook lock Hakenschloss	Zamek hakowy
	Tweepuntsluiting Fermeture à 2 points 2-Point lock Zweifachverriegelung	Zamek 2-punktowy
	Driepuntsluiting Fermeture à 3 points 3-Point lock Dreifachverriegelung	Zamek 3-punktowy
	Driepuntsluiting met rol Fermeture à 3 points à rouleau 3-Point lock with roller Dreifachverriegelung mit Rolle	Zamek 3-punktowy z barylka
	Vierpuntsluiting Fermeture à 4 points 4-Point lock Vierfachverriegelung	Zamek 4-punktowy
	Vijfpuntsluiting Fermeture à 5 points 5-Point lock Fünffachverriegelung	Zamek 5-punktowy
	Vijfpuntsluiting met rol Fermeture à 5 points à rouleau 5-Point lock with roller Fünffachverriegelung mit Rolle	Zamek 5-punktowy z barylka
	Zespuntsluiting Fermeture à 6 points 6-Point lock Sechsfachverriegelung	Zamek 6-punktowy
	Zevenpuntsluiting Fermeture à 7 points 7-Point lock Siebenfachverriegelung	Zamek 7-punktowy
	Espagnoletslot Fermeture espagnolette Espagnolette Lock Treibriegelverschluss	Zamek drzwiowy do blokady pionowej
	Cilinders Cylindres Cylinders Zylinder	Cylindry
	Cilinderplaten Ecussons Cylinder covers PZ-Rosette	Oslona wkladki bebenkowej
	Slotpaden Gâches Receivers Schliessbleche	Gniazdo rygla zamka
	Deursluiters Ferme-porte Door closer Türschliesser	Samozamykacz drzwiowy

	Elektrische deuropener Gâche pour serrure électrique Electric door opener Elektrischer Türöffner	Elektrorygiel
	Deurgrendels en kantschuiven Verrous de condamnation portes Flush and door bolts Kantriegel und Türriegel	Rygle biernych skrzydel drzwiowych
	Geen elektrische spanning bij gesloten deur En cas de porte fermé pas des tension électrique No electric tension in case of closed door Keine elektrische Spannung bei geschlossen Tür	Brak elektrycznego napiecia w przypadku zamknietych drzwi
	Raampompen Crémones Window handles Handhebel	Klamka okienna
	Deurkrukken Béquilles Door handles Türdrücker	Klamka drzwiowa
	Sluitingen dubbele deur Serrures pour porte double Locks for double door Türtreibriegel	Blokada drzwi dwuskrzydlowych
	Raampomp naar buiten draaiend raam Crémone fenêtre ouvrant vers l'extérieur Handle outward opening window Handhebel nach aussen öffnendes Fenster	Klamka okna otwieranego na zewnatrz
	Raamscharnieren Paumelles pour fenêtres Window hinges Fensterbänder	Zawias okienny
	Deurscharnieren 2-delig Paumelles porte 2-partite Door hinges 2-part Türbänder 2-teilig	Zawias drzwiowy 2-czesciowy
	Deurscharnieren 3-delig Paumelles porte 3-partite Door hinges 3-part Türbänder 3-teilig	Zawias drzwiowy 3-czesciowy
	Afstandsbussen Pièces de distance Set of distance bushes Distanzbuchsen	Tuleje dystansowe
	Geen afstandsbussen nodig Pas de pièces de distance No distance bushes needed Keine Distanzbuchse	Brak koniecznosci stosowania tuleji dystansowych
	Inbraakwerende kogel Bille anti-vol Anti-burglar ball Einbruchhemmende Kugel	Kulka antywlamaniowa
	Dieveklauw Pene anti-degondage Anti-lift pin Sicherheitsbolzen	Bolec antywywazeniowy
	Kozijndorpelveer Pivot de frein aerien Overhead closer Obentürschliesser	Samozamykacz gorny
	Vloerveer Pivot de frein au sol Floor closer Bodentürschliesser	Samozamykacz podlogowy

A

Profiel
Profilé
Profile
Profil
Profil

A dm²/m
Anodisatie- of lakoppervlakte
Surface anodisée ou laquée
Anodizing or coating surface
Eloxierte oder lackierte Oberfläche
Powierzchnia anodowana lub malowana

P dm²/m
Polijstoppervlakte
Surface à polir
Polishing surface
Polieroberfläche
Powierzchnia polerowana

Lm
Lengte
Longueur
Length
Länge
Dlugosc

Afmetingen
Dimensions
Dimensions
Abmessungen
Wymiary

Toepassing
Application
Application
Anwendung
Zastosowanie

Bevestigingsmiddelen
Moyens de fixation
Fixations
Befestigungsmittel
Mocowanie

Schroeven niet meegeleverd
Fourniture sans vis
Delivered without screws
Lieferung ohne Schrauben
Dostarczane bez wkretow

1 2 3 ·
Montagevolgorde
Ordre de montage
The order of assembly
Montagereihenfolge
Kolejnosc montazu

Dichtingsmiddel
Matière d'étanchéité
Sealing agent
Abdichtungsmittel
Masa uszczelniajaca

GLUE
Verlijmen
Coller
Glue
Verkleben
Klej

Vulcaniseerlijm
Colle vulcanisante
Vulcanizing glue
Vulkanisierkleber
Klej wulkanizacyjny

Referentiemaat
Dimension de référence
Reference dimension
Referenzmass
Punkt odniesienia wymiarowania

M
Merkteken
Marquage
Mark
Merkzeichen
Znak

SSG
Structureel gelijmd glaswerk
Vitrage extérieur collé
Structural sealing glazing
UV-beständiger Scheibenrandverbund
Szyba klejona spoiwem konstrukcyjnym

Primaire zichtzijde van een profiel
Côté visible primaire d'un profilé
Primary visible side of a profile
Primäre sichtbare Seite eines Profils
Glowna widoczna powierzchnia profilu

Secundaire zichtzijde van een profiel
Côté visible secondaire d'un profilé
Secondary visible side of a profile
Sekund. sichtbare Seite eines Profils
Drugorzedna widoczna powierzchnia profilu

! Bicolor
Kleur buitenschaal (e) eerst aangeven in geval van bicolor (.69)
En cas de bicolore (.69) il faut indiquer d'abord la couleur du profilé extérieur (e)
For bicolor profiles (.69) first of all one should indicate the colour of the outer profile (e)
Falls zweifarbig (.69) soll man erst die Farbe des Aussenprofils (e) angeben
Dla profili dwukolorowych (.69) w pierwszej kolejnosci powinnien być wskazany kolor zewnetrznej strony profilu (e)

Verstek
Onglet
Mitre
Gehrung
Połaczenie katowe

#
Aantal
Nombre
Number
Anzahl
Ilosc

Zie pagina
Voir page
See page
Siehe Seite
Patrz strona

Type toebehoren
Type accessoires
Type accessories
Typ Zubehör
Rodzaj okuc

Glasmaten
Dimensions vitres
Glass sizes
Glasmasse
Wymiary szyby

Toepassing
Application
Utilization
Anwendung
Zastosowanie

Asymmetrisch profiel
Profilé asymétrique
Asymmetrical profile
Asymmetrisches Profil
Profil niesymetryczny

Pagina
Page
Page
Seite
Strona

Laatste editie
Dernière édition
Last edition
Letzte Edition
Poprzednie wydanie

Vorige blz
Page précédente
Previous page
Vorige Seite
Poprzednia strona

Verstevigingsprofiel
Profil de renforcement
Reinforcement profile
Verstaerkungsprofil
Profil wzmacniajacy

L
Links van buiten gezien
Gauche vue exterieur
Left seen from outside
Links Aussenansicht
Na lewo widok od zewnątrz

R
Rechts van buiten gezien
Droite vue exterieur
Right seen from outside
Rechts Aussenansicht
Na prawa widok od zewnątrz

R
Reynaprotector
Reynaprotector
Reynaprotector
Reynaprotector
Reynaprotector

XC
Siliconen met lage modulus, compatibel met structurele verlijming
Silicone à bas module, compatible avec le collage structurel
Low modulus silicone, compatible with structural bonding
Silikon mit niedrigem Elastizitätsmodul, kompatibel mit struktureller Verklebung
Silikon o niskim module sprezystosci, kompatybilny z silikonem strukturalnym

Inbraakwerend
Anti-vol
Burglar proof
Einbruchhemmend

Antywlamaniowe

Basisveiligheid
Securité de base
Basic safety
Basissicherheit

Antywlamaniowosc podstawowa

Testen uitgevoerd volgens norm DIN V ENV 1627
Essais effectués par conformément la norme DIN V ENV 1627
Tests carried out according to standard DIN V ENV 1627
Einbruchhemmende Prüfungen gemäß Norm DIN V ENV 1627

Badania wykonane wedlug normy DIN V ENV 1627

Testen uitgevoerd volgens norm NEN 5096 + ENV 1627
Essais effectués par conformément la norme NEN 5096 + ENV 1627
Tests carried out according to standard NEN 5096 + ENV 1627
Einbruchhemmende Prüfungen gemäß Norm NEN5096 + ENV1627

Badania wykonane norm NEN 5098 + ENV 1627

NEN 5098 + ENV 1627

Testen uitgevoerd door instituut IBS (Oostenrijk) volgens norm Ö B 3800/3850
Essais effectués par IBS(Autriche) conformément la norme Ö B 3800/3850
Tests carried out by IBS (Austria) according to standard Ö B 3800/3850
Brandschutzprüfungen durchgeführt beim IBS (Österreich) gemäß Norm Ö B 3800/3850

Badania wykonane przez IBS (Austria) wedlug norm Ö B 3800/3850

Testen uitgevoerd door instituut TNO (Nederland) volgens norm NEN 6069:1997
Essais effectués par TNO (Hollande) conformément la norme NEN 6069:1997
Tests carried out by TNO (The Netherlands) according to standard NEN 6069/1997
Brandschutzprüfungen durchgeführt beim IBS (Österreich) gemäß Norm Ö B 3800/3850

NEN 6069/1977
Badania wykonane przez TNO (Holandia) wedlug norm NEN 6069/1977

Brandwerend
Anti-feu
Fire-proof
Feuerhemmend

Ognioodporne

Testen uitgevoerd volgens norm EN 1634-1(deuren) en EN 1364-1 (beglaasde wanden)
Essais effectués par conformément la norme EN 1634-1(portes) et EN 1364-1(parois vitrés)
Tests carried out according to standard EN 1634-1(doors) EN 1364-1(glazed partitioning)
Prüfungen gemäß Norm EN 1634-1(Türen) und EN 1364-1(verglaste Wände)

Badania wykonane wedlug normy 1634-1 / EN 1364-1
-

Antifuoco secondo EN 1634-1 / EN 1364-1
-

Toebehoren brandwerend
Accessoires anti-feu
Fire-proof accessories
Feuerhemmender Zubehör

Akcesoria ognioodporne

Gelaagd glas
Verre feuilleté
Laminated glass
Verbundglas

Szyba laminiowana

Glas
Verre
Glass
Glas

Szyba

Handleiding
Manuel
Manual
Gebrauchsanweisung

Instrukcja

Alleen voor CS 59
Seulement pour CS 59
Only for CS 59
Nur für CS 59

Tylko do CS 59

Alleen voor CS 68
Seulement pour CS 68
Only for CS 68
Nur für CS 68

Tylko do CS 68

Pershoekverbinding
Equerre à sertir
Crimp corner cleat
Presseckverbinder

Narożnik zaciskany

Hoekverbinding met schroefhoek (*) enkel voor klembaar beslag
Equerre à blocage (*) seulement pour accessoires encastrables
Corner cleat with screw (*) only for clamping accessories
Eckverbinder mit Spannschraube (*) nur für klemmbaren Beschlag

Narożnik skrecany (*) tylko dla akcesoriow zatrzaskiwanych

T-verbinding met schroef
Jonction-T avec vis
T-bracket with screw
T-Verbinder mit Schraube

Lacznik teowy skrecany

T-verbinding met schroef voor buitendraaiend raam
Jonction-T avec vis pour fenêtre ouvrant vers l'ext.
T-bracket with screw outside opening window
T-Verbinder mit Schraube aussen öffnendes Fenster

Lacznik teowy skrecany do okien otwieranych na zewnatrz

Vulhoek
Equerre de remplissage
Corner support
Fülleckwinkel

Wspornik narozny

Steunhoek
Cale de feuillure
Rebate support
Glasanschlagwinkel

Katowy narożnik

Verstelbare schroefhoek
Equerre à visser réglable
Adjustable screw corner cleat
Verstellbarer Schraubeckwinkel

Katowy narożnik skrecany

Steunhoeken verstelbaar
Cales de feuillure réglables
Rebate supports adjustable
Verstellbare Eckwinkel Glasanschlag

Katowy narożnik nastawny

Hoekverbinding met nagel
Equerre avec cheville
Corner cleat with drive pin
Eckverbinder mit Stift

Lacznik narozny sworzniowy

T-verbinding met nagel
Jonction-T avec cheville
T-bracket with drive pin
T-Verbinder mit Stift

Lacznik teowy sworzniowy

T-verbinding met nagel voor buitendraaiend raam
Jonction-T avec cheville pour fenêtre ouvrant vers l'ext.
T-bracket with drive pin outward opening window
T-Verbinder mit Stift nach aussen öffnendes Fenster

Lacznik teowy sworzniowy do okien otwieranych na zewnatrz

Verstelbare T-verbinding
Jonction-T réglable
Adjustable T-bracket
Verstellbarer T-Verbinder

Lacznik teowy nastawny

Kruisverbindingen
Jonctions transversales
Cross connections
Kreuzverbindungen

Polaczenie krzyzowe

Kruisverbinding met schroef
Jonction transversale avec vis
Cross connection with screw
Kreuzverbindung mit Schraube

Polaczenie krzyzowe skrecane

Bevestiging drager
Fixation chevon
Fixation rafter
Beferstigung Dachsparren

Mocowanie krokwi

Alleen voor CS 77
Seulement pour CS 77
Only for CS 77
Nur für CS 77

Tylko do CS 77

	Eénpuntsluiting Fermeture à 1 point 1-Point lock Einfachverriegelung	Zamek 1-punktowy
	Eénpuntsluiting met dagschieter Fermeture à 1 point à pêne 1-Point lock with latch Einfachverriegelung mit Falle	Zamek 1-punktowy
	Eénpuntsluiting met rol Fermeture à 1 points à rouleau 1-Point lock with roller Einfachverriegelung mit Rolle	Zamek 1-punktowy z barylka
	Haakslot Serrure à crochet Hook lock Hakenschloss	Zamek hakowy
	Tweepuntsluiting Fermeture à 2 points 2-Point lock Zweifachverriegelung	Zamek 2-punktowy
	Driepuntsluiting Fermeture à 3 points 3-Point lock Dreifachverriegelung	Zamek 3-punktowy
	Driepuntsluiting met rol Fermeture à 3 points à rouleau 3-Point lock with roller Dreifachverriegelung mit Rolle	Zamek 3-punktowy z barylka
	Vierpuntsluiting Fermeture à 4 points 4-Point lock Vierfachverriegelung	Zamek 4-punktowy
	Vijfpuntsluiting Fermeture à 5 points 5-Point lock Fünffachverriegelung	Zamek 5-punktowy
	Vijfpuntsluiting met rol Fermeture à 5 points à rouleau 5-Point lock with roller Fünffachverriegelung mit Rolle	Zamek 5-punktowy z barylka
	Zespuntsluiting Fermeture à 6 points 6-Point lock Sechsfachverriegelung	Zamek 6-punktowy
	Zevenpuntsluiting Fermeture à 7 points 7-Point lock Siebenfachverriegelung	Zamek 7-punktowy
	Espagnoletslot Fermeture espagnolette Espagnolette Lock Treibriegelverschluss	Zamek drzwiowy do blokady pionowej
	Cilinders Cylindres Cylinders Zylinder	Cylindry
	Cilinderplaten Ecussons Cylinder covers PZ-Rosette	Oslona wkladki bebenkowej
	Slotpaden Gâches Receivers Schliessbleche	Gniazdo rygla zamka
	Deursluiters Ferme-porte Door closer Türschliesser	Samozamykacz drzwiowy

	Elektrische deuropener Gâche pour serrure électrique Electric door opener Elektrischer Türöffner	Elektrorygiel
	Deurgrendels en kantschuiven Verrous de condamnation portes Flush and door bolts Kantriegel und Türriegel	Rygle biernych skrzydel drzwiowych
	Geen elektrische spanning bij gesloten deur En cas de porte fermé pas des tension électrique No electric tension in case of closed door	Brak elektrycznego napiecia w przypadku zamknietych drzwi
	Keine elektrische Spannung bei geschlossen Tür	
	Raampompen Crémones Window handles Handhebel	Klamka okienna
	Deurkrukken Béquilles Door handles Türdrücker	Klamka drzwiowa
	Sluitingen dubbele deur Serrures pour porte double Locks for double door Türtreibriegel	Blokada drzwi dwuskrzydlowych
	Raampomp naar buiten draaiend raam Crémone fenêtre ouvrant vers l'extérieur Handle outward opening window Handhebel nach aussen öffnendes Fenster	Klamka okna otwieranego na zewnatrz
	Raamscharnieren Paumelles pour fenêtres Window hinges Fensterbänder	Zawias okienny
	Deurscharnieren 2-delig Paumelles porte 2-partite Door hinges 2-part Türbänder 2-teilig	Zawias drzwiowy 2-czesciowy
	Deurscharnieren 3-delig Paumelles porte 3-partite Door hinges 3-part Türbänder 3-teilig	Zawias drzwiowy 3-czesciowy
	Afstandsbussen Pièces de distance Set of distance bushes Distanzbuchsen	Tuleje dystansowe
	Geen afstandsbussen nodig Pas de pièces de distance No distance bushes needed Keine Distanzbuchse	Brak koniecznosci stosowania tuleji dystansowych
	Inbraakwerende kogel Bille anti-vol Anti-burglar ball Einbruchhemmende Kugel	Kulka antywlamaniowa
	Dieveklauw Pene anti-degondage Anti-lift pin Sicherheitsbolzen	Bolec antywywazeniowy
	Kozijndorpelveer Pivot de frein aerien Overhead closer Obentürschliesser	Samozamykacz gorny
	Vloerveer Pivot de frein au sol Floor closer Bodentürschliesser	Samozamykacz podlogowy

Eindstuk deurvleugel
Pièce finale ouvr. porte
End piece door vent
Endkappe Türflügel

Koncowka do skrzydla drzwiowego

Eindstukken bodemprofiel
Pièces finales profilé de seuil
End pieces floor profile
Endkappe Schwelle

Koncowki profilu podlogowego

Eindstukken Z-T deur
Bouchon profilé porte Z-T
End pieces Z-T door
Endkappe Z-T Tür

Element koncowy Z-T drzwi

Afdichtingen dorpels
Profilés latéral pour bavettes
Sill end pieces
Endstück für Wetterschenkel

Koncowki do profili podokiennych

Glassteunen
Supports cale de vitrage
Glazing supports
Klotzbrücken

Podporka pod przeszklenie

Afdekkap voor waterafvoersleuven
Capuchon écoulement d'eau
Weep hole cover
Abdeckkappe Entwässerung

Maskownica otworu drenazowego

Eindstukken stolpprofielen
Bouchons double ouvrant
End parts double casement profile
Endkappe Stulpprofil

Koncowka profilu ruchomego slupka

Koppelstuk
Piece de raccordement
Connection piece
Kopplungsstueck

Element Laczacy

Eindstukken voor stolpprofielen
Bouchons pièce finale pour profilé double ouvrant
End parts for double casement profiles
Endkappen für Stulpprofile

Koncowka profilu ruchomego slupka

Afdichting goot
Fermeture gouttière
End piece gutter
Endkappe Rinne

Koncowka rynny

Eindstuk
Piece finale
End piece
Endkappe

Koncowka

Stootplaat
Arrêt vitrage toiture
Glass panel stop
Endstück Verglasung

Ogranicznik wypelnienia

Veranda type 1
Veranda type 1
Veranda type 1
Veranda Typ 1

Weranda typu 1

Paniekdeur
Porte de panique
Panic door
Paniktür

Drzwi antypaniczne

Diversen
Divers
Miscellaneous
Diverse

Elementy uzupelniajace

Klemstuk
Clip
Clip
Federklemme

Uchwyt

Nokbevestiging
Fixation de la faîtière
Fixation of the ridge
Firstanschluss

Element mocujacy kalenicowy

Binnenbeglazingsdichting
Joint à bourrer
Inner glazing gasket
Innenverglasungsdichtung

Uszczelka przyszybowa wewnetrzna

Buitenbeglazingsdichting
Joint de vitrage extérieur
Outer glazing gasket
Aussenverglasungsdichtung

Uszczelka przyszybowa zewnetrzna

Buitenbeglazingsdichting
Joint de vitrage extérieur
Outer glazing gasket
Aussenverglasungsdichtung

Uszczelka przyszybowa zewnetrzna

Akoestische dichting
Joint acoustique
Acoustical seal gasket
Flügelaufschlagdichtung

Uszczelka akustyczna

Middendichtingen
Joints centraux
Central gaskets
Mitteldichtungen

Uszczelka centralna

Aanslagdichting
Joint de butée
Butt strip
Anschlagdichtung

Uszczelka

Dilatatiedichtingen
Joints de dilatation
Expansion gaskets
Dehnungsdichtungen

Uszczelka dylatacyjna

Dichting
Joint
Gasket
Dichtung

Uszczelka

Dichting
Joint
Gasket
Dichtung

Uszczelka

Afdichtingsstuk
Pièce d'étanchéité
Sealing piece
Dichtstück

Element uszczelniajacy

Opzwellende Dichting
Joint Gonflant
Swelling Gasket
Schwellende Dichtung

Uszczelka do werandy

Dichting veranda
Joint véranda
Gasket veranda
Dichtung Wintergarten

Uszczelka do werandy

Borsteldichtingen
Joints brosse
Brushes
Bürstendichtungen

Szczotki

Isolerend vulstuk
Pièce de remplissage isolante
Insulating filling piece
Isolierendes Füllstück

Wkladka izolacyjna

Einddichting
Joint d'assemblage
End gasket
Enddichtung

Uszczelka koncowa

Isolatie
Isolant
Insulation
Isolation

Izolacyjna

Brievenkleppen
Entrées de courrier
Letter boxes
Briefeinwurf

Skrzynka na listy

Automatische deurdichtingen
Fermetures automatiques
Automatic door latches
Automatische Türdichtungen

Drzwiowa automat. opadajaca listwa

Variant
Variante
Variant
Variante

Wariant

A

	Stolp-kipraam Fenêtre double ouvr.-batt. Double casem.-tilt window Stulpfenster D/DK	Okno rozwierano-uchylne dwuskrzydlowe
	Draaikip Oscillo-battant Turn and tilt Drehkipp	Okno rozwierno-uchylne
	Kipdraai Battantes-ouvrantes Tilt and turn Kippdreh	Okno uchylno-rozwierane
	Draairaam Fenêtre ouvrante Side-hung window Drehfenster	Okno rozwierane
	Stolpraam Fenêtre double ouvrant Double casement window Stulp-Flügel Fenster	Okno rozwierane wuskrzydlowe
	Valraam Fenêtre à soufflet Bottom hung window Kipp-Fenster	Okno uchylne
	Afstandbedieningen valraam Commandes à distance pour fenêtre à soufflet Remote control for fanlight window Oberlichtbeschlag für Kipp-Flügel	Mechanizm do dystansowego uchylania okien

	DRAAISCHUIFRAAM OUVRANT PROJETANT SIDE-HUNG SLIDING WINDOW DREHSCHIEBEFENSTER	
	Buitendraaiend raam Fenêtre ouvrant vers l'extérieur Outside opening window Nach aussen öffnendes Fenster	Okno otwierane na zewnatrz
	Uitzetzakraam Châssis à l'Italienne Top-hung window Senk-Klappfenster	Okno wychylne na zewnatrz
	Tuimel- en taatsraam Châssis pivotant Pivot window Schwingflügel	Okno obrotowe
	Vouwdeur Porte pliante Folding door Falttür	Drzwi harmonijkowe
	Schuifkip (TF) Coulissant-tombant (TF) Slide and tilt (TF) Schiebekipptür (TF)	Uchylno-przesuwny
	Schuifraam Fenêtre coulissante Sliding window Schiebefenster	Okno przesuwne
	Parallel opengaand raam Fenêtre ouvrant parallele Parallel opening window Parallelausstellfenster	Okno rownolegle wysuwane na zewnatrz
	Kipraam Fenêtre battante Tilt window Kippfenster	Okno uchylne
	Dubbele deur buitendraaiend Porte double ouvrant vers l'ext. Double door outward opening Zweiflügelige Tür aussen öffnend	Drzwi dwuskrzydlowe otw. na zew.
	Deur binnendraaiend Porte ouvrant vers l'int. Door inward opening Tür nach innen öffnend	Drzwi otw. do wewnatrz
	Deur buitendraaiend Porte ouvrant vers l'ext. Door outward opening Tür aussen öffnend	Drzwi otw. na zewnatrz

	Verankeringen Ancrages Fixing lugs Verankerungen	Kotwy
	Sluitpennen en sluitstukken Rouleaux et gâches Lock pins and lock plates Schliessrollen und Schliessstücke	Plytka i kolek ryglujacy
	Goot Gouttière Gutter Rinne	Rynna
	Dakvenster Tabatière Attic window Dachfenster	Okno dachowe
	Kunststof dakbedekking Toiture synthétique Synthetic roofing Kunststoff Dachdeckung	Wypelnienie poliweglanem na dachy
	Zelfklevende dubbelzijdige tape Bande autocollante 2 faces Self-adhesive double sided tape Selbstklebendes beidseitiges Band	
	Domotica Domotique Domotics Domotik	Domotica
	Profielen met hoge isolatiewaarde Profilés avec valeur d'isolation élevée Profiles with high insulation value Profile mit höhen Isolationswert	Profile o wysokiej izolacyjnosci termicznej
	Wielen Galets Rollers Laufwagen	Wozki
	Regeltringels Tringles de réglage Adjustment rods Regulierstange	Listwy regulacyjne
	Geleidingsplaat Guide Guide plate Führung	Element naprowadzajacy

	Gereedschap Outillage Tool Werkzeug	Narzedzie
	Gereedschappen en machines voor ontwatering van kader Outillage et machinerie pour drainage dormant Tools and machinery for draining outer frame Werkzeuge und Maschinen für Entwässerung Blendrahmen	Narzedzia i maszyny do drenazy oscieznic
	Gereedschappen en machines voor ontwatering van vleugel Outillage et machinerie pour drainage ouvrant Tools and machinery for draining vent Werkzeuge und Maschinen für Entwässerung Flügel	Narzedzia i maszyny do drenazy skrzydel
	Gereedschappen en machines voor T-verbinding Outillage et machinerie pour jonction-T Tools and machinery for T-brackets Werkzeuge und Maschinen für T-Verbinder	Narzedzia i maszyny do polaczen teowych
	Gereedschappen en machines voor krukuitsparing Outillage et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Narzedzia i maszyny do zamkniec
	Multifunctionele matrijs Matrice multifonctionnelle Multifunctional punch tool Mehrzweckstanzwerkzeug	Wykrojnik wielofunkcyjny
	Geleide matrijs Matrice guidée Punch tool Stanzwerkzeug	Wykrojnik
	Handmatig gereedschap Outillage manuel Manual tools Handwerkzeuge	Narzedzie reczne
	Freessjabloon Calibre de fraisage Stencil plate for milling head Fräseschablone	Szablon do frezarki
	Enkelkopse freesmachine Frais. à copier à une broche Copy router 1 spindle Einspindel-Kopierfräse	Frezarka z jedna glowica
	Frees- en boormachine Fraiseuse et foreuse Router and drilling machine Fräse- und Bohrgerät	Frezarka z wiertarka

	Hydropneumatische pers Presse hydropneumatique Hydropneumatic press Hydropneumatische Presse	Prasa hydropneumatyczna
	Zaagmachine Tronçonneuse Sawing machine Kreissäge	Pila do ciec przestrzennych
	Hoekenpers Sertisseuse Crimper Eckverbindungsmaschine	Zaciskarka narozy
	Handmatrijs Matrice manuelle Manual punch tool Handstanzwerkzeug	Wykrojnik reczny
	Gereedschap voor lijminjectie Outillage pour encollage Tool for injection Werkzeug fuer Klebeinjektion	Narzedzie do wtrysku kleju
	Gereedschap voor krukken Outillage pour cremones Tool for handles Werkzeug fuer Handhebel	Narzedzie do klamek
	Gereedschap voor sluitlatten Outillage pour tringles Tool for linkbars Werkzeug fuer Schubstange	Narzedzie do listew sterujacych okuciami
	Gereedschap voor T-verbindingen Outillage pour connections-T Tool for T-connections Werkzeug fuer T-Verbindungen	Narzedzie do polaczen Teowych
	Klemblokken Blocs de serrage Clamping blocks Spannbacken	Bloki zaciskowe
	Gereedschap voor ontwatering buitenkaders Outillage pour drainage dormants Tool for drainage outer frames Werkzeug fuer Entwaesserung Blendrahmen	Narzedzie do drenazy oscieznic
	Gereedschap voor hoekverbinding Outillage pour connection d'equerre Tool for corner connection Werkzeug fuer Eckverbindung	Narzedzie do polaczen narozynych
	Gereedschap voor montage Outillage pour montage Tool for assembly Werkzeug für Montage	Narzedzie do montazu
	Gereedschap voor deursluiter Outillage pour fermeture porte Tool for door closer Werkzeug für Türschliesser	Narzedzie do samozamykacza drzwiowego
	Gereedschap voor scharnieren Outillage pour charnieres Tool for hinges Werkzeug für Bänder	Narzedzie do zawiasy
	Gereedschap voor sloten Outillage pour fermetures Tool for locks Werkzeug für Schlösser	Narzedzie do zamka
	Gereedschap voor wisselprofielen Outillage pour chicanes Tool for sections Werkzeug für Wechselprofile	Narzedzie do przekrojow
	Gereedschap voor beglazing Outillage pour vitrage Tool for glazing Werkzeug für Verglasung	Narzedzie do przeszklen
	Gereedschap voor diverse toepassingen Outillage pour applications divers Tool for miscellaneous applications Werkzeug für diverse Anwendungen	Narzedzie do montazu elementow uzupelniajacych

A

Gereedschap voor dichtingen
Outillage pour joints
Tool for gaskets
Werkzeug für Dichtungen

Narzedzie do uszczelki

Gereedschap voor bevestiging wielen
Outillage pour fixation des roulettes
Tool for fixation rollers
Werkzeug für Befestigung Laufräder

Narzedzie do montazu wozkow

Gereedschap voor ontwatering vleugels
Outillage pour drainage ouvrants
Tool for drainage vents
Werkzeug für Entwässerung Flügel

Narzedzie do drenazu skrzydla

Uitfrezing voor inbouw bovenspeun in kozijn
Fraisage pour encastrement gond supérieur dans la fenêtre
Milling for building in upper pivot in window
Ausfräsung für Einbau eines oberen Lagers im Rahmen

Frez do montazu gornego sworznia w oknie

Uitfrezing voor inbouw vloerspeun in vleugel
Fraisage pour encastrement gond inférieur dans l'ouvrant
Milling for building in floor pivot in vent
Ausfräsung für Einbau eines Bodenlagers im Flügel

Frez do montazu dolnego sworznia w skrzydle

Uitfrezing voor inbouw bovenspeun in vleugel
Fraisage pour encastrement gond supérieur dans l'ouvrant
Milling for building in upper pivot in vent
Ausfräsung für Einbau eines oberen Lagers im Flügel

Frez do montazu gornego sworznia w skrzydle

Monteertafel
Table de montage
Assembly bench
Montagetisch

Stol montazowy

Elektrische aansluiting
Fixation électrique
Electric connection
Elektrisches Anschluss

Polaczenie elektryczne

Compressor
Compresseur
Compressor
Kompressor

Kompresor

Kogel Dr. Hahn
Bille Dr. Hahn
Ball Dr. Hahn
Kugel Dr. Hahn

Kulka Dr. Hahn

Mechanische aansluiting
Fixation mecanique
Mechanical connection
Mechanischer Anschluss

Polaczenie mechaniczne

Pneumatische aandrijving
Propulsion pneumatic
Pneumatic drive
Pneumatische Antrieb

Pneumatyczny naped

Ponsunit
Unité d'étamper
Punch unit
Stanzeinheit

Wykrojnik

Land
Pays
Country
Land

Kraj

Min. profiellengte
Longueur min. de profilé
Min. length of profile
Min. Profillänge

Minimalna dlugosc profilu

Max. profiellengte
Longueur max. de profilé
Max. length of profile
Max. Profillänge

Maksymalna dlugosc profilu

Max. profielhoogte
Hauteur max. de profilé
Max. height of profiles
Max. Profilhöhe

Maksymalna wysokosc profilu

Max. horizontale beweging
Movement max. horizontale
Max. horizontal movement
Max. horizontale Versetzung

Maksymalny ruch poziomy

Horizontaal hoekbereik
Intervalle d'équerre horizontale
Horizontal corner range
Eckbereich Horizontal

Zakres katow poziomych

Verticaal hoekbereik
Intervalle d'équerre verticale
Vertical corner range
Eckbereich Vertikal

Zakres katow pionowych

Motor
Moteur
Motor
Antrieb

Silownik napedowy

Gewicht
Poids
Weight
Gewicht

Ciezar

Max. toerental
Vitesse d'axe max.
Max. spindle speed
Max. Drehzahl

Maksymalna predkosc obrotowa

B

Reynaers Aluminium

Algemene informatie systemen
Généralités séries
General Information System
Allgemeine Information System

VERWERKINGSVOORSCHRIFTEN

I. ALGEMEEN

Zie catalogus “1.Algemene informatie” (AD.089.C01G.00 editie 09/2018)

II. VERWERKINGSVOORSCHRIFTEN CW 50 & CW OPENGAANDE ELEMENTEN

II.1 CONSTRUCTIEVOORSCHRIFTEN

Om blijvend een perfect eindproduct te garanderen, dienen tijdens de verwerking bepaalde regels in acht genomen te worden.

II.1.1 Verspanende bewerkingen

Onder verspanende bewerkingen wordt verstaan: alle mechanische bewerkingen zoals zagen, frezen, boren, ponsen en knippen.Voor gelakte profielen is het essentieel dat de laklagen aan de randen niet loskomen tijdens deze bewerkingen.
Het is daarom van groot belang voor de kwaliteit van de verbindingen dat:
- het verspanende gereedschap geschikt en voldoende scherp is;
- de machines goed afgeregeld zijn (bv. toerental);
- een regelmatige controle van het gereedschap gebeurt;
- het verspanende gereedschap correct en voldoende gesmeerd wordt: smeerstift (art. nr. 086.9191.--) voor zaagbladen, snijmiddel SPRAY(art. nr. 086.9175.--) voor ponsgereedschap of de door de machineleveranciers voorgeschreven koel- en smeermiddelen;
- de gepaste klemblokken worden gebruikt;
- de aan- en afvoertafel vrij zijn van spanen en verontreinigingen;
- eventuele koeling gebeurt met chemisch neutrale producten die de oppervlaktebehandeling niet aantasten.

Het verdient aanbeveling om spanen die ontstaan tijdens het verspanen af te zuigen. Alle zaagsnedes die een verbinding vormen zoals: hoek- en T-verbindingen, dienen beschermd te worden met Reynaprotector (art.nr. 086.9206.SY + 095.P200.--). Andere zaagsnedes zoals: glaslatten, klemlijsten,... dienen beschermd te worden met Reynaers Anti-corro (art.nr.086.9606.--), alsook freessnedes, boorgaten, ponsgaten,…

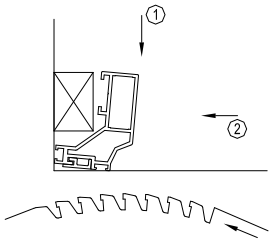
Positie/klemming van de profielen tijdens het zagen:

De positie van de profielen op de zaagtafel tijdens het verzagen is zeer belangrijk en is de basis om perfecte verstekken te bekomen na montage van raam of deur.
De grootste druk moet steeds op de ‹referentiezijde› van de profielen uitgeoefend worden.
De ‹referentiezijde› moet perfect horizontaal of verticaal op de zaagtafel geplaatst worden.
De klemblokken moeten gebruikt worden:
a. om te vermijden dat speling op de profielen de kwaliteit van het verstek zou beïnvloeden;
b. om te vermijden dat de profielen zouden kantelen op de tafel.

Referentiezijde -> <- Referentiezijde

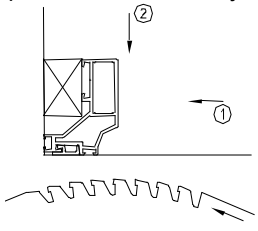
FOUTIEVE KLEMMING

FOUT: De hoofdklemming drukt op de zichtkant van het te verzagen profiel en het profiel kantelt.
GEVOLG: Scheve zaagsnede - de buitenzijde is korter dan de binnenzijde.
RESULTAAT: Bij het persen van de hoeken is het verstek aan de binnenzijde keurig dicht en gaapt aan de buitenzijde.



JUISTE KLEMMING

De hoofdklemming drukt op de sponningzijde. De zichtkant ondergaat een kleinere, secundaire druk.
Het profiel heeft niet de neiging te kantelen of te vervormen tijdens het zagen, en het persen van de in verstek gezaagde profielen kan probleemloos verlopen.
Opmerking:
Het verdient aanbeveling om spanen die ontstaan tijdens het zagen af te zuigen.



II.1.2 Assemblage

Algemene toepassing:

De assemblage van de draag- en dwarsprofielen gebeurt door het gedeeltelijk hoger plaatsen van de dwarsprofielen op de draagprofielen. Deze methode laat de drainage van de dwarsprofielen in de draagprofielen toe, zonder dat de verticale drainagekamer onderbroken wordt. In de dichtingskanalen wordt een EPDM-einddichting aangebracht dat het draag- en dwarsprofiel afdicht zonder gebruik te maken van siliconen. De ingewerkte dwarsprofielen worden met roestvrij stalen schroeven bevestigd. Het niveauverschil van de dichtingskanalen, dat ontstaat door het hoger plaatsen van de dwarsprofielen, wordt opgevangen door het gebruik van verschillende beglazingsdichtingen in de draag- en dwarsprofielen. Ondanks hun dikteverschil is het binnenzicht in de dichtingslengte gelijk.
Dit wordt gerealiseerd door de L-vorm van de dichting van het dwarsprofiel.

Wij maken de volgende onderverdeling in bewerkingen tijdens assemblage :
1. hoekverbindingen;
2.T-verbindingen;
3. langsverbindingen;
4. ontwatering en uitsparingen voor het beslag;
5. dichtingen

1.2.1 Hoekverbindingen van de kaders en vleugels (vulelementen)

B

Stappen:
a. Correct zagen, ponsen of boren.
b. Beschermen van de bewerkte vlakken door:
- ontbramen (indien noodzakelijk);
- verwijderen van stof en zaagresten op de bewerkte vlakken en in de profielkamer;
- ontvetten (REYNAFINISH 60 art.nr. 086.9210.--);
- aanbrengen van anticorrosieproduct (REYNAPROTECTOR art.nr. 086.9206.SY en SCHUIMROL 095.P200.--); droogtijd: ca. 1 uur.
c. Afdichten: op de bewerkte vlakken een neutraal, elastisch dichtingsmiddel aanbrengen.
d.Verlijmen: aanbrengen van een goedgekeurde dichtingslijm
(REYNASEAL DUO art. nr. 084.9080.--):
- in de profielkamer;
- op de plaats waar de steunhoek komt.
e. Verbinding tot stand brengen: de hoekstukken kunnen ingebracht worden en vervolgens wordt de mechanische hoekverbinding tot stand gebracht, hetzij door persen, hetzij door schroeven/vernagelen.
f. De samengevoegde elementen dienen enkel aan de zichtvlakken gereinigd te worden van lijmresten en dit uitsluitend met een niet-agressief middel (REYNAFINISH 60 art. nr. 086.9210.--).
Opmerking: Bij verlijming door injectie worden de elementen eerst samengevoegd en gebeurt de verlijming /afdichting in een volgende stap.

1.2.2 T-verbinding van de draagstructuur

Stappen:
a. Correct zagen, ponsen of boren:
b. Beschermen van de bewerkte vlakken door:
- ontbramen (indien noodzakelijk);
- verwijderen van stof en zaagresten op de bewerkte vlakken en in de profielkamer;
- ontvetten (REYNAFINISH 60 art.nr. 086.9210.--);
- aanbrengen van anticorrosieproduct (REYNAPROTECTOR art.nr. 086.9206.SY en SCHUIMROL 095.P200.--);); droogtijd: ca. 1 uur.
c. Afdichten: door middel van een einddichting.
-bij een temperatuurverschil van 20° op een alu. profiel van 1m krijgen we een lengteverschil van +/- 0.5mm.

Bijgevolg kan men zeggen dat er voor een dwarsprofiel kleiner dan 1m het niet noodzakelijk is om een einddichting (uitponsing 15mm in plaats van 18mm) te plaatsen, maar dat het wel noodzakelijk is de einddichtingen te plaatsen wanneer de dwarsprofielen langer zijn dan 1m, dit om spanningen op de profielen te vermijden. Bij het werken zonder einddichting raden we aan de uitsparing te vervaardigen met uithoekzaagmachine (ref. 095.D440.00) zodaning de afwerkingsgraad te verhogen.
d. Verbinding tot stand brengen,T-verbinder monteren en vastschroeven.
e. De samengevoegde elementen dienen enkel aan de zichtvlakken gereinigd te worden van lijmresten en dit uitsluitend met een niet-agressief middel (Reynafinish 60 art. nr. 086.9210.--).

1.2.3 Langsverbindingen (zie tekening bladzijden 51.f.... .)

Stappen:
a. Correct zagen en boren.(min. lengte = 1000mm)
b. Beschermen van de bewerkte vlakken door:
- ontbramen (indien noodzakelijk);
- verwijderen van stof en zaagresten op de bewerkte vlakken en in de profielkamer;
- ontvetten (REYNAFINISH 60 art.nr. 086.9210.--);

- aanbrengen van anticorrosieproduct (REYNAPROTECTOR art.nr. 086.9206.SY en SCHUIMROL 095.P200.--);); droogtijd: ca. 1 uur.
c. Anti-kraakrubber (art.nr. 080.9503.04 EN 080.9903.04) aanbrengen in het koppelprofiel.
d. Verbinding tot stand brengen: op het koppelprofiel dient een polypropyleen folie aangebracht te worden, vervolgens worden de profielen samengebracht en wordt een elastisch dichtingsmiddel aangebracht.(SILICONE f.i.: 084.9063.XX)
e. ontwatering langsverbindingen, zie 51.F…
f. De samengevoegde elementen dienen enkel aan de zichtvlakken gereinigd te worden van lijmresten en dit uitsluitend met een niet-agressief middel (Reynafinish 60 art. nr. 086.9210.--).

1.2.4 Ontwatering,ontluchting en uitsparingen voor het beslag
Stappen:

a. Aftekenen uitsparingen
b. Correct ponsen, boren of frezen.
c. Beschermen van de bewerkte vlakken door:
- ontbramen (indien noodzakelijk);
- verwijderen van stof en spanen;
- ontvetten (REYNAFINISH 60 art.nr. 086.9210.--);
- aanbrengen van anticorrosieproduct (REYNAPROTECTOR art.nr. 086.9206.SY en SCHUIMROL 095.P200.--); droogtijd: ca. 1 uur.

Aandachtspunten bij de ontwatering / ontluchting : (zie 51.F…)
- Eventueel binnendringend water moet vlot en gecontroleerd kunnen afgevoerd worden en de druk in de binnenkamers moet gelijk blijven aan die van de buitenlucht.

Bij elk raam worden er ontwateringsopeningen voorzien met een maximale afstand tot de hoek van 250 mm:
2 openingen tot raambreedte van 1000 mm
3 openingen tot raambreedte van 1500 mm enz... opgaand per 500 mm.

Ontwaterinsopeningen in dwarsprofiel: (zie 51.F...)
- Tot 1200mm tussenafstand van de dragers, ontwatering via draagprofielen
- 1 centrale opening wanneer tussenafstand van dragers kleiner is dan 1500mm
Boven 1500mm tussenafstand van de dragers is de maximale tussen afstand van de ontwateringsopeningen 500mm met een maximale afstand van 500mm tot de hoek.
- Bij gebruik van (Butyl) tape in de horizontale sectie, worden ontwateringsgaten voorzien:
2 openingen op uiteinde van het klemprofiel
- De minimale oppervlakte van deze openingen bedraagt 50 mm² per opening, hetzij een ronde opening van minimum 8 mm diameter, hetzij langwerpige openingen van minimaal 5 mm bij 15 mm.
- Aan de zijkant bovenaan van de vleugel worden steeds minstens 2 openingen van minimum 5 mm geboord.
De functie hiervan is de drukegalisatie rond de beglazing te waarborgen.
- Steeds op het laagste punt van de glassponning afwateren.

1.2.5 Dichtingen
Alle dichtingsrubbers zijn van weer- en verouderingsbestendig EPDM. De verwerking ervan dient zorgvuldig te gebeuren, aangezien hiervan de dichtheid van devleugel afhangt.

Het aanbrengen van de beglazingsdichtingen
Stappen:
1. Correct versnijden: het versnijden van de beglazingsdichting dient met een speciale schaar (art.nr. 090.0121.UN) te gebeuren en de dichting kan naargelang de soort profielverbinding in verstek of recht versneden worden. Benodigde overlengte (ca 10 mm per meter) dient voorzien te worden.
2. Aanbrengen dichting: de dichtingen worden aangebracht in de daarvoor voorziene groeven van de profielen; de overlengte wordt lichtjes opgestuikt om uitzetten of krimpen op te vangen. Moeilijkheden bij het inbrengen kunnen opgevangen worden met siliconenspray (art.nr. 086.9551.--).
3. Verlijmen (afdichten): de snedes dienen ontvet te worden met Reynears Safety Clean (art.nr. 086.9231.--) en Reynaers primer seal & bond special (086.9232.--) en de aansluitingen dienen verlijmd te worden met vulkaniseerlijm Reynafix (art.nr. 084.9108.--). Doordat de verbinding elastisch blijft, sluit de dichting ook in de hoeken perfect aan

II.2 MONTAGEVOORSCHRIFTEN

Voortvloeiend uit de aard van het systeem, met name de plaatsing van glaspanelen op een draagstructuur, is de positionering van de draagstructuur zelf en de plaatsing van de elementen hierop uiterst belangrijk met oog op een correcte bevestiging en het bekomen van een gevelstructuur met goede wind- en waterdichtheid. De toleranties moeten dan ook tot het strikte minimum beperkt worden (maximale afwijking grootte-orde 1 à 2 mm t.o.v. de nominale asmaat).
De gevelstructuur mag noch een statische, noch een dynamische spanning op de beglazing uitoefenen. De maximum doorbuiging onder invloed van de wind mag niet meer dan 1/200ste bedragen, met een maximum van 15mm.
De maximum doorbuiging van de dwarsprofiel onder invloed van het eigen gewicht van de vulling bedraagt 3mm.
Hellende en geknikte gevel

Bij hellende en geknikte gevels wordt steeds een alu. butylband op het glas gekleefd
(art. nr. 084.9711.04; 084.9712.04 of 084.9713.04). Verwerking van de aluminium butylband moet gebeuren bij temperatuur tussen +5°C en +40°C. Het oppervlak moet droog en proper zijn.
Voor een hellende gevel is men verplicht een veiligheidsglas te nemen (zie voorschriften van de glasleverancier). Minimum dakhelling moet 5° zijn,zonder bewegende onderdelen.

II.2.1. Inbouw in de ruwbouw

Het gevelelement wordt door middel van verankeringen aan de dragende ruwbouw verbonden. Het aantal, de plaats en de wijze van verankering moet zodanig zijn dat de krachten die op het gevelelement worden uitgeoefend, goed op de omringende bouwkundige constructies kunnen worden overgedragen. Deze krachten kunnen onder andere zijn: windbelasting, eigen gewicht, gebruiksbelasting, zonwering, radiatoren, glazenwassersinstallaties, enz...
De verankering mag geenszins het draagvermogen van de aangrenzende bouwonderdelen beinvloeden. De plaats en uitvoering van de ankers of andere bevestigingsmiddelen dienen zodanig te zijn dat het element niet door de bouwkundige constructie kan worden belast en dat het element niet wordt gedeformeerd.
Lengteveranderingen, veroorzaakt door temperatuurwisselingen, moeten ongehinderd kunnen plaatsvinden.
Ook de toegelaten toleranties van de ruwbouw moeten kunnen worden opgenomen door de gevelconstructie en de verankeringen zonder dat waterlekkage ontstaat of te veel luchtinfiltratie optreedt.De verankeringsconstructie zal hiertoe voldoende instelmogelijkheden moeten bezitten om het inpassen tijdens de montage mogelijk te maken.
B
Verankeringen mogen verder het goed functioneren van de beweegbare delen en het hang- en sluitwerk niet belemmeren.
Bewegingen tussen ruwbouw en gevelelementen mogen niet tot gevolg hebben dat er hinderlijke geluiden door verankeringen worden veroorzaakt.
Soms kunnen verankeringen koudebruggen vormen. Het zal dan noodzakelijk zijn om de warmtestroom zo veel mogelijk te beperken. Hierbij dient men zich ervan te verzekeren dat de mechanische sterkte nog voldoende is.
Alle verankeringen, voor zover niet uit aluminium of roestvrij staal, dienen afdoende tegen corrosie te zijn beschermd en mogen zelf ook geen aantasting van het aluminium veroorzaken. Om de verbinding tussen de ruwbouw en de dichting 080.9800.04 te verwezelijken gebruiken we afdichtingspasta 084.9104.04(deze is niet geschikt op zachte pvc)

II.2.2. Transport

Om gemonteerde elementen te verplaatsen of te transporteren naar de werf moeten de elementen verstevigd worden om beschadigingen te voorkomen.

II.2.3. Inbouw van beslag

Keuze van bevestigingspunten, aantal sluitpunten, aantal scharnieren, max. vleugelgewicht, max. vleugelafmetingen, toegepast vleugelgewicht, e.a. dient te gebeuren volgens de richtlijnen van de systeemleverancier en de beslagfabrikant.
Glijdende en bewegende delen zijn van neutraal vet te voorzien.
Bij montage controleren of het beslag soepel en zonder hapering te bedienen is.

II.2.4. Inbouw van MOTOREN

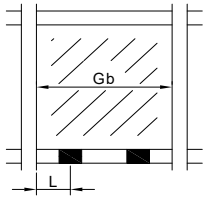
De keuze van de motoren voor THW en POW met betrekking tot de vleugelafmetingen staat weergegeven in hoofdstuk E en F. Dit volgens de richtlijnen van D+H mechatronic.
De technische info ivm de verbinding tussen de verschillende motoren en de aansluiting op een elektrische kring moet verkregen worden via D+H mechatronic.

II.3 BEGLAZING

Het CW 50-systeem is ontworpen voor beglazing met EPDM-rubbers.

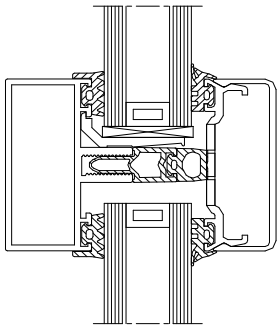
Het toegepaste beglazingssysteem is het zogenaamde drukvereffende beglazingssysteem.
Bij dit systeem wordt een zekere mate van watertoetreding in de constructie toegestaan. Het eventueel naar binnengedrongen water dient op een gecontroleerde wijze naar buiten te worden afgevoerd via de vertikale draagprofielen of via de waterafvoergaten in de kappen en klemprofielen van de horizontale profielen.
De volgende aspekten zijn zeer belangrijk bij dit beglazingssysteem:
- De binnendichting dient zo goed mogelijk luchtdicht te zijn.
- De buitendichting dient zodanig te worden uitgevoerd dat watertoetreding in de sponning zoveel mogelijk voorkomen wordt. Hiervoor dienen we de rubbers op te stuiken zodat vermeden wordt dat er daarna openingen ontstaan in de hoeken.
- Voor het plaatsen van het glas dient rekening te worden gehouden met een speling van minimum 10 mm op het aluminium raam (5 mm per zijde).
-De glasinklemming in de gevel is minimum 13mm, afhankelijk van de toepassing. Zie hievoor naar de aanduiding in de glastabellen.

Bevestiging van de beglazing
Geen enkel glaspaneel mag rechtstreeks in contact komen met het aluminium zonder tussenplaatsing van beglazingsblokjes en een rubberdichting.
Bij isolatieglas dienen beide glasbladen gelijkmatig ondersteund te worden.



Gb/10<L<Gb/4
Lmin=100mm

De steunblokjes, die door een aluminium glassteunprofiel worden gedragen, zijn bedoeld om het gewicht van het glas over te brengen op de profielen en dienen bij voorkeur op een afstand van 0,25 tot 0,1 maal de lengte van de glasbreedte (minimaal 100 mm) uit het hoekpunt van het glas te worden geplaatst.
Hierbij wordt uitgegaan van het midden van deze blokjes.
Glasklem 073.8203.04 wordt enkel gebruikt als tijdelijk bevestiging van het glas, de klemprofielen kunnen dan op een juiste manier aangebracht worden. De klemprofielen zijn ontworpen om de wind- en gewichtsbelasting op te nemen.



Om de doorbuiging van het dragende profiel onder invloed van het glasgewicht te beperken is het aan te raden de glassteunen zo ver mogelijk naar de glashoeken te plaatsen, rekening houdend met de hierboven vernoemde beperkingen.
Door het aanbrengen van een PVC-ontwateringsprofiel in combinatie met een afdichtingsrubber beletten we dat het binnengedrongen water op de randen van het onderliggende glaspaneel terrecht komt.

Door het aanbrengen van ontwateringsgaten in het klemprofiel, juist boven de afdichtingsrubber, evacueren we het binnengedrongen water.
Na het plaatsen van het glas op de draagstructuur worden de klemprofielen aangebracht. De klemprofielen worden door middel van SPECIALE schroeven om de 300mm vastgeschroefd in een daarvoor voorzien kanaal op de draagstructuur. Om een voldoende afdichting van het systeem te bekomen, dienen deze schroeven met een aandraaimoment van 400 Ncm te worden vastgezet.
Voor de montage van glas is het van noodzakelijk belang dat de gebruiks en compatibiliteitsvoorschriften van de glasleverancier geverifieerd worden.Op die manier kunnen de eigenschappen van de verschillende glassoorten gegarandeerd worden.

II.4 TECHNISCHE INLICHTINGEN

Het is noodzakelijk om elke constructie te berekenen op sterkte en stijfheid. In deel B van deze catalogus staan enkele tabellen en grafieken ter informatie.
Elke alu. gevel waarvan de bouwhoogte hoger is dan 25m van de begane grond heeft een aarding nodig. Wanneer de profielen onderbroken worden door een uitzetvoeg moeten deze met elkaar verbonden worden. (zie catalogus deel F hoofdstuk dilatatie).

II.5 VERWERKING VAN CW 50-STRUCTURAL CLAMPED (CW 50-SC)

II.5.1. DICHTINGEN

Alle dichtingsrubbers zijn van weer- en verouderingsbestendig EPDM. De verwerking ervan dient zorgvuldig te gebeuren, aangezien hiervan de dichtheid van de vleugel afhangt.

Het aanbrengen van de beglazingsdichtingen
Stappen:
1. Correct versnijden: het versnijden van de beglazingsdichting dient met een speciale schaar (art.nr. 090.0121.UN) te gebeuren en de dichting kan naargelang de soort profielverbinding in verstek of recht versneden worden. Benodigde overlengte (ca 10 mm per meter) dient voorzien te worden.
2. Aanbrengen dichting: de dichtingen worden aangebracht in de daarvoor voorziene groeven van de profielen; de overlengte wordt lichtjes opgestuikt om uitzetten of krimpen op te vangen. Moeilijkheden bij het inbrengen kunnen opgevangen worden met siliconenspray (art.nr. 086.9551.--).
3. Verlijmen (afdichten): de snedes dienen ontvet te worden met Reynears Safety Clean (art.nr. 086.9231.--) en Reynaers primer seal & bond special (086.9232.--) en de aansluitingen dienen verlijmd te worden met vulkaniseerlijm Reynafix (art.nr. 084.9108.--). Doordat de verbinding elastisch blijft, sluit de dichting ook in de hoeken perfect aan.
Hoekstukken worden eveneens aan de uiteinden verlijmd met vulkaniseerlijm.

II.5.2. MONTAGE VOORSCHRIFTEN

Voortvloeiend uit de aard van het systeem, met name de plaatsing van glaspanelen op een draagstructuur is de positionering van de draagstructuur zelf en de plaatsing van de elementen hierop uiterst belangrijk met het oog op een correcte bevestiging en het bekomen van een gevelstructuur met goede wind- en waterdichtheidseigenschappen. De toleranties moeten dan ook tot het strikte minimum beperkt worden (maximale afwijking grootte-orde 1 à 2 mm t.o.v. de nominale asmaat).
De gevelstructuur mag noch een statische, noch een dynamische spanning op de beglazing uitoefenen. De maximum doorbuiging onder invloed van de wind mag niet meer dan 1/200ste bedragen, met een maximum van 15mm.
De maximum doorbuiging van de dwarsprofiel onder invloed van het eigen gewicht van de vulling bedraagt 3mm.

5.2.1 Inbouw in de ruwbouw

Het gevelelement wordt door middel van verankeringen aan de dragende ruwbouw verbonden. Het aantal, de plaats en de wijze van verankering moeten zodanig zijn dat de krachten die op het gevelelement worden uitgeoefend, goed op de omringende bouwkundige constructies kunnen worden overgedragen. Deze krachten kunnen onder andere zijn: windbelasting, eigengewicht, gebruiksbelasting, zonwering, radiatoren, glazenwassersinstallaties, enz…

De verankering mag geenszins het draagvermogen van de aangrenzende bouwonderdelen beïnvloeden. De plaats en uitvoering van de ankers of andere bevestigingsmiddelen dienen zodanig te zijn dat het element niet door de bouwkundige constructie kan worden belast en dat het element niet wordt gedeformeerd. Lengteveranderingen, veroorzaakt door temperatuurwisselingen, moeten ongehinderd kunnen plaatsvinden. Ook de toegelaten toleranties van de ruwbouw moeten kunnen worden opgenomen door de gevelconstructie en de verankeringen zonder dat waterlekkage ontstaat of te veel luchtinfiltratie optreedt. De verankeringsconstructie zal hiertoe voldoende instelmogelijkheden moeten bezitten om het inpassen tijdens de montage mogelijk te maken. Verankeringen mogen verder het goed functioneren van de beweegbare delen en het hang- en sluitwerk niet belemmeren. Bewegingen tussen ruwbouw en gevelelementen mogen niet tot gevolg hebben dat er hinderlijke geluiden door verankeringen worden veroorzaakt.

Soms kunnen verankeringen koudebruggen vormen. Het zal dan noodzakelijk zijn om de warmtestroom zo veel mogelijk te beperken. Hierbij dient men zich ervan te verzekeren dat de mechanische sterkte nog voldoende is.

Alle verankeringen, voor zover niet uit aluminium of roestvrij staal, dienen afdoende tegen corrosie te zijn beschermd en mogen zelf ook geen aantasting van het aluminium veroorzaken.

Afhankelijk van de situatie en de gekozen klemprofielen moet het aantal dilatatievoegen en de maximale afstand tussen de dilatatievoegen worden berekend.De kleinste klemprofielen (type 034.0130.00 & 034.0138.00)kan niet hoger zijn dan +4mm de langere klemprofielen (type 034.0175.00 &034.0176.00) kan niet hoger zijn dan +4mm of -6mm.Aanvullende details zijn te vinden op pagina's 51.F. ...

B

5.2.2 Inbouw van de opengaande vleugels (vulelementen)en borstweringselementen

Voor de plaatsing van de vleugels op de draagstructuur verwijzen wij naar de catalogus blz 51.E... .

5.2.3 Inbouw van het beslag

Keuze van bevestigingspunten, aantal sluitpunten, aantal scharnieren, max. vleugelgewicht, max. vleugelafmetingen, toegepast vleugelgewicht, e.a. dient te gebeuren volgens de richtlijnen van de systeem-leverancier en de beslagfabrikant. Glijdende en bewegende delen zijn van neutraal vet te voorzien. Bij montage controleren of het beslag soepel en zonder hapering te bedienen is.

Voor specifieke inbouwdetails verwijzen wij naar de catalogus blz 51.F.... .

II.5.3. BEGLAZING

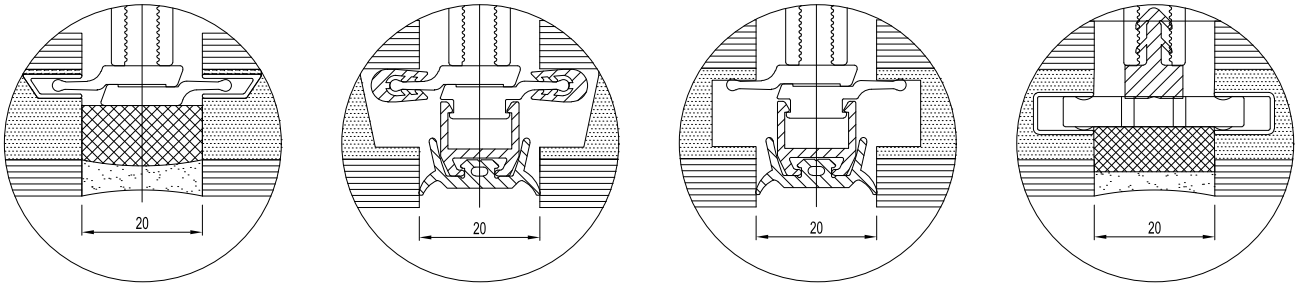
5.3.1 Algemeen

Het CW 50 gevelsysteem dient als basis voor het glasgevelsysteem CW 50-SC. Het CW 50-SC systeem is een plaatsingsmethode om volledig gladde daken en gordijngevels te bekomen. Een reeks klemprofielen, die vastgeschroefd worden in de schroefkanalen van de draagstructuur, drukken de ruit tegen de op het aluminium raamwerk bevestigde EPDM-rubbers. Dit is mogelijk dankzij de uitsparing voorzien in de assemblagevoeg van de dubbele beglazing.

(patent dubbele beglazing met U-profiel Glaverbel. Indien door andere firma's geleverd, is de goedkeuring van de Technisch Directeur van Reynaers Aluminium nodig.)

De uitsparing kan worden uitgevoerd in 4 verschillende types namelijk: met U-profieltje voorzien tijdens fabricage ofwel vrije binnenglaspaat zodanig klemming kan gebeuren gecombineerd met EPDM dichting gemonteerd op het klemprofiel ofwel silicone wand op binnenglasplaat zondanig klemming kan gebeuren direct op siliconewand.

Door de spleten tussen de glaspanelen met siliconen te vullen is het mogelijk een dak te maken met een helling van 7° (ETAG 002).



a. Ondersteuning van het eigengewicht:

Het eigengewicht van de twee glasbladen dient te worden opgevangen door steunblokjes van gepolymeriseerde siliconen (minimum shore A75 op 20°C). Per beglazing dienen twee steunblokjes op minimaal 50 mm van de hoeken geplaatst te worden. De lengte van de steunblokjes (in mm) wordt als volgt berekend :

$$L = \frac{S \times 250}{R}$$

L = lengte van het steunblokje (mm)
S = oppervlakte van de beglazing (m²)
R = toegestane druk op het steunblokje (N/cm²)
(gepolimeriseerde siliconen shore A80 : R = 9 N/cm²).

Als het een dak betreft moet L vermenigvuldigd worden met de sinus a (a = de hellingshoek van het dak ten opzicht van het horizontaal vlak). Het buitenblad moet minstens voor de helft van zijn dikte ondersteund worden. In geval van gelaagde beglazing moet minstens de helft van de meest buiten gelegen glasplaat ondersteund zijn. De PVB-lagen zijn immers niet ontwikkeld om een continue afschuifbelasting op te vangen. De geïsoleerde beglazingen worden door middel van siliconen samengevoegd en maakt deel uit van een technische goedkeuring.

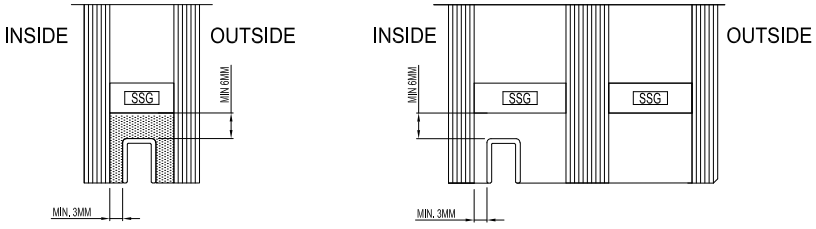
Terminologie:
d1 = dikte buitenruit
de = breedte van de afstandhouder min. 15 mm
d2 = dikte binnenruit: min. 6 mm
l = hoogte van het U-profiel: 10 mm
r = hoogte van de structurele voeg
e = hoogte van de afstandhouder
h = l + r + e
d1 + de + d2 : max. 40 mm
Opmerking: de randen van de buitenruit zijn geslepen. De randen van de binnenruit zijn normaal afgescherpt tenzij anders besteld.

b. Fabricagemogelijkheden:

De toleranties op de glasmaten bedraagt +/- 2 mm.
Voor de uitvoering van de buitenste glasplaat komt zowel float glas, durci, gehard als gelaagd glas in aanmerking.
De uitvoering van de binnenste glasplaat mag nooit volledig uitgehard zijn, uitgezonderd voor situaties zoals in sectie 5.3.1 c, dezelfde uitzondering voor het halfgehard (durci) glas.
. Voor glas met verhoogde breukweerstand komt in dit geval voor de binnenste glasplaat uitsluitend halfgehard (durci) in aanmerking, met uitzondering van de panelen welke niet toegankelijk zijn via de binnenzijde van het gebouw, de "borstwering" waar geen risico bestaat op impact.
Voor het binnenblad is eveneens gelaagd glas toegelaten.
Het dichtspuiten van de voegen tussen de ruiten gebeurt met elastische siliconen, aangebracht tegen kunststofprofiel 034.0184.04, 034.0185.04 of na het aanbrengen van een opvulling bestaande uit een Polyethylene schuimband met gesloten cellen. De compatibiliteit met de verschillende omringende materialen moet kunnen aangetoond worden, zie sectie II.5.d. De voeg verzekert een perfecte lucht- en waterdichtheid. Siliconen voegen aan de buitenzijde van de gevel moeten weerbestendig en UV bestendig zijn.
Om bij opengaande delen een uniform kleuraspect te bekomen aan de glasrand, dient men de achterkant van de glasoversteek te bekleden met siliconen.

c. Het gebruik van gehard glas is enkel toegelaten in de situatie zoals hieronder:

de minimale afstanden moeten strikt getrespecteerd worden



B

d. Verenigbaarheid met omringende materialen:

De compatibiliteit van alle produkten onderling is noodzakelijk. Deze moet gecontroleerd worden door de installateur van de beglazing. Voor iedere opdracht dient hij contact op te nemen met de glasfabrikant om te weten welke kitsoort voor de spouwvulling van het dubbel glas gebruikt werd.
Voor de siliconen voeg tussen de glasplaten kan bv. gebruik gemaakt worden van volgende weersbestendige siliconen; Dow Corning: DC 791 of Sika: WS 605 of Tremco: Proglaze LMA. Deze zijn getest op compatibiliteit met volgende structurele siliconen; Dow Corning: DC993 or Sika: SG500 or Tremco: VEC99/Proglaze ll.
Eveneens moet de compatibiliteit tussen de kitvoeg en de artikels in contact met deze voeg aangetoond kunnen worden. Zo zijn bv. volgende weersbestendige siliconen; DC 791 of Sika: WS 605 of Tremco: Proglaze LMA getest op compatibiliteit met deze materialen; HPVC van 134.0300 - 134.0301 - 134.0302 - 134.0303 - 134.0304, ABS van 134.0180 - 134.0183 - 134.0186.
Verder dienen de richtlijnen en aanbevelingen die door de glasfabrikant worden opgegeven, strikt te Worden opgevolgd.

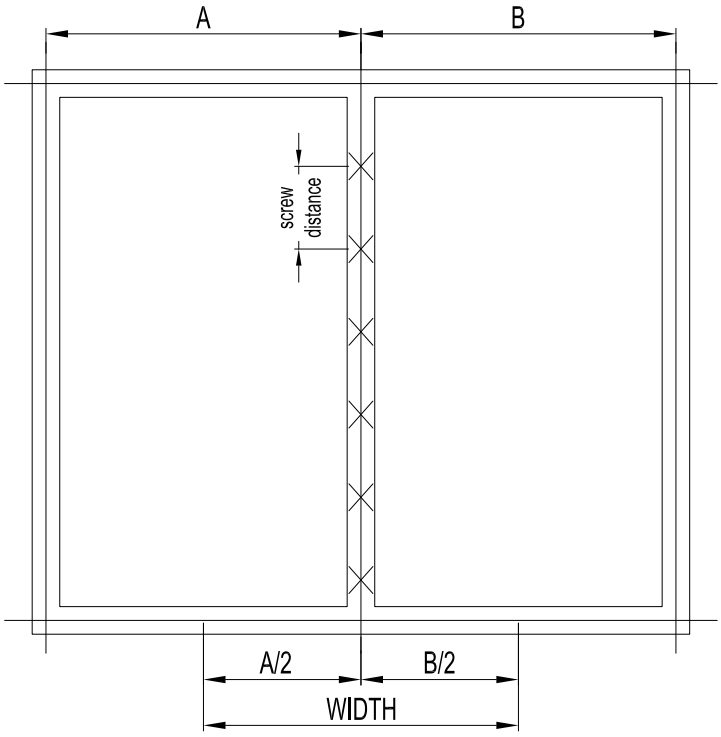
e. Borstweringspanelen en opengaande delen:

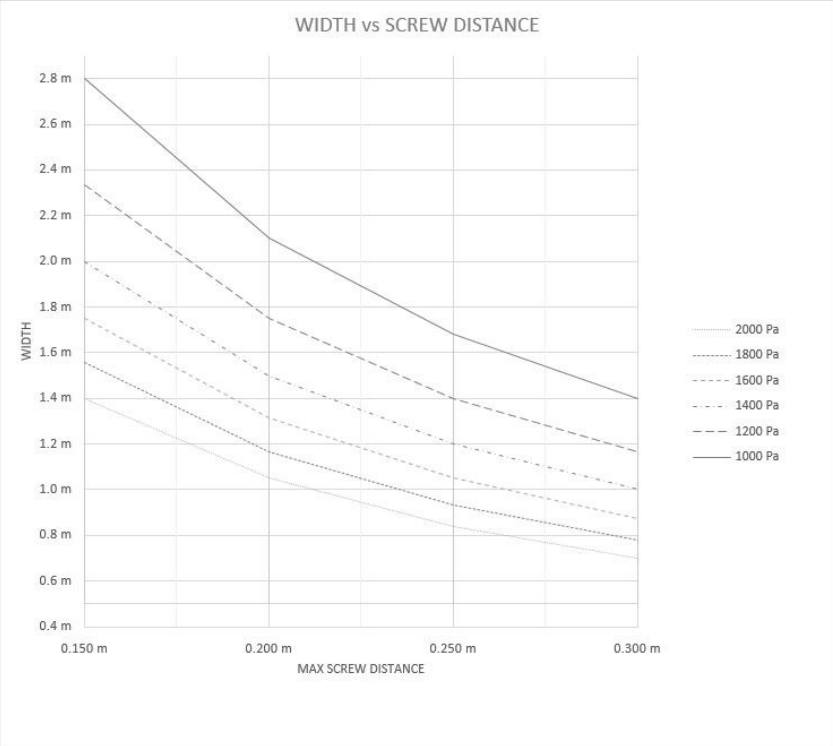
Borstweringspanelen met een enkelvoudige beglazing, uitzetzakramen en parallel opengaande ramen met scharen behoren eveneens tot de mogelijkheden. Hiervoor werden profielen ontwikkeld die éénzelfde detaillering hebben als het U-profieltje tussen de dubbele beglazing. Het glas dient bij deze oplossing op speciaal daarvoor bestemde verklevingsprofielen 034.1116.17, 034.0142.17 en 134.0116.17 verlijmd te worden. De voorschriften voor deze bewerking worden besproken in hoofdstuk II.5.3.3

B

5.3.2 schroef afstand:

Voor de doorlopende klemprofielen zijn de mogelijke schroefafstanden 150mm of 300mm, afhankelijk van de winddruk en de totale afmetingen.
Voor het toggle klemsysteem zie onderstaande tabel, ook de online tool kan gebruikt worden om een meer gedetailleerde berekening en een verificatie van de toegestane schroefafstanden.
Bij het raadplegen van onderstaande grafieken dient een foutenmarge te worden aangehouden.
De grafieken zijn een indicatie van de prestaties en de autonomie die het nieuwe toggle system biedt
Voor een nauwkeurige berekening moet de online rekentool gebruikt worden.





B

5.3.3 Structurele verlijming

a. Aandachtspunten structurele verlijming

• Te gebruiken structurele lijm = Dow corning: DC993 of Sika: SG500 of Tremco: VEC99/Proglaze II (of andere in ETA opgenomen siliconen)

Uitsluitend voor de structurele kit DC 993 /SG500/VEC 99/Proglaze II zijn de in de EOTA-gids voor structurele beglazingssystemen beschreven adhesieproeven en verenigbaarheidproeven met de omringende materialen uitgevoerd. Voor ieder nieuw lot van verlijmingprofiel worden bij Dow Corning / Sika / Tremco versnelde adhesieproeven (zgn. peeltesten) evenals de anotesten uitgevoerd. Op basis van de resultaten van deze proeven wordt een verlijmingvoorschrift voor het welbepaalde lot van het verlijmingprofiel opgemaakt (nr. DC XXXXX) waarin gemeld wordt dat de profielen goedgekeurd zijn voor structureel gebruik. Belangrijk om op te merken is dat dit voorschrift slechts 6 maanden geldig is. Een hernieuwing van het voorschrift kan bekomen worden door na 6 maanden de bovenvermelde testen opnieuw uit te voeren.

• Te gebruiken reinigingsmiddel voor verlijmingprofielen 034.1116.17, 034.0142.17 en 134.0116.17

Voor het aanbrengen van de structurele lijm op het verlijmingprofiel moet dit profiel gereinigd worden en ontvet worden met een product zoals voorgeschreven door de siliconen leverancier. Het gebruik van een extra primer is niet noodzakelijk. Tenzij anders vermeld op het verlijmingvoorschrift.

• Mogelijke beglazingen

De meest courante beglazingen kunnen gebruikt worden in dit systeem; wij verwijzen naar de ETA om hier uitsluitsel over te bekomen. Voor dubbele beglazing is de te gebruiken kit voor de hermetische voeg tussen beide glasplaten bij voorkeur de kit DC 3362 DOW CORNING/IG25 SIKA/TREMCO JS562, dewelke ook een structurele kit is. Bij de oplossing met verlijming op het buitenglasblad en getrapte beglazing mag de buitenste glasplaat niet volledig uitgehard zijn.Voor glas met verhoogde breukweerstand komt in dit geval voor de buitenste glasplaat uitsluitend halfgehard glas (durci) in aanmerking. Voor glasplaten met een coating op zijde 2 (de zijde waarop gekleefd wordt) is het noodzakelijk om in bepaalde gevallen deze coating te verwijderen ter hoogte van de lijmvoeg om een voldoende hechting in de tijd te garanderen. Meer info hieromtrent kan bekomen worden bij de glasleverancier en/of de silicone leverancier.
Min.Glasdikte =27 mm. Max. Glasdikte = 40 mm.
Toegelaten glassamenstellingen staan ook vermeld in de technische goedkeuring (ETA).

• Ondersteuning voor eigengewicht

Dit systeem mag uitsluitend gebruikt worden mits ondersteuning van beide glasplaten voor eigengewicht, zodat de Lijmvoeg niet onderworpen is aan een continue afschuifbelasting o.i.v. eigengewicht. Concreet betekent dit, dat minstens de helft van de buitenste glasplaat moet ondersteund zijn. In het geval van gelaagde beglazing moet minstens de helft van

de meest buiten gelegen glasplaat half ondersteund zijn: bv. voor gelaagde beglazing type 44.2 met een totale dikte van ongeveer 8,8 mm moet minstens 7,8 mm ondersteund zijn. De PVB-lagen zijn immers niet ontwikkeld om een continue afschuifbelasting op te vangen. Voor dubbele beglazing moeten beide glasplaten ondersteund worden.

• Verenigbaarheid omringende materialen met de structurele voeg
Alle omringende materialen van de structurele voeg moeten verenigbaar zijn met de structurele voeg. De materialen van het systeem, zoals weergegeven in deze catalogus, zijn uiteraard getest op hun verenigbaarheid met de structurele kit, ook de gebruikte EPDM-dichtingen. Indien echter andere materialen worden toegepast in het systeem moeten de nodige verenigbaarheidattesten kunnen voorgelegd worden.

• Afstandshouder
De dichting 080.9300.04, 080.9301.04 of 080.9303.04 wordt in dit systeem gebruikt als afstandshouder tussen het verlijmingprofiel en het glas. Deze dichting zorgt er bijgevolg voor dat het glas overal precies even ver verwijderd is van het verlijmingprofiel (standaard 6,4 mm). Dit resulteert in een constante dikte van de structurele voeg. Zoals hierboven reeds gemeld, is uiteraard ook deze dichting getest op verenigbaarheid met de structurele lijm.

• Glassteunblokjes
Tussen de aluminium glassteun en het glas dient een siliconenblokje geplaatst te worden type colypro (colymit) met een hardheid van 70 tot 80 SHORE A. Deze blokjes zijn niet in het Reynaers-gamma opgenomen maar de meeste verlijmingfirma's hebben deze standaard liggen. Belangrijk is dat ook deze verenigbaar zijn met structurele voeg.

B

• Verlijmingsfirma's
Verlijming mag enkel worden uitgevoerd door verlijmers welke goedgekeurd zijn voor de uitvoering van structurele verlijming volgens ETAG 002.
De verlijming tussen glaspaneel en vleugelkader moet perfect haaks gebeuren voor de functionaliteit bij het openen en sluiten van de vleugel

b. Bestelling verlijmingsprofielen 034.1116.17, 034.0142.17 en 134.0116.17

Voor ieder project met structureel verlijmd glas wordt door de Technische Dienst van Reynaers Aluminium Duffel een onderzoek gedaan op basis waarvan een goedkeuring kan gegeven worden voor de levering van de nodige verlijmingprofielen. De basis van dit onderzoek is een ingevulde aanvraag (form 158 of digitale aanvraag).Dit onderzoek kan opgesplitst worden in volgende 3 delen:
• Controle afmetingen structurele voeg
Op basis van de windbelasting (piekwindbelasting met terugkeerperiode van 10 jaar), de elementafmetingen en de glassamenstelling wordt nagegaan of de klassieke hoogte van de structurele voeg (= 15.5 mm) volstaat om deze windbelasting op te nemen.
Verder wordt ook gecontroleerd of de dikte van de structurele voeg (klassiek 6,4 mm) volstaat om het verschil in thermische uitzetting tussen glas en aluminium op te vangen. Telkens wordt een bevestiging gevraagd van deze berekeningen bij de siliconenleverancier.

• Controle elementafmetingen
Voor opengaande delen wordt nagegaan of de voorgestelde elementafmetingen en het elementgewicht kunnen gerealiseerd worden met de scharen in ons gamma. Wij verwijzen daarvoor ook naar de diagrammen voor toelaatbare afmetingen verderop in de catalogus.
Voor vaste gedeelten wordt vnl. een gewichtscontrole uitgevoerd (naast uiteraard de controle van de voegafmetingen zelf - zie eerste punt). Bij gebruik van 2 glassteunen met een breedte van 100 mm, hetgeen verplicht is, moet het totale elementgewicht beperkt blijven tot 180 kg.
Tenslotte wordt nog nagegaan of met de voorgestelde glassamenstelling de buitenste glasplaat half ondersteund is.
Deze waarden gelden enkel wanneer de binnenste glasplaat even dik of dikker is als de buitenste glasplaat.

• Specifieke toepassingen
Voor specifieke toepassingen (hoekdetaillering, gevel in facetten, gevel onder helling, ...) wordt bij een oplossing afwijkend van de catalogusoplossing de technische haalbaarheid nagegaan.
Na goedkeuring van het project wordt voor het betreffende lot van verlijmingsprofielen 034.1116.17, 034.0142.17 en 134.0116.17 het verlijmingsvoorschrift van de siliconenleverancier aan de klant opgestuurd.

Bijlage: Form 158

II.6 VERWERKING VAN CW 50-STRUCTURAL GLAZING (CW 50-SG)

II.6.1. Aanbrengen structurele dichting
De structurele dichtingen worden aangebracht in de daarvoor voorziene groeven van de profielen; de overlengte wordt lichtjes opgestuikt om krimpen op te vangen. Moeilijkheden bij het inbrengen kunnen opgevangen worden met siliconenspray (art.nr. 086.9551.--). Verlijmen (afdichten) : de snedes dienen verlijmd te worden met een vulkaniseerlijm (Unionzement art.nr. 084.9108.04)..

II.6.2. Montagevoorschriften

Voortvloeiend uit de aard van het systeem, met name de plaatsing van glaspanelen op een draagstructuur is de positionering van de draagstructuur zelf en de plaatsing van de elementen hierop uiterst belangrijk met het oog op een correcte bevestiging en het bekomen van een gevelstructuur met goede wind- en waterdichtheidseigenschappen. De toleranties moeten dan ook tot het strikte minimum beperkt worden (maximale afwijking grootte-orde 1 à 2 mm t.o.v. de nominale asmaat).
De gevelstructuur mag noch een statische, noch een dynamische spanning op de beglazing uitoefenen. De maximum doorbuiging onder invloed van de wind mag niet meer dan 1/200ste bedragen, met een maximum van 15mm. De maximum doorbuiging van de dwarsprofiel onder invloed van het eigen gewicht van de vulling bedraagt 3mm.

6.2.1 Inbouw in de ruwbouw

Het gevelelement wordt door middel van verankeringen aan de dragende ruwbouw verbonden. Het aantal, de plaats en de wijze van verankering moeten zodanig zijn dat de krachten die op het gevelelement worden uitgeoefend, goed op de omringende bouwkundige constructies kunnen worden overgedragen. Deze krachten kunnen onder andere zijn: windbelasting, eigengewicht, gebruiksbelasting, zonwering, radiatoren, glazenwassersinstallaties, enz…
De verankering mag geenszins het draagvermogen van de aangrenzende bouwonderdelen beïnvloeden. De plaats en uitvoering van de ankers of andere bevestigingsmiddelen dienen zodanig te zijn dat het element niet door de bouwkundige constructie kan worden belast en dat het element niet wordt gedeformeerd. Lengteveranderingen, veroorzaakt door temperatuurwisselingen, moeten ongehinderd kunnen plaatsvinden. Ook de toegelaten toleranties van de ruwbouw moeten kunnen worden opgenomen door de gevelconstructie en de verankeringen zonder dat waterlekkage ontstaat of te veel luchtinfiltratie optreedt. De verankeringsconstructie zal hiertoe voldoende instelmogelijkheden moeten bezitten om het inpassen tijdens de montage mogelijk te maken. Verankeringen mogen verder het goed functioneren van de beweegbare delen en het hang- en sluitwerk niet belemmeren. Bewegingen tussen ruwbouw en gevelelementen mogen niet tot gevolg hebben dat er hinderlijke geluiden door verankeringen worden veroorzaakt.
Soms kunnen verankeringen koudebruggen vormen. Het zal dan noodzakelijk zijn om de warmtestroom zo veel mogelijk te beperken. Hierbij dient men zich ervan te verzekeren dat de mechanische sterkte nog voldoende is.
Alle verankeringen, voor zover niet uit aluminium of roestvrij staal, dienen afdoende tegen corrosie te zijn beschermd en mogen zelf ook geen aantasting van het aluminium veroorzaken.
Per verdiep of elke 4m wordt een uitzetvoeg voorzien. De uitzetting in de hoogte mag maximum 4mm bedragen.

6.2.2 Inbouw van de opengaande vleugels (vulelementen) en borstweringselementen

Voor de plaatsing van de vleugels op de draagstructuur verwijzen wij naar de catalogus blz 51.E.... .

6.2.3 Inbouw van het beslag

Keuze van bevestigingspunten, aantal sluitpunten, aantal scharnieren, max. vleugelgewicht, max. vleugelafmetingen, toegepast vleugelgewicht, e.a. dient te gebeuren volgens de richtlijnen van de systeem-leverancier en de beslagfabrikant. Glijdende en bewegende delen zijn van neutraal vet te voorzien. Bij montage controleren of het beslag soepel en zonder hapering te bedienen is.
Voor specifieke inbouwdetails verwijzen wij naar de catalogus blz 51.F.... .

II.6.3. CW 50-Structural Glazing

6.3.1 Algemeen

Het CW 50 gevelsysteem dient als basis voor het glasgevelsysteem CW 50-SG. Het CW 50-SG systeem is een plaatsingsmethode om volledig gladde gordijngevels te bekomen. Een reeks klemprofielen, die vastgeschroefd worden in de schroefkanalen van de draagstructuur, drukken de kader tegen de op het aluminium raamwerk bevestigde EPDM-rubbers. Dit is mogelijk dankzij een U-vorm in het alu. Kader

6.3.2 Bestelling van de profielen

Voor ieder CW 50-SG project wordt door de Technische Dienst van Reynaers Aluminium Duffel een onderzoek gedaan op basis waarvan een goedkeuring kan gegeven worden voor de levering van de nodige klemprofielen. De basis van dit onderzoek is een ingevuld aanvraagformulier, type Form 158, waarvan een leeg exemplaar is bijgevoegd in bijlage.
Dit formulier dient volledig ingevuld en vergezeld van de nodige tekeningen, bezorgd te worden aan de Technische Dienst van Reynaers Aluminium Duffel, waarna het onderzoek kan opgestart worden.

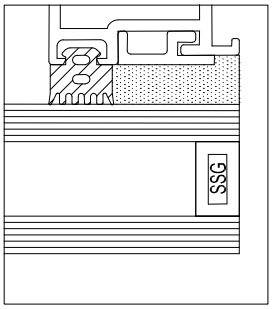
6.3.3 Structurele verlijming

a. Aandachtspunten structurele verlijming

• Te gebruiken structurele lijm = Dow corning DC 993 of Sika: SG500 of Tremco: VEC99 Proglaze II (of andere in ETA opgenomen siliconen)

Uitsluitend voor de structurele kit DC 993 /SG500/VEC 99/Proglaze II zijn de in de EOTA-gids voor structurele beglazingssystemen beschreven adhesieproeven en verenigbaarheidproeven met de omringende materialen uitgevoerd.
Voor ieder nieuw lot van verlijmingprofiel worden bij Dow Corning / Sika / Tremco versnelde adhesieproeven (zgn. peeltesten) evenals de anotesten uitgevoerd. Op basis van de resultaten van deze proeven wordt een verlijmingvoorschrift voor het welbepaalde lot van het verlijmingprofiel opgemaakt (nr. DC XXXXX) waarin gemeld wordt dat de profielen

goedgekeurd zijn voor structureel gebruik. Belangrijk om op te merken is dat dit voorschrift slechts 6 maanden geldig is. Een hernieuwing van het voorschrift kan bekomen worden door na 6 maanden de bovenvermelde testen opnieuw uit te voeren.



B

• Te gebruiken reinigingsmiddel voor verlijmingprofielen 034.1116.17, 034.0142.17 en 134.0116.17

Voor het aanbrengen van de structurele lijm op het verlijmingprofiel moet dit profiel gereinigd worden en ontvet worden met een product zoals voorgeschreven door de siliconen leverancier. Het gebruik van een extra primer is niet noodzakelijk. Tenzij anders vermeld op het verlijmingvoorschrift.

• Mogelijke beglazingen

De meest courante beglazingen kunnen gebruikt worden in dit systeem;wij verwijzen naar de ETA om hier uitsluitsel over te bekomen. Voor dubbele beglazing is de te gebruiken kit voor de hermetische voeg tussen beide glasplaten bij voorkeur de kit DC 3362 DOW CORNING/IG25 SIKA/TREMCO JS562, dewelke ook een structurele kit is. Bij de oplossing met verlijming op het buitenglasblad en getrapte beglazing mag de buitenste glasplaat niet volledig uitgehard zijn.Voor glas met verhoogde breukweerstand komt in dit geval voor de buitenste glasplaat uitsluitend halfgehard glas (durci) in aanmerking. Voor glasplaten met een coating op zijde 2 (de zijde waarop gekleefd wordt) is het noodzakelijk om in bepaalde gevallen deze coating te verwijderen ter hoogte van de lijmvoeg om een voldoende hechting in de tijd te garanderen. Meer info hieromtrent kan bekomen worden bij de glasleverancier en/of de silicone leverancier. Min.Glasdikte =24 Max. Glasdikte =36

Toegelaten glassamenstellingen staan ook vermeld in de technische goedkeuring (ETA).

• Ondersteuning voor eigengewicht

Dit systeem mag uitsluitend gebruikt worden mits ondersteuning van beide glasplaten voor eigengewicht, zodat de Lijmvoeg niet onderworpen is aan een continue afschuifbelasting o.i.v. eigengewicht. Concreet betekent dit, dat minstens de helft van de buitenste glasplaat moet ondersteund zijn. In het geval van gelaagde beglazing moet minstens de helft van de meest buiten gelegen glasplaat half ondersteund zijn: bv. voor gelaagde beglazing type 44.2 met een totale dikte van ongeveer 8,8 mm moet minstens 7,8 mm ondersteund zijn. De PVB-lagen zijn immers niet

ontwikkeld om een continue afschuifbelasting op te vangen. Voor dubbele beglazing moeten beide glasplaten ondersteund worden.

• Verenigbaarheid omringende materialen met de structurele voeg

Alle omringende materialen van de structurele voeg moeten verenigbaar zijn met de structurele voeg. De materialen van het systeem, zoals weergegeven in deze catalogus, zijn uiteraard getest op hun verenigbaarheid met de structurele kit, ook de gebruikte EPDM-dichtingen. Indien echter andere materialen worden toegepast in het systeem moeten de nodige verenigbaarheidattesten kunnen voorgelegd worden.

• Afstandshouder

De dichting 080.9300.04, 080.9301.04 of 080.9303.04 wordt in dit systeem gebruikt als afstandshouder tussen het verlijmingprofiel en het glas. Deze dichting zorgt er bijgevolg voor dat het glas overal precies even ver verwijderd is van het verlijmingprofiel (standaard 6,4 mm). Dit resulteert in een constante dikte van de structurele voeg. Zoals hierboven reeds gemeld, is uiteraard ook deze dichting getest op verenigbaarheid met de structurele lijm.

• Glassteunblokjes

Tussen de aluminium glassteun en het glas dient een siliconenblokje geplaatst te worden type colypro (colymit) met een hardheid van 70 tot 80 SHORE A. Deze blokjes zijn niet in het Reynaers-gamma opgenomen maar de meeste verlijmingfirma's hebben deze standaard liggen. Belangrijk is dat ook deze verenigbaar zijn met structurele voeg.

• Verlijmingsfirma's

Verlijming mag enkel worden uitgevoerd door verlijmers welke goedgekeurd zijn voor de uitvoering van structurele verlijming volgens ETAG 002.

De verlijming tussen glaspaneel en vleugelkader moet perfect haaks gebeuren voor de functionaliteit bij het openen en sluiten van de vleugel.

b. Bestelling verlijmingsprofielen 034.1116.17, 034.0142.17 en 134.0116.17

Voor ieder project met structureel verlijmd glas wordt door de Technische Dienst van Reynaers Aluminium Duffel een onderzoek gedaan op basis waarvan een goedkeuring kan gegeven worden voor de levering van de nodige verlijmingprofielen. De basis van dit onderzoek is een ingevulde aanvraag (form 158 of digitale aanvraag).Dit onderzoek kan opgesplitst worden in volgende 3 delen:

• Controle afmetingen structurele voeg

Op basis van de windbelasting (piekwindbelasting met terugkeerperiode van 10 jaar), de elementafmetingen en de glassamenstelling wordt nagegaan of de klassieke hoogte van de structurele voeg (= 15.5 mm) volstaat om deze windbelasting op te nemen. Verder wordt ook gecontroleerd of de dikte van de structurele voeg (klassiek 6,4 mm) volstaat om het verschil in thermische uitzetting tussen glas en aluminium op te vangen. Telkens wordt een bevestiging gevraagd van deze berekeningen bij Dow Corning.

• Controle elementafmetingen

Voor opengaande delen wordt nagegaan of de voorgestelde elementafmetingen en het elementgewicht kunnen gerealiseerd worden met de scharen in ons gamma. Wij verwijzen daarvoor ook naar de diagrammen voor toelaatbare afmetingen verderop in de catalogus. Voor vaste gedeelten wordt vnl. een gewichtscontrole uitgevoerd (naast uiteraard de controle van de voegafmetingen zelf - zie eerste punt). Bij gebruik van 2 glassteunen met een breedte van 100 mm, hetgeen verplicht is, moet het totale elementgewicht beperkt blijven tot 180 kg. Tenslotte wordt nog nagegaan of met de voorgestelde glassamenstelling de buitenste glasplaat half ondersteund is. Deze waarden gelden enkel wanneer de binnenste glasplaat even dik of dikker is als de buitenste glasplaat.

• Specifieke toepassingen

Voor specifieke toepassingen (hoekdetaillering, gevel in facetten, gevel onder helling, ...) wordt bij een oplossing afwijkend van de catalogusoplossing de technische haalbaarheid nagegaan. Na goedkeuring van het project wordt voor het betreffende lot van verlijmingsprofielen 034.1116.17, 034.0142.17 en 134.0116.17 het verlijmingsvoorschrift van de silicone leverancier aan de klant opgestuurd.

Bijlage: Form 158 > intranet

B

STRUCTURELE VERLIJMINGSPROJECTEN
VOLGENS ETAG 002

REYNAERS ALUMINIUM NV/SA
Oude Liersebaan 266 • B-2570 Duffel
t +32 15 30 85 00 • f +32 15 30 86 00
www.reynaers.com • info@reynaers.com

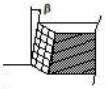
Gelieve dit document terug te sturen naar R&D van Reynaers Aluminium N.V. alsook uw bestelling naar onze Verkoopafdeling.

Projectnaam: _____
Werfadres: _____
Land: _____

Firma en contactpersoon: _____

	Systeem	Profielen	Lengte	Aantal
☐	CW 50 – Top Hung	034.1116.17 SG	7m	
☐	CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐	CW 50-SG	034.1116.17 SG	7m	
☐	CW 50-SC	034.1116.17 SG	7m	
☐	CW 60	034.1116.17 SG	7m	
☐	CW 86	028.2030.17 SG	7m	
		028.2031.17 SG	7m	
		007.0161.17 SG	6m	
☐	CW 65-EF/SG	007.0220.17 SG	7m	
		007.0230.17 SG	7m	

Oppervlakte project: _____ m²
Max. paneelafmetingen: Breedte x Hoogte: _____ x _____ mm
Glassamenstelling: Binnenblad _____ mm x Spouw _____ mm x Buitenblad _____ mm
Piek winddruk: _____ Pa (ontwerpbelasting, terugkeerperiode van 10 jaar, incl. locale drukparameters)
Hoekdetails: ☐ Ja → ☐ Oplossing volgens cataloog
☐ Specifieke oplossing -> tekening bijgevoegd
☐ Nee
Gebogen gevel: ☐ Ja → Hoek tussen 2 facetten = _____°
☐ Nee
Verticale gevel: ☐ Ja
☐ Nee → Hoek β ten opzichte van het verticale vlak = _____°



Tekeningen: _____ doorsneden/aanzichten/grondplannen in bijlage

Verlijmingsfirma: _____
Adres: _____

Goedkeuringsnummer voor Structurele Verlijming volgens ETAG, gegeven door Genotificeerde Instantie: _____

Silicone leverancier: _____ Type _____
Verlijmingsfirma goedgekeurd door silicone leverancier: ☐ Ja ☐ Nee

TECHNISCHE GOEDKEURING

In te vullen door R&D van Reynaers Aluminium DUFFEL, na beoordeling van project

Aantal	Profielen	Batch	Print	Kleur prof.einden	Rapport

Datum : _____ Door : _____

NIET BEHEERD KOPIJ

RECOMMANDATIONS DE MISE EN OEUVRE

I. GENERAL

Voir catalogue “1. Informations générales” (099.C01G.00 édition 09/2018)

II. RECOMMANDATIONS DE MISE EN OEUVRE CW 50 & CW ELEMENTS D'OUVERTURE

II.1 RECOMMANDATIONS DE FABRICATION

Afin de garantir un produit final parfait, certaines règles doivent être suivies pendant la fabrication.

II.1.1 Opérations d ’usinage

Par opérations d’usinage on entend : toutes les opérations mécaniques comme le tronçonnage, le fraisage, le forage, le poinçonnage et la découpe. Il est essentiel que la couche de laque des profilés laqués ne se détache pas sur les bords pendant ces opérations. Il est donc très important pour la qualité des assemblages que :
- les outils d’usinage soient adaptés et suffisamment aiguisés;
- les machines soient bien réglées (p.ex. régime);
- un contrôle régulier des outils ait lieu;
- les outils d’usinage soient correctement et suffisamment graissés: bâton lubrifiant (art.nº 086.9191.--) pour lames de scie, huile de coupe (art.nº 086.9175.--) pour outils de poinçonnage ou les réfrigérants et lubrifiants prescrits par les fournisseurs des machines;
- les mors de serrage adaptés soient utilisés;
- la table d’amenée ou d’évacuation soit exempte de copeaux et de souillures;
- le refroidissement éventuel se fasse à l’aide de produits chimiquement neutres qui ne corrodent pas le traitement de surface.

Il est recommandé d'aspirer les copeaux produits par les opérations d'usinage. Toutes les coupes des profilés qui forment une jonction comme les équerres d’assemblage angulaires et les jonctions en T doivent être protégées à l’aide de Reynaprotector (art. n° 086.9206.SY + 095.P200.--). Toutes les autres coupes (comme parcloses, fixations...) doivent être protégées à l’aide de Reynaers Anti-corro (art.n°086.9606.--) ainsi que les fraisages, trous d’alésage, perforations...

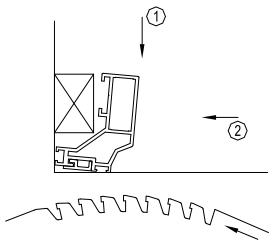
Position/serrage des profilés pendant le tronçonnage:

La position des profilés sur la table de sciage pendant le tronçonnage est très importante et est la condition essentielle pour obtenir des onglets parfaits après montage de la fenêtre ou de la porte.
La pression principale doit toujours être exercée sur la ‹face de référence › des profilés.
La ‹face de référence› doit être positionnée parfaitement horizontalement ou verticalement sur la table de sciage.
Les mors de serrage doivent être utilisés:
a. pour éviter que les tolérances sur les profilés influencent la qualité de l’onglet;
b. pour éviter que les profilés ne basculent sur la table.

Face de référence -> <- Face de référence

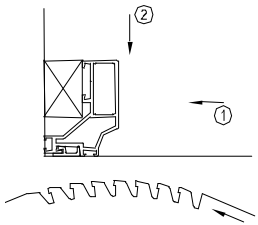
MAUVAIS TRONCONNAGE

DEFAUT: Le vérin principal presse sur la surface visible du profilé à tronçonner entraînant son décalage.
CONSEQUENCES: Coupe d’onglet en biais, côtés extérieurs raccourcis par rapport aux côtés intérieurs.
RESULTAT: Après sertissage, l’assemblage sur la face intérieure est correct, tandis qu’à l’extérieur l’onglet s’est ouvert.



TRONCONNAGE CORRECT

Le vérin principal exerce sa pression sur la face de la feuillure. La surface visible ne subit que la pression réduite du vérin secondaire.
Le profilé n’a pas tendance à se décaler ou à se déformer pendant la coupe et le sertissage des profilés sciés à onglet peut s’effectuer sans problèmes.



Remarque:
Il est recommandé d'aspirer les copeaux pendant le tronçonnage.

II.1.2 Assemblage

Application générale :
L'assemblage des meneaux et des traverses se fait par méthode pénétrante. Cette méthode permet le drainage des traverses dans les meneaux sans interrompre la chambre de drainage verticale. Un joint d'assemblage en EPDM est appliqué dans les gorges afin que le meneau ainsi que la traverse soient étanchés sans l'emploi de silicones. Les traverses sont fixées à l'aide des vis inoxydables.
La différence de niveau des gorges d'étanchéité, crée par la pose pénétrante, est compensée par l'emploi de différents joints d'étanchéité dans les meneaux et les traverses. Malgré la différence de l'épaisseur, l'aspect des joints est identique. Ceci est réalisé grâce à la forme L du joint du meneau.

Nous faisons la distinction des opérations d'assemblage :
1. raccords d'angle;
2. assemblages T;
3. assemblages longitudinaux ;
4. drainage, désaération et découpes pour les accessoires;
5. joints.

B

1.2.1 Raccords d 'angle des dormants et ouvrants (remplissages)

Etapes :
a. Tronçonnage, poinçonnage ou perçage.
b. Protection des surfaces traitées par:
- ébavurage (si nécessaire);
- soufflage des poussières et des copeaux de sciage sur les surfaces traitées et dans la chambre du profilé;
- dégraissage (REYNAFINISH 60 art.nº 086.9210.--);
- application de produit anti-corrosion (REYNAPROTECTOR art.nº 086.9206.SY et ROULEAU EN MOUSSE 095.P200.--); temps de séchage: environ 1 heure.
c. Etanchéité : appliquer sur les surfaces traitées de la matière d'étanchéité neutre et élastique
(type joint silicone)
d. Collage: appliquer une colle d'étanchéité approuvée
(REYNASEAL DUO art.nº 084.9080.--):
- dans la chambre du profilé;
- dans la gorge destinée à l'équerre d'alignement
e. Assemblage : introduire les équerres dans les chambres. L'assemblage et le serrage de la coupe se fait par chevillage, vissage ou sertissage.
f. Sur les éléments composés, les résidus de colle ne doivent être enlevés que des surfaces visibles, et ceci uniquement à l'aide d'un produit non-agressif (REYNAFINISH 60 art.nº 086.9210.--).
Remarque: En cas de collage par injection, les éléments sont d'abord assemblés et le collage et l'étanchéité se réalisent ensuite.

1.2.2 Assemblage T de la structure portante

Etapes :
a. Tronçonnage, poinçonnage ou perçage
b. Protection des surfaces traitées par :
- ébavurage (si nécessaire);
- soufflage des poussières et des copeaux de sciage sur les surfaces traitées et dans la chambre du profilé;
- dégraissage (REYNAFINISH 60 art.nº 086.9210.--);
- application de produit anti-corrosion (REYNAPROTECTOR art.nº 086.9206.SY et ROULEAU EN MOUSSE 095.P200.--); temps de séchage: environ 1 heure.
c. Etanchéité : à l'aide d'un joint d'assemblage en cas d'une différence de température de 20° sur un profilé aluminium de 1m il y a une différence de longueur de ± 0.5mm.

Par conséquent il n'est pas nécessaire d'appliquer un joint d'assemblage si la longueur du profilé est moins de 1m (Poinçonnage 15mm au lieu de 18mm). Si la longueur est plus de 1m ce joint d'assemblage est nécessaire afin d'éviter des tensions sur les profilés. Pour un travail sans joint d'assemblage, nous vous recommandons d'executer l'encoche à l'aide d'une double scie (réf. 095.D440.00); afin d'optimiser le niveau de finition.
d. Assembler, assemblage du jonction-T et visser.
e. Sur les éléments composés les résidus de colle ne doivent être enlevés que des surfaces visibles et ceci uniquement à l'aide d'un produit non-agressif (REYNAFINISH 60 art.nº 086.9210.--).

1.2.3 Assemblages longitudinaux (voir dessins pages 51.f…. .)

Etapes:
a. Poinçonnage et fraisage. (Longueur min. = 1000m)
b. Protection des surfaces traitées par:
- ébavurage (si nécessaire);

- soufflage des poussières et des copeaux sur les surfaces traitées et dans la chambre du profilé;
- dégraissage (REYNAFINISH 60 art.nº 086.9210.--);
- application de produit anti-corrosion (REYNAPROTECTOR art.nº 086.9206.SY et ROULEAU EN MOUSSE 095.P200.--); temps de séchage: environ 1 heure.

c. Application du joint pour profilé de dilatation (art. nº 080.9503.04 et 080.9903.04) dans le dormant raccord.
d. Assemblage : il faut appliquer une feuille de polypropène sur le dormant raccord, ensuite les profilés sont assemblés et un matériaux d'étanchéité élastique est appliqué. (SILICONE f.i. : 084.9063.XX)
e. drainage longitudinaux voir 51.f…
f. Sur les éléments composés les résidus de colle ne doivent être enlevés que des surfaces visibles et ceci uniquement à l'aide d'un produit non-agressif (REYNAFINISH 60 art.nº 086.9210.--).

1.2.4 Drainage, aération et découpes pour les accessoires
Etapes:

a. Tron çonnage parfait

b. Poinçonnage, perçage et fraisage.

c. Protection des surfaces traitées par:
- ébavurage (si nécessaire);
- soufflage des poussières et des copeaux ;
- dégraissage (REYNAFINISH 60 art.nº 086.9210.--);
- application de produit anti-corrosion (REYNAPROTECTOR art.nº 086.9206.SY et ROULEAU EN MOUSSE 095.P200.--); temps de séchage: environ 1 heure.

Lors du drainage / aération, il faut prêter attention aux points suivants: (voir 51.f…)
- Ce drainage doit être conçu pour évacuer vers l'extérieur les eaux d'infiltration éventuelles et maintenir la chambre de décompression à la pression atmosphérique.

Pour chaque fenêtre, les drainages sont prévus à une distance maximale de l'extrémité du châssis de 250 mm:
2 drainages jusqu'à une largeur de fenêtre 1000 mm
3 drainages jusqu'à une largeur de fenêtre 1500 mm
etc... un drainage en plus par 500 mm supplémentaires en largeur.

D'ouvertures de drainage dans la traverse :
- Jusqu'à 1200mm distance entre les meneaux, drainage par le meneau.
- 1 ouverture centrale si la distance intermédiaire est inférieure à 1500mm. Si cette distance dépasse 1500mm la distance maximale intermédiaire des ouvertures de drainage est de 500mm tenant compte d'une distance maximale jusqu'à l'angle de 500mm.
- En cas d'utilisation d'une bande butylique dans la section horizontale, des trous de drainage seront prévus, 2 trous à la fin du serreur.
- La surface minimale de ces usinages est de 50 mm2 par drainage, soit sous forme d'un trou Ø 8 mm, soit sous forme d'un trou oblong de 5 mm x 15 mm au minimum.
- Sur le haut du côté de l'ouvrant, on perce toujours au moins 2 trous de 5 mm de diamètre au minimum. Leurs fonctions sont d'égaliser la pression autour du vitrage.
- Il faut toujours drainer au niveau du point le plus bas de la feuillure de vitrage.

1.2.5 Joints
Tous les joints sont en EPDM résistant aux intempéries et au vieillissement. Leur montage doit se faire soigneusement puisque l'étanchéité de la façade en dépend.
Application des joints de vitrage
Etapes:
1. Découpe correcte: la découpe du joint de vitrage doit se faire avec des ciseaux spéciaux (art.nº 090.0121.UN)et le joint peut être coupé à onglet ou droit en fonction du type de jonction entre les profilés. Une longueur supplémentaire (environ 10 mm par mètre) doit être prévue.
2. Application du joint: les joints sont appliqués dans les gorges des profilés prévues à cet effet; la longueur supplémentaire est légèrement refoulée pour neutraliser la dilatation ou le rétrécissement. Les difficultés de mise en place peuvent être résolues à l'aide d'un aérosol silicone (art.nº 086.9551.--)
3. Encollage (étanchéité) : dégraisser les coupes au Reynears Safety Clean (art. n° 086.9231.--) et au Reynaers primer seal & bond spécial (086.9232.--). Coller les raccords avec de la colle de vulcanisation Reynafix (art.nr. 084.9108.--). Cette colle permet à la jonction de rester élastique et de garantir le rôle du joint même dans les angles.

II.2 RECOMMANDATIONS DE MONTAGE

Résultant du genre du système, soit l'installation de panneaux de vitrage sur une structure portante, le positionnement de la structure portante même ainsi que la mise en place des éléments sont extrêmement important en vue d'un ancrage

correct et pour obtenir une façade bien étanchée à l'air et à l'eau. Les tolérances doivent être limitées à un minimum (différence de 1 à 2 mm comparé au diamètre extérieur nominal).
La structure mur-rideau peut exercer ni de tension statique ni de tension dynamique sur le vitrage. Le
Fléchissement maximal sous l'influence du vent ne peut pas excéder plus de 1/200 de la longueur du vitrage concernée avec un maximum de 15mm. Le fléchissement maximal de la traverse sous l'influence de la charge totale du poids propre du remplissage est de 3mm.

Murs-rideaux en pente et à pignon
En cas de murs-rideaux en pente et à pignon une bande de butyle aluminium est collée sur le vitrage (art. 084.9711.04, 084.9712.04 ou 084.9713.04). Le traitement de cette bande de butyle aluminium doit se faire à une température entre +5° et +40°C. La surface doit être bien propre et sèche.
Pour les murs-rideaux en pente il est obligatoire d'employer du verre de sécurité (voir prescriptions du fournisseur du verre). La pente minimale est de 5°, sans parties mobiles.

II.2.1. Montage dans le gros œuvre

B

La fixation au gros œuvre se fait à l'aide d'ancrages. Le nombre et le positionnement des ancrages doivent permettre la transmission des efforts aux supports béton. Ces forces peuvent être : la charge due à l'action du vent, le poids propre, la force d'utilisation, les brise-soleil, les radiateurs, les installations pour les laveurs de vitres, etc.
L'ancrage ne doit surtout pas influencer la force portante des éléments de construction contigus. La position et la mise en œuvre des points d'ancrage ne doivent pas entraîner de déformation ni transmettre des efforts du gros œuvre sur l'élément de façade.
Les jeux d'ancrage doivent prévoir les différentes dilatations.
Les tolérances du gros œuvre doivent être compensées par la construction de la façade et les ancrages sans qu'une fuite ou trop d'infiltration d'air se produisent.
A cet effet la construction d'ancrage doit offrir assez de possibilités de réglage afin de permettre l'intégration lors du montage.
L'ancrage ne doit surtout pas encombrer le bon fonctionnement des parties mobiles et de la quincaillerie.
Les mouvements entre le gros œuvre et les éléments de la façade ne doivent pas causer de bruit par glissement sur les ancrages. Souvent les ancrages peuvent former des ruptures thermiques qu'il faudra limiter. Dans ce cas, il faut s'assurer que la résistance mécanique reste suffisante.
Tous les ancrages, s'ils ne sont pas en aluminium ou en acier inoxydable, doivent être efficacement protégés contre la corrosion et ne doivent pas corroder l'aluminium. Afin de réaliser la connexion entre l'ébauche et le joint 080.9800.04, nous utilisons une pâte mastic 084.9104.04 (qui n'est pas appropriée pour le PVC doux)

II.2.2. Transport
Afin de déplacer ou de transporter les éléments montés vers le chantier il faut renforcer les éléments afin d'éviter des dommages.

II.2.3. Montage des accessoires
Le choix des points de fixation, du nombre de points de fermeture, du nombre de charnières, du poids max. d'ouvrant, des dimensions max. d'ouvrant, etc. doit se faire suivant les instructions du fournisseur des systèmes et du fabricant des accessoires.
Les parties coulissantes et mobiles doivent être pourvues de graisse neutre.
Lors du montage, il faut contrôler si les accessoires peuvent être actionnés de façon souple et sans blocage.

II.2.4. Montage des moteurs
Le choix des moteurs pour THW et POW en ce qui concerne les dimensions des ouvrants est mentionné aux chapitres E et F selon les indications de D+H Mechatronic.

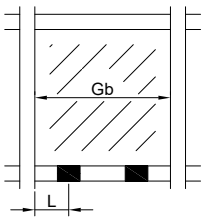
Les informations techniques sur la connexion entre les différents moteurs et le raccordement à un circuit électrique doivent être obtenues par D+H Mechatronic.

II.3 VITRAGE

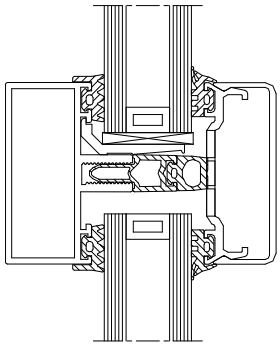
Le système CW 50 est conçu pour être vitré à l'aide de joints EPDM.

Le système de vitrage appliqué est le système de vitrage dit à égalisation de pression. Ce système permet un certain degré d'infiltration d'eau dans la construction. L'eau infiltrée doit être drainée de façon contrôlée par le meneau vertical ou par les trous d'évacuation d'eau dans les capots et les serreurs des profilés horizontaux.
Pour ce système de vitrage, les aspects suivants sont très importants :
- le joint intérieur doit être bien imperméable à l'air ;
- le joint extérieur doit être fait de sorte qu'on puisse éviter l'infiltration d'eau dans la rainure le plus que possible. A cet égard il faut propulser le joint afin d'éviter des ouvertures dans les équerres ;
- pour la pose des vitrages le jeu entre le vitrage et le fond de feuillure doit être de 10mm (5mm par côté) au minimum.
- Le coincement du verre dans le mur-rideau est au moins 13mm, dépendant de l'application. Voir les indications dans le tableau.

Fixation du vitrage
Aucun volume verrier ne peut être directement en contact avec l'aluminium. La pose de cales de vitrage et d'un joint est indispensable.En cas de vitrage isolé, les deux feuilles de verre doivent être supportées. Les cales de support, supportées par un support cale de vitrage en aluminium, doivent transmettre le poids du verre sur les profilés et doivent être posées de préférence à une distance de 0,25 jusqu'à 0,1 fois la longueur de la largeur du vitrage (au minimum 100mm) de l'origine d'angle du vitrage. Ici la référence est le milieu des cales.
La rondelle de blocage 073.8203 est uniquement utilisée comme fixation temporaire du vitrage. Par après, les serreurs peuvent être fixés selon les spécifications. Les serreurs ont été développés pour reprendre la charge de vent et le poids propre.



Gb/10<L<Gb/4
Lmin=100mm



Afin de limiter la flexion du meneau sous l'influence du poids de vitrage il est à recommander de poser les cales de vitrage tout près des coins du vitrage, tenant compte des restrictions susmentionnées. En appliquant un profilé de drainage PVC en combinaison avec un joint d'étanchéité, nous évitons que l'eau infiltrée se retrouve sur les bords du vitrage inférieur.

En appliquant des trous de drainage dans le serreur, juste en haut du joint d'étanchéité, on peut évacuer l'eau infiltrée. Après la pose du vitrage sur la structure portante on peut appliquer les serreurs. Les serreurs sont fixés à l'aide de vis SPECIALES tous les 300mm dans la rainure prévue sur le meneau. Afin d'obtenir un système bien
étanché il faut fixer les vis avec une force de serrage de 400 Ncm.
C'est important de vérifier les instructions de traitement et les exigences de compatibilités du fournisseur de vitrage que les propriétés de ces vitrages soient garanties.

II.4 INFORMATION TECHNIQUE

Il est absolument nécessaire de calculer la force ainsi que la rigidité de chaque construction. A titre d'infirmation, la partie B de ce catalogue comprend quelques tableaux et graphiques.
Chaque mur-rideau dont la hauteur est plus de 25m du niveau du sol doit être prévu d'une mise à la terre.
En cas où les profilés sont interrompus par un joint de dilatation, ils doivent être raccordés (voir catalogue partie F chapitre dilatation).

II.5 TRAITEMENT DE LA SERIE CW 50-STRUCTURAL CLAMPED (CW 50-SC(=VEC))

II.5.1. JOINTS

Tous les joints sont en EPDM résistant aux intempéries et au vieillissement. Leur montage doit se faire soigneusement, puisque l'étanchéité de la façade en dépend.

Application des joints de vitrage
Etapes:
1. Découpe correcte: la découpe du joint de vitrage doit se faire avec des ciseaux spéciaux (art.n°090.0121.UN) et le joint peut être coupé à onglet ou droit en fonction du type de jonction entre les profilés. Une longueur supplémentaire (environ 10 mm par mètre) doit être prévue.
2. Application du joint: les joints sont appliqués dans les gorges des profilés prévues à cet effet; la longueur supplémentaire est légèrement refoulée pour neutraliser la dilatation ou le rétrécissement. Les difficultés de mise en place peuvent être résolues à l'aide d'un aérosol silicone (art.n° 086.9551.--).
3. Encollage (étanchéité) : dégraisser les coupes au Reynaers Safety Clean (art. n° 086.9231.--) et au Reynaers primer seal & bond spécial (086.9232.--). Coller les raccords avec de la colle de vulcanisation Reynafix (art.nr. 084.9108.--). Cette colle permet à la jonction de rester élastique et de garantir le rôle du joint même dans les angles.
Les équerres sont de même collées au bouts à l'aide de colle vulcanisante.

II.5.2. RECOMMANDATIONS DE MONTAGE

Résultant du genre de ce système, soit l'installation de panneaux de vitrage sur une structure portante, le positionnement de la structure portante même ainsi que la mise en place des éléments sont extrêmement important en vue d'un ancrage correct et pour obtenir une façade bien étanchée à l'air et à l'eau. Les tolérances doivent être limitées à un minimum (différence de 1 à 2 mm comparé au diamètre extérieur nominal).
La structure mur-rideau peut exercer ni de tension statique ni de tension dynamique sur le vitrage.

Le fléchissement maximal sous l'influence du vent ne peut pas excéder plus de 1/200 avec un maximum de 15mm. Le fléchissement maximal de la traverse sous l'influence de la charge totale du poids propre du remplissage est de 3mm.

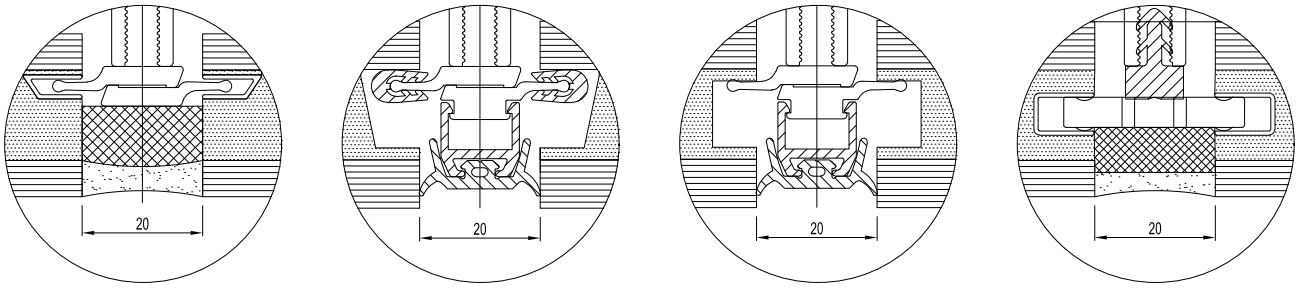
5.2.1 Montage dans le gros œuvre
La fixation au gros œuvre se fait à l'aide d'ancrages. Le nombre et le positionnement des ancrages doivent permettre la transmission des efforts aux supports béton. Ces forces peuvent être : la charge due à l'action du vent, le poids propre, la force d'utilisation, les brise-soleil, les radiateurs, les installations pour les laveurs de vitres, etc.
L'ancrage ne doit surtout pas influencer la force portante des éléments de construction contigus. La position et la mise en œuvre des points d'ancrage ne doivent pas entraîner de déformation ni transmettre des efforts du gros œuvre sur l'élément de façade.
Les jeux d'ancrage doivent prévoir les différentes dilatations.
Les tolérances du gros œuvre doivent être compensées par la construction de la façade et les ancrages sans qu'une fuite ou trop d'infiltration d'air se produisent.
A cet effet la construction d'ancrage doit offrir assez de possibilités de réglage afin de permettre l'intégration lors du montage.
L'ancrage ne doit surtout pas encombrer le bon fonctionnement des parties mobiles et de la quincaillerie.
Les mouvements entre le gros œuvre et les éléments de la façade ne doivent pas causer de bruit par glissement sur les ancrages. Souvent les ancrages peuvent former des ruptures thermiques qu'il faudra limiter. Dans ce cas, il faut s'assurer que la résistance mécanique reste suffisante.
B
Tous les ancrages, s'ils ne sont pas en aluminium ou en acier inoxydable, doivent être efficacement protégés contre la corrosion et ne doivent pas corroder l'aluminium.
Selon la situation et choisi des profils de serrage, le nombre de joints de dilatation et de portée maximale entre les joints de dilatation doit être calculée. Les profils de serrage plus petit (type 034.0130.00 & 034.0138.00) ne peuvent dépasser 4mm d'expansion. Les profils de plus de serrage (type 034.0175.00 & 034.0176.00) ne peut dépasser +4mm ou -6mm.
Des détails supplémentaires peuvent être trouvés sur la pages 51.F. …

5.2.2 Montage des ouvrants (remplissages) et éléments mur-rideau.
Pour l'installation des ouvrants sur la structure portante nous nous référons au catalogue page 51.E….

5.2.3 Montage des accessoires
Le choix des points de fixation, du nombre de points de fermeture, du nombre de charnières, du poids max. de l'ouvrant, des dimensions max. de l'ouvrant, etc. doit se faire suivant les instructions du fournisseur des systèmes et du fabricant des accessoires. Les parties coulissantes et mobiles doivent être pourvues de graisse neutre. Lors du montage, il faut contrôler si les accessoires peuvent être actionnés de façon souple et sans blocage. Pour les détails d'encastrement spécifiques nous nous référons au catalogue page 51.F… .

II.5.3. VITRAGE

5.3.1 Généralités
Le système CW 50 sert comme base du système mur-rideau CW 50-SC. Le système CW 50-SC est une méthode d'installation développée pour la réalisation de toitures et de murs-rideaux plans (système SC = VEC). Une série de serreurs qui sont vissés dans la rainure de la structure portante, poussent le vitrage contre les joints EPDM qui sont fixés sur la fenêtre aluminium.
Ceci peut être réalisé grâce à une rainure qui est incorporé dans le joint d'assemblage du vitrage double. (Brevet double vitrage au profilé U Glaverbel. Si livré par d'autres sociétés, l'accord du Directeur Technique de Reynaers Aluminium est nécessaire).
Cette rainure est possible en 4 différents types : soit à l'aide d'un profilé U prévu lors de la fabrication, soit par un vitrage intérieur libre qui permet le serrage avec un joint EPDM monté sur le profilé serreur ou bien par une paroi en silicone appliqué sur le vitrage intérieur de sorte que le serrage se fait directement sur la paroi en silicone.
En remplissant les fentes entre les panneaux de verre à l'aide de silicone, il est possible de faire un toit avec un versant de 7° (ETAG 002).



Pour le marché français, se référer également au DTA en vigueur.

a. Support du poids propre

Le poids propre des deux vitres doit être neutralisé par des supports en silicones polymérisées (shore min. A75 à 20°C). Pour chaque panneau il faut prévoir 2 supports à min. 50 mm des équerres. La longueur des supports (en mm) est calculée comme suite :

$$L = \frac{S \times 250}{R}$$

L = longueur du support (mm)
S = surface du vitrage (m²)
R = pression admissible sur le support (N/cm²)
(Silicones polymérisées shore A80 : R = 9 N/cm²).

En cas d'une toiture il faut multiplier L par le sinus a (a = l'angle de déclivité de la toiture comparé à la surface horizontale). Il faut supporter au moins la moitié de l'épaisseur du vitrage extérieur. En cas de verre feuilleté il faut supporter au moins la moitié du vitrage le plus extérieur. Les couches PVB ne servent pas à neutraliser un effort tranchant continu. Les vitrages isolés sont joints à l'aide de silicones ce qui fait partie d'une approbation technique.

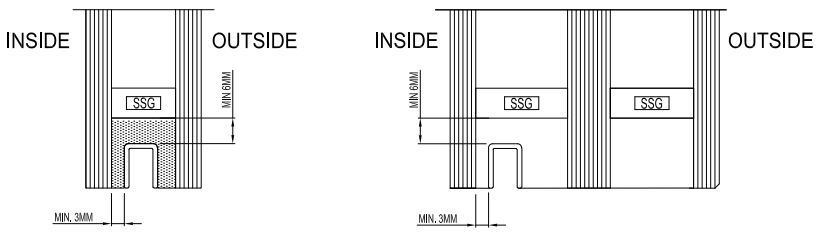
Terminologie :
d1 = épaisseur du vitrage extérieur
de = largeur du réducteur de feuillure min. 15 mm
d2 = épaisseur du vitrage intérieur : min. 6 mm
l = hauteur du profilé-U = 10 mm
r = hauteur du joint structurel
e = hauteur du réducteur de feuillure
h = l + r + e
d1 + de + d2 : max. 40 mm
Remarque : les bords du vitrage extérieur sont dépolis. Les bords du vitrage intérieur sont normal sauf commandé autrement.

b. Possibilités de fabrication

La tolérance sur les dimensions du verre est de ± 2 mm.
Pour le vitrage extérieur, le verre flotté / float, le verre durci / semi-trempé, le verre trempé et le verre feuilleté conviennent pour le composant extérieur.
Le composant intérieur ne peut jamais être complètement trempé, sauf dans les situations présentées au point 5.3.1 C.
Pour les vitrages avec une résistance au choc, seul du verre durci ou feuilleté convient pour le composant intérieur, à l'exception des remplissages non-accessibles depuis l'intérieur du bâtiment, où il n'y a pas de risque d'impact.
Le joint d'étanchéité entre les vitrages est réalisé à l'aide de silicone élastique reposant soit sur le profilé synthétiques 034.0184.04 ou 034.0185.04, soit sur une mousse polyéthylène à cellules fermées faisant office de fond de joint. La compatibilité avec les différents matériaux environnants doit être démontrée, voir section II.5.d. Ce joint garantit une bonne étanchéité à l'air et à l'eau. Les joints en silicone à l'extérieur de la façade doivent être résistants aux intempéries et aux UV.
Afin d'obtenir un aspect uniforme des couleurs en périphérie des cadres ouvrants, la face arrière du verre décalé doit être recouverte de silicone.

c. L'utilisation de verre trempé n'est autorisée que dans la situation présentée ci-dessous :

Les distances minimales doivent être strictement respectées :



d. Compatibilité des matériaux environnants

Il est absolument nécessaire que les produits soient compatibles. Ceci est à contrôler par l'installateur du vitrage. Pour chaque commande il faut contacter le fabricant du vitrage afin de savoir quel mastic est utilisé pour réaliser le joint de scellement du vitrage isolant.

Pour le joint d'étanchéité entre les vitrages, on peut utiliser par exemple les silicones résistantes aux intempéries suivants: Dow Corning : DC791 ou Sika : WS 605 ou Tremco : Proglaze LMA. Leur compatibilité a été testée avec les silicones structurels suivants: Dow Corning: DC993 ou Sika: SG500 ou Tremco: VEC99/Proglaze II.
La compatibilité entre le joint d'étanchéité et les articles en contact avec ce joint doit également être démontrée. Par exemple, la compatibilité des silicones résistants aux intempéries suivants: Dow Corning : DC791 ou Sika: WS 605 ou Tremco: Proglaze LMA a été testée avec ces matériaux : HPVC de 134.0300 - 134.0301 - 134.0302 - 134.0303 - 134.0304, ABS de 134.0180 - 134.0183 - 134.0186.
Puis il faut suivre les directives et recommandation prescrites par le fabricant du vitrage.

e. Panneaux opaques et parties ouvrantes

Des panneaux mur-rideau à vitrage simple, des châssis à l'italienne ainsi que fenêtre ouvrant parallèle à compas font partie des possibilités. A cet égard on a développé des profilés prévus du même détail du profilé-U employé entre le vitrage double. Pour cette solution, il faut coller le vitrage sur les profilés collage vitrage 034.1116.17, 034.0142.17 et 134.0116.17.
Les prescriptions sont décrites dans le chapitre II.5.3.3

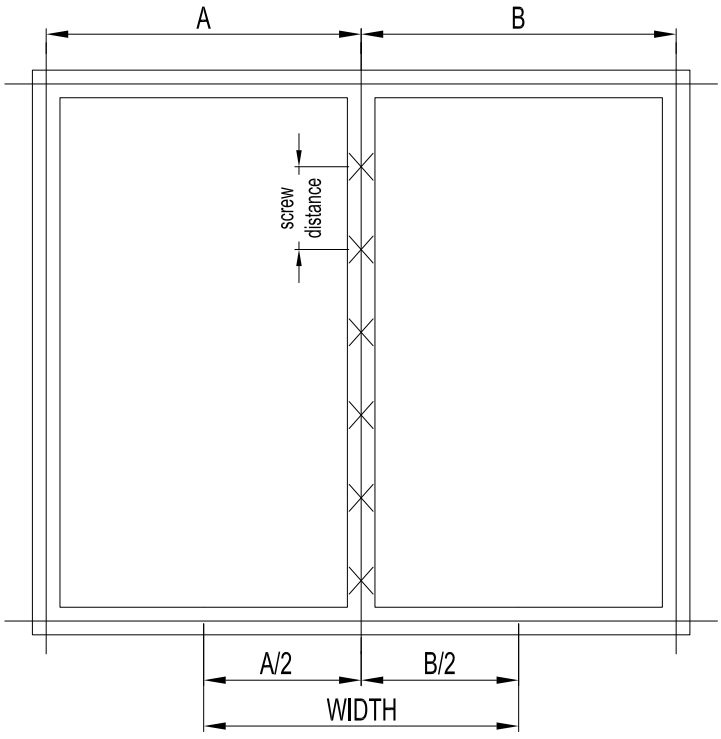
5.3.2 Distance de vissage :

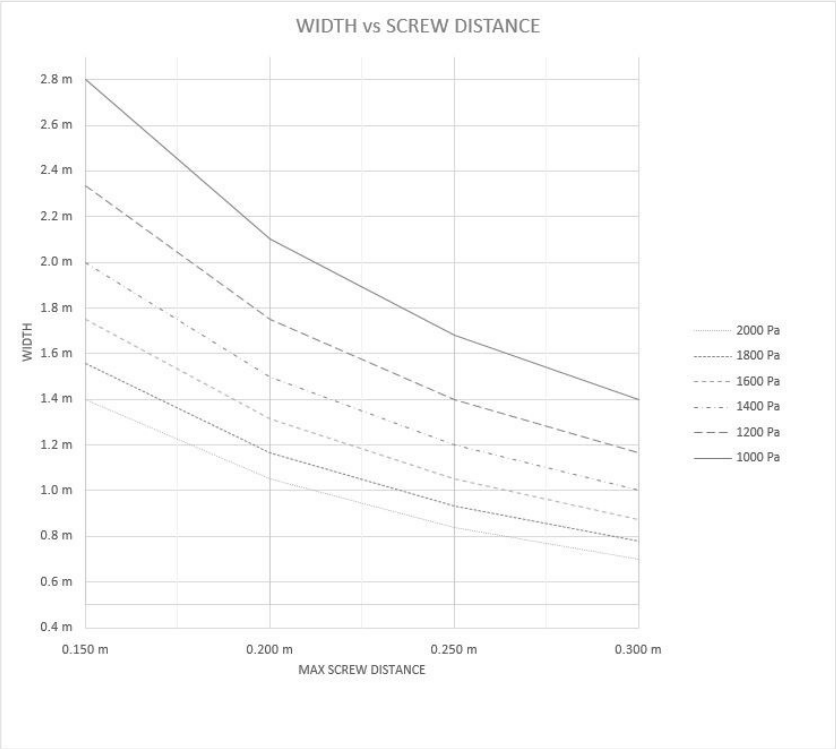
B

Pour les profilés à clamer filants, les distances de vissage possibles sont de 150 mm ou 300 mm selon les pressions du vent et les dimensions d'encombrement.

Pour le système de clampage, veuillez consulter le tableau ci-dessous ; l'outil en ligne peut également être utilisé pour obtenir un calcul et une vérification plus détaillés des distances de vissage autorisées.

Une marge d'erreur doit être prise en compte lors de la consultation des graphiques ci-dessous.
Les graphiques présentés sont une indication de la performance et de l'autonomie que le nouveau système de clampage offre.
Pour un calcul précis, il convient d'utiliser l'outil de calcul en ligne mis à disposition.





B

5.3.3 Vitrage extérieur collé

a. Vitrage extérieur collé: points à respecter

• Colle à utilise = Dow Corning: DC 993 ou Sika: SG500 ou Tremco: VEC99 Proglaze II (ou d'autre mastic indiqué dans l'ETA)

Les essais d'adhérence et de compatibilité avec les matériaux environnants décrits dans le guide EOTA pour des systèmes de vitrage extérieur collé n'ont été réalisés que pour la colle DC 993 /SG500/VEC 99/Proglaze II. Pour chaque nouveau lot du profilé de collage, des essais d'adhérence accélérés (tests dits "peel") sont effectués chez Dow Corning / Sika / Tremco, ainsi que les essais ano. A base des résultats de ces essais, une prescription de collage est faite pour ce lot bien déterminé du profilé de collage (nº DC XXXXX), dans laquelle est indiqué que les profilés ont été approuvés pour emploi extérieur collé. Il est important de remarquer que cette prescription ne reste valable que pendant 6 mois. Un renouvellement de la prescription peut être obtenu en faisant exécuter les essais mentionnés ci-dessus à nouveau après 6 mois.

• Nettoyant à utiliser pour les profilés de collage 034.1116.17, 034.0142.17 et 134.0116.17.
Avant l'application de la colle sur le profilé de collage ce profilé doit être nettoyé. Le nettoyant sert aussi bien de produit de dégraissage que de primaire. L'utilisation d'un primaire supplémentaire n'est pas nécessaire. Ceci est évidemment également mentionné dans la prescription de collage.

• Vitrages possibles
Les vitrages les plus courants peuvent être utilisés dans ce système; nous nous référons au ETA pour donner une réponse définitive.
Pour le double vitrage, la colle à utiliser pour le joint hermétique entre les deux plaques de verre est de préférence le DC 3362 Dow Corning /IG25 SIKA/TREMCO JS562, qui est également une colle pour usage VEC.
Si on choisit la solution de coller sur la feuille de verre extérieure et du vitrage débordé, la plaque de verre extérieure ne peut pas être complètement durcie. Pour du vitrage avec une résistance à la rupture augmentée, uniquement du vitrage demi-durci entre en ligne de compte dans ce cas pour la plaque de verre extérieure. Pour des plaques de verre avec un enduit sur face 2 (la face sur laquelle la colle est appliquée), il est nécessaire dans certains cas d'enlever cet enduit à la hauteur du joint de colle pour garantir une adhérence suffisante dans le temps. Veuillez vous adresser à votre fournisseur du vitrage et/ou à le fournisseur de silicone pour obtenir des renseignements complémentaires.
Min. épaisseur du vitrage 27 Max. épaisseur du vitrage 40.
Les compositions de vitrage admises sont aussi indiquées dans l'agrément technique (ETA).

• Support pour poids propre
Ce système ne peut être utilisé qu'à condition que les deux plaques de verre soient supportées pour leur poids propre, pour que le joint de colle ne soit pas soumis à une charge continue de cisaillement sous l'influence du poids propre. Concrètement cela signifie qu'au moins la moitié de la plaque de verre extérieure doit être supportée. Dans le cas de verre feuilleté, au moins la moitié de la plaque de verre la plus extérieure doit être à moitié supportée: par exemple, pour du verre feuilleté type 44.2 avec une épaisseur totale d'environ 8,8 mm, au moins 7,8 mm doit être supporté. Les couches PVB ne sont en effet pas développées pour accueillir une charge de cisaillement continue.

• Compatibilité des matériaux environnants avec joint extérieur collé
Tous les matériaux environnants du joint extérieur collé doivent être compatibles avec joint extérieur collé. Les matériaux du système comme décrits dans ce catalogue ont évidemment été testés sur leur compatibilité avec le joint extérieur collé, également les joints EPDM utilisés. Si toutefois d'autres matériaux sont appliqués dans le système, les certificats nécessaires de compatibilité doivent être produits sur demande.

• Pièce d'écartement
Le joint 080.9300.04, 080.9301.04, 080.9303.04 est utilisé dans ce système comme pièce d'écartement entre le profilé de collage et le vitrage. Ce joint garantit par conséquent que le vitrage est éloigné partout exactement la même distance du profilé de collage (6,4 mm). L'épaisseur du joint extérieur collé est donc constante. Comme déjà mentionné ci-dessus, ce joint a évidemment aussi été testé sur sa compatibilité avec la colle.

B

• Cales de vitrage
Entre la cale de vitrage aluminium et le verre, un bloc silicone doit être appliqué type colypro (colymit) avec une dureté de 70 jusqu'à 80 SHORE A. Ces blocs ne sont pas inclus dans la gamme Reynaers, mais la plupart des sociétés de collage les ont en stock. Il est important que ceux-ci soient également compatibles avec le joint extérieur collé.

• Sociétés de collage
Le collage ne peut être fait que par de colleurs approuvés pour la réalisation du collage structurel conformément à l'ETAG 002. Le collage entre le vitrage et l'ouvrant doit être parfaitement perpendiculaire pour la fonctionnalité lors de l'ouverture et de la fermeture de l'ouvrant.

b. Commande profilés de collage 034.1116.17, 034.0142.17 et 134.0116.17

Pour chaque projet avec du vitrage extérieur collé, le service technique de Reynaers Aluminium Duffel fait une analyse, à base de laquelle l'accord peut être donné pour la livraison des profilés de collage
Nécessaires. La base de cette analyse est un formulaire de demande rempli (form 158 ou la demande digitale). Cette analyse peut être divisée en 3 parties comme décrit ci-dessous.

• Contrôle dimensions joint extérieur collé
A base de la charge du vent (charge extrême avec période de retour de 10 ans), les dimensions des éléments et la composition du vitrage, on vérifie si la hauteur classique du joint extérieur collé (= 15.5 mm) suffit pour accueillir cette charge du vent. On contrôle également si l'épaisseur du joint extérieur collé (classique 6,4 mm) suffit pour couvrir la différence en expansion thermique entre le verre et l'aluminium.
Une confirmation de ces calculs est également demandée aux sociétés de collage.

• Contrôle des dimensions des éléments
Pour des parties ouvrantes, on vérifie si les dimensions des éléments et le poids des éléments proposés peuvent être éalisés avec les compas dans notre gamme. Nous nous référons aussi aux diagrammes pour dimensions admissibles plus loin dans le catalogue. Pour des parties fixes, on effectue surtout un contrôle du poids (à part bien sûr le contrôle des dimensions du joint mêmes – voir premier point). Si 2 cales de vitrage sont utilisées avec une largeur de 100 mm, ce qui est obligatoire, le poids total de l'élément doit rester limité à 180 kg. Finalement, on vérifie si, avec la composition de verre proposée, la plaque de verre extérieure est à moitié supportée. Ces valeurs ne sont valables qu'en cas où la plaque de verre intérieure est aussi épaisse ou plus épaisse que la plaque de verre extérieure.

• Applications spécifiques
Pour des applications spécifiques (détaillage coin, façade en facettes, façade inclinée,...) et si la solution diffère de la solution du catalogue, la faisabilité technique est vérifiée. Si le projet est approuvé, la prescription de collage de le fournisseur de silicone est envoyée à la client pour le lot en question des profilés de collage 034.1116.17, 034.0142.17 et 134.0116.17.

Annexe: FORM 158

II.6 TRAITEMENT DE LA SERIE CW 50-STRUCTURAL GLAZING (CW 50-SG (= VEC))

II.6.1. Application du joint structural

Les joints structuraux sont appliqués dans les gorges des profilés prévues à cet effet; la longueur
Supplémentaire est légèrement refoulée pour neutraliser le rétrécissement. Les difficultés de mise en place peuvent être résolues à l'aide d'un aérosolsilicone (art.nº 086.9551.--).
Collage (étanchéité): les coupes doivent être collées avec de la colle de vulcanisation (Unionzement art.n° 084.9108.04).

II.6.2. Recommandations de montage

Résultant du genre de ce système, soit l'installation de panneaux de vitrage sur une structure portante, le positionnement de la structure portante même ainsi que la mise en place des éléments sont extrêmement important en vue d'un ancrage correct et pour obtenir une façade bien étanchée à l'air et à l'eau. Les tolérances doivent être limitées à un minimum (différence de 1 à 2 mm comparé au diamètre extérieur nominal).
La structure mur-rideau peut exercer ni de tension statique ni de tension dynamique sur le vitrage. Le fléchissement maximal sous l'influence du vent ne peut pas excéder plus de 1/200 avec un maximum de 15mm. Le fléchissement maximal de la traverse sous l'influence de la charge totale du poids propre du remplissage est de 3mm.

6.2.1 Montage dans le gros œuvre

La fixation au gros œuvre se fait à l'aide d'ancrages. Le nombre et le positionnement des ancrages doivent permettre la transmission des efforts aux supports béton. Ces forces peuvent être : la charge due à l'action du vent, le poids propre, la force d'utilisation, les brise-soleil, les radiateurs, les installations pour les laveurs de vitres, etc.
L'ancrage ne doit surtout pas influencer la force portante des éléments de construction contigus. La position et la mise en œuvre des points d'ancrage ne doivent pas entraîner de déformation ni transmettre des efforts du gros œuvre sur l'élément de façade. Les jeux d'ancrage doivent prévoir les différentes dilatations. Les tolérances du gros œuvre doivent être compensées par la construction de la façade et les ancrages sans qu'une fuite ou trop d'infiltration d'air se produisent.
A cet effet la construction d'ancrage doit offrir assez de possibilités de réglage afin de permettre l'intégration lors du montage. L'ancrage ne doit surtout pas encombrer le bon fonctionnement des parties mobiles et de la quincaillerie. Les mouvements entre le gros œuvre et les éléments de la façade ne doivent pas causer de bruit par glissement sur les ancrages. Souvent les ancrages peuvent former des ruptures thermiques qu'il faudra limiter. Dans ce cas, il faut s'assurer que la résistance mécanique reste suffisante. Tous les ancrages, s'ils ne sont pas en aluminium ou en acier inoxydable, doivent être efficacement protégés contre la corrosion et ne doivent pas corroder l'aluminium.
Par étage ou tous les 4m on prévoit un joint de dilatation. La dilatation dans la hauteur est de max. 4mm.

6.2.2 Montage des ouvrants (remplissages) et éléments mur-rideau.

Pour l'installation des ouvrants sur la structure portante nous nous référons au catalogue page 51.E….

6.2.3 Montage des accessoires

Le choix des points de fixation, du nombre de points de fermeture, du nombre de charnières, du poids max. de l'ouvrant, des dimensions max. de l'ouvrant, etc. doit se faire suivant les instructions du fournisseur des systèmes et du fabricant des accessoires.
Les parties coulissantes et mobiles doivent être pourvues de graisse neutre.
Lors du montage, il faut contrôler si les accessoires peuvent être actionnés de façon souple et sans blocage.
Pour les détails d'encastrement spécifiques nous nous référons au catalogue page 51.F…. .

II.6.3. CW 50-Structural Glazing

6.3.1 Généralités

Le système CW 50 sert comme base du système mur-rideau CW 50-SG (système SG = VEC).
Le système CW 50-SG est une méthode d'installation développée pour la réalisation de toitures et de murs-rideaux plans. Une série de serreurs qui sont vissés dans la rainure de la structure portante, poussent le cadre contre les joints EPDM qui sont fixés sur la fenêtre aluminium. Ceci est possible grâce à une forme U dans le dormant en alu.

6.3.2 Commande des profiles

Pour chaque projet CW 50-SG, le service technique de Reynaers Aluminium Duffel fait une analyse, à base de laquelle l'accord peut être donné pour la livraison des profilés nécessaires.
La base de cette analyse est un formulaire de demande rempli type 'FORM 158', duquel un exemplaire vide est ajouté en annexe. Ce formulaire doit être transmis au service technique de Reynaers Aluminium Duffel, après lequel l'analyse peut être démarrée.

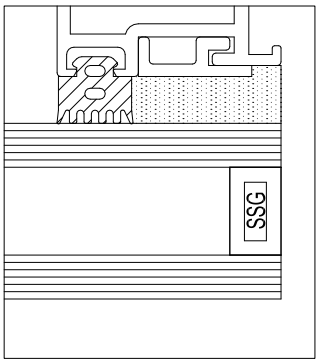
6.3.3 Vitrage extérieur collé

a. Vitrage extérieur collé: points à respecter

• Colle à utilise = Dow Corning: DC 993 Sika: SG500 ou Tremco: VEC99 Proglaze II (ou d'autre mastic indiqué dans l'ETA)

Les essais d'adhérence et de compatibilité avec les matériaux environnants décrits dans le guide EOTA pour des systèmes de vitrage extérieur collé n'ont été réalisés que pour la colle DC 993 /SG500/VEC 99/Proglaze II. Pour chaque

nouveau lot du profilé de collage, des essais d'adhérence accélérés (tests dits "peel") sont effectués chez Dow Corning / Sika / Tremco, ainsi que les essais ano. A base des résultats de ces essais, une prescription de collage est faite pour ce lot bien déterminé du profilé de collage (nº DC XXXXX), dans laquelle est indiqué que les profilés ont été approuvés pour emploi extérieur collé. Il est important de remarquer que cette prescription ne reste valable que pendant 6 mois. Un renouvellement de la prescription peut être obtenu en faisant exécuter les essais mentionnés ci-dessus à nouveau après 6 mois.



• Nettoyant à utiliser pour profilés de collage 034.1116.17, 034.0142.17 et 134.0116.17
Avant l'application de la colle sur le profilé de collage ce profilé doit être nettoyé. Le nettoyant sert aussi bien de produit de dégraissage que de primaire. L'utilisation d'un primaire supplémentaire n'est pas nécessaire. Ceci est évidemment également mentionné dans la prescription de collage.

• Vitrages possibles
Les vitrages les plus courants peuvent être utilisés dans ce système; nous nous référons au ETA pour donner une réponse définitive.
Pour le double vitrage, la colle à utiliser pour le joint hermétique entre les deux plaques de verre est de préférence le DC 3362 Dow Corning /IG25 SIKA/TREMCO JS562, qui est également une colle pour usage VEC.
Si on choisit la solution de coller sur la feuille de verre extérieure et du vitrage débordé, la plaque de verre extérieure ne peut pas être complètement durcie. Pour du vitrage avec une résistance à la rupture augmentée, uniquement du vitrage demi-durci entre en ligne de compte dans ce cas pour la plaque de verre extérieure. Pour des plaques de verre avec un enduit sur face 2 (la face sur laquelle la colle est appliquée), il est nécessaire dans certains cas d'enlever cet enduit à la hauteur du joint de colle pour garantir une adhérence suffisante dans le temps. Veuillez vous adresser à votre fournisseur du vitrage et/ou à le fournisseur de silicone pour obtenir des renseignements complémentaires.
Min. épaisseur du vitrage 24 Max. épaisseur du vitrage 36.
Les compositions de vitrage admises sont aussi indiquées dans l'agrément technique (ETA).

• Support pour poids propre
Ce système ne peut être utilisé qu'à condition que les deux plaques de verre soient supportées pour leur poids propre, pour que le joint de colle ne soit pas soumis à une charge continue de cisaillement sous l'influence du poids propre. Concrètement cela signifie qu'au moins la moitié de la plaque de verre extérieure doit être supportée. Dans le cas de verre feuilleté, au moins la moitié de la plaque de verre la plus extérieure doit être à moitié supportée: par exemple, pour du verre feuilleté type 44.2 avec une épaisseur totale d'environ 8,8 mm, au moins 7,8 mm doit être supporté. Les couches PVB ne sont en effet pas développées pour accueillir une charge de cisaillement continue.

• Compatibilité des matériaux environnants avec joint extérieur collé
Tous les matériaux environnants du joint extérieur collé doivent être compatibles avec joint extérieur collé. Les matériaux du système comme décrits dans ce catalogue ont évidemment été testés sur leur compatibilité avec le joint extérieur collé, également les joints EPDM utilisés. Si toutefois d'autres matériaux sont appliqués dans le système, les certificats nécessaires de compatibilité doivent être produits sur demande.

• Pièce d'écartement
Le joint 080.9300.4, 080.9301.04, 080.9303.04 est utilisé dans ce système comme pièce d'écartement entre le profilé de collage et le vitrage. Ce joint garantit par conséquent que le vitrage est éloigné partout exactement la même distance du profilé de collage (6,4 mm). L'épaisseur du joint extérieur collé est donc constante. Comme déjà mentionné ci-dessus, ce joint a évidemment aussi été testé sur sa compatibilité avec la colle.

• Cales de vitrage
Entre la cale de vitrage aluminium et le verre, un bloc silicone doit être appliqué type colypro (colymit) avec une dureté de 70 jusqu'à 80 SHORE A. Ces blocs ne sont pas inclus dans la gamme Reynaers, mais la plupart des sociétés de collage les ont en stock. Il est important que ceux-ci soient également compatibles avec le joint extérieur collé.

• Sociétés de collage
Le collage ne peut être fait que par de colleurs approuvés pour la réalisation du collage structurel conformément à l'ETAG 002. Le collage entre le vitrage et l'ouvrant doit être parfaitement perpendiculaire pour la fonctionnalité lors de l'ouverture et de la fermeture de l'ouvrant.

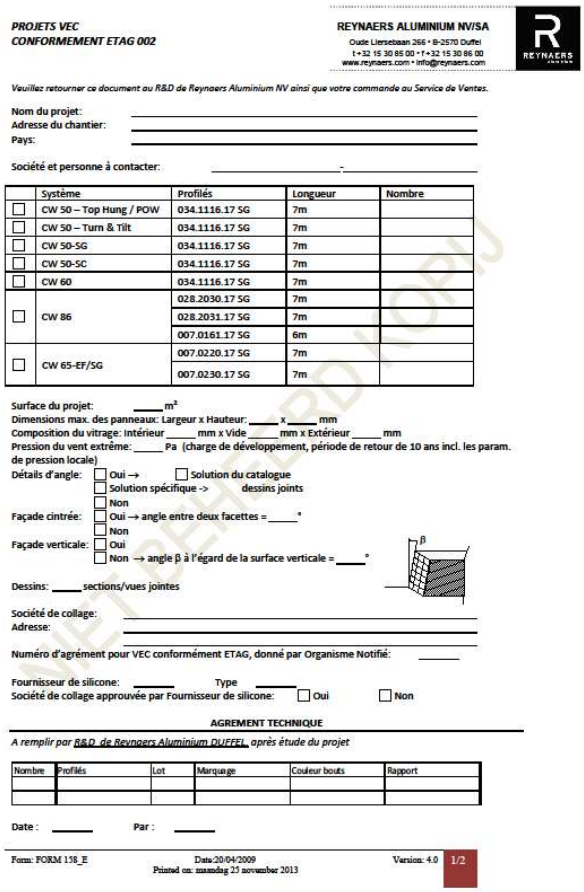
b. Commande profilés de collage 034.1116.17, 034.0142.17 et 134.0116.17
Pour chaque projet avec du vitrage extérieur collé, le service technique de Reynaers Aluminium Duffel fait une analyse, à base de laquelle l'accord peut être donné pour la livraison des profilés de collage
Nécessaires. La base de cette analyse est un formulaire de demande rempli (form 158 ou la demande digitale). Cette analyse peut être divisée en 3 parties comme décrit ci-dessous.

• Contrôle dimensions joint extérieur collé
A base de la charge du vent (charge extrême avec période de retour de 10 ans), les dimensions des éléments et la composition du vitrage, on vérifie si la hauteur classique du joint extérieur collé (= 15,5 mm) suffit pour accueillir cette charge du vent. On contrôle également si l'épaisseur du joint extérieur collé (classique 6,4 mm) suffit pour couvrir la différence en expansion thermique entre le verre et l'aluminium. Une confirmation de ces calculs est également demandée à Dow Corning.

• Contrôle des dimensions des éléments
Pour des parties ouvrantes, on vérifie si les dimensions des éléments et le poids des éléments proposés peuvent être éalisés avec les compas dans notre gamme. Nous nous référons aussi aux diagrammes pour dimensions admissibles plus loin dans le catalogue. Pour des parties fixes, on effectue surtout un contrôle du poids (à part bien sûr le contrôle des dimensions du joint mêmes – voir premier point). Si 2 cales de vitrage sont utilisées avec une largeur de 100 mm, ce qui est obligatoire, le poids total de l'élément doit rester limité à 180 kg.
Finalement, on vérifie si, avec la composition de verre proposée, la plaque de verre extérieure est à moitié supportée.
Ces valeurs ne sont valables qu'en cas où la plaque de verre intérieure est aussi épaisse ou plus épaisse que la plaque de verre extérieure.

• Applications spécifiques
Pour des applications spécifiques (détaillage coin, façade en facettes, façade inclinée, ...) et si la solution diffère de la solution du catalogue, la faisabilité technique est vérifiée. Si le projet est approuvé, la prescription de collage du fournisseur de silicone est envoyée à la client pour le lot en question des profilés de collage 034.1116.17, 034.0142.17 et 134.0116.17

Annexe: FORM 158 > intranet



PROJETS VEC
CONFORMEMENT ETAG 002

REYNAERS ALUMINIUM NV/SA
Oude Liersebaan 266 • B-2570 Duffel
t +32 15 30 85 00 • f +32 15 30 86 00
www.reynaers.com • info@reynaers.com

Veuillez retourner ce document au R&D de Reynaers Aluminium NV ainsi que votre commande au Service de Ventes.

Nom du projet: _____
Adresse du chantier: _____
Pays: _____

Société et personne à contacter: _____

	Système	Profilés	Longueur	Nombre
☐	CW 50 – Top Hung / POW	034.1116.17 SG	7m	
☐	CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐	CW 50-SG	034.1116.17 SG	7m	
☐	CW 50-SC	034.1116.17 SG	7m	
☐	CW 60	034.1116.17 SG	7m	
☐	CW 86	028.2030.17 SG	7m	
		028.2031.17 SG	7m	
		007.0161.17 SG	6m	
☐	CW 65-EF/SG	007.0220.17 SG	7m	
		007.0230.17 SG	7m	

Surface du projet: ____ m²
Dimensions max. des panneaux: Largeur x Hauteur: ____ x ____ mm
Composition du vitrage: Intérieur ____ mm x Vide ____ mm x Extérieur ____ mm
Pression du vent extrême: ____ Pa (charge de développement, période de retour de 10 ans incl. les param. de pression locale)
Détails d'angle: ☐ Oui → ☐ Solution du catalogue
☐ Solution spécifique -> dessins joints
☐ Non
Façade cintrée: ☐ Oui → angle entre deux facettes = ____°
☐ Non
Façade verticale: ☐ Oui
☐ Non → angle β à l'égard de la surface verticale = ____°

Dessins: ____ sections/vues jointes

Société de collage: _____
Adresse: _____

Numéro d'agrément pour VEC conformément ETAG, donné par Organisme Notifié: _____

Fournisseur de silicone: _____ Type _____
Société de collage approuvée par Fournisseur de silicone: ☐ Oui ☐ Non

AGREMENT TECHNIQUE

A remplir par R&D de Reynaers Aluminium DUFFEL après étude du projet

Nombre	Profilés	Lot	Marquage	Couleur bouts	Rapport

Date : _____ Par : _____

Form: FORM 158_E Date:20/04/2009 Version: 4.0 1/2
Printed on: maandag 25 november 2013

NIET BEHEERD EXEMPLAAR

PROCESSING DATA

I. GENERAL

See catalogue “1.General information”(089.C01G.00 edition 09/2018)

II. PROCESSING DATA CW 50 & CW OPENING ELEMENTS

II.1 FABRICATING INSTRUCTIONS

In order to guarantee a perfect end product, the following guidelines should be adhered to during the production process.

II.1.1 Machining operations

Machining operations are understood to mean all mechanical operations such as sawing, milling, drilling, punching, routing and cutting. For painted profiles it is essential that the paint coatings do not flake off at the edges during these operations. Therefore it is very important for the quality of the connections that:
- the metal-removing tools are appropriate and sufficiently sharp;
- the machines are well adjusted (e.g. number of revolutions);
- the tools are regularly checked;
- the metal-removing tools are greased sufficiently and correctly: cutting grease block (art. no. 086.9191.--) for saw blades, cutting SPRAY (art. no. 086.9175.--) for punch tools or the cooling agents and lubricants prescribed by the machine suppliers;
- the appropriate clamp blocks are used;
- the cutting table is free of swarf and dust;
- possible cooling is done by means of chemically neutral products that do not attack the surface treatment.

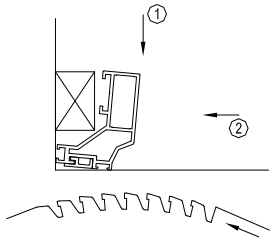
It is recommended to vacuum-extract any chips produced during machining. All cuts that form a joint, such as: corner and T-joints, must be protected with Reynaprotector (art.no. 086.9206.SY + 095.P200.--). Other cuts, such as glazing beads, terminal strips, etc. must be protected with Reynaers Anti-corro (art.no. 086.9606.--), as well as milling cuts, boreholes, punch holes, etc.

Position/clamping of the profiles during cutting:

The position of the profiles on the sawing table during cutting is very important and is the basis to get perfect connections during assembly of the construction.
The biggest clamping pressure should always be on the “reference side” of the profiles.
The “reference side” has to be put perfectly horizontally or vertically on the sawing table.
Clamp blocks should be used:
a. to ensure that tolerances on the profiles do not influence the quality of the connection;
b. to ensure that the profiles do not twist on the table.
Reference side -> <- Reference side

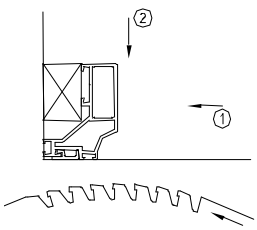
INCORRECT CLAMPING

FAULT: The clamping pressure is on the upper side of the profile, allowing it to twist during cutting.
CONSEQUENCE: An oblique saw cut resulting in the outside of the profile being shorter than the inside.
RESULT: On assembly, the corner is closed on the inside and open on the outside.



CORRECT CLAMPING

Here, the clamping pressure is on the rebate side of the profile, and the visible side undergoes a smaller, secondary pressure.
The profile is prevented from twisting or deforming during cutting. A perfect joint is obtained on assembly.
Remark:
It is recommended to exhaust the swarf during the cutting.



II.1.2 Assembly

General application :

The assembly of suspension profiles and transoms is done by positioning the transoms partly forward of the suspension profiles. This method allows drainage of the transoms into the suspension profiles without interrupting the vertical drainage chamber. The sealing channels are provided with an EPDM end gasket that seals both suspension profile and transom without using any silicones.The applied transoms are fixed by means of stainless steel screws.

The difference in level of the sealing channels, caused by the higher positioning of the transoms, is compensated by the use of different glazing gaskets in the suspension profiles and transoms. In spite of their difference in thickness, the inside aspect along the length of the sealing is equal. This is achieved by the L-shape of the sealing in the transom.

We make the following subdivision:

1. Corner connections;
2.T-brackets;
3. Longitudinal joint;
4. Drainage and recesses for the accessories;
5. Gaskets;

B

1.2.1 Corner connections of outer frames and vent (filling elements)

Steps:

a. Correct sawing, punching or drilling.

b. Protection of the treated surfaces by:

- de-burring (if necessary);
- removing dust and sawdust on the treated surfaces and in the profile chamber;
- degreasing (REYNAFINISH 60 art.no. 086.9210.--);
- applying anti-corrosion product (REYNAPROTECTOR art.no. 086.9206.SY and FOAM ROLL 095.P200.--); drying time: about 1 hour.

c. Sealing: applying a neutral elastic sealing agent on the treated surfaces.

d. Gluing: applying an approved sealing glue (REYNASEAL DUO art.no. 084.9080.--):

- in the profile chamber;
- in the area where the rebate support will be inserted.

e. Making the connection: the corner cleats can be inserted and the mechanical corner connection can be made, either by crimping or by screwing/driving-in pins.

f. The adhesive residue on the visible sides of the completed elements has to be removed by means of a non-aggressive product (REYNAFINISH 60 art.no. 086.9210.--).

Remark: In case of glue injection, the elements are first combined and glued / sealed afterwards.

1.2.2 T-bracket of the supporting structure

Steps:

a. Correct sawing, punching or drilling.

b. Protection of the treated surfaces by:

- de-burring (if necessary);
- removing dust and sawdust on the treated surfaces and in the profile chamber;
- degreasing (REYNAFINISH 60 art.no. 086.9210.--);
- applying anti-corrosion product (REYNAPROTECTOR art.no. 086.9206.SY and FOAM ROLL 095.P200.--); drying time: about 1 hour.

c. Sealing: by means of an end gasket.

- in case of a temperature difference of 20° on an aluminum profile of 1m the difference in length will be ± 0.5mm. Consequently it is not necessary to provide a transom smaller than 1m with an end gasket (punching 15mm instead of 18mm). It is however necessary to apply an end gasket in case the transoms are longer than 1m; this in order to avoid stresses on the profiles. If working without end gasket, we recommend to make the opening with a double saw (ref. 095.D440.00) in order to increase the finishing level.

d. Make the connection mount the T-bracket and screw down.

e. The adhesive residue on the visible sides of the completed elements has to be removed by means of a nonaggressive product (REYNAFINISH 60 art.no. 086.9210.--).

1.2.3 Longitudinal joint (see pages 51.f….)

Steps:

a. Correct sawing and drilling (min. length = 1000mm)

b. Protection of the treated surfaces by:

- de-burring (if necessary);
- removing dust and sawdust on the treated surfaces and in the profile chamber;

- degreasing (REYNAFINISH 60 art.no. 086.9210.--);
- applying anti-corrosion product (REYNAPROTECTOR art.no. 086.9206.SY and FOAM ROLL 095.P200.--); drying time: about 1 hour
c. Application of gasket for expansion profile (art. no. 080.9503.04 and 080.9903.04) into connection profile.
d. Make the connection : apply a polypropylene tape on the connection profile, connect the profiles and apply an elastic sealing agent (SILICONE f.i.: 084.9063.XX).
e. drainage longitudinal joint, see 51.F…
f. The adhesive residue on the visible sides of the completed elements has to be removed by means of a nonaggressive product (REYNAFINISH 60 art.no. 086.9210.--).

1.2.4 Drainage, decompression and recesses for the accessories
Steps:
a. Marking of recesses
b. Correct punching, drilling or milling.
c. Protection of the treated surfaces by:
- de-burring (if necessary);
- removing dust and saw-dust ;
- degreasing (REYNAFINISH 60 art.no. 086.9210.--);
- applying anti-corrosion product (REYNAPROTECTOR art.no. 086.9206.SY and FOAM ROLL 095.P200.--) ; drying time: about 1 hour.

Special attention should be paid to the following regarding drainage / decompression (see 51.F…):
- Possible infiltrating water must be drained smoothly under control and one must be sure that the profile's chambers remain at atmospheric pressure.

For windows, drainage holes should be a maximum of 250 mm from the corner : up to a window width of 1000 mm:
2 drainage holes; up to a window width of 1500 m: 3 drainage holes.
Additional holes are required every 500 mm.

Transom drainage holes: (see 51.F…)
- Up to 1200mm intermediate distance between the suspension profiles, drainage via suspension profiles
- 1 central opening in case the intermediate distance between the suspension profiles is less than 1500mm. In case the intermediate distance between the suspension profiles exceeds 1500mm, the max. distance between the drainage holes is 500mm with a max. distance to the corners of 500mm.
- With the usage of butyl tape in the horizontal section, drainage holes must be foreseen,
2 drainage holes must be applied at the profile ends.
- The minimum surface of these openings is 50 mm2 per opening, either a round opening of minimum 8 mm diameter, or elongated openings of minimum 5 mm by 15 mm.
- On the side at the top of the vent at least 2 openings of minimum 5 mm should always be drilled. Its function is to guarantee the pressure equalization around the glazing.
- Always drain at the lowest point of the glass rebate.

1.2.5 Gaskets
All gaskets are of EPDM resistant to weathering and ageing. They should be carefully applied since the tight sealing of the curtain wall depends on their correct application.
Applying the glazing gaskets
Steps:
1. Correct cutting: the glazing gasket should be cut with special gasket shears (art.no. 090.0121.UN) and can be cut straight or mitred according to the kind of profile connection. Extra length (about 10 mm per metre) is required.
2. Application of the gasket: the gaskets are applied in the appropriate grooves within the profiles; they should be cut slightly longer than is necessary to compensate for any shrinkage that may occur. Difficulties in applying the gasket can be solved by the use of silicone spray (art.no. 086.9551.--).
3. Gluing (sealing): the cuts should be degreased with Reynaers Safety Clean (art. no. 086.9231.--) and Reynaers primer seal & bond special (086.9232.--) and the joints should be glued with vulcanizing glue Reynafix (art.nr. 084.9108.--).

This vulcanising agent will remain elastic and because of this the gasket will also fit perfectly into the corners.

II.2 INSTALLATION

Arising from the type of this system, in particular the fitting of glass panels on a supporting structure, both the positioning of the supporting structure itself and the fitting of the elements on this structure are extremely important with a view to a correct anchoring and to obtain a good wind- and watertight curtain wall structure.
Tolerances must consequently be restricted to an absolute minimum (max. difference of 1 to 2 mm compared with the nominal outside dimension).
The curtain wall structure may exert neither a static nor a dynamic stress on the glazing.
The maximum deflection under the influence of the wind may not exceed 1/200th with a maximum of 15mm.
The maximum deflection of the transom under the influence of the self-weight of the filling is 3mm.

Inclining and gabled curtain wall
For inclining and gabled curtain walls we always apply an aluminium butyl tape on the glazing (art. 084.9711.04, 084.9712.04 or 084.9713.04). This aluminium butyl tape must be processed at a temperature of between +5°C and +40°C. The surface must be dry and clean.
In case of inclining curtain walls it is obliged to apply security glass (see prescriptions of the glass supplier). The roof slope should be at least 5°,without moving parts.

II.2.1. Fitting into the structural opening

The curtain wall element is fixed on the supporting structure by means of anchorings. Quantity, position and anchoring method must be so that forces applied on the curtain wall element can be transferred to the adjacent building structure.
These forces can be : wind load, self-weight, application load, sun protection, radiators, installations for window-cleaners,...
Anchoring may under no condition influence the bearing power of the adjacent building parts. Anchorings or other fixations must be positioned and executed in such way that the construction cannot be loaded by the surrounding structure or be deformed.
Changes in the length, resulting from temperature fluctuations, must be allowed for.
Also, the allowed tolerances of the structural work must be compensated for by the curtain wall construction and anchorings without any water leakage or air infiltration.
Therefore the anchoring construction must offer enough adjusting possibilities in order to allow fitting during assembly. Anchorings may under no condition hinder the good functioning of moveable parts and accessories. Movements between the structural work and the curtain wall element may not cause any disturbing noise caused by the anchorings.
In certain cases, anchorings can cause a thermal bridge. In those cases it will be necessary to restrict the flow of heat as much as possible. The mechanical strength however must remain sufficient.
All anchorings, as far as they are not made of aluminum or stainless steel, should be adequately corrosion-protected and may not attack the aluminum themselves. In order to realize the connection between the rough structure and the sealing 080.9800.04, we are using a sealing paste 084.9104.04 (not suitable for soft PVC)

II.2.2. Transport
Assembled elements must be well packed in order to avoid damages when moving or transporting them to the site.

II.2.3. Fitting of the accessories
The choice of the fixing points, number of locking points, number of hinges, max. vent weight, max. vent sizes, vent profile used etc. depends on the instructions of the system supplier and the accessory producer. Sliding and moving parts should be provided with neutral grease.
When fitting, please check whether all accessories can be operated easily and without getting jammed.

II.2.4. Fitting of the MOTOR
The choice of the motors for THW and POW in relation with the wing dimensions is shown in chapter E and F. This according the guide lines from D+H mechatronic.
The technical info regarding the connection between the different motors and the connection on an electrical circuit must be obtained at D+H mechatronic.

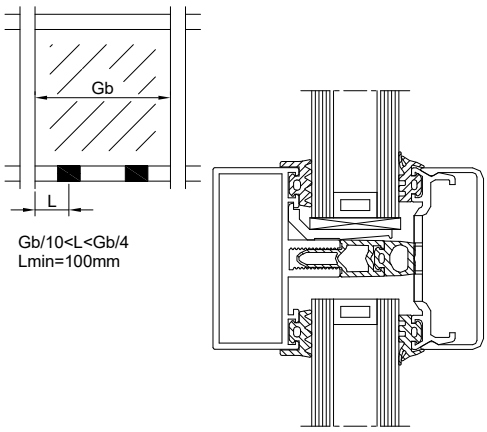
II.3 GLAZING

The CW 50 system is designed for glazing with EPDM gaskets.

The applied glazing system is the so-called a pressure equalised glazing system.
This system allows a certain extent of water infiltration in the construction. The infiltrated water must be drained in a controlled way by the vertical suspension profiles or by the drainage holes applied in the caps of pressure plates of the horizontal profiles.
The following aspects are of major importance for this glazing system :
- the inner gasket must be air tight;
- the outer gasket must prevent water from infiltrating into the rebate. Therefore, one should overlap the gaskets in order to avoid openings in the corners;
-when applying the glazing one should take into account a clearance of at least 10mm from the aluminium frame (5mm at each side).
- Clamping of the glazing in the curtain wall is at least 13mm, depending on the application. See indication in the glass tables.

Fixation of the glazing
Glass panels may not be in direct contact with the aluminium without application of glazing blocks and a gasket. In case of insulated glass, both glass plates must be regularly supported.

The supporting blocks, supported by an aluminium glass support, should transfer the glass weight on to the profiles and must be positioned at a distance of 0.25 to 0.1 times the length of the glass width (at least 100mm) from the corner of the glazing. The reference point is the centre of these blocks.
Safety ring 073.8203 is only used as temporary fixation of the glass.
The pressure plates can then be fixed according to specifications.
The pressure plates are designed to take the wind and weight load.



In order to restrict deflection of the suspension profile under the influence of the glass weight, we recommend to position the glass supports at the glass corners, taking into account the above mentioned restrictions. The application of a PVC drainage profile in combination with a gasket prevents infiltrating water on the borders of the glazing below.

The application of drainage holes in the pressure plate just above the gasket allows the drainage of possible infiltrated water.
Pressure plates can be applied after placement of the glazing. These pressure plates are screwed down in the channels of the supporting structure by means of SPECIAL screws In order to obtain a suitably sealed system, these screws must be fixed with a tightening moment of 400 Ncm.
It is important to check the processing and compatibility requirements of the glass supplier before the actual assembly of the system. The properties of the different types of glass will be preserved.

II.4 TECHNICAL INFORMATION

It is necessary to make calculations on strength and stiffness for each construction.
As for your information, part B of this catalogue shows some tables and graphs
Each aluminium curtain wall construction the height of which exceeds 25m above the ground floor must be provided with an earthing. In case profiles are broken by means of an expansion joint these profiles have to be connected (see catalogue part F, chapter expansion).

II.5 PROCESSING OF CW 50-STRUCTURAL CLAMPED (CW 50-SC)

II.5.1. GASKETS

All gaskets are of EPDM resistant to weathering and ageing. They should be carefully applied since the tight sealing of the curtain wall depends on their correct application.

Applying the glazing gaskets

Steps:
1. Correct cutting: the glazing gasket should be cut with special gasket shears (art.no. 090.0121.UN) and can be cut straight or mitred according to the kind of profile connection. Extra length (about 10 mm per metre) is required.
2. Application of the gasket: the gaskets are applied in the appropriate grooves within the profiles; they should be cut slightly longer than is necessary to compensate for any shrinkage that may occur.
Difficulties in applying the gasket can be solved by the use of silicone spray (art.no. 086.9551.--).
3. Gluing (sealing): the cuts should be degreased with Reynaers Safety Clean (art. no. 086.9231.--) and Reynaers primer seal & bond special (086.9232.--) and the joints should be glued with vulcanizing glue Reynafix (art.nr. 084.9108.--). This vulcanising agent will remain elastic and because of this the gasket will also fit perfectly into the corners. Corner pieces are glued at the ends by means of vulcanising glue.

II.5.2. INSTALLATION

Arising from the type of this system, in particular the fitting of glass panels on a supporting structure, both the positioning of the supporting structure itself and the fitting of the elements on this structure are extremely important with a view to a correct anchoring and to obtain a good wind- and watertight curtain wall structure.
Tolerances must consequently be restricted to an absolute minimum (max. difference of 1 to 2 mm compared with the nominal outside dimension).
The curtain wall structure may exert neither a static nor a dynamic stress on the glazing.
The maximum deflection under the influence of the wind may not exceed 1/200th with a maximum of 15mm. The maximum deflection of the transom under the influence of the self-weight of the filling is 3mm..

5.2.1 Fitting into the structural opening

The curtain wall element is fixed on the supporting structure by means of anchorings. Quantity, position and anchoring method must be so that forces applied to the curtain wall element can be easily transferred to the adjacent building structure. These forces can be: wind load, self-weight, application load, sun protection, radiators, installations for window-cleaners, ...

The anchoring may on no condition influence the bearing power of the adjacent building parts. Anchorings or other fixations must be positioned and executed in such a way that the element cannot be loaded by the surrounding structure and that the element is not deformed. Changes in the length, resulting from temperature fluctuations, must be allowed for. Also, the allowed tolerances of the structural work must be compensated for by the curtain wall construction and the anchorings without any water leakage or too much air infiltration. Therefore the anchoring construction must offer enough adjusting possibilities in order to allow fitting during assembly.

Anchorings may on no condition hinder the good functioning of moveable parts and accessories.

Movements between the structural work and the curtain wall elements may not lead to any disturbing noises caused by the anchorings. Depending the situation and chosen clamping profiles, the number of expansion joints and maximum span between the expansion joints should be calculated. The smallest clamping profiles (type 034.0130.00 & 034.0138.00) cannot exceed 4mm expansion. The longer clamping profiles (type 034.0175.00 & 34.0176.00) cannot exceed +4mm or -6mm. Additional details can be found on pages 51.F. …

B

5.2.2 Fitting of the opening vents (filling elements)and spandrel elements

For fitting the vents on the supporting structure we refer to the catalogue pages 51.E…. .

5.2.3 Fitting of the accessories

The choice of the fixing points, number of locking points, number of hinges, max. vent weight, max. vent sizes, vent profile used etc. depends on the instructions of the system supplier and the accessory manufacturer. Sliding and moving parts should be provided with neutral grease.

When fitting, please check whether all accessories can be operated easily and without getting jammed. For specific fitting details we refer to the catalogue pages 51.F…. .

II.5.3. GLAZING

5.3.1 General

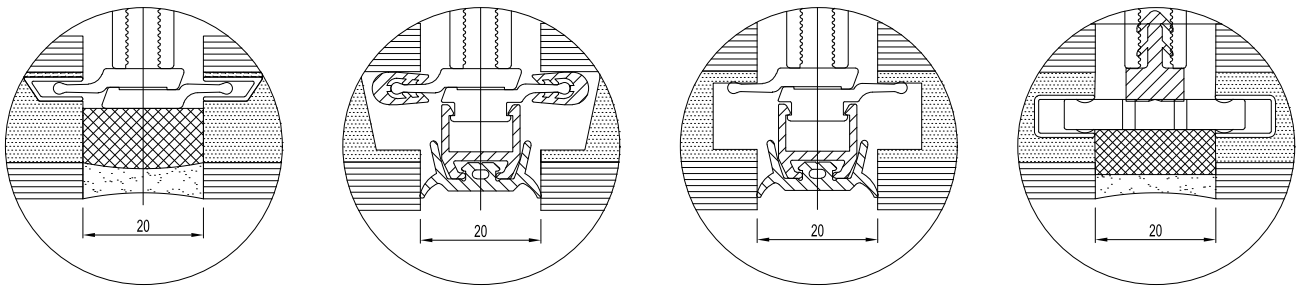
The CW 50 curtain wall system is the basis for the glass facade system CW 50-SC.

The CW 50-SC system is a fitting method to obtain completely flush roofs and curtain walls.

A series of pressure plates, which are screwed in the screw channels of the supporting structure, press the glass against the EPDM gaskets fixed on the aluminium frames. This is possible thanks to a U profile which is worked into the assembly joint of the double glazing (patent double glazing with U-profile Glaverbel. If delivered by other companies, acceptance of Technical Director Reynaers Aluminium is necessary)

The recess can be done in 4 different ways : by means of a U-shaped profile during assembly or by means of a free inner glass sheet so the clamping can be combined with an EPDM gasket that is applied on the inner glass sheet, or by means of a silicone wall on the inner glass sheet so the clamping is done directly on the silicone wall.

Filling slots between glass panels by silicone, it is possible to make a roof with a slope of 7° (ETAG 002).



a. Support of the self-weight:

The self-weight of the two glass plates should be supported by supporting blocks of polymerised silicone (minimum shore A75 at 20°C). Per glazing two supporting blocks should be fitted at minimum 50 mm from the corners. The length of the supporting blocks (in mm) is calculated as follows:

$$L = \frac{S \times 250}{R}$$

L = length of the supporting block (mm)
S = surface of the glazing (m²)
R = allowed pressure on the supporting block (N/cm²)
(polymerised silicone shore A80 : R = 9 N/cm²).

When a roof is concerned, L has to be multiplied by the sin a (a is the angle of inclination of the roof
Compared to the horizontal surface).
The outer plate has to be supported at least for half of its thickness. In case of laminated glazing the most outer glass plate has to be at least half supported. The PVB layers are indeed not developed to receive a continuous shearing load.
The insulated glazings are joined together by means of silicone and form part of a technical approval.

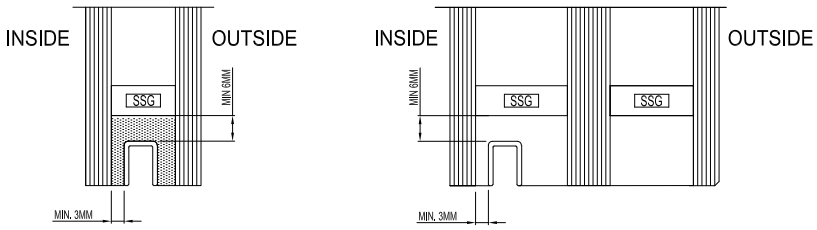
Terminology:
d1 = thickness outer glass plate
de = width of the spacer min. 15 mm
d2 = thickness inner glass plate: min. 6 mm
i = height of the U profile: 10 mm
r = height of the structural joint
e = height of the spacer
h = i + r + e
d1 + de + d2 : max. 40 mm
Remark: The edges of the outer glass plate are grinded. The edges of the inner glass plate are normally bevelled unless otherwise ordered.

b. Fabrication possibilities:

The tolerances on the glass sizes are +/- 2 mm.
For the outer glass plate float glass, half-hardened, hardened and laminated glass are suitable.
The inner glass plate may never be completely hardened, except for the situations presented in the section 5.3.1 C, same exception is applied to the half-hardened (durci) glass. For glass with increased breaking resistance only half-hardened glass (durci) is suitable in this case for the inner glass plate, except for the panels having no access from the inside of the building, the 'balustrade' without impact risk. For the inner plate also laminated glass is allowed.
Tightening the joints between the glass panes is done with elastic silicone applied against synthetic profiles 034.0184.04, 034.0185.04 or after applying a filling consisting of a polyethylene foam strip with closed cells. Compatibility with the different surrounding materials must be demonstrated, see section II.5.d. This joint ensures a perfect air- and water tightness. Silicone joints on the outside of the façade must be weather proof and UV-resistant.. To obtain a uniform colour aspect on opening parts at the glass edge, the back of the glass overhang should be covered with silicone.

c. Use of hardened glass is permitted only in the situation presented below:

minimum distances must be strictly respected**:**



d. Compatibility with surrounding materials:

The compatibility of all products is necessary. This has to be checked by the person who fits the glazing. For each assignment, he should contact the glass manufacturer to know which type of glue was used for filling the cavity of the double-glazing. For the silicone joint between the glass panes, for example, the following weather-resistant silicones can be used: Dow Corning: DC791 or Sika: WS 605 or Tremco: Proglaze LMA. These have been tested for compatibility with the following structural silicones: Dow Corning: DC993 or Sika: SG500 or Tremco: VEC99/Proglaze ll.
The compatibility between the sealant joint and the articles in contact with this joint must also be demonstrated. For example, the following weather resistant silicones; DC 791 or Sika: WS 605 or Tremco: Proglaze LMA have been tested for compatibility with these materials; HPVC of 134.0300 - 134.0301 - 134.0302 - 134.0303 - 134.0304, ABS of 134.0180 - 134.0183 - 134.0186
The guidelines and recommendations given by the glass manufacturer should moreover be strictly followed.

e. Spandrelpanels and opening parts:

Balustrade panels with a single glazing, top-hung windows and parallel opening windows with friction stays also belong to the possibilities. For this purpose, profiles were developed which have the same details as the U profile between the double glazing. In case of this solution the **glass** should be glued on special glueing profiles developed for this purpose: 034.1116.17, 034.0142.17 and 134.0116.17. The instructions for this operation are discussed in chapter II.5.3.3

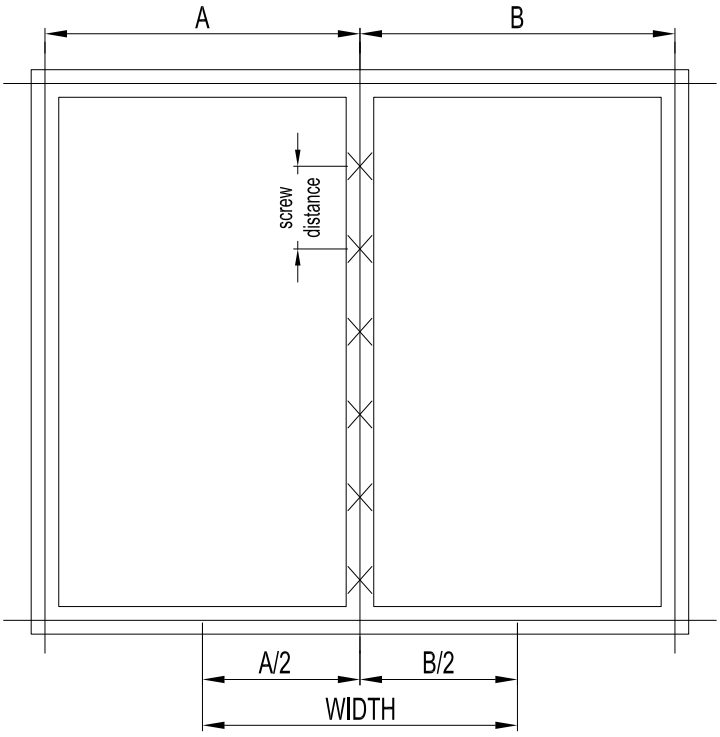
5.3.2 Order of the profiles

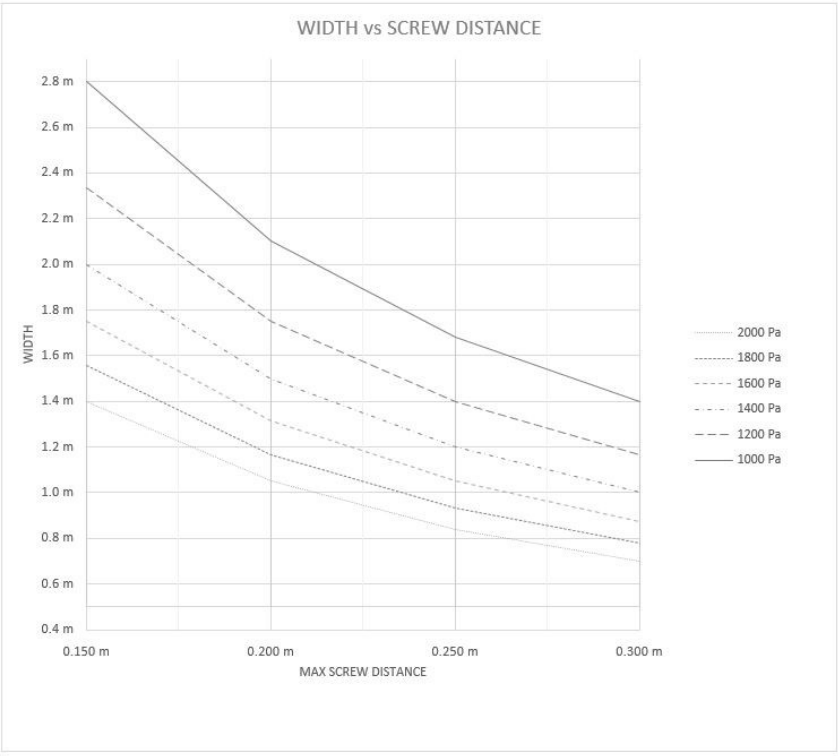
For the continuous clamping profiles, possible screw distances are 150 mm or 300mm depending on the wind pressures and overall dimensions.

For the toggle clamping system please observe table below; the online tool can also be used to obtain a more detailed calculation and verification of the permitted screw distances.

A margin of error should be taken when consulting the graphs below.
The presented graphs are an indication of the performance and autonomy the new toggle system provides.
For a precise calculation the released online calculation tool must be used.

B





5.3.3 Structural glueing

a. Structural glueing : items to be observed

•Structural glue to be used = Dow corning: DC 993 Sika: SG500 or Tremco: VEC99 Proglaze II (or other silicones indicated in ETA).
The adherence tests and compatibility tests with surrounding materials described in the EOTA guide for structural glazing systems have only been performed for the structural glue DC 993/SG500/VEC 99/Proglaze II. For each new batch of glueing profile Dow Corning/Sika/Tremco performs accelerated adherence tests (so called peel tests). Based on the results of these tests, a glueing prescription for this particular lot of the glueing profile is drawn up (no. DC XXXXX), stating that the profiles have been approved for structural use. Note that this prescription only remains valid for 6 months. A renewal of the prescription can be obtained by having the abovementioned tests performed again after 6 months.

•Cleaner to be used for glueing profiles 034.1116.17, 034.0142.17 and 134.0116.17
Before applying the structural glue to the glueing profile, this profile has to be cleaned. The cleaner has the double function of degreaser and primer. The use of an extra primer is not necessary. This is of course also mentioned in the glueing prescription.

• Possible glazing types
The most current glazing types can be used in this system; we refer to the ETA for more precise information. For double glazing the glue DC 3362 Dow Corning/IG25 SIKA/TREMCO JS562, which is also a structural glue, is preferably used for the hermetic joint between both glass plates. The solution with glueing on the outer glass plate and stepped glazing implies that the outer glass plate may not be fully hardened. For glass with increased breaking resistance, only half hardened glass (durci) is suitable for the outer glass plate in this case. Glass plates with a coating on the side on which is glued, require in certain cases the removal of this coating at the height of the glue joint to guarantee sufficient long-lasting adhesion. For more information please contact the glass supplier and/or the silicon supplier.

Min. glass thickness 27 mm Max. glass thickness 40 mm.
The allowed glass compositions are also indicated in the technical approval (ETA).

• Support for self-weight
This system may only be used if there is support of both glass plates for self-weight, so that the glue joint is not submitted to a continuous shearing load under the influence of self-weight. In practice this means that at least half of the outer glass plate has to be supported. In case of laminated glazing at least half of the most outer glass plate has to be half supported: e.g. for laminated glazing type 44.2 with a total thickness of approximately 8.8 mm, at least 7.8 mm has to be supported. The PVB layers are indeed not developed to receive a continuous shearing load.

• Compatibility of the surrounding materials with the structural seal
All surrounding materials of the structural joint have to be compatible with the structural glue. The materials of the system shown in this catalogue, including the EPDM gaskets used, have of course been tested on their compatibility with the structural glue. However, if other materials are applied in the system, the required compatibility certificates must be shown when asked.

• Spacer
The gasket 080.9300.04, 080.9301.04, 080.9303.04 is used in this system as spacer between the glueing profile and the single glass. This gasket ensures consequently that the distance between the glass and the glueing profile is everywhere exactly the same (6.4 mm). The result is a constant thickness of the structural joint. As already mentioned above, this gasket has of course also been tested on its compatibility with the structural glue.

• Glass supports
Between the aluminium glass support and the glass a silicone block type colypro (colymit) with hardness of 70 to 80 SHORE A has to be fitted. These blocks are not included in the Reynaers range but most glueing companies keep them in stock. Their compatibility with the structural seal is also very important.

• Glueing companies
Glueing can only be done by glueing companies approved for structural glueing according to ETAG 002. Glueing between the glass sheet and the vent profile must be at right angles in order to guarantee the good functionality of the vent when opening and closing it.

b. Order glueing profiles 034.1116.17, 034.0142.17 and 134.0116.17

For each structurally sealed glass related project, the technical department of Reynaers Aluminium Duffel has to conduct an investigation on the basis of which an approval can be given for the delivery of the necessary glueing profiles. The basis of this investigation is a completed application form 158 or digital request. This investigation can be split up into the following 3 parts:

• Checking the sizes of the structural joint
Based on the wind load (peak wind load with a returning period of 10 years), the element sizes and the glass composition, it is checked whether the standard height of the structural joint (= 15.5 mm) is sufficient to take up this wind load. It is also checked whether the thickness of the structural joint (standard 6.4 mm) is sufficient to cover the difference in thermal expansion between glass and aluminium.
Silicone supplier is also asked for confirmation of these calculations.

• Checking the element sizes
For opening parts, it is checked whether the proposed element sizes and the element weight can be realised with the friction stays in our product range. We also refer to the diagrams for permissible sizes further on in the catalogue. For fixed parts, mainly a weight check is carried out (next to the control of the joint sizes themselves of course - see first item). If 2 glass supports with a width of 100 mm are used, which is compulsory, the total element weight has to remain restricted to 180 kg. Finally, it is checked whether, with the proposed glass composition, the outer glass plate is half supported.
These values are only valid in case the inner glass thickness is equal to or bigger than the outer glass thickness.

• Specific applications
For specific applications (angle details, curtain wall in facets, sloped curtain wall,...) the technical feasibility is checked in case the solution is different from the catalogue solution.
After approval of the project, the glueing prescription of the silicone supplier for the lot of glueing profiles 034.1116.17, 034.0142.17 and 134.0116.17 concerned is sent to the customer.

Exhibit: FORM 158

II.6 PROCESSING OF CW 50-STRUCTURAL GLAZING (CW 50-SG)

II.6.1. Application of the structural gasket
The structural gaskets are applied in the appropriate grooves within the profiles; they should be cut slightly longer than is necessary to compensate for any shrinkage that may occur. Difficulties in applying the gasket can be solved by the use of silicone spray (art.no. 086.9551.--).
Glueing (sealing): the cuts should be glued with a vulcanising agent (Unionzement art.no. 084.9108.04).

II.6.2. Installation
Arising from the type of this system, in particular the fitting of glass panels on a supporting structure, both the positioning of the supporting structure itself and the fitting of the elements on this structure are extremely important with a view to a correct anchoring and to obtain a good wind- and watertight curtain wall structure.
Tolerances must consequently be restricted to an absolute minimum (max. difference of 1 to 2 mm compared with the nominal outside dimension).
The curtain wall structure may exert neither a static nor a dynamic stress on the glazing. The maximum deflection under the influence of the wind may not exceed 1/200th with a maximum of 15mm. The maximum deflection of the transom under the influence of the self-weight of the filling is 3mm.

6.2.1 Fitting into the structural opening
The curtain wall element is fixed on the supporting structure by means of anchorings. Quantity, position and anchoring method must be so that forces applied to the curtain wall element can be easily transferred to the adjacent building structure. These forces can be: wind load, self-weight, application load, sun protection, radiators, installations for window-cleaners, ...
The anchoring may on no condition influence the bearing power of the adjacent building parts. Anchorings or other fixations must be positioned and executed in such a way that the element cannot be loaded by the surrounding structure and that the element is not deformed.
Changes in the length, resulting from temperature fluctuations, must be allowed for.
Also, the allowed tolerances of the structural work must be compensated for by the curtain wall construction and the anchorings without any water leakage or too much air infiltration.
Therefore the anchoring construction must offer enough adjusting possibilities in order to allow fitting during assembly.
Anchorings may on no condition hinder the good functioning of moveable parts and accessories.
Movements between the structural work and the curtain wall elements may not lead to any disturbing noises caused by the anchorings.
For each level or every 4m an expansion joint has been foreseen. Expansion in the height cannot exceed 4mm.

6.2.2 Fitting of the opening vents (filling elements) and spandrel elements
For fitting the vents on the supporting structure we refer to the catalogue pages 51.E.… .

6.2.3 Fitting of the accessories
The choice of the fixing points, number of locking points, number of hinges, max. vent weight, max. vent sizes, vent profile used etc. depends on the instructions of the system supplier and the accessory manufacturer.
Sliding and moving parts should be provided with neutral grease.

When fitting, please check whether all accessories can be operated easily and without getting jammed. For specific fitting details we refer to the catalogue pages 51.F…. .

II.6.3. CW 50-Structural Glazing

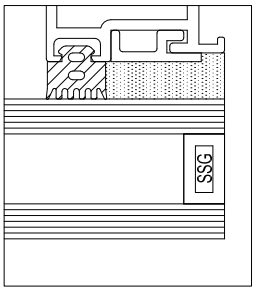
6.3.1 General
The CW 50 curtain wall system is the basis for the glass facade system CW 50-SG.
The CW 50-SG system is a fitting method to obtain completely flush curtain walls.
A series of clamping profiles, which are screwed in the screw channels of the supporting structure, press the glass against the EPDM gaskets fixed on the aluminium frames. This is possible given the U-shape in the alu frame U-shape in the alu frame.

6.3.2 Order of the profiles
For each CW 50-SG project the Technical Department of Reynaers Aluminium Duffel conducts an
Investigation on the basis of which an approval can be given for the delivery of the necessary pressure plates. The basis of this investigation is a completed application form, type Form 158, of which a blank copy is added in exhibit. This form should be completely filled in and transmitted, accompanied by the necessary drawings, to the Technical Department of Reynaers Aluminium Duffel, after which the investigation can be started up.

6.3.3 Structural glueing
a. Structural glueing: items to be observed

•Structural glue to be used = Dow corning: DC993 or Sika: SG500 or Tremco: VEC99 Proglaze ll (or other silicones indicated in ETA).

The adherence tests and compatibility tests with surrounding materials described in the EOTA guide for structural glazing systems have only been performed for the structural glue DC 993/SG500/VEC 99/Proglaze ll. For each new batch of glueing profile Dow Corning/Sika/Tremco performs accelerated adherence tests (so called peel tests). Based on the results of these tests, a glueing prescription for this particular lot of the glueing profile is drawn up (no. DC XXXXX), stating that the profiles have been approved for structural use. Note that this prescription only remains valid for 6 months. A renewal of the prescription can be obtained by having the abovementioned tests performed again after 6 months.



•Cleaner to be used for glueing profiles 034.1116.17, 034.0142.17 and 134.0116.17

Before applying the structural glue to the glueing profile, this profile has to be cleaned. The cleaner has the double function of degreaser and primer. The use of an extra primer is not necessary. This is of course also mentioned in the glueing prescription.

• Possible glazing types

The most current glazing types can be used in this system; we refer to the ETA for more precise information. For double glazing the glue DC 3362 Dow Corning/IG25 SIKA/TREMCO JS562, which is also a structural glue, is preferably used for the hermetic joint between both glass plates. The solution with glueing on the outer glass plate and stepped glazing implies that the outer glass plate may not be fully hardened. For glass with increased breaking resistance, only half-hardened glass (durci) is suitable for the outer glass plate in this case. Glass plates with a coating on the side on which is glued, require in certain cases the removal of this coating at the height of the glue joint to guarantee sufficient long-lasting adhesion. For more information please contact the glass supplier and/or the silicon supplier.

Min. glass thickness 24 Max. glass thickness 36.

The allowed glass compositions are also indicated in the technical approval (ETA).

• Support for self-weight

This system may only be used if there is support of both glass plates for self-weight, so that the glue joint is not submitted to a continuous shearing load under the influence of self-weight. In practice this means that at least half of the outer glass plate has to be supported. In case of laminated glazing at least half of the most outer glass plate has to be half supported: e.g. for laminated glazing type 44.2 with a total thickness of approximately 8.8 mm, at least 7.8 mm has to be supported. The PVB layers are indeed not developed to receive a continuous shearing load.

• Compatibility of the surrounding materials with the structural seal

All surrounding materials of the structural joint have to be compatible with the structural glue. The materials of the system shown in this catalogue, including the EPDM gaskets used, have of course been tested on their compatibility with the structural glue. However, if other materials are applied in the system, the required compatibility certificates must be shown when asked.

• Spacer

B

The gasket 080.9300.4, 080.9301.04, 080.9303.04 is used in this system as spacer between the glueing profile and the single glass. This gasket ensures consequently that the distance between the glass and the glueing profile is everywhere exactly the same (6.4 mm). The result is a constant thickness of the structural joint. As already mentioned above, this gasket has of course also been tested on its compatibility with the structural glue.

• Glass supports

Between the aluminium glass support and the glass a silicone block type colypro (colymit) with hardness of 70 to 80 SHORE A has to be fitted. These blocks are not included in the Reynaers range but most glueing companies keep them in stock. Their compatibility with the structural seal is also very important.

• Glueing companies

Glueing can only be done by glueing companies approved for structural glueing according to ETAG 002. Glueing between the glass sheet and the vent profile must be at right angles in order to guarantee the good functionality of the vent when opening and closing it.

b. Order glueing profile 034.1116.17, 034.0142.17 and 134.0116.17

For each structurally sealed glass related project, the technical department of Reynaers Aluminium Duffel has to conduct an investigation on the basis of which an approval can be given for the delivery of the necessary glueing profiles. The basis of this investigation is a completed application form 158 or digital request. This investigation can be split up into the following 3 parts:

• Checking the sizes of the structural joint

Based on the wind load (peak wind load with a returning period of 10 years), the element sizes and the glass composition, it is checked whether the standard height of the structural joint (= 15.5 mm) is sufficient to take up this wind load. It is also checked whether the thickness of the structural joint (standard 6.4 mm) is sufficient to cover the difference in thermal expansion between glass and aluminium.

Dow Corning is also asked for confirmation of these calculations.

• Checking the element sizes

For opening parts it is checked whether the proposed element sizes and the element weight can be realised with the friction stays in our product range. We also refer to the diagrams for permissible sizes further on in the catalogue. For fixed parts mainly a weight check is carried out (next to the control of the joint sizes themselves of course - see first item). If 2 glass supports with a width of 100 mm are used, which is compulsory, the total element weight has to remain restricted to 180 kg.

Finally it is checked whether, with the proposed glass composition, the outer glass plate is half supported.

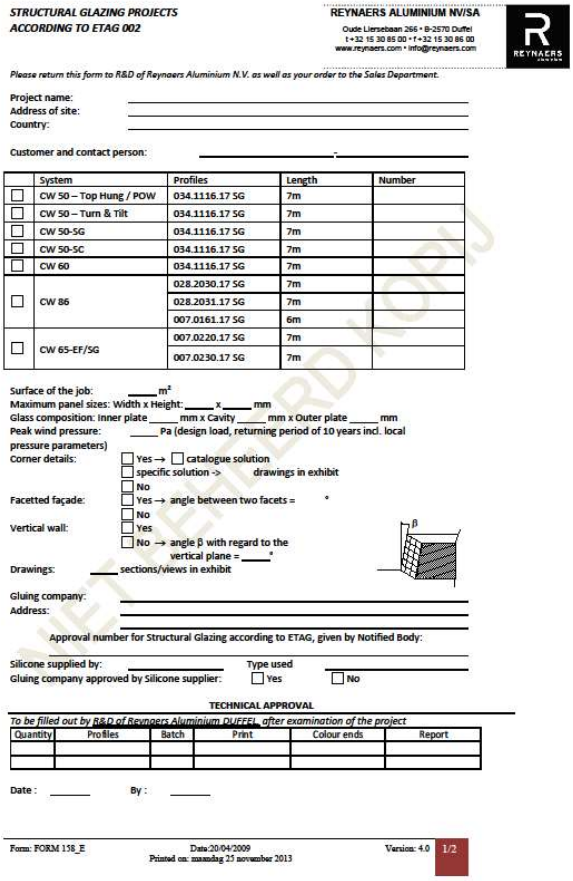
These values are only valid in case the inner glass thickness is equal to or bigger than the outer glass thickness.

• Specific applications

For specific applications (angle details, curtain wall in facets, sloped curtain wall,...) the technical feasibility is checked in case the solution is different from the catalogue solution.

After approval of the project, the glueing prescription of the silicon supplier for the lot of glueing profiles 034.1116.17, 034.0142.17 and 134.0116.17 concerned is sent to the customer.

Exhibit: FORM 158 > intranet



STRUCTURAL GLAZING PROJECTS
ACCORDING TO ETAG 002

REYNAERS ALUMINIUM NV/SA
Oude Liersebaan 266 • B-2570 Duffel
t +32 15 30 85 00 • f +32 15 30 86 00
www.reynaers.com • info@reynaers.com

Please return this form to R&D of Reynaers Aluminium N.V. as well as your order to the Sales Department.

Project name: _____
Address of site: _____
Country: _____

Customer and contact person: _____ - _____

	System	Profiles	Length	Number
☐	CW 50 – Top Hung / POW	034.1116.17 SG	7m	
☐	CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐	CW 50-SG	034.1116.17 SG	7m	
☐	CW 50-SC	034.1116.17 SG	7m	
☐	CW 60	034.1116.17 SG	7m	
☐	CW 86	028.2030.17 SG	7m	
		028.2031.17 SG	7m	
		007.0161.17 SG	6m	
☐	CW 65-EF/SG	007.0220.17 SG	7m	
		007.0230.17 SG	7m	

Surface of the job: _____ m²
Maximum panel sizes: Width x Height: _____ x _____ mm
Glass composition: Inner plate _____ mm x Cavity _____ mm x Outer plate _____ mm
Peak wind pressure: _____ Pa (design load, returning period of 10 years incl. local pressure parameters)
Corner details: ☐ Yes → ☐ catalogue solution
☐ specific solution -> drawings in exhibit
☐ No
Facetted façade: ☐ Yes → angle between two facets = °
☐ No
Vertical wall: ☐ Yes
☐ No → angle β with regard to the vertical plane = _____°
Drawings: ___ sections/views in exhibit

Gluing company: _____
Address: _____

Approval number for Structural Glazing according to ETAG, given by Notified Body: _____

Silicone supplied by: _____ Type used _____
Gluing company approved by Silicone supplier: ☐ Yes ☐ No

TECHNICAL APPROVAL
To be filled out by R&D of Reynaers Aluminium DUFFEL after examination of the project

Quantity	Profiles	Batch	Print	Colour ends	Report

Date : _____ By : _____

Form: FORM 158_E Date:20/04/2009 Version: 4.0 1/2
Printed on: maandag 25 november 2013

NIET GEHEERD EXEMPLAAR

B

VERARBEITUNGSVORSCHRIFTEN

I. ALLGEMEIN

Siehe Katalog “1. Allgemeine information (099.C01G.00 Ausgabe 09/2018)

II. VERARBEITUNGSVORSCHRIFTEN CW 50 & CW ÖFFNENDE ELEMENTE

II.1 FABRICATING INSTRUCTIONS

Um ein qualitativ hochwertiges Endprodukt zu erstellen, sollen bei der Verarbeitung folgende Punkte berücksichtigt werden:

II.1.1 Spanende Bearbeitungen

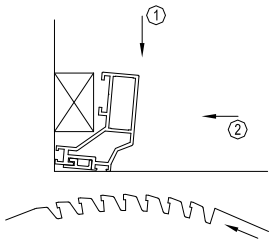
Mit “spanenden Bearbeitungen” sind alle mechanischen Bearbeitungen wie Sägen, Fräsen, Bohren, Stanzen gemeint. Bei allen mechanischen Bearbeitungen ist auf den Einsatz geeigneter Sägeblätter, Fräser und Bohrer zu achten, damit die Oberfläche nicht durch Grate oder abplatzende Beschichtung beschädigt wird.
Zur Profilbearbeitung geben wir folgende Hinweise:
- Die spanabhebenden Werkzeuge müssen für den Werkstoff geeignet und ausreichend scharf sein.
- Die Maschinendrehzahl muss auf den Werkstoff Aluminium abgestimmt sein.
- Die Profilauflagen müssen sauber und spanfrei sein.
- Zur Verlängerung der Werkzeugstandzeiten können geeignete Gleitmittel, wie der Fettstift (Art.-Nr. 086.9191.--), das Reynaers-Schneidmittel (Art.-Nr. 086.9175.--) oder die von den Maschinenlieferanten
- vorgeschriebenen Kühl- und Schneidmittel eingesetzt werden. Diese Kühl- und Schneidmittel müssen chemisch neutrale Produkte sein, die die Oberfläche nicht angreifen.

Es empfiehlt sich, Späne abzusaugen, die während der spanenden Bearbeitung entstehen. Alle Sägeschnitte, die eine Verbindung bilden (wie z. B. Eck- und T-Verbindungen) müssen mit Reynaprotector (Art.-Nr. 086.9206.SY + 095.P200.--) geschützt werden. Andere Sägeschnitte (wie z. B. Glasleisten, Klemmleisten, Frässchnitte, Bohr- oder Stanzlöcher) müssen mit Reynaers Anti-corro (Art.-Nr. 086.9606.--) geschützt werden.

Zuschnitt:

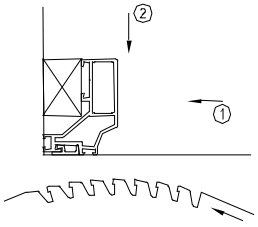
Der Auflage-/Säge-Tisch sollte eine glatte und ebene Auflagefläche bieten. Der dahinterliegende Anschlag sollte exakt im Winkel von 90º positioniert sein. Auf dem Maschinentisch sollen keine Verunreingungen, wie Sägespäne oder Kleberreste vorhanden sein. Eine Fixierung der Profile erfolgt mittels Hand- oder pneumatischer Spannzylinder, welche von oben und von vorne auf das Profil wirken.
Ein Verdrehen der Profile während des Sägevorganges ist durch den Einsatz von Schneidzulagen zu verhindern.
Bezugsseite -> <- Bezugsseite

FALSCHE EINSPANNUNG
FEHLER: Da der Hauptdruck der Spannvorrichtung auf die Falzseite des zu sägenden Profils einwirkt, verdreht sich das Werkstück.
FOLGE: Schiefer Sägeschnitt. Die Aussenseite des Profils ist länger als die Innenseite.
ERGEBNIS: Beim Verpressen der Profile ist die Gehrung an der Innenseite dicht, steht aber an der Aussenseite offen.



RICHTIGES SPANNEN
Der Hauptdruck der Spannvorrichtung wirkt auf die gesamte Fläche.
Die Falzseite wird durch eine zweite Spannvorrichtung mit geringerer Kraft gehalten. Durch diese korrekte Einspannung kann sich das Profil beim Sägevorgang nicht verdrehen.
Die Gehrung wird in der Eckverbindermaschine in der gleichen Art und Weise fixiert, so dass eine exakte Verbindung erreicht wird.
Anmerkung:

Es empfiehlt sich, die Späne während des Sägevorganges abzusaugen.



II.1.2 Profilverbindungen und deren Verarbeitung

Allgemeine Anwendung :
Der Anschluß von Riegelprofilen an die Pfostenprofile erfolgt über eine Schraubverbindung. Dabei wird das Riegelprofil unterhalb der wasserführenden Ebene ausgeklinkt und auf der Dichtungsaufnahme des Pfostens mit zwei Edelstahlschrauben befestigt. Das dadurch höher liegende Riegelprofil kann somit kaskadenförmig entwässert werden, ohne den Drainagekanal des Pfostens zu unterbrechen.Im Bereich der Pfosten-Riegelverbindung wird die Dichtungsaufnahme des Pfostens mit einem besonderen EPDM-Dichtstück versehen,welches eine trockene Abdichtung von Riegel zu Pfosten ermöglicht Der Höhenunterschied der Glasebene, der durch die höher liegenden Riegelprofile entsteht, wird mittels unterschiedlicher Verglasungsdichtungen in den Pfosten- und Riegelprofilen ausgeglichen. Die unterschiedlichen Ansichtsbreiten der Dichtungen werden optisch durch eine L-förmige Lippe der Riegelprofildichtung angeglichen.

In Reynaers-Katalogen wird nach 5 Verarbeitungsschritten während der Montage unterschieden:
1. Eckverbindungen
2.T-Verbindungen
3. Längsverbindungen
4. Entwässerung und Vorbereitung für den Beschlageinbau
5. Dichtungseinbau

B

1.2.1 Eckverbindung von Blendrahmen und Flügel (Füllelemente)
Verfahrensweise:
a) Zuschneiden, stanzen oder verschrauben.
b) Schutz der Schnittkanten:
- Entgraten (falls erforderlich)
- Schnittfläche und Profilkammern von Staub und Sägeresten säubern
- Entfetten der Profile (REYNAFINISH 60 Art.-Nr. 086.9210.--).
- Korrosionsschutz (REYNAPROTECTOR Art.-Nr. 086.9206.SY und SCHAUMROLLE 095.P200.--) aufbringen Trockenzeit: ca. 1 Stunde.
c) Abdichtung: die Schnittflächen mit einer neutralen Dichtungsmasse versehen.
d) Klebereinsatz: Zweikomponentenkleber (REYNASEAL DUO Art.-Nr. 084.9080.--) einbringen
- in die Eckwinkelkammer;
- im Bereich der Glasanschlagwinkel.
e) Verbinden: die Verbindung der Profilstücke kann durch Verpressen, Versicken, Verstiften oder Verschrauben der Eckwinkel vorgenommen werden.
f) Ausgetretener Kleber oder Dichtungsmittelreste müssen von den Sichtseiten entfernt werden
(REYNAFINISH 60 Art.-Nr. 086.9210.--).
Anmerkung: Es besteht die Möglichkeit, die Eckverbindung erst mechanisch vorzunehmen und den Kleber nachträglich in den Eckwinkelbereich einzubringen

1.2.2 T-Verbinder der Tragstruktur
a) Zuschneiden, stanzen oder bohren.
b) Schutz der Schnittkanten:
- Entgraten (falls erforderlich).
- Schnittfläche und Profilkammern von Staub und Sägeresten säubern.
- Entfetten der Profile (REYNAFINISH 60 Art.-Nr. 086.9210.--).
- Korrosionsschutzprodukt (REYNAPROTECTOR Art.-Nr. 086.9206.SY und SCHAUMROLLE 095.P200.--) aufbringen;Trockenzeit: ca. 1 Stunde.
c) Abdichtung: mittels einer Enddichtung
Bei einer Temperaturdifferenz von 20° auf einem Aluminiumprofil von 1m gibt est einen Längenunterschied von ± 0,5mm. Demzufolge soll ein Pfostenprofil kleiner als 1m nicht notwendig mit einer Enddichtung (Ausstanzung 15mm statt 18mm) versehen werden.
Wenn die Länge der Pfostenprofile aber größer als 1m ist, ist eine Enddichtung notwendig damit Spannungen auf die Profile zu vermeiden. Bei einer Verarbeitung ohne Enddichtung empfehlen wir die Aussparung mittels einer Ausklinksäge (Ref. 095.D440.00) zu machen damit die Ausführung zu verbessern.
d) Verbinden mit T-verbinder und festschrauben.
e) Nach dem Zusammenfügen müssen überschüssige kleber und dichtungsmittelreste auf den sichtbaren Seiten entfernt werden (REYNAFINISH 60 Art.-Nr. 086.9210.--).

1.2.3 Längsverbindungen (siehe Seiten 51.f....)
Verfahrensweise :
a) Zuschneiden und bohren. (min länge = 1000mm)
b) Schutz der Schnittkanten :
- Entgraten (falls erforderlich).
- Schnittfläche und Profilkammern von Staub und Sägeresten säubern.
- Entfetten (REYNAFINISH 60 Art.-Nr. 086.9210.--).

- Korrosionsschutzprodukt (REYNAPROTECTOR Art.-Nr. 086.9206.SY und SCHAUMROLLE 095.P200.--) aufbringen;Trockenzeit : ca. 1 Stunde
c) Dichtschnur für Dehnungsprofil (Art.-Nr. 080.9503.04 und 080.9903.04) ins Kopplungsprofil aufbringen.
d) Verbinden: das Kopplungsprofil soll mit einer Polypopylenfolie versehen werden. Dann werden die Profile zusammengebracht und mit einem elastischen Dichtungsmittel versiegelt.(SILICONE f.i.: 084.9063.XX)
e) entwässerung längsverbindungen, sehe 51.F…
f) Nach dem Zusammenfügen müssen überschüssige kleber und dichtungsmittelreste auf den sichtbaren Seiten entfernt werden (REYNAFINISH 60 Art.-Nr. 086.9210.--).

1.2.4 Entwässerung,Entlüftung und Bearbeitung für den Beschlageinbau
Verfahrensweise:

a. Korrect zuschneiden

b. Stanzen, bohren oder fräsen.

c. Schutz der Schnittkanten:
- Entgraten (falls erforderlich).
- Schnittfläche und Profilkammern von Staub und Sägeresten säubern.
- Entfetten der Profile (REYNAFINISH 60 Art.-Nr. 086.9210.--).
- Korrosionsschutzprodukt (REYNAPROTECTOR Art.-Nr. 086.9206.SY und SCHAUMROLLE 095.P200.--) aufbringen;Trockenzeit: ca. 1 Stunde.

Insbesondere ist folgendes zu beachten:
- Eventuell eingedrungenes Wasser muss problemlos und kontrolliert abgeleitet werden können. Ein Druckausgleich von Falzbereich und Aussenluft muß gewährleistet sein. (sehe 51.F…)

Bei jedem Rahmen sind grundsätzlich zwei Entwässerungsöffnungen vorzunehmen.
Diese sitzen max. 250 mm aus der Ecke. Bei Rahmenbreiten grösser als 1000 mm ist darüberhinaus pro weitere 500 mm eine zusätzliche Öffnung vorzusehen.

Entwässerung Riegelprofil: (sehe 51.F...)
- Bis 1200mm Abstand zwischen den Pfostenprofile, Entwässerung via Pfostenprofile.
- 1 zentrale Öffnung falls der Abstand zwischen den Pfostenprofile kleiner als 1500mm ist. Wenn der Abstand aber größer als 1500mm ist, dann ist der Maximalabstand zwischen den Entwässerungsöffnungen 500mm. Mann soll ebenso rechnen mit einem Maximalabstand bis zu einer Ecke von 500mm.
- Beim verarbeiten von Butylband im horizontalen Bereich sind zwei Entwässerungslöcher am Ende des Profils vorzusehen.
- Die Mindestoberfläche der Entwässerungsöffnung beträgt 50 mm² pro Öffnung, wobei eine Bohrung von mindestens 8 mm Durchmesser oder ein Schlitz von 5 x 15 mm vorzusehen ist.
-An der Flügel- oder Rahmenoberkante sind mindestens 2 Druckausgleichsöffnungen von mindestens 5 mm Grösse vorzunehmen. Auf diese Weise wird der Druckausgleich im Bereich der Verglasung gewährleistet.
-Die Entwässerungsöffnungen sind grundsätzlich am tiefsten Punkt der Profilkontur anzubringen.

1.2.5 Dichtungen
Alle angebotenen Dichtungsprofile bestehen aus EPDM mit einer hohen Alterungs- und Witterungsbeständigkeit. Die Verarbeitung der Dichtungen hat sorgfältig und entsprechend den folgenden Hinweisen zu erfolgen:

Verglasungsdichtungen
Verfahrensweise :
1. Die Verglasungsdichtung wird je nach Erfordernis mit einer speziellen Schere
(Art.-Nr. 090.0121.UN) gerade oder auf Gehrung zugeschnitten. Je lfdm. Dichtung ist eine Überlänge von 10 mm hinzuzurechnen.
2. Das Einbringen der Dichtung erfolgt in die vorgesehenen Dichtungsaufnahmen. Beim Einbringen der Dichtungen wird der überlange Zuschnitt durch stauchen der Dichtungprofile kompensiert. Durch Anwendung des Silikonssprays (Art.-Nr. 086.9551.--) wird das Einbringen der Dichtungen besonders erleichtert.
3. Verkleben (Abdichten): Die Schnittflächen müssen mit Reynears Safety Clean (Art.-Nr. 086.9231.--) und Reynaers primer seal & bond special (086.9232.--)entfettet werden, und die Anschlüsse müssen mit Vulkanisierkleber Reynafix (art.nr. 084.9108.--). Da die Verbindung elastisch bleibt, liegt die Dichtung auch in den Ecken perfekt an.

II.2 MONTAGEVORSCHRIFTEN

Um der Systemart willen, namentlich die Aufstellung von Cassetten auf eine Tragstruktur, ist die
Positionierung der Tragstruktur sowie die Aufstellung von Cassetten auf diese Struktur äußerst wichtig in Anbetracht einer korrekten Verankerung und um eine gute wind- und wasserdichte Fassade zu bekommen. Die Toleranzen sollen auf

jeden Fall auf ein Minimum beschränkt werden (Maximalabweichung 1 bis 2 mm im Vergleich mit dem nominalen Außenmaß.)
Die Fassadestruktur darf weder einer statischen noch einer dynamischen Spannung auf die Verglasung ausüben. Die Maximaldurchbiegung unter Einfluss des Windes darf nicht mehr als 1/200 sein mit einem Maximum von 15mm. Die Maximaldurchbiegung des Pfostenprofils unter Einfluss des Eigengewichts der Füllung ist 3mm.

Geneigte und gegiebelte Fassade
Bei geneigten und gegiebelten Fassaden wird das Glas immer mit einem Aluminiumbutylband (Art. No. 084.9711.04, 084.9712.04 oder 084.9713.04) versehen. Dieser Aluminiumbutylband soll bei einem Temperatur zwischen +5° und +40° verarbeitet werden. Die Oberfläche soll trocken und sauber sein. Bei geneigten Fassaden ist man verpflichtet Sicherheitsglas anzuwenden (siehe Vorschrifte des Glaslieferanten). Die Minimalneigung ist 5°,ohne beweglichen Teile.

II.2.1. Befestigung am Baukörper

Die Befestigung am Baukörper erfolgt durch Befestigungsanker. Die Anzahl, die Position sowie die Verankerungsart sollen dafür sorgen, dass die auf das Fassadenelement wirkenden Kräfte an die bauseitige Konstruktionen abgeleitet werden können. Diese Kräfte sind u.a. : Windlast, Eigengewicht, Verkehrslast, Sonnenschutz, Radiatoren, Installationen für Fensterputzer, usw...
Die Verankerung darf auf keinen Fall die Tragfähigkeit der bauseitigen Konstruktionsteile beeinflussen. Die Position sowie die Ausführung der Anker oder anderer Befestigungsmittel sollen dafür sorgen, dass das Element von der Baukonstruktion nicht belastet und verformt werden kann.
Änderungen der Länge, die von Temperaturschwankungen verursacht werden, müssen ungehindert aufgenommen werden können.
Die zulässigen Toleranzen vom Baukörper sollen von der Fassadekonstruktion sowie von den Ankern aufgenommen werden und Wassereinbruch oder Luftdurchzug vermeiden.
Deshalb soll die Verankerung genügend Verstellmöglichkeiten haben, um die Einpassung während der Montage noch beeinflussen zu können.
Verankerungen sollen die Funktionstüchtigkeit der beweglichen Teile und des Zubehörs nicht beeinträchtigen.
Bewegungen zwischen dem Baukörper und dem Fassadeelement sollen keine störenden Geräusche verursachen.
Verankerungen können unter Umständen Kältebrücken erzeugen. In diesem Fall muss der Wärmestrom soweit wie möglich gedämmt und verhindert werden. Die mechanische Festigkeit muß immer ausreichend gewährleistet bleiben. Jede Verankerung, wenn nicht aus Aluminium oder Edelstahl, muss wirksam korrosionsgeschützt sein und darf die Aluminiumprofile nicht beeinträchtigen.
Um die Verbindung zwischen den Rohbau und die dichtung 080.9800.04 zu realisieren, benutzen wir eine Abdichtungspasta 084.9104.04(nicht geeignet für weiches PVC)

II.2.2. Transport
Damit montierte Elemente umzustellen oder zu der Baustelle zu befördern soll man die Elemente verstärken um mögliche Beschädigungen zu vermeiden.

II.2.3. Einbau der Beschläge
Die Auswahl der Beschläge hat entsprechend den Vorgaben des Systemlieferanten bzw. des Herstellers der Beschläge zu erfolgen. Die hier angegebenen Werte bzgl. max. Flügelabmessungen, des max. Flügelgewichtes, der Anzahl der Verschlusspunkte und der Anzahl der Türbänder, sind einzuhalten. Bewegliche Teile sind, entsprechend den Angaben des Beschlagherstellers mit säurefreiem Fett zu versehen. Eine Funktionsprüfung der Beschläge ist nach erfolgter Fertigung und Montage unerlässlich.

II.2.4. Einbau der MOTOR
Die wahl der motoren für THW und POW hinsichtlich der flügelabmessungen wird angezeigt in den kapiteln E und F. Nach den richtlinien von D+H Mechatronic.

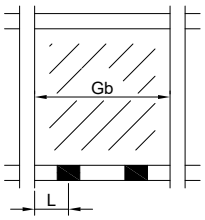
Die technische informationen über die verbindung zwischen den verschiedenen motoren und den anschluß auf einem elektrischen kreis müssen von D+H Mechatronic erhalten werden.

II.3 VERGLASUNG

Das System CW 50 wurde für trockene Verglasung mit EDPM-Dichtungen entwickelt.

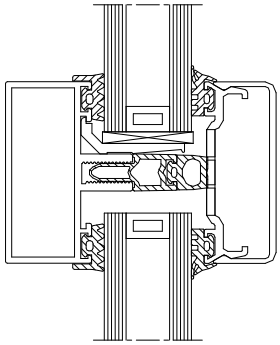
Das angewandte System ist das sogenannte Druckausgleichprinzip. Dieses System erlaubt ein bestimmtes Maß an Wassereintritt in die Konstruktion. Das eventuell eingetretene Wasser soll auf kontrollierte Weise über die senkrechten Pfostenprofile oder über die Entwässerungsöffnungen in den horizontalen Abdeck- und Glashalteprofilen abgeführt werden.
Folgende Punkte sind dabei sehr wichtig :
- die Innendichtung muß möglichst Luftdicht sein;
- die Außendichtung soll so ausgeführt werden, dass Wassereintritt in den Falz vermieden wird. Öffnungen in den Ecken müssen vermieden werden.

- Bei der Glasbestellung sollte man eine Toleranz von 10mm bezogen auf das Aluminiumfenster beachten (5mm pro Seite).
- die Glaseinklemmung in der Fassade ist mindestens 13mm und von der Anwendung abhängig. Siehe Andeutung in den Glastafeln.



Gb/10<L<Gb/4
Lmin=100mm

Verglasungsbefestigung.
Das Glaspaneel darf nicht direkt mit Aluminium in Kontakt kommen. Der Gebrauch von Verglasungsklötzen und EPDM-Dichtungen ist unerlässlich. Bei Isolierglas müssen die beiden Einzelscheiben gleichmäßig unterstützt werden. Die Stützklötze, die von einem Aluminium-Glasauflageprofil unterstützt werden, sollen das Glasgewicht an die Profile ableiten. Diese sollen vorzugsweise in einem Abstand von 0,25 bis 0,1 Mal der der Glasbreite (mindestens 100mm) aus der Glasecke heraus positioniert werden. Bezugsmass ist die Mitte der Verglasungsklötze.
Der Sicherungsring 073.8203 wird nur als zeitliche Befestigung des Glas angewendet. Nachdem können die Glashalteprofile befestigt werden laut der Spezifikationen. Die Glashalteprofile sind entwickelt worden um die Wind und gewichtbelastung aufzufangen.



um die Durchbiegung des Riegelprofils unter Einfluß des Glasgewichts zu beschränken, empfehlen wir, die Stützklötze so weit wie möglich in die Glasecken zu setzen. Die vorgenannten Mindestabstände sind einzuhalten. Der Einsatz eines PVC-Entwässerungsprofils in Kombination mit einer Dichtung kann das eingetretene wasser von der oberen Scheibenkante fernhalten.

Mittels Entwässerungslöcher im Glashalteprofil, gerade über der Dichtung, kann das eingetretene Wasser abgeführt werden. Nach der Glasstellung auf die Tragstruktur können die Glashalteprofile

angebracht werden. Die Glashalteprofile werden mittels Schrauben (M6) in einem Schraubkanal auf der Tragstruktur befestigt. Damit dieses System genügend abgedichtet wird, sollen diese Schrauben mit einem Drehmoment von 400Ncm angezogen werden. Es ist wichtig die verarbeitungrichtlinien und Einsatzempfehlungen Ihres Glaslieferanten vor dem Zusammenbau zu überprüfen, damit die Eigenschaften der verschiedenen Arten des Glases erhalten bleiben.

II.4 TECHNISCHE AUSKUENFTE

Es ist wichtig die Stärke sowie die Festigkeit jeder Konstruktion zu berechnen. Zur Information enthält das Teil B dieses Katalogs einige Tafel und Grafiken.
Jede Aluminiumfassade mit einer Höhe größer als 25m der Bodengleiche soll mit einer Erdung versehen werden. Wenn die Profile aber durch eine Ausdehnungsfuge unterbrochen werden sollen sie mit einander verbunden werden (siehe Katalog, teil F, Kapitel Ausdehnung).

II.5 VERARBEITUNG DER SERIE CW 50-STRUCTURAL CLAMPED

II.5.1. DICHTUNGEN

Alle angebotenen Dichtungsprofile bestehen aus EPDM mit einer hohen Alterungs- und Witterungs-beständigkeit.
Die Verarbeitung der Dichtungen hat sorgfältig und entsprechend den folgenden Hinweisen zu Erfolgen.

Anbringen der Verglasungsdichtungen
Verfahrensweise:
1. Die Verglasungsdichtung wird je nach Erfordernis mit einer speziellen Schere (Art.-Nr. 090.0121.UN) gerade oder auf Gehrung zugeschnitten. Je lfdm. Dichtung ist eine Überlänge von 10 mm hinzuzurechnen.
2. Das Einbringen der Dichtung erfolgt in die vorgesehenen Dichtungsaufnahmen. Beim Einbringen der Dichtungen wird der überlange Zuschnitt durch stauchen der Dichtungprofile kompensiert. Durch Anwendung des Silikonssprays (Art.-Nr. 086.9551.--) wird das Einbringen der Dichtungen besonders erleichtert.
3. Verkleben (Abdichten): Die Schnittflächen müssen mit Reynears Safety Clean (Art.-Nr. 086.9231.--) und Reynaers primer seal & bond special (086.9232.--)entfettet werden, und die Anschlüsse müssen mit Vulkanisierkleber Reynafix (art.nr. 084.9108.--). Da die Verbindung elastisch bleibt, liegt die Dichtung auch in den Ecken perfekt an.
Die Eckstücke werden ebenso an den Enden mit Vulkanisierkleber verklebt.

II.5.2. MONTAGEVORSCHRIFTEN

Um der Systemart willen, namentlich die Aufstellung von Cassetten auf eine Tragstruktur, ist die Positionierung der Tragstruktur sowie die Aufstellung von Cassetten auf diese Struktur äußerst wichtig in Anbetracht einer korrekten Verankerung und um eine gute wind- und wasserdichte Fassade zu bekommen.
Die Toleranzen sollen auf jeden Fall auf ein Minimum beschränkt werden (Maximalabweichung 1 bis 2 mm im Vergleich mit dem nominalen Außenmaß.)
Die Fassadestruktur darf weder einer statischen noch einer dynamischen Spannung auf die Verglasung ausüben. Die Maximaldurchbiegung unter Einfluß des Windes darf nicht mehr als 1/200 sein mit ein Maximum von 15mm. Die Maximaldurchbiegung des Pfostenprofils unter Einfluß des Eigengewichts der Füllung ist 3mm.

B

5.2.1 Befestigung am Baukörper

Die Befestigung am Baukörper erfolgt durch Befestigungsanker. Die Anzahl, die Position sowie die Verankerungsart sollen dafür sorgen, daß die auf das Fassadenelement wirkenden Kräfte an die bauseitige Konstruktionen abgeleitet werden können. Diese Kräfte sind u.a.: Windlast, Eigengewicht, Verkehrslast, Sonnenschutz, Radiatoren, Installationen für Fensterputzer, usw...
Die Verankerung darf auf keinen Fall die Tragfähigkeit der bauseitigen Konstruktionsteile beeinflussen. Die Position sowie die Ausführung der Anker oder anderer Befestigungsmittel sollen dafür sorgen, dass das Element von der Baukonstruktion nicht belastet und verformt werden kann.
Änderungen der Länge, die von Temperaturschwankungen verursacht werden, müssen ungehindert aufgenommen werden können.
Die zulässigen Toleranzen vom Baukörper sollen von der Fassadekonstruktion sowie von den Ankern aufgenommen werden und Wassereinbruch oder Luftdurchzug vermeiden.
Deshalb soll die Verankerung genügend Verstellmöglichkeiten haben, um die Einpassung während der Montage noch beeinflussen zu können.
Verankerungen sollen die Funktionstüchtigkeit der beweglichen Teile und des Zubehörs nicht beeinträchtigen.
Bewegungen zwischen dem Baukörper und dem Fassadeelement sollen keine störenden Geräusche verursachen.
Je nach der Situation und gewählt klemmprofile?sollte die anzahl der dehnfugen und maximale Spannweite zwischen den dehnungsfugen berechnet werden.Die kleinste Klemprofile (typ 034.0130.00 & 034.0138.00) nicht überschreiten 4mm expansion.Je länger klemmprofile (typ 034.0175.00 & 034.0176.00) nicht überschreiten +4mm oder -6mm.Weitere Details finden Sie auf Seiten 51.F. ...

5.2.2 Einbau der öffnenden Flügel (Füllelemente) und Brüstungselemente

Für die Aufstellung der Flügel auf die Tragstruktur verweisen wir auf den Katalog Seite 51.E.... .

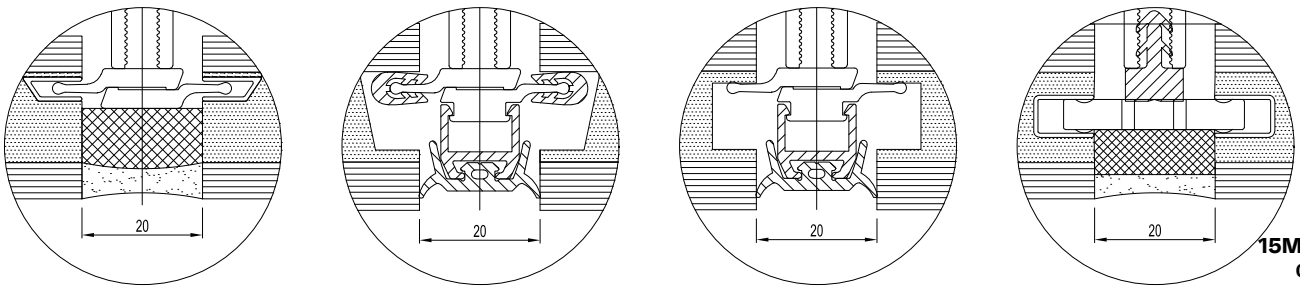
5.2.3 Einbau der Beschläge

Die Auswahl von Befestigungspunkten, die Anzahl Schließpunkte, die Anzahl Bänder, das Maximalflügelgewicht, die Maximalflügelabmessungen, das angewandte Flügelgewicht, … hat entsprechend den Vorgaben des Systemlieferanten bzw. des Herstellers der Beschläge zu erfolgen. Gleitende sowie bewegliche Unterteile sollen mit säurefreiem Fett versehen werden. Eine Funktionsprüfung der Beschläge ist nach erfolgter Fertigung und Montage unerlässlich.
Für spezifische Einbaudetails verweisen wir auf den Katalog Seite 51.F.... .

II.5.3. VERGLASUNG

5.3.1 Allgemein

Das System CW 50 ist die Basis des Glasfassadensystems CW 50-SC. Dieses CW 50-SC System ist eine Aufstellungsweise für die Anfertigung von vollständig ebenen Dächer und Fassaden. Eine Serie von Klemmprofilen, die in die Schraubkanäle der Tragstuktur verschraubt werden, drücken die Glasscheibe gegen die auf dem Aluminiumfenster befestigten EPDM-Dichtungen. Dies ist möglich mittels einer Ausspahrung die in die Montagefuge für Doppelverglasung versehen wird.
(Patent Doppelverglasung mit U-Profil Glaverbel. Wenn von anderen Unternehmen geliefert, ist die Genehmigung vom Technischen Direktor von Reynaers Aluminium notwendig).
Diese Ausspahrung kan in 4 verschiedene Typen ausgeführt werden : mittels eines U-formigen Profils das während der Herstellung versehen wird, mittels einer freien Innenglasplatte damit die Einklemmung kombiniert werden kann mit der auf dem Glashalteprofil montierten EPDM Dichtung oder mittels einer Silikonwand auf der Innenglasplatte damit die Einklemmung auf die Silikonwand möglich ist.
Wenn die Spalten zwischen den Glaspaneelen mit Silikonen gefüllt werden, ist es möglich ein Dach mit einer Neigung von 7° zu machen (ETAG 002).



a. Unterstützung des Eigengewichts :

Das Eigengewicht der zwei Glasscheiben soll mittels Silikonenklötze unterstützt werden (min. shore A75 auf 20°C). Für jede Glasscheibe soll man 2 Stützklötze auf 50 mm aus den Ecken anbringen. Die Länge (mm) der Stützklötze wird wie folgt berechnet :

$$L = \frac{S \times 250}{R}$$

L = Länge des Stützklotzes (mm)
S = Glasoberflache (m²)
R = zulässiger Druck auf den Stützklotz (N/cm²)
(polymerisierte Silikonen Shore A80 : R = 9 N/cm²).

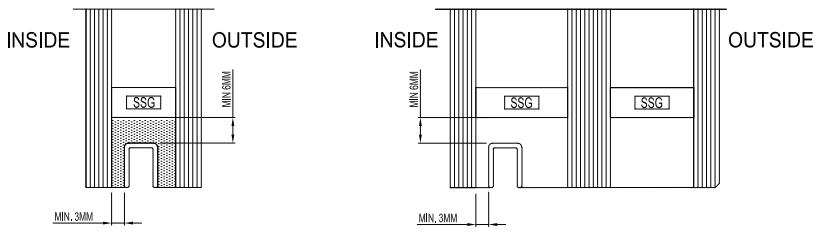
Wenn es sich um ein Dach handelt soll L mit dem Sinus a multipliziert werden (a = Neigungswinkel vom Dach im Vergleich mit der waagerechten Ebene). Mindestens die Hälfte der Dicke der Außenglasscheibe soll unterstützt werden. Falls Verbundglas soll mindestens die Hälfte der äußersten Glasscheibe unterstützt sein. Die PVB-Schichten sind doch nicht entwickelt um eine kontinuierliche Scherbelastung aufzufangen. Die Isolierverglasung wird mittels Silikonen zusammengefügt und ist Teil einer technischen Genehmigung.

Terminologie:
D1 = dicke der Außenglasscheibe
De = breite des Falzverkleinungsprofils min. 15 mm
D2 = dicke der Innenglasscheibe: min. 6 mm
I = höhe des U-Profils = 10 mm
r = höhe der strukturellen Fuge
e = höhe des Falzverkleinungsprofils
h = I + r + e
d1 + de + d2 max. 40 mm
Anmerkung: die Ränder der Außenglasscheibe sind geschliffen. Die Ränder der Innenglasscheibe sind normal bearbeitet wenn nicht anders bestellt.

b. Fertigungsmöglichkeiten:

Die Toleranz auf die Glasmaße ist ± 2 mm.
Für die Außenglasscheibe kann Floatglas, halbgehärtetes Glas, gehärtetes Glas (ESG) sowie Verbundsicherheitsglas (VSG) verwendet werden.
Für die Innenglasscheibe darf kein halbgehärtetes - oder gehärtetes Glas (ESG) verwendet werden.
Ausnahme: Es wird das Klemmprinzip gemäss Abbildung 5.3.1 C angewandt. Für Glas mit erhöhtem Bruchwiderstand kann nur halbgehärtetes Glas für die Innenglasscheibe angewandt werden, mit Ausnahme von Paneelen, die nicht von der Innenseite des Gebäudes zugänglich sind, dem 'Geländer' ohne Impaktrisiko.
Für die Innenglasscheibe kann ebenso Verbundglas angewandt werden. Die Abdichtungsfuge zwischen den Glasscheiben wird mittels elastischem Silikon realisiert. Die Abdichtung erfolgt entweder bis zu den Kunststoffprofilen 034.0184.04, 034.0185.04 oder bis zu einem vorgängig eingebrachten Hinterfüllmaterial (geschlossenzelliger Polyethylenschaumstoff). Die Verträglichkeit mit den verschiedenen umliegenden Materialien muss nachgewiesen werden, siehe Abschnitt II.5.d. Diese Fuge garantiert eine einwandfreie Luft- und Wasserdichtigkeit. Silikonfugen an der Außenseite der Fassade müssen witterungs- und UV-beständig sein. Um eine homogene Ansicht der SC-Fassade zu erhalten, wird empfohlen, die Glasränder rückseitig entweder mit Silikon oder einem Emailstreifen zu versehen.

c. Die Verwendung von gehärtetem Glas ist nur in der unten dargestellten Situation zulässig: Mindestabstände müssen strikt eingehalten werden



B

d. Verträglichkeit mit umliegenden Materialien:

Alle umliegenden Materialien müssen gegenseitig verträglich sein. Die Verträglichkeit muss vom Glasinstallateur überprüft werden. Für jeden neuen Auftrag muss der Glashersteller kontaktiert werden, um zu klären, welches Silikon für die Abdichtung der 2-fach- oder 3-fach-Isoliergläser verwendet wurde. Für die Silikonfuge zwischen den Glasscheiben können z.B. folgende witterungsbeständige Silikone verwendet werden: Dow Corning: DC791 oder Sika: WS 605 oder Tremco: Proglaze LMA. Diese wurden auf Kompatibilität mit den folgenden Struktureller Klebstoff getestet: Dow Corning: DC993 oder Sika: SG500 oder Tremco: VEC99/Proglaze II.
Die Verträglichkeit zwischen der Dichtstofffuge und den mit dieser Fuge in Berührung kommenden Fassadenkomponenten muss ebenfalls nachgewiesen werden. Zum Beispiel sind die folgenden witterungsbeständigen Silikone; Dow Corning: DC791 oder Sika: WS 605 oder Tremco: Proglaze LMA auf Verträglichkeit mit diesen Materialien getestet worden: HPVC von 134.0300 - 134.0301 - 134.0302 - 134.0303 - 134.0304, ABS von 134.0180 - 134.0183 - 134.0186.
Weiter sollen die Richtlinien sowie die Empfehlungen des Glasherstellers strikt befolgt werden.

e. Brüstungsfüllungen und öffnende Teile:

Bürstungsfüllungen mit Einfachverglasungen, Senkklappfenster sowie parallel ausstelfenster mit Scheren sind ebenso möglich. Hierfür wurden Profile mit gleichem Detail wie das U-Profil zwischen der Doppelverglasung entwickelt. In diesem Fall soll das Glas auf dafür entwickelte Verklebungsprofile 034.1116.17, 034.0142.17 und 134.0116.17 verklebt werden.
Vgl. die Vorschriften für diese Bearbeitung: siehe Kapitel II.5.3.3

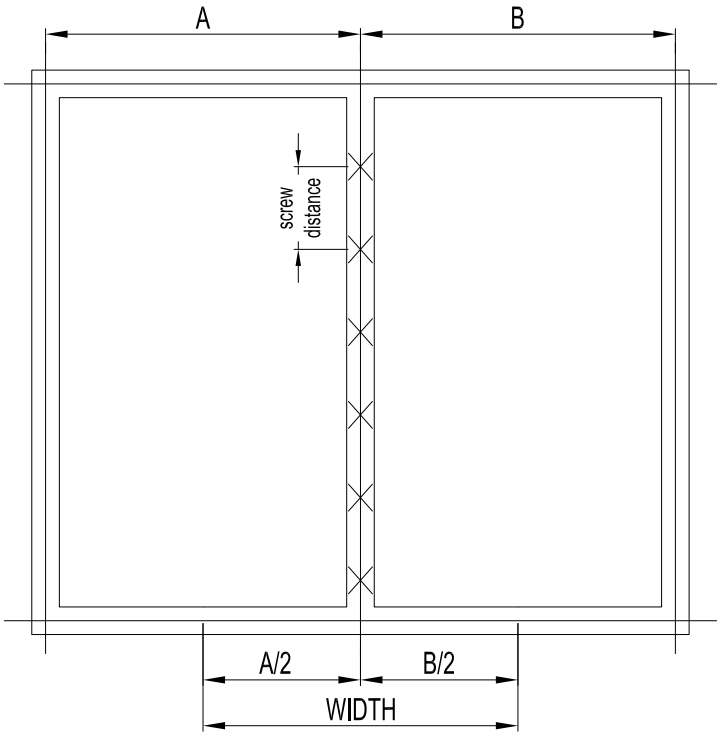
B

5.3.2 Schraubenabstand:

Bei den durchgehenden Klemmprofilen sind, abhängig von den Windlasten und Gesamtabmessungen, Schraubenabstände von 150 mm oder 300 mm möglich.

Für das Glashalter - Klemmsystem beachten Sie bitte die untenstehende Tabelle; für eine genauere Berechnung und Überprüfung der zulässigen Schraubenabstände kann auch das Online-Tool verwendet werden.

Bei der Betrachtung der untenstehenden Grafiken ist eine Fehlermarge zu berücksichtigen.
Die dargestellten Diagramme sind ein Hinweis auf die Leistungsfähigkeit und Autonomie, welche das neue Glashaltesystem bietet.
Für eine genaue Berechnung muss das freigegebene Online-Berechnungstool verwendet werden.
.



5.3.3 Strukturelle Verklebung

a. Strukturelle Verklebung: zu berücksichtigen Punkte

• Struktureller Klebstoff zu benutzen = Dow corning: DC993 oder Sika: SG500 oder Tremco: VEC 99 Proglaze II (oder andere Silikonen angegeben in ETA)
Nur für den strukturellen Klebstoff DC 993 /SG500/VEC 99/Proglaze II sind die im EOTA-Führer für strukturelle Verglasungssysteme Beschriebenen Adhäsionsprüfungen und Vereinbarkeitsprüfungen mit den umliegenden Materialien ausgeführt. Für jede neue Partie von Verklebungsprofil werden bei Dow Corning / Sika / Tremco beschleunigte Adhäsionsprüfungen (sogenannte “Peeltests”), genauso wie die Anoprüfungen ausgeführt. Auf der Grundlage der Ergebnisse dieser Prüfungen wird eine Verklebungsvorschrift für diese Partie des Verklebungsprofils aufgestellt (Nr. DC XXXXX), in der gemeldet wird, dass die Profile für strukturelle Benutzung genehmigt sind. Es ist wichtig zu bemerken, dass diese Vorschrift nur 6 Monate gültig ist. Eine Erneuerung der Vorschrift kann bekommen werden wenn man nach 6 Monaten die obigen Tests aufs Neue ausführen lässt.

• Reinigungsmittel zu benutzen für Verklebungsprofile 034.1116.17, 034.0142.17 und 134.0116.17
Vor dem Anbringen des strukturellen Klebstoffs auf das Verklebungsprofil muss dieses Profil gereinigt werden. Das Reinigungsmittel dient sowohl als Entfettungsmittel als auch als Primer. Die Anwendung eines zusätzlichen Primers ist nicht notwendig. Das steht selbstverständlich auch in der Verklebungsvorschrift angegeben.

• Mögliche Verglasungen
Die meist üblichen Verglasungen können in diesem System eingesetzt werden; ETA kann hierüber Aufschluß geben. Für Doppelverglasung ist der zu benutzen Klebstoff für die hermetische Fuge zwischen beiden Glasplatten bevorzugt DC 3362 Dow Corning/IG25SIKA/TREMCO JS562, auch ein struktureller Klebstoff. Bei der Lösung mit Verklebung auf dem äußeren Glasblatt und Stufenglas darf die äußere Glasplatte nicht völlig erhärtet sein. Für Glas mit erhöhtem Bruchwiderstand kommt in diesem Fall für die äußere Glasplatte nur halberhärtetes Glas (durci) in Betracht. Für Glasplatten mit einem Coating auf Seite 2 (die Seite auf der geklebt wird) ist es notwendig in bestimmten Fällendieses Coating auf der Höhe der Leimfuge zu entfernen um eine genügende Haftung in der Zeit zu garantieren. Mehr Information hierüber können Sie beim Glaslieferanten und/oder bei das siliconen liefrant bekommen.

Min. Glasdicke 27 Max. Glasdicke 40.
Die zugelassenen Glaszusammensetzungen sind ebenso in der technischen Genehmigung angegeben (ETA).

• Unterstützung für Eigengewicht
Dieses System darf nur eingesetzt werden unter der Bedingung, dass beide Glasplatten für Eigengewicht unterstützt sind, so dass die Leimfuge nicht einer kontinuierlichen Scherbelastung unter Einfluss des Eigengewichtes ausgesetzt ist. Konkret heißt das, dass mindestens die Hälfte der äußeren Glasplatte unterstützt sein muss. Im Fall von geschichteter Verglasung muss mindestens die Hälfte der meist äußeren Glasplatte halb unterstützt sein: z.B. für geschichtete Verglasung Typ 44.2 mit einer Gesamtdicke von ungefähr 8,8 mm muss mindestens 7,8 mm unterstützt sein. Die PVB Schichten sind doch nicht entwickelt um eine kontinuierliche Scherbelastung aufzufangen.

• Vereinbarkeit umliegende Materialien mit dem strukturellen Klebstoff
Alle umringenden Materialien der strukturellen Fuge müssen mit dem strukturellen Klebstoff vereinbar sein. Die Materialien des Systems wie in diesem Katalog beschrieben, sind selbstverständlich auf ihre Vereinbarkeit mit dem strukturellen Klebstoff getestet, auch die benutzten EPDM-Dichtungen.
Wenn aber andere Materialien im System eingesetzt werden, müssen die notwendigen Vereinbarkeitszeugnisse vorgelegt werden können.

B

• Distanzstück
Die Dichtung 080.9300.04, 080.9301.04, 080.9303.04 wird in diesem System als Distanzstück zwischen dem Verklebungsprofil und dem Glas eingesetzt. Diese Dichtung versichert folglich, dass das Glas überall genau ebenso weit vom Verklebungsprofil entfernt ist (6,4 mm). Die Dicke der strukturellen Fuge ist folglich konstant. Wie oben schon gemeldet, ist selbstverständlich auch diese Dichtung auf Vereinbarkeit mit dem strukturellen Klebstoff getestet.

• Glasauflagen
Zwischen die Aluminium-Glasauflage und das Glas muss ein Silikonenklotz Type colypro (colimit) mit einer Härte von 70 bis 80 SHORE A montiert werden. Diese Klötze sind nicht in der Reynaers-Produktpalette anwesend aber bei den meisten Verklebungsfirmen sind sie aus Vorrat lieferbar. Wichtig ist, dass auch diese mit dem strukturellen Klebstoff vereinbar sind.

• Verklebungsfirmen
Die Verleiming darf nur ausgeführt werden von Verleimern die für die strukturelle Verleimung gemäß ETAG 002 genehmigt wurden.
Die Verleimung zwischen der Glasplatte und dem Flügel soll perfekt rechtwinklich gemacht werden damit die Funktionalität beim Öffnen und Schließen des Flügels zu versichern.

b. Bestellung Verklebungprofile 034.1116.17, 034.0142.17 und 134.0116.17

Für jedes Objekt, für das das Profil CW 50-SC angewandt wird, führt die technische Abteilung von Reynaers Aluminium Duffel eine Untersuchung durch. Auf dieser Grundlage kann eine Genehmigung erteilt werden, die für die Lieferung der Verklebungsprofile notwendig ist. Diese Untersuchung stützt sich auf ein vollständig ausgefülltes Antragsformular (Typ Form 158 oder digitale Anwendung).Diese Untersuchung kann in folgende 3 Teile aufgeteilt werden.

• Kontrolle Abmessungen strukturelle Fuge
Auf der Grundlage der Windbelastung (Höchstwindbelastung mit Rückkehrperiode von 10 Jahren), der Elementabmessungen und der Glaszusammensetzung wird geprüft, ob die klassische Höhe der strukturellen Fuge (= 15.5 mm) reicht um diese Windbelastung aufzufangen. Weiter muß auch kontrolliert werden, ob die Dicke der strukturellen Fuge (klassisch 6,4 mm) reicht um den Unterschied in Wärmeausdehnung zwischen Glas und Aluminium aufzufangen. Auch wird bei Verklebungsfirma eine Bestätigung dieser Berechnungen gefragt.

• Kontrolle Elementabmessungen
Für aufgehende Teile wird geprüft, ob die vorgeschlagenen Elementabmessungen und das Elementgewicht realisiert werden können mit den Scheren in unserer Produktpalette. Wir beziehen uns hierfür auch auf die Diagramme für zulässige Abmessungen weiter im Katalog. Für feste Teile wird hauptsächlich eine Gewichtskontrolle ausgeführt (neben selbstverständlich der Kontrolle der
Fugenabmessungen selbst - siehe ersten Punkt). Bei Einsetzung von 2 Glasauflagen mit einer Breite von 100 mm, was verpflichtet ist, muß das gesamte Elementgewicht auf 180 kg beschränkt bleiben.
Schliesslich wird noch geprüft, ob mit der orgeschlagenen Glaszusammensetzung die äußere Glasplatte halb unterstützt Ist.
Diese Werte sind nur gültig wenn die innere Glasscheibe gleich dick oder dicker als die außere Glasscheibe ist.

• Spezifische Anwendungen
Für spezifische Anwendungen (Eckdetaillierung, Fassade in Facetten, Fassade unter Neigung,...) wird bei einer Lösung die von der Kataloglösung abweicht, die technische Machbarkeit untersucht.
Nach Genehmigung des Objektes wird für die betreffende Partie vom Verklebungsprofile 034.1116.17, 034.0142.17 und 134.0116.17 die Verklebungsvorschrift von das siliconen liefrant zur Kunde geschickt.

Anlage: FORM 158

II.6 VERARBEITUNG DER SERIE CW 50-STRUCTURAL GLAZING (CW 50-SG)

II.6.1. Das Einbringen der structurelle dichtbahn

Das Einbringen der Structurelle Dichtung erfolgt in die vorgesehenen Dichtungsaufnahmen. Beim Einbringen der Dichtungen wird der überlange Zuschnitt durch stauchen der Dichtungprofile kompensiert. Durch Anwendung des Silikonssprays (Art.-Nr. 086.9551.--) wird das Einbringen der Dichtungen besonders erleichtert. Die Schnittflächen sollen grundsätzlich mit unserem Vulkanisierkleber (Art.-Nr. 084.9108.04) verklebt werden.

II.6.2. Montagevorschriften

Um der Systemart willen, namentlich die Aufstellung von Cassetten auf eine Tragstruktur, ist die
Positionierung der Tragstruktur sowie die Aufstellung von Cassetten auf diese Struktur äußerst wichtig in Anbetracht einer korrekten Verankerung und um eine gute wind- und wasserdichte Fassade zu bekommen. Die Toleranzen sollen auf jeden Fall auf ein Minimum beschränkt werden (Maximalabweichung 1 bis 2 mm im Vergleich mit dem nominalen Außenmaß). Die Fassadestruktur darf weder einer statischen noch einer dynamischen Spannung auf die Verglasung ausüben. Die Maximaldurchbiegung unter Einfluß des Windes darf nicht mehr als 1/200 sein mit ein Maximum von 15mm. Die Maximaldurchbiegung des Pfostenprofils unter Einfluß des Eigengewichts der Füllung ist 3mm.

6.2.1 Befestigung am Baukörper

Die Befestigung am Baukörper erfolgt durch Befestigungsanker. Die Anzahl, die Position sowie die
Verankerungsart sollen dafür sorgen, daß die auf das Fassadenelement wirkenden Kräfte an die bauseitige Konstruktionen abgeleitet werden können. Diese Kräfte sind u.a.: Windlast, Eigengewicht, Verkehrslast, Sonnenschutz, Radiatoren, Installationen für Fensterputzer, usw...
Die Verankerung darf auf keinen Fall die Tragfähigkeit der bauseitigen Konstruktionsteile beeinflussen. Die Position sowie die Ausführung der Anker oder anderer Befestigungsmittel sollen dafür sorgen, dass das Element von der Baukonstruktion nicht belastet und verformt werden kann.
Änderungen der Länge, die von Temperaturschwankungen verursacht werden, müssen ungehindert
aufgenommen werden können. Die zulässigen Toleranzen vom Baukörper sollen von der Fassadekonstruktion sowie von den Ankern aufgenommen werden und Wassereinbruch oder Luftdurchzug vermeiden. Deshalb soll die Verankerung genügend Verstellmöglichkeiten haben, um die Einpassung während der Montage noch beeinflussen zu können. Verankerungen sollen die Funktionstüchtigkeit der beweglichen Teile und des Zubehörs nicht beeinträchtigen.
Bewegungen zwischen dem Baukörper und dem Fassadeelement sollen keine störenden Geräusche
verursachen.
Pro Stock oder jede 4m wird eine Ausdehnungsfuge versehen. Die Ausdehnung in die Höherichtung soll max. 4mm sein.

6.2.2 Einbau der öffnenden Flügel (Füllelemente) und Brüstungselemente

Für die Aufstellung der Flügel auf die Tragstruktur verweisen wir auf den Katalog Seite 51.E.... .

6.2.3 Einbau der Beschläge

Die Auswahl von Befestigungspunkten, die Anzahl Schließpunkte, die Anzahl Bänder, das
Maximalflügelgewicht, die Maximalflügelabmessungen, das angewandte Flügelgewicht, … hat entsprechend den Vorgaben des Systemlieferanten bzw. des Herstellers der Beschläge zu erfolgen. Gleitende sowie bewegliche Unterteile sollen mit säurefreiem Fett versehen werden. Eine Funktionsprüfung der Beschläge ist nach erfolgter Fertigung und Montage unerlässlich.
Für spezifische Einbaudetails verweisen wir auf den Katalog Seite 51.F.... .

II.6.3. CW 50-Structural Glazing

6.3.1 Allgemein

Das System CW 50 ist die Basis des Glasfassadensystems CW 50-SG. Dieses CW 50-SG System ist eine Aufstellungsweise für die Anfertigung von vollständig ebenen Dächer und Fassaden. Eine Serie von Klemmprofilen, die in die Schraubkanäle der Tragstuktur verschraubt werden, drücken die Blendrahmen gegen die auf dem Aluminiumfenster befestigten EPDM-Dichtungen. Dies ist möglich dank der U-Form im alu Blendrahmen

6.3.2 Bestellung Profile

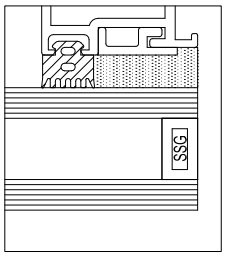
Für jedes CW 50-SG Objekt führt die technische Abteilung von Reynaers Aluminium Duffel eine Untersuchung durch. Auf dieser Grundlage kann eine Genehmigung für die Lieferung der notwendigen Profile erteilt werden. Diese Untersuchung stützt sich auf ein ausgefülltes Antragsformular Typ ‘Form 158’, wovon ein Muster- Exemplar sich in der Anlage befindet. Dieses Formular muss zur Technischen Abteilung von Reynaers Aluminium Duffel geschickt werden, wonach die Untersuchung gestartet werden kann.

6.3.3 Strukturelle Verklebung

a. Strukturelle Verklebung: zu berücksichtigen Punkte

• Structureller Klebstoff zu benutzen = Dow corning:DC993 oder Sika: SG500 oder Tremco: VEC 99 Proglaze II (oder andere Silikonen angegeben in ETA)

Nur für den strukturellen Klebstoff DC 993 /SG500/VEC 99/Proglaze II sind die im EOTA-Führer für strukturelle Verglasungssysteme Beschriebenen Adhäsionsprüfungen und Vereinbarkeitsprüfungen mit den umliegenden Materialien ausgeführt. Für jede neue Partie von Verklebungsprofil werden bei Dow Corning / Sika / Tremco beschleunigte Adhäsionsprüfungen (sogenannte “Peeltests”), genauso wie die Anoprüfungen ausgeführt. Auf der Grundlage der Ergebnisse dieser Prüfungen wird eine Verklebungsvorschrift für diese Partie des Verklebungsprofils aufgestellt (Nr. DC XXXXX), in der gemeldet wird, dass die Profile für strukturelle Benutzung genehmigt sind. Es ist wichtig zu bemerken, dass diese Vorschrift nur 6 Monate gültig ist. Eine Erneuerung der Vorschrift kann bekommen werden wenn man nach 6 Monaten die obigen Tests aufs Neue ausführen lässt.



• Reinigungsmittel zu benutzen für Verklebungsprofile 034.1116.17, 034.0142.17 und 134.0116.17
Vor dem Anbringen des strukturellen Klebstoffs auf das Verklebungsprofil muss dieses Profil gereinigt werden. Das Reinigungsmittel dient sowohl als Entfettungsmittel als auch als Primer. Die Anwendung eines zusätzlichen Primers ist nicht notwendig. Das steht selbstverständlich auch in der Verklebungsvorschrift angegeben.

• Mögliche Verglasungen
Die meist üblichen Verglasungen können in diesem System eingesetzt werden; ETA kann hierüber Aufschluß geben. Für Doppelverglasung ist der zu benutzen Klebstoff für die hermetische Fuge zwischen beiden Glasplatten bevorzugt DC 3362 Dow Corning/IG25SIKA/TREMCO JS562, auch ein struktureller Klebstoff. Bei der Lösung mit Verklebung auf dem äußeren Glasblatt und Stufenglas darf die äußere Glasplatte nicht völlig erhärtet sein. Für Glas mit erhöhtem Bruchwiderstand kommt in diesem Fall für die äußere Glasplatte nur halberhärtetes Glas (durci) in Betracht. Für Glasplatten mit einem Coating auf Seite 2 (die Seite auf der geklebt wird) ist es notwendig in bestimmten Fällen dieses Coating auf der Höhe der Leimfuge zu entfernen um eine genügende Haftung in der Zeit zu garantieren. Mehr Information hierüber können Sie beim Glaslieferanten und/oder bei das siliconen liefrant bekommen. Min. Glasdicke 24 Max. Glasdicke 36.
Die zugelassenen Glaszusammensetzungen sind ebenso in der technischen Genehmigung angegeben (ETA).

• Unterstützung für Eigengewicht
Dieses System darf nur eingesetzt werden unter der Bedingung, dass beide Glasplatten für Eigengewicht unterstützt sind, so dass die Leimfuge nicht einer kontinuierlichen Scherbelastung unter Einfluss des Eigengewichtes ausgesetzt ist. Konkret heißt das, dass mindestens die Hälfte der äußeren Glasplatte unterstützt sein muss. Im Fall von geschichteter Verglasung muss mindestens die Hälfte der meist äußeren Glasplatte halb unterstützt sein: z.B. für geschichtete Verglasung Typ 44.2 mit einer Gesamtdicke von ungefähr 8,8 mm muss mindestens 7,8 mm unterstützt sein. Die PVB Schichten sind doch nicht entwickelt um eine kontinuierliche Scherbelastung aufzufangen.

• Vereinbarkeit umliegende Materialien mit dem strukturellen Klebstoff
Alle umringenden Materialien der strukturellen Fuge müssen mit dem strukturellen Klebstoff vereinbar sein. Die Materialien des Systems wie in diesem Katalog beschrieben, sind selbstverständlich auf ihre Vereinbarkeit mit dem strukturellen Klebstoff getestet, auch die benutzten EPDM-Dichtungen.
Wenn aber andere Materialien im System eingesetzt werden, müssen die notwendigen Vereinbarkeitszeugnisse vorgelegt werden können.

• Distanzstück
Die Dichtung 080.9300.4, 080.9301.04, 080.9303.04 wird in diesem System als Distanzstück zwischen dem Verklebungsprofil und dem Glas eingesetzt. Diese Dichtung versichert folglich, dass das Glas überall genau ebenso weit vom Verklebungsprofil entfernt ist (6,4 mm). Die Dicke der strukturellen Fuge ist folglich konstant. Wie oben schon gemeldet, ist selbstverständlich auch diese Dichtung auf Vereinbarkeit mit dem strukturellen Klebstoff getestet.

• Glasauflagen
Zwischen die Aluminium-Glasauflage und das Glas muss ein Silikonenklotz Type colypro (colimit) mit einer Härte von 70 bis 80 SHORE A montiert werden. Diese Klötze sind nicht in der Reynaers-Produktpalette anwesend aber bei den meisten

Verklebungsfirmen sind sie aus Vorrat lieferbar. Wichtig ist, dass auch diese mit dem strukturellen Klebstoff vereinbar sind.

• Verklebungsfirmen

Die Verleiming darf nur ausgeführt werden von Verleimern die für die strukturelle Verleimung gemäß ETAG 002 genehmigt wurden.
Die Verleimung zwischen der Glasplatte und dem Flügel soll perfekt rechtwinklich gemacht werden damit die Funktionalität beim Öffnen und Schließen des Flügels zu versichern.

b. Bestellung Verklebungprofile 034.1116.17, 034.0142.17 und 134.0116.17

Für jedes Objekt, für das das Profil CW 50-SC angewandt wird, führt die technische Abteilung von Reynaers Aluminium Duffel eine Untersuchung durch. Auf dieser Grundlage kann eine Genehmigung erteilt werden, die für die Lieferung der Verklebungsprofile notwendig ist. Diese Untersuchung stützt sich auf ein vollständig ausgefülltes Antragsformular (Typ Form 158 oder digitale Anwendung).Diese Untersuchung kann in folgende 3 Teile aufgeteilt werden.

• Kontrolle Abmessungen strukturelle Fuge

Auf der Grundlage der Windbelastung (Höchstwindbelastung mit Rückkehrperiode von 10 Jahren), der Elementabmessungen und der Glaszusammensetzung wird geprüft, ob die klassische Höhe der strukturellen Fuge (= 15,5 mm) reicht um diese Windbelastung aufzufangen. Weiter muß auch kontrolliert werden, ob die Dicke der strukturellen Fuge (klassisch 6,4 mm) reicht um den Unterschied in Wärmeausdehnung zwischen Glas und Aluminium aufzufangen. Auch wird bei Dow Corning eine Bestätigung dieser Berechnungen gefragt.

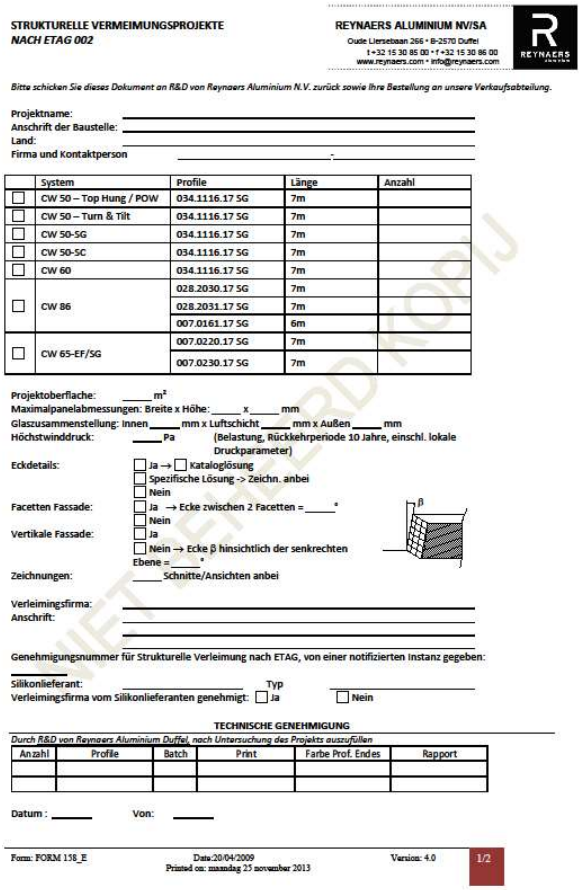
• Kontrolle Elementabmessungen

Für aufgehende Teile wird geprüft, ob die vorgeschlagenen Elementabmessungen und das Elementgewicht realisiert werden können mit den Scheren in unserer Produktpalette. Wir beziehen uns hierfür auch auf die Diagramme für zulässige Abmessungen weiter im Katalog. Für feste Teile wird hauptsächlich eine Gewichtskontrolle ausgeführt (neben selbstverständlich der Kontrolle der
Fugenabmessungen selbst - siehe ersten Punkt). Bei Einsetzung von 2 Glasauflagen mit einer Breite von 100 mm, was verpflichtet ist, muß das gesamte Elementgewicht auf 180 kg beschränkt bleiben.
Schliesslich wird noch geprüft, ob mit der vorgeschlagenen Glaszusammensetzung die äußere Glasplatte halb unterstützt Ist.
Diese Werte sind nur gültig wenn die innere Glasscheibe gleich dick oder dicker als die außere Glasscheibe ist.

• Spezifische Anwendungen

Für spezifische Anwendungen (Eckdetaillierung, Fassade in Facetten, Fassade unter Neigung,...) wird bei einer Lösung die von der Kataloglösung abweicht, die technische Machbarkeit untersucht.
Nach Genehmigung des Objektes wird für die betreffende Partie vom Verklebungsprofile 034.1116.17, 034.0142.17 und 134.0116.17 die Verklebungsvorschrift von das siliconen liefrant zur Kunde geschickt.

Anlage: FORM 158 > intranet



STRUKTURELLE VERMEIMUNGSPROJEKTE
NACH ETAG 002

REYNAERS ALUMINIUM NV/SA
Oude Liersebaan 266 • B-2570 Duffel
t +32 15 30 85 00 • f +32 15 30 86 00
www.reynaers.com • info@reynaers.com

Bitte schicken Sie dieses Dokument an R&D von Reynaers Aluminium N.V. zurück sowie Ihre Bestellung an unsere Verkaufsabteilung.

Projektname: _____
Anschrift der Baustelle: _____
Land: _____
Firma und Kontaktperson _____

	System	Profile	Länge	Anzahl
☐	CW 50 – Top Hung / POW	034.1116.17 SG	7m	
☐	CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐	CW 50-SG	034.1116.17 SG	7m	
☐	CW 50-SC	034.1116.17 SG	7m	
☐	CW 60	034.1116.17 SG	7m	
☐	CW 86	028.2030.17 SG	7m	
		028.2031.17 SG	7m	
		007.0161.17 SG	6m	
☐	CW 65-EF/SG	007.0220.17 SG	7m	
		007.0230.17 SG	7m	

Projektoberflache: ____ m²
Maximalpanelabmessungen: Breite x Höhe: ____ x ____ mm
Glaszusammenstellung: Innen ____ mm x Luftschicht ____ mm x Außen ____ mm
Höchstwinddruck: ____ Pa (Belastung, Rückkehrperiode 10 Jahre, einschl. lokale Druckparameter)
Eckdetails: ☐ Ja → ☐ Kataloglösung ☐ Spezifische Lösung -> Zeichn. anbei ☐ Nein
Facetten Fassade: ☐ Ja → Ecke zwischen 2 Facetten = ____° ☐ Nein
Vertikale Fassade: ☐ Ja ☐ Nein → Ecke β hinsichtlich der senkrechten Ebene = ____°
Zeichnungen: ____ Schnitte/Ansichten anbei
Verleimingsfirma: _____
Anschrift: _____
Genehmigungsnummer für Strukturelle Verleimung nach ETAG, von einer notifizierten Instanz gegeben: _____
Silikonlieferant: _____ Typ _____
Verleimingsfirma vom Silikonlieferanten genehmigt: ☐ Ja ☐ Nein

TECHNISCHE GENEHMIGUNG
Durch R&D von Reynaers Aluminium Duffel, nach Untersuchung des Projekts auszufüllen

Anzahl	Profile	Batch	Print	Farbe Prof. Endes	Rapport

Datum : _____ Von: _____

Form: FORM 158_E Date:20/04/2009 Printed on: maandag 25 november 2013 Version: 4.0 1/2

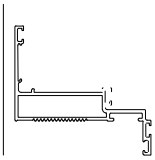
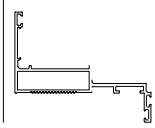
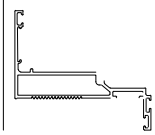
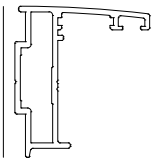
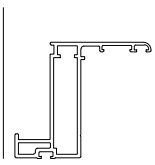
NIET GEHERDRUKT

C

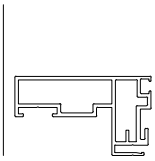
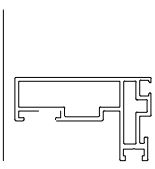
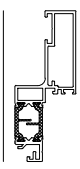
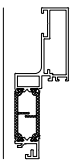
Reynaers Aluminium

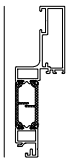
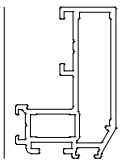
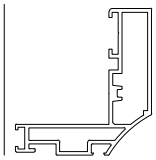
Profielen
Profilés
Profiles
Profile

BUITENKADER GEVEL
DORMANT MUR-RIDEAU
OUTER FRAME CURTAIN WALL
BLENDRAHMEN FASSADE

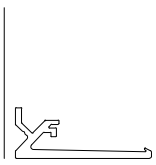
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.0125.XX		40.37	6.0	7.00	32.509	9.923
134.0135.XX		43.80	6.0	7.00	46.552	10.026
134.0145.XX		41.08	6.0	7.00	39.156	10.066
034.0140.XX		19.13	5.5	6.50	2.030	3.969
034.0162.XX		32.08	5.6	7.00	23.128	10.675

VLEUGEL
OUVRANT
VENT
FLUEGEL

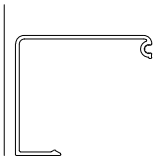
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.0130.XX		31.28	9.2	7.00	24.835	7.630
134.0140.XX		27.96	8.6	7.00	20.153	5.834
134.2130.XX		56.83	15.7	7.00	42.973	11.525
134.2135.XX		34.10	8.3	7.00	43.389	8.073

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.2140.XX		36.09	9.5	7.00	60.855	9.177
034.0141.XX		23.61	6.2	6.50	3.224	8.627
034.0163.XX		33.10	10.1	7.00	26.660	19.536

GLASLAT
PARCLOSE
GLAZING BEAD
GLASLEISTE

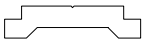
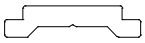
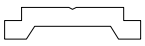
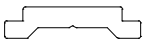
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
107.0030.XX		12.77	5.6	7.00	0.159	1.460

BEKLEDINGSPROFIEL
PLANCHETTE
COVER PROFILE
PANEEL

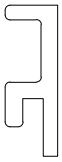
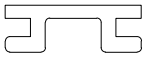
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
034.0159.XX		31.30	12.7	7.00	14.852	13.691

C

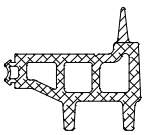
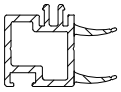
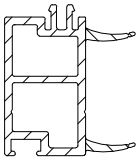
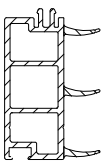
SLUITLAT
TRINGLE
LINK BAR
SCHUBSTANGE

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
001.0075.17		4.90	1.8	6.00	-	-
011.2025.AN		4.88	-	6.50 5.80	0.008	0.185
001.0095.17		4.95	1.5	6.00	0.008	0.177
011.2025.AN		4.88	-	6.50 5.80	0.008	0.185

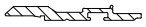
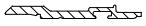
BEGLAZINGSPROFIEL SG
PROFILE DE VITRAGE SG
GLAZING PROFILE SG
VERGLASUNGSPROFIL SG

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
034.1116.17SG		5.35	-	7.00		
034.0142.17		5.92	-	6.50	0.126	0.016
134.0116.17		5.97	6.0	6.00	0.015	0.111

VULPROFIEL KUNSTSTOF
PROFILE DE REMPLISSAGE MATIERE SYNTHETIQUE
FILLING PROFILE SYNTHETIC MATERIAL
FUELLUNGSPROFIL KUNSTSTOFF

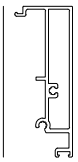
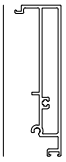
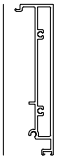
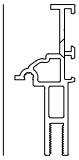
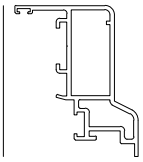
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
034.0583.04		-	-	6.00	-	-
134.0180.04		0.01	-	7.00	0.896	1.242
134.0183.04		0.01	-	7.00	3.316	1.681
134.0186.04		0.01	-	7.00	7.984	2.383

AFDICHTINGSPROFIEL
PROFILE D´ETANCHEITE
SEALING PROFILE
ABDICHTUNGSPROFIL

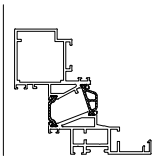
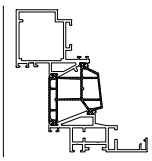
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.0300.04		0.01	-	7.00	2.976	0.028
134.0301.04		0.01	-	7.00	4.191	0.030
134.0302.04		0.01	-	7.00	5.735	0.032
134.0303.04		0.01	-	7.00	11.146	0.037
134.0304.04		0.01	-	7.00	13.506	0.039

C

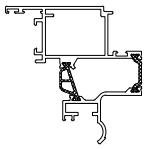
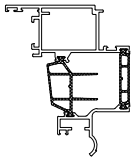
OPZETPROFIEL HALVE DRAAGPROFIEL 83.5MM
PROFILE AUXILIAIRE DEMI-MENEAU 83.5MM
AUXILIARY PROF. HALF SUSPENSION PROF. 83.5MM
ZUSATZPROFIL HALBER PFOSTENPROFIL 83.5MM

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
034.0212.XX		28.77	11.1	7.00	28.235	2.440
034.0213.XX		32.97	13.2	7.00	56.089	2.961
034.0214.XX		37.15	15.3	7.00	101.382	3.516
034.0215.XX		41.39	17.4	7.00	158.487	3.913
034.0218.04		-	-	7.00	-	-
034.1219.XX		26.19	1.1	7.00	10.370	1.007
034.0220.XX		29.86	11.3	7.00	17.178	5.993

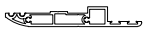
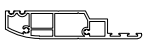
VLEUGEL DAKRAAM
OUVRANT TABATIERE
VENT ATTIC WINDOW
FLUEGEL DACHFENSTER

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.0770.XX		53.18	10.7	7.00	46.448	55.416
134.0780.XX		53.44	10.7	7.00	75.569	56.344

BUITENKADER DAKRAAM
DORMANT TABATIERE
OUTER FRAME ATTIC WINDOW
BLENDRAHMEN DACHFENSTER

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.0775.XX		43.31	13.2	7.00	21.773	25.831
134.0785.XX		43.31	13.0		37.000	25.831

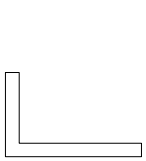
AFDEKPROFIEL
PROFILE DE RECOUVREMENT
COVERING PROFILE
ABDECKPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.0570.XX		25.69	10.9	7.00	0.774	32.891
134.0572.XX		26.39	11.9	7.00	2.843	40.142

GLASSTEUN 55MM
SUPPORT CALE DE VITRAGE 55MM
GLASS SUPPORT 55MM
GLASAUFLAGEPROFIL 55MM

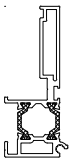
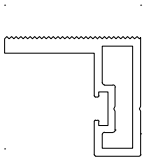
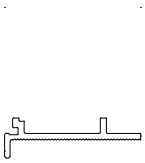
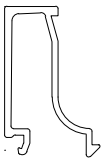
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
000.0067.00		-	-	7.00	0.061	6.542
000.0068.00		16.05	-	7.00	0.076	14.857

L-PROFIEL 20x12x2MM
PROFILE-L 20x12x2MM
L-PROFILE 20x12x2MM
WINKELPROFIL 20x12x2MM

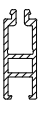
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
134.1242.XX		6.48	1.4	6.00	0.073	0.245

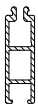
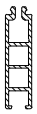
C

AANSLUITINGSPROFIEL
PROFILE DE RACCORDEMENT
CONNECTION PROFILE
ANSCHLUSSPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
034.0112.XX		24.87	8.9	7.00	17.996	2.524
034.1050.00		13.13	-	7.00	1.245	1.346
034.1051.XX		14.24	0.9	7.00	2.214	0.054
034.1052.XX		15.93	3.8	7.00	0.342	1.052

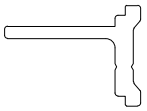
AFSTANDSHOUDER BEGLAZING
REDUCTEUR DE FEUILLURE VITRAGE
FILLISTER REDUCER PART GLAZING
GLASFALZVERKLEINERUNGSPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
034.0517.XX		4.36	0.8	7.00	-	-
034.0617.XX		5.28	1.2	7.00	-	-
034.0514.XX		6.06	0.2	7.00	-	-
034.0618.XX		6.88	2.0	7.00	-	-
034.0615.XX		10.45	3.3	7.00	0.167	0.080
034.0619.XX		11.25	3.7	7.00	0.228	0.088
034.0616.XX		12.23	4.9	7.00	0.488	0.118
034.0420.XX		13.85	6.5	7.00	-	-
034.0610.04		-	-	7.00	-	-
034.0611.04		-	-	7.00	-	-

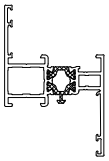
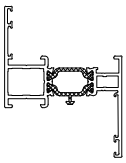
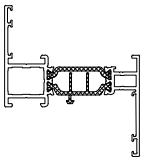
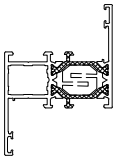
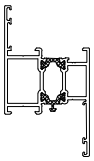
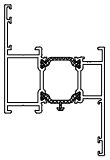
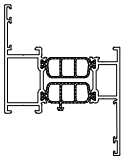
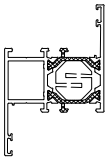
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
034.0413.04		-	-	7.00	-	-
034.0421.04		-	-	7.00	-	-

C

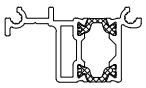
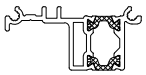
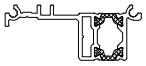
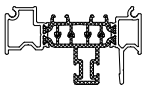
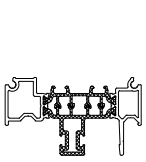
GEVELPROFIEL
MENEAU
SUSPENSION PROFILE
PFOSTENPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
403.0726.XX		7.62	2.7	7.00	0.349	0.144

Z-PROFIEL
PROFILE-Z
Z-PROFILE
Z-PROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
001.1442.XX		34.74	11.0	7.00	10.722	8.623
005.1442.XX		34.74	11.0	7.00	15.942	8.623
008.3442.XX		34.74	11.0	7.00	17.888	8.623
003.0442.XX		29.57	10.4	7.00	9.997	7.055
001.1443.XX		37.33	13.5	7.00	13.258	16.336
005.1443.XX		37.33	13.5	7.00	19.794	16.336
008.3443.XX		37.33	13.3	7.00	27.872	16.336
003.0441.XX		30.77	11.6	7.00	11.100	9.787

KOPPELPROFIEL
PROFILE DE RACCORDEMENT
CONNECTION PROFILE
KUPPLUNGSPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
001.0836.XX		17.79	2.8	7.00	1.819	3.597
005.0836.XX		20.59	2.8	7.00	1.979	5.670
008.0836.XX		22.35	2.3	7.00	8.499	2.049
108.2835.XX		22.02	4.7	7.00	22.076	3.520
108.2836.XX		22.02	4.7	7.00	22.074	3.520

C

BUITENDRAAIEND ELEM - SG
ELEM.OUVERTURE VERS L'EXT. - SG
OUTWARD OPENING WINDOW - SG
AUSSEN OEFF. ELEM. - SG

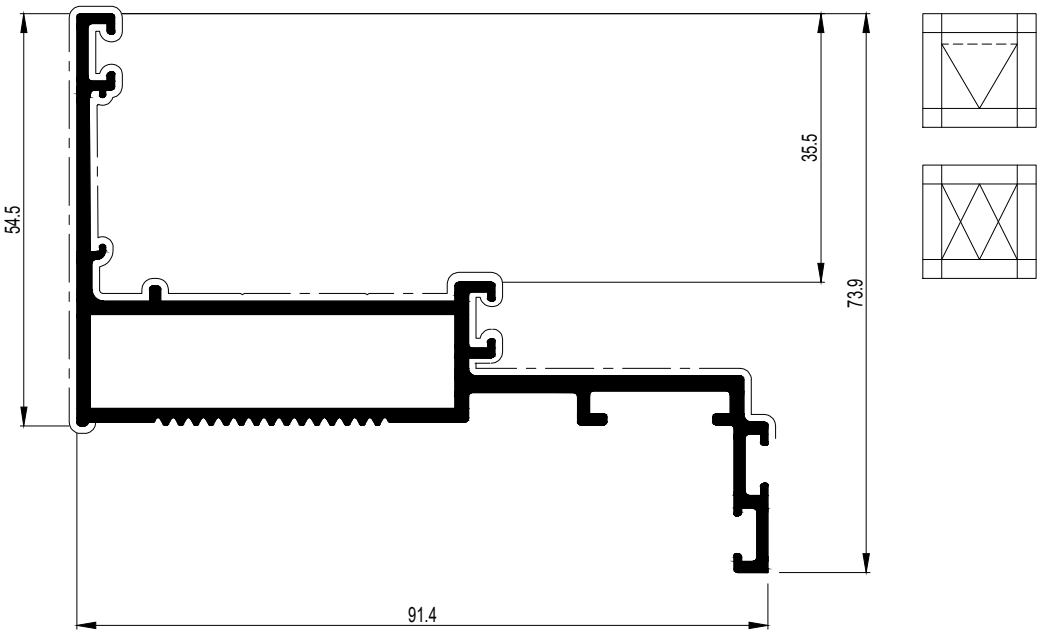
BUITENDRAAIEND ELEM - SG
ELEM.OUVERTURE VERS L'EXT. - SG
OUTWARD OPENING WINDOW - SG
AUSSEN OEFF. ELEM. - SG

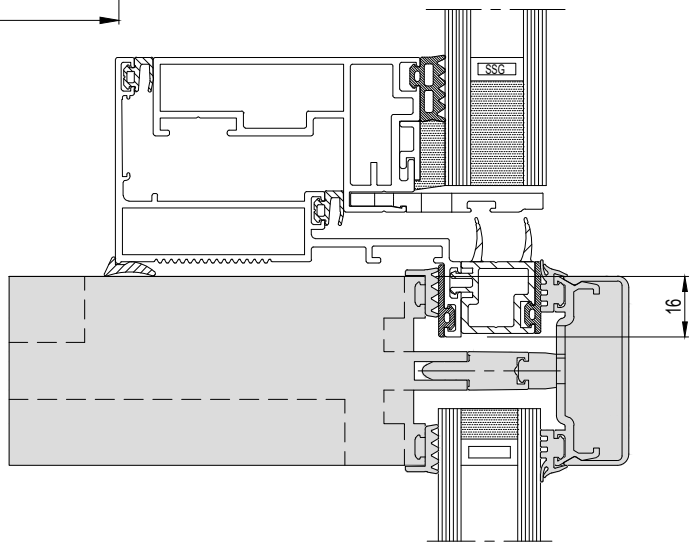
Reynaers Aluminium

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0135.XX	43.98	6.0	7.00	46.503	8.775	52.99	9.985	2.309	30.87
134.0130.XX	31.28	9.2	7.00	24.835	5.897	28.59	7.630	3.044	25.07
034.1116.17SG	5.35	-	7.00						

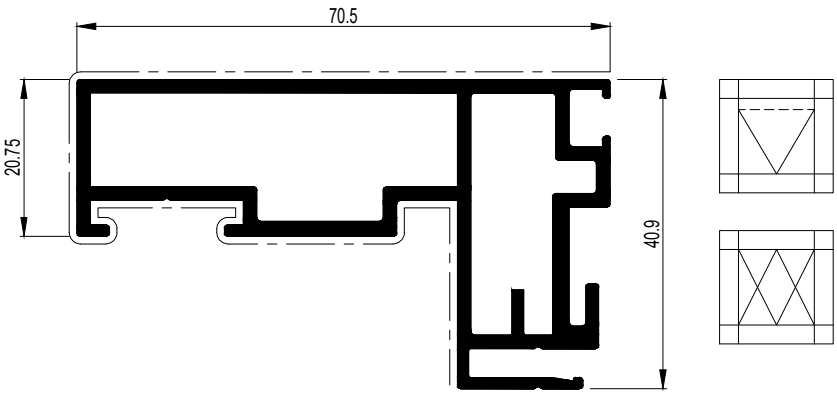
X Y Y X 0

134.0135.XX

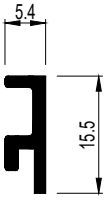




134.0130.XX



034.1116.17SG



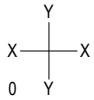
FORM 158

134.0135.XX	
068.7303.00 060.8746.00 or 060.8723.-- 068.7563.00	095.H800.00

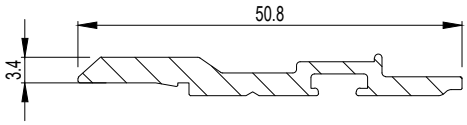
134.0130.XX	
068.7303.00	095.H800.00

BESTELLEN 034.1116.17SG, ZIE VERWERKINGSVOORSCHRIFTEN
COMMANDER 034.1116.17SG, VOIR RECOMMANDATIONS DE MISE EN OEVRE
ORDERING 034.1116.17SG, SEE PROCESSING DATA
BESTELLEN 034.1116.17SG, SIEHE VERARBEITUNGSVORSCHRIFTEN

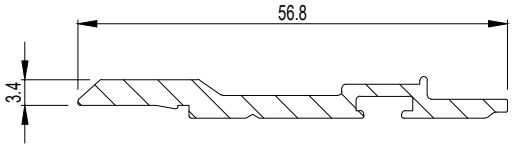
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0300.04	-	-	7.00	-	-	-	-	-	-
134.0301.04	-	-	7.00	-	-	-	-	-	-
134.0302.04	-	-	7.00	-	-	-	-	-	-
134.0303.04	-	-	7.00	-	-	-	-	-	-
134.0304.04	-	-	7.00	-	-	-	-	-	-



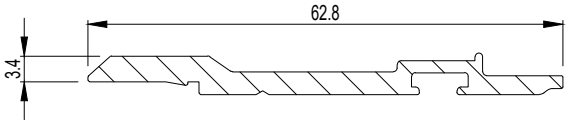
134.0300.04



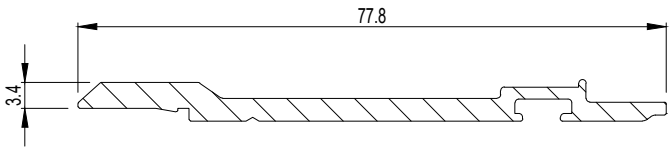
134.0301.04



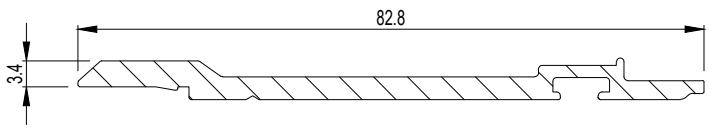
134.0302.04



134.0303.04



134.0304.04

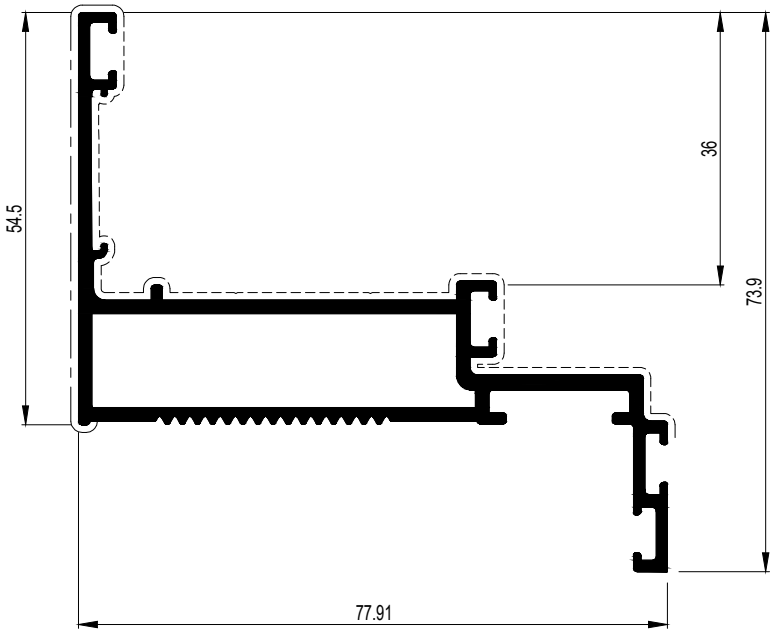


C

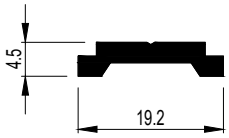
BUITENDRAAIEND ELEM - GB KADER
ELEM.OUVERTURE VERS L'EXT. - GB CADRE
OUTWARD OPENING WINDOW - GB FRAME
AUSSEN OEFF. ELEM. - GB RAHM

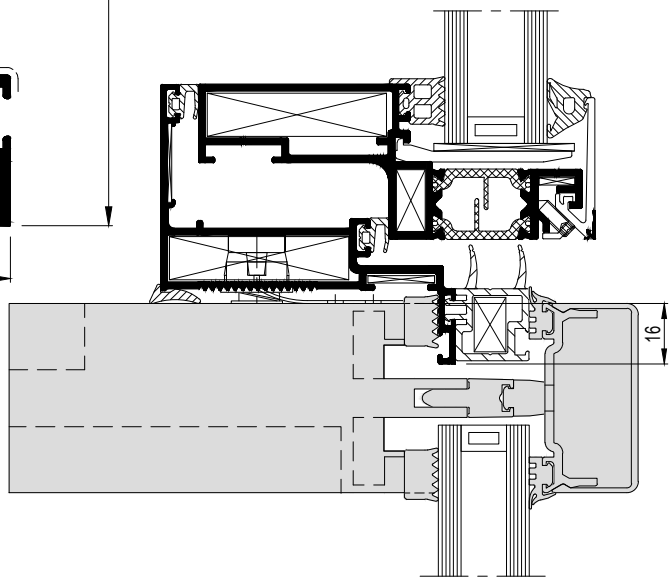
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0125.XX	40.77	6.0	7.00	32.550	7.329	44.42	9.871	2.305	31.28
134.0180.04	-	-	7.00	0.896	0.728	10.31	1.242	0.681	12.58
134.0183.04	-	-	7.00	3.316	1.793	17.11	1.681	0.883	11.77
134.0186.04	-	-	7.00	7.984	3.184	23.53	2.383	1.264	11.95
001.0095.17	4.95	1.5	6.00	0.008	0.029	2.56	0.177	0.185	9.60

134.0125.XX

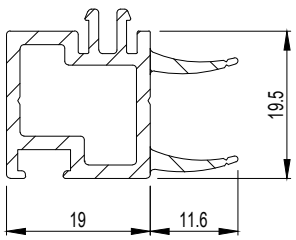


001.0095.17

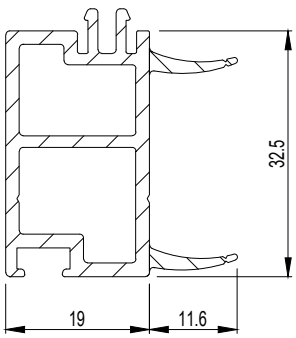




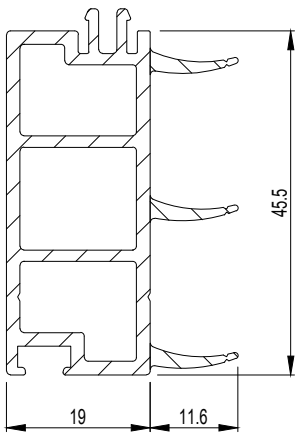
134.0180.04



134.0183.04



134.0186.04



134.0125.XX		
068.7303.00 060.8746.00 or 060.8723.-- 068.7563.00		095.H800.00

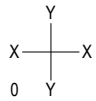
134.0180.04	
069.6560.04	095.H800.00

134.0183.04	
069.6560.04	095.H800.00

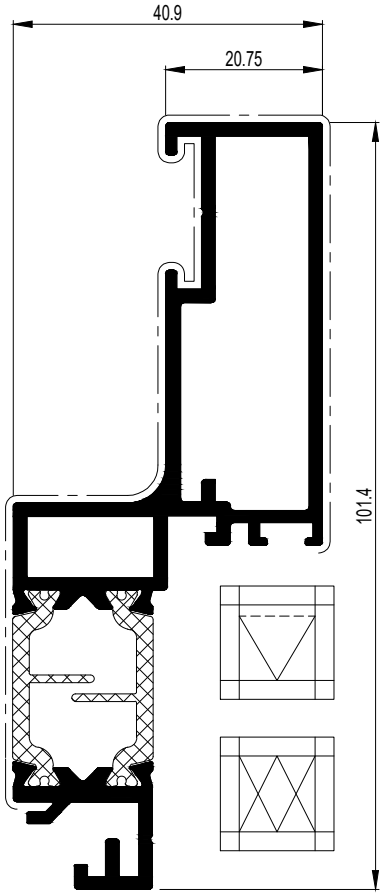
134.0186.04	
069.6560.04	095.H800.00

BUITENDRAAIEND ELEM - GB VLEUGEL
ELEM.OUVERTURE VERS L'EXT. - GB OUVRANT
OUTWARD OPENING WINDOW - GB VENT
AUSSEN OEFF. ELEM. - GB FLUEGEL

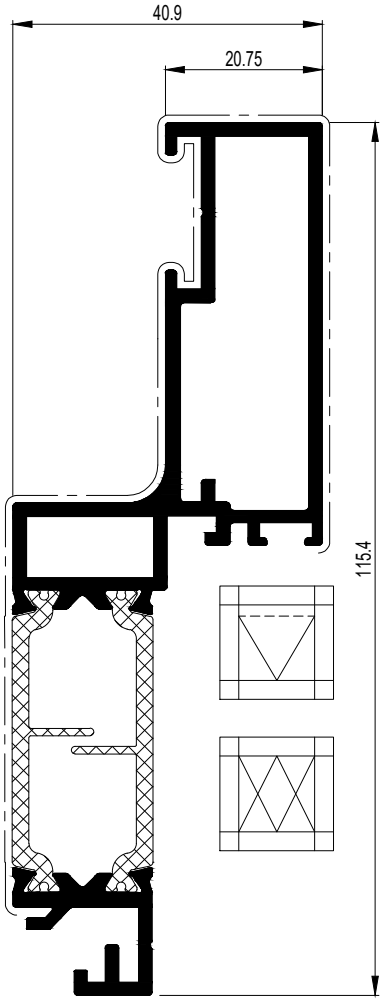
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.2130.XX	56.83	15.7	7.00	42.973	6.938	61.94	11.525	4.390	26.25
134.2135.XX	34.10	8.3	7.00	43.389	6.815	63.66	8.073	3.731	21.64
134.2140.XX	36.09	9.5	7.00	60.855	9.111	66.79	9.177	4.435	20.41
107.0030.XX	12.76	6.0	7.00	0.153	0.146	3.48	1.449	0.604	13.44



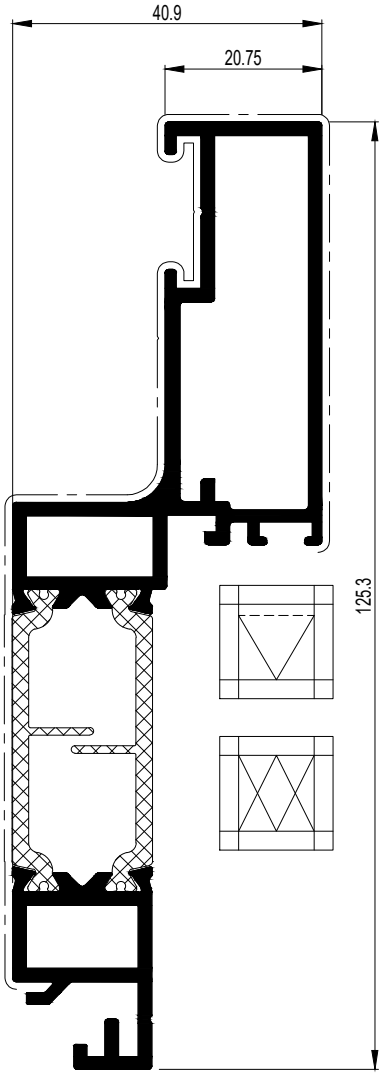
134.2130.XX



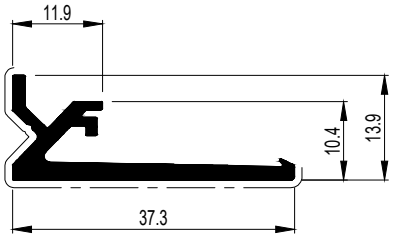
134.2135.XX



134.2140.XX



107.0030.XX



134.2130.XX		
	068.7303.00 068.7323.00 073.6333.00	095.H800.00

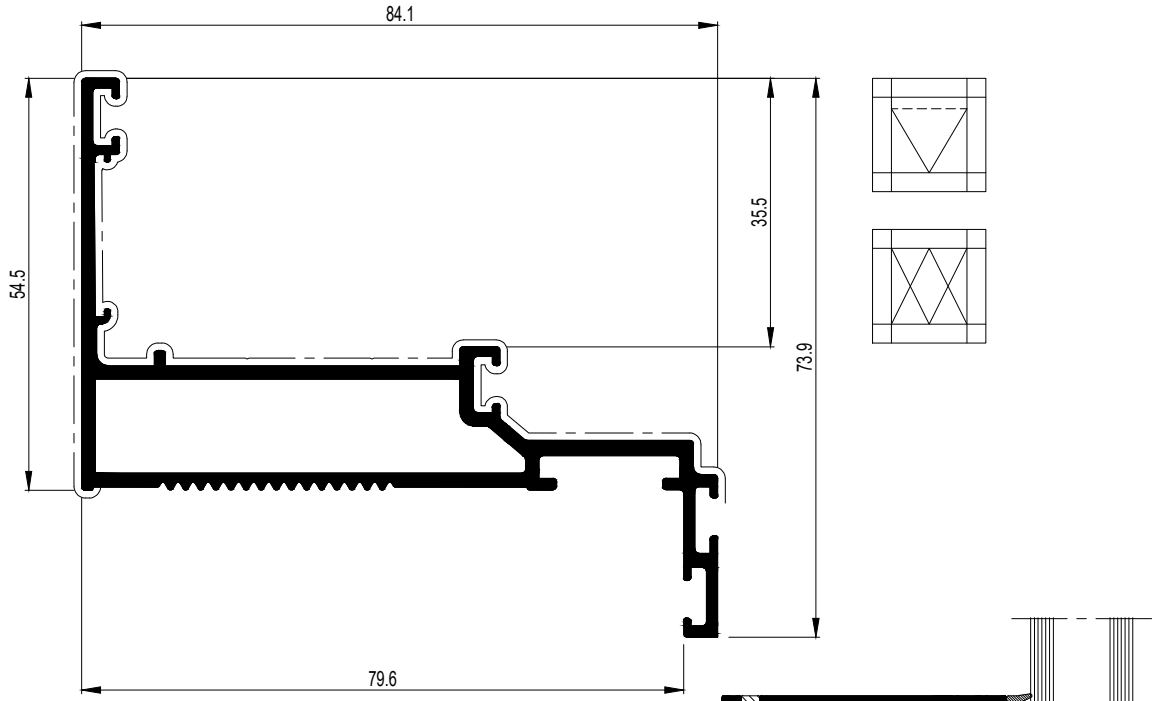
134.2135.XX		
	068.7303.00 068.7323.00 073.6333.00	095.H800.00

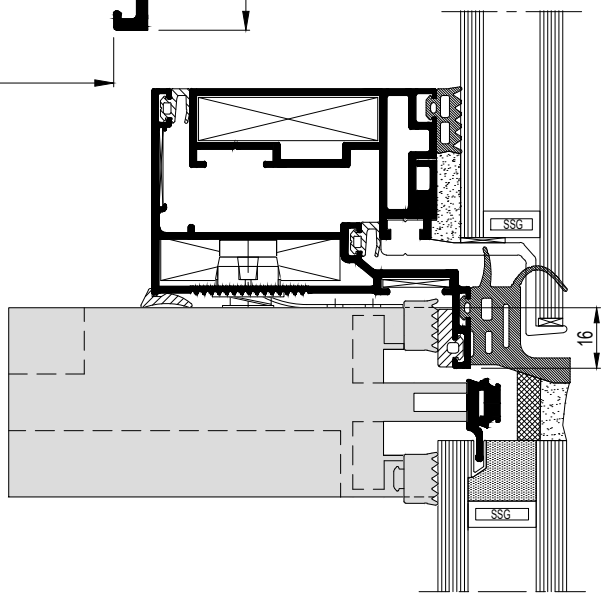
134.2140.XX		
	068.7303.00 068.7323.00 073.6333.00	095.H800.00

BUITENDRAAIEND ELEM - SGS
ELEM.OUVERTURE VERS L'EXT. - SGS
OUTWARD OPENING WINDOW - SGS
AUSSEN OEFF. ELEM. - SGS

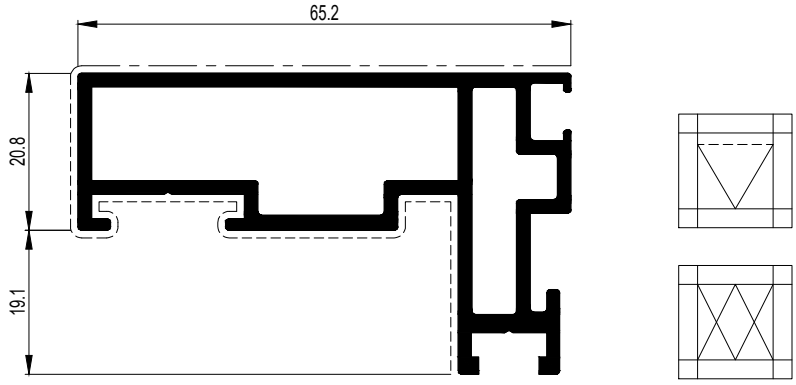
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0145.XX	41.40	6.0	7.00	39.175	8.149	48.08	10.000	2.320	31.00
134.0140.XX	27.96	8.6	7.00	20.153	5.186	26.55	5.834	2.314	25.21

134.0145.XX





134.0140.XX

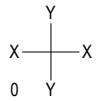


134.0145.XX		
	068.7303.00 060.8746.00 or 060.8723.-- 068.7563.00	095.H800.00

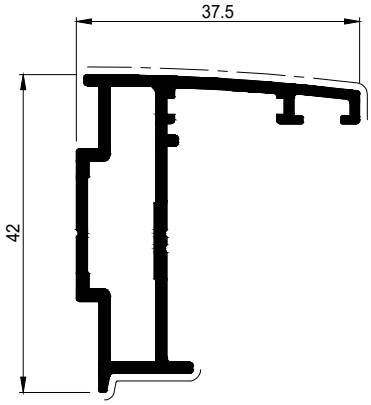
134.0140.XX		
	068.7303.00	095.H800.00

UITZETZAKRAAM FV SG
FENETRE OUVRANT A L'ITALIENNE FV SG
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG
SENKKLAPPFENSTER FV SG

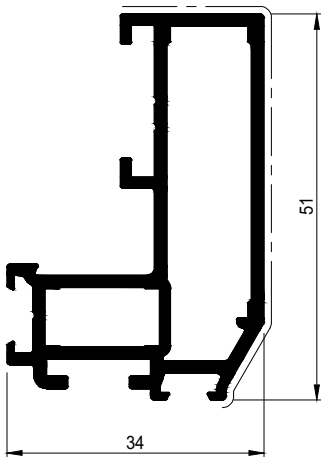
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
011.2025.AN	4.88	-	6.50/5.80	0.008	0.033	2.47	0.185	0.189	9.80
034.0141.XX	23.61	6.2	6.50	3.224	1.568	28.87	8.627	2.989	20.57
034.0140.XX	19.13	5.5	6.50	2.030	0.776	16.01	3.969	1.527	11.36
034.0142.17	5.92	-	6.50	0.126	0.118	2.98	0.016	0.055	10.71
034.0583.04	-	-	6.00	-	-	-	-	-	-



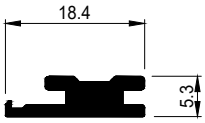
034.0140.XX



034.0141.XX

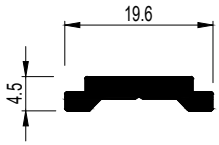


034.0142.17(SG)

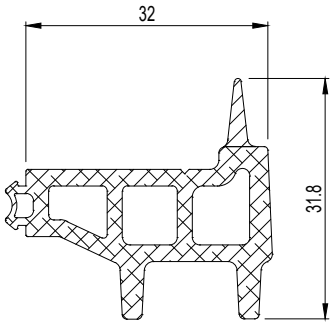


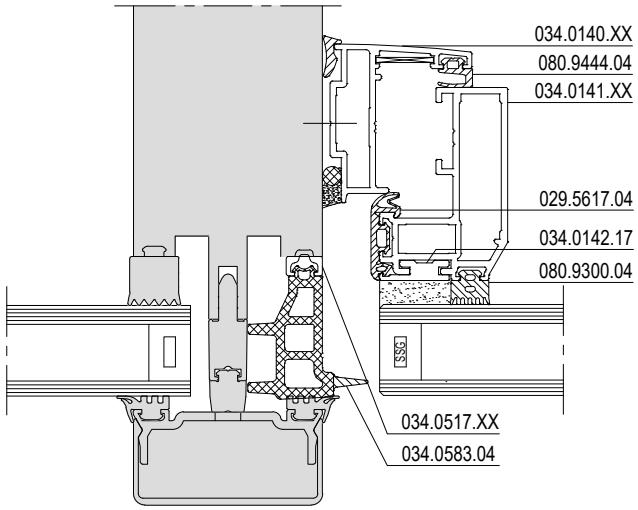
FORM 158

011.2025.AN



034.0583.04





034.0141.XX	
021.5846.00	---
021.5846.00	---
021.5847.00	---

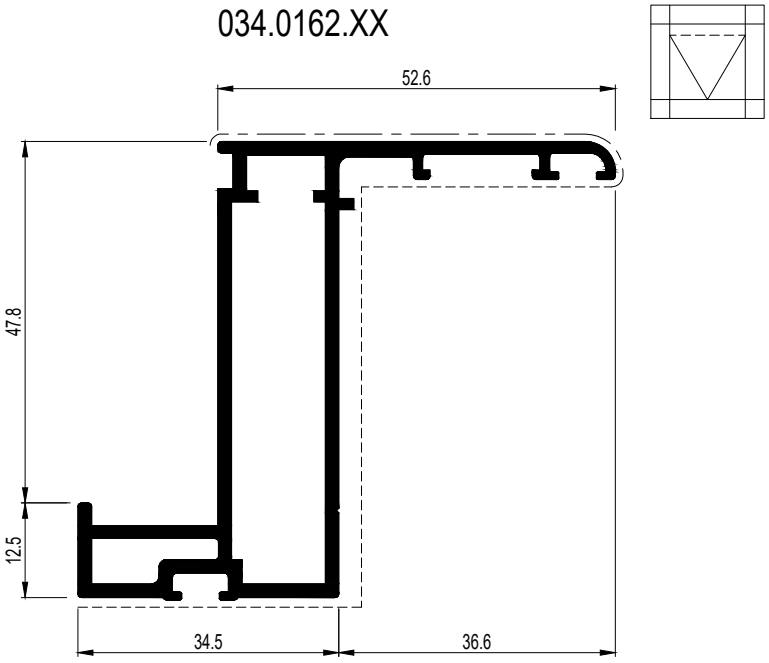
034.0140.XX	
021.5848.00	---
060.7722.--	---

BESTELLEN 034.0142.17SG, ZIE VERWERKINGSVOORSCHRIFTEN
COMMANDER 034.0142.17SG, VOIR RECOMMANDATIONS DE MISE EN OEUVRE
ORDERING 034.0142.17SG, SEE PROCESSING DATA
BESTELLEN 034.0142.17SG, SIEHE VERARBEITUNGSVORSCHRIFTEN

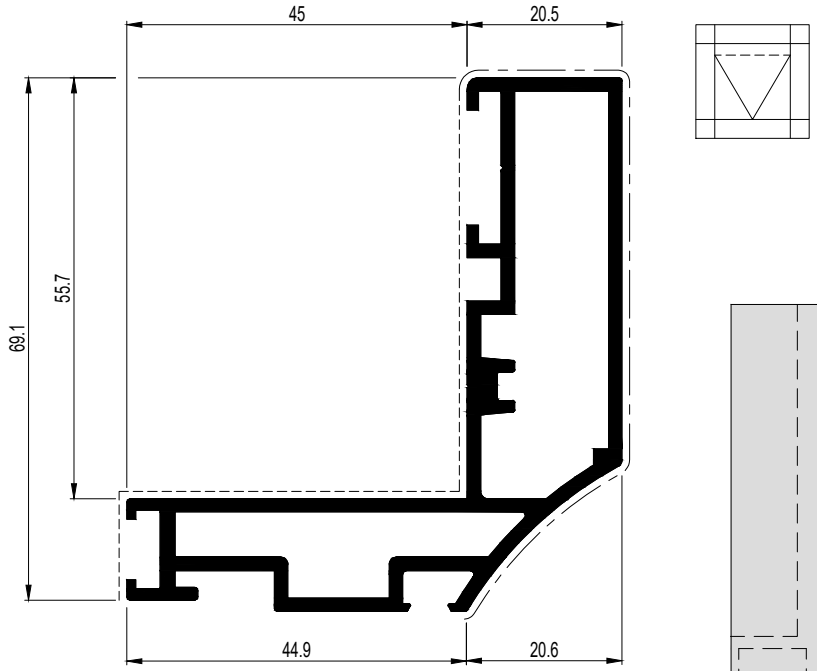
BUITENDR. ELEM. - CW 50-SG - CW 60-SG
ELEM.OUVERTURE VERS L'EXT. - CW 50-SG - CW 60-SG
OUTWARD OPENING WINDOW - CW 50-SG - CW 60-SG
AUSSEN OEFF. ELEM. - CW 50-SG - CW 60-SG

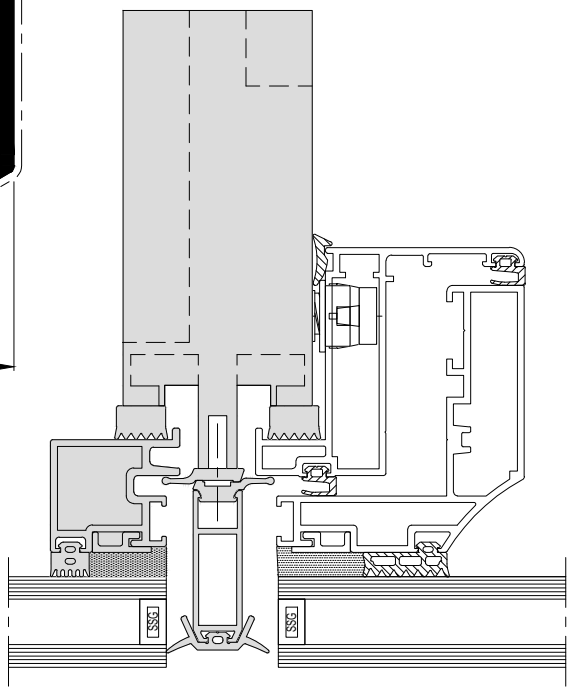
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
034.0162.XX	32.08	5.6	7.00	23.128	7.488	30.89	10.675	2.451	27.54
034.0163.XX	33.10	10.1	7.00	26.660	6.145	27.21	19.536	4.658	41.94

034.0162.XX



034.0163.XX





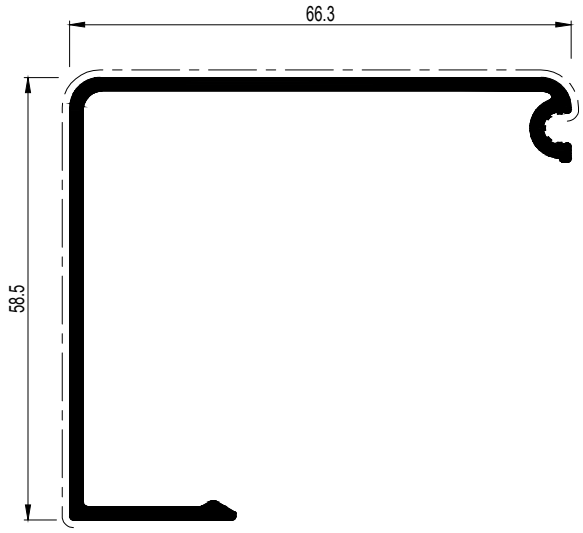
034.0162.XX	
068.7300.00	095.H800.00
068.7300.00	095.B500.00
060.7722.--	---

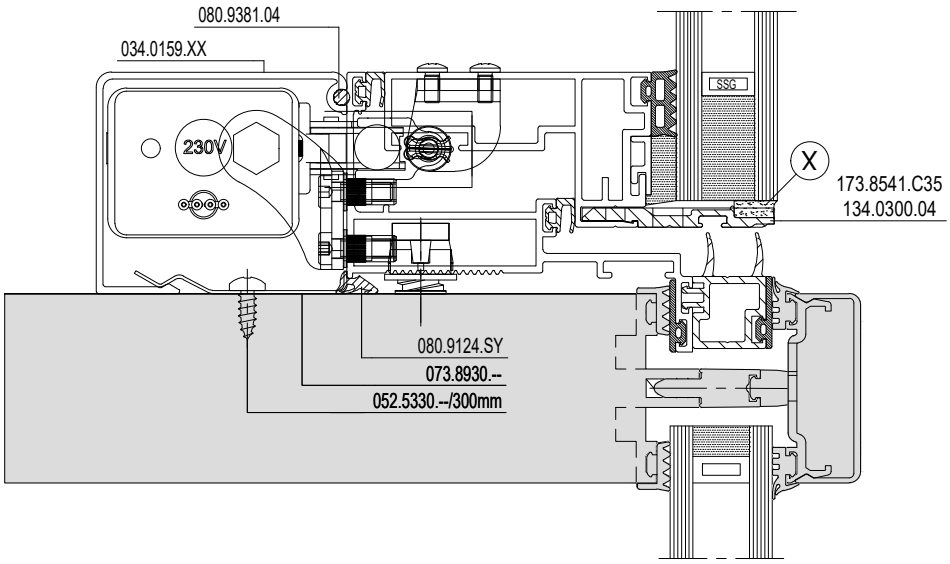
034.0163.XX	
068.7300.00	095.H800.00
068.7300.00	095.B500.00

AFWERKINGSPROFIEL GEMOTORIZEERD RAAM
PROFILE DE FINITION FENETRE MOTORISEE
FINISHING PROFILE MOTORIZED WINDOW
AUSFUEHRUNGSPROFIL MOTORISSIETERS fENSTER

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
034.0159.XX	31.30	12.7	7.00	14.852	3.308	44.90	13.691	3.520	38.90

034.0159.XX

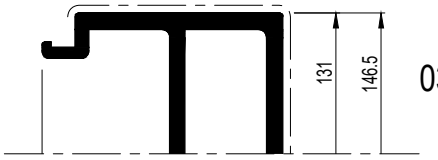




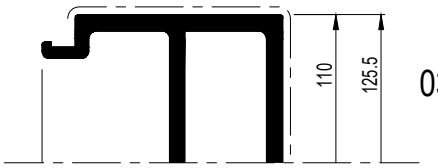
BINNENDR. ELEM. HV SG
ELEM.OUVERTURE VERS L'INT. HV SG
INWARD OPENING WINDOW HV SG
INNEN OEFF. ELEM. HV SG

BINNENDR. ELEM. HV SG
ELEM.OUVERTURE VERS L'INT. HV SG
INWARD OPENING WINDOW HV SG
INNEN OEFF. ELEM. HV SG

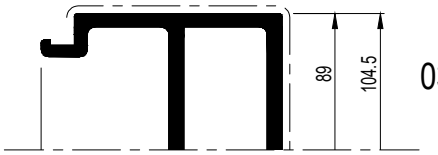
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
034.0220.XX	29.86	11.3	7.00	17.178	4.983	34.48	5.993	1.869	32.06
034.1219.XX	26.19	1.1	7.00	10.370	3.007	30.92	1.007	0.580	17.35
034.0218.04	-	-	7.00	-	-	-	-	-	-
034.0212.XX	28.77	11.1	7.00	28.235	6.352	44.45	2.440	1.081	22.57
034.0213.XX	32.97	13.2	7.00	56.089	10.212	54.92	2.961	1.286	23.03
034.0214.XX	37.15	15.3	7.00	101.382	15.087	67.20	3.516	1.509	23.31
034.0215.XX	41.39	17.4	7.00	158.487	20.435	77.56	3.913	1.670	23.44



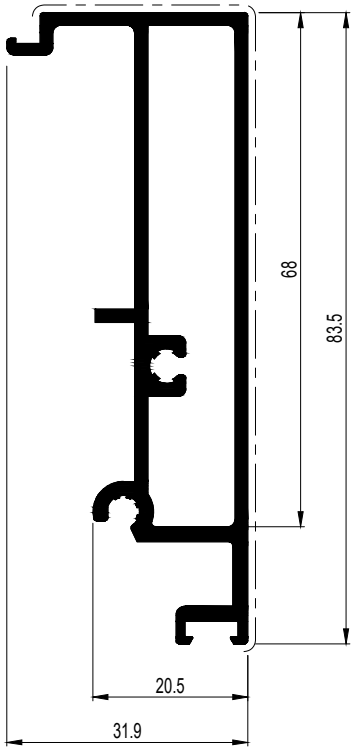
034.0215.XX



034.0214.XX

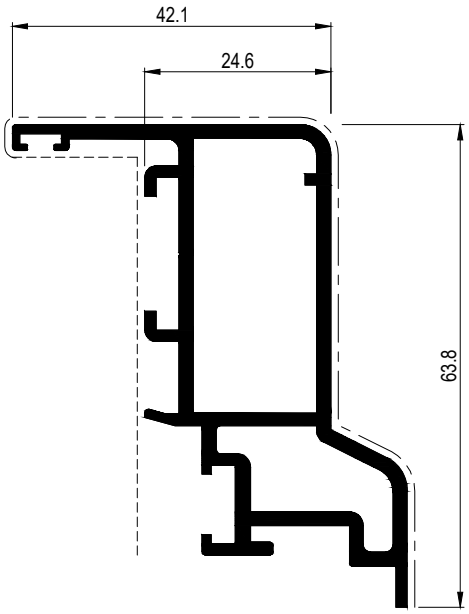


034.0213.XX

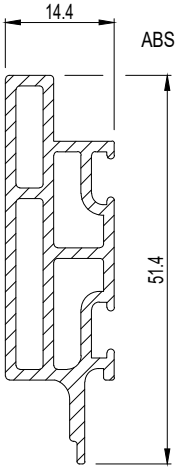


034.0212.XX

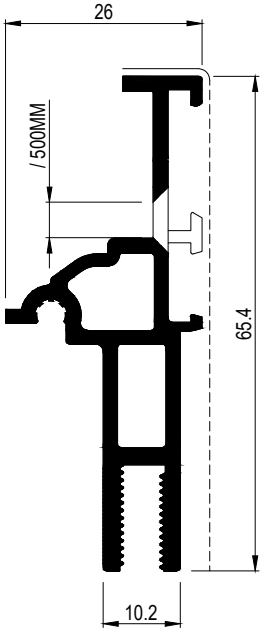
034.0220.XX

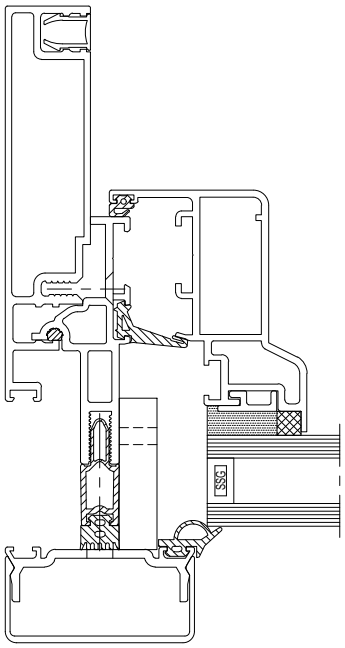


034.0218.04



034.1219.XX





034.0220.XX	
068.7598.00	095.H800.00
068.7598.00	095.B500.00

034.0212.XX	
052.5302.--	097.0621.00

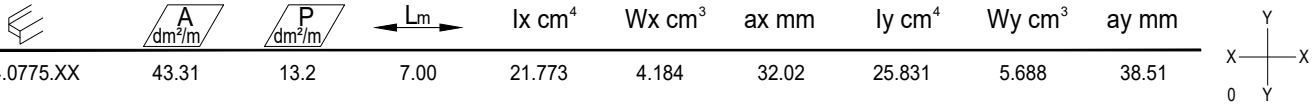
034.0213.XX	
052.5302.--	097.0621.00

034.0214.XX	
052.5302.-- (2x)	097.0621.00

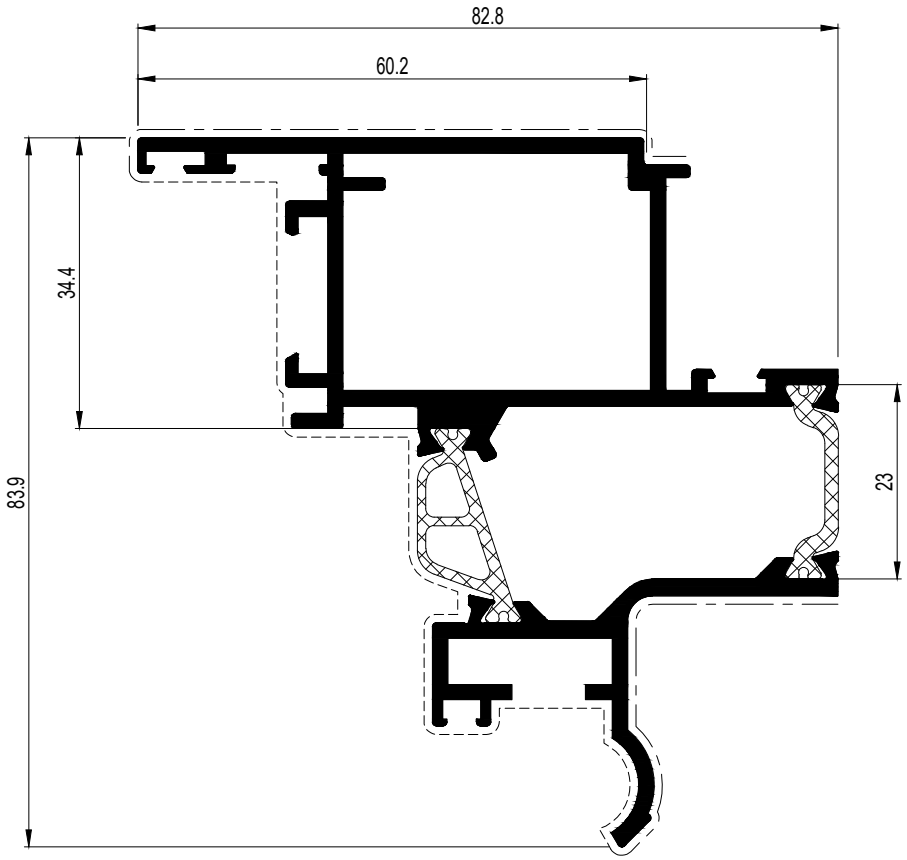
034.0215.XX	
052.5302.-- (2x)	097.0621.00

BUITENKADER DAKRAAM
DORMANT TABATIERE
OUTER FRAME ATTIC WINDOW
BLENDRAHMEN DACHFENSTER

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0775.XX	43.31	13.2	7.00	21.773	4.184	32.02	25.831	5.688	38.51



134.0775.XX



C

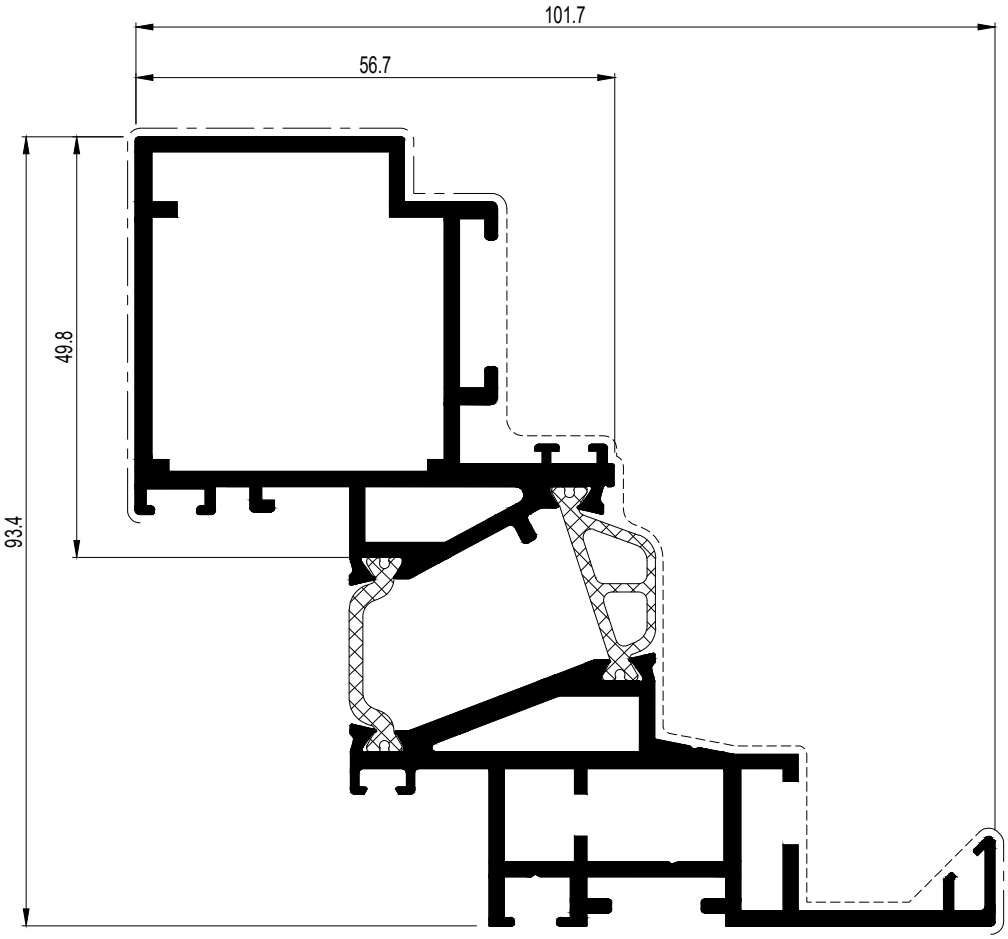
134.0775.XX	
068.7527.00 068.7526.00	097.0813.00

VLEUGEL DAKRAAM
OUVRANT TABATIERE
VENT ATTIC WINDOW
FLUEGEL DACHFENSTER

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0770.XX	53.18	10.7	7.00	46.448	8.664	53.61	55.416	9.262	59.83

Y
X X
0 Y

134.0770.XX



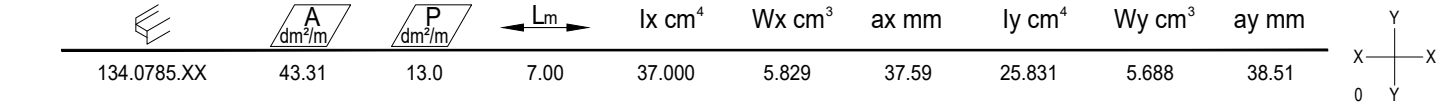
C

134.0770.XX	
168.7012.00 068.7529.00 168.5000.--	097.0812.00

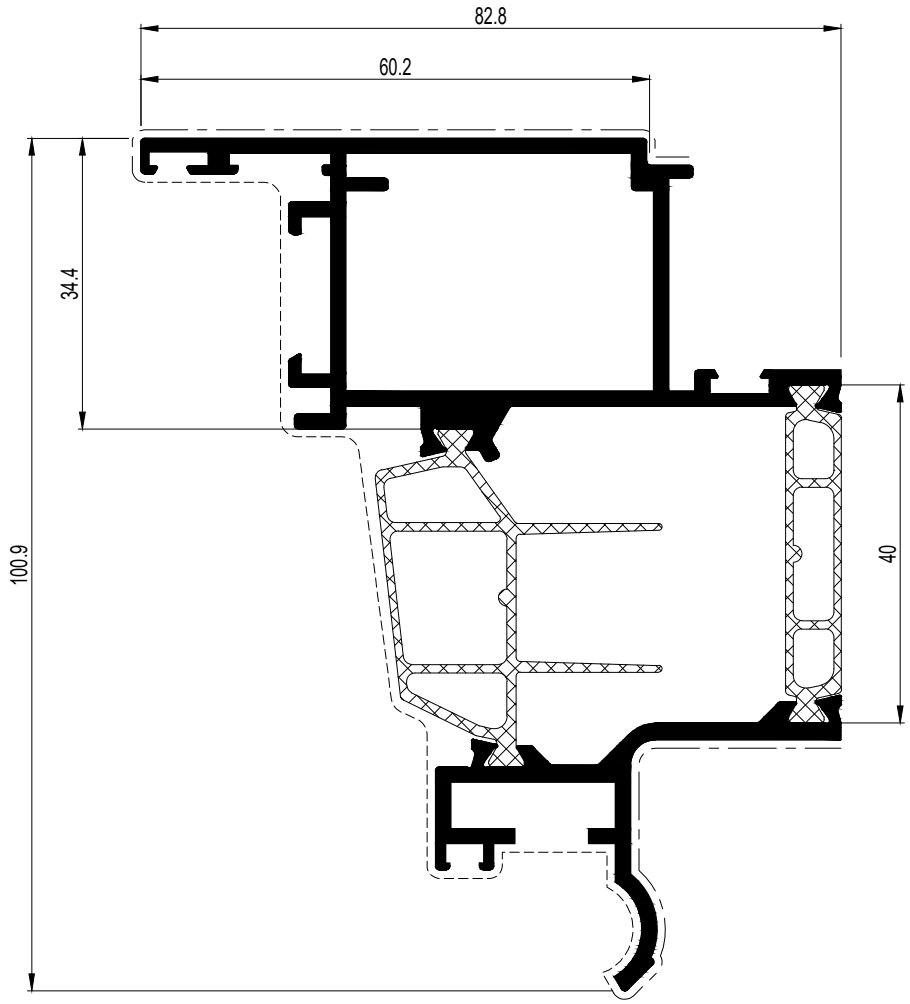
BUITENKADER DAKRAAM HI
DORMANT TABATIERE HI
OUTER FRAME ATTIC WINDOW HI
BLENDRAHMEN DACHFENSTER HI

Reynaers Aluminium

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0785.XX	43.31	13.0	7.00	37.000	5.829	37.59	25.831	5.688	38.51



134.0785.XX



C

134.0785.XX

068.7527.00
068.7526.00

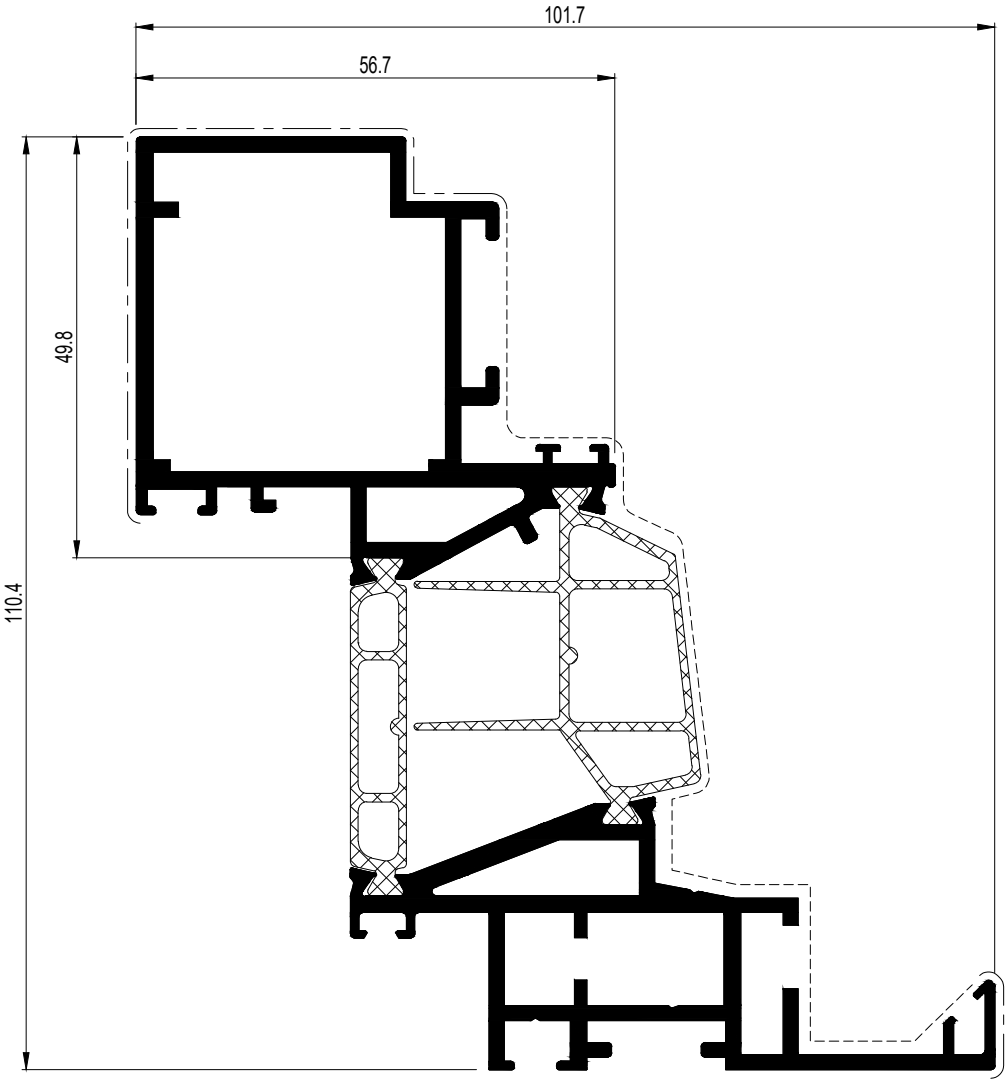
097.0813.00

VLEUGEL DAKRAAM HI
OUVRANT TABATIERE HI
VENT ATTIC WINDOW HI
FLUEGEL DACHFENSTER HI

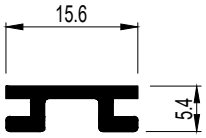
Reynaers Aluminium

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0780.XX	53.44	10.7	7.00	75.569	12.141	62.24	56.344	9.460	59.56
134.0116.17	5.97	6.0	6.00	0.015	0.046	2.32	0.111	0.141	7.90
134.1242.XX	6.48	1.4	6.00	0.073	0.078	3.12	0.245	0.187	6.92

134.0780.XX

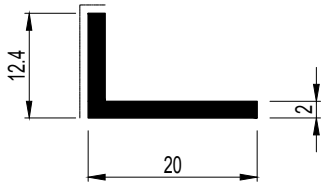


134.0116.17SG



FORM 158

134.1242.XX



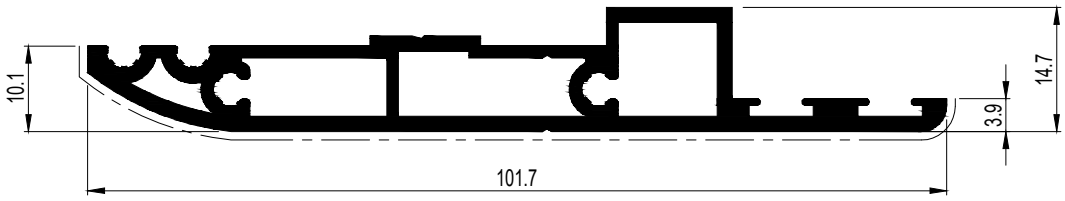
BESTELLEN 034.1116.17SG, ZIE VERWERKINGSVOORSCHRIFTEN
COMMANDER 034.116.17SG, VOIR RECOMMANDATIONS DE MISE EN OEVRE
ORDERING 034.1116.17SG, SEE PROCESSING DATA
BESTELLEN 034.1116.17SG, SIEHE VERARBEITUNGSVORSCHRIFTEN

134.0780.XX	
168.7012.00 068.7529.00 168.5000.--	097.0811.00

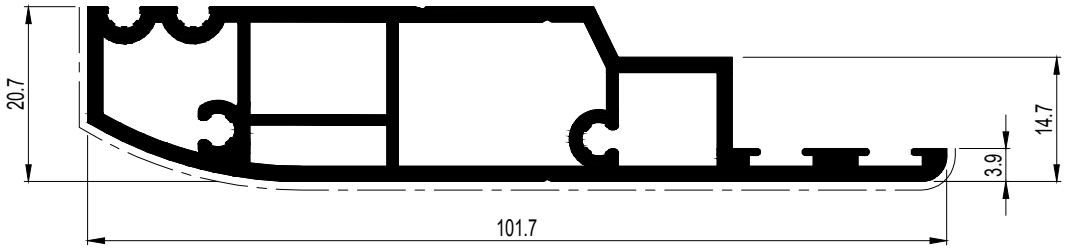
GLASLATTEN DAKRAAM
PARCLOSES TABATIERE
GLAZING BEADS ATTIC WINDOW
GLASLEISTEN DACHFENSTER

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
134.0572.XX	26.39	11.9	7.00	2.843	2.368	12.00	40.142	6.846	44.16
134.0570.XX	25.69	10.9	7.00	0.774	0.810	9.56	32.891	6.062	48.56

134.0570.XX



134.0572.XX



C

134.0572.XX		134.0570.XX	
068.7529.00 068.7524.00	---	068.7528.00 068.7524.00	---

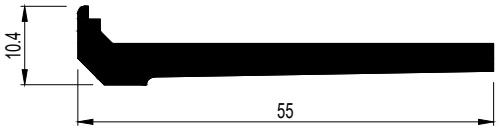
GLASSTEUNEN DAKRAAM
SUPPORTS CALE DE VITRAGE TABATIERE
GLASS SUPPORTS ATTIC WINDOW
KLOTZBRUECKEN DACHFENSTER

Reynaers Aluminium

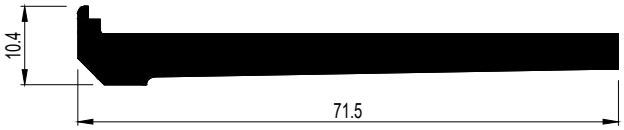
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
000.0067.00	13.11	-	7.00	-	-	-	-	-	-
000.0068.00	16.05	-	7.00	-	-	-	-	-	-

X
Y Y
X 0

000.0067.00



000.0068.00



C

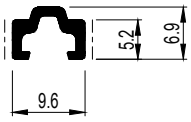
AFSTANDSHOUDER
REDUCTEUR DE FEUILLURE
FILLISTER REDUCER
FALZVERKLEINERUNGSPROFIL

AFSTANDSHOUDER
REDUCTEUR DE FEUILLURE
FILLISTER REDUCER
FALZVERKLEINERUNGSPROFIL

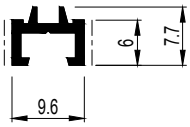
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
034.0413.04	-	-	7.00	-	-	-	-	-	-
034.0420.XX	13.85	6.5	7.00	-	-	-	-	-	-
034.0421.04	-	-	7.00	-	-	-	-	-	-
034.0514.XX	6.06	0.2	7.00	-	-	-	-	-	-
034.0517.XX	4.36	0.8	7.00	-	-	-	-	-	-
034.0610.04	-	-	7.00						
034.0611.04	-	-	7.00	-	-	-	-	-	-
034.0615.XX	10.45	3.3	7.00	-	-	-	-	-	-
034.0616.XX	12.23	4.9	7.00	-	-	-	-	-	-
034.0617.XX	5.28	1.2	7.00	-	-	-	-	-	-
034.0618.XX	6.88	2.0	7.00	-	-	-	-	-	-
034.0619.XX	11.25	3.7	7.00	-	-	-	-	-	-

Y
X X
0 Y

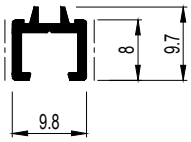
034.0517.XX



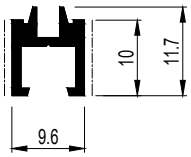
034.0617.XX



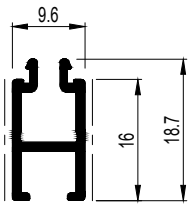
034.0514.XX



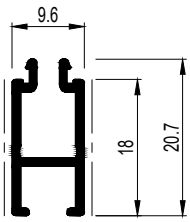
034.0618.XX



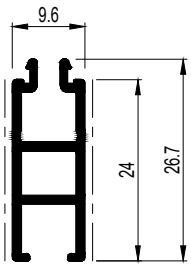
034.0615.XX



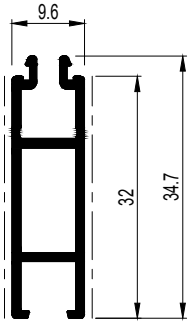
034.0619.XX



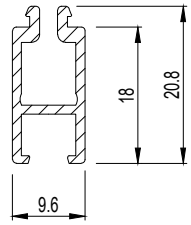
034.0616.XX



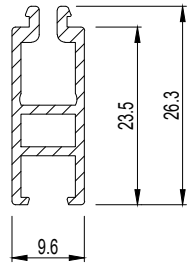
034.0420.XX



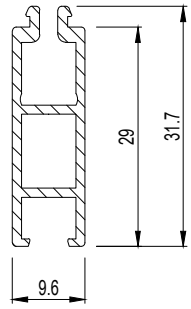
034.0610.04



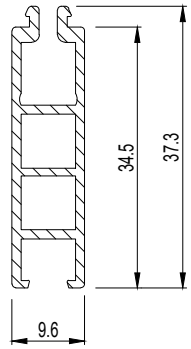
034.0611.04



034.0413.04



034.0421.04

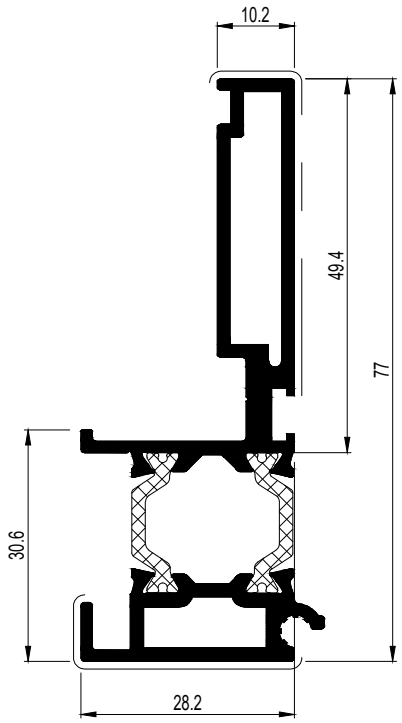


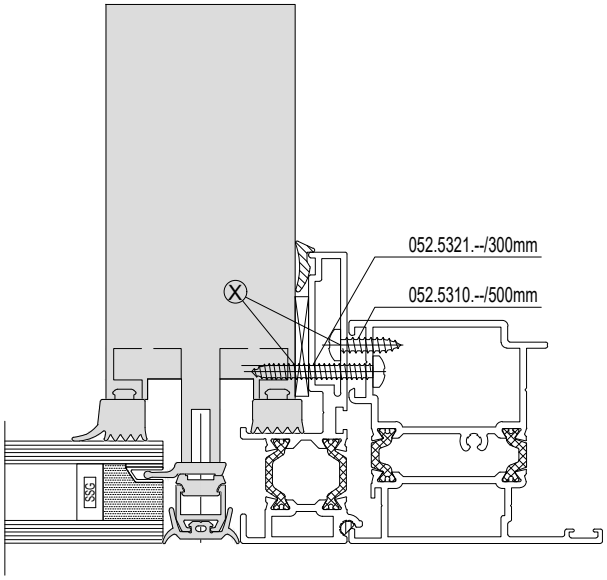
C

HULPPROFIEL SC
PROFILE DE RACCORDEMENT SC
ADDITIONAL PROFILE SC
ZUSATZPROFIL SC

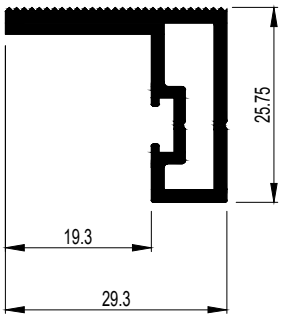
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
034.0112.XX	24.87	8.9	7.00	17.996	3.974	31.72	2.524	1.301	19.39
034.1052.XX	15.93	3.8	7.00	0.342	0.258	6.60	1.052	0.637	14.79
034.1051.XX	14.24	0.9	7.00	2.214	0.899	24.62	0.054	0.073	7.41
034.1050.00	13.13	-	7.00	1.245	0.647	10.13	1.346	0.811	16.61

034.0112.XX

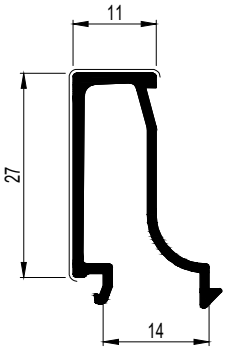


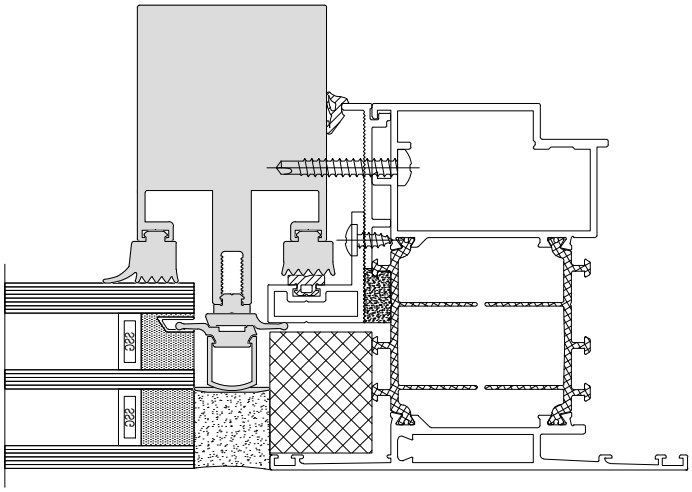


034.1050.00

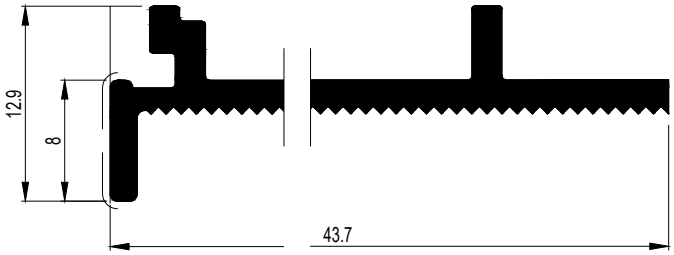


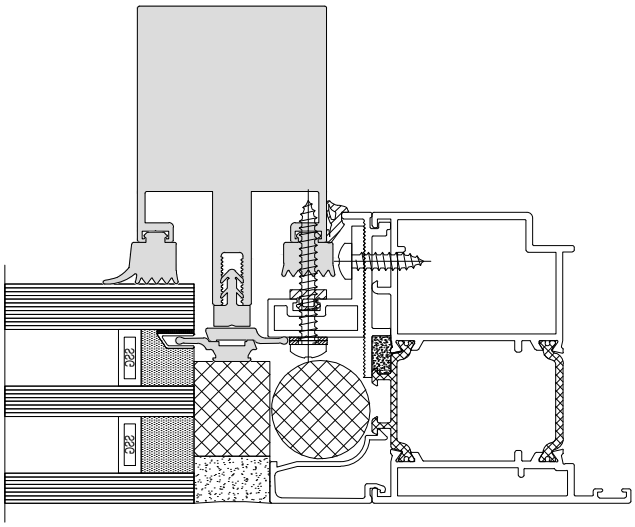
034.1052.XX





034.1051.XX

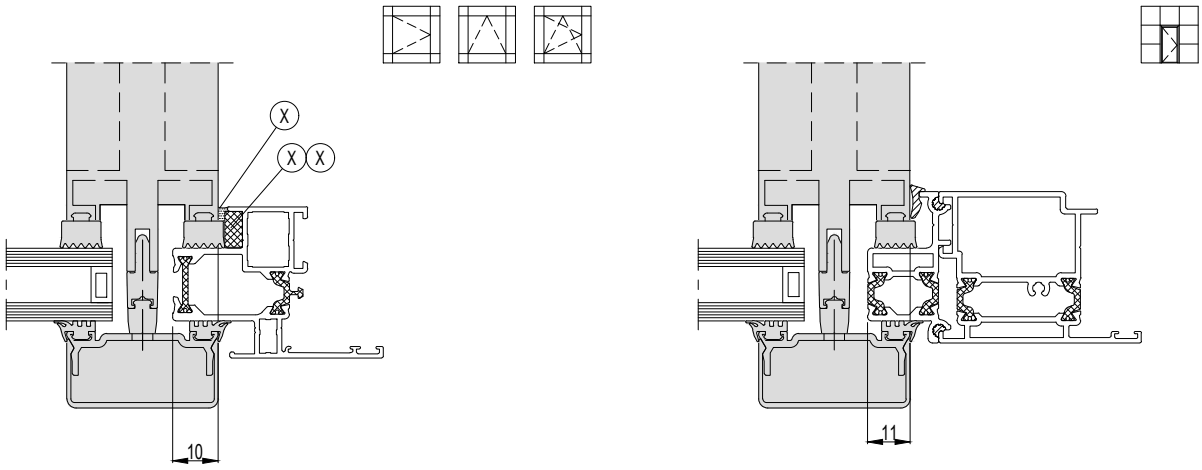




034.0112.XX	
068.7685.00	---

034.1050.00	
068.8260.00	---

NIET MOGELIJK MET CW 65-EF , CW 86-EF EN EF 7
NON POSSIBLE AVEC CW 65-EF , CW 86-EF ET EF 7
NOT POSSIBLE WITH CW 65-EF , CW 86-EF AND EF 7
NICHT MOGLICH MIT CW 65-EF ; CW 86-EF UND EF 7

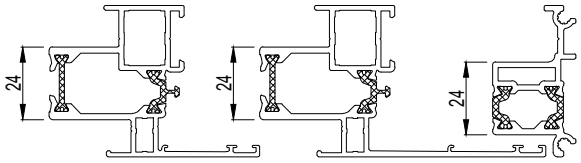


X X POLYETHYLEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

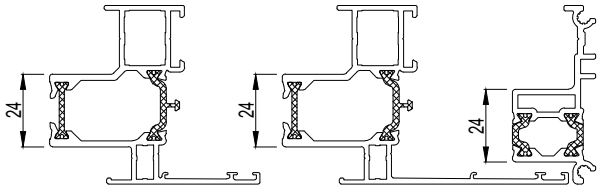
CS 59 / CS 59-HV

001.0826.XX 001.0538.XX 001.0836.XX



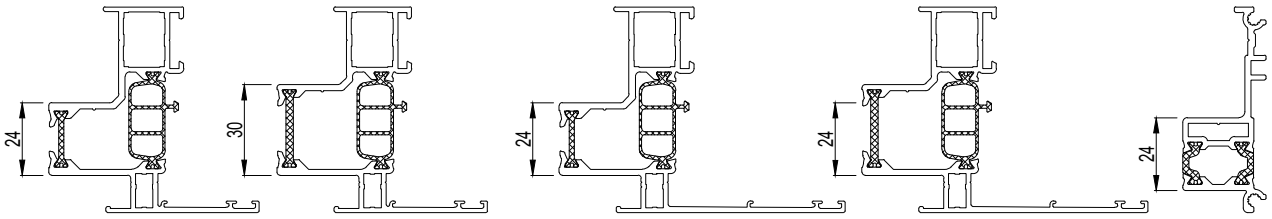
CS 68 / CS 68-HV

005.0826.XX 005.0538.XX 005.0836.XX



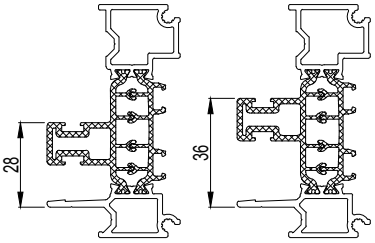
CS 77 / CS 77-AP/ CS 77-HV

008.3826.XX 008.3827.XX 008.3538.XX 008.3539.XX 008.0836.XX



MASTERLINE 8

108.2835.XX 108.2836.XX

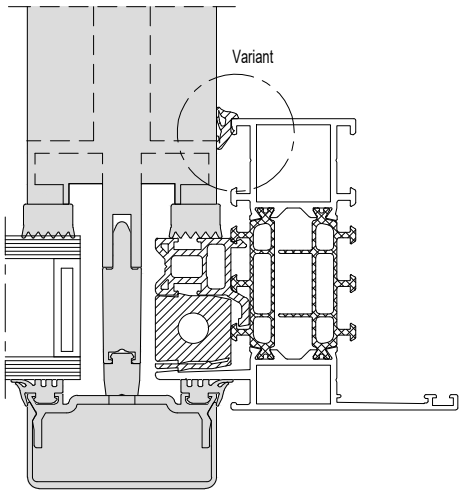


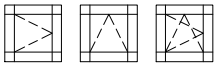
C

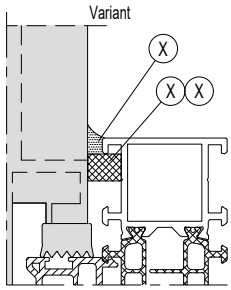
KOPPELING MET ANDERE SYSTEMEN
JONCTION AVEC D'AUTRES SYSTEMES
CONNECTION WITH OTHER SYSTEMS
VERBINDUNGEN MIT ANDEREN SYSTEMEN

Reynaers Aluminium

NIET MOGELIJK MET CW 65-EF , CW 86-EF EN EF 7
NON POSSIBLE AVEC CW 65-EF , CW 86-EF ET EF 7
NOT POSSIBLE WITH CW 65-EF , CW 86-EF AND EF 7
NICHT MOGLICH MIT CW 65-EF ; CW 86-EF UND EF 7







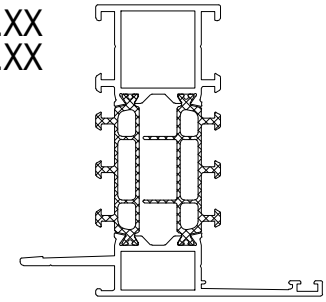
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

X X POLYETHYLEEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

C

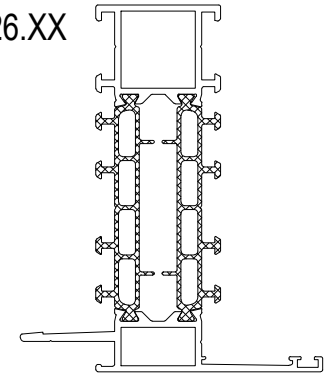
MASTERLINE 8

408.0826.XX
508.0826.XX

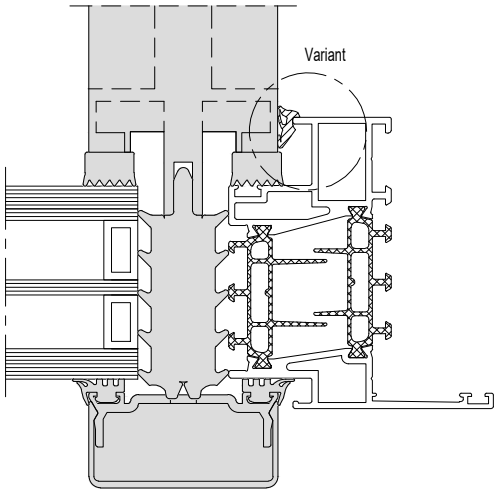


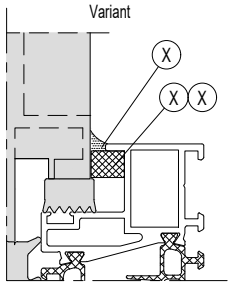
MASTERLINE 10

501.0826.XX



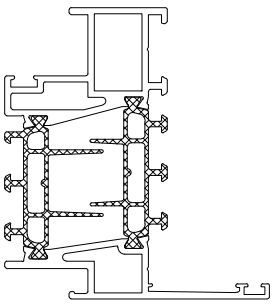
NIET MOGELIJK MET CW 65-EF , CW 86-EF EN EF 7
NON POSSIBLE AVEC CW 65-EF , CW 86-EF ET EF 7
NOT POSSIBLE WITH CW 65-EF , CW 86-EF AND EF 7
NICHT MOGLICH MIT CW 65-EF ; CW 86-EF UND EF 7





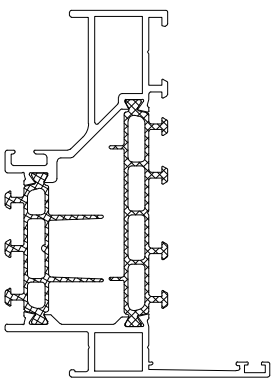
MASTERLINE 8

508.0828.XX



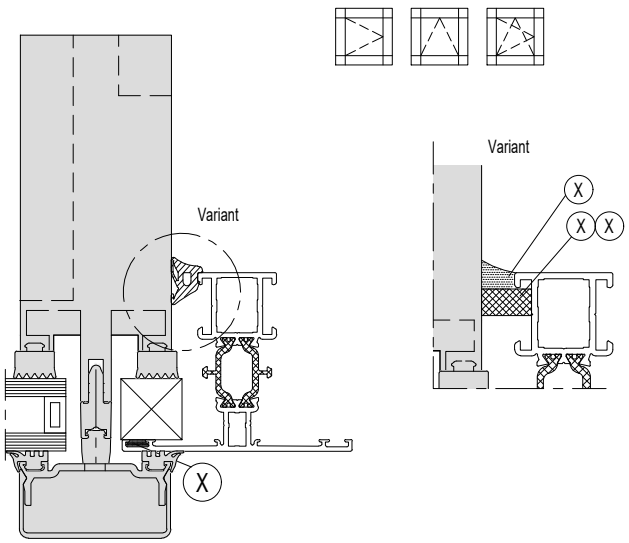
MASTERLINE 10

501.0828.XX



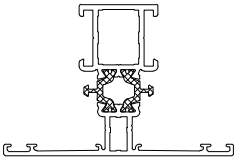
(X X) POLYETHYLEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG



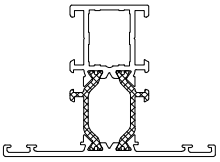
CS 59 / CS 59-HV

001.0113.XX



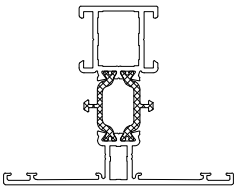
ECO

003.0013.XX

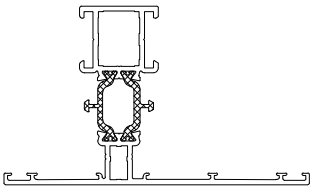


CS 68 / CS 68-HV

005.0113.XX

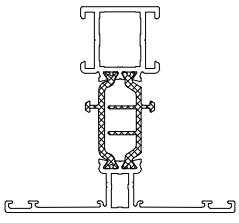


005.1513.XX

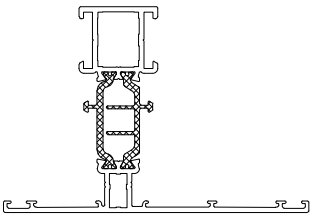


CS 77 / CS 77-HV

008.3113.XX



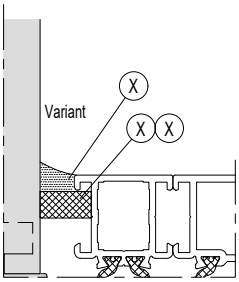
008.4513.XX

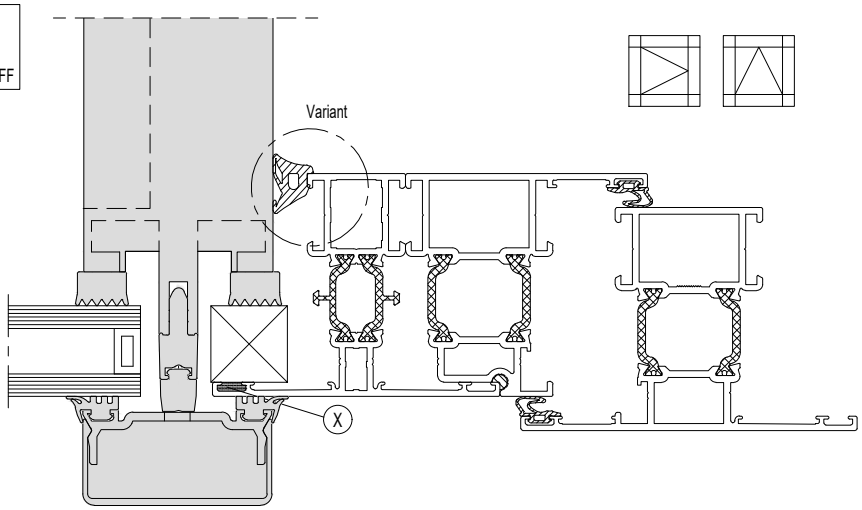


C

X X POLYETHYLEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

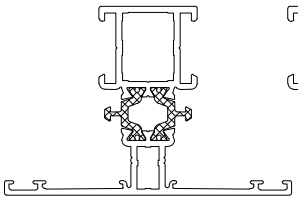
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG



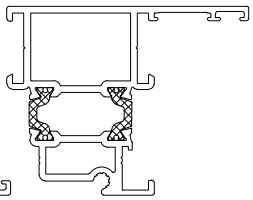


CS 59

001.0113.XX

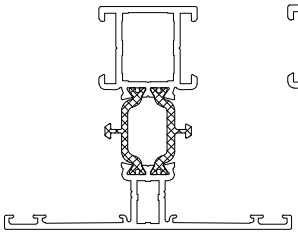


001.1401.XX

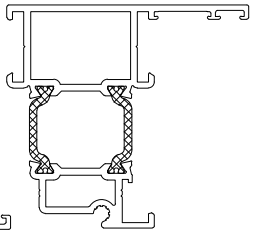


CS 68

005.0113.XX

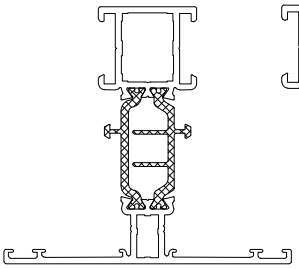


005.1401.XX

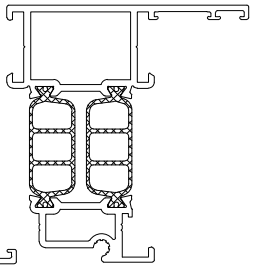


CS 77

008.3113.XX

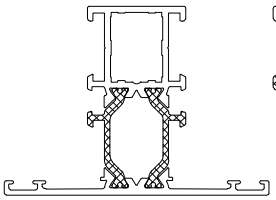


008.3401.XX

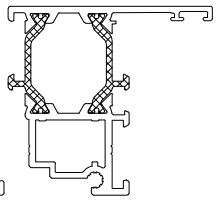


ES 50

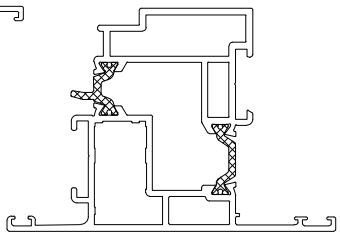
003.0013.XX



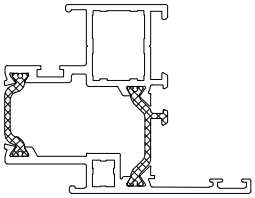
003.0001.XX



003.0051.XX



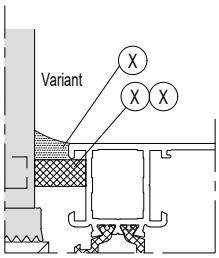
103.0836.XX

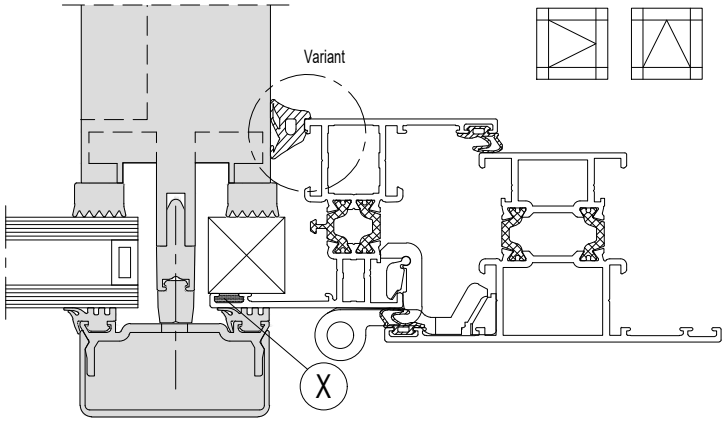


C

X X POLYETHYLEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

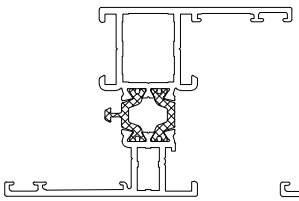
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG



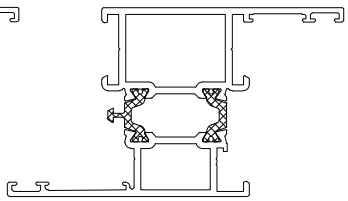


CS 59

001.1442.XX

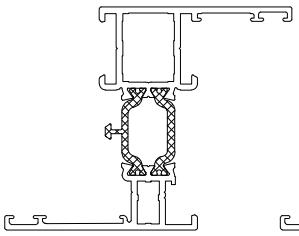


001.1443.XX

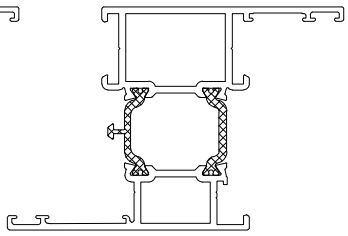


CS 68

005.1442.XX

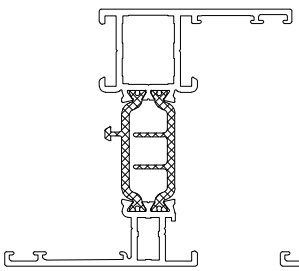


005.1443.XX

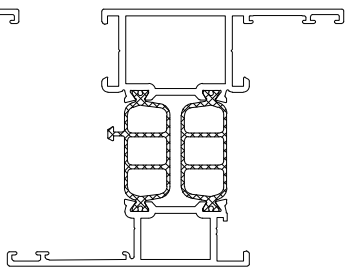


CS 77

008.3442.XX

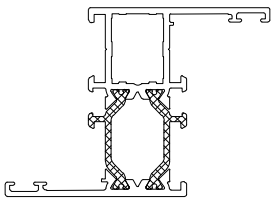


008.3443.XX

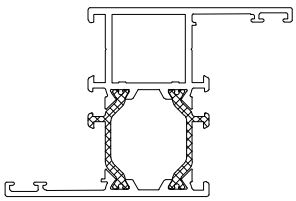


ECO

003.0442.XX



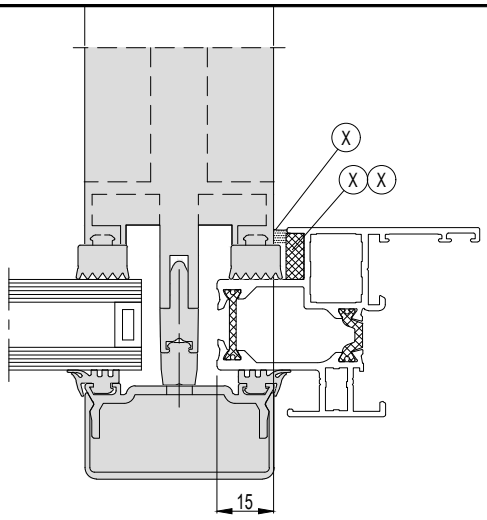
003.0441.XX

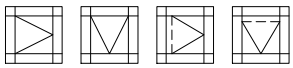


C

KOPPELING MET ANDERE SYSTEMEN
JONCTION AVEC D'AUTRES SYSTEMES
CONNECTION WITH OTHER SYSTEMS
VERBINDUNGEN MIT ANDEREN SYSTEMEN

NIET MOGELIJK MET CW 65-EF , CW 86-EF EN EF 7
NON POSSIBLE AVEC CW 65-EF , CW 86-EF ET EF 7
NOT POSSIBLE WITH CW 65-EF , CW 86-EF AND EF 7
NICHT MOGLICH MIT CW 65-EF ; CW 86-EF UND EF 7





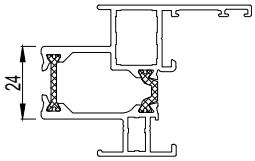
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

X X POLYETHYLEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

C

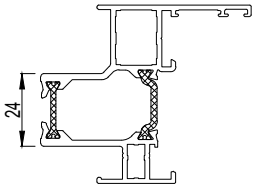
CS 59

001.1426.XX



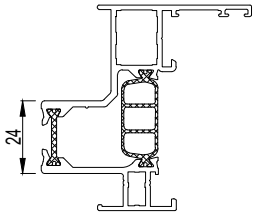
CS 68

005.1426.XX



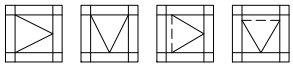
CS 77

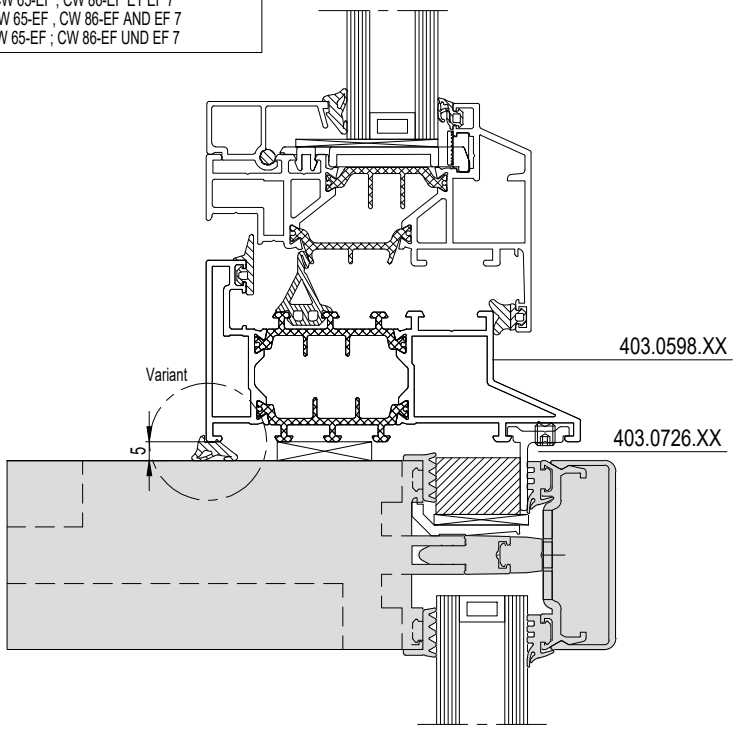
008.3426.XX

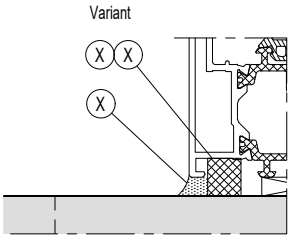


SL 38

NIET MOGELIJK MET CW 65-EF , CW 86-EF EN EF 7
NON POSSIBLE AVEC CW 65-EF , CW 86-EF ET EF 7
NOT POSSIBLE WITH CW 65-EF , CW 86-EF AND EF 7
NICHT MOGLICH MIT CW 65-EF ; CW 86-EF UND EF 7

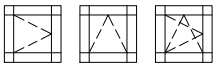


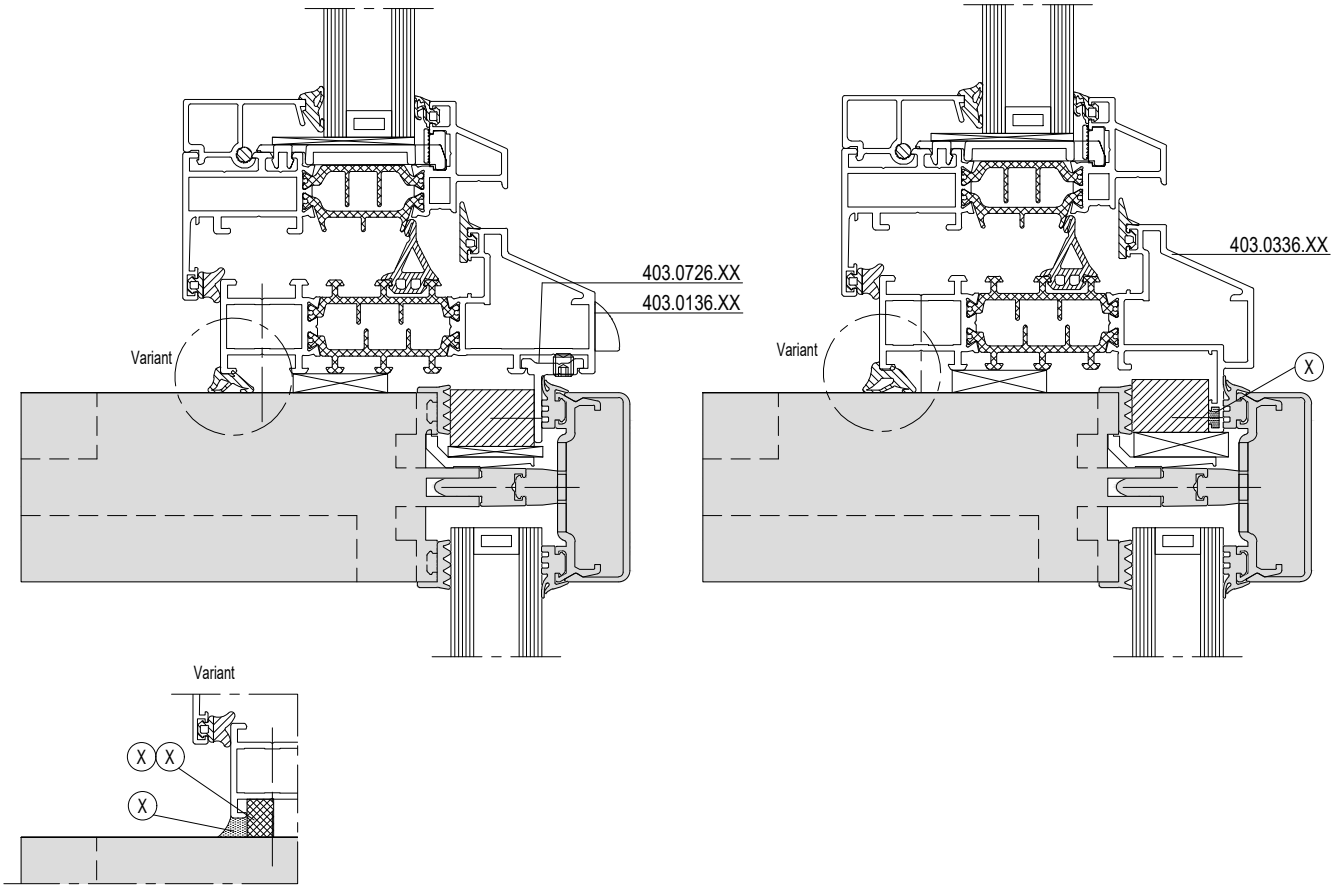




SL 38

NIET MOGELIJK MET CW 65-EF , CW 86-EF EN EF 7
NON POSSIBLE AVEC CW 65-EF , CW 86-EF ET EF 7
NOT POSSIBLE WITH CW 65-EF , CW 86-EF AND EF 7
NICHT MOGLICH MIT CW 65-EF ; CW 86-EF UND EF 7



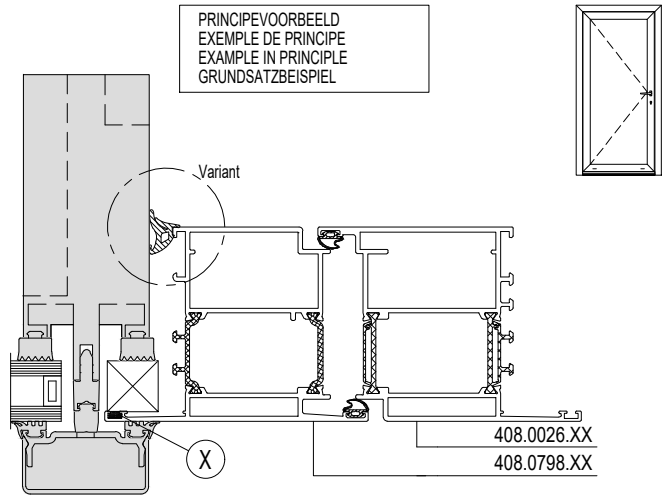


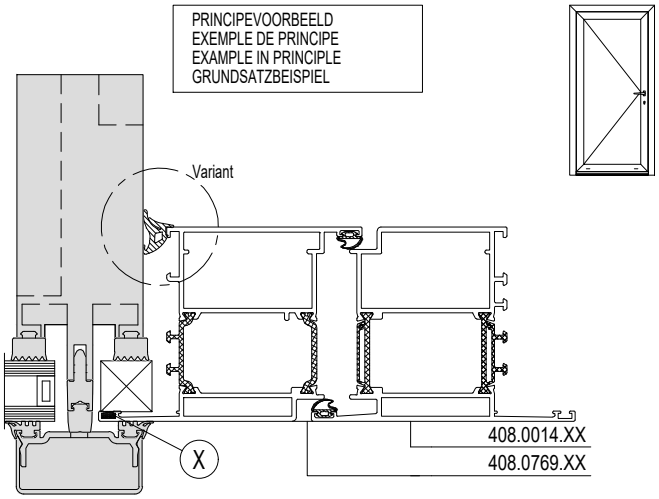
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

X X POLYETHYLEEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

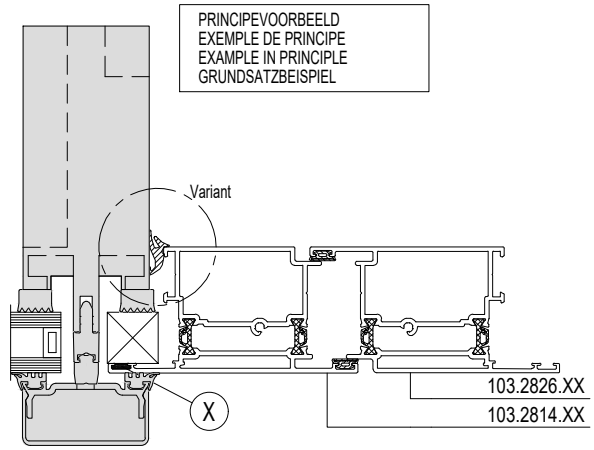
C

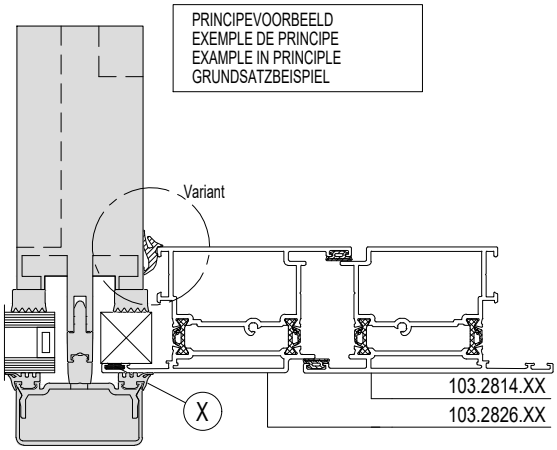
MASTERLINE 8

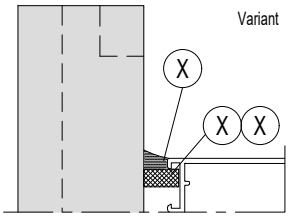




ECO



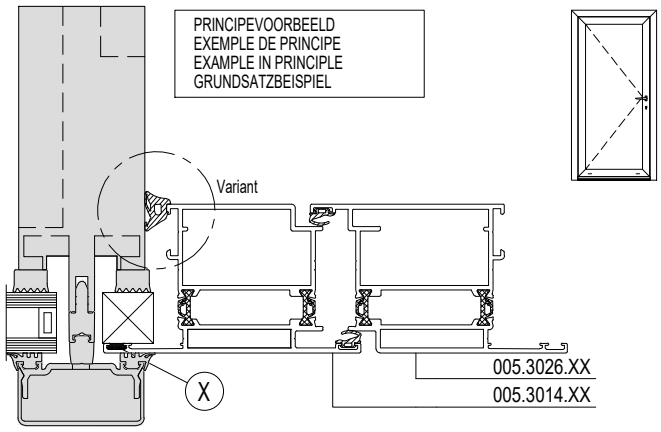


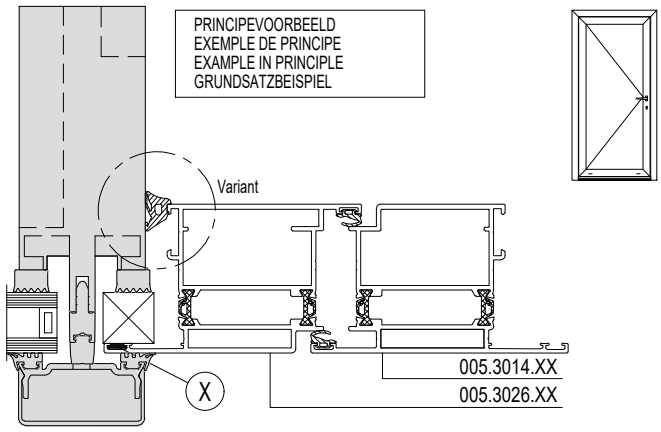


X X POLYETHYLEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

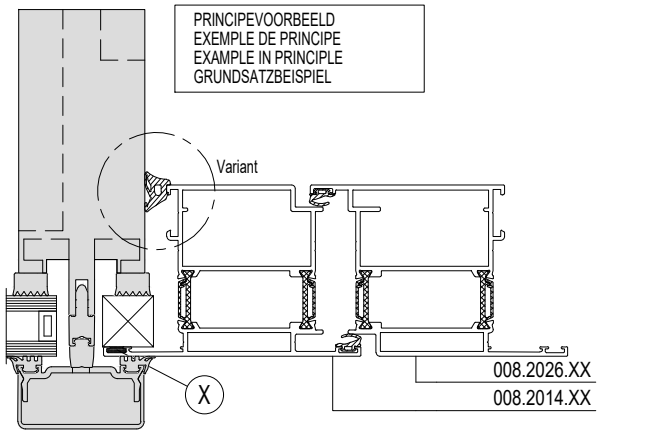
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

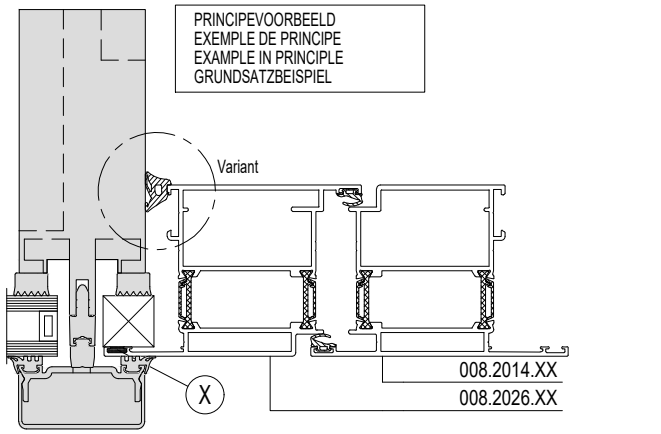
CS 68

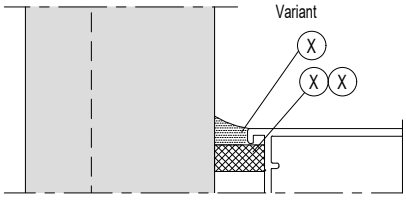




CS 77







(X X) POLYETHYLEENSCHUIM MET GESLOTEN CELLEN
POLYETHYLENE-MOUSSE A CELLUES
POLYETHYLENE CLOSED-CELL FOAM
POLYETHYLEN GESCHLOSSENZELLINGEM SCHAUMSTOFF

(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

C

KOPPELING MET ANDERE SYSTEMEN
JONCTION AVEC D'AUTRES SYSTEMES
CONNECTION WITH OTHER SYSTEMS
VERBINDUNGEN MIT ANDEREN SYSTEMEN

D

Reynaers Aluminium

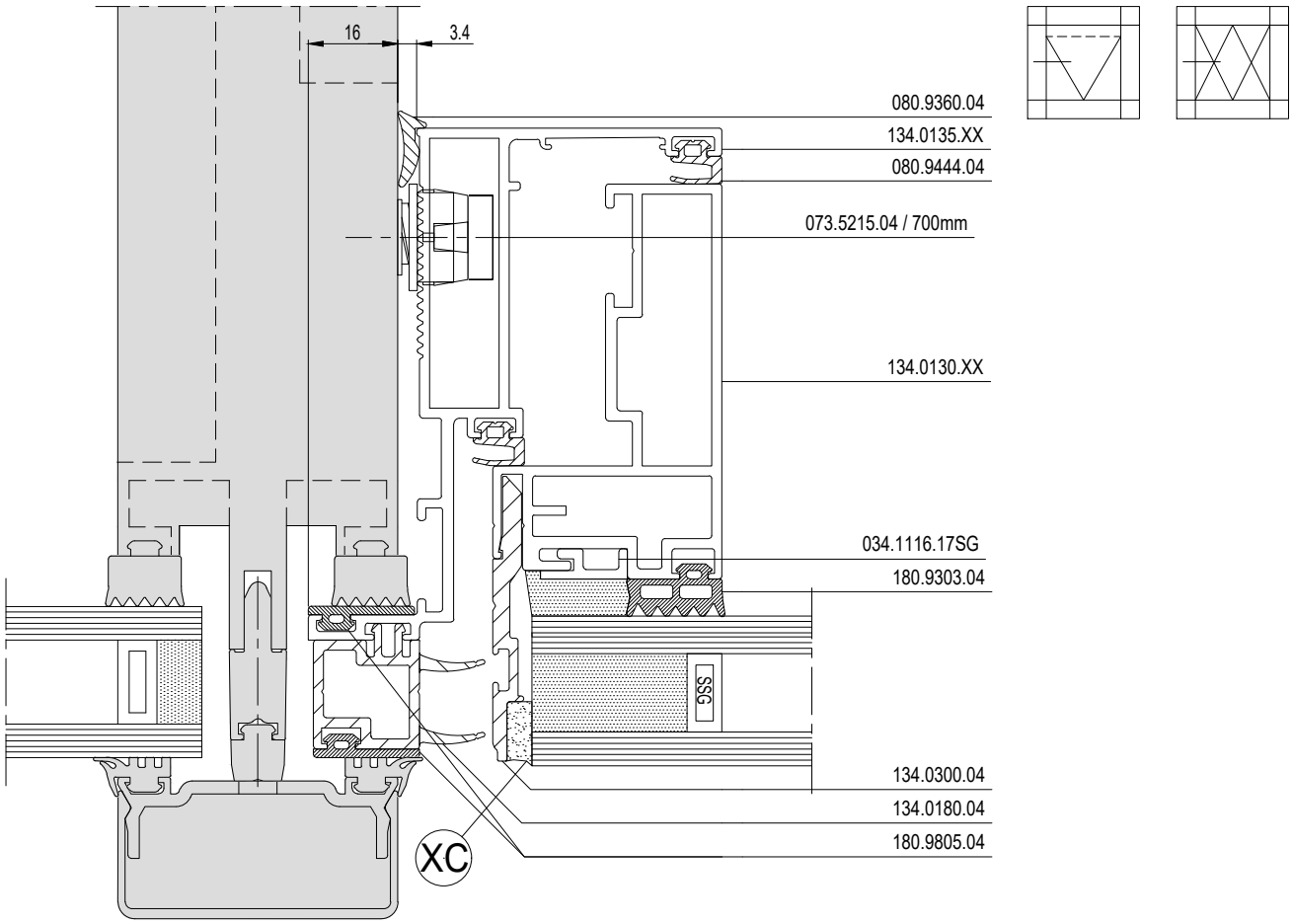
Doorsnedetekeningen
Sections des noeuds
Section drawings
Profilkombinationen

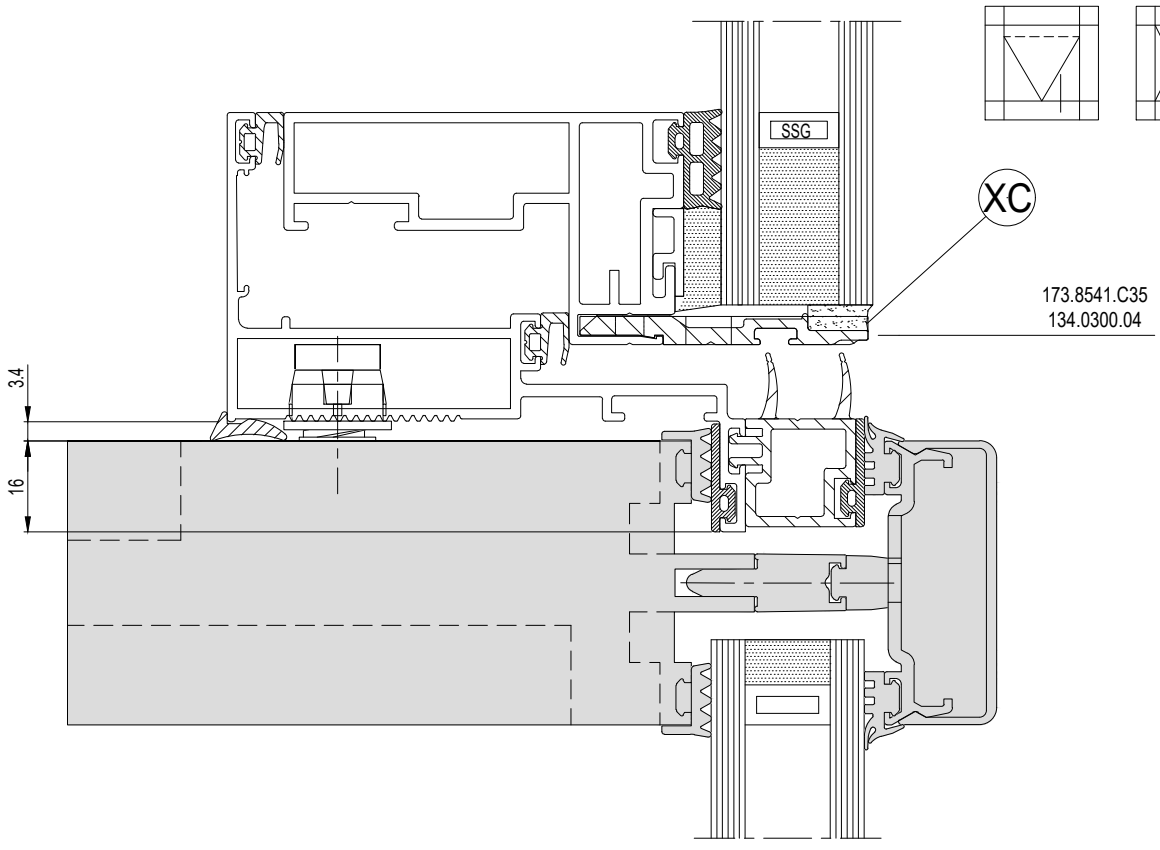
	CW 50								CW 60								EF 7	
	MT	TT	SL	HI	SC	HL	VL	SG	RA	MT	HI	SC	HL	VL	SG	RA	GB	SG
SG 134.0135.XX & 134.0130.XX	Y	Y	Y	Y	Y	Y	Y	X	X	Y	Y	Y	Y	Y	X	X	Y	Y
GB 134.0125.XX & 134.213X.XX	Y	Y	Y	Y	X	X	X	X	X	Y	Y	X	X	X	X	X	Y	X
SGS 134.0145.XX & 134.0140.XX	Y	Y	Y	Y	Y	X	X	X	X	Y	Y	Y	X	X	X	X	X	Y
034.0162.XX & 034.0163.XX	Y	X	X	X	X	X	X	Y	X	Y	X	X	X	X	Y	X	X	X
034.0140.XX & 034.0141.XX	Y	Y	Y	X	Y	Y	X	X	X	Y	X	Y	Y	X	X	X	X	X
034.0220.XX	Y	Y	Y	X	Y	X	X	X	X	Y	X	Y	X	X	X	X	X	X
134.0770.XX & 134.0775.XX	X	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	Y	X	X
134.0780.XX & 134.0785.XX	X	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	Y	X	X

MT = MULLION-TRANSOM
TT = TRANSOM-TRANSOM
SL = SLIM LINE
HI = HIGH INSULATION
SC = STRUCTURAL CLAMPING
HL = HORIZONTAL LINING
VL = VERTICAL LINING
SG = STRUCTURAL SEALED GLAZING
RA = ROOF APPLICATION
GB = GLAZING BEAD
SGS = STRUCTURAL SEALED GLAZING, STEPPED

D

BUITENDRAAIEND ELEM - SG
ELEM.OUVERTURE VERS L'EXT. - SG
OUTWARD OPENING WINDOW - SG
AUSSEN OEFF. ELEM. - SG

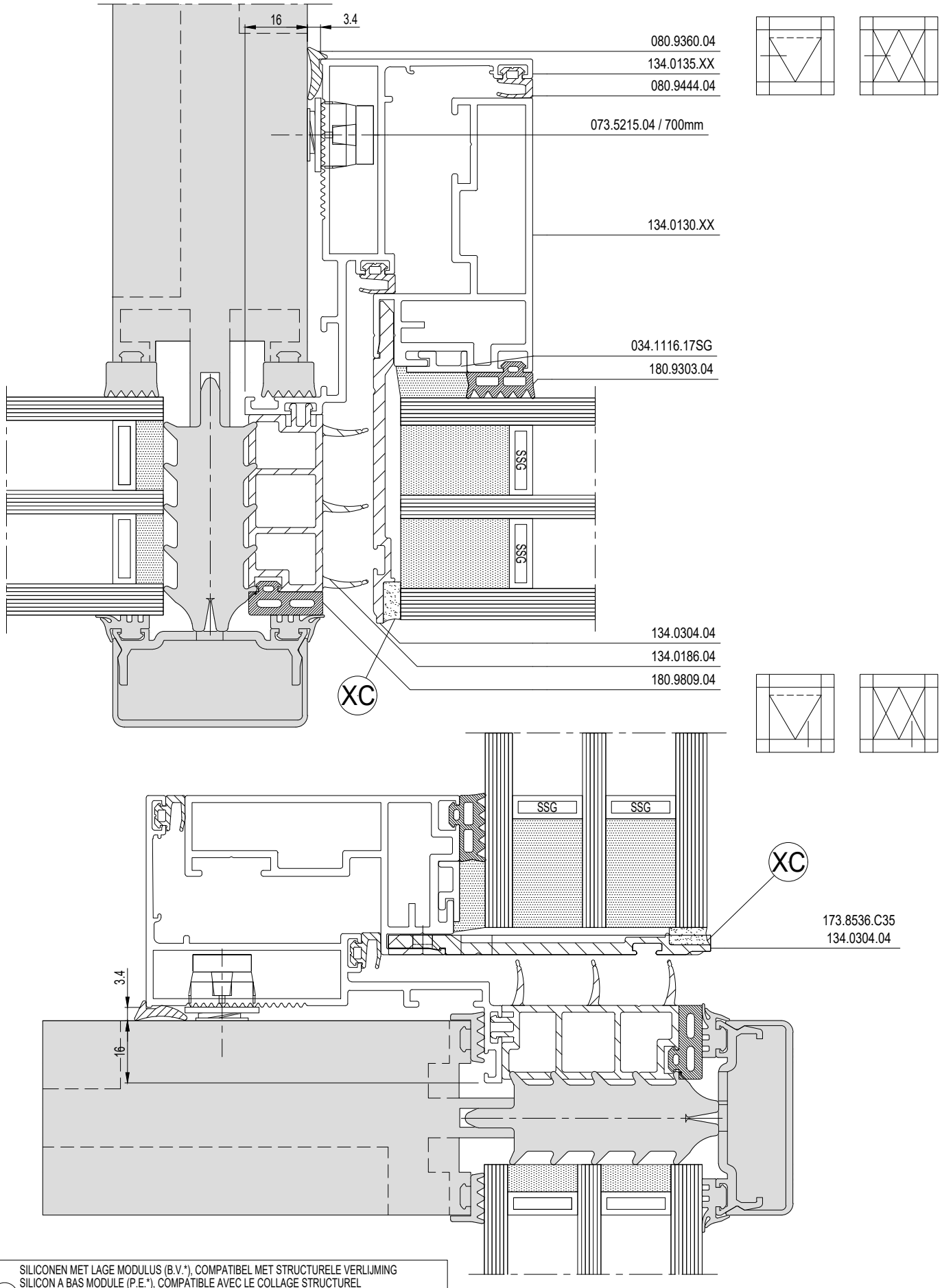




XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG
002

BUITENDRAAIEND ELEM - SG HI
ELEM.OUVERTURE VERS L'EXT. - SG HI
OUTWARD OPENING WINDOW - SG HI
AUSSEN OEFF. ELEM. - SG HI

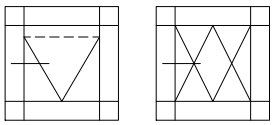


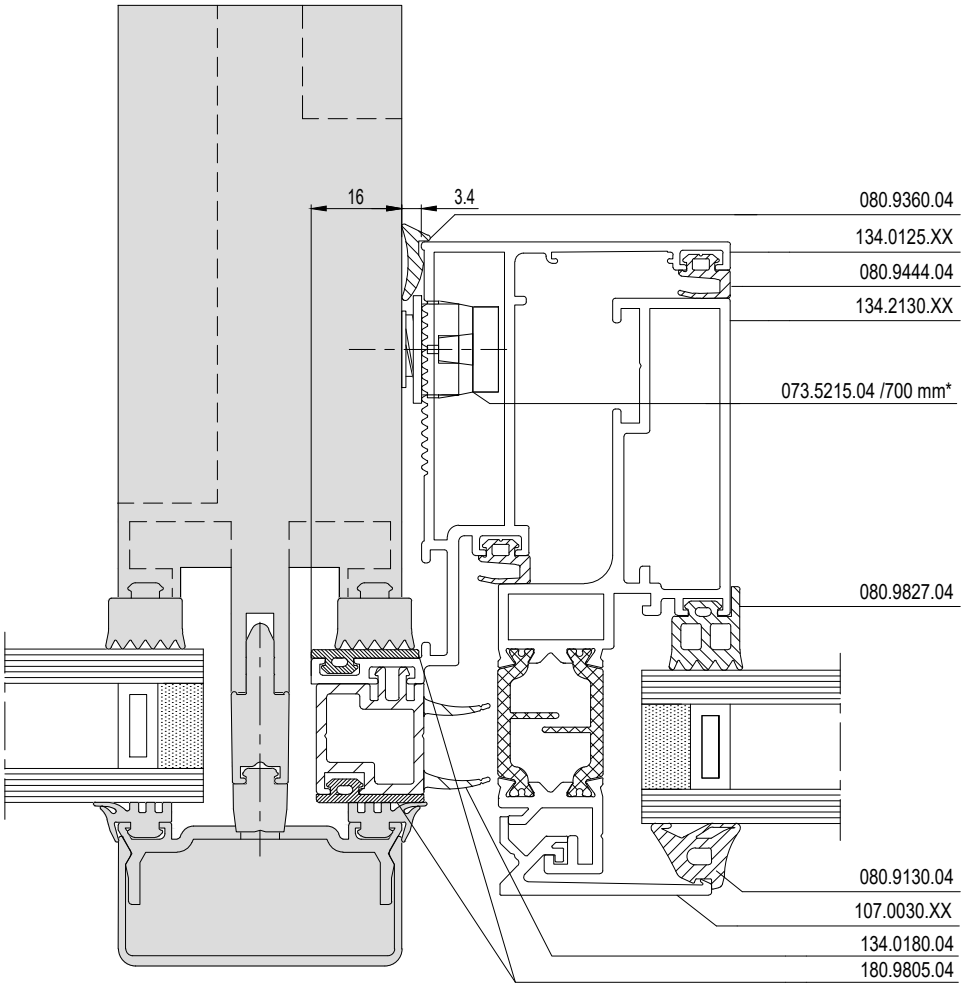
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

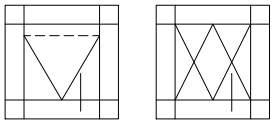
ETAG 002

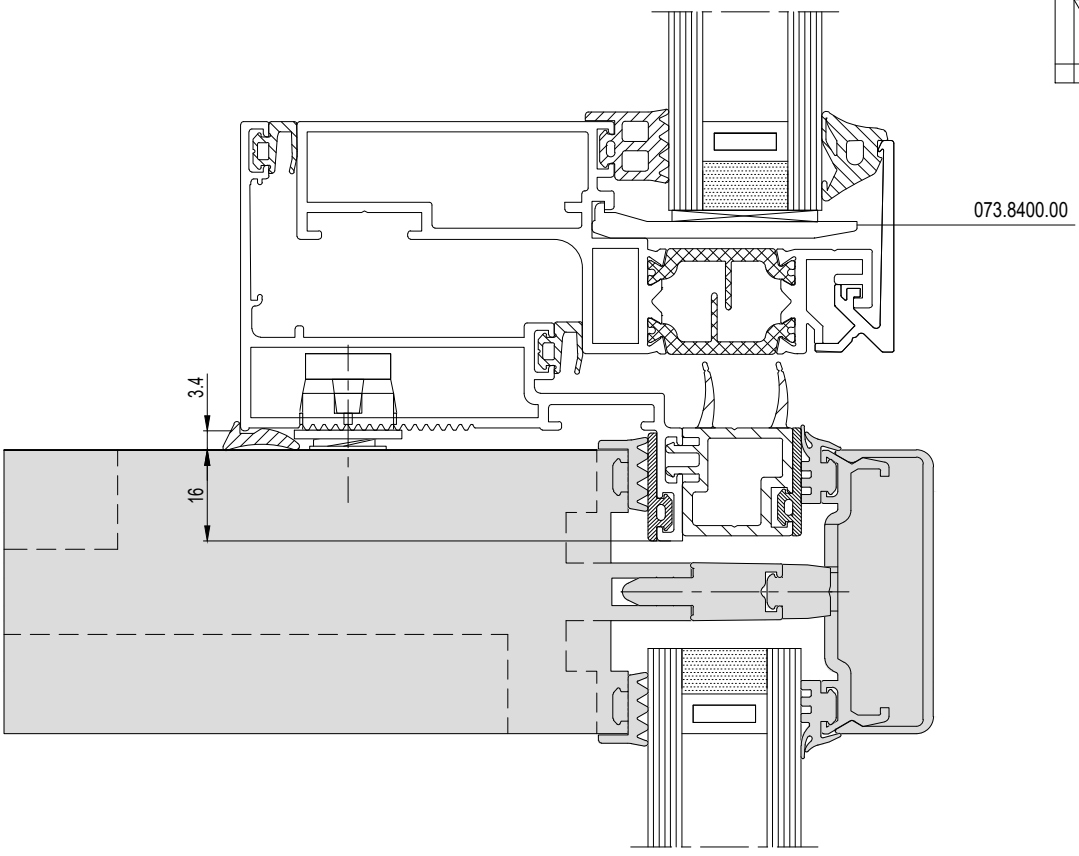
D

BUITENDRAAIEND ELEM - GB
ELEM.OUVERTURE VERS L'EXT. - GB
OUTWARD OPENING WINDOW - GB
AUSSEN OEFF. ELEM. - GB

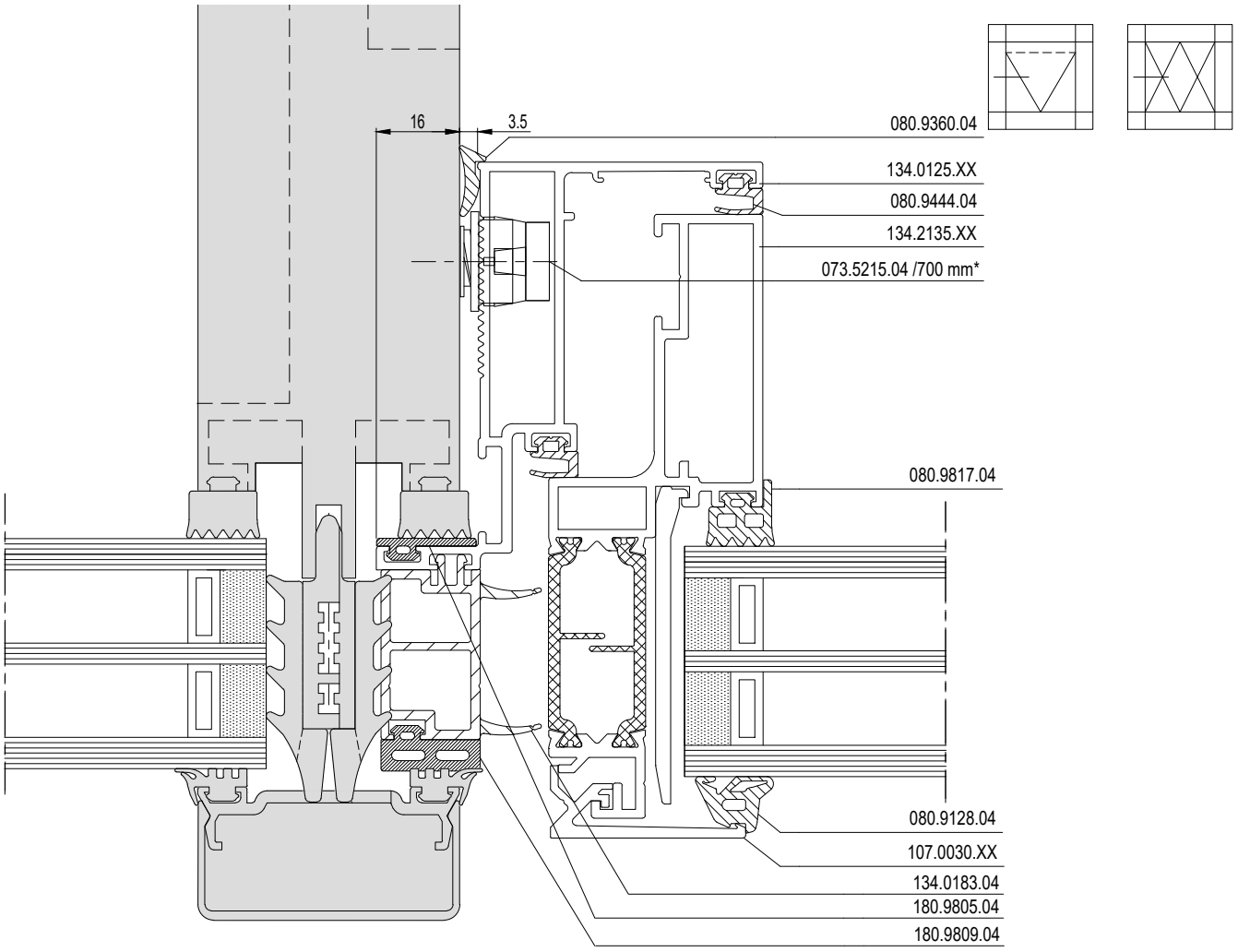


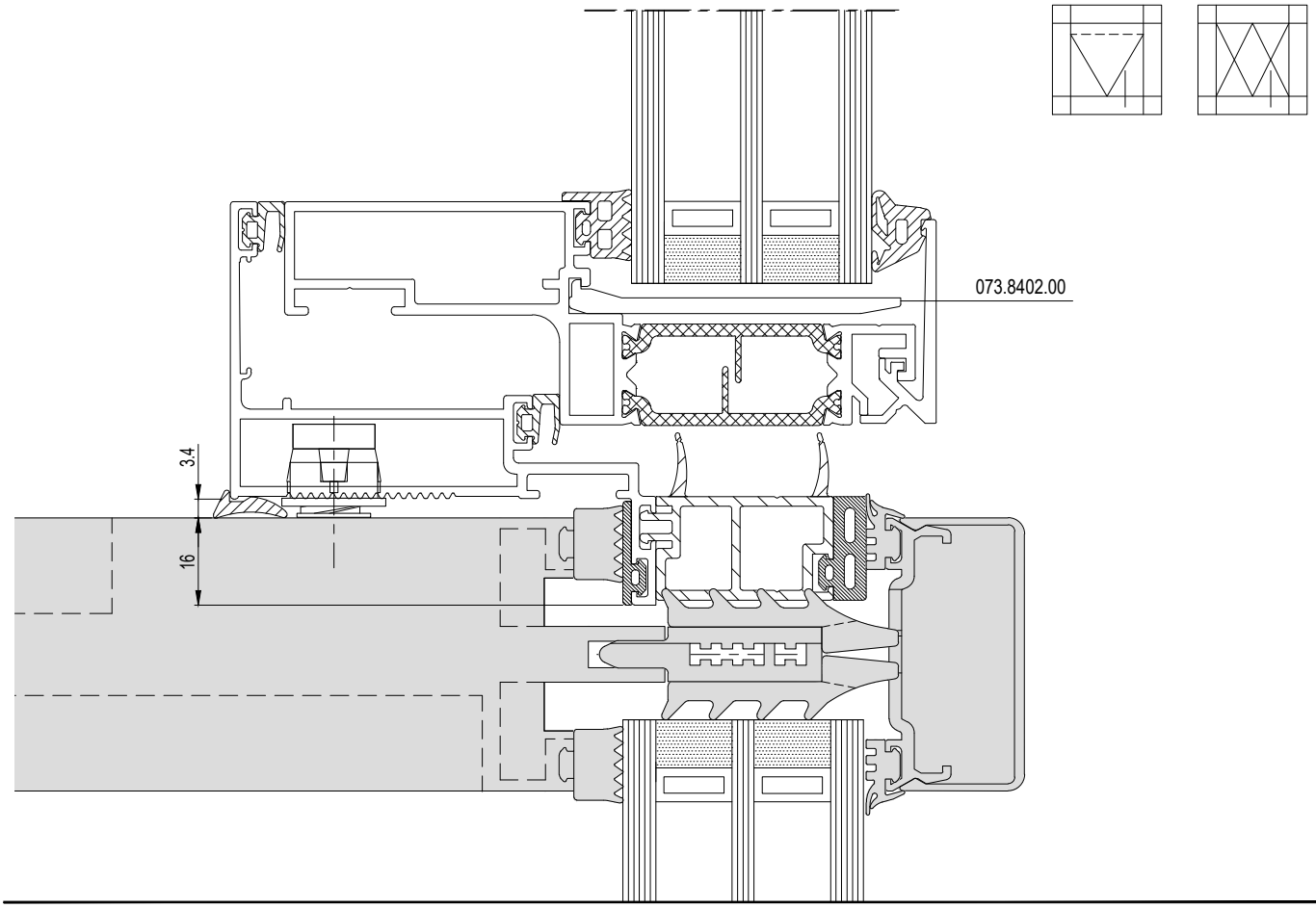






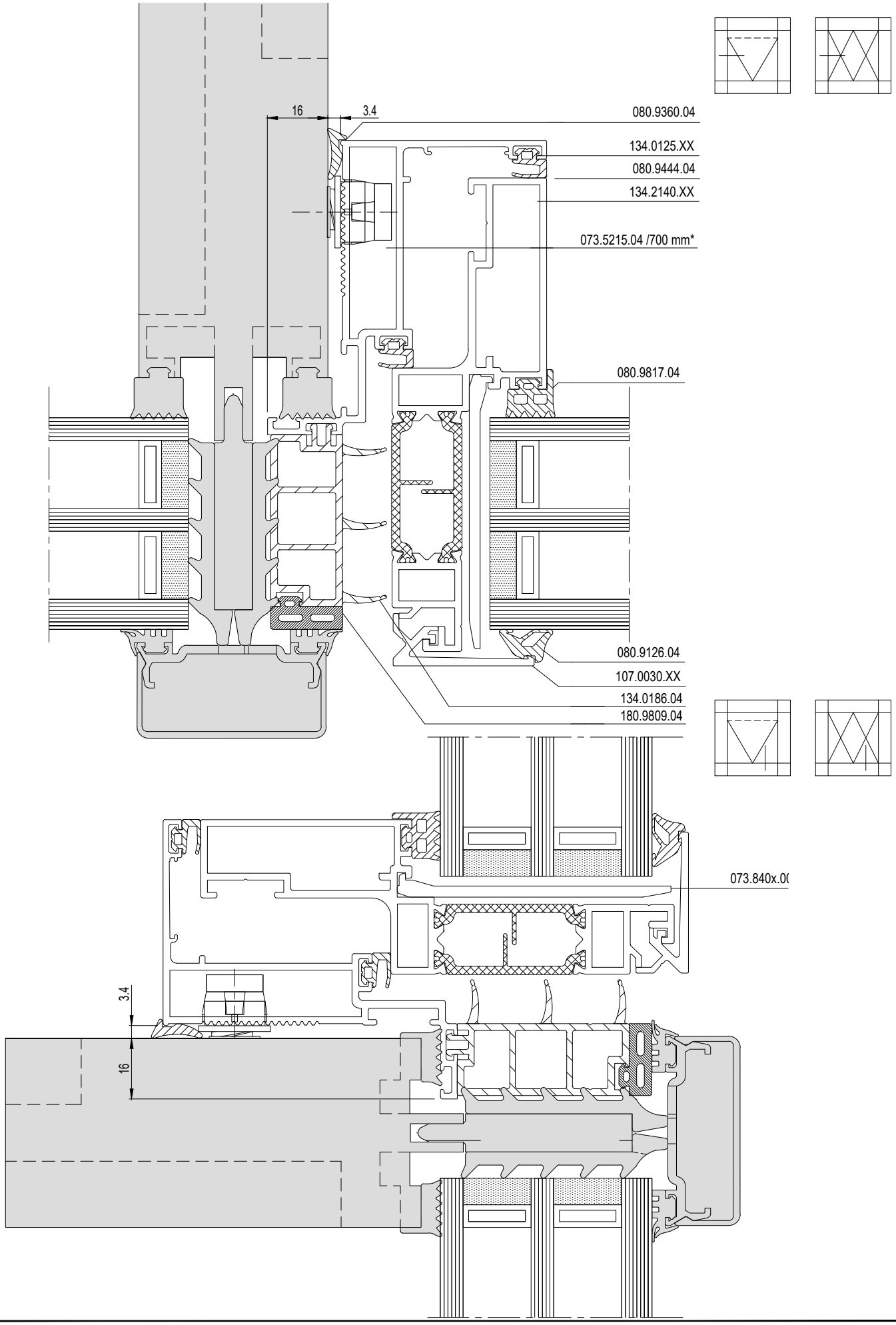
D


16
3.5
080.9360.04
134.0125.XX
080.9444.04
134.2135.XX
073.5215.04 /700 mm*
080.9817.04
080.9128.04
107.0030.XX
134.0183.04
180.9805.04
180.9809.04

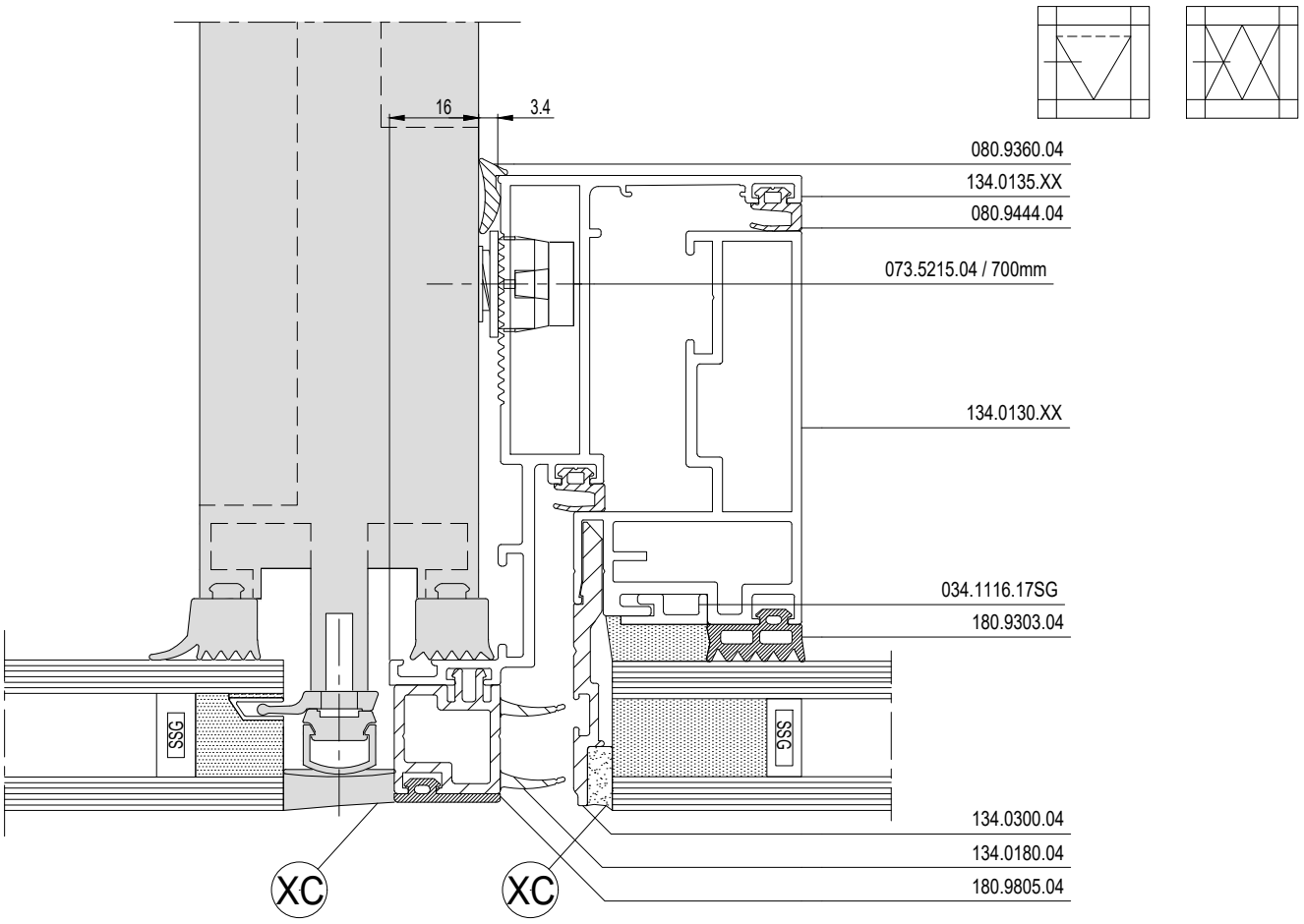

073.8402.00
3.4
16

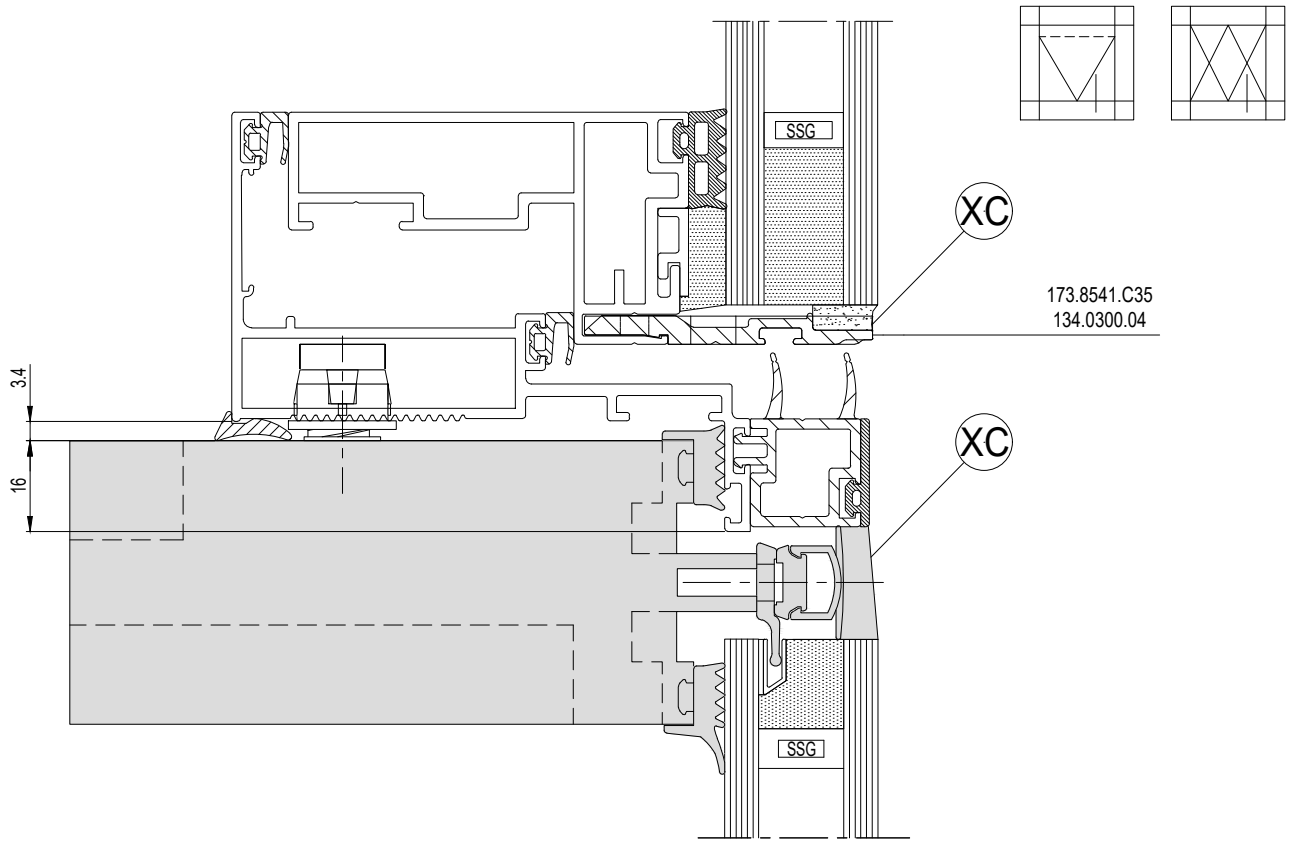
D

BUITENDRAAIEND ELEM - GB HI
ELEM.OUVERTURE VERS L'EXT. - GB HI
OUTWARD OPENING WINDOW - GB HI
AUSSEN OEFF. ELEM. - GB HI



D





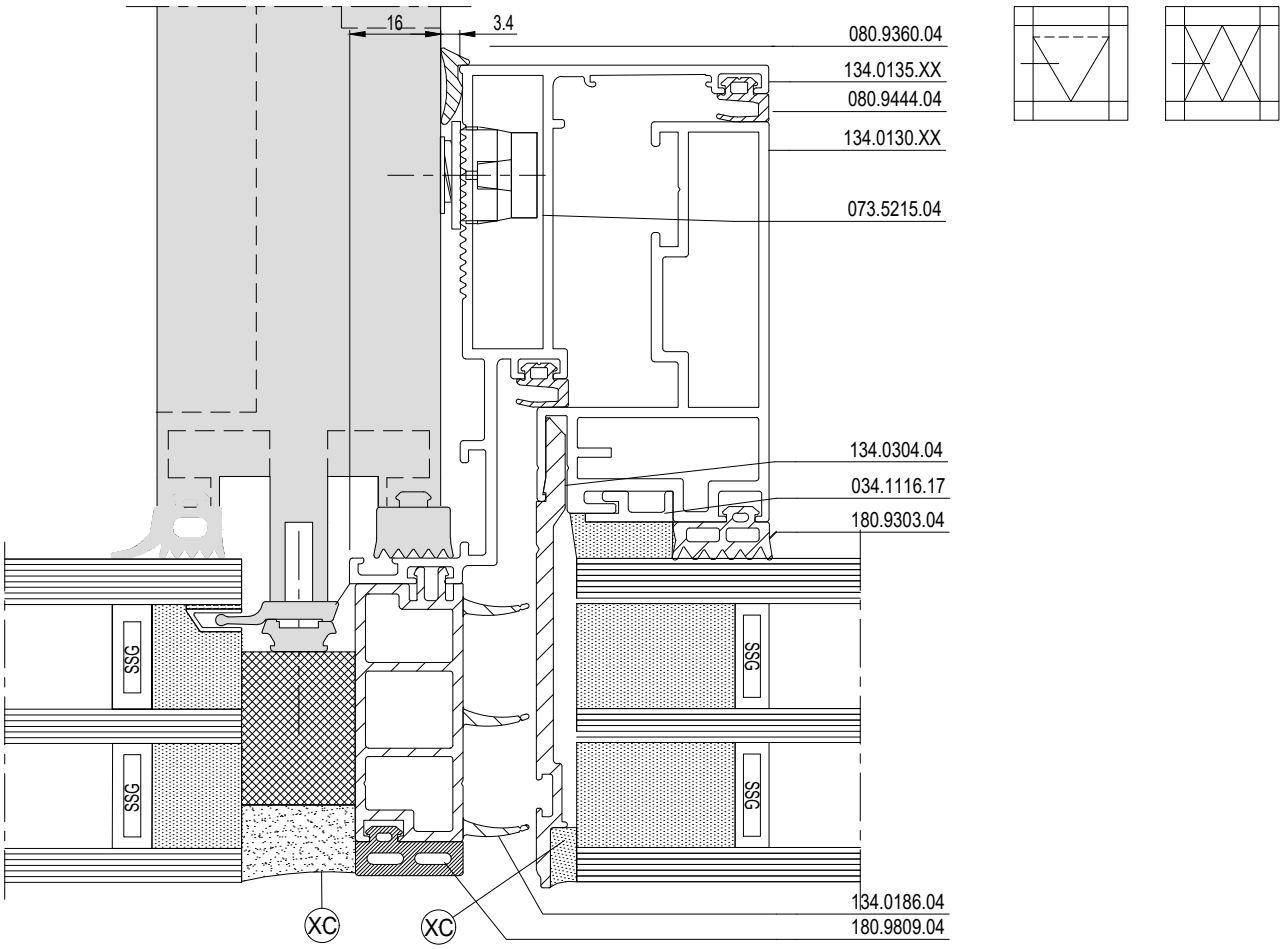
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

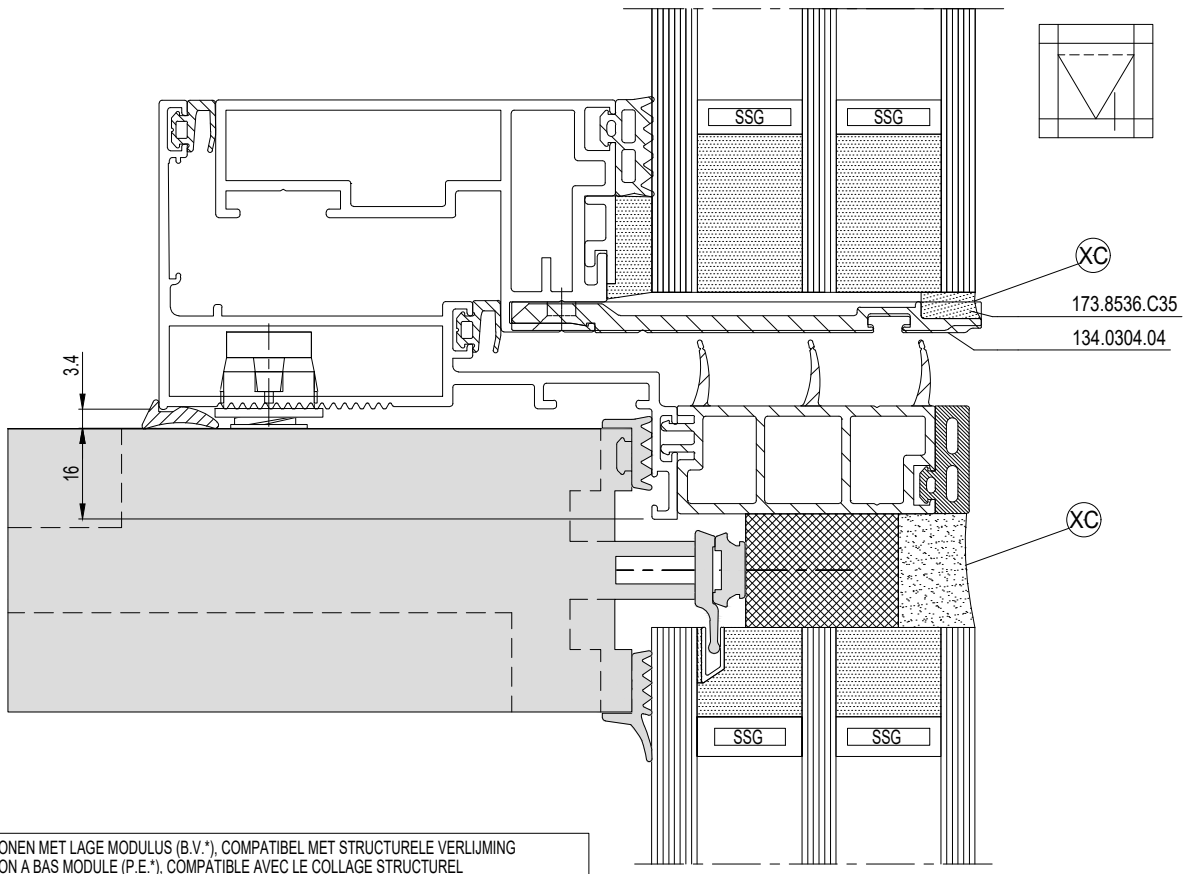
ETAG 002

D

BUITENDRAAIEND ELEM - SG HI- SC
ELEM.OUVERTURE VERS L'EXT. - SG HI - SC
OUTWARD OPENING WINDOW - SG HI - SC
AUSSEN OEFF. ELEM. - SG HI - SC

Reynaers Aluminium



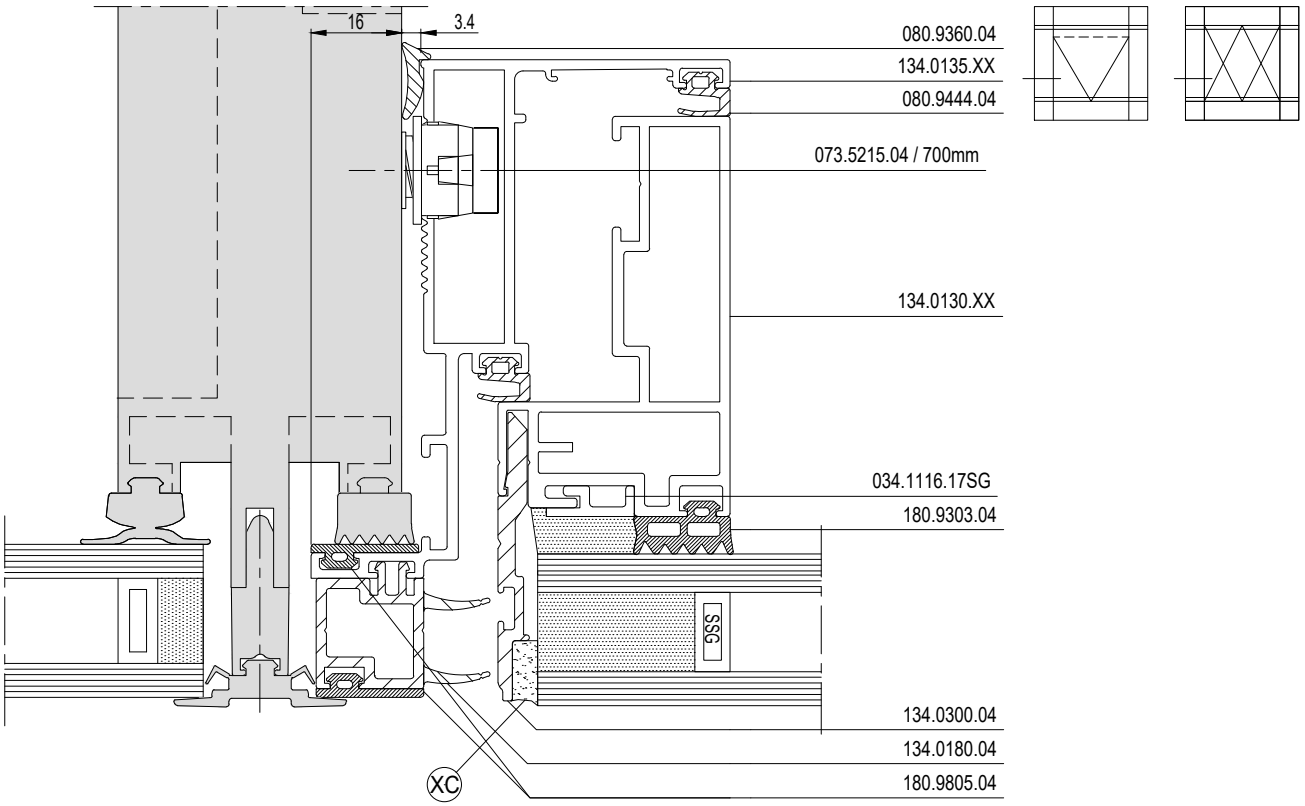


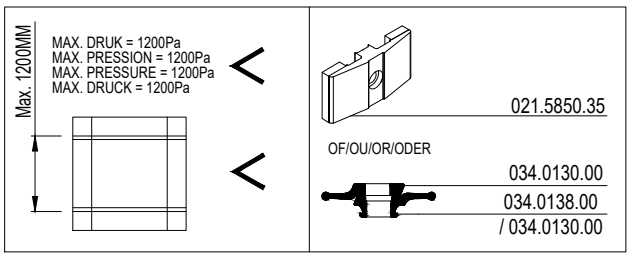
D

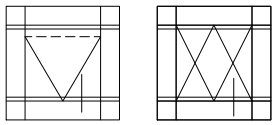
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

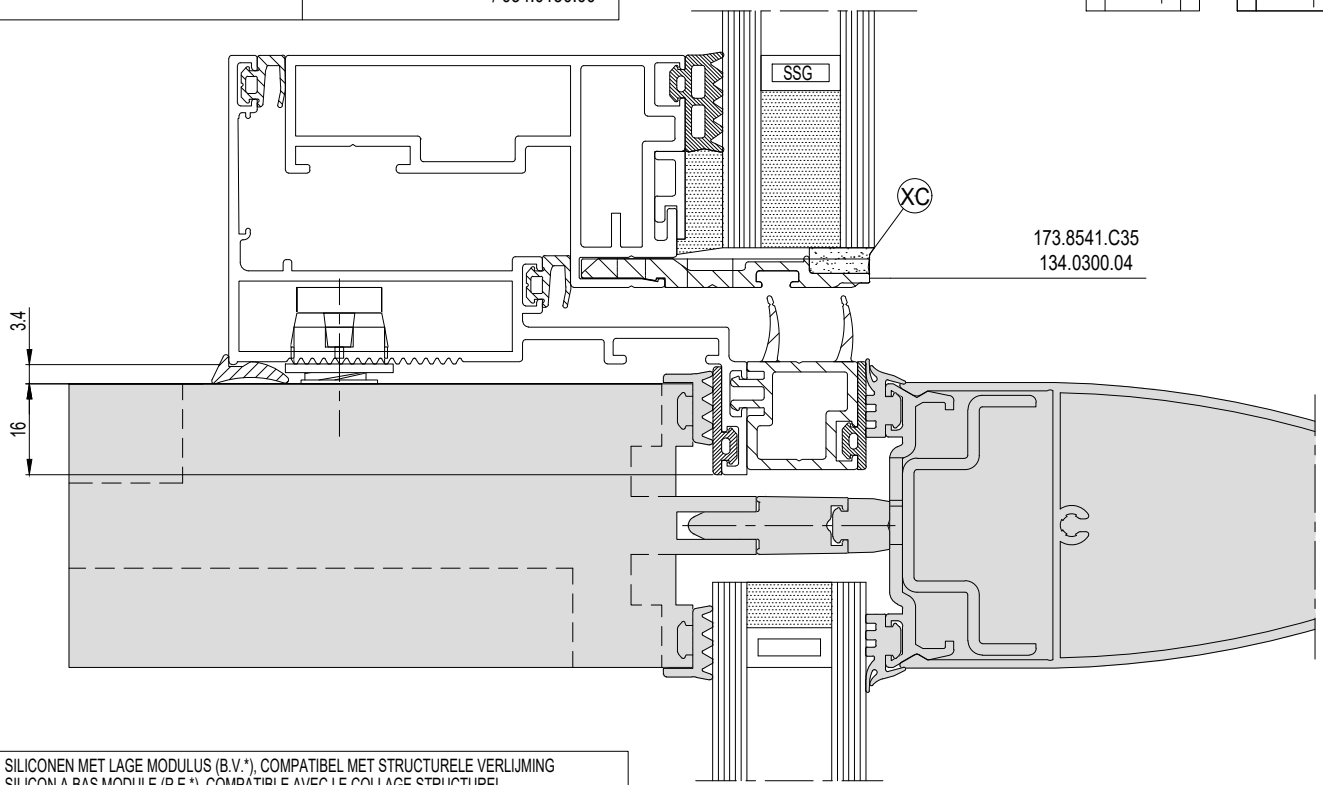
ETAG 002

BUITENDRAAIEND ELEM - SG - HL
ELEM.OUVERTURE VERS L'EXT. - SG - HL
OUTWARD OPENING WINDOW - SG - HL
AUSSEN OEFF. ELEM. - SG - HL







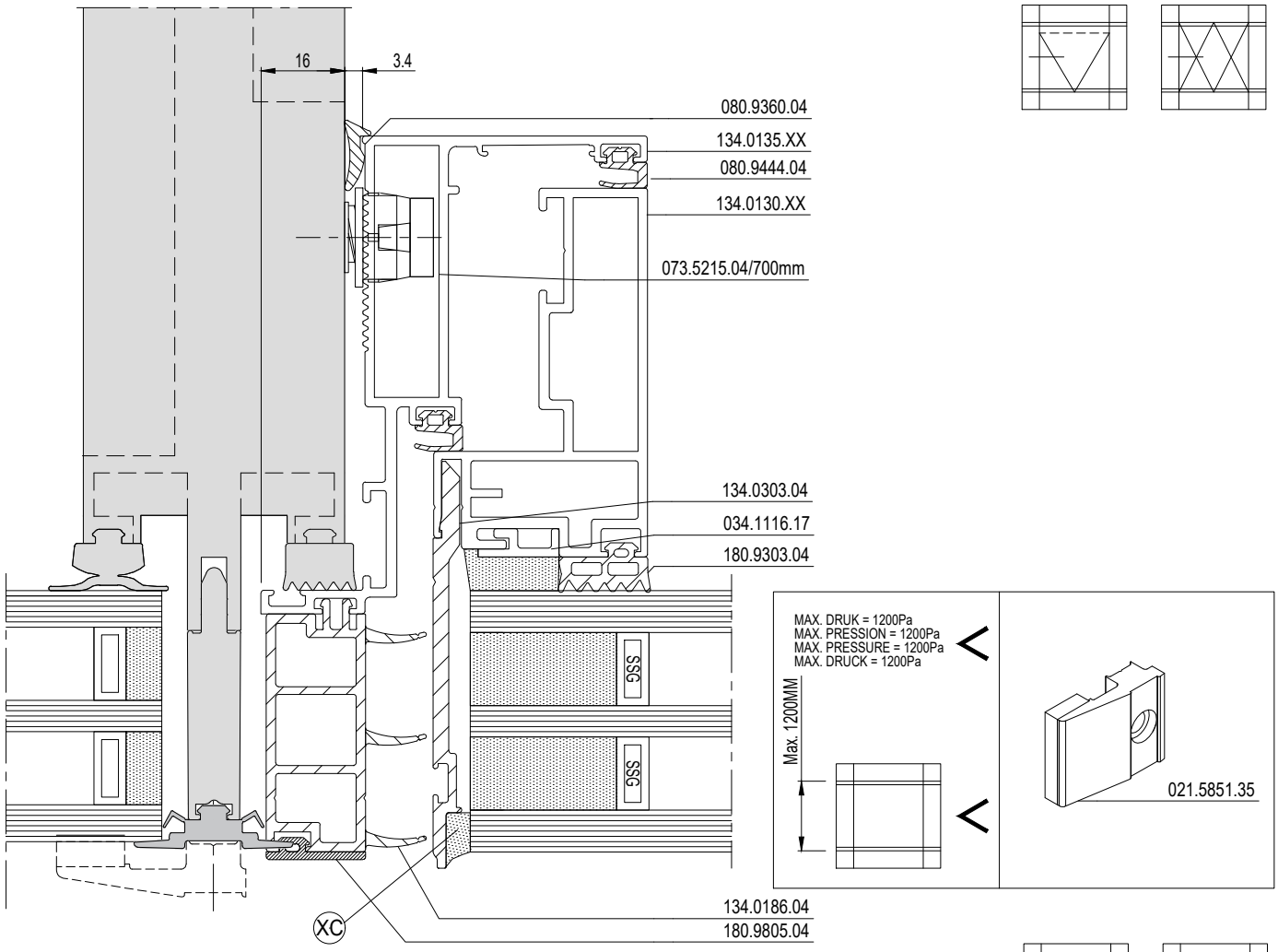


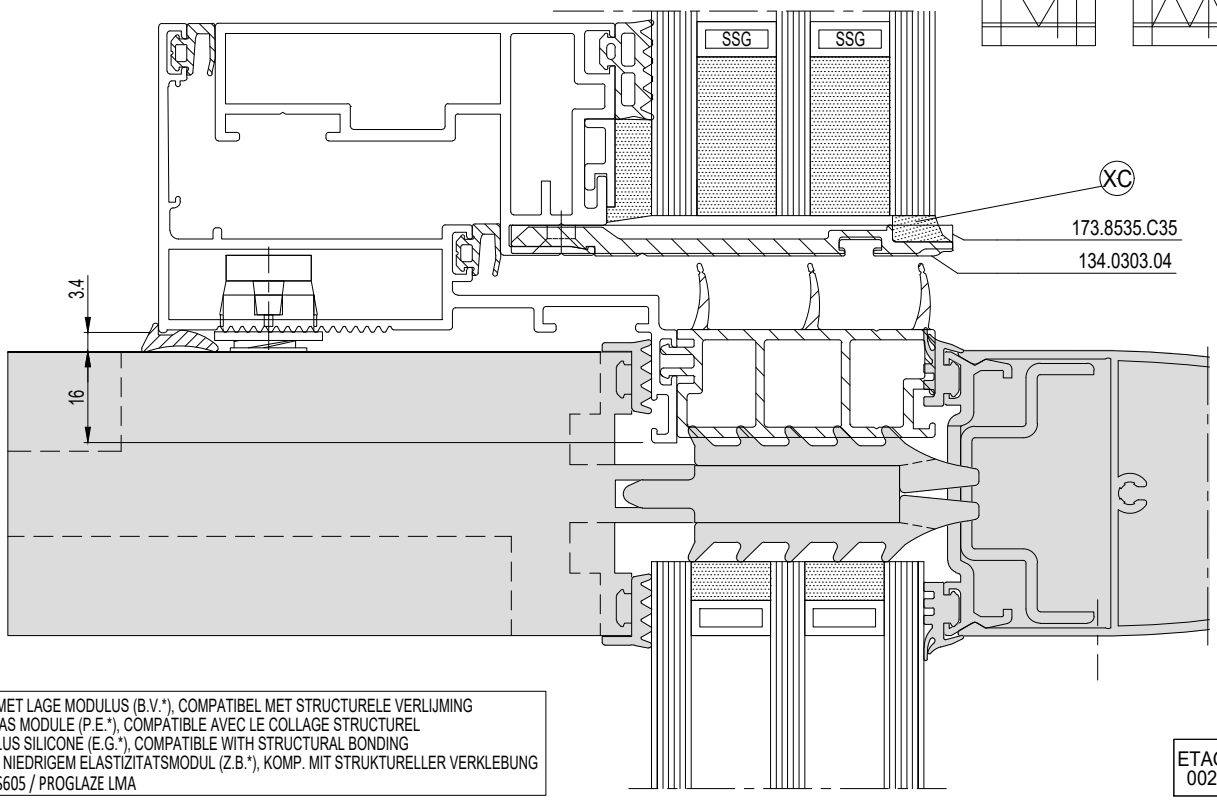
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG 002

D

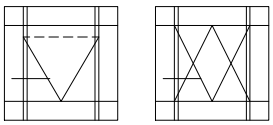
BUITENDRAAIEND ELEM - SG HI -HL
ELEM.OUVERTURE VERS L'EXT. - SG HI - HL
OUTWARD OPENING WINDOW - SG HI - HL
AUSSEN OEFF. ELEM. - SG HI - HL

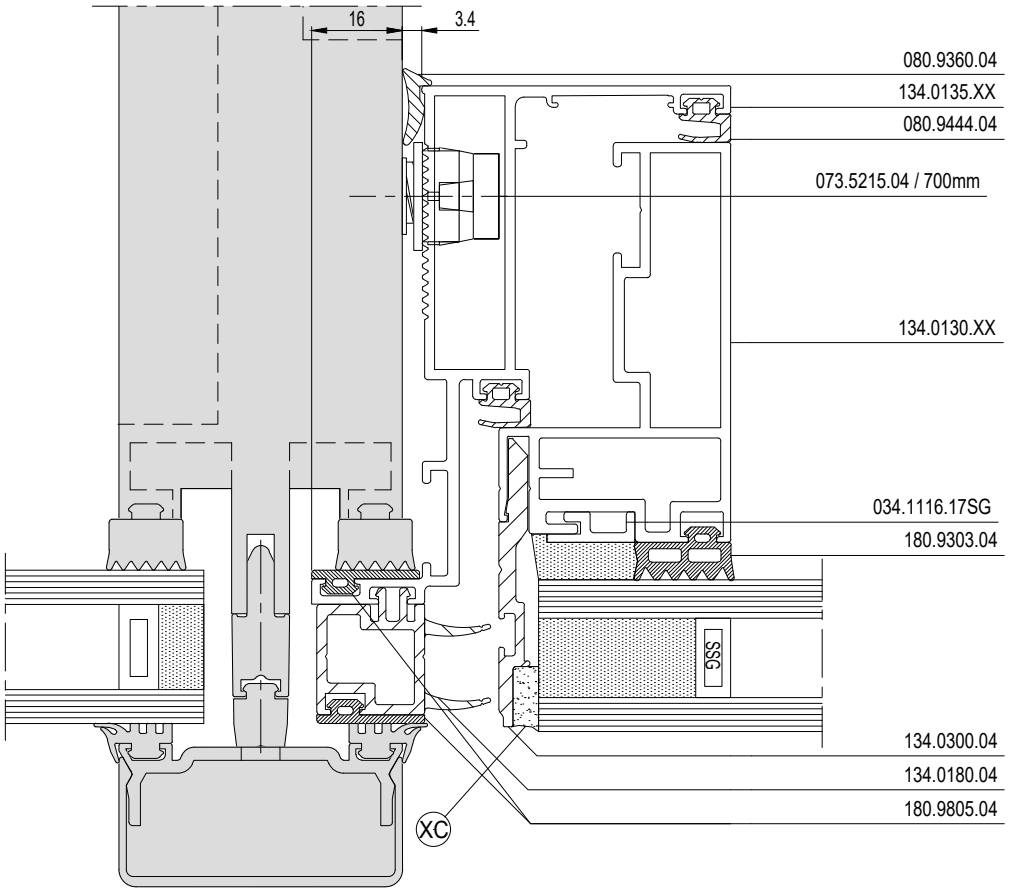


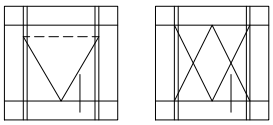


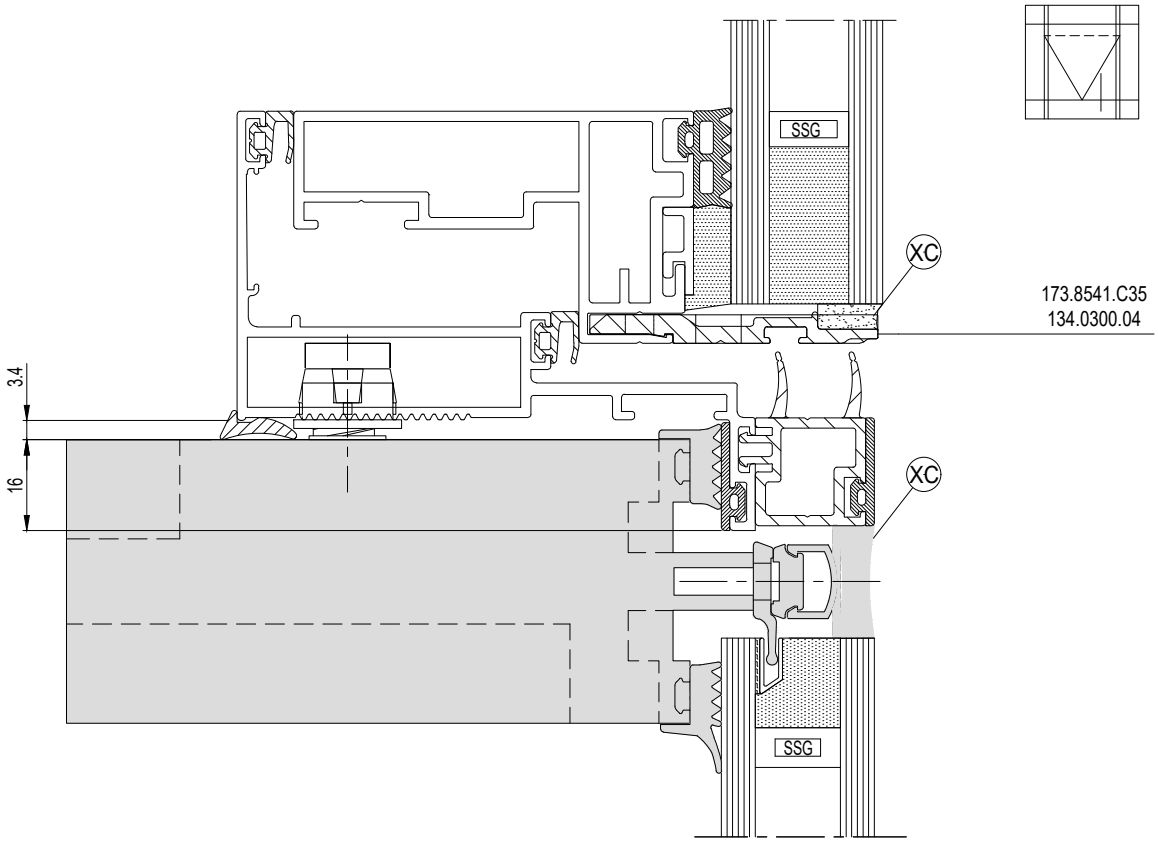
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG 002







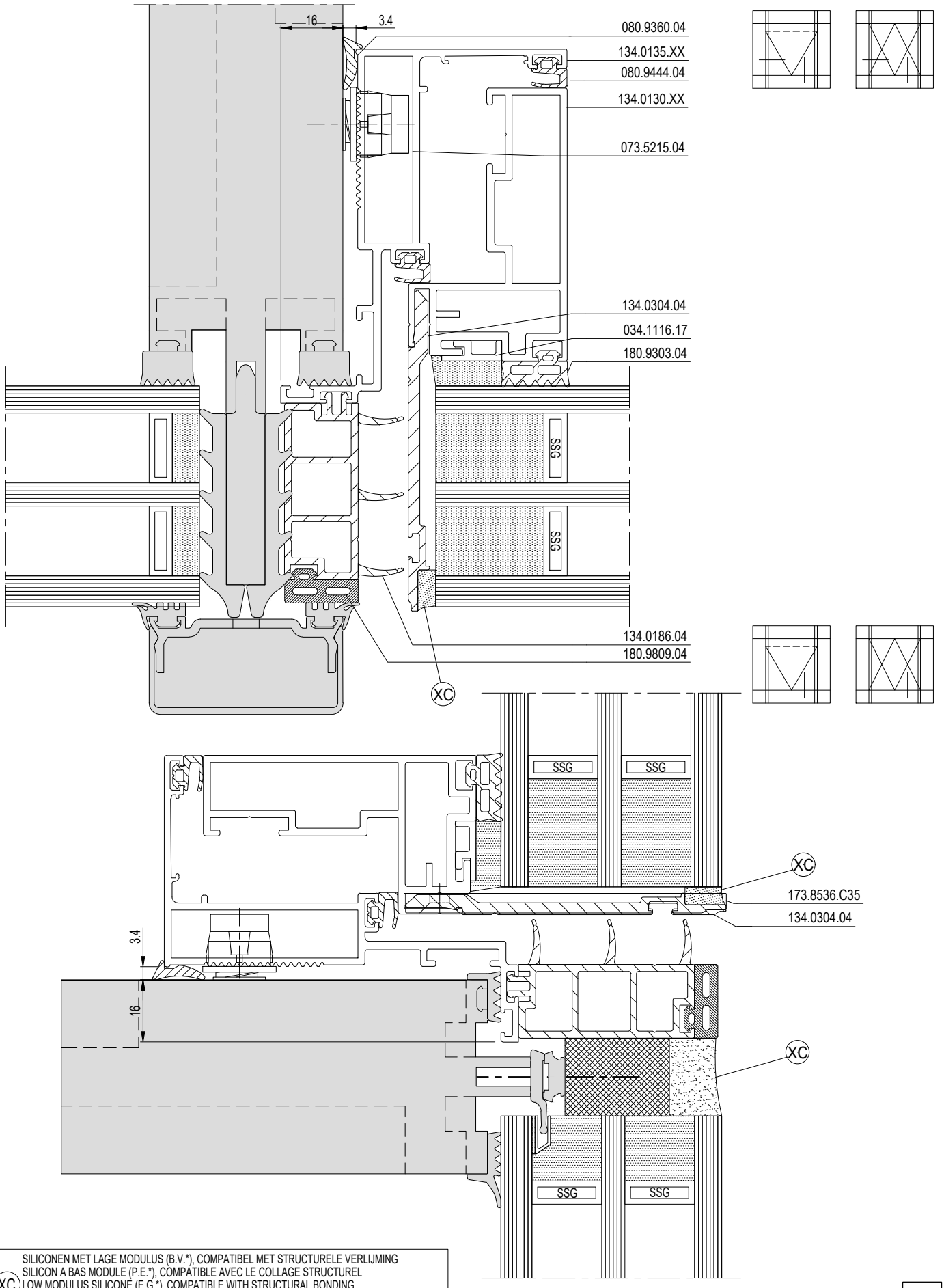


D

XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG 002

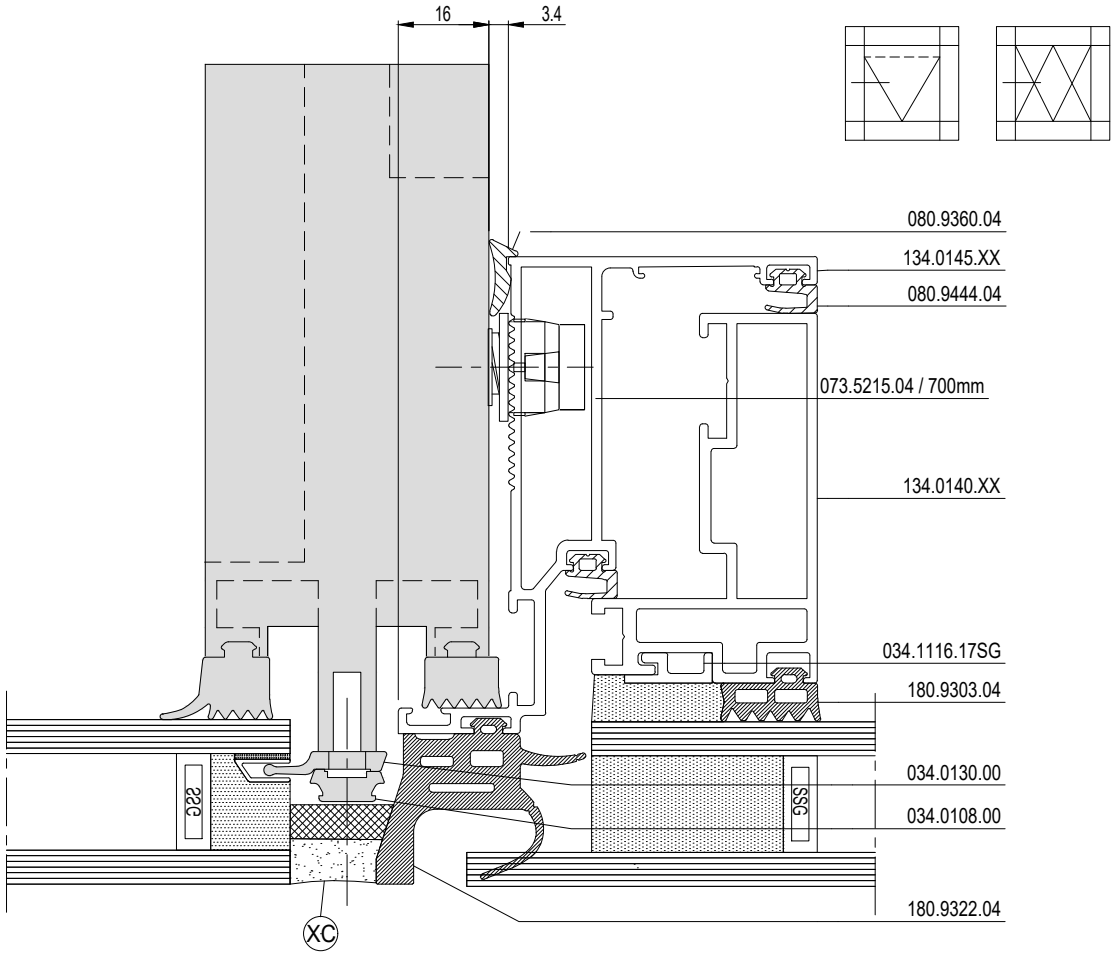
BUITENDRAAIEND ELEM - SG HI - VL
ELEM.OUVERTURE VERS L'EXT. - SG HI - VL
OUTWARD OPENING WINDOW - SG HI- VL
AUSSEN OEFF. ELEM. - SG HI -VL

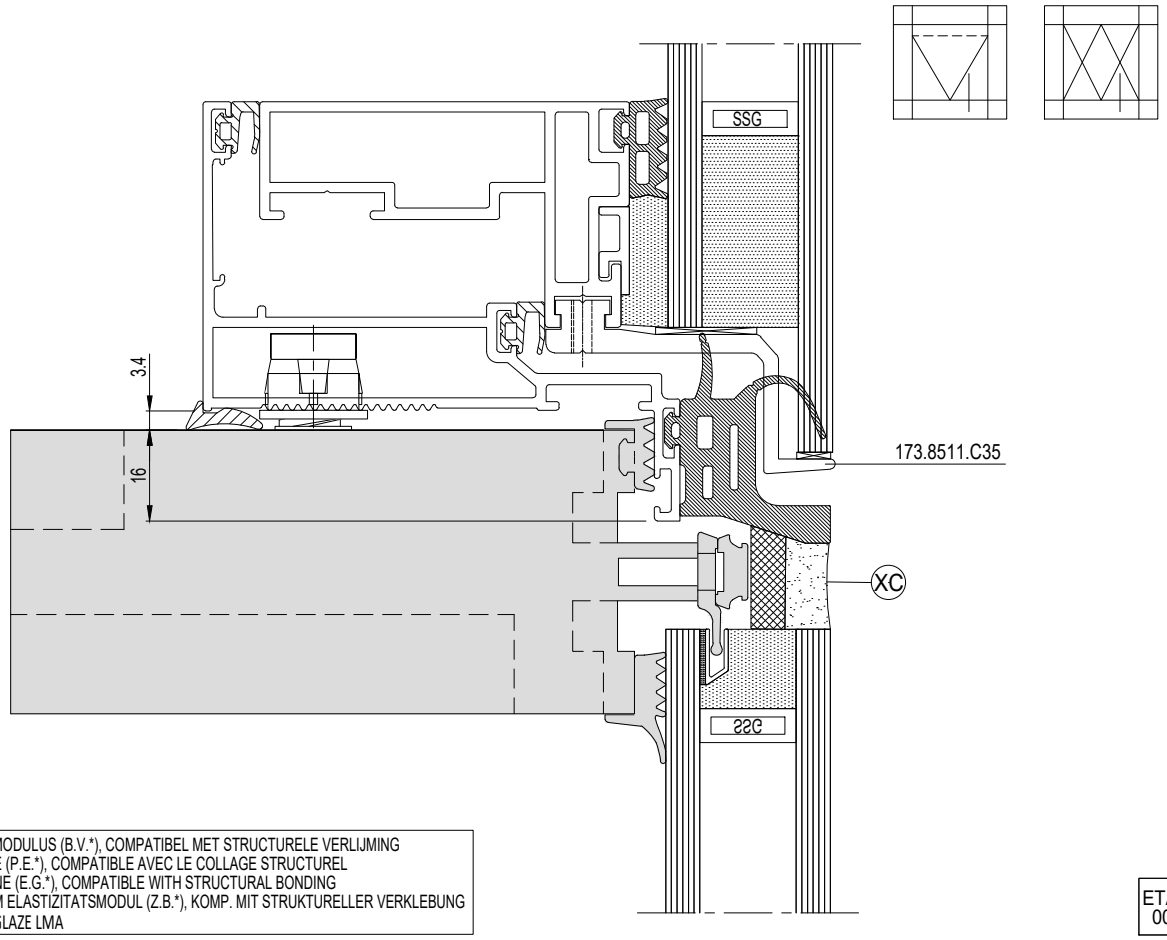


XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG 002

BUITENDRAAIEND ELEM - SGS - SC
ELEM.OUVERTURE VERS L'EXT. - SGS - SC
OUTWARD OPENING WINDOW - SGS - SC
AUSSEN OEFF. ELEM. - SGS - SC



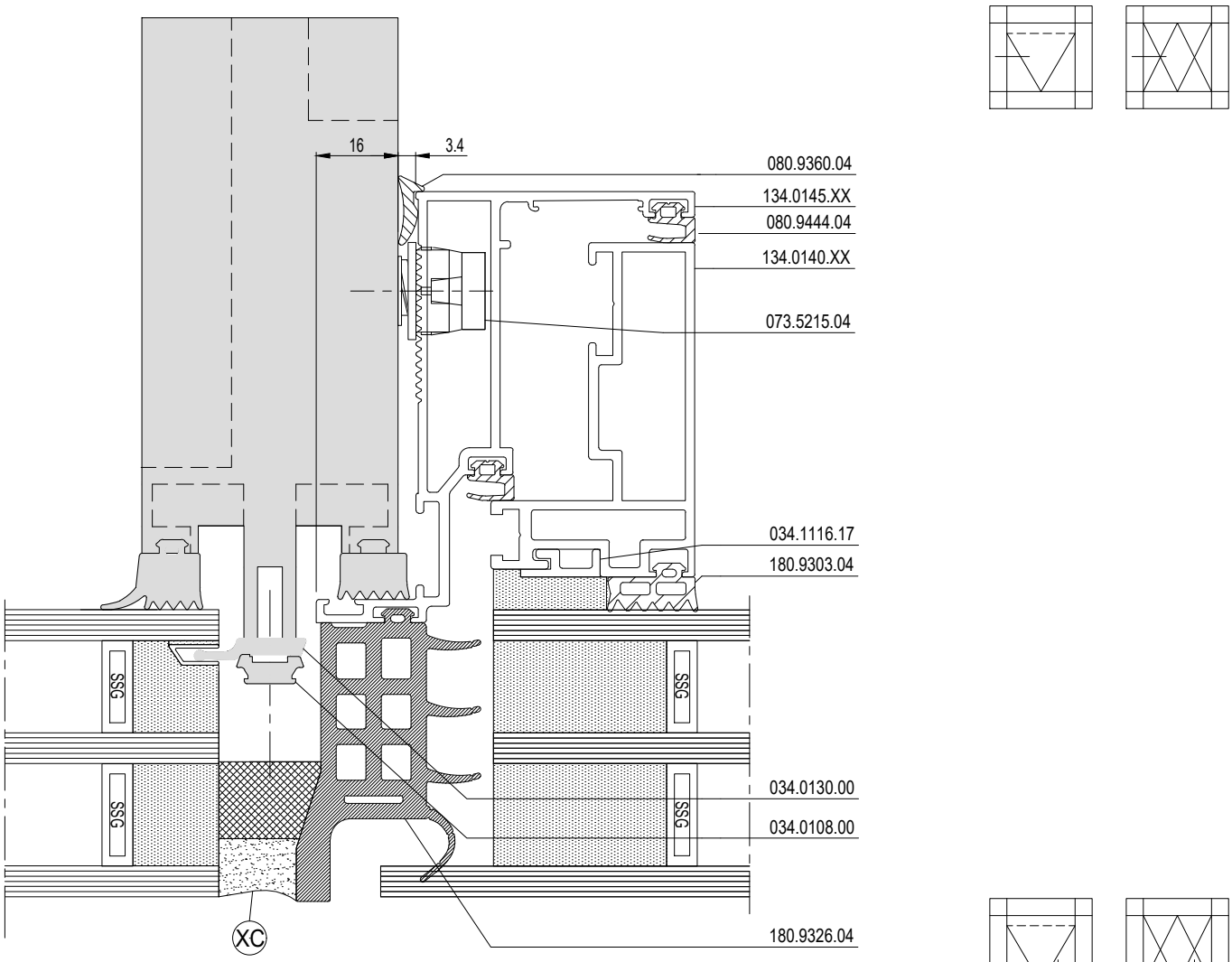


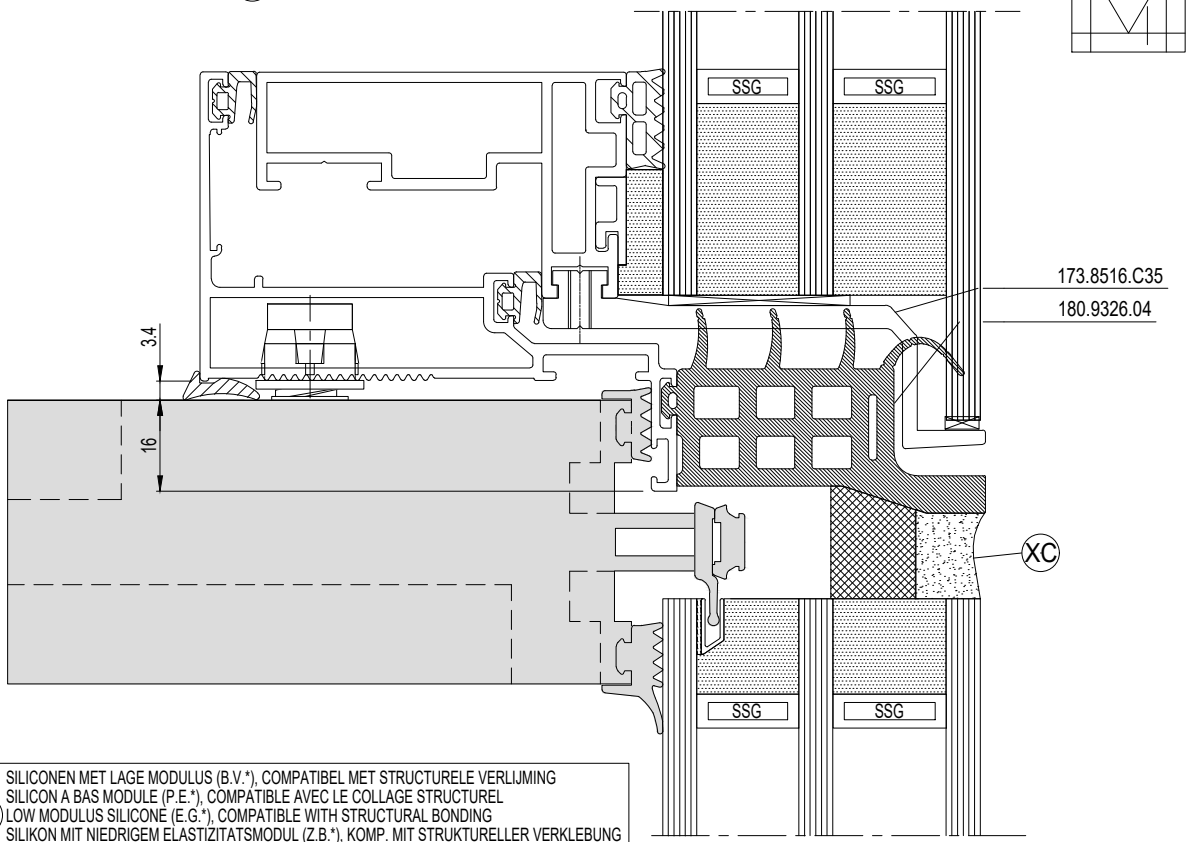
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG 002

D

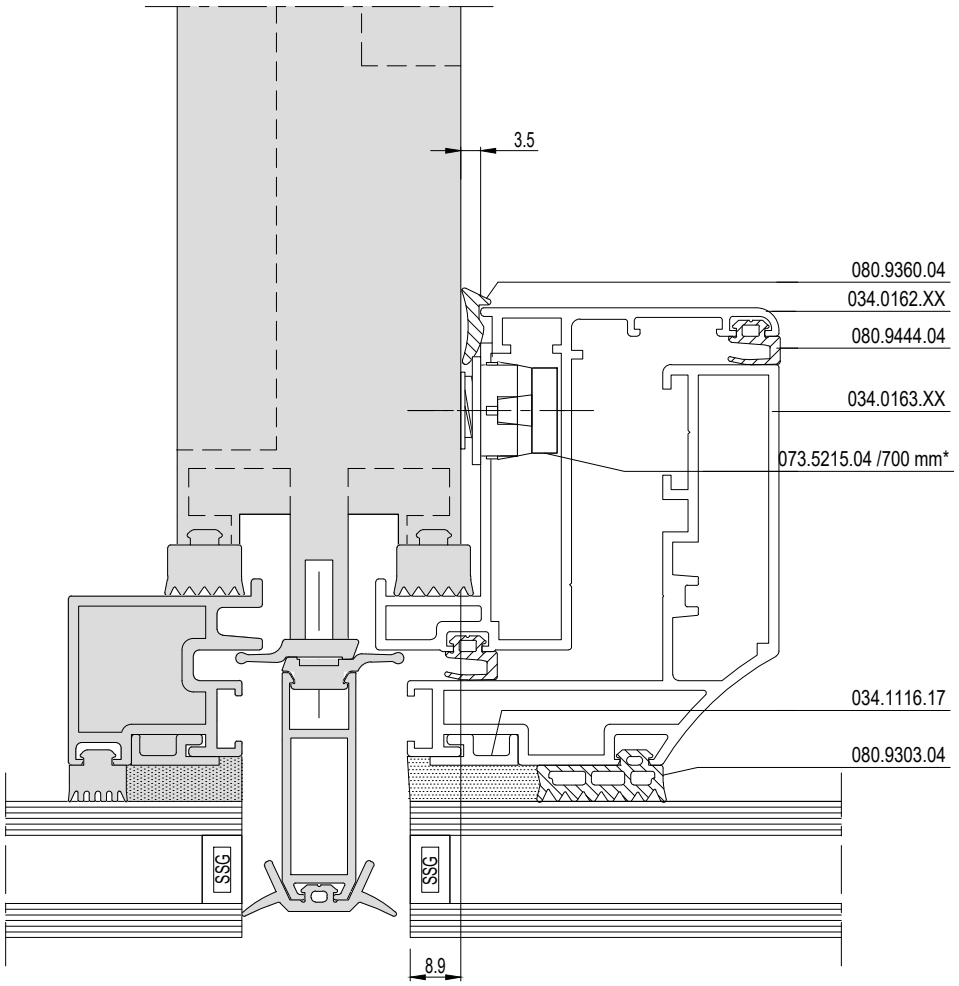
BUITENDRAAIEND ELEM - SGS HI - SC
ELEM.OUVERTURE VERS L'EXT. - SGS HI - SC
OUTWARD OPENING WINDOW - SGS HI - SC
AUSSEN OEFF. ELEM. - SGS HI - SC

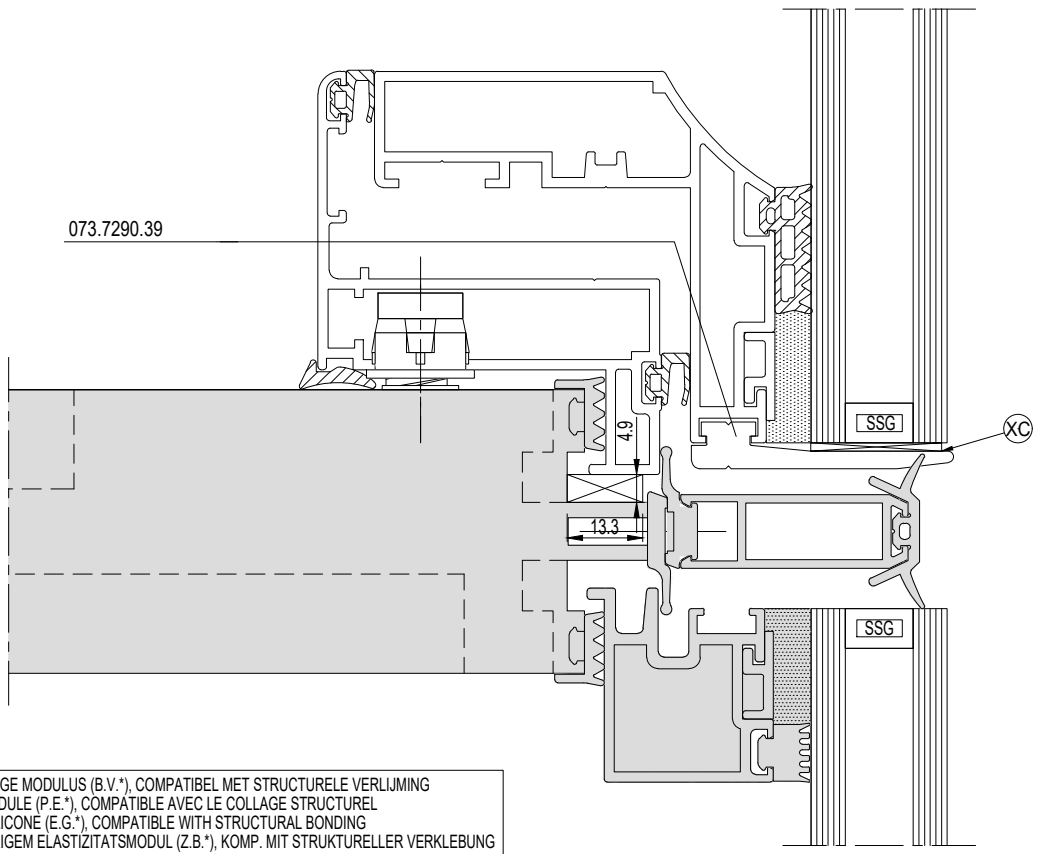




XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG 002





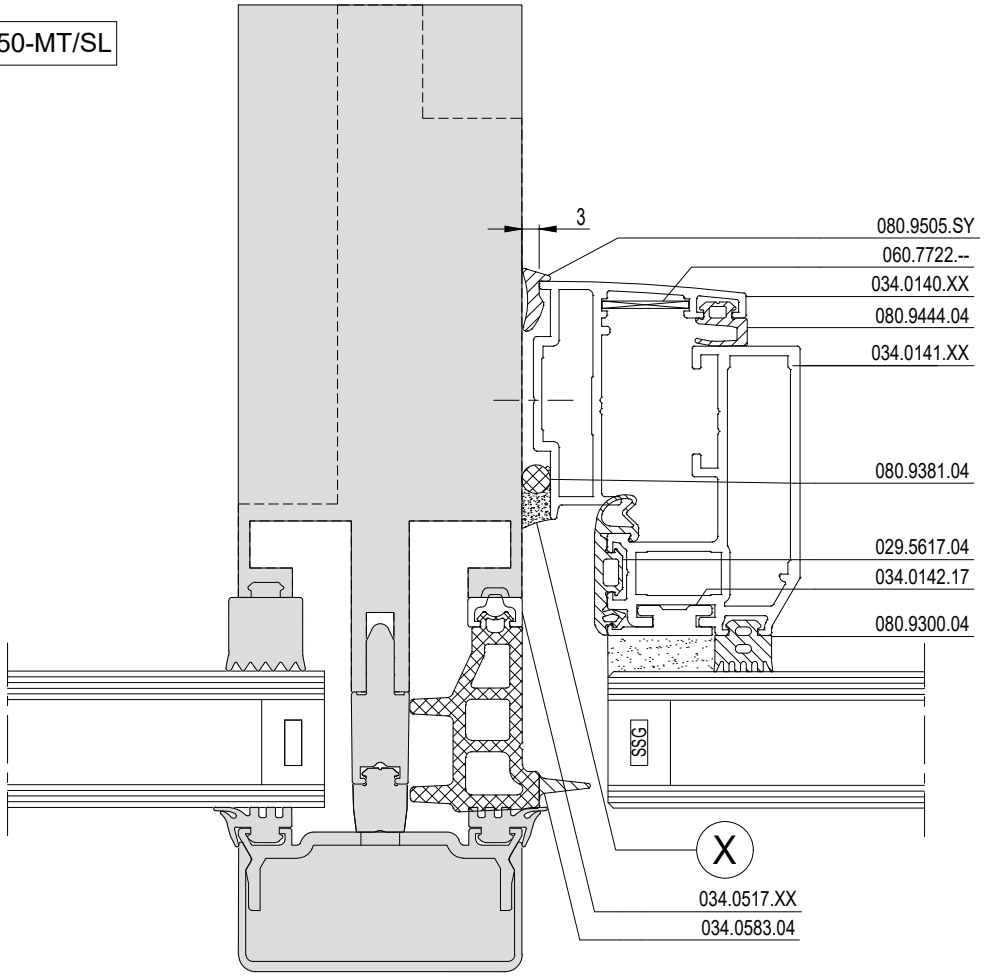
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

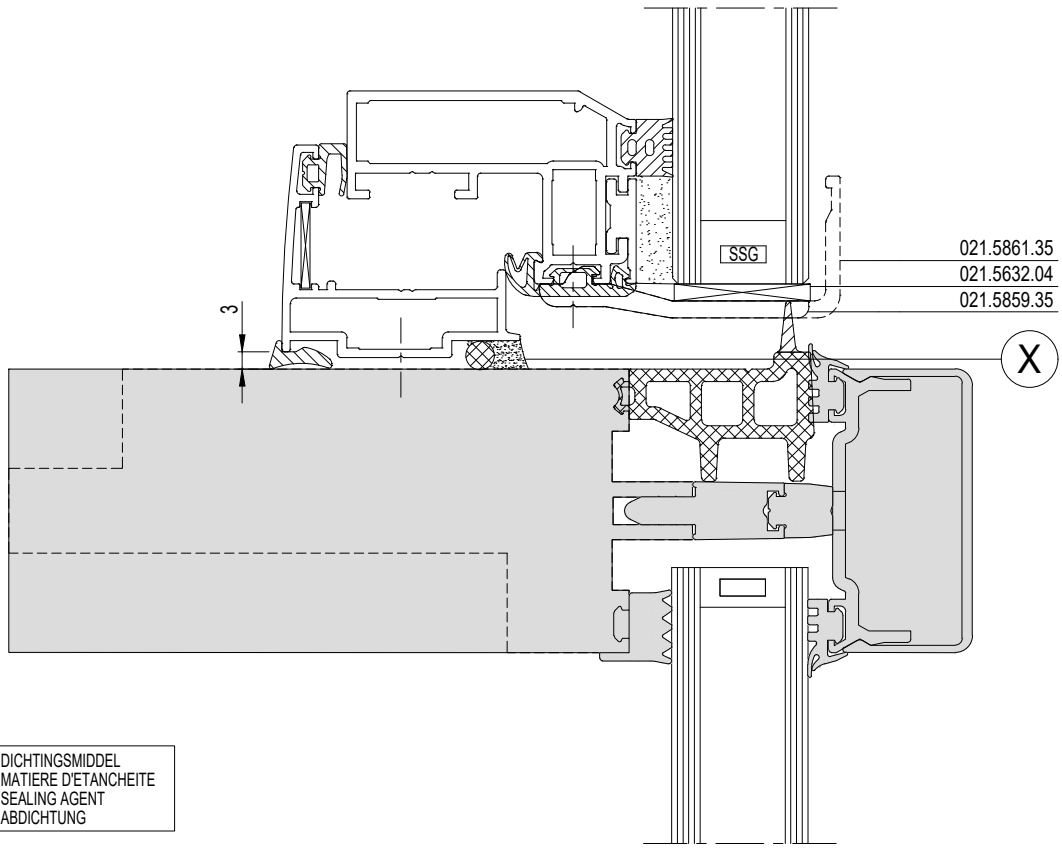
ETAG 002

D

UITZETZAKRAAM FV SG
FENETRE OUVRANT A L'ITALIENNE FV SG
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG
SENKKLAPPFENSTER FV SG

CW 50-MT/SL





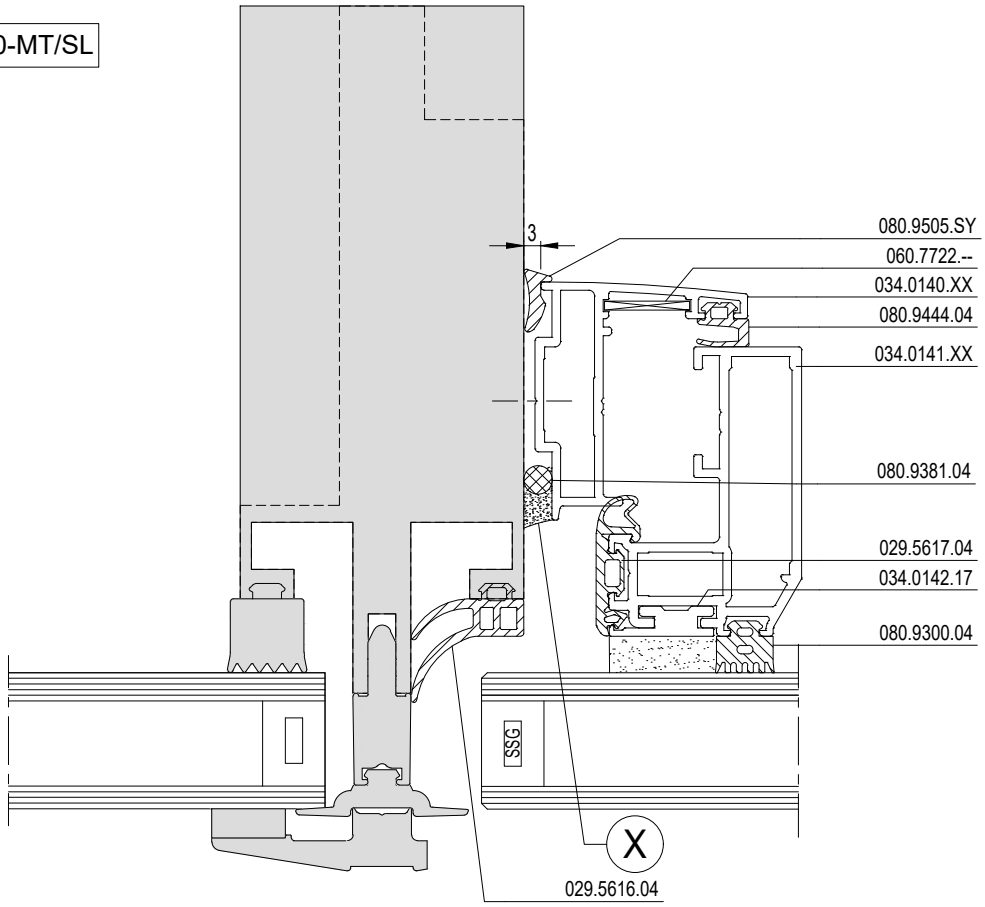
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

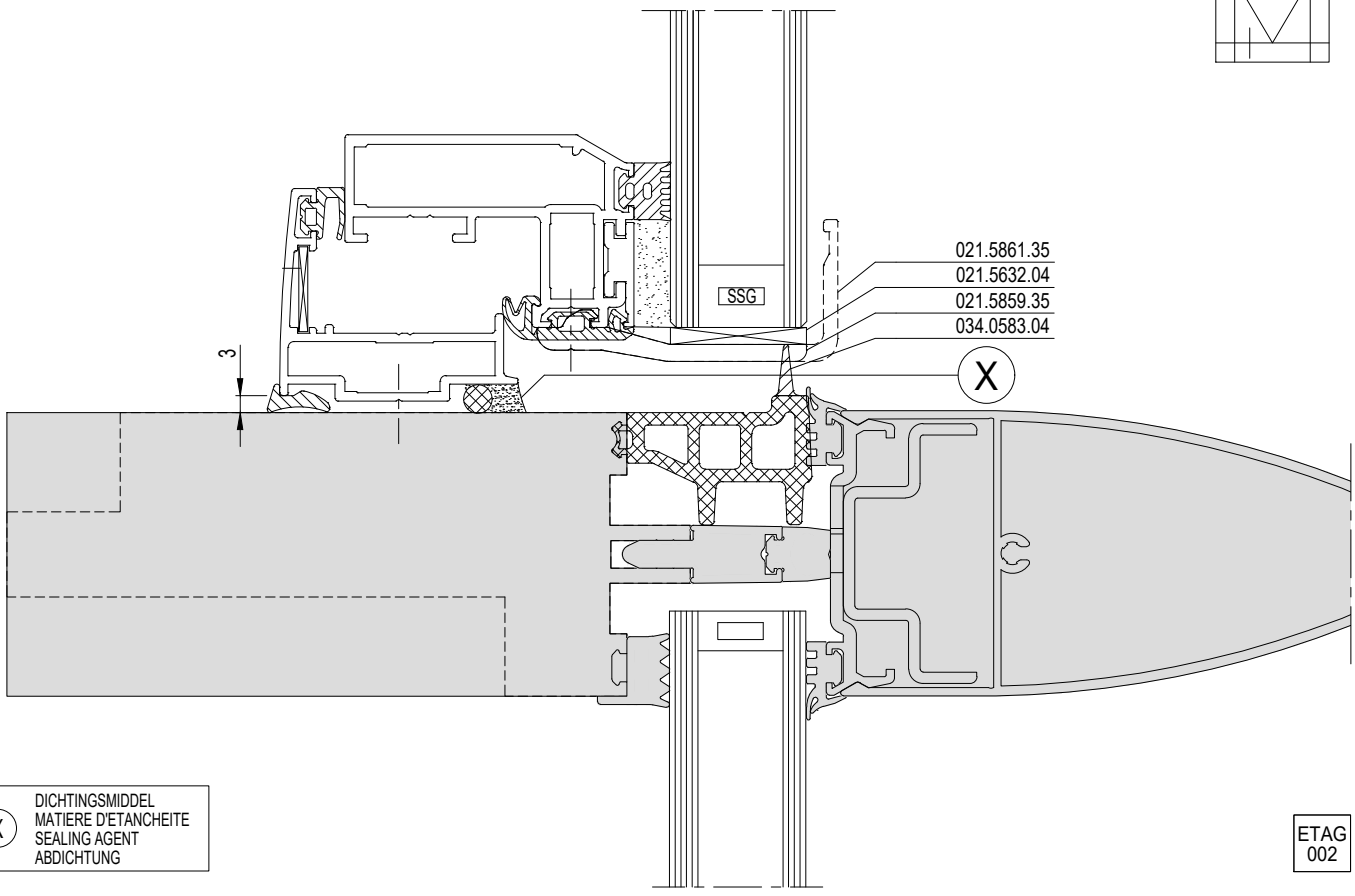
ETAG
002

UITZETZAKRAAM FV SG - HL
FENETRE OUVRANT A L'ITALIENNE FV SG - HL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - HL
SENKKLAPPFENSTER FV SG - HL

Reynaers Aluminium

CW 50-MT/SL





X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

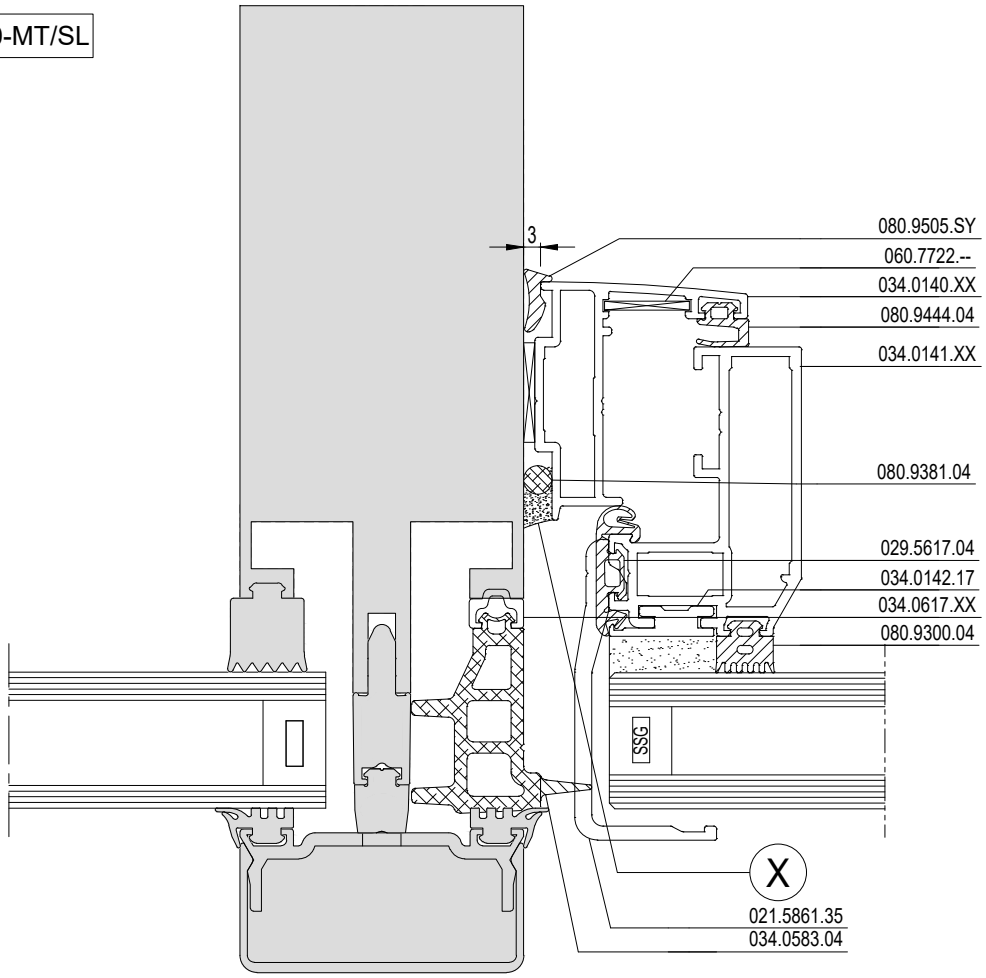
ETAG 002

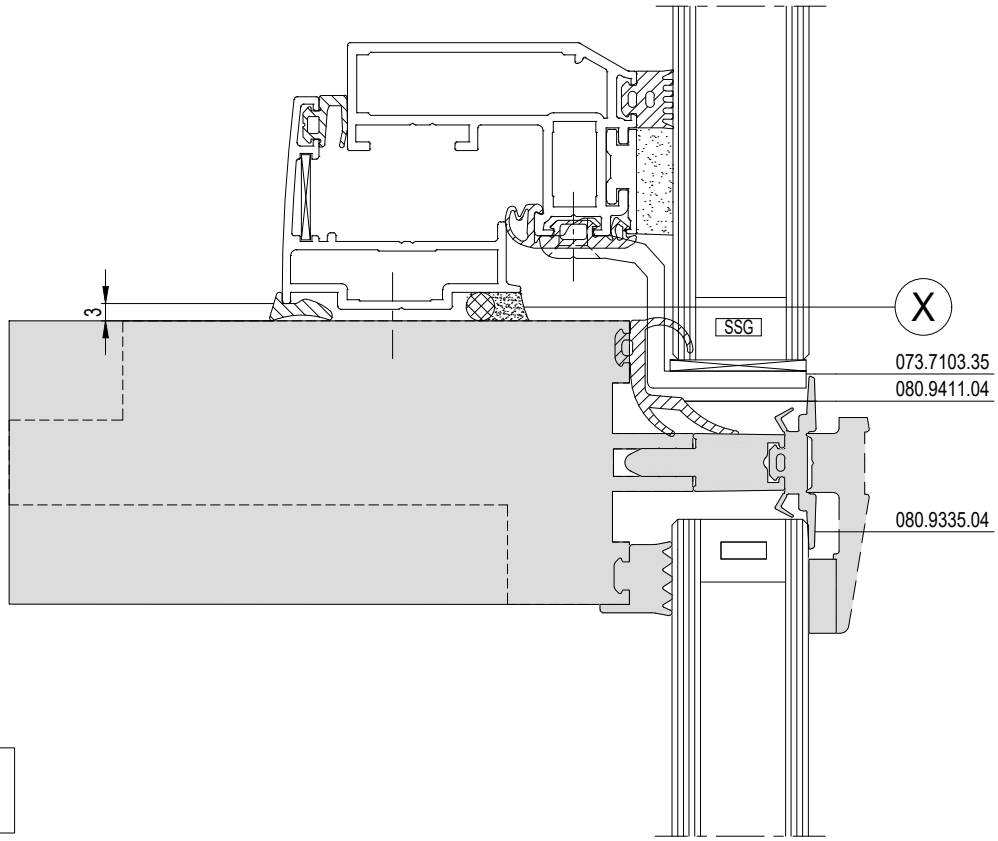
D

UITZETZAKRAAM FV SG - VL
FENETRE OUVRANT A L'ITALIENNE FV SG - VL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - VL
SENKKLAPPFENSTER FV SG - VL

Reynaers Aluminium

CW 50-MT/SL





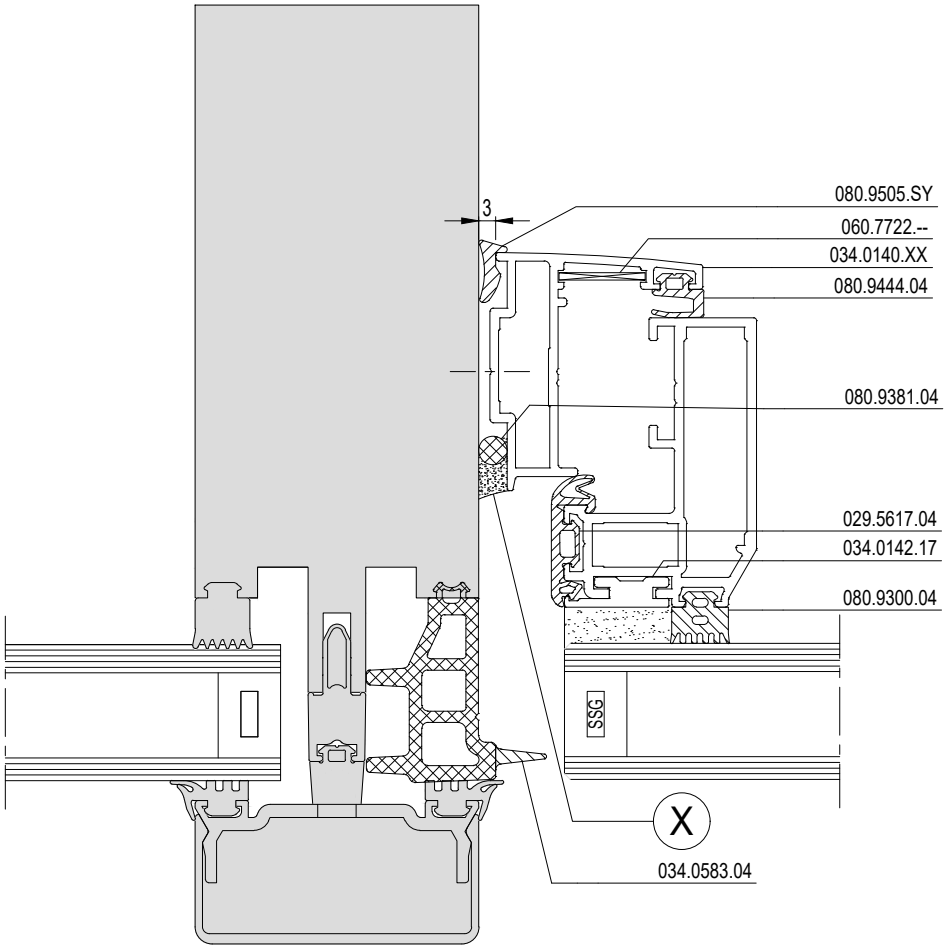
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

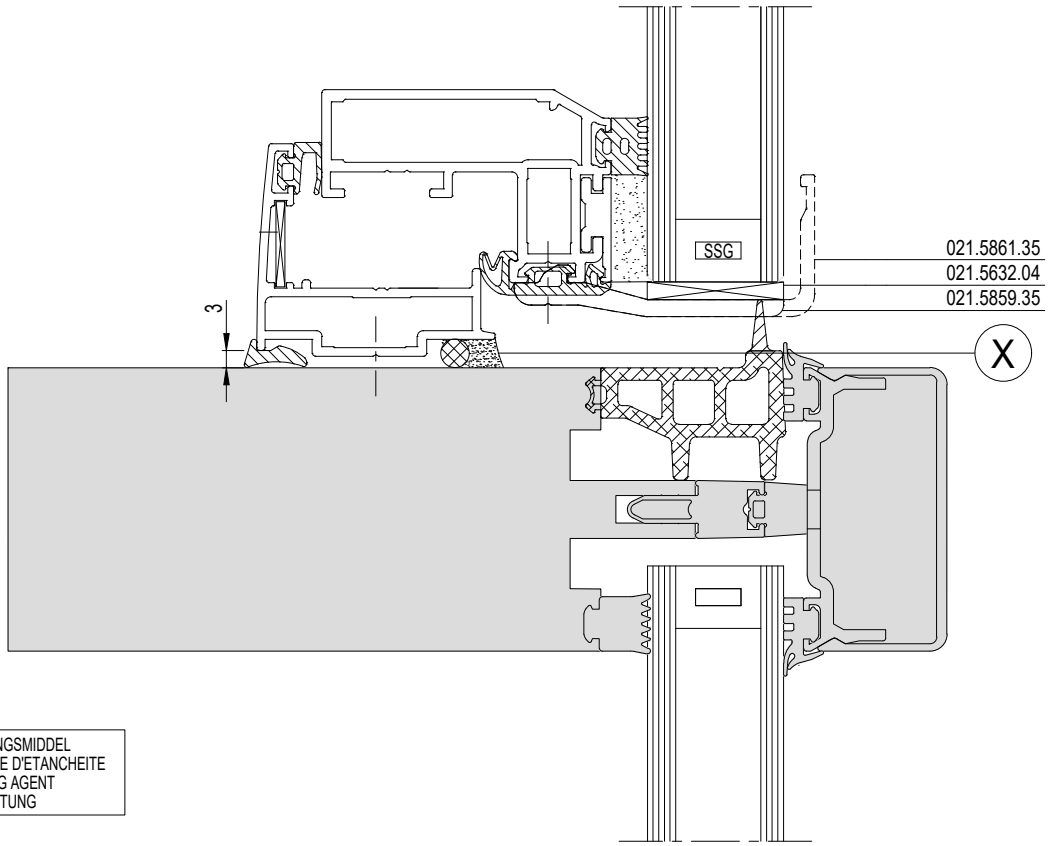
ETAG
002

UITZETZAKRAAM FV SG - CW 50-TT
FENETRE OUVRANT A L'ITALIENNE FV SG - CW 50-TT
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW 50-TT
SENKKLAPPFENSTER FV SG - CW 50-TT

Reynaers Aluminium

CW 50-TT





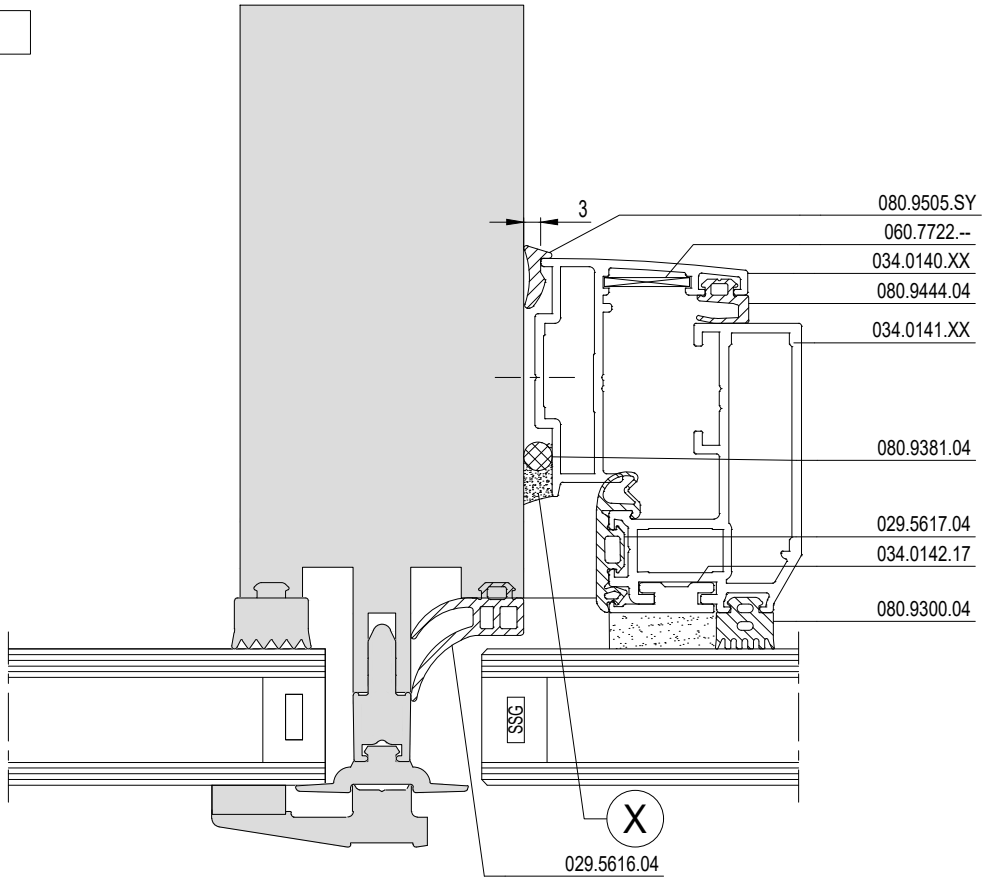
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

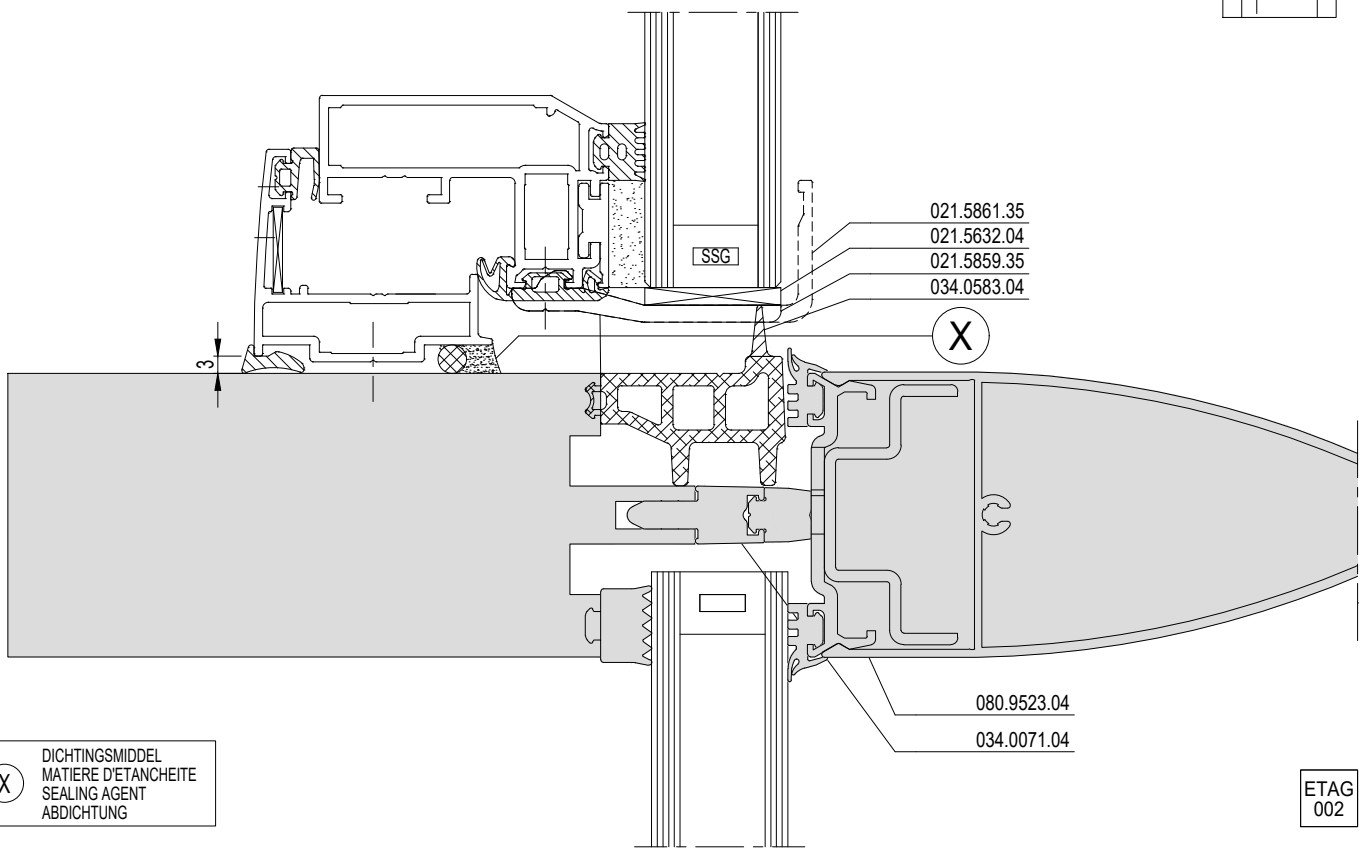
ETAG 002

D

UITZETZAKRAAM FV SG - CW 50-TT/HL
FENETRE OUVRANT A L'ITALIENNE FV SG - CW 50-TT/HL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW 50-TT/HL
SENKKLAPPFENSTER FV SG - CW 50-TT/HL

CW 50-TT





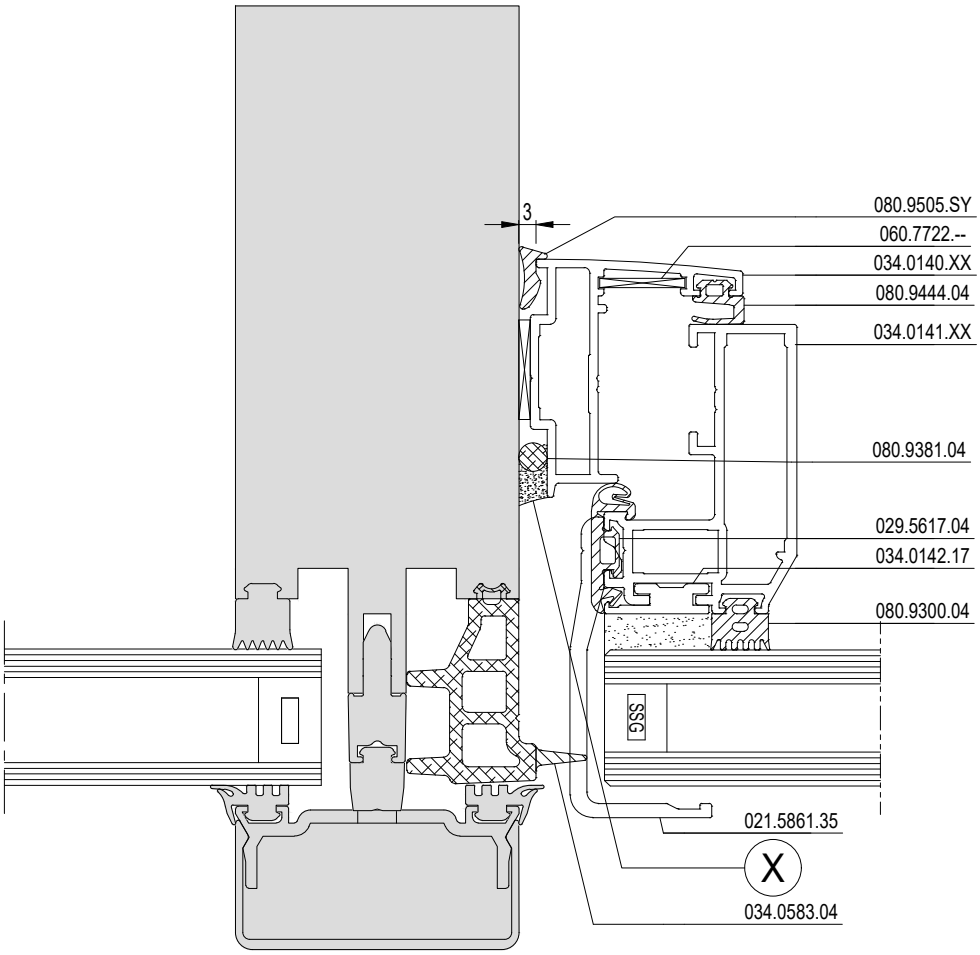
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

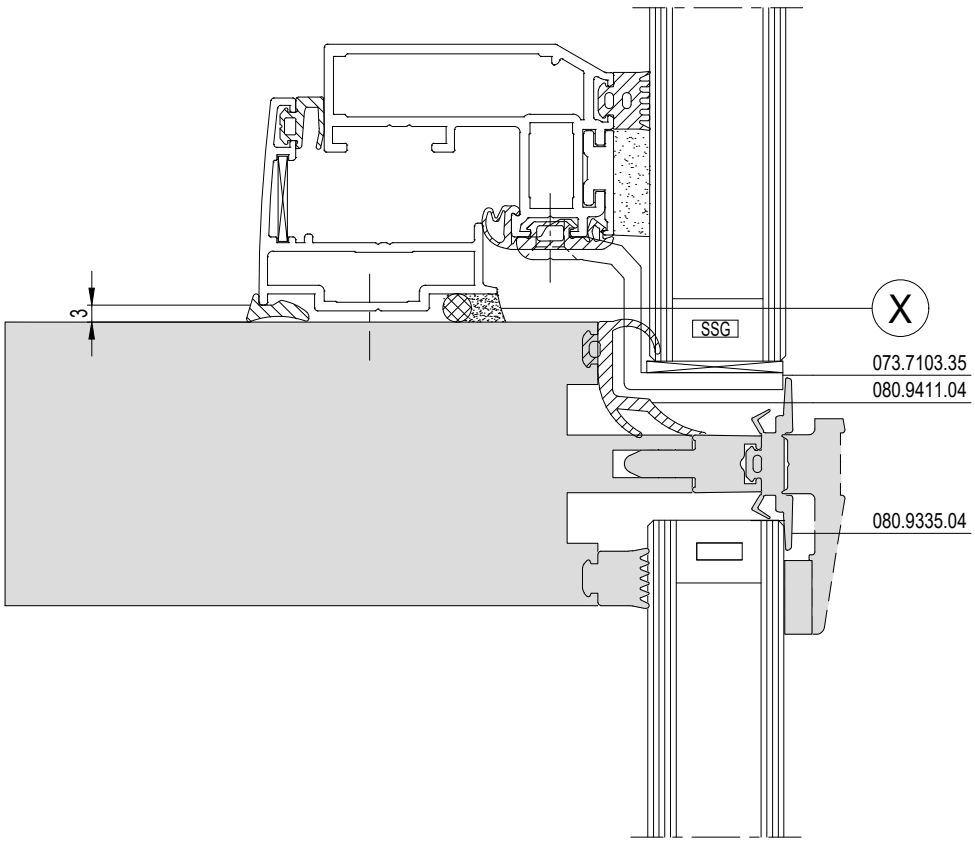
ETAG
002

D

UITZETZAKRAAM FV SG - TT/VL
FENETRE OUVRANT A L'ITALIENNE FV SG-TT/VL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - TT/VL
SENKKLAPPFENSTER FV SG - TT/VL

CW 50-TT



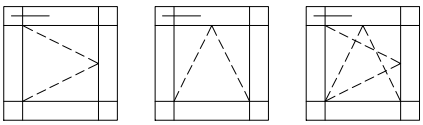


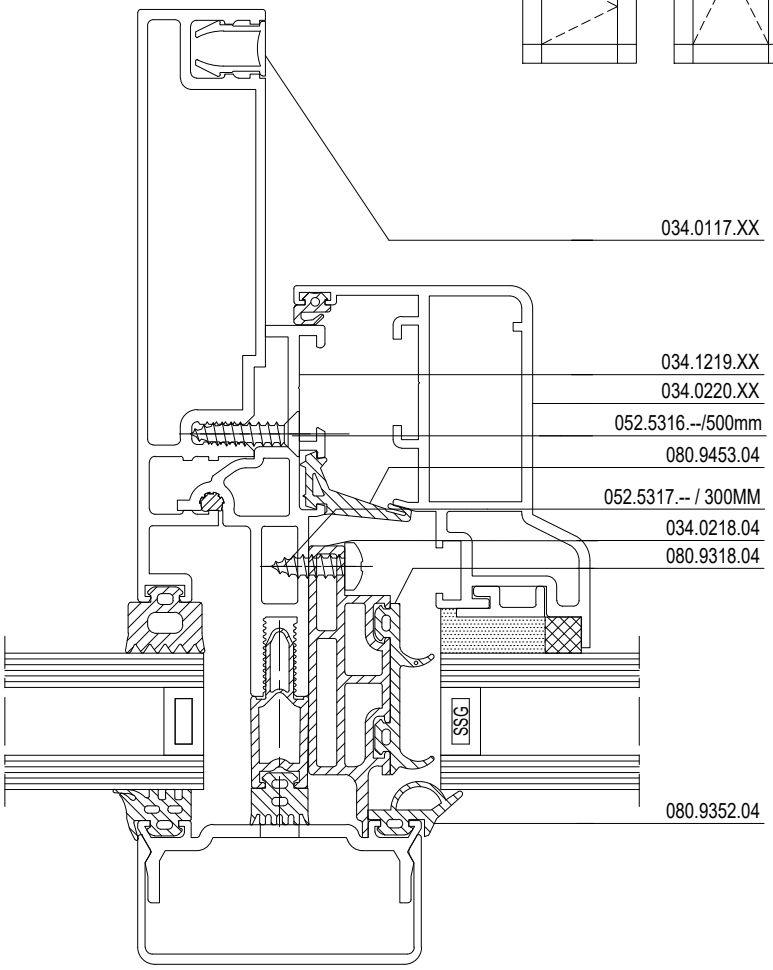
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

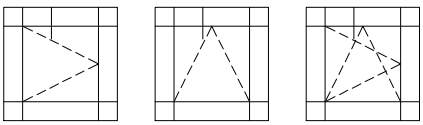
D

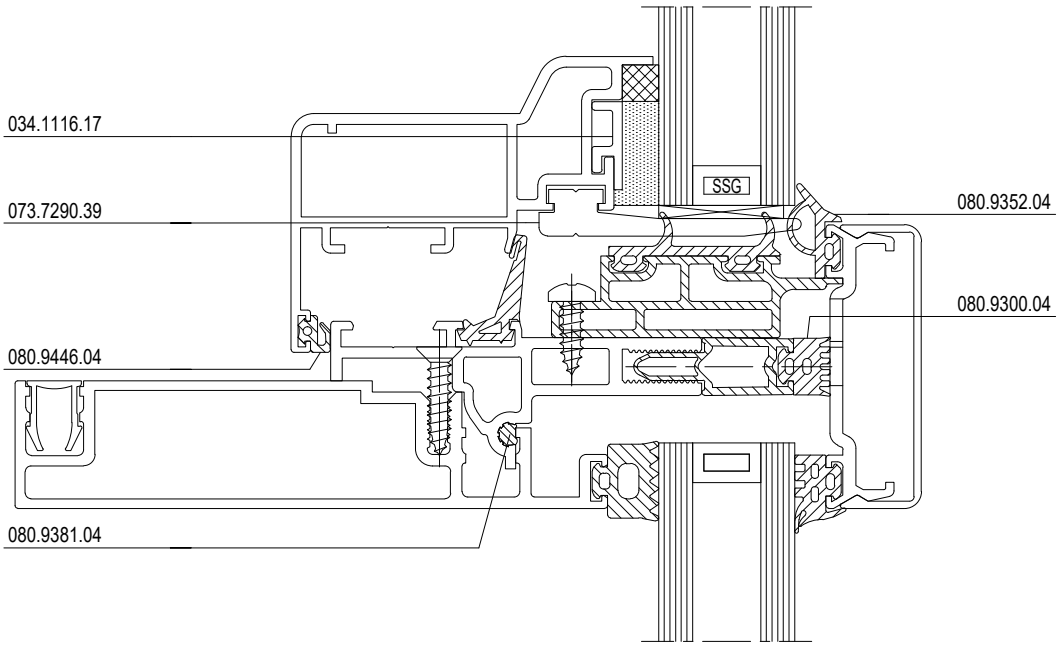
SSG BINNENDR. ELEM. HV
SSG ELEM.OUVERTURE VERS L'INT. HV
SSG INWARD OPENING WINDOW HV
INNEN OEFF. ELEM. HV



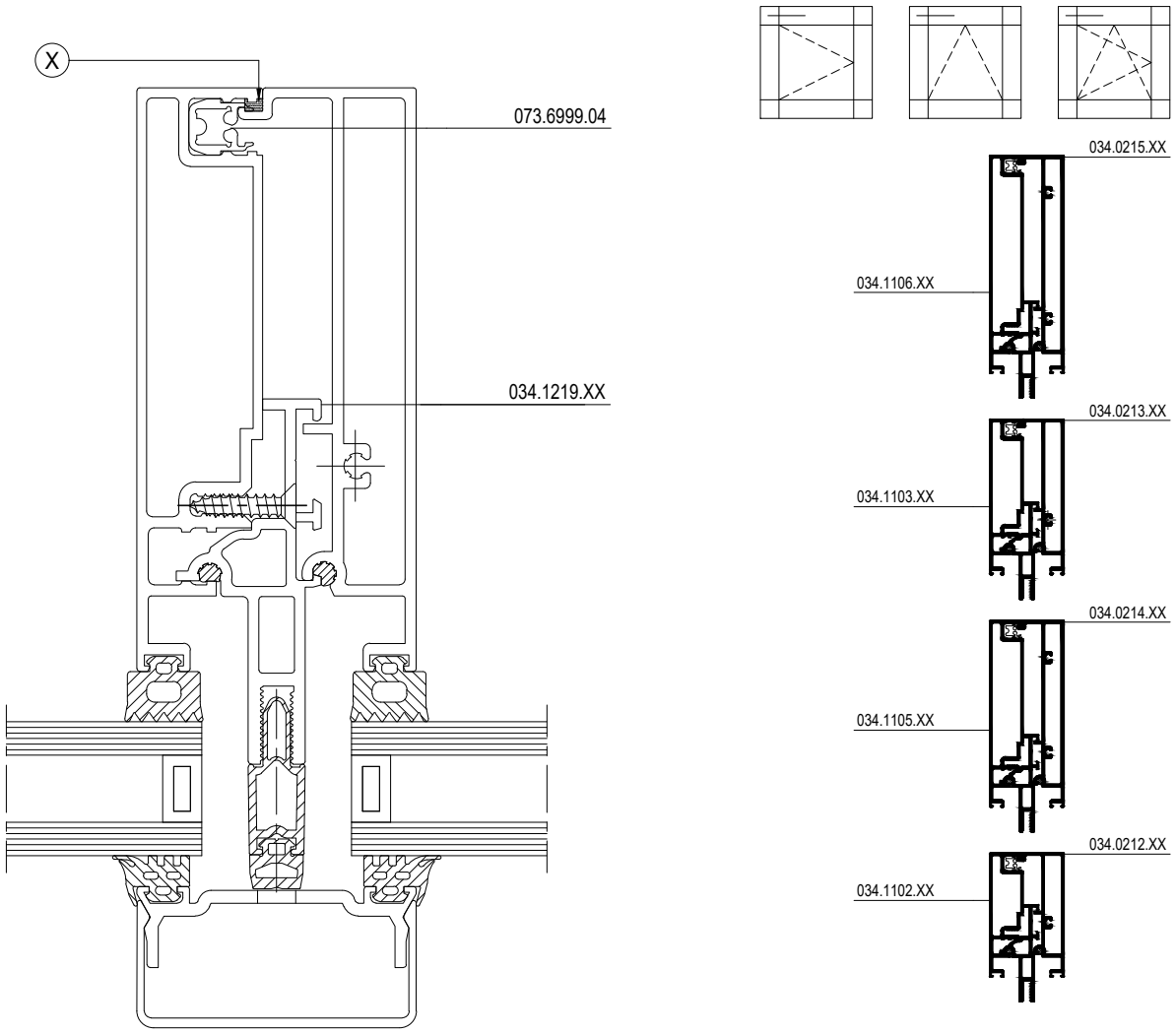


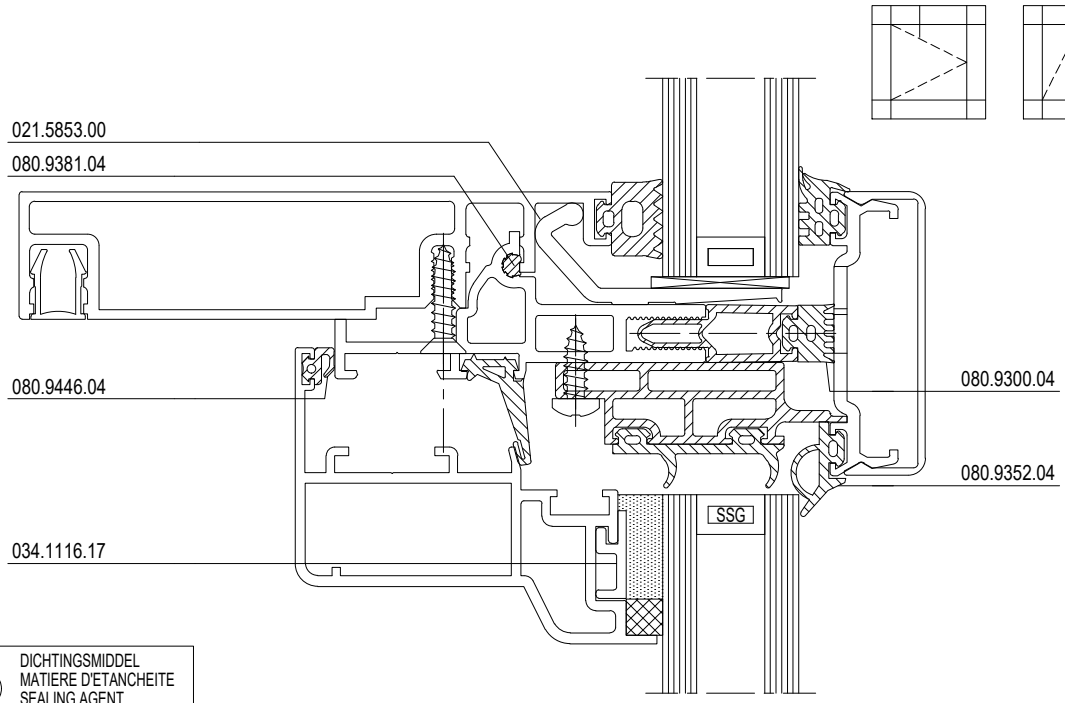
D





SSG BINNENDR. ELEM. HV
SSG ELEM.OUVERTURE VERS L'INT. HV
SSG INWARD OPENING WINDOW HV
INNEN OEFF. ELEM. HV

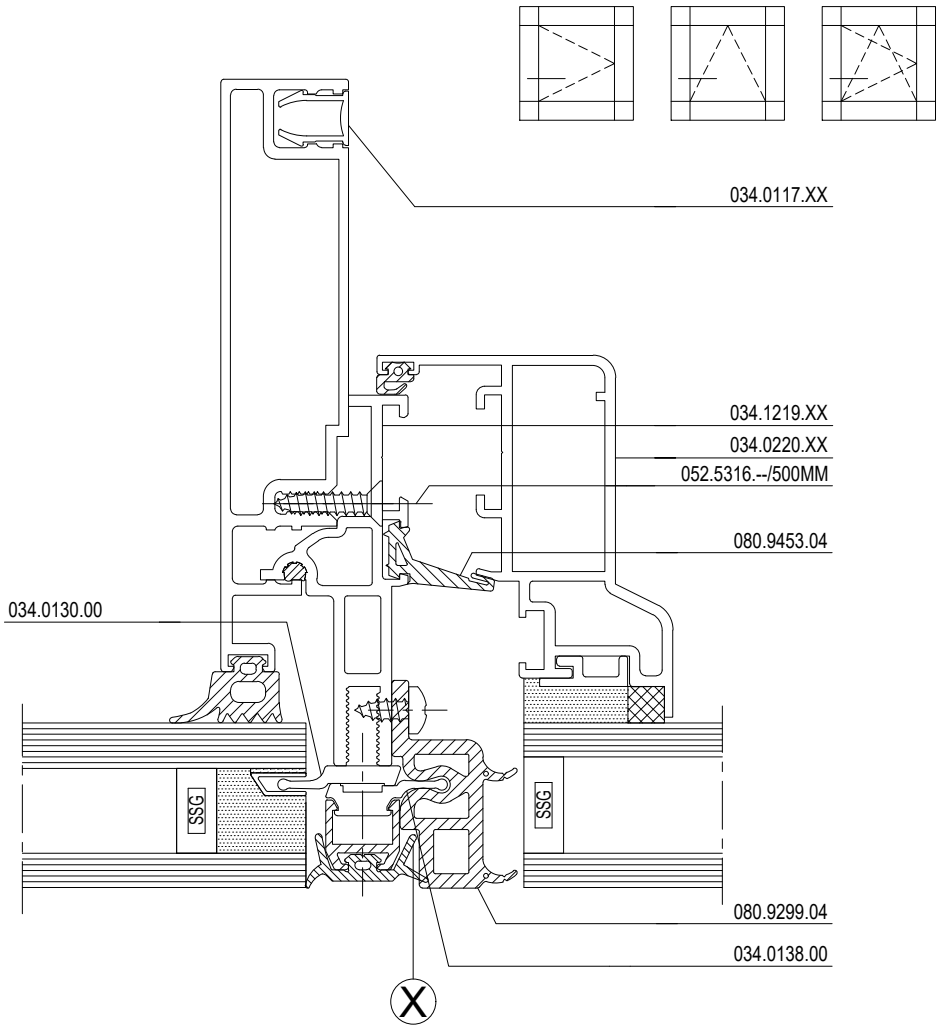


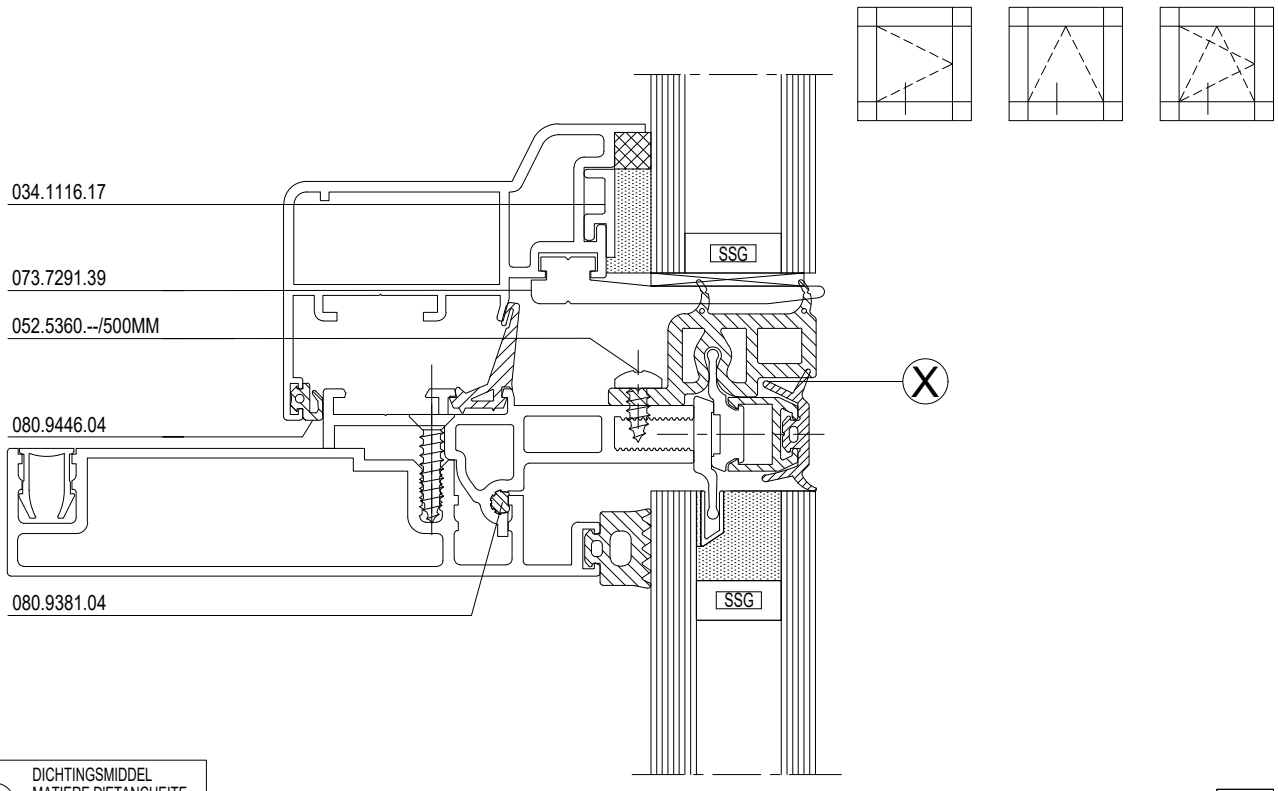


X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

SSG BINNENDR. ELEM. HV - SC
SSG ELEM.OUVERTURE VERS L'INT. HV - SC
SSG INWARD OPENING WINDOW HV - SC
SSG INNEN OEFF. ELEM. HV - SC

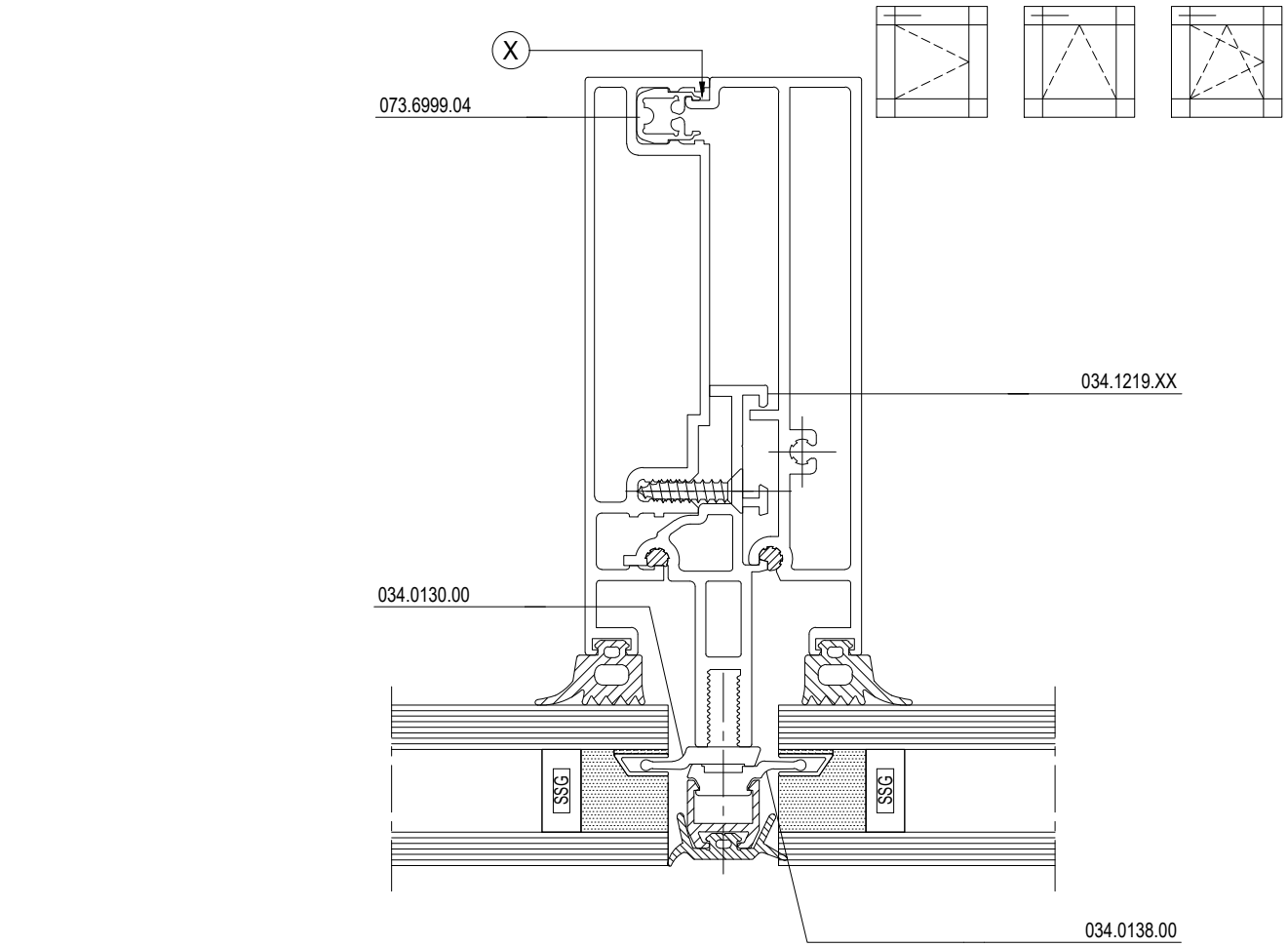


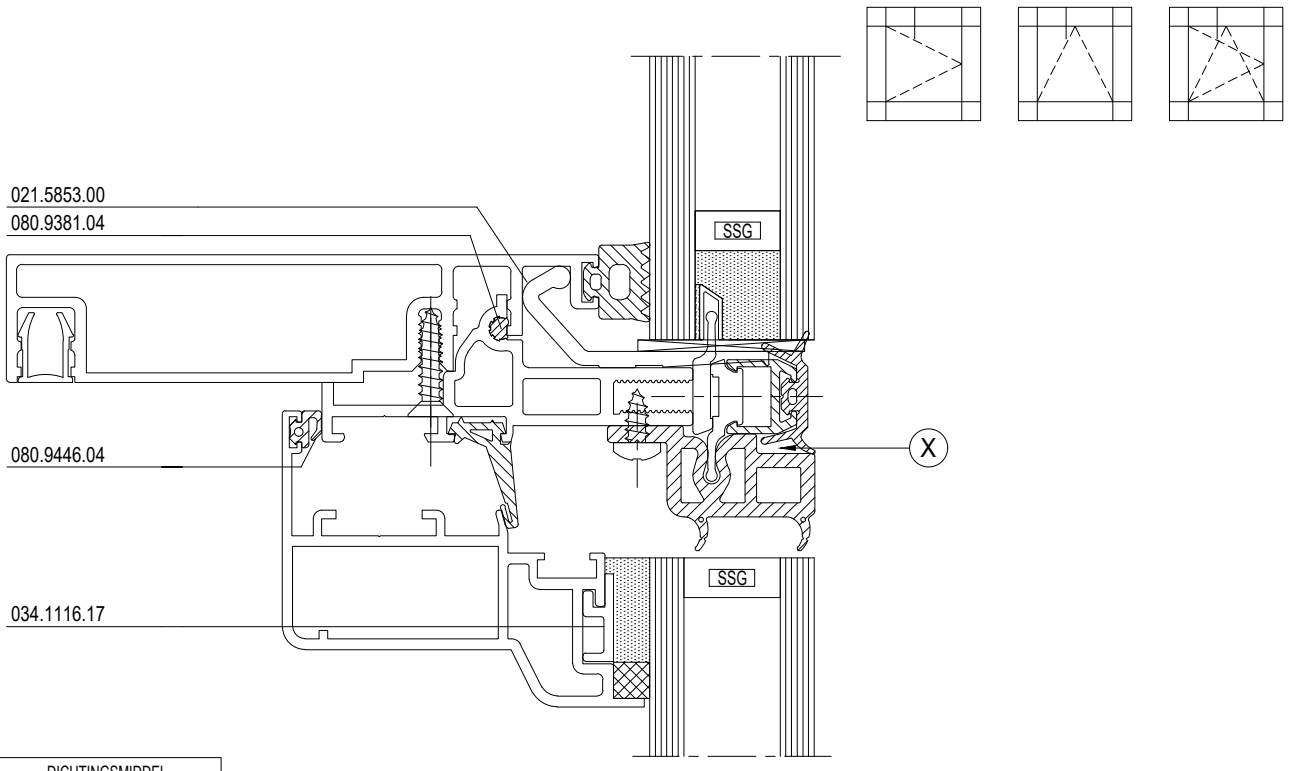


X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

SSG BINNENDR. ELEM. HV - SC
SSG ELEM.OUVERTURE VERS L'INT. HV - SC
SSG INWARD OPENING WINDOW HV - SC
SSG INNEN OEFF. ELEM. HV - SC



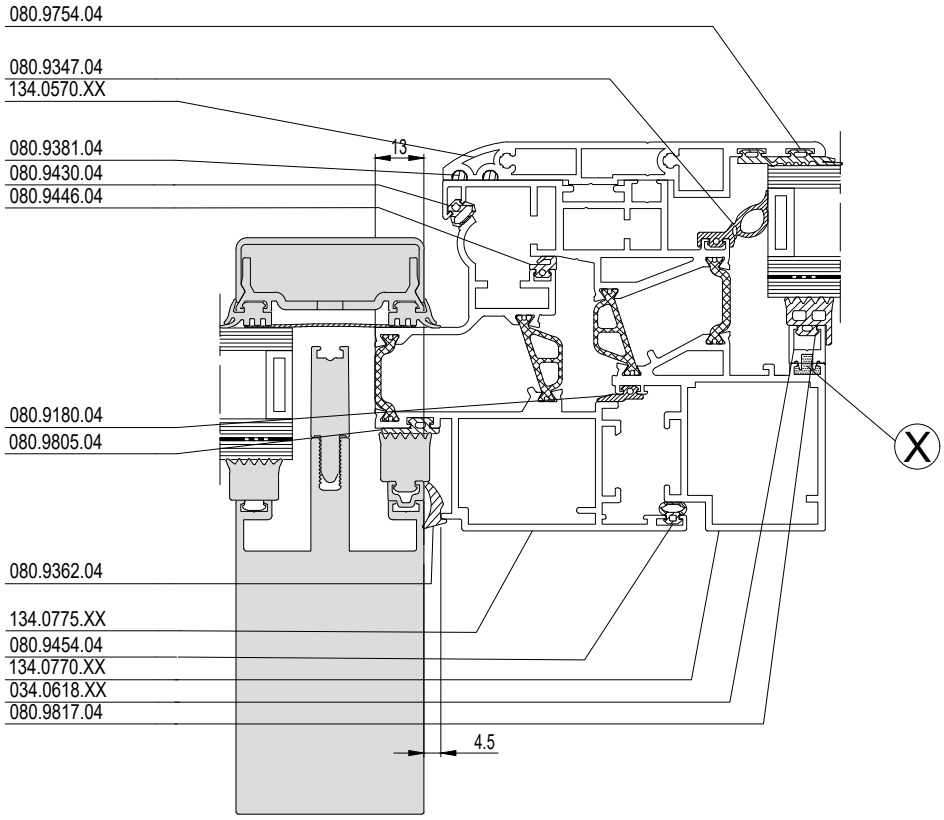


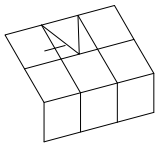
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

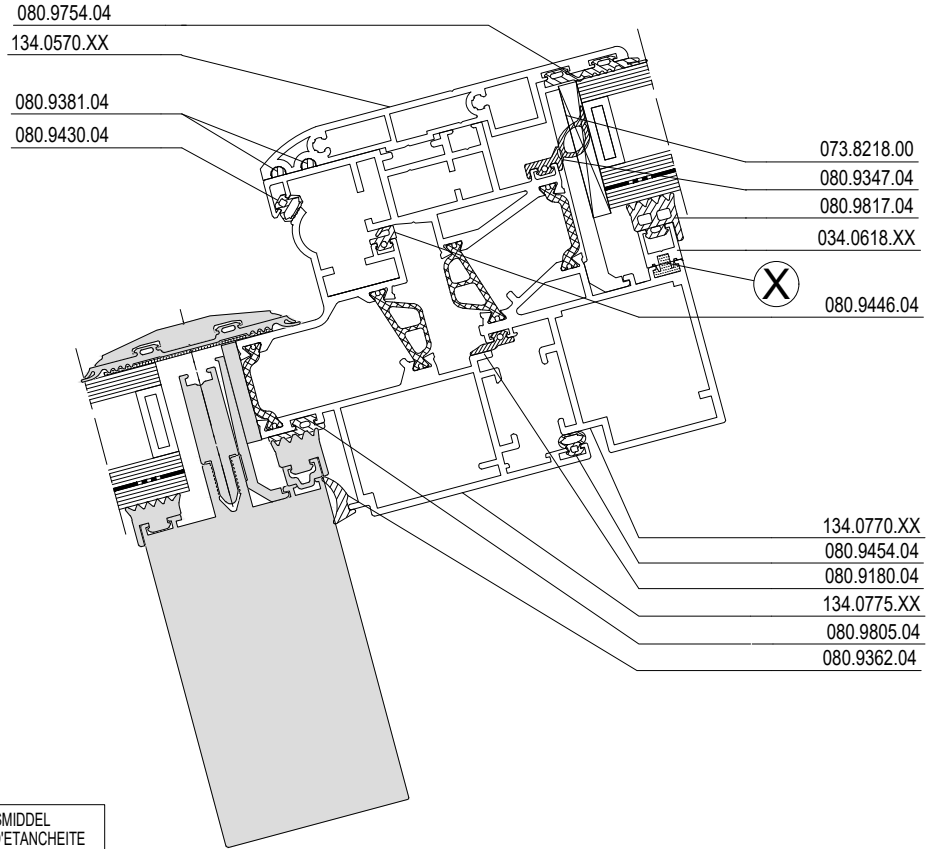
ETAG
002

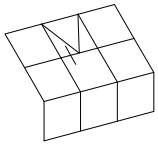
D

DAKRAAM GB
TABATIERE GB
ATTIC WINDOW GB
DACHFENSTER GB



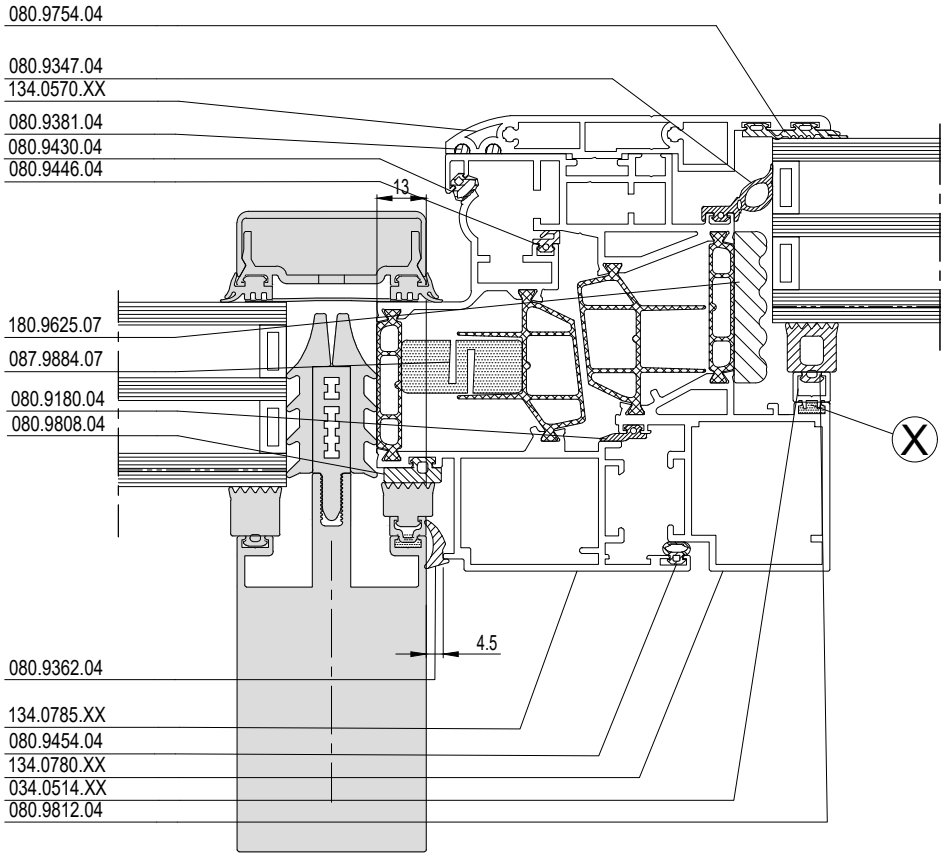


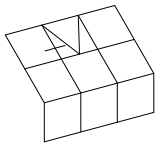


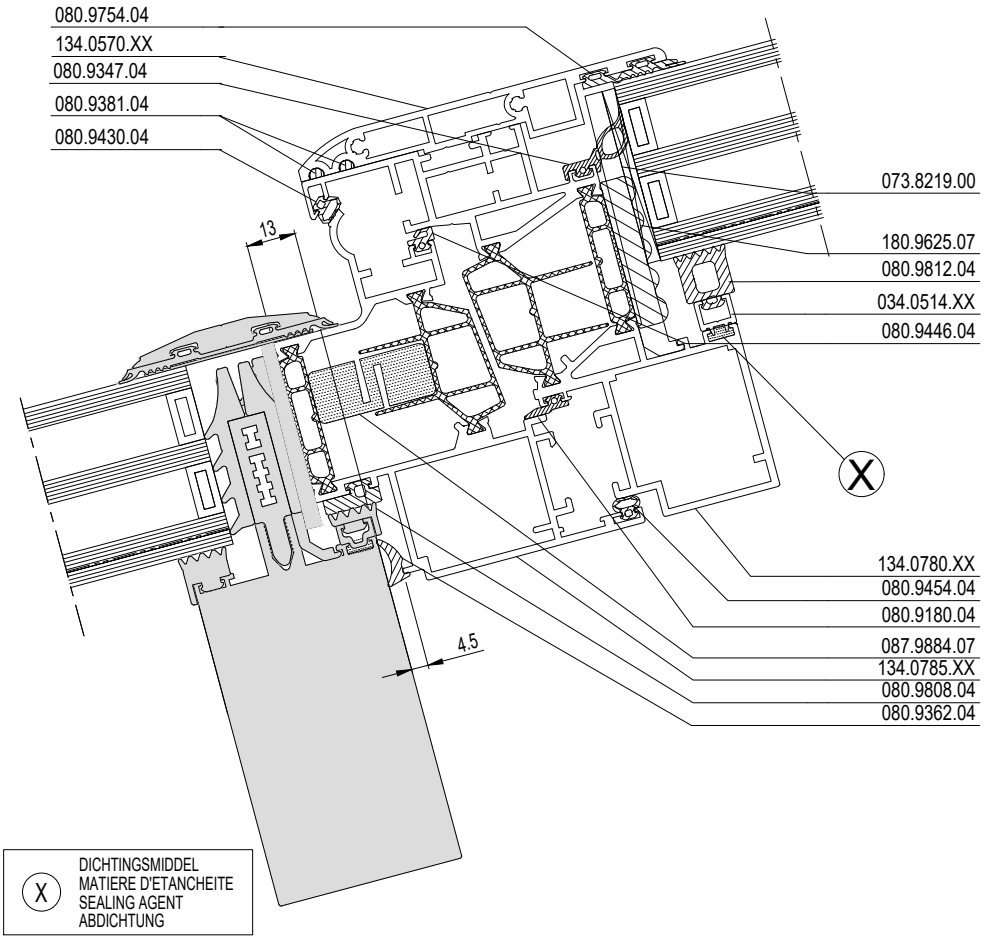


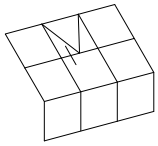
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2





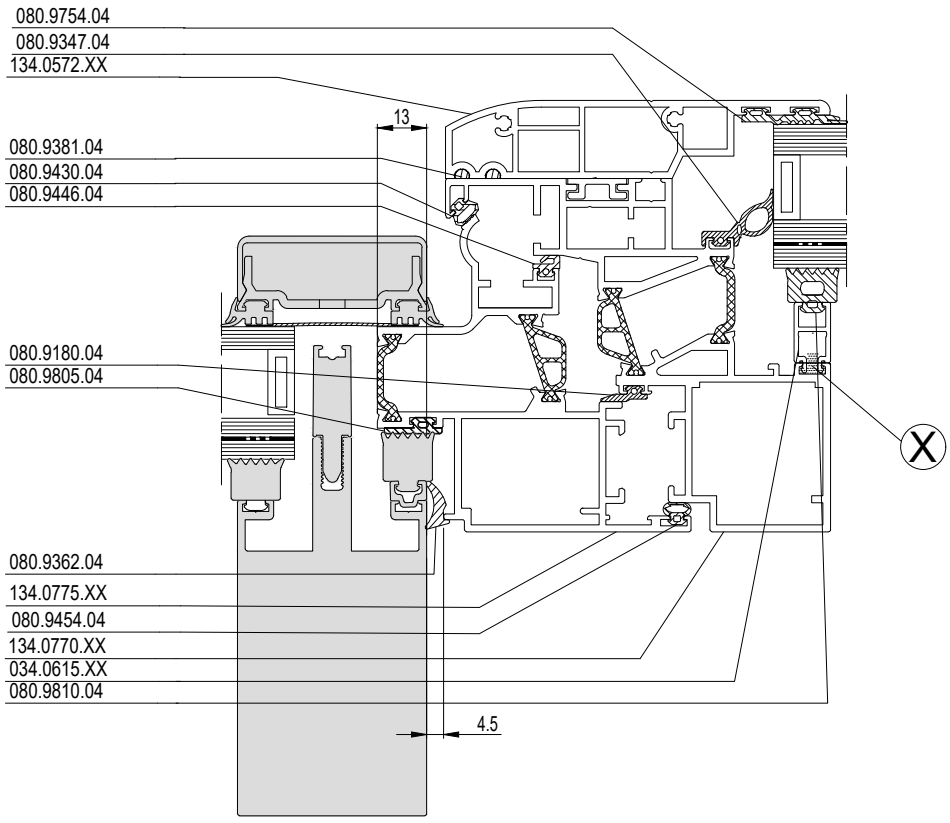


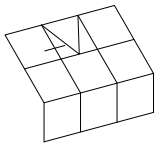


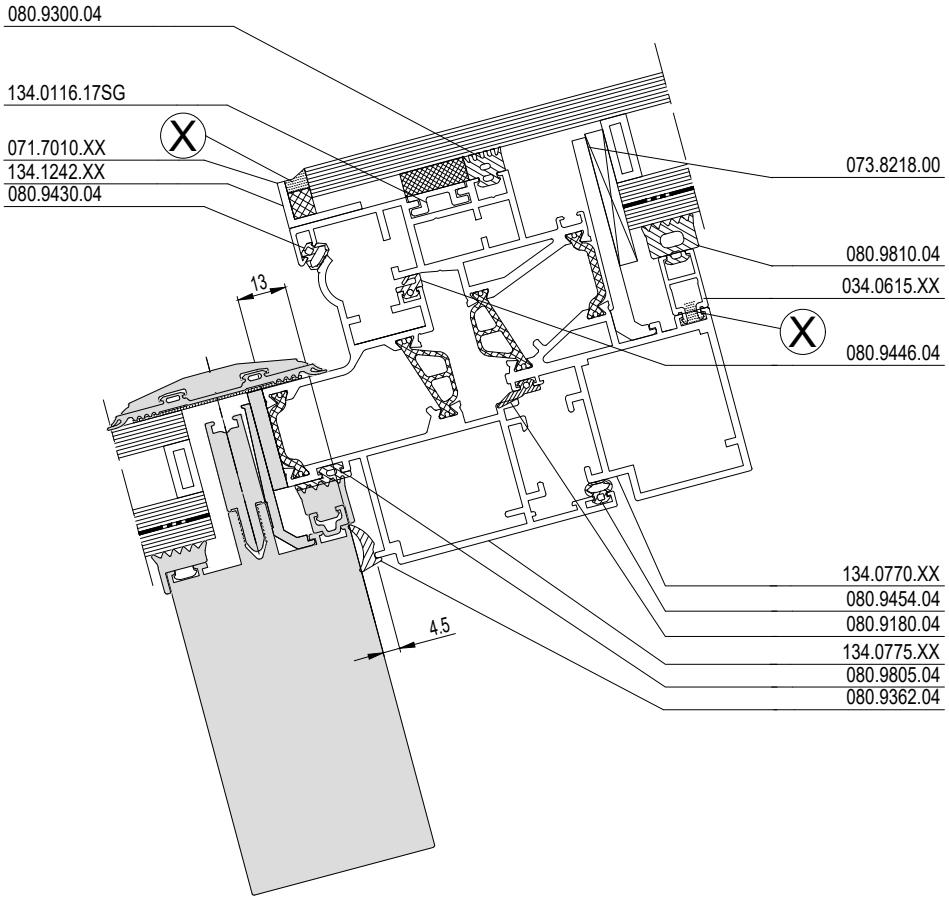
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

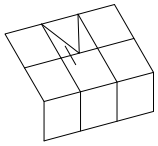
schaal - échelle
scale - Maßstab
1/2

D





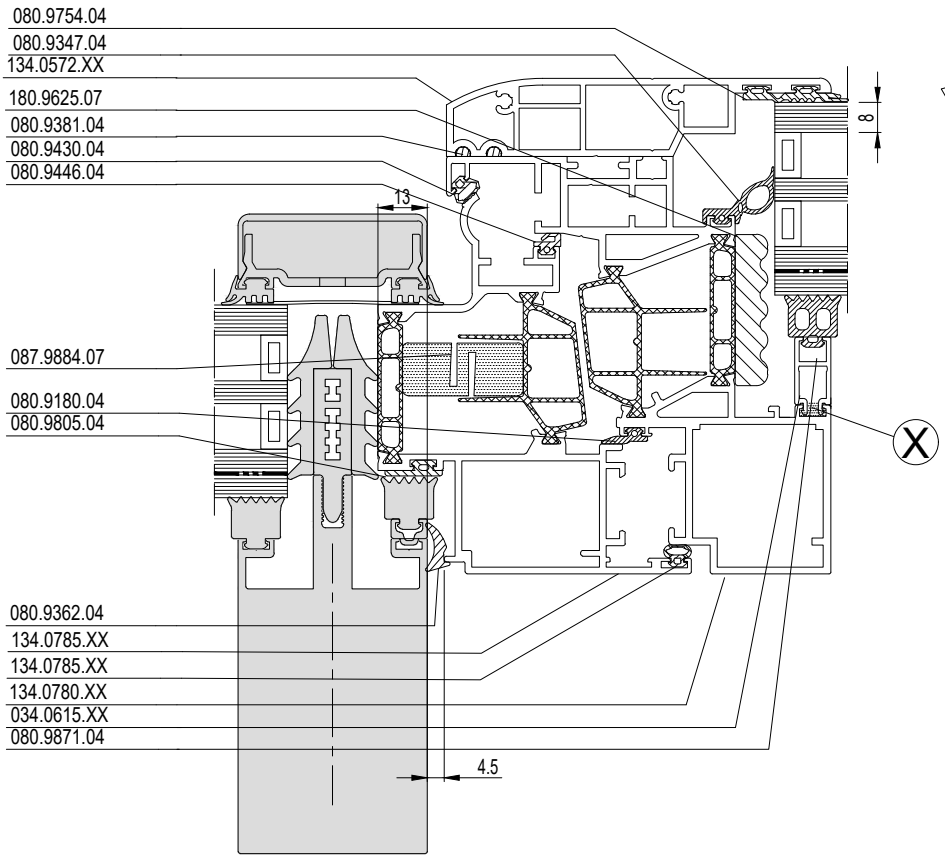


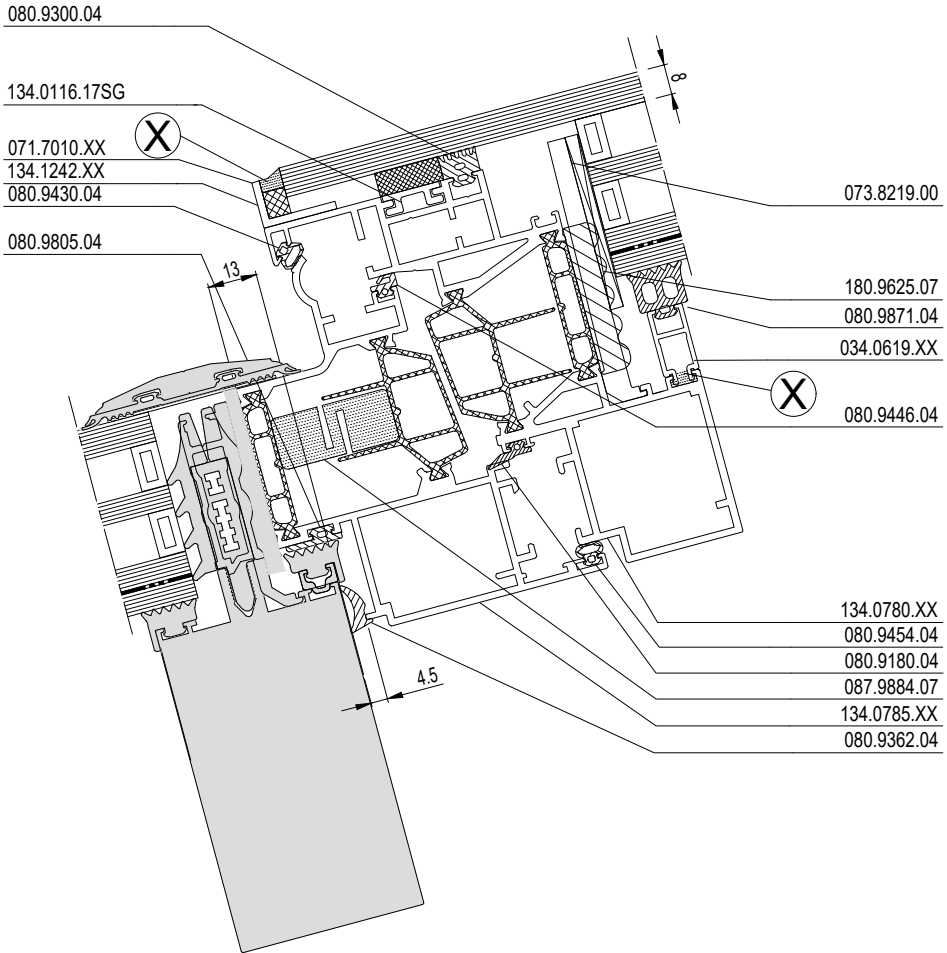


D

X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

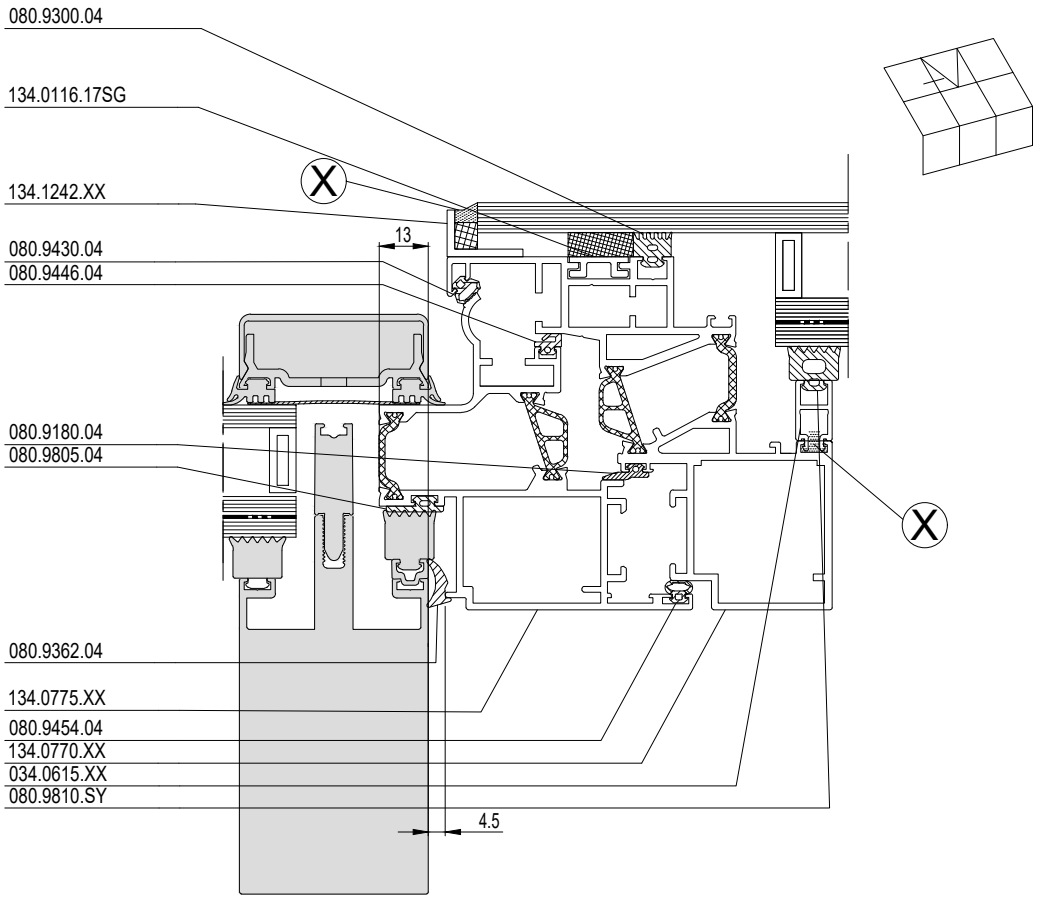


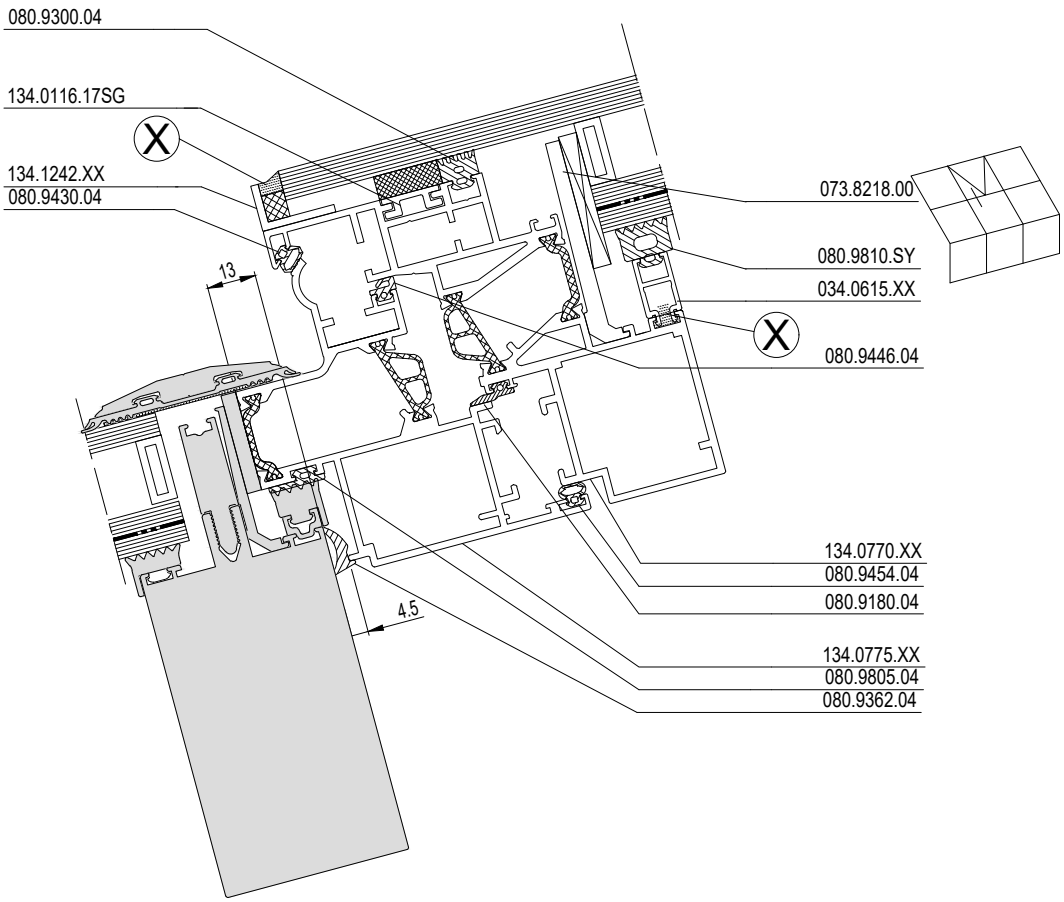


X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG 002

D



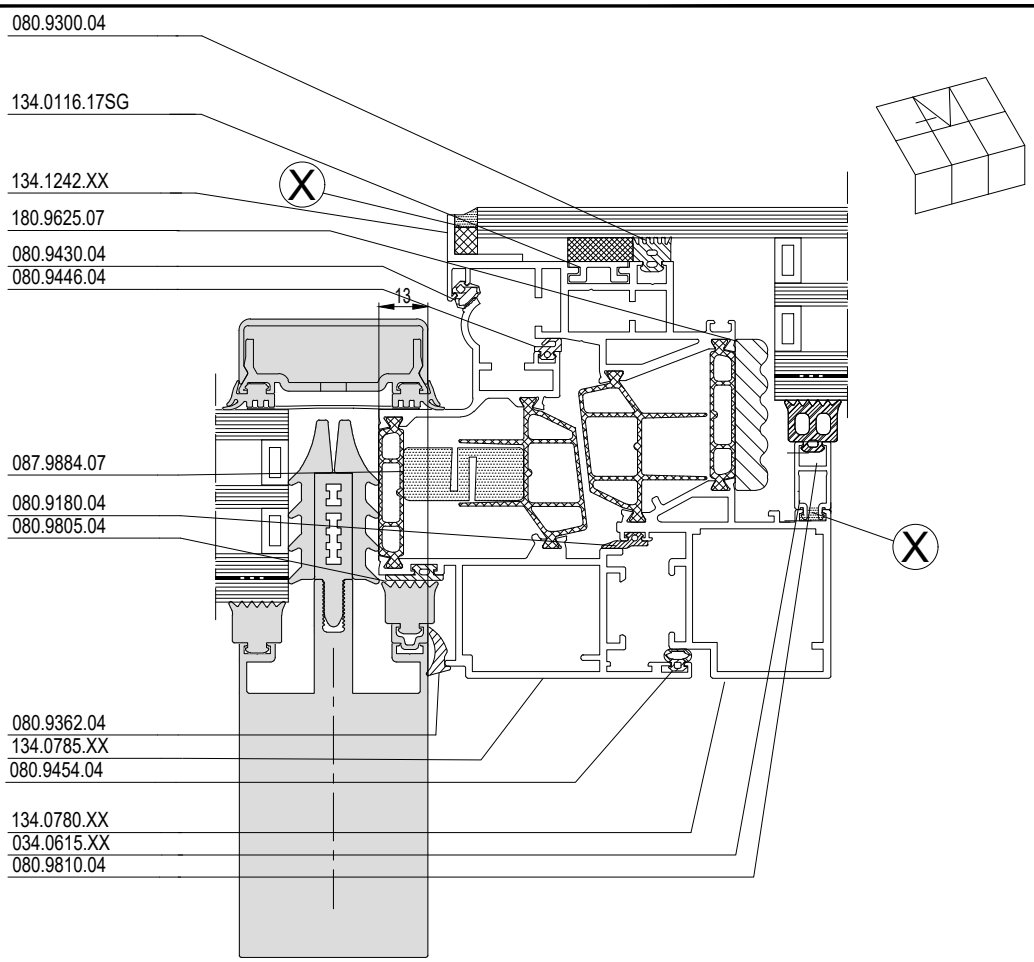


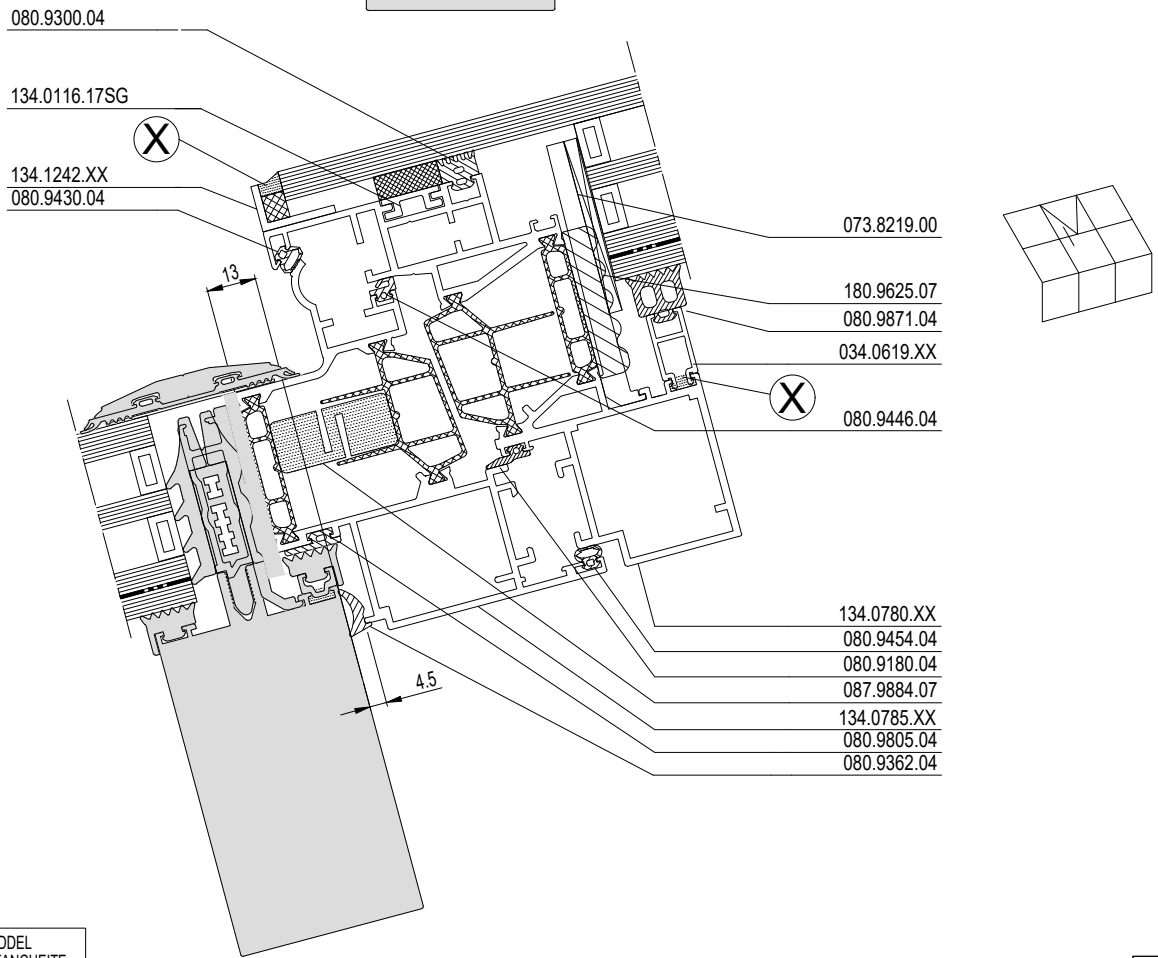
D

X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

DAKRAAM SGS HI
TABATIERE SGS HI
ATTIC WINDOW SGS HI
DACHFENSTER SGS HI



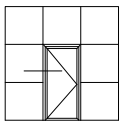


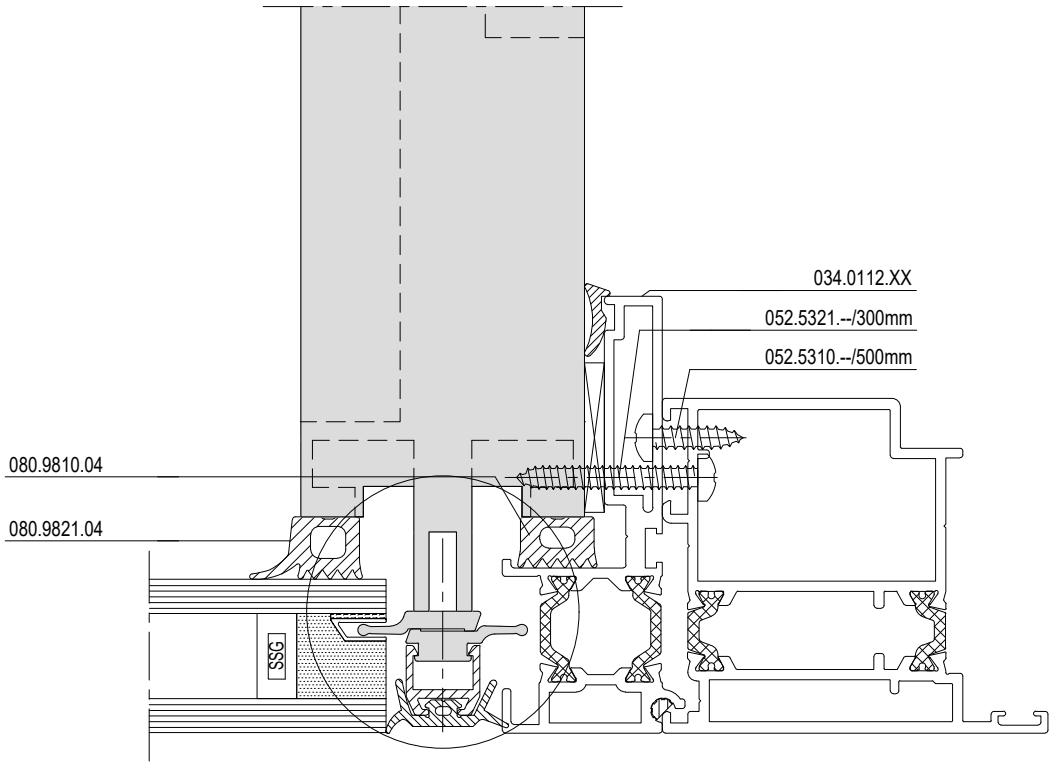
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

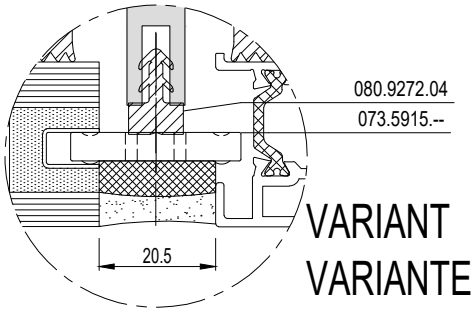
ETAG 002

D

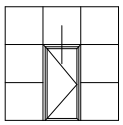
KOPPELING DEUR -SC
ECLISSE DE PORTE -SC
CONNECTION DOOR -SC
TUERANSCHLUSS -SC

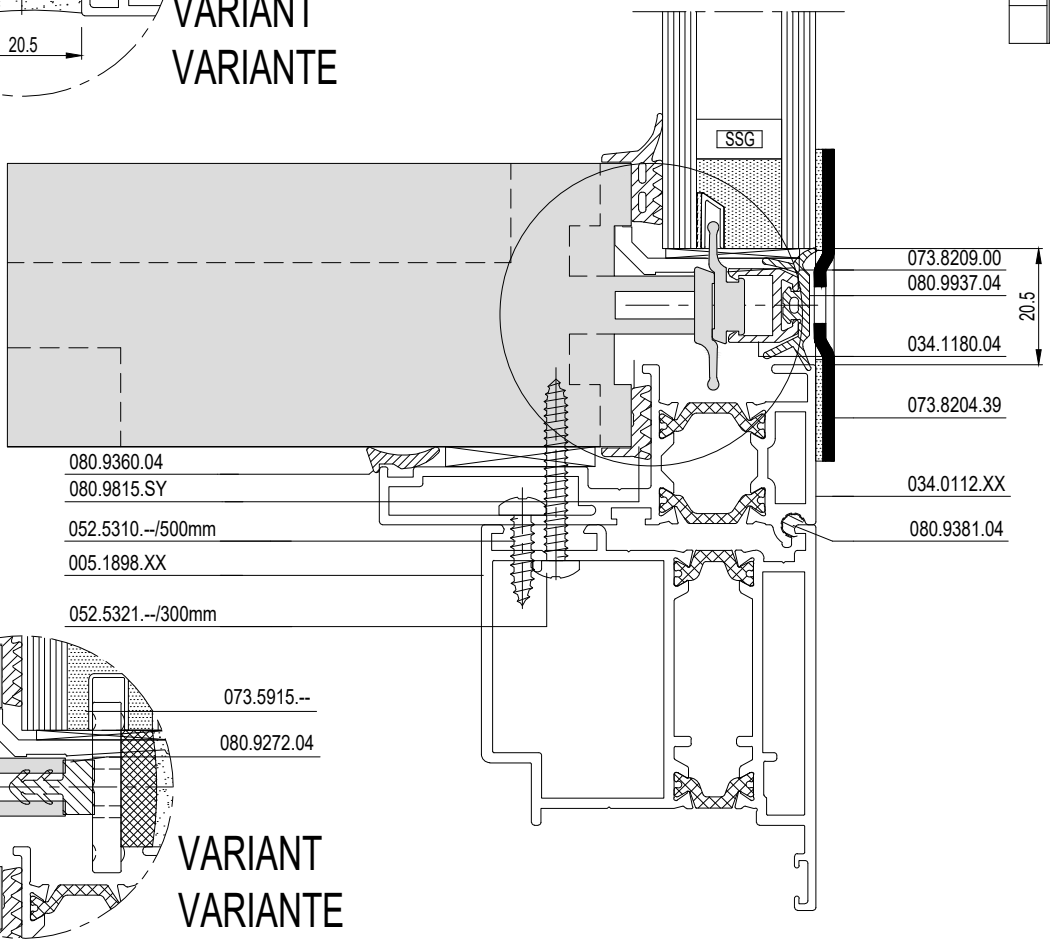


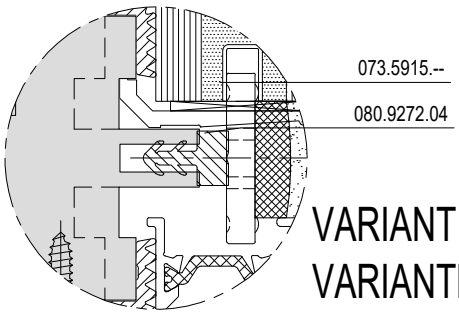




VARIANT
VARIANTE



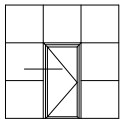


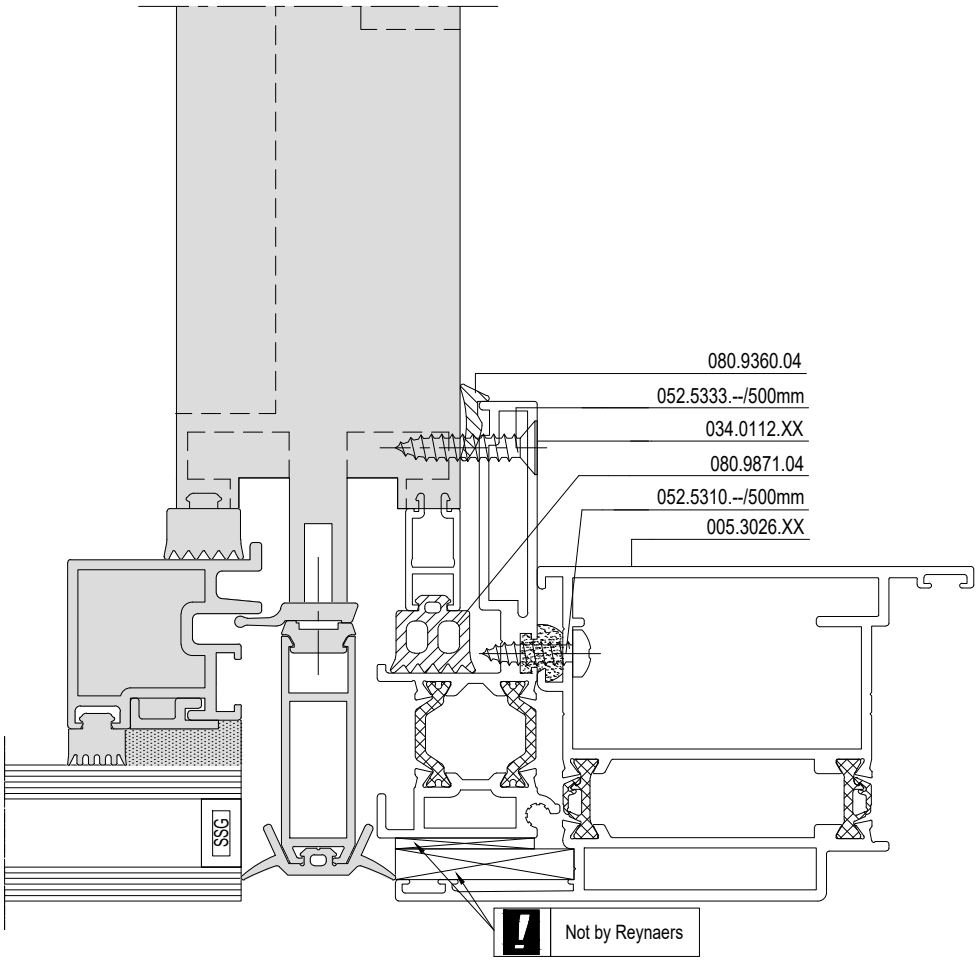


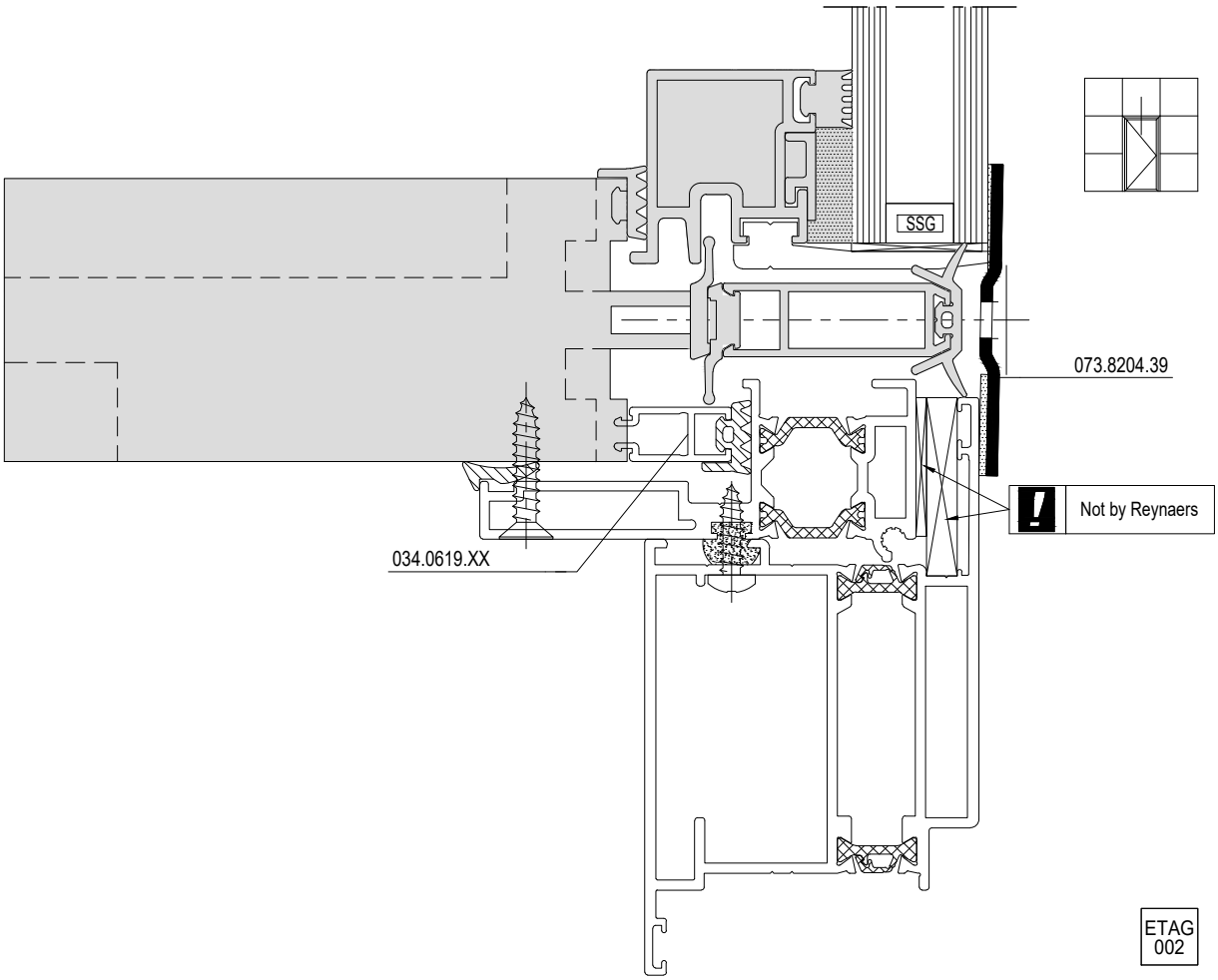
VARIANT
VARIANTE

D

KOPPELING DEUR -SG
ECLISSE DE PORTE -SG
CONNECTION DOOR -SG
TUERANSCHLUSS -SG



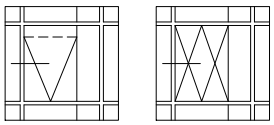


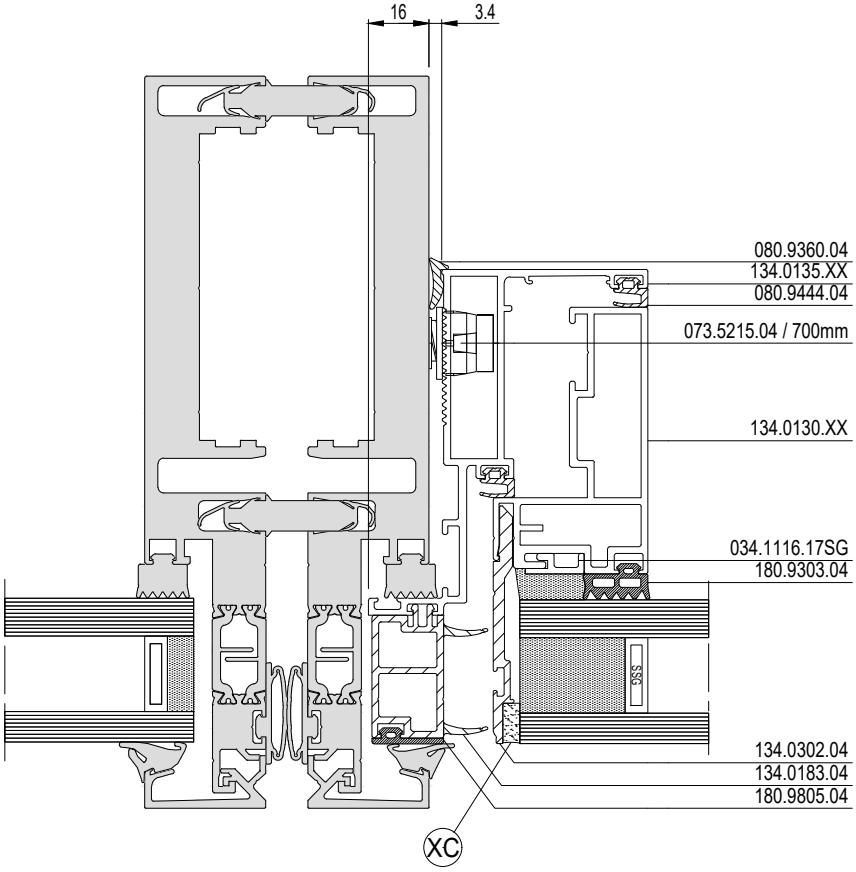


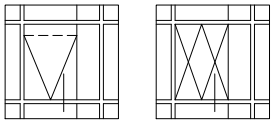
ETAG
002

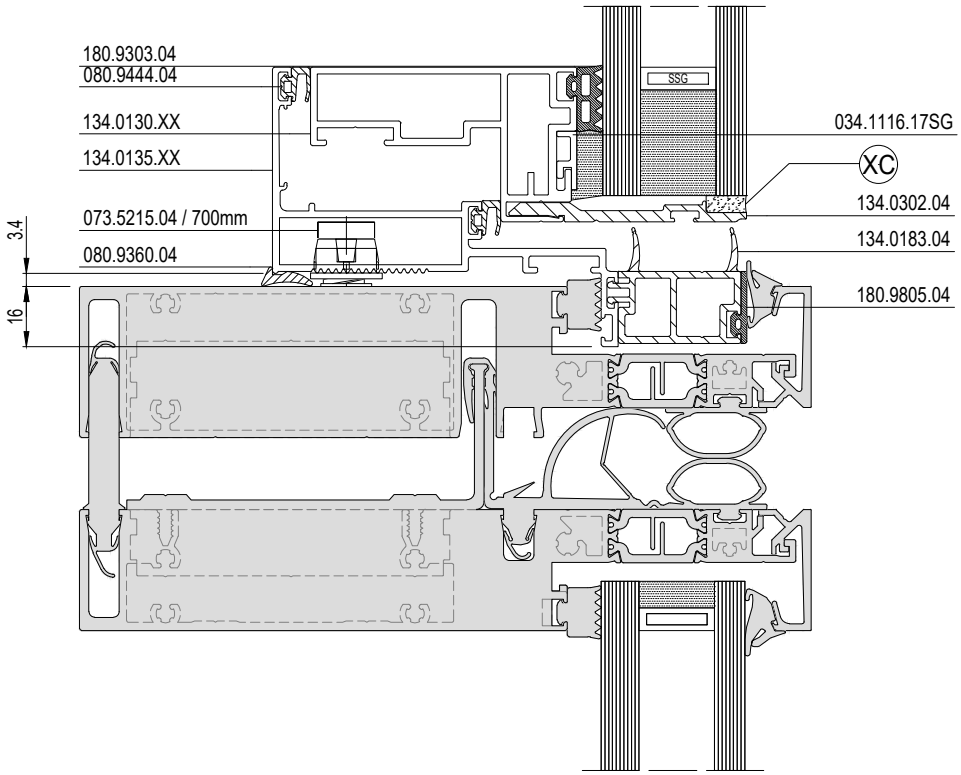
D

BUITENDRAAIEND ELEM - SG - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-GB
OUTWARD OPENING WINDOW - SG - EF 7-GB
AUSSEN OEFF. ELEM. - SG - EF 7-GB







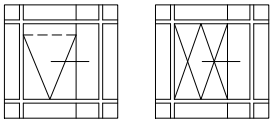


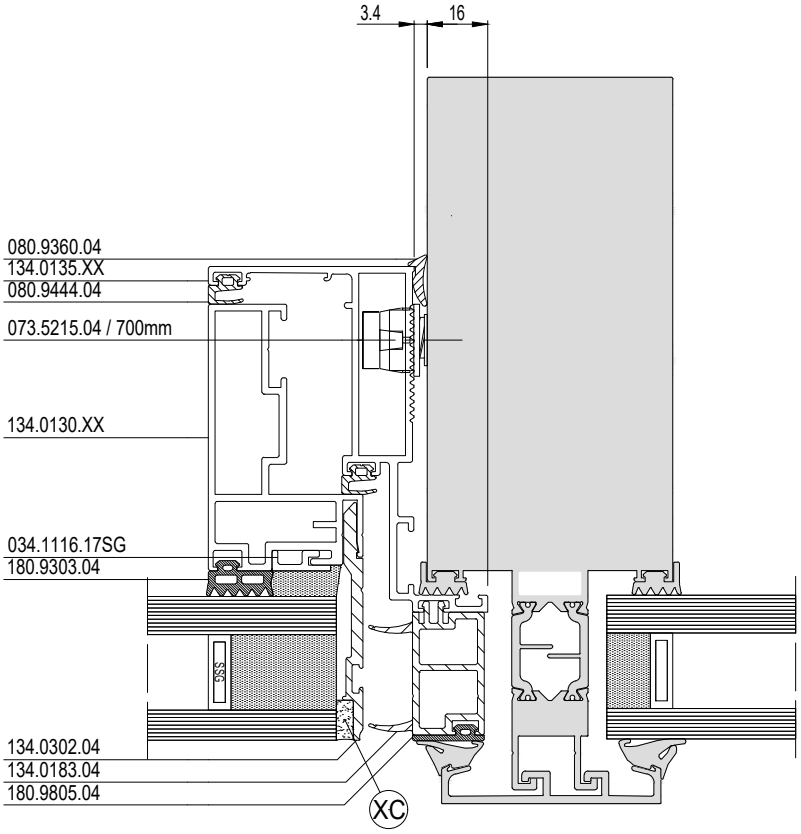
D

XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG
002

BUITENDRAAIEND ELEM - SG - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-GB
OUTWARD OPENING WINDOW - SG - EF 7-GB
AUSSEN OEFF. ELEM. - SG - EF 7-GB



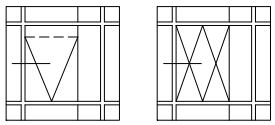


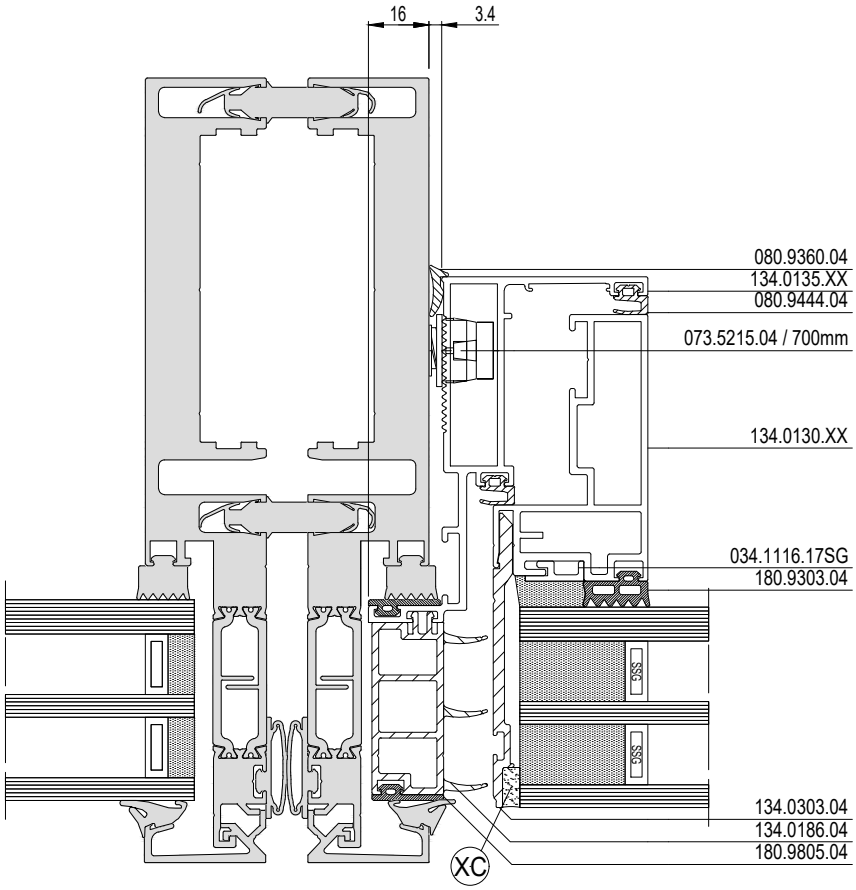
D

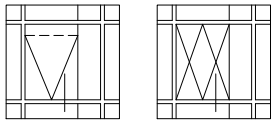
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

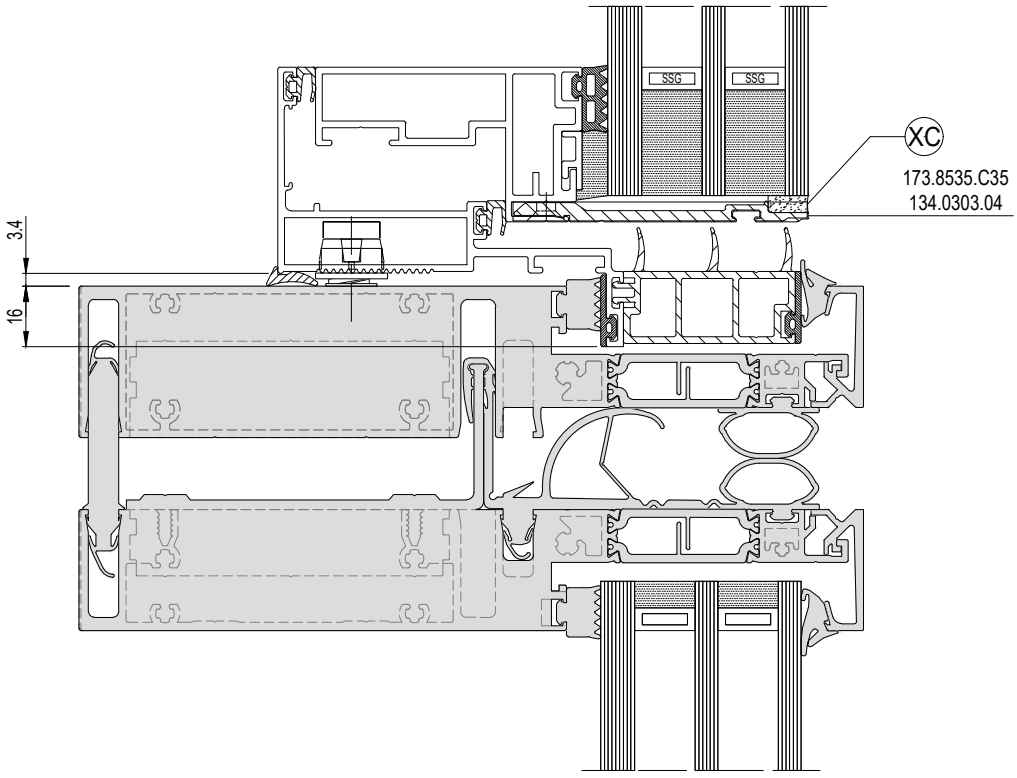
ETAG 002

BUITENDRAAIEND ELEM - SG - EF 7-GB/HI
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-GB/HI
OUTWARD OPENING WINDOW - SG - EF 7-GB/HI
AUSSEN OEFF. ELEM. - SG - EF 7-GB/HI







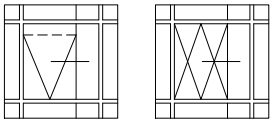


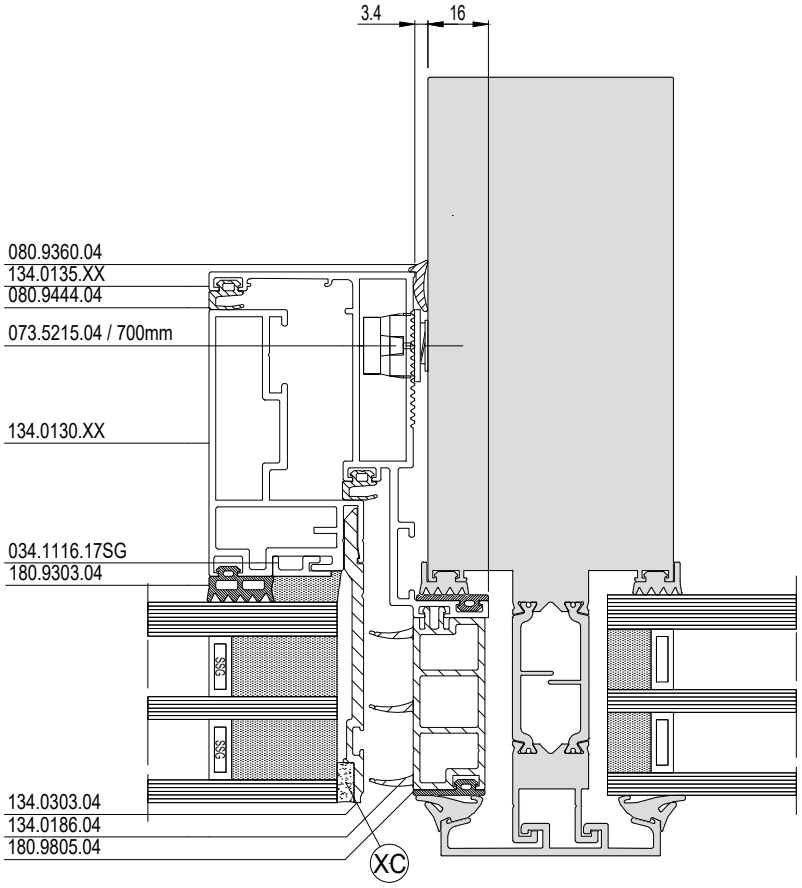
D

XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

ETAG
002

BUITENDRAAIEND ELEM - SG - EF 7-GB/HI
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-GB/HI
OUTWARD OPENING WINDOW - SG - EF 7-GB/HI
AUSSEN OEFF. ELEM. - SG - EF 7-GB/HI



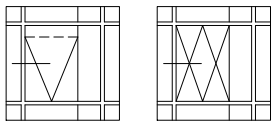


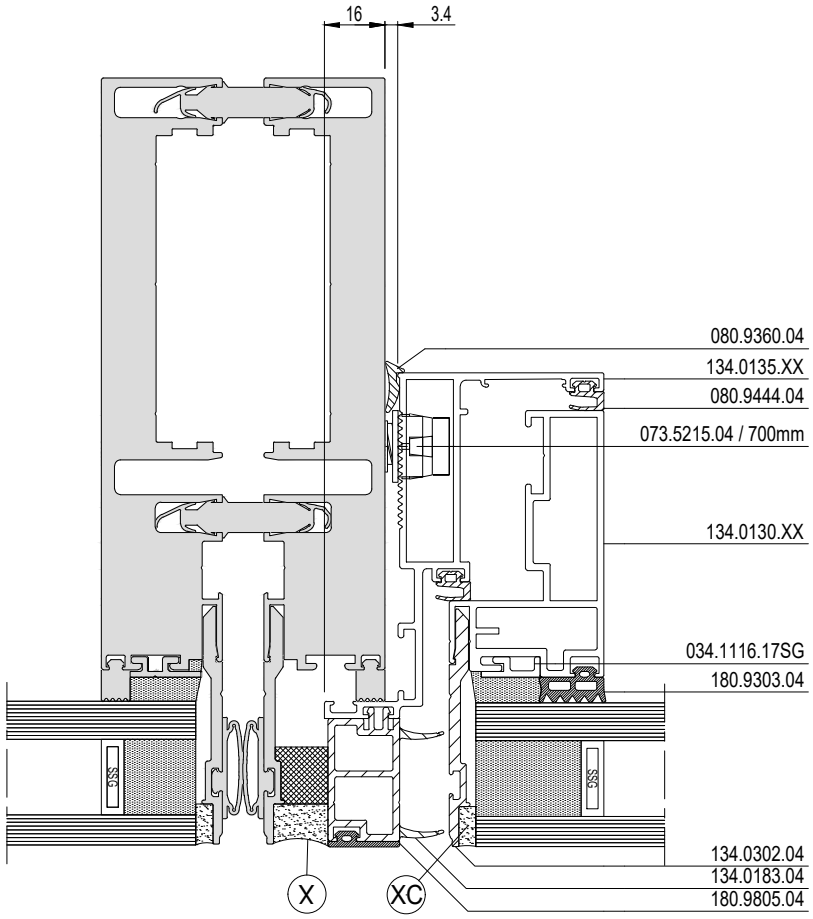
D

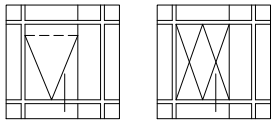
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

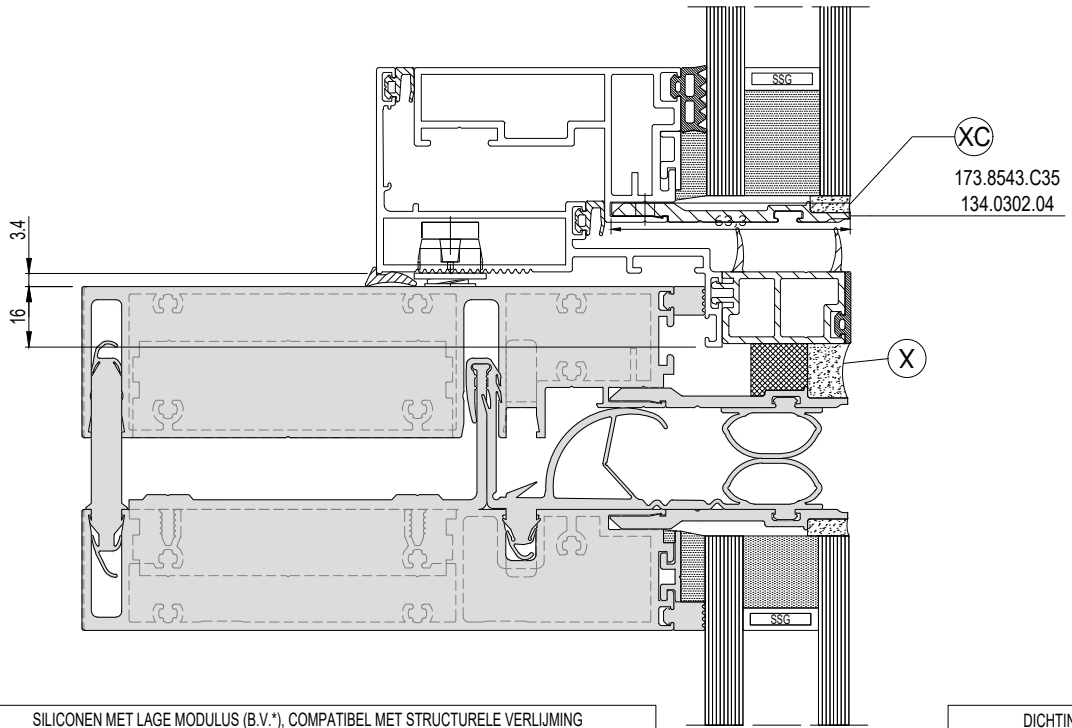
ETAG 002

BUITENDRAAIEND ELEM - SG - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-SG
OUTWARD OPENING WINDOW - SG - EF 7-SG
AUSSEN OEFF. ELEM. - SG - EF 7-SG







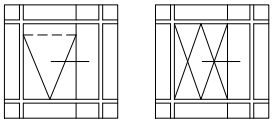


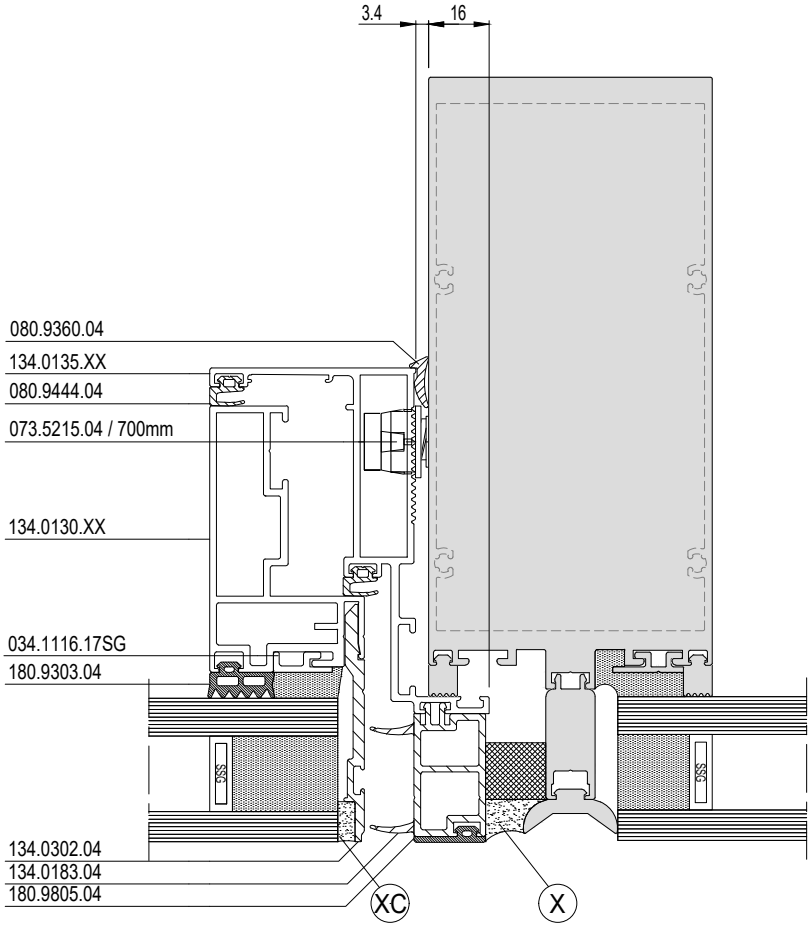
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

BUITENDRAAIEND ELEM - SG - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-SG
OUTWARD OPENING WINDOW - SG - EF 7-SG
AUSSEN OEFF. ELEM. - SG - EF 7-SG



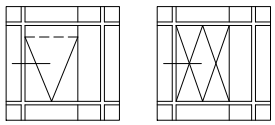


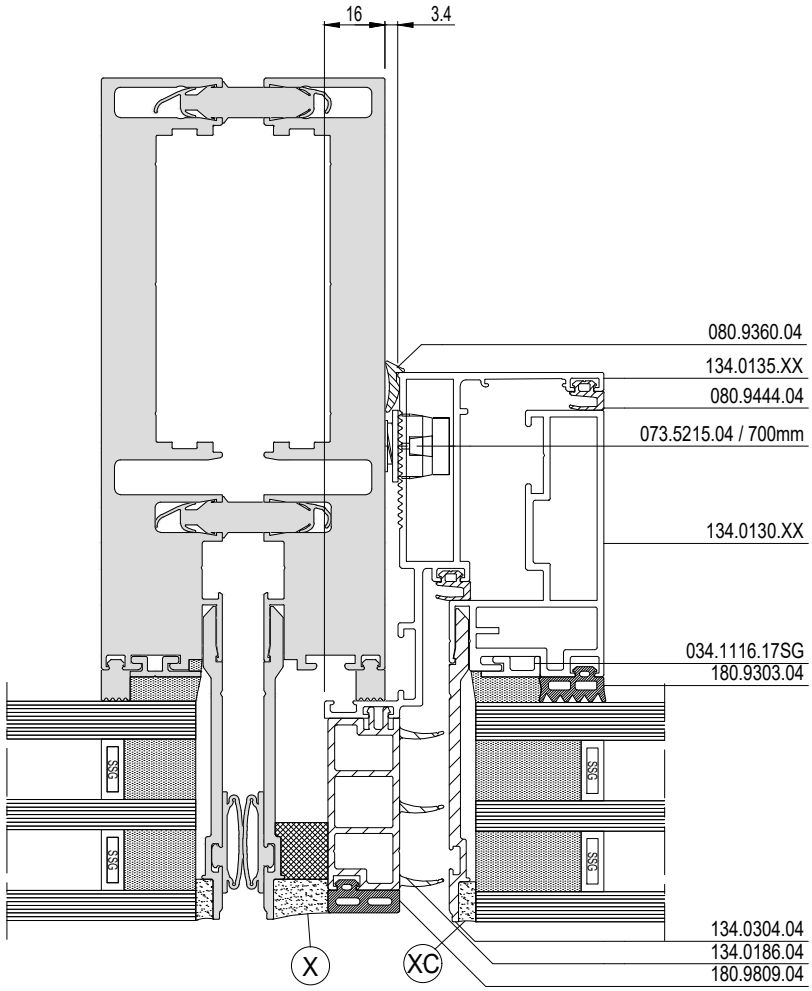
D

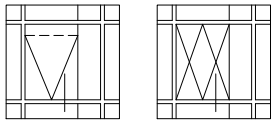
(XC) SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

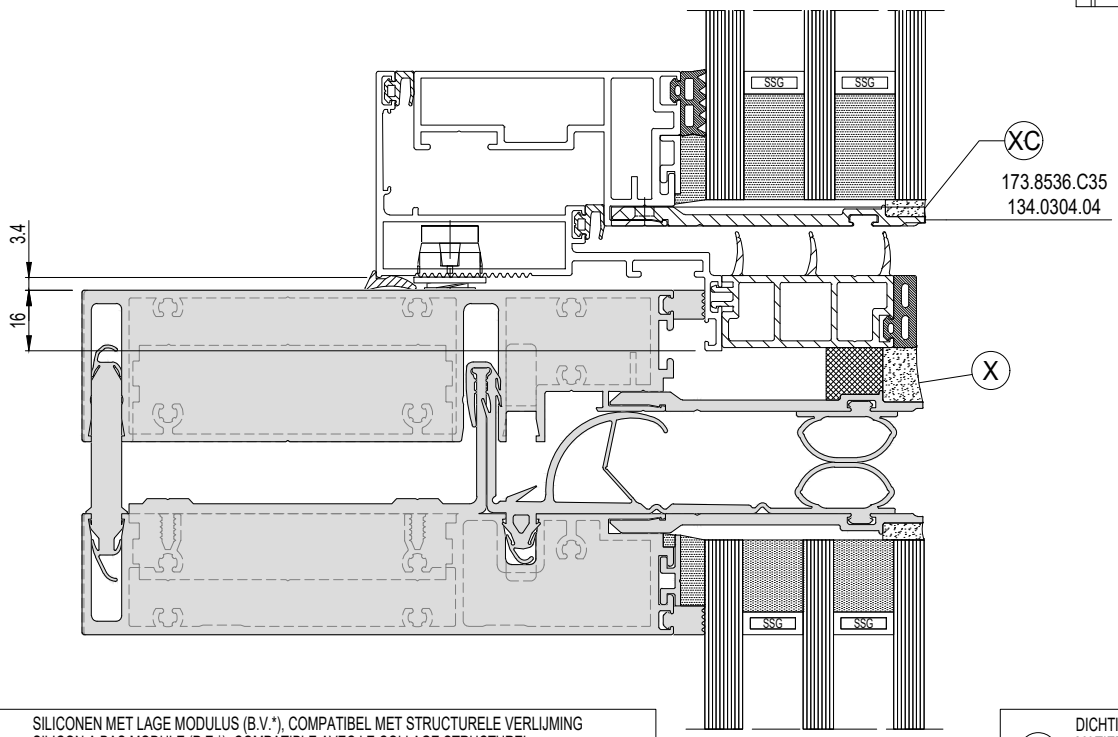
ETAG 002

BUITENDRAAIEND ELEM - SG - EF 7-SG/HI
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-SG/HI
OUTWARD OPENING WINDOW - SG - EF 7-SG/HI
AUSSEN OEFF. ELEM. - SG - EF 7-SG/HI







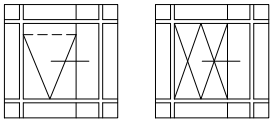


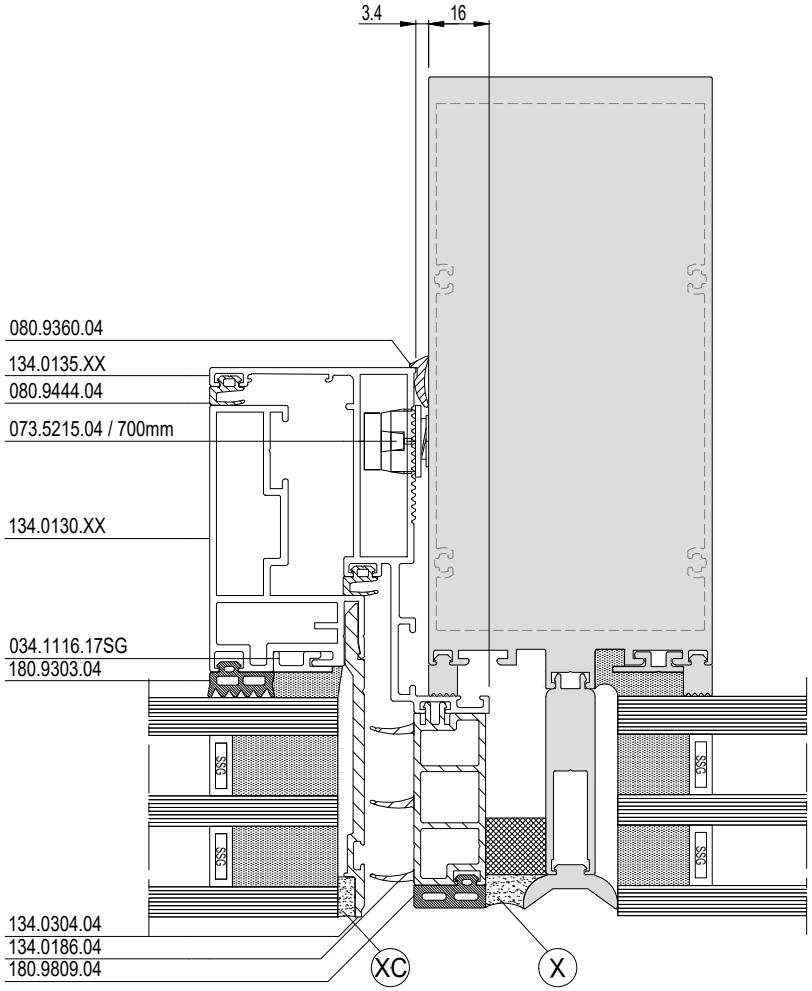
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

BUITENDRAAIEND ELEM - SG - EF 7-SG/HI
ELEM.OUVERTURE VERS L'EXT. - SG - EF 7-SG/HI
OUTWARD OPENING WINDOW - SG - EF 7-SG/HI
AUSSEN OEFF. ELEM. - SG - EF 7-SG/HI





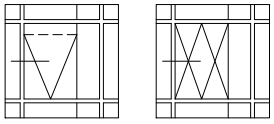
D

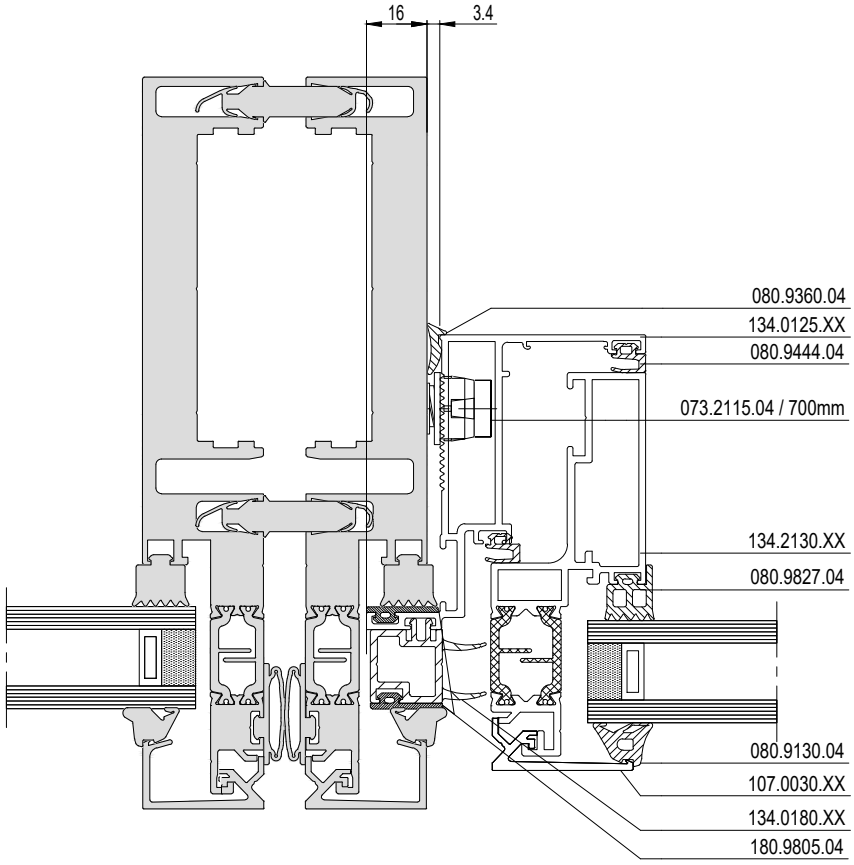
XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

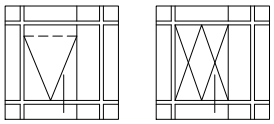
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

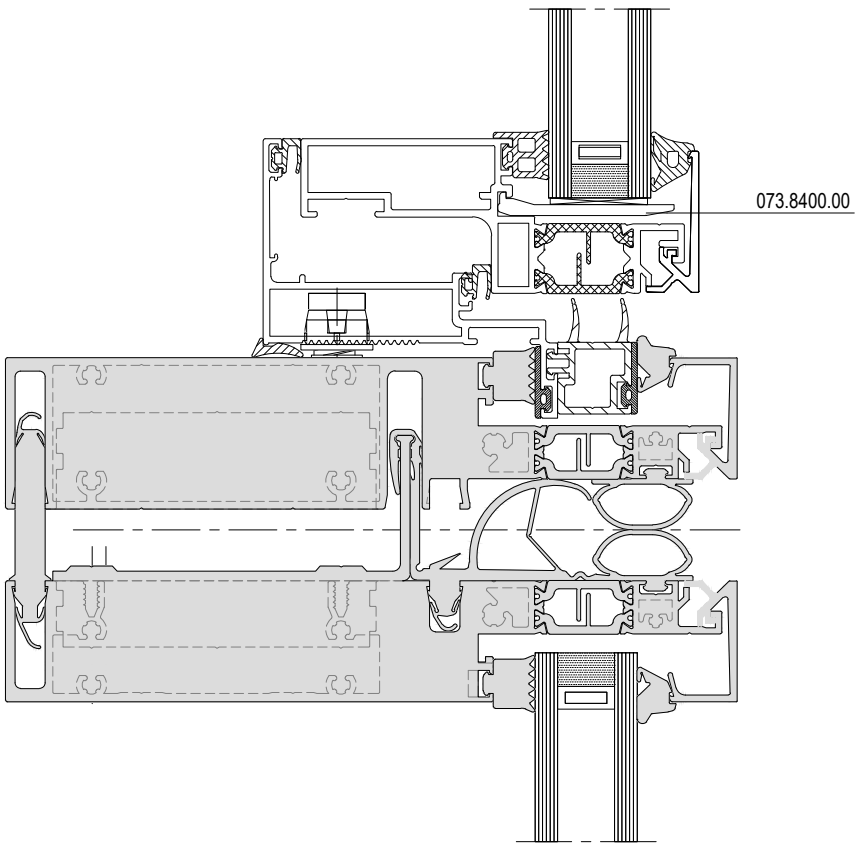
ETAG
002

BUITENDRAAIEND ELEM - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. - EF 7-GB
OUTWARD OPENING WINDOW - EF 7-GB
AUSSEN OEFF. ELEM. - EF 7-GB



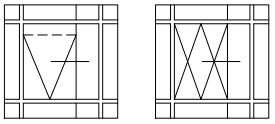


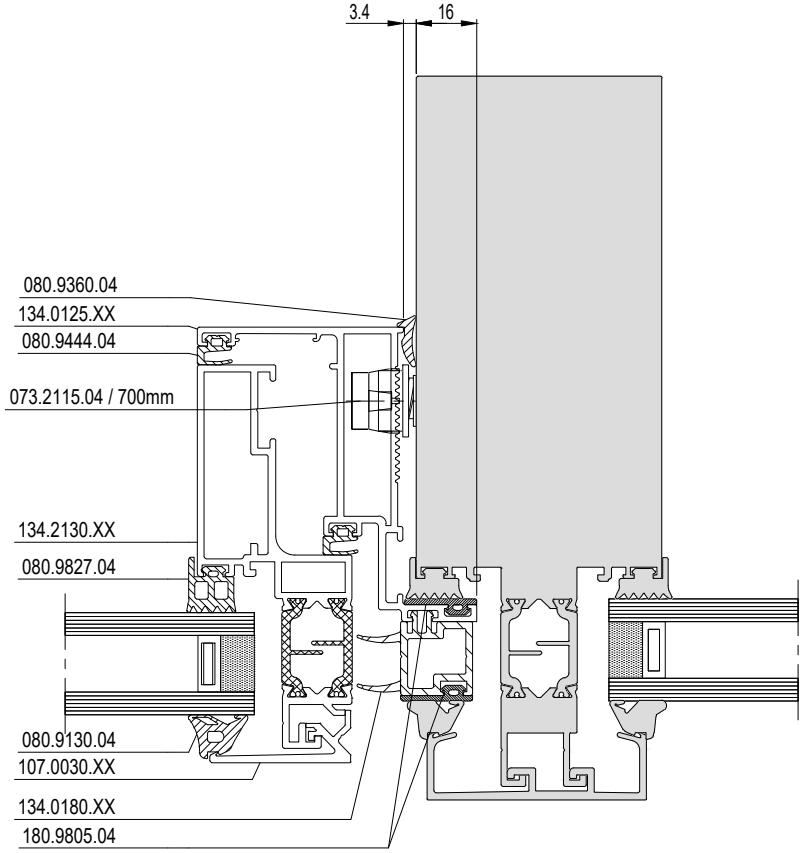




D

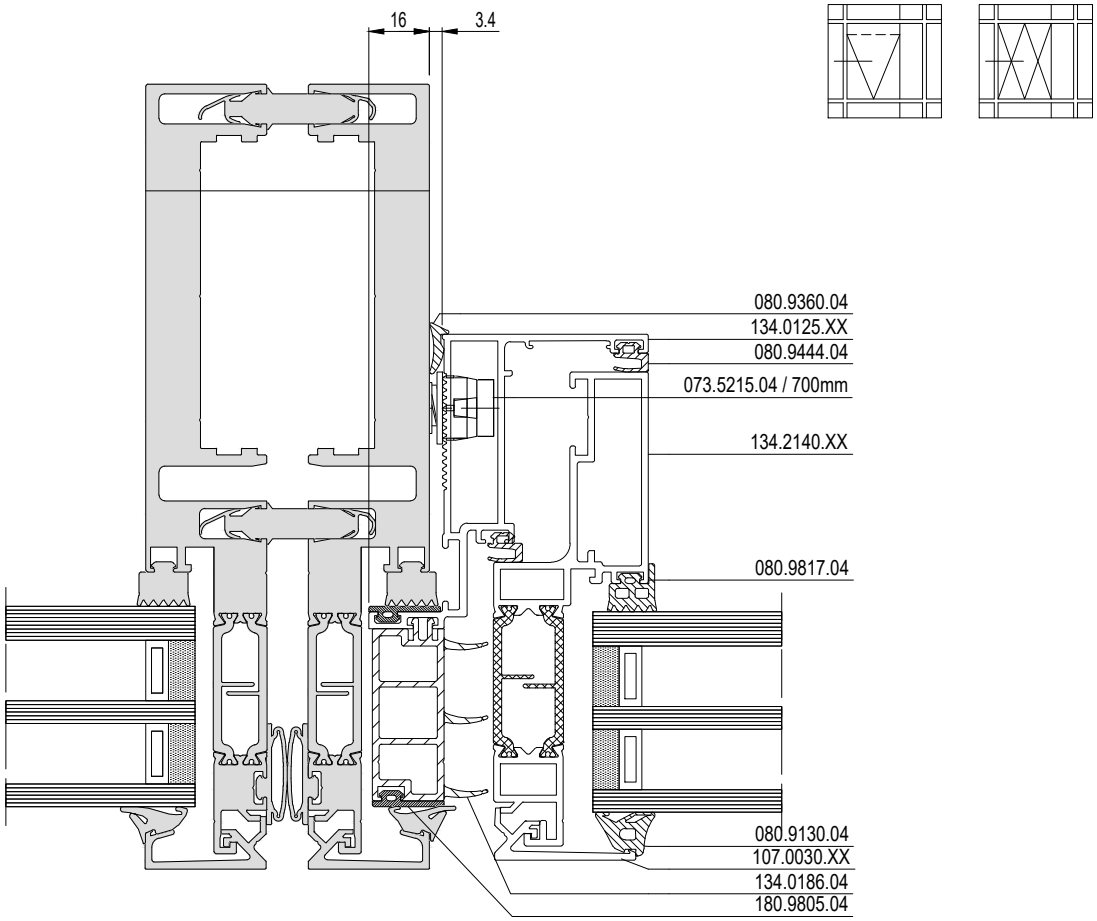
BUITENDRAAIEND ELEM - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. - EF 7-GB
OUTWARD OPENING WINDOW - EF 7-GB
AUSSEN OEFF. ELEM. - EF 7-GB

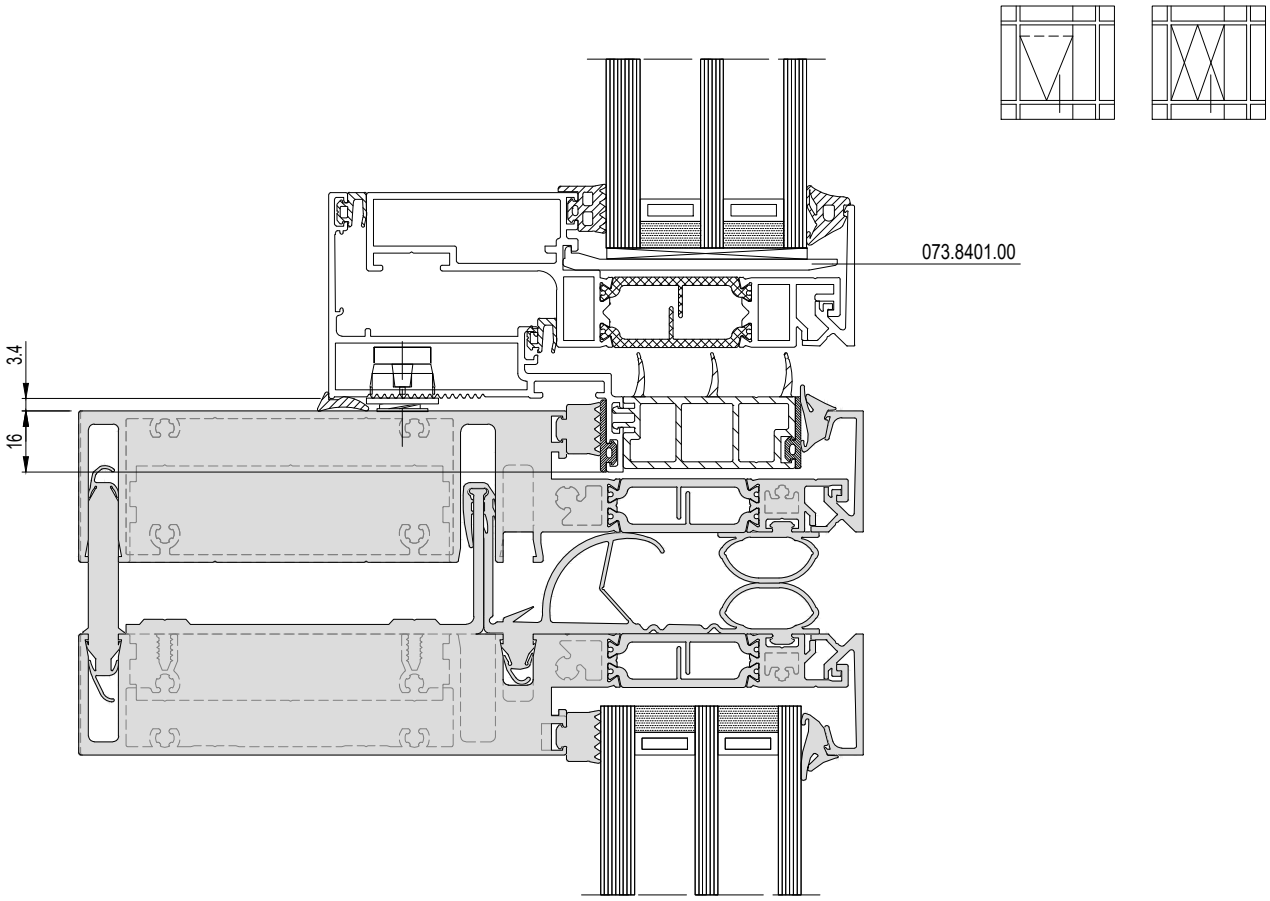




D

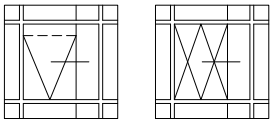
BUITENDRAAIEND ELEM - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. - EF 7-GB
OUTWARD OPENING WINDOW - EF 7-GB
AUSSEN OEFF. ELEM. - EF 7-GB

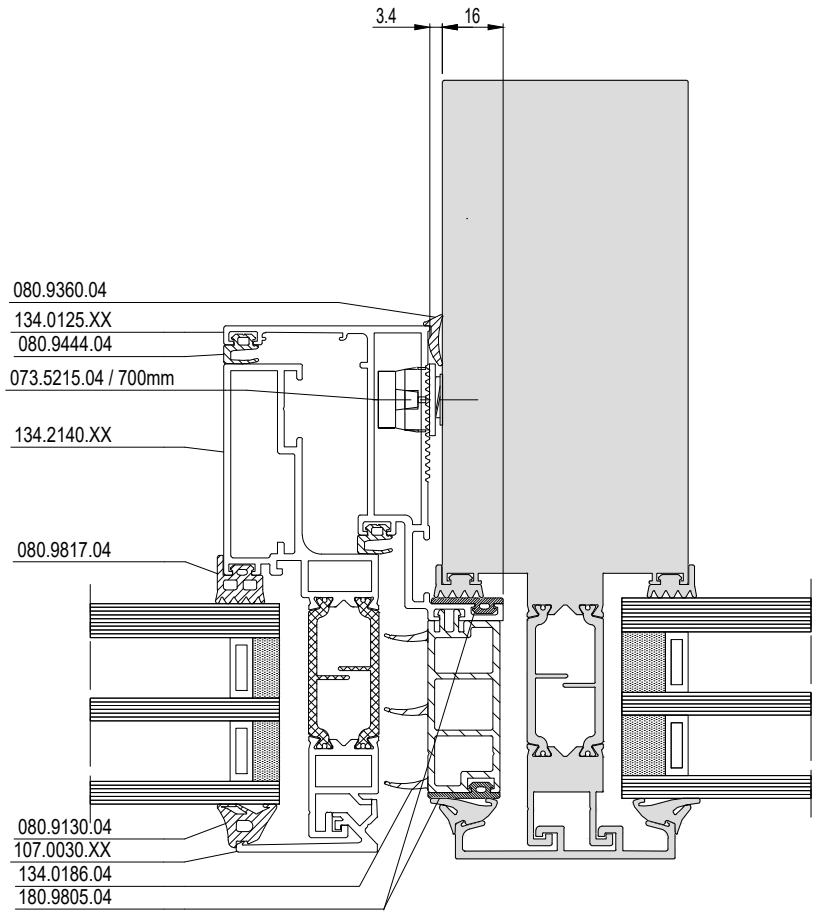




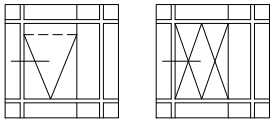
D

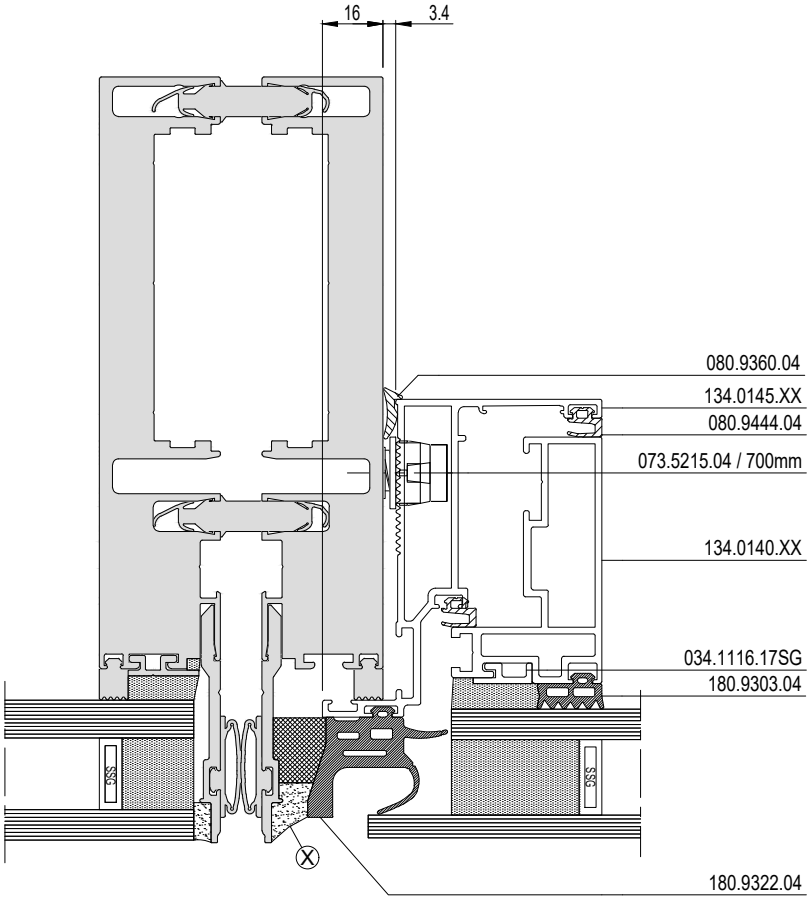
BUITENDRAAIEND ELEM - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. - EF 7-GB
OUTWARD OPENING WINDOW - EF 7-GB
AUSSEN OEFF. ELEM. - EF 7-GB

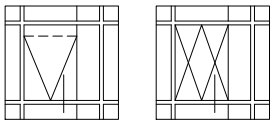


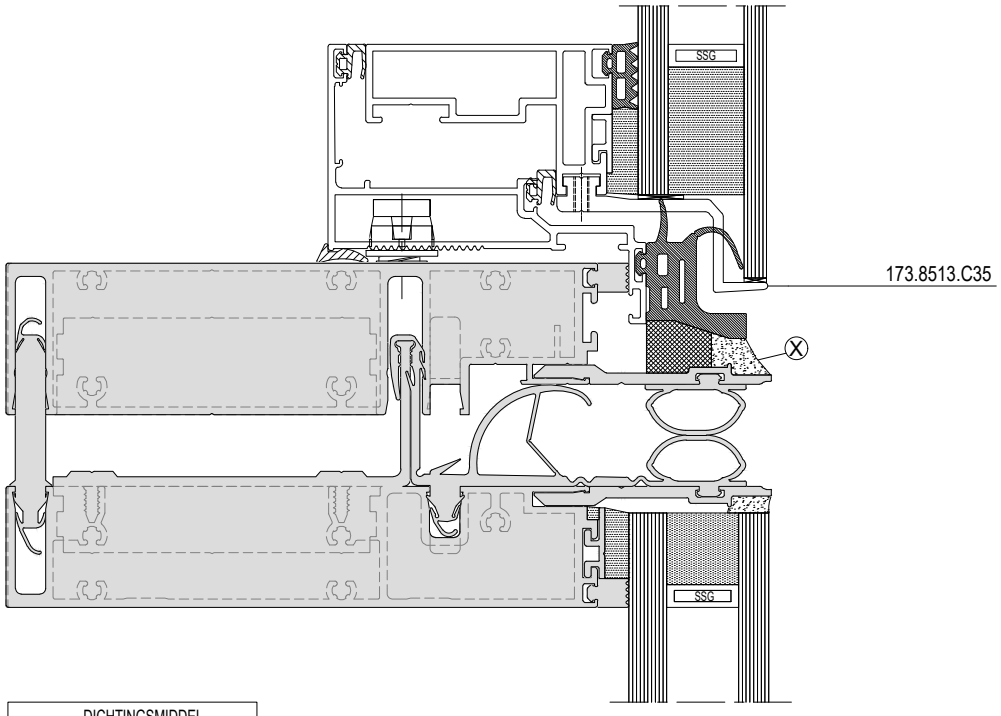


BUITENDRAAIEND ELEM - SGS - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. - SGS - EF 7-SG
OUTWARD OPENING WINDOW - SGS - EF 7-SG
AUSSEN OEFF. ELEM. - SGS - EF 7-SG



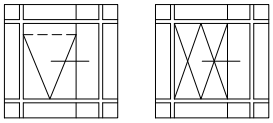


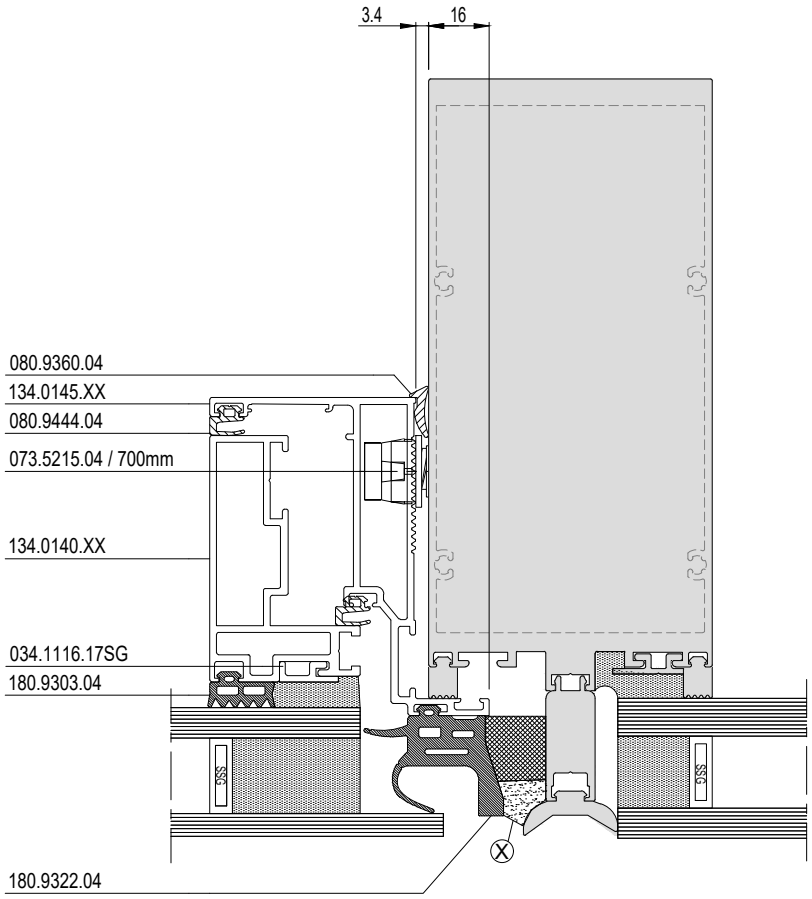




X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

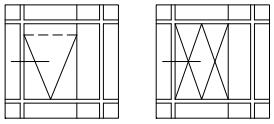


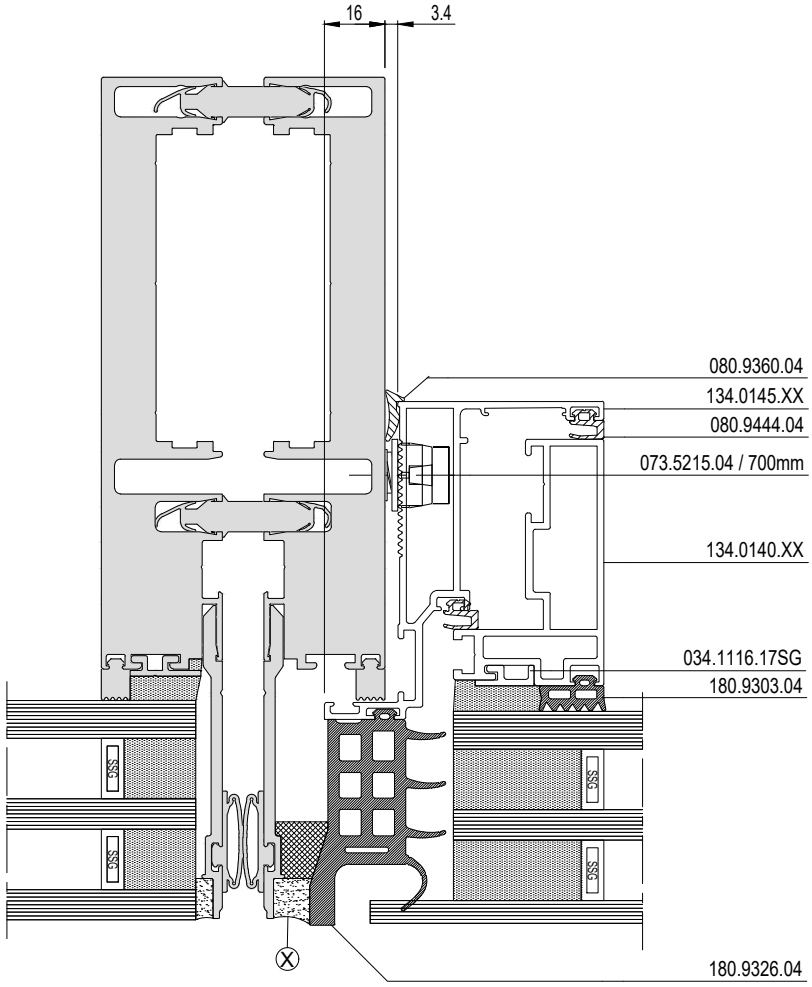

3.4
16
080.9360.04
134.0145.XX
080.9444.04
073.5215.04 / 700mm
134.0140.XX
034.1116.17SG
180.9303.04
180.9322.04
SGS
SGS

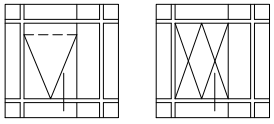
D

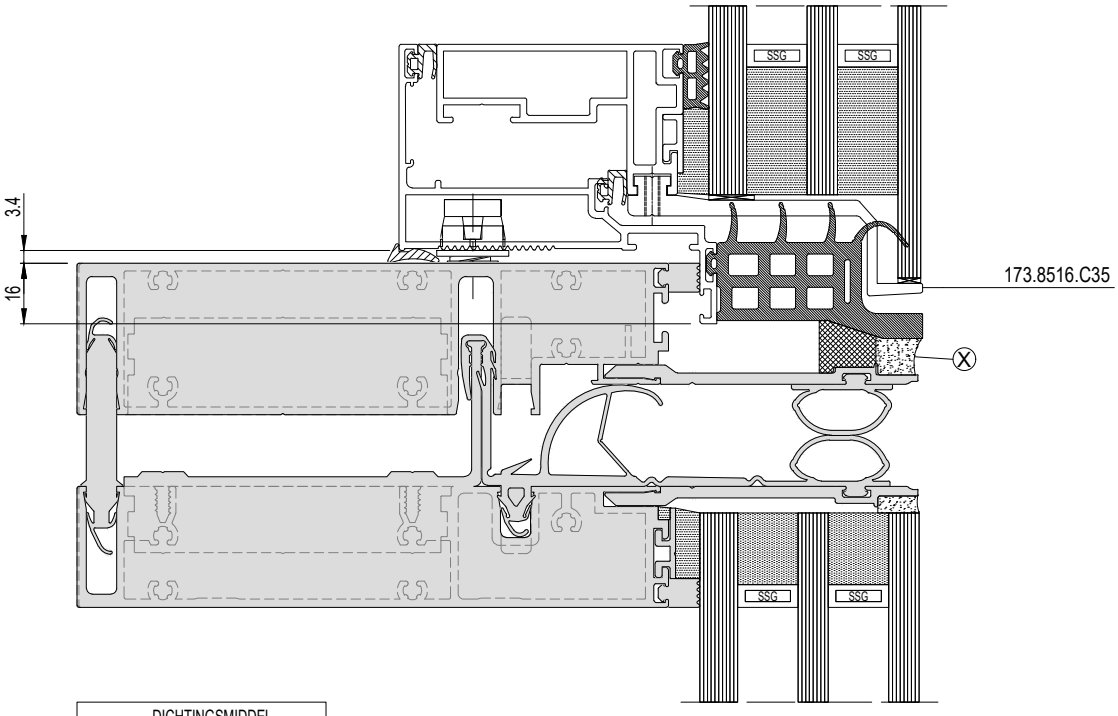
ETAG 002

BUITENDRAAIEND ELEM - SGS - EF 7-SG/HI
ELEM.OUVERTURE VERS L'EXT. - SGS - EF 7-SG/HI
OUTWARD OPENING WINDOW - SGS - EF 7-SG/HI
AUSSEN OEFF. ELEM. - SGS - EF 7-SG/HI







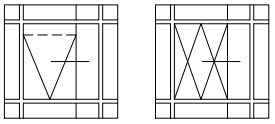


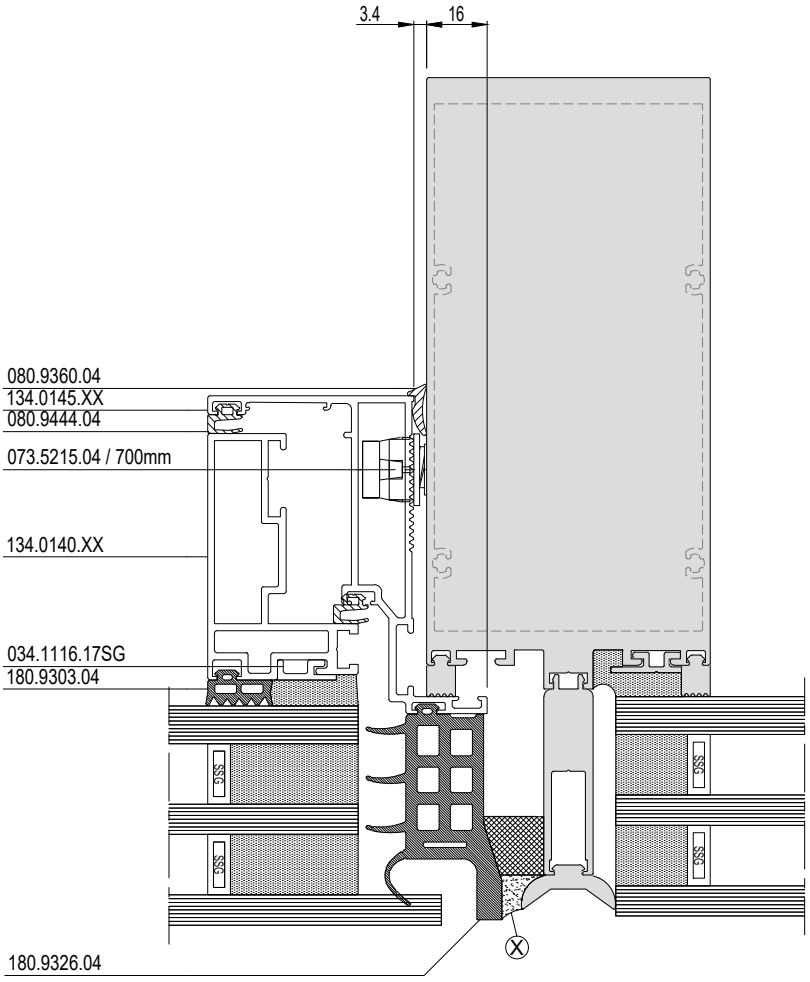
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

D

BUITENDRAAIEND ELEM - SGS - EF 7-SG/HI
ELEM.OUVERTURE VERS L'EXT. - SGS - EF 7-SG/HI
OUTWARD OPENING WINDOW - SGS - EF 7-SG/HI
AUSSEN OEFF. ELEM. - SGS - EF 7-SG/HI





X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

D

BUITENDRAAIEND ELEM - SGS - EF 7-SG/HI
ELEM.OUVERTURE VERS L'EXT. - SGS - EF 7-SG/HI
OUTWARD OPENING WINDOW - SGS - EF 7-SG/HI
AUSSEN OEFF. ELEM. - SGS - EF 7-SG/HI

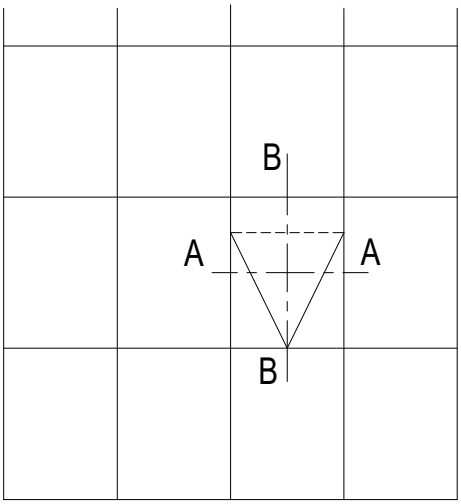
E

Reynaers Aluminium

Werktekeningen
Coupes et débits
Work drawings
Werkzeichnungen

BUITENDRAAIEND ELEM THW SG
ELEM.OUVERTURE VERS L'EXT. THW SG
OUTWARD OPENING WINDOW THW SG
AUSSEN OEFF. ELEM. THW SG

Reynaers Aluminium

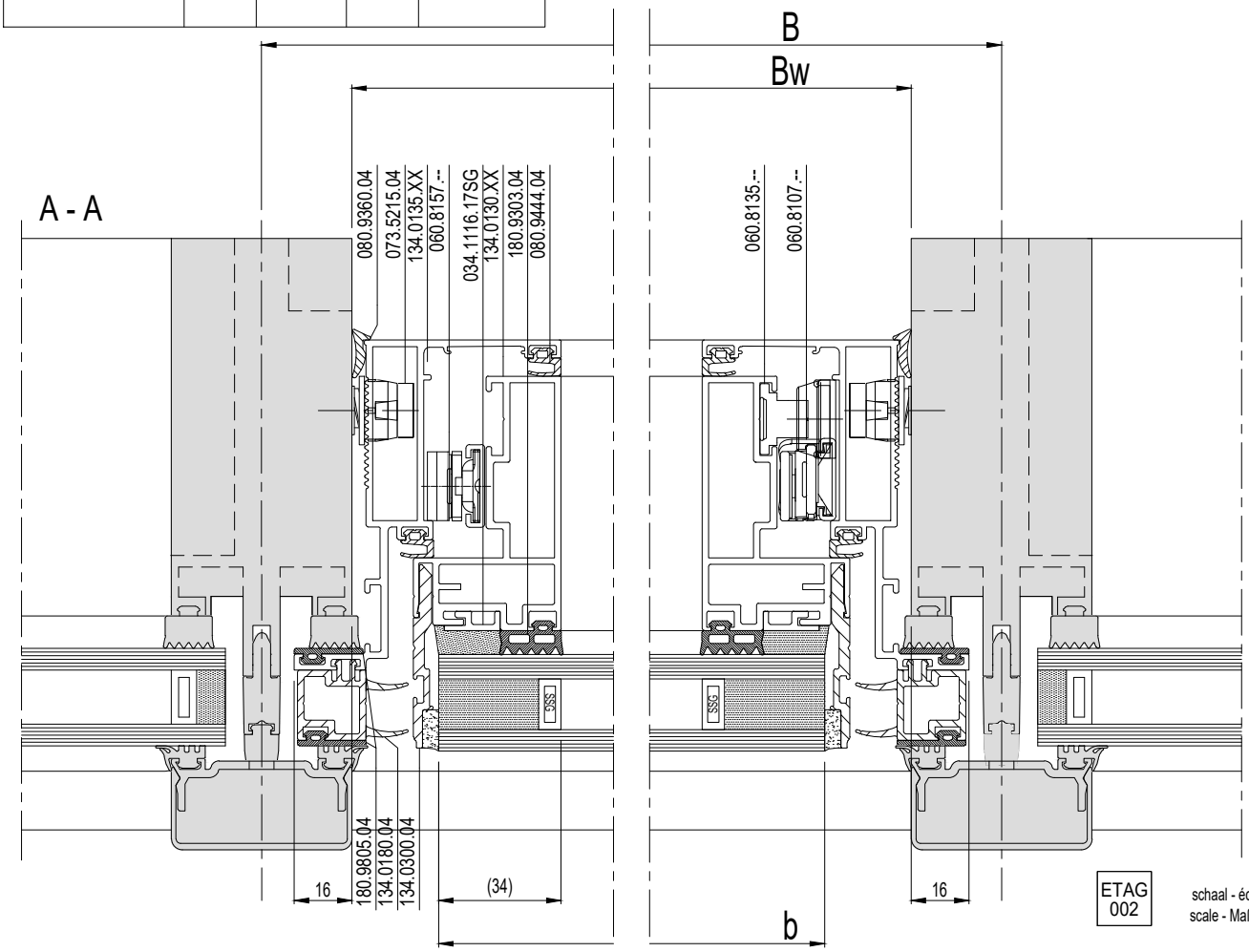


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0180.04**			2	Bw + 30
			2	Hw + 30
134.0300.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



E

BUITENDRAAIEND ELEM THW SG
ELEM.OUVERTURE VERS L'EXT. THW SG
OUTWARD OPENING WINDOW THW SG
AUSSEN OEFF. ELEM. THW SG

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

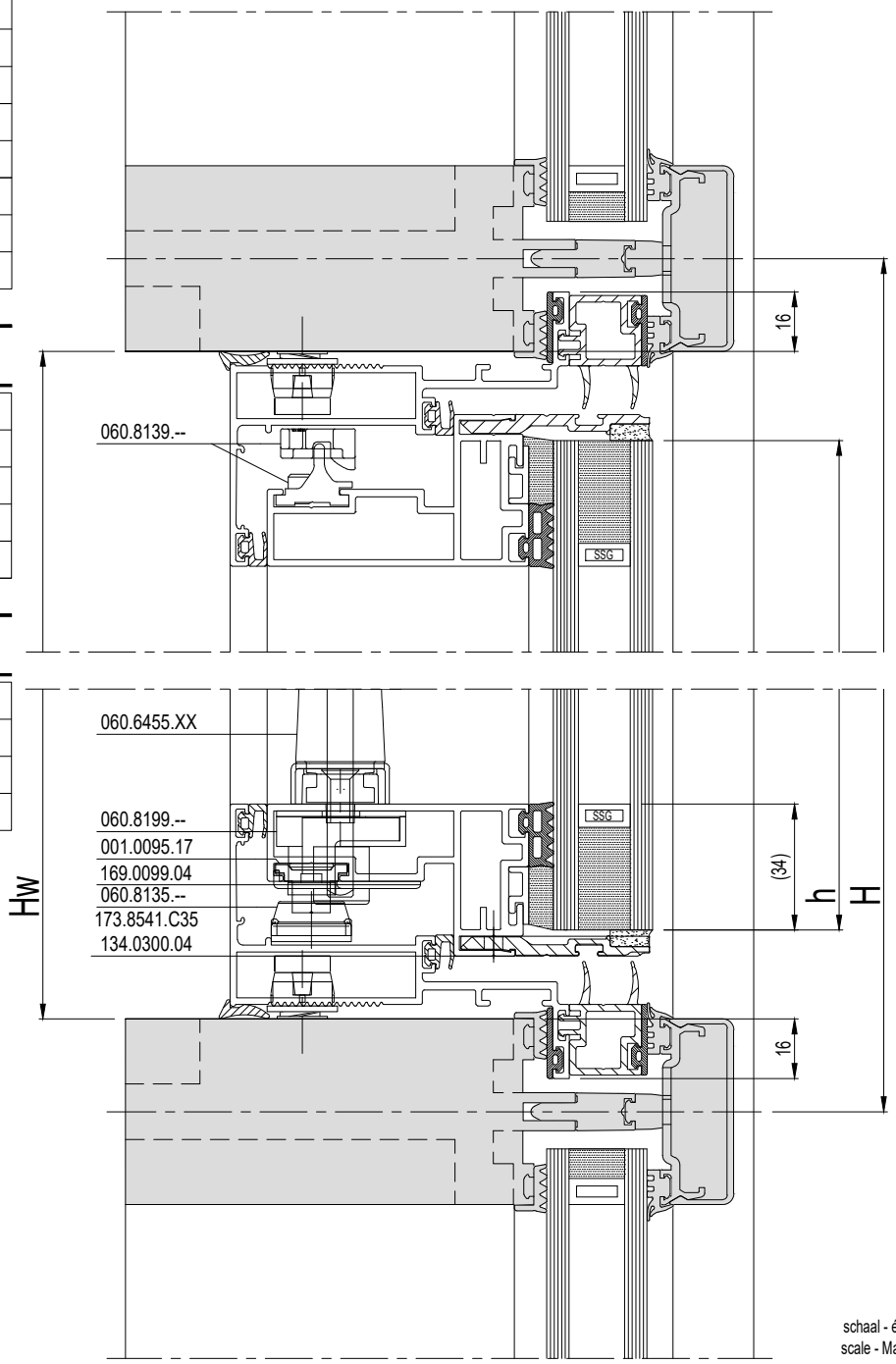
	#
060.6455.XX**	1
060.8199.XX**	1
050.5011.--	2
169.0099.04**	1
052.5312.--	2

	#
060.8131.--**	1
052.5332.--	12
052.5310.--	1
052.5311.--	2
060.8135.--**	2
052.5332.--	6
060.8139.--**	1
052.5310.--	1
052.5311.--	2

	#
060.8107.--**	1
050.5119.--	10
052.5330.--	10
057.5713.--	6
060.8100.--	1

	#
060.8157.--**	1
052.5330.--	6
050.5000.--	2
050.5119.--	2

B - B

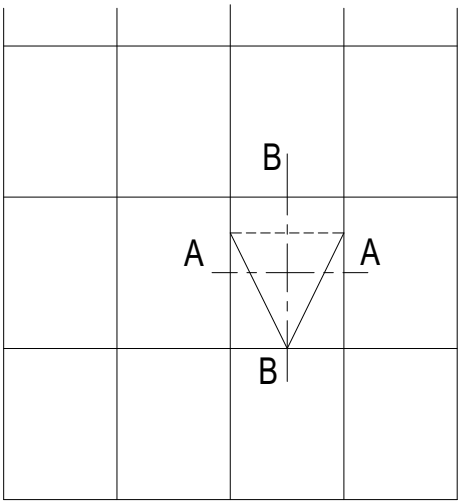


ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW SG HI
ELEM.OUVERTURE VERS L'EXT. THW SG HI
OUTWARD OPENING WINDOW THW SG HI
AUSSEN OEFF. ELEM. THW SG HI

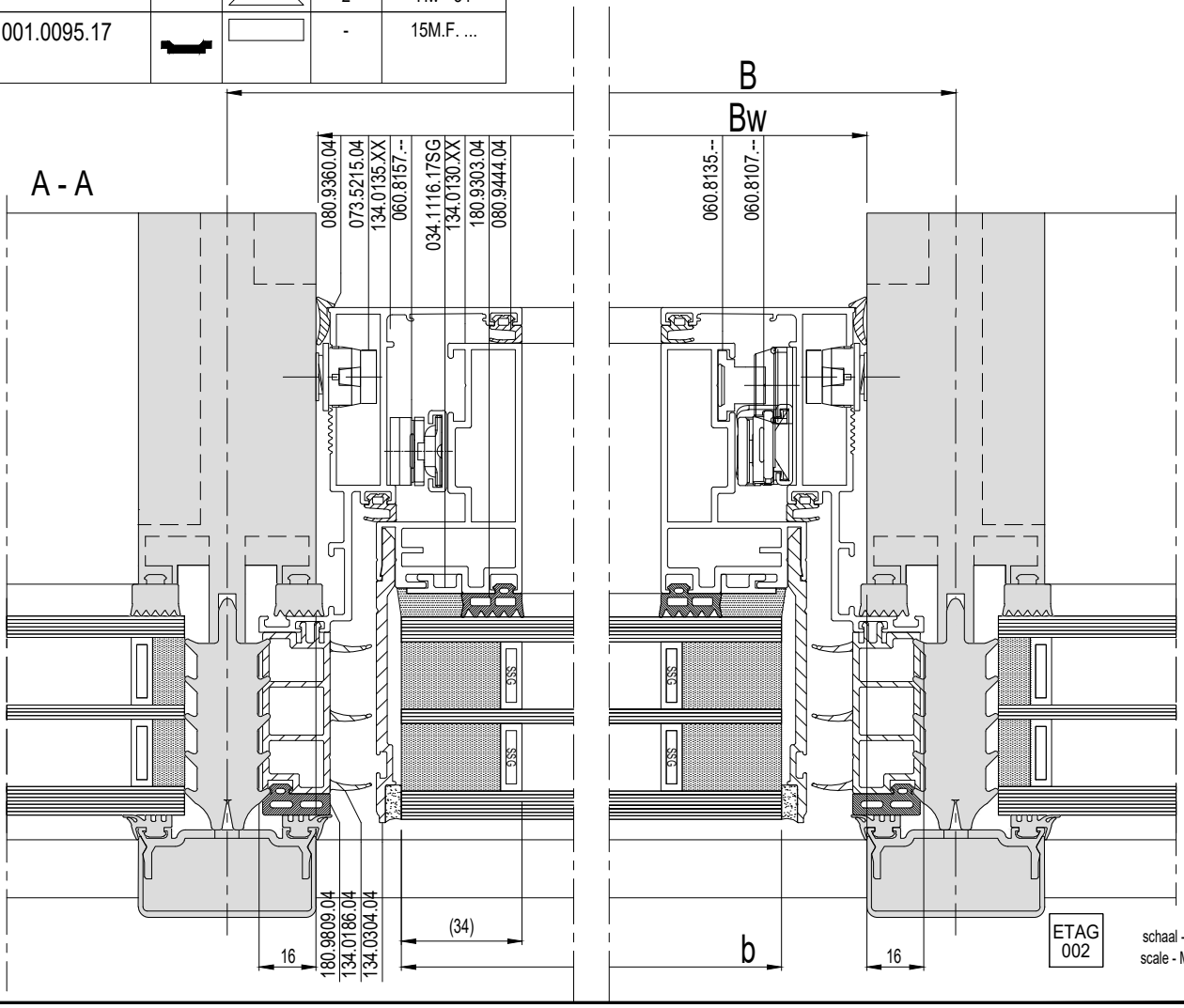


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		4
173.8536.C35**		2
052.5333.--		8
180.9809.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0186.04**			2	Bw + 30
			2	Hw + 30
134.0304.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



BUITENDRAAIEND ELEM THW SG HI
ELEM.OUVERTURE VERS L'EXT. THW SG HI
OUTWARD OPENING WINDOW THW SG HI
AUSSEN OEFF. ELEM. THW SG HI

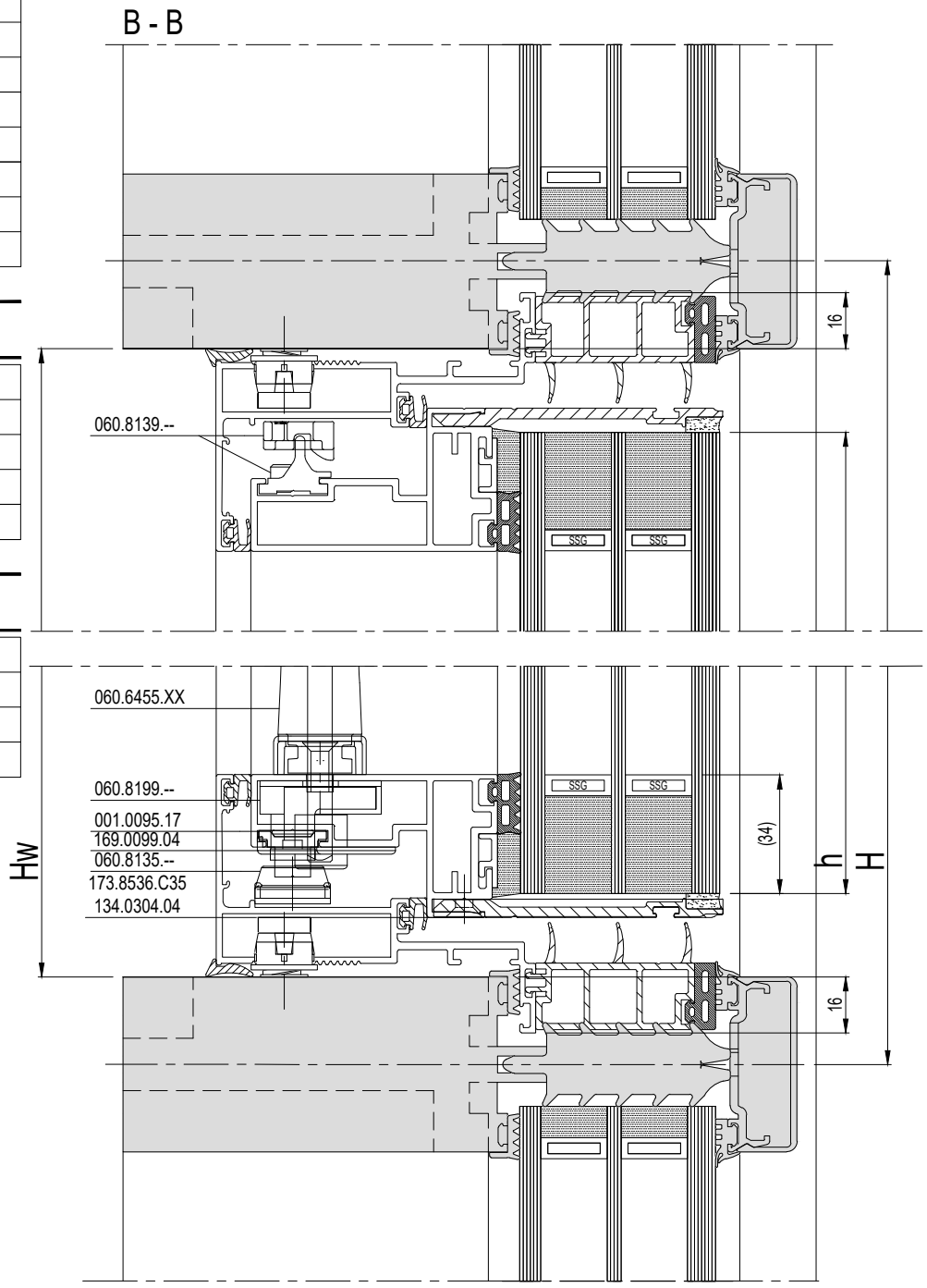
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5713.--		6
060.8100.--		1

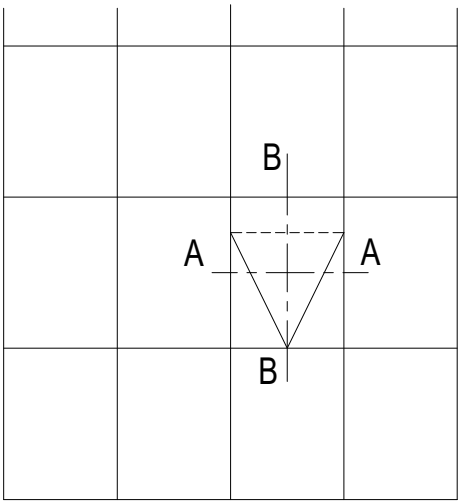
		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2



ETAG 002

E

BUITENDRAAIEND ELEM THW GB
ELEM.OUVERTURE VERS L'EXT. THW GB
OUTWARD OPENING WINDOW THW GB
AUSSEN OEFF. ELEM. THW GB

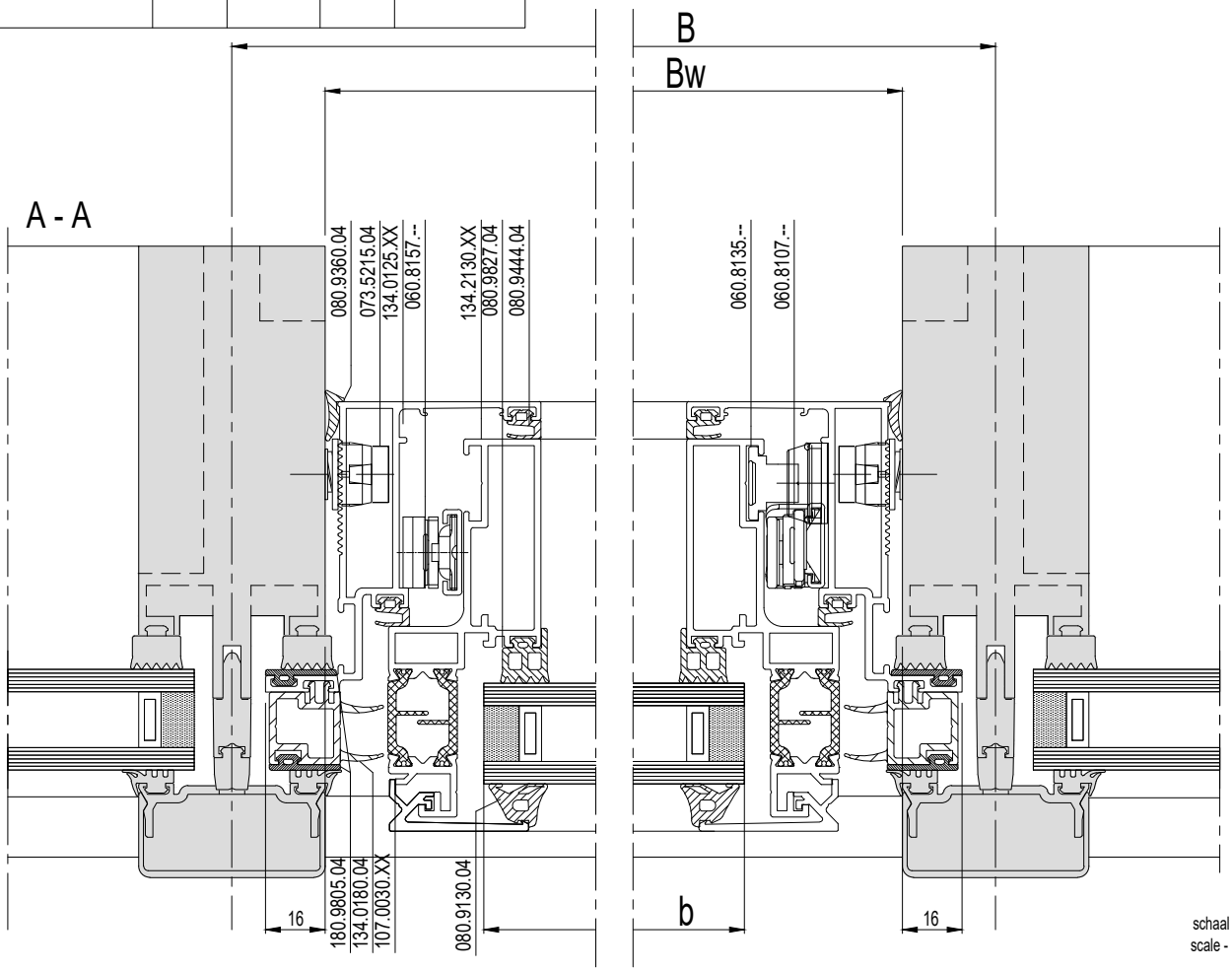


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
068.7323.--		4
073.6333.--		4
069.6560.04		4
073.8400.00**		6
151.5279.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
080.9827.04**		2x(Hw+Bw-91)+1%
080.9130.04**		2x(Hw+Bw-75)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0125.XX			2	Bw + 32
			2	Hw + 32
134.2130.XX			2	Bw - 34
			2	Hw - 34
134.0180.04**			2	Bw + 30
			2	Hw + 30
107.0030.XX			2	Bw - 34.5
			2	Hw - 34.5
001.0095.17			-	15M.F. ...

b = Bw - 85
h = Hw - 85



schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW GB
ELEM.OUVERTURE VERS L'EXT. THW GB
OUTWARD OPENING WINDOW THW GB
AUSSEN OEFF. ELEM. THW GB

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

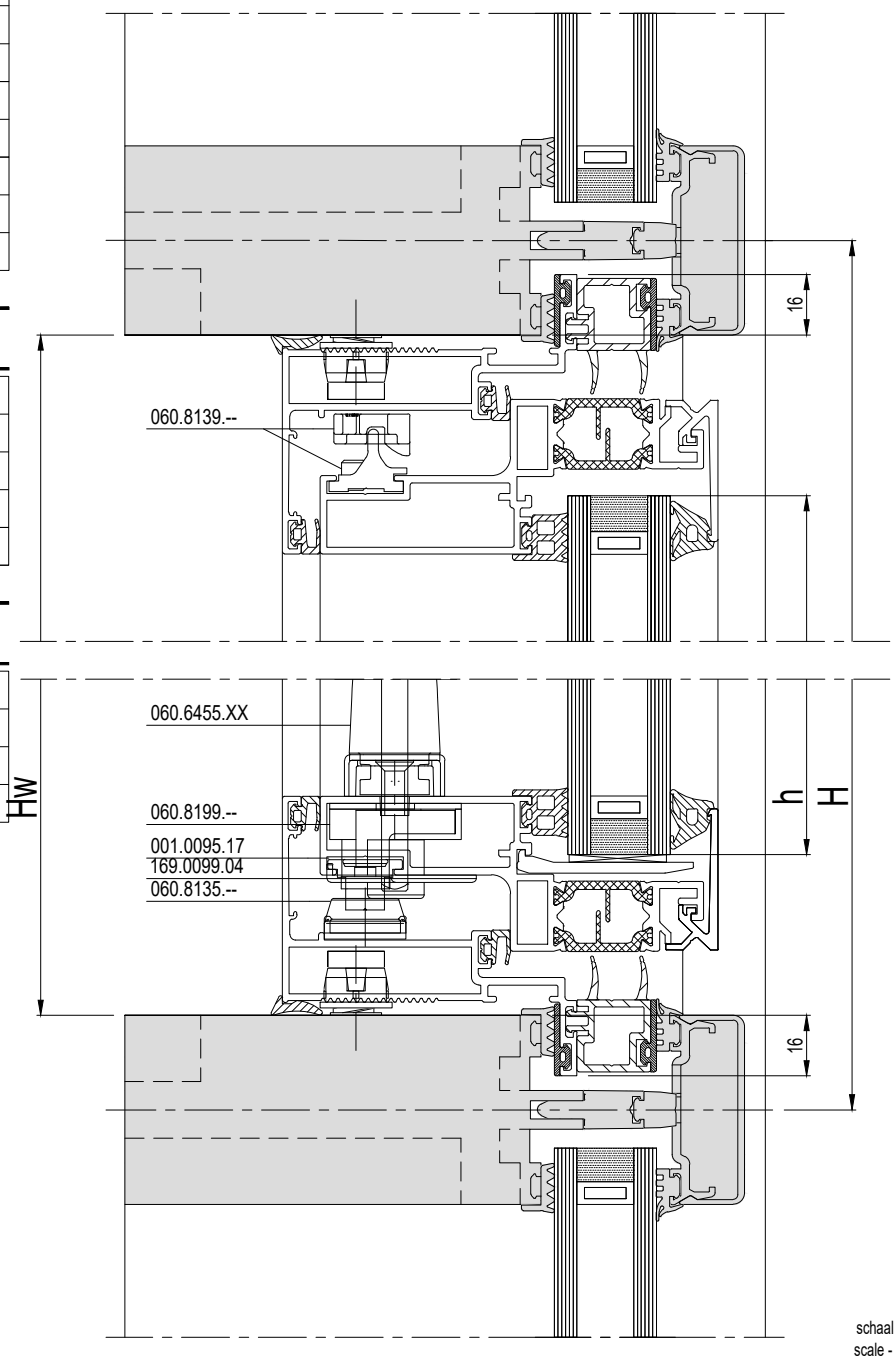
		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5713.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

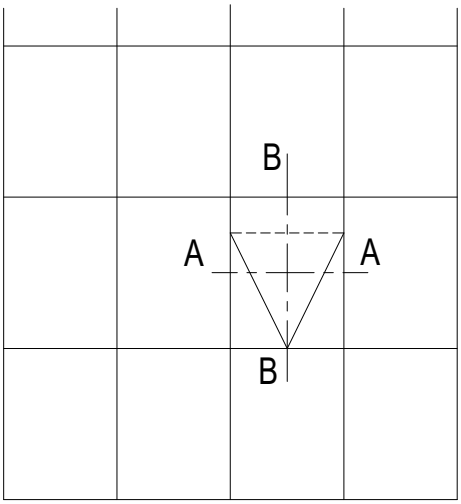
B - B



schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW GB HI
ELEM.OUVERTURE VERS L'EXT. THW GB HI
OUTWARD OPENING WINDOW THW GB HI
AUSSEN OEFF. ELEM. THW GB HI

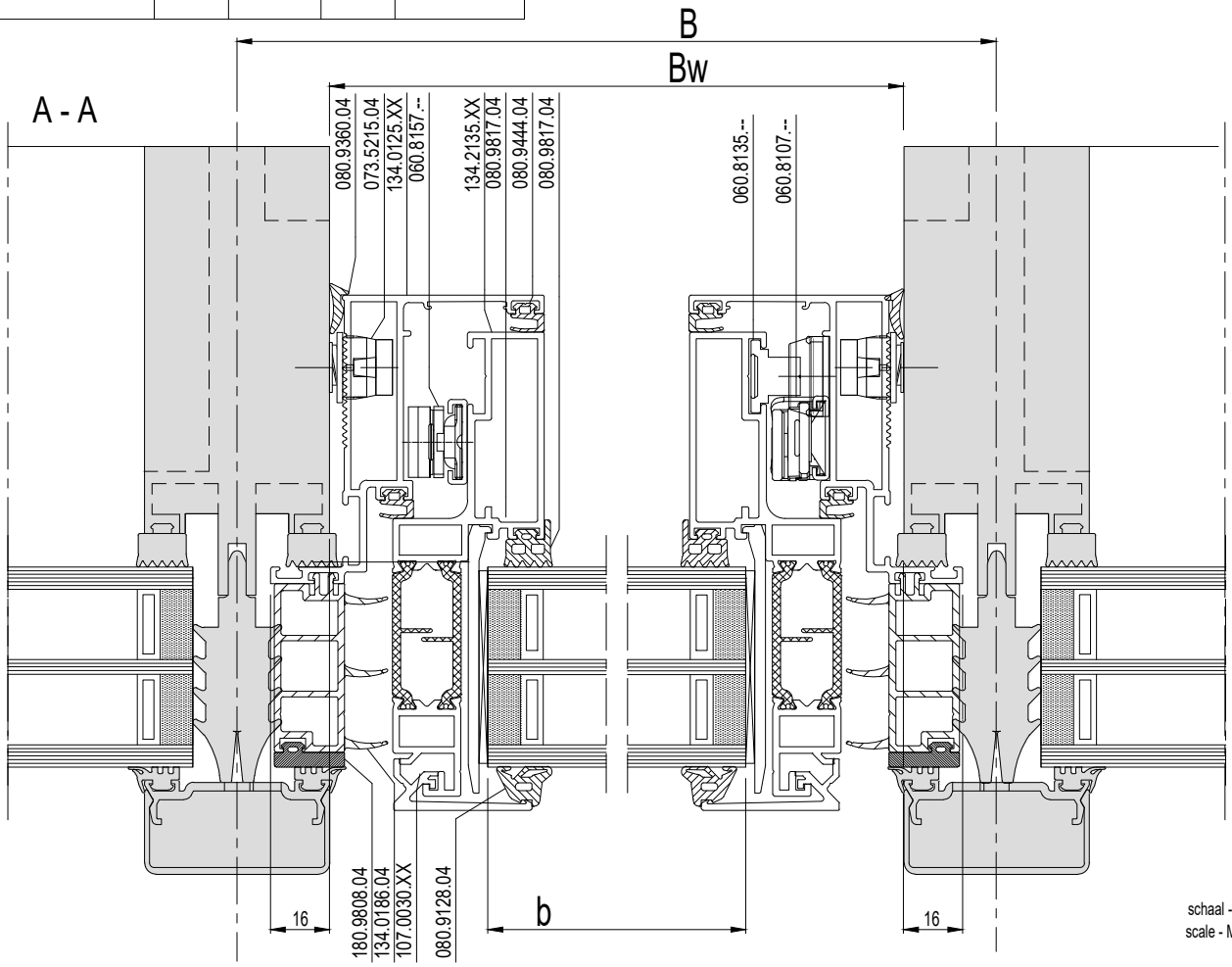


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
068.7323.--		4
073.6333.--		4
069.6560.04		8
073.8401.00**		6
180.9808.04**		2x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
080.9817.04**		2x(Hw+Bw-91)+1%
080.9128.04**		2x(Hw+Bw-75)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8
151.5279.--		8

			#	Lm
134.0125.XX			2	Bw + 32
			2	Hw + 32
134.2140.XX			2	Bw - 34
			2	Hw - 34
134.0186.04**			2	Bw + 30
			2	Hw + 30
107.0030.XX			2	Bw - 34.5
			2	Hw - 34.5
001.0095.17			-	15M.F. ...

b = Bw - 85
h = Hw - 85



schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW GB HI
ELEM.OUVERTURE VERS L'EXT. THW GB HI
OUTWARD OPENING WINDOW THW GB HI
AUSSEN OEFF. ELEM. THW GB HI

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

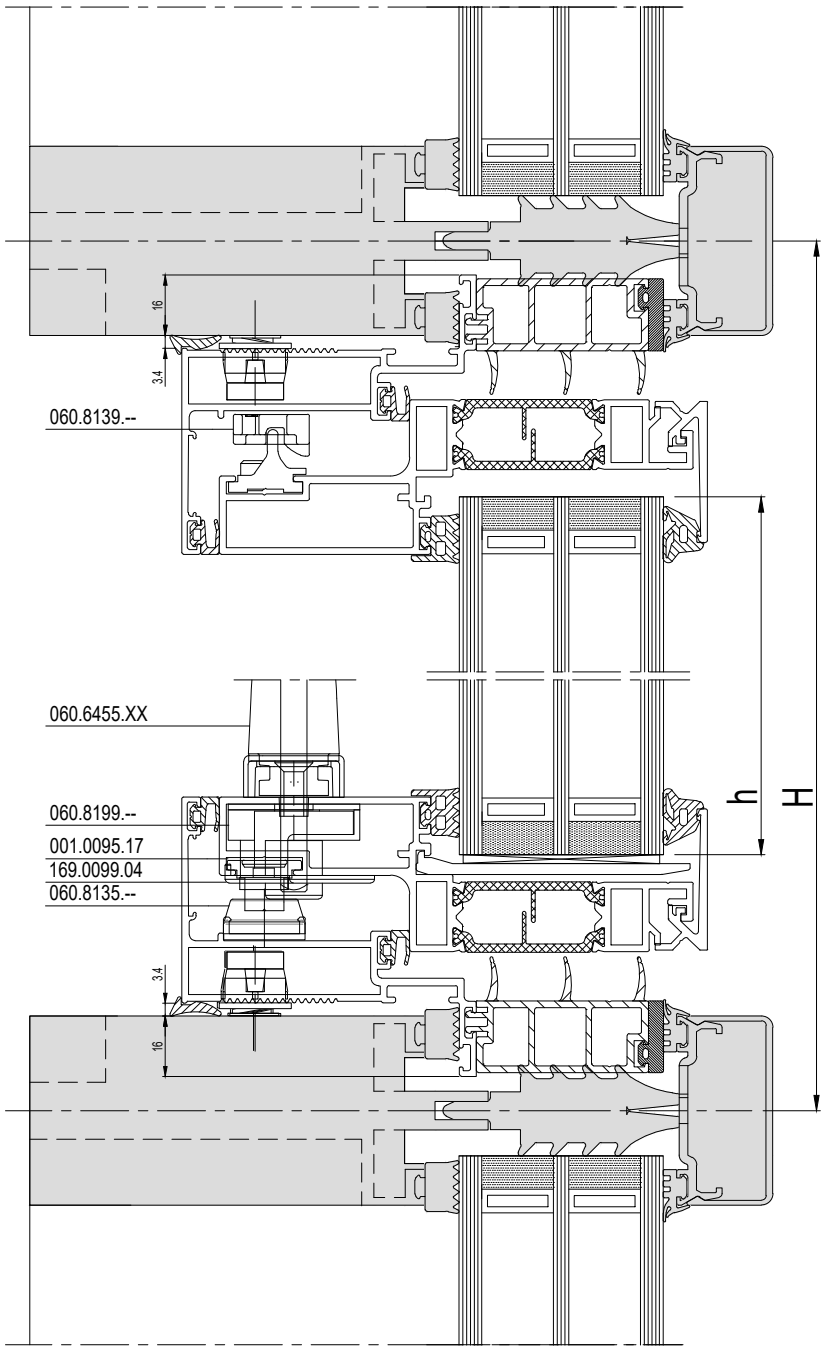
		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5713.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

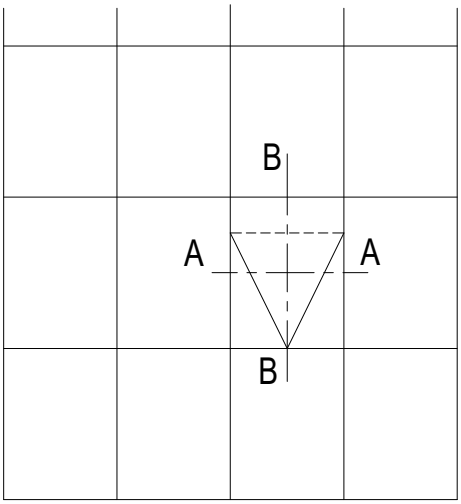
B - B



schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-SC
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-SC
OUTWARD OPENING WINDOW THW SG - CW50-SC
AUSSEN OEFF. ELEM. THW SG - CW50-SC

Reynaers Aluminium

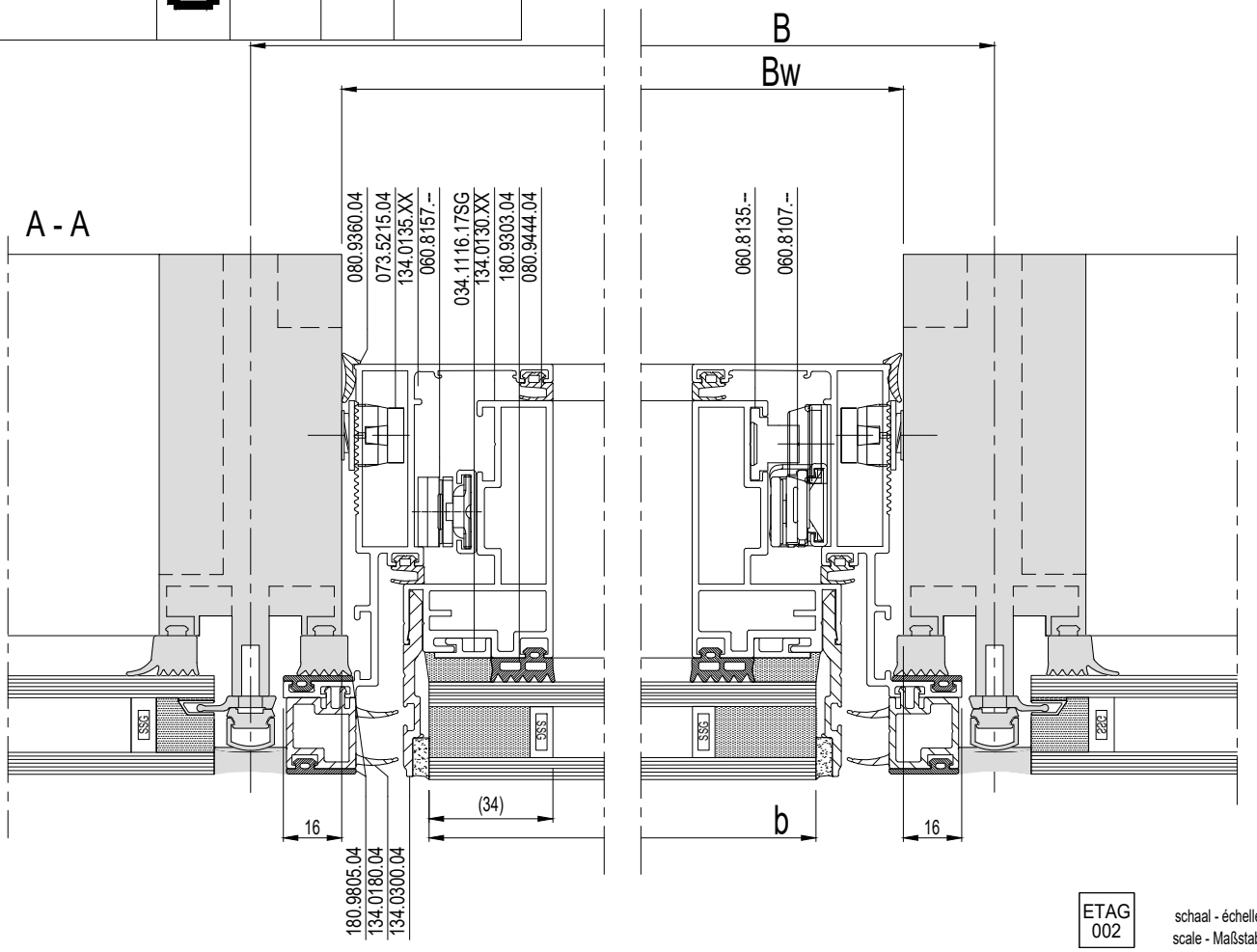


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0180.04**			2	Bw + 30
			2	Hw + 30
134.0300.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-SC
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-SC
OUTWARD OPENING WINDOW THW SG - CW50-SC
AUSSEN OEFF. ELEM. THW SG - CW50-SC

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

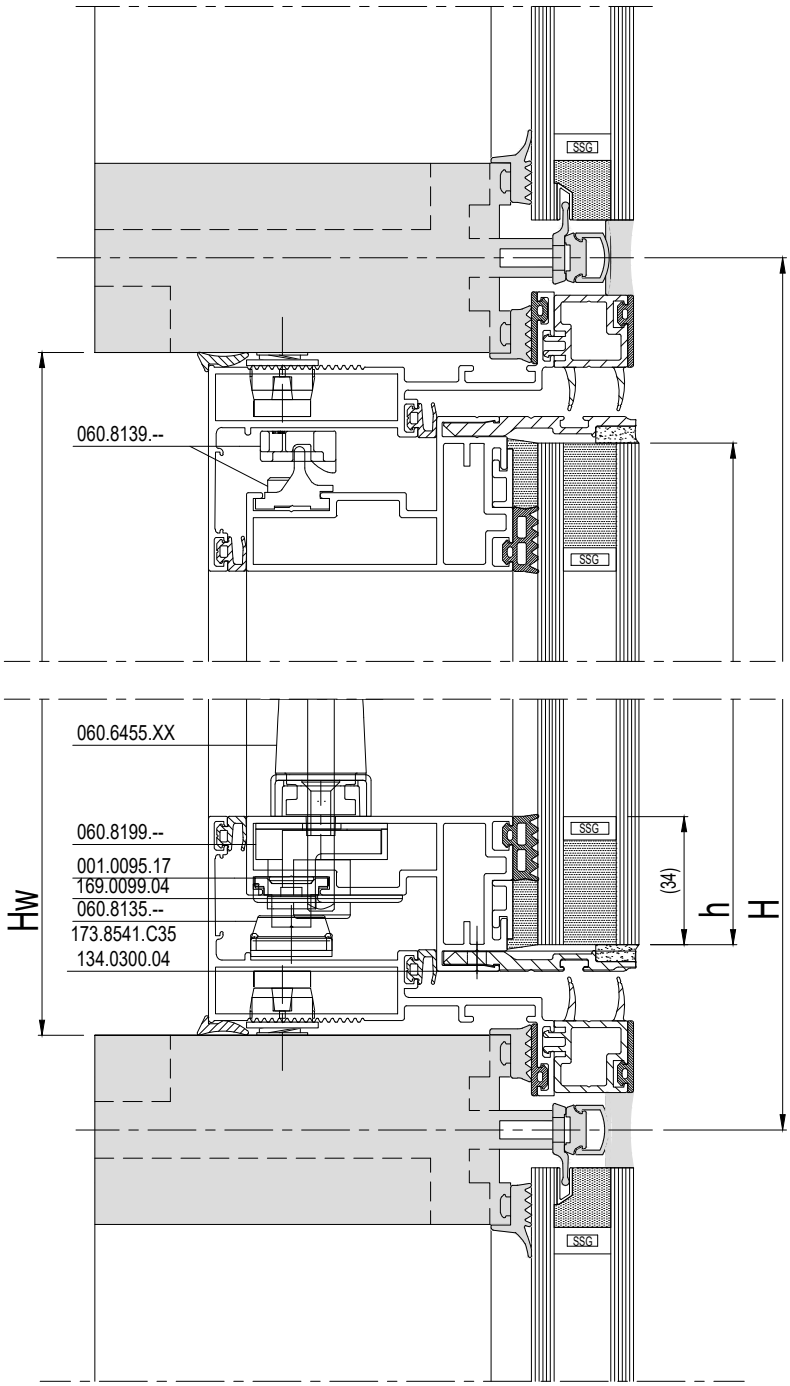
	#
060.6455.XX**	1
060.8199.XX**	1
050.5011.--	2
169.0099.04**	1
052.5312.--	2

	#
060.8131.--**	1
052.5332.--	12
052.5310.--	1
052.5311.--	2
060.8135.--**	2
052.5332.--	6
060.8139.--**	1
052.5310.--	1
052.5311.--	2

	#
060.8107.--**	1
050.5119.--	10
052.5330.--	10
057.5713.--	6
060.8100.--	1

	#
060.8157.--**	1
052.5330.--	6
050.5000.--	2
050.5119.--	2

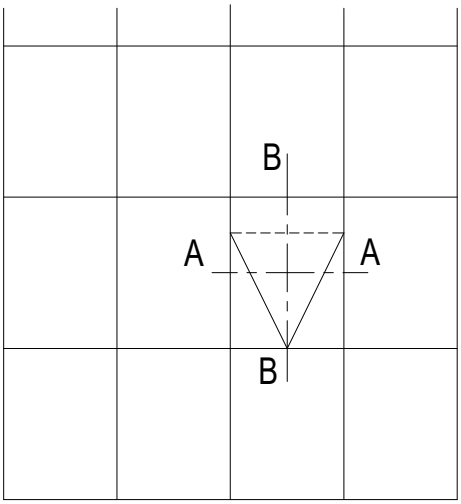
B - B



ETAG
002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-SC/HI
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-SC/HI
OUTWARD OPENING WINDOW THW SG - CW50-SC/HI
AUSSEN OEFF. ELEM. THW SG - CW50-SC/HI

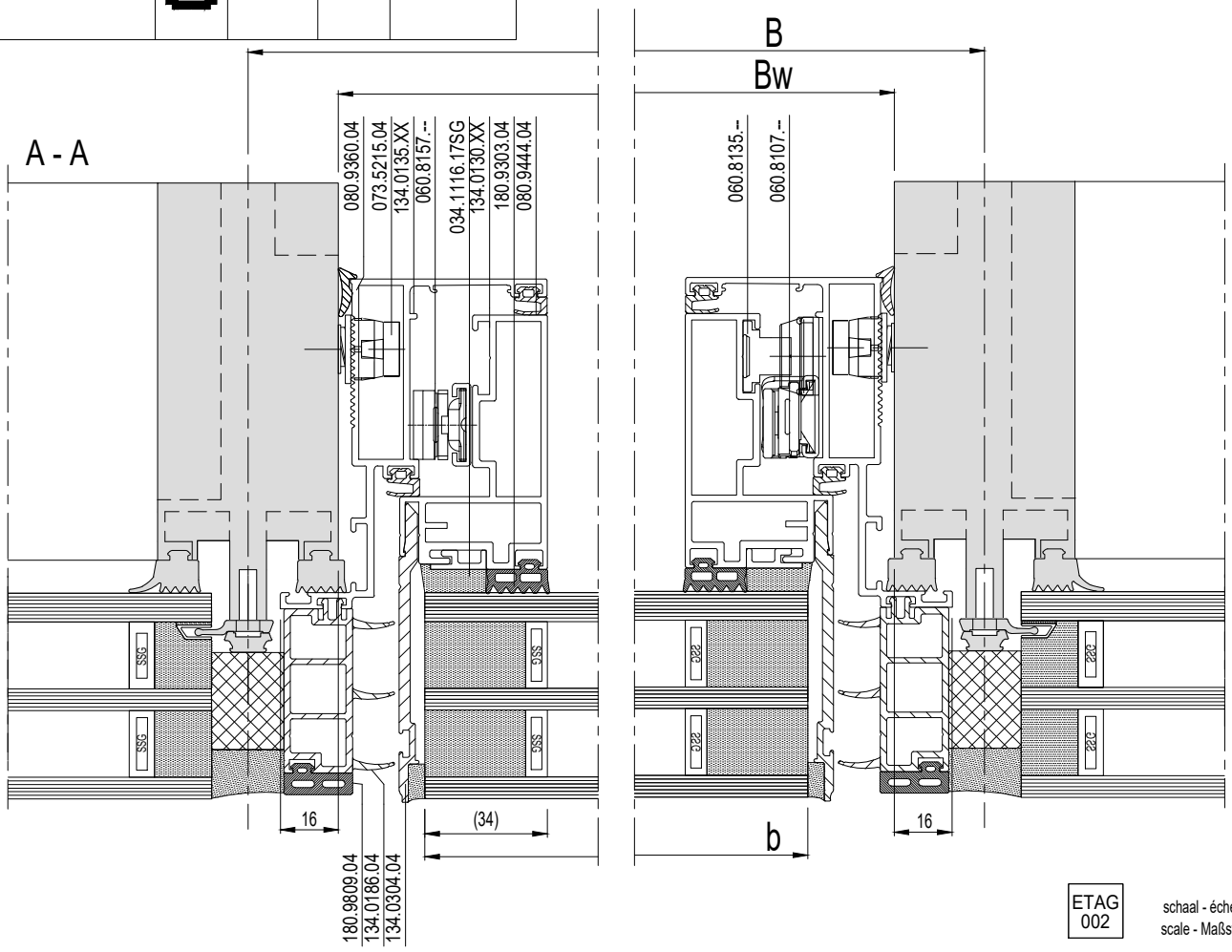


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		8
173.8536.C35**		2
052.5333.--		8
180.9809.04**		2x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0186.04**			2	Bw + 30
			2	Hw + 30
134.0304.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-SC/HI
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-SC/HI
OUTWARD OPENING WINDOW THW SG - CW50-SC/HI
AUSSEN OEFF. ELEM. THW SG - CW50-SC/HI

Reynaers Aluminium

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

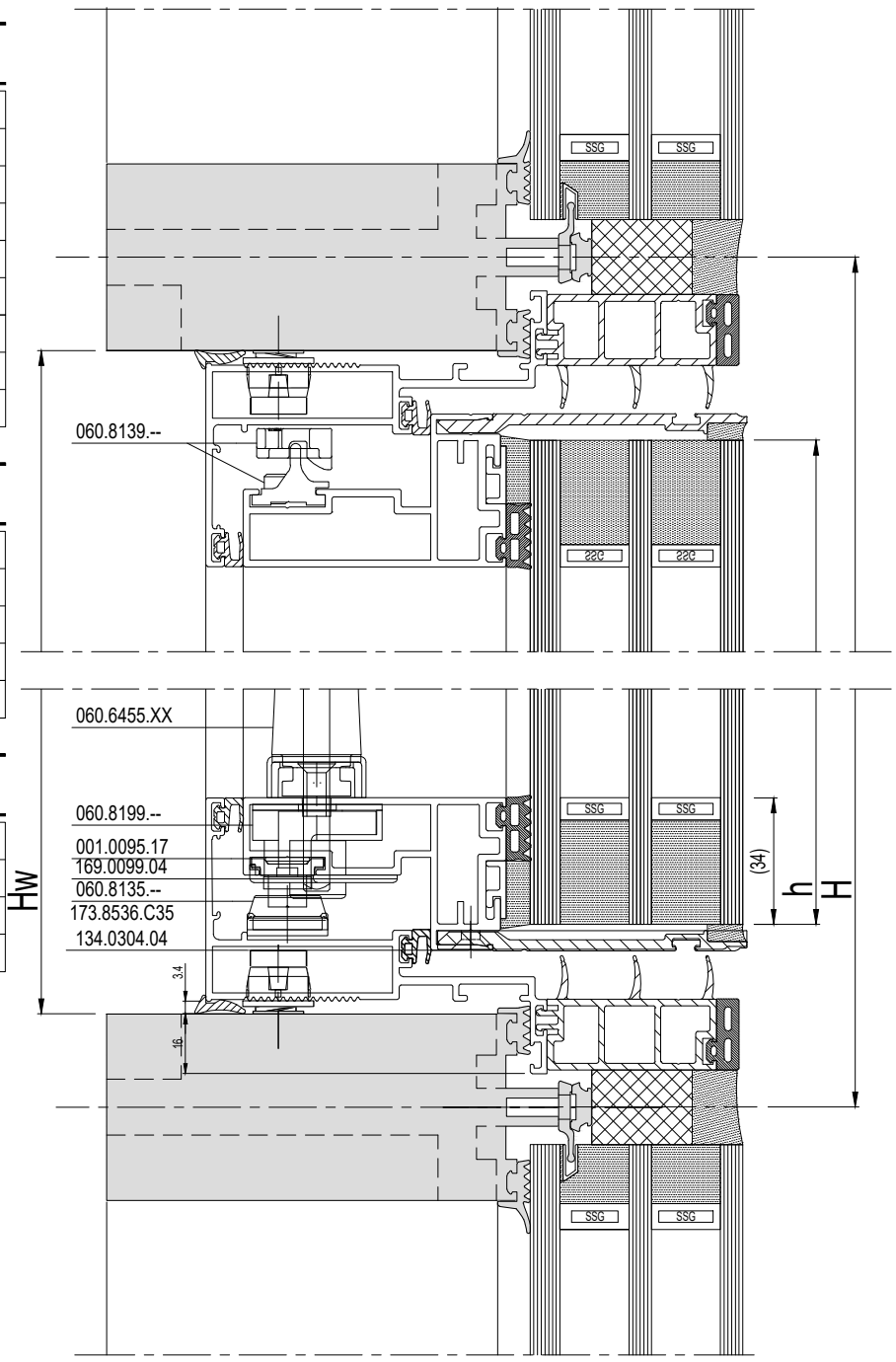
	#
060.6455.XX**	1
060.8199.XX**	1
050.5011.--	2
169.0099.04**	1
052.5312.--	2

	#
060.8131.--**	1
052.5332.--	12
052.5310.--	1
052.5311.--	2
060.8135.--**	2
052.5332.--	6
060.8139.--**	1
052.5310.--	1
052.5311.--	2

	#
060.8107.--**	1
050.5119.--	10
052.5330.--	10
057.5713.--	6
060.8100.--	1

	#
060.8157.--**	1
052.5330.--	6
050.5000.--	2
050.5119.--	2

B - B



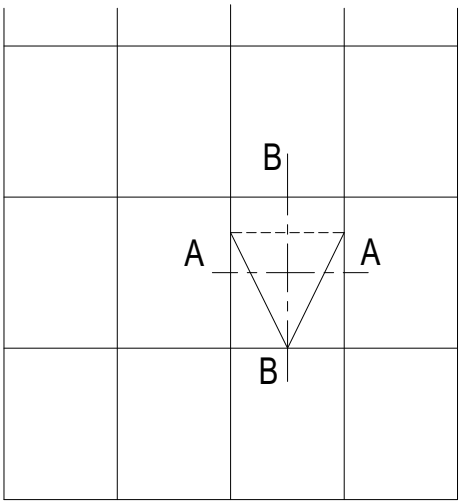
E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-HL
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-HL
OUTWARD OPENING WINDOW THW SG - CW50-HL
AUSSEN OEFF. ELEM. THW SG - CW50-HL

Reynaers Aluminium

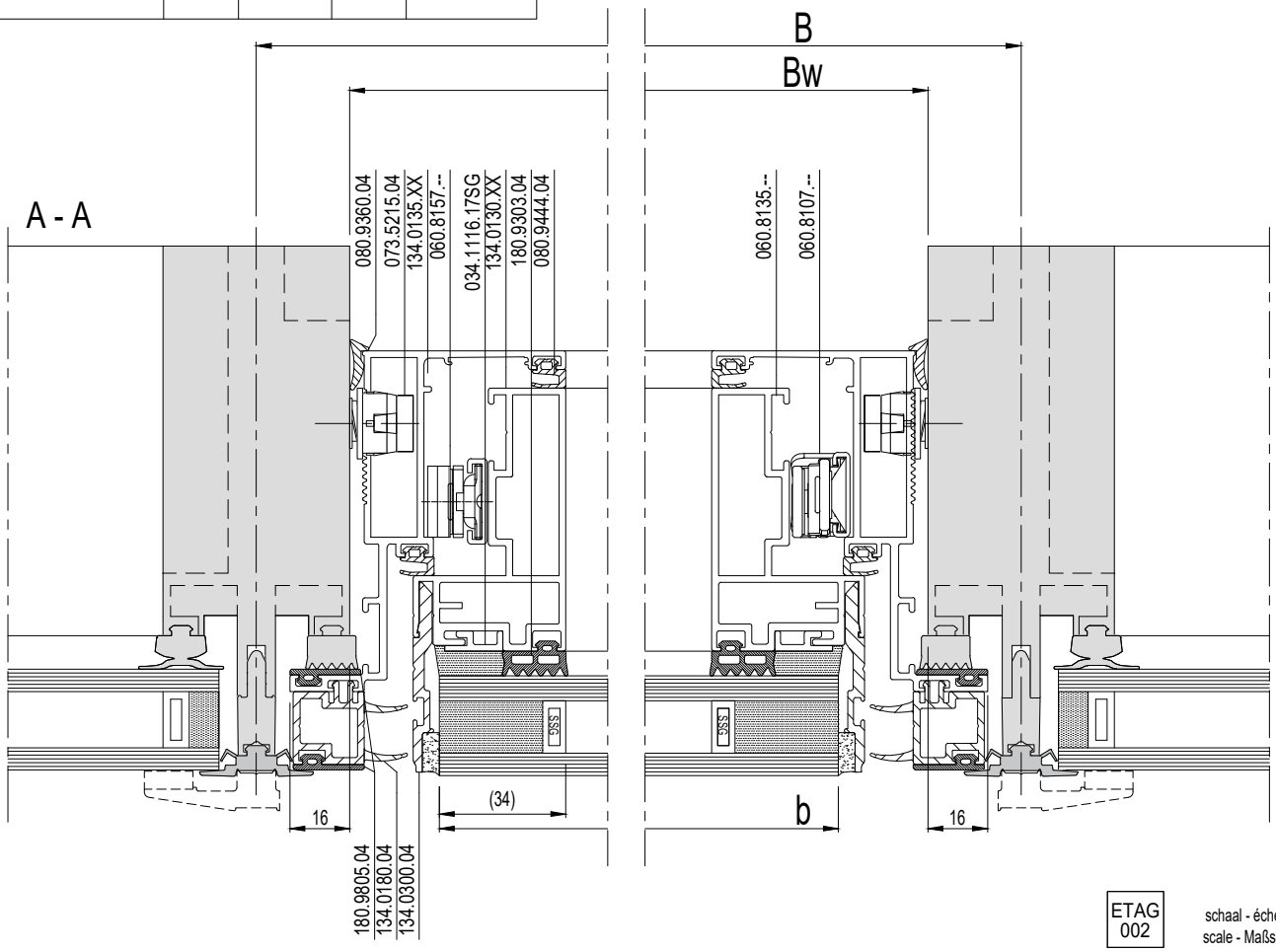


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0180.04**			2	Bw + 30
			2	Hw + 30
134.0300.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-HL
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-HL
OUTWARD OPENING WINDOW THW SG - CW50-HL
AUSSEN OEFF. ELEM. THW SG - CW50-HL

Reynaers Aluminium

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

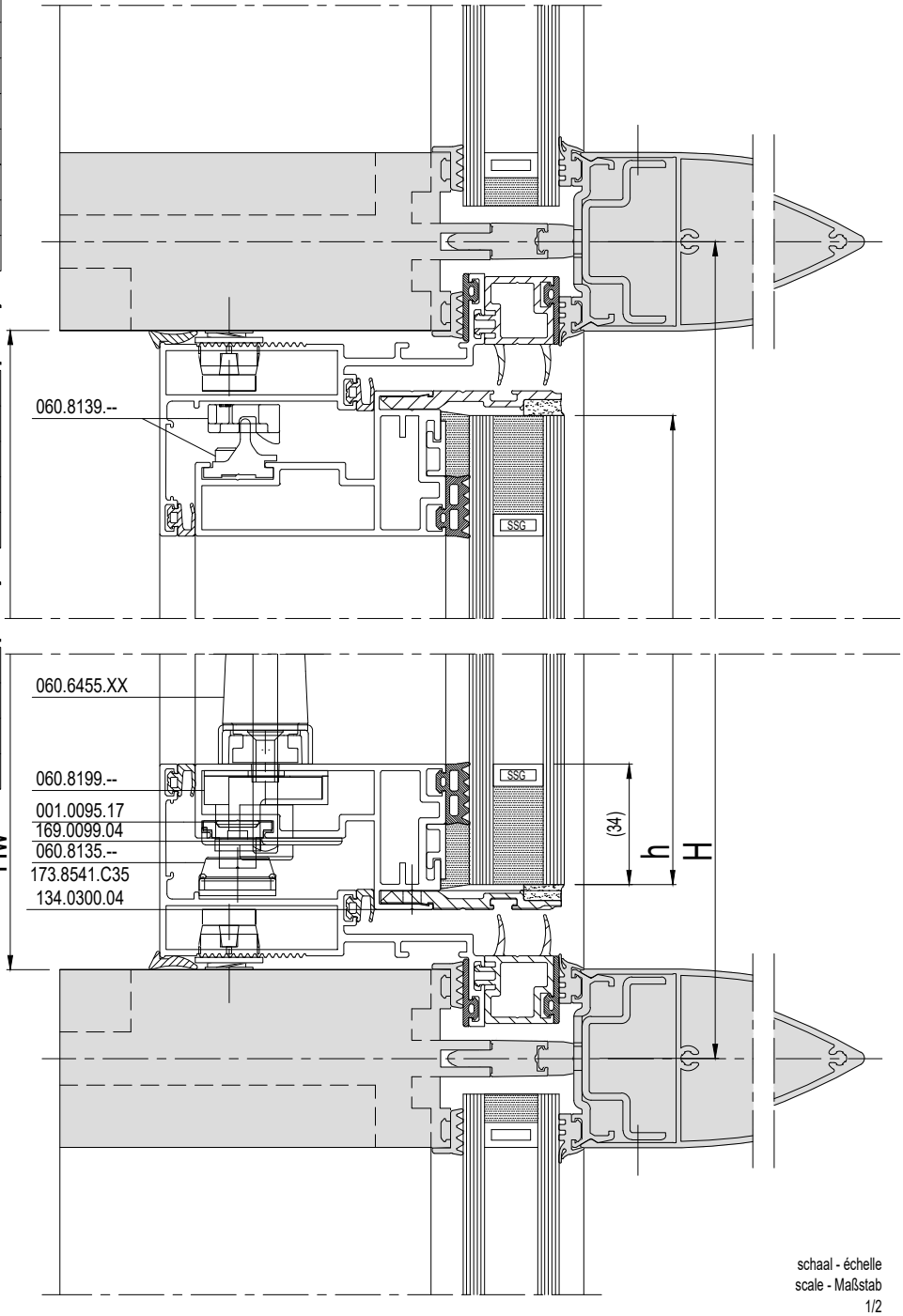
		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5713.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

B - B



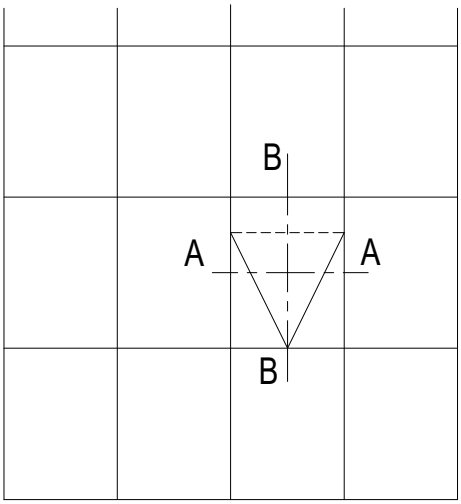
ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW SG - CW50-HL/HI
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-HL/HI
OUTWARD OPENING WINDOW THW SG - CW50-HL/HI
AUSSEN OEFF. ELEM. THW SG - CW50-HL/HI

Reynaers Aluminium

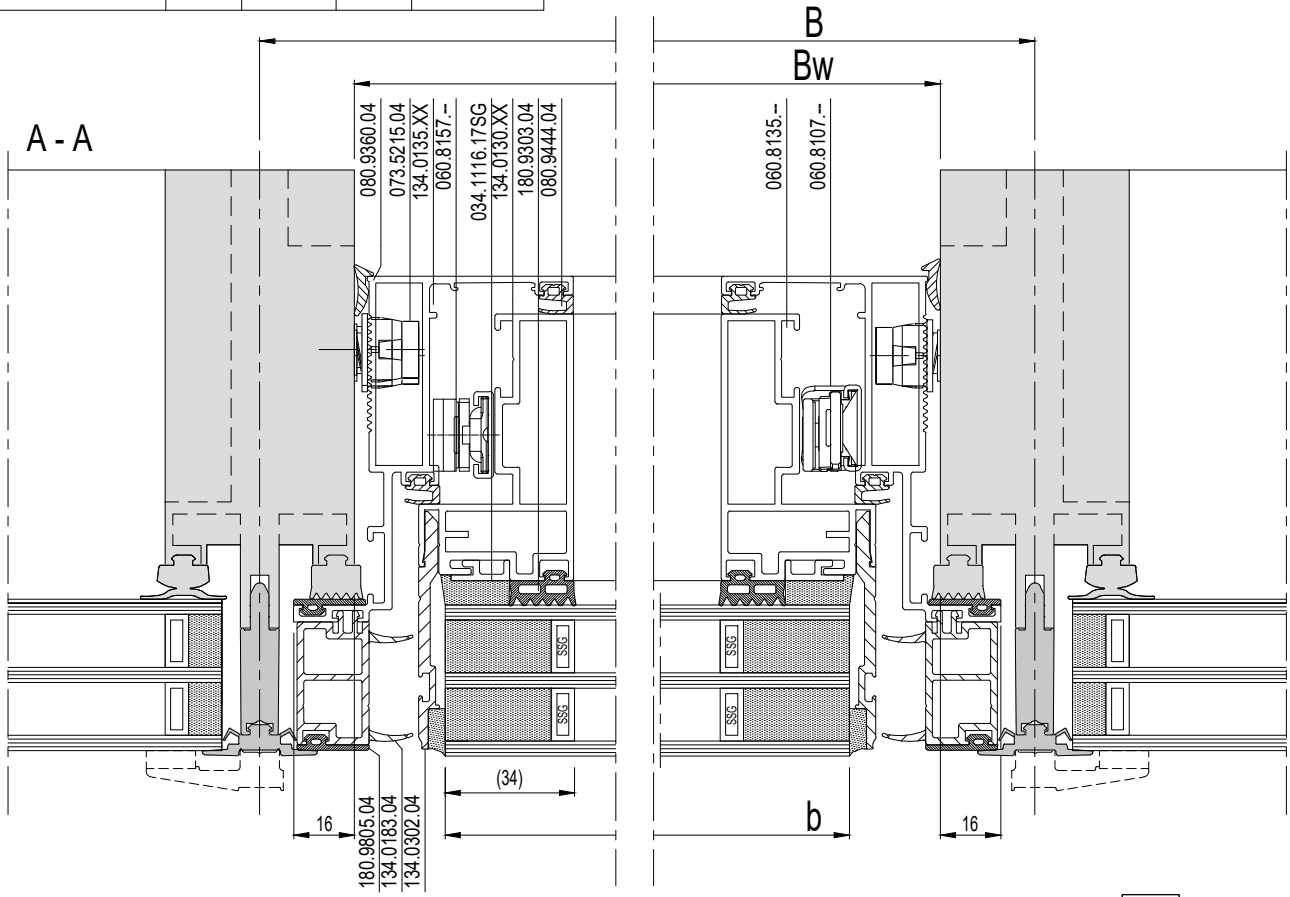


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		8
173.8533.C35**		2
052.5333.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0183.04**			2	Bw + 30
			2	Hw + 30
134.0302.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-HL/HI
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-HL/HI
OUTWARD OPENING WINDOW THW SG - CW50-HL/HI
AUSSEN OEFF. ELEM. THW SG - CW50-HL/HI

Reynaers Aluminium

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

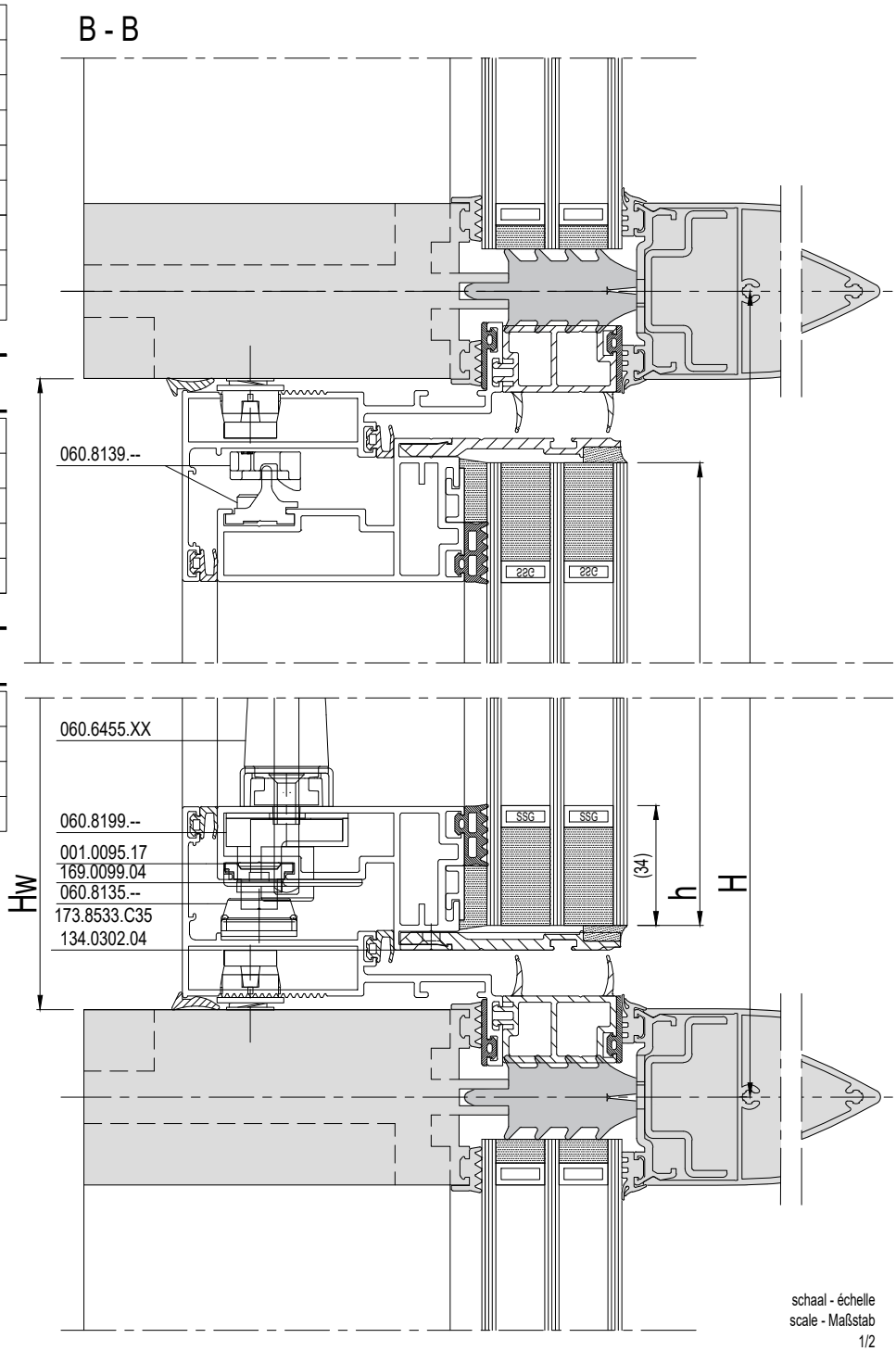
		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5713.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

B - B

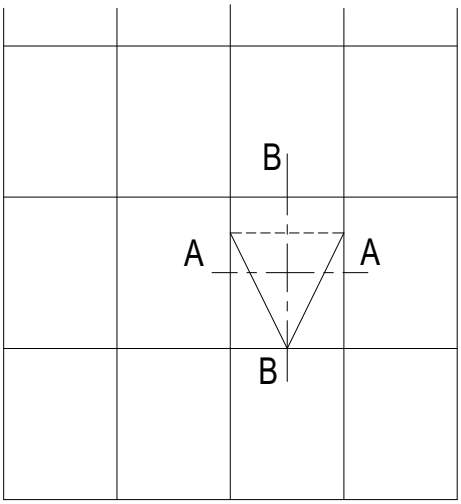


ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW SG - CW50-VL
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-VL
OUTWARD OPENING WINDOW THW SG - CW50-VL
AUSSEN OEFF. ELEM. THW SG - CW50-VL

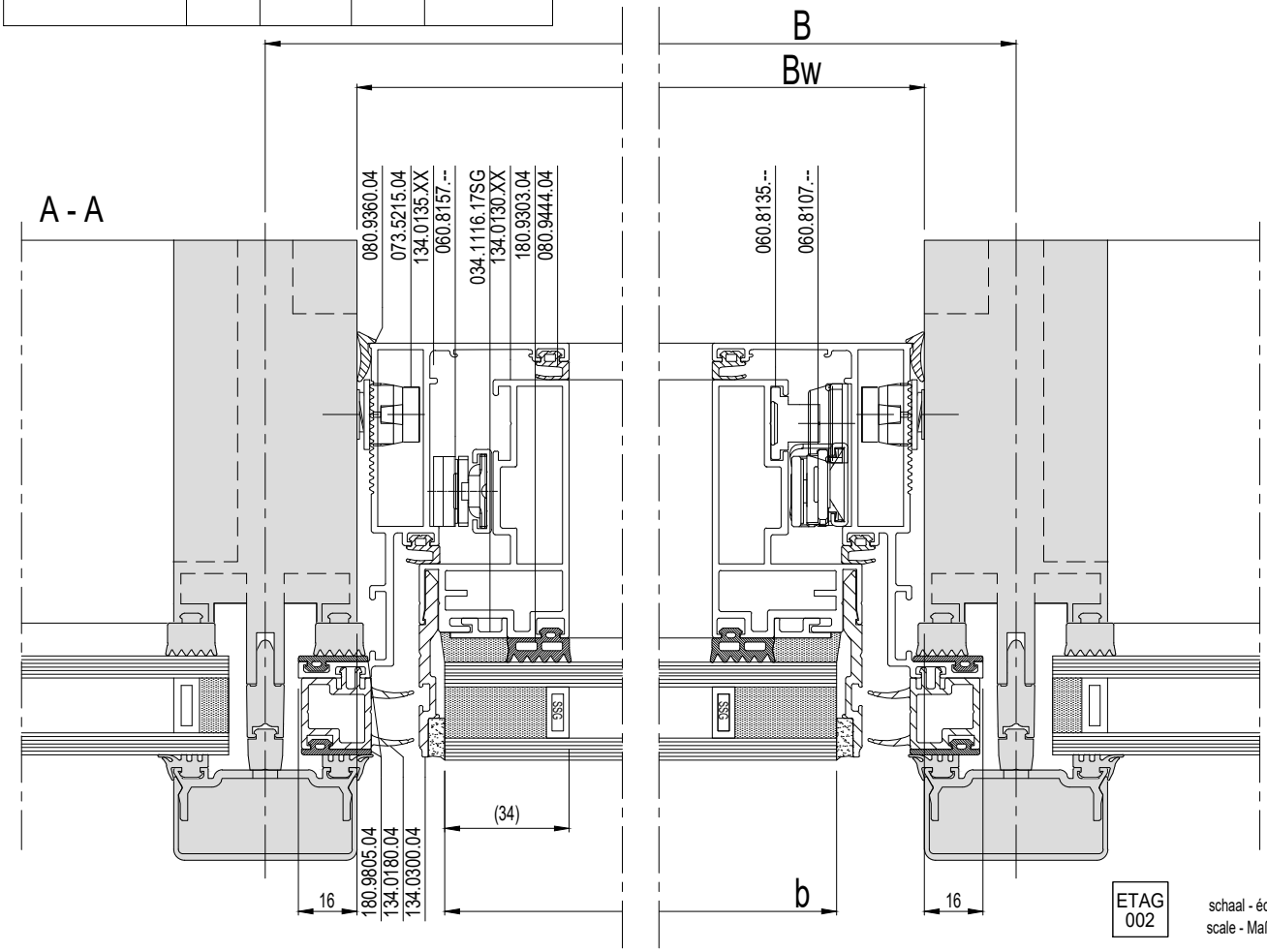


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0180.04**			2	Bw + 30
			2	Hw + 30
134.0300.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



BUITENDRAAIEND ELEM THW SG - CW50-VL
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-VL
OUTWARD OPENING WINDOW THW SG - CW50-VL
AUSSEN OEFF. ELEM. THW SG - CW50-VL

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

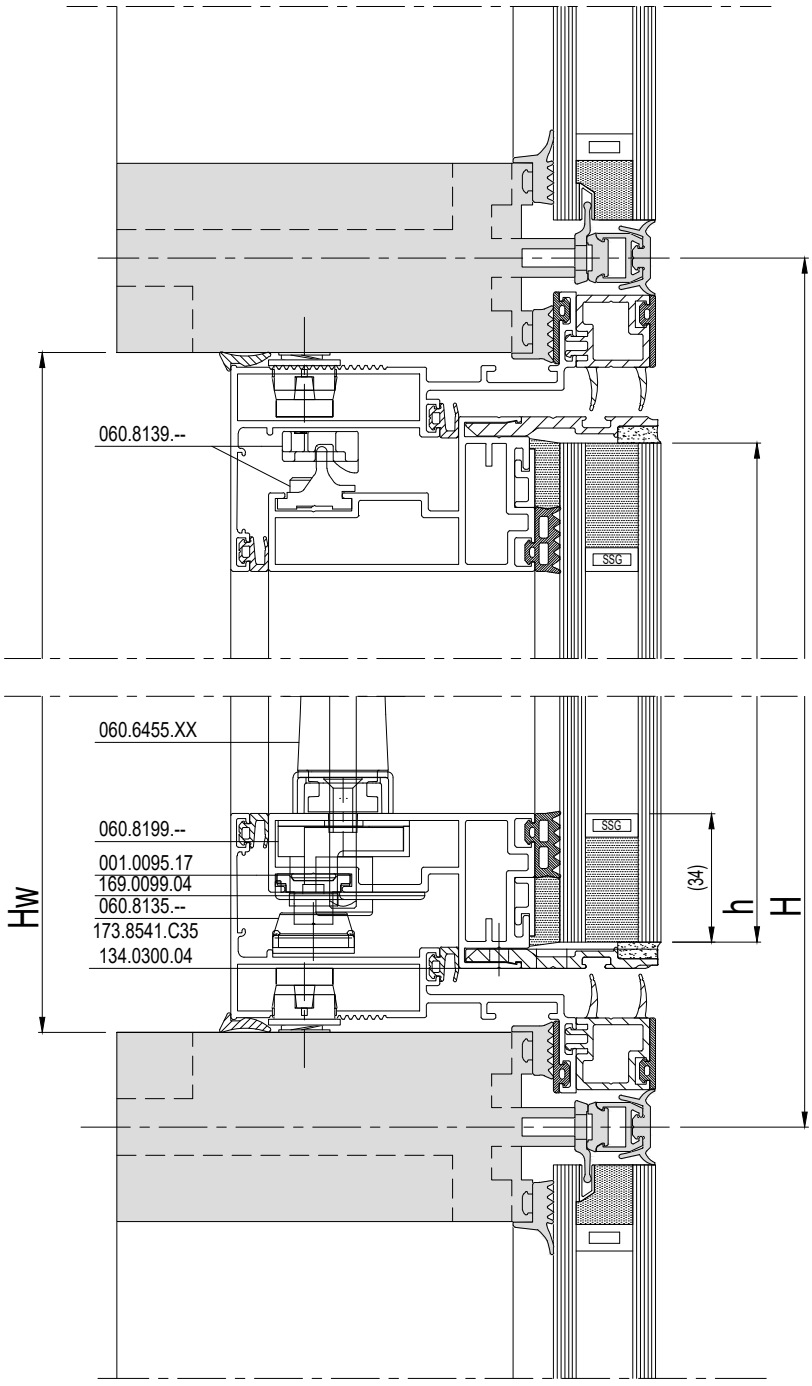
		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5713.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

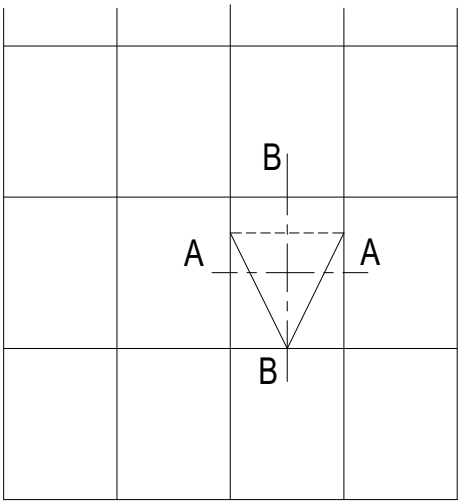
B - B



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-VL/HI
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-VL/HI
OUTWARD OPENING WINDOW THW SG - CW50-VL/HI
AUSSEN OEFF. ELEM. THW SG - CW50-VL/HI

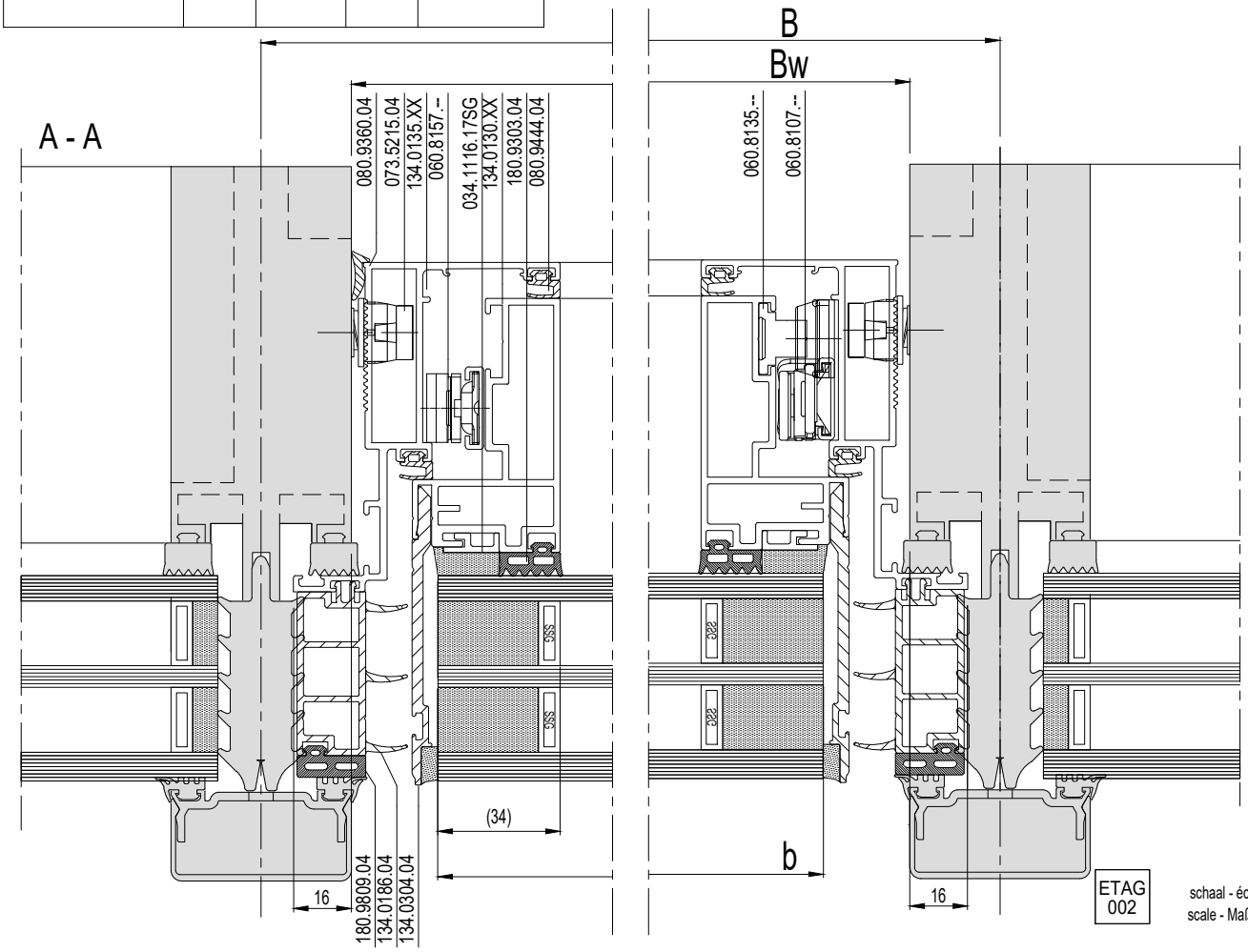


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		8
173.8536.C35**		2
052.5333.--		8
180.9809.04**		2x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 34
			2	Hw - 34
134.0186.04**			2	Bw + 30
			2	Hw + 30
134.0304.04**			2	Bw - 34
			2	Hw - 34
001.0095.17			-	15M.F. ...

b = Bw - 48
h = Hw - 48



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - CW50-VL/HI
ELEM.OUVERTURE VERS L'EXT. THW SG - CW50-VL/HI
OUTWARD OPENING WINDOW THW SG - CW50-VL/HI
AUSSEN OEFF. ELEM. THW SG - CW50-VL/HI

Reynaers Aluminium

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

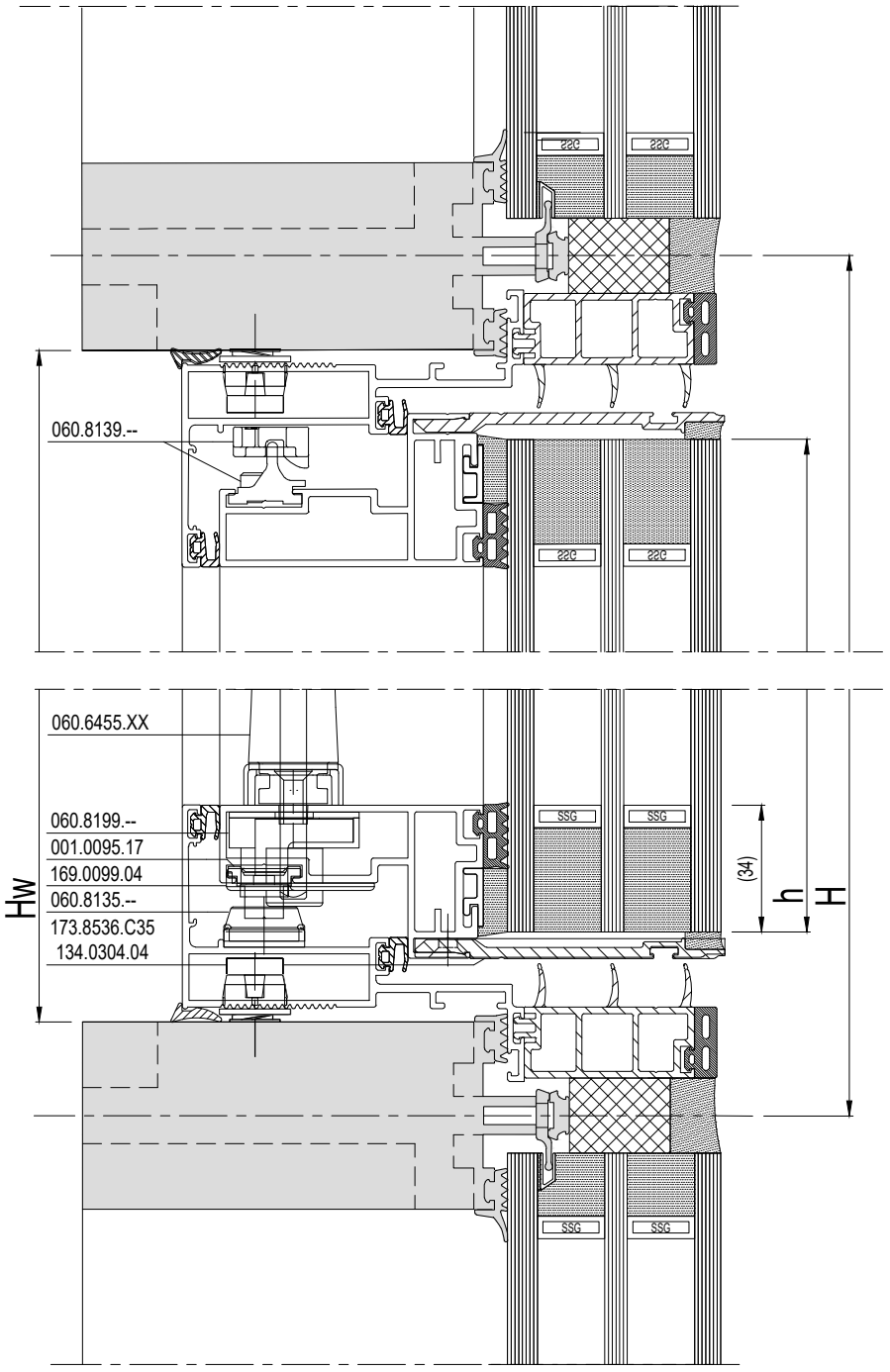
		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5713.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

B - B

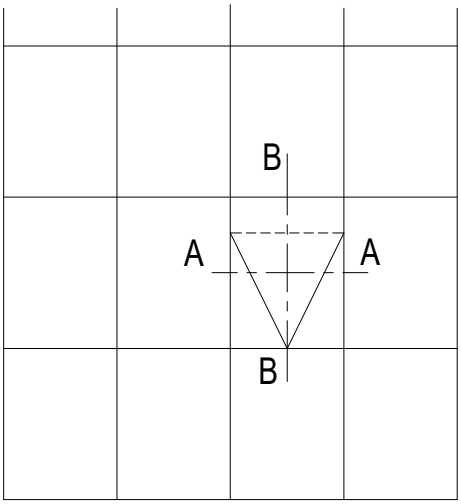


E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SGS - CW50-SC
ELEM.OUVERTURE VERS L'EXT. THW SGS - CW50-SC
OUTWARD OPENING WINDOW THW SGS - CW50-SC
AUSSEN OEFF. ELEM. THW SGS - CW50-SC

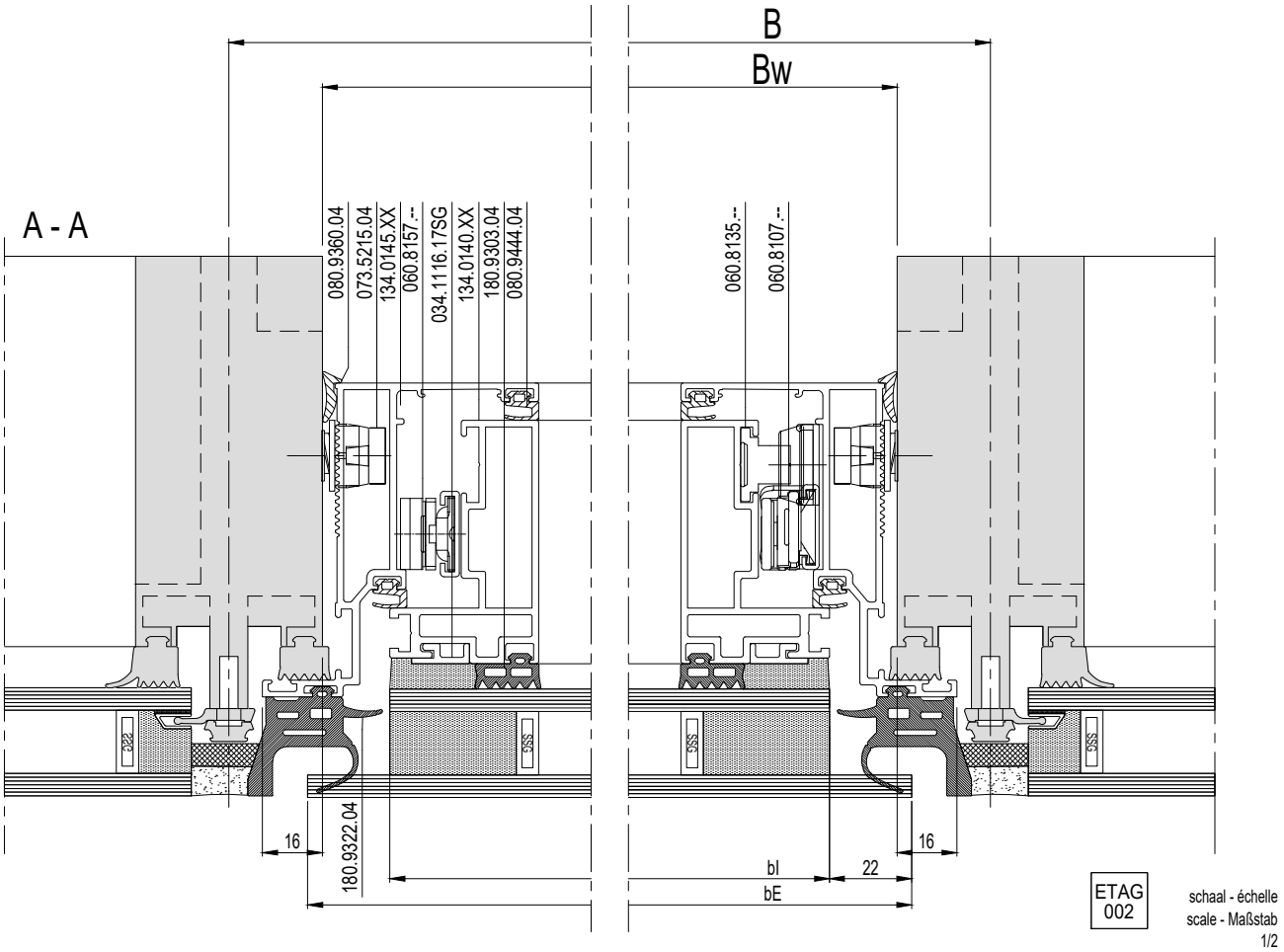


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
060.8721.00		4
173.8510.C35**		4
051.5281.--		8
180.9322.04**		2x(Hw+Bw+80)+0.75%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-82)+1%
073.5215.00		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0145.XX			2	Bw + 32
			2	Hw + 32
134.0140.XX 034.1116.17			2	Bw - 36
			2	Hw - 36
001.0095.17			-	15M.F. ...

bl = Bw - 36
bE = Bw + 8
hl = Hw - 36
hE = Hw + 8



BUITENDRAAIEND ELEM THW SGS - CW50-SC
ELEM.OUVERTURE VERS L'EXT. THW SGS - CW50-SC
OUTWARD OPENING WINDOW THW SGS - CW50-SC
AUSSEN OEFF. ELEM. THW SGS - CW50-SC

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

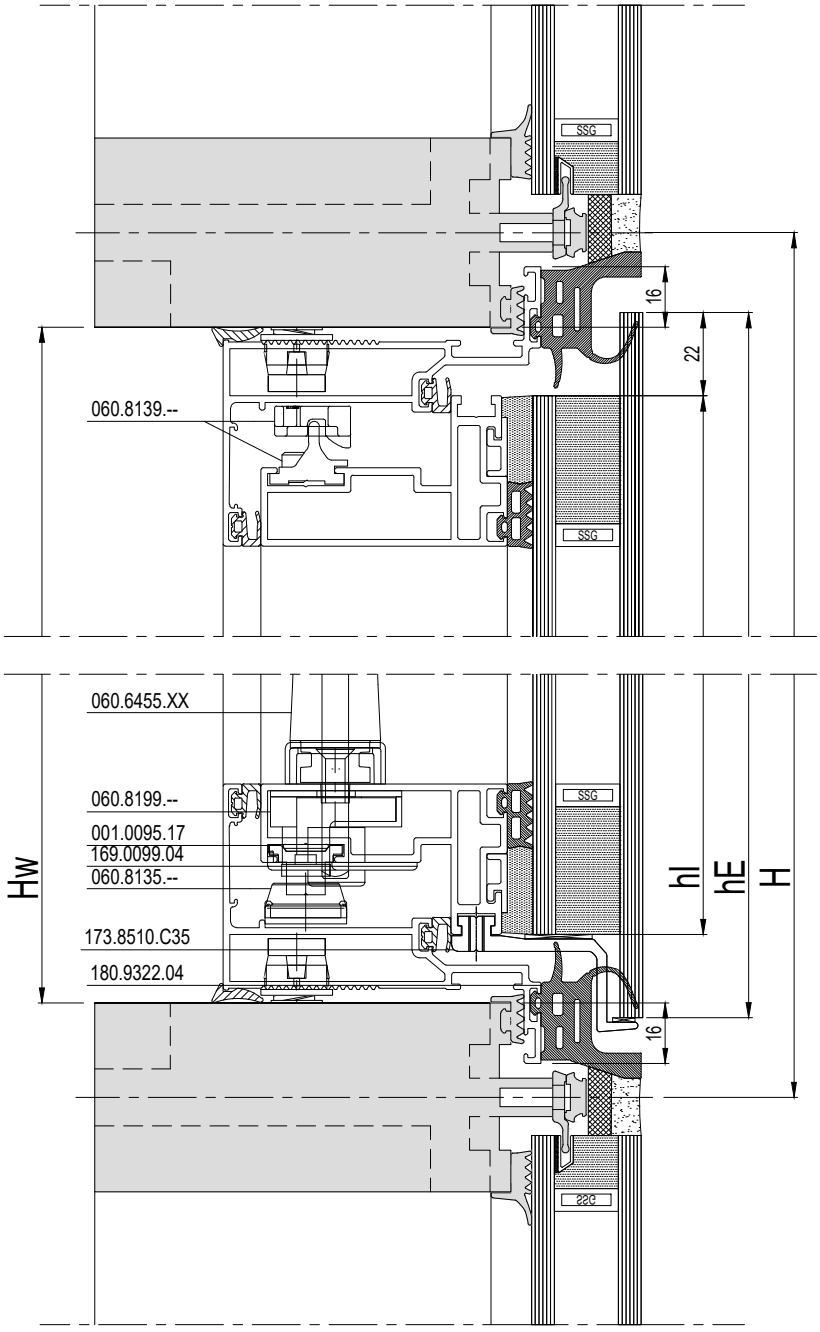
	#
060.6455.XX**	1
060.8199.XX**	1
050.5011.--	2
169.0099.04**	1
052.5312.--	2

	#
060.8131.--**	1
052.5332.--	12
060.8135.--**	2
052.5332.--	6
060.8139.--**	2
052.5310.--	2
052.5311.--	4

	#
060.8107.--**	1
050.5119.--	10
052.5330.--	10
057.5714.--	6
060.8100.--	1

	#
060.8157.--**	1
052.5330.--	6
050.5000.--	2
050.5119.--	2

B - B

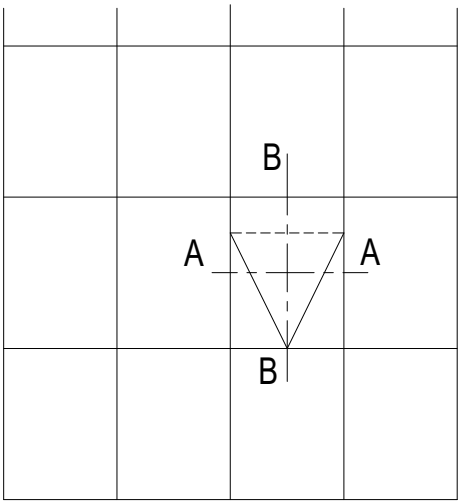


ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW SGS - CW50-SC/HI
ELEM.OUVERTURE VERS L'EXT. THW SGS - CW50-SC/HI
OUTWARD OPENING WINDOW THW SGS - CW50-SC/HI
AUSSEN OEFF. ELEM. THW SGS - CW50-SC/HI

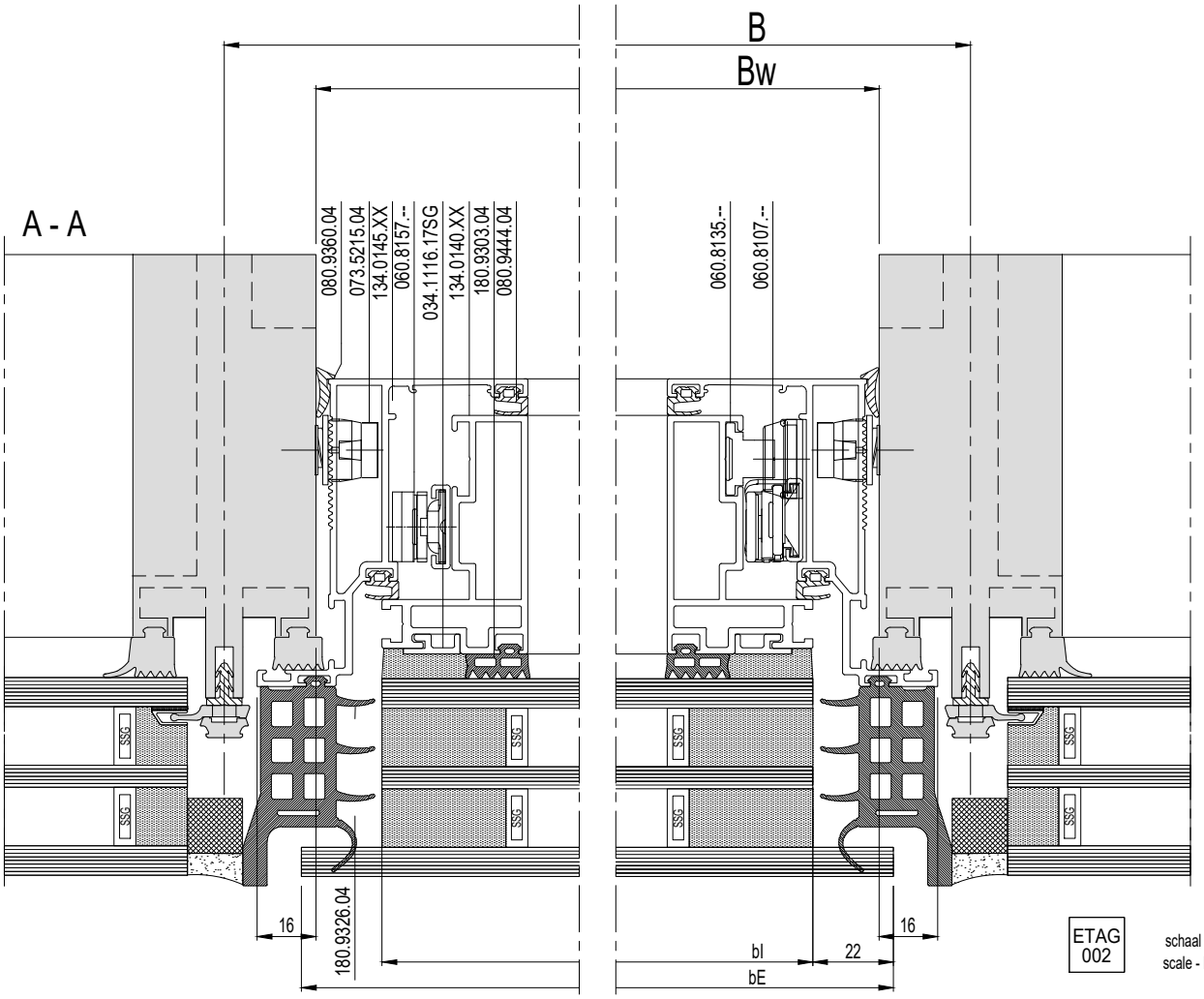


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
060.8721.00		4
173.8516.C35**		4
051.5281.--		8
180.9326.04**		2x(Hw+Bw+80)+0.75%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-82)+1%
073.5215.00		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0145.XX			2	Bw + 32
			2	Hw + 32
134.0140.XX 034.1116.17			2	Bw - 36
			2	Hw - 36
001.0095.17			-	15M.F. ...

bl = Bw - 36
bE = Bw + 8
hl = Hw - 36
hE = Hw + 8



E

BUITENDRAAIEND ELEM THW SGS - CW50-SC/HI
ELEM.OUVERTURE VERS L'EXT. THW SGS - CW50-SC/HI
OUTWARD OPENING WINDOW THW SGS - CW50-SC/HI
AUSSEN OEFF. ELEM. THW SGS - CW50-SC/HI

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

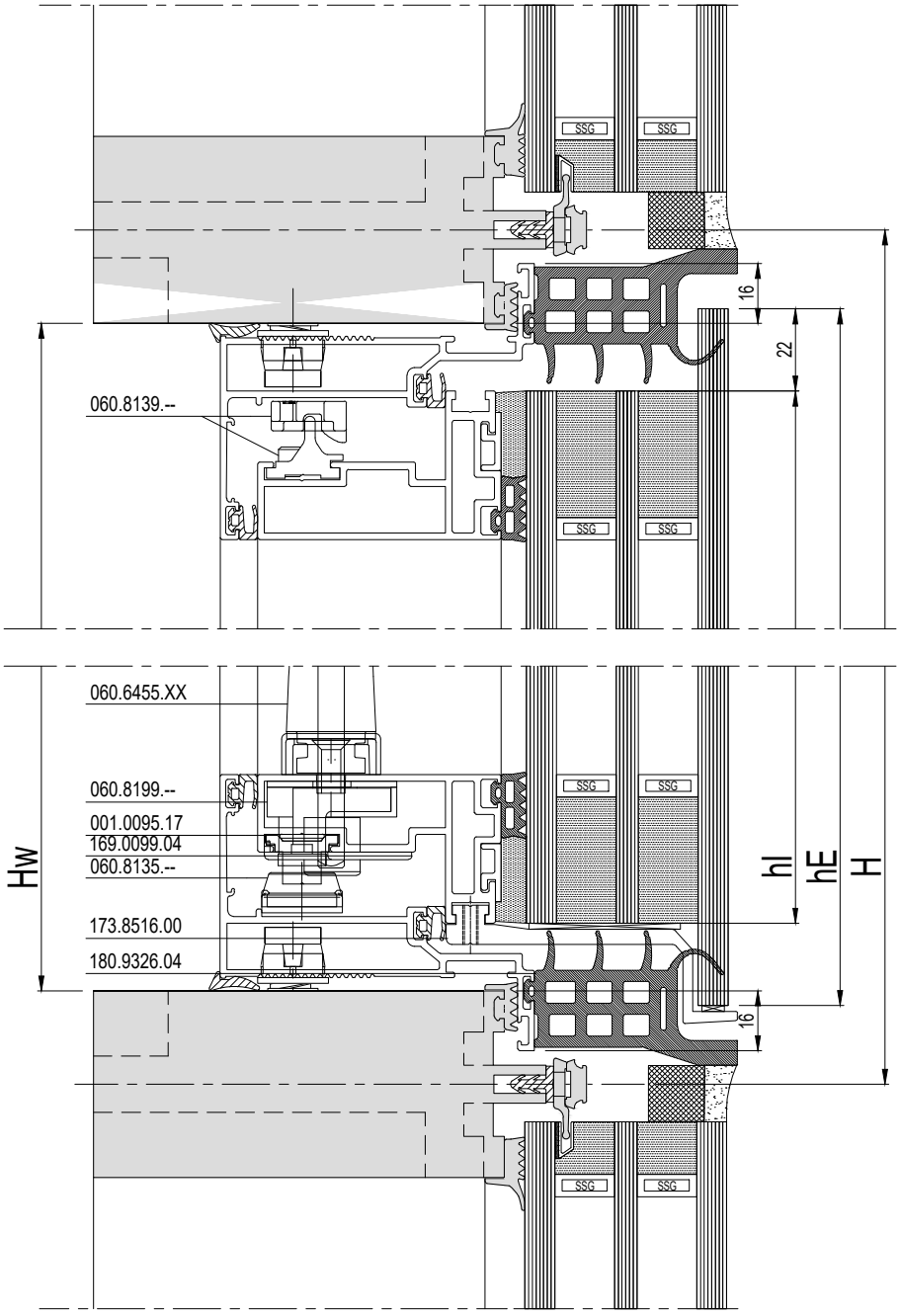
	#
060.6455.XX**	1
060.8199.XX**	1
050.5011.--	2
169.0099.04**	1
052.5312.--	2

	#
060.8131.--**	1
052.5332.--	12
060.8135.--**	2
052.5332.--	6
060.8139.--**	2
052.5310.--	2
052.5311.--	4

	#
060.8107.--**	1
050.5119.--	10
052.5330.--	10
057.5714.--	6
060.8100.--	1

	#
060.8157.--**	1
052.5330.--	6
050.5000.--	2
050.5119.--	2

B - B

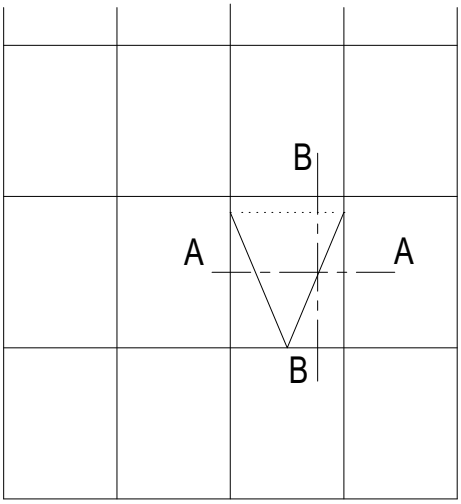


ETAG
002

schaal - échelle
scale - Maßstab
1/2

E

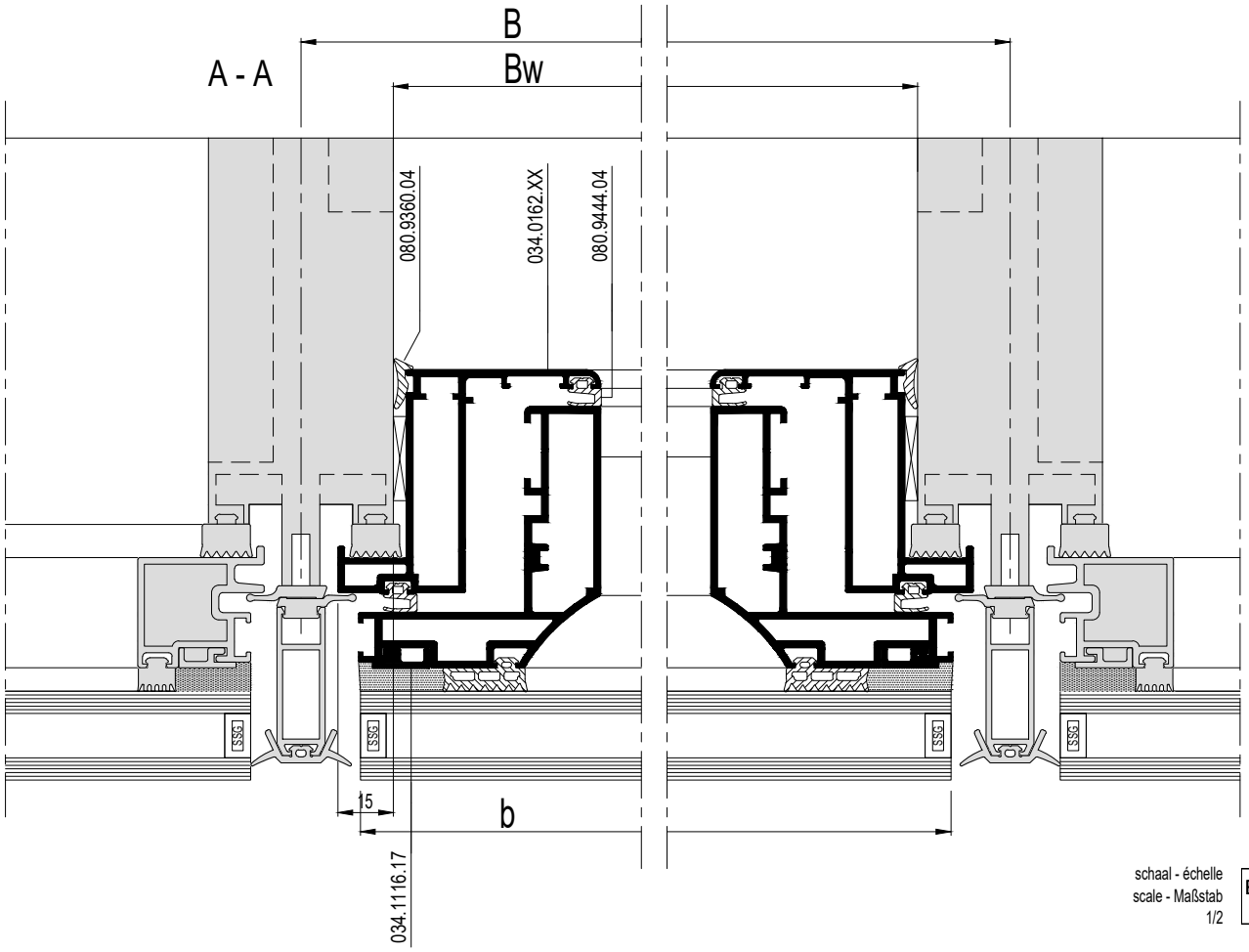
BUITENDRAAIEND ELEM THW - CW50-SG - CW 60-SG
ELEM.OUVERTURE VERS L'EXT. THW - CW50-SG - CW 60-SG
OUTWARD OPENING WINDOW THW - CW50-SG - CW 60-SG
AUSSEN OEFF. ELEM. THW - CW50-SG - CW 60-SG



b = Bw + 19
h = Hw + 19

			#	Lm	
034.0162.XX			2	Bw + 30	15M.C...
			2	Hw + 30	
034.0163.XX			2	Bw + 19	15M.C...
034.1116.17			2	Hw + 19	15M.C...
001.0075.17			-	15M.F....	15M.C...

		#	
068.7300.00		8	15M.G...
021.5640.-- (*)		1	15M.G...
050.5119.--		6	15M.G...
050.5009.--		6	15M.G...
057.5711.--		4	15M.G...
060.7872.--		15M.F....	15M.G...
060.7065.--		15M.F....	15M.G...
060.7075.--		15M.F....	15M.G...
073.7290.39		2	15M.G...
060.8583.PA		1	15M.G...
080.9360.04		2x(Bw+Hw)+100	15M.G...
080.9444.04		2x(Bw+Hw)+50	15M.G...
		2x(Bw+Hw)-100	
080.9303.04		2x(Bw+Hw)-80	15M.G...

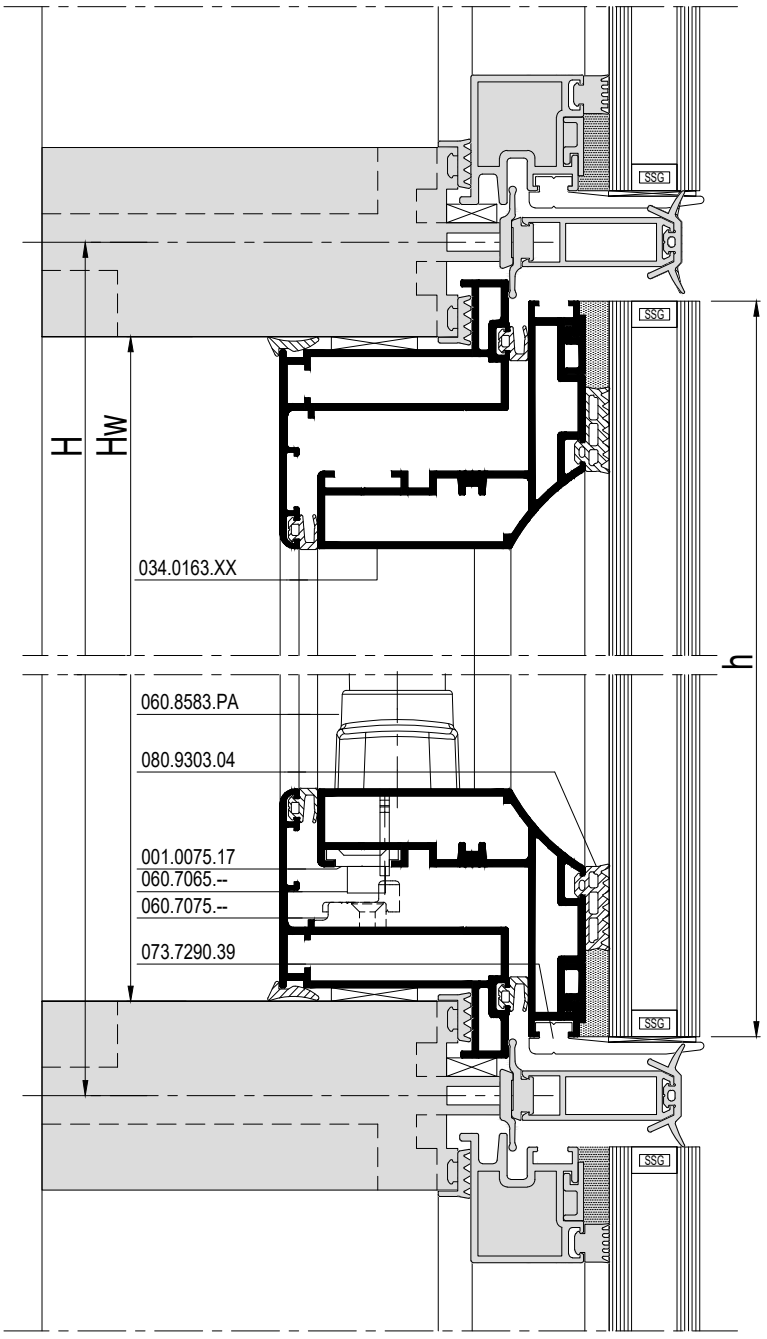


schaal - échelle
scale - Maßstab
1/2

ETAG 002

		#	
(*) of/ou/or/oder			
021.5650.--		1	15M.G. ...
050.5119.--		6	15M.G. ...
050.5009.--		8	15M.G. ...
057.5710.--		6	15M.G. ...
057.5711.--		4	15M.G. ...
050.5012.--		2	15M.G. ...
(*) of/ou/or/oder			
021.5660.--		1	15M.G. ...
050.5119.--		6	15M.G. ...
050.5009.--		8	15M.G. ...
057.5710.--		6	15M.G. ...
057.5711.--		4	15M.G. ...
050.5012.--		2	15M.G. ...
(*) of/ou/or/oder			
060.8370.--		1	15M.G. ...
050.5119.--		12	15M.G. ...
057.5711.--		12	15M.G. ...
050.5009.--		4	15M.G. ...
052.5344.--		4	15M.G. ...
060.7169.--		1	15M.G. ...
050.5119.--		6	15M.G. ...
052.5330.--		8	15M.G. ...
057.5711.--		6	15M.G. ...

B - B

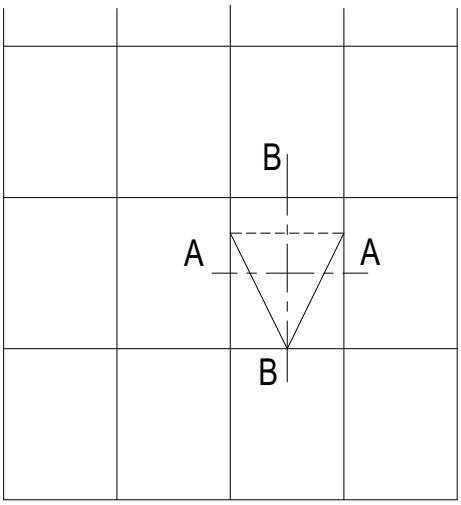


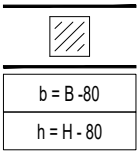
schaal - échelle
scale - Maßstab
1/2

ETAG 002

E

UITZETZAKRAAM FV SG
FENETRE OUVRANT A L'ITALIENNE FV SG
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG
SENKKLAPPFENSTER FV SG

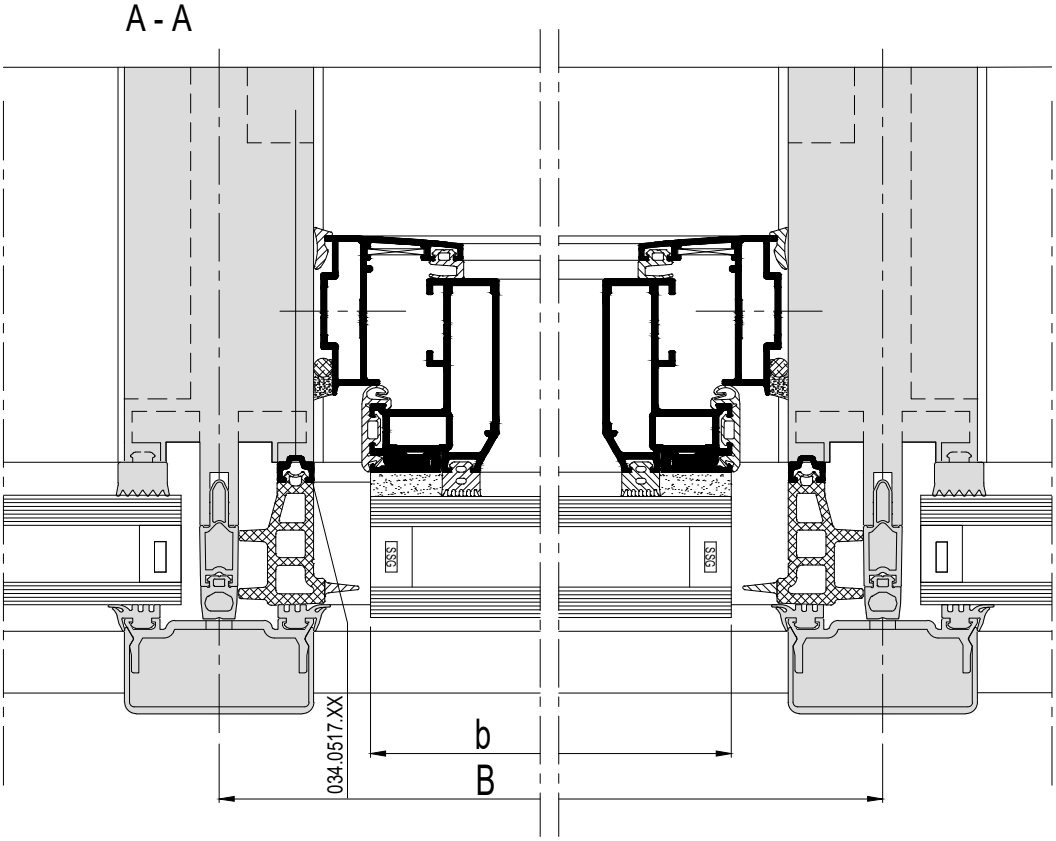




			#	Lm	
034.0140.XX			2	B - 54	15M.F....
			2	H - 54	
034.0141.XX			2	B - 80	15M.F....
			2	H - 80	
034.0142.17			2	B - 80	15M.F....
			2	H - 80	
034.0583.04			2	B - 9	15M.F....
			2	H - 47	
011.2025.AN			-	15M.F....	15M.F....
034.0517.XX			2	H - 50	15M.F....

		#	
021.5848.00		4	15M.G....
021.5846.00		4	15M.G....
021.5847.00		4	15M.G....
060.7722.--		4	15M.G....
021.5842.00		1	15M.G....
025.1007.07		4	15M.G....
022.5255.--		15M.G	15M.G....
037.7465.--		15M.G	15M.G....
021.5044.SY		15M.G	15M.G....
021.3039.07		15M.G	15M.G....
021.5859.35		2	15M.G....
021.5633.04		2	15M.G....
021.5862.35		4	15M.G....
080.9505.SY		(2xB)+(2xH)	15M.G....
080.9300.04		(2xB)+(2xH)	15M.G....
080.9444.04		(2xH)+(2xB)	15M.G....
029.5617.04		(2xH)+(2xB)	15M.G....
021.2288.XX		1	15M.G....
021.2289.--		1	15M.G....

A - A



schaal - échelle
scale - Maßstab
1/2

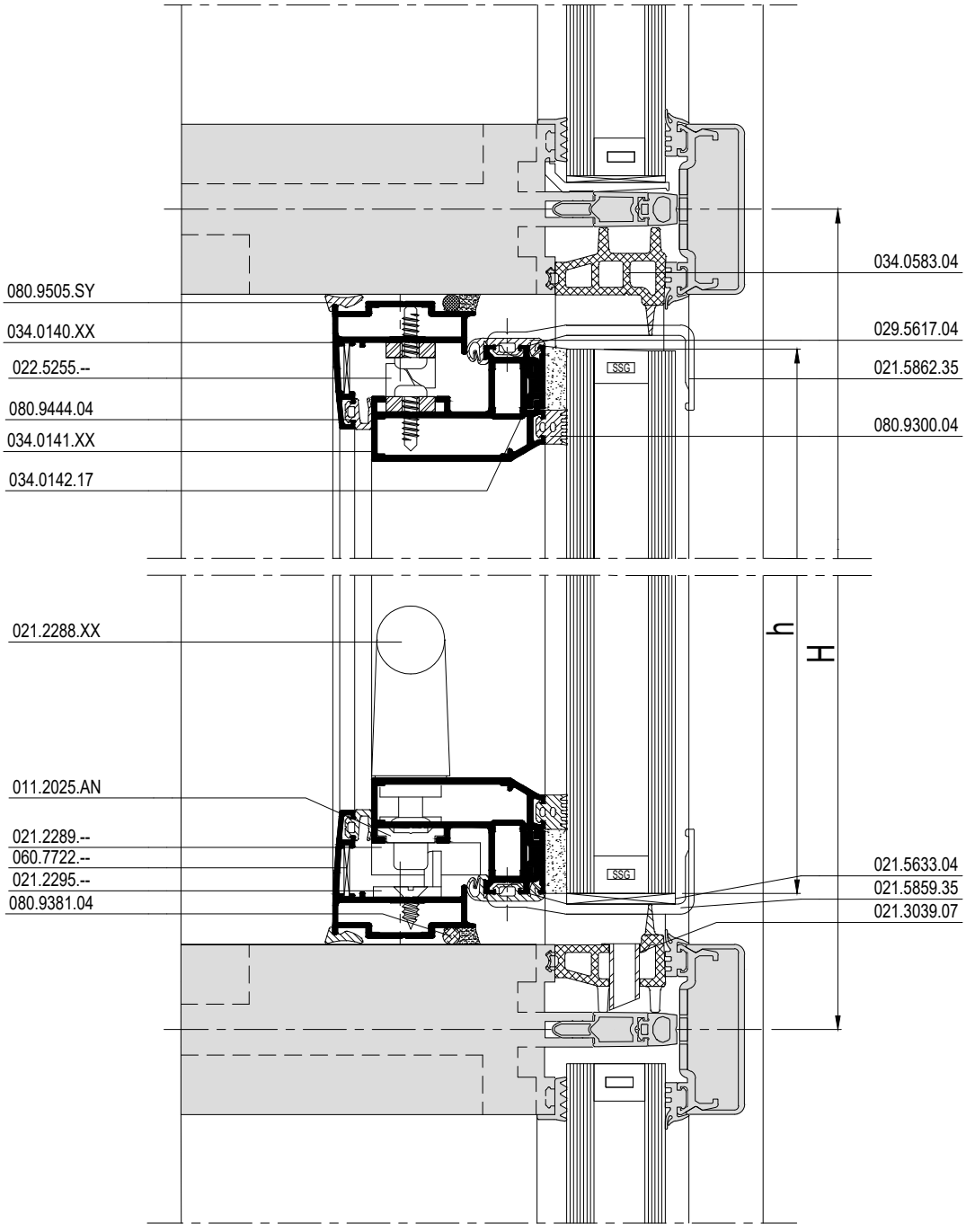
E

⚠ Remarques / Remarks

- Choix des compas : voir pages F
- Choice of restrictor : see pages F
- Choix des condamnations : voir pages F
- Locking choice : see pages F
- Choix des joints : voir pages F
- Choice of gaskets : see pages F

- Section réalisée avec remplissage de 32mm
- Sample realised with thickness filling 32mm

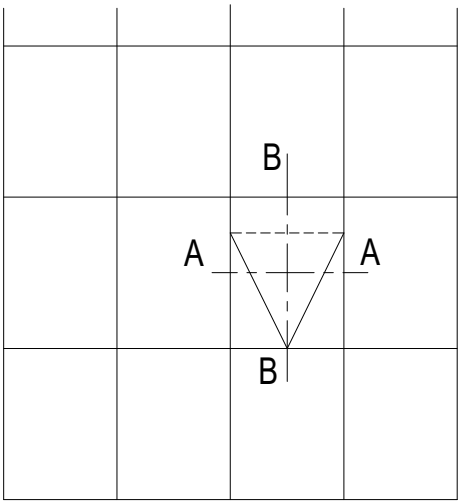
B - B



schaal - échelle
scale - Maßstab
1/2

E

UITZETZAKRAAM FV SG - HL
FENETRE OUVRANT A L'ITALIENNE FV SG - HL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - HL
SENKKLAPPFENSTER FV SG - HL

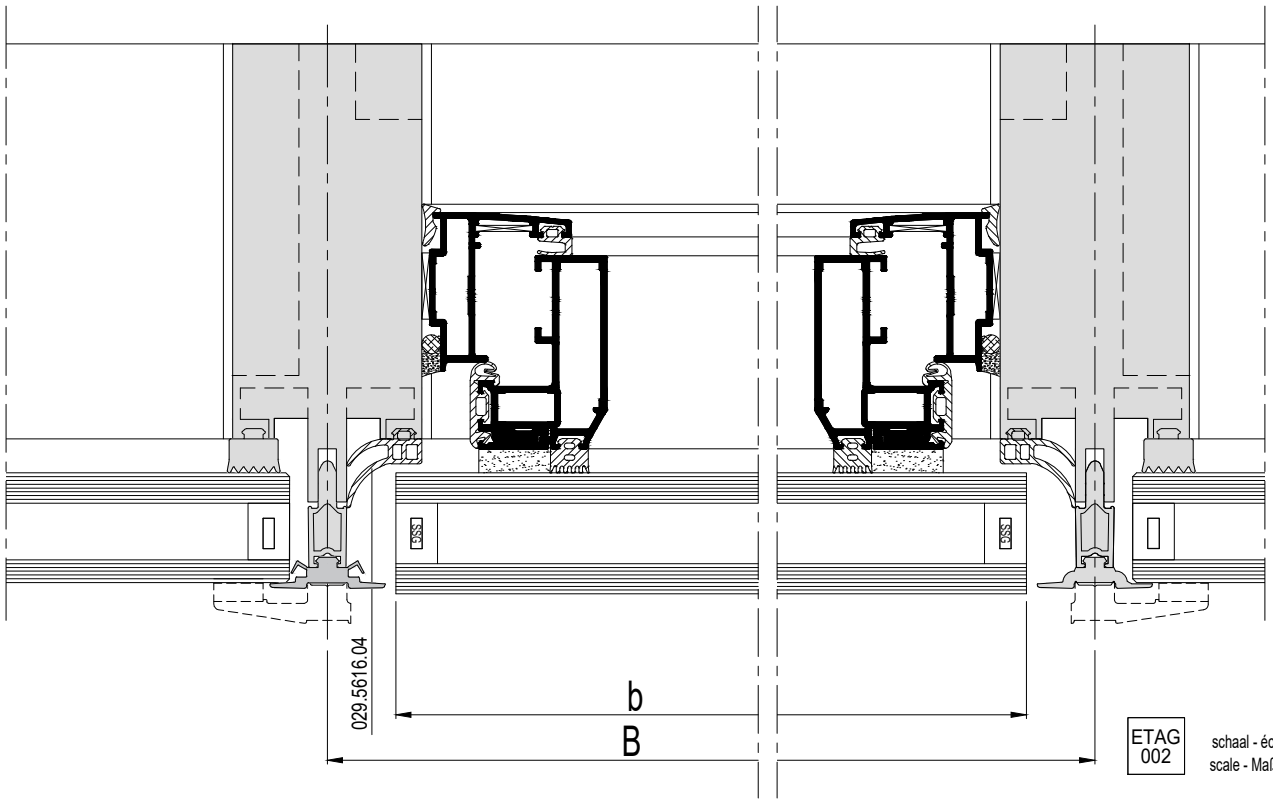


b = B - 36
h = H - 80

			#	Lm	
034.0140.XX			2	B - 54	15M.F....
			2	H - 54	15M.F....
034.0141.XX			2	B - 80	15M.F....
			2	H - 80	15M.F....
034.0142.17			2	B - 80	15M.F....
			2	H - 80	15M.F....
011.2025.AN			-	15M.F....	15M.F....
034.0583.04			2	B-9	15M.F....

		#	
021.5848.00		4	15M.G....
021.5846.00		4	15M.G....
021.5847.00		4	15M.G....
060.7722.--		4	15M.G....
021.5842.00		1	15M.G....
021.1007.07		4	15M.G....
022.5255.--		15M.G....	15M.G....
037.7465.--		15M.G....	15M.G....
021.5044.SY		15M.G....	15M.G....
021.3039.07		15M.G....	15M.G....
021.5859.35		2	15M.G....
021.5633.04		2	15M.G....
021.5862.35		4	15M.G....
080.9505.SY		(2xB)+(2xH)	15M.G....
080.9300.04		(2xB)+(2xH)	15M.G....
080.9444.04		(2xH)+(2xB)	15M.G....
029.5617.04		(2xH)+(2xB)	15M.G....
029.5616.04		(2xH)	15M.G....
021.2288.XX		1	15M.G....
021.2289.--		1	15M.G....

A - A



UITZETZAKRAAM FV SG - HL
FENETRE OUVRANT A L'ITALIENNE FV SG - HL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - HL
SENKKLAPPFENSTER FV SG - HL

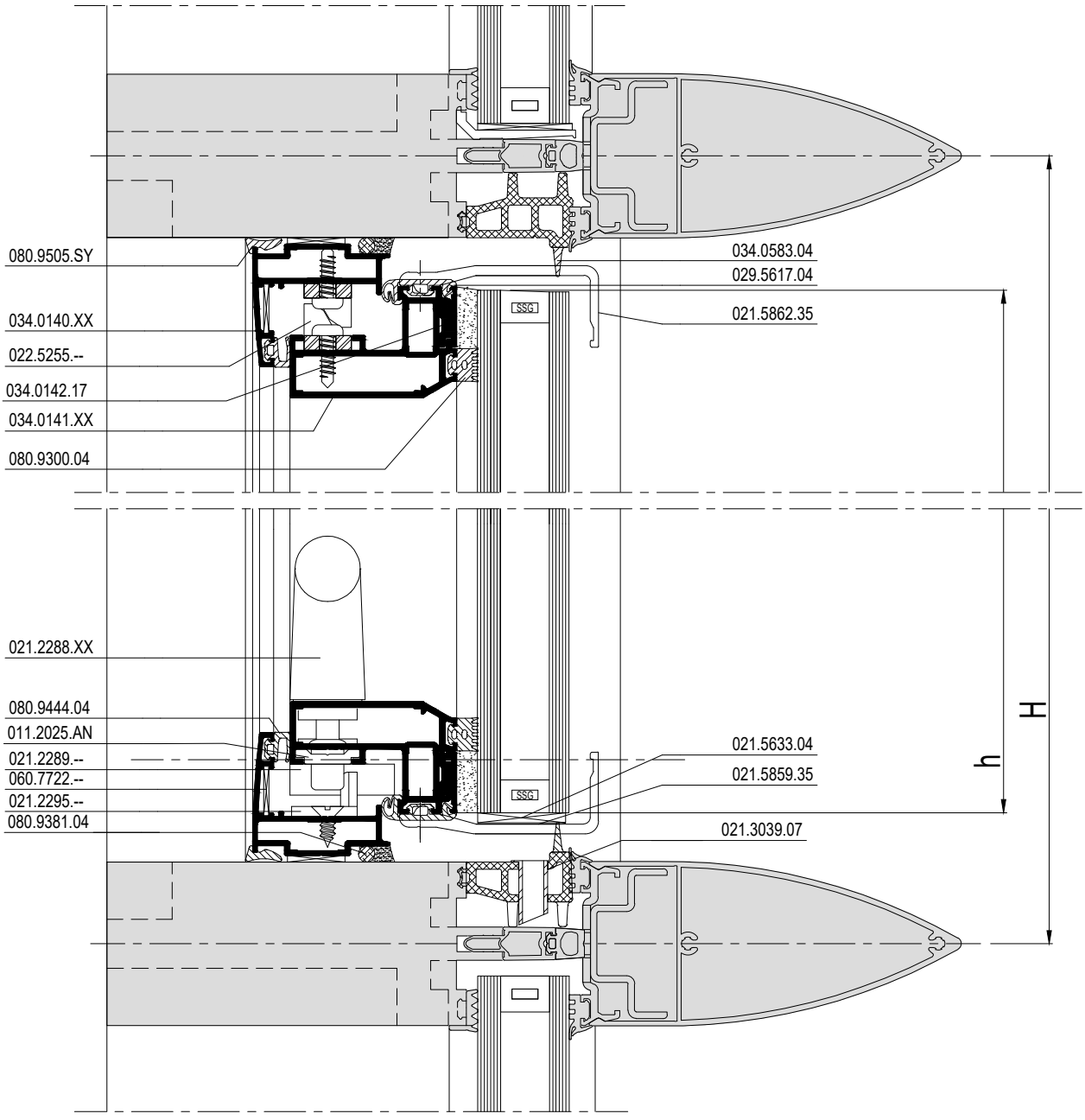
Reynaers Aluminium

⚠ Remarques / Remarks

- Choix des compas : voir pages F
- Choice of restrictor : see pages F
- Choix des condamnations : voir pages F
- Locking choice : see pages F
- Choix des joints : voir pages F
- Choice of gaskets : see pages F

- Section réalisée avec remplissage de 32mm
- Sample realised with thickness filling 32mm

B - B

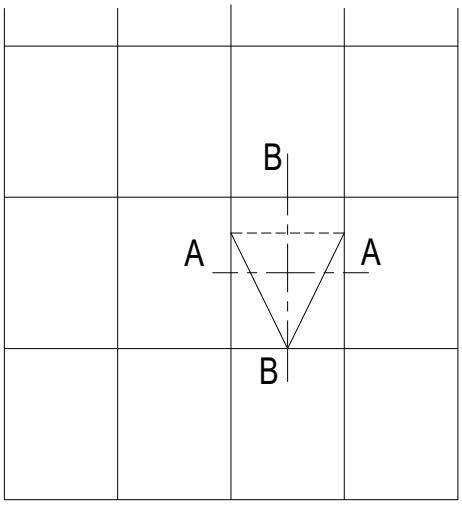


E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

UITZETZAKRAAM FV SG - VL
FENETRE OUVRANT A L'ITALIENNE FV SG - VL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - VL
SENKKLAPPFENSTER FV SG - VL

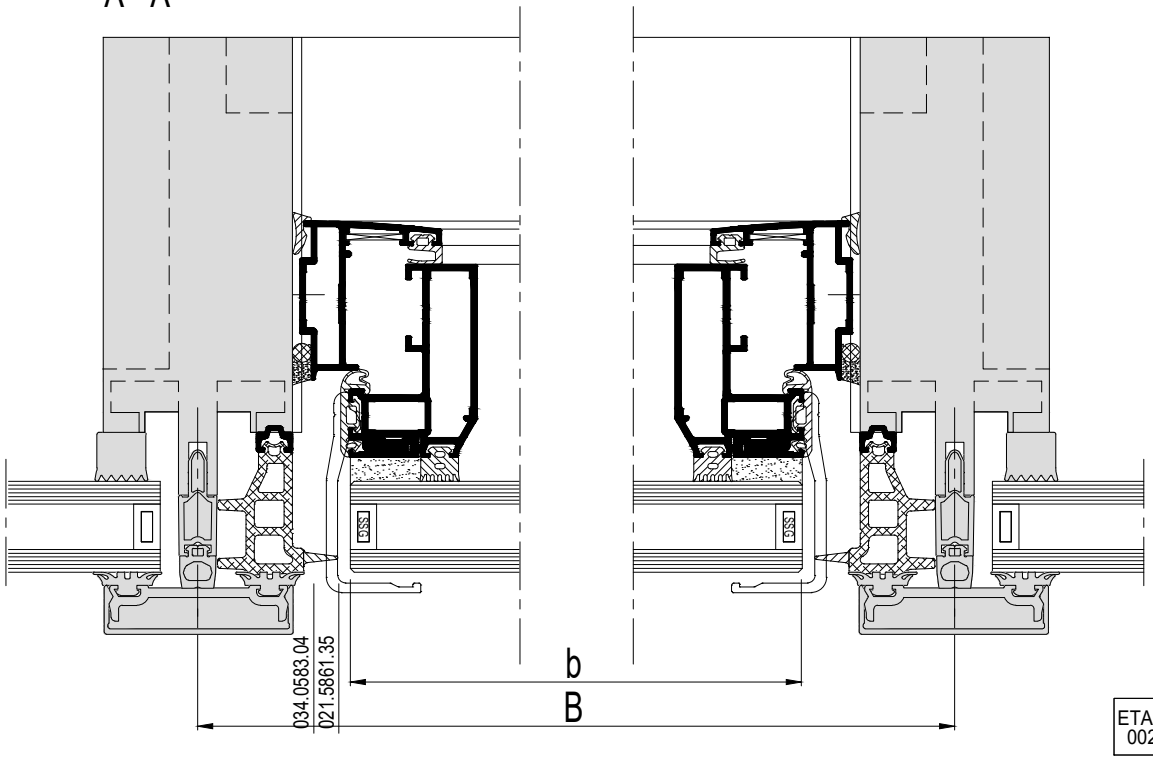


b = B -80	
h = H - 36	

			#	Lm
034.0140.XX			2	B - 54
			2	H - 54
034.0141.XX			2	B - 80
			2	H - 80
034.0142.17			2	B - 80
			2	H - 80
011.2025.AN			-	15M.F....
034.0517.XX			2	H - 50
034.0583.04			2	H-90

		#
021.5848.00		4
021.5846.00		4
021.5847.00		4
060.7722.--		4
021.5842.00		1
025.1007.07		4
080.9250.04		1
073.7108.00		2
021.5632.04		2
021.5861.35		4
080.9505.SY		(2xB)+(2xH)
080.9300.04		(2xB)+(2xH)
080.9444.04		(2xH)+(2xB)
029.5617.04		(2xH)+(2xB)
080.9411.00		(2xB)
022.5255.--		15M.G....
037.7465.--		15M.G....
021.5044.SY		15M.G....
021.2288.XX		1
021.2289.--		1

A - A



ETAG 002

schaal - échelle
scale - Maßstab
1/2

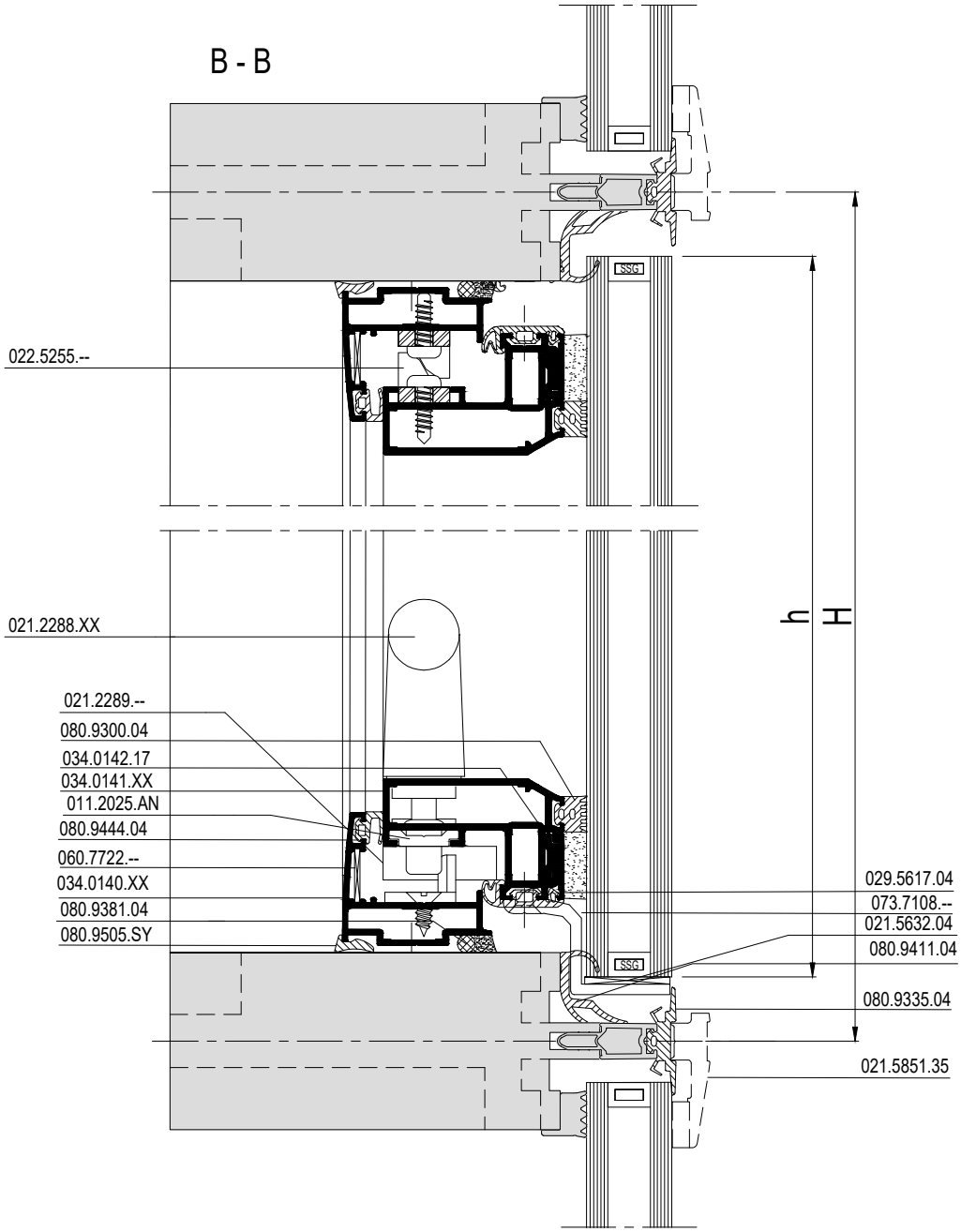
UITZETZAKRAAM FV SG - VL
FENETRE OUVRANT A L'ITALIENNE FV SG - VL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - VL
SENKKLAPPFENSTER FV SG - VL

Reynaers Aluminium

⚠ Remarques / Remarks

- Choix des compas : voir pages F
- Choice of restrictor : see pages F
- Choix des condamnations : voir pages F
- Locking choice : see pages F
- Choix des joints : voir pages F
- Choice of gaskets : see pages F

- Section réalisée avec remplissage de 24mm
- Sample realised with thickness filling 24mm

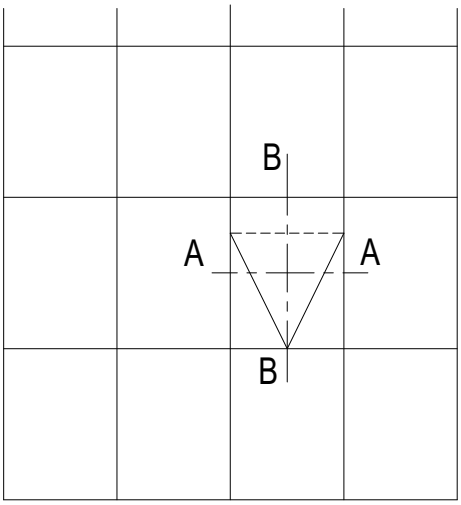


E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

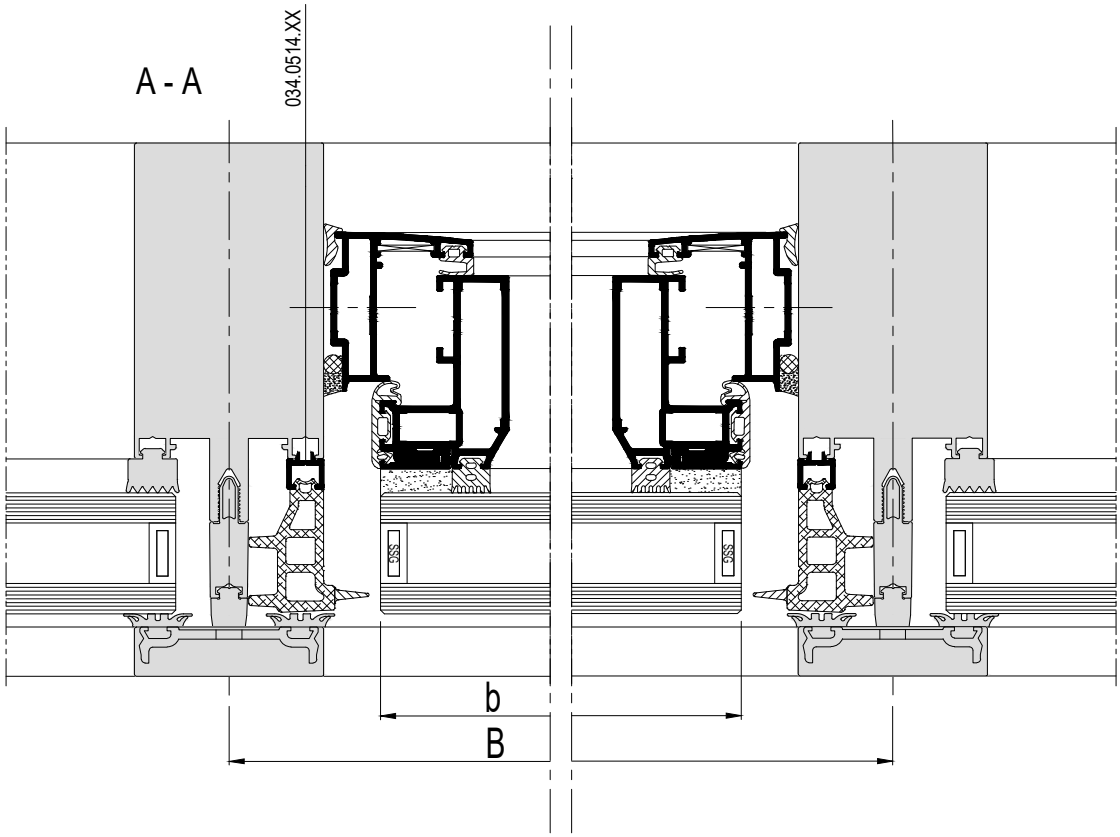
UITZETZAKRAAM FV SG - CW 50-TT
FENETRE OUVRANT A L'ITALIENNE FV SG - CW 50-TT
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW 50-TT
SENKKLAPPFENSTER FV SG - CW 50-TT



b = B -80
h = H - 80

		#	
021.5848.00		4	15M.G....
021.5846.00		4	15M.G....
021.5847.00		4	15M.G....
060.7722.--		4	15M.G....
021.5842.00		1	15M.G....
025.1007.07		4	15M.G....
022.5255.--		15M.G	15M.G....
037.7465.--		15M.G	15M.G....
021.5044.SY		15M.G	15M.G....
021.3039.07		15M.G	15M.G....
021.5859.35		2	15M.G....
021.5633.04		2	15M.G....
021.5862.35		4	15M.G....
080.9505.SY		(2xB)+(2xH)	15M.G....
080.9300.04		(2xB)+(2xH)	15M.G....
080.9444.04		(2xH)+(2xB)	15M.G....
029.5617.04		(2xH)+(2xB)	15M.G....
021.2288.XX		1	15M.G....
021.2289.--		1	15M.G....

			#	Lm	
034.0140.XX			2	B - 54	15M.F....
			2	H - 54	
034.0141.XX			2	B - 80	15M.F....
			2	H - 80	
034.0142.17			2	B - 80	15M.F....
			2	H - 80	
011.2025.AN			-	15M.F....	15M.F....
034.0514.XX			2	H - 50	15M.F....
034.0583.04			2	B - 9	15M.F....
			2	H - 47	



ETAG 002

schaal - échelle
scale - Maßstab
1/2

UITZETZAKRAAM FV SG - CW 50-TT
FENETRE OUVRANT A L'ITALIENNE FV SG - CW 50-TT
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW 50-TT
SENKKLAPPFENSTER FV SG - CW 50-TT

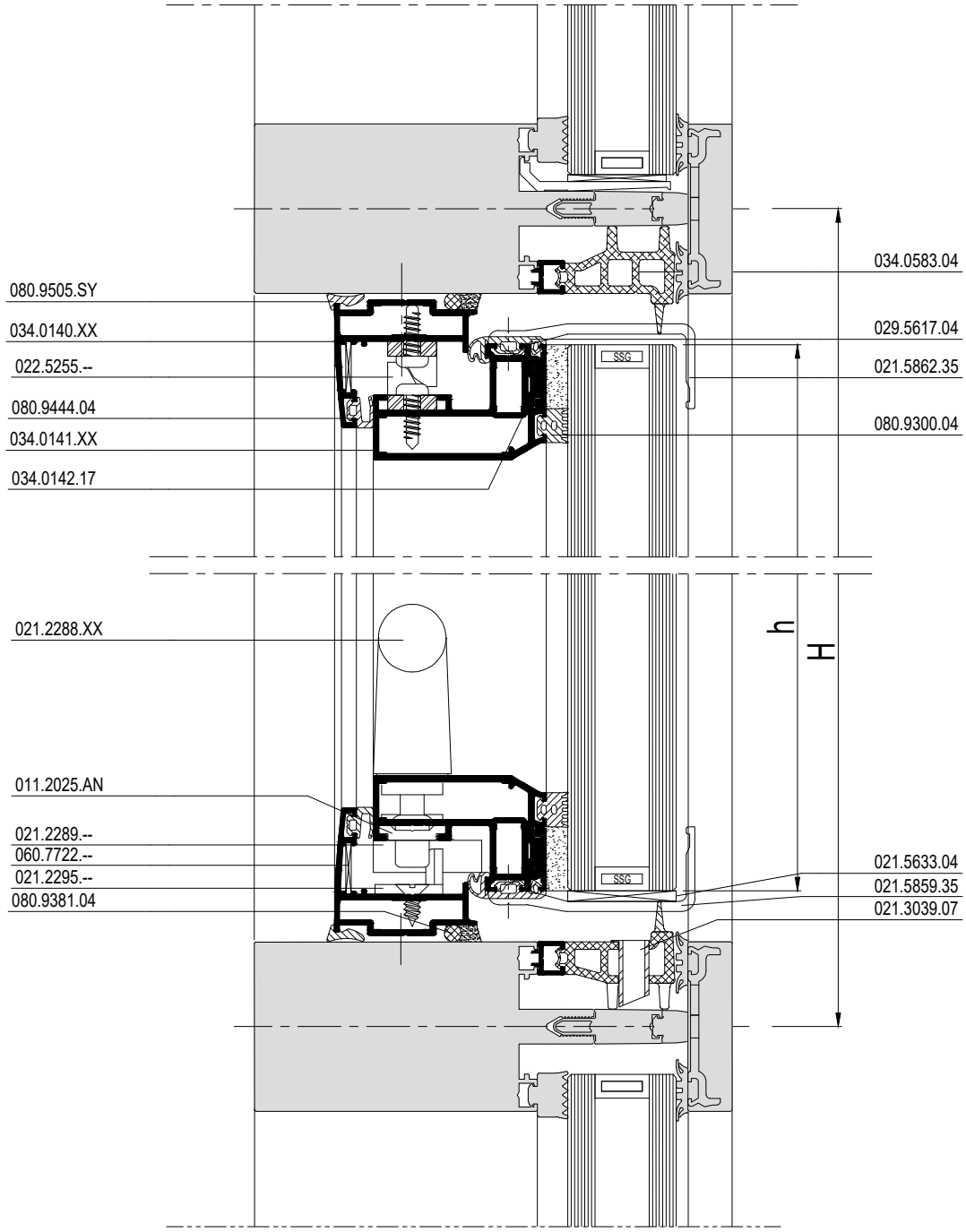
Reynaers Aluminium

⚠ Remarques / Remarks

- Choix des compas : voir pages F
- Choice of restrictor : see pages F
- Choix des condamnations : voir pages F
- Locking choice : see pages F
- Choix des joints : voir pages F
- Choice of gaskets : see pages F

- Section réalisée avec remplissage de 32mm
- Sample realised with thickness filling 32mm

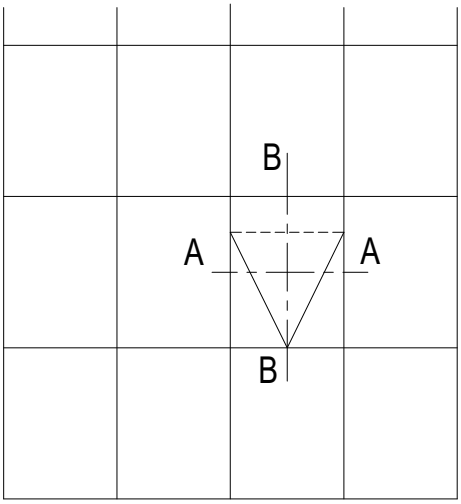
B - B



ETAG 002

schaal - échelle
scale - Maßstab
1/2

UITZETZAKRAAM FV SG - CW50 -T/HL
FENETRE OUVRANT A L'ITALIENNE FV SG - CW50-TT/HL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW50-TT/HL
SENKKLAPPFENSTER FV SG - CW50-TT/HL

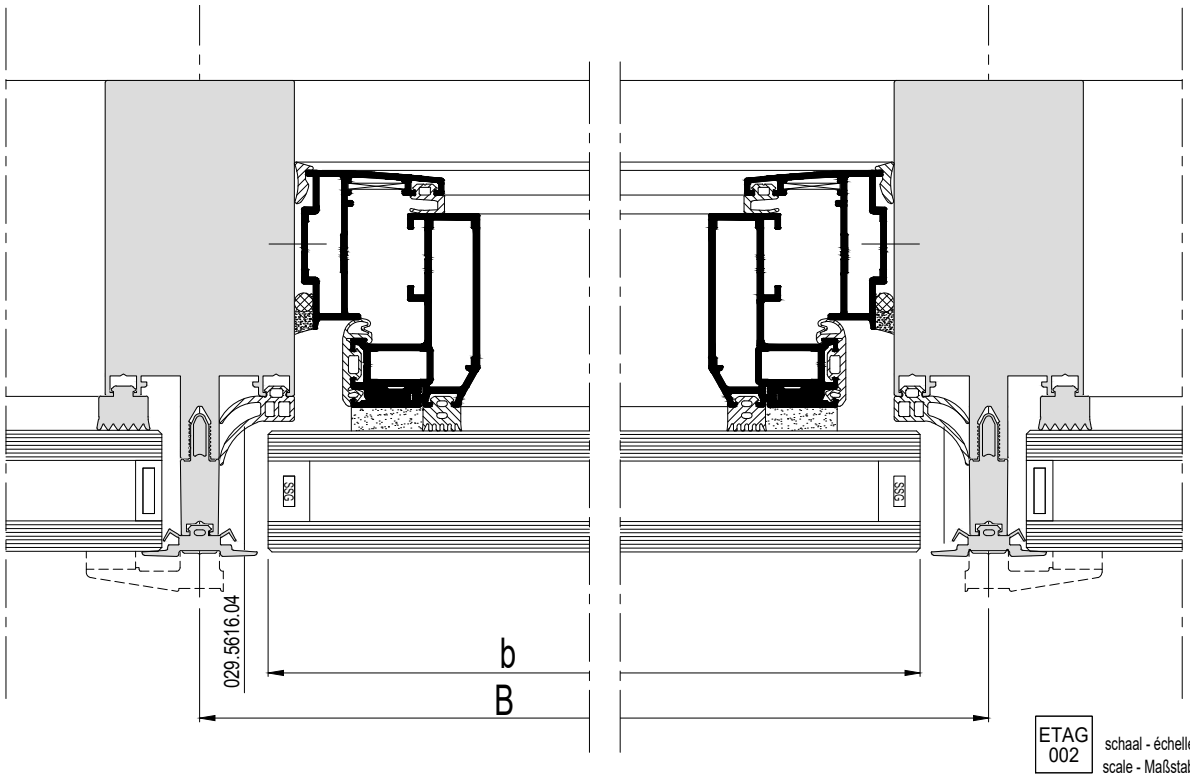


b = B - 36
h = H - 80

			#	Lm	
034.0140.XX			2	B - 54	15M.F....
			2	H - 54	15M.F....
034.0141.XX			2	B - 80	15M.F....
			2	H - 80	15M.F....
034.0142.17			2	B - 80	15M.F....
			2	H - 80	15M.F....
011.2025.AN			-	15M.F....	15M.F....
034.0514.XX			2	H - 50	15M.F....
034.0583.04			2	B-9	15M.F....

		#	
021.5848.00		4	15M.G....
021.5846.00		4	15M.G....
021.5847.00		4	15M.G....
060.7722.--		4	15M.G....
021.5842.00		1	15M.G....
021.1007.07		4	15M.G....
022.5255.--		15M.G....	15M.G....
037.7465.--		15M.G....	15M.G....
021.5044.SY		15M.G....	15M.G....
021.3039.07		15M.G....	15M.G....
021.5859.35		2	15M.G....
021.5633.04		2	15M.G....
021.5862.35		4	15M.G....
080.9505.SY		(2xB)+(2xH)	15M.G....
080.9300.04		(2xB)+(2xH)	15M.G....
080.9444.04		(2xH)+(2xB)	15M.G....
029.5617.04		(2xH)+(2xB)	15M.G....
029.5616.04		(2xH)	15M.G....
021.2288.XX		1	15M.G....
021.2289.--		1	15M.G....

A - A



ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

UITZETZAKRAAM FV SG - CW50 -T/HL
FENETRE OUVRANT A L'ITALIENNE FV SG - CW50-TT/HL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - CW50-TT/HL
SENKKLAPPFENSTER FV SG - CW50-TT/HL

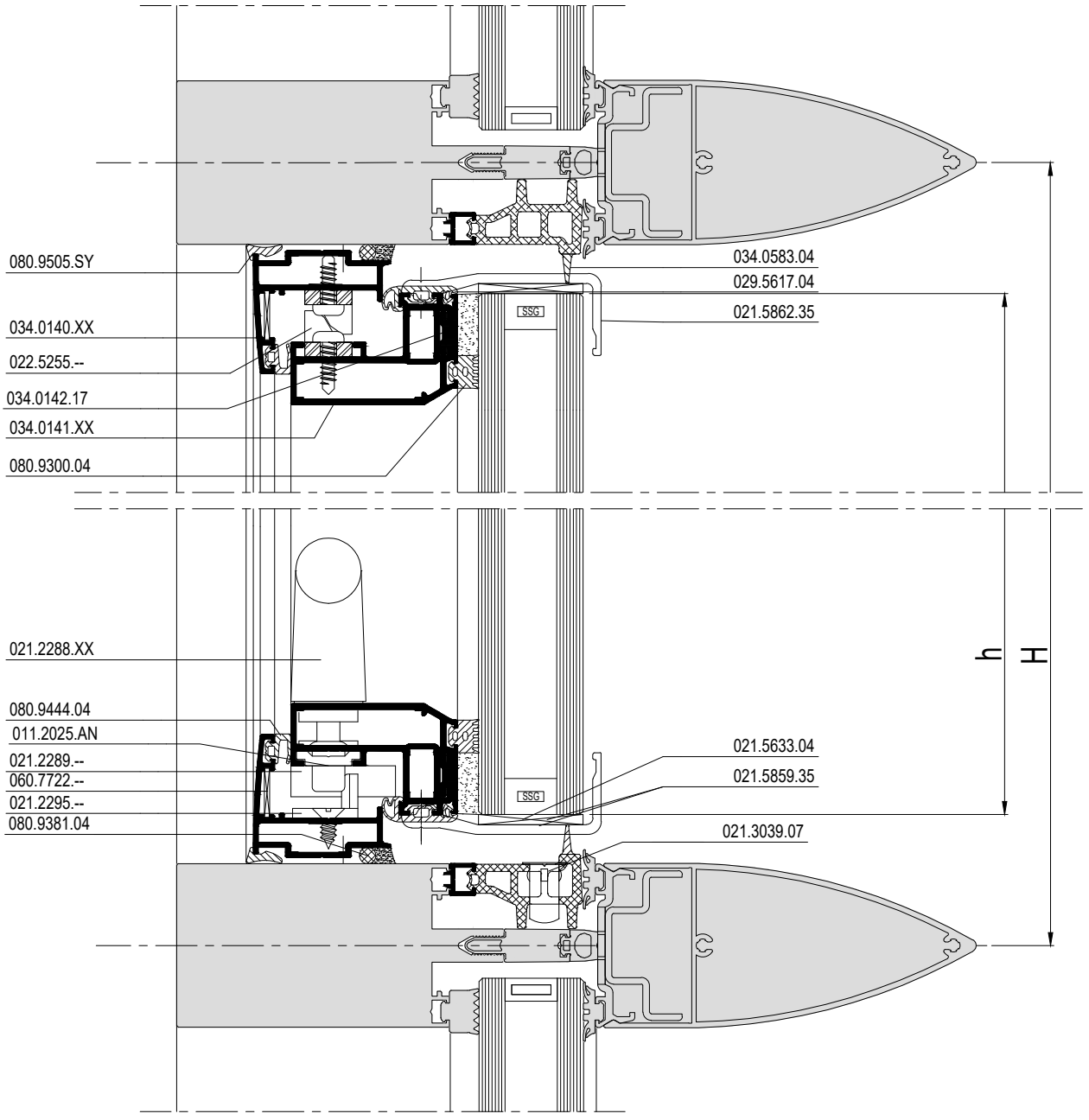
Reynaers Aluminium

⚠ Remarques / Remarks

- Choix des compas : voir pages F
- Choice of restrictor : see pages F
- Choix des condamnations : voir pages F
- Locking choice : see pages F
- Choix des joints : voir pages F
- Choice of gaskets : see pages F

- Section réalisée avec remplissage de 32mm
- Sample realised with thickness filling 32mm

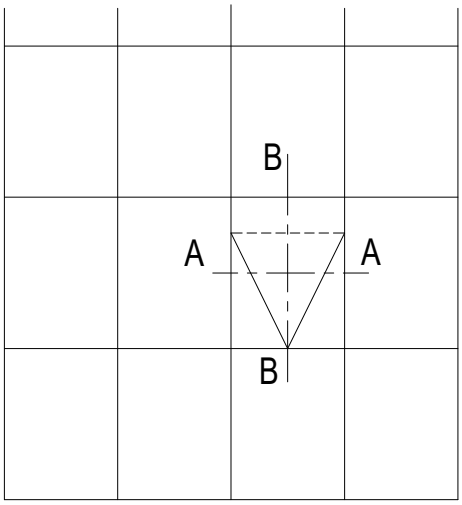
B - B



E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

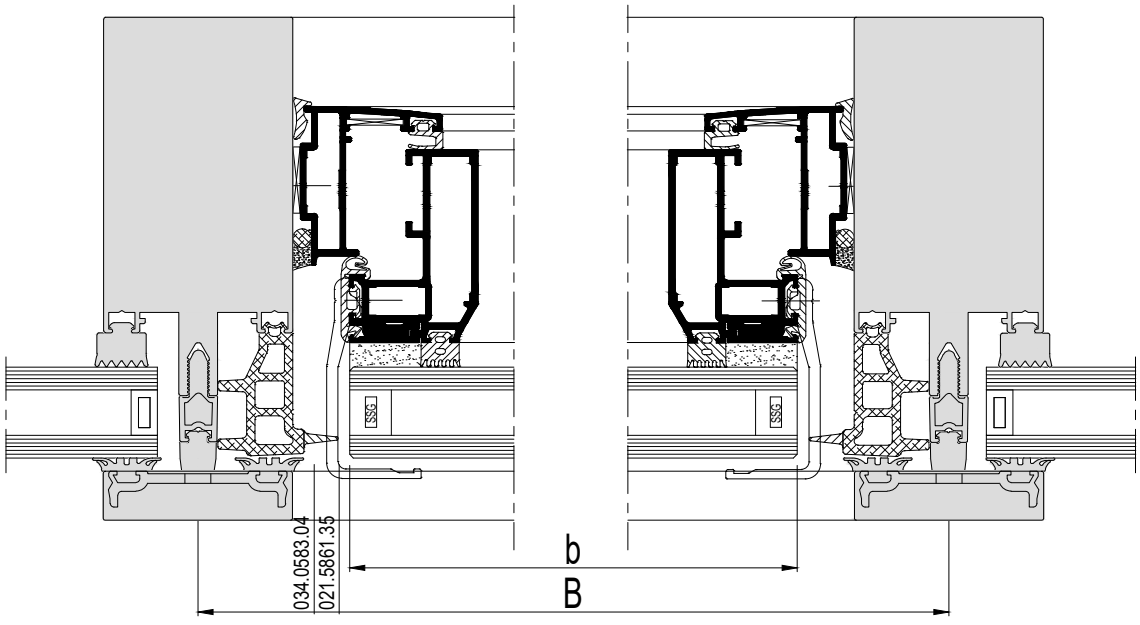


b = B -80	
h = H - 36	

			#	Lm	
034.0140.XX			2	B - 54	15M.F....
			2	H - 54	
034.0141.XX			2	B - 80	15M.F....
			2	H - 80	
034.0142.17			2	B - 80	15M.F....
			2	H - 80	
011.2025.AN			-	15M.F....	15M.F....
034.0583.04			2	H-90	15M.F....

		#
021.5848.00		4
021.5846.00		4
021.5847.00		4
060.7722.--		4
021.5842.00		1
025.1007.07		4
080.9250.04		1
073.7108.00		2
021.5632.04		2
021.5861.35		4
080.9505.SY		(2xB)+(2xH)
080.9300.04		(2xB)+(2xH)
080.9444.04		(2xH)+(2xB)
029.5617.04		(2xH)+(2xB)
080.9411.04		(2xB)
022.5255.--		15M.G....
037.7465.--		15M.G....
021.5044.SY		15M.G....
021.2288.XX		1
021.2289.--		1

A - A



ETAG 002 schaal - échelle scale - Maßstab 1/2

UITZETZAKRAAM FV SG - TT/VL
FENETRE OUVRANT A L'ITALIENNE FV SG-TT/VL
TOP-HUNG WINDOW WITH FRICTION STAYS FV SG - TT/VL
SENKKLAPPFENSTER FV SG - TT/VL

Reynaers Aluminium

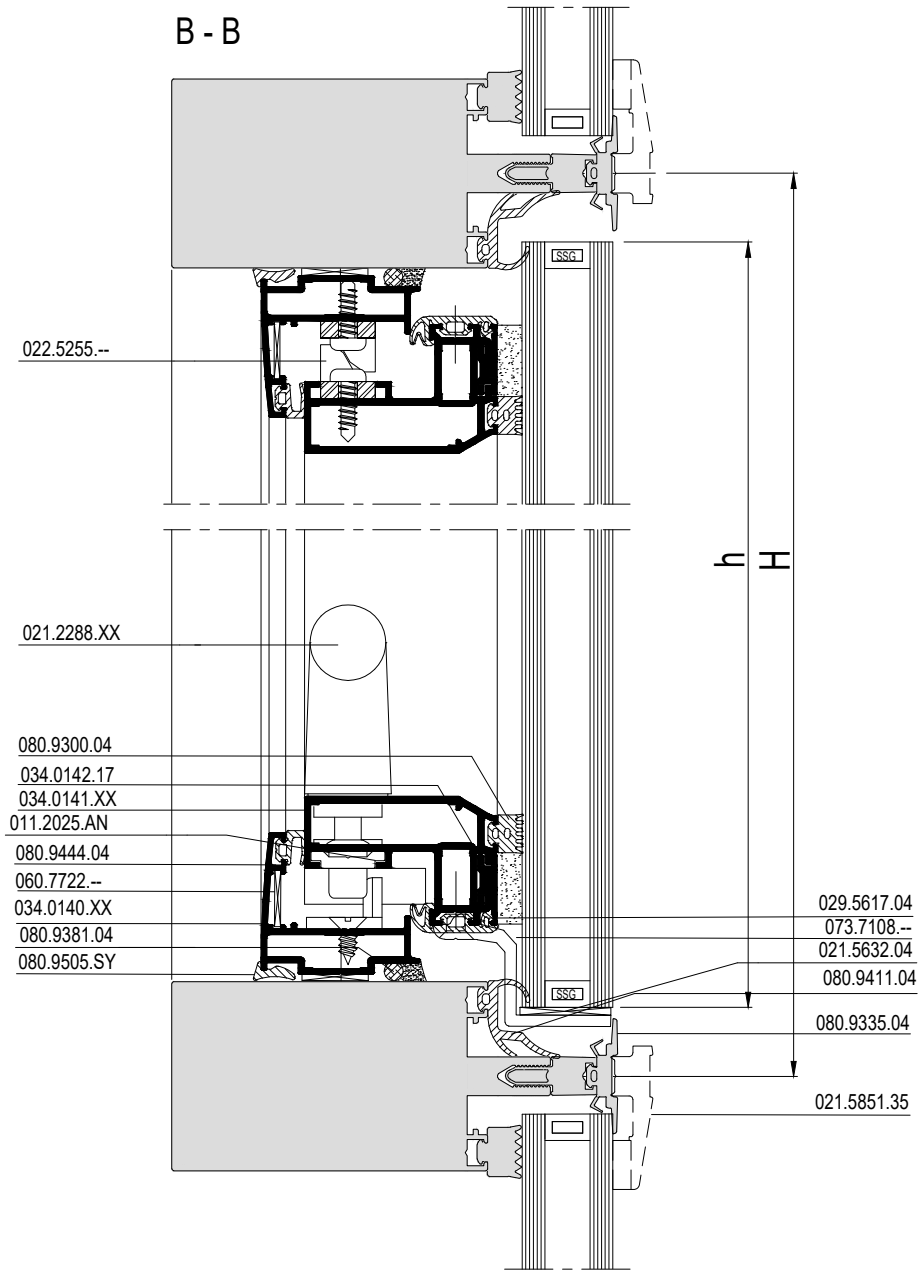
⚠ Remarques / Remarks

- Choix des compas : voir pages F
- Choice of restrictor : see pages F

- Choix des condamnations : voir pages F
- Locking choice : see pages F

- Choix des joints : voir pages F
- Choice of gaskets : see pages F

- Section réalisée avec remplissage de 24mm
- Sample realised with thickness filling 24mm



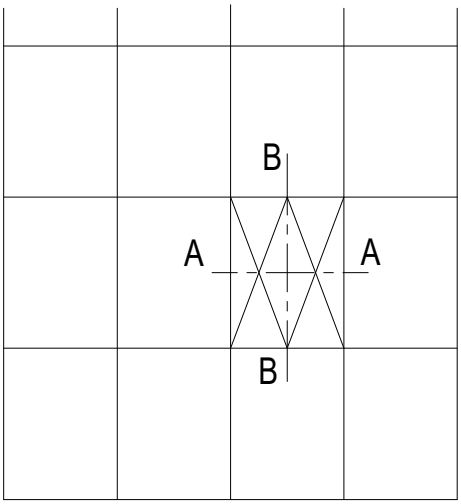
E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM POW SG
ELEM.OUVERTURE VERS L'EXT. POW SG
OUTWARD OPENING WINDOW POW SG
AUSSEN OEFF. ELEM. POW SG

Reynaers Aluminium

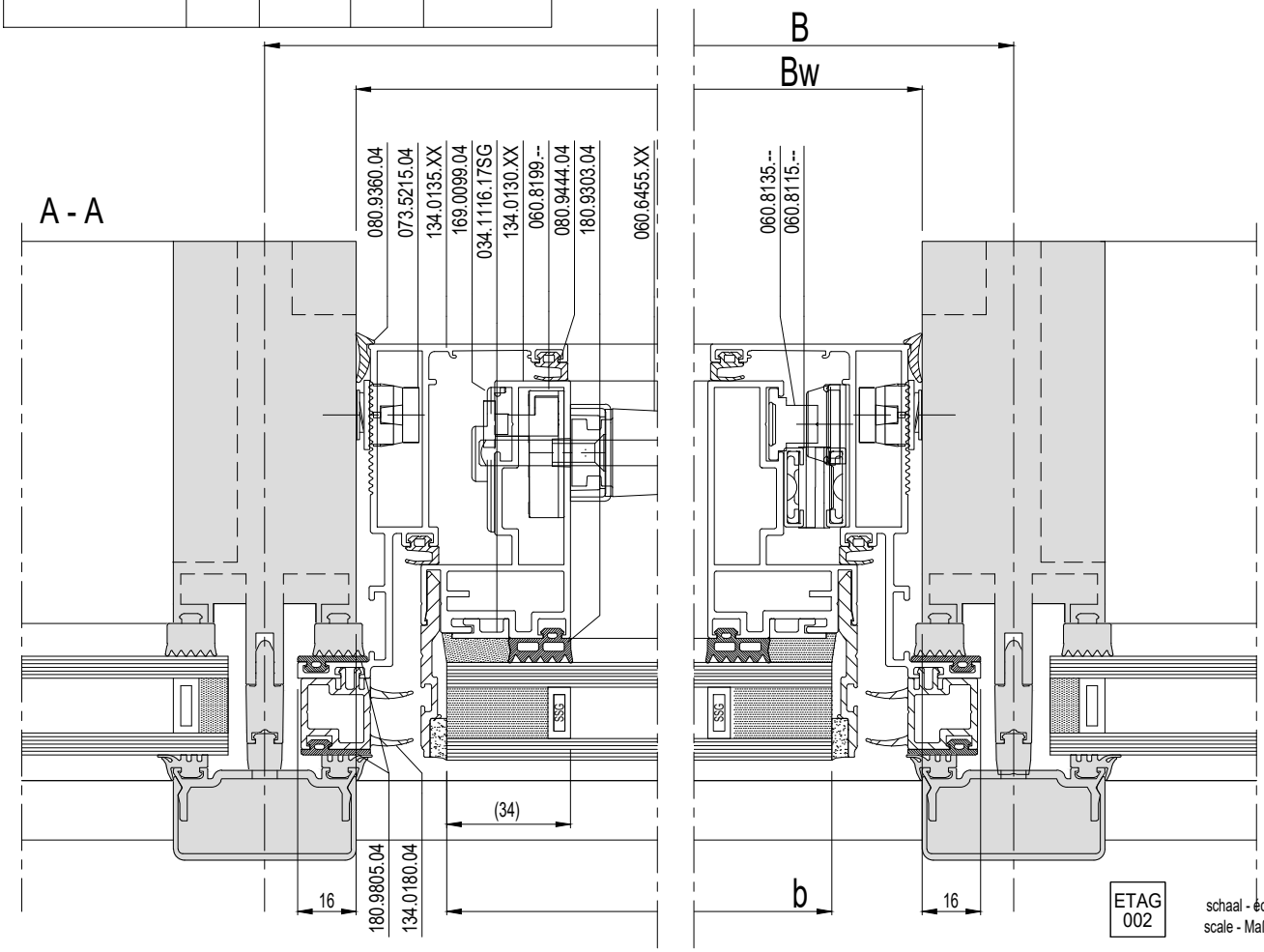


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--		4
068.7563.00		4
069.6560.04**		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Bw+Hw-81)*1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 35.5
			2	Hw - 35.5
134.0180.04**			2	Bw + 30
			2	Hw + 30
134.0300.04**			2	Bw - 35.5
			2	Hw - 35.5
001.0095.17			-	15M.F. ...

b = Bw - 49.5
h = Hw - 49.5



E

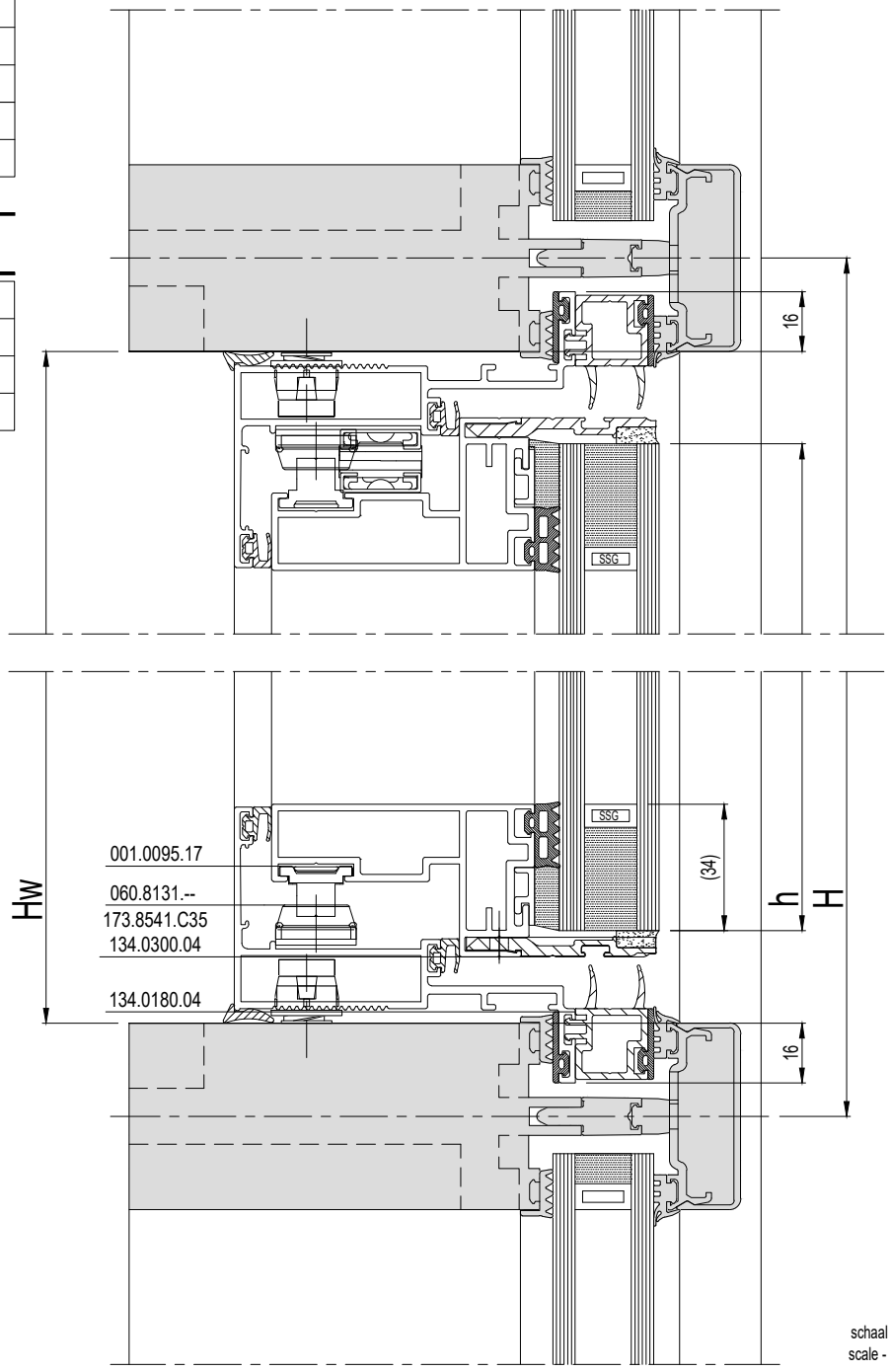
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5119.--		24
057.5713.--		24
052.5330.--		24

B - B

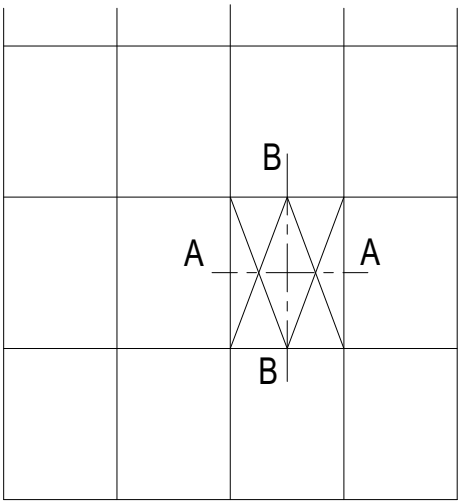


ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM POW GB
ELEM.OUVERTURE VERS L'EXT. POW GB
OUTWARD OPENING WINDOW POW GB
AUSSEN OEFF. ELEM. POW GB

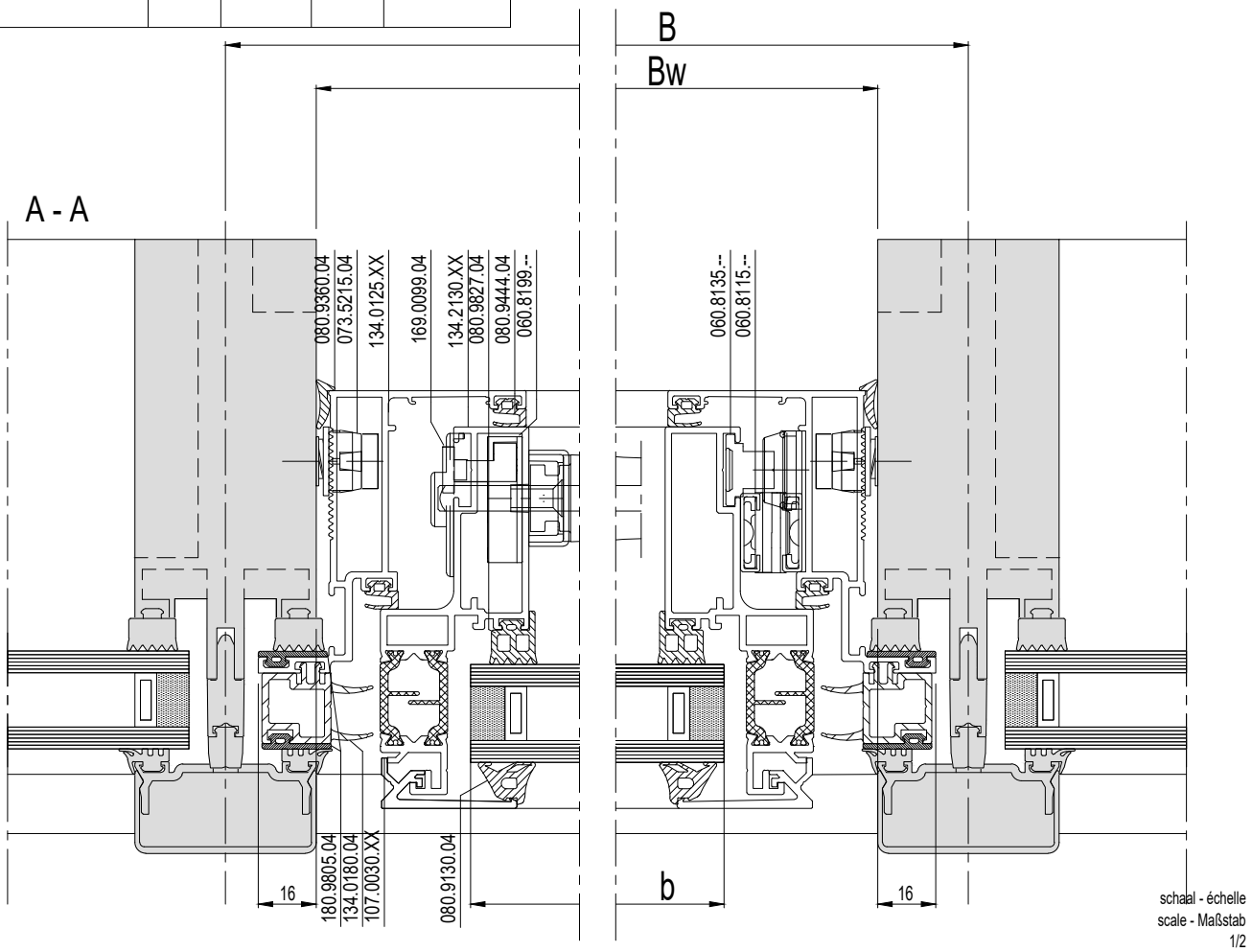


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
068.7323.--		4
073.6333.--		4
069.6560.04		4
073.8400.00**		6
151.5279.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
080.9827.04**		2x(Hw+Bw-92)+1%
080.9130.04**		2x(Hw+Bw-76)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	L_m
134.0125.XX			2	Bw + 32
			2	Hw + 32
134.2130.XX			2	Bw - 35.5
			2	Hw - 35.5
134.0180.04**			2	Bw + 30
			2	Hw + 30
107.0030.XX			2	Bw - 36
			2	Hw - 36
001.0095.17			-	15M.F. ...

b = Bw - 86.5
h = Hw - 86.5



schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM POW GB
ELEM.OUVERTURE VERS L'EXT. POW GB
OUTWARD OPENING WINDOW POW GB
AUSSEN OEFF. ELEM. POW GB

Reynaers Aluminium

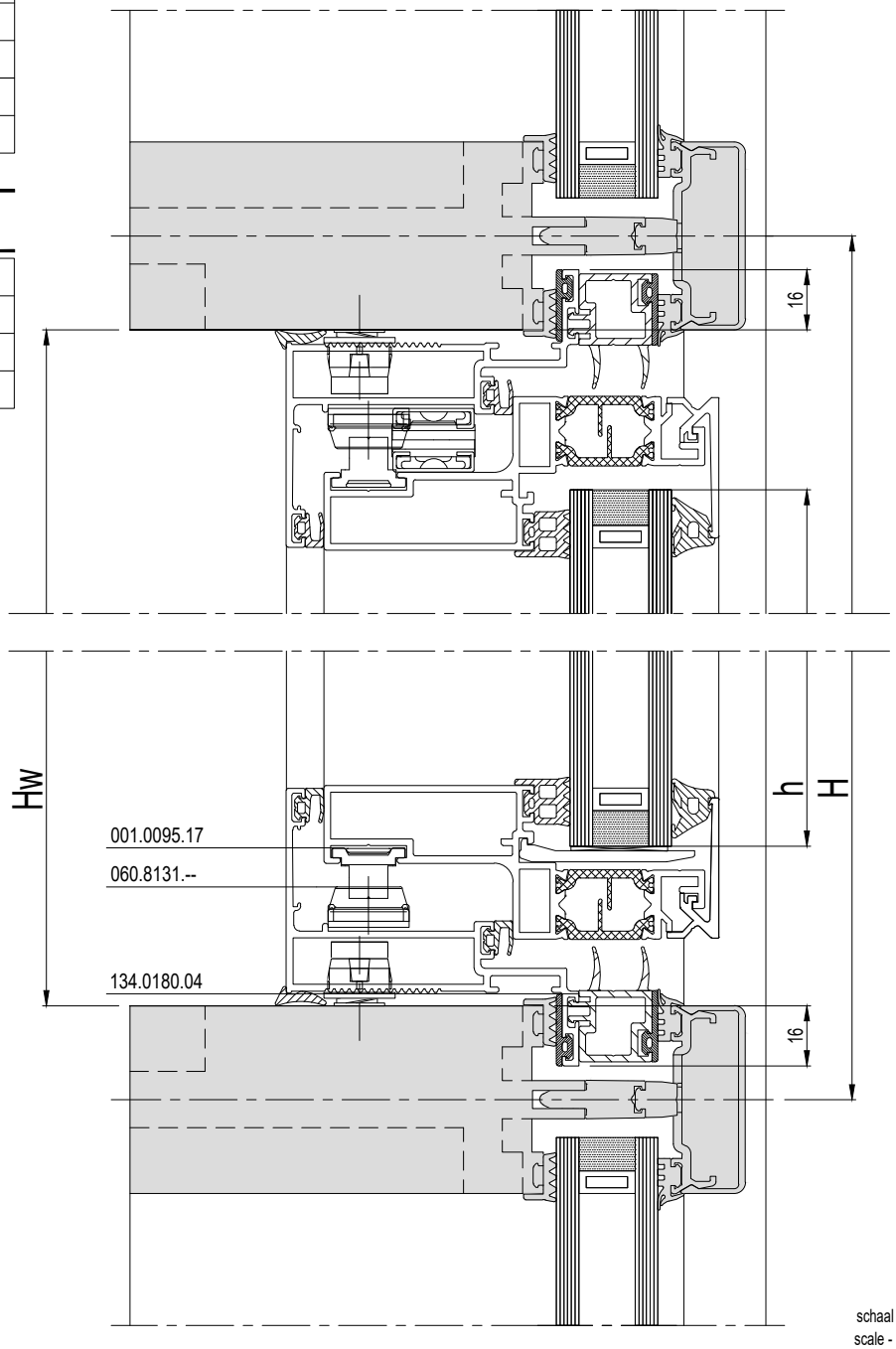
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5119.--		24
057.5713.--		24
052.5330.--		24

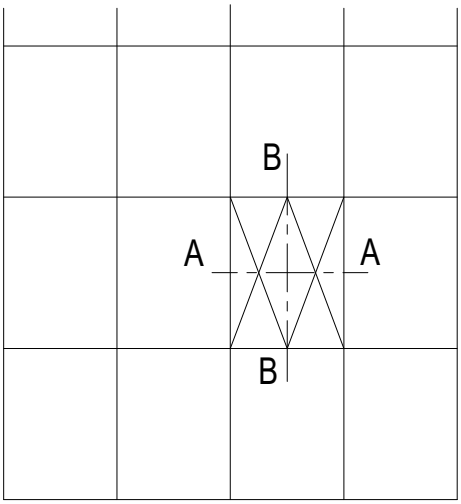
B - B



schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM POW SG - CW50-SC
ELEM.OUVERTURE VERS L'EXT. POW SG - CW50-SC
OUTWARD OPENING WINDOW POW SG - CW50-SC
AUSSEN OEFF. ELEM. POW SG - CW50-SC

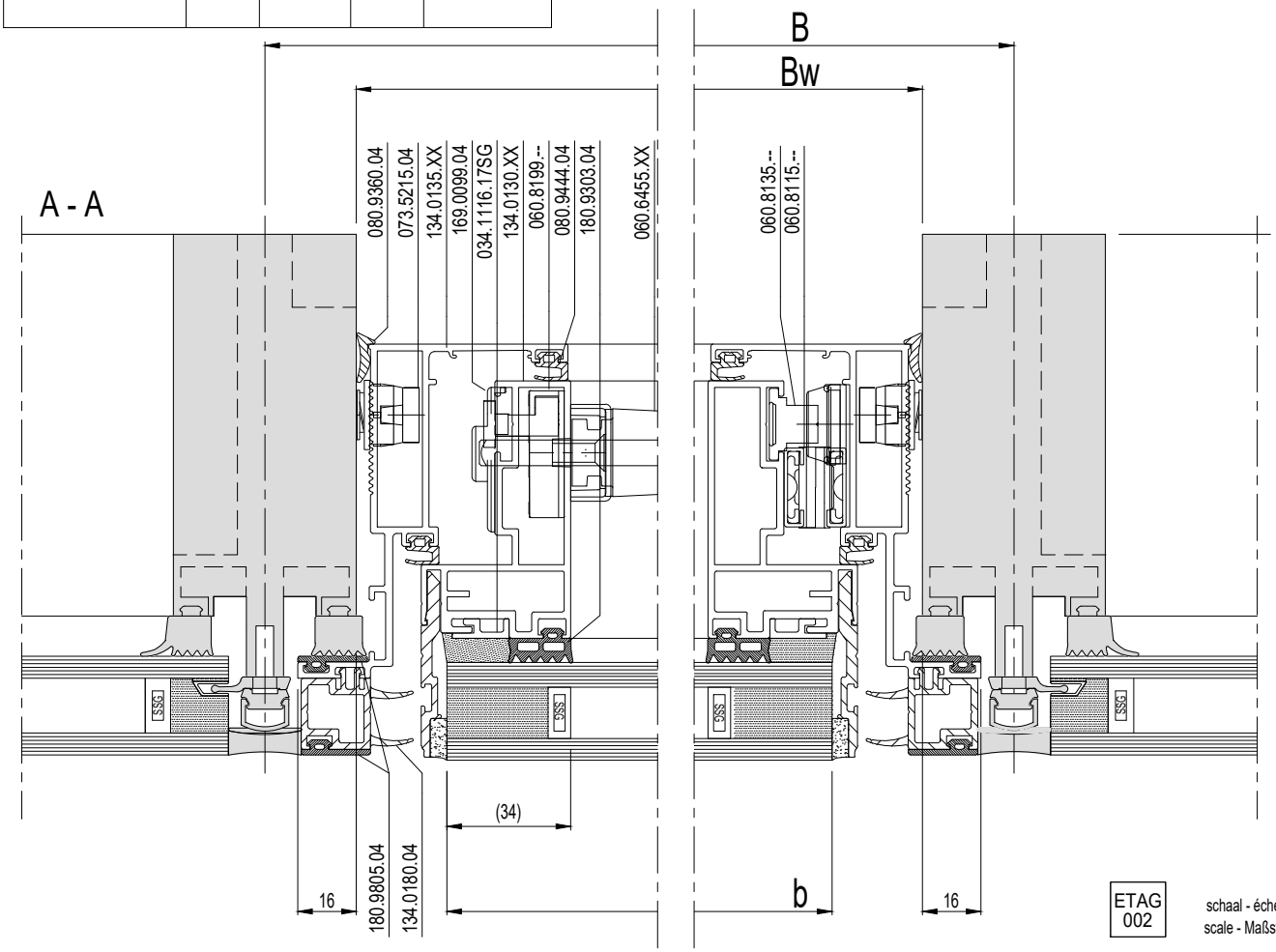


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--		4
068.7563.00		4
069.6560.04**		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Bw+Hw-81)*1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 32
			2	Hw + 32
134.0130.XX 034.1116.17			2	Bw - 35.5
			2	Hw - 35.5
134.0180.04**			2	Bw + 30
			2	Hw + 30
134.0300.04**			2	Bw - 35.5
			2	Hw - 35.5
001.0095.17			-	15M.F. ...

b = Bw - 49.5
h = Hw - 49.5



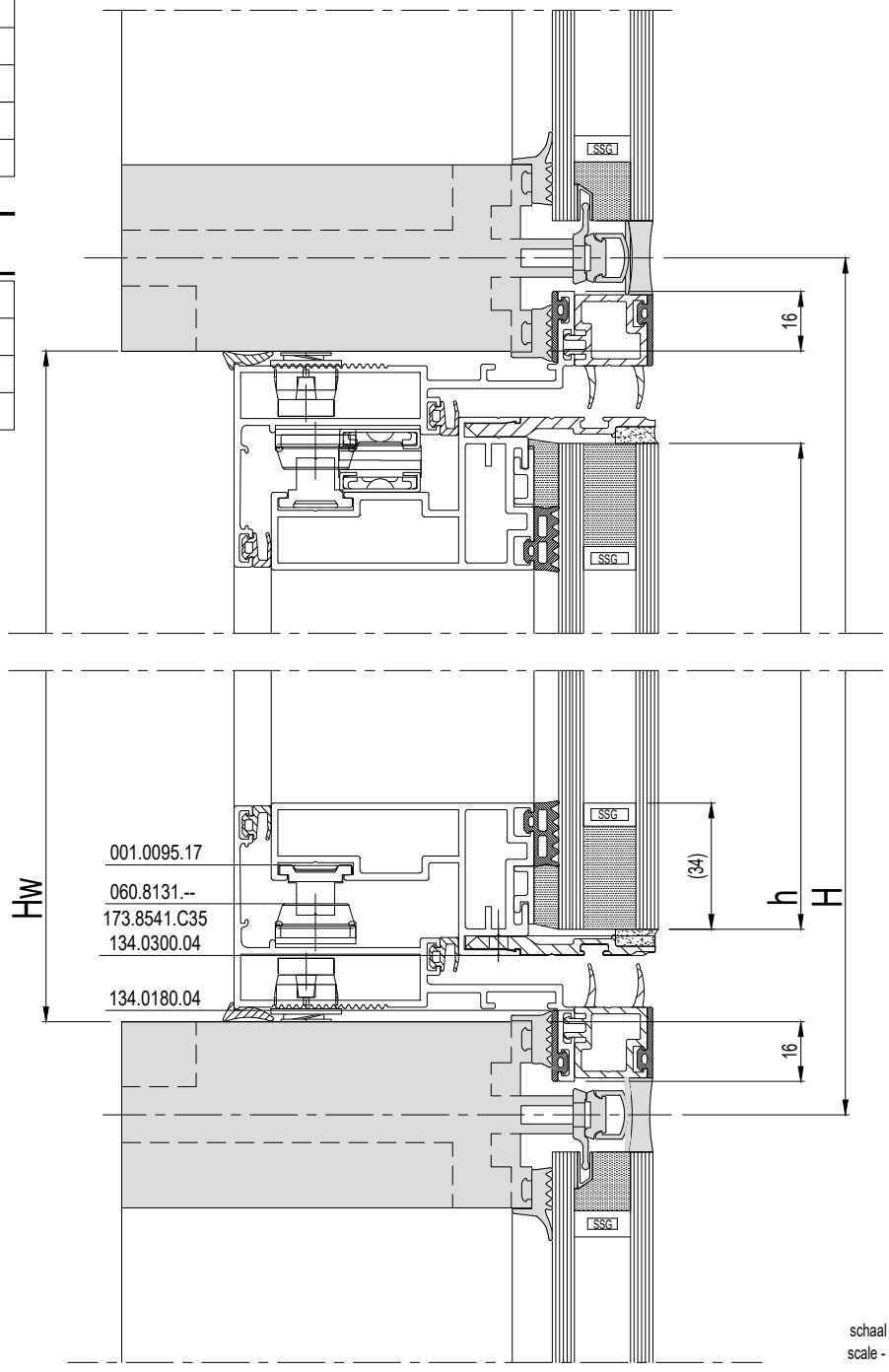
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5119.--		24
057.5713.--		24
052.5330.--		24

B - B

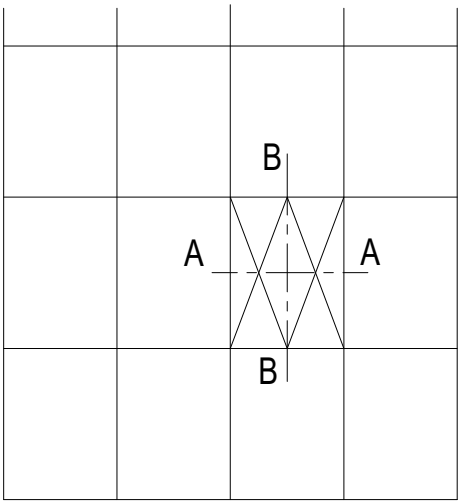


ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM POW SGS - CW50-SC
ELEM.OUVERTURE VERS L'EXT. POW SGS - CW50-SC
OUTWARD OPENING WINDOW POW SGS - CW50-SC
AUSSEN OEFF. ELEM. POW SGS - CW50-SC

Reynaers Aluminium

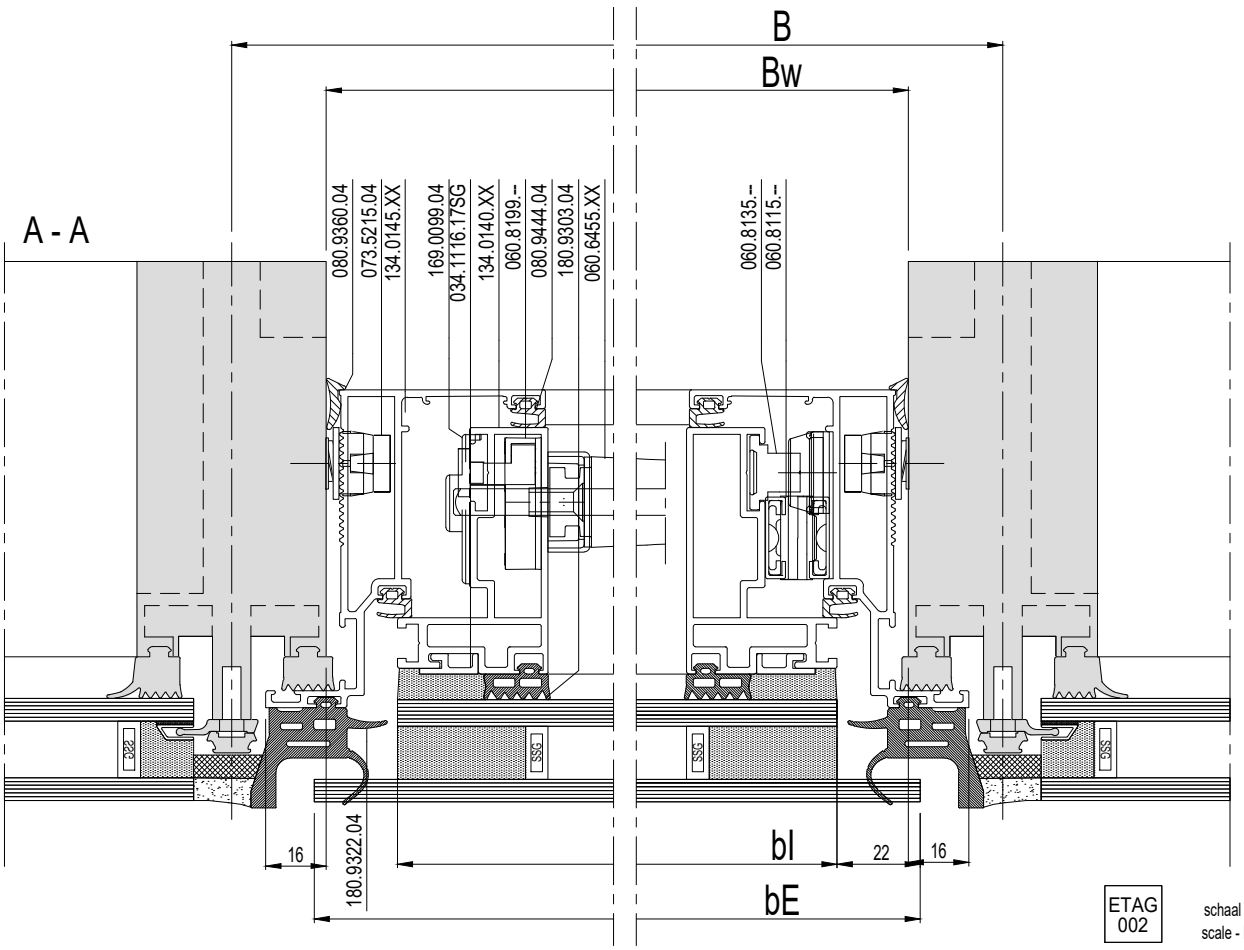


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
060.8721.00		4
173.8510.C35**		2
051.5281.--		4
180.9322.04**		2x(Hw+Bw+80)+0.75%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-83)+1%
073.5215.00		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0145.XX			2	Bw + 32
			2	Hw + 32
134.0140.XX 034.1116.17			2	Bw - 37.5
			2	Hw - 37.5
001.0095.17			-	15M.F. ...

bl = Bw - 37.5
bE = Bw + 6.5
hl = Hw - 37.5
hE = Hw + 6.5



schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM POW SGS - CW50-SC
ELEM.OUVERTURE VERS L'EXT. POW SGS - CW50-SC
OUTWARD OPENING WINDOW POW SGS - CW50-SC
AUSSEN OEFF. ELEM. POW SGS - CW50-SC

Reynaers Aluminium

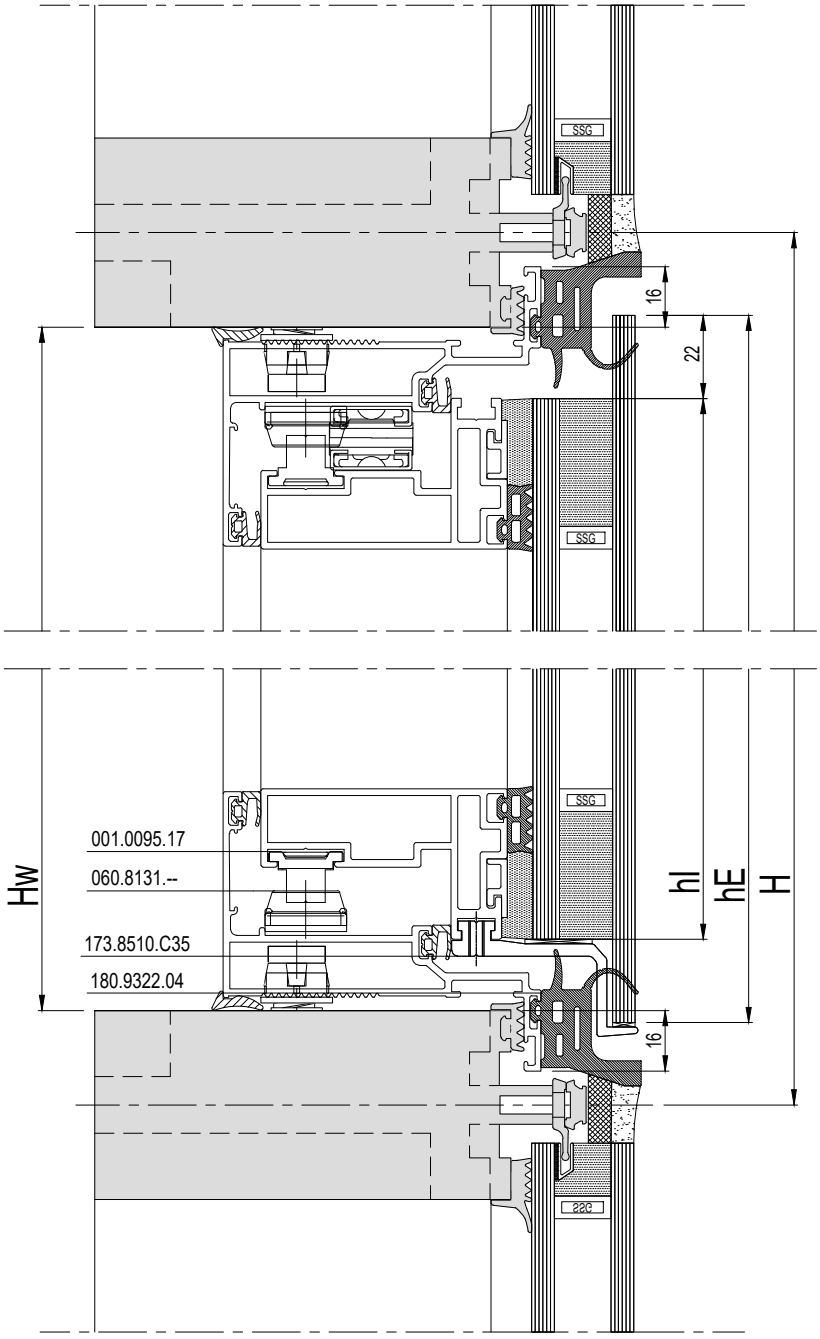
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5016.--		24
057.5713.--		24
052.5330.--		24

B - B

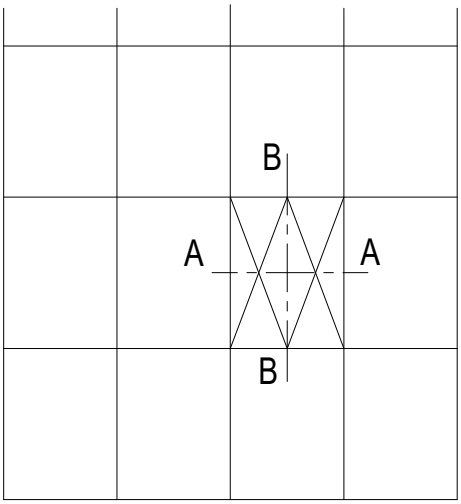


ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM POW SGS - CW50-SC/HI
ELEM.OUVERTURE VERS L'EXT. POW SGS - CW50-SC/HI
OUTWARD OPENING WINDOW POW SGS - CW50-SC/HI
AUSSEN OEFF. ELEM. POW SGS - CW50-SC/HI

Reynaers Aluminium

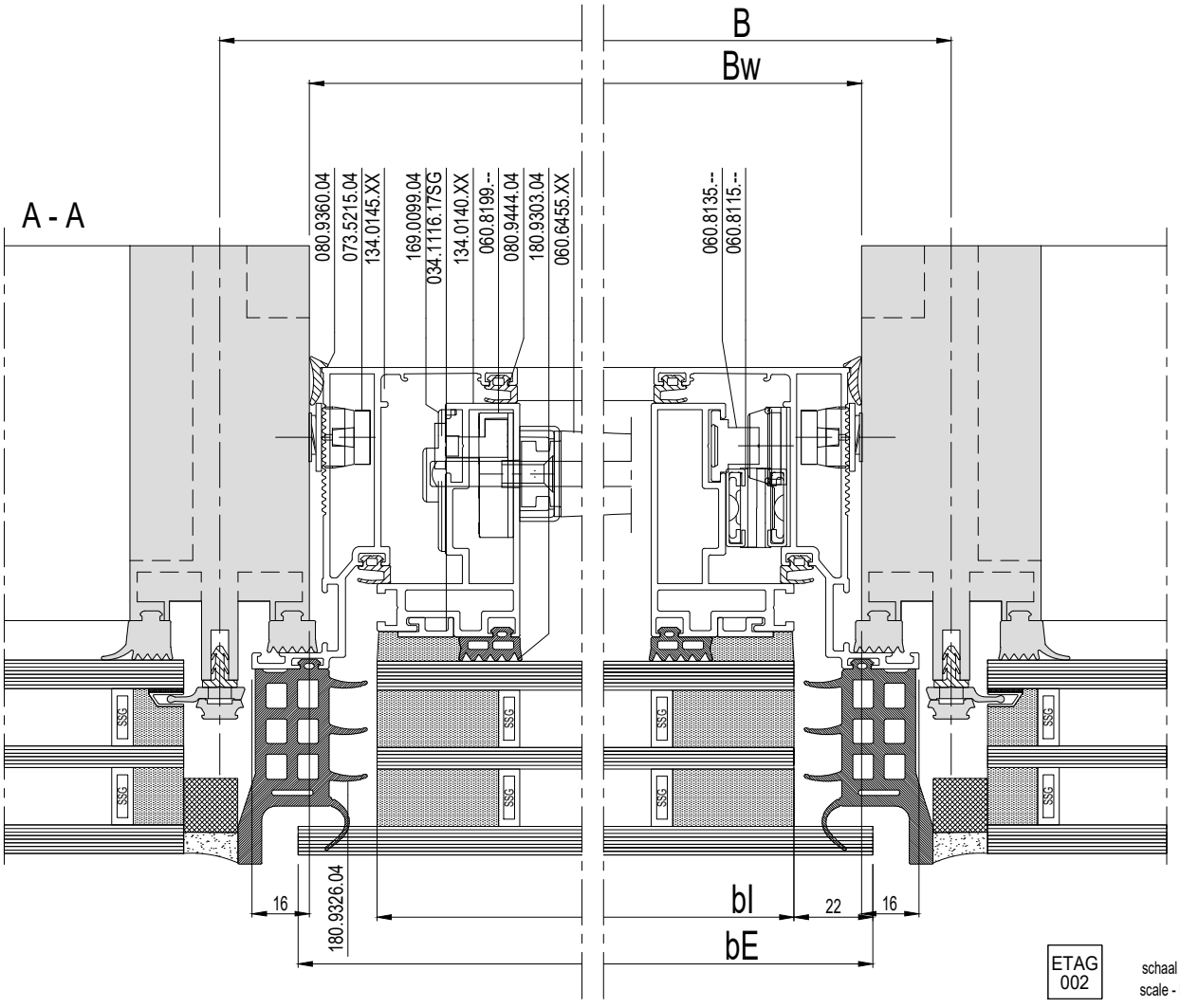


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
060.8721.00		4
173.8516.C35**		2
051.5281.--		4
180.9326.04**		2x(Hw+Bw+80)+0.75%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-83)+1%
073.5215.00		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0145.XX			2	Bw + 32
			2	Hw + 32
134.0140.XX			2	Bw - 37.5
034.1116.17			2	Hw - 37.5
001.0095.17			-	15M.F. ...

bI = Bw - 37.5
bE = Bw + 6.5
hI = Hw - 37.5
hE = Hw + 6.5



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM POW SGS - CW50-SC/HI
ELEM.OUVERTURE VERS L'EXT. POW SGS - CW50-SC/HI
OUTWARD OPENING WINDOW POW SGS - CW50-SC/HI
AUSSEN OEFF. ELEM. POW SGS - CW50-SC/HI

Reynaers Aluminium

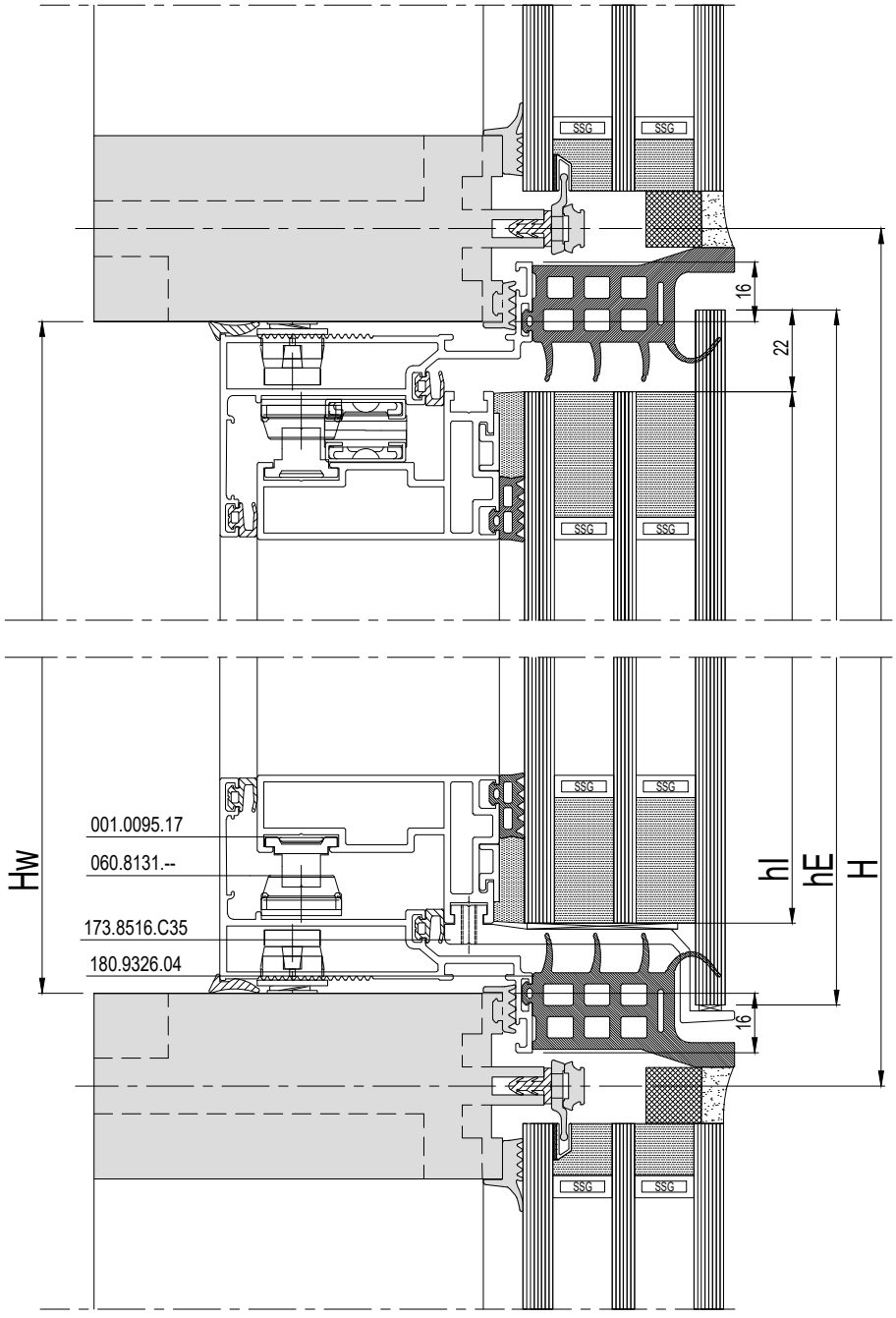
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5016.--		24
057.5713.--		24
052.5330.--		24

B - B

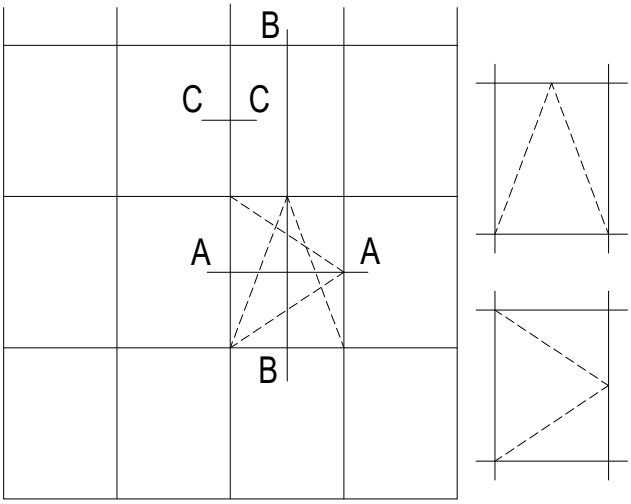


E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

BINNENDR. ELEM. HV SG
ELEM.OUVERTURE VERS L'INT. HV SG
INWARD OPENING WINDOW HV SG
INNEN OEFF. ELEM. HV SG

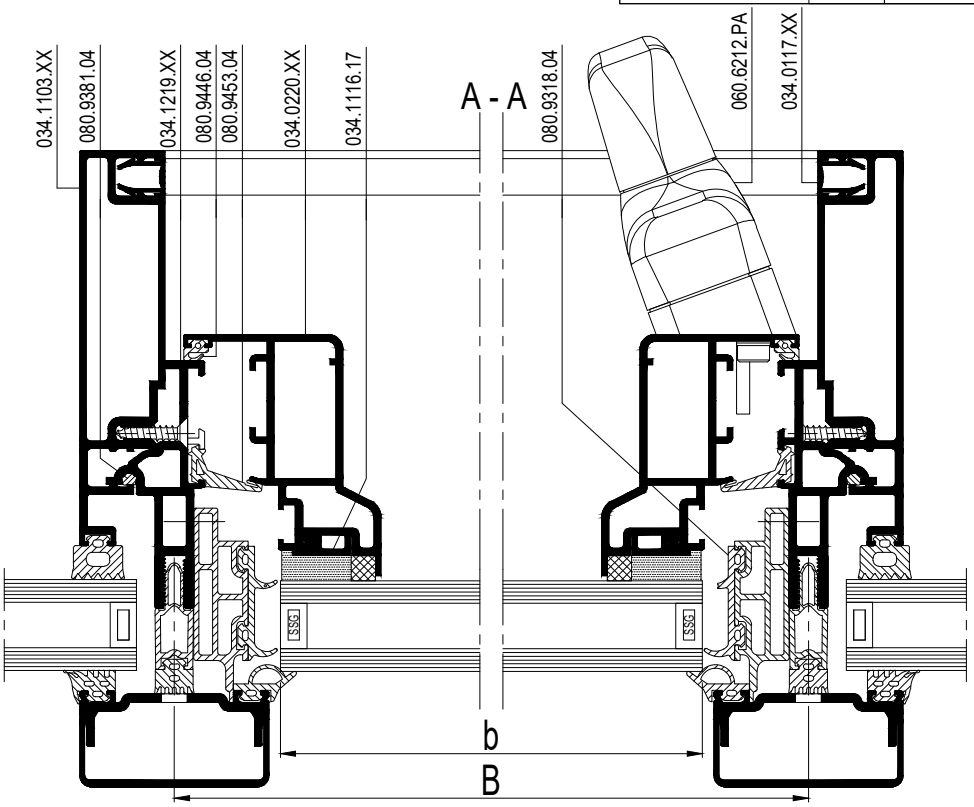


			#	Lm	☞
034.1219.XX			2	B - 16	15M.C...
				H TOTAL	
034.0220.XX			2	B - 5	15M.C.....
034.1116.17			2	H - 5	15M.C.....
034.1103.XX			2	B +5	15M.C...
				H TOTAL	
034.0117.XX			2	B + 5	15M.C...
			2	H + 7	
034.0218.04			2	B - 39	15M.C...
			2	H - 11	
034.0213.XX			2	H1	15M.C...

		#	☞
052.5316.--		3/M	15M.G...
052.5317.--		3/M	15M.G...
050.5060.--		8	15M.G...
INVISI...		OPENING SYS.	OPENING SYS.
AXXENT PLUS		15M.F....	
		15M.F....	
		15M.F....	
068.7598.00		4	15M.G...
073.7501.00		4	15M.G...
050.5030.--		8	15M.G...
057.5720.--		8	15M.G...
073.7290.39		2	15M.G...
021.5853.00		2	15M.G...
073.6999.04		1/500MM	15M.G...
080.9453.04		(2xH) + (2xB)	15M.G...
080.9318.04		(2xH) + (2xB)	15M.G...
080.9352.04		(2xH) + (2xB)	15M.G...
080.9300.04		(2xH) + (2xB)	15M.G...
080.9381.04		15M.F....	15M.G...
080.9446.04		(2xB) + (2 x H)	15M.G...
080.9470.04		4	15M.G...

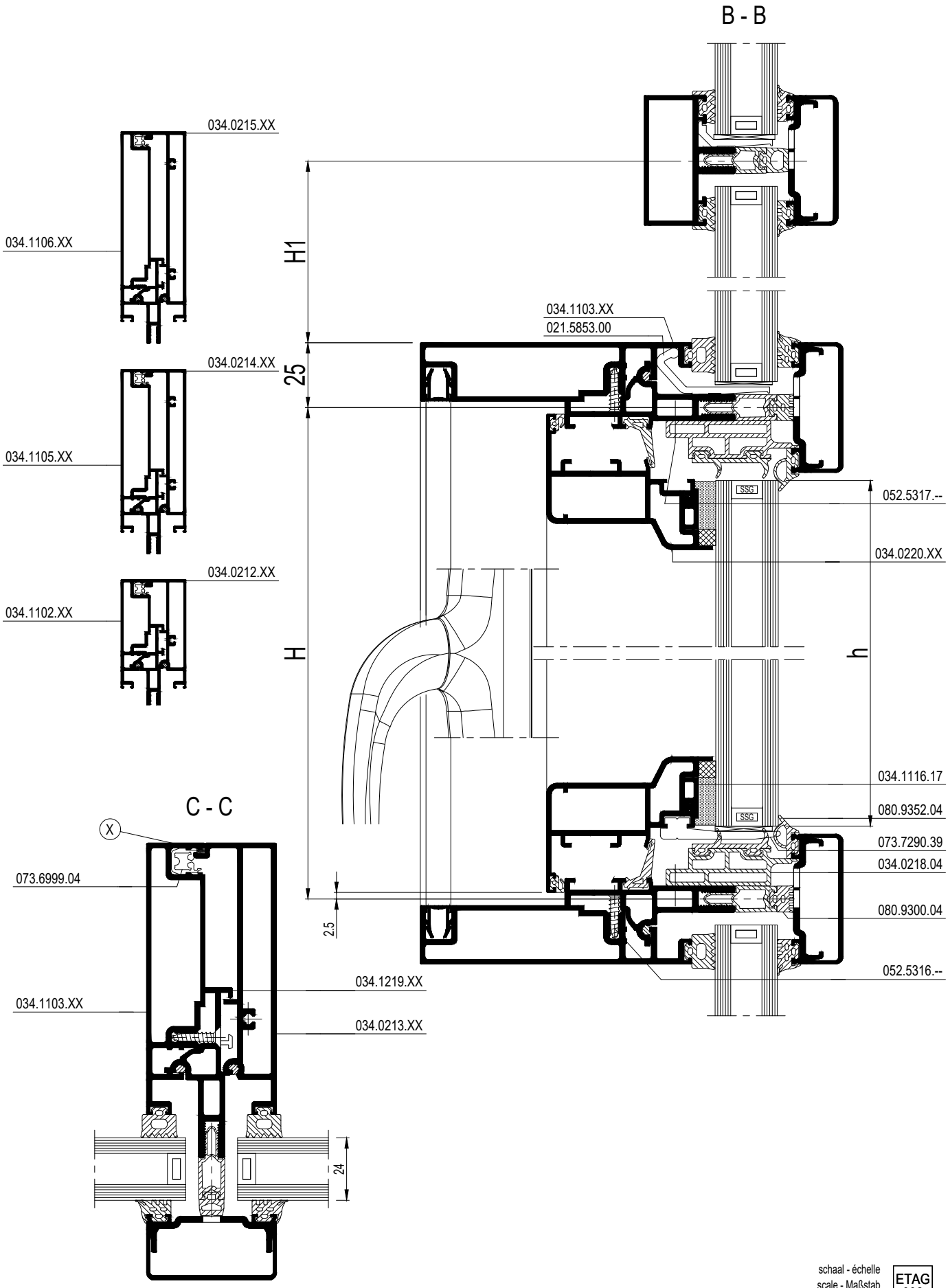
060.6212.PA		1	15M.G. ...
(*) of/ou/or/oder			
060.6214.PA		1	15M.G. ...
(*) of/ou/or/oder			
060.6216.PA		1	15M.G. ...
(*) of/ou/or/oder			
060.6217.PA		1	15M.G. ...

b = B - 56
h = H - 56



ETAG 002

E

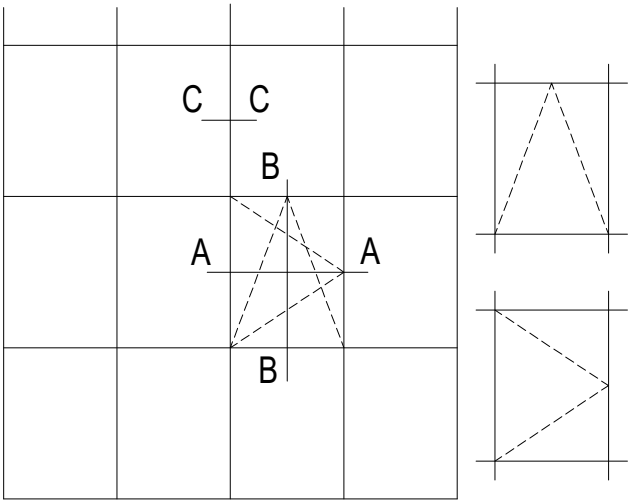


schaal - échelle
scale - Maßstab
1/2

ETAG 002

E

BINNENDR. ELEM. HV SG - SC
ELEM.OUVERTURE VERS L'INT. HV SG - SC
INWARD OPENING WINDOW HV SG - SC
INNEN OEFF. ELEM. HV SG - SC



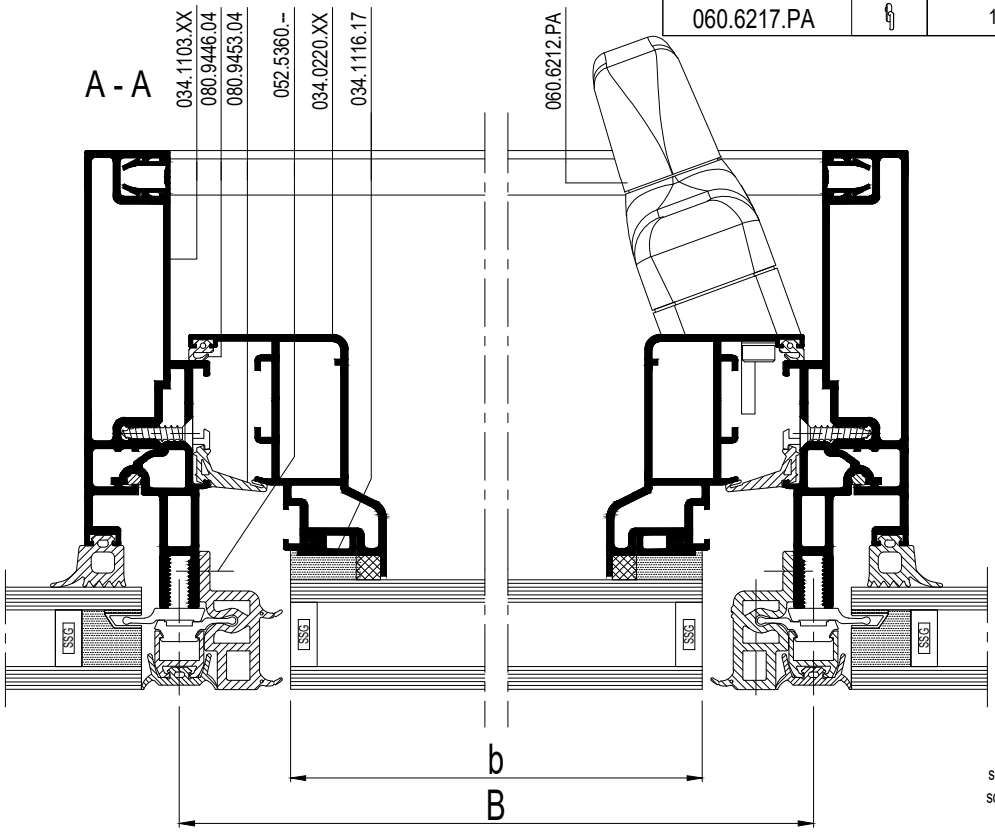
			#	Lm	
034.1219.XX			2	B - 16	15M.C...
				H TOTAL	
034.0220.XX			2	B - 5	15M.C.....
034.1116.17			2	H - 5	15M.C.....
034.1103.XX			2	B +5	15M.C...
				H TOTAL	
034.0117.XX			2	B + 5	15M.C...
			2	H + 7	
034.0213.XX			2	H1	15M.C...

052.5316.--		3/M	15M.G...
052.5317.--		3/M	15M.G...
050.5060.--		8	15M.G...
052.5360.--		1/500MM	15M.G...
INVISI...		OPENING CS	ACCESS CW
AXXENT PLUS		15M.F....	
		15M.F....	
		15M.F....	
068.7598.00		4	15M.G...
073.7501.00		4	15M.G...
050.5030.--		8	15M.G...
057.5720.--		8	15M.G...
073.7291.39		2	15M.G...
021.5853.00		2	15M.G...
073.6999.04		1/500MM	15M.G...
080.9453.04		(2xH) + (2xB)	15M.G...
080.9299.04		(2xH) + (2xB)	15M.G...
080.9352.04		(2xH) + (2xB)	15M.G...
080.9381.04		15M.F....	15M.G...
080.9446.04		(2xB) + (2xH)	15M.G...

060.6212.PA		1	15M.G. ...
(*) of/ou/or/oder			
060.6214.PA		1	15M.G. ...
(*) of/ou/or/oder			
060.6216.PA		1	15M.G. ...
(*) of/ou/or/oder			
060.6217.PA		1	15M.G. ...

b = B - 58
h = H - 58

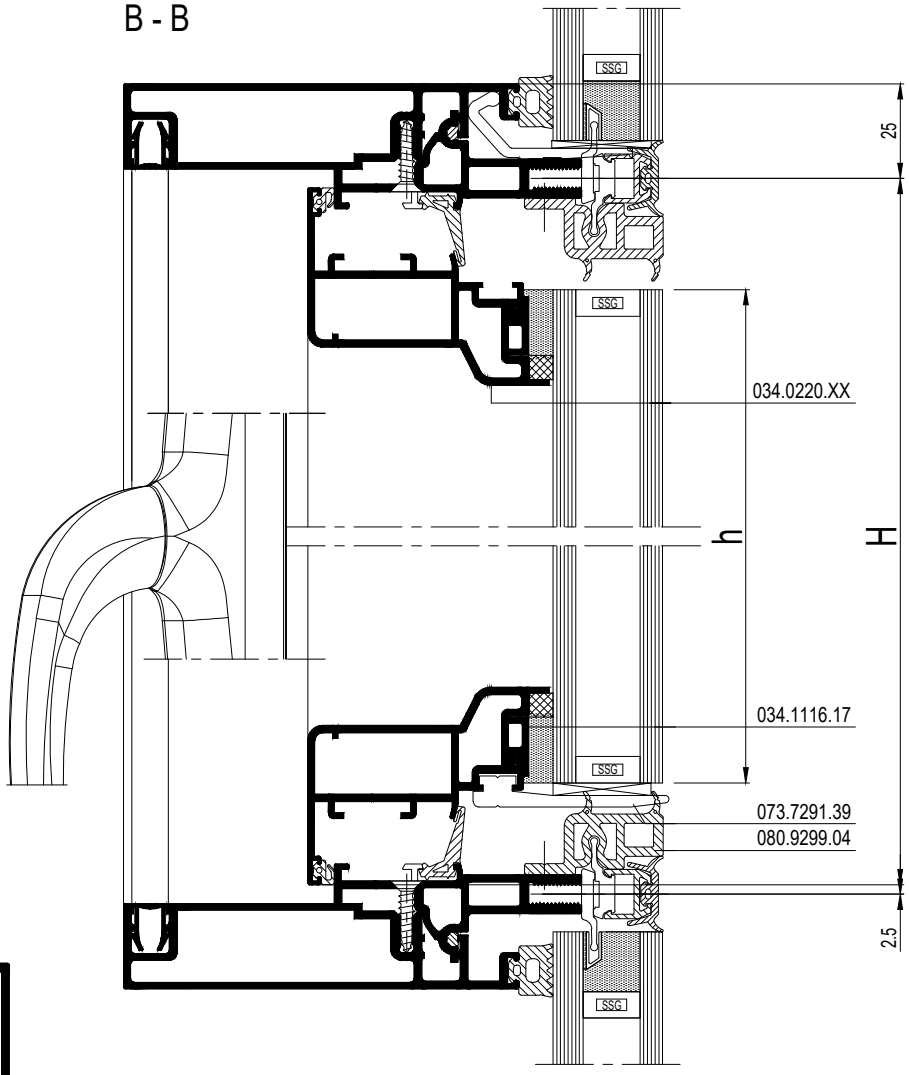
A - A



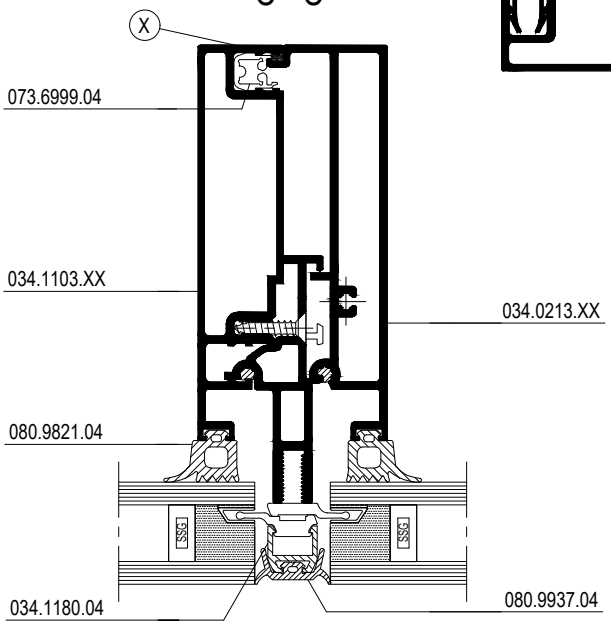
schaal - échelle
scale - Maßstab
1/2

ETAG 002

B - B



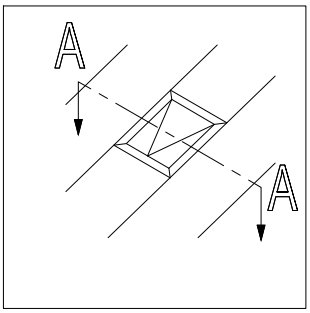
C - C



schaal - échelle
scale - Maßstab
1/2

ETAG 002

E



A - A

080.9754.04
068.7524.00
080.9347.04
052.5327.--* /250mm
068.7528.00
134.0570.XX
080.9381.04
080.9430.04
080.9446.04
068.7529.00
068.7526.00
080.9180.04
080.9805.04
080.9362.04
068.7527.00
134.0775.XX
060.7889.--
001.0075.17
080.9454.04
134.0770.XX
168.7012.00
168.5000.--
034.0618.XX
080.9817.04

13

X
X

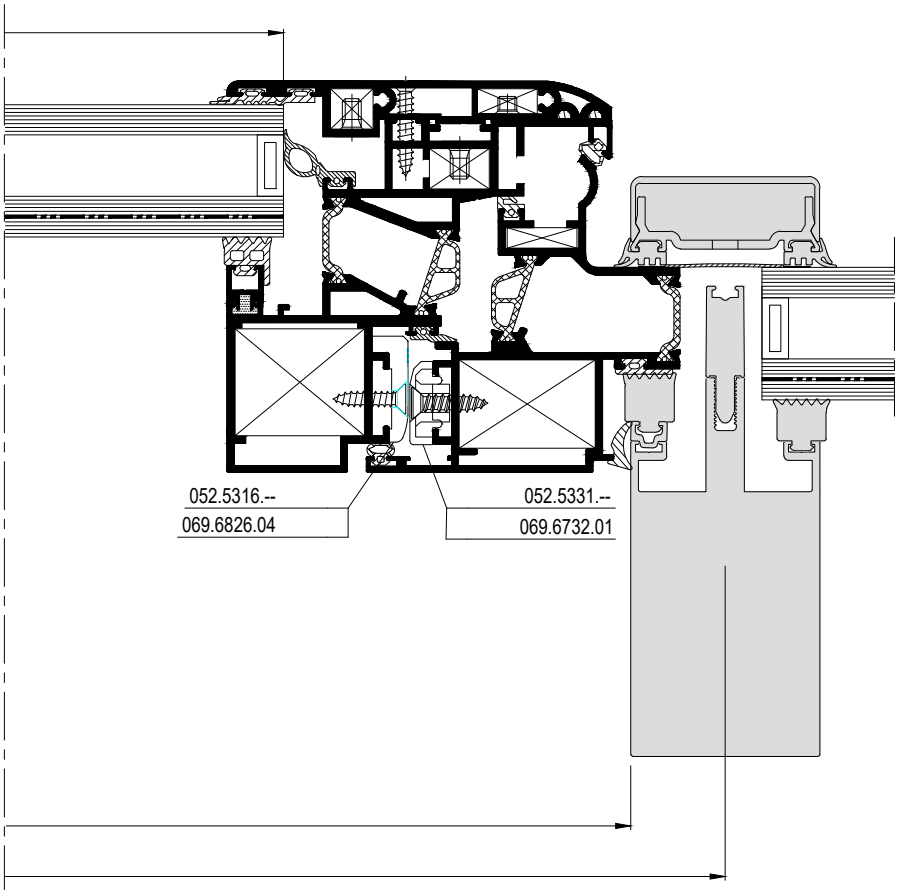
b
Bw
B

VARIANT
VARIANTE
052.5250.-- /250mm

X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2

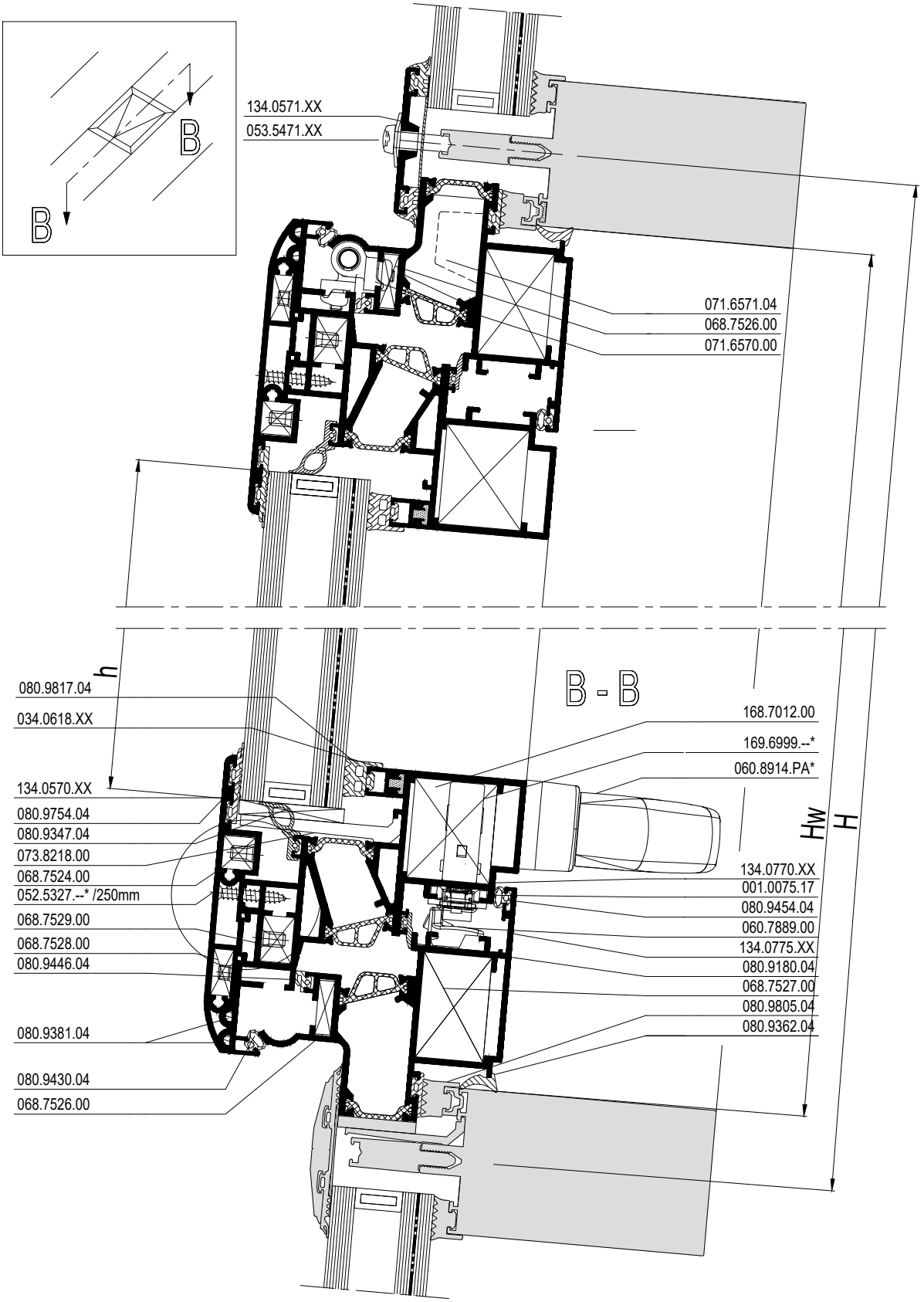
E



E

schaal - échelle
scale - Maßstab
1/2

DAKRAAM: RAAMKRUK
TABATIERE: CREMONE
ATTIC WINDOW: HANDLE
DACHFENSTER: HANDHEBEL



schaal - échelle
scale - Maßstab
1/2

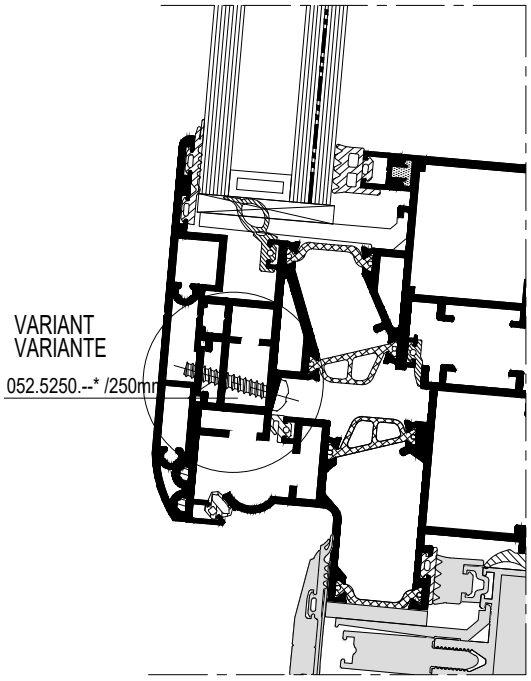
			#	Lm	
134.0571.XX			1	Bw-24	
134.0775.XX			2	Hw+26	
			2	Bw+26	
134.0770.XX			2	Hw-10.5	
			2	Bw-10.5	
134.0570.XX			2	Hw-10.5	
			2	Bw-10.5	
001.0075.17			-	51.F. ...	

OPTIE / OPTION (*)

052.5327.--*			

(*) of/ou/or/oder

052.5250.--*			



			#	
068.7524.00			4	51.G. ...
050.5000.--			8	51.G. ...
068.7526.00			4	51.G. ...
068.7527.00			4	51.G. ...
068.7528.00			4	51.G. ...
050.5132.--			8	51.G. ...
068.7529.00			4	51.G. ...
050.5000.--			8	51.G. ...
168.7012.00			4	51.G. ...
168.5000.00			8	51.G. ...
080.9362.04			2x(Bw+Hw)-60	51.G. ...
080.9446.04			2x(Bw+Hw)-325	51.G. ...
080.9430.04			2x(Bw+Hw)-80	51.G. ...
080.9454.04			2x(Bw+Hw)-80	51.G. ...
080.9180.04			2x(Bw+Hw)-460	51.G. ...
080.9347.04			2x(Bw+Hw)-670	51.G. ...
080.9381.04			4x(Bw+Hw)	51.G. ...
080.9754.04			2x(Bw+Hw)-756	51.G. ...
073.8218.00			2	51.G. ...
071.6570.XX			51.F. ...	51.G. ...
071.6571.04			51.F. ...	51.G. ...
060.7872.--			2	51.G. ...
069.6732.01			51.F. ...	51.G. ...
071.6573.04			51.F. ...	51.G. ...
069.6826.04			51.F. ...	51.G. ...
052.5331.--			51.F. ...	51.G. ...
052.5316.--			51.F. ...	51.G. ...

060.7889.--		51.F. ...	51.G. ...

(*) of/ou/or/oder

060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

b = Bw - 183.6
h = Hw - 183.6

≥ 50mm
ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

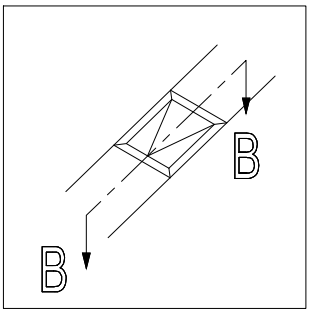
034.0618.XX			2	Hw-194.4	
			2	Bw-194.4	

080.9817.04		2x(Bw+Hw)-870	51.G. ...

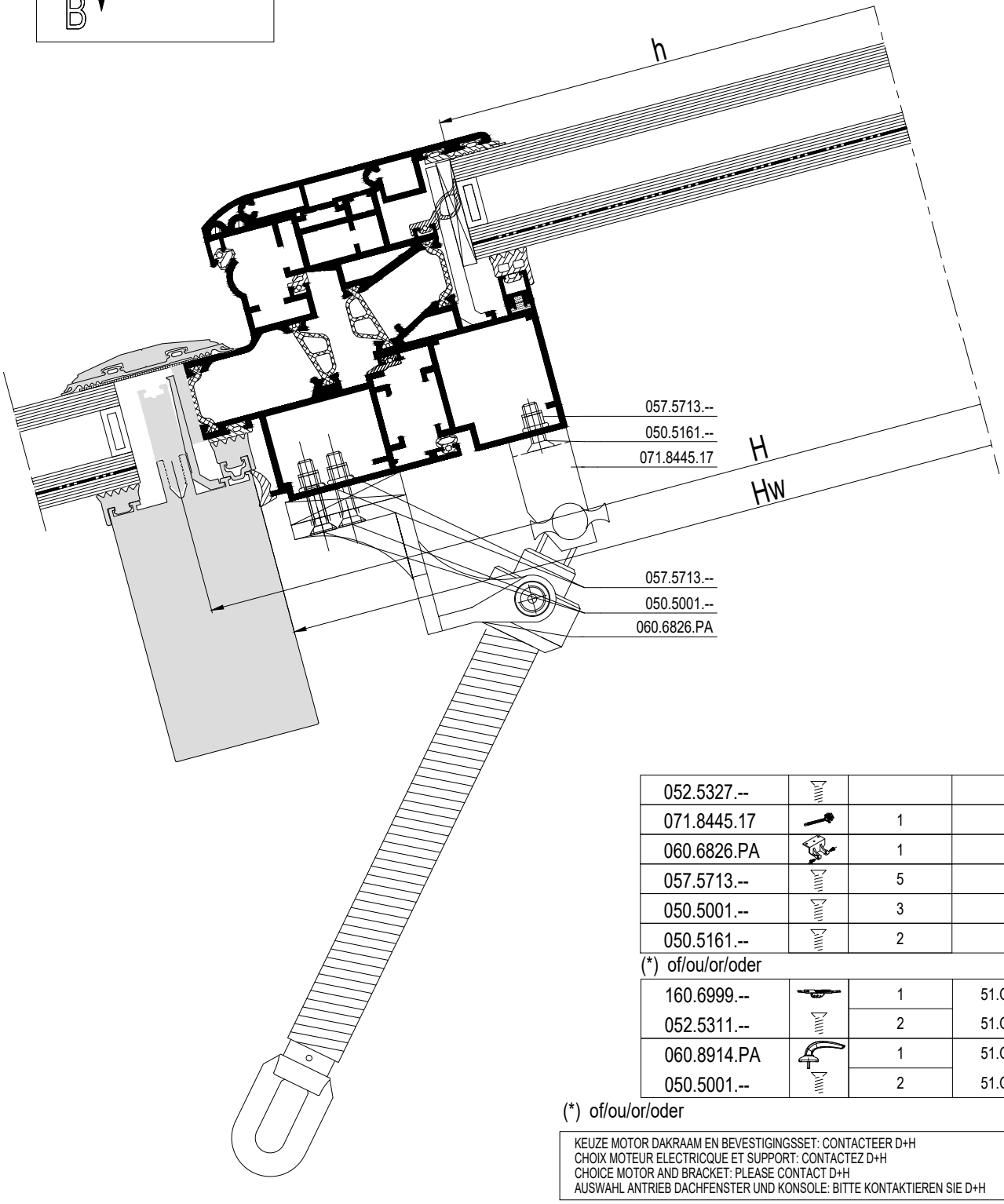
E

schaal - échelle
scale - Maßstab
1/2

DAKRAAM: SPINDEL
TABATIERE: VIS SANS FIN
ATTIC WINDOW: SPINDLE
DACHFENSTER: SPINDEL



B - B



052.5327.--			
071.8445.17		1	
060.6826.PA		1	
057.5713.--		5	
050.5001.--		3	
050.5161.--		2	

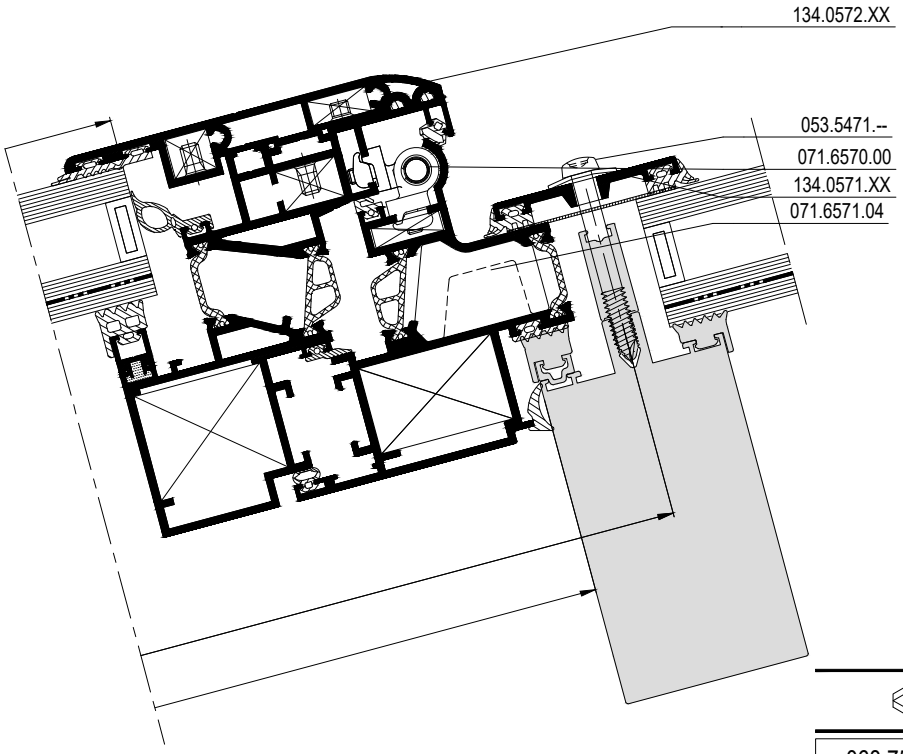
(*) of/ou/or/oder

160.6999.--		1	51.G. ...
052.5311.--		2	51.G. ...
060.8914.PA		1	51.G. ...
050.5001.--		2	51.G. ...

(*) of/ou/or/oder

KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

schaal - échelle
scale - Maßstab
1/2



			#	Lm	
134.0571.XX			1	Bw-24	
134.0775.XX			2	Hw+26	
			2	Bw+26	
134.0770.XX			2	Hw-10.5	
			2	Bw-10.5	
134.0570.XX			2	Hw-10.5	
			2	Bw-10.5	

OPTIE / OPTION (*)

052.5327.--*			

(*) of/ou/or/oder

052.5250.--*			

		#	
068.7524.00		4	51.G. ...
050.5000.--		8	51.G. ...
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7528.00		4	51.G. ...
050.5132.--		8	51.G. ...
068.7529.00		4	51.G. ...
050.5000.--		8	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9347.04		2x(Bw+Hw)-670	51.G. ...
080.9381.04		4x(Bw+Hw)	51.G. ...
080.9754.04		2x(Bw+Hw)-756	51.G. ...
073.8218.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6571.04		51.F. ...	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...

b = B - 233.6	
h = H - 233.6	

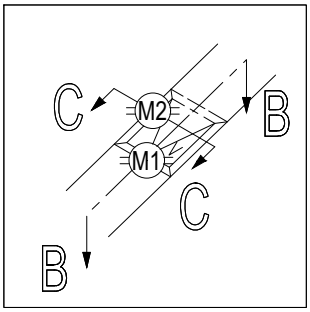
≥ 50mm
ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

034.0618.XX		2	Hw-184.4	
		2	Bw-184.4	

080.9817.04		2x(Bw+Hw)-870	51.G. ...

schaal - échelle
scale - Maßstab
1/2

DAKRAAM: MOTOR
TABATIERE: MOTEUR
ATTIC WINDOW: MOTOR
DACHFENSTER: ANTRIEB

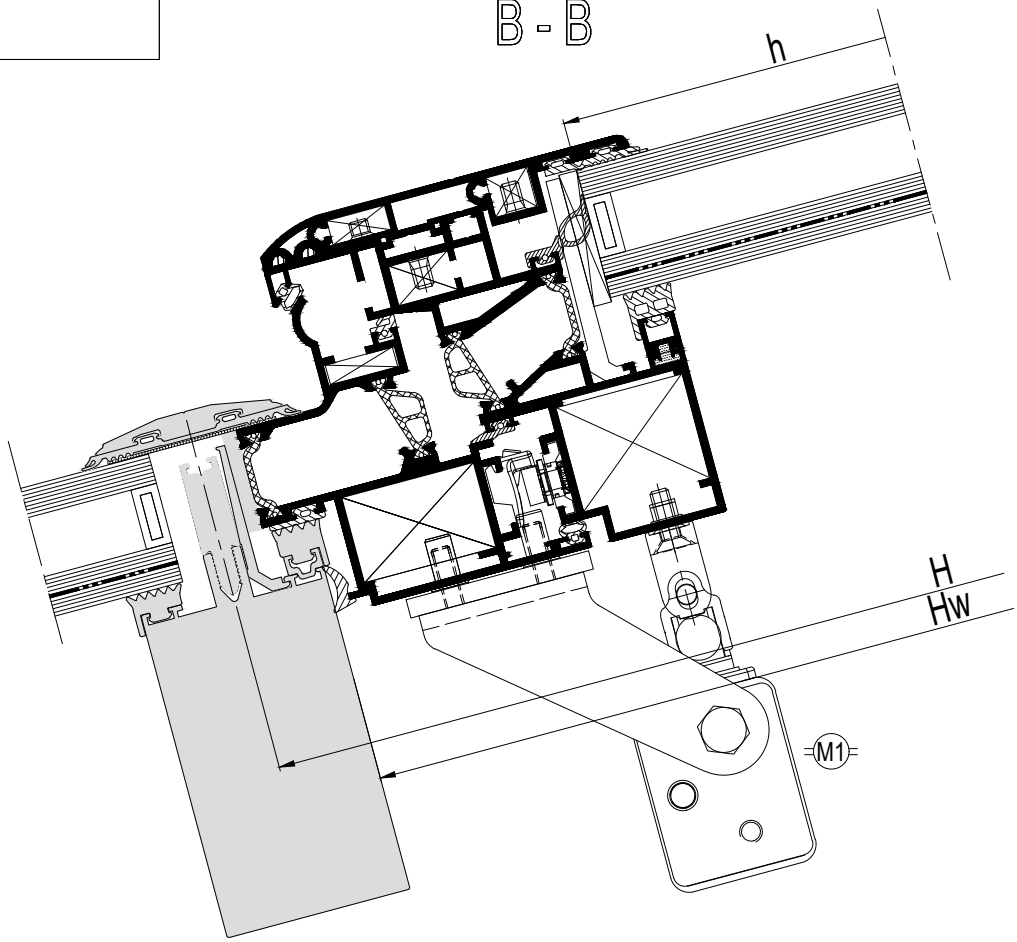


M1 MOTOR
MOTEUR
MOTOR
ANTRIEB

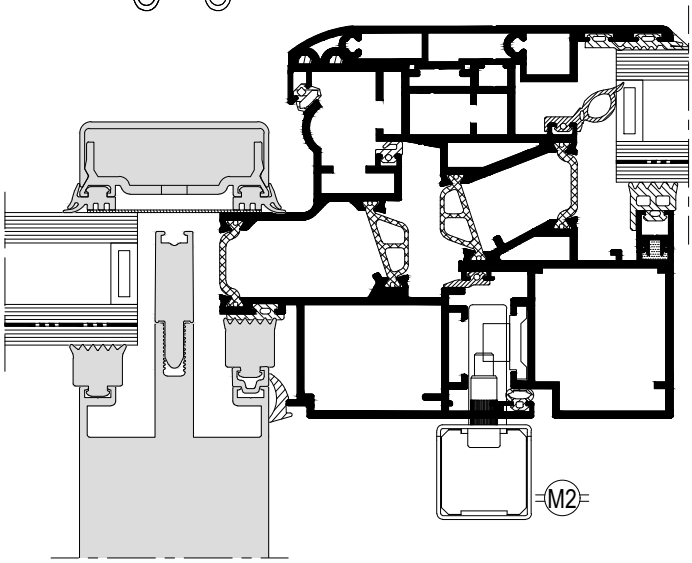
M2 BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

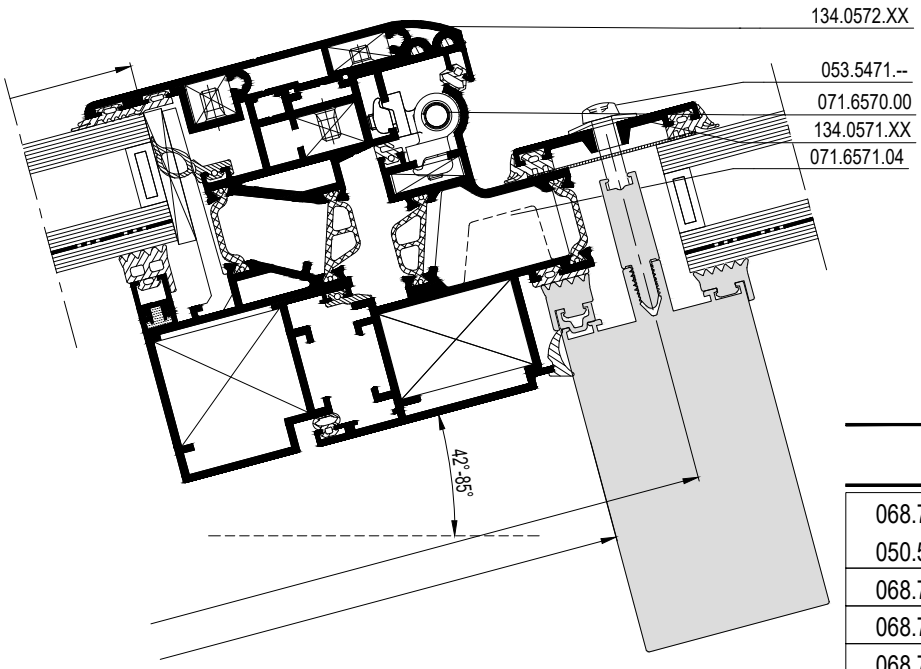
B - B



C - C



schaal - échelle
scale - Maßstab
1/2



			#	Lm	
134.0571.XX			1	Bw-24	
134.0775.XX			2	Hw+26	
			2	Bw+26	
134.0770.XX			2	Hw-10.5	
			2	Bw-10.5	
134.0570.XX			2	Hw-10.5	
			2	Bw-10.5	
001.0075.17			-	51.F. ...	

OPTIE / OPTION (*)

052.5327.--*			

(*) of/ou/or/oder

052.5250.--*			

b = Bw - 183.6
h = Hw - 183.6

≥ 50mm
ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

034.0618.XX			2	Hw-194.4	
			2	Bw-194.4	

		#	
068.7524.00		4	51.G. ...
050.5000.--		8	51.G. ...
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7528.00		4	51.G. ...
050.5132.--		8	51.G. ...
068.7529.00		4	51.G. ...
050.5000.--		8	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9347.04		2x(Bw+Hw)-670	51.G. ...
080.9381.04		4x(Bw+Hw)	51.G. ...
080.9754.04		2x(Bw+Hw)-756	51.G. ...
073.8218.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6571.04		51.F. ...	51.G. ...
060.7872.--		2	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...

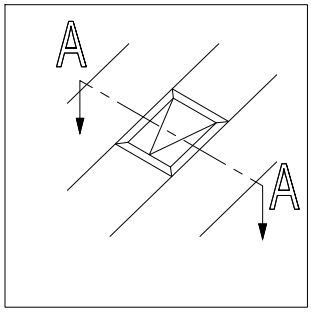
060.7889.--		51.F. ...	51.G. ...

(*) of/ou/or/oder

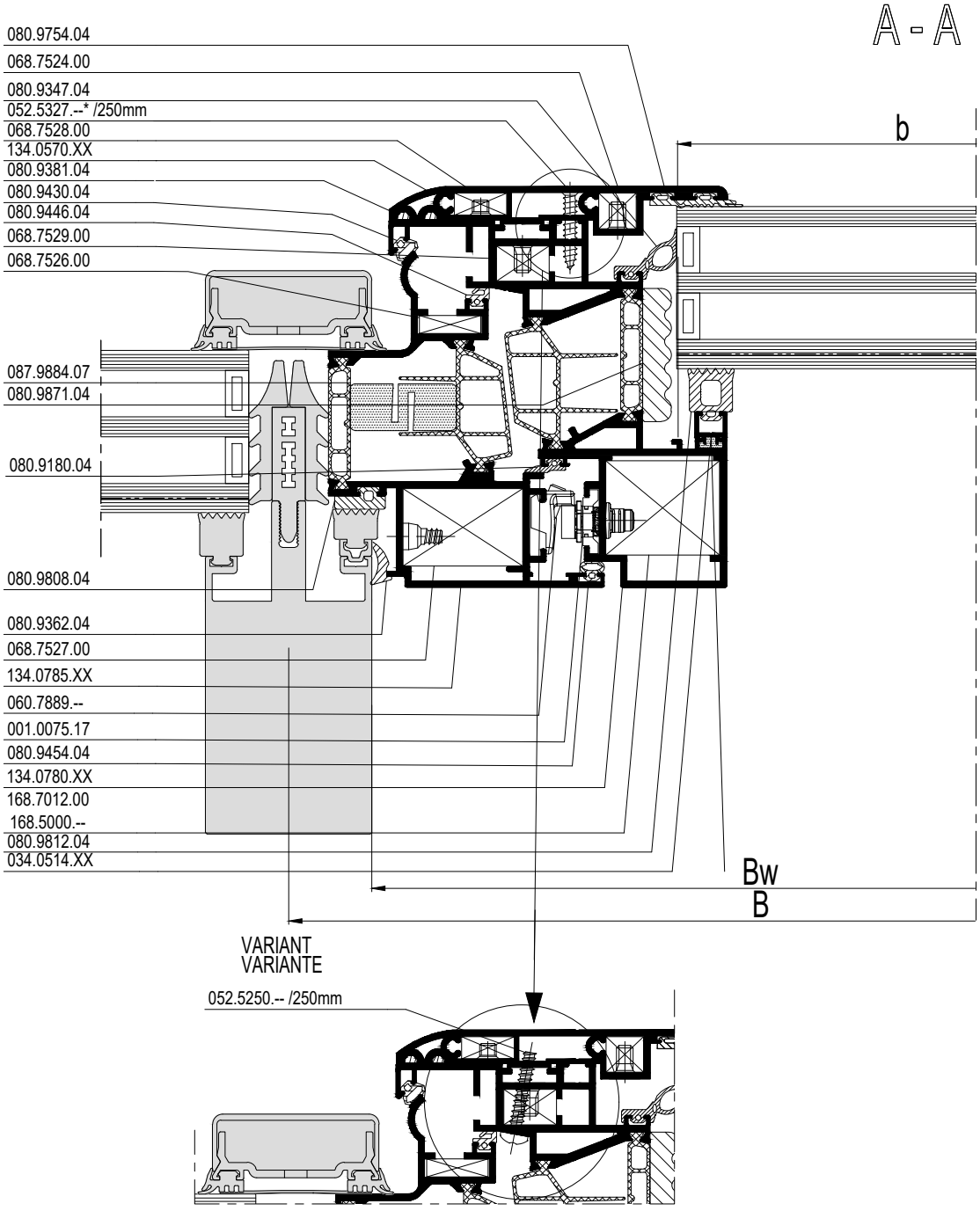
060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

080.9817.04		2x(Bw+Hw)-870	51.G. ...

schaal - échelle
scale - Maßstab
1/2

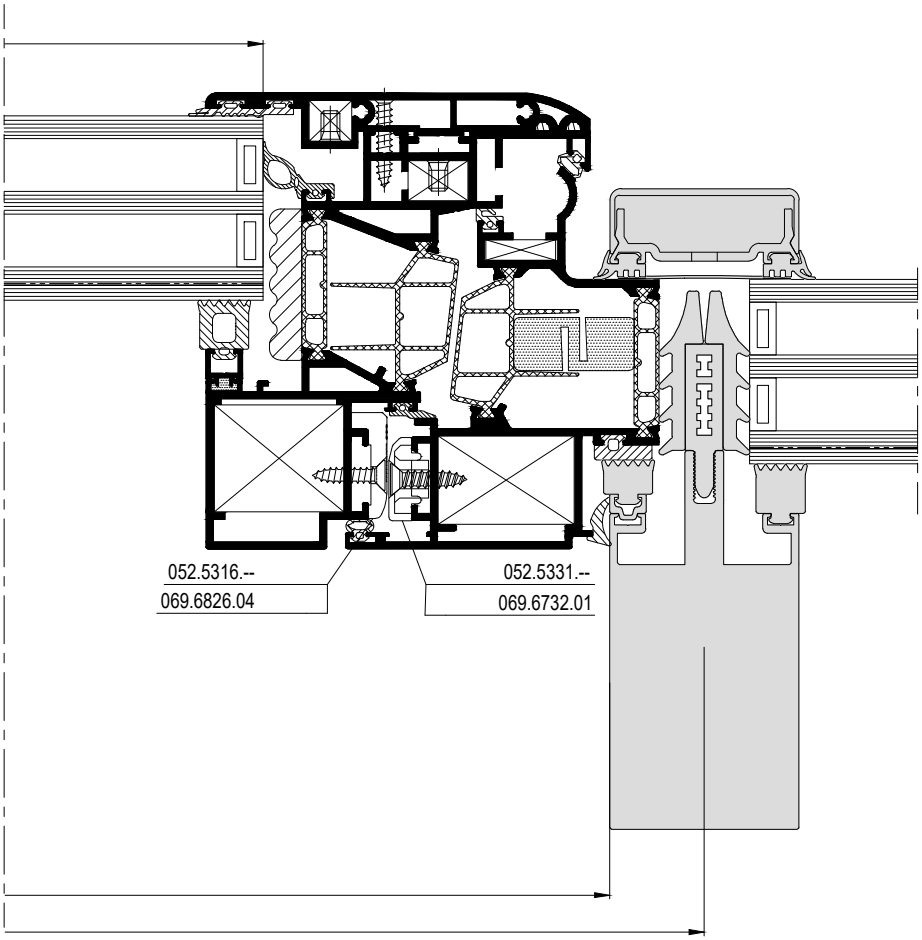


A - A



E

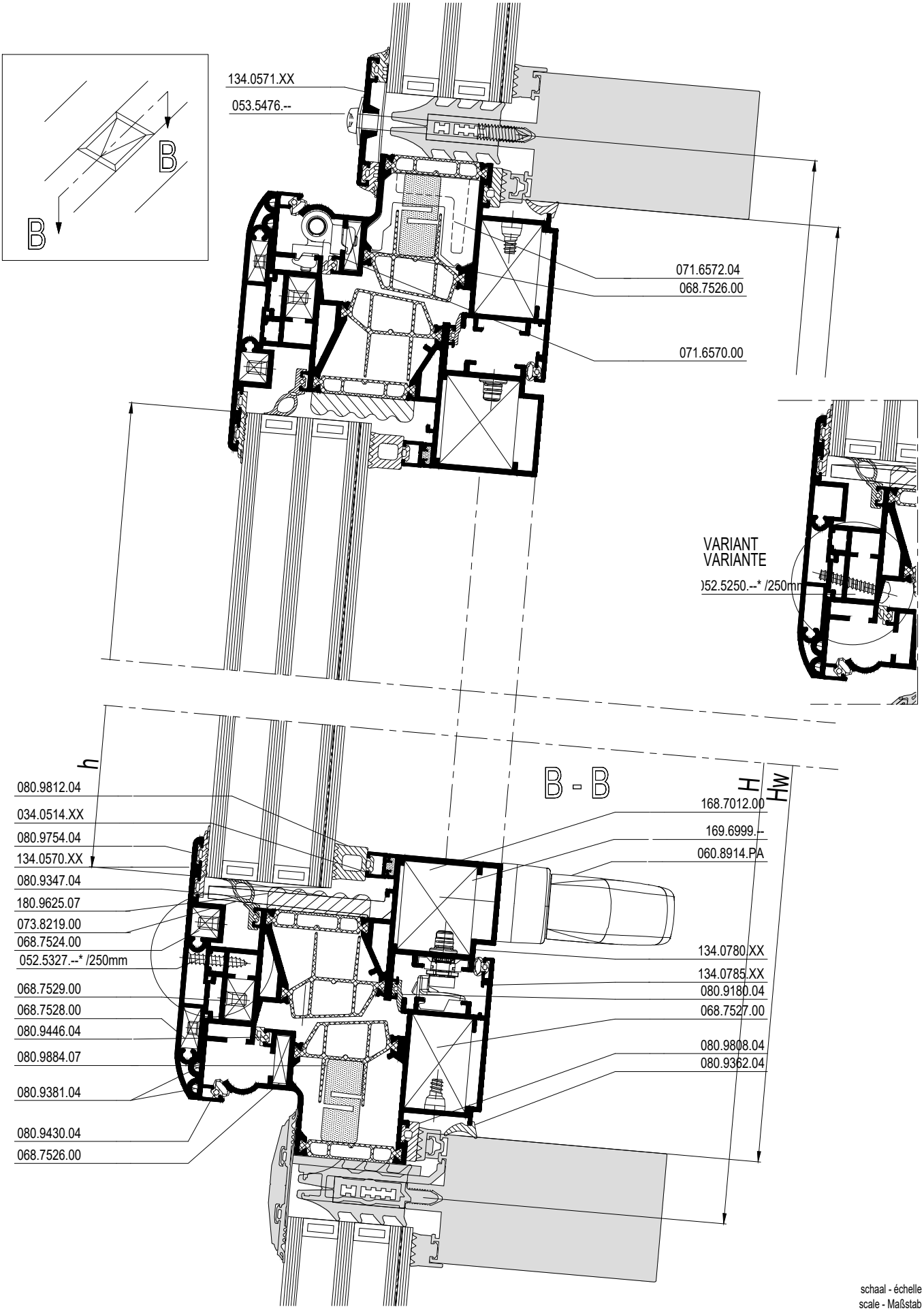
schaal - échelle
scale - Maßstab
1/2



E

schaal - échelle
scale - Maßstab
1/2

DAKRAAM: RAAMKRUK HI
TABATIERE: CREMONE HI
ATTIC WINDOW: HANDLE HI
DACHFENSTER: HANDHEBEL HI



schaal - échelle
scale - Maßstab
1/2

			#	Lm	
134.0571.XX			1	Bw-24	
134.0785.XX			2	Hw+26	
			2	Bw+26	
134.0780.XX			2	Hw-10.5	
			2	Bw-10.5	
134.0570.XX			2	Hw-10.5	
			2	Bw-10.5	
001.0075.17			-	51.F. ...	

OPTIE / OPTION (*)

052.5327.--*			

(*) of/ou/or/oder

052.5250.--*			

068.7524.00		4	51.G. ...
050.5000.--		8	51.G. ...
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7528.00		4	51.G. ...
050.5132.--		8	51.G. ...
068.7529.00		4	51.G. ...
050.5000.--		8	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9347.04		2x(Bw+Hw)-670	51.G. ...
080.9381.04		4x(Bw+Hw)	51.G. ...
080.9754.04		2x(Bw+Hw)-756	51.G. ...
087.9884.07		2x(Bw+Hw)+26	51.G. ...
180.9625.07		2x(Bw+Hw)+26	51.G. ...
073.8219.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6572.04		51.F. ...	51.G. ...
060.7872.--		2	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...

060.7889.--		51.F. ...	51.G. ...

(*) of/ou/or/oder

060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

b = Bw - 183.6
h = Hw - 183.6

ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

034.0514.XX			2	Hw-194.4	
			2	Bw-194.4	

080.9812.04		2x(Bw+Hw)-870	51.G. ...

160.6999.--		1	51.G. ...
052.5311.--		2	51.G. ...
060.8914.PA		1	51.G. ...
050.5001.--		2	51.G. ...

(*) of/ou/or/oder

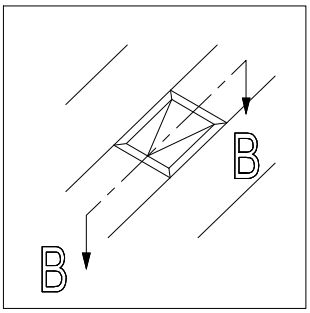
052.5327.--			
071.8445.17		1	
060.6826.PA		1	
057.5713.--		5	
050.5001.--		3	
050.5161.--		2	

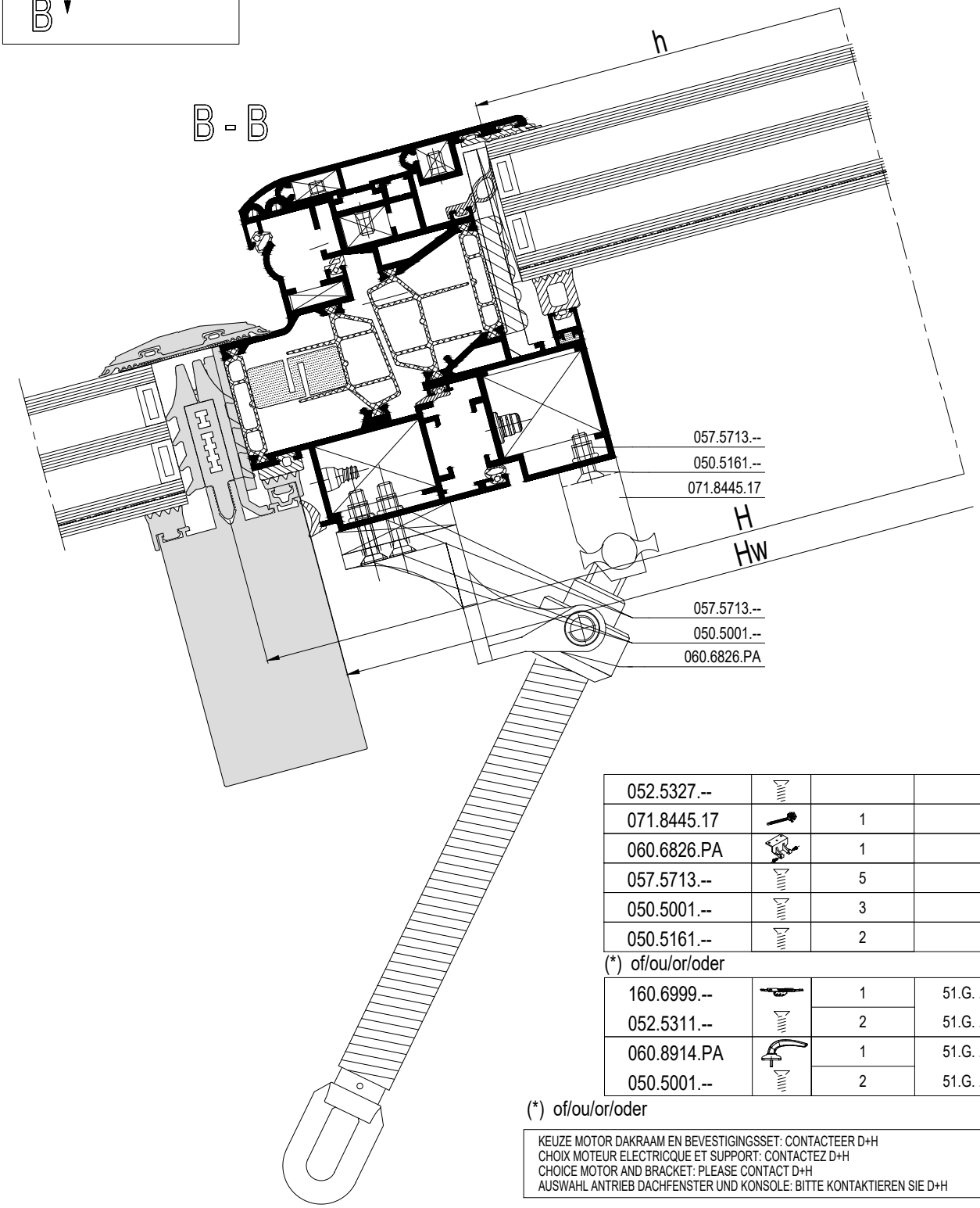
(*) of/ou/or/oder

KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

schaal - échelle
scale - Maßstab
1/2

DAKRAAM: SPINDEL HI
TABATIERE: VIS SANS FIN HI
ATTIC WINDOW: SPINDLE HI
DACHFENSTER-SPINDEL HI





052.5327.--			
071.8445.17		1	
060.6826.PA		1	
057.5713.--		5	
050.5001.--		3	
050.5161.--		2	

(*) of/ou/or/oder

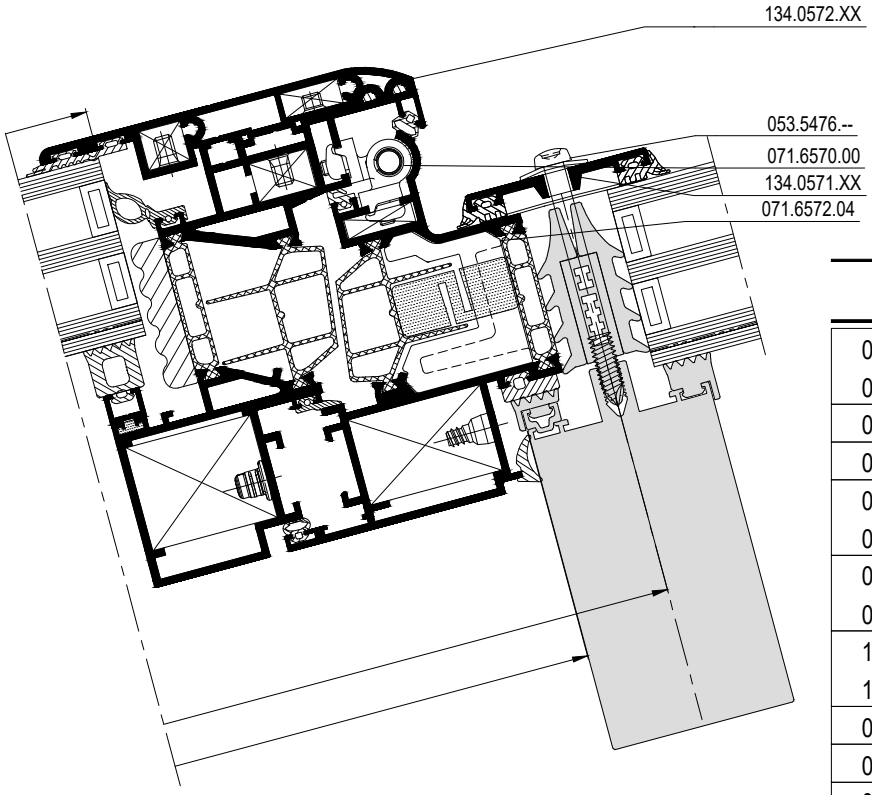
160.6999.--		1	51.G. ...
052.5311.--		2	51.G. ...
060.8914.PA		1	51.G. ...
050.5001.--		2	51.G. ...

(*) of/ou/or/oder

KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

schaal - échelle
scale - Maßstab
1/2

E



		#	
068.7524.00		4	51.G. ...
050.5000.--		8	51.G. ...
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7528.00		4	51.G. ...
050.5132.--		8	51.G. ...
068.7529.00		4	51.G. ...
050.5000.--		8	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9347.04		2x(Bw+Hw)-670	51.G. ...
080.9381.04		4x(Bw+Hw)	51.G. ...
080.9754.04		2x(Bw+Hw)-756	51.G. ...
087.9884.07		2x(Bw+Hw)+26	51.G. ...
180.9625.07		2x(Bw+Hw)+26	51.G. ...
073.8219.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6572.04		51.F. ...	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...

			#	Lm	
134.0571.XX			1	Bw-24	
134.0785.XX			2	Hw+26	
			2	Bw+26	
134.0780.XX			2	Hw-10.5	
			2	Bw-10.5	
134.0570.XX			2	Hw-10.5	
			2	Bw-10.5	

OPTIE / OPTION (*)

052.5327.--*			

(*) of/ou/or/oder

052.5250.--*			

ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

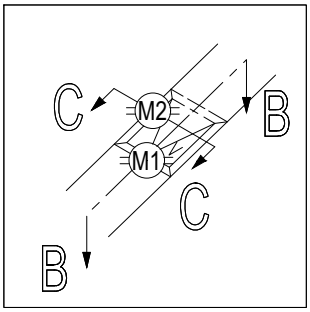
b = Bw - 183.6
h = Hw - 183.6

034.0514.XX			2	Hw-194.4	
			2	Bw-194.4	

080.9812.04		2x(Bw+Hw)-870	51.G. ...

schaal - échelle
scale - Maßstab
1/2

DAKRAAM: MOTOR HI
TABATIERE: MOTEUR HI
ATTIC WINDOW: MOTOR HI
DACHFENSTER: ANTRIEB HI

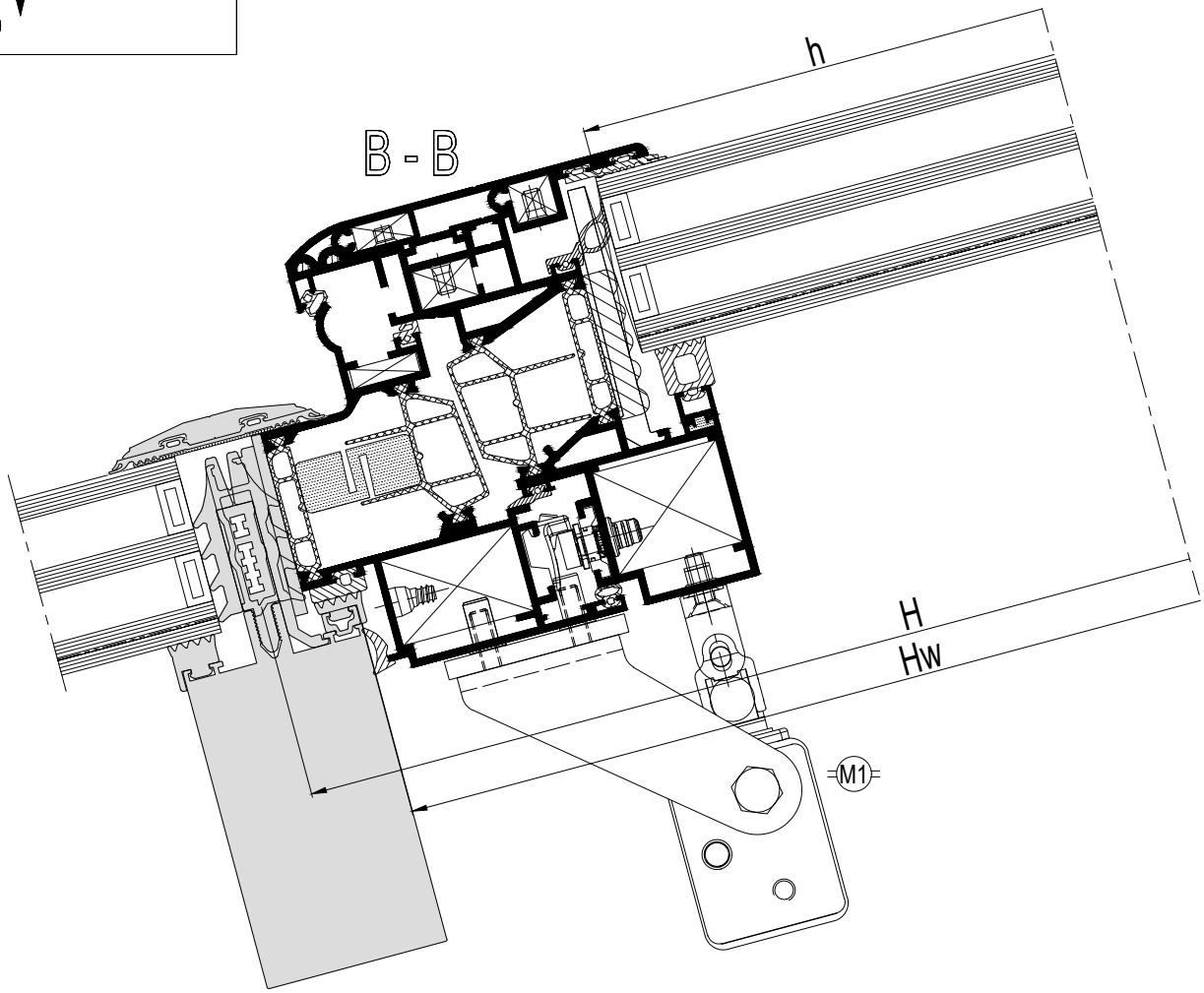


M1 MOTOR
MOTEUR
MOTOR
ANTRIEB

M2 BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

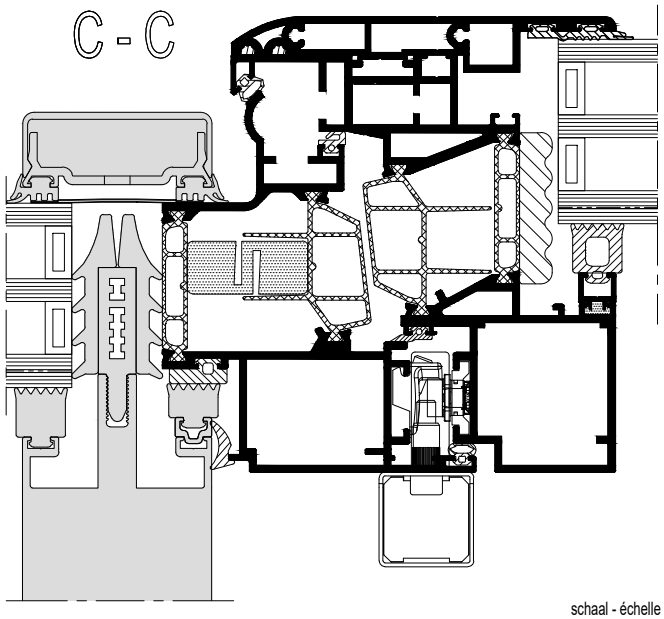
KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

B - B

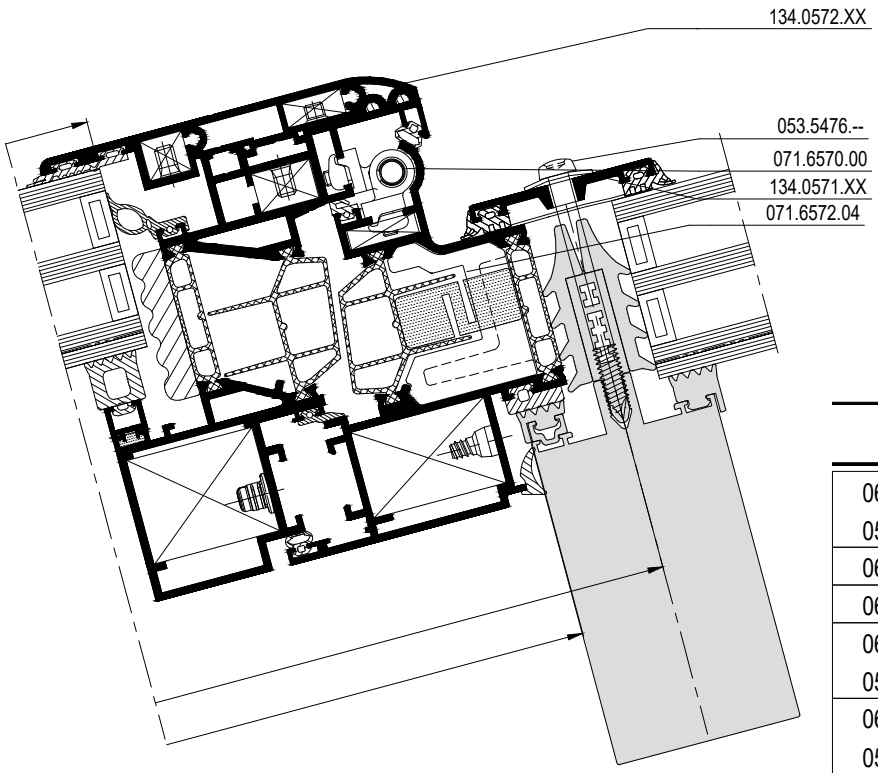


KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

C - C



schaal - échelle
scale - Maßstab
1/2



		#	
068.7524.00		4	51.G. ...
050.5000.--		8	51.G. ...
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7528.00		4	51.G. ...
050.5132.--		8	51.G. ...
068.7529.00		4	51.G. ...
050.5000.--		8	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9347.04		2x(Bw+Hw)-670	51.G. ...
080.9381.04		4x(Bw+Hw)	51.G. ...
080.9754.04		2x(Bw+Hw)-756	51.G. ...
087.9884.07		2x(Bw+Hw)+26	51.G. ...
180.9625.07		2x(Bw+Hw)+26	51.G. ...
073.8219.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6572.04		51.F. ...	51.G. ...
060.7872.--		2	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...

			#	Lm	
134.0571.XX			1	Bw-24	
134.0785.XX			2	Hw+26	
			2	Bw+26	
134.0780.XX			2	Hw-10.5	
			2	Bw-10.5	
134.0570.XX			2	Hw-10.5	
			2	Bw-10.5	
001.0075.17			-	51.F. ...	

OPTIE / OPTION (*)

052.5327.--*			

(*) of/ou/or/oder

052.5250.--*			

b = Bw - 183.6	
h = Hw - 183.6	

034.0514.XX			2	Hw-194.4	
			2	Bw-194.4	

080.9812.04		2x(Bw+Hw)-870	51.G. ...

060.7889.--		51.F. ...	51.G. ...

(*) of/ou/or/oder

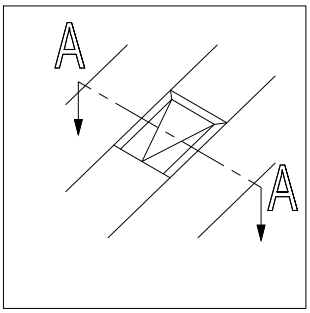
060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

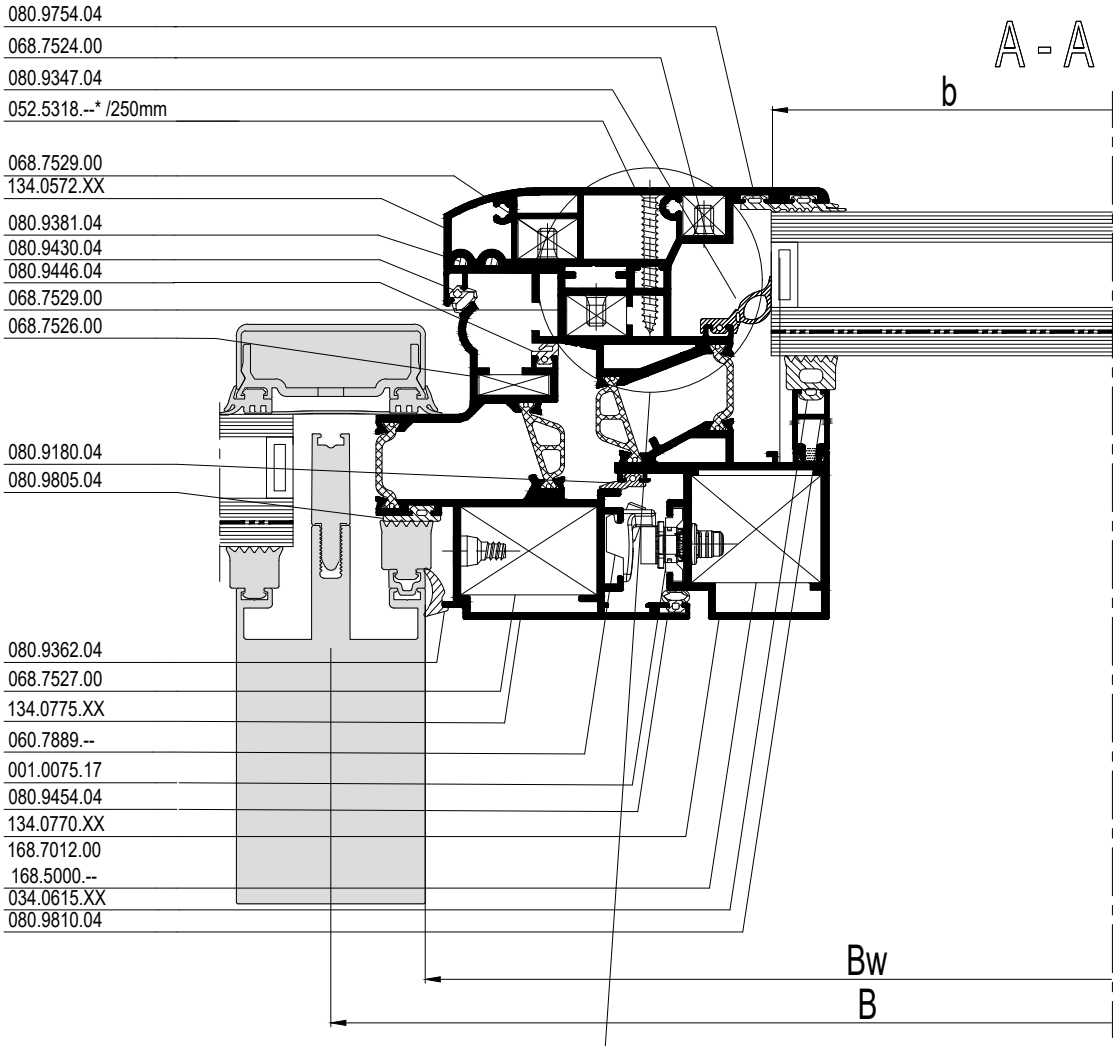
≥ 50mm

E

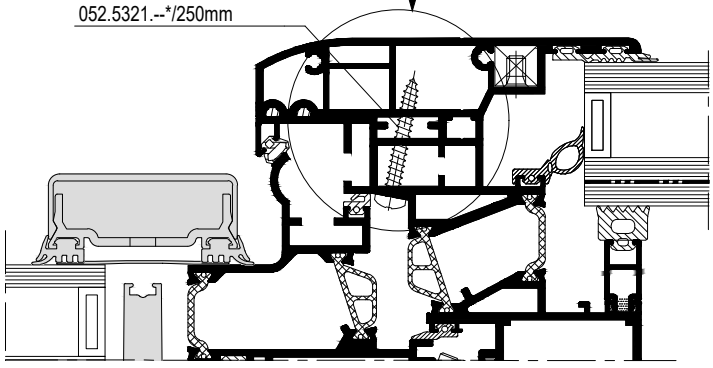
schaal - échelle
scale - Maßstab
1/2



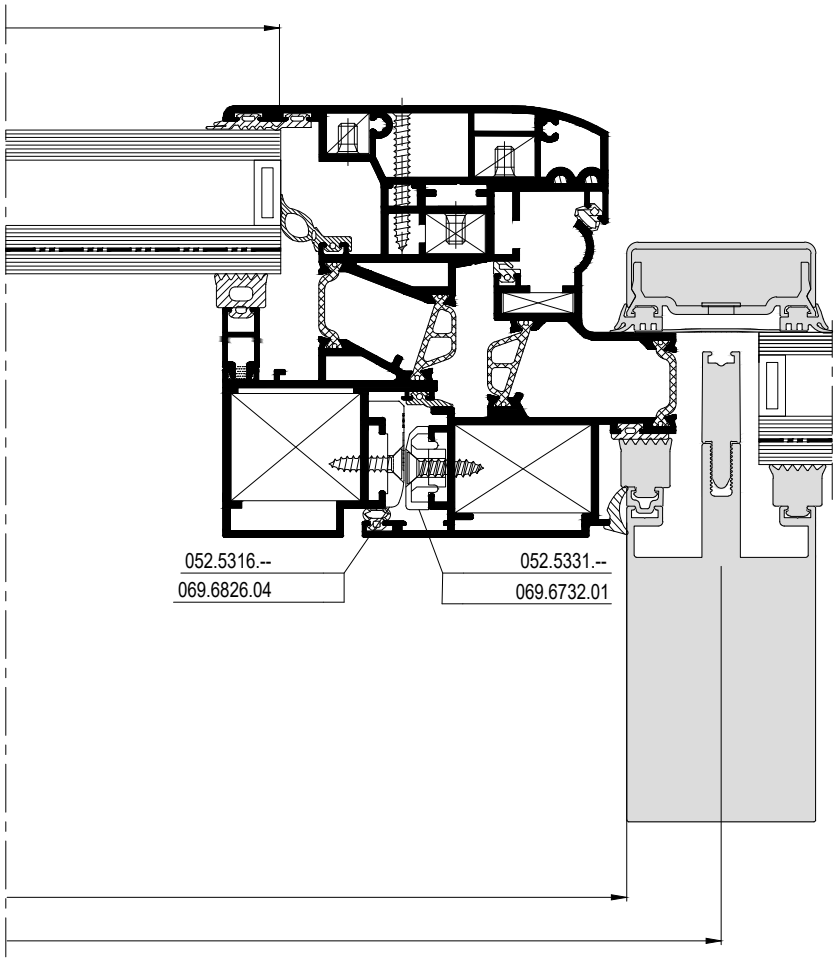
A - A



VARIANT
VARIANTE

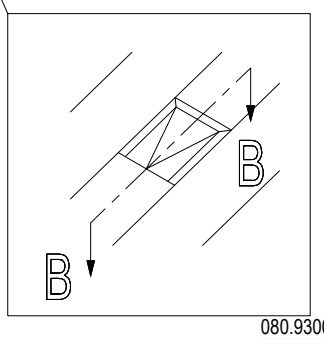


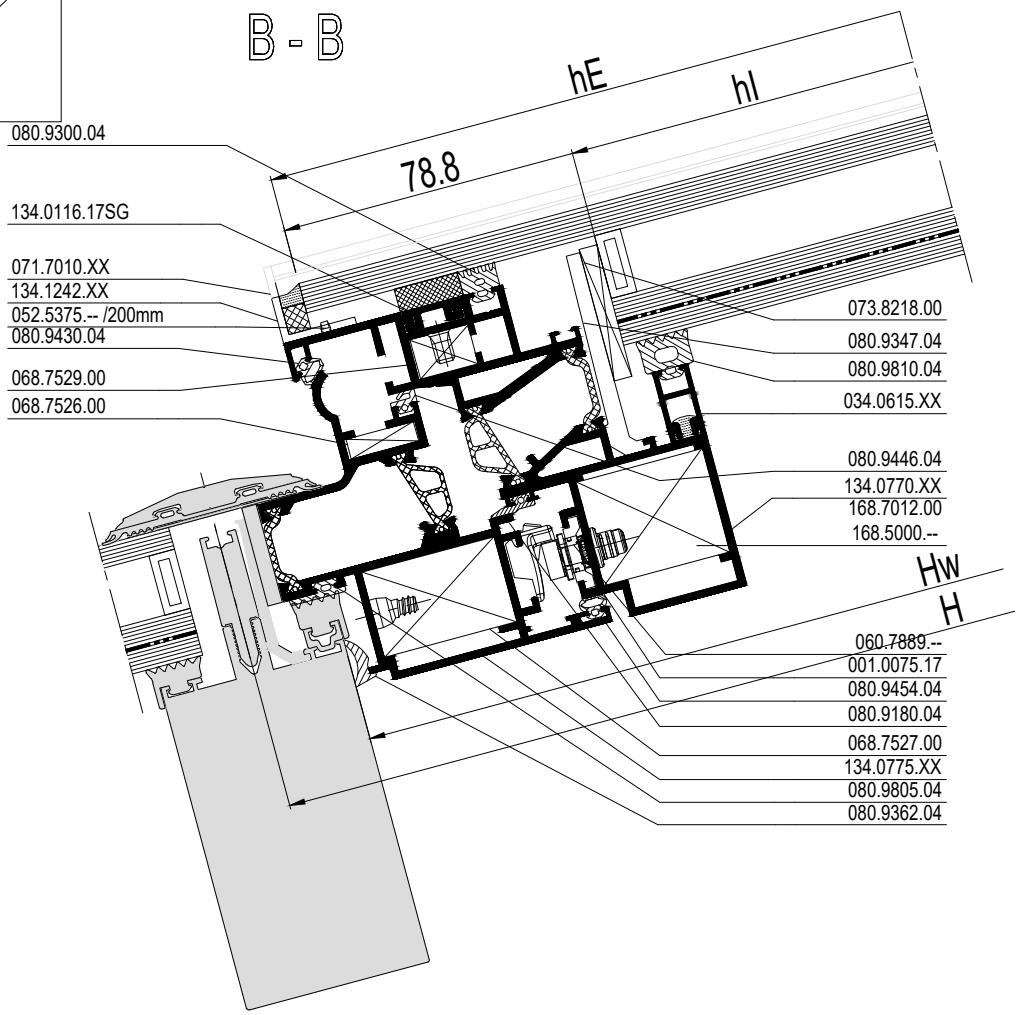
schaal - échelle
scale - Maßstab
1/2



E

schaal - échelle
scale - Maßstab
1/2





052.5327.--			
071.8445.17		1	
060.6826.PA		1	
057.5714.--		5	
050.5001.--		3	
050.5161.--		2	

(*) of/ou/or/oder

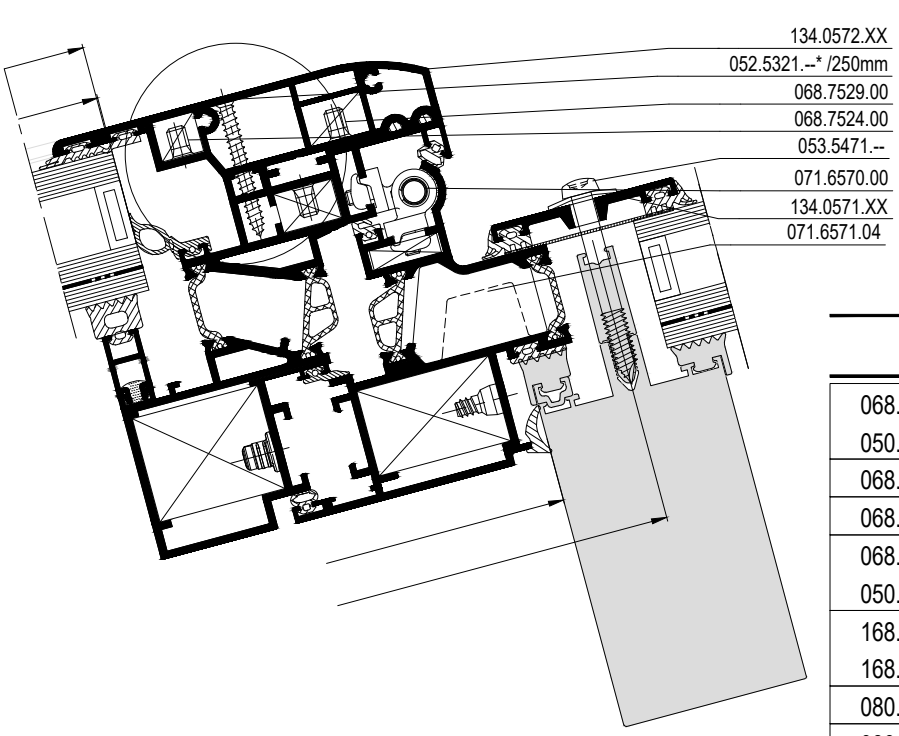
160.6999.--		1	51.G. ...
052.5311.--		2	51.G. ...
060.8914.PA		1	51.G. ...
050.5001.--		2	51.G. ...

(*) of/ou/or/oder

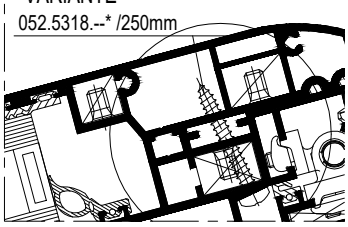
KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

ETAG 002

schaal - échelle
scale - Maßstab
1/2



VARIANT
VARIANTE
052.5318.--* /250mm



		#	
068.7524.00		4	51.G. ...
050.5000.--		8	51.G. ...
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7529.00		6	51.G. ...
050.5000.--		12	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9347.04		2x(Bw+Hw)-670	51.G. ...
080.9381.04		4x(Bw+Hw)	51.G. ...
080.9754.04		(Bw)+(2xHw)-342	51.G. ...
080.9300.04		1xBw	51.G. ...
073.8218.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6571.04		51.F. ...	51.G. ...
060.7872.----		2	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...
071.7010.XX		1	51.G. ...
050.5327.--		4	51.G. ...
052.5375.--		51.F. ...	51.G. ...

060.7889.--		51.F. ...	51.G. ...

(*) of/ou/or/oder

060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

			Lm	
134.0571.XX		1	Bw-24	
134.0775.XX		2	Hw+26	
		2	Bw+26	
134.0770.XX		2	Hw-10.5	
		2	Bw-10.5	
134.1242.XX		1	Bw-163.5	
134.0116.17SG		1	Bw-74.5	
134.0572.XX		1	Hw-13.5	
		1	Bw-10.5	
		1	Hw-13.5	
001.0075.17		-	51.F. ...	

OPTIE / OPTION (*)				
052.5318.--*				51.G. ...

(*) of/ou/or/oder

052.5321.--*				51.G. ...

hI = Hw - 183.6
hE = Hw - 104.8
b = Bw - 183.6

≥ 50mm
ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

034.0615.XX		2	Hw-194.4	
		2	Bw-194.4	

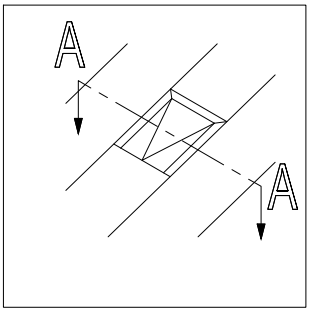
080.9810.SY		2x(Bw+Hw)-870	51.G. ...

E

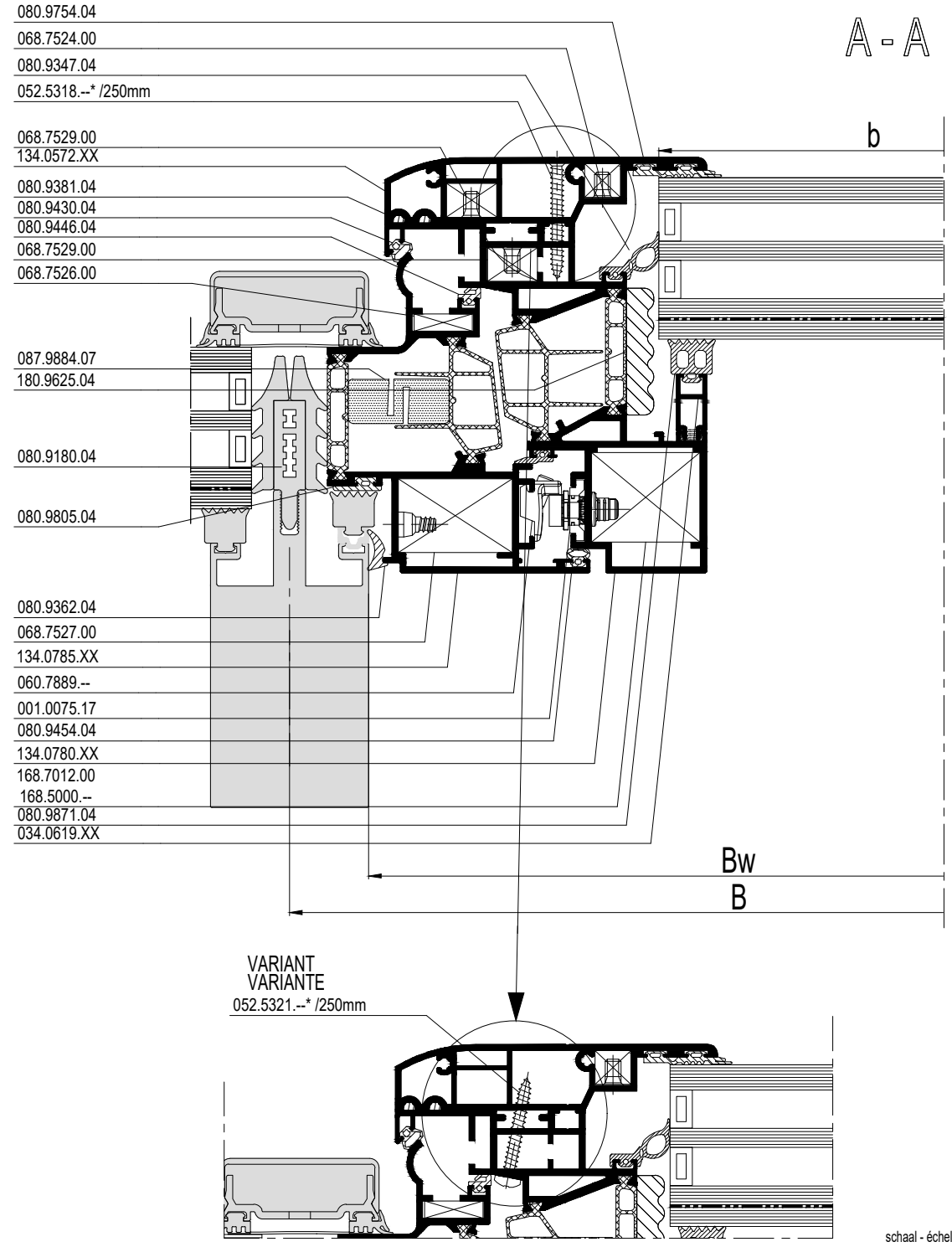
ETAG 002

schaal - échelle
scale - Maßstab
1/2

DAKRAAM SGS/GB HI
TABATIERE SGS/GB HI
ATTIC WINDOW SGS/GB HI
DACHFENSTER SGS/GB HI



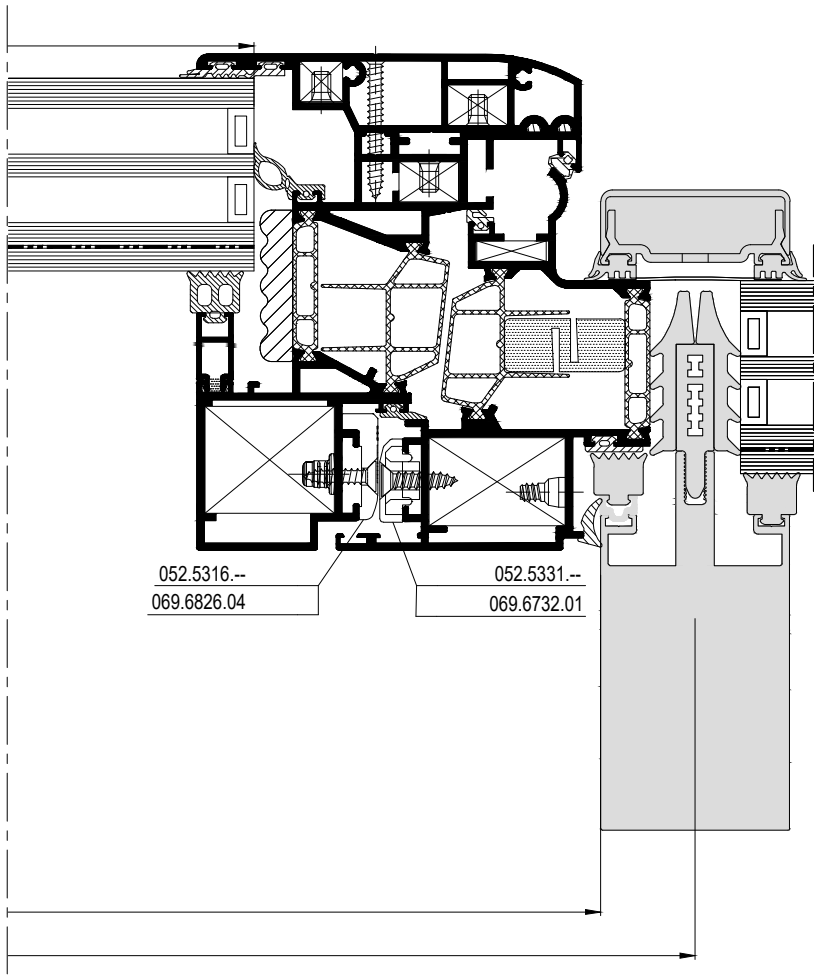
A - A



schaal - échelle
scale - Maßstab
1/2

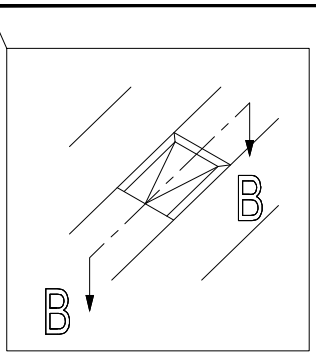
E

DAKRAAM SGS/GB HI
TABATIERE SGS/GB HI
ATTIC WINDOW SGS/GB HI
DACHFENSTER SGS/GB HI

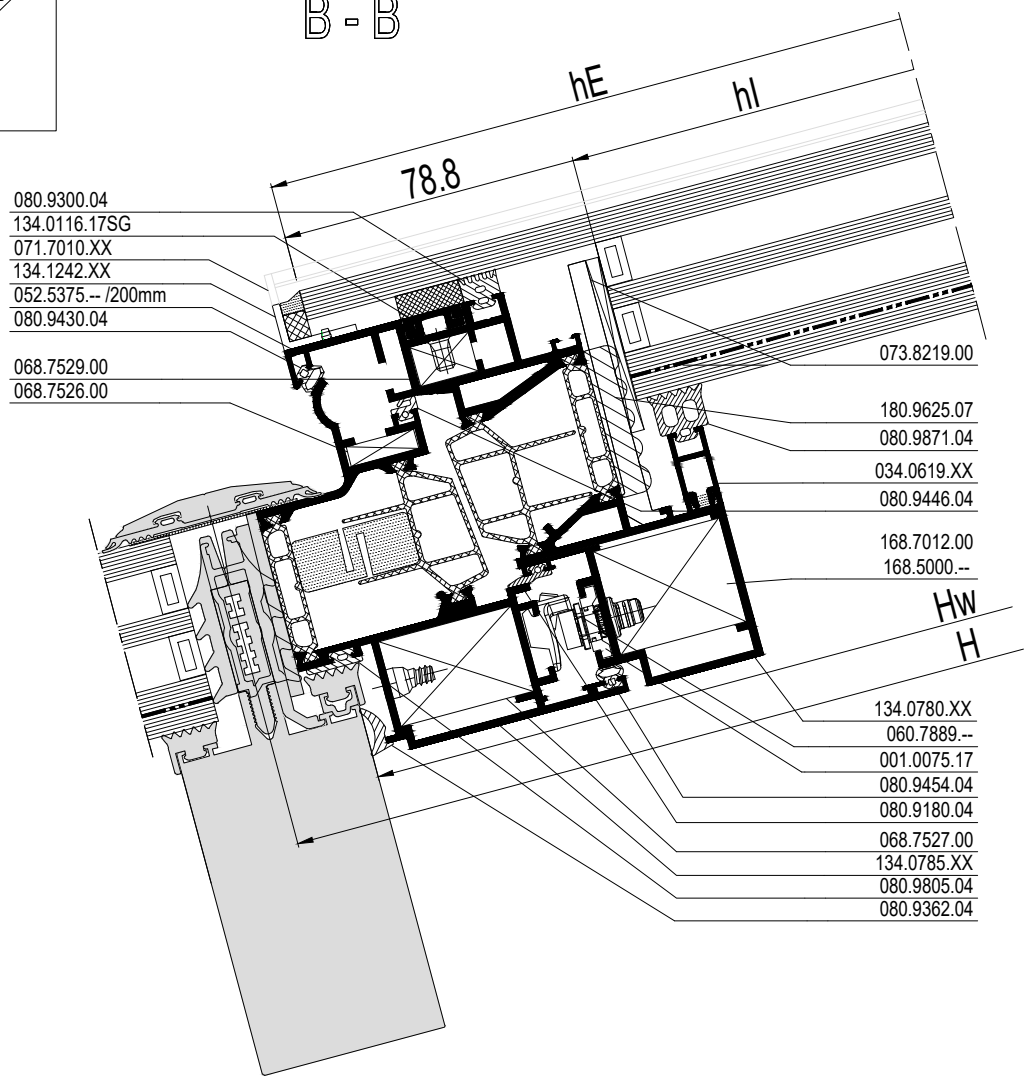


E

schaal - échelle
scale - Maßstab
1/2



B - B



052.5327.--			
071.8445.17		1	
060.6826.PA		1	
057.5713.--		5	
050.5001.--		3	
050.5161.--		2	

(*) of/ou/or/oder

160.6999.--		1	51.G. ...
052.5311.--		2	51.G. ...
060.8914.PA		1	51.G. ...
050.5001.--		2	51.G. ...

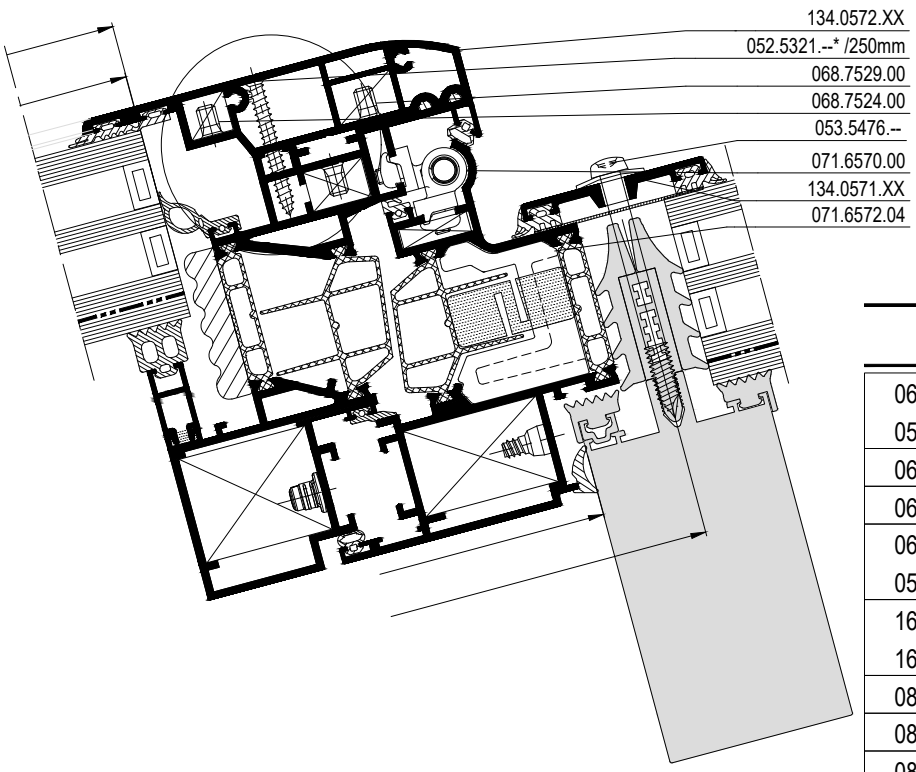
(*) of/ou/or/oder

KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

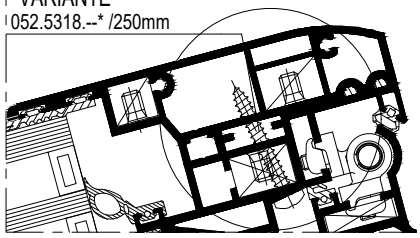
ETAG 002

schaal - échelle
scale - Maßstab
1/2

DAKRAAM SGS/GB HI
TABATIERE SGS/GB HI
ATTIC WINDOW SGS/GB HI
DACHFENSTER SGS/GB HI



VARIANT
VARIANTE
052.5318.--* /250mm



		#	
068.7524.00		4	51.G. ...
050.5000.--		8	51.G. ...
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7529.00		6	51.G. ...
050.5000.--		12	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-423	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9347.04		2x(Bw+Hw)-670	51.G. ...
080.9381.04		4x(Bw+Hw)	51.G. ...
080.9754.04		(Bw)+(2xHw)-342	51.G. ...
080.9300.04		1xBw	51.G. ...
073.8218.00		51.F. ...	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6572.04		3	51.G. ...
060.7872.--		2	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...
071.7010.XX		1	51.G. ...
050.5327.--		4	51.G. ...
052.5375.--		51.F. ...	51.G. ...
180.9625.04		(2xB)+(2xH)-72	51.G. ...
087.9884.07		(2xB)+(2xH)-72	51.G. ...

			#	Lm	
134.0571.XX			1	Bw-24	
134.0785.XX			2	Hw+26	
			2	Bw+26	
134.0780.XX			2	Hw-10.5	
			2	Bw-10.5	
134.1242.XX			1	Bw-163.5	
134.0116.17SG			1	Bw-74.5	
134.0572.XX			1	Hw-13.5	
			1	Bw-10.5	
			1	Hw-13.5	
001.0075.17			-	51.F. ...	

OPTIE / OPTION (*)	052.5318.--*		51.G. ...

(*) of/ou/or/oder

052.5321.--*			51.G. ...

060.7889.--		51.F. ...	51.G. ...

(*) of/ou/or/oder

060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

hI = Hw - 183.6
hE = Hw - 104.8
b = Bw - 183.6

≥ 50mm
ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

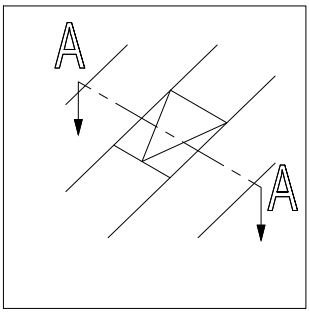
034.0619.XX			2	Hw-194.4	
			2	Bw-194.4	

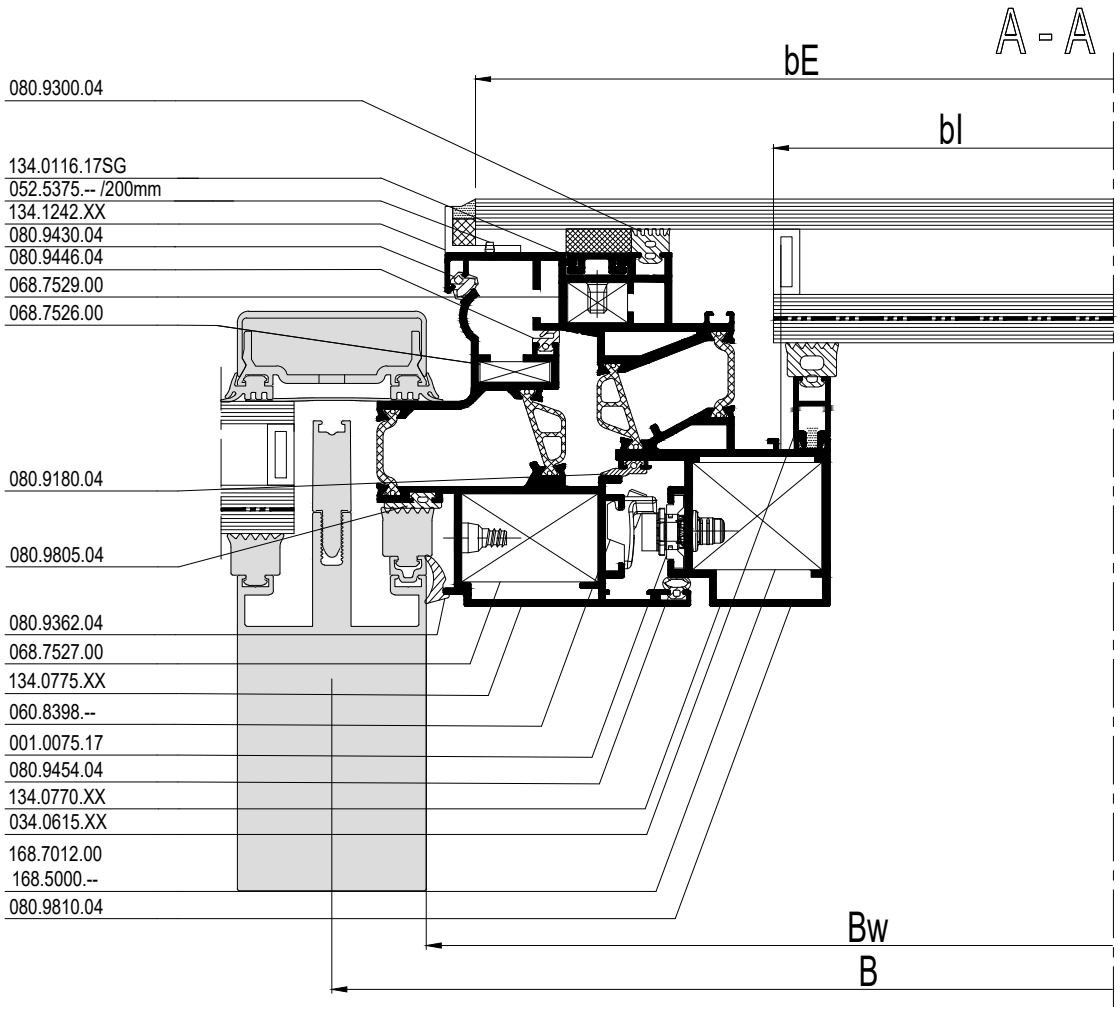
080.9810.SY		2x(Bw+Hw)-870	51.G. ...

ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

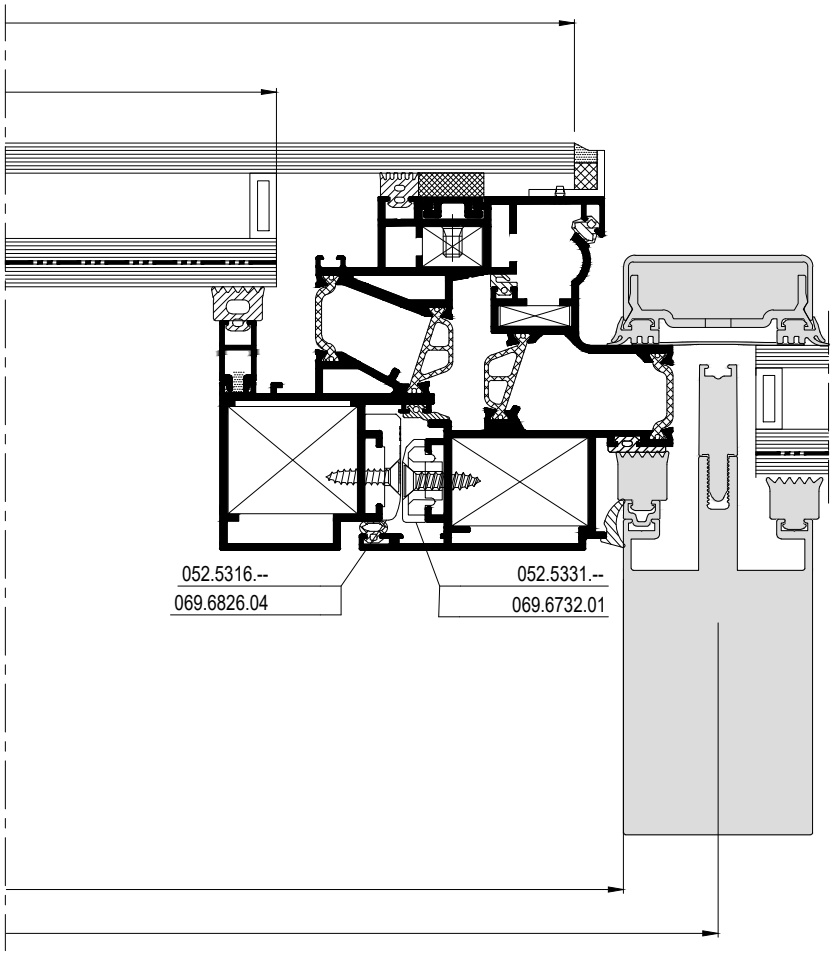




E

ETAG 002

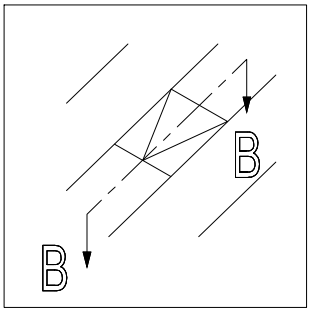
schaal - échelle
scale - Maßstab
1/2



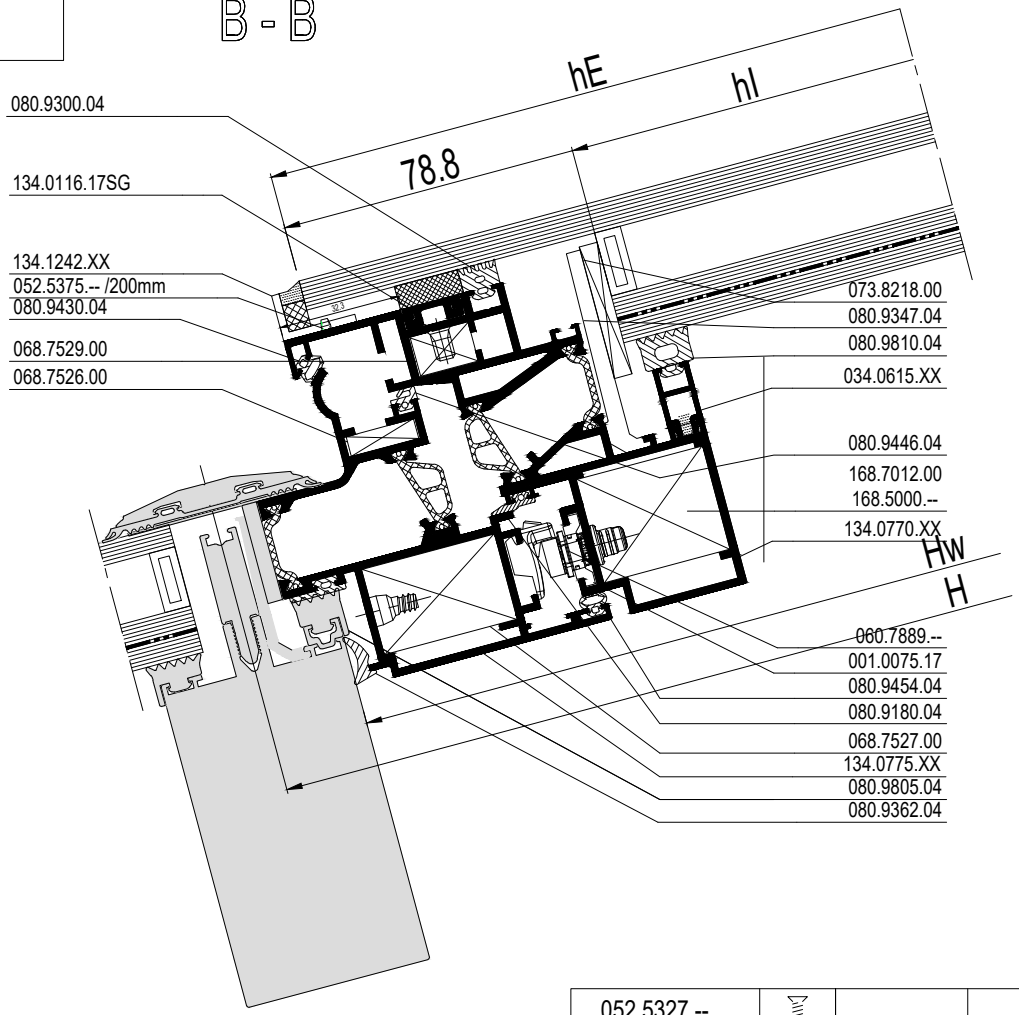
E

ETAG 002

schaal - échelle
scale - Maßstab
1/2



B - B



bl = Bw - 183.6
bE = Bw - 26
hl = Hw - 183.6
hE = Bw - 26

		#	Lm	
134.0571.XX		1	Bw-24	
134.0775.XX		2	Hw+26	
		2	Bw+26	
134.0770.XX		2	Hw-10.5	
		2	Bw-10.5	
134.1242.XX		2	Hw-10.5	
		2	Bw-10.5	
134.0116.17SG		2	Hw-74.5	
		2	Bw-74.5	
001.0075.17		-	51.F. ...	

052.5327.--			
071.8445.17		1	
060.6826.PA		1	
ondervulling		1	
057.5713.--		5	
050.5001.--		3	
050.5161.--		2	

(*) of/ou/or/oder

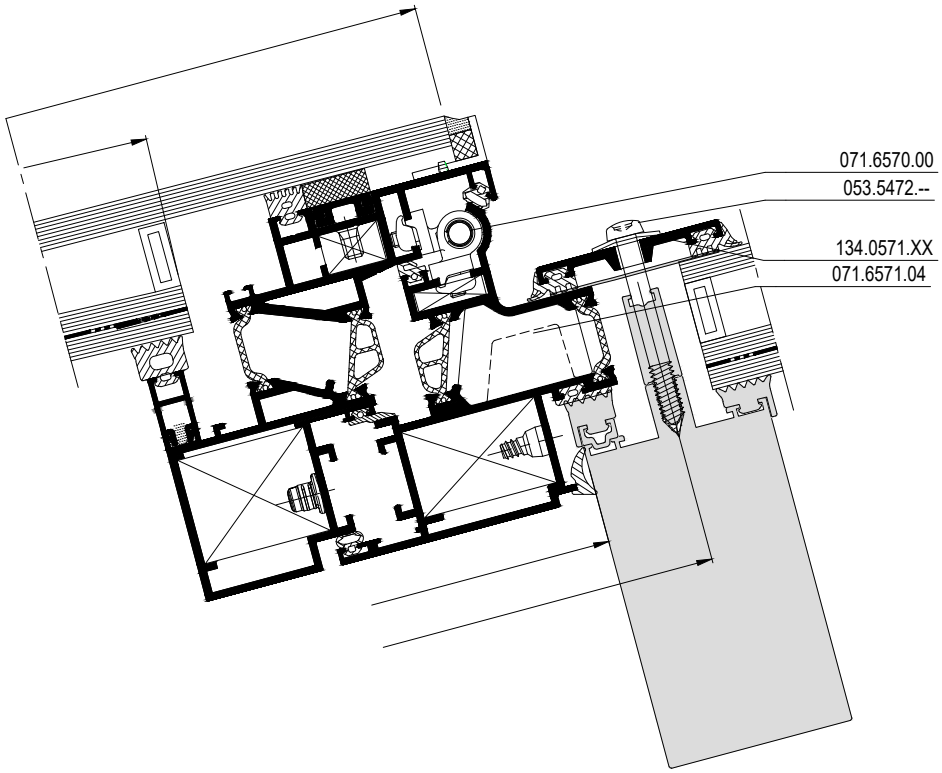
160.6999.--		1	51.G. ...
052.5311.--		2	51.G. ...
060.8914.PA		1	51.G. ...
050.5001.--		2	51.G. ...

(*) of/ou/or/oder

KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

ETAG 002

schaal - échelle
scale - Maßstab
1/2



		#	
069.6732.01		4	51.G. ...
071.6573.04		2	51.G. ...
069.6826.04		2	51.G. ...
052.5331.--		4	51.G. ...
052.5316.--		4	51.G. ...
060.7889.--		51.F. ...	51.G. ...
(*) of/ou/or/oder			
060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

		#	
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7529.00		4	51.G. ...
050.5000.--		8	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9300.04		2x(Bw+Hw)	51.G. ...
073.8218.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6571.04		51.F. ...	51.G. ...
060.7872.--		2	51.G. ...
052.5375.--		51.F. ...	51.G. ...

≥ 50mm
ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

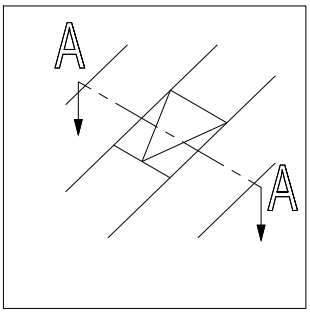
034.0615.XX			2	Hw-194.4	
			2	Bw-194.4	

080.9810.SY		2x(Bw+Hw)-870	51.G. ...

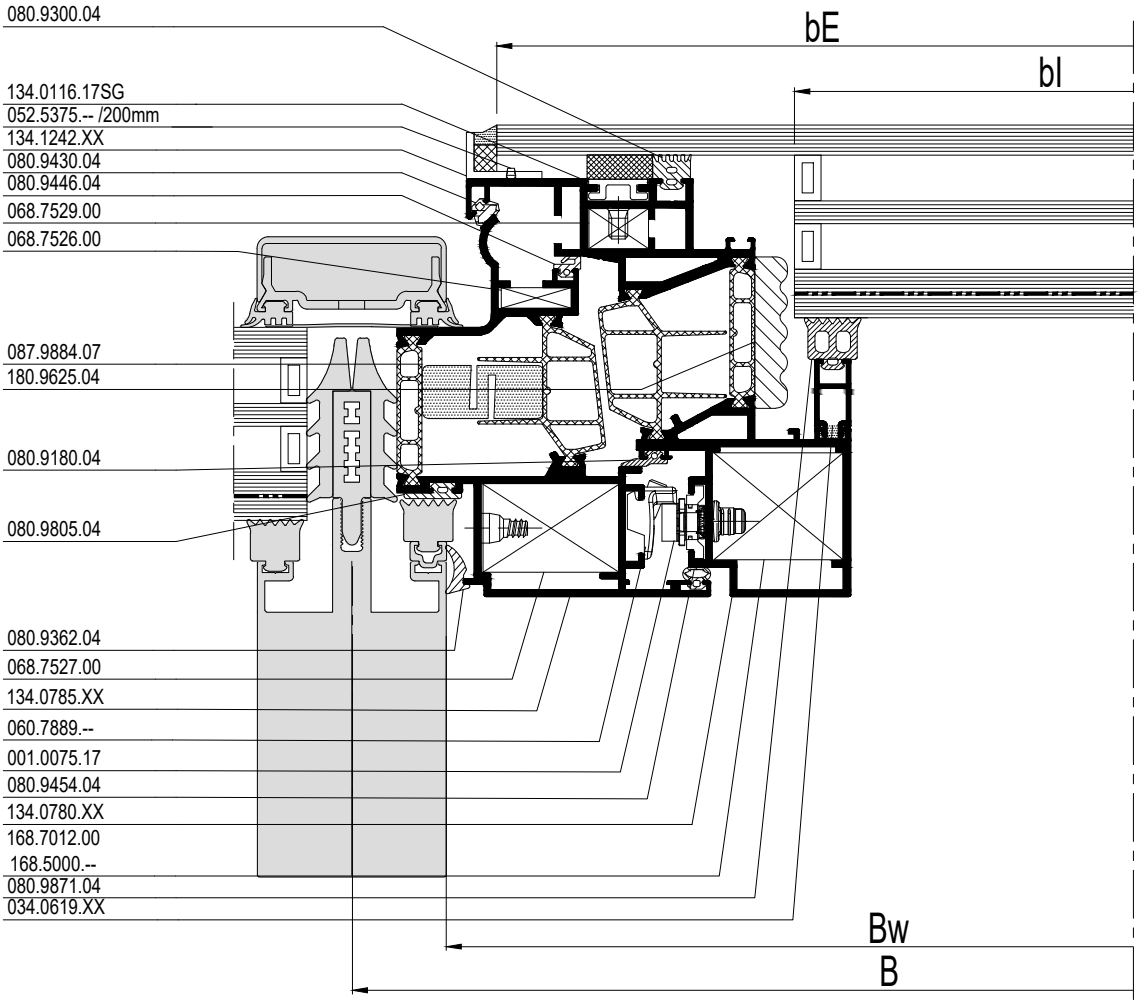
ETAG 002

schaal - échelle
scale - Maßstab
1/2

E



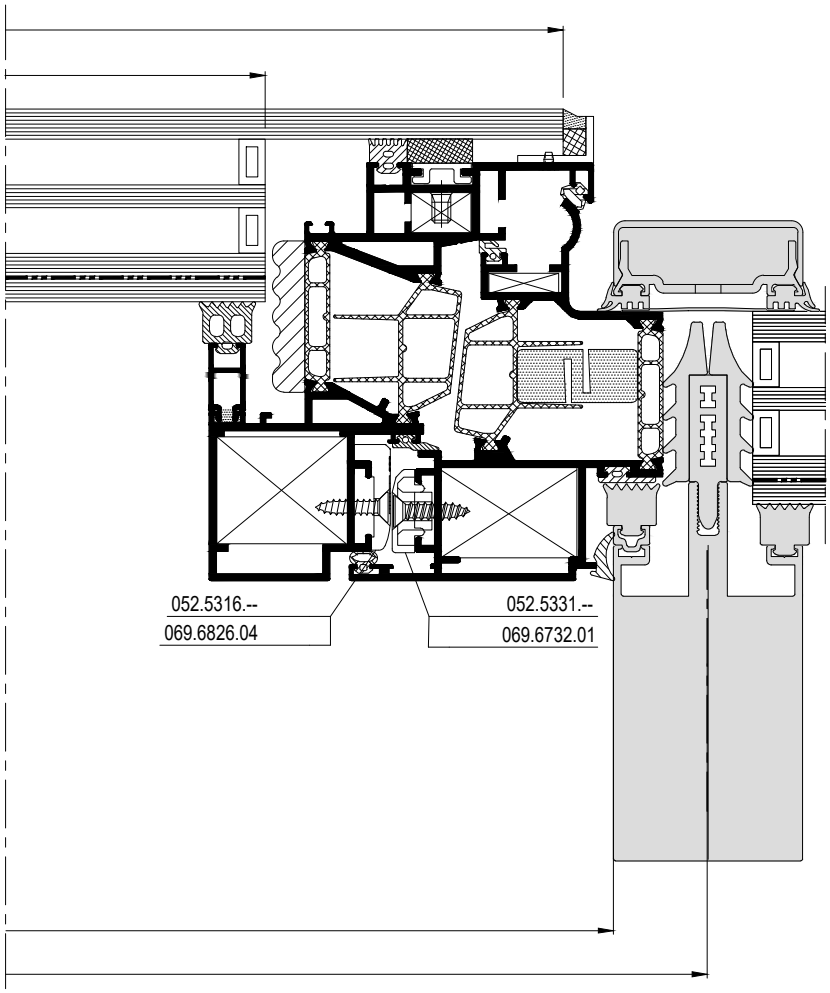
A - A



E

ETAG 002

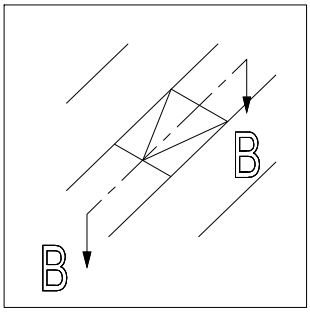
schaal - échelle
scale - Maßstab
1/2

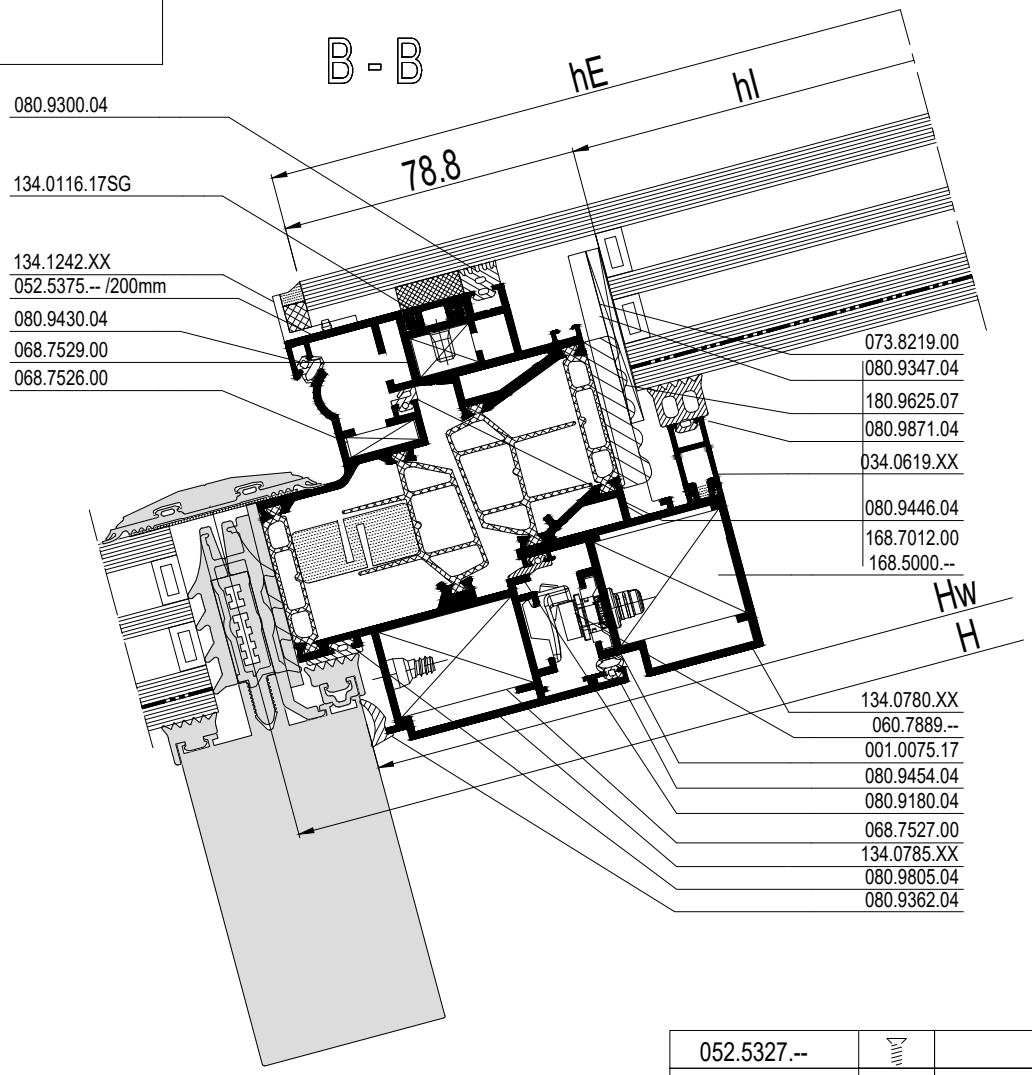


E

ETAG 002

schaal - échelle
scale - Maßstab
1/2





052.5327.--			
071.8445.17		1	
060.6826.PA		1	
057.5713.--		5	
050.5001.--		3	
050.5161.--		2	

(*) of/ou/or/oder

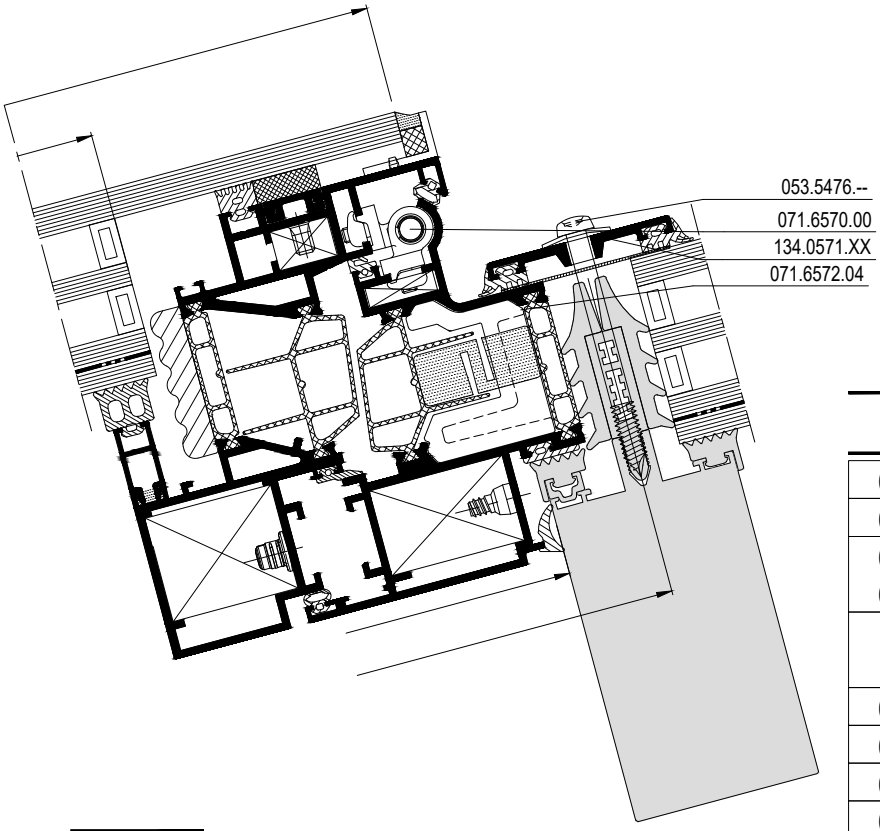
160.6999.--		1	51.G. ...
052.5311.--		2	51.G. ...
060.8914.PA		1	51.G. ...
050.5001.--		2	51.G. ...

(*) of/ou/or/oder

KEUZE MOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL ANTRIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

ETAG 002

schaal - échelle
scale - Maßstab
1/2



bI = Bw - 183.6
bE = Bw - 26
hI = Hw - 183.6
hE = Bw - 26

			#	L_m	
134.0571.XX			1	Bw-24	
134.0785.XX			2	Hw+26	
			2	Bw+26	
134.0780.XX			2	Hw-10.5	
			2	Bw-10.5	
134.1242.XX			2	Hw-10.5	
			2	Bw-10.5	
134.0116.17SG			2	Hw-74.5	
			2	Bw-74.5	
001.0075.17			-	51.F. ...	

		#	
068.7526.00		4	51.G. ...
068.7527.00		4	51.G. ...
068.7529.00		4	51.G. ...
050.5000.--		8	51.G. ...
168.7012.00		4	51.G. ...
168.5000.00		8	51.G. ...
080.9362.04		2x(Bw+Hw)-60	51.G. ...
080.9446.04		2x(Bw+Hw)-325	51.G. ...
080.9430.04		2x(Bw+Hw)-80	51.G. ...
080.9454.04		2x(Bw+Hw)-80	51.G. ...
080.9180.04		2x(Bw+Hw)-460	51.G. ...
080.9300.04		2x(Bw+Hw)	51.G. ...
073.8218.00		2	51.G. ...
071.6570.XX		51.F. ...	51.G. ...
071.6572.04		51.F. ...	51.G. ...
060.7872.--		2	51.G. ...
052.5375.--		51.F. ...	51.G. ...
180.9625.04		2x(Bw+Hw)-22	51.G. ...
087.9884.07		2x(Bw+Hw)-22	51.G. ...
069.6732.01		51.F. ...	51.G. ...
071.6573.04		51.F. ...	51.G. ...
069.6826.04		51.F. ...	51.G. ...
052.5331.--		51.F. ...	51.G. ...
052.5316.--		51.F. ...	51.G. ...

060.7889.--		51.F. ...	51.G. ...

(*) of/ou/or/oder

060.6242.--		51.F. ...	51.G. ...
060.8346.--		51.F. ...	51.G. ...

≥ 50mm
ZIE BEGLAZINGSTABEL
VOIR TABLEAU DE VITRAGE
SEE GLAZING TABLE
ZIE BEGLAZINGSTABEL

034.0619.XX	2	Hw-194.4	
	2	Bw-194.4	

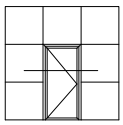
080.9810.SY		2x(Bw+Hw)-870	51.G. ...

ETAG 002

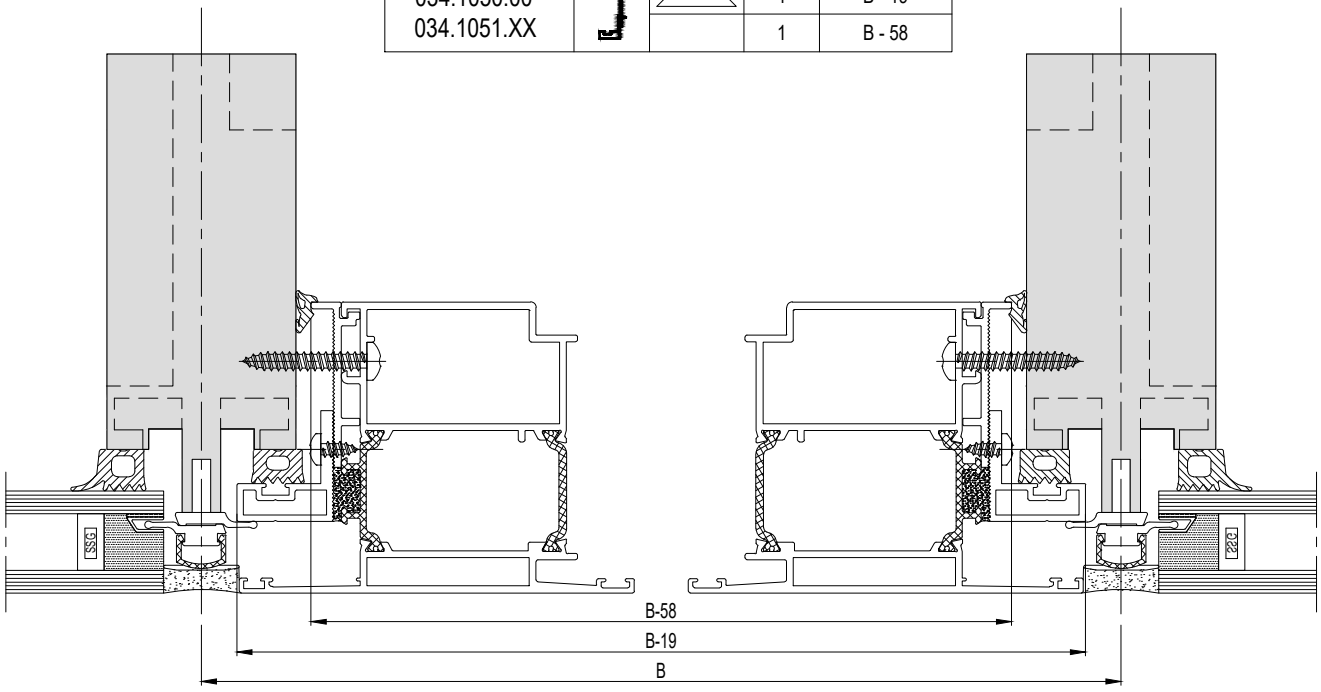
schaal - échelle
scale - Maßstab
1/2

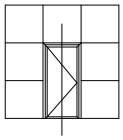
E

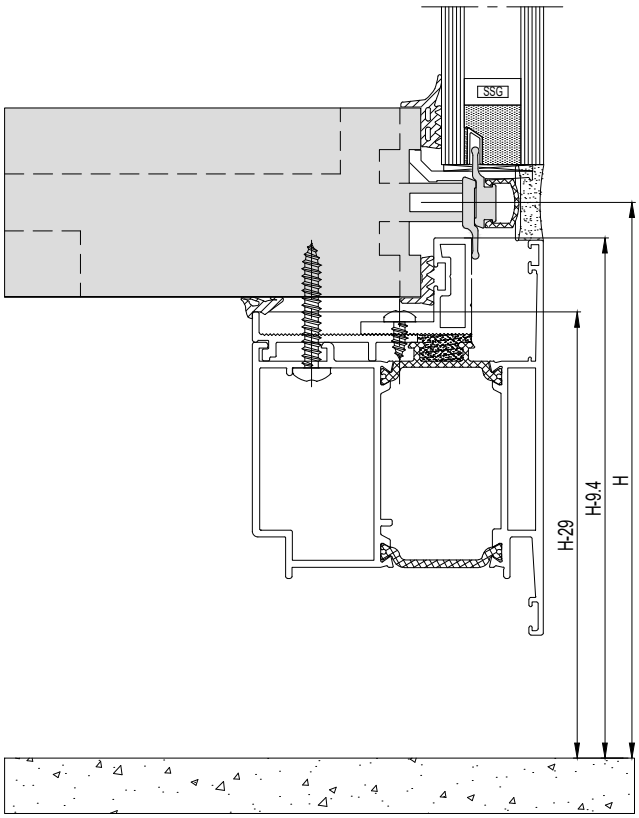
GEVEL VARIANTEN-SC " MASTERLINE DEURAANSLUITING "
FACADE VARIANTES-SC " MASTERLINE RACCORDEMENT DE PORTE "
FACADE VARIANTS-SC " MASTERLINE DOOR CONNECTION "
FASSADE VARIANTE-SC " MASTERLINE TUERANSCHLUSS "



		#	Lm
034.1050.00 034.1051.XX		2	H - 9.4
		2	H - 29
034.1050.00 034.1051.XX		1	B - 19
		1	B - 58







ETAG 002

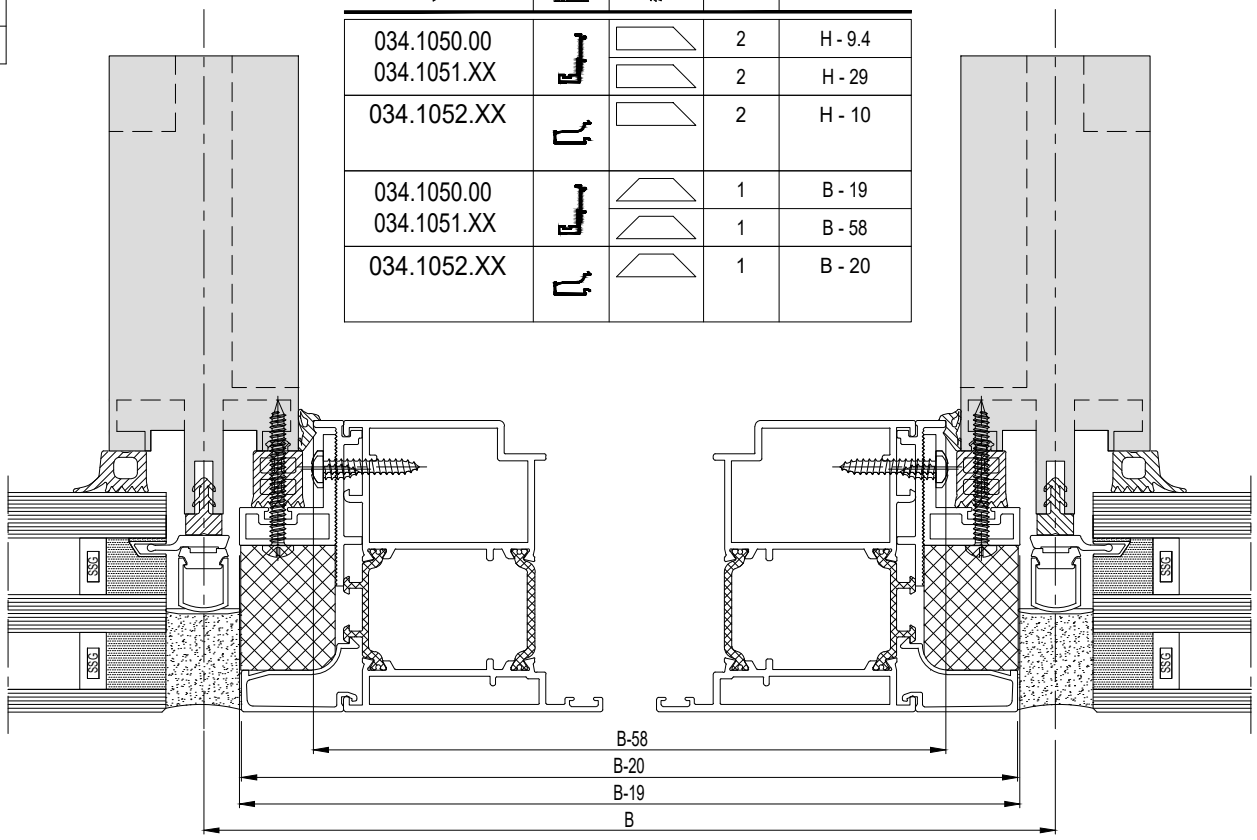
schaal - échelle
scale - Maßstab
1/2

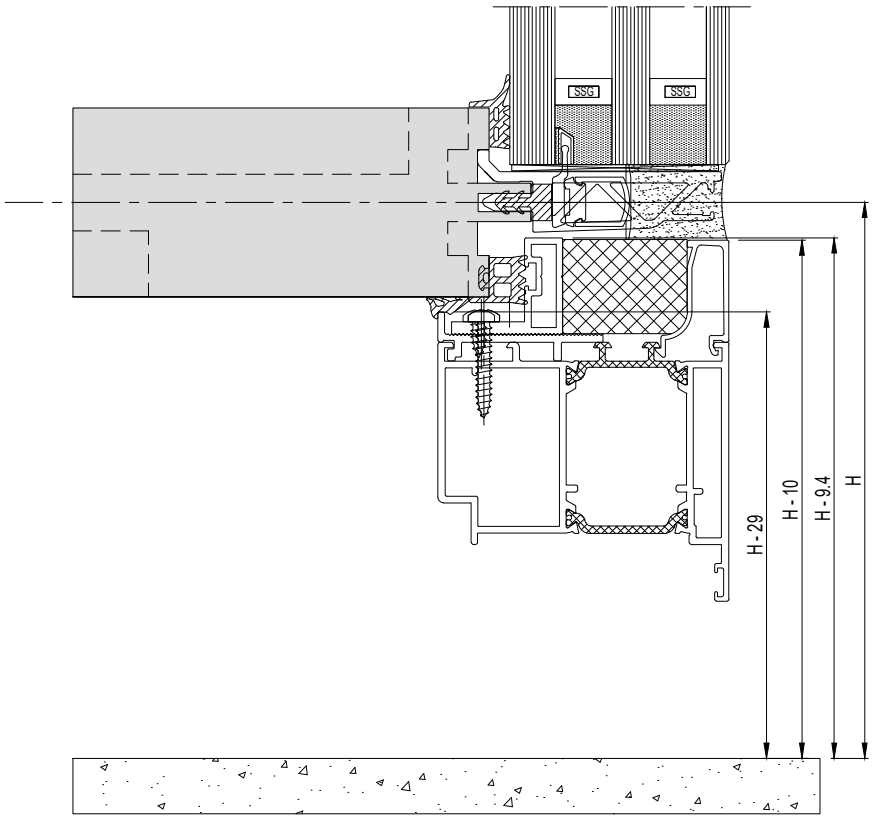
E

GEVEL VARIANTEN-SC " MASTERLINE DEURAANSLUITING "
FACADE VARIANTES-SC " MASTERLINE RACCORDEMENT DE PORTE "
FACADE VARIANTS-SC " MASTERLINE DOOR CONNECTION "
FASSADE VARIANTE-SC " MASTERLINE TUERANSCHLUSS "

Reynaers Aluminium

			#	Lm
034.1050.00 034.1051.XX			2	H - 9.4
			2	H - 29
034.1052.XX			2	H - 10
034.1050.00 034.1051.XX			1	B - 19
			1	B - 58
034.1052.XX			1	B - 20



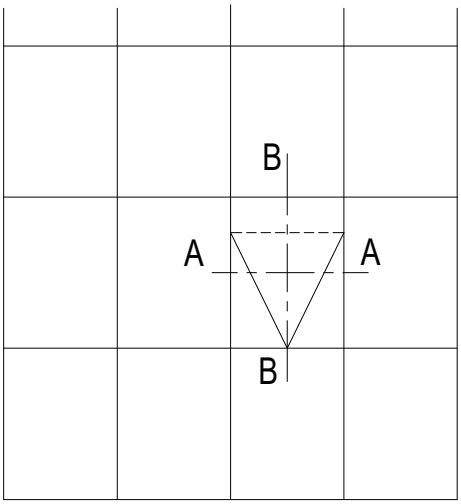


ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW SG - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. THW SG - EF 7-GB
OUTWARD OPENING WINDOW THW SG - EF 7-GB
AUSSEN OEFF. ELEM. THW SG - EF 7-GB

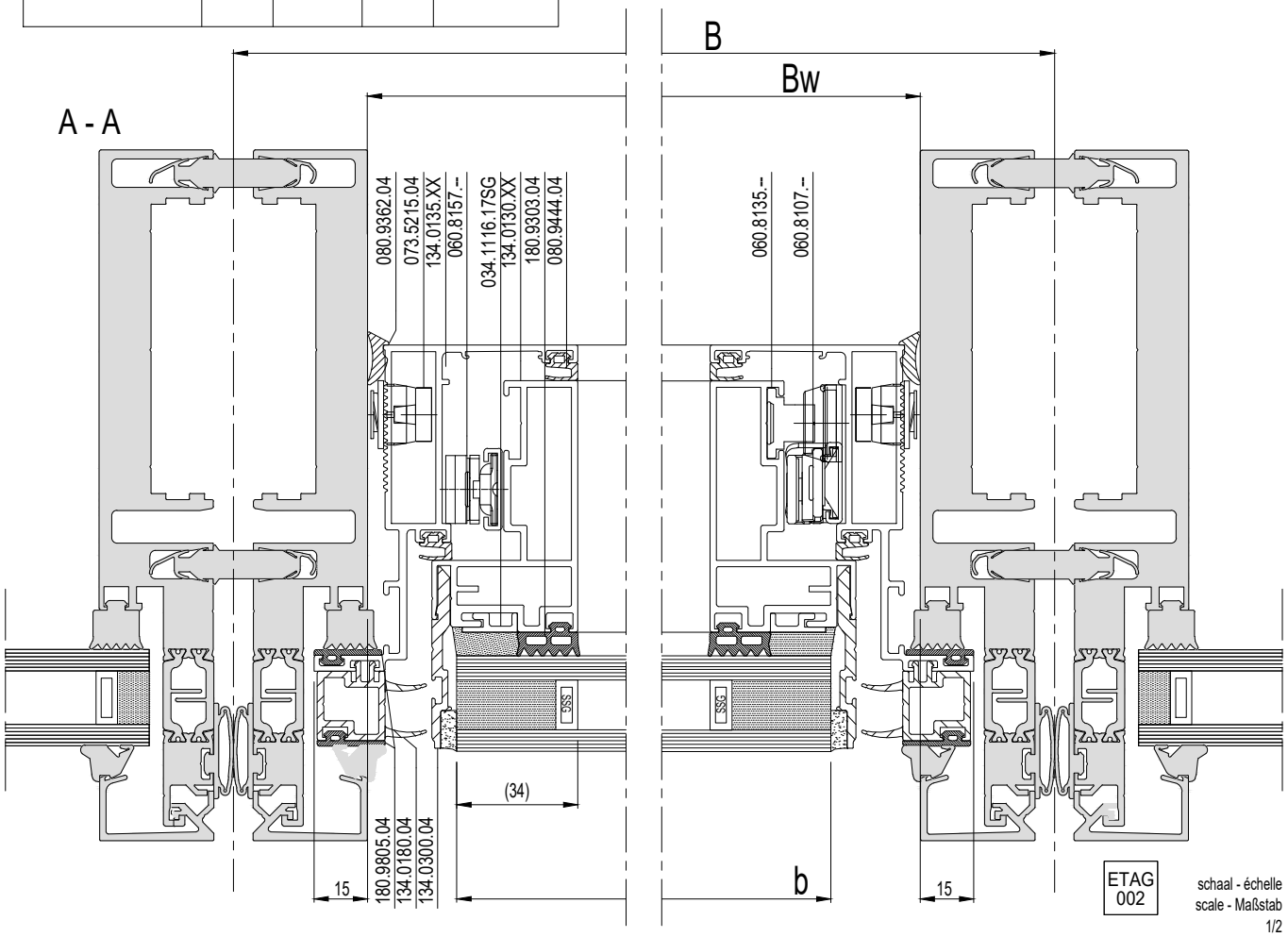


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		2x(Hw+Bw+60)+1%
080.9362.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 30
			2	Hw + 30
134.0130.XX 034.1116.17			2	Bw - 36
			2	Hw - 36
134.0180.04**			2	Bw + 28
			2	Hw + 28
134.0300.04**			2	Bw - 36
			2	Hw - 36
001.0095.17			-	15M.F. ...

b = Bw - 50
h = Hw - 50



BUITENDRAAIEND ELEM THW SG - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. THW SG - EF 7-GB
OUTWARD OPENING WINDOW THW SG - EF 7-GB
AUSSEN OEFF. ELEM. THW SG - EF 7-GB

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

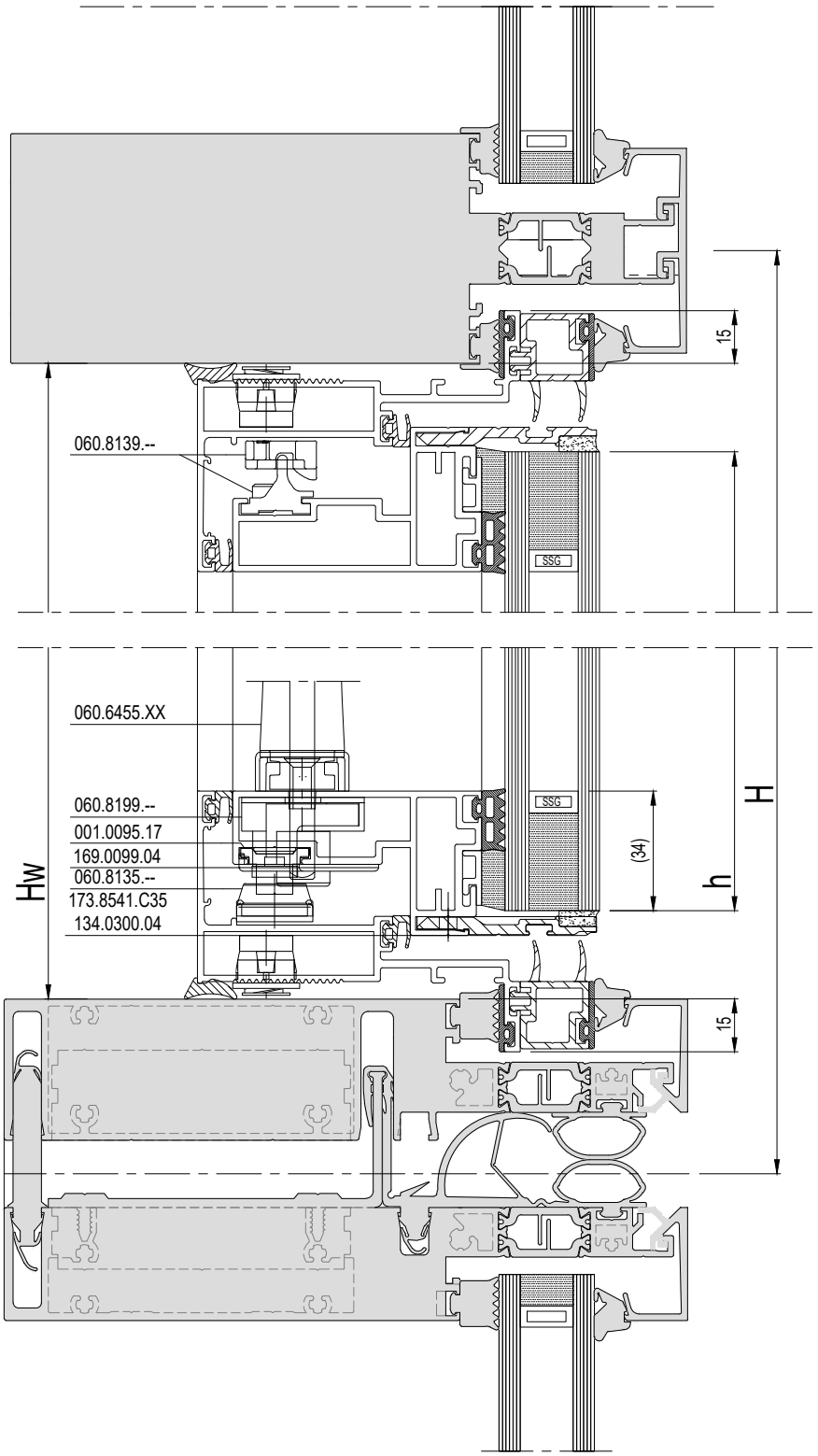
		#
060.6455.XX**		1
060.8199.XX**		1
050.5011.--		2
169.0099.04**		1
052.5312.--		2

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5714.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

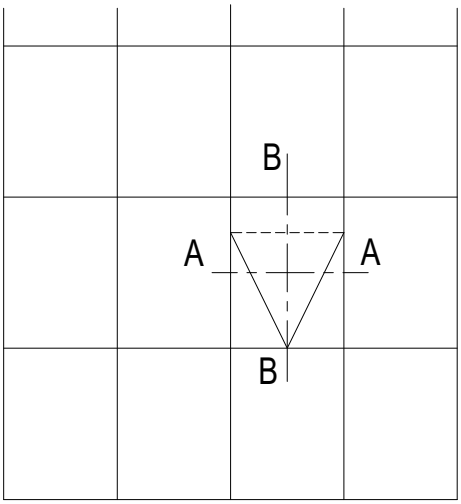
B - B



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW GB - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. THW GB - EF 7-GB
OUTWARD OPENING WINDOW THW GB - EF 7-GB
AUSSEN OEFF. ELEM. THW GB - EF 7-GB

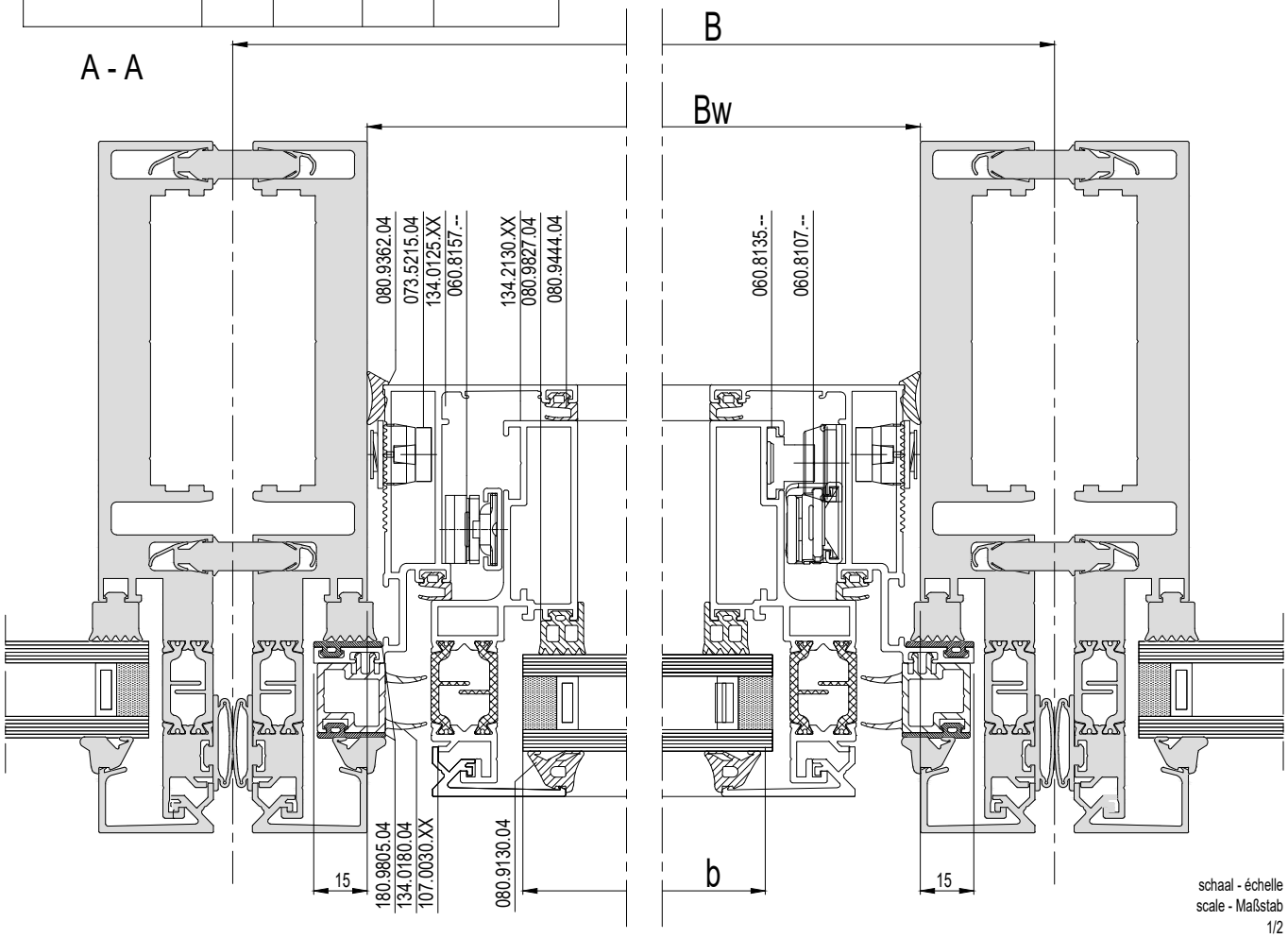


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
068.7323.--		4
073.6333.--		4
069.6560.04		4
073.8400.00**		6
151.5279.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9362.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
080.9827.04**		2x(Hw+Bw-91)+1%
080.9130.04**		2x(Hw+Bw-75)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0125.XX			2	Bw + 30
			2	Hw + 30
134.2130.XX			2	Bw - 36
			2	Hw - 36
134.0180.04**			2	Bw + 28
			2	Hw + 28
107.0030.XX			2	Bw - 36.5
			2	Hw - 36.5
001.0095.17			-	15M.F. ...

b = Bw - 87
h = Hw - 87



schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW GB - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. THW GB - EF 7-GB
OUTWARD OPENING WINDOW THW GB - EF 7-GB
AUSSEN OEFF. ELEM. THW GB - EF 7-GB

Reynaers Aluminium

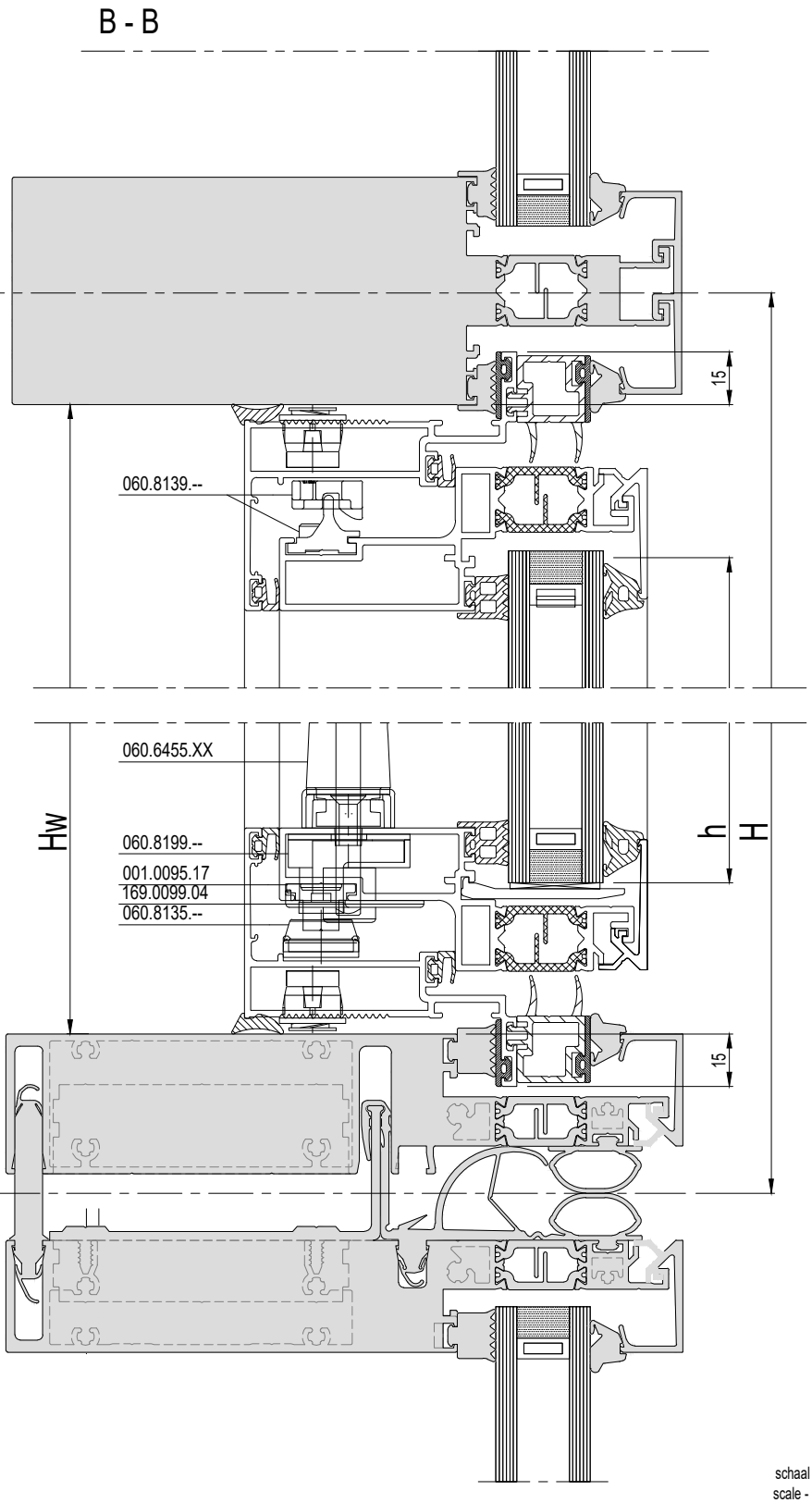
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		2
052.5332.--		6
060.8139.--**		1
052.5310.--		1
052.5311.--		2

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5714.--		6
060.8100.--		1

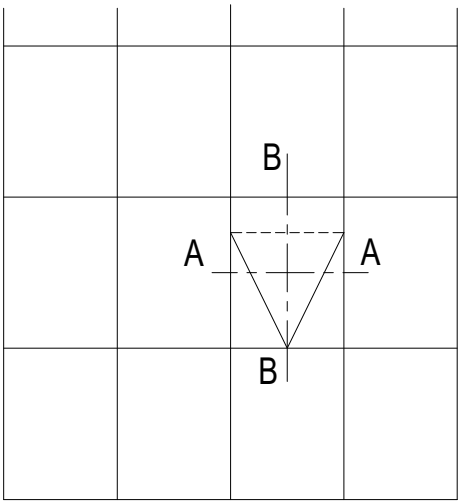
		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2



schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW SG - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. THW SG - EF 7-SG
OUTWARD OPENING WINDOW THW SG - EF 7-SG
AUSSEN OEFF. ELEM. THW SG - EF 7-SG



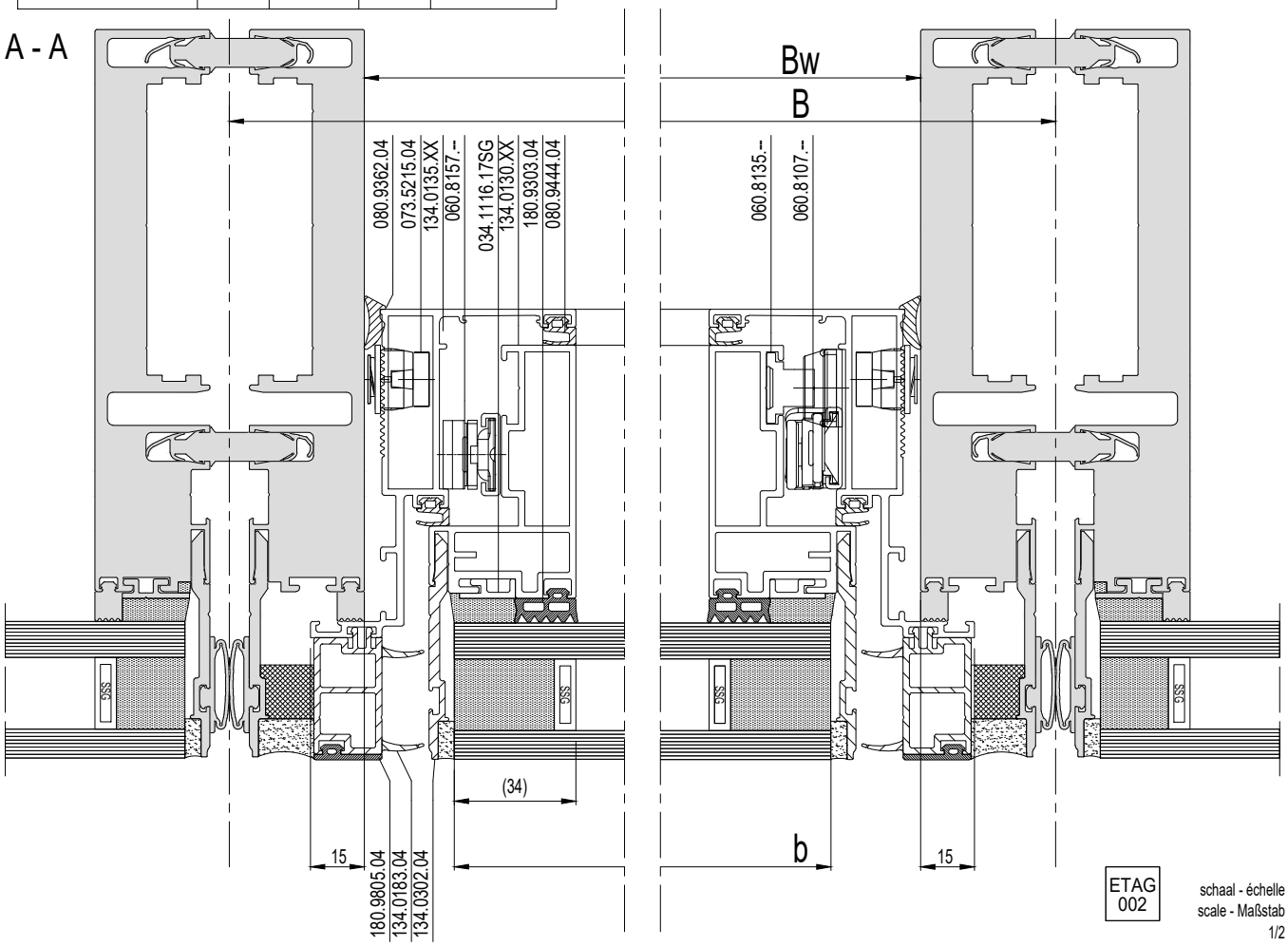
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
069.6560.04		4
173.8543.C35**		2
052.5300.--		8
180.9805.04**		2x(Hw+Bw+60)+1%
080.9362.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-81)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	L_m
134.0135.XX			2	Bw + 30
			2	Hw + 30
134.0130.XX 034.1116.17			2	Bw - 36
			2	Hw - 36
134.0183.04**			2	Bw + 28
			2	Hw + 28
134.0302.04**			2	Bw - 36
			2	Hw - 36
001.0095.17			-	15M.F. ...

b = Bw - 50
h = Hw - 50

A - A



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SG - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. THW SG - EF 7-SG
OUTWARD OPENING WINDOW THW SG - EF 7-SG
AUSSEN OEFF. ELEM. THW SG - EF 7-SG

Reynaers Aluminium

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

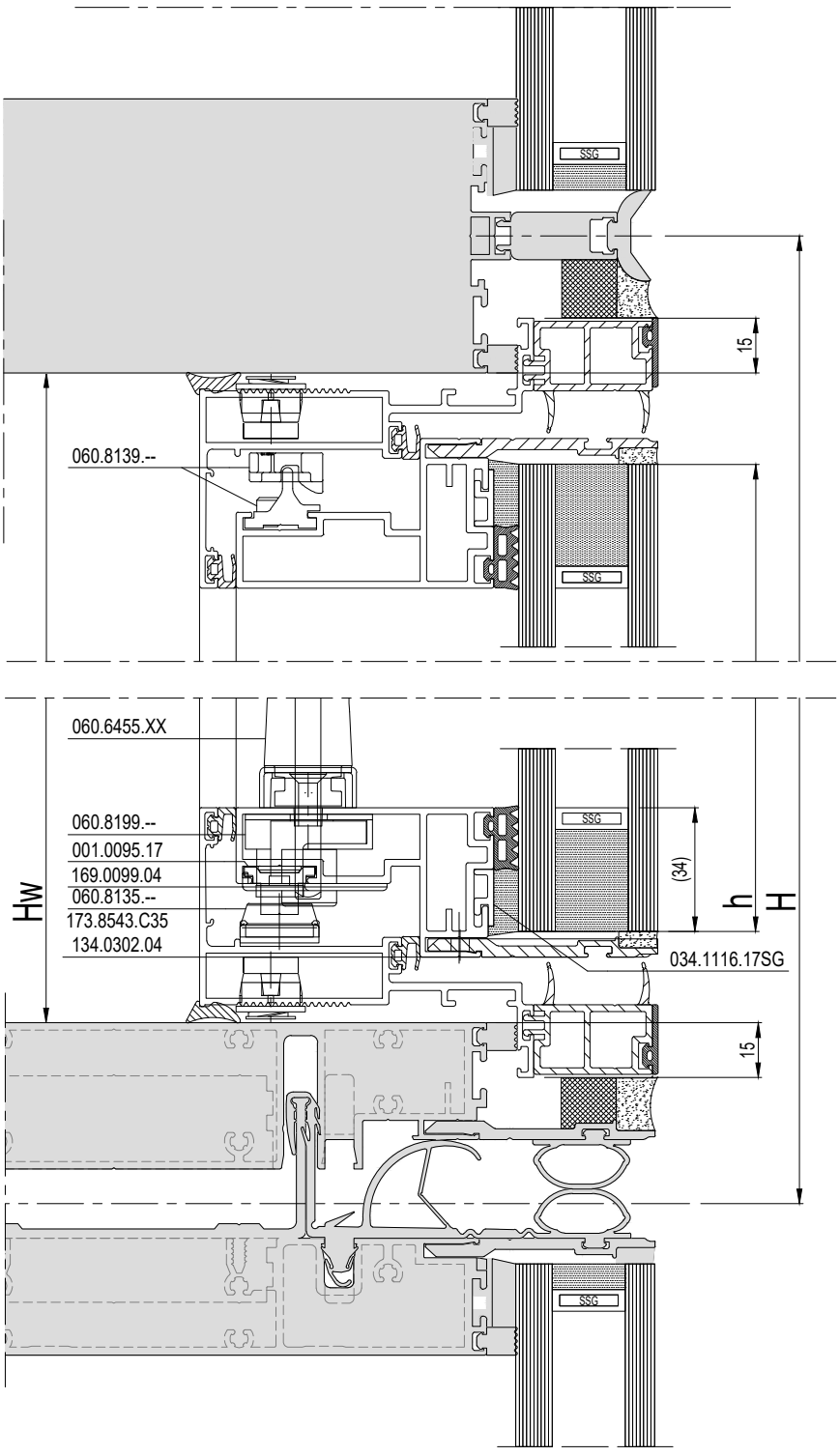
	#
060.6455.XX**	2
060.8199.XX**	2
050.5011.--	4
169.0099.04**	2
052.5312.--	4

	#
060.8131.--**	1
052.5332.--	12
052.5310.--	1
052.5311.--	2
060.8135.--**	2
052.5332.--	6
060.8139.--**	1
052.5310.--	1
052.5311.--	2

	#
060.8107.--**	1
050.5119.--	10
052.5330.--	10
057.5714.--	6
060.8100.--	1

	#
060.8157.--**	1
052.5330.--	6
050.5000.--	2
050.5119.--	2

B - B

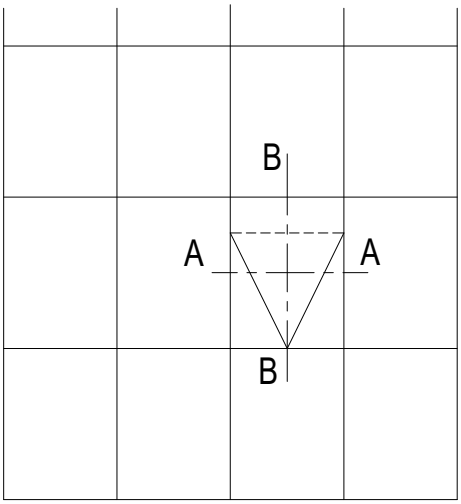


ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM THW SGS - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. THW SGS - EF 7-SG
OUTWARD OPENING WINDOW THW SGS - EF 7-SG
AUSSEN OEFF. ELEM. THW SGS - EF 7-SG



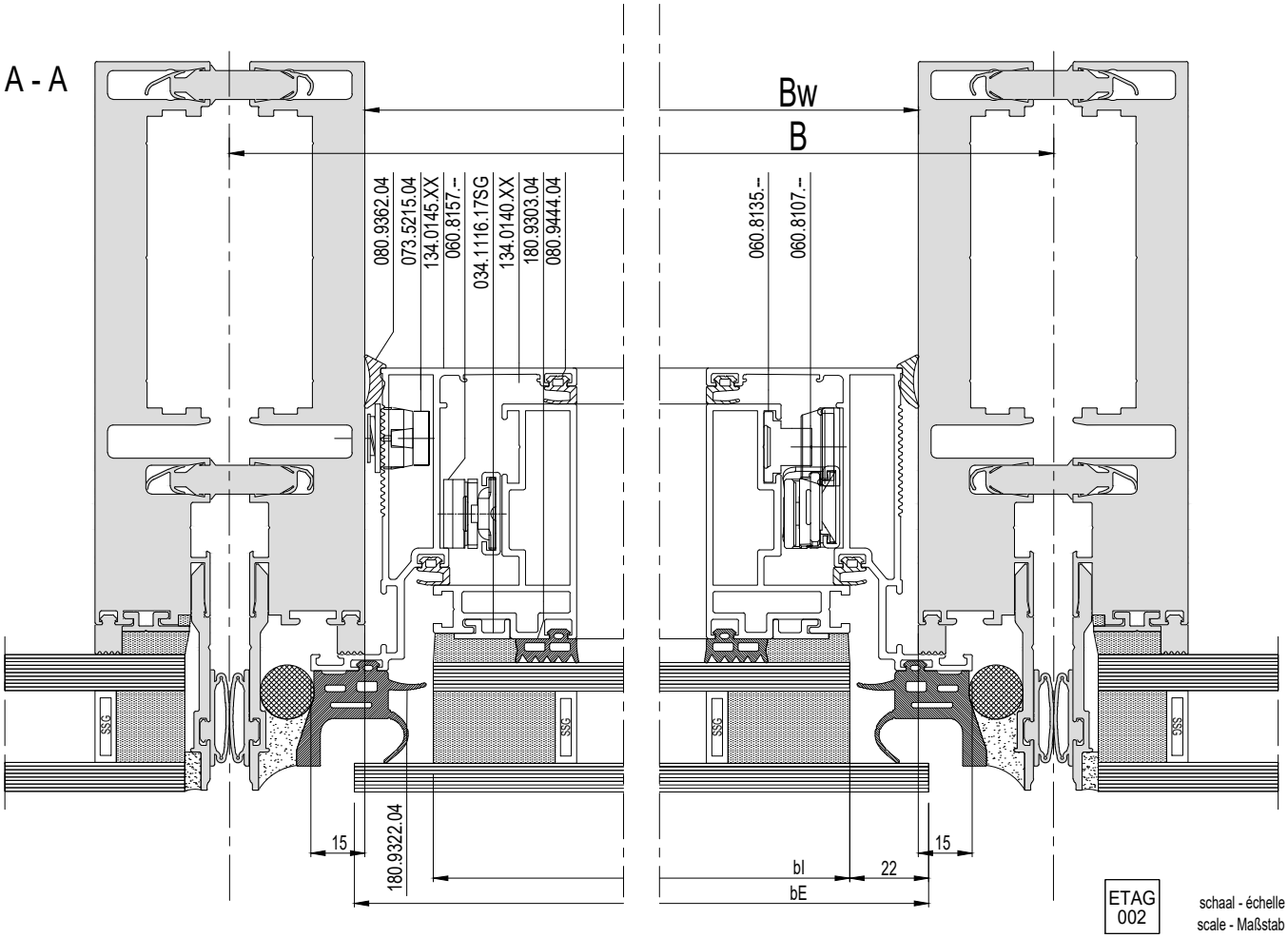
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
060.8721.00		4
173.8513.C35**		2
051.5281.--		4
180.9322.04**		2x(Hw+Bw+80)+0.75%
080.9362.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-82)+1%
073.5215.00		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		24

			#	Lm
134.0145.XX			2	Bw + 30
			2	Hw + 30
134.0140.XX			2	Bw - 38
034.1116.17			2	Hw - 38
001.0095.17			-	15M.F. ...

bl = Bw - 38
bE = Bw + 6
hl = Hw - 38
hE = Hw + 6

A - A



ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM THW SGS - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. THW SGS - EF 7-SG
OUTWARD OPENING WINDOW THW SGS - EF 7-SG
AUSSEN OEFF. ELEM. THW SGS - EF 7-SG

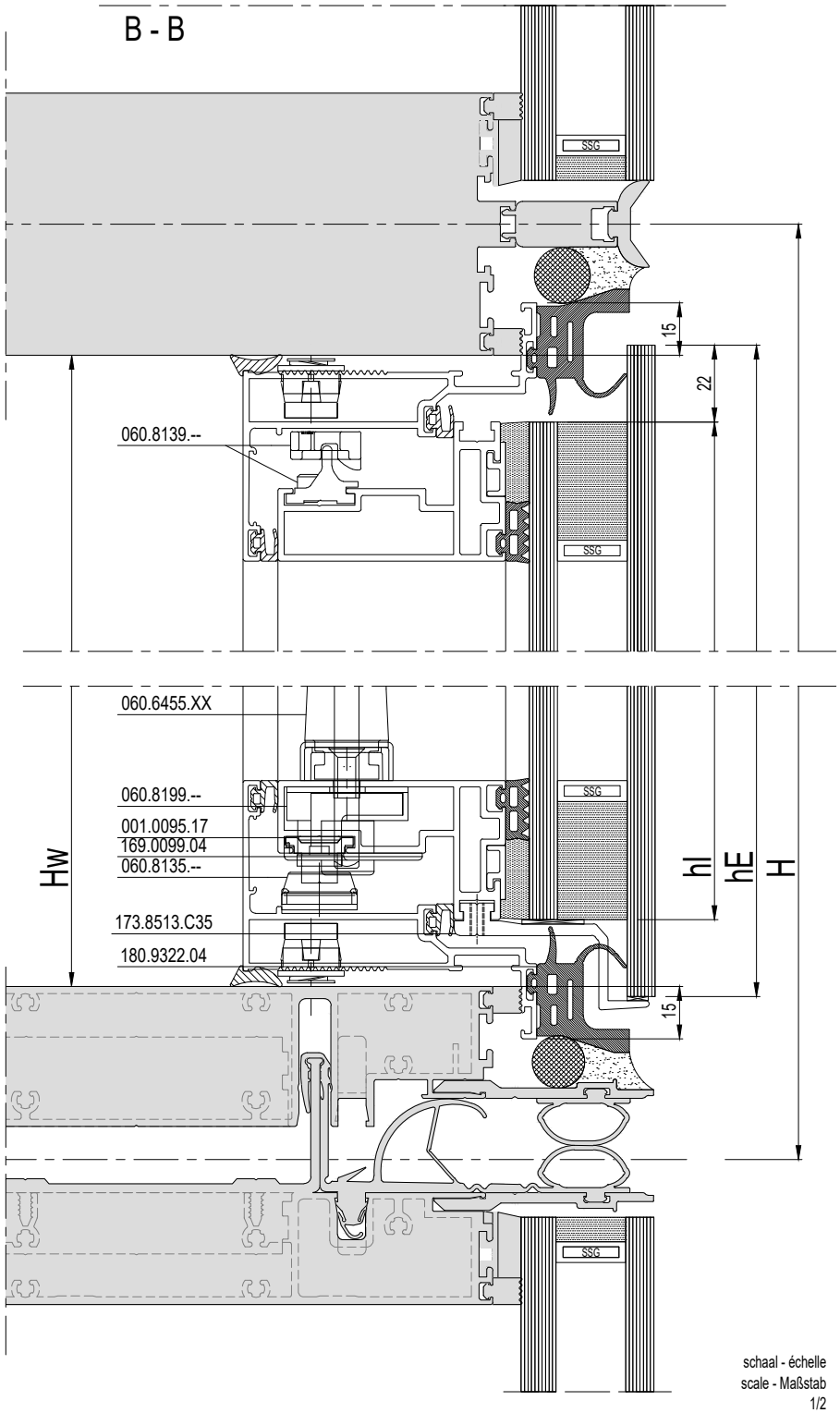
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
060.8135.--**		2
052.5332.--		6
060.8139.--**		2
052.5310.--		2
052.5311.--		4

		#
060.8107.--**		1
050.5119.--		10
052.5330.--		10
057.5714.--		6
060.8100.--		1

		#
060.8157.--**		1
052.5330.--		6
050.5000.--		2
050.5119.--		2

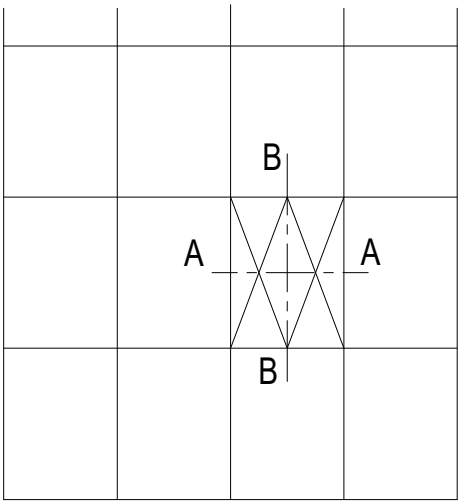


ETAG
002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM POW SG - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. POW SG - EF 7-GB
OUTWARD OPENING WINDOW POW SG - EF 7-GB
AUSSEN OEFF. ELEM. POW SG - EF 7-GB

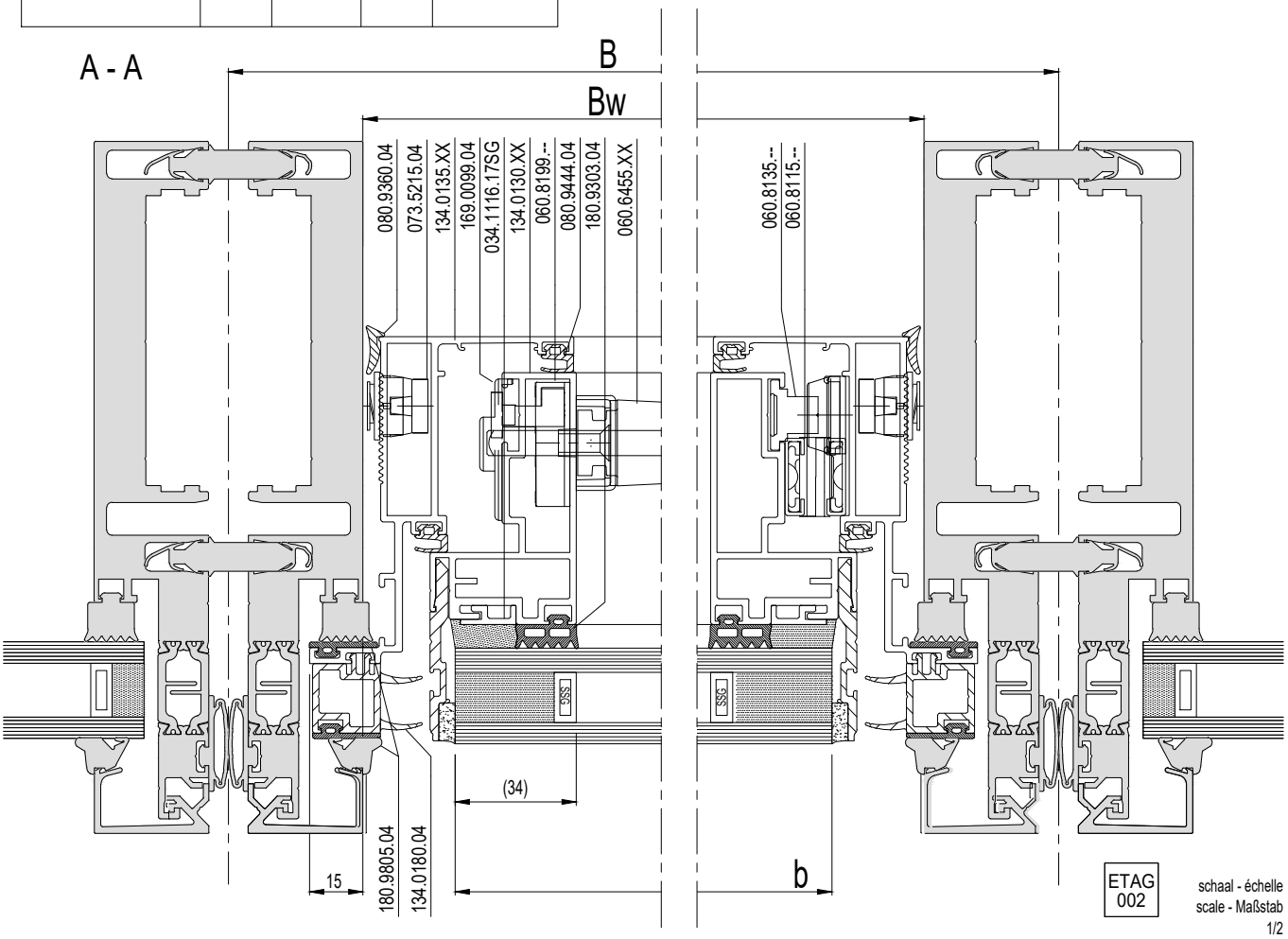


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--		4
068.7563.00		4
069.6560.04**		4
173.8541.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9360.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Bw+Hw-81)*1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 30
			2	Hw + 30
134.0130.XX 034.1116.17			2	Bw - 37.5
			2	Hw - 37.5
134.0180.04**			2	Bw + 32
			2	Hw + 32
134.0300.04**			2	Bw - 37.5
			2	Hw - 37.5
001.0095.17			-	15M.F. ...

b = Bw - 49.5
h = Hw - 49.5



BUITENDRAAIEND ELEM POW SG - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. POW SG - EF 7-GB
OUTWARD OPENING WINDOW POW SG - EF 7-GB
AUSSEN OEFF. ELEM. POW SG - EF 7-GB

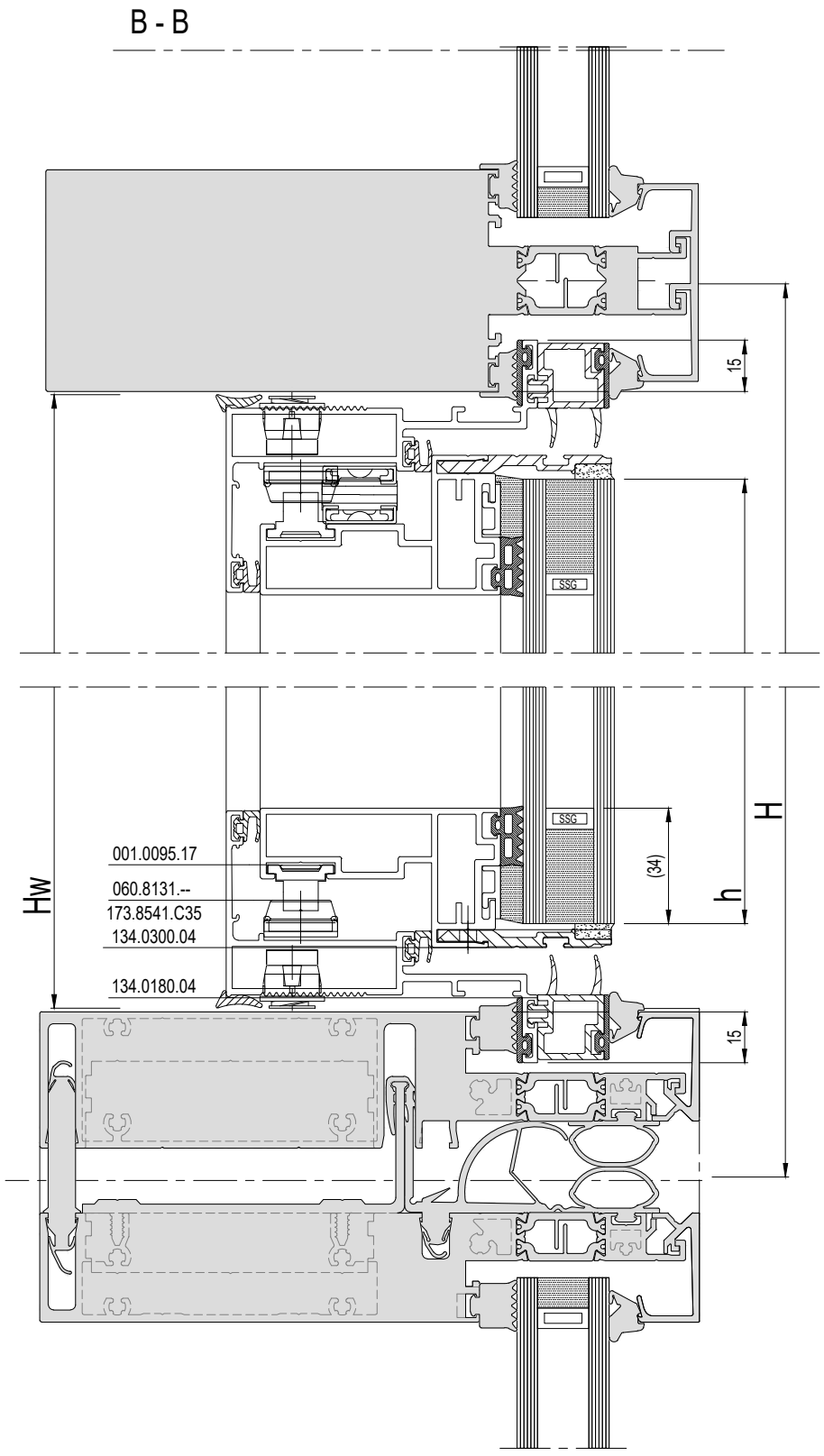
Reynaers Aluminium

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5119.--		24
057.5713.--		24
052.5330.--		24



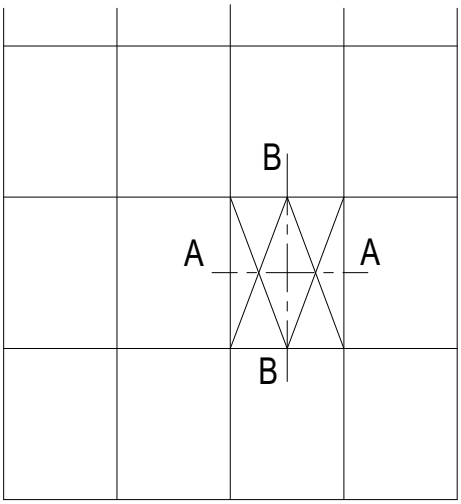
ETAG 002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM POW GB - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. POW GB - EF 7-GB
OUTWARD OPENING WINDOW POW GB - EF 7-GB
AUSSEN OEFF. ELEM. POW GB - EF 7-GB

Reynaers Aluminium

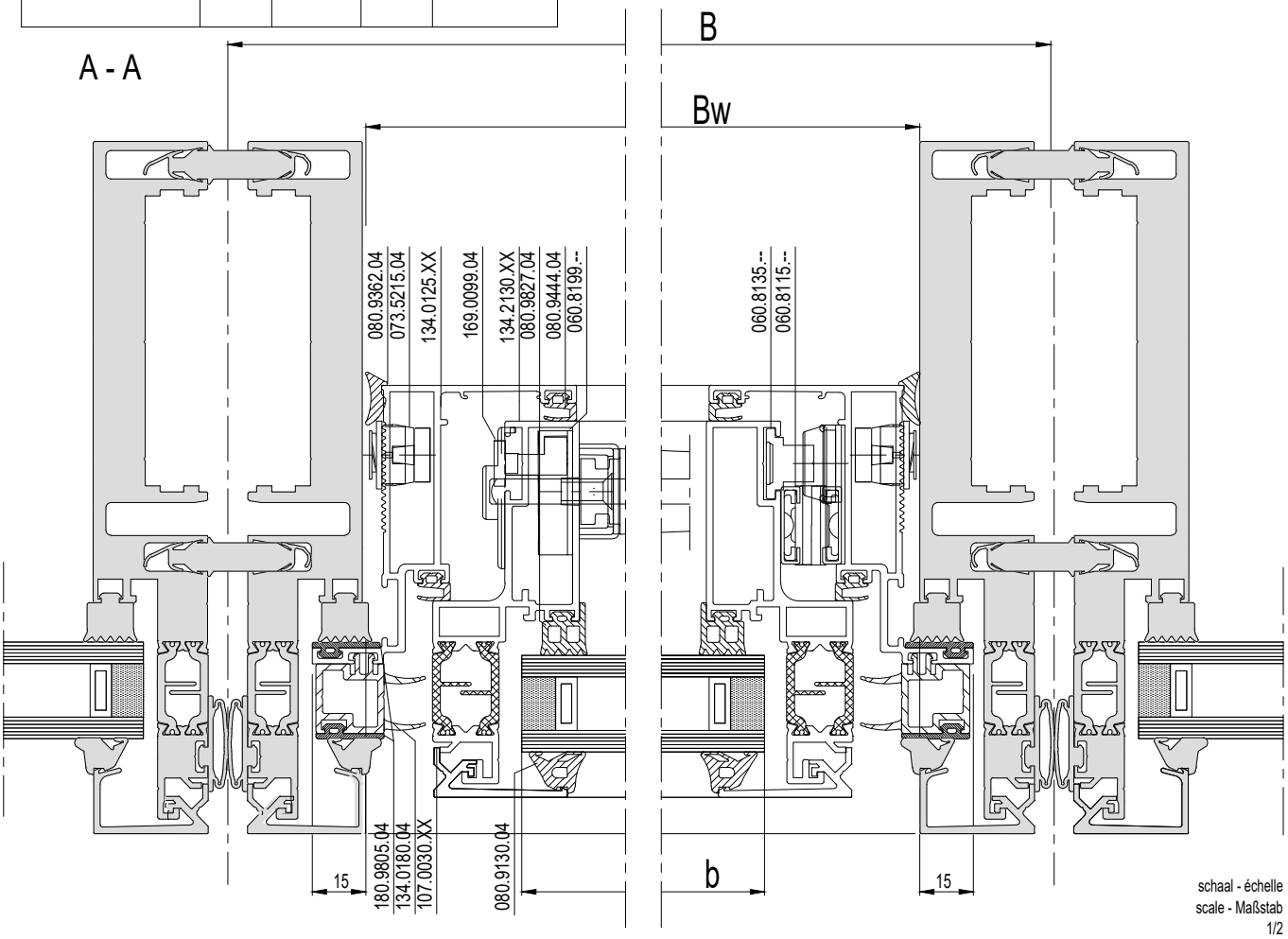


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
068.7323.--		4
073.6333.--		4
069.6560.04		4
073.8400.00**		6
151.5279.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9362.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
080.9827.04**		2x(Hw+Bw-92)+1%
080.9130.04**		2x(Hw+Bw-76)+1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0125.XX			2	Bw + 30
			2	Hw + 30
134.2130.XX			2	Bw - 37.5
			2	Hw - 37.5
134.0180.04**			2	Bw + 28
			2	Hw + 28
107.0030.XX			2	Bw - 38
			2	Hw - 38
001.0095.17			-	15M.F. ...

b = Bw - 88.5
h = Hw - 88.5



schaal - échelle
scale - Maßstab
1/2

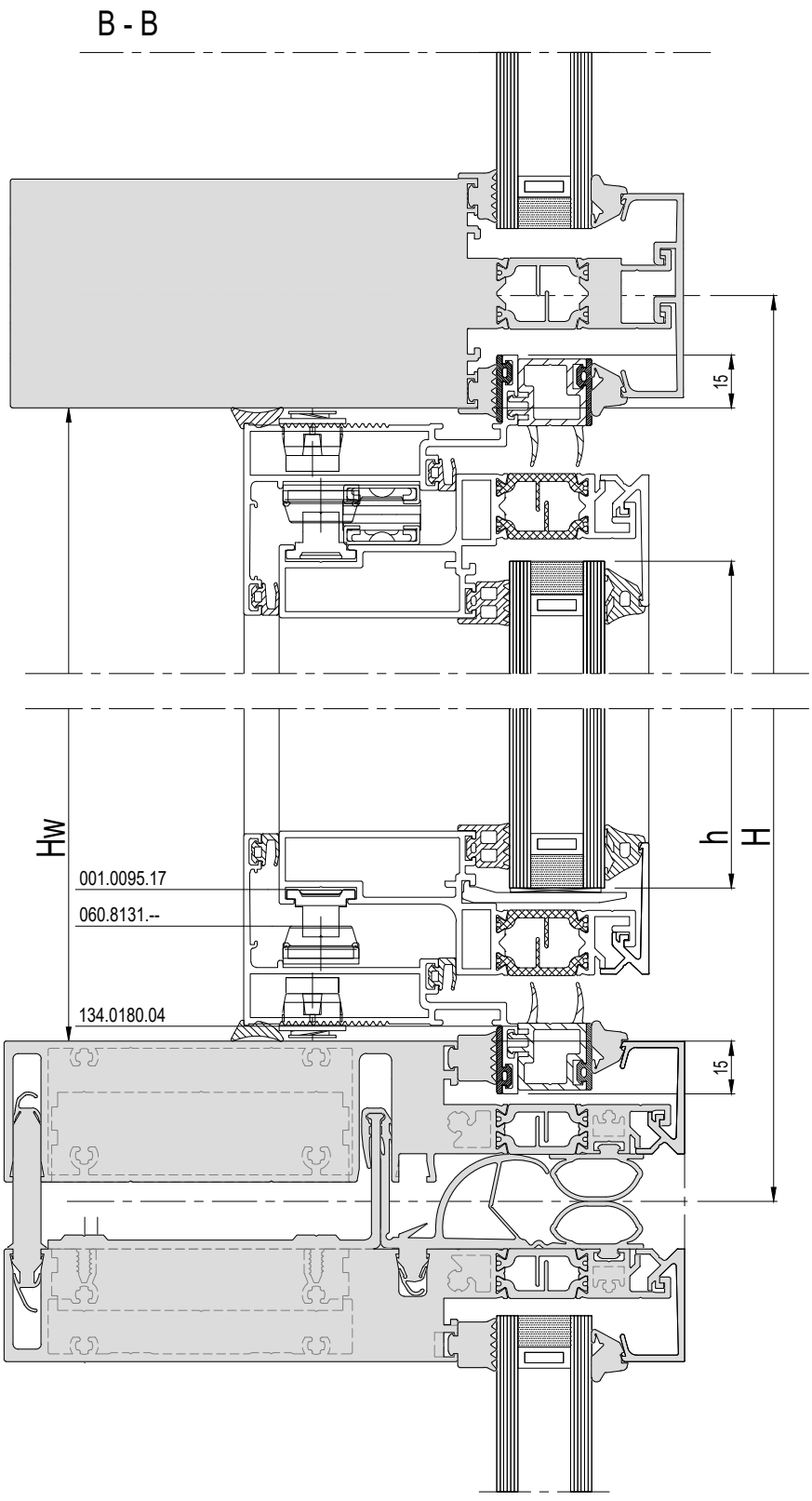
BUITENDRAAIEND ELEM POW GB - EF 7-GB
ELEM.OUVERTURE VERS L'EXT. POW GB - EF 7-GB
OUTWARD OPENING WINDOW POW GB - EF 7-GB
AUSSEN OEFF. ELEM. POW GB - EF 7-GB

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

	#
060.6455.XX**	2
060.8199.XX**	2
050.5011.--	4
169.0099.04**	2
052.5312.--	4

	#
060.8131.--**	1
052.5332.--	12
052.5310.--	1
052.5311.--	2
060.8135.--**	6
052.5332.--	18

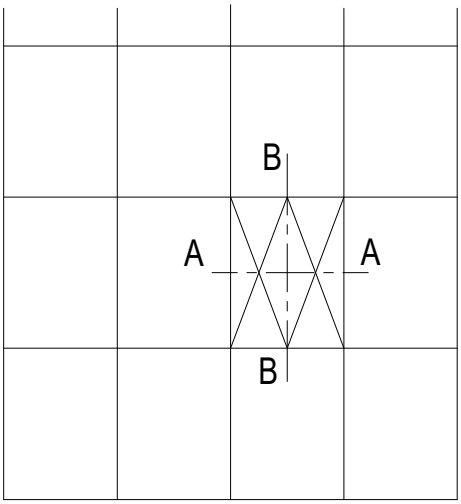
	#
060.8115.--**	3
050.5119.--	24
057.5713.--	24
052.5330.--	24



schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM POW SG - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. POW SG - EF 7-SG
OUTWARD OPENING WINDOW POW SG - EF 7-SG
AUSSEN OEFF. ELEM. POW SG - EF 7-SG

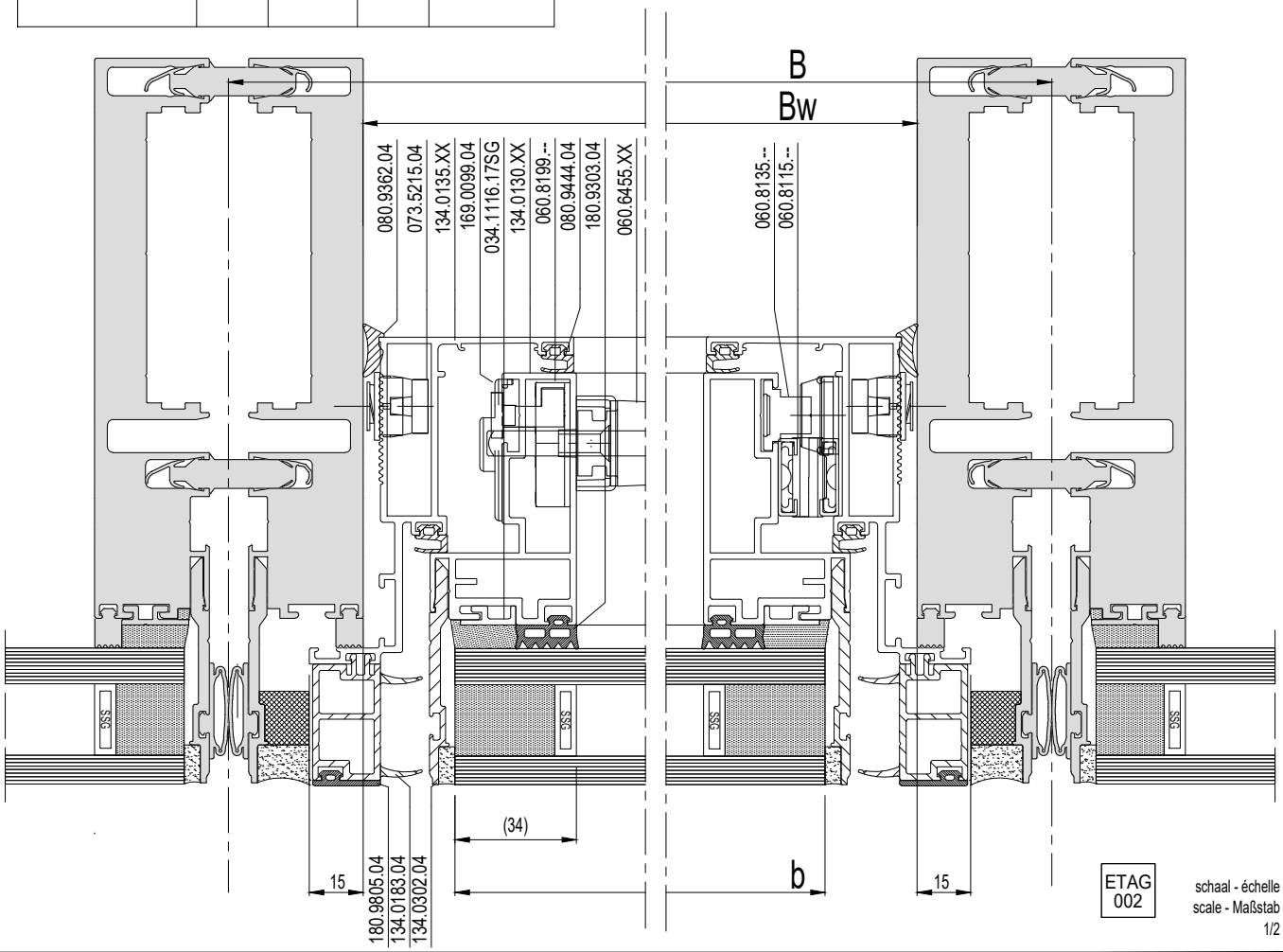


Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
068.7303.00		8
060.8746.--		4
068.7563.00		4
069.6560.04**		4
173.8543.C35**		2
052.5300.--		8
180.9805.04**		4x(Hw+Bw+60)+1%
080.9362.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Bw+Hw-81)*1%
073.5215.04		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

			#	Lm
134.0135.XX			2	Bw + 30
			2	Hw + 30
134.0130.XX 034.1116.17			2	Bw - 37.5
			2	Hw - 37.5
134.0180.04**			2	Bw + 28
			2	Hw + 28
134.0300.04**			2	Bw - 37.5
			2	Hw - 37.5
001.0095.17			-	15M.F. ...

b = Bw - 51.5
h = Hw - 51.5



BUITENDRAAIEND ELEM POW SG - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. POW SG - EF 7-SG
OUTWARD OPENING WINDOW POW SG - EF 7-SG
AUSSEN OEFF. ELEM. POW SG - EF 7-SG

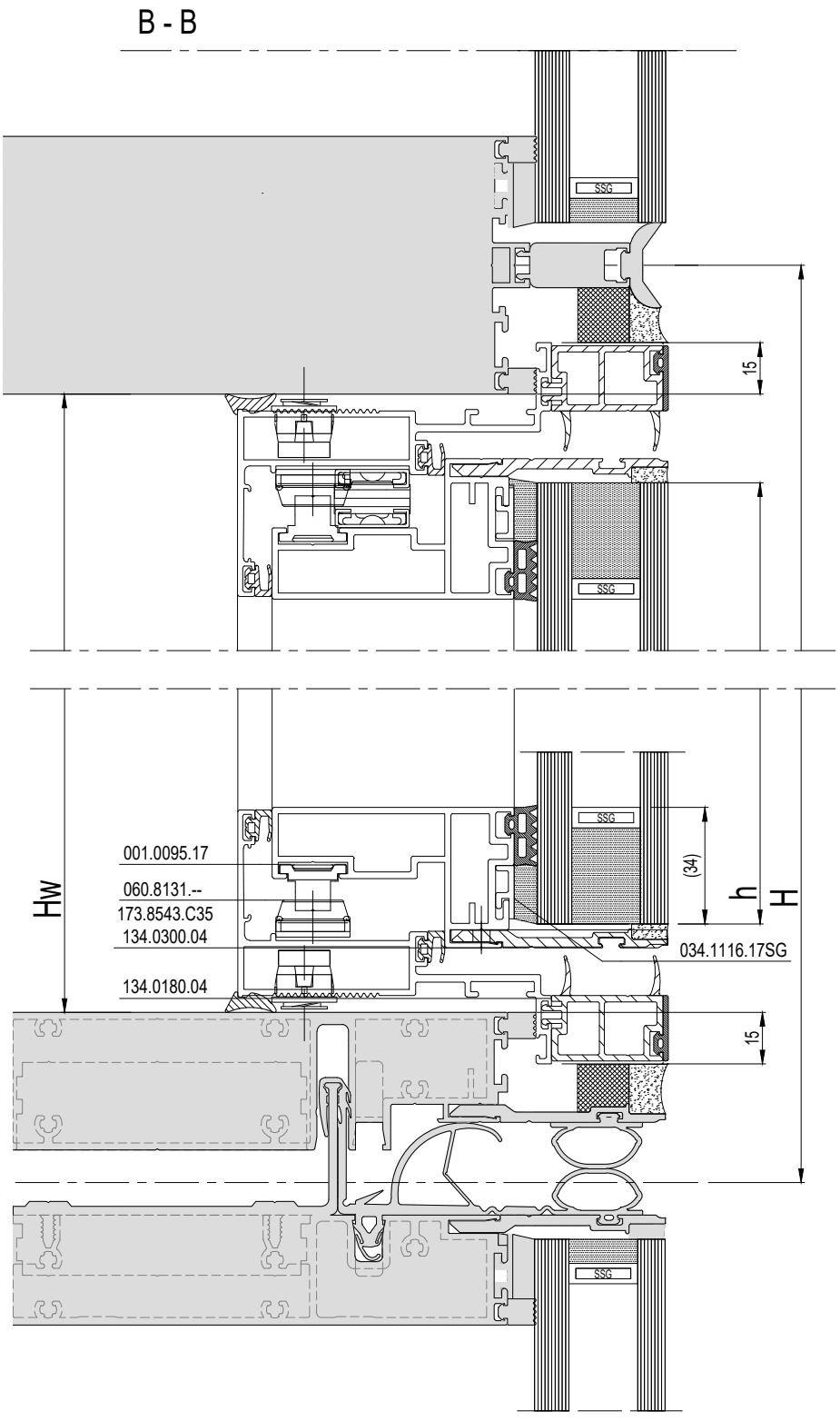
Reynaers Aluminium

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5119.--		24
057.5713.--		24
052.5330.--		24

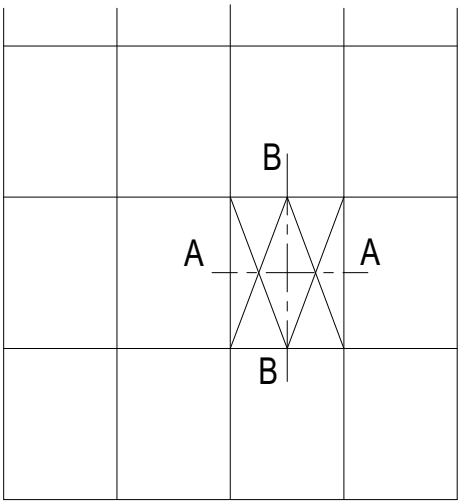


E

ETAG 002

schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM POW SGS - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. POW SGS - EF 7-SG
OUTWARD OPENING WINDOW POW SGS - EF 7-SG
AUSSEN OEFF. ELEM. POW SGS - EF 7-SG



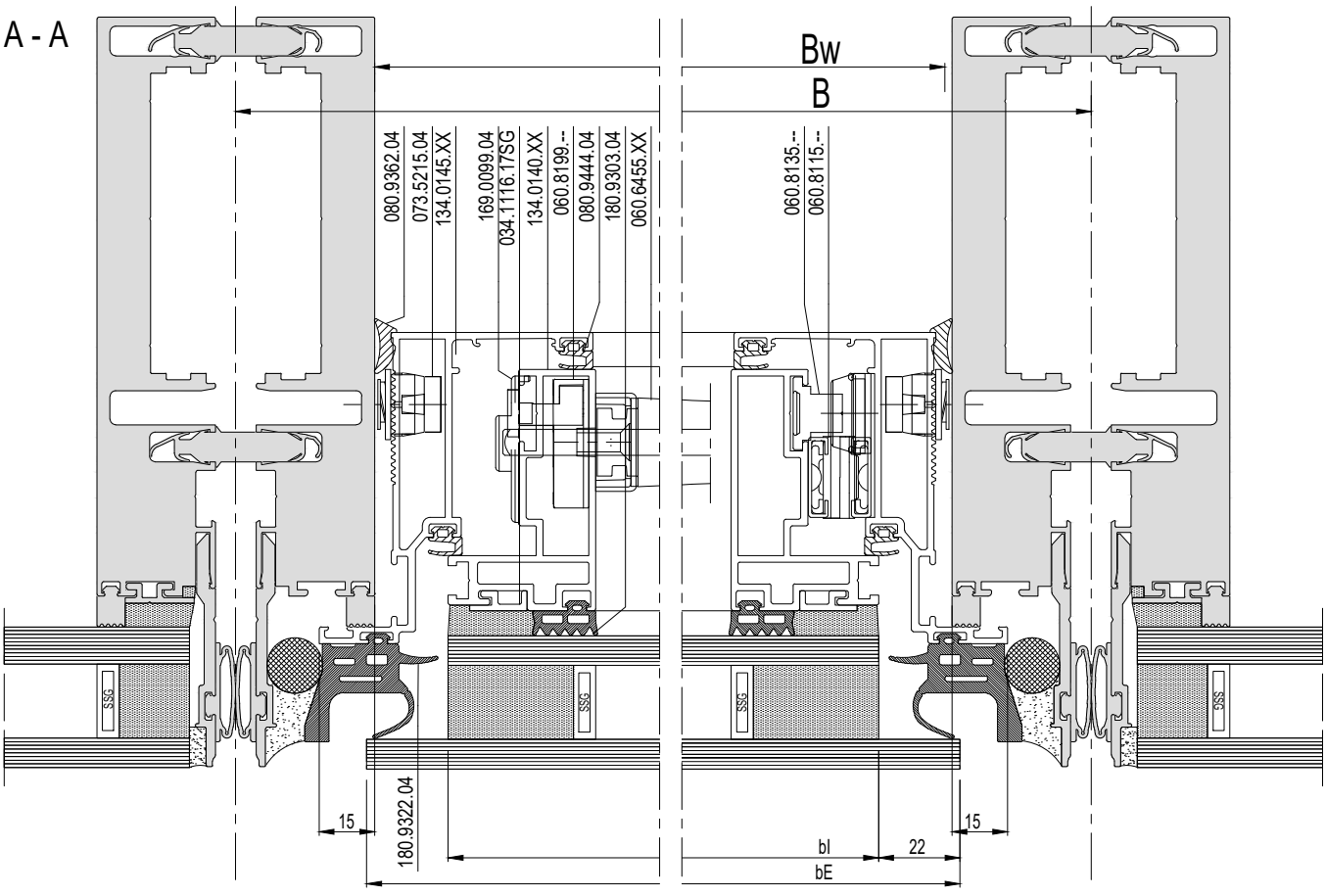
Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

			#	Lm
134.0145.XX			2	Bw + 30
			2	Hw + 30
134.0140.XX			2	Bw - 39.5
034.1116.17			2	Hw - 39.5
001.0075.17			-	15M.F. ...

bl = Bw - 39.5
bE = Bw + 4.5
hl = Hw - 39.5
hE = Hw + 4.5

		#
068.7303.00		8
060.8746.--**		4
068.7563.00		4
060.8721.00		4
173.8513.C35**		2
051.5281.--		4
180.9322.04**		2x(Hw+Bw+80)+0.75%
080.9362.04		2x(Hw+Bw)+1%
080.9444.04		4x(Hw+Bw-129)+1%
180.9303.04		2x(Hw+Bw-83)+1%
073.5215.00		4+(2xHw+2xBw)/700
052.5349.--		4+(2xHw+2xBw)/700
173.8255.--		4
055.5640.--		8

A - A



ETAG 002

schaal - échelle
scale - Maßstab
1/2

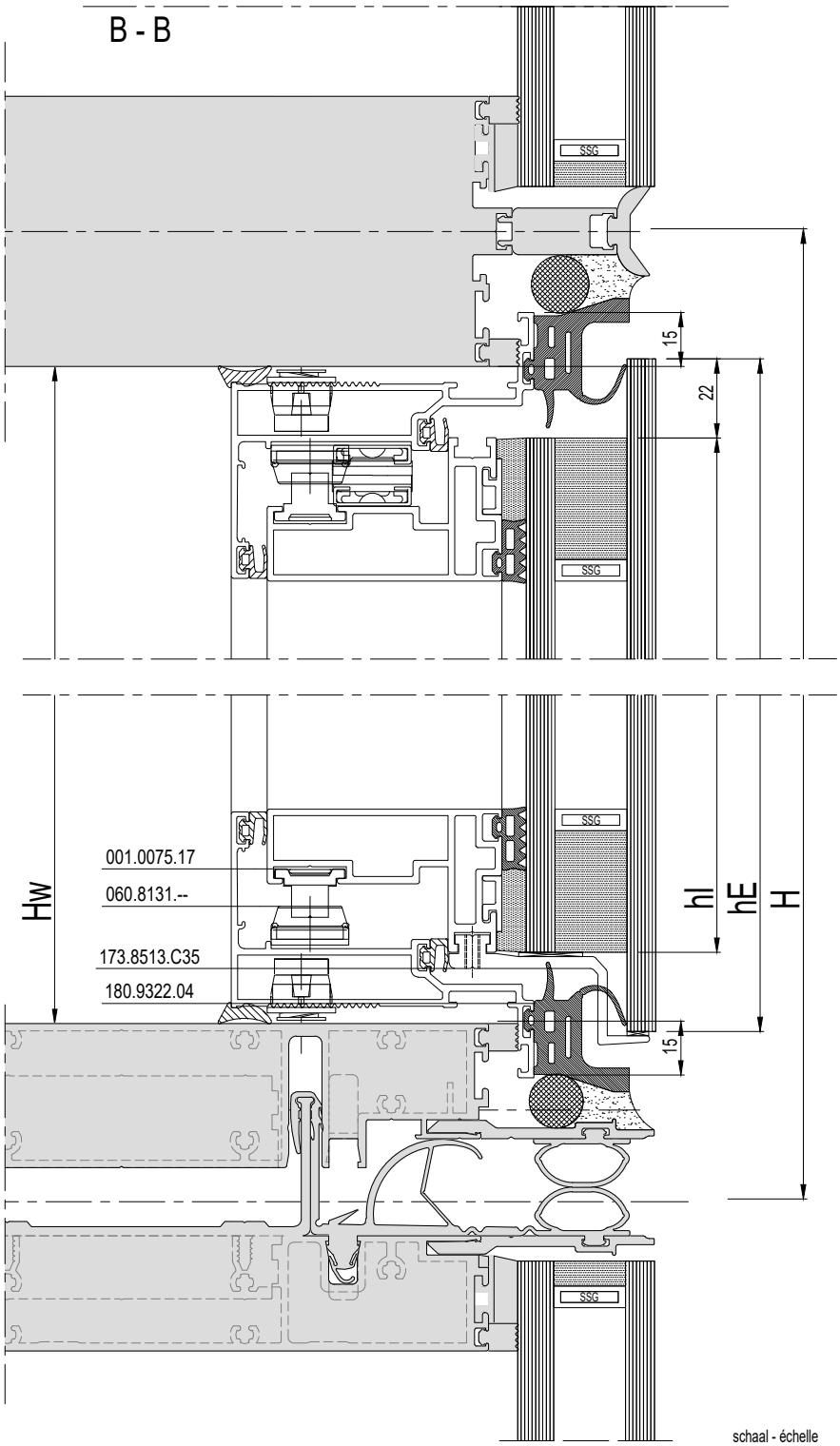
BUITENDRAAIEND ELEM POW SGS - EF 7-SG
ELEM.OUVERTURE VERS L'EXT. POW SGS - EF 7-SG
OUTWARD OPENING WINDOW POW SGS - EF 7-SG
AUSSEN OEFF. ELEM. POW SGS - EF 7-SG

Configuratie gemarkeerd met **, is vatbaar voor variabelen, zie F pagina's.
La configuration marquée avec ** est sujette à des variables, voir pages F.
The configuration marked with ** are subject to variables, see F pages.
Die mit ** gekennzeichnete Konfiguration ist anfällig für Variablen, siehe F-Seiten.

		#
060.6455.XX**		2
060.8199.XX**		2
050.5011.--		4
169.0099.04**		2
052.5312.--		4

		#
060.8131.--**		1
052.5332.--		12
052.5310.--		1
052.5311.--		2
060.8135.--**		6
052.5332.--		18

		#
060.8115.--**		3
050.5016.--		24
057.5713.--		24
052.5330.--		24



ETAG
002

schaal - échelle
scale - Maßstab
1/2

E

BUITENDRAAIEND ELEM POW SG - EF7 SG
ELEM.OUVERTURE VERS L'EXT. POW SG - EF7 SG
OUTWARD OPENING WINDOW POW SG - EF7 SG
AUSSEN OEFF. ELEM. POW SG - EF7 SG

F

Reynaers Aluminium

Montagetekeningen
Fabrication et montage
Assembly drawings
Montagezeichnungen

A

	097.0183.00		097.Y900.00
	095.D300.00		

B

	097.0183.00		097.Y900.00
	095.C500.00		095.C600.00
			097.R600.00
	095.C700.00		097.R600.00
	097.0720.00		

B1

	097.0720.00

C

	097.0620.00 of/ou/or/oder 097.0421.00 of/ou/or/oder 097.0435.00

D

	095.C500.00		095.C600.00
			097.R100.00

E

	097.0620.00

F

	097.0421.00

G

	097.0435.00

H

	097.0735.00

J

	095.C500.00		095.C600.00
			097.R200.00

N

	095.C500.00		095.C600.00
			097.Q500.00
	095.C700.00		097.Q500.00
	090.0113.00		

M

	095.C500.00		095.C600.00
			097.Q500.00
	095.C700.00		097.Q500.00

O

	095.C500.00		095.C600.00
			097.S100.00

P

	095.C500.00		095.C600.00
			097.R400.00

Q

	095.C500.00		095.C600.00
			097.R500.00

R

	095.C500.00		095.C600.00
			097.L800.00

S

	097.0001.00

F

S1

097.0002.00

X

	097.0183.00		097.Y900.00	034.2534.XX 034.2535.XX 034.0538.XX 034.0539.XX 034.1540.XX 034.0543.XX 034.0536.XX 034.0537.XX 034.0542.XX 034.2535.XX

Y

	095.C500.00	095.C600.00 097.R300.00	034.2534.XX 034.2535.XX 034.0556.XX

Y1

	095.C500.00	095.C600.00 097.S200.00	034.0558.XX 034.1540.XX 034.0543.XX 034.0545.XX 034.0536.XX 034.0537.XX 034.0538.XX 034.0539.XX

Z

097.0621.XX

Z1

097.0005.00

AA

097.0801.00

AB

097.0791.00

AC

097.0792.00 197.B000.00

AD

097.0800.00

AE

197.B000.00

AF

097.0353.00

AG

197.E900.00

AH

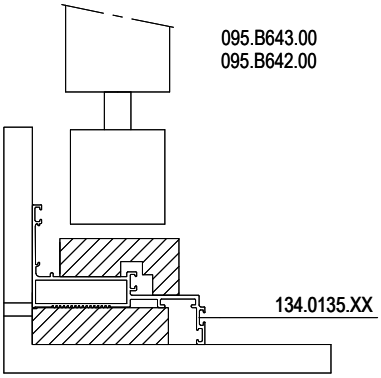
197.0856.00

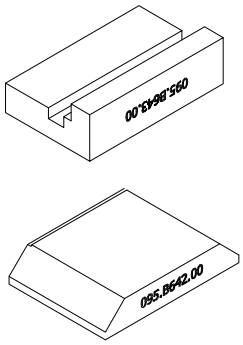
AI

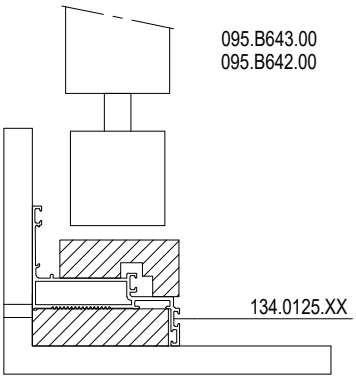
197.0857.00

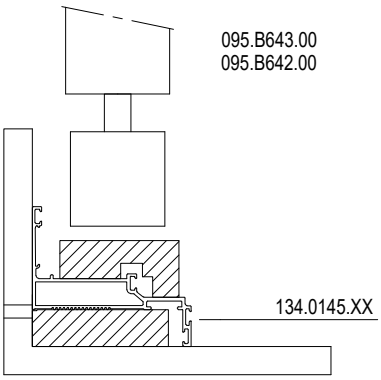
F

095.D440.00 + 095.B643.00
095.B642.00







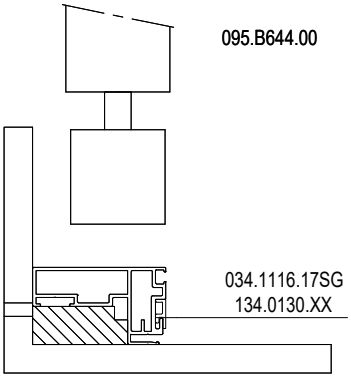


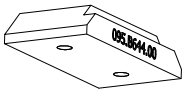
F

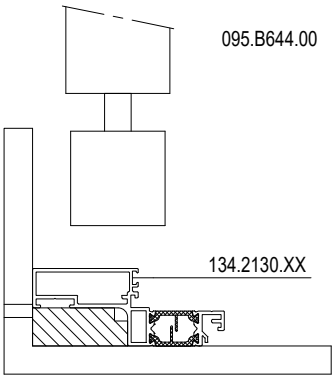
BIJKOMENDE INFO VOORBEREIDING/VERWERKING -> RAADPLEEG HOOFDSTUK B !
INFO COMPLEMENTAIRE PREPARATION/USINAGE -> CONSULTEZ CHAPITRE B !
ADDITIONAL INFO PREPARATION/PROCESSING -> CONSULT CHAPTER B !
ZUSAETZLICHE INFO VORBEREITUNG/VERARBEITUNG -> SIEHE KAPITEL B !

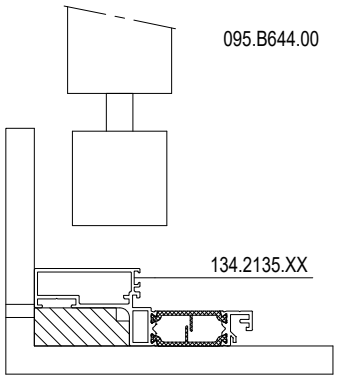
schaal - échelle
scale - Maßstab
1/2

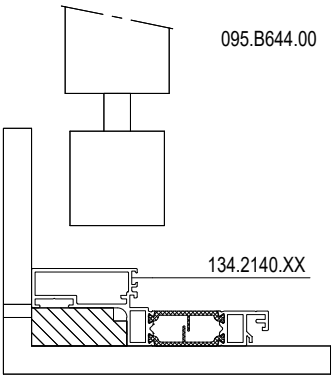
095.D440.00 + 095.B644.00

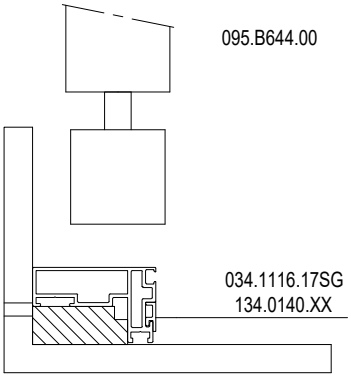








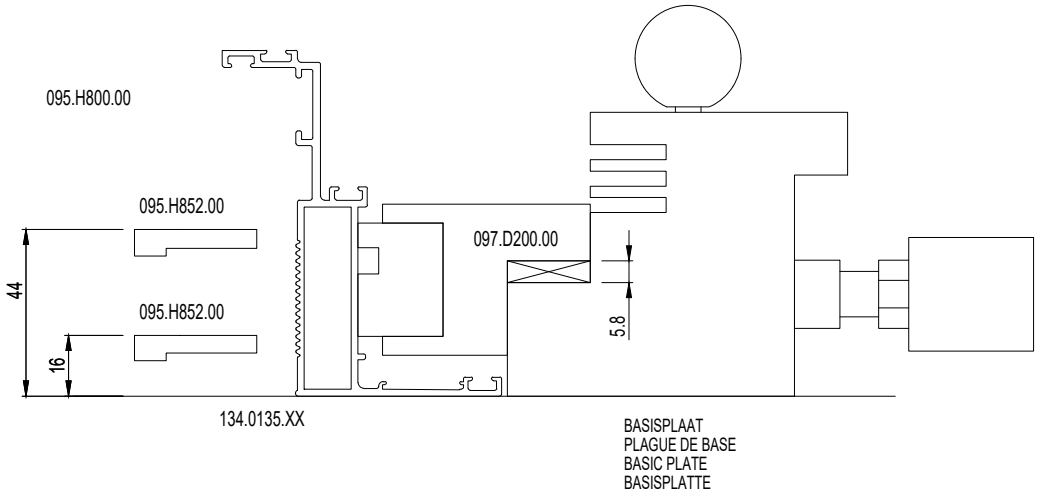


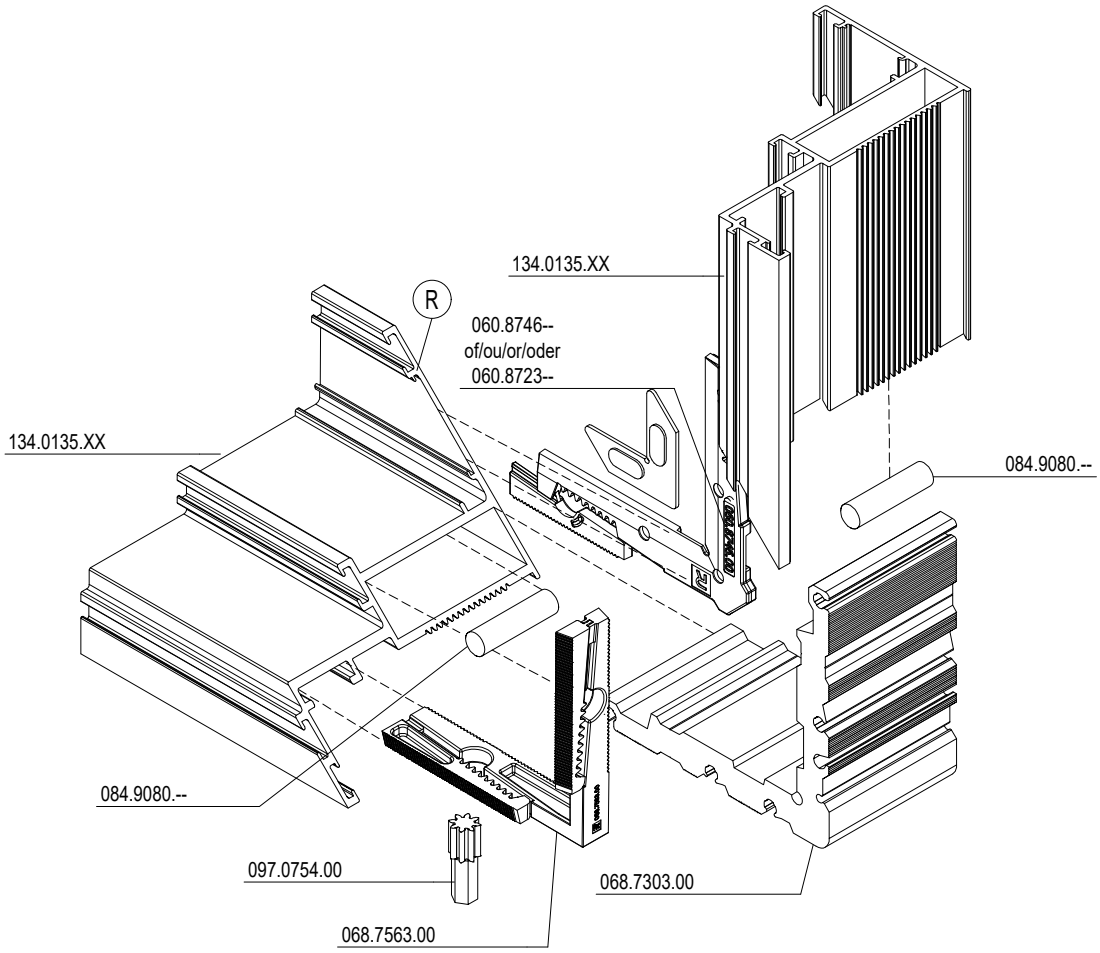


F

schaal - échelle
scale - Maßstab
1/2

PERSEN KADER 134.0135.XX
PRESSE CADRE 134.0135.XX
CRIMPING FRAME 134.01352.XX
PRESSECKVERB. RAHMEN 134.0135.XX

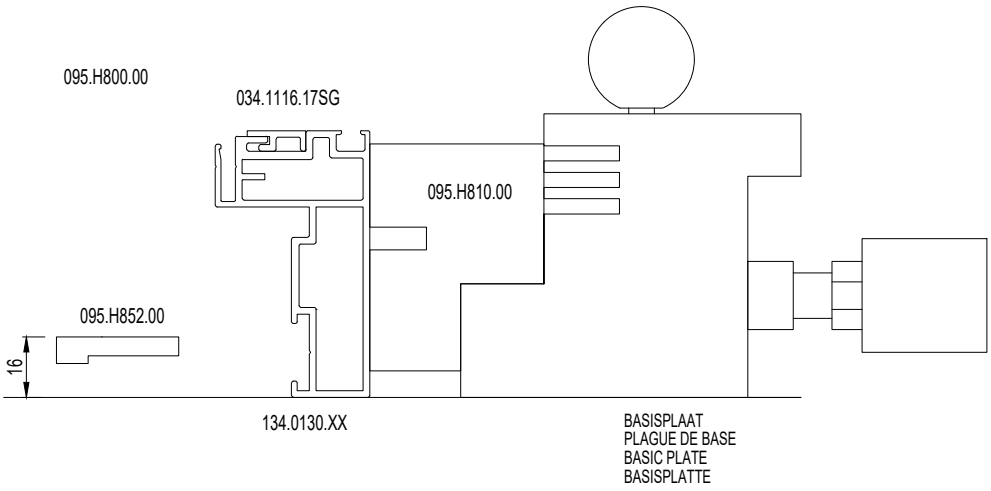


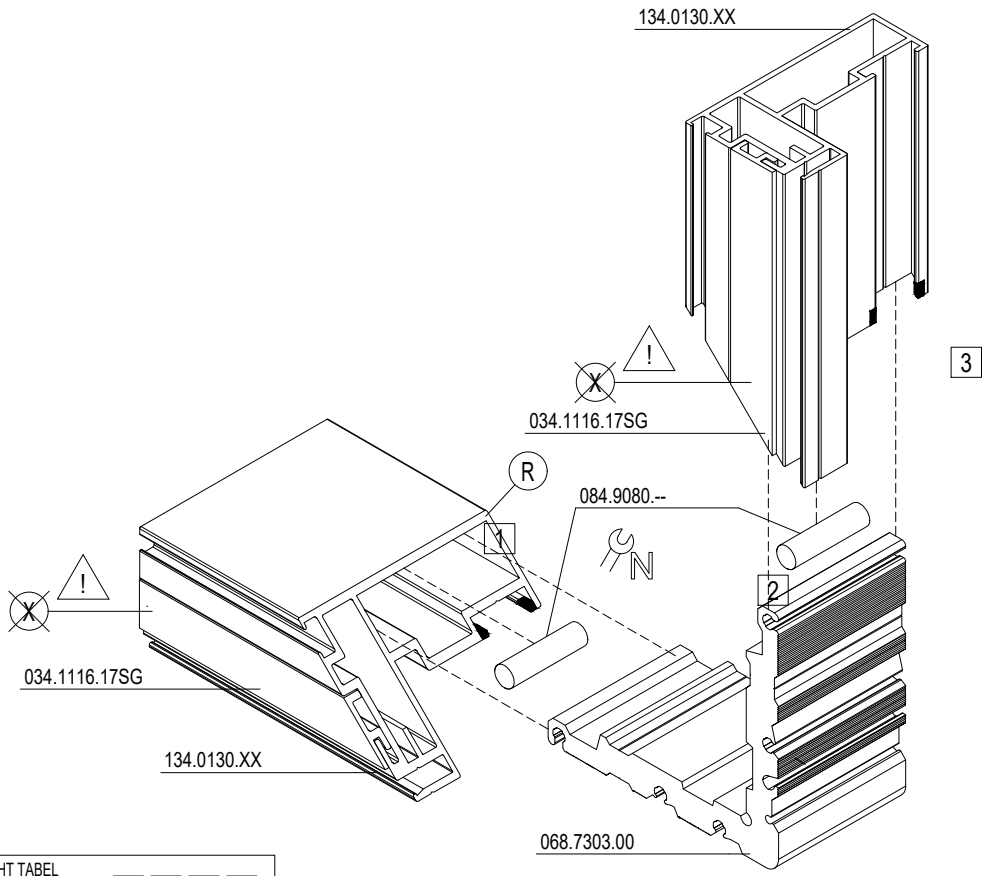


R	VERLIJMEN EN AFDICHTEN COLLER ET ENTANCHER GLUE AND SEAL OF MEIMEN UND ABDICHTEN	086.9206.SY

schaal - échelle
scale - Maßstab
1/2

PERSEN VLEUGEL 134.0130.XX
PRESSE OUVRANT 134.0130.XX
CRIMPING VENT 134.0130.XX
PRESSECKVERB. FLUEGEL 134.0130.XX





ZIE OVERZICHT TABEL
VOIR APERCU TABLEAU
SEE OVERVIEW TABLE
SIEHE UEBERSICHT TABELL
A B C .

R VERLIJMEN EN AFDICHTEN
COLLER ET ENTANCHER
GLUE AND SEAL OF
MEIMEN UND ABDICHTEN
086.9206.SY

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

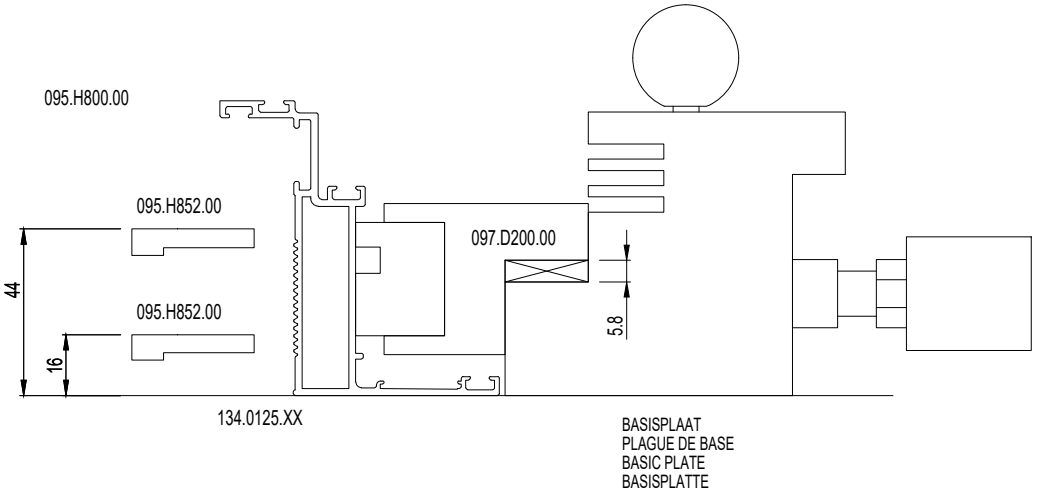
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

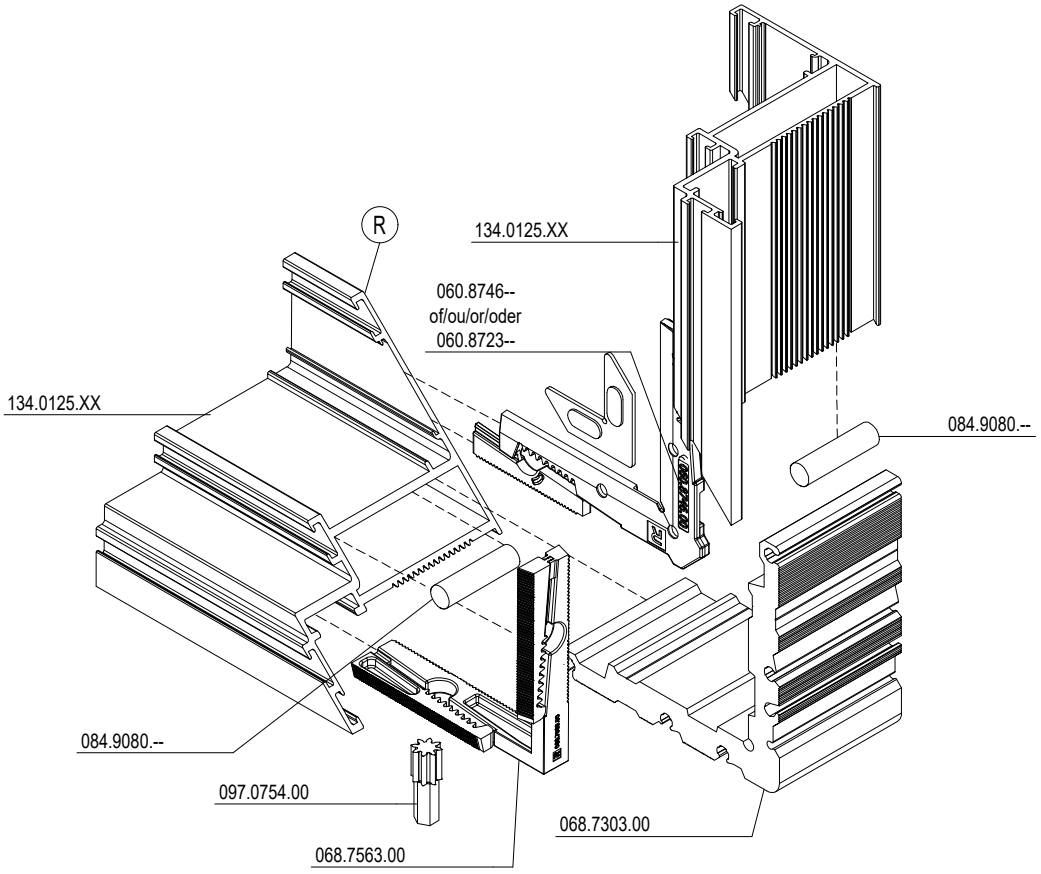
ETAG 002

schaal - échelle
scale - Maßstab
1/2

F

PERSEN KADER 134.0125.XX
PRESSE CADRE 134.0125.XX
CRIMPING FRAME 134.0125.XX
PRESSECKVERB. RAHMEN 134.0125.XX

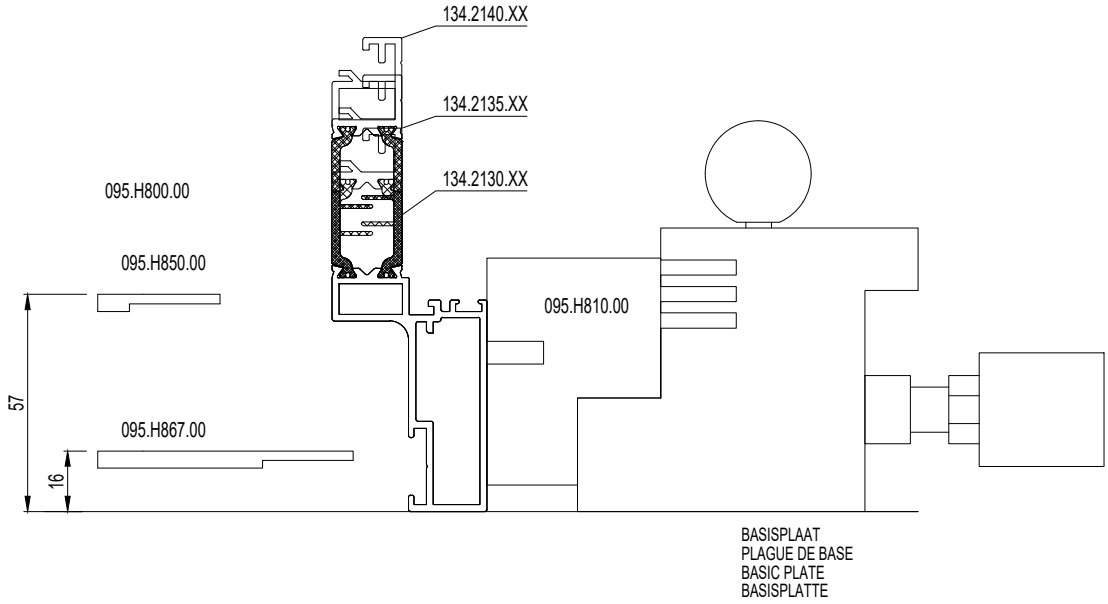


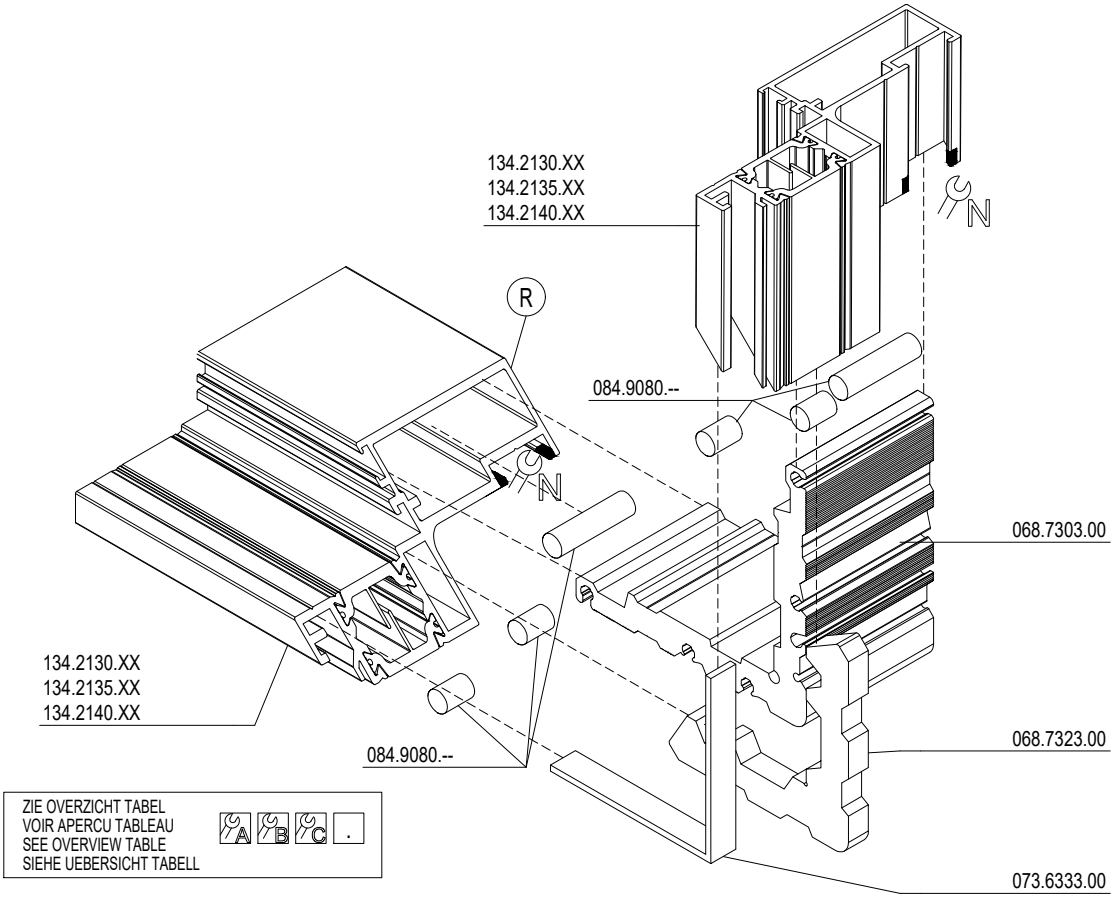


R	VERLIJMEN EN AFDICHTEN COLLER ET ENTANCHER GLUE AND SEAL OF MEIMEN UND ABDICHTEN	086.9206.SY

schaal - échelle
scale - Maßstab
1/2

PERSEN VLEUGEL 134.2130, 2135, 2140.XX
PRESSE OUVRANT 134.2130, 2135, 2140.XX
CRIMPING VENT 134.2130, 2135, 2140.XX
PRESSECKVERB. FLUEGEL 134.2130, 2135, 2140.XX

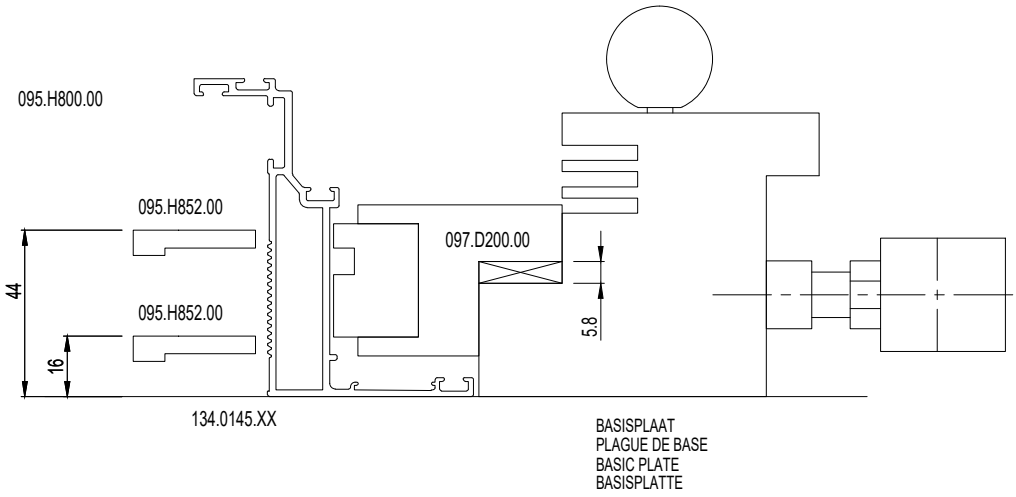


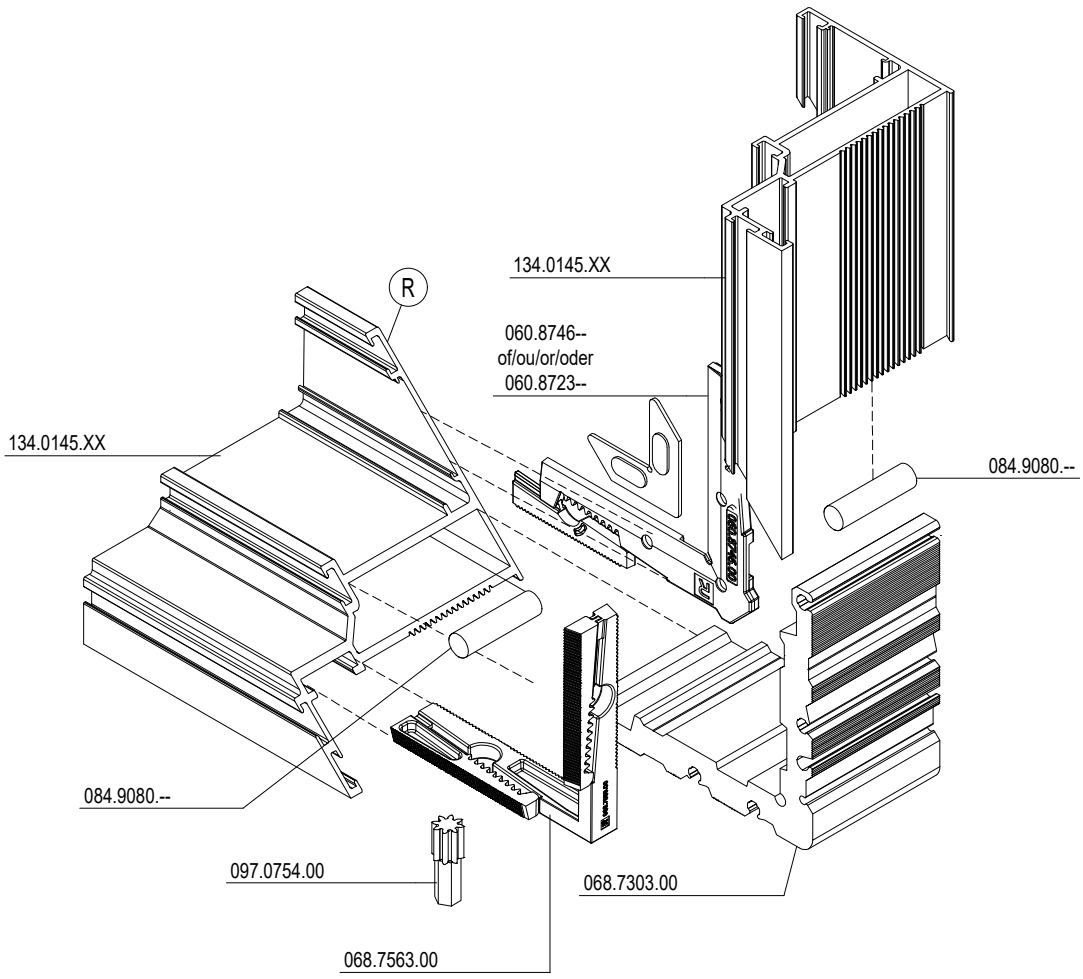


schaal - échelle
scale - Maßstab
1/2

F

PERSEN KADER 134.0145.XX
PRESSE CADRE 134.0145.XX
CRIMPING FRAME 134.0145.XX
PRESSECKVERB. RAHMEN 134.0145.XX

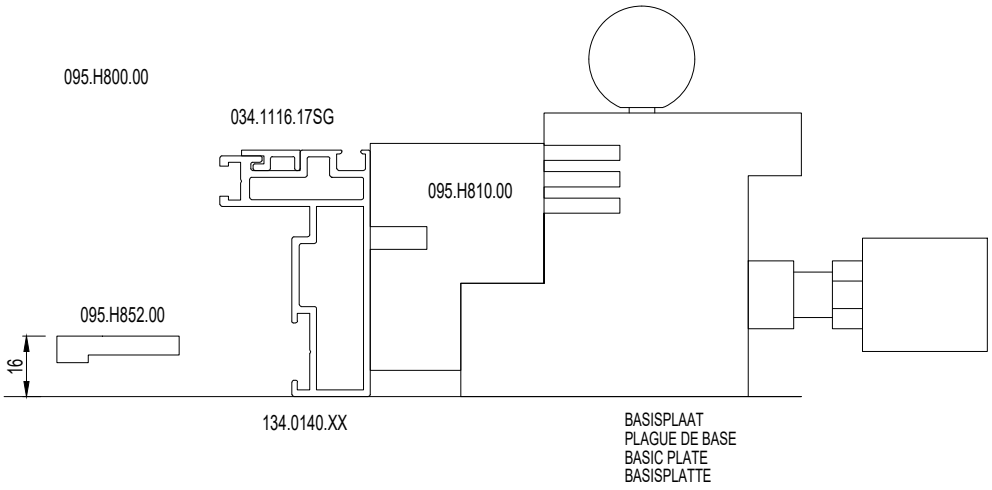


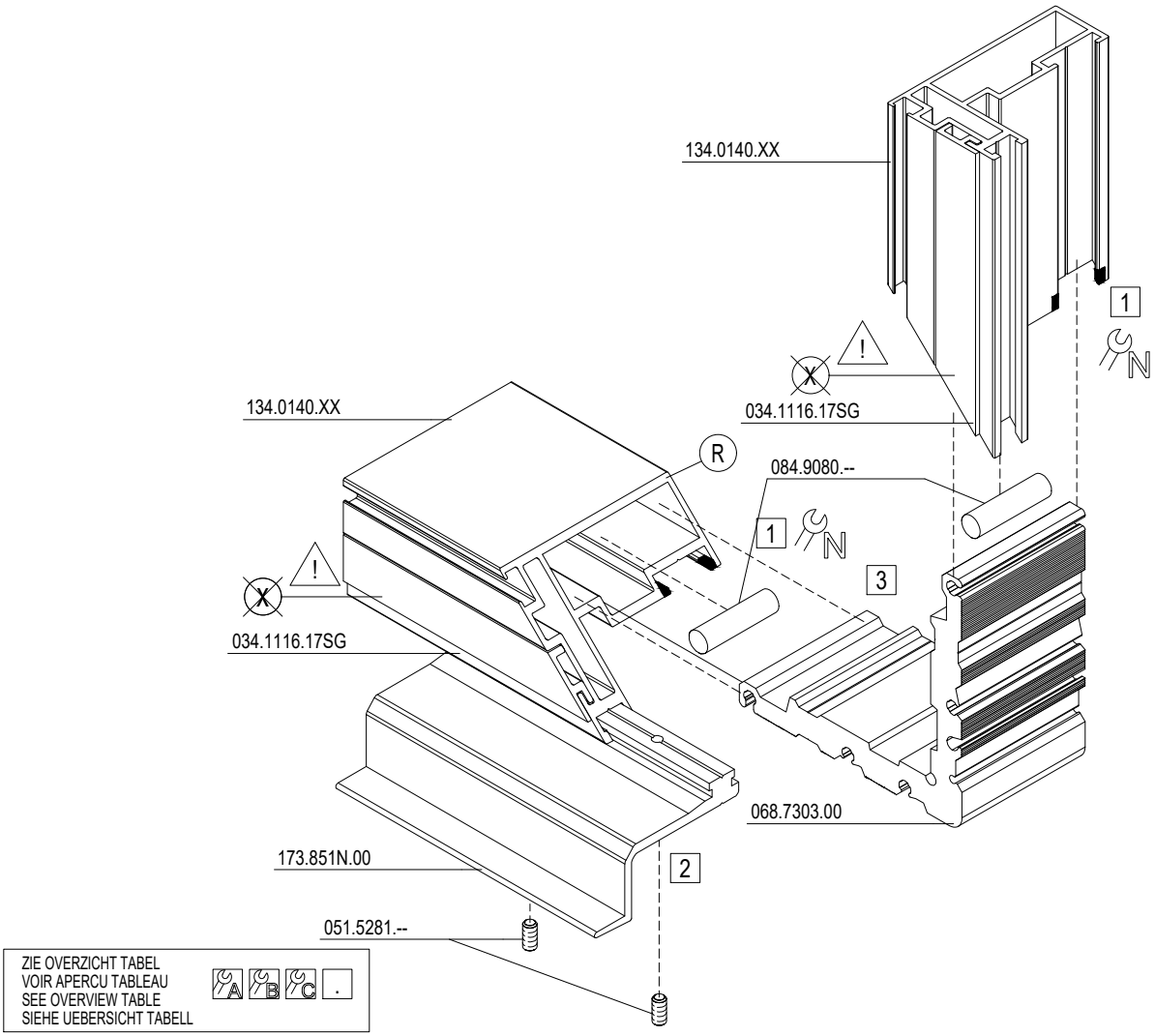


R VERLIJMEN EN AFDICHTEN
COLLER ET ENTANCHER
GLUE AND SEAL OF
MEIMEN UND ABDICHTEN
086.9206.SY

schaal - échelle
scale - Maßstab
1/2

PERSEN VLEUGEL 134.0140.XX
PRESSE OUVRANT 134.0140.XX
CRIMPING VENT 134.0140.XX
PRESSECKVERB. FLUEGEL 134.0140.XX





R VERLIJMEN EN AFDICHTEN
COLLER ET ENTANCHER
GLUE AND SEAL OF
MEIMEN UND ABDICHTEN
086.9206.SY

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

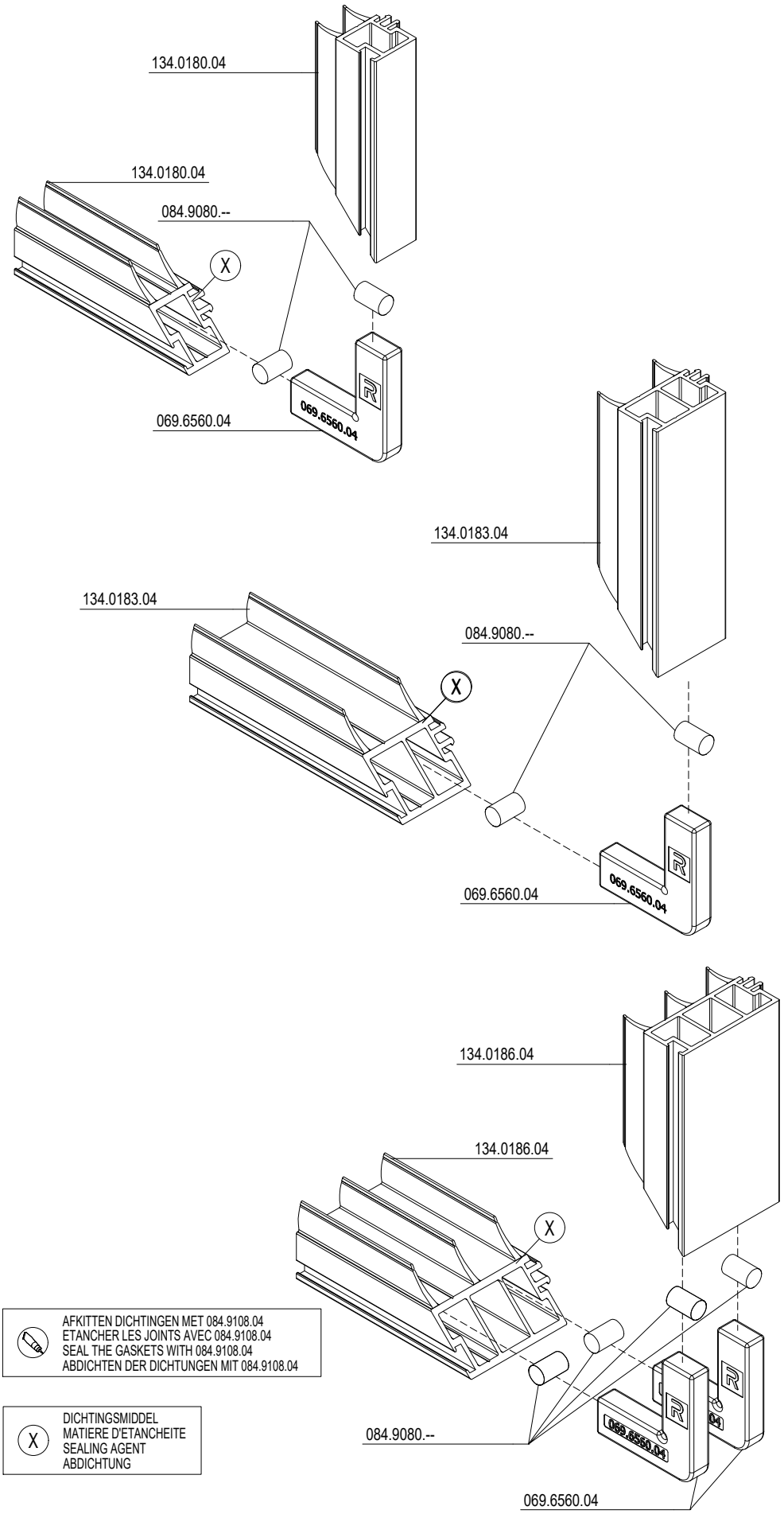
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

schaal - échelle
scale - Maßstab
1/2

F

VERLIJMEN OPVULPROFIEL 180,932X,04
COLLAGE PROFILE DE REMPLISSAGE 180,932X,04
GLUING FILLING PROFILE 180,932X,04
VERKLEBUNG HINTERFUELLUNGPROFIL 180,932X,04



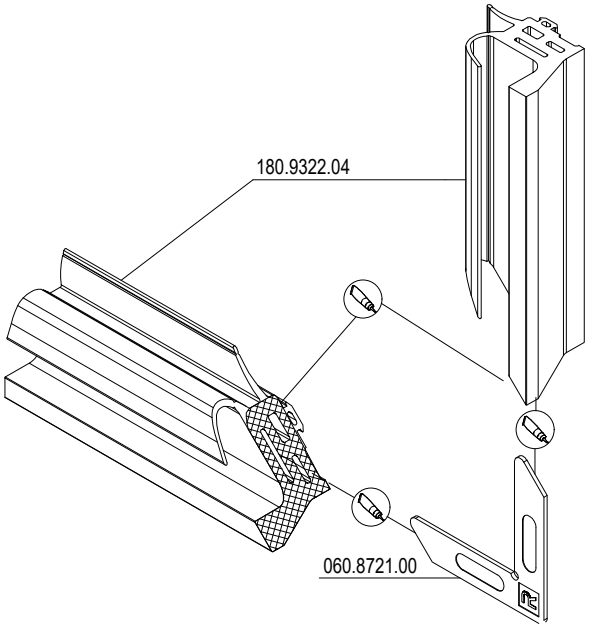
AFKITTEN DICHTINGEN MET 084.9108.04
ETANCHER LES JOINTS AVEC 084.9108.04
SEAL THE GASKETS WITH 084.9108.04
ABDICHTEN DER DICHTUNGEN MIT 084.9108.04

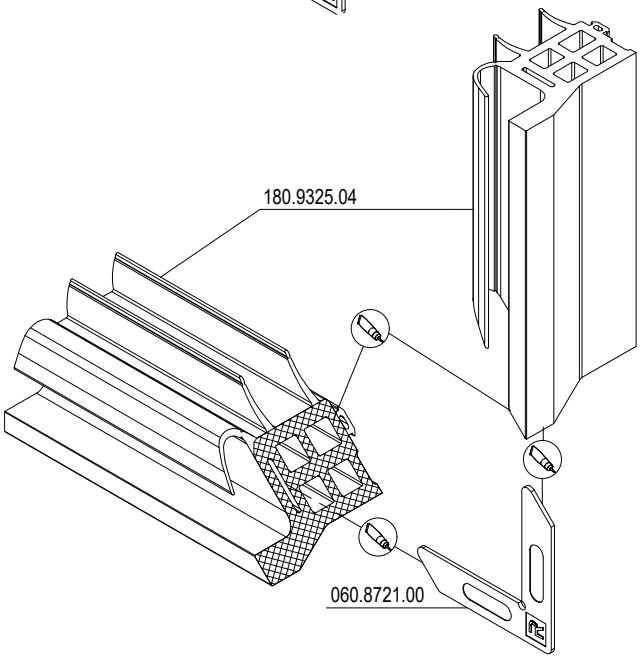
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

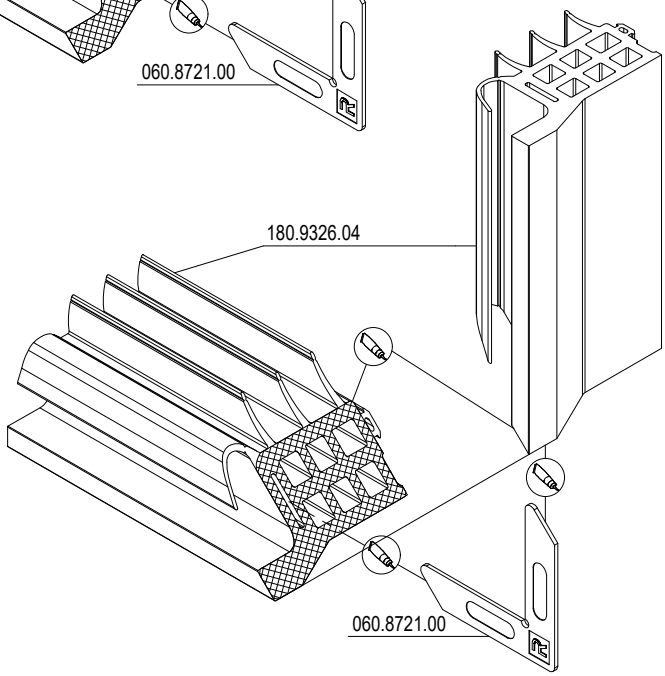
schaal - échelle
scale - Maßstab
1/2

F

VERLIJMEN OPVULPROFIEL 134.018X.04
COLLAGE PROFILE DE REMPLISSAGE 134.018X.04
GLUING FILLING PROFILE 134.018X.04
VERKLEBUNG HINTERFUELLUNGPROFIL 134.018X.04







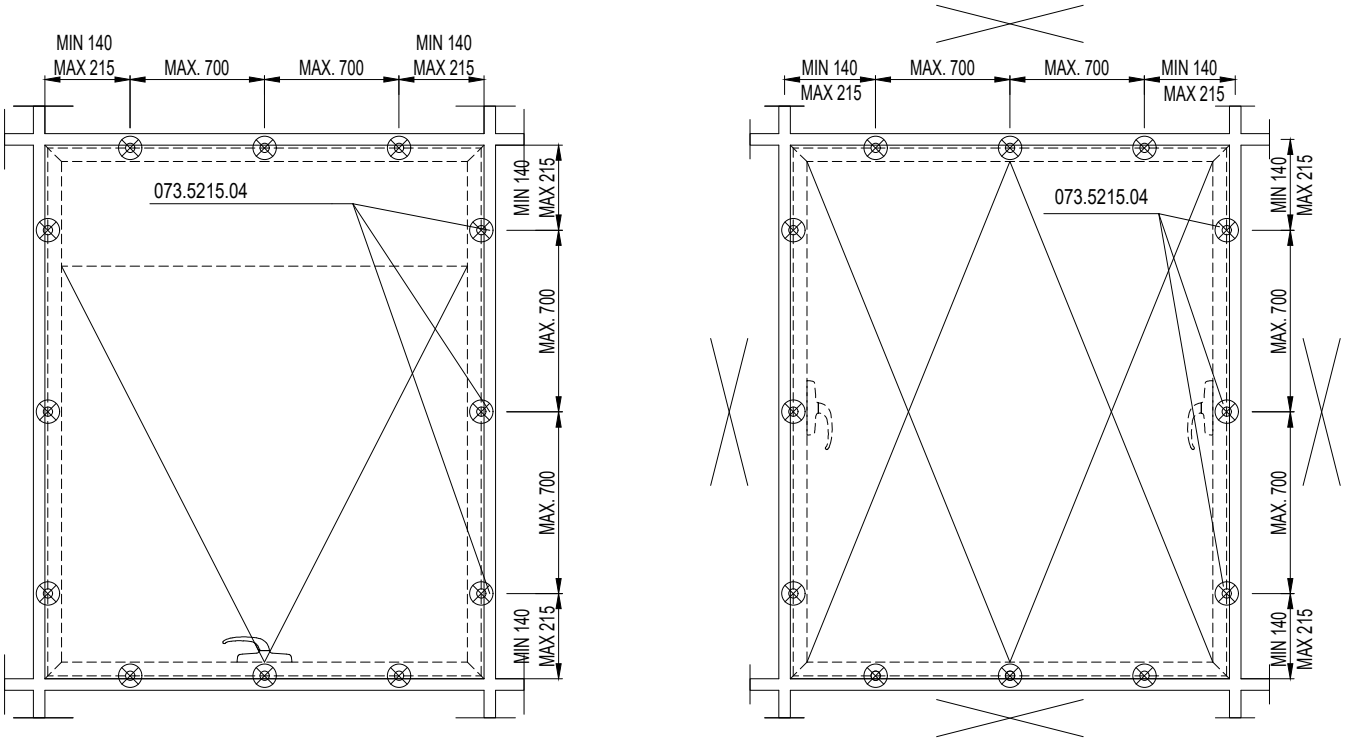
AFKITTEN DICHTINGEN MET 084.9108.04
ETANCHER LES JOINTS AVEC 084.9108.04
SEAL THE GASKETS WITH 084.9108.04
ABDICHTEN DER DICHTUNGEN MIT 084.9108.04

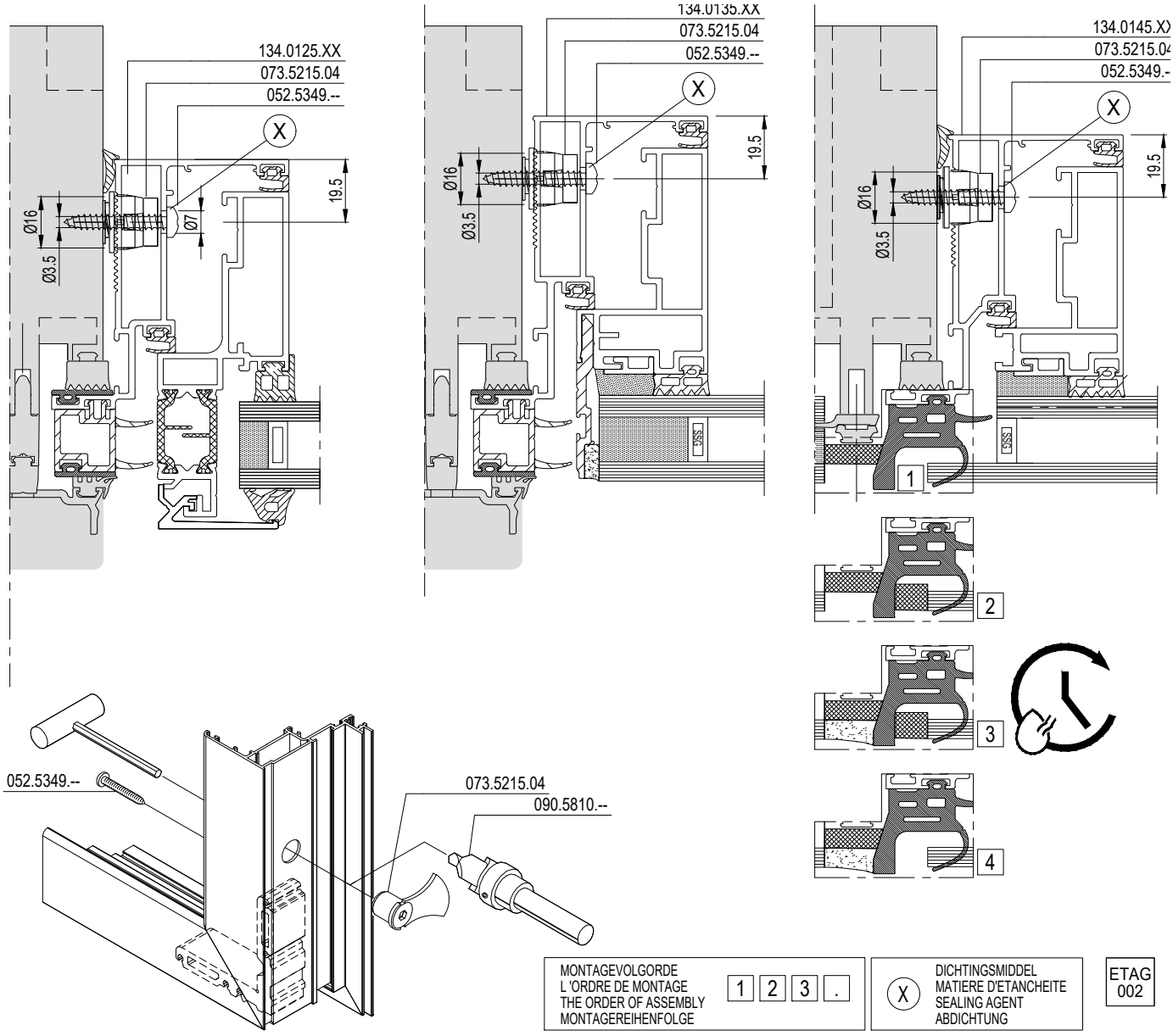
(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2

F

BUITENDRAAIEND ELEM BEVESTIGING CW
ELEM.OUVERTURE VERS L'EXT. FIXATION CW
OUTWARD OPENING WINDOW CW FIXATION
AUSSEN OEFF. ELEM. BEFESTIGUNG CW

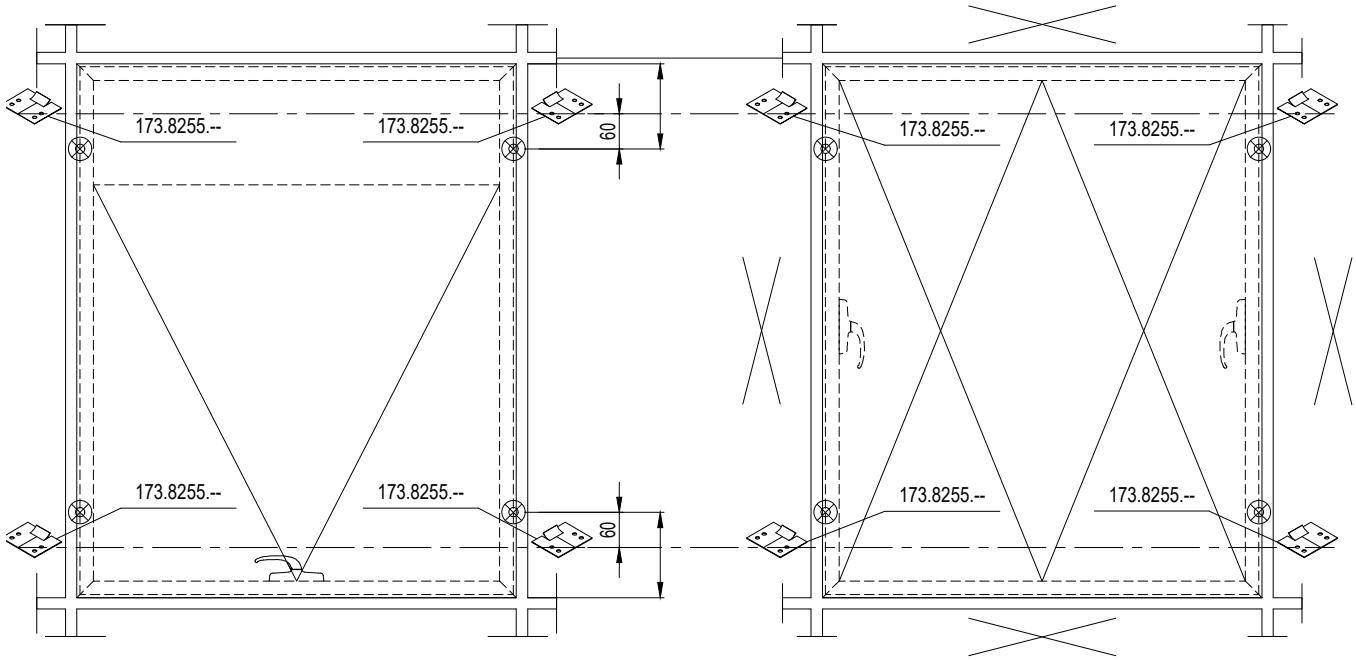


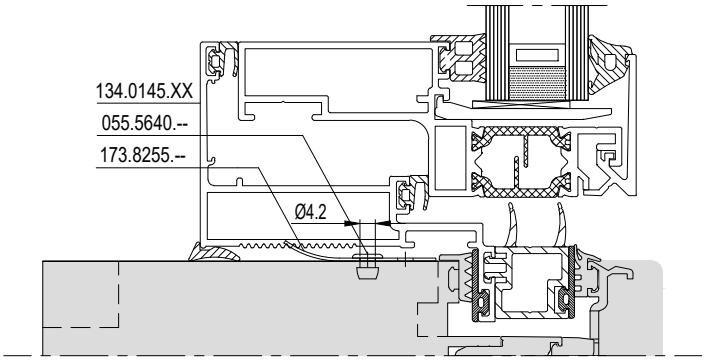


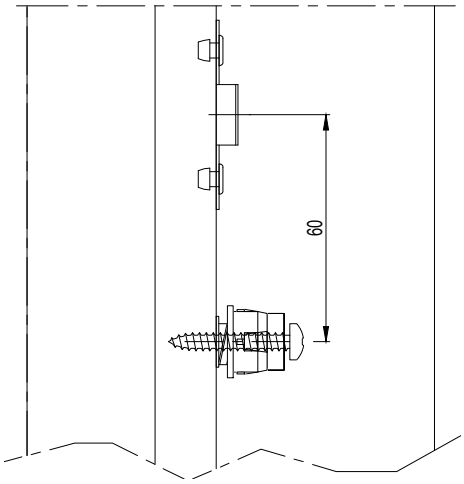
MONTAGEVOLGORDE L 'ORDRE DE MONTAGE THE ORDER OF ASSEMBLY MONTAGEREIHENFOLGE	1 2 3 .	X DICHTINGSMIDDEL MATIERE D'ETANCHEITE SEALING AGENT ABDICHTUNG

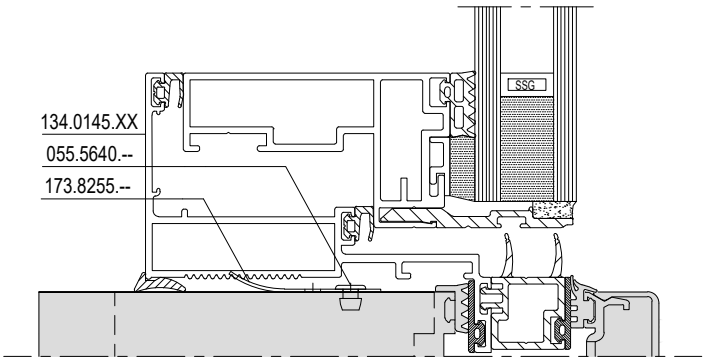
ETAG 002

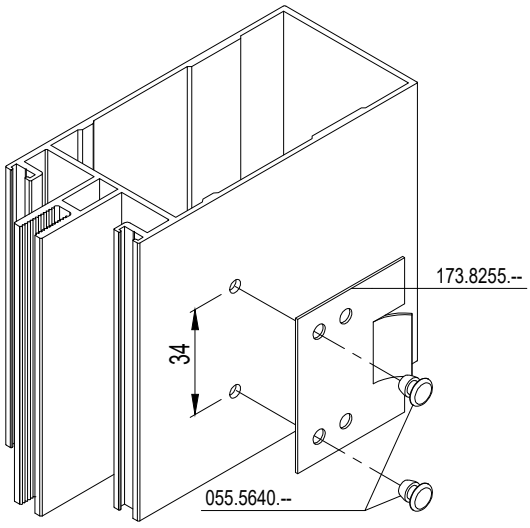
BUITENDRAAIEND ELEM BEVESTIGING CW
ELEM.OUVERTURE VERS L'EXT. FIXATION CW
OUTWARD OPENING WINDOW CW FIXATION
AUSSEN OEFF. ELEM. BEFESTIGUNG CW

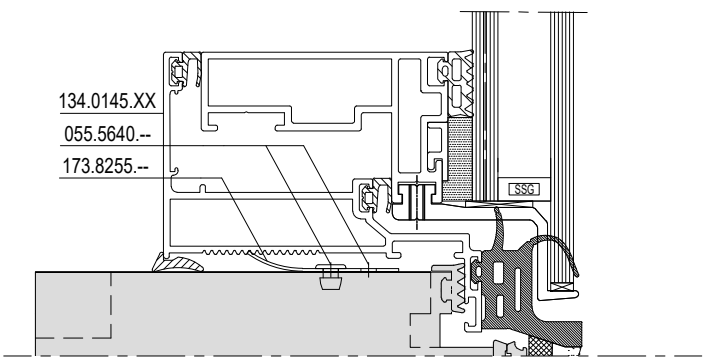








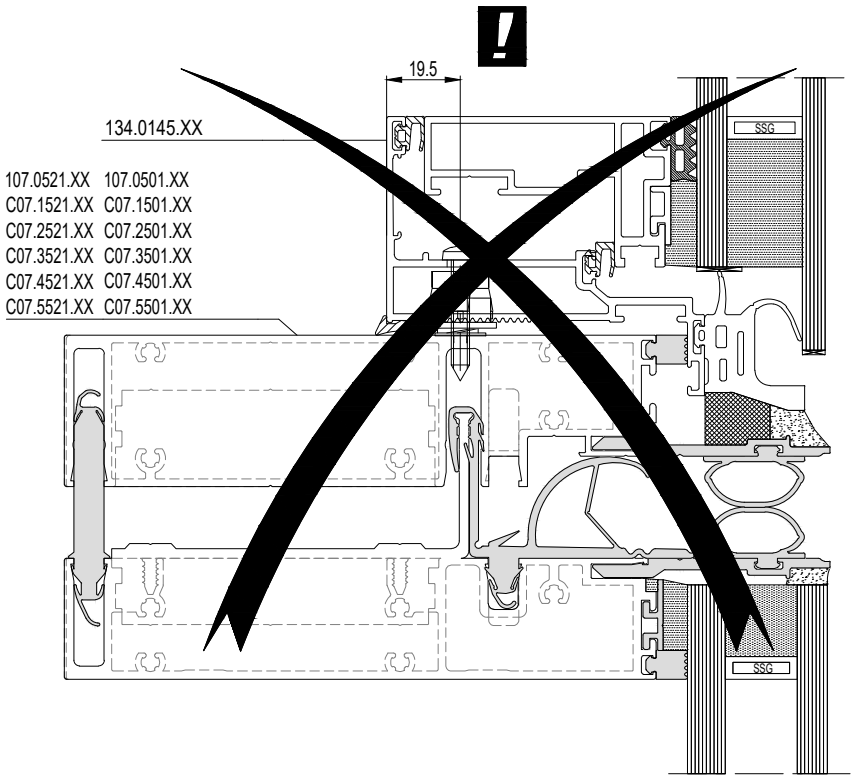


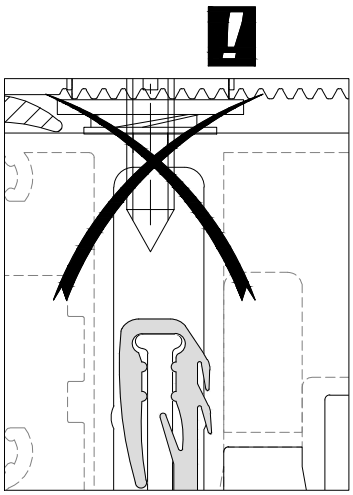


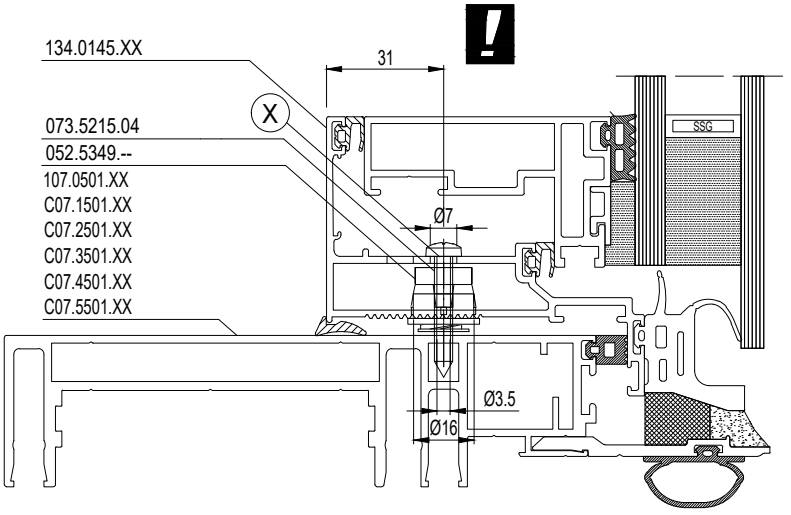
ETAG
002

F

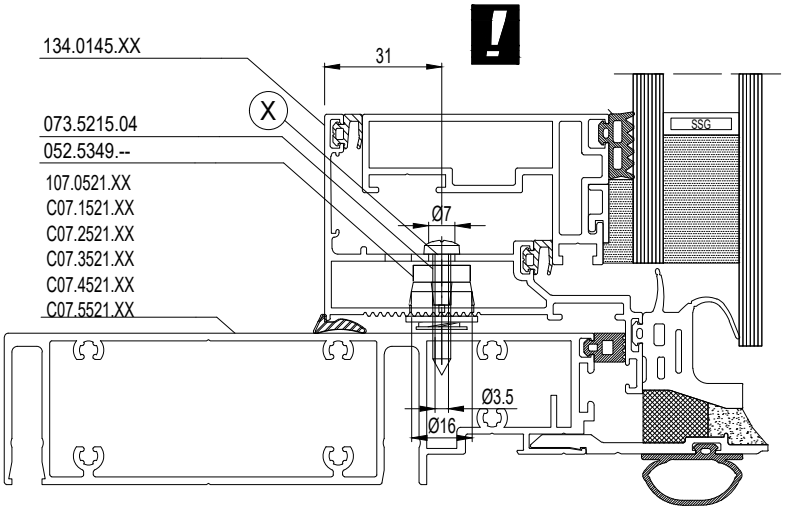
BUITENDRAAIEND ELEM BEVESTIGING EF 7
ELEM.OUVERTURE VERS L'EXT. FIXATION EF 7
OUTWARD OPENING WINDOW EF 7 FIXATION
AUSSEN OEFF. ELEM. BEFESTIGUNG EF 7







107.0501.XX
C07.1501.XX
C07.2501.XX + 134.0145.XX
C07.3501.XX
C07.4501.XX
C07.5501.XX

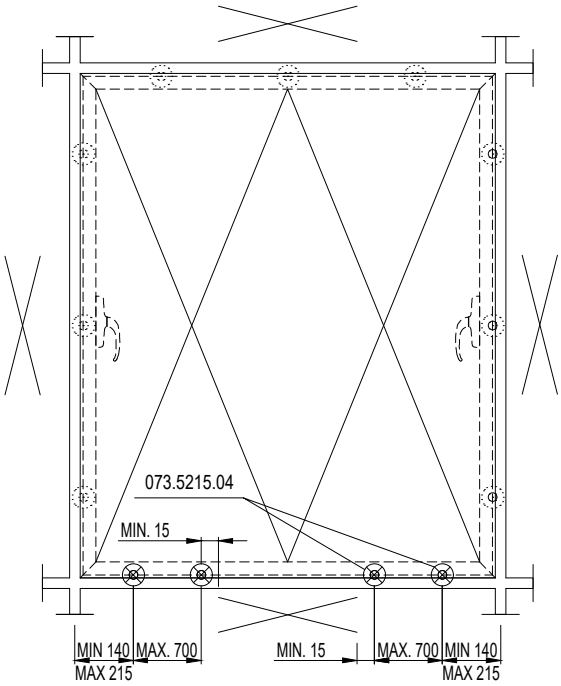


107.0521.XX
C07.1521.XX
C07.2521.XX + 134.0145.XX
C07.3521.XX
C07.4521.XX
C07.5521.XX

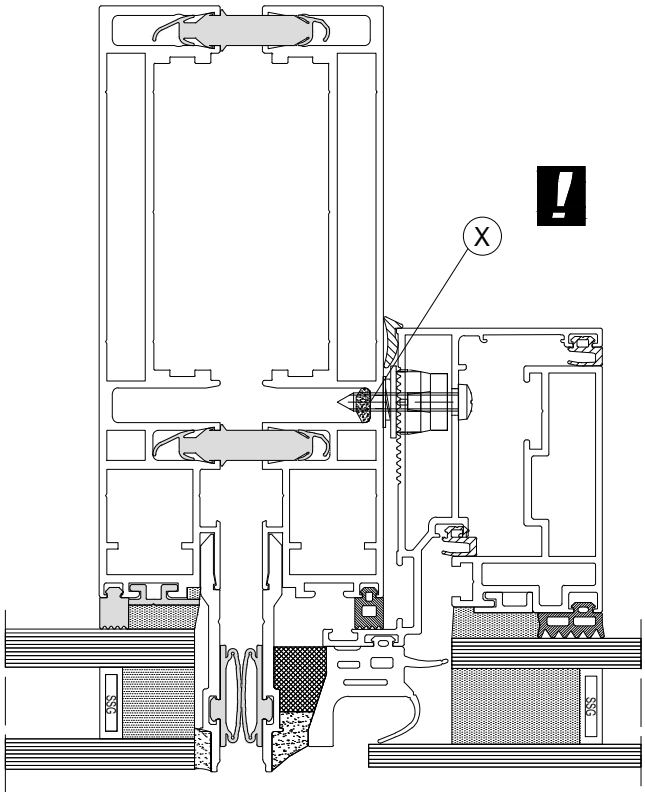
schaal - échelle
scale - Maßstab
1/2

F

BUITENDRAAIEND ELEM BEVESTIGING EF 7
ELEM.OUVERTURE VERS L'EXT. FIXATION EF 7
OUTWARD OPENING WINDOW EF 7 FIXATION
AUSSEN OEFF. ELEM. BEFESTIGUNG EF 7



107.0510.XX
C07.1510.XX
C07.2510.XX + 134.0145.XX
C07.3510.XX
C07.4510.XX
C07.5510.XX

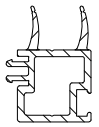


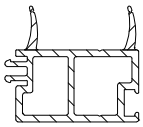
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

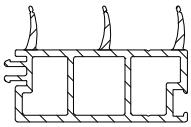
schaal - échelle
scale - Maßstab
1/2

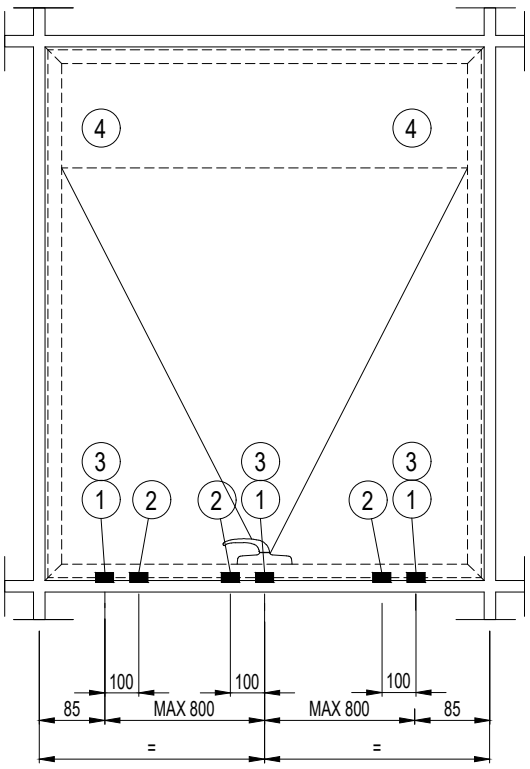
F

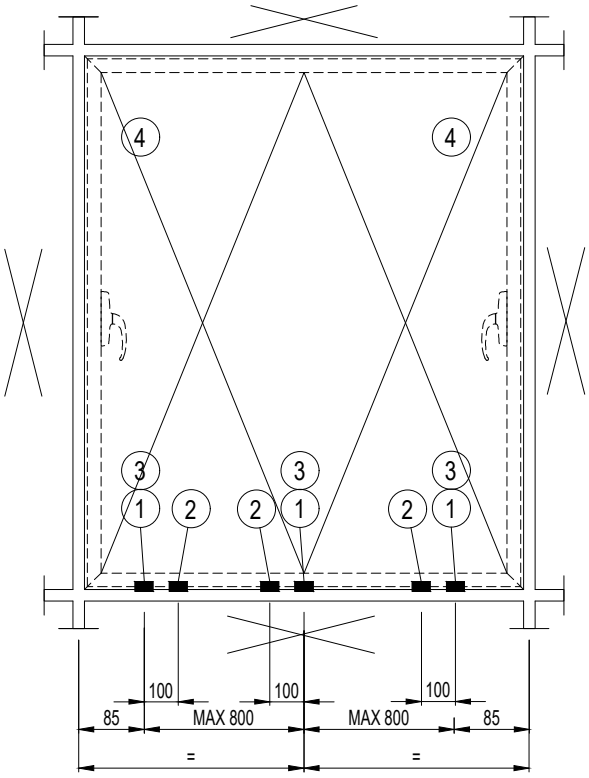
BUITENDRAAIEND ELEM ONTWATERING SG
ELEM.OUVERTURE VERS L'EXT. DRAINAGE SG
OUTWARD OPENING WINDOW DRAINAGE SG
AUSSEN OEFF. ELEM. ENTWAESSERUNG SG

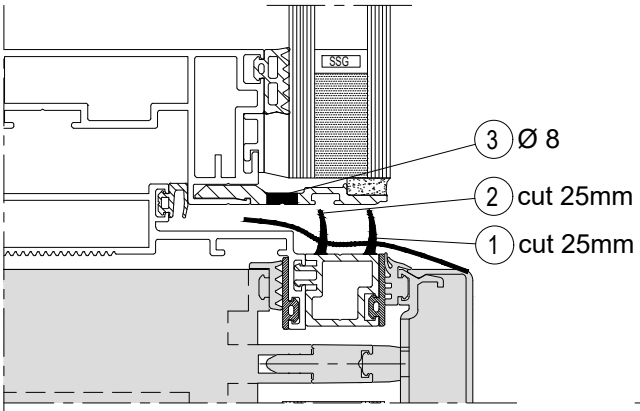

134.0180.04

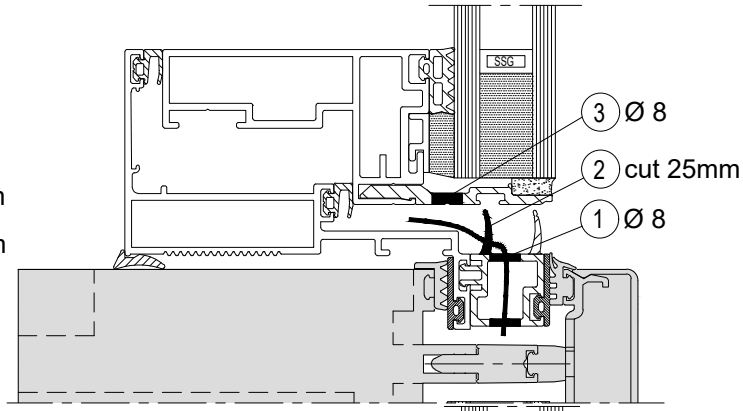

134.0183.04

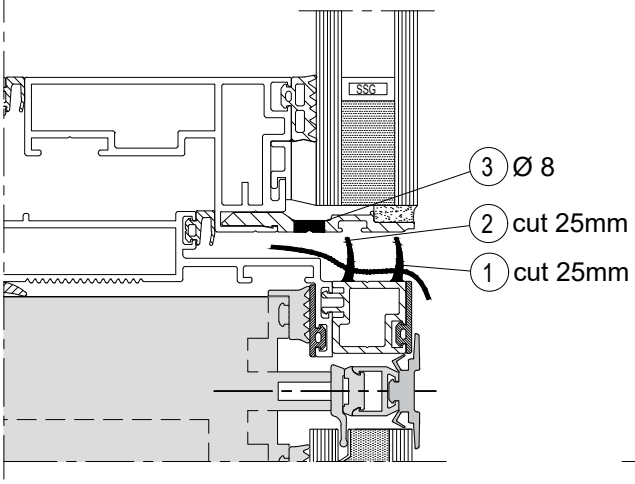

134.0186.04

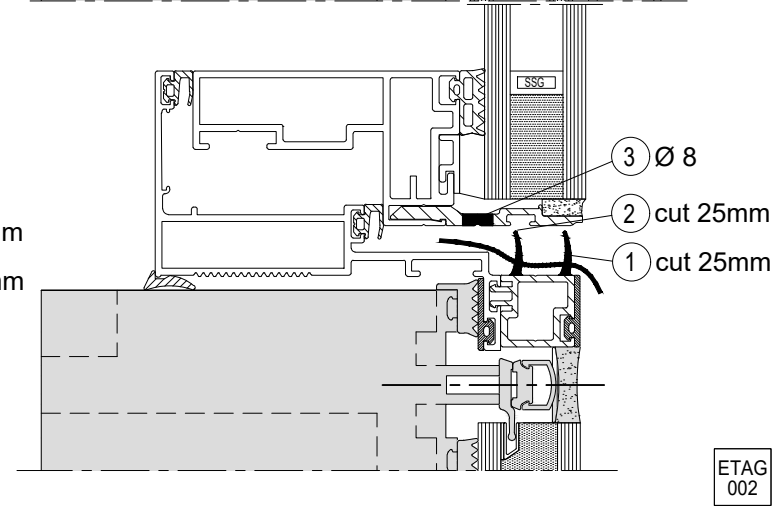








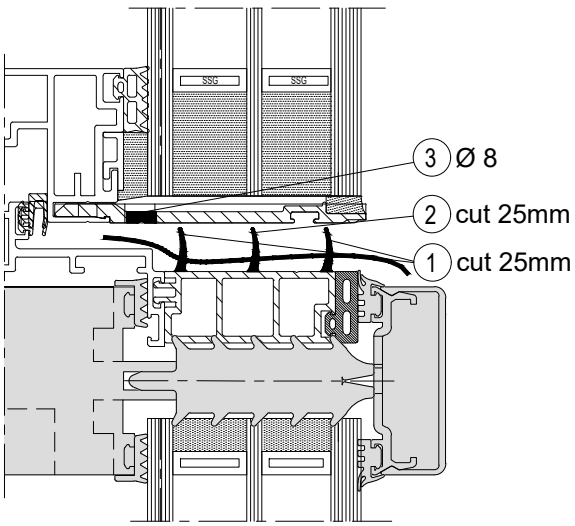


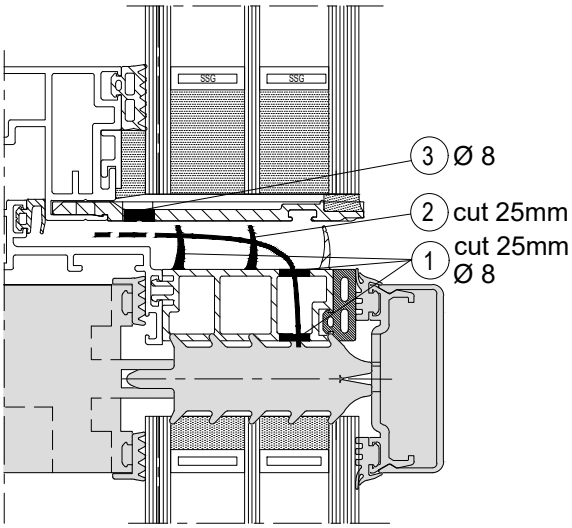


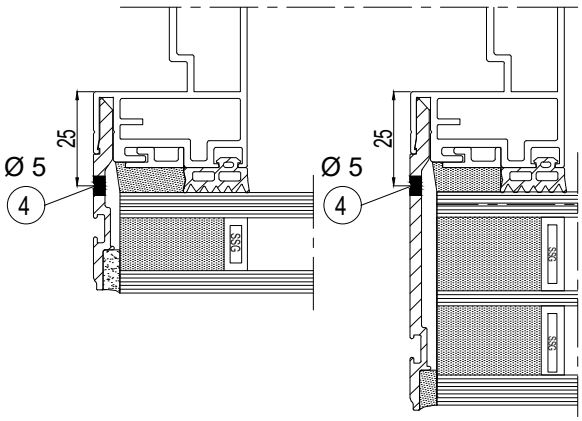
ETAG
002

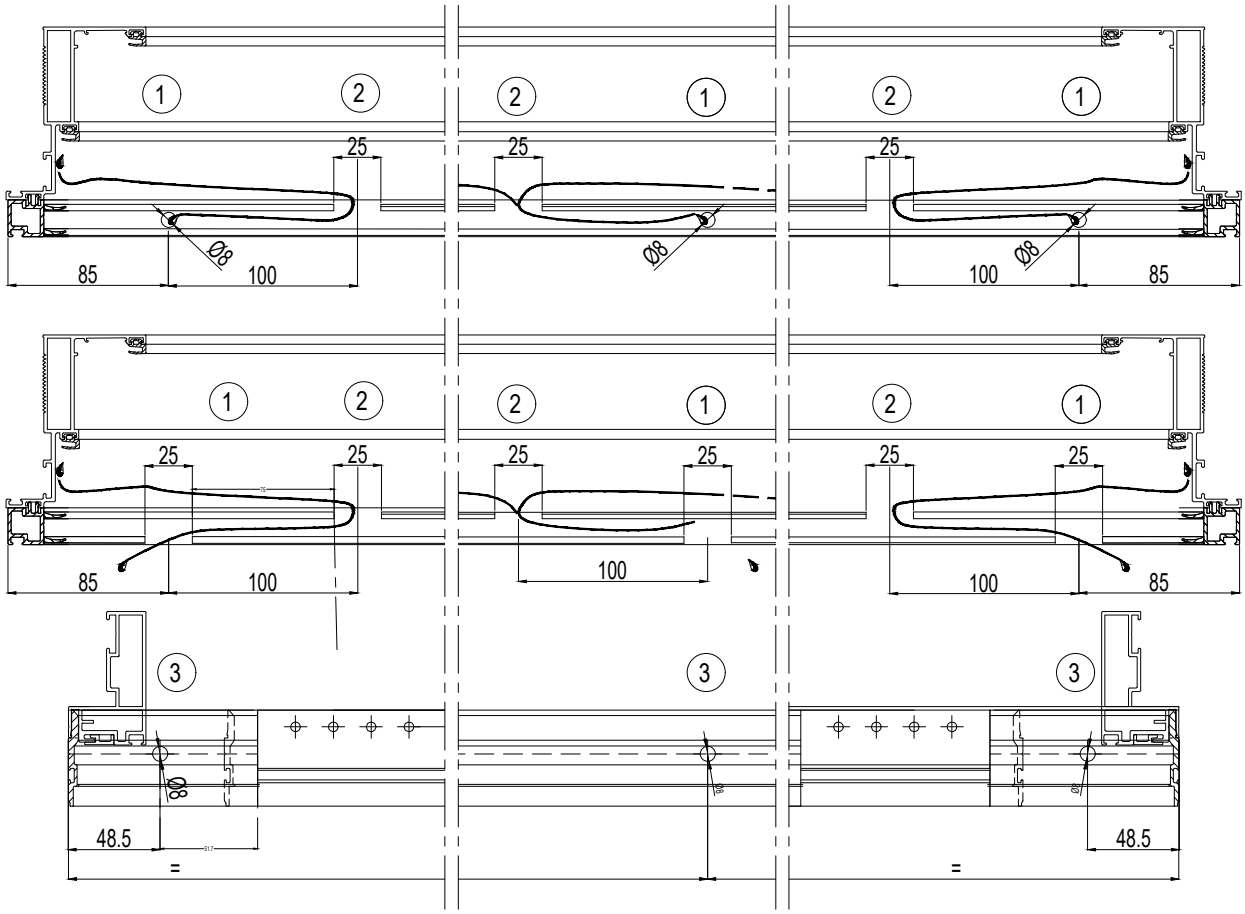
F

BUITENDRAAIEND ELEM ONTWATERING SG
ELEM.OUVERTURE VERS L'EXT. DRAINAGE SG
OUTWARD OPENING WINDOW DRAINAGE SG
AUSSEN OEFF. ELEM. ENTWAESSERUNG SG





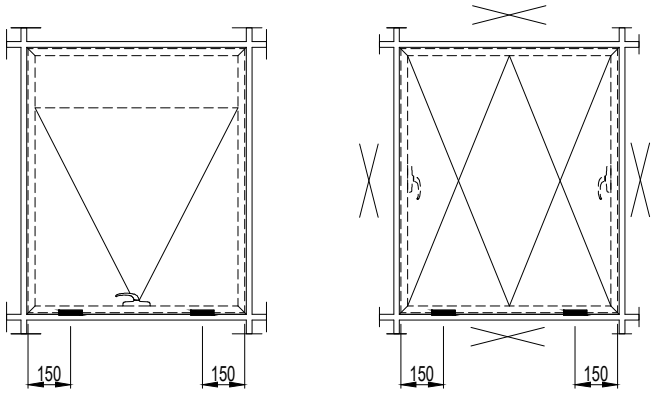


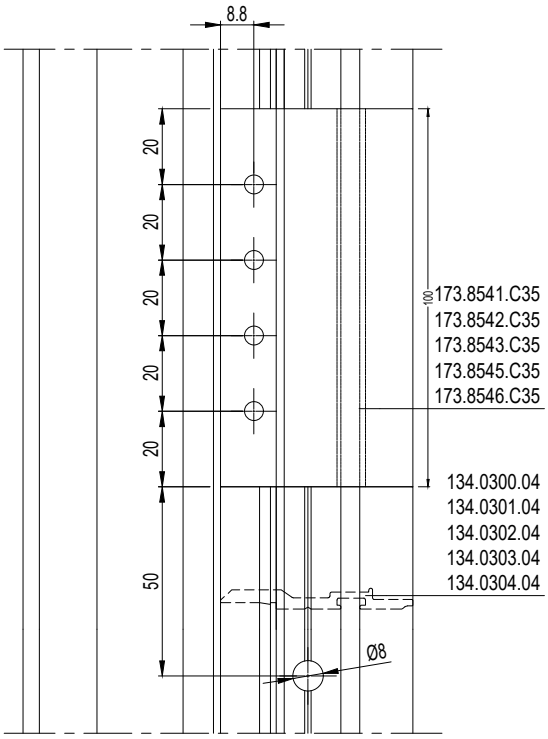


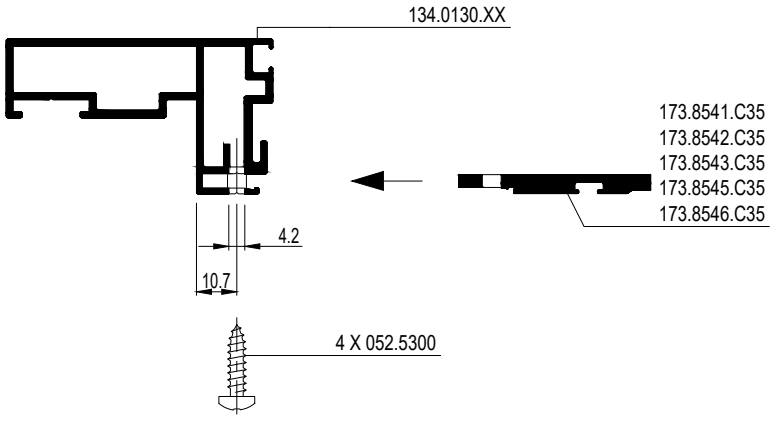
ETAG 002

F

GLASSTEUN, MAX. GLASGEWICHT 120KG
SUPPORT CALE DE VITRAGE, POIDS MAX. DU VITRAGE 120KG
GLASS SUPPORT, MAX GLASS WEIGHT 120KG.
GLASAUFLAGE, MAX. GLASGEWICHT 120KG



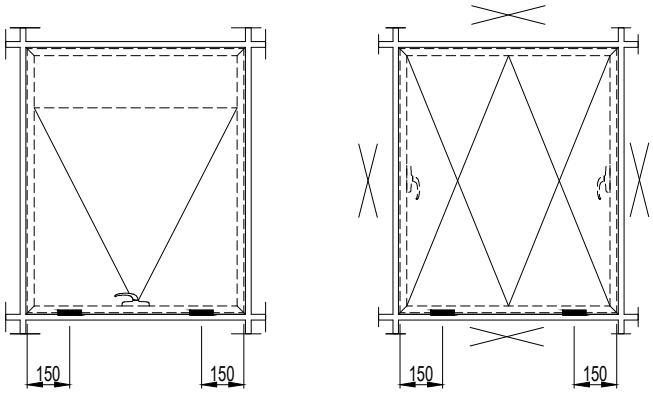


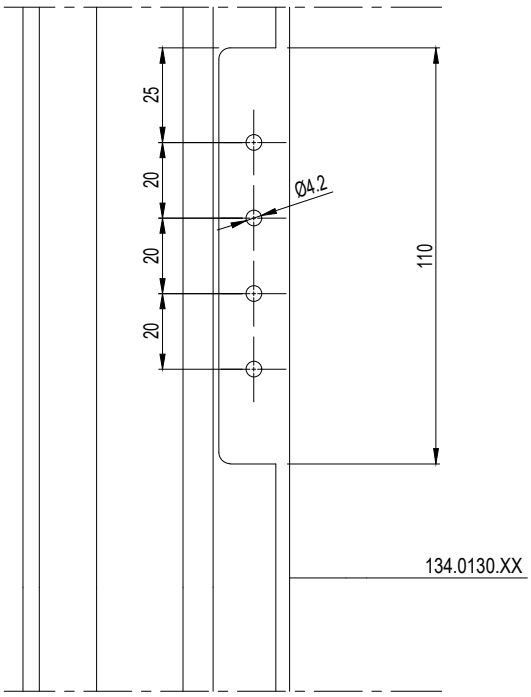


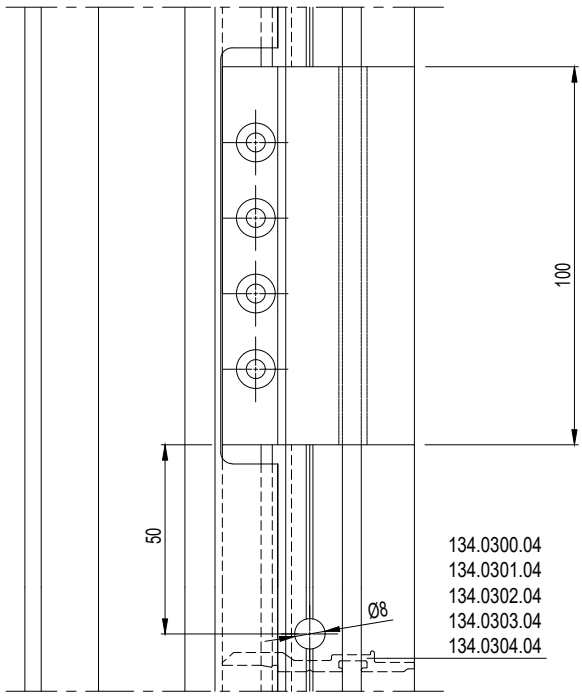
F

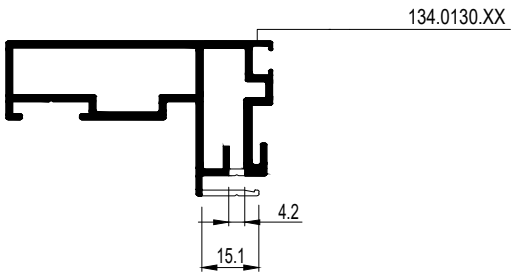
schaal - échelle
scale - Maßstab
1/2

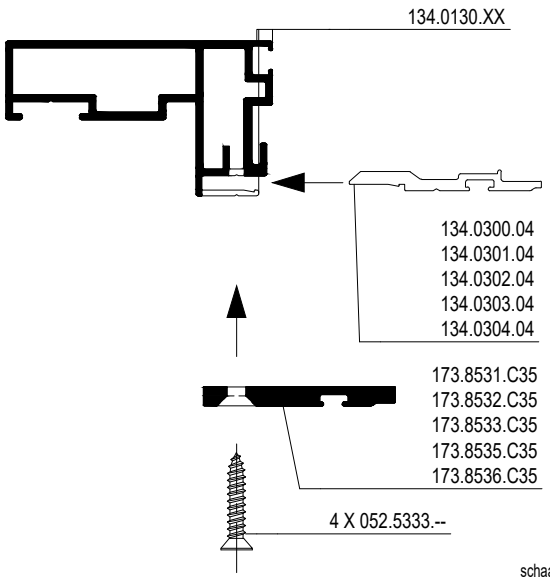
GLASSTEUN, MAX. GLASGEWICHT 165KG
SUPPORT CALE DE VITRAGE, POIDS MAX. DU VITRAGE 165KG
GLASS SUPPORT, MAX GLASS WEIGHT 165KG.
GLASAUFLAGE, MAX. GLASGEWICHT 165KG









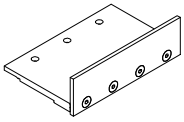


schaal - échelle
scale - Maßstab
1/2

F

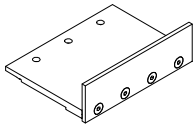
BUITENDRAAIEND ELEM UITVALBEVEILIGING SG
ELEM.OUVERTURE VERS L'EXT. SECURITE ANTI-CHUTE SG
OUTWARD OPENING WINDOW SECURITY AGAINST FALLING SG
AUSSEN OEFF. ELEM. AUSFALLSICHERUNG SG

173.8560.C35



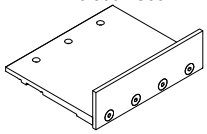
VOOR 24-34MM GLAS
POUR VITRAGE 24-34MM
FOR 24-34MM GLASS
FÜR 24-34MM GLAS

173.8561.C35



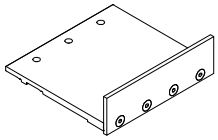
VOOR 35-41MM GLAS
POUR VITRAGE 35-41MM
FOR 35-41MM GLASS
FÜR 35-41MM GLAS

173.8562.C35

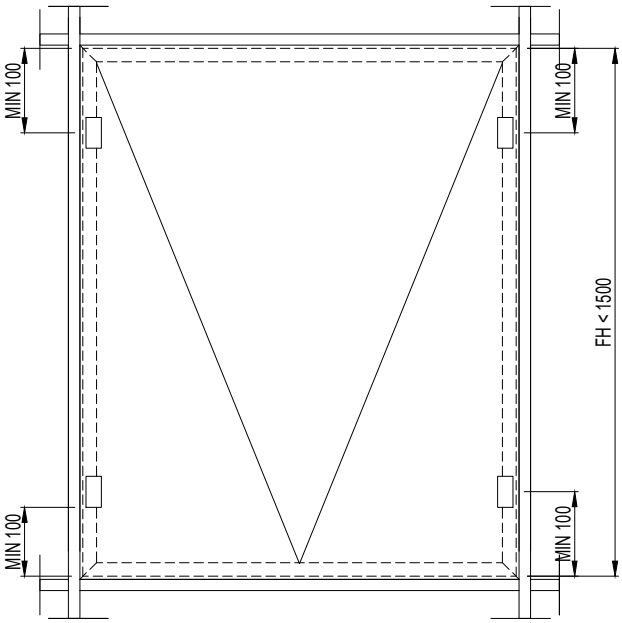


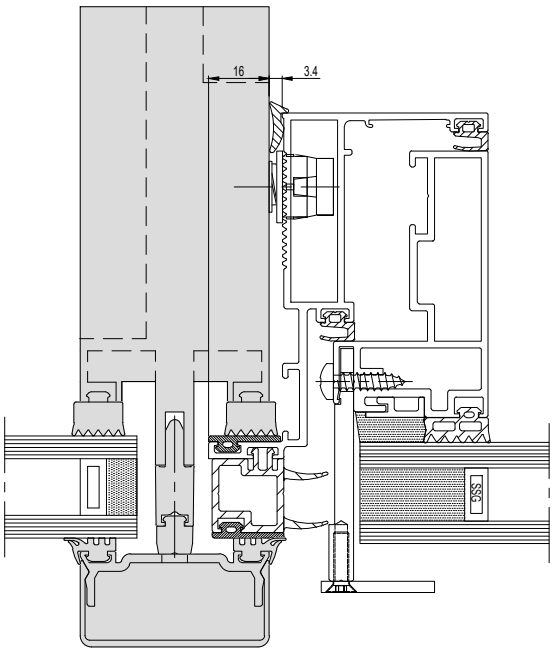
VOOR 51-54MM GLAS
POUR VITRAGE 51-54MM
FOR 51-54MM GLASS
FÜR 51-54MM GLAS

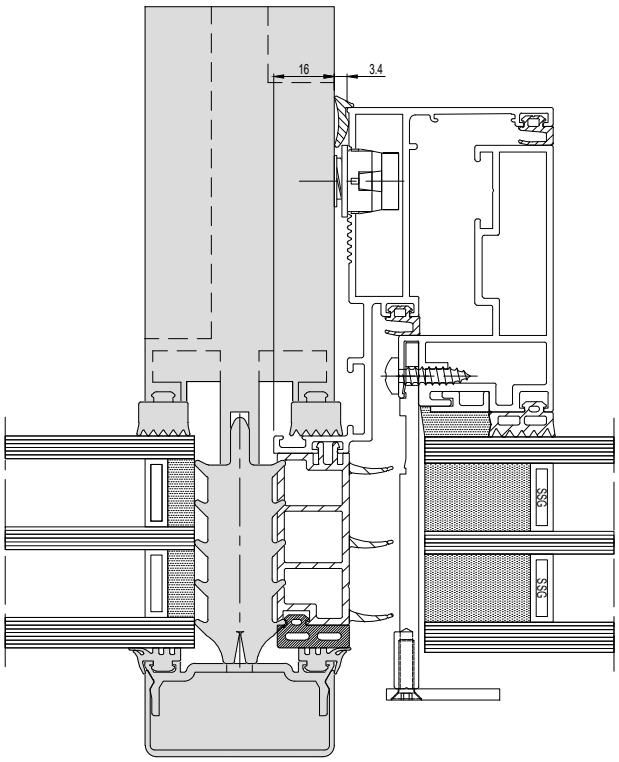
173.8563.C35



VOOR 55-62MM GLAS
POUR VITRAGE 55-62MM
FOR 55-62MM GLASS
FÜR 55-62MM GLAS



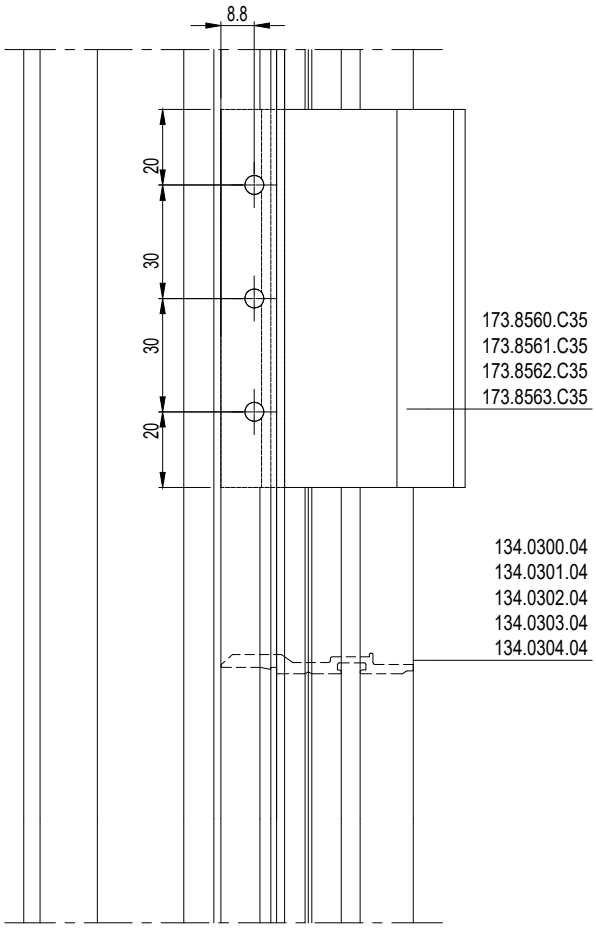


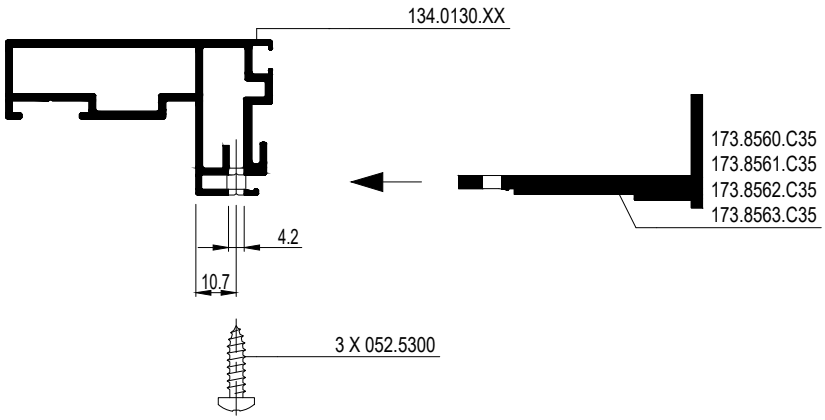


schaal - échelle
scale - Maßstab
1/2

F

BUITENDRAAIEND ELEM UITVALBEVEILIGING SG
ELEM.OUVERTURE VERS L'EXT. SECURITE ANTI-CHUTE SG
OUTWARD OPENING WINDOW SECURITY AGAINST FALLING SG
AUSSEN OEFF. ELEM. AUSFALLSICHERUNG SG

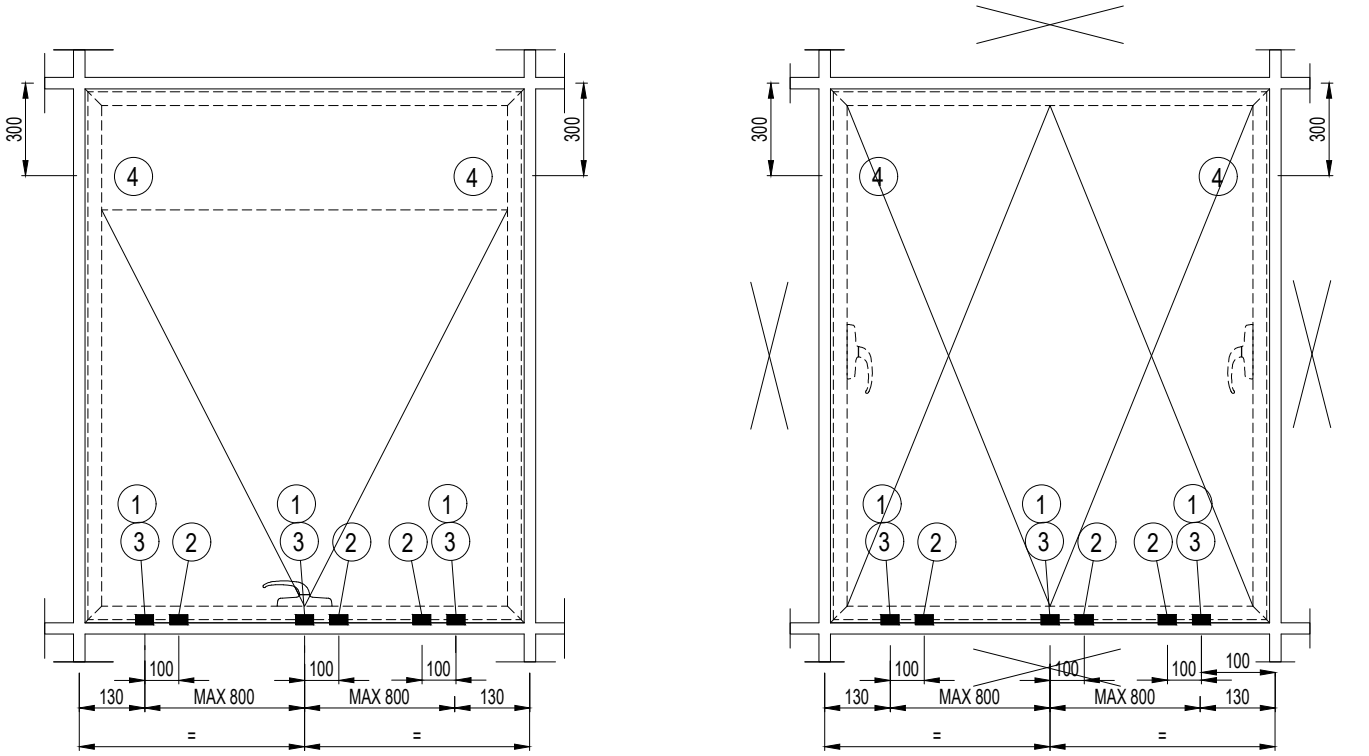


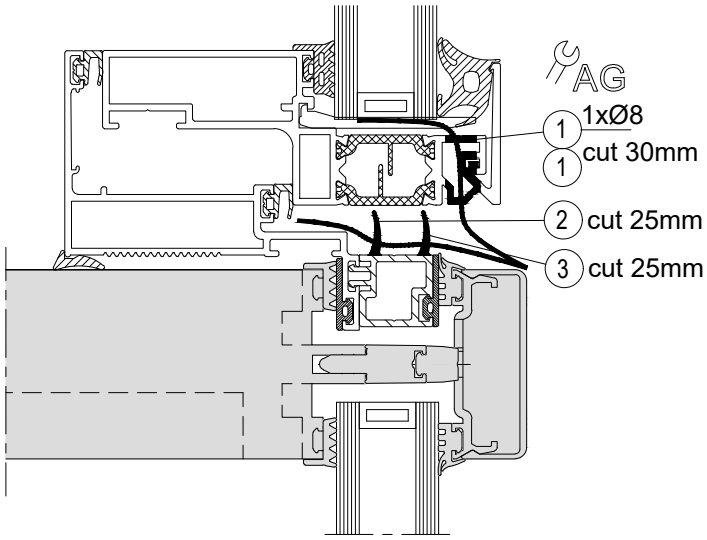


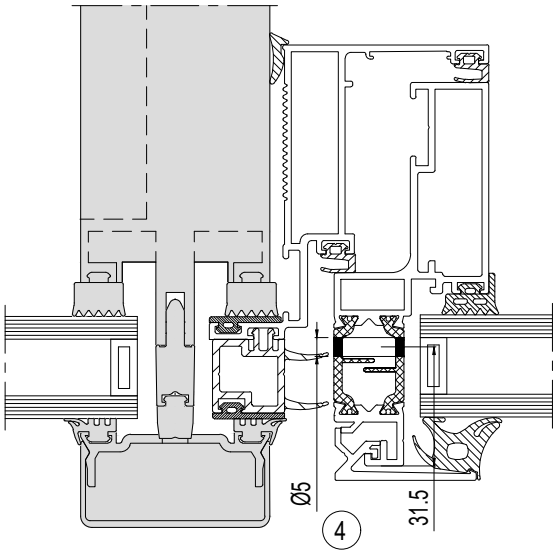
F

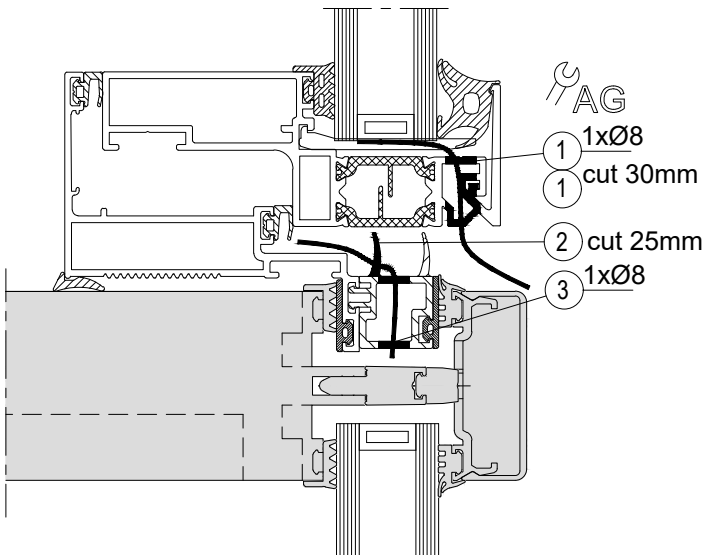
schaal - échelle
scale - Maßstab
1/2

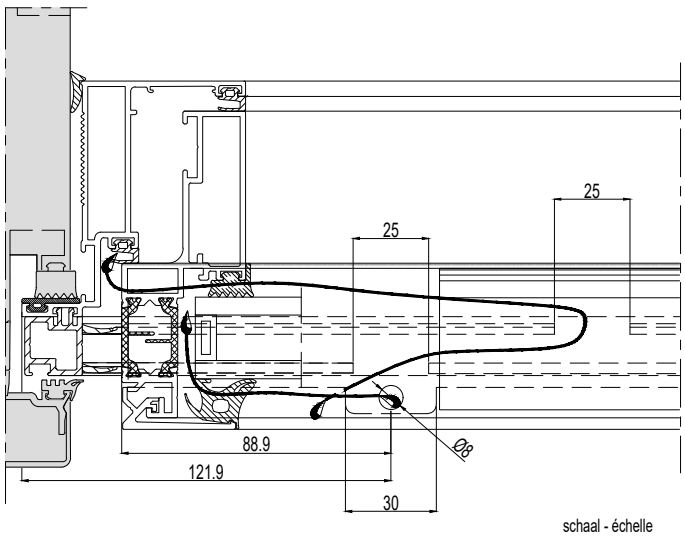
BUITENDRAAIEND ELEM ONTWATERING GB
ELEM.OUVERTURE VERS L'EXT. DRAINAGE GB
OUTWARD OPENING WINDOW DRAINAGE GB
AUSSEN OEFF. ELEM. ENTWAESSERUNG GB







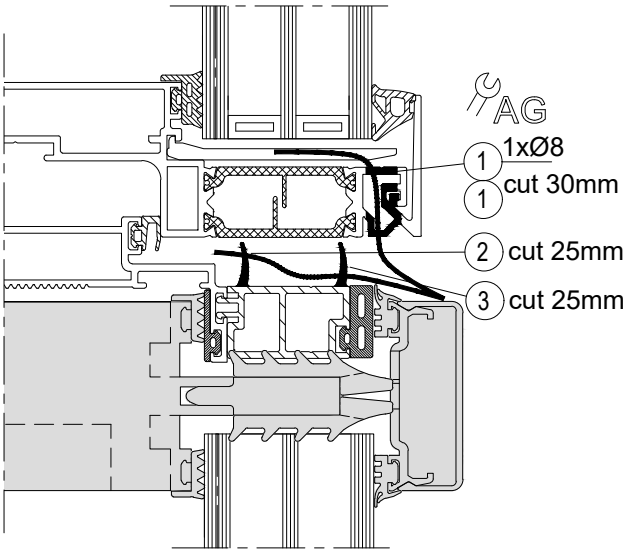


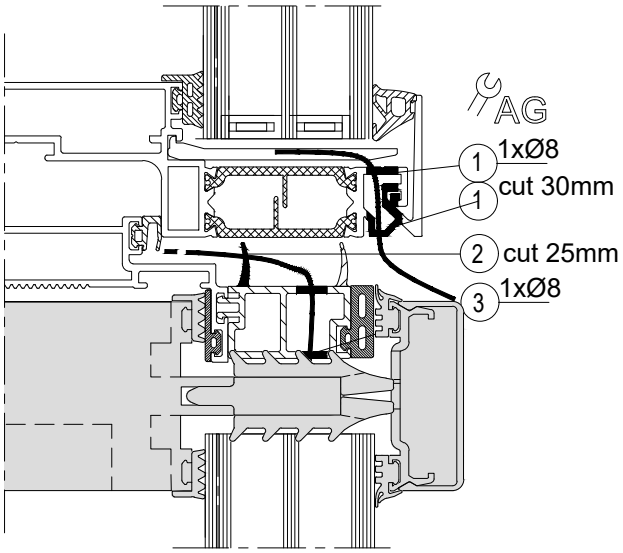


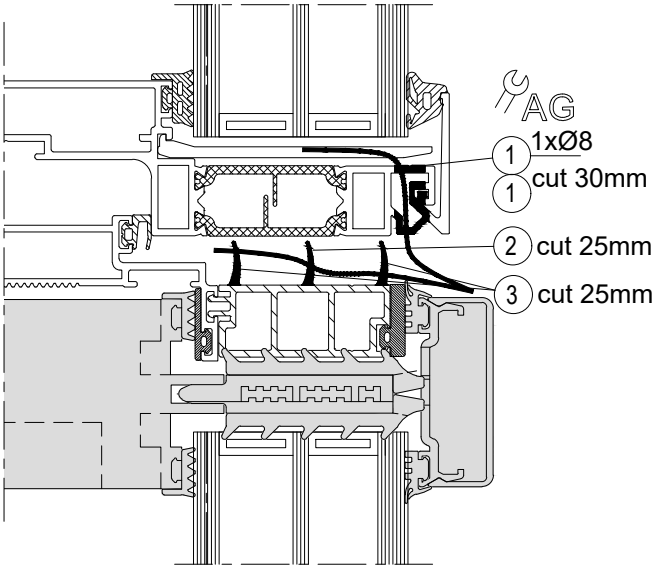
schaal - échelle
scale - Maßstab
1/2

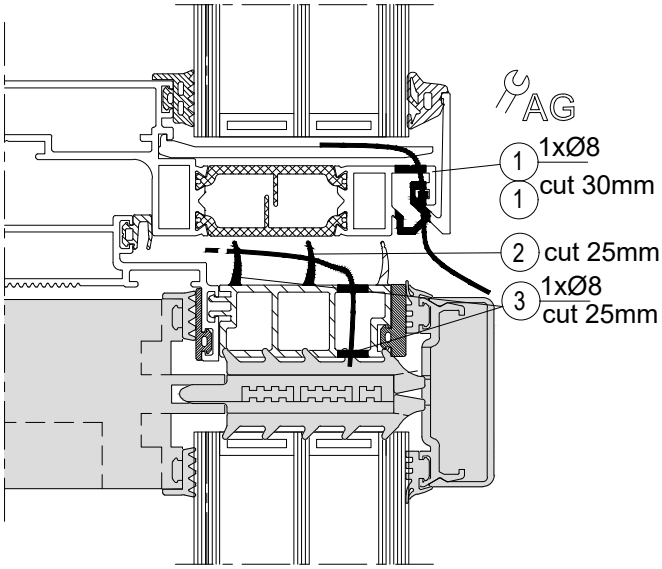
F

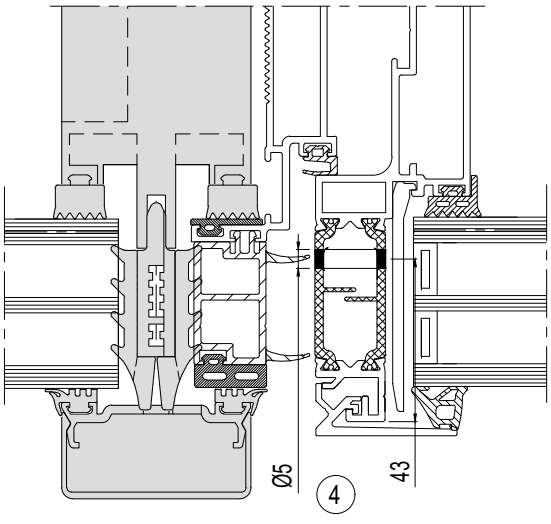
BUITENDRAAIEND ELEM ONTWATERING GB
ELEM.OUVERTURE VERS L'EXT. DRAINAGE GB
OUTWARD OPENING WINDOW DRAINAGE GB
AUSSEN OEFF. ELEM. ENTWAESSERUNG GB

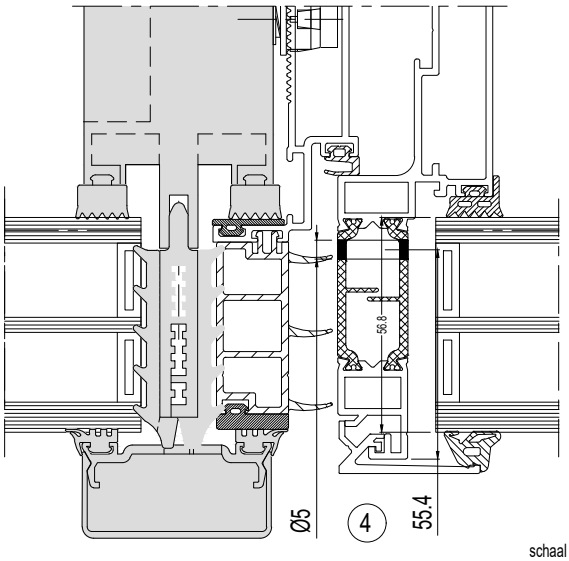








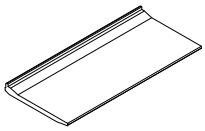




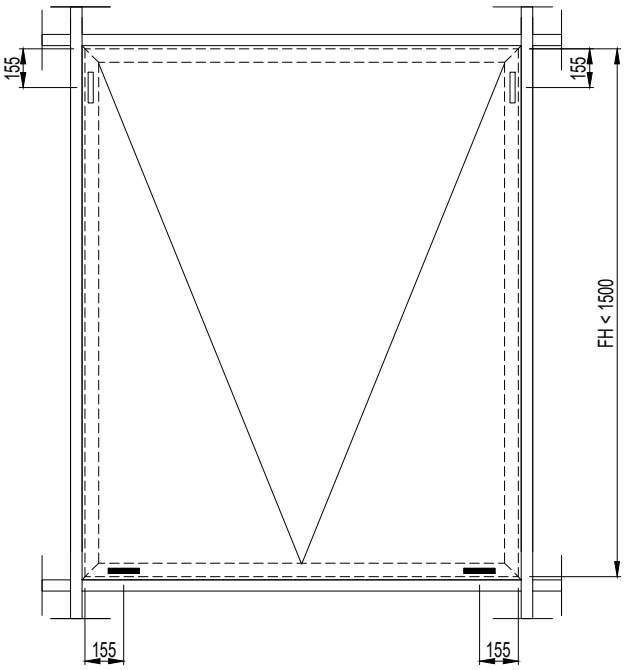
schaal - échelle
scale - Maßstab
1/2

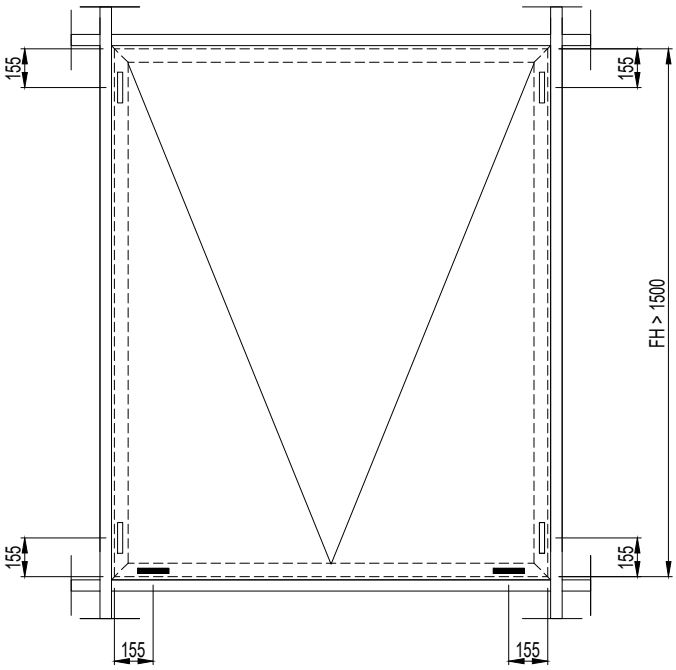
F

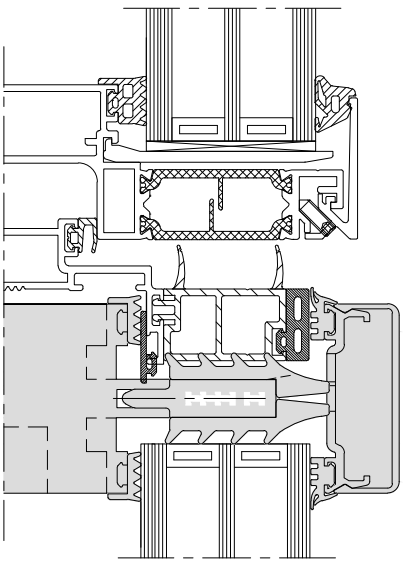
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL

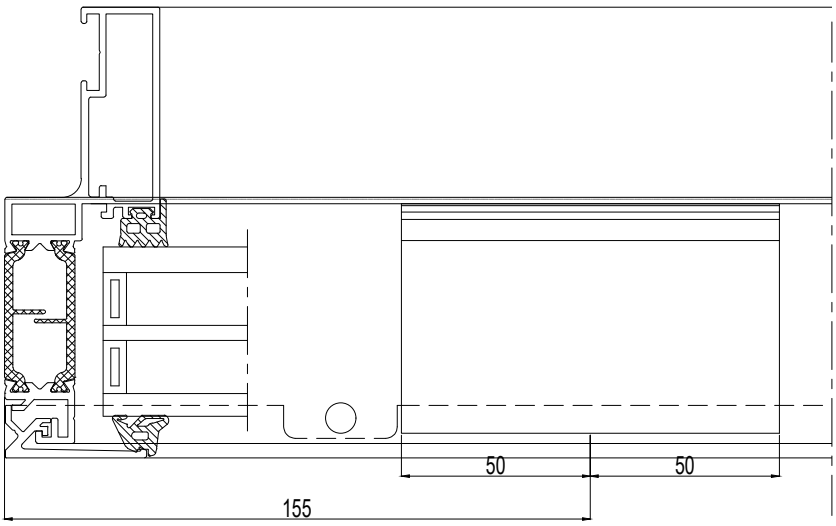


073.8400.00
073.8401.00
073.8402.00





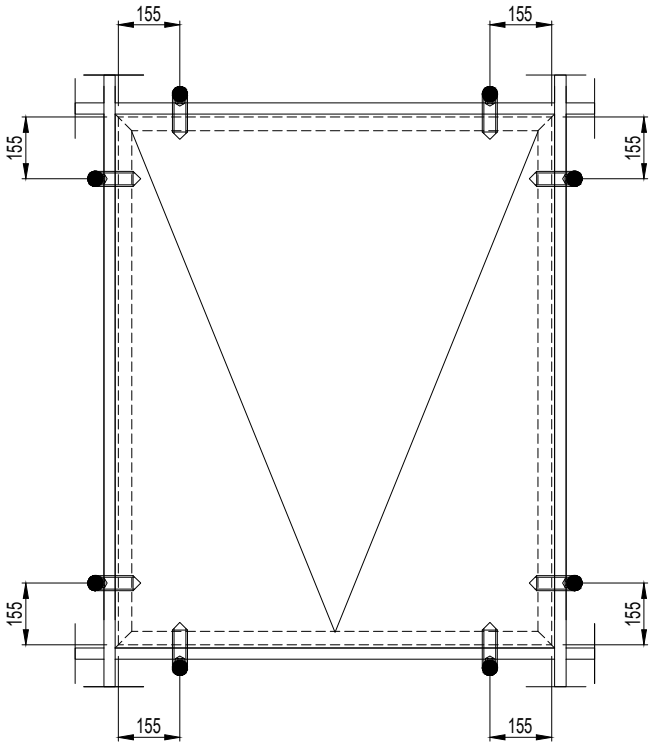


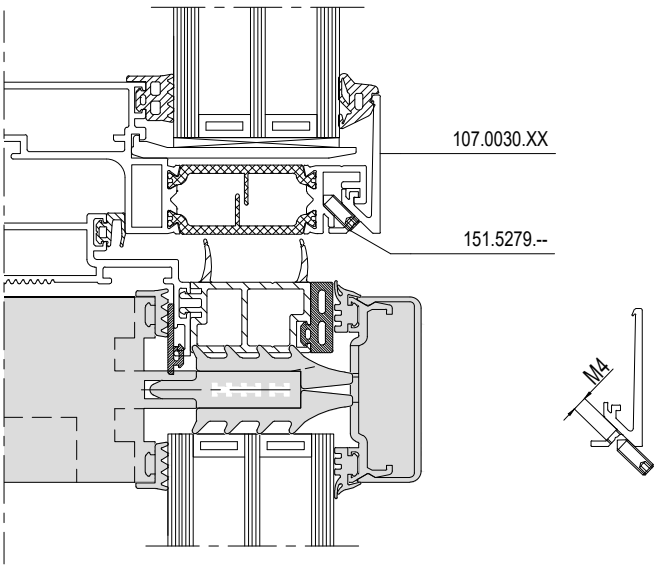


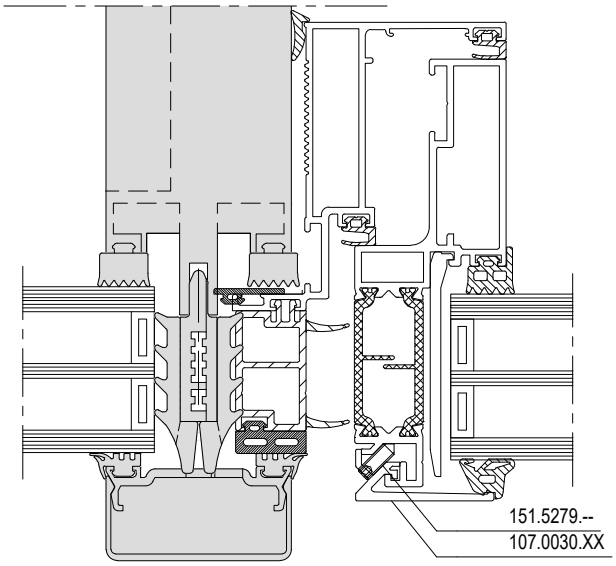
F

schaal - échelle
scale - Maßstab
1/2

GLASLATBEVEILIGING
SECURITE PARCLOSE
SECURITY DEVICE GLAZING BEAD
SICHERHEIT GLASLEISTE



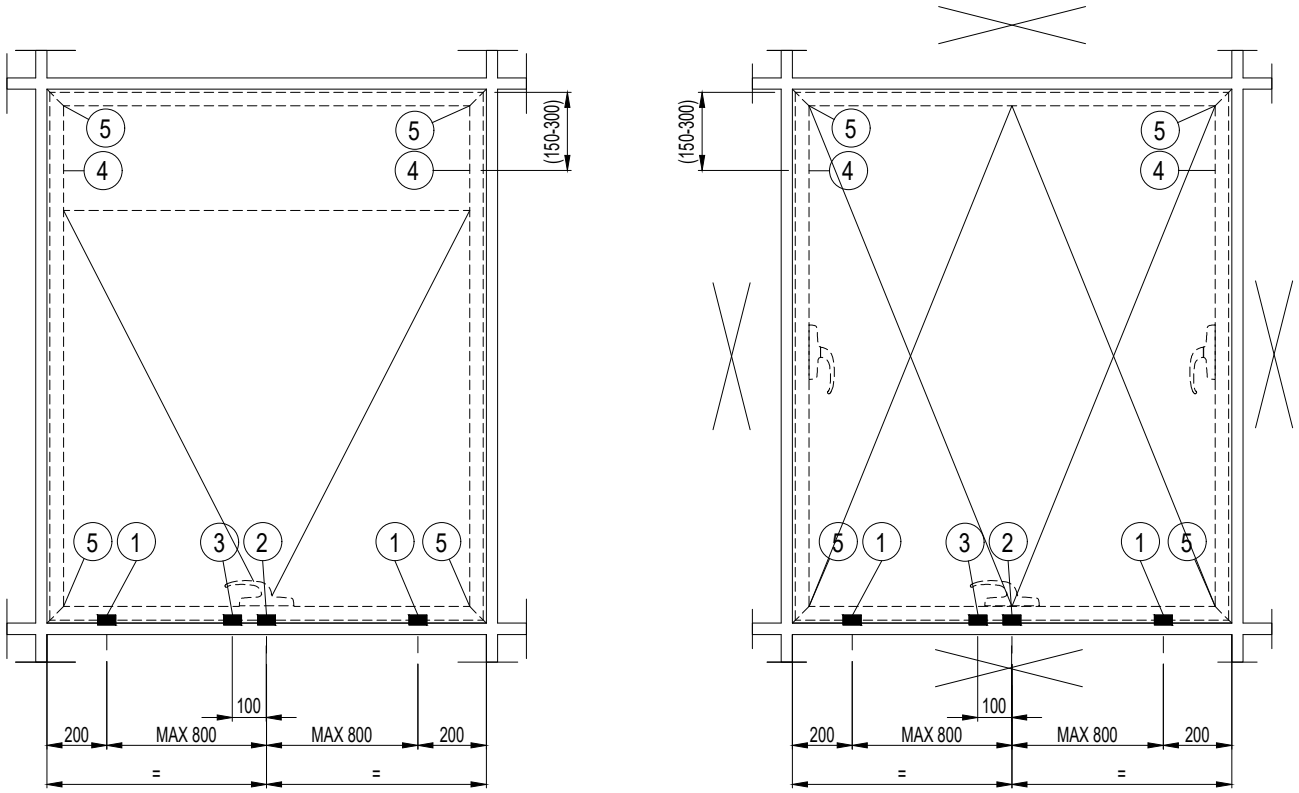


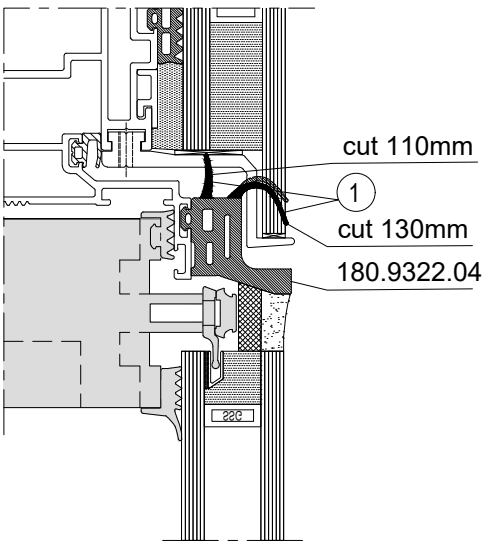


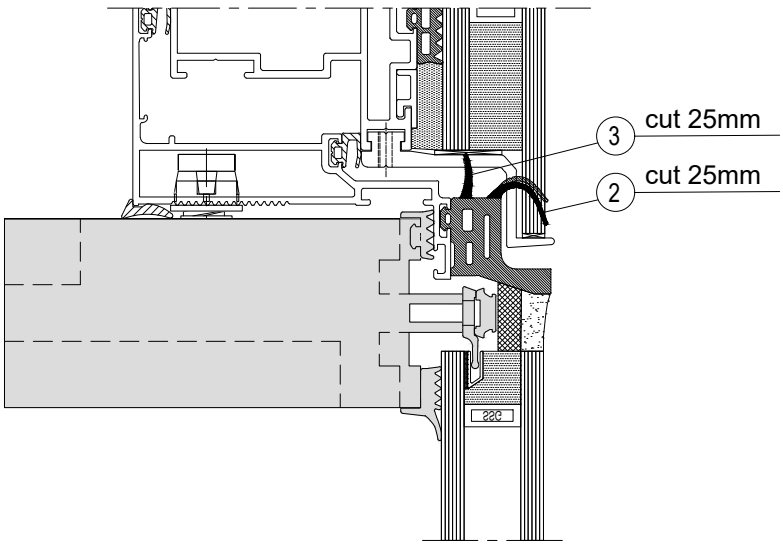
F

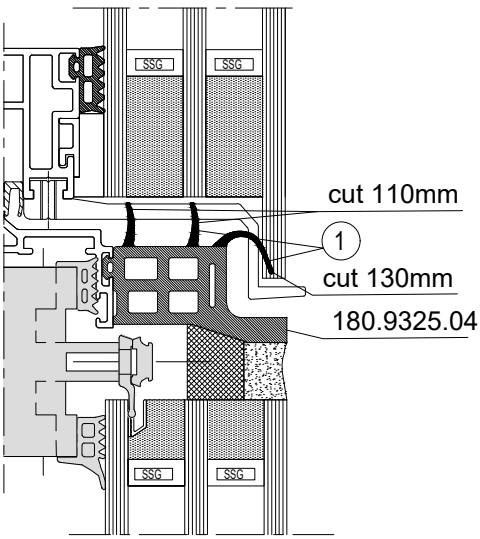
schaal - échelle
scale - Maßstab
1/2

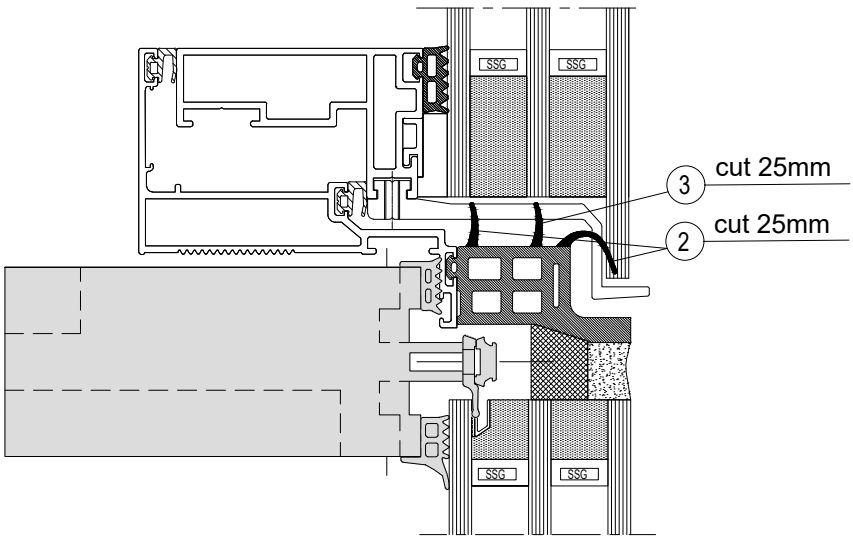
BUITENDRAAIEND ELEM ONTWATERING SGS
ELEM.OUVERTURE VERS L'EXT. DRAINAGE SGS
OUTWARD OPENING WINDOW DRAINAGE SGS
AUSSEN OEFF. ELEM. ENTWAESSERUNG SGS





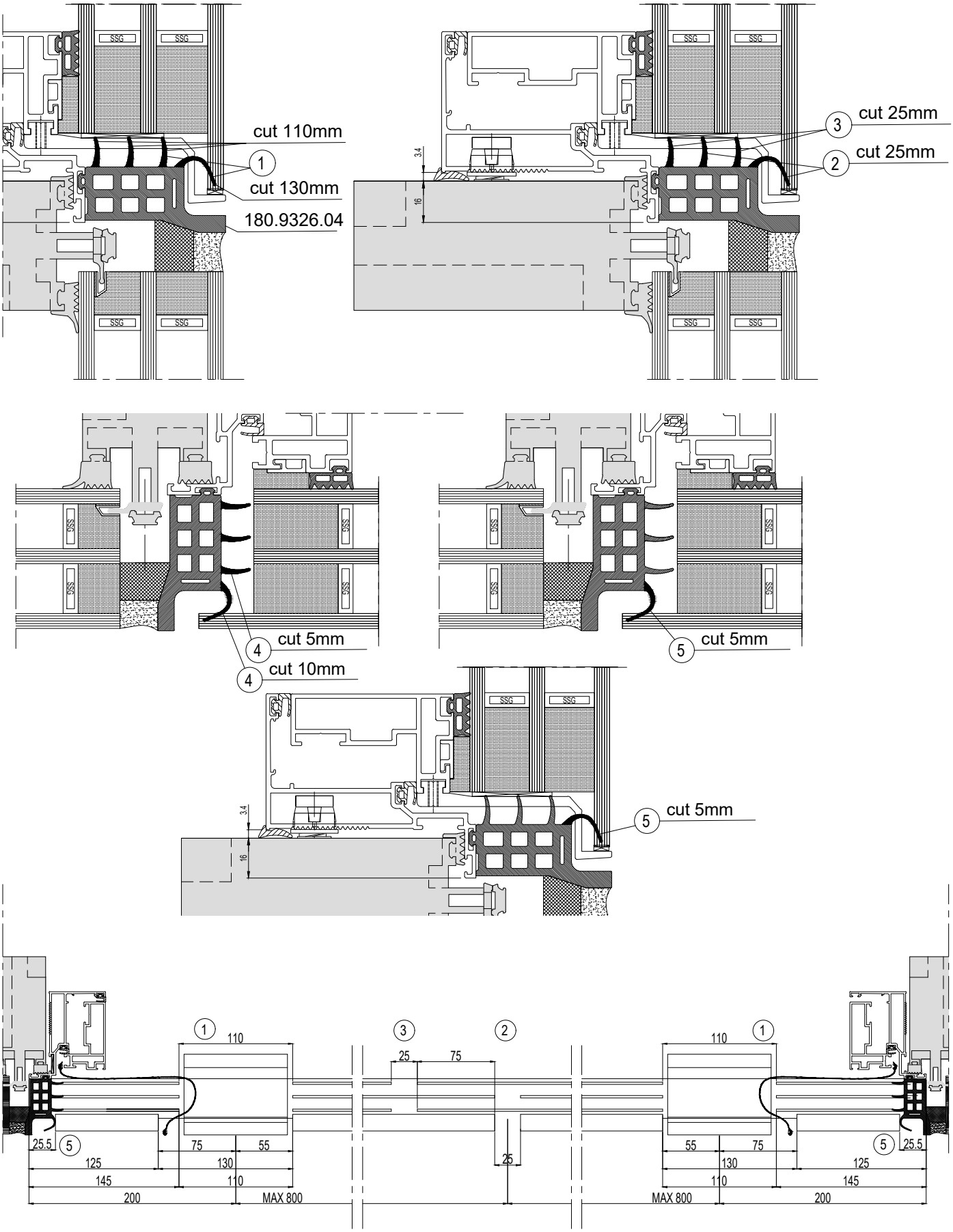






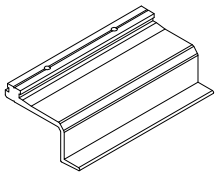
F

BUITENDRAAIEND ELEM ONTWATERING SGS
ELEM.OUVERTURE VERS L'EXT. DRAINAGE SGS
OUTWARD OPENING WINDOW DRAINAGE SGS
AUSSEN OEFF. ELEM. ENTWAESSERUNG SGS

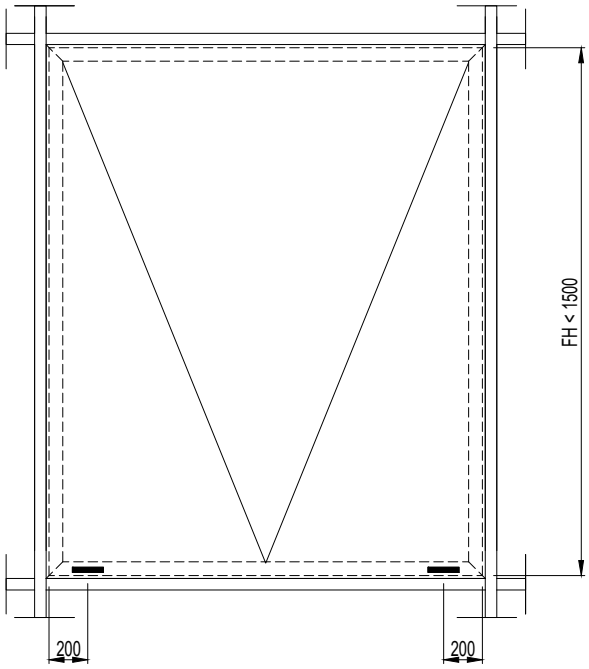


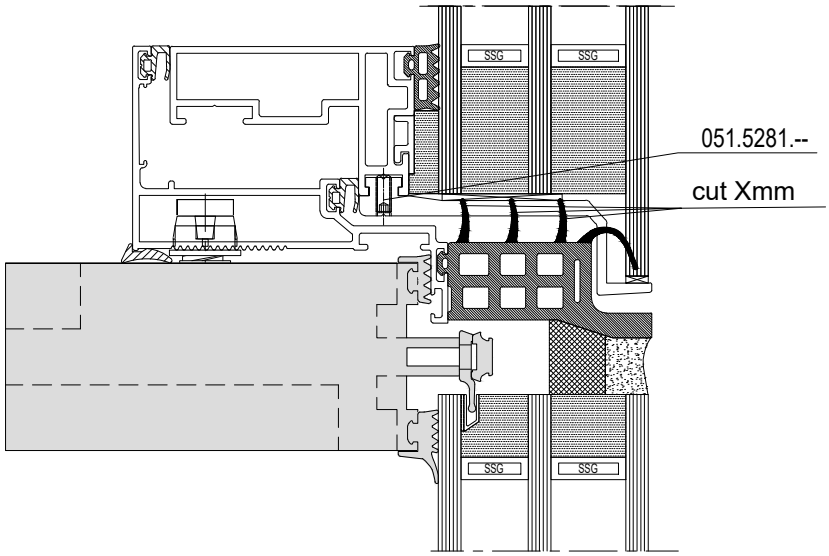
F

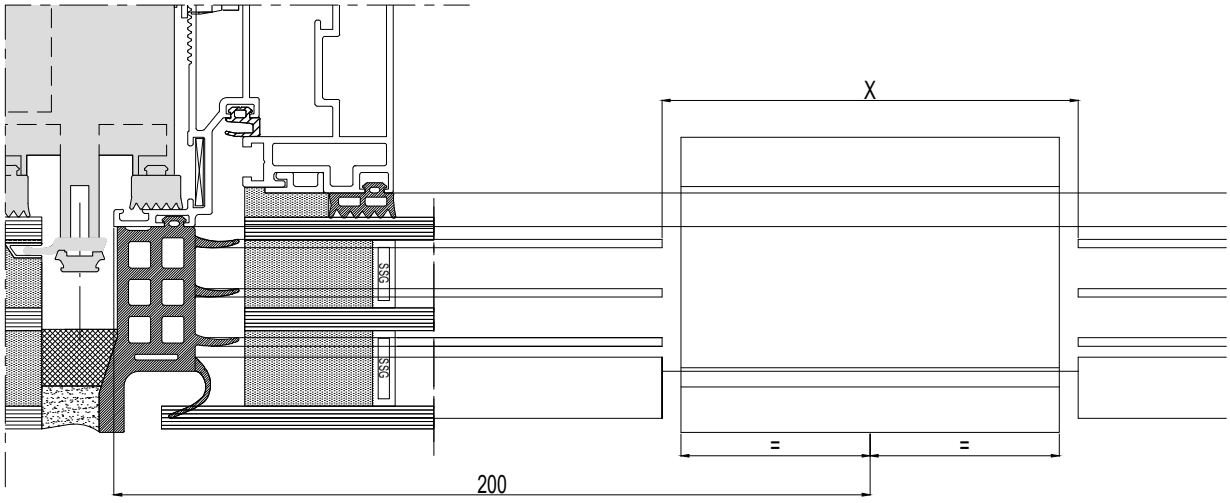
BUITENDRAAIEND ELEM GLASSTEUN SGS
ELEM.OUVERTURE VERS L'EXT. SUPPORT CALE DE VITRAGE SGS
OUTWARD OPENING WINDOW GLASS SUPPORT SGS
AUSSEN OEFF. ELEM. GLASAUFLAGEPROFIL SGS



		X
173.8511.C35	051.5281.--	110
173.8512.C35		
173.8513.C35		
173.8514.C35		150
173.8516.C35		170



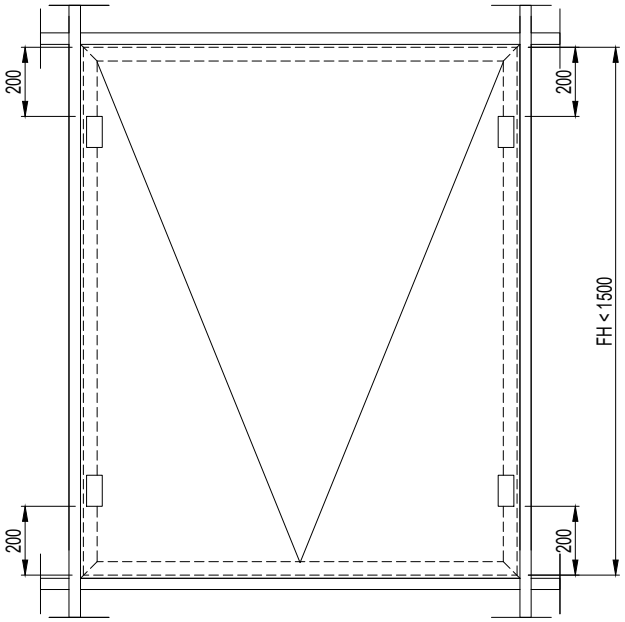


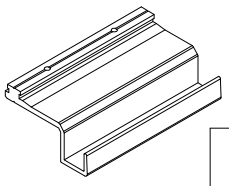


schaal - échelle
scale - Maßstab
1/2

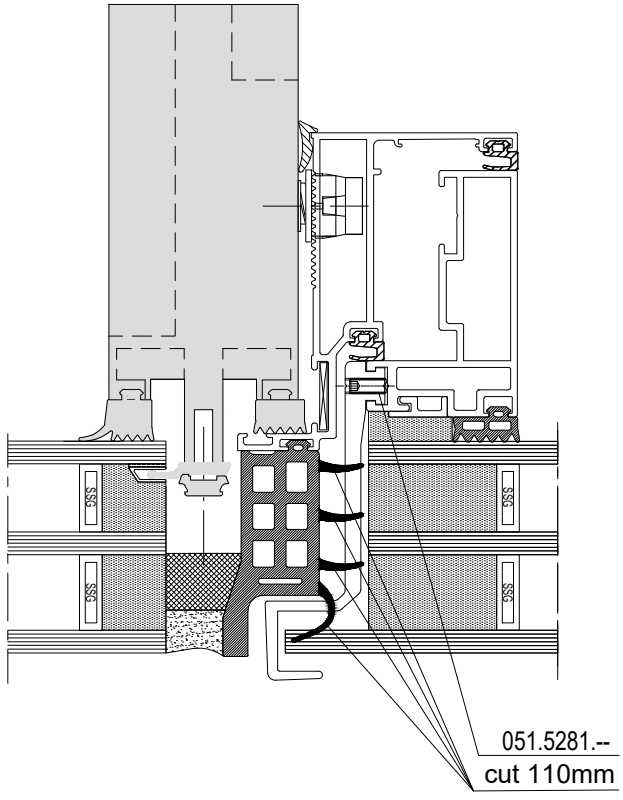
F

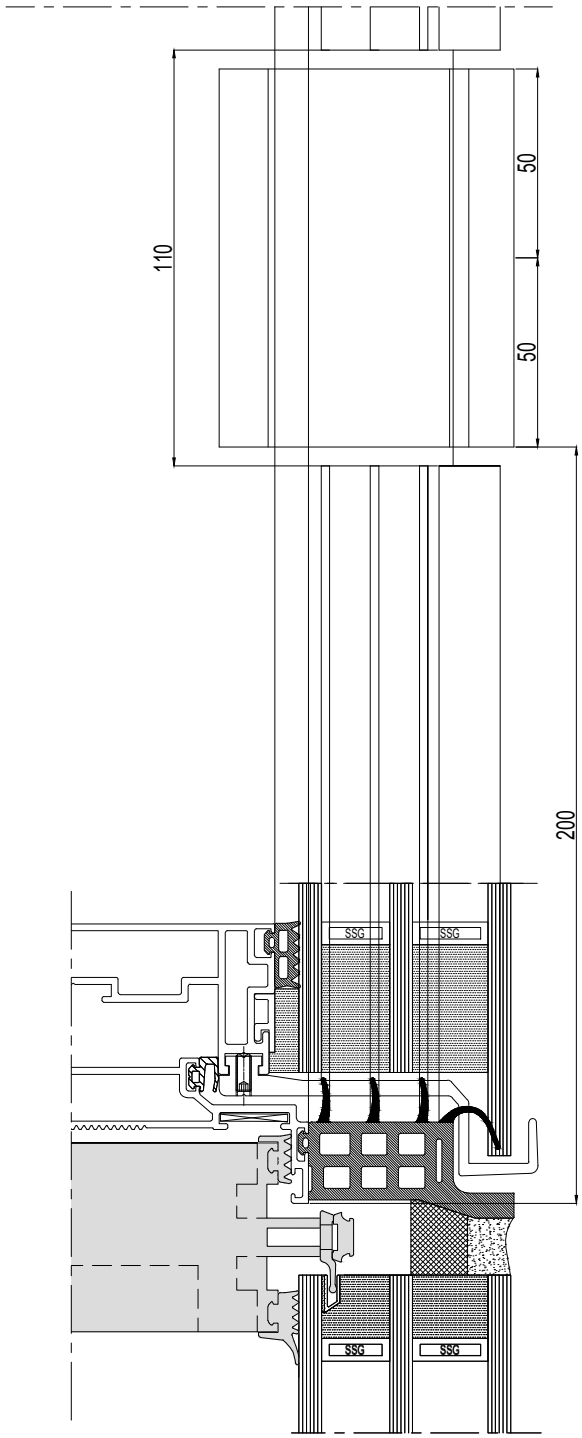
BUITENDRAAIEND ELEM UITVALBEVEILIGING SGS
ELEM.OUVERTURE VERS L'EXT. SECURITE ANTI-CHUTE SGS
OUTWARD OPENING WINDOW SECURITY AGAINST FALLING SGS
AUSSEN OEFF. ELEM. AUSFALLSICHERUNG SGS





173.8571.C35	051.5281.--
173.8573.C35	
173.8574.C35	
173.8576.C35	

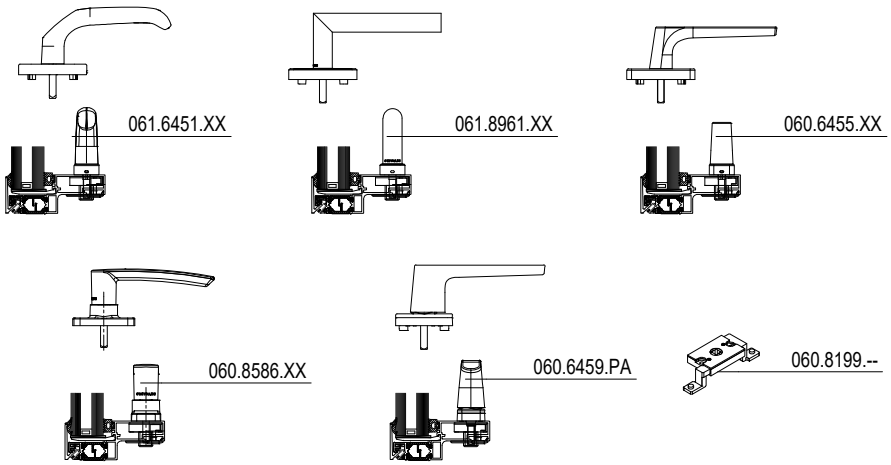


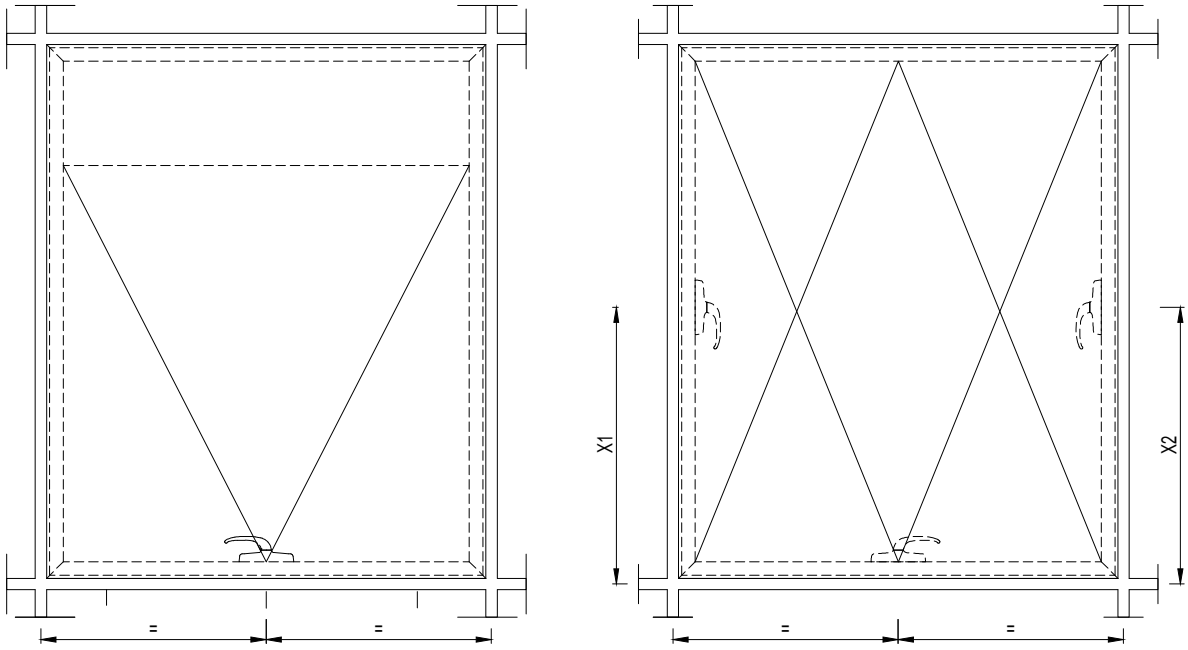


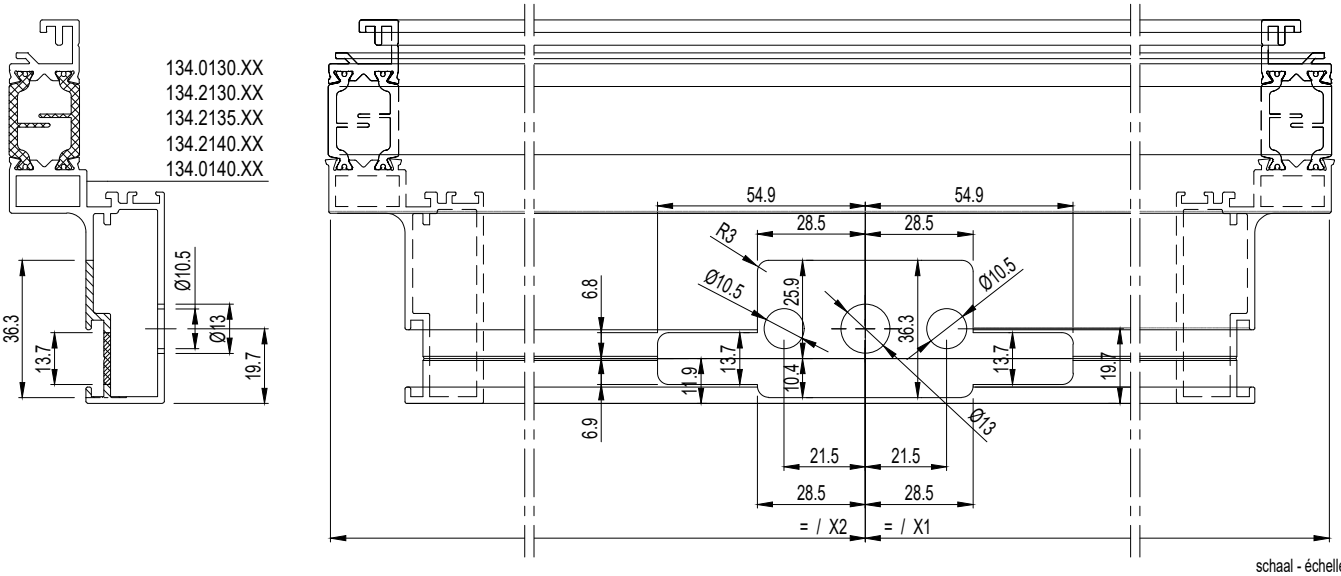
schaal - échelle
scale - Maßstab
1/2

F

BUITENDRAAIEND ELEM HENDEL
ELEM.OUVERTURE VERS L'EXT. POIGNEE
OUTWARD OPENING WINDOW HANDLE
AUSSEN OEFF. ELEM. HEBEL



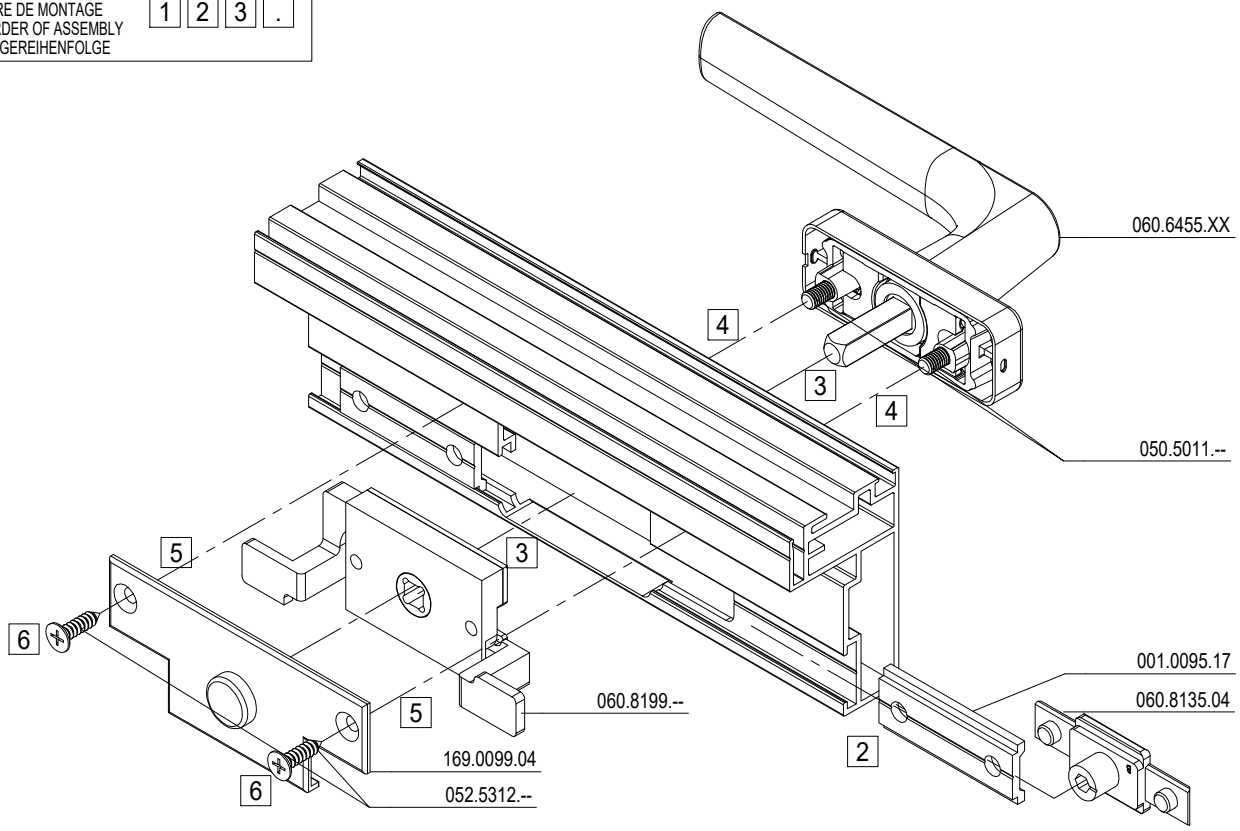


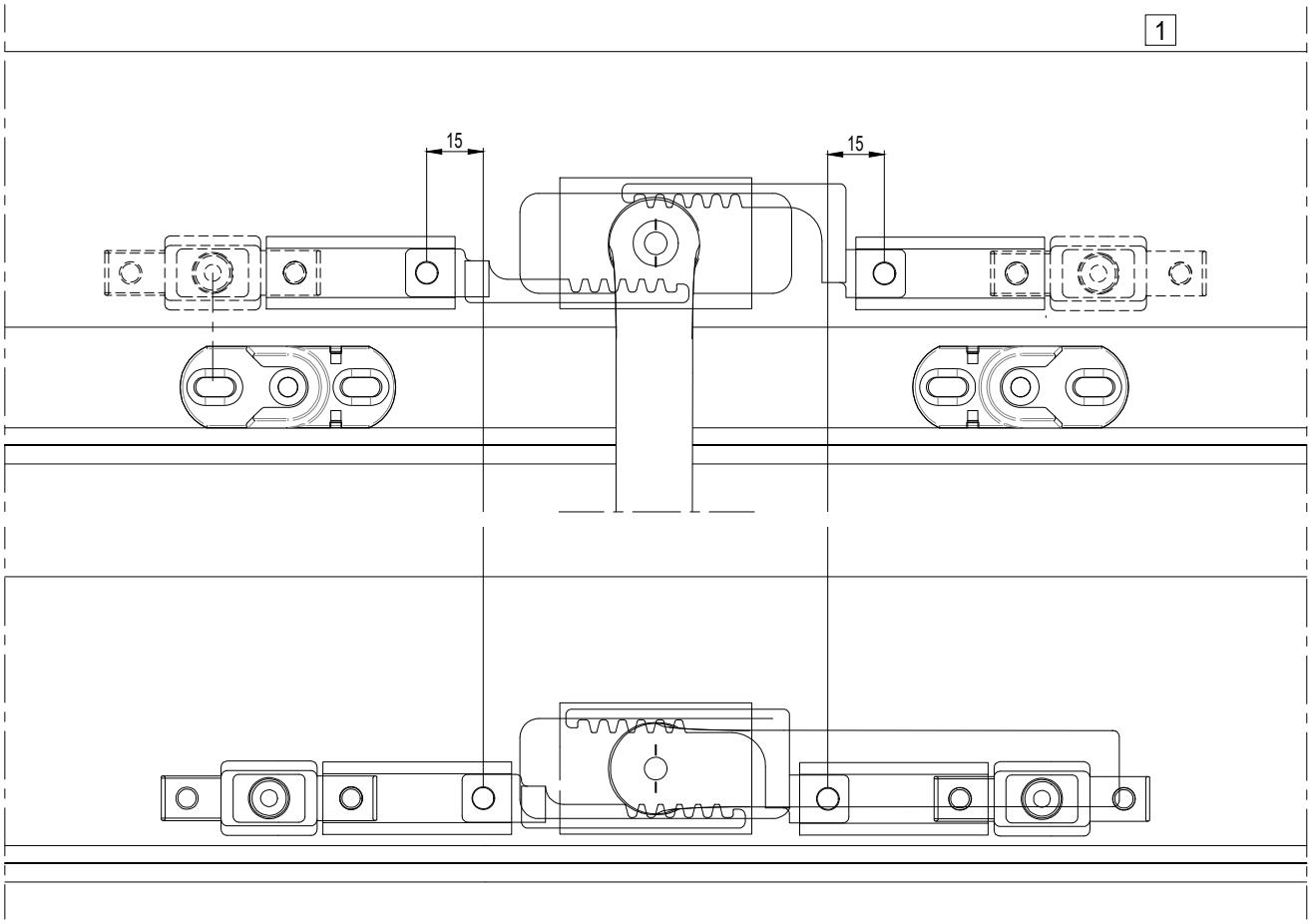


schaal - échelle
scale - Maßstab
1/2

BUITENDRAAIEND ELEM HENDEL
ELEM.OUVERTURE VERS L'EXT. POIGNEE
OUTWARD OPENING WINDOW HANDLE
AUSSEN OEFF. ELEM. HEBEL

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

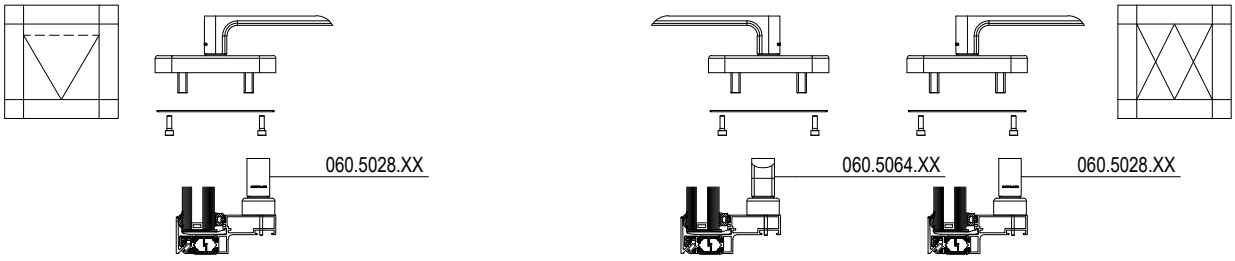


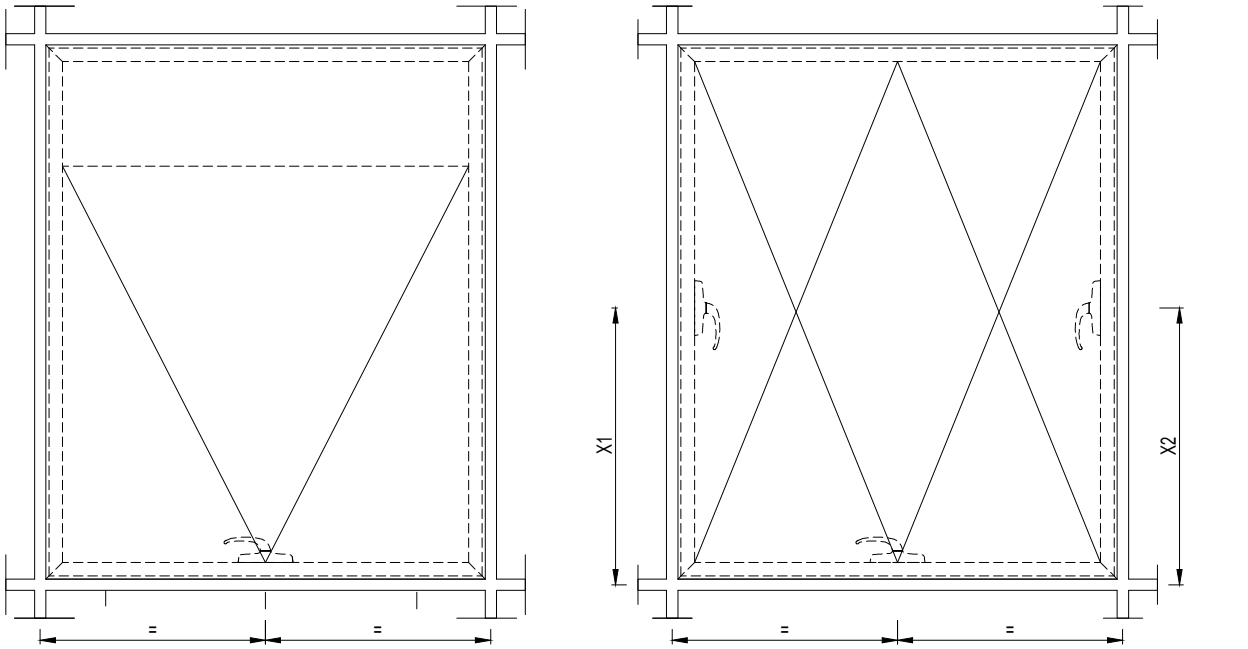


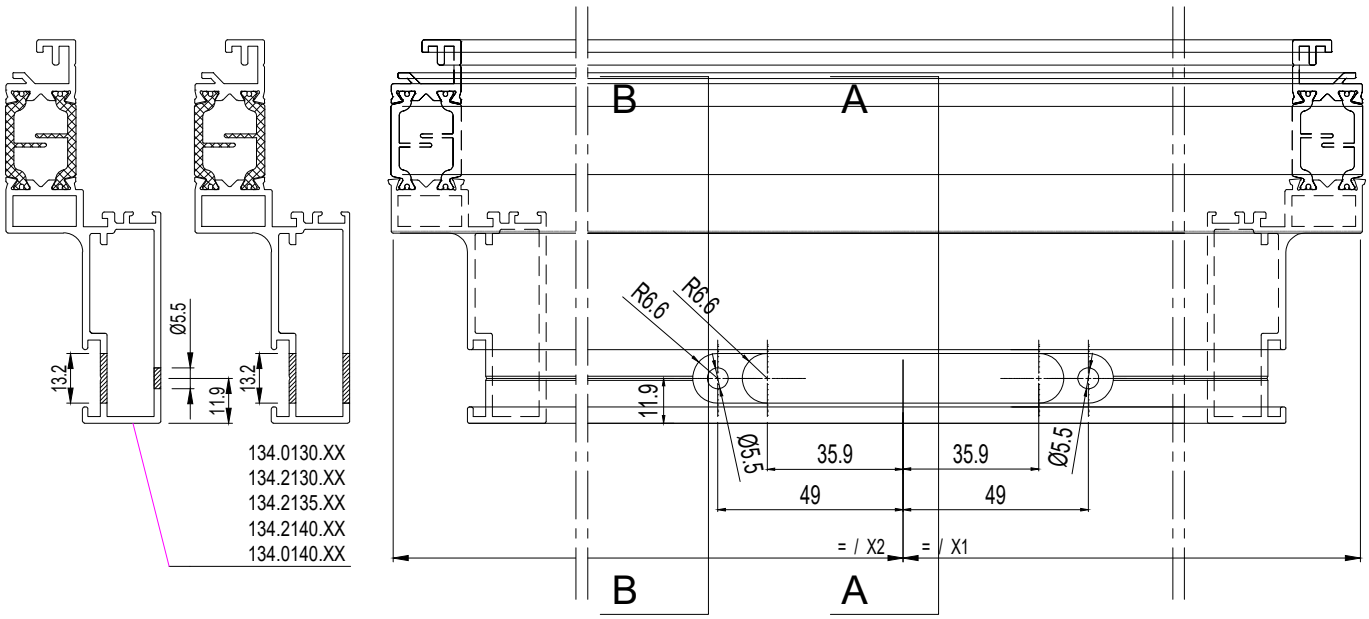
schaal - échelle
scale - Maßstab
1/2

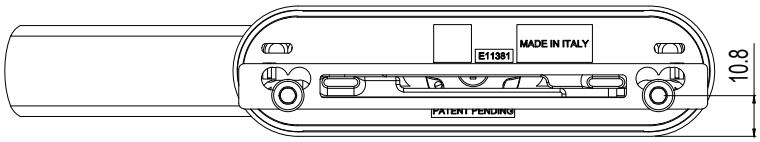
F

BUITENDRAAIEND ELEM ERRETI HENDEL
ELEM.OUVERTURE VERS L'EXT. ERRETI POIGNEE
OUTWARD OPENING WINDOW ERRETI HANDLE
AUSSEN OEFF. ELEM. ERRETI HEBEL



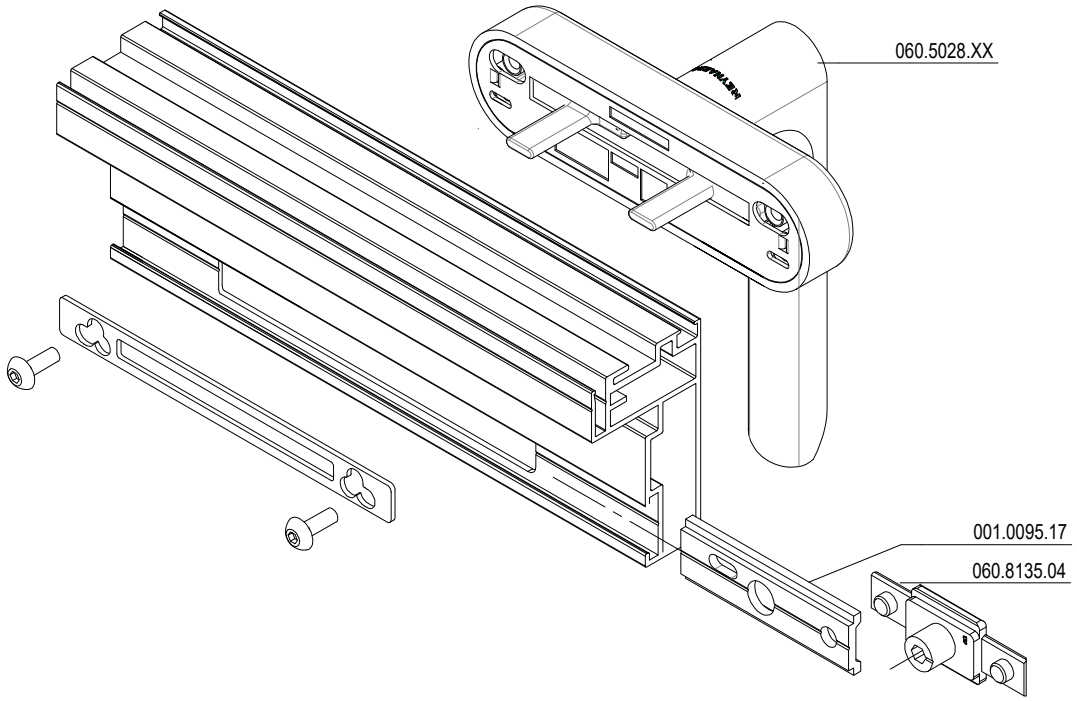




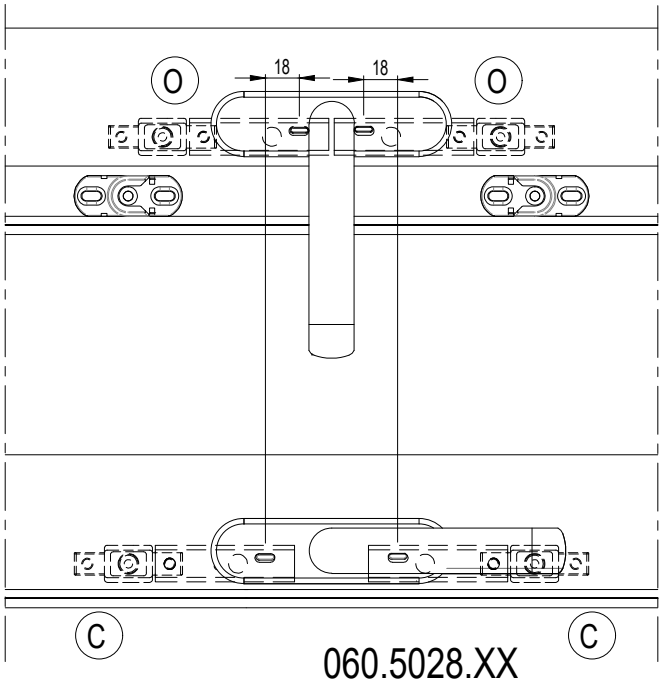


schaal - échelle
scale - Maßstab
1/2

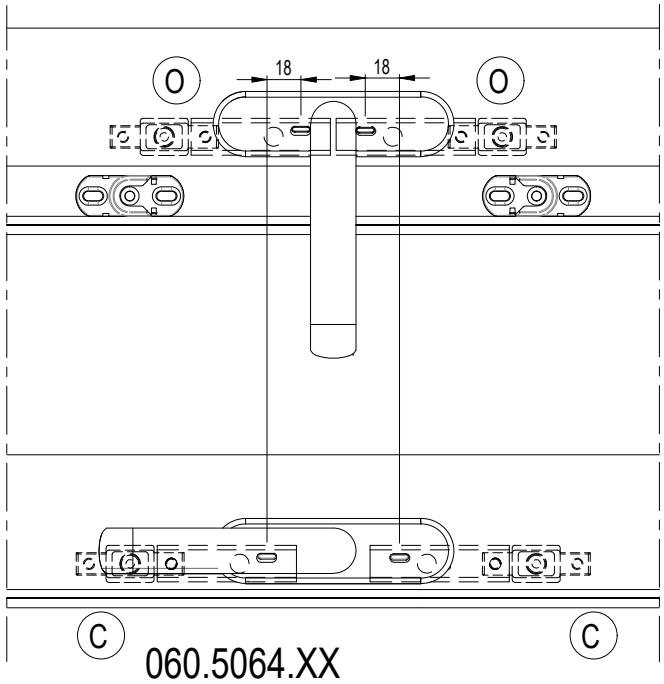
BUITENDRAAIEND ELEM ERRETI HENDEL
ELEM.OUVERTURE VERS L'EXT. ERRETI POIGNEE
OUTWARD OPENING WINDOW ERRETI HANDLE
AUSSEN OEFF. ELEM. ERRETI HEBEL



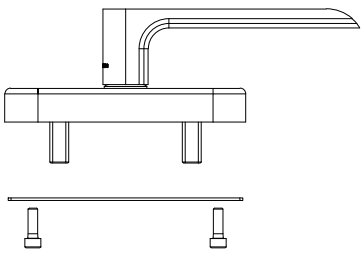
O	GEOPEND OUVERTE OPENED GEOEFFNET	C	GESLOTEN FERMEE CLOSED GESCHLOSSEN

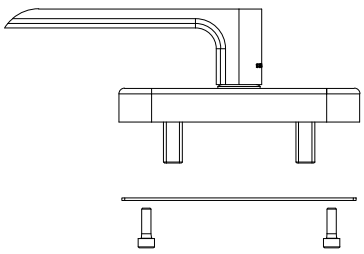


060.5028.XX



060.5064.XX



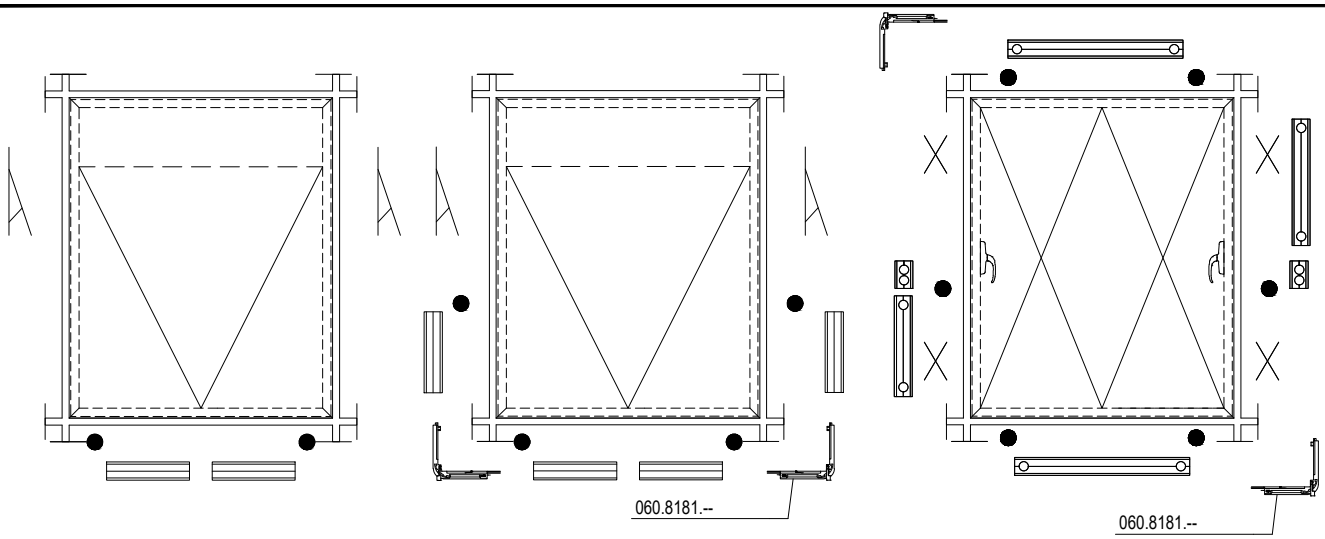


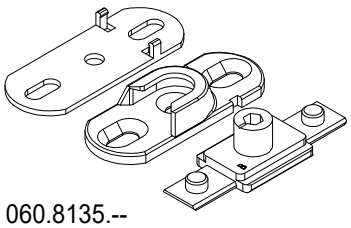
schaal - échelle
scale - Maßstab
1/2

F

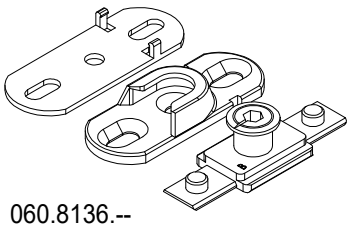
BUITENDRAAIEND ELEM HOEKOVERBRENGING/SLUITPUNTEN
ELEM.OUVERTURE VERS L'EXT. RENVOI D'ANGLE/POINTS DE FERM.
OUTWARD OPENING WINDOW CORNER REVERSING PART/LOCK. POINTS
AUSSEN OEFF. ELEM. ECKUMLENKUNG/SCHLIESSPUNKTEN

Reynaers Aluminium

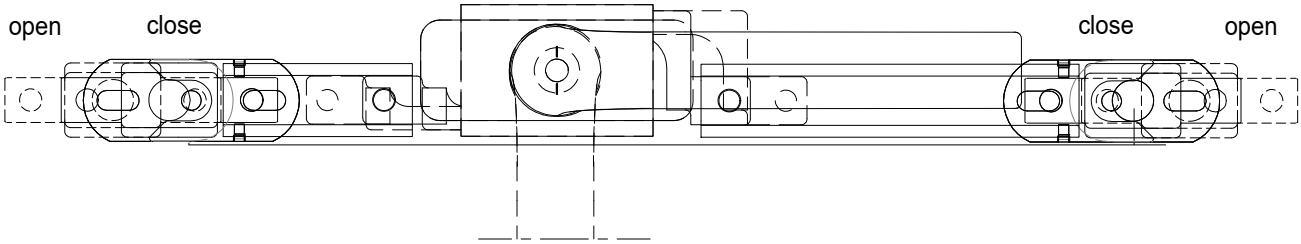


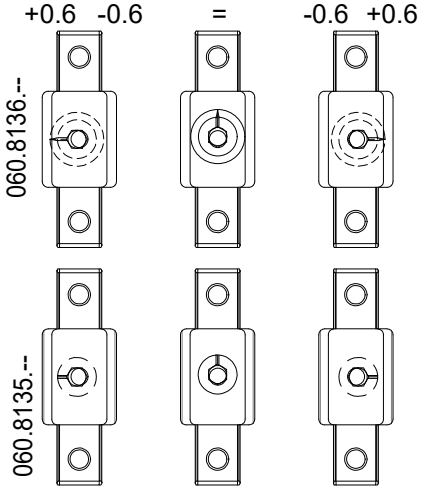


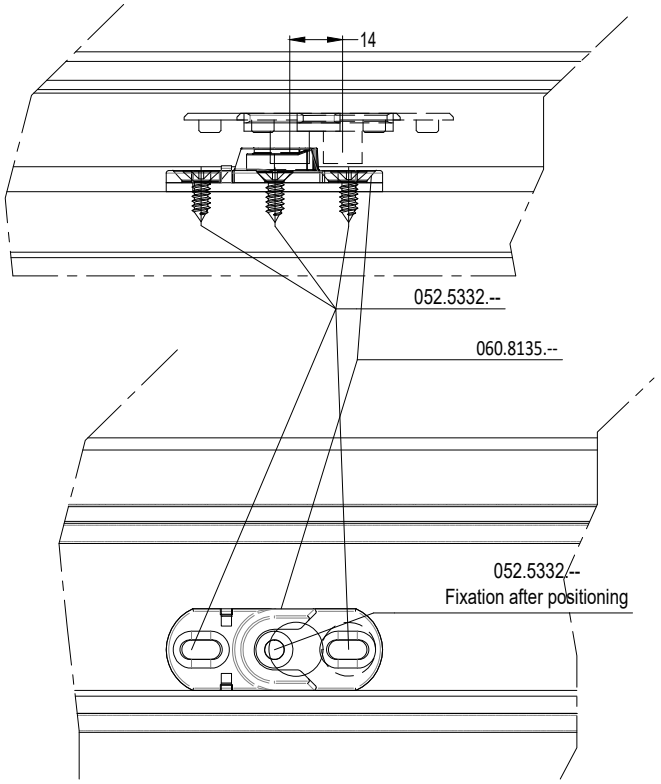
060.8135.--



060.8136.--





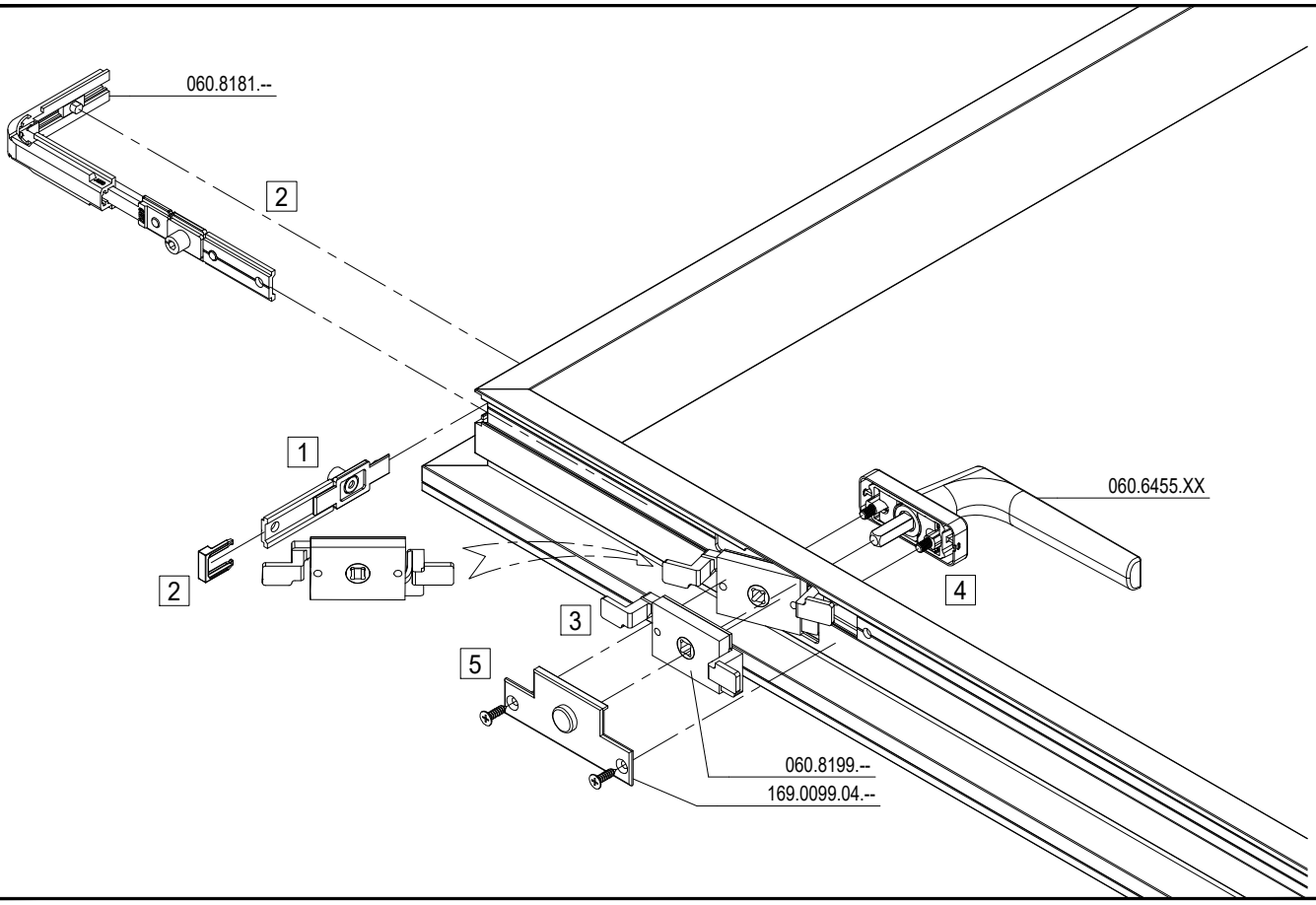


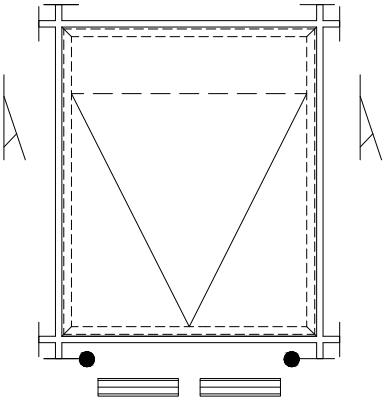
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

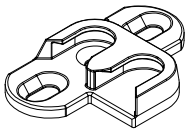
schaal - échelle
scale - Maßstab
1/2

F

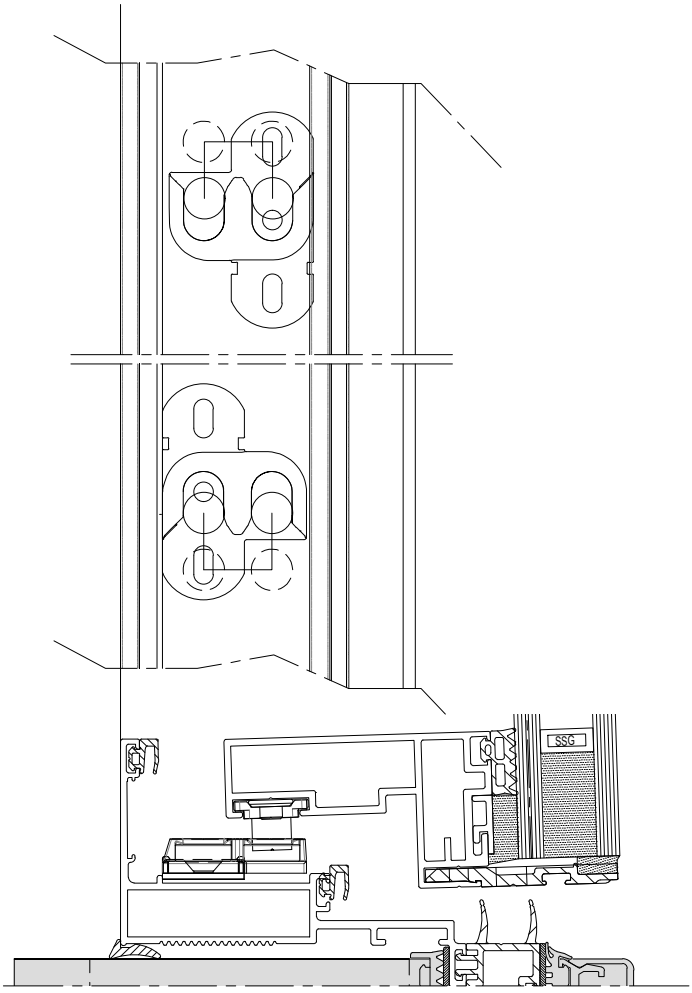
BUITENDRAAIEND ELEM HOEKOVERBRENGING/SLUITPUNTEN
ELEM.OUVERTURE VERS L'EXT. RENVOI D'ANGLE/POINTS DE FERM.
OUTWARD OPENING WINDOW CORNER REVERSING PART/LOCK. POINTS
AUSSEN OEFF. ELEM. ECKUMLENKUNG/SCHLIESSPUNKTEN







060.8143.--



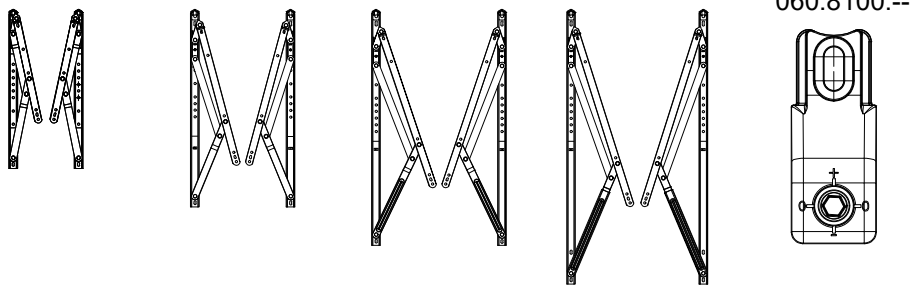
schaal - échelle
scale - Maßstab
1/2

F

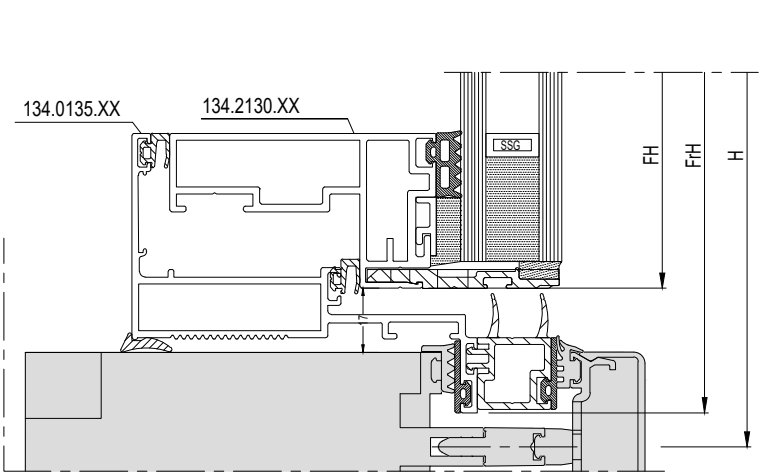
MIN/MAX AFMETINGEN THW CALDWELL
DIMENSIONS MIN/MAX THW CALDWELL
MIN/MAX SIZES THW CALDWELL
MIN/MAX MASSE THW CALDWELL

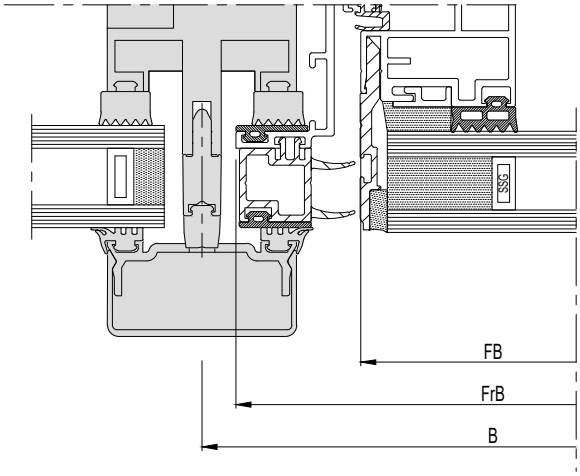
Reynaers Aluminium

060.8104.-- 060.8105.-- 060.8106.-- 060.8107.-- 060.8100.--

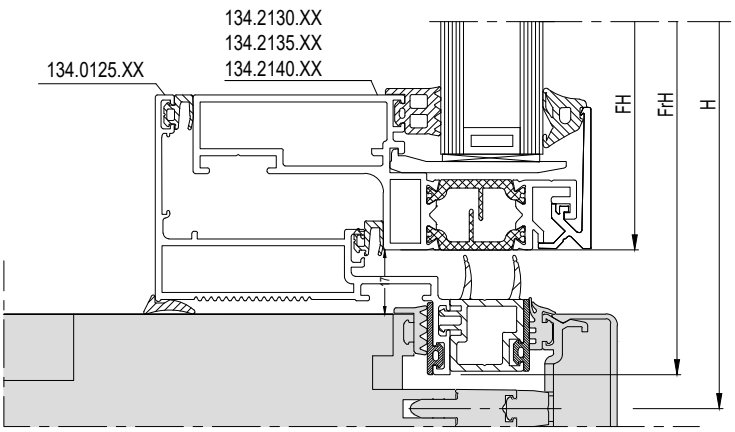


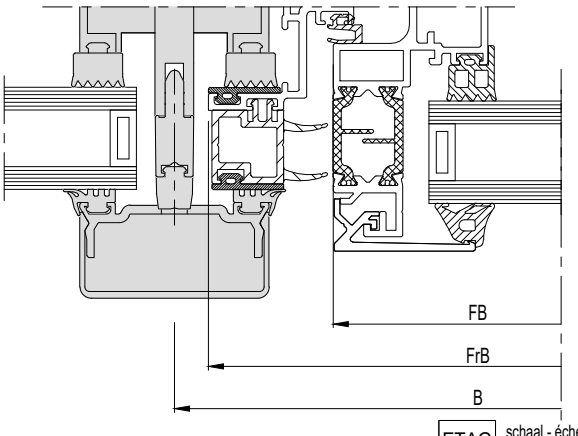
glass thicknesss	24-41		51-62			
SG	FH MIN	FH MAX	FH MIN	FH MAX	angle	FG MAX
060.8104.--	500	600	---	---	49°	56 kg
060.8105.--	600	1100	600	1100	25°	85 KG
060.8106--	1100	1500	1100	1500	22°	109 KG
060.8107.--	1500	2200	1500	2200	20°	140 KG





glass thicknesss	24-62			
GB	FH MIN	FH MAX	angle	FG MAX
060.8104.--	500	600	49°	56 kg
060.8105.--	600	1100	25°	85 KG
060.8106--	1100	1500	22°	109 KG
060.8107.--	1500	2200	20°	140 KG

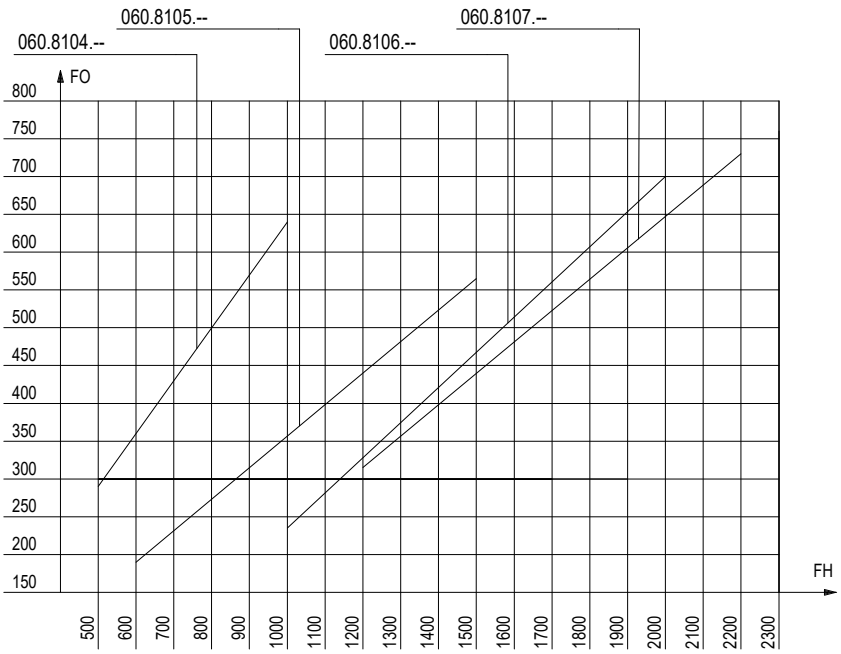


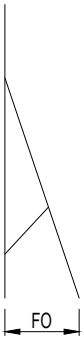


ETAG 002

schaal - échelle
scale - Maßstab
1/2

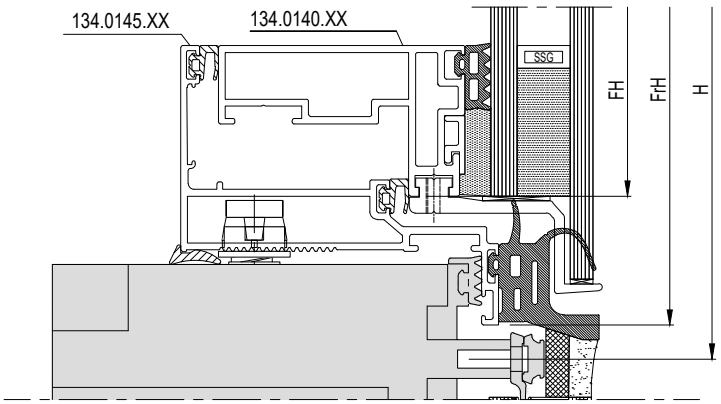
MIN/MAX AFMETINGEN THW CALDWELL
DIMENSIONS MIN/MAX THW CALDWELL
MIN/MAX SIZES THW CALDWELL
MIN/MAX MASSE THW CALDWELL

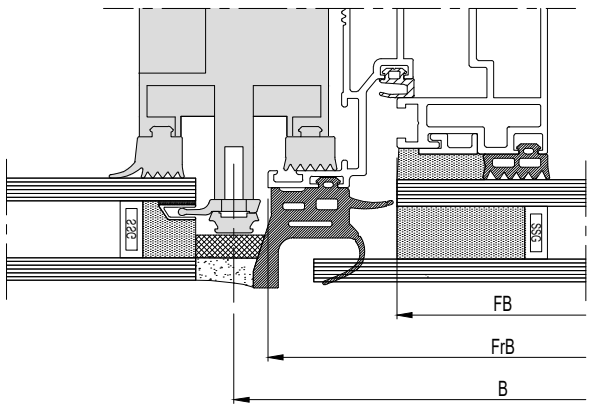




Raamopening onderaan
Ouverture pour fenêtre en bas
Window opening below
Fensteröffnung an der Unterseite

glass thicknesss	27-36		48-59			
SGS	FH MIN	FH MAX	FH MIN	FH MAX	angle	FG MAX
060.8104.--	500	600	---	---	49°	56 kg
060.8105.--	600	1100	600	1100	25°	85 KG
060.8106--	1100	1500	1100	1500	22°	109 KG
060.8107.--	1500	2200	1500	2200	20°	140 KG



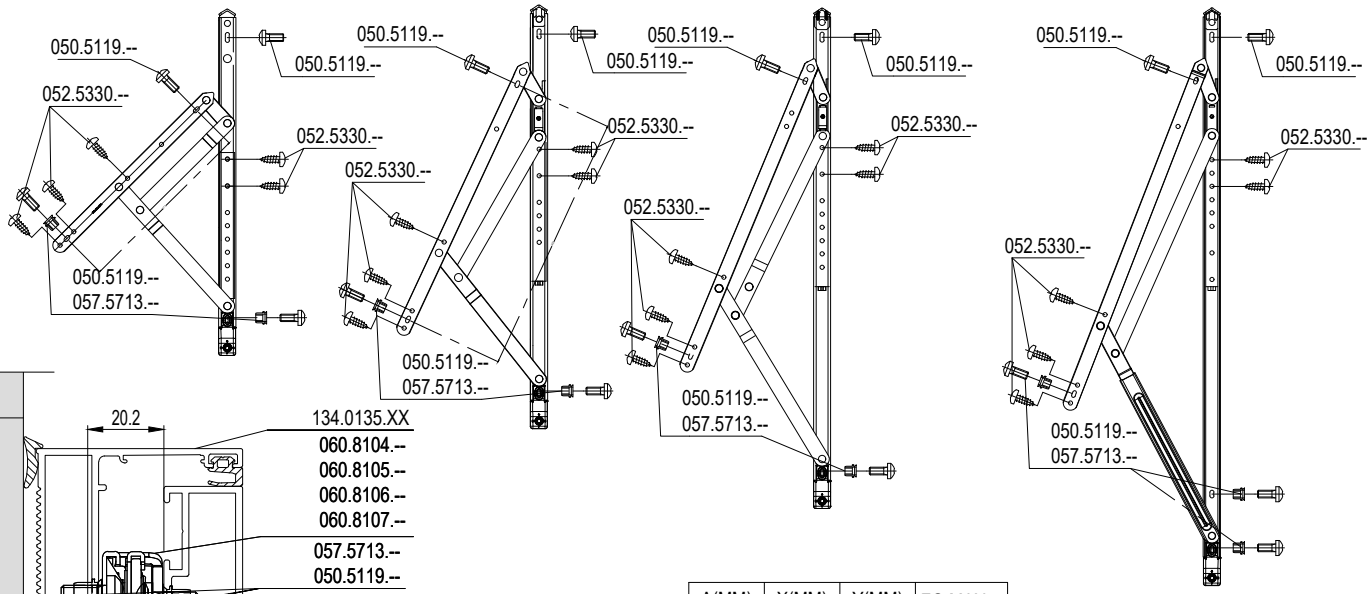


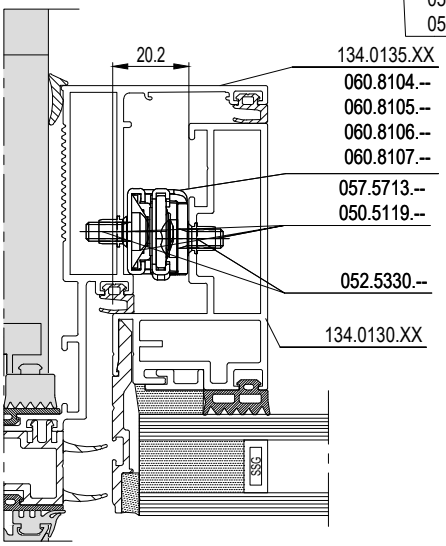
ETAG 002

schaal - échelle
scale - Maßstab
1/2

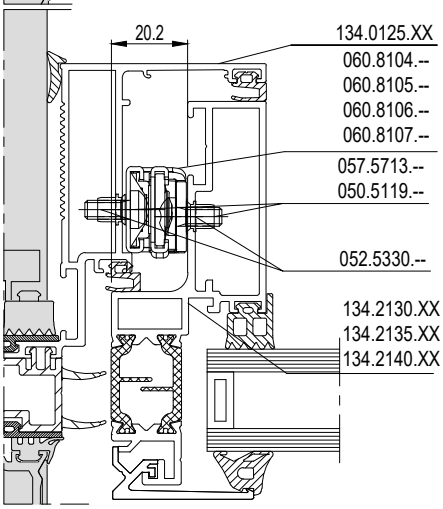
F

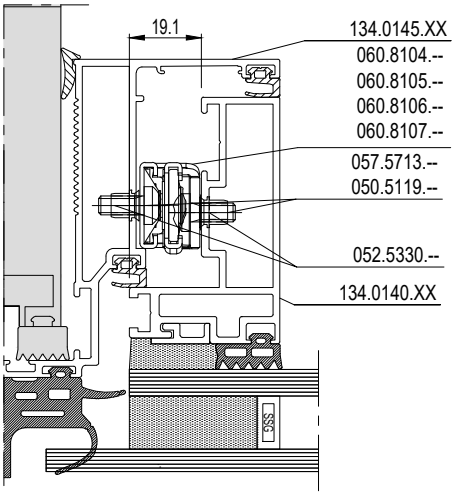
060.8104.-- 060.8105.-- 060.8106.-- 060.8107.--

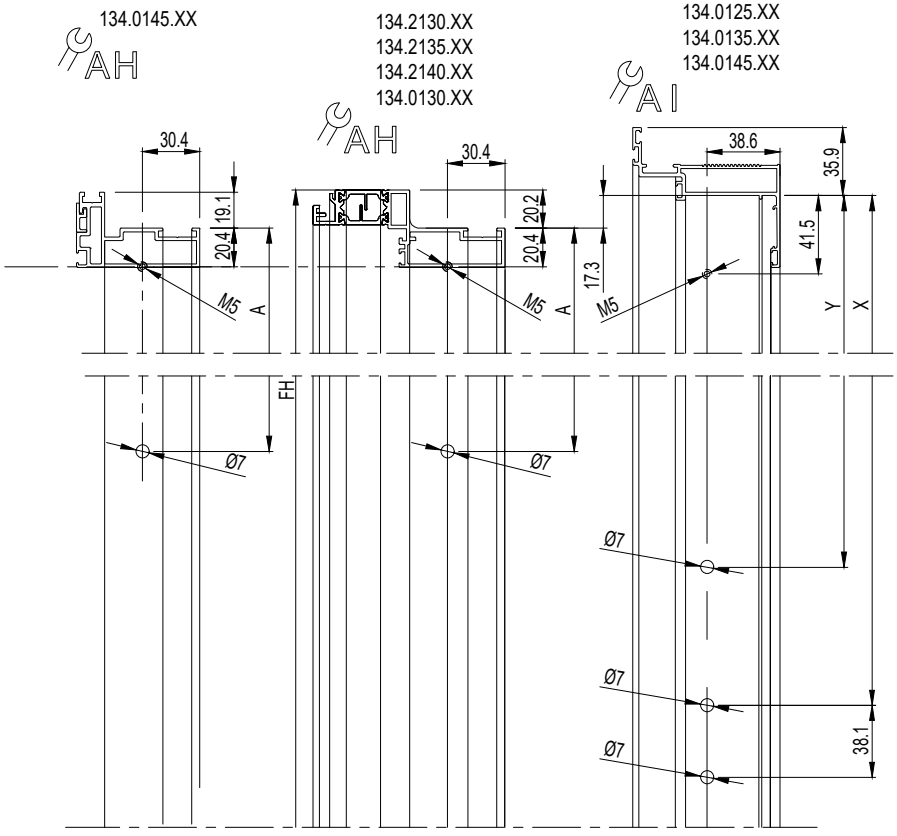




	A(MM)	X(MM)	Y(MM)	FG MAX
060.8104.--	261.5	412	-	56 KG
060.8105.--	363.5	515.5	-	85 KG
060.8106.--	414	616	-	109 KG
060.8107.--	465	717.5	644.5	140 KG



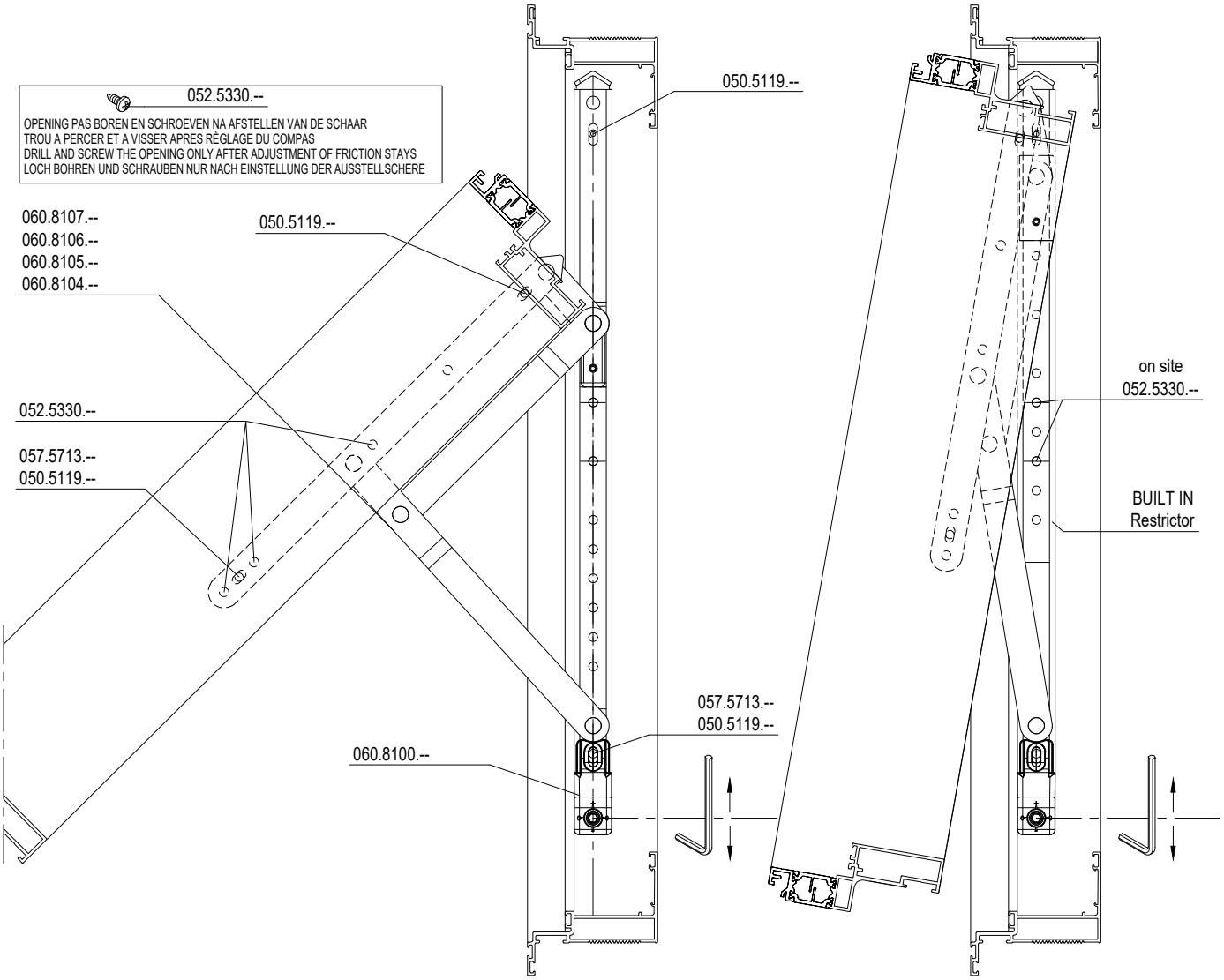


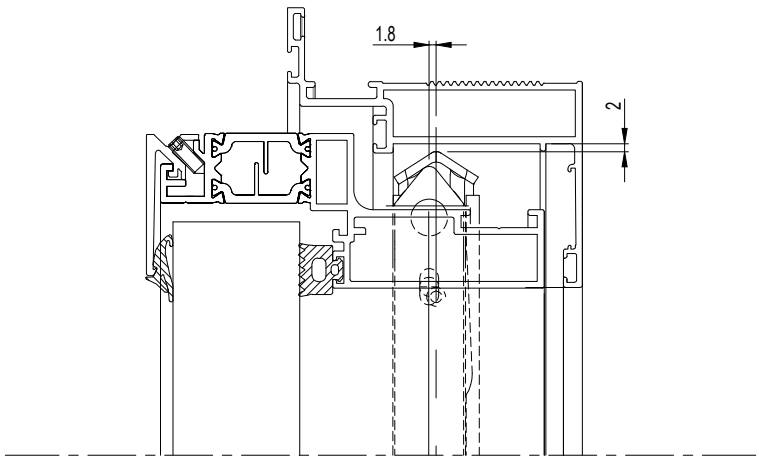


ETAG 002

schaal - échelle
scale - Maßstab
1/2

F



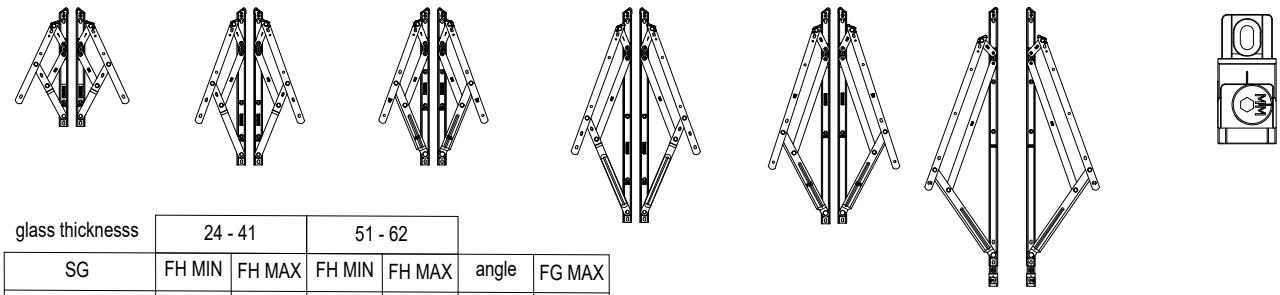


F

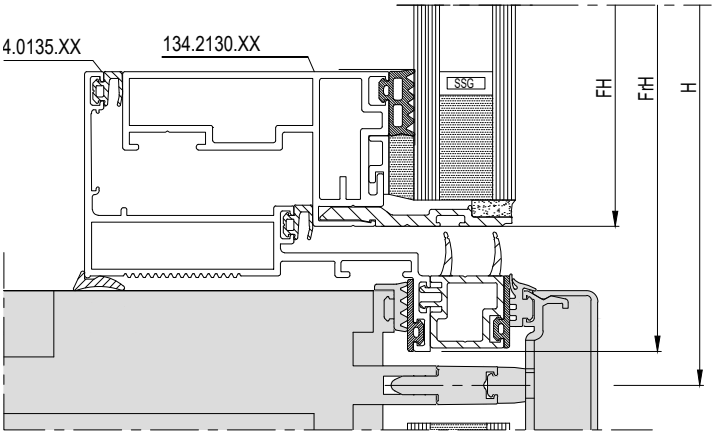
schaal - échelle
scale - Maßstab
1/2

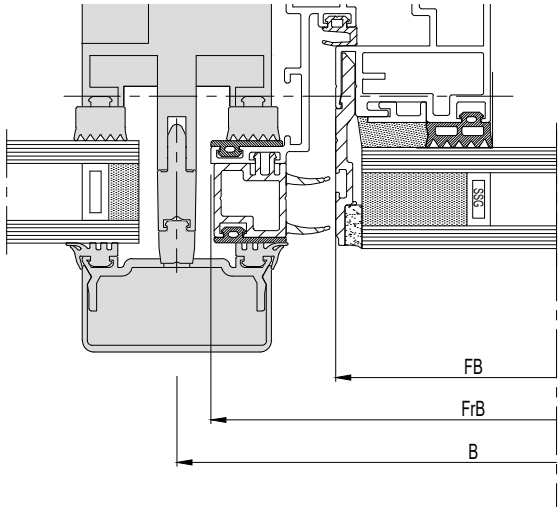
MIN/MAX AFMETINGEN THW SECURISTYLE
DIMENSIONS MIN/MAX THW SECURISTYLE
MIN/MAX SIZES THW SECURISTYLE
MIN/MAX MASSE THW SECURISTYLE

060.8310.-- 060.8311.-- 060.8314.-- 060.8287.-- 060.8312.-- 060.8370.-- 060.8372.--

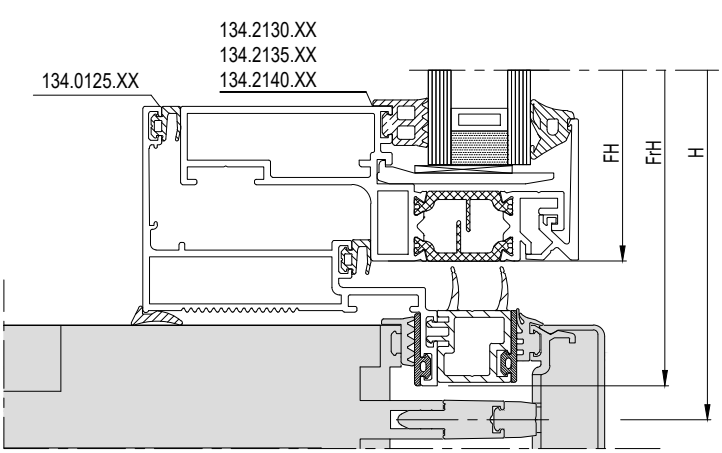


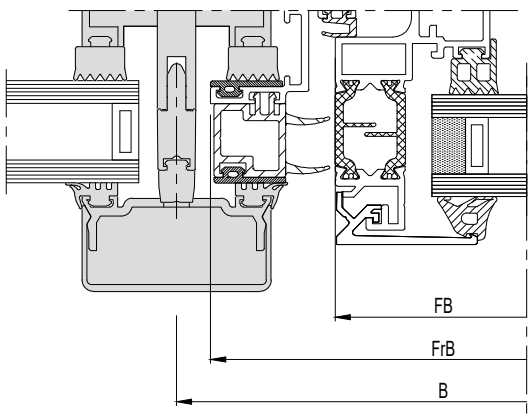
glass thicknesss	24 - 41		51 - 62			
SG	FH MIN	FH MAX	FH MIN	FH MAX	angle	FG MAX
060.8287.--	1100	1500	---	---	45°	100 KG
060.8312.--	1500	2000	1500	2000	20°	100 KG
060.8370.--	2000	2500	2000	2500	20°	180 KG





glass thicknesss	24 - 40		41 - 62			
GB	FH MIN	FH MAX	FH MIN	FH MAX	angle	FG MAX
060.8310.--	570	750	---	---	50°	50 kg
060.8311.--	700	1050	700	1050	50°	65 kg
060.8314--	600	1100	600	1100	30°	100 KG
060.8287.--	1100	1500	1100	1500	45°	100 KG
060.8312.--	1500	2000	1500	2000	20°	100 KG
060.8370.--	2000	2500	2000	2500	20°	180 KG

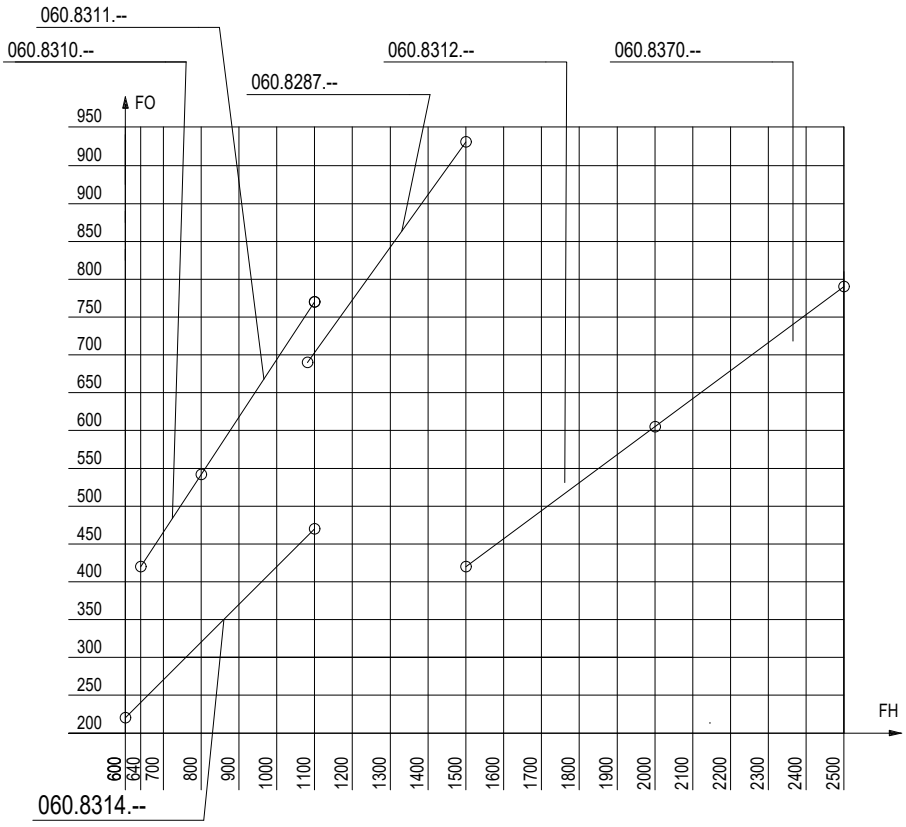


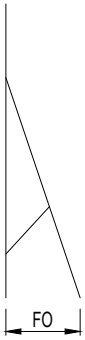


ETAG 002

schaal - échelle
scale - Maßstab
1/2

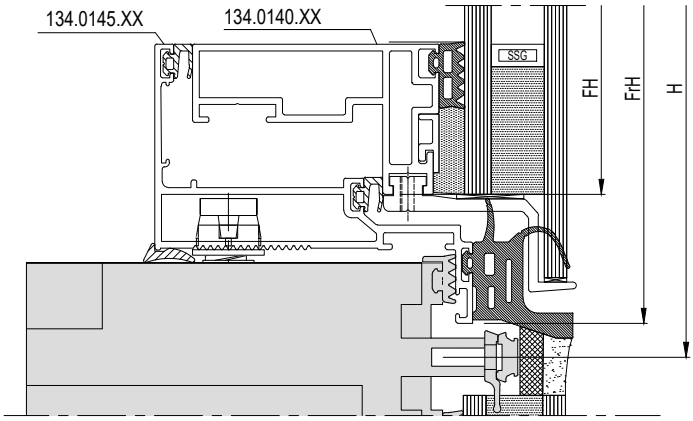
MIN/MAX AFMETINGEN THW SECURISTYLE
DIMENSIONS MIN/MAX THW SECURISTYLE
MIN/MAX SIZES THW SECURISTYLE
MIN/MAX MASSE THW SECURISTYLE

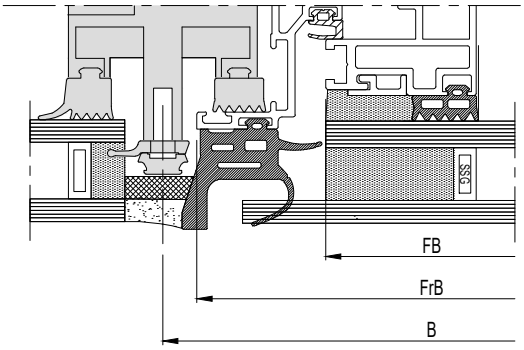




Raamopening onderaan
Ouverture pour fenêtre en bas
Window opening below
Fensteröffnung an der Unterseite

glass thicknesss	24 - 36		48-59			
SG	FH MIN	FH MAX	FH MIN	FH MAX	angle	FG MAX
060.8287.--	1100	1500	---	---	45°	100 KG
060.8312.--	1500	2000	1500	2000	20°	100 KG
060.8370.--	2000	2500	2000	2500	20°	180 KG



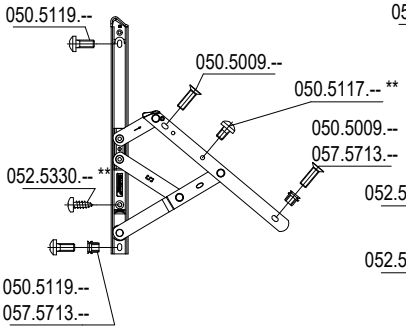


ETAG 002

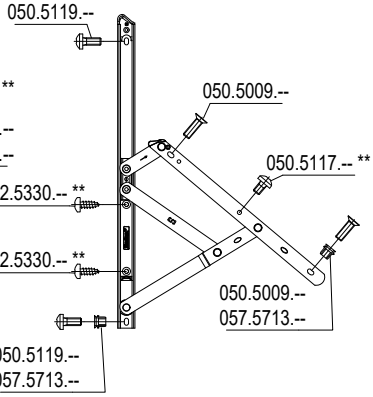
schaal - échelle
scale - Maßstab
1/2

F

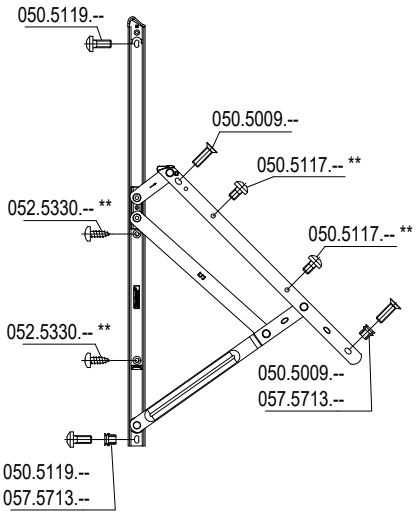
060.8310.--

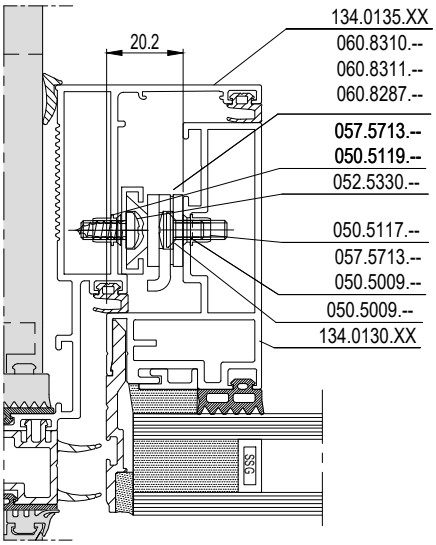


060.8311.--

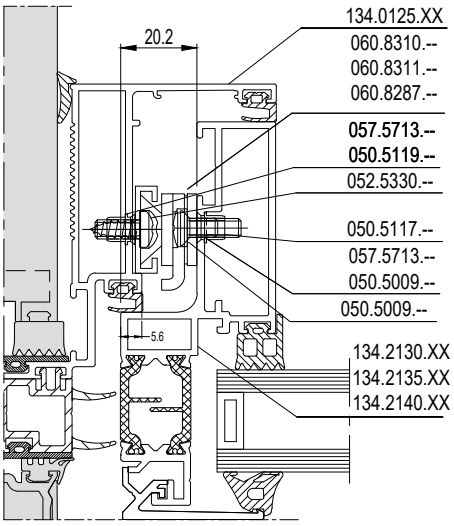


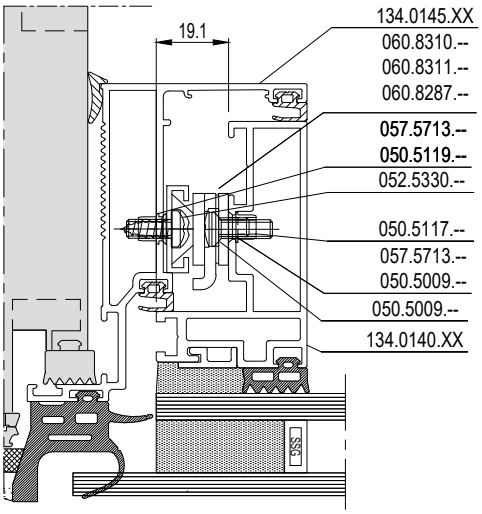
060.8287.--

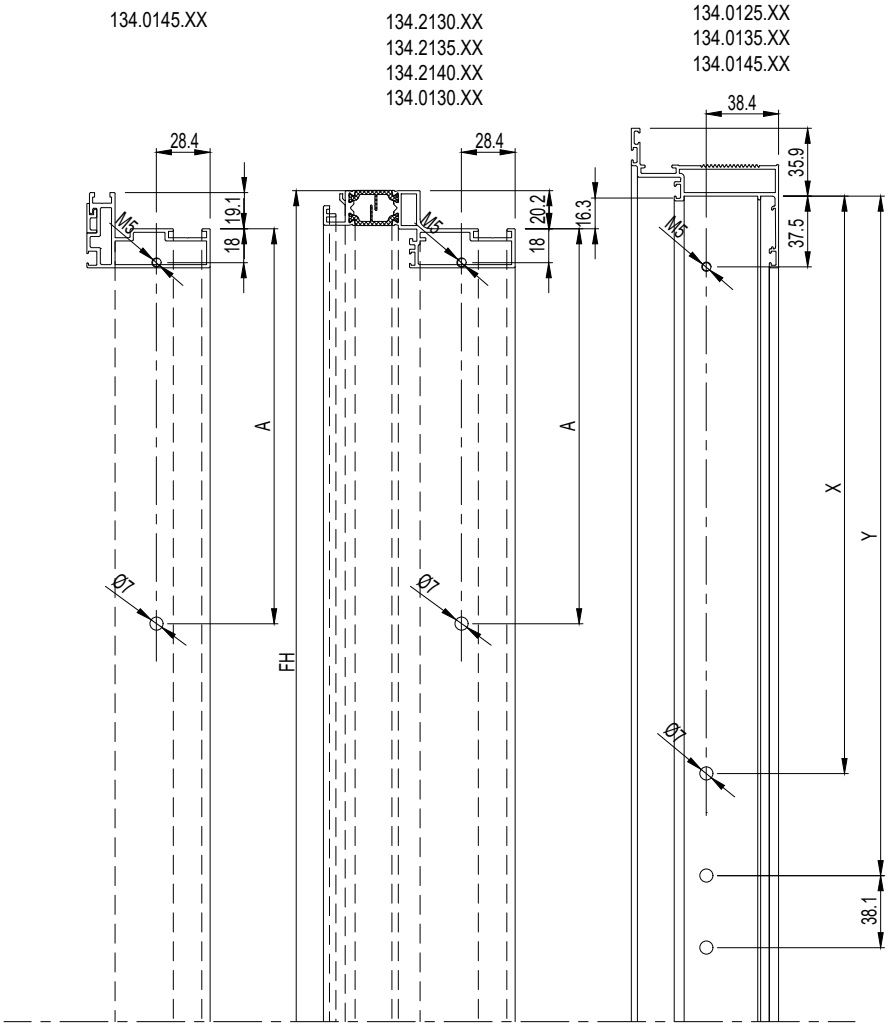




	A(MM)	X(MM)	Y(MM)	FG MAX
060.8310.--	209	304.5	-	50 kg
060.8311.--	260	406	-	65 kg
060.8287.--	338.5	560.5	-	100 KG

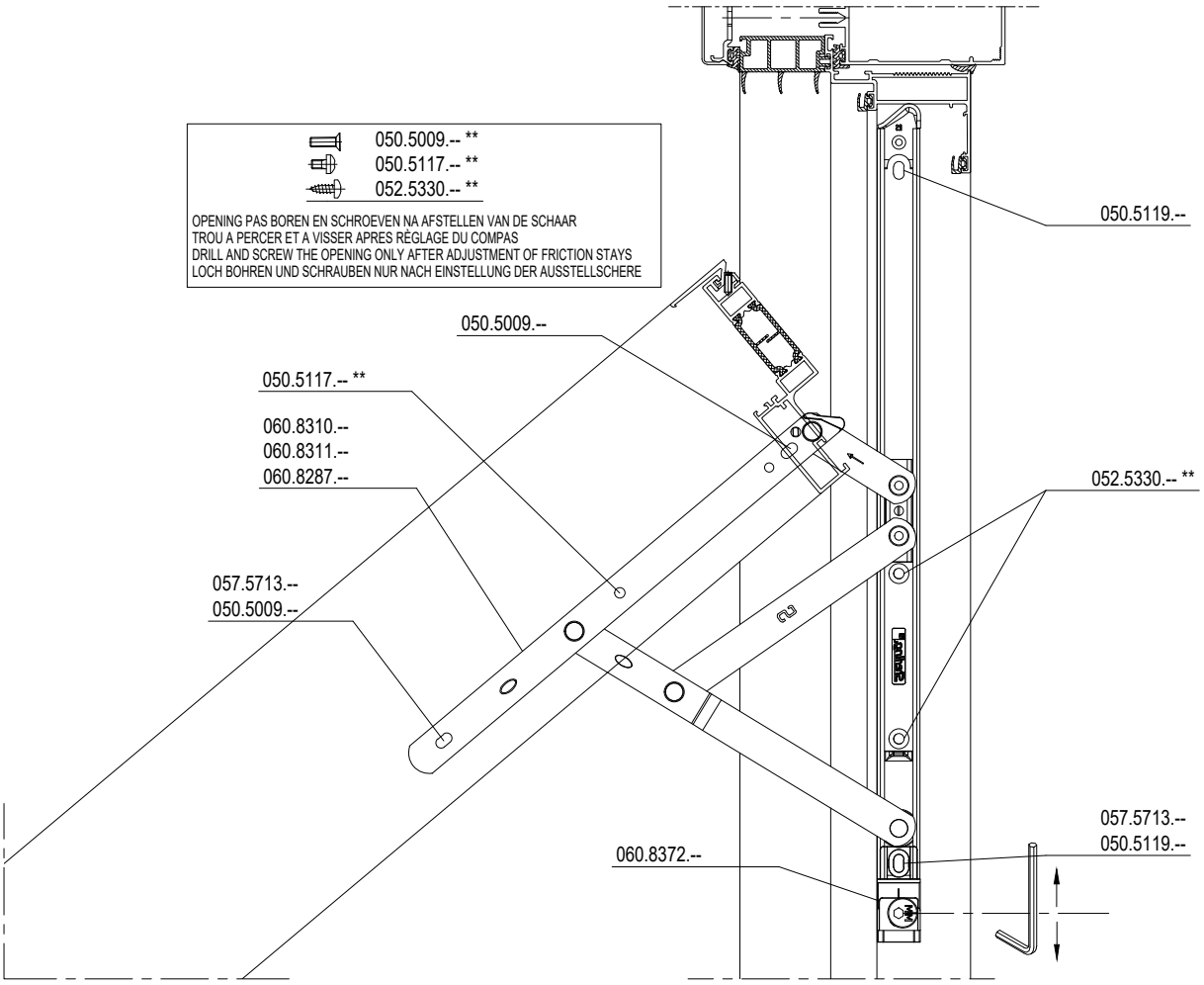


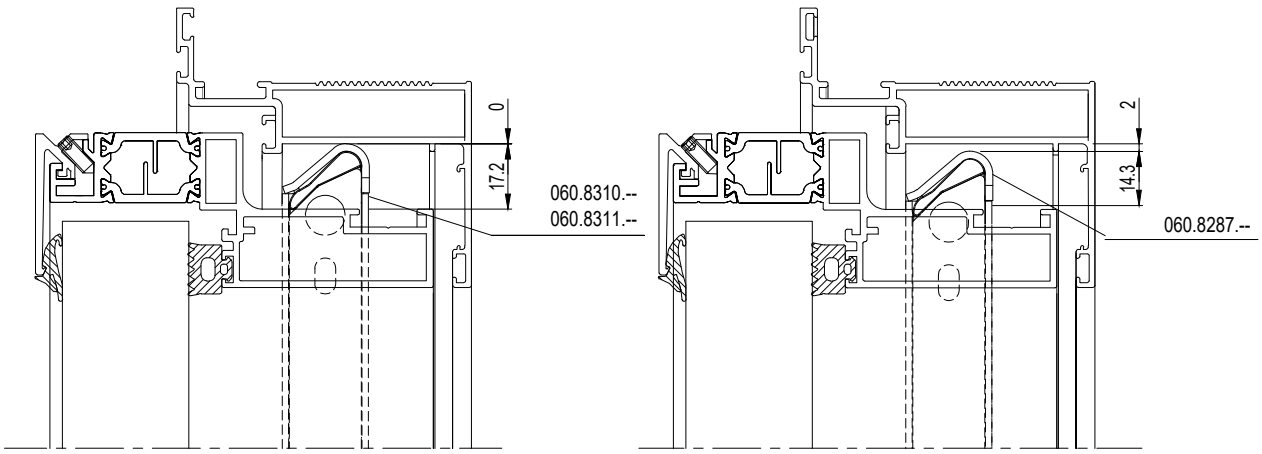




ETAG 002

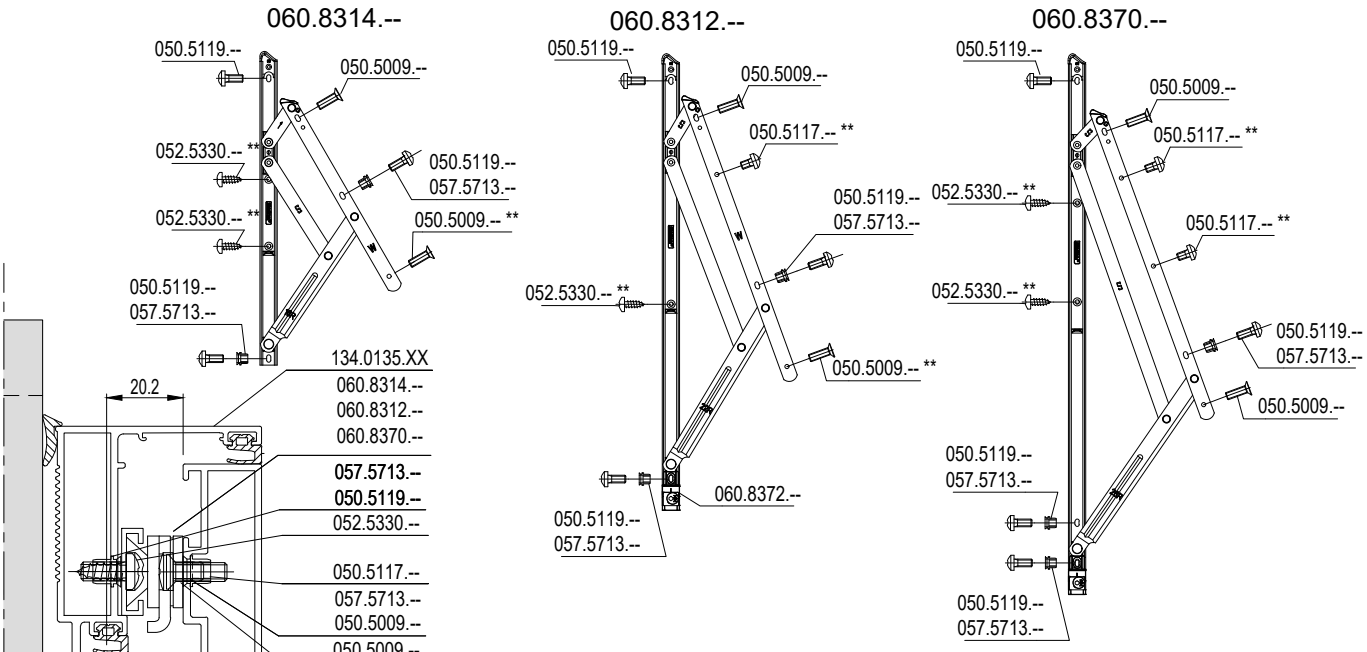
schaal - échelle
scale - Maßstab
1/2

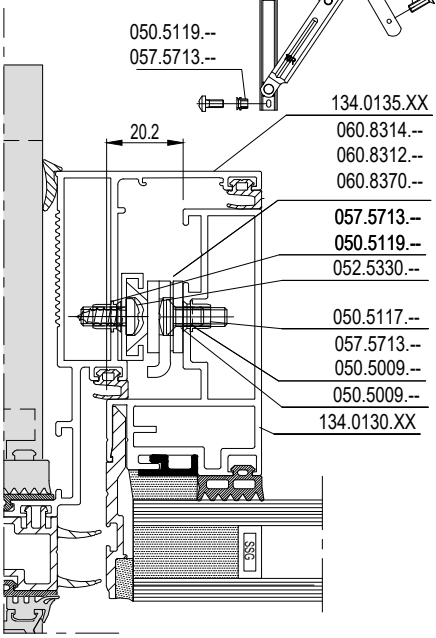




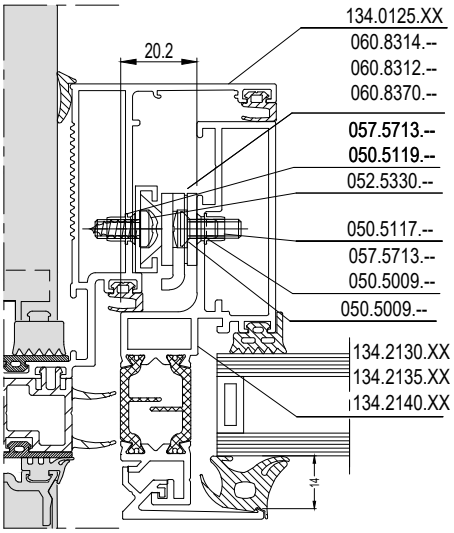
F

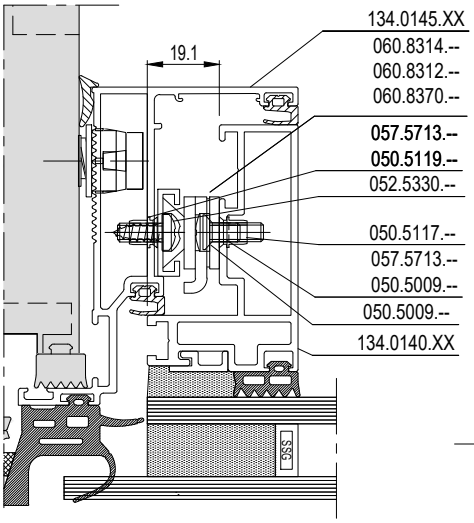
schaal - échelle
scale - Maßstab
1/2

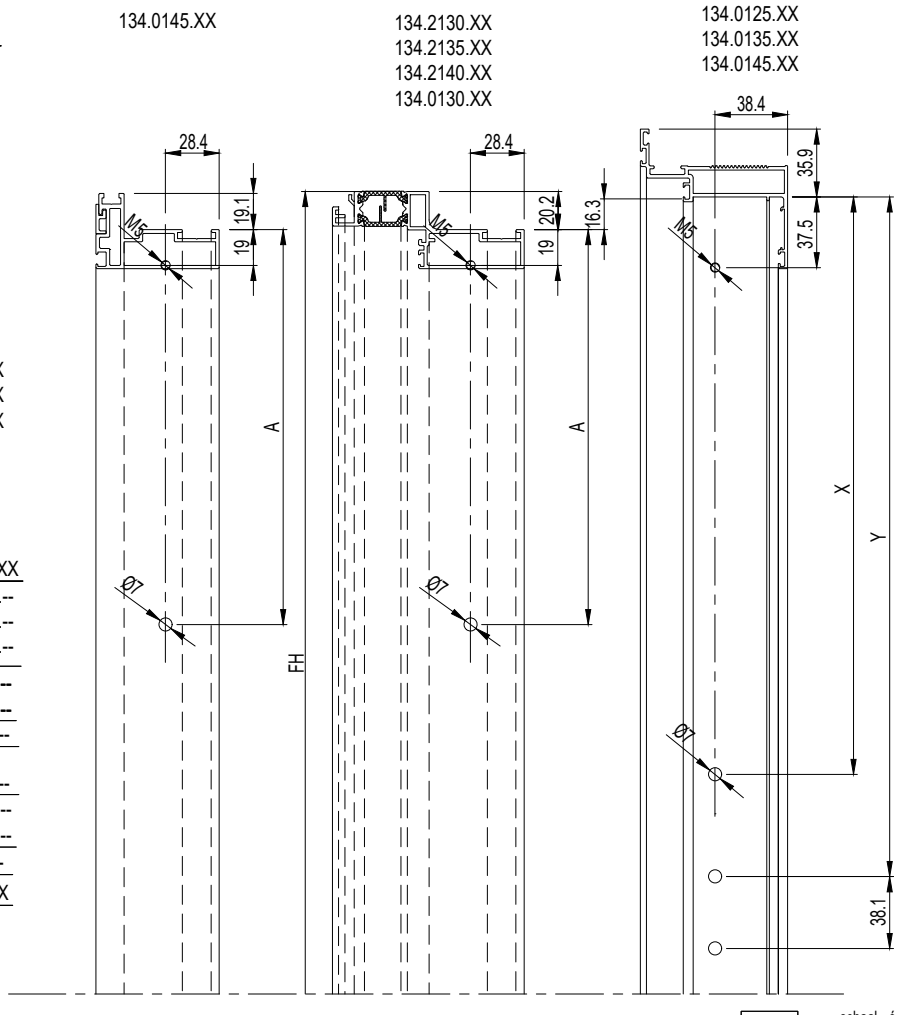




	A(MM)	X(MM)	Y(MM)	FG MAX
060.8314.--	137	406	-	100 KG
060.8312.--	256.5	564	-	100 KG
060.8370.--	335	622	676	180 KG



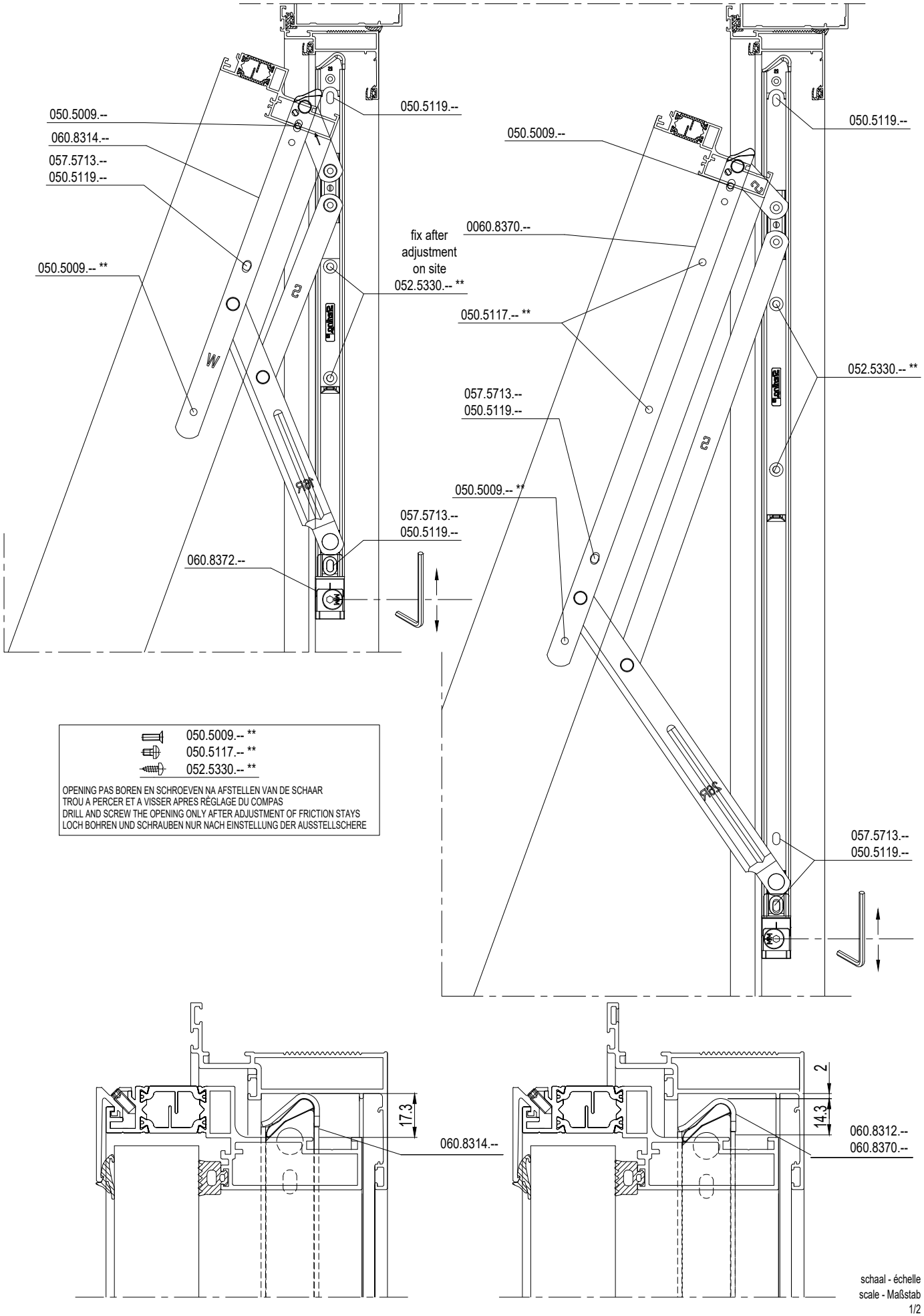




ETAG 002

schaal - échelle
scale - Maßstab
1/2

F

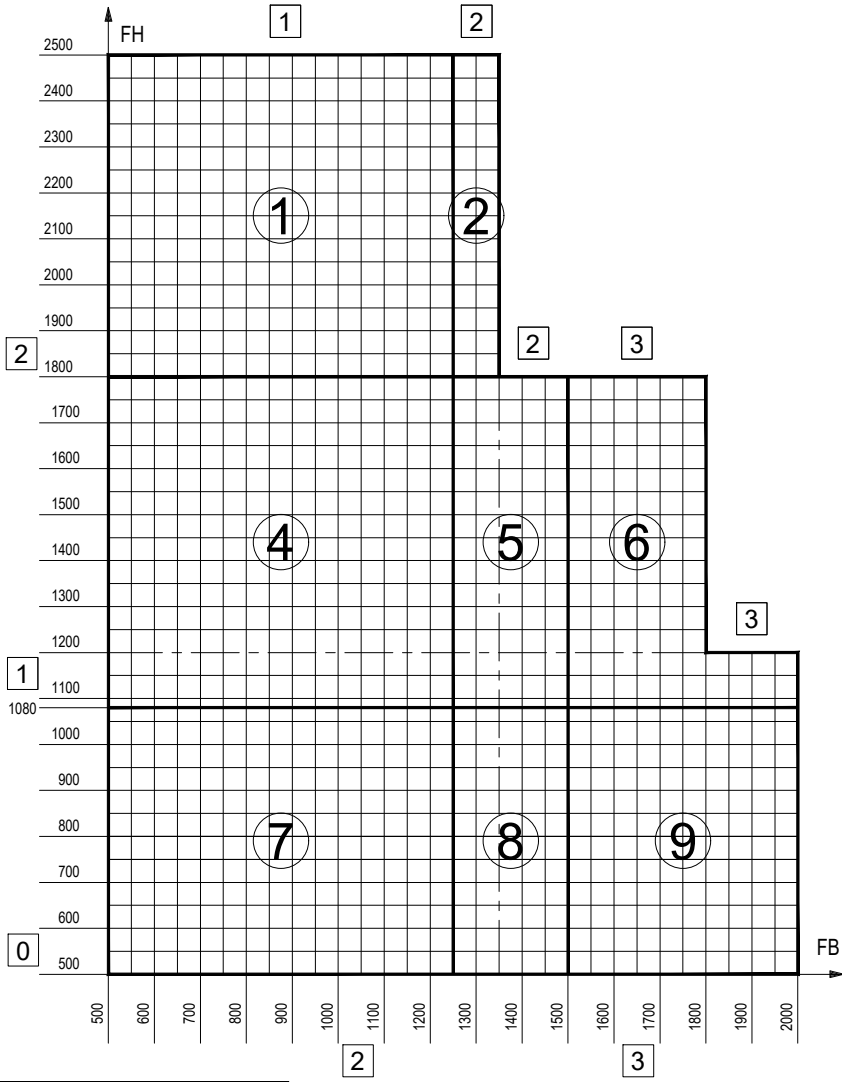


schaal - échelle
scale - Maßstab
1/2

F

SLUITPUNTEN THW
POINTS DE FERMETURE THW
LOCKING POINTS THW
SCHLIESSPUNKTEN THW

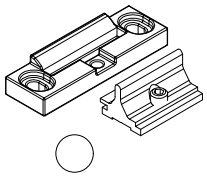
Reynaers Aluminium



060.8104.--
060.8105.--
060.8106.--
060.8107.--

060.8311.--
060.8314.--
060.8287.--
060.8312.--
060.8370.--

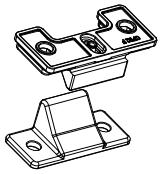
060.8139.--



060.8104.--
060.8105.--
060.8106.--
060.8107.--

060.8311.--
060.8314.--
060.8287.--
060.8312.--
060.8370.--

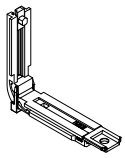
060.8373.--



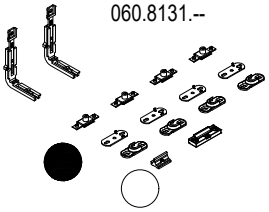
060.8104.--
060.8105.--
060.8106.--
060.8107.--

060.8311.--
060.8314.--
060.8287.--
060.8312.--
060.8370.--

060.8181.--



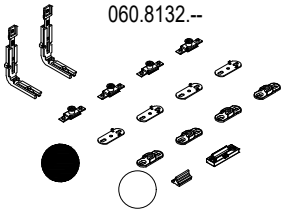
060.8131.--



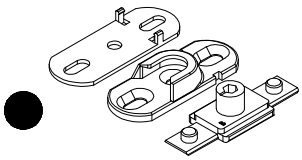
060.8104.--
060.8105.--
060.8106.--
060.8107.--

060.8310.--
060.8311.--
060.8314.--
060.8287.--
060.8312.--
060.8370.--

060.8132.--



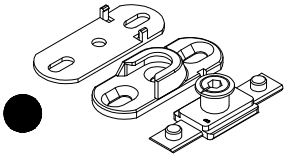
060.8135.--



060.8104.--
060.8105.--
060.8106.--
060.8107.--

060.8310.--
060.8311.--
060.8314.--
060.8287.--
060.8312.--
060.8370.--

060.8136.--

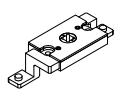


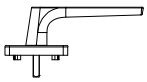
WINDBELASTING CHARGE DE VENT WIND LOAD WINDLAST	MAX 1400 PA

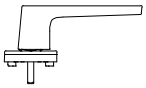
WINDBELASTING CHARGE DE VENT WIND LOAD WINDLAST	MAX 2000 PA

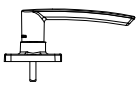
F

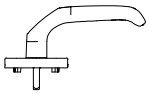
SLUITPUNTEN THW
POINTS DE FERMETURE THW
LOCKING POINTS THW
SCHLIESSPUNKTEN THW

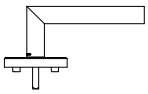

060.8199.--


060.6455.XX

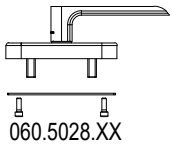

060.6459.PA


060.8586.XX

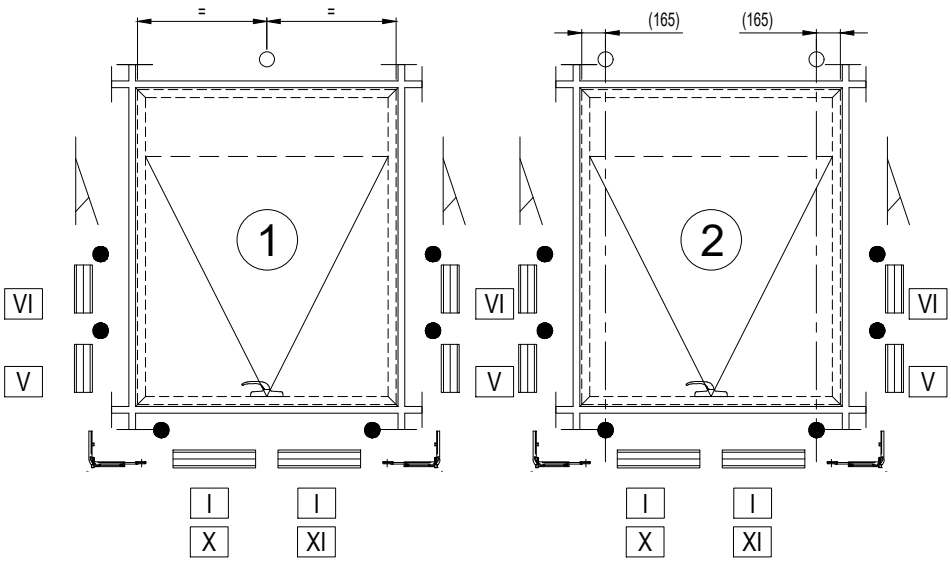

061.6451.XX

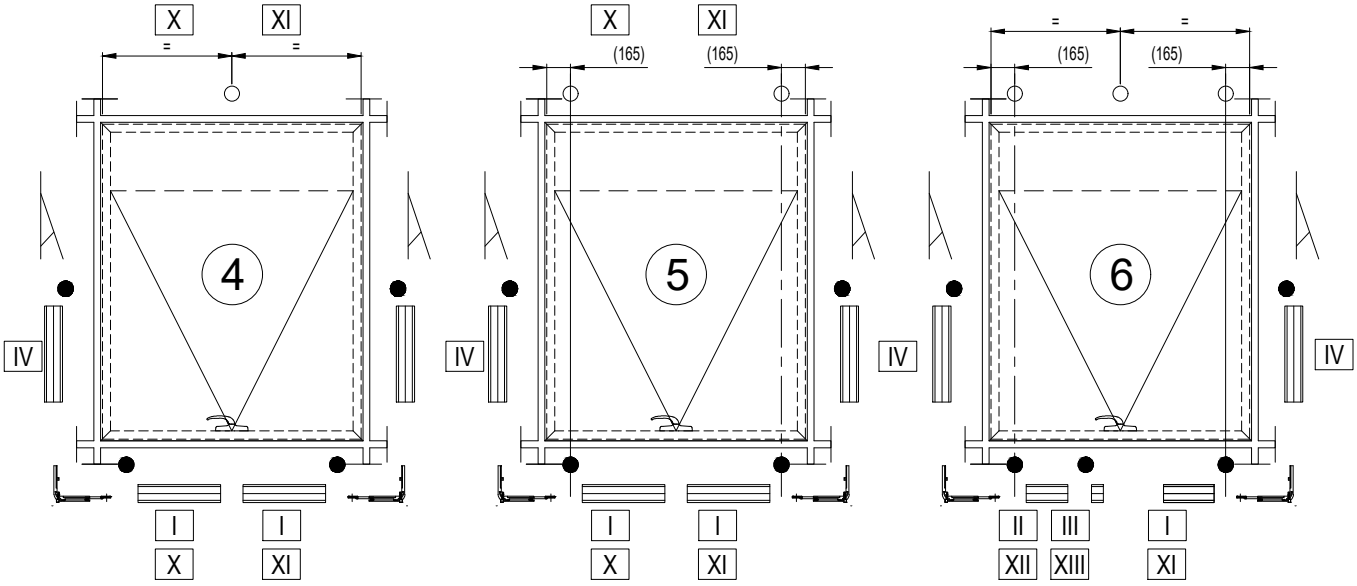

061.8961.XX

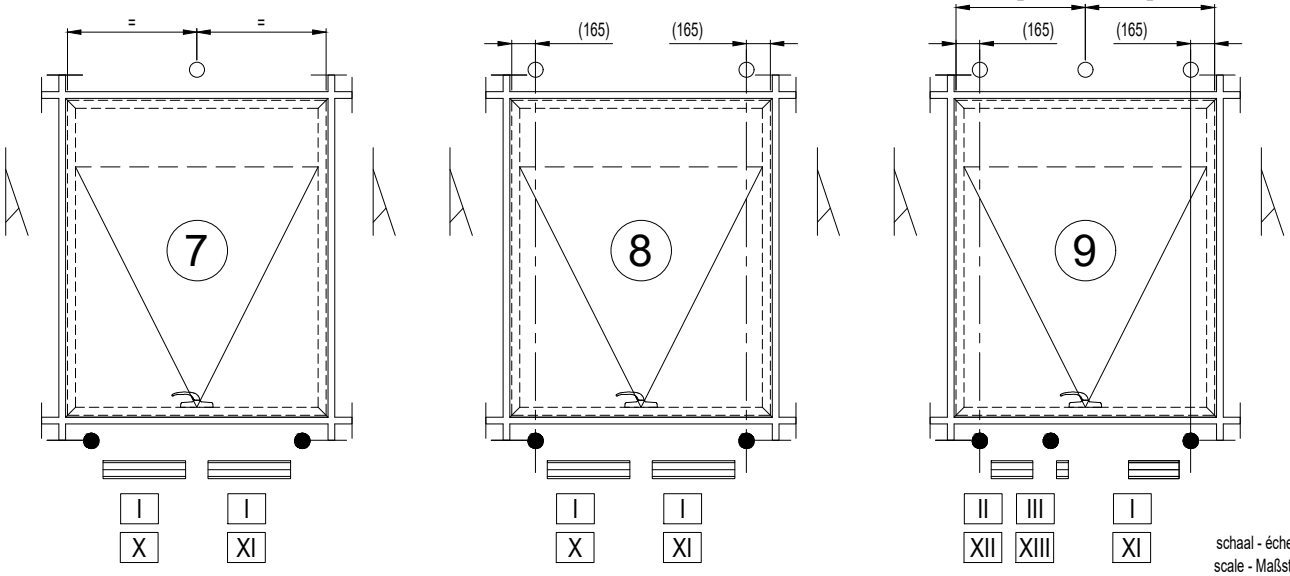
I
II
III


060.5028.XX

X XI
XII
XIII



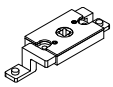


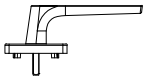


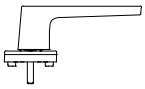
schaal - échelle
scale - Maßstab
1/2

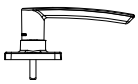
F

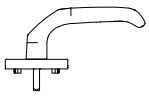
DIMENSIONS TRINGLES THW INSTEEKSLOT
DIMENSIONS DES TRINGLES DE REGLAGE THW BOITIER CARRE
DIMENSIONS LOCKING RODS THW INTERNAL LOCKING SYSTEM
ABMESSUNGEN STANGES THW EINSTECKGETRIEBE

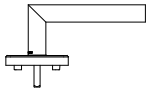

060.8199.--

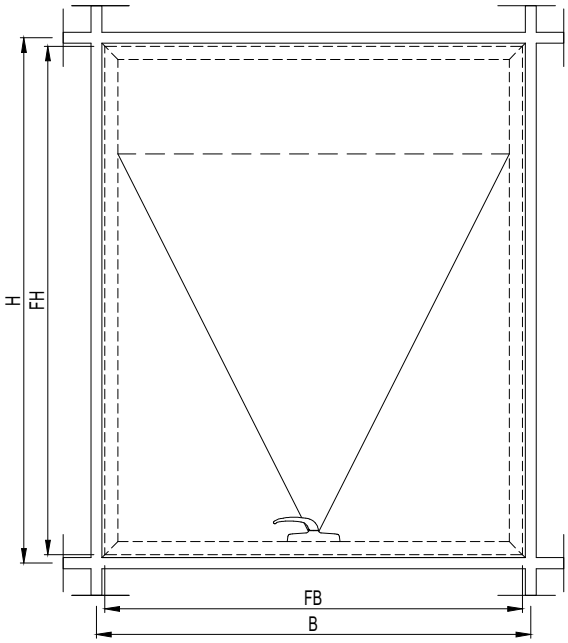

060.6455.XX

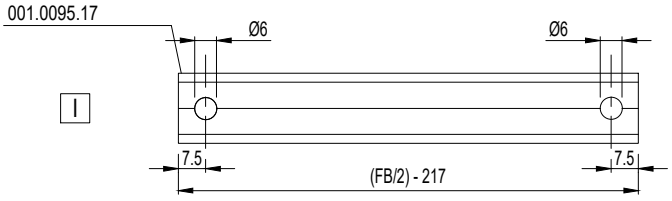

060.6459.PA

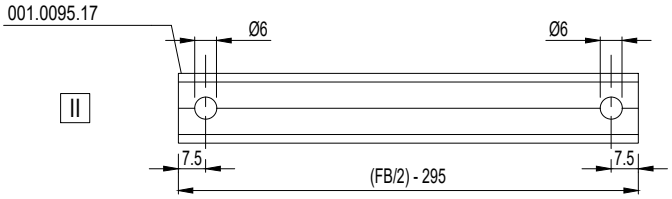

060.8586.XX

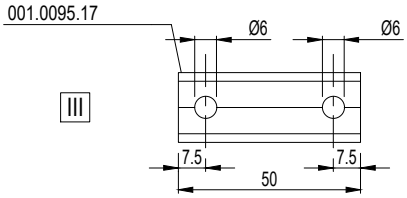

061.6451.XX

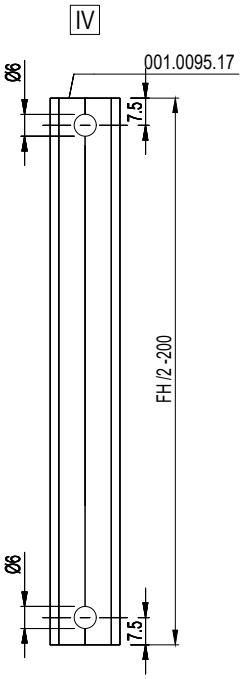

061.8961.XX

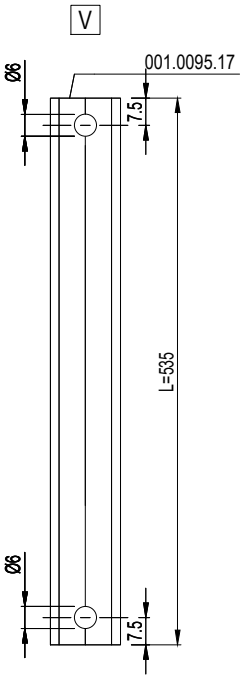


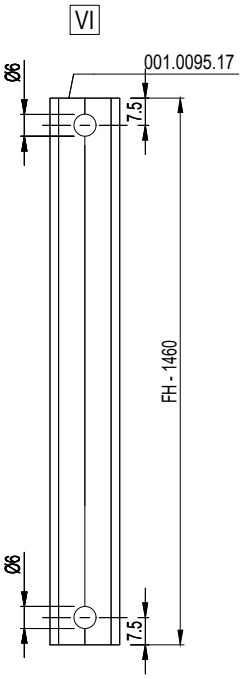






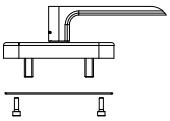




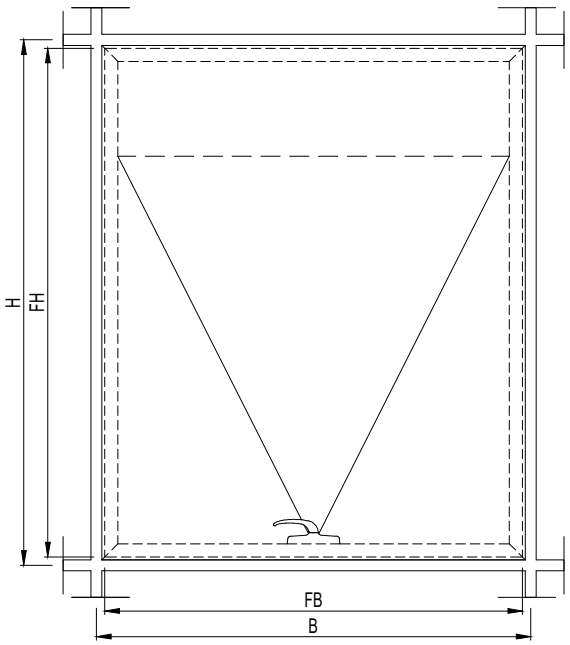


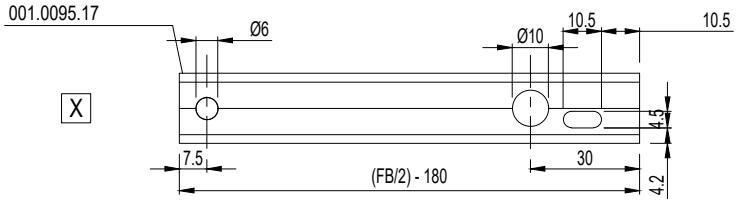
schaal - échelle
scale - Maßstab
1/2

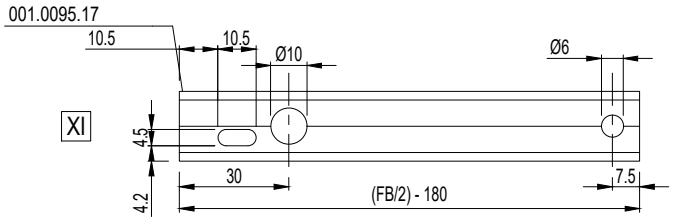
DIMENSIONS TRINGLES THW ERRETI RAAMPOMP
DIMENSIONS DES TRINGLES DE REGLAGE THW ERRETI CREMONE
DIMENSIONS LOCKING RODS THW ERRETI HANDLE
ABMESSUNGEN STANGES THW ERRETI HANDHEBEL

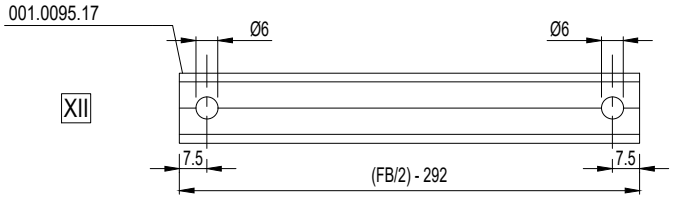


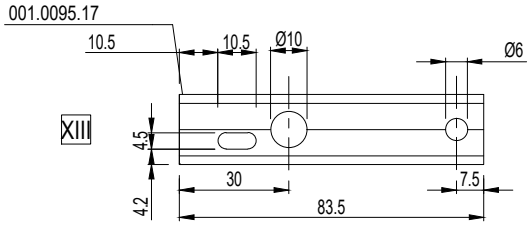
060.5028.XX











F

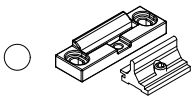
schaal - échelle
scale - Maßstab
1/2

SLUITPUNT BOVENZIJDE THW CALDWELL
VEROUILLAGE HAUT THW CALDWELL
TOP LOCKING POINT THW CALDWELL
SCHLIESSPUNKT OBEN THW CALDWELL

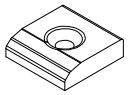
Reynaers Aluminium

060.8104.--
060.8105.--
060.8106.--
060.8107.--

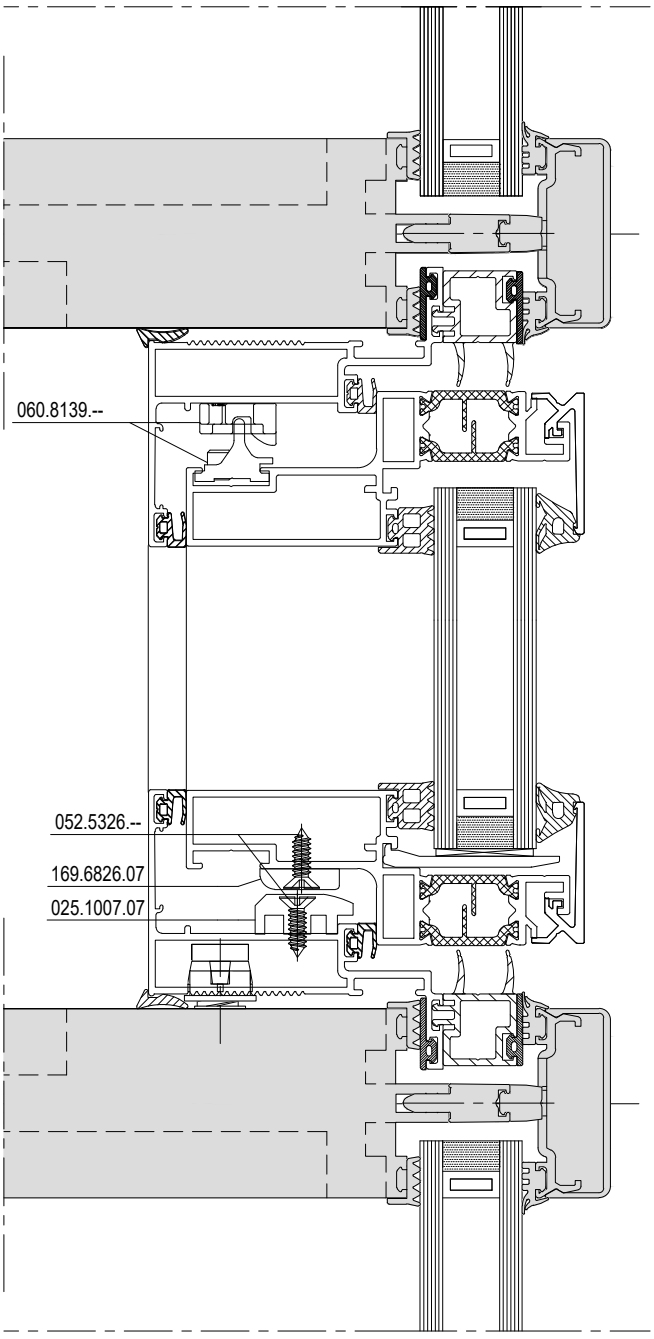
060.8139.--

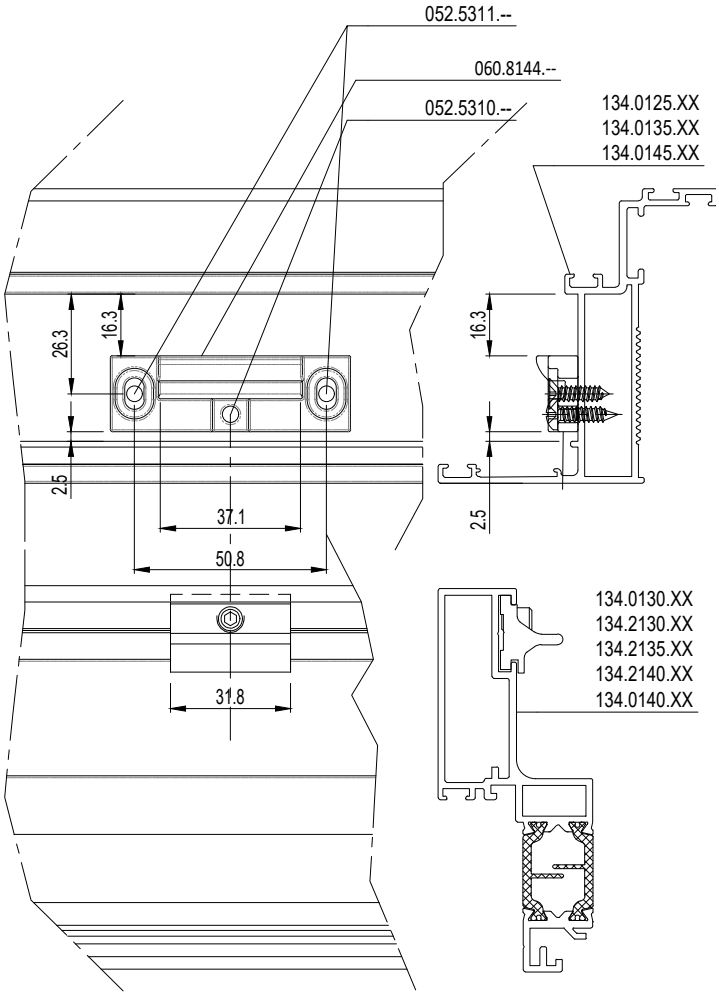


169.6826.07



025.1007.07





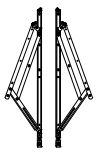
schaal - échelle
scale - Maßstab
1/2

F

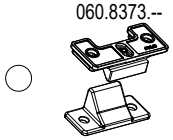
SLUITPUNT BOVENZIJDE THW SECURISTYLE
VEROUILLAGE HAUT THW SECURISTYLE
TOP LOCKING POINT THW SECURISTYLE
SCHLIESSPUNKT OBEN THW SECURISTYLE

Reynaers Aluminium

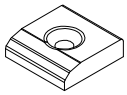
060.8310.--
060.8311.--
060.8314.--
060.8287.--
060.8312.--
060.8370.--



060.8373.--

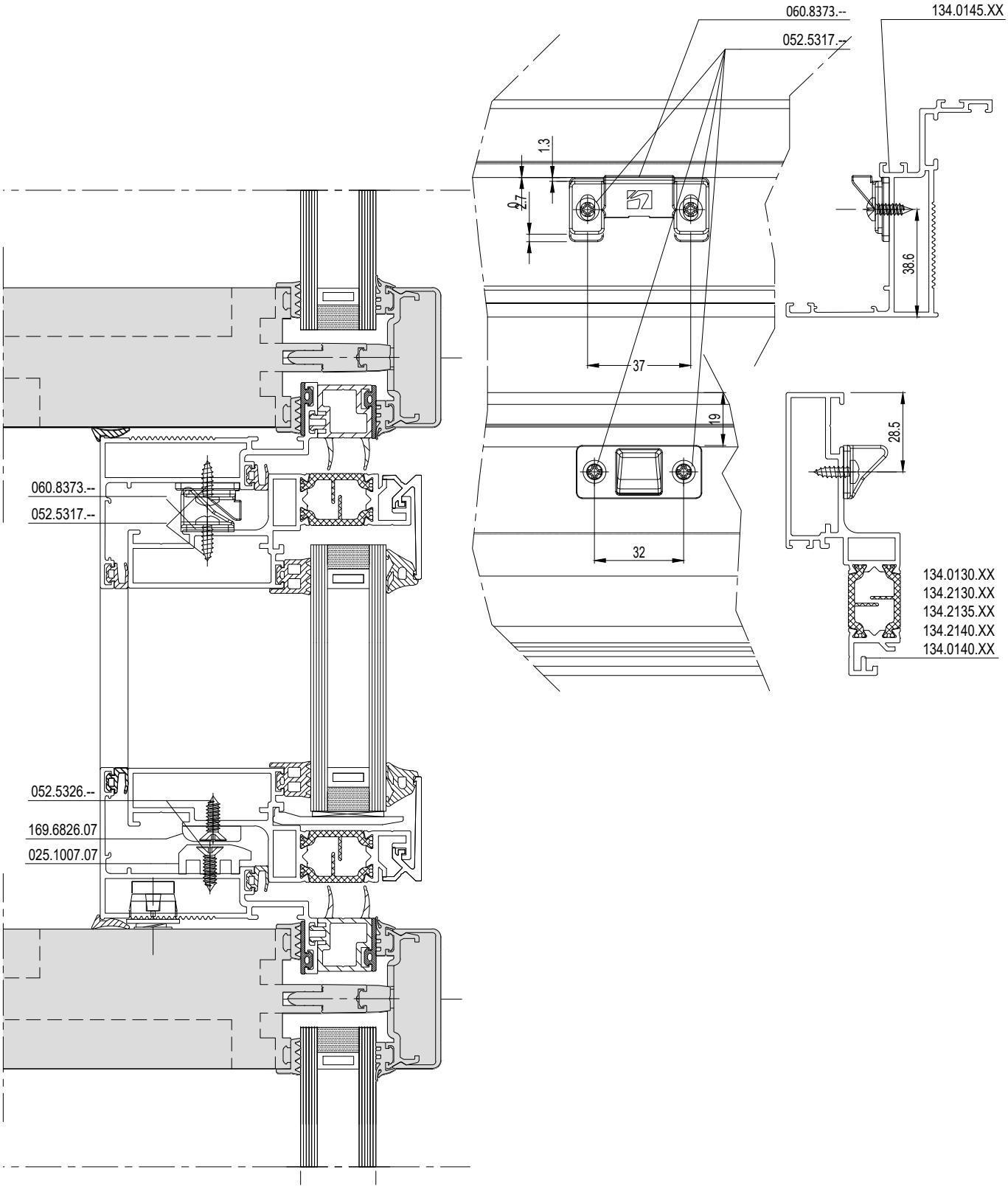


169.6826.07



025.1007.07

134.0125.XX
134.0135.XX
134.0145.XX



134.0130.XX
134.2130.XX
134.2135.XX
134.2140.XX
134.0140.XX

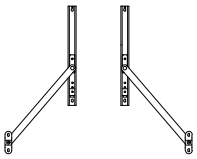
F

schaal - échelle
scale - Maßstab
1/2

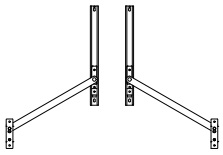
BEGRENZINGSSCHAAR
LIMITATEUR D'OUVERTURE
RESTRICTOR
BEGRENZUNGSSCHERE

060.8104.--
060.8105.--
060.8106.--
060.8107.--

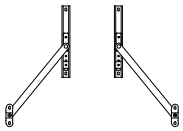
060.8157.--



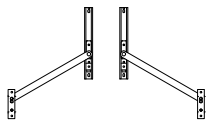
060.8177.--



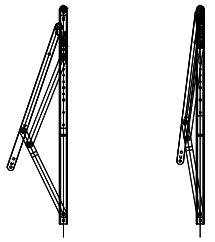
060.8154.--



060.8174.--

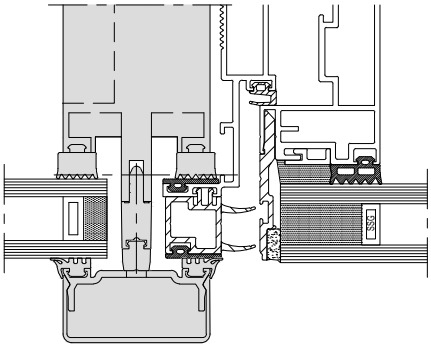


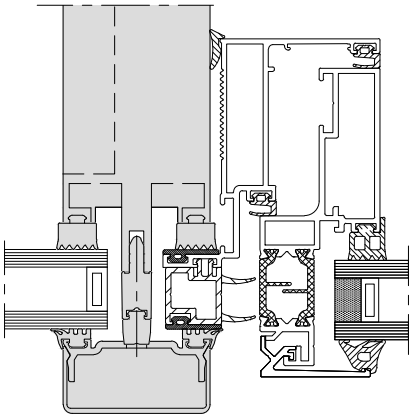
060.8104.--, 060.8105.--

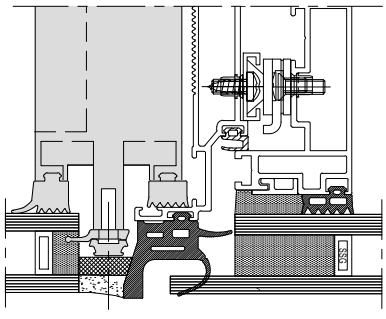


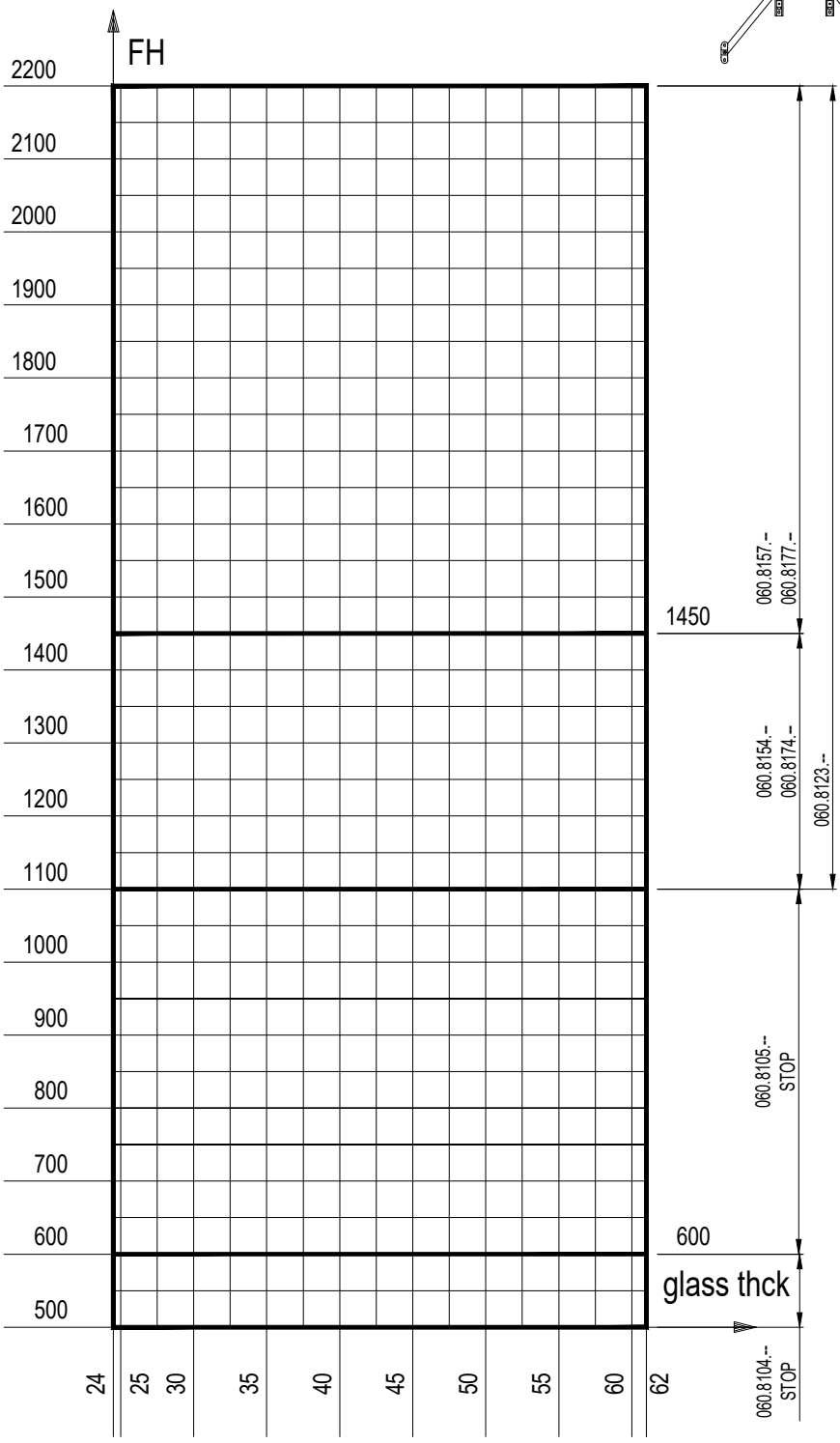
060.8123.--

060.8124.--







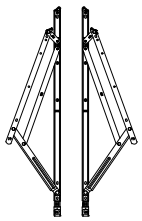


ETAG 002

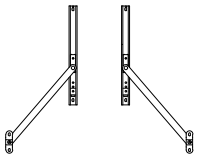
schaal - échelle
scale - Maßstab
1/2

BEGRENZINGSSCHAAR
LIMITATEUR D'OUVERTURE
RESTRICTOR
BEGRENZUNGSSCHERE

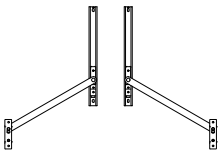
060.8310.--
060.8311.--
060.8314.--
060.8287.--
060.8312.--
060.8370.--



060.8157.--

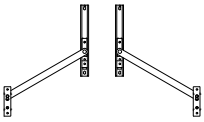


060.8177.--



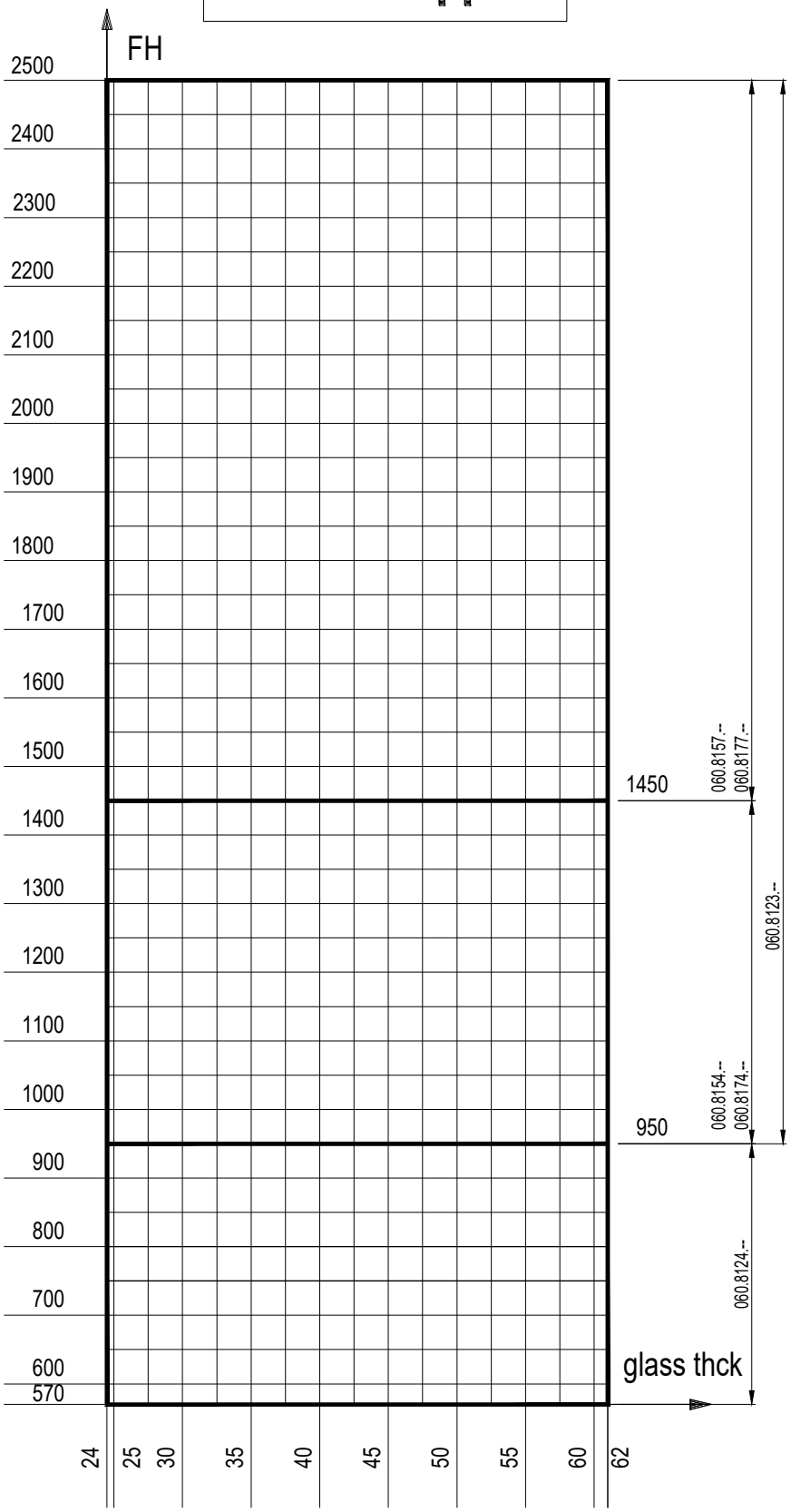
060.8154.--

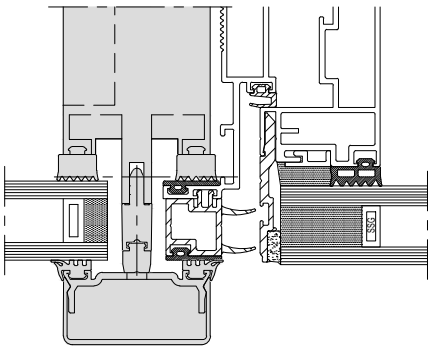
060.8174.--

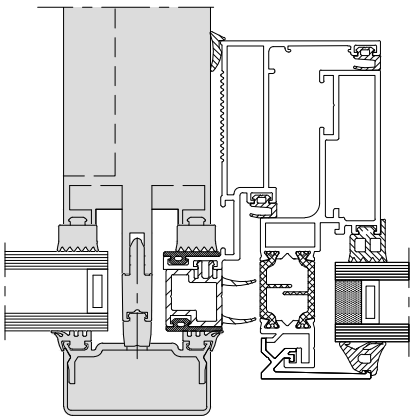


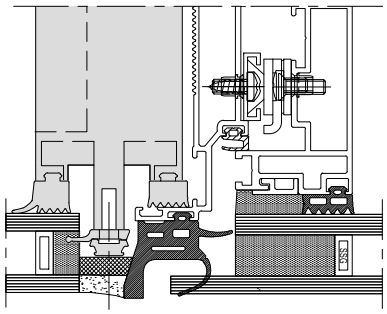
060.8123.--

060.8124.--









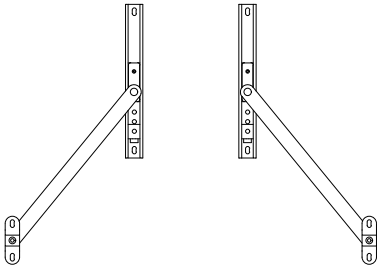
ETAG 002

schaal - échelle
scale - Maßstab
1/2

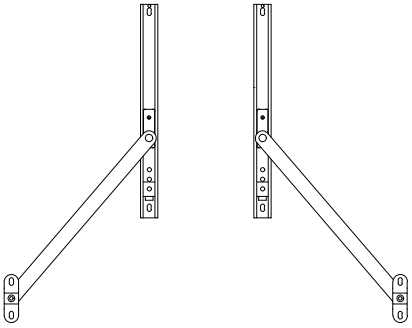
F

BEGRENZINGSSCHAAR
LIMITATEUR D'OUVERTURE
RESTRICTOR
BEGRENZUNGSSCHERE

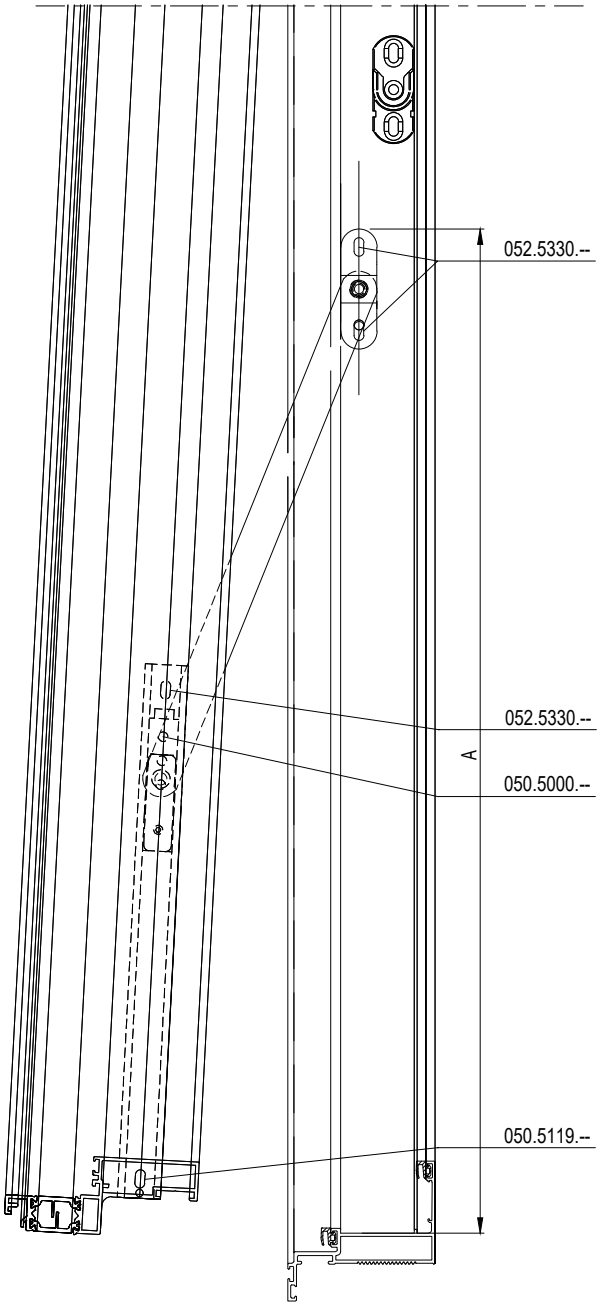
060.8154.--



060.8157.--



	A
060.8154.--	381
060.8157.--	531

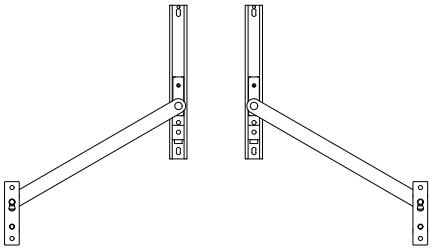


schaal - échelle
scale - Maßstab
1/2

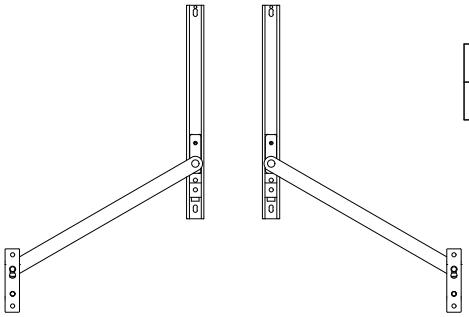
F

BEGRENZINGSSCHAAR
LIMITATEUR D'OUVERTURE
RESTRICTOR
BEGRENZUNGSSCHERE

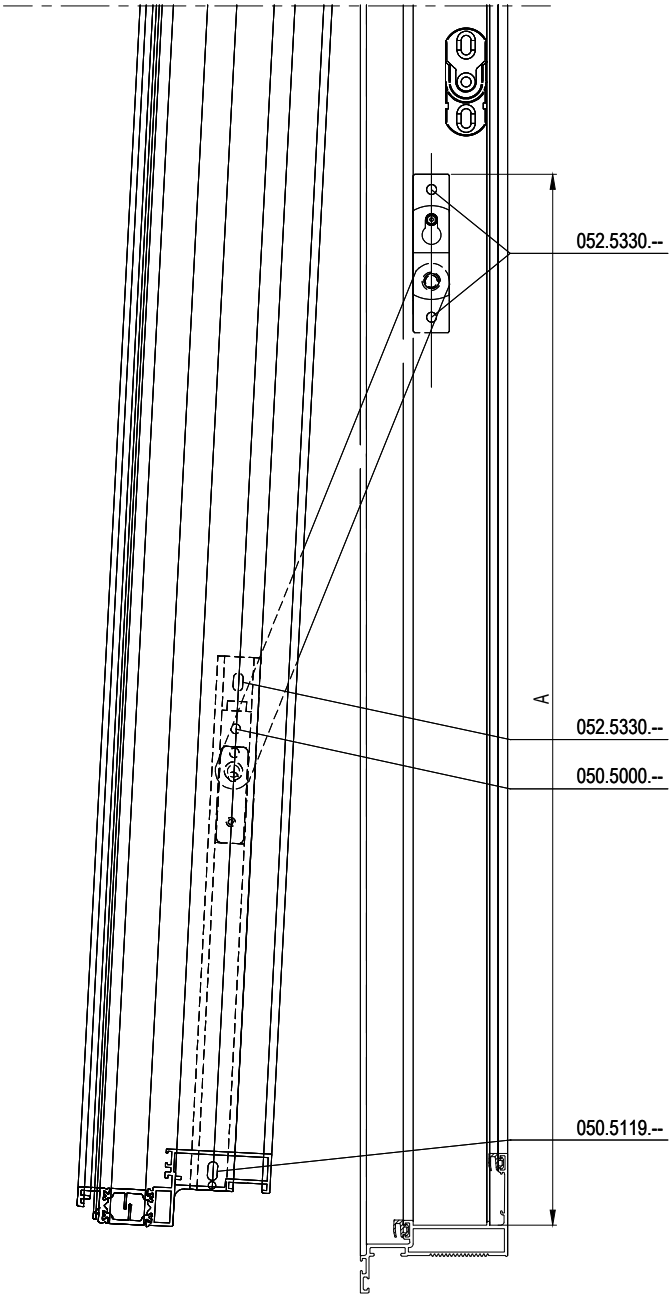
060.8174.--

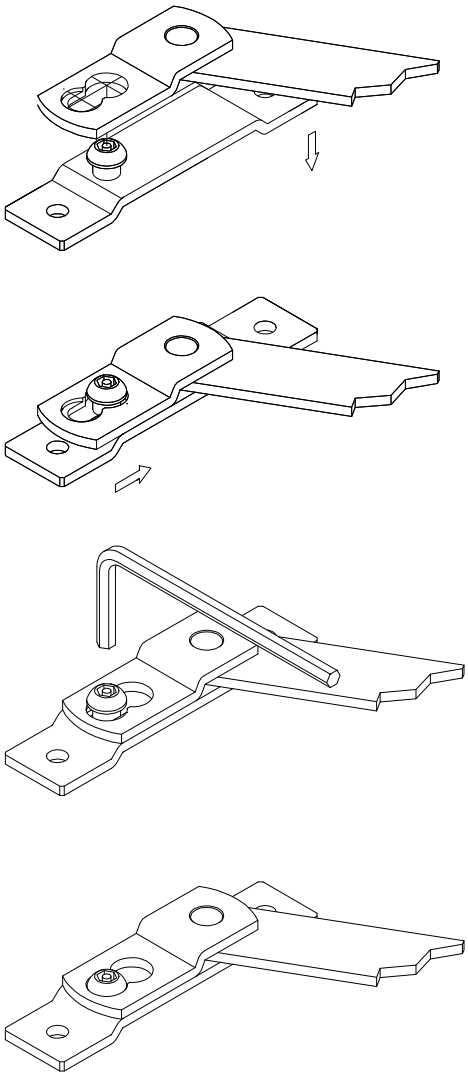


060.8177.--



	A
060.8174.--	413
060.8177.--	556



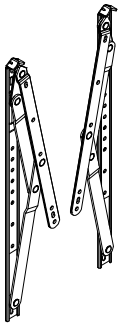


F

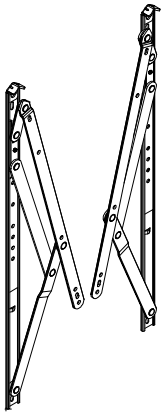
schaal - échelle
scale - Maßstab
1/2

BEGRENZINGSSCHAAR
LIMITATEUR D'OUVERTURE
RESTRICTOR
BEGRENZUNGSSCHERE

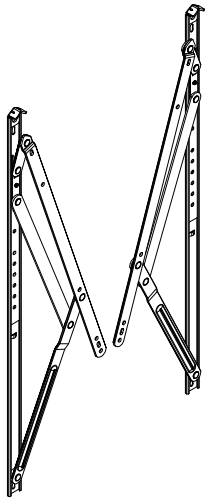
060.8104.--



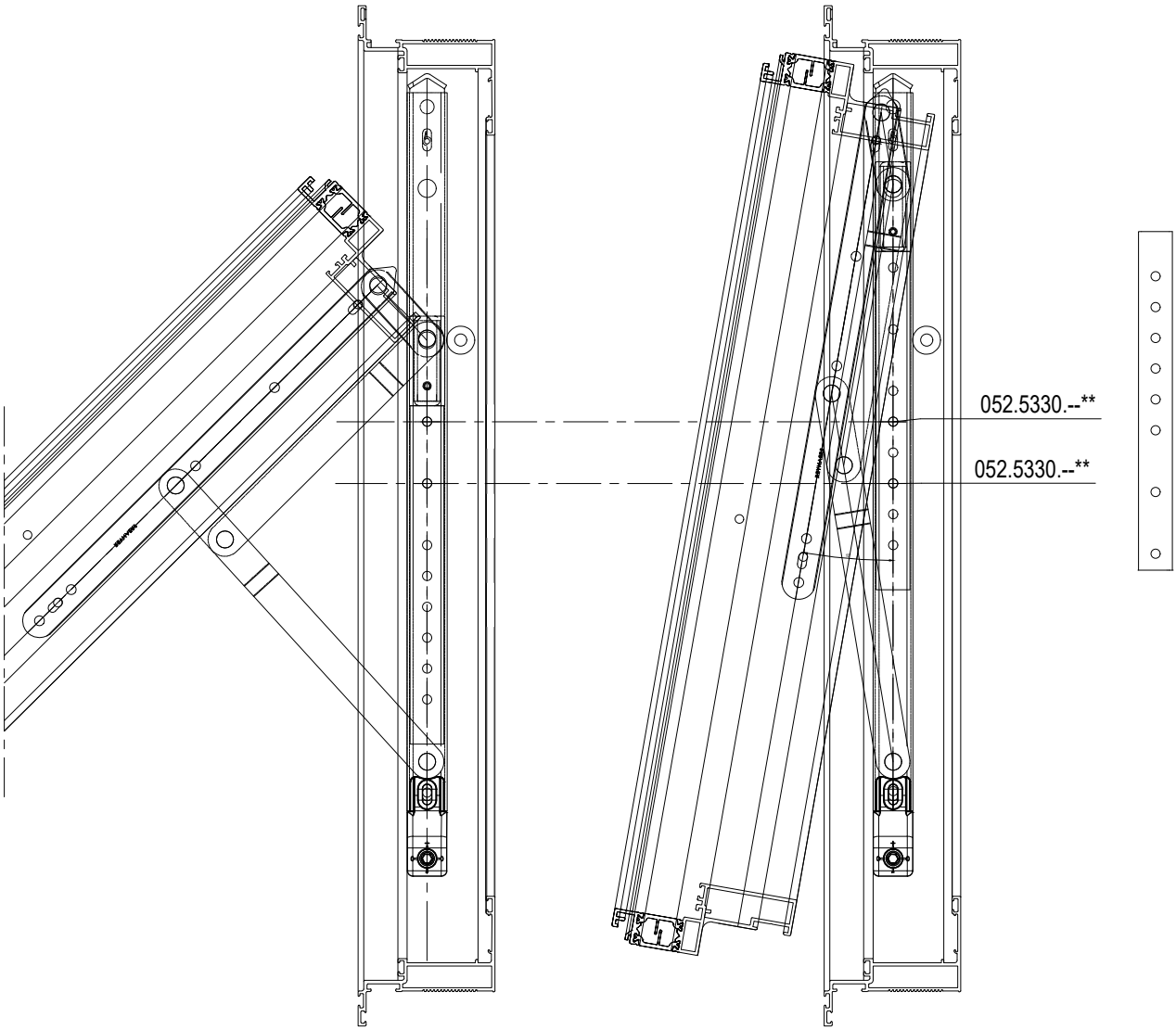
060.8105.--



060.8106.--



GEINTEGREERDE BEGRENZER
LIMITEUR INTEGRE
BUILT-IN RESTRICTOR
EINGEBAUTEN BEGRENZER



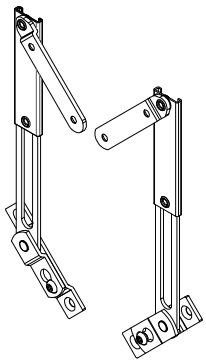
052.5330.-- **

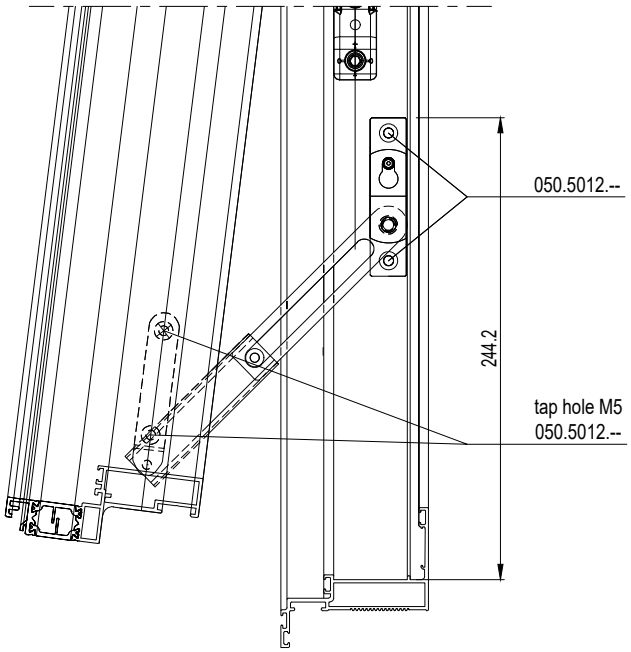
OPENING PAS BOREN EN SCHROEVEN NA AFSTELLEN VAN DE SCHAAR
TROU A PERCER ET A VISSER APRES RÉGLAGE DU COMPAS
DRILL AND SCREW THE OPENING ONLY AFTER ADJUSTMENT OF FRICTION STAYS
LOCH BOHREN UND SCHRAUBEN NUR NACH EINSTELLUNG DER AUSSTELLSCHERE

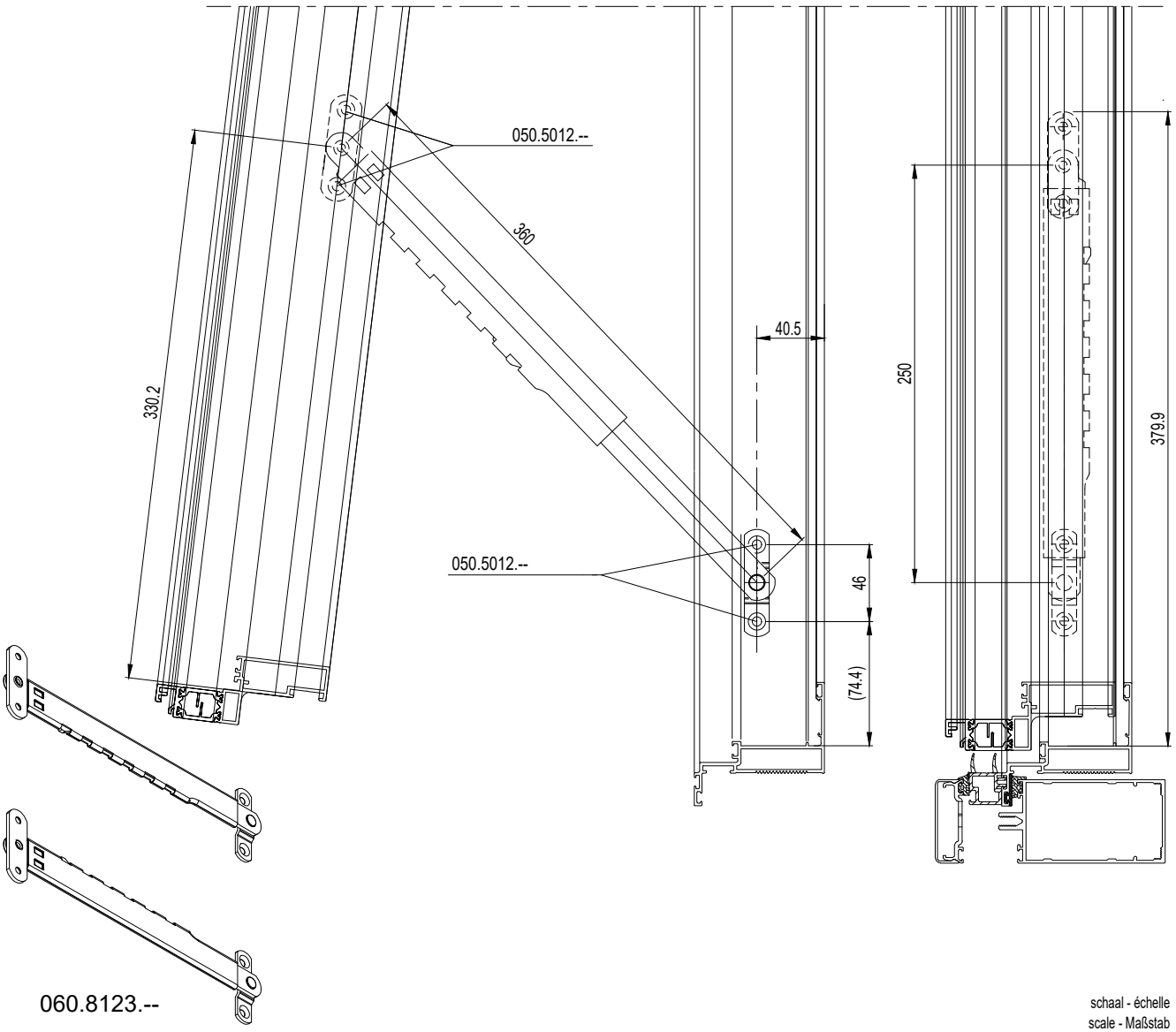
schaal - échelle
scale - Maßstab
1/2

F

060.8124.--



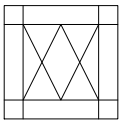


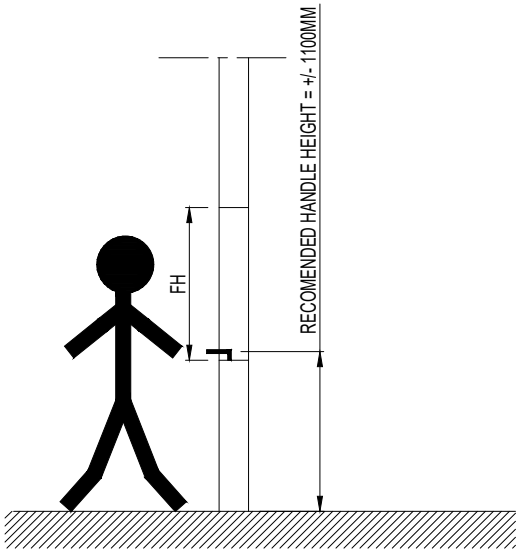


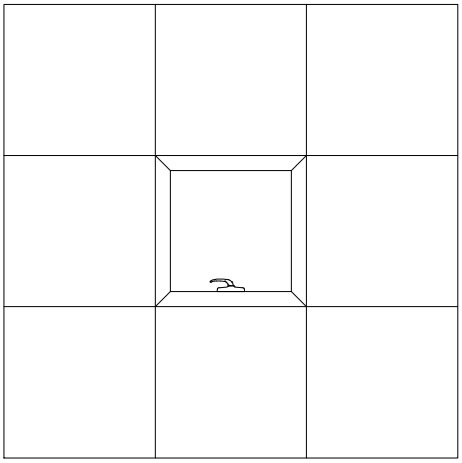
060.8123.--

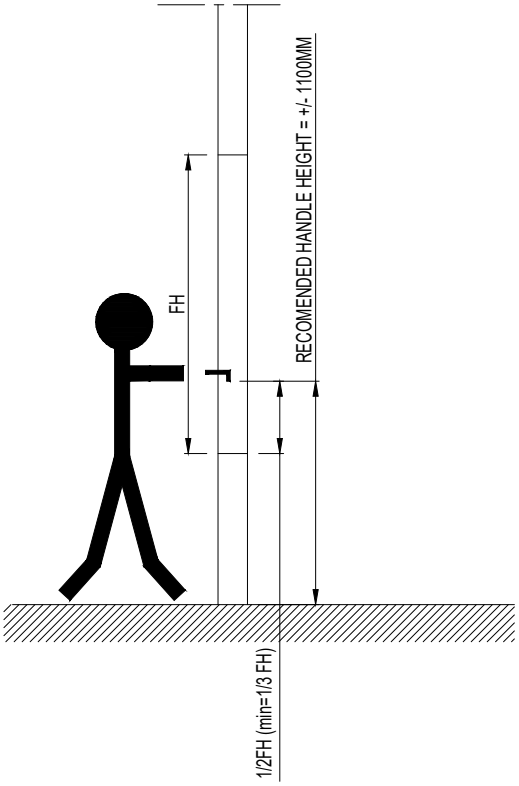
schaal - échelle
scale - Maßstab
1/2

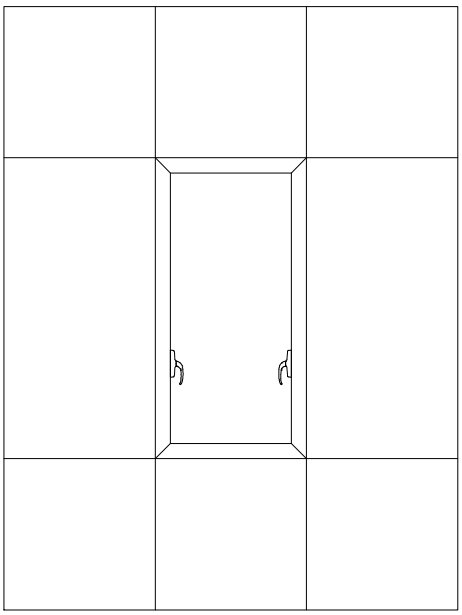
F



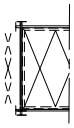

RECOMENDED HANDLE HEIGHT = +/- 1100MM
FH



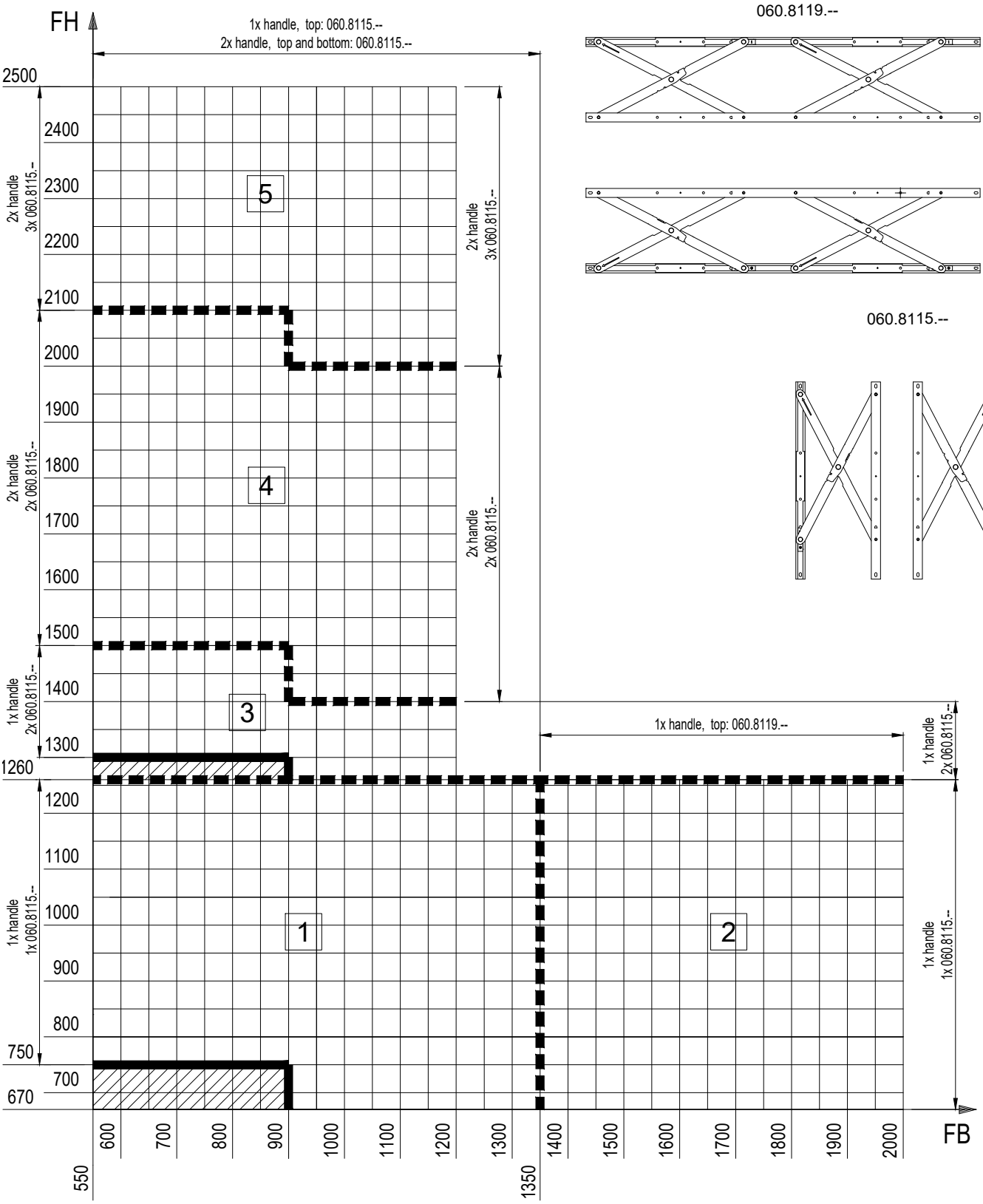

RECOMENDED HANDLE HEIGHT = +/- 1100MM
FH
1/2FH (min=1/3 FH)



F

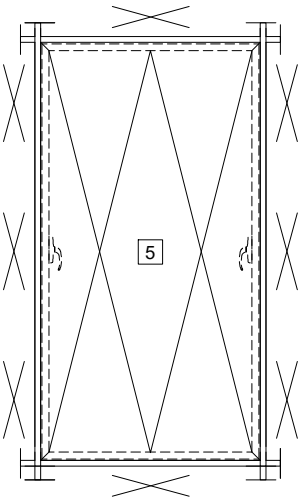


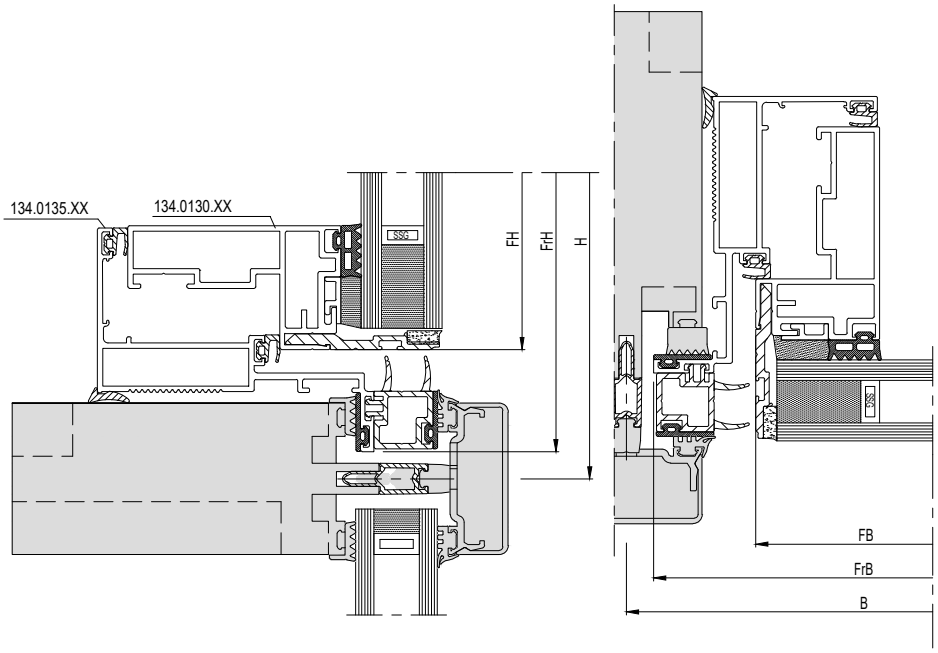
	FG MAX	FH MIN	FH MAX	FB MAX	opening	cavity
1x 060.8115.--	100 kg	670	1260	2000	180	16.9-1
2x 060.8115.--	100 kg	1261	2100	1200	180	16.9-1
3x 060.8115.--	100 kg	2001	2500	1200	180	16.9-1

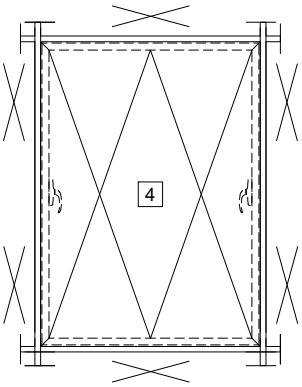


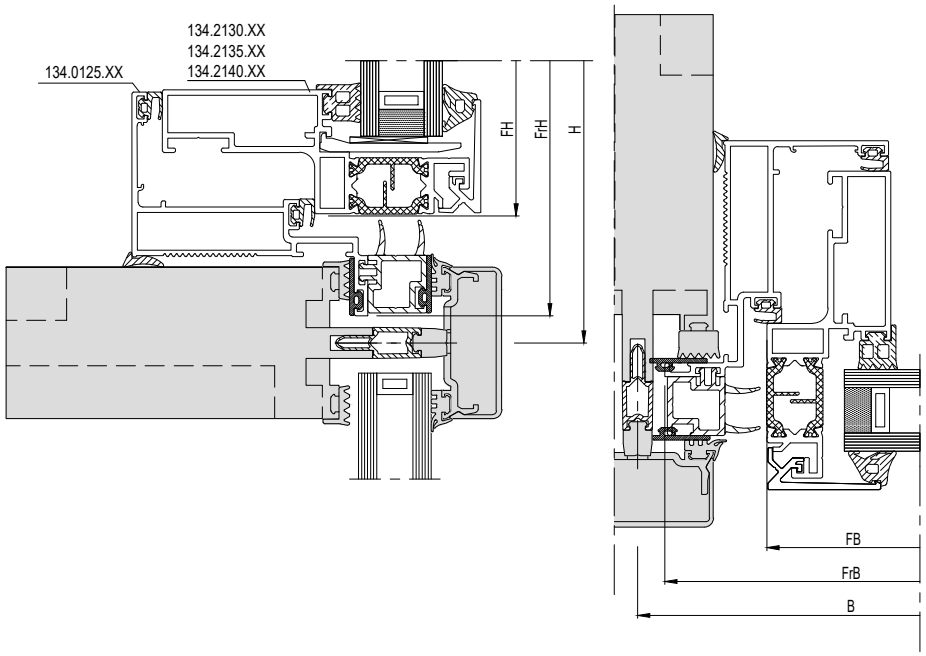
060.8119.--

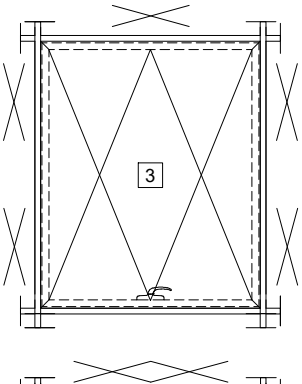
060.8115.--

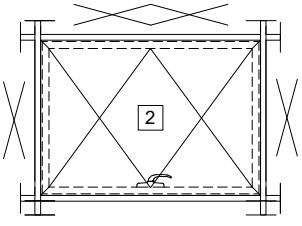

5

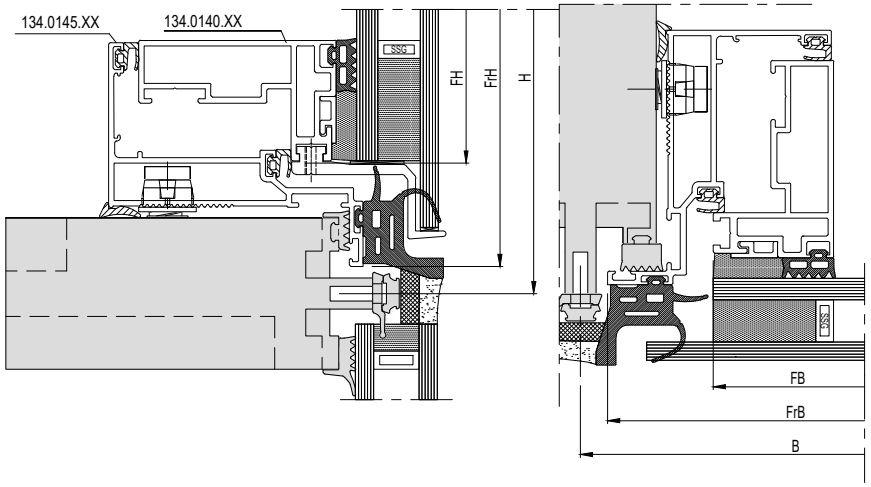

134.0135.XX
134.0130.XX
FH
FrH
H
FB
FrB
B

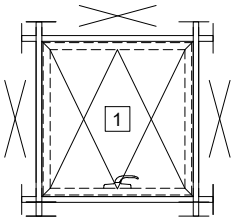

4


134.2130.XX
134.2135.XX
134.2140.XX
134.0125.XX
FH
FrH
H
FB
FrB
B


3


2

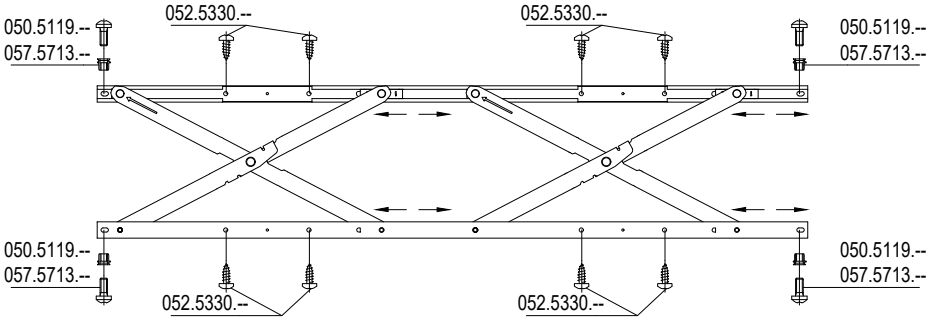

134.0145.XX
134.0140.XX
FH
FrH
H
FB
FrB
B


1

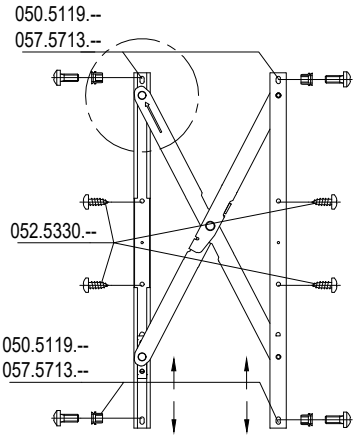
ETAG 002

F

060.8119.--



060.8115.--

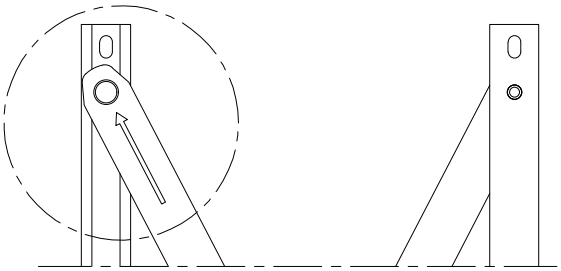


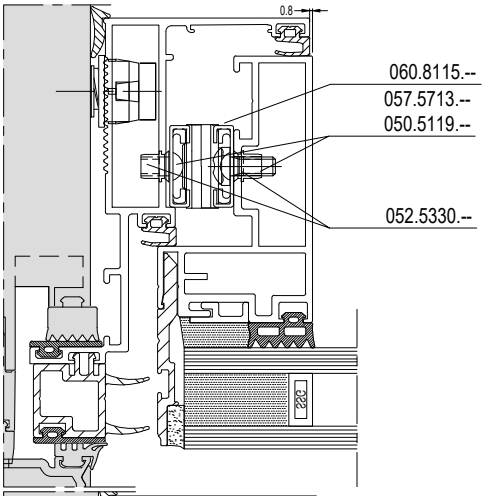
OPENING PAS BOREN EN SCHROEVEN NA AFSTELLEN VAN DE SCHAAR
TROU A PERCER ET A VISSER APRES RÈGLAGE DU COMPAS
DRILL THE OPENING AND SCREW ONLY AFTER ADJUSTMENT OF FRICTION STAYS
LOCH BOHREN UND SCHRAUBEN NUR NACH EINSTELLUNG DER AUSSTELLSCHERE

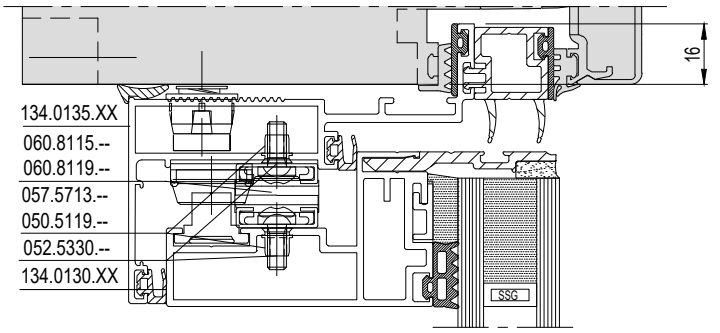
VLEUGEL
OUVRANT
VENT
FLUEGEL

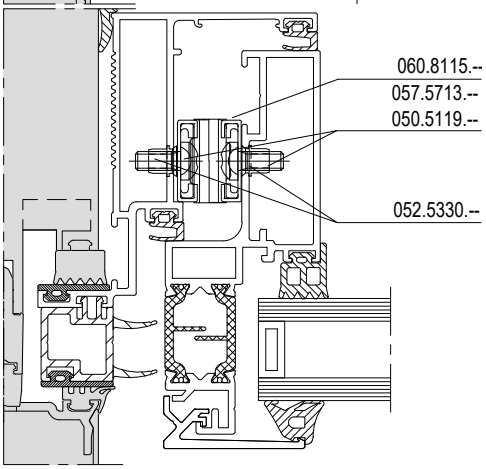
BOVEN
EN HAUT
TOP
OBEN

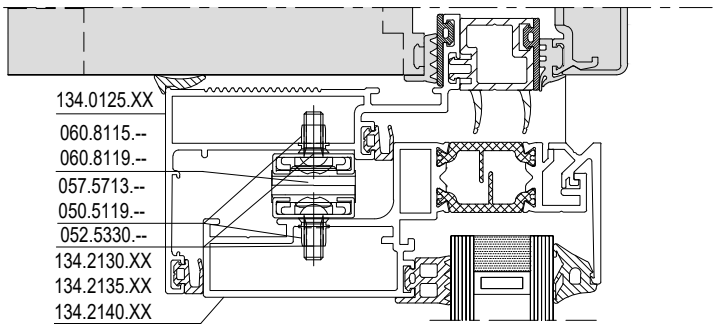
KADER
CADRE
FRAME
RAHME

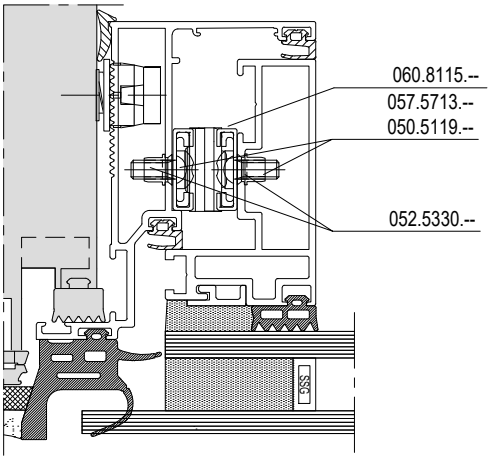


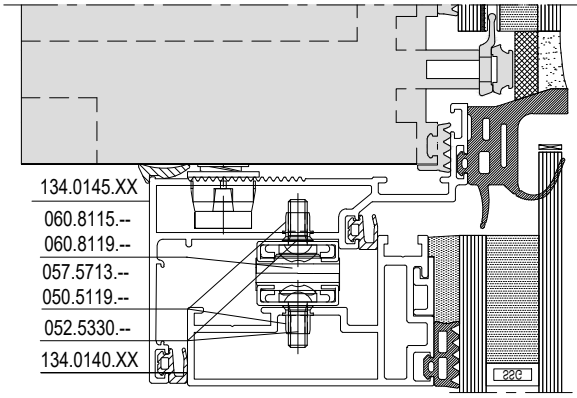








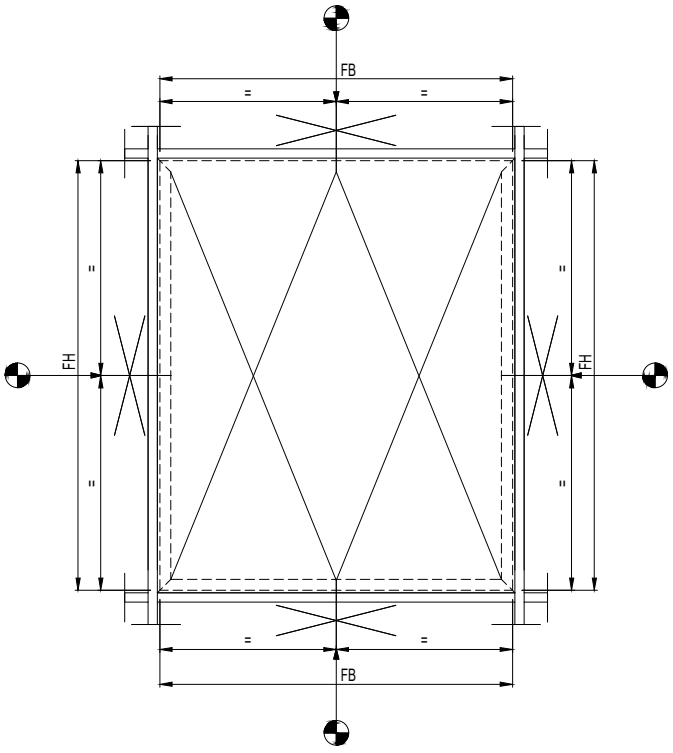


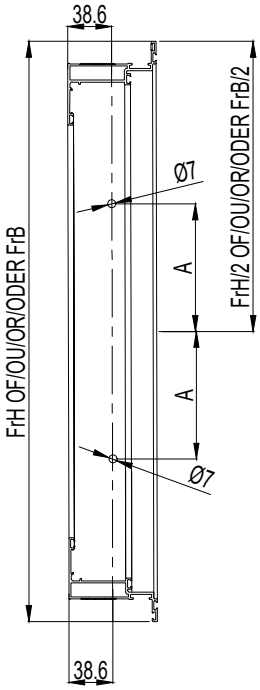


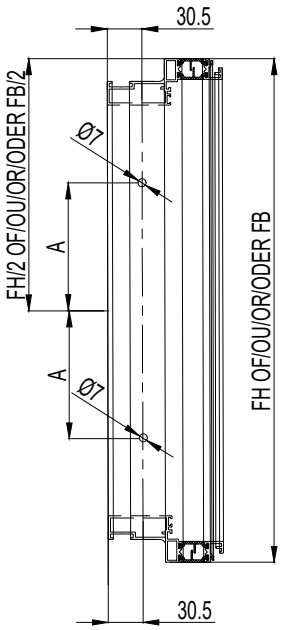
ETAG
002

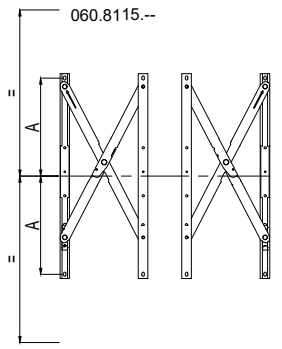
schaal - échelle
scale - Maßstab
1/2

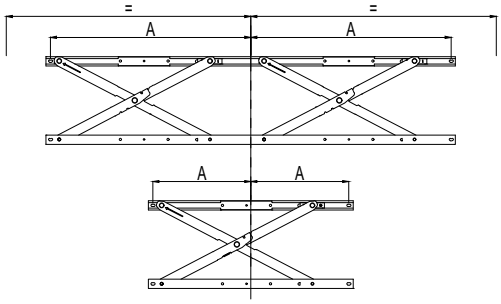
F









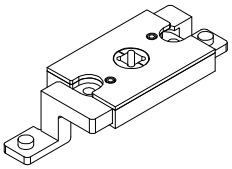


	A(MM)	MAX Opening
060.8115.--	225	180
060.8119.--	460	180

schaal - échelle
scale - Maßstab
1/2

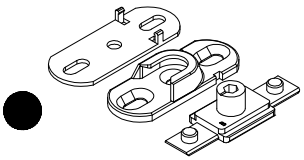
060.6455.--
060.6459.--
060.8586.--
061.6451.--
061.8961.--

060.8199.--



WINDBELASTING
CHARGE DE VENT
WIND LOAD
WINDLAST
MAX 1400 PA

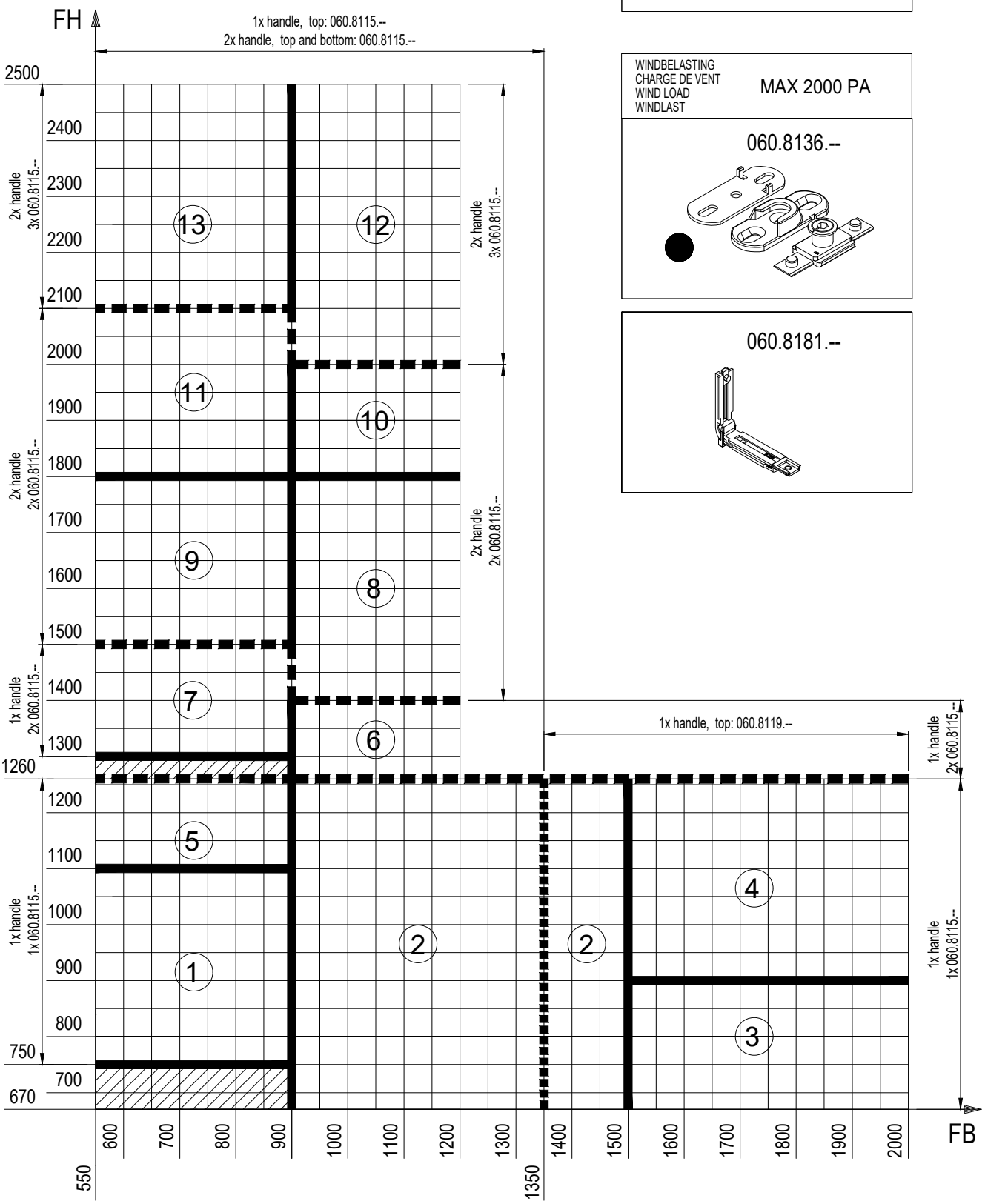
060.8135.--

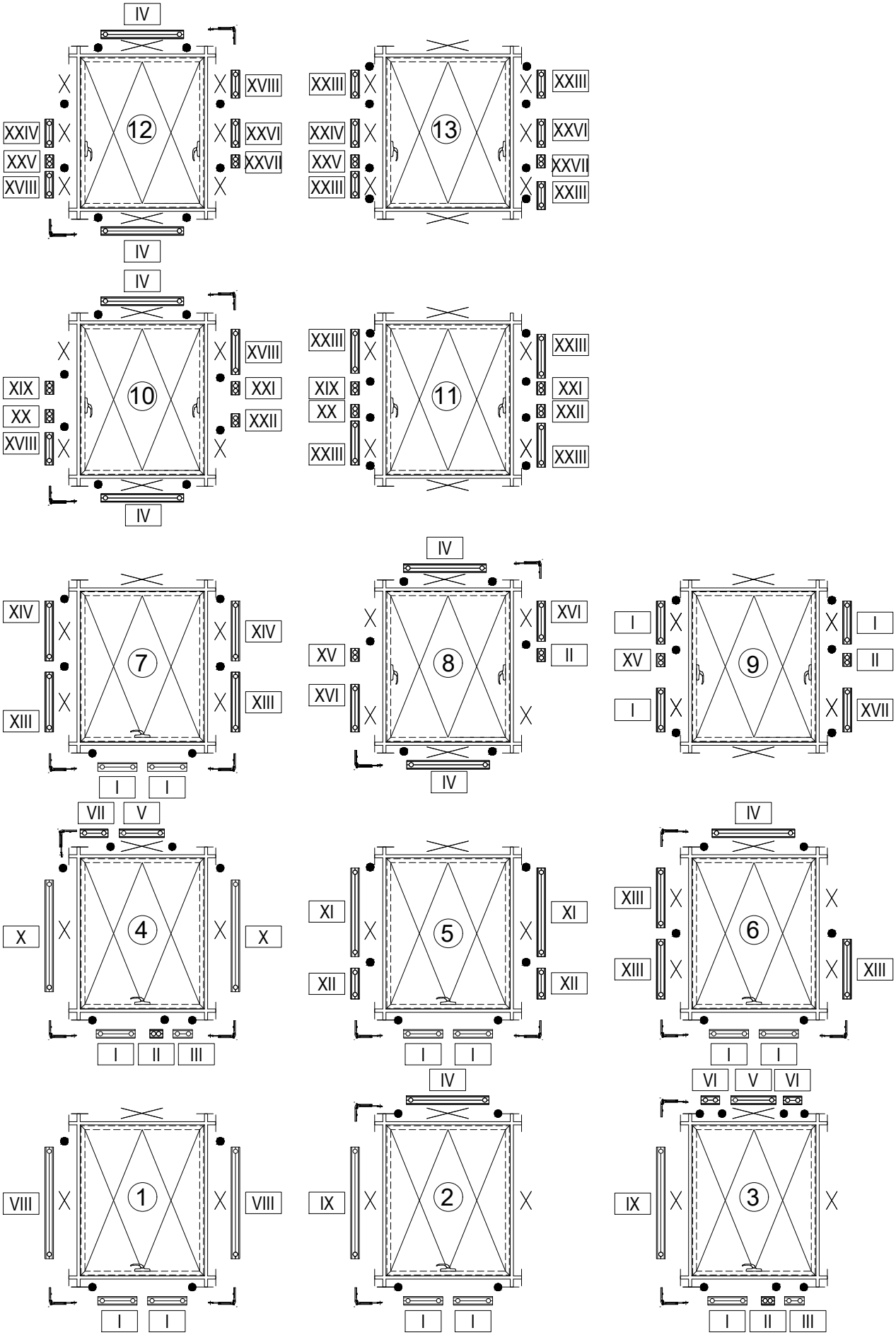


WINDBELASTING
CHARGE DE VENT
WIND LOAD
WINDLAST
MAX 2000 PA

060.8136.--

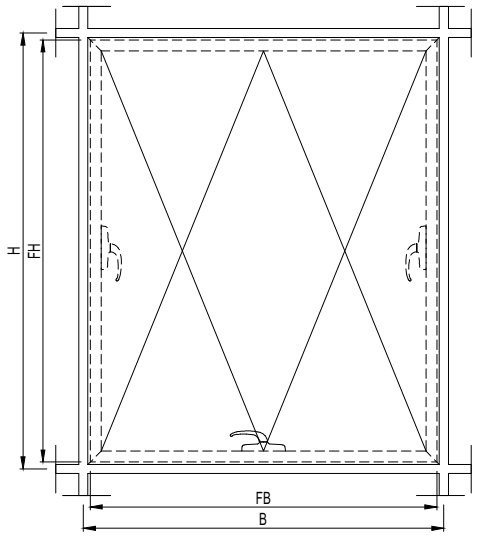
060.8181.--

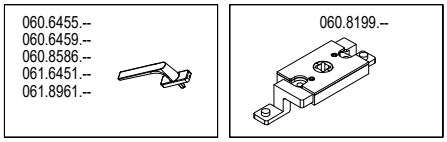


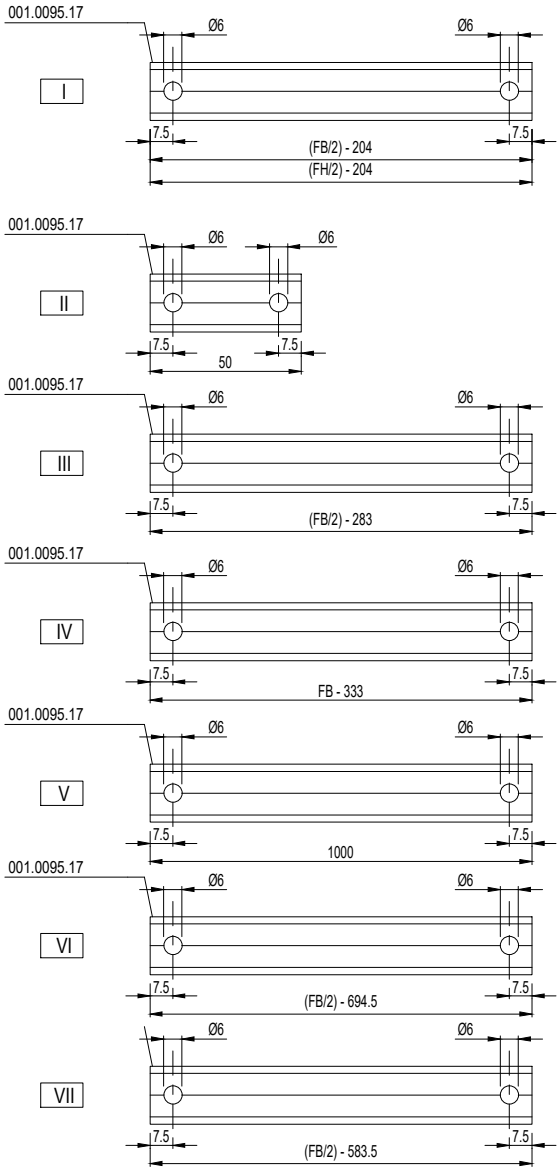

IV
XVIII
XXIV
XXVI
XXV
XXVII
XVIII
12
IV
XXIII
XXIII
XXIV
XXVI
XXV
XXVII
XXIII
13
XXIII
IV
XVIII
XIX
XXI
XX
XXII
XVIII
10
IV
XXIII
XXIII
XIX
XXI
XX
XXII
XXIII
11
XXIII
IV
XIV
XIV
XIII
XIII
7
I
I
IV
XVI
XV
II
XVI
8
IV
I
I
XV
II
I
XVII
9
VII
V
X
X
4
I
II
III
XI
XI
XII
XII
5
I
I
IV
XIII
XIII
XIII
XIII
6
I
I
IV
VIII
VIII
1
I
I
IV
IX
2
I
I
VI
V
VI
IX
3
I
II
III

F

AFMETINGEN TRINGELS POW
DIMENSIONS TRINGLES POW
DIMENSIONS LOCKING RODS POW
ABMESSUNGEN STANGES POW



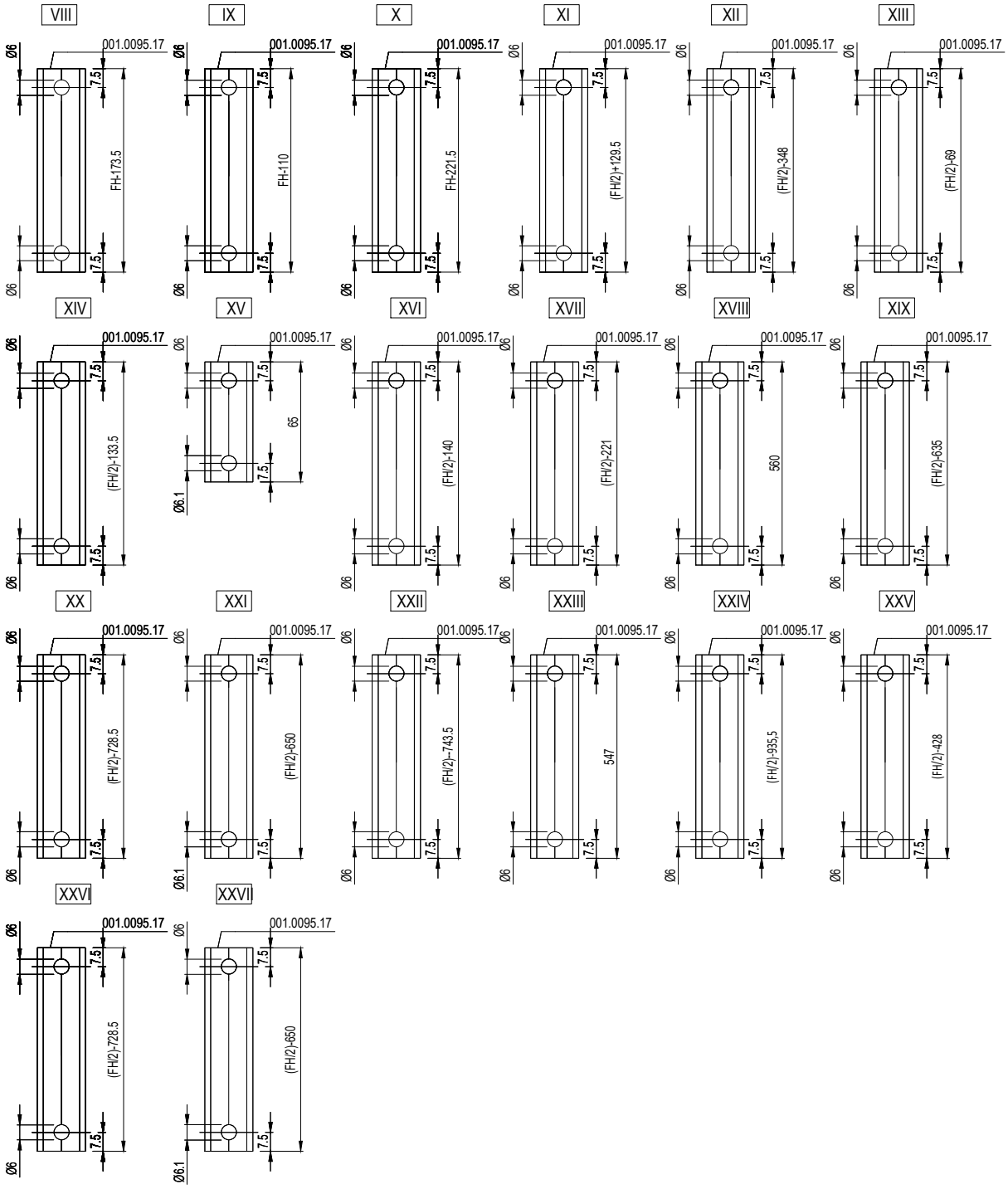




F

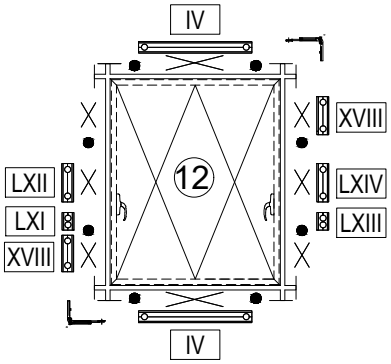
schaal - échelle
scale - Maßstab
1/2

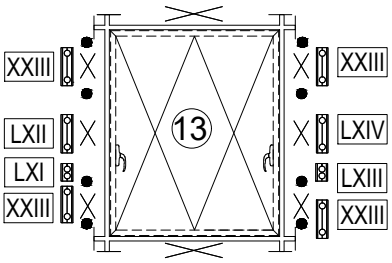
AFMETINGEN TRINGELS POW
DIMENSIONS TRINGLES POW
DIMENSIONS LOCKING RODS POW
ABMESSUNGEN STANGES POW

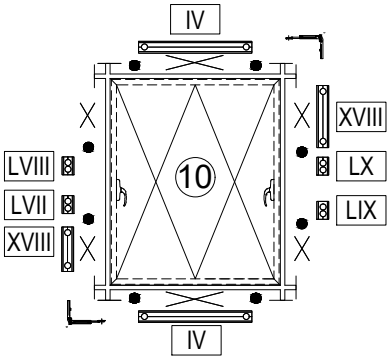


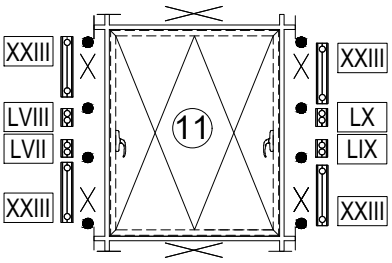
schaal - échelle
scale - Maßstab
1/2

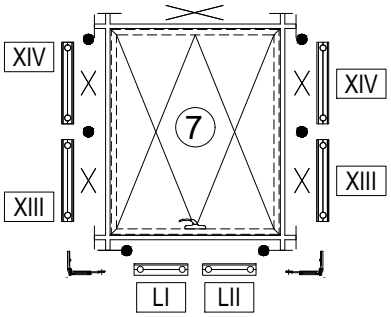
DIMENSIONS TRINGLES POW ERRETI RAAMPOMP
DIMENSIONS DES TRINGLES DE REGLAGE POW ERRETI CREMONE
DIMENSIONS LOCKING RODS POW ERRETI HANDLE
ABMESSUNGEN STANGES POW ERRETI HANDHEBEL

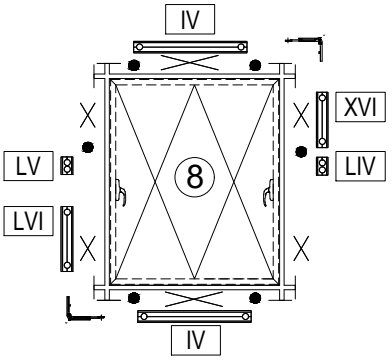


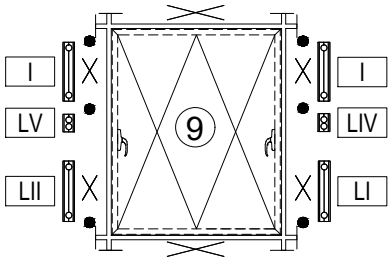


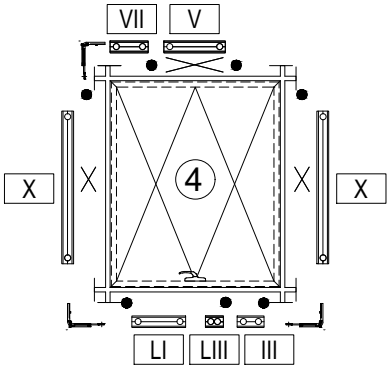


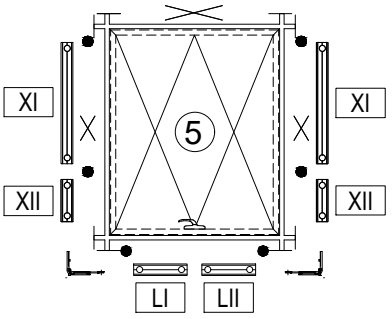


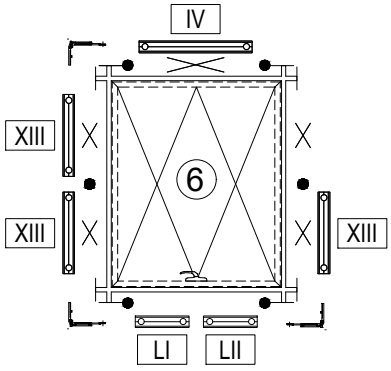


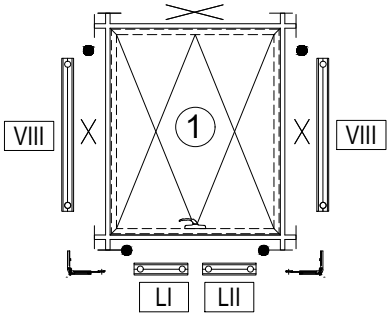


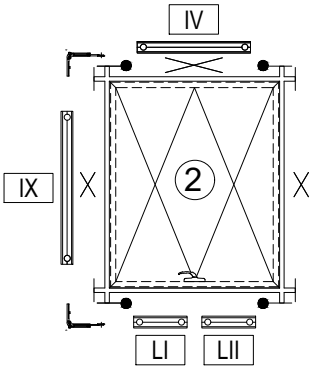


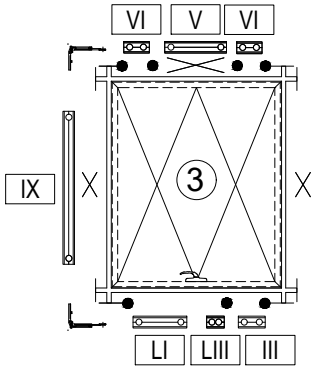








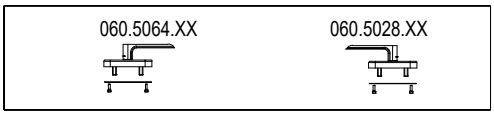


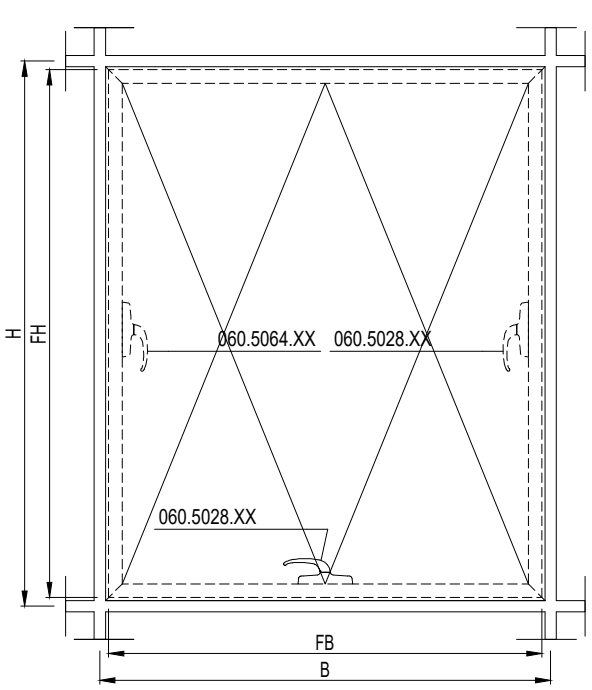


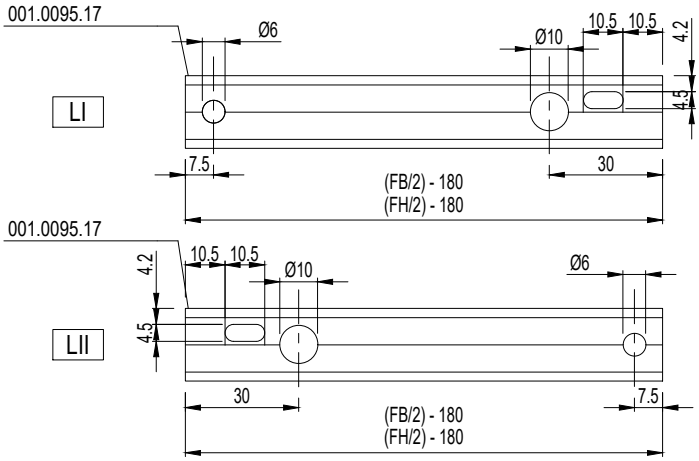
schaal - échelle
scale - Maßstab
1/2

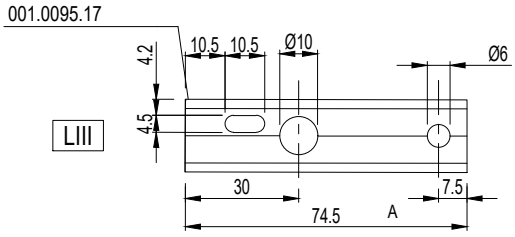
F

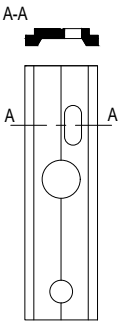
DIMENSIONS TRINGLES POW ERRETI RAAMPOMP
DIMENSIONS DES TRINGLES DE REGLAGE POW ERRETI CREMONE
DIMENSIONS LOCKING RODS POW ERRETI HANDLE
ABMESSUNGEN STANGES POW ERRETI HANDHEBEL

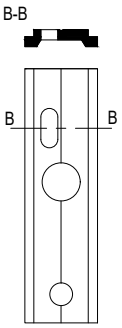


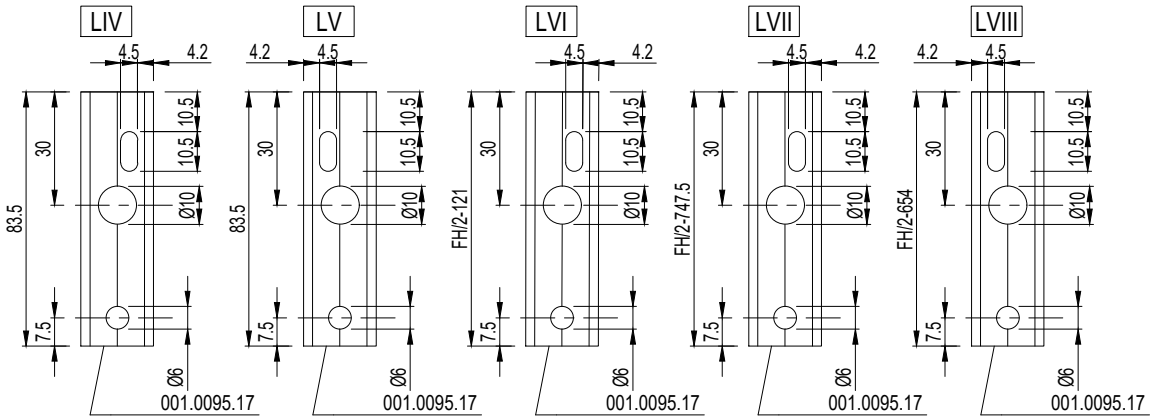


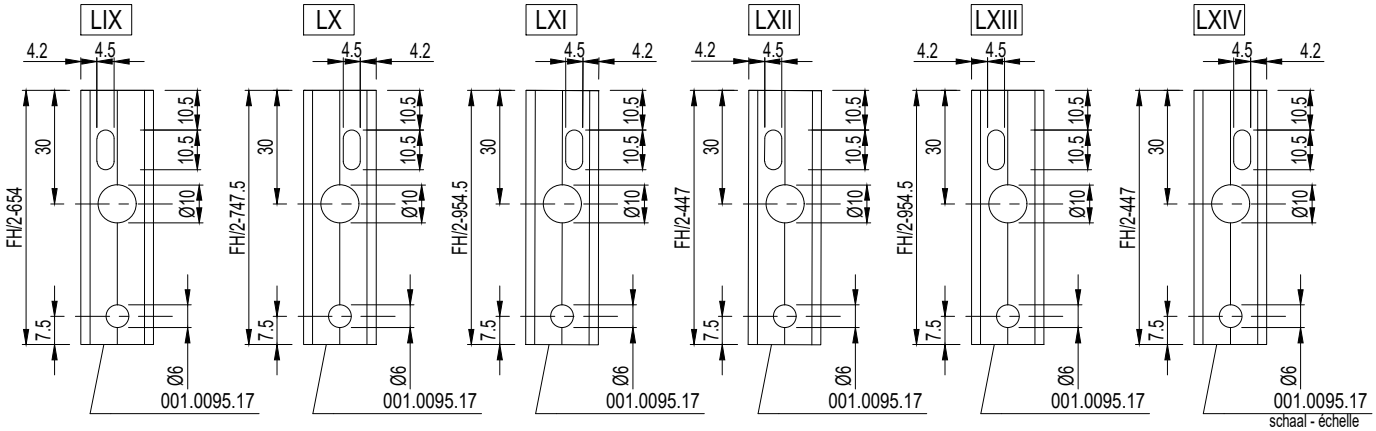








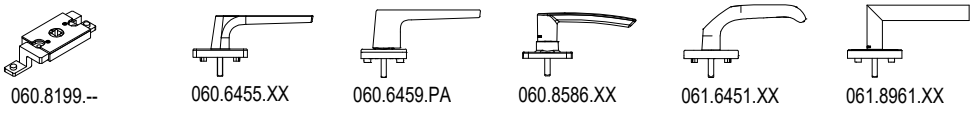


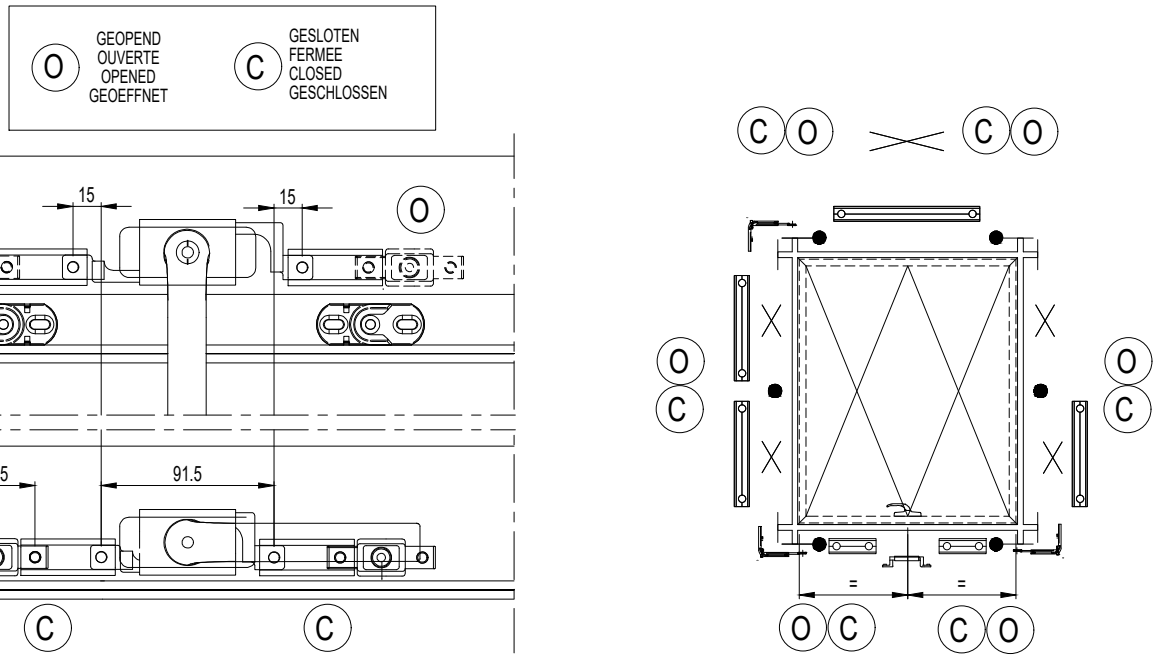


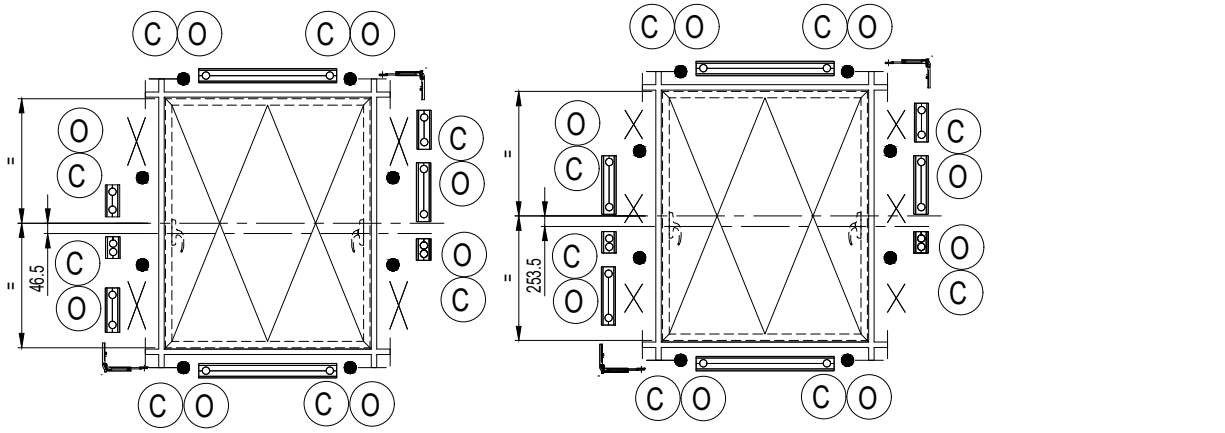
schaal - échelle
scale - Maßstab
1/2

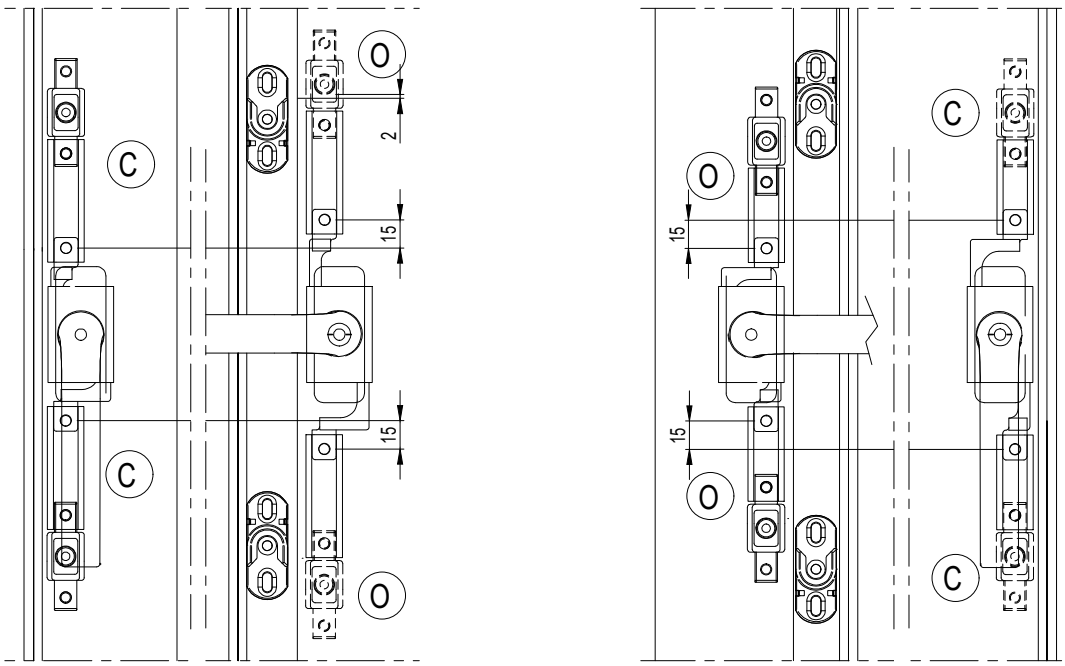
F

POW MONTAGE KRUK
POW ASSEMBLAGE POIGNEE
POW ASSEMBLY HANDLE
POW EINBAU HANDGRIFF



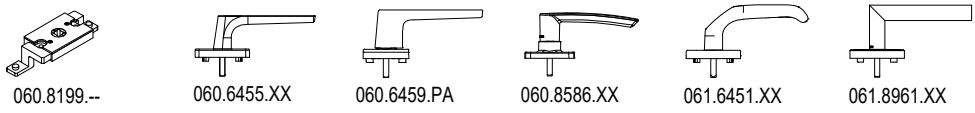




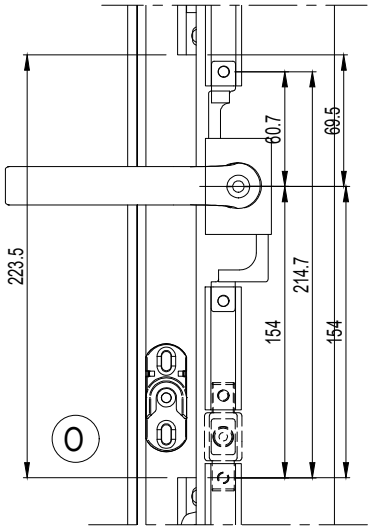


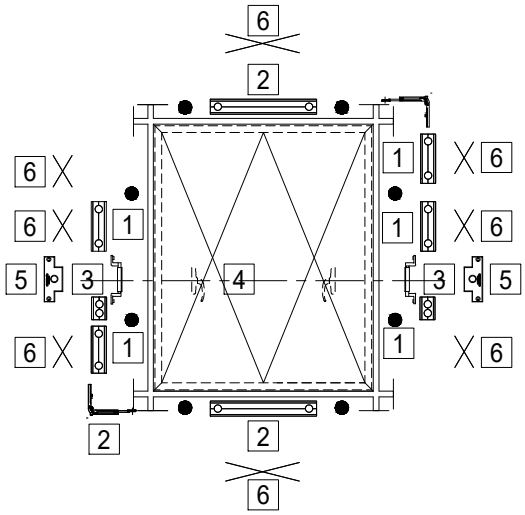
schaal - échelle
scale - Maßstab
1/2

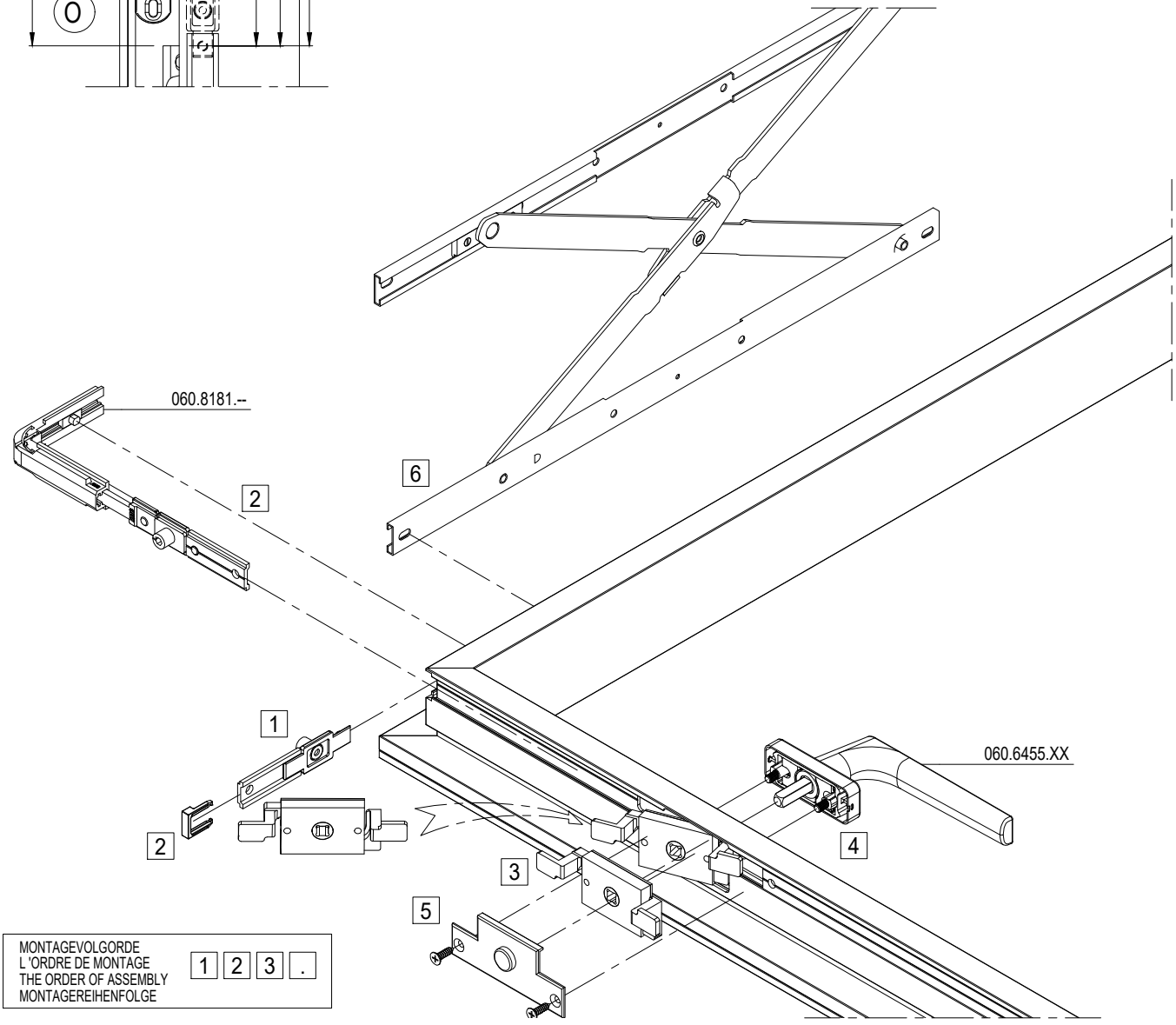
POW MONTAGE KRUK
POW ASSEMBLAGE POIGNEE
POW ASSEMBLY HANDLE
POW EINBAU HANDGRIFF



MINIMALE INBOUWMAAT
TAILLE D'INSTALLATION MINIMALE
MINIMUM SIZE FOR INSTALLATION
MINDESTGROESSE FUER DIE INSTALLATION







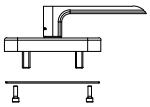
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

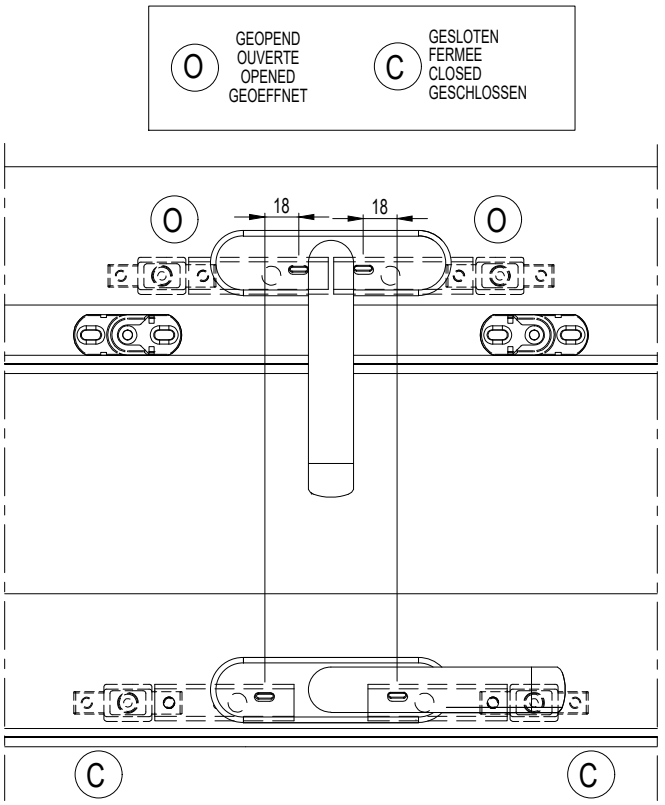
schaal - échelle
scale - Maßstab
1/2

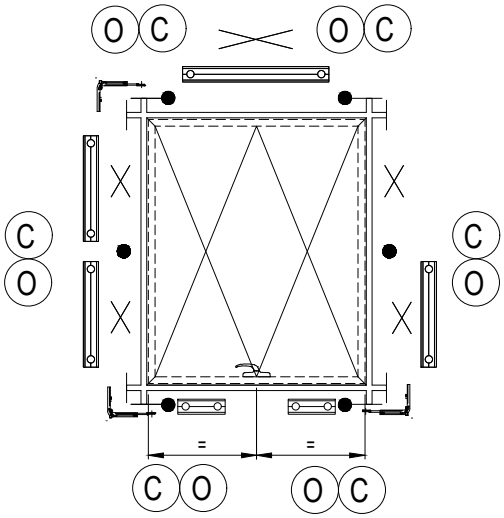
F

POW MONTAGE ERRETI RAAMPOMP
POW ASSEMBLAGE ERRETI CREMONE
POW ASSEMBLY ERRETI HANDLE
POW EINBAU ERRETI HANDHEBEL

060.5028.XX







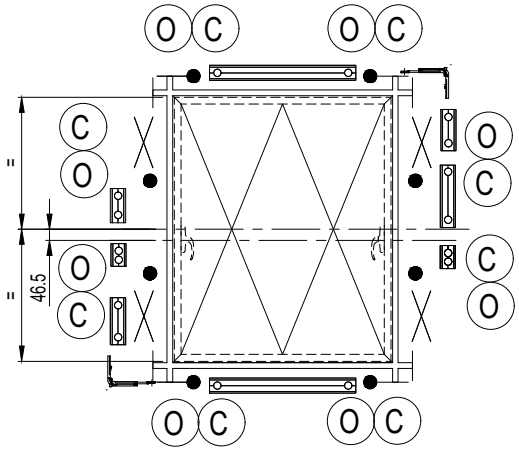
F

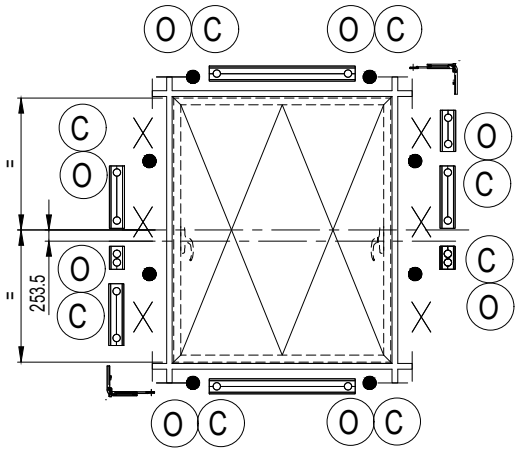
schaal - échelle
scale - Maßstab
1/2

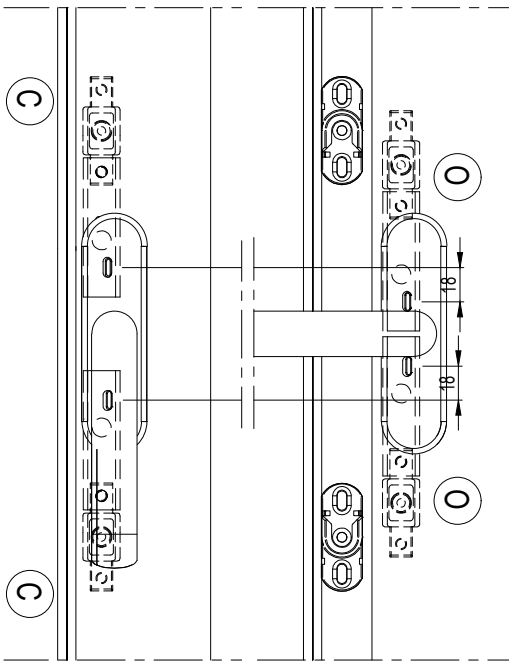
POW MONTAGE ERRETI RAAMPOMP
POW ASSEMBLAGE ERRETI CREMONE
POW ASSEMBLY ERRETI HANDLE
POW EINBAU ERRETI HANDHEBEL

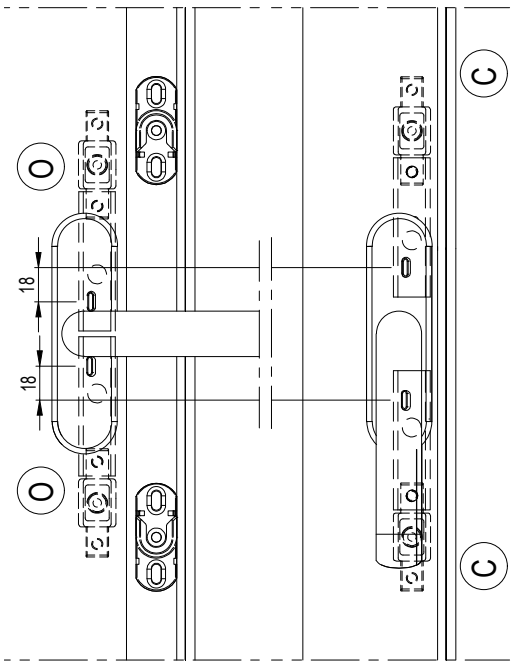
O GEOPEND OUVERTE OPENED GEOEFFNET

C GESLOTEN FERMEE CLOSED GESCHLOSSEN









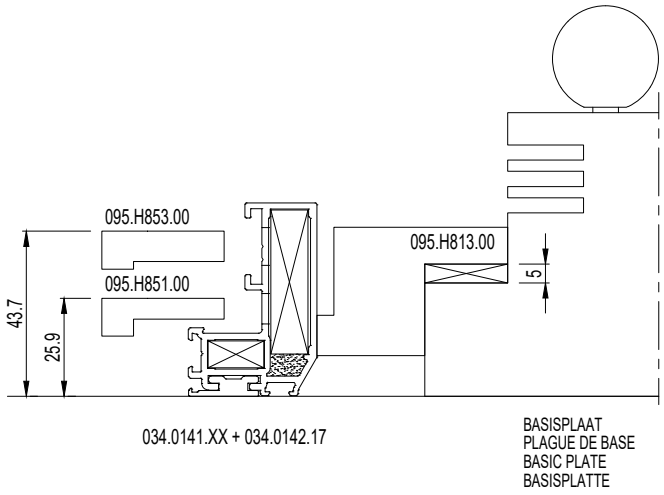
F

schaal - échelle
scale - Maßstab
1/2

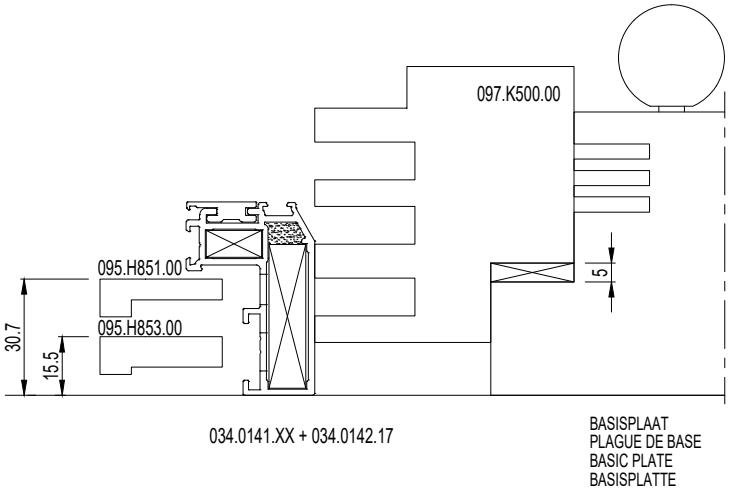
SAMENSTELLING VLEUGEL UITZETZAKRAAM
COMPOSITION VANTAIL FENETRE OUVRANT A L'ITALIENNE
COMPOSITION VENT TOP-HUNG WINDOW WITH FRICTION STAYS
ZUSAMMENSETZUNG DES FLUEGELS SNELKLAPFENSTER

schaal - échelle
scale - Maßstab
1/2

095.H800.00



095.H800.00

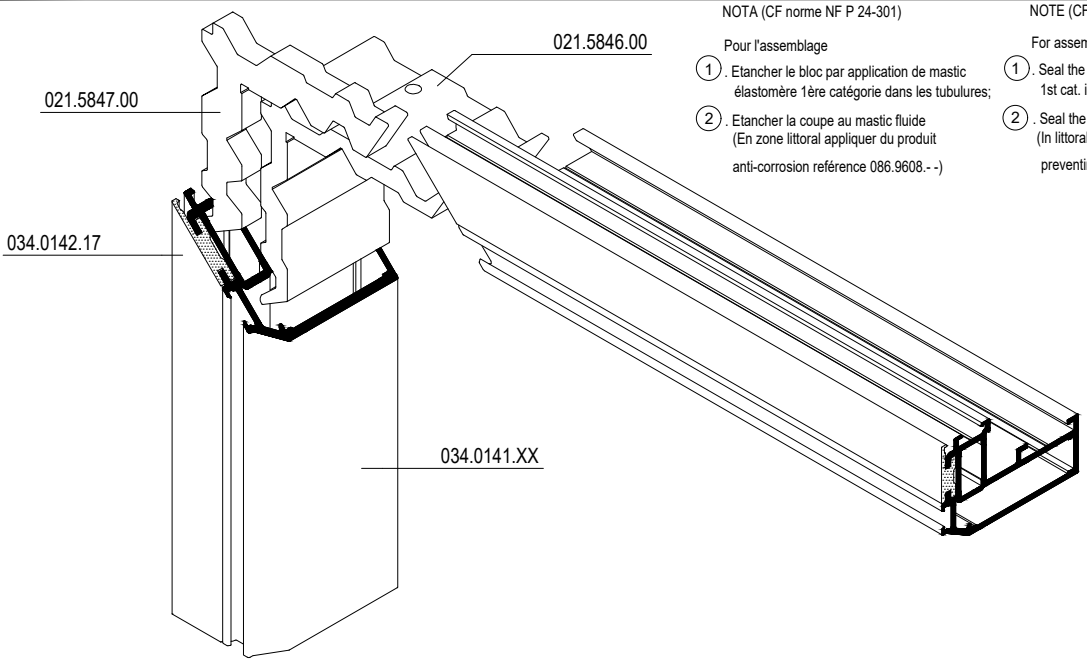


F

ETAG 002

schaal - échelle
scale - Maßstab
1/2

MONTAGE VLEUGEL
MONTAGE VANTAIL
ASSEMBLY VENT
MONTAGE FLUEGEL



NOTA (CF norme NF P 24-301)

Pour l'assemblage

(1). Etancher le bloc par application de mastic élastomère 1ère catégorie dans les tubulures;

(2). Etancher la coupe au mastic fluide (En zone littoral appliquer du produit anti-corrosion reférence 086.9608.- -)

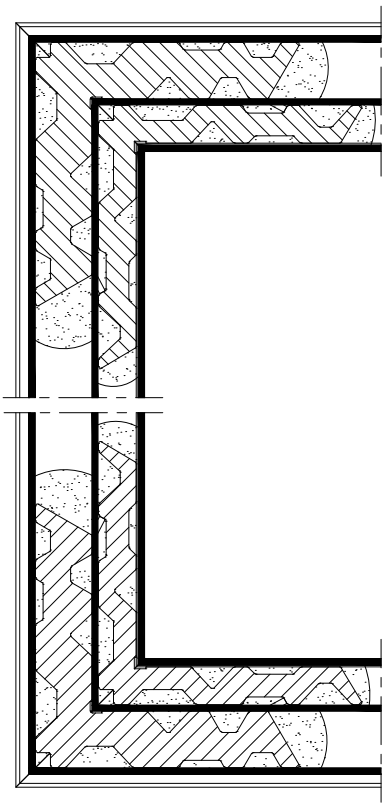
NOTE (CF standard NF P 24-301)

For assembly

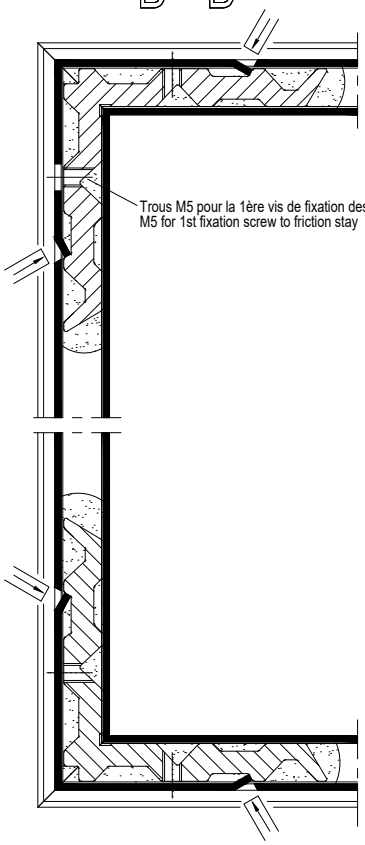
(1). Seal the block by means of sealing agent 1st cat. in outer frame

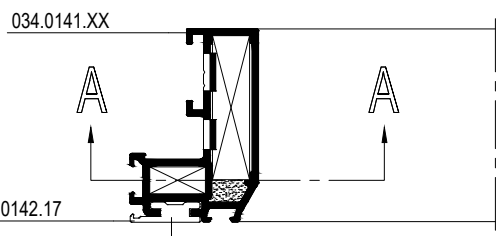
(2). Seal the saw cut by means of liquid sealing agent. (In littoral zone, applying a corrosion preventing agent ref : 086.9608.- -)

A - A

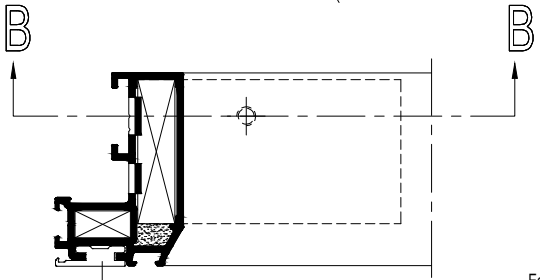


B - B



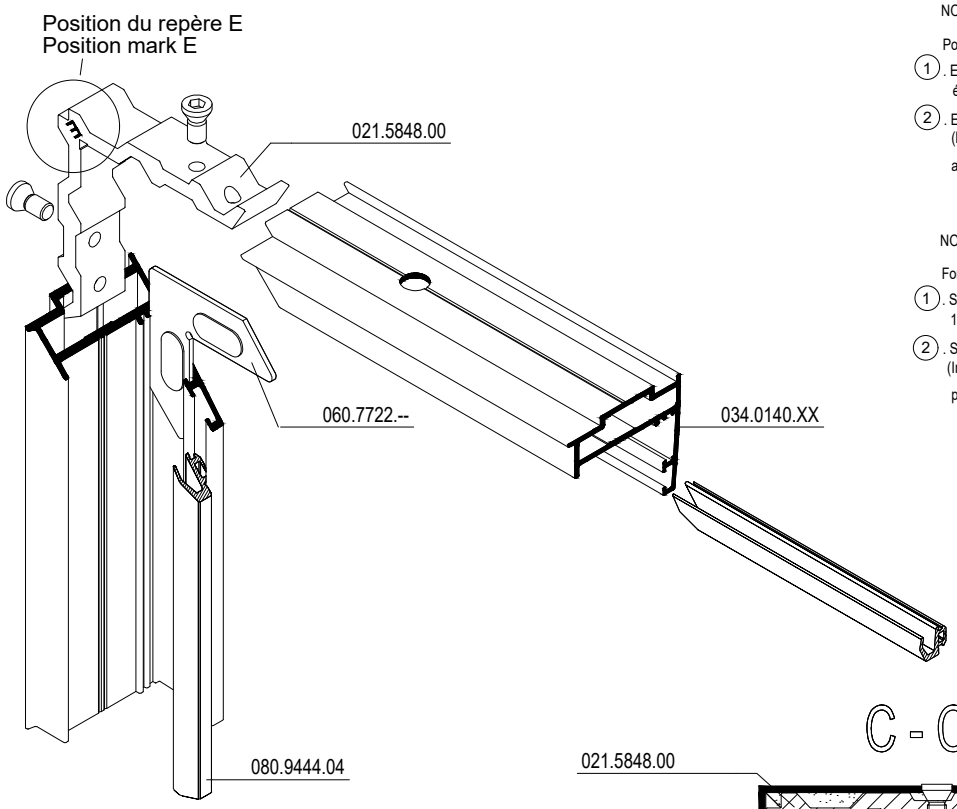


Glisser la barrette de collage 034.0142.17 avant sertissage
Insert profile 034.0142.17 before crimping



Echelle - Scale
1/2

ETAG
002



NOTA (CF norme NF P 24-301)

Pour l'assemblage

(1). Etancher le bloc par application de mastic élastomère 1ère catégorie dans les tubulures;

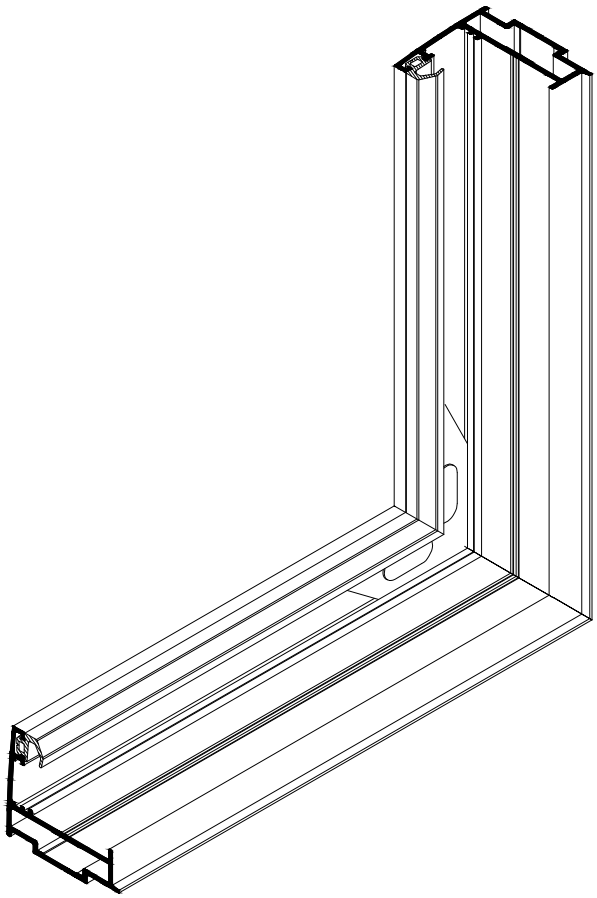
(2). Etancher la coupe au mastic fluide (En zone littoral appliquer du produit anti-corrosion reférence 086.9608.- -)

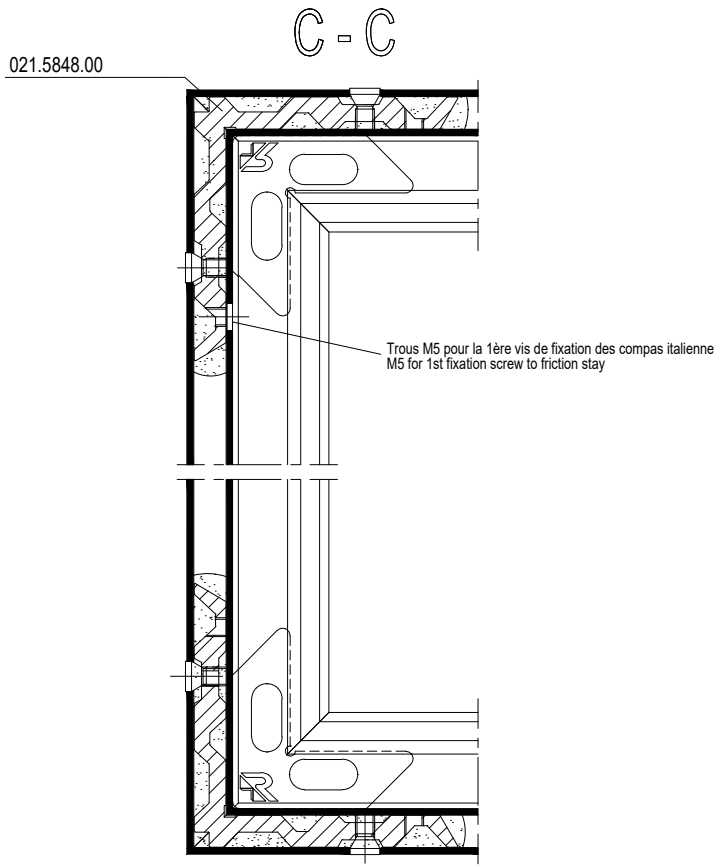
NOTE (CF standard NF P 24-301)

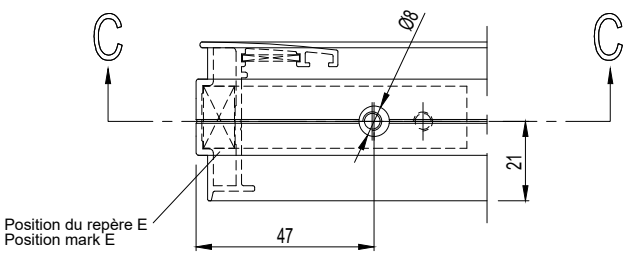
For assembly

(1). Seal the block by means of sealing agent 1st cat. in outer frame

(2). Seal the saw cut by means of liquid sealing agent. (In littoral zone, applying a corrosion preventing agent ref : 086.9608.- -)

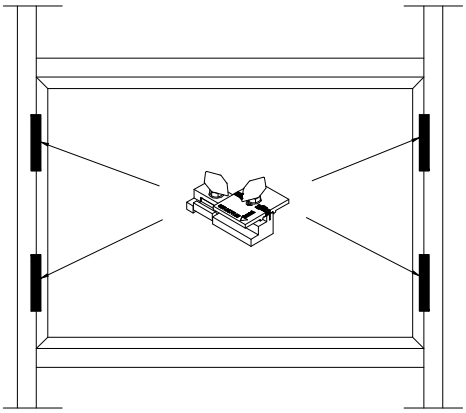


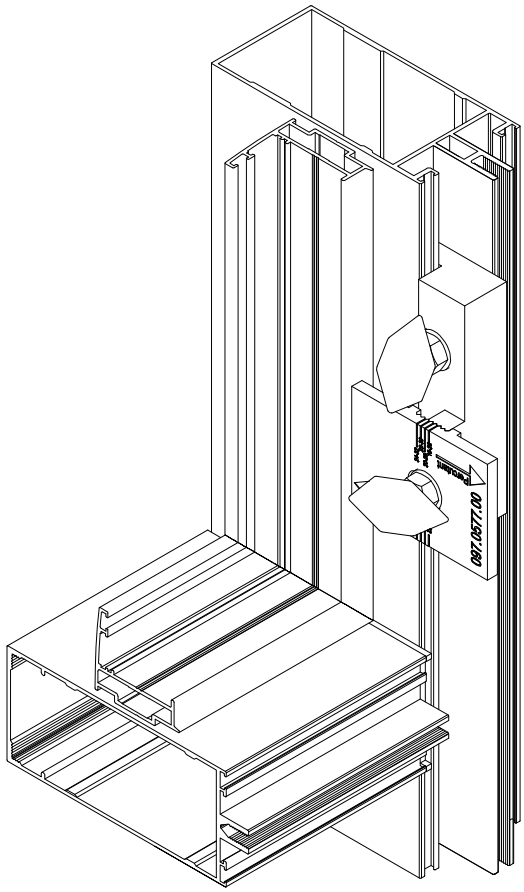


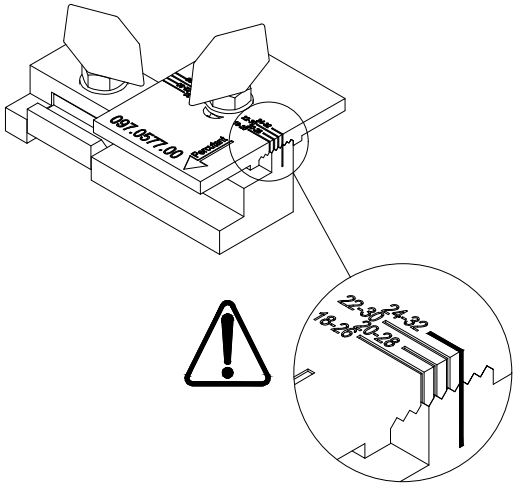


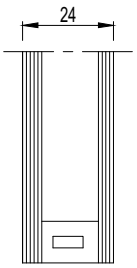
Echelle - Scale
1/2

F

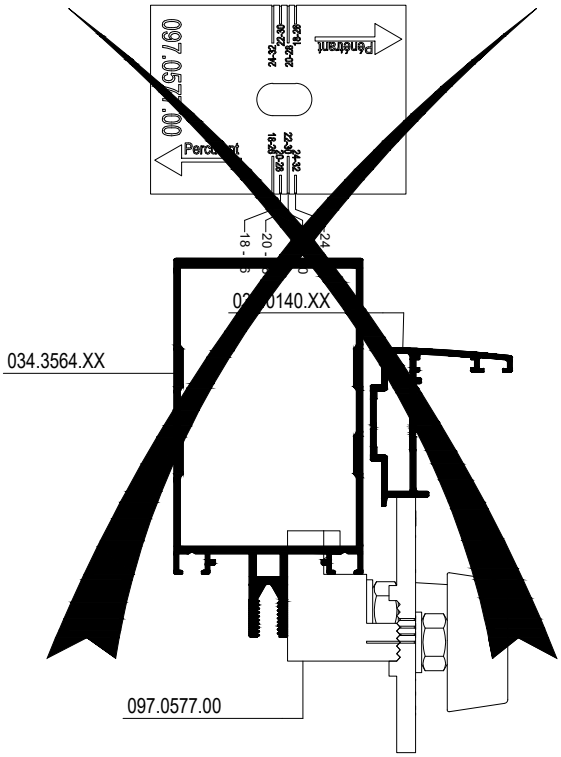




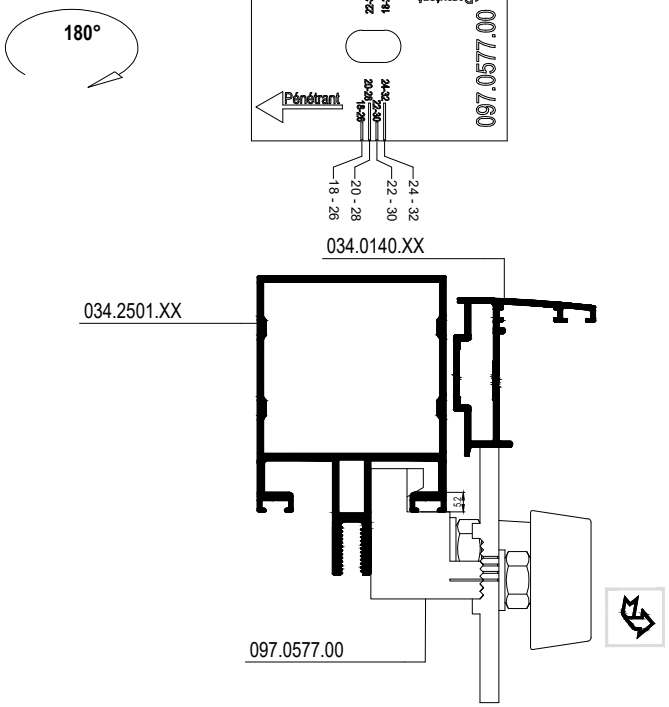




Système PERCUTANT
System CW 50-TT

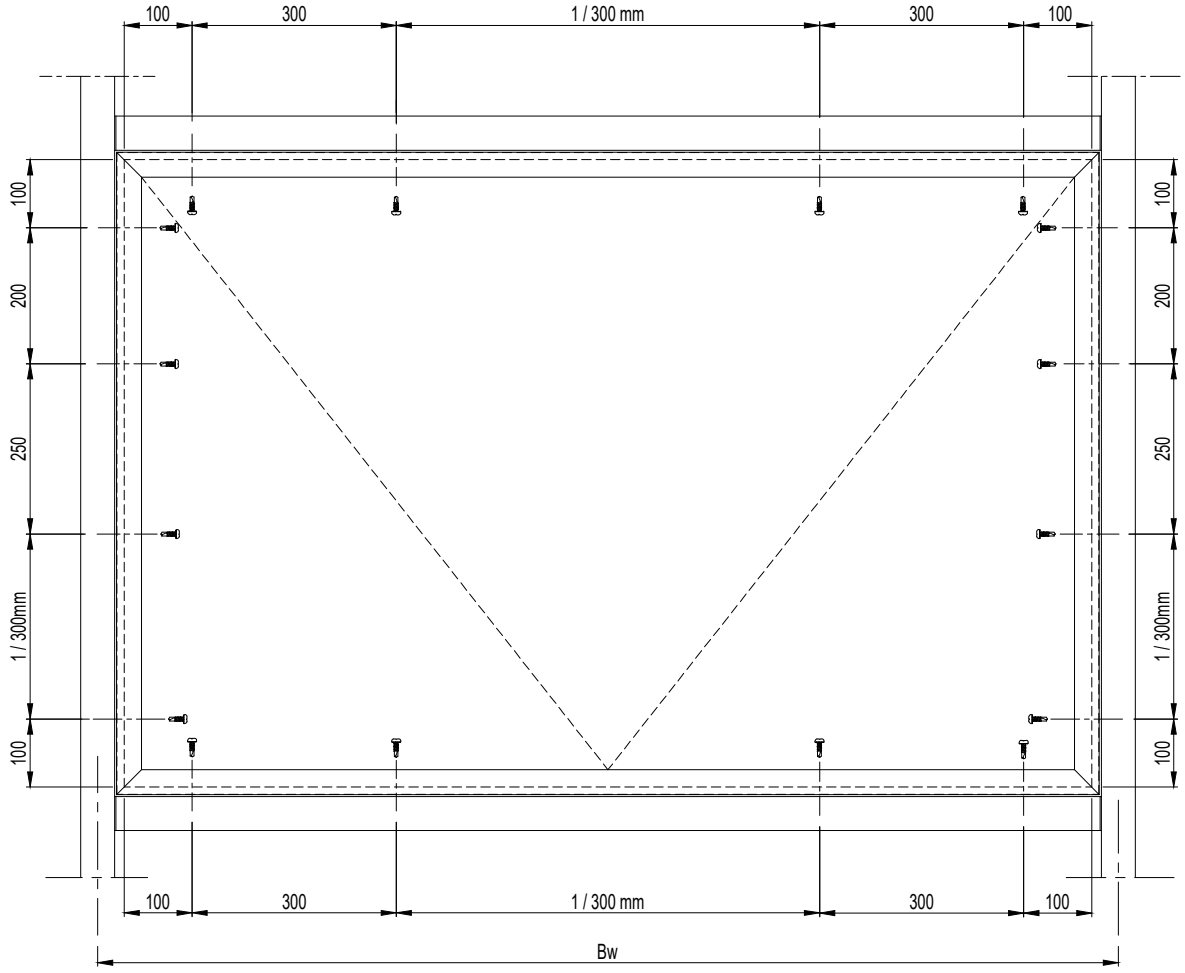


CW 50 - MT



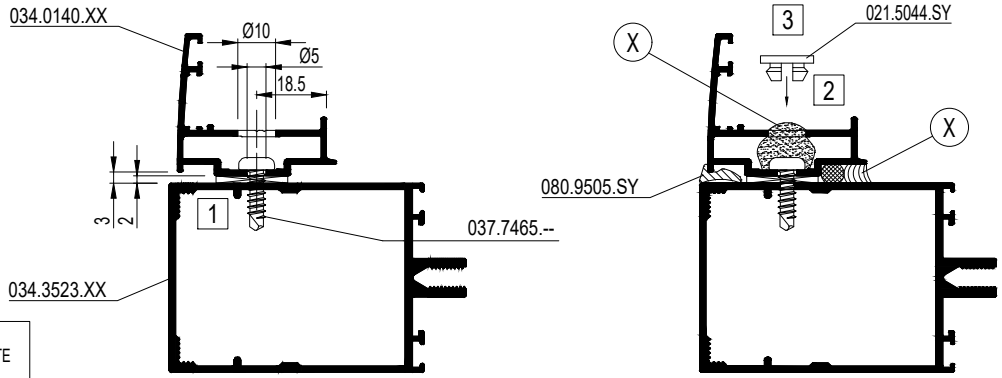
F

BUITENKADER
DORMANT
OUTER FRAME
BLENDRAHMEN



037.7465.--

021.5044.SY

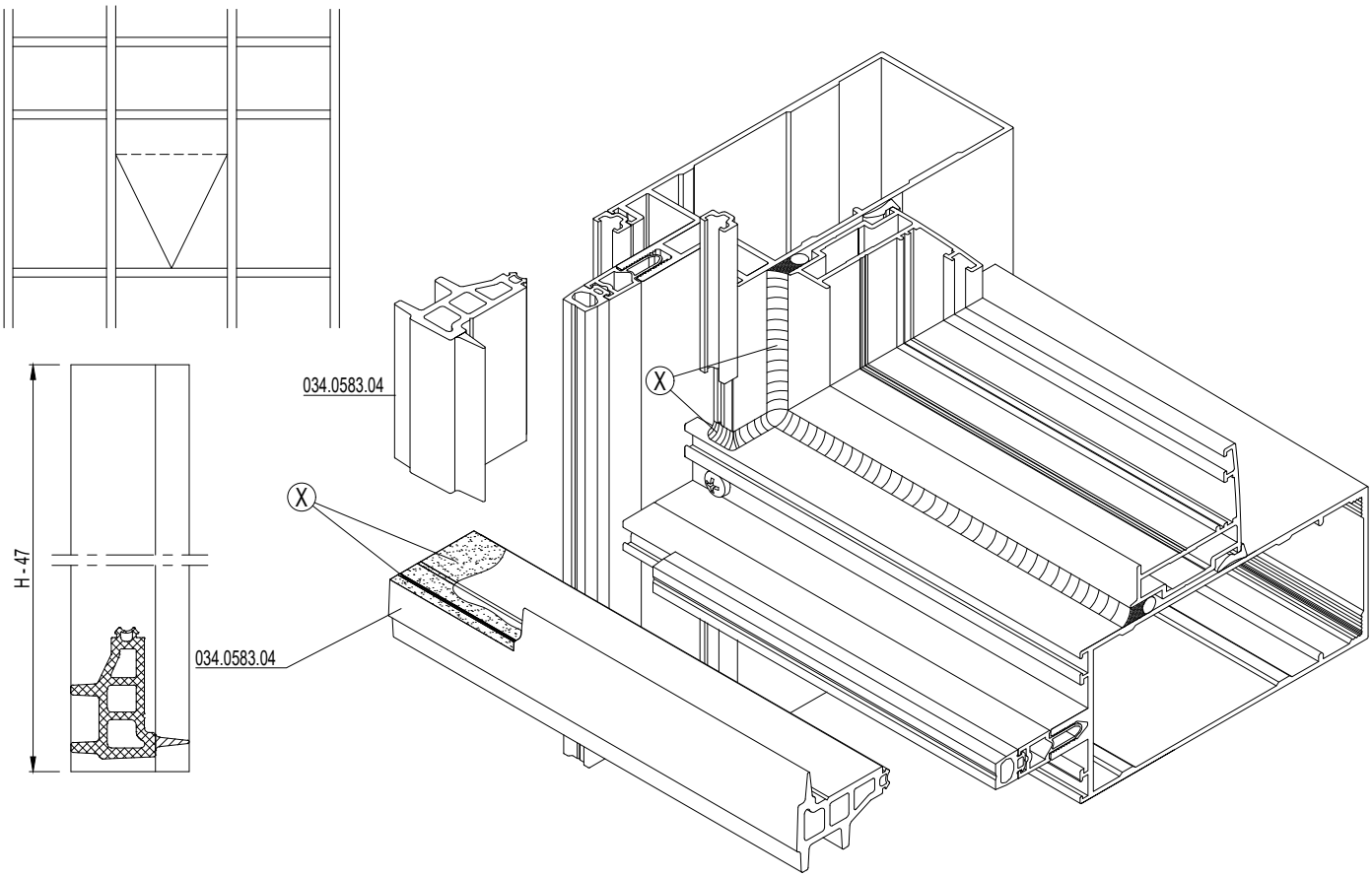


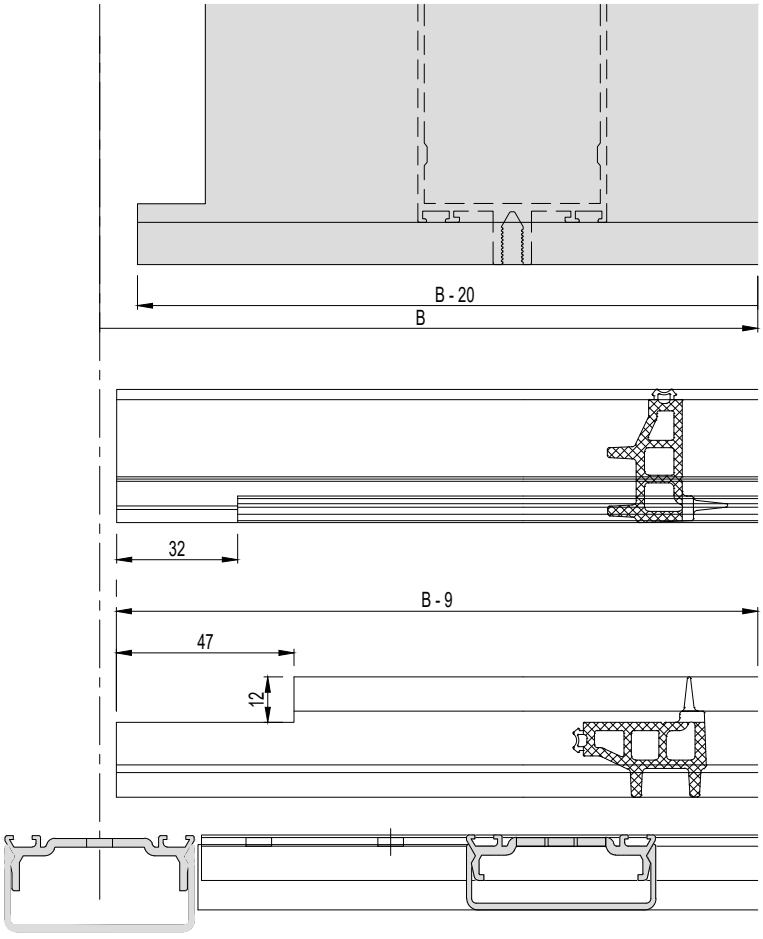
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

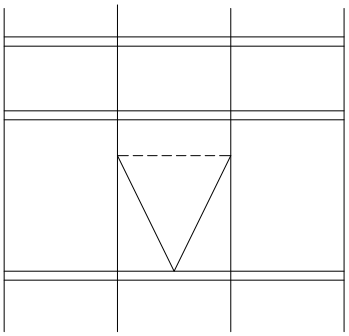
F

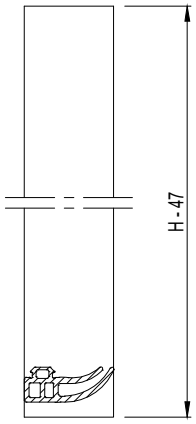
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG
DECOUPER ET ETANCHER LES JOINTS THW FV SG
CUTTING AND SEALING GASKETS THW FV SG
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV SG

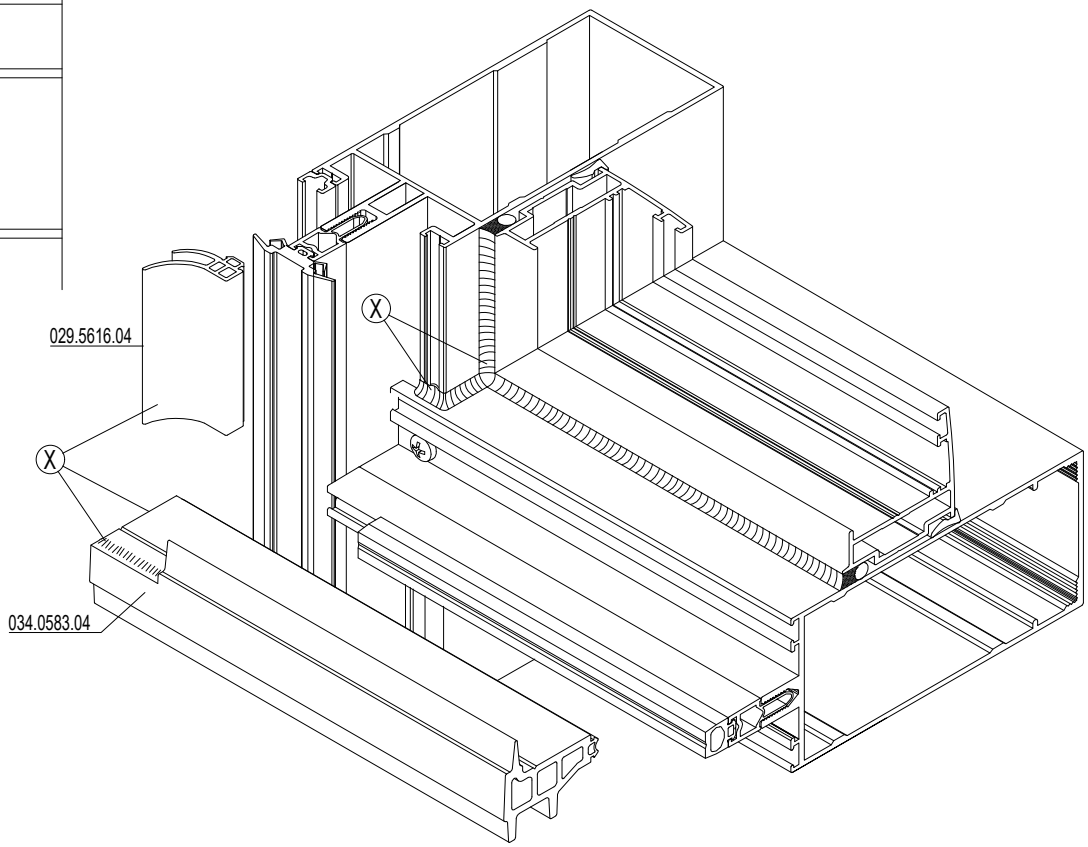


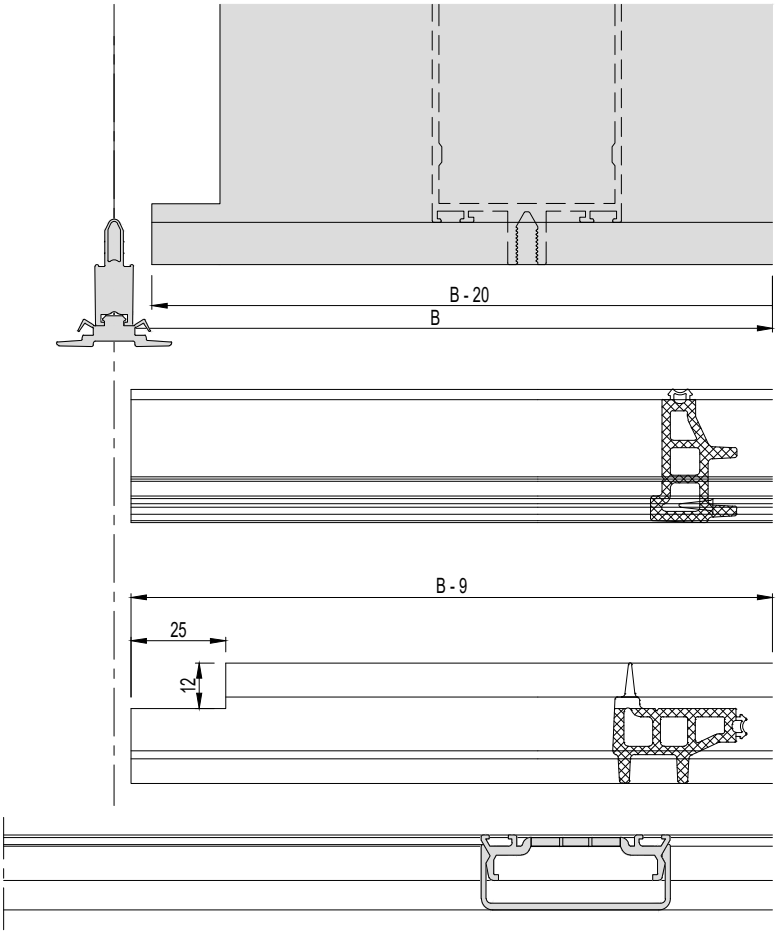


SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG - HL
DECOUPER ET ETANCHER LES JOINTS THW FV SG - HL
CUTTING AND SEALING GASKETS THW FV SG - HL
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV SG - HL



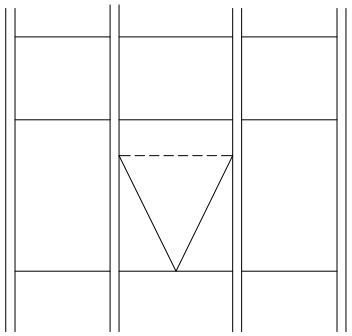


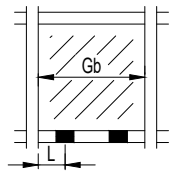




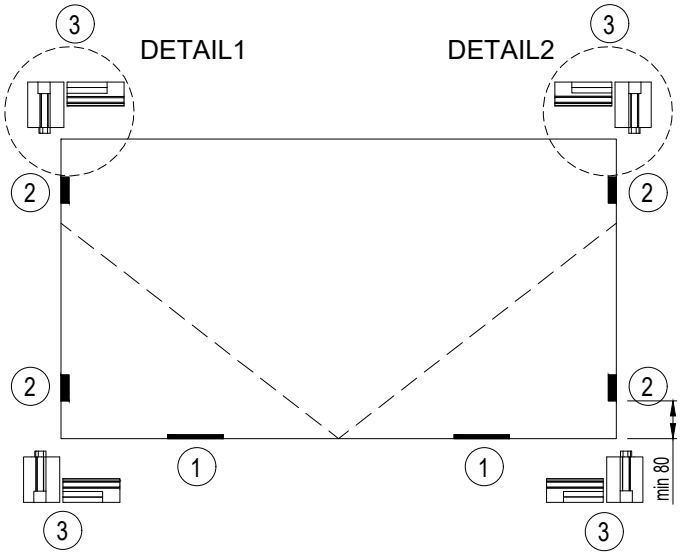
F

SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG -TT VL
DECOUPER ET ETANCHER LES JOINTS THW FV SG -TT VL
CUTTING AND SEALING GASKETS THW FV SG -TT VL
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV SG -TT VL

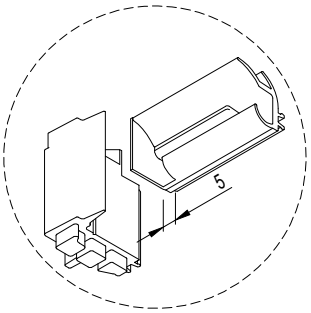




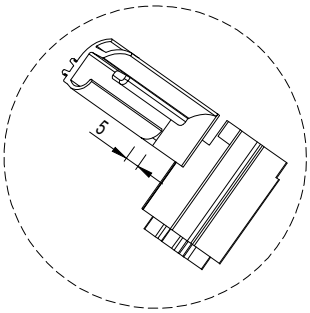
Gb/10<L<Gb/4
Lmin=100mm



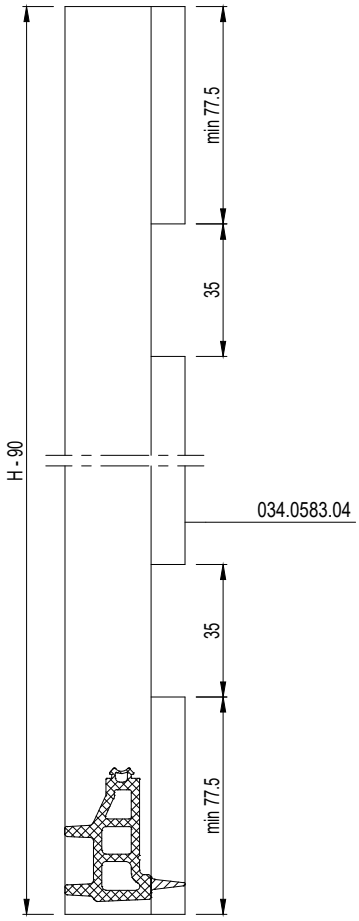
DETAIL1

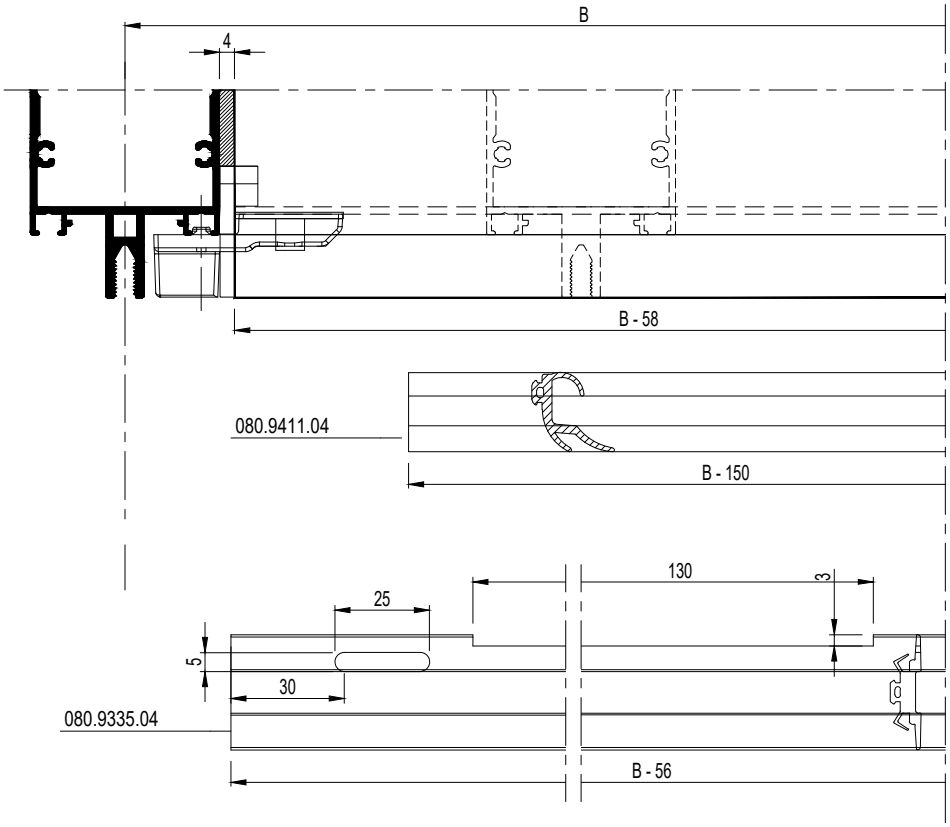


DETAIL2



1	2	3
073.7108.-- --> vitr./glass 24mm 073.7109.-- --> vitr./glass 32mm	021.5861.35 --> vitr./glass 24mm 021.5862.35 --> vitr./glass 32mm	080.9250.04

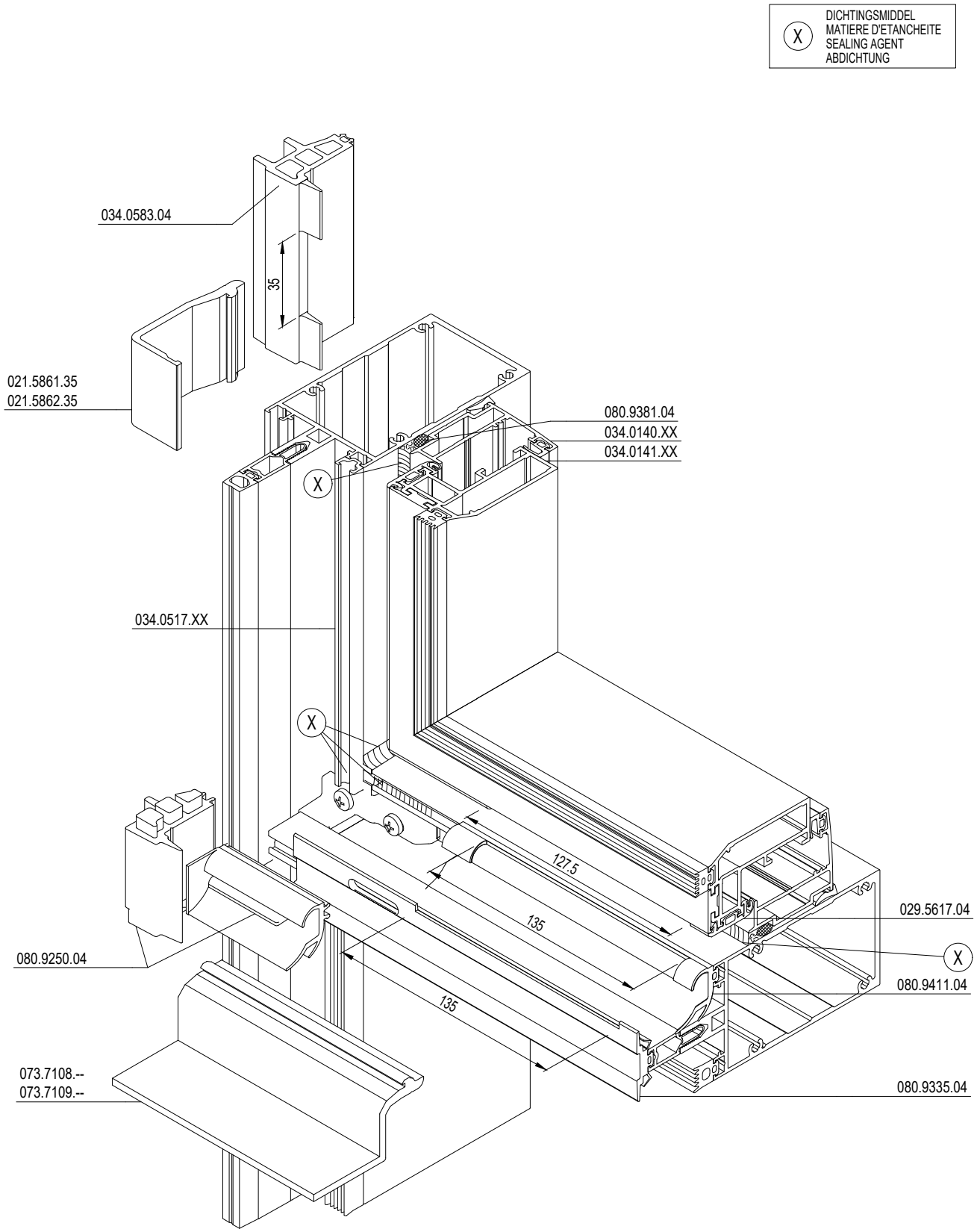




F

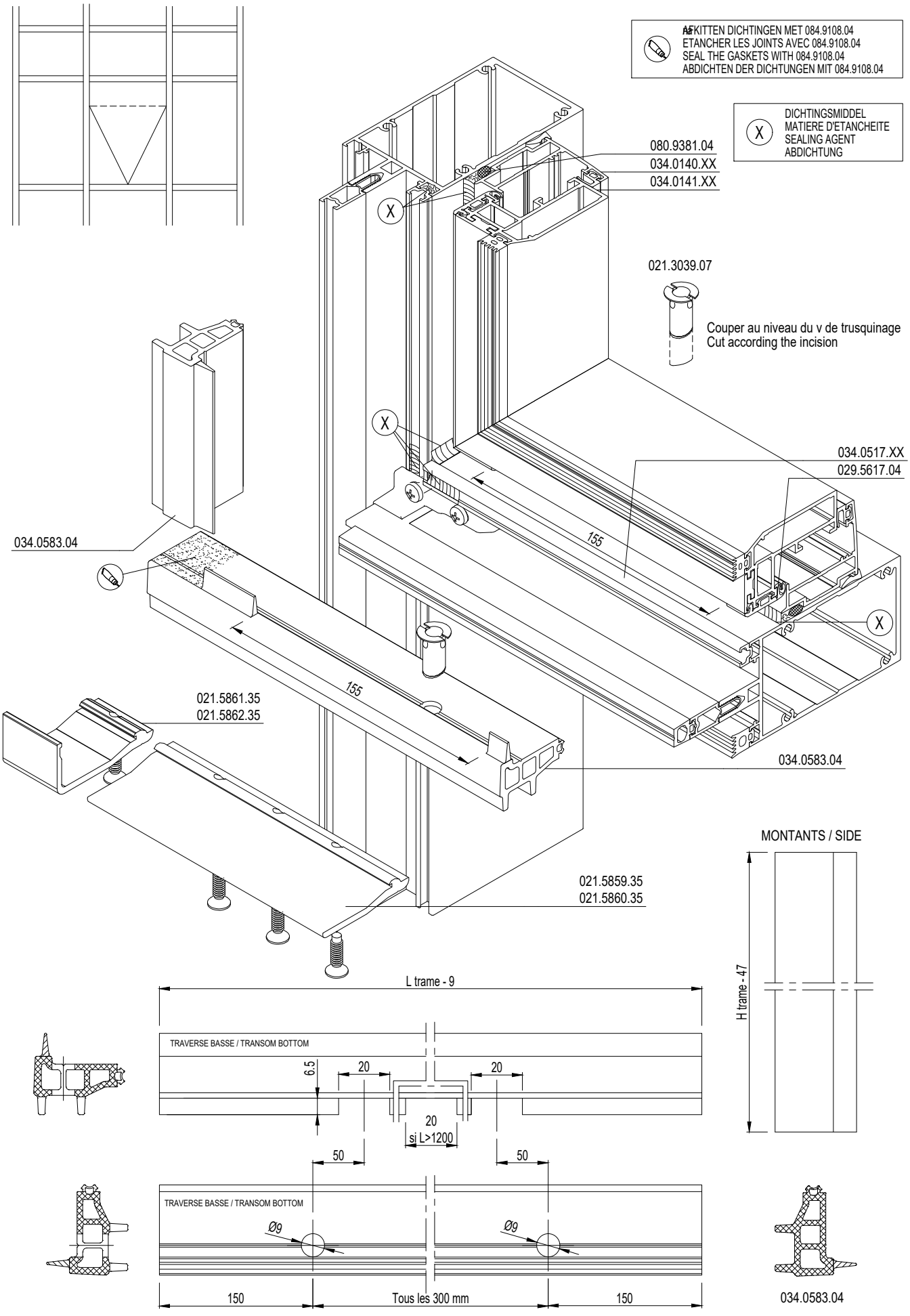
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG -TT VL
DECOUPER ET ETANCHER LES JOINTS THW FV SG -TT VL
CUTTING AND SEALING GASKETS THW FV SG -TT VL
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV SG -TT VL

Reynaers Aluminium



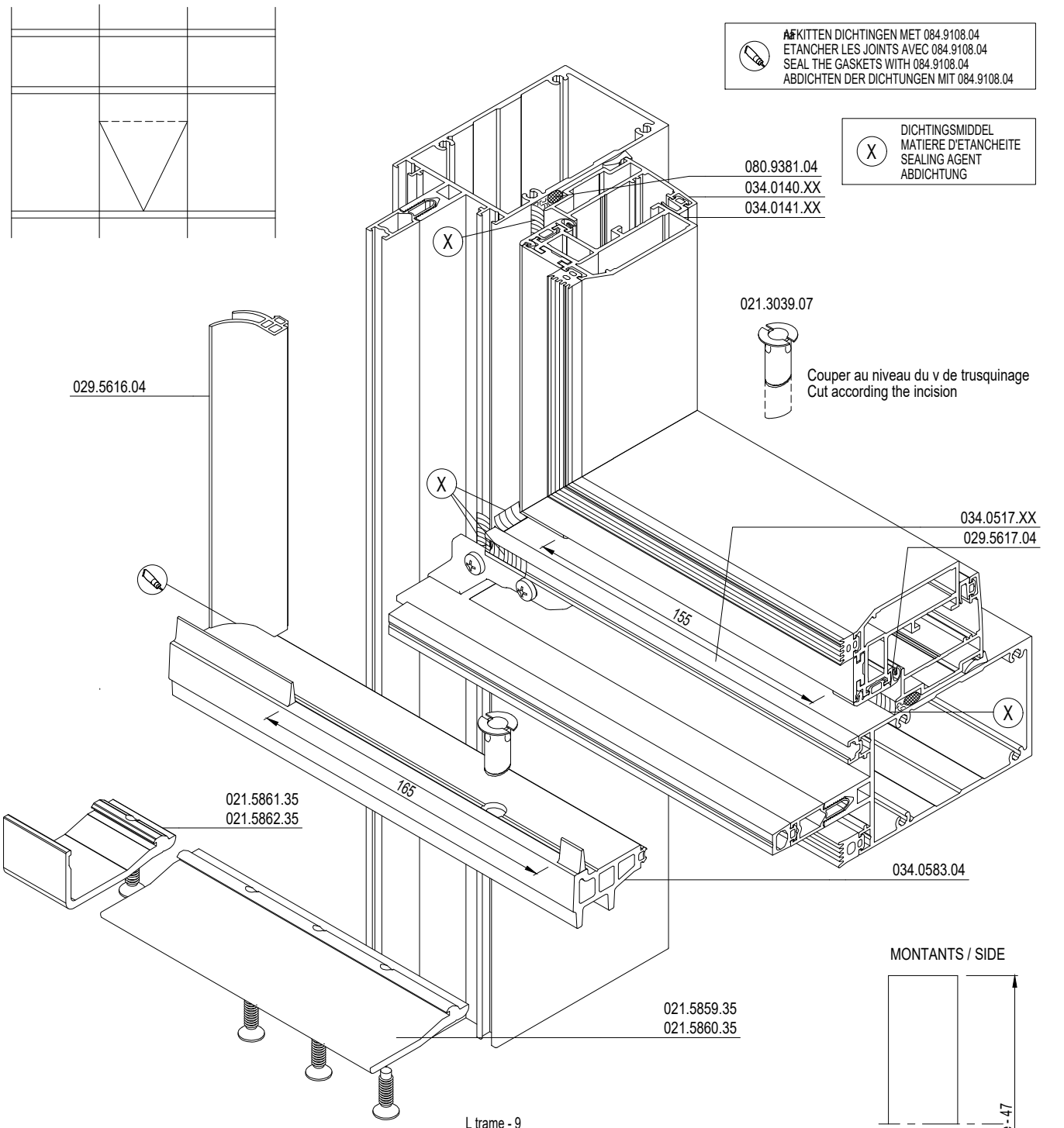
F

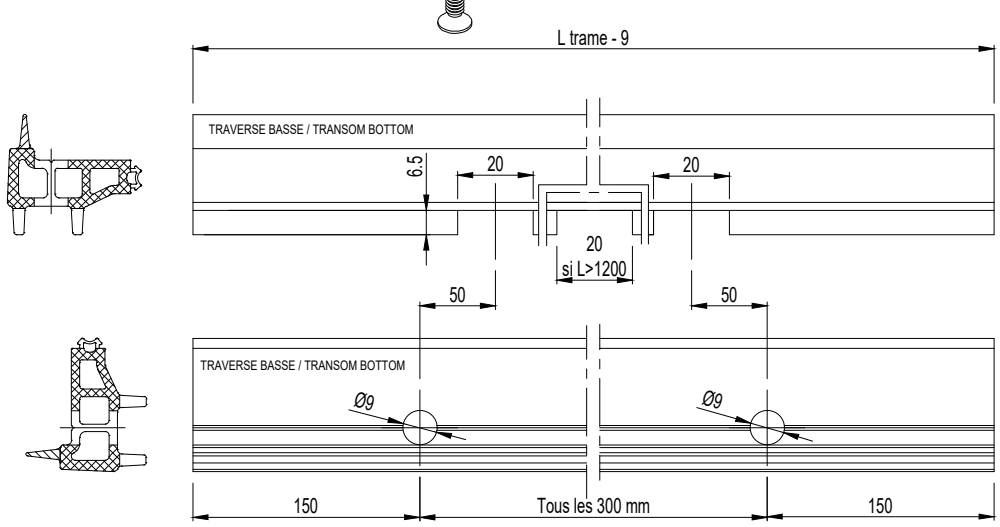
SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG -TT
DECOUPER ET ETANCHER LES JOINTS THW FV SG -TT
CUTTING AND SEALING GASKETS THW FV SG -TT
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV SG -TT

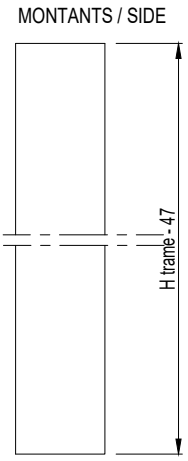


F

SNIJDEN EN AFKITTEN DICHTINGEN THW FV SG -TT HL
DECOUPER ET ETANCHER LES JOINTS THW FV SG -TT HL
CUTTING AND SEALING GASKETS THW FV SG -TT HL
SCHNEIDEN UND VERBINDEN DER DICHTUNGEN THW FV SG -TT HL

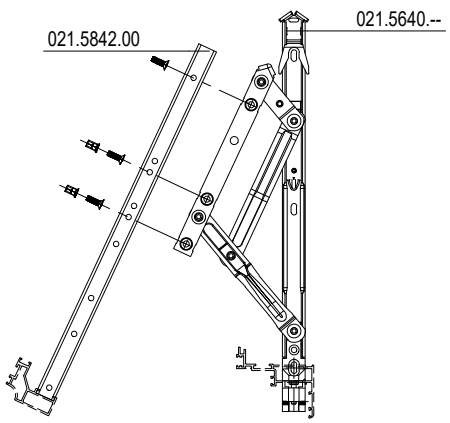


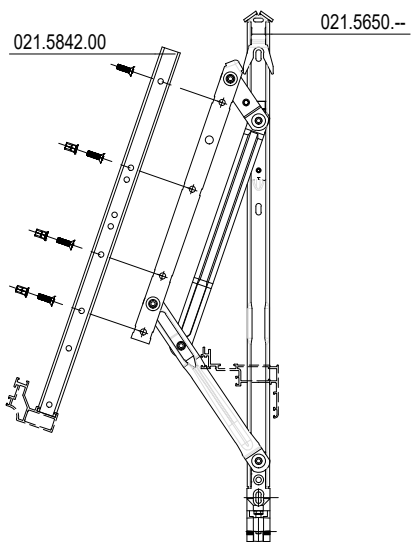


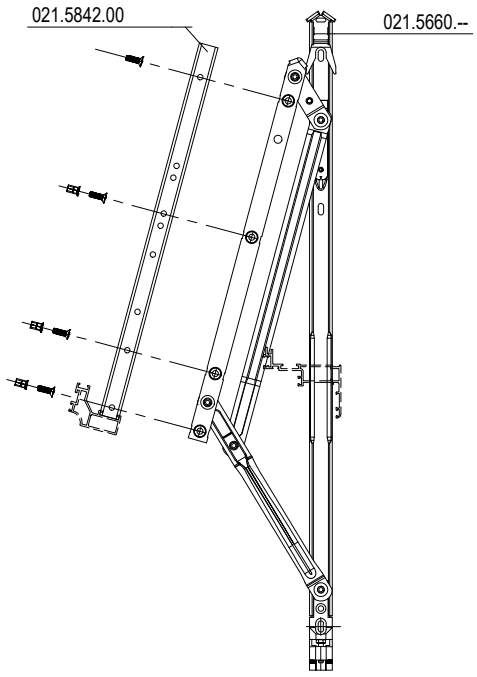


029.5616.04

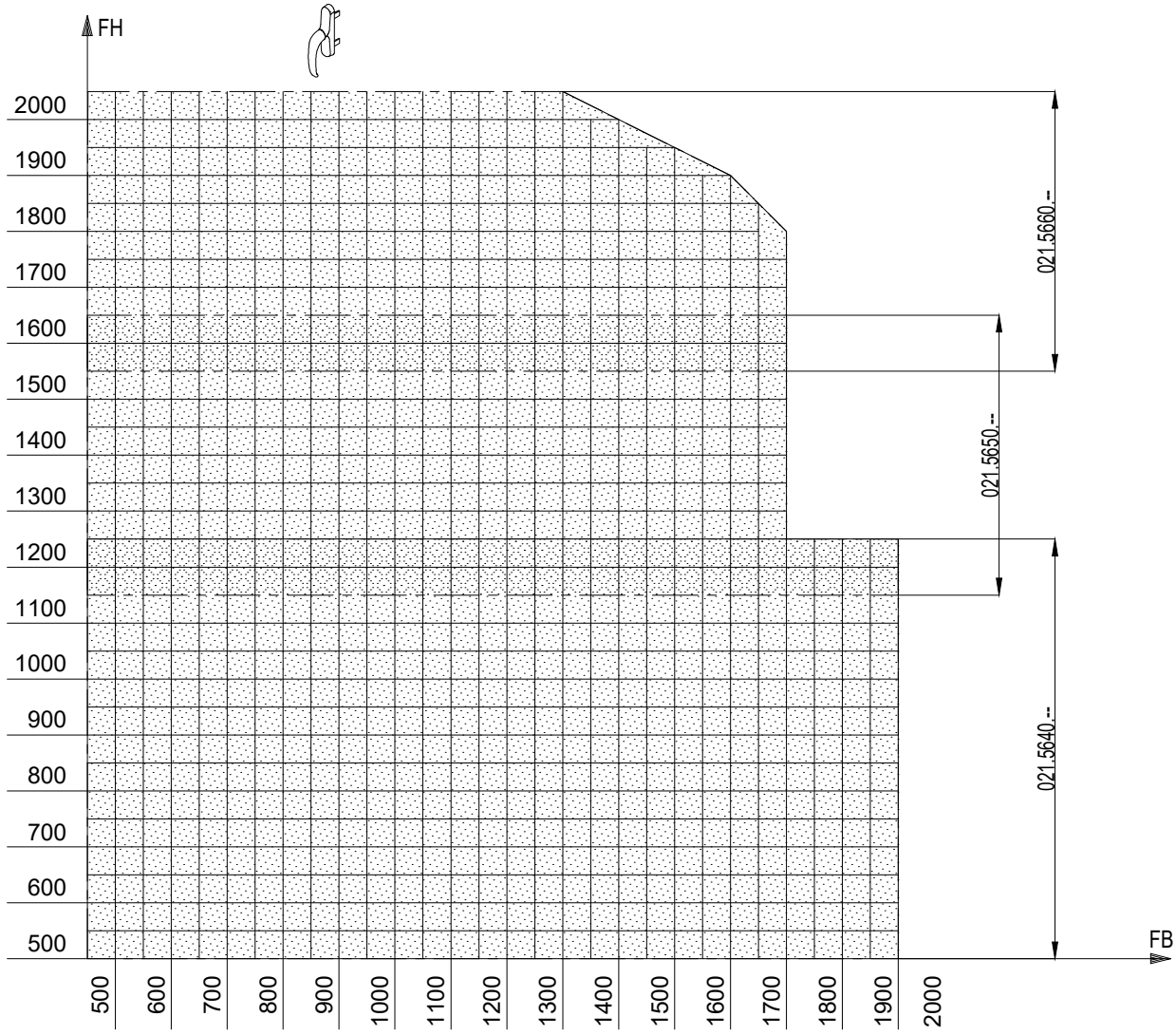
F



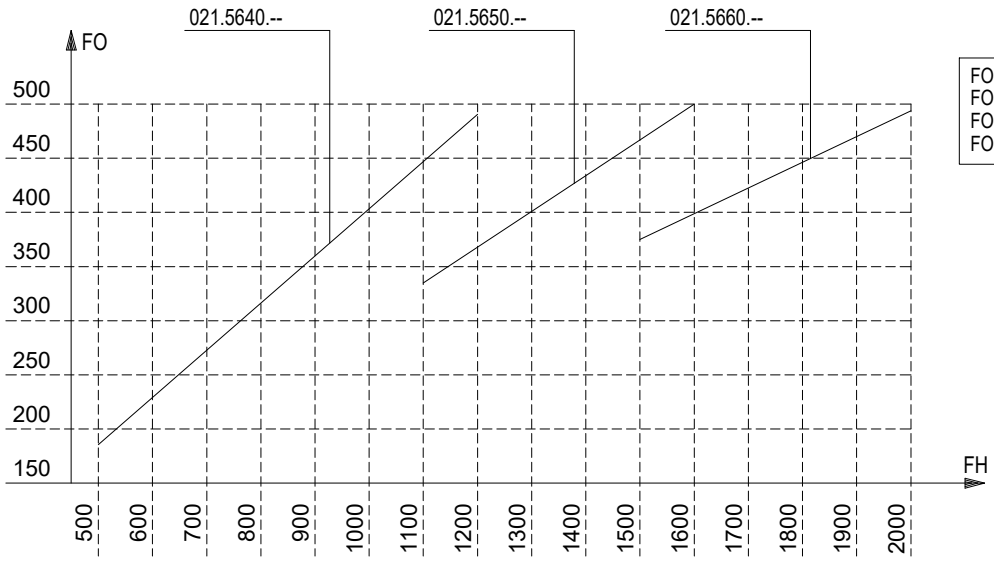




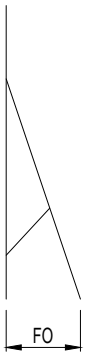
	Y(MM)	X(MM)	C(MM)	B(MM)	A(MM)	FG MAX
021.5640.--	363	190	185.5	135.5	-	80 KG
021.5650.--	494	280	275.5	215.5	123	105 KG
021.5660.--	624	380	375.5	315.5	173	130 KG

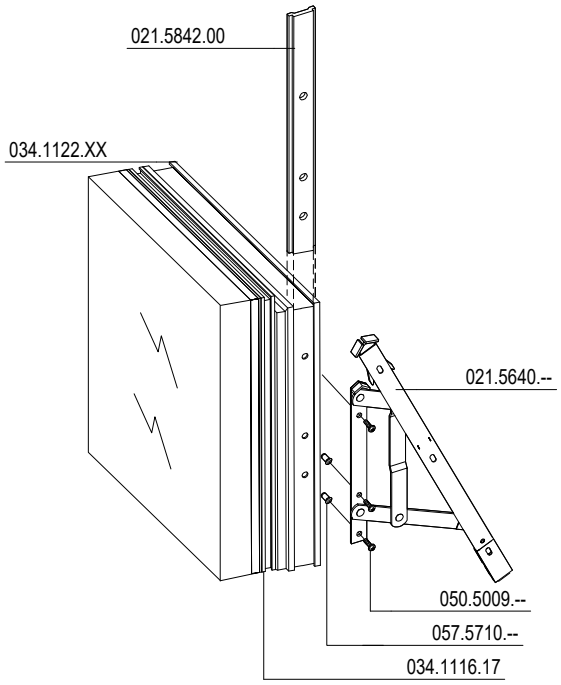


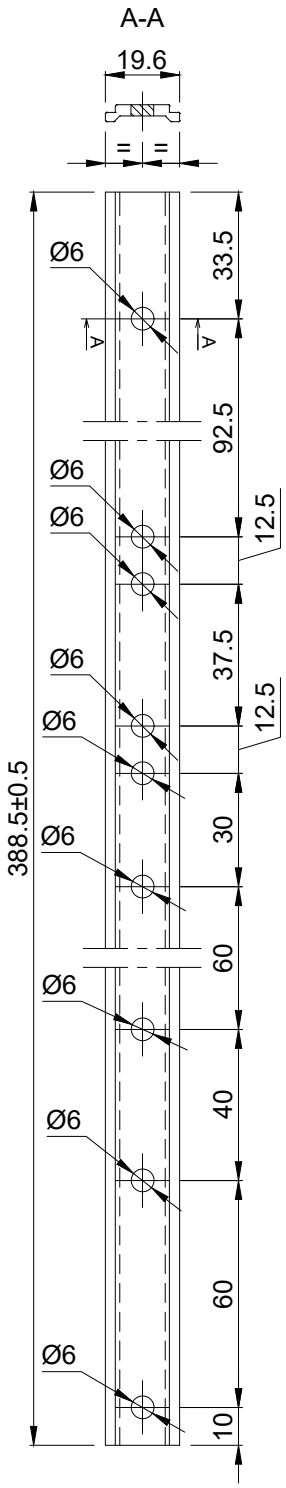
F



FO=Raamopening onderaan
FO=Ouverture pour fenêtre en bas
FO=Window opening below
FO=Fensteröffnung an der Unterseite







CENTRAGE ET APLOMB DU VANTAIL

CHASSIS FERME : controler la cote de 9.5 de chaque coté en partie haute.
CHASSIS OUVERT : monter ou descendre le vantail jusqu'à l'obtention de la cote de 9.5 théorique à l'aide d'une clé plate de 8 en agissant sur la vis rep. D - Ces réglages effectués, **possibilité de finaliser la mise en place du vantail**, par 2 vis tôle réf: **052.5332.--** inox dans les trous Rep. C (contre-perçage du profilé dormant avec un forêt Ø3.5).

MISE EN SERVICE

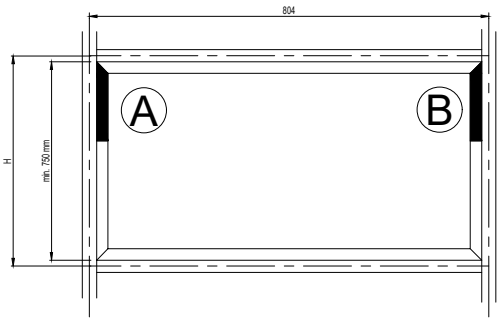
Après nettoyage du châssis sur le chantier, **lubrifier impérativement les glissières** (rep. A) ainsi que tous les axes d'articulation des compas de 2 ou 3 gouttes de lubrifiant. **Régler les freins** (Rep. B) sur chaque compas jusqu'à l'équilibrage du châssis, à l'aide d'une clé 6 pans de 2,5.

ENTRETIEN

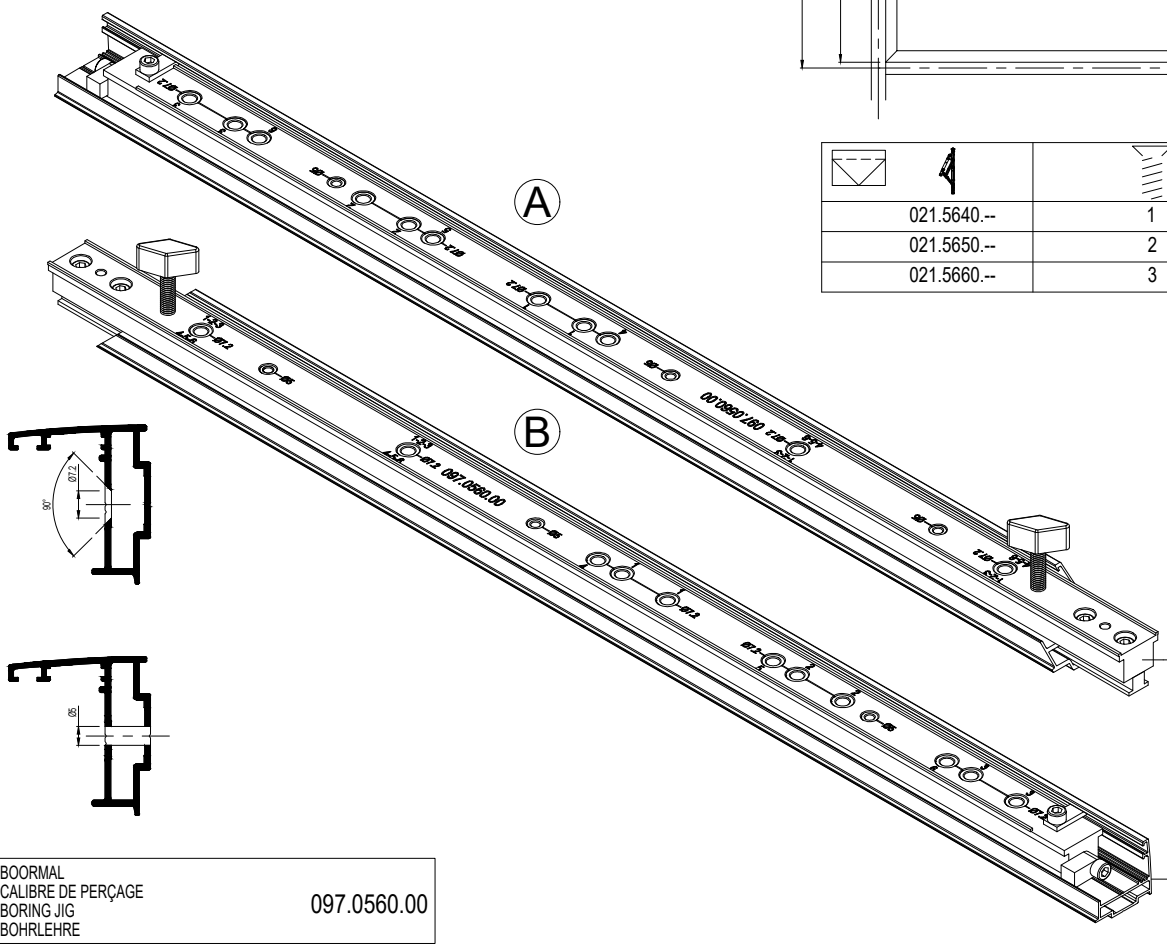
Tous les 6 mois, régler les freins et lubrifier les glissières et les axes d'articulation.
Utiliser une huile grade iso 46 ou équivalent. **Tous les ans**, vérifier le bon serrage des compas sur les profilés et resserrer si nécessaire.

F

034.0140.XX

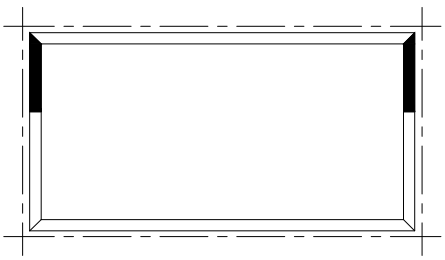


021.5640.--	1
021.5650.--	2
021.5660.--	3

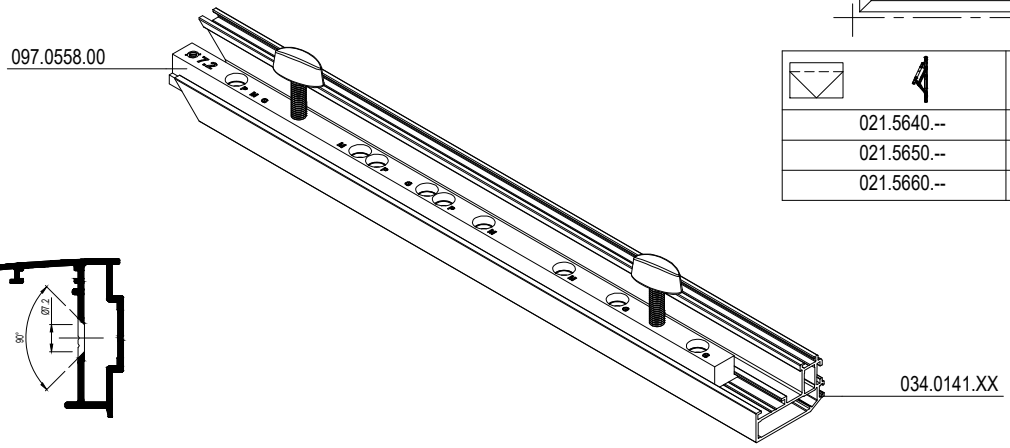


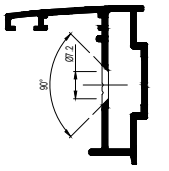
BOORMAL CALIBRE DE PERÇAGE BORING JIG BOHRLEHRE	097.0560.00

034.0141.XX



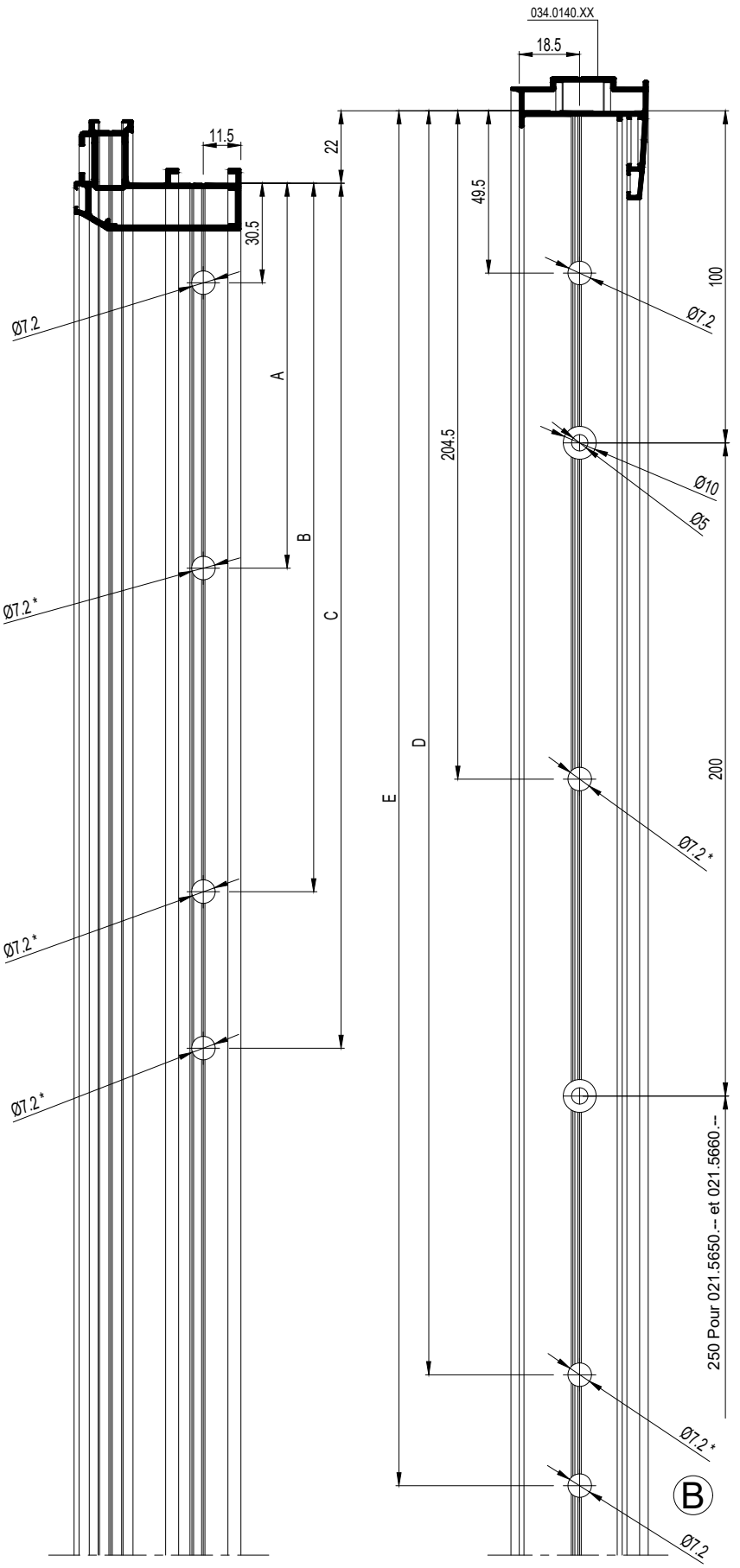
021.5640.--	P
021.5650.--	M
021.5660.--	G

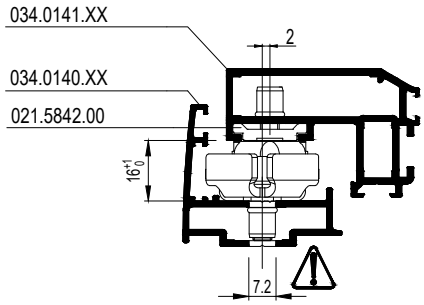




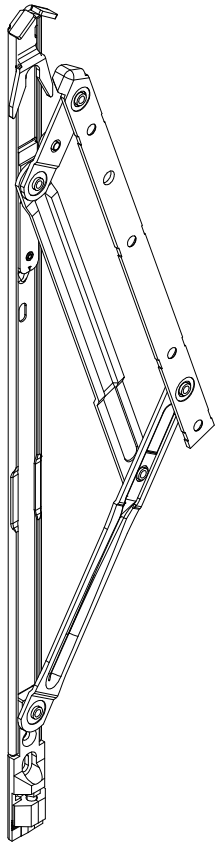
F

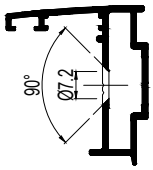
TOEBEHOREN UITZETZAKRAAM
ACCESSOIRES OUVRANT A SOUFFLET
ACCESSORIES TOP-HUNG WINDOW
ZUBEHOER KLAPPFENSTER





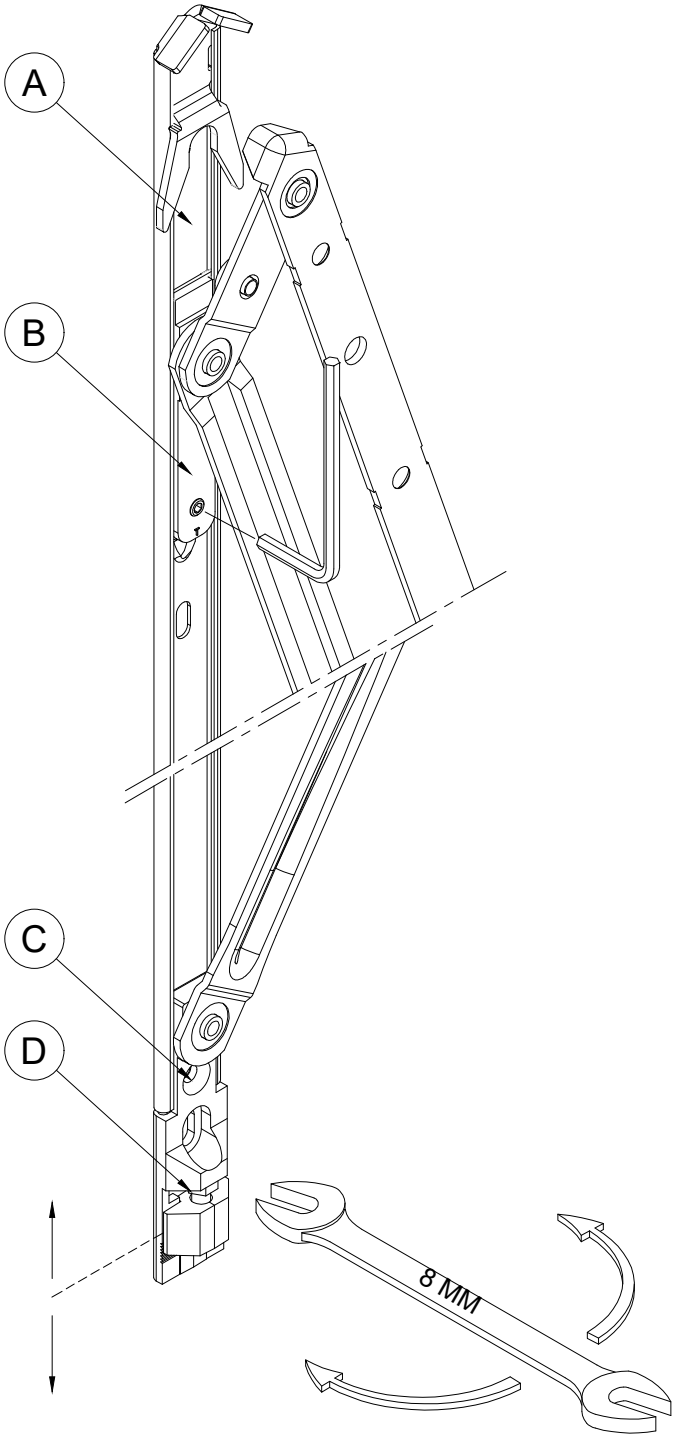
	034.0140.XX		034.0141.XX		
MODELE	E (mm)	D (mm)	C (mm)	B (mm)	A (mm)
021.5640.--	398.5	346.5	185.5	135.5	-
021.5650.--	529.5	495.5	275.5	215.5	123
021.5660.--	659.5	625.5	375.5	315.5	173

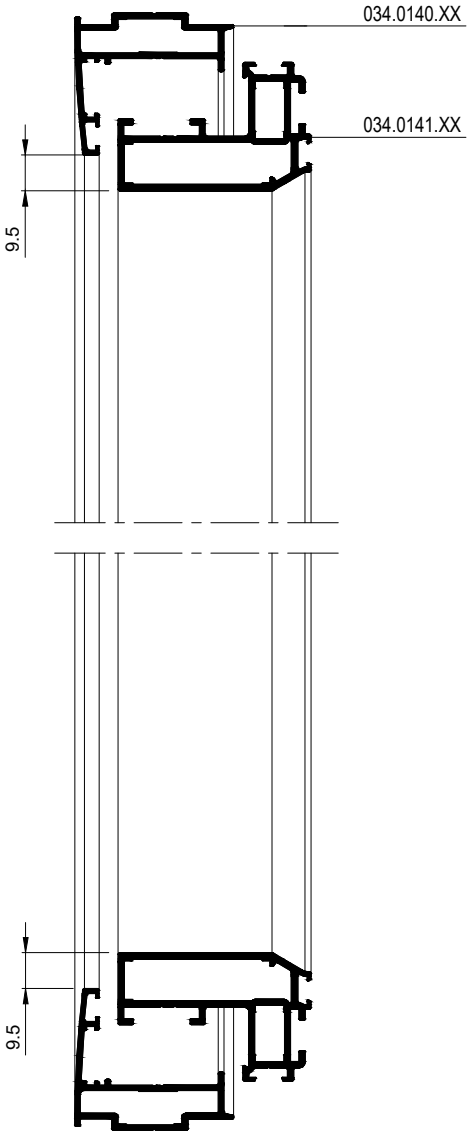




BOORMAL CALIBRE DE PERÇAGE BORING JIG BOHRLEHRE	A	097.0558.00
BOORMAL CALIBRE DE PERÇAGE BORING JIG BOHRLEHRE	B	097.0560.00

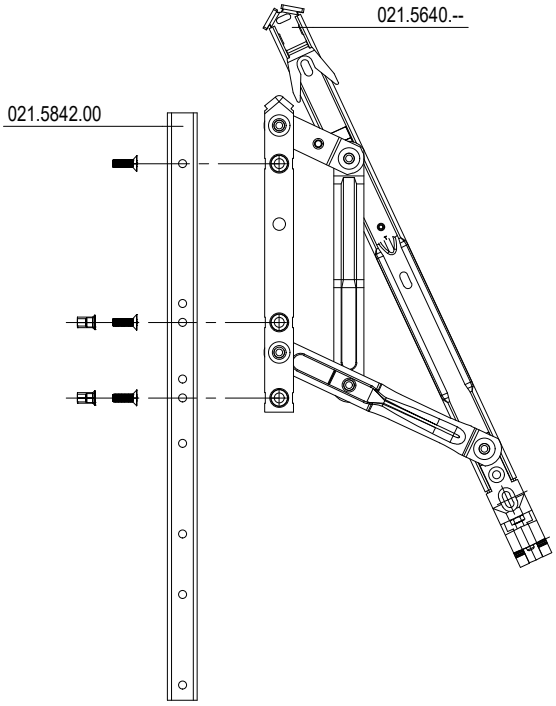
F

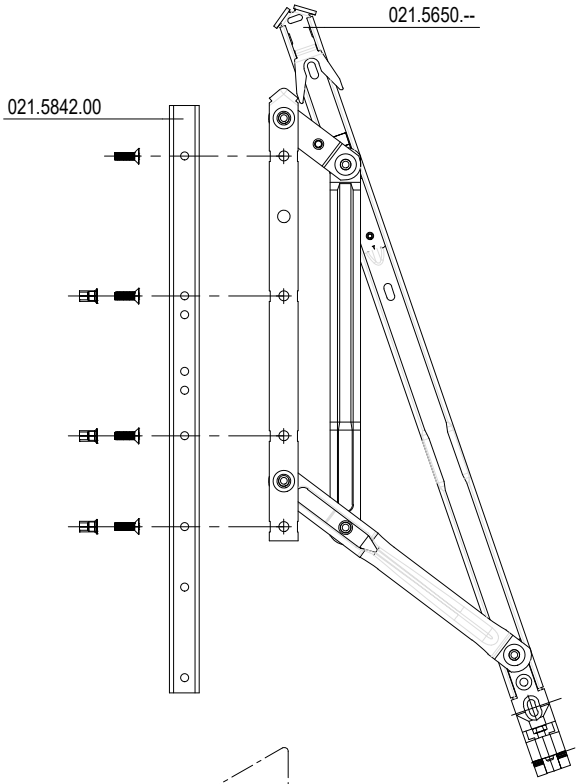


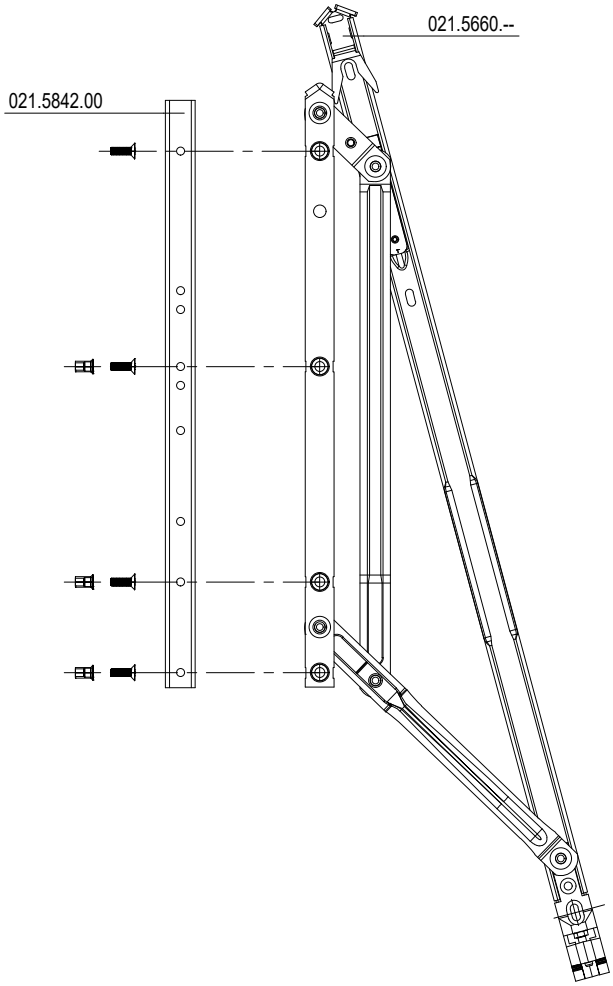


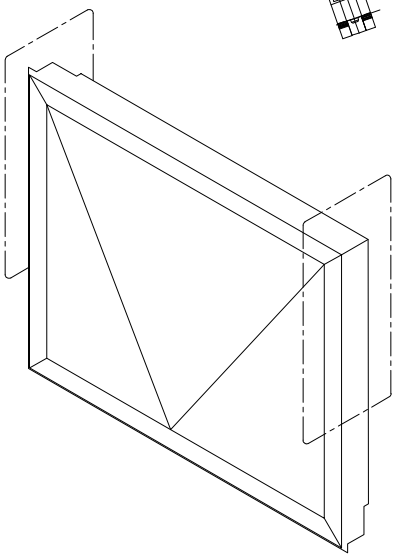
F

ETAG 002









CENTRAGE ET APLOMB DU VANTAIL

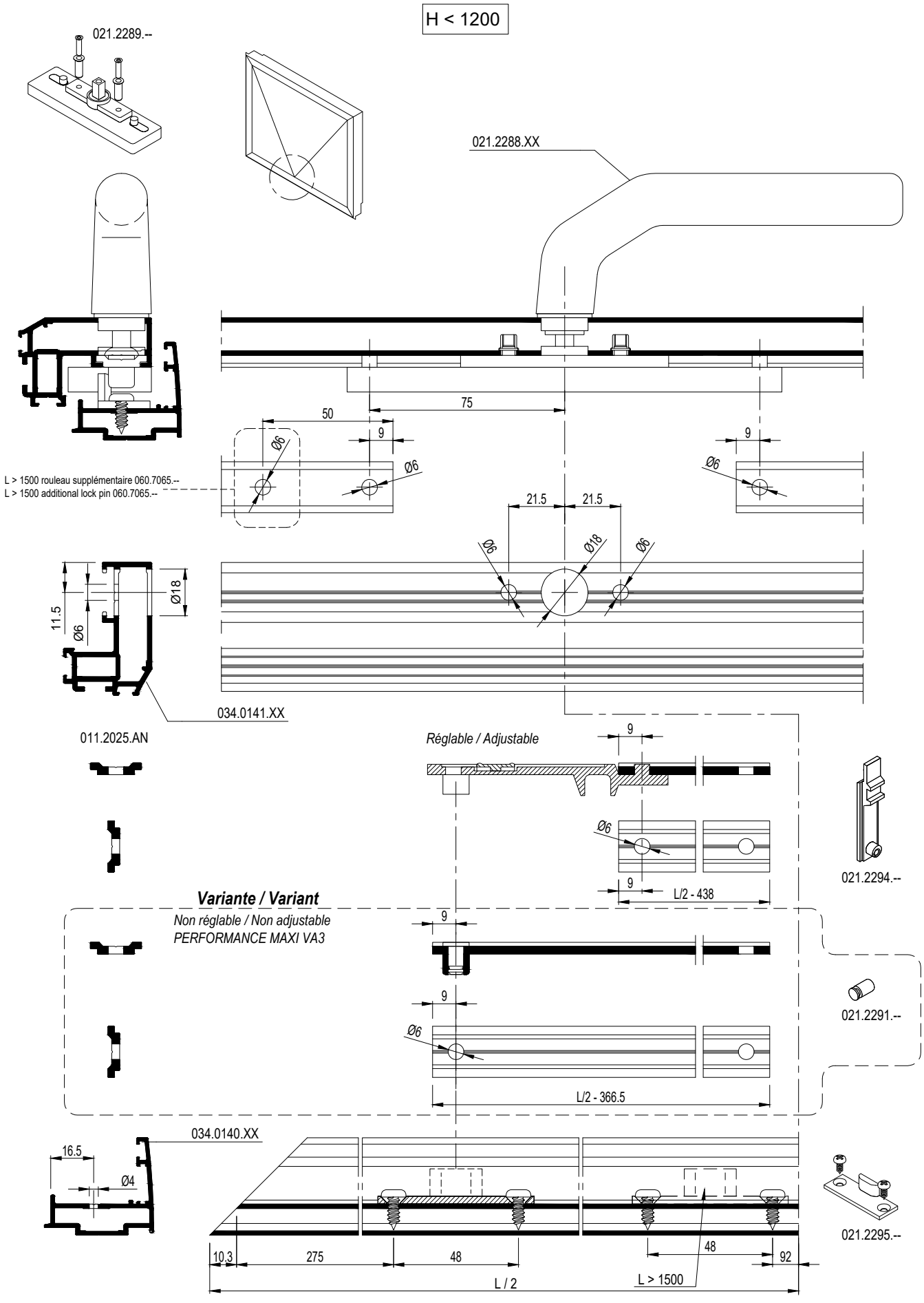
CHASSIS FERME : controler la cote de 9.5 de chaque coté en partie haute.
CHASSIS OUVERT : monter ou descendre le vantail jusqu'à l'obtention de la cote de 9.5 théorique à l'aide d'une clé plate de 8 en agissant sur la vis rep.Ⓓ - Ces réglages effectués, **possibilité de finaliser la mise en place du vantail**, par 2 vis tôle réf: **052.5332.--** inox dans les trous Rep.Ⓒ(contre-perçage du profilé dormant avec un forêt Ø3.5).

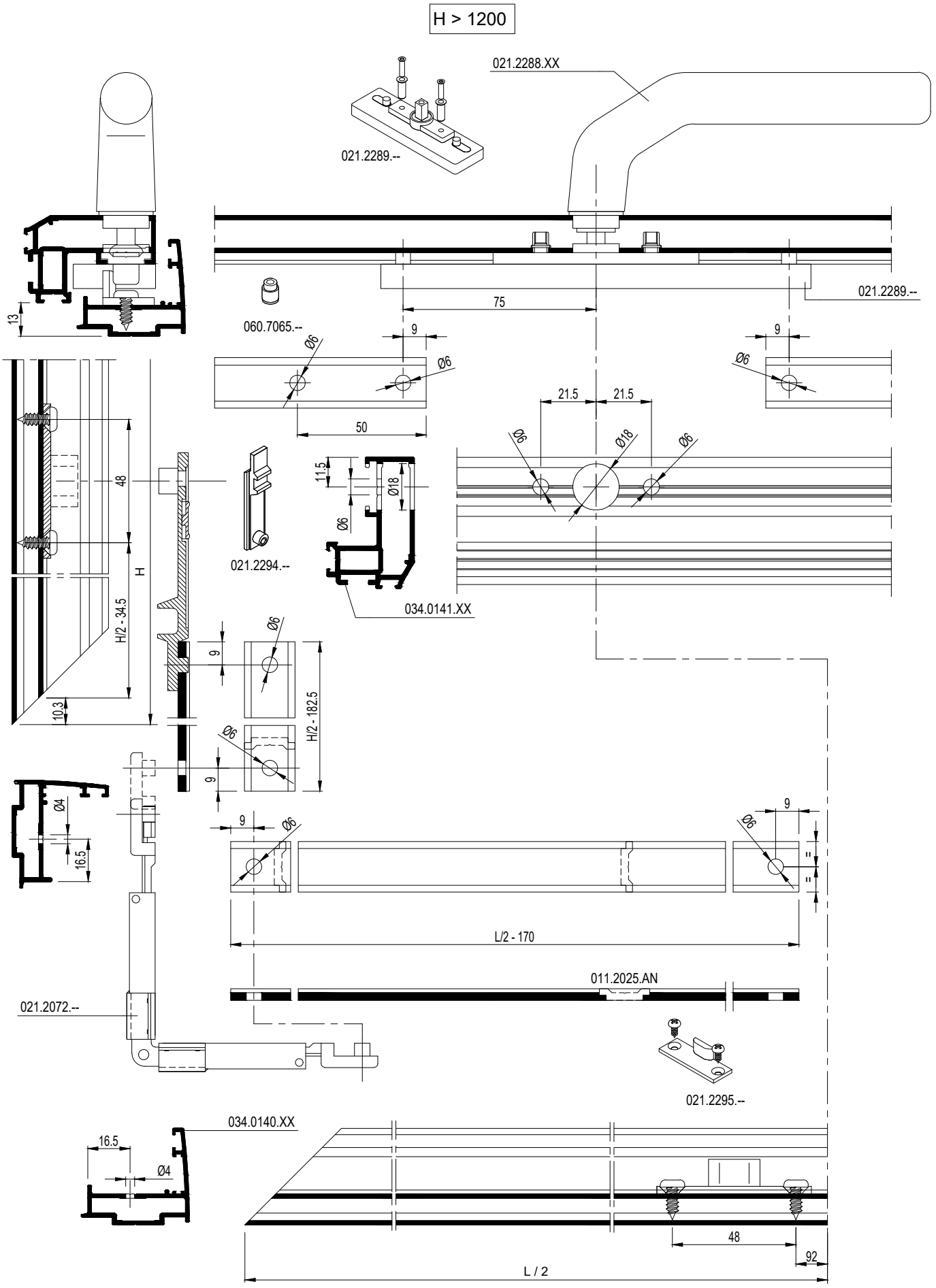
MISE EN SERVICE

Après nettoyage du châssis sur le chantier, **lubrifier impérativement les glissières** (rep.Ⓐ) ainsi que tous les axes d'articulation des compas de 2 ou 3 gouttes de lubrifiant. **Régler les freins** (Rep.Ⓑ) sur chaque compas jusqu'à l'équilibrage du châssis, à l'aide d'une clé 6 pans de 2,5.

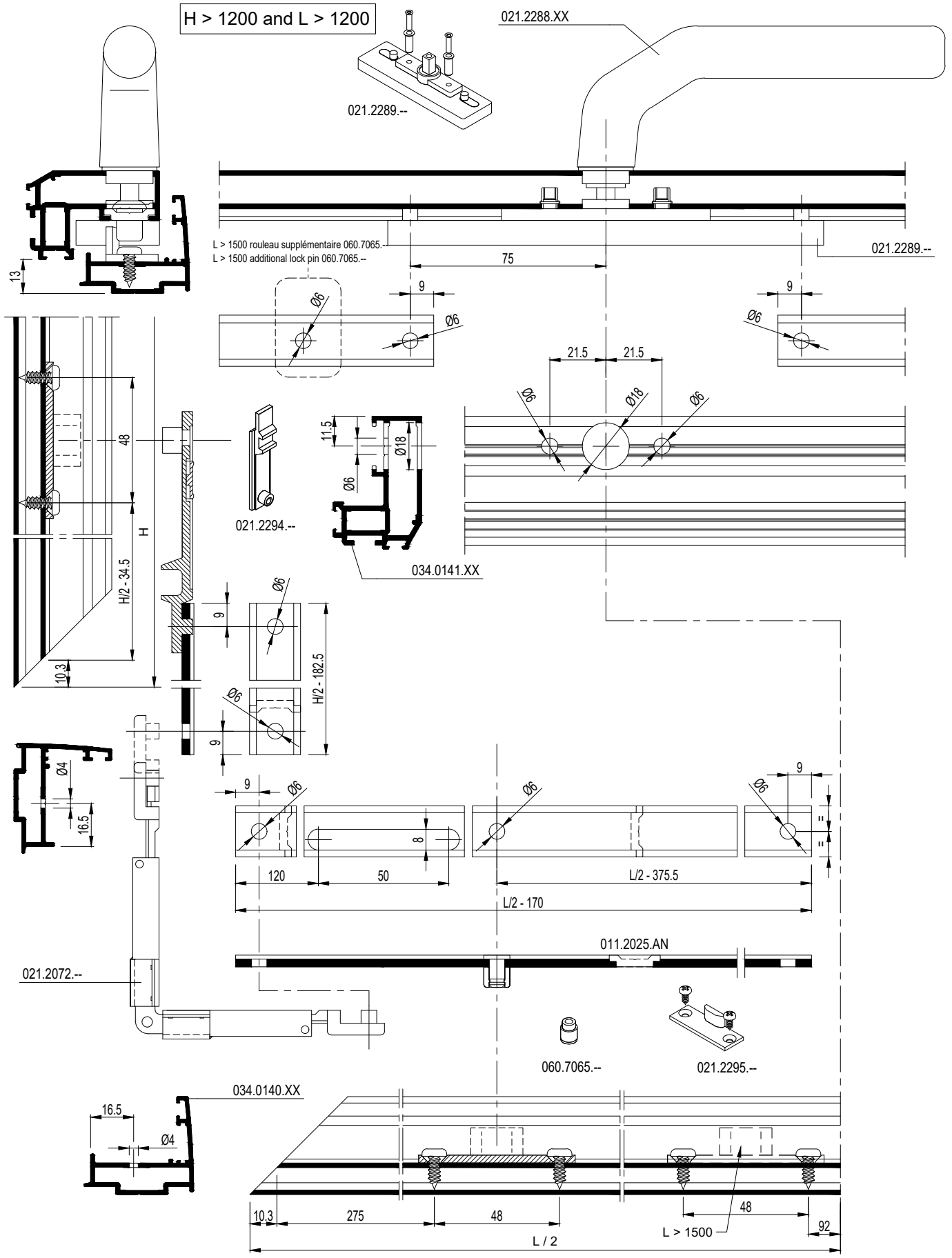
ENTRETIEN

Tous les 6 mois, régler les freins et lubrifier les glissières et les axes d'articulation.
Utiliser une huile grade iso 46 ou équivalent. **Tous les ans**, vérifier le bon serrage des compas sur les profilés et resserrer si nécessaire.

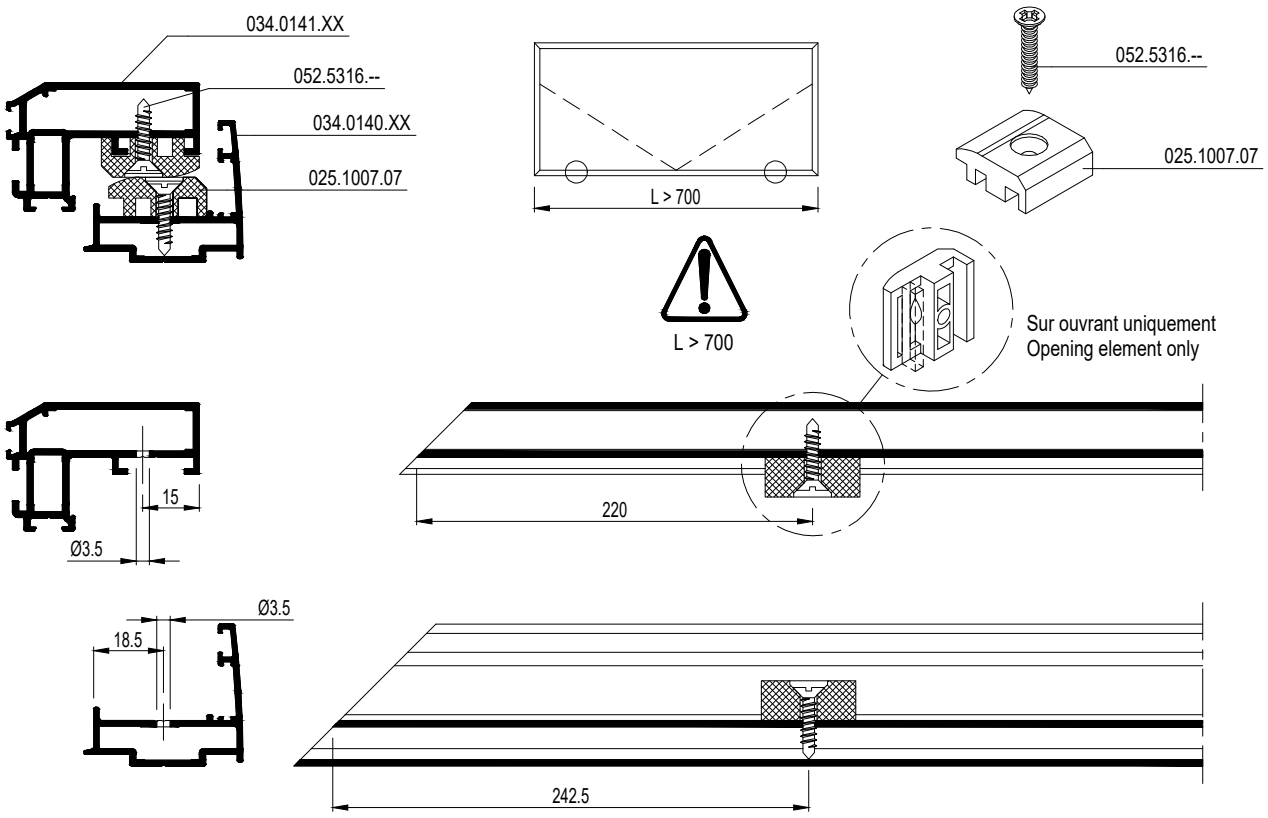

H < 1200
021.2289.--
021.2288.XX
L > 1500 rouleau supplémentaire 060.7065.--
L > 1500 additional lock pin 060.7065.--
50
75
9
Ø6
21.5
Ø18
11.5
034.0141.XX
011.2025.AN
Réglable / Adjustable
021.2294.--
L/2 - 438
Variante / Variant
Non réglable / Non adjustable
PERFORMANCE MAXI VA3
021.2291.--
L/2 - 366.5
034.0140.XX
16.5
Ø4
021.2295.--
10.3
275
48
92
L / 2
L > 1500

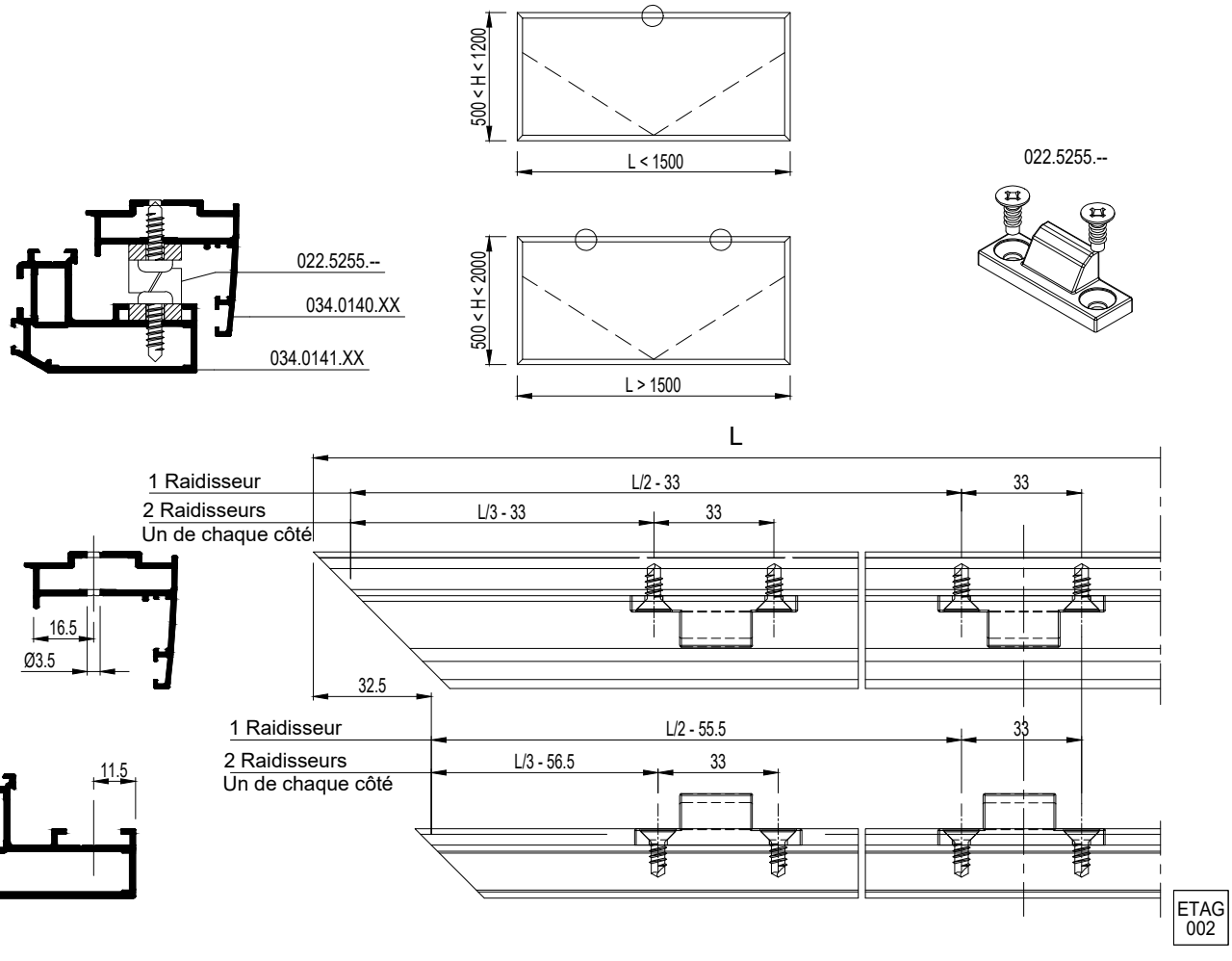

H > 1200
021.2288.XX
021.2289.--
021.2289.--
060.7065.--
75
9
9
Ø6
Ø6
Ø6
21.5
21.5
50
13
48
H
H/2 - 34.5
10.3
021.2294.--
11.5
Ø18
Ø6
Ø6
Ø18
Ø6
034.0141.XX
9
Ø6
H/2 - 182.5
Ø6
9
Ø4
16.5
9
Ø6
9
Ø6
H
H
L/2 - 170
011.2025.AN
021.2072.--
021.2295.--
034.0140.XX
16.5
Ø4
48
92
L / 2

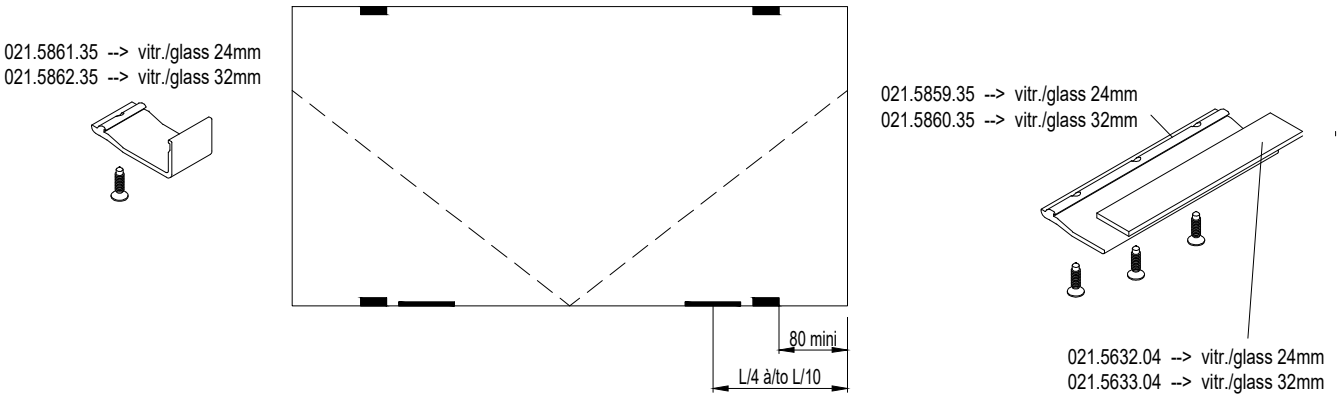
F

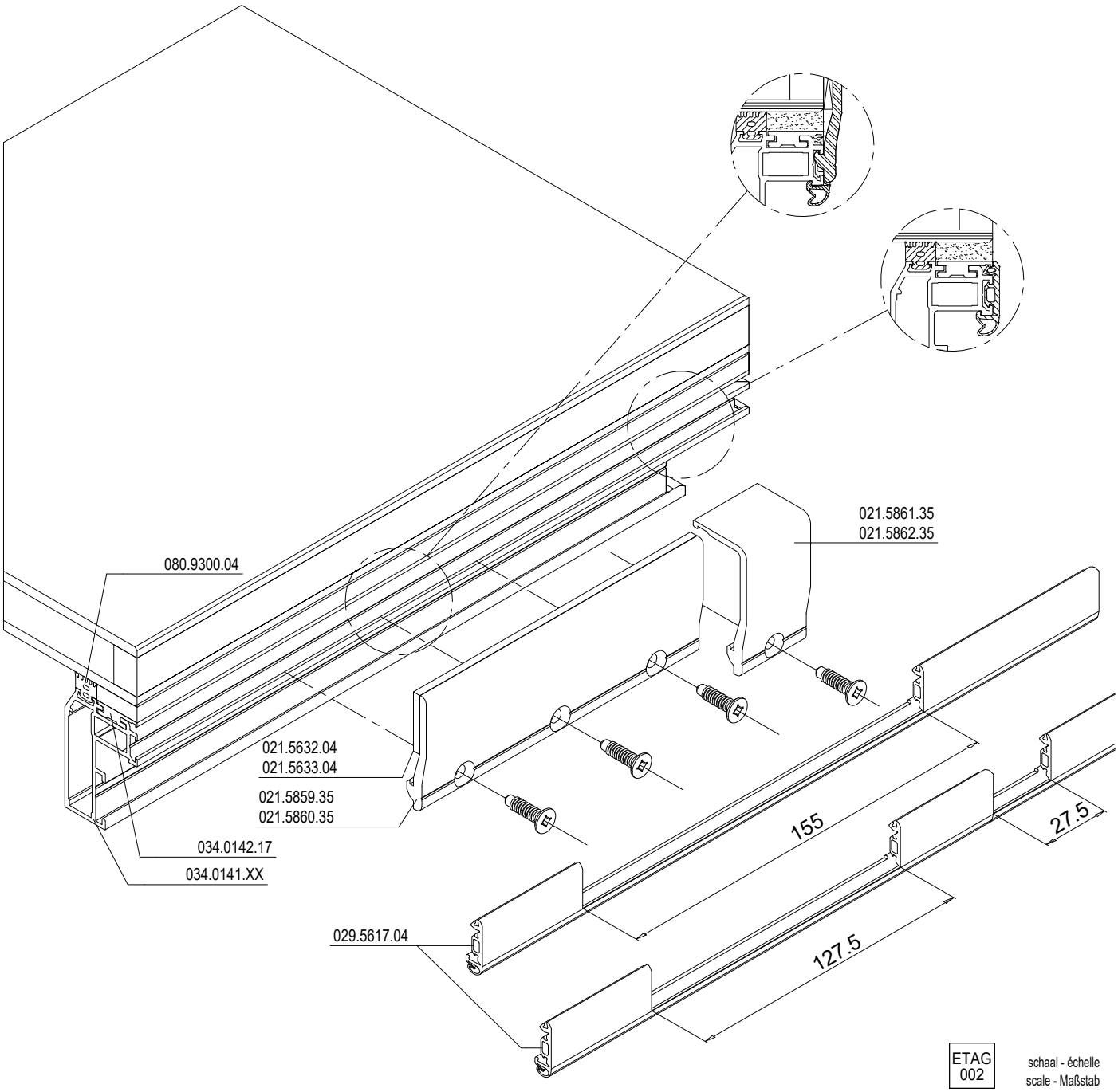

H > 1200 and L > 1200
021.2288.XX
021.2289.--
L > 1500 rouleau supplémentaire 060.7065.--
L > 1500 additional lock pin 060.7065.--
75
021.2289.--
13
9
Ø6
21.5
Ø18
48
H
H/2 - 34.5
10.3
021.2294.--
11.5
034.0141.XX
H/2 - 182.5
Ø4
16.5
120
50
8
L/2 - 375.5
L/2 - 170
011.2025.AN
021.2072.--
060.7065.--
021.2295.--
034.0140.XX
275
48
92
L > 1500
L / 2

F


034.0141.XX
052.5316.--
034.0140.XX
025.1007.07
L > 700
052.5316.--
025.1007.07
L > 700
Sur ouvrant uniquement
Opening element only
15
Ø3.5
220
Ø3.5
18.5
242.5


500 < H < 1200
L < 1500
022.5255.--
022.5255.--
034.0140.XX
034.0141.XX
500 < H < 2000
L > 1500
L
1 Raidisseur
2 Raidisseurs
Un de chaque côté
L/2 - 33
L/3 - 33
33
33
16.5
Ø3.5
32.5
1 Raidisseur
2 Raidisseurs
Un de chaque côté
L/2 - 55.5
L/3 - 56.5
33
33
11.5
ETAG
002



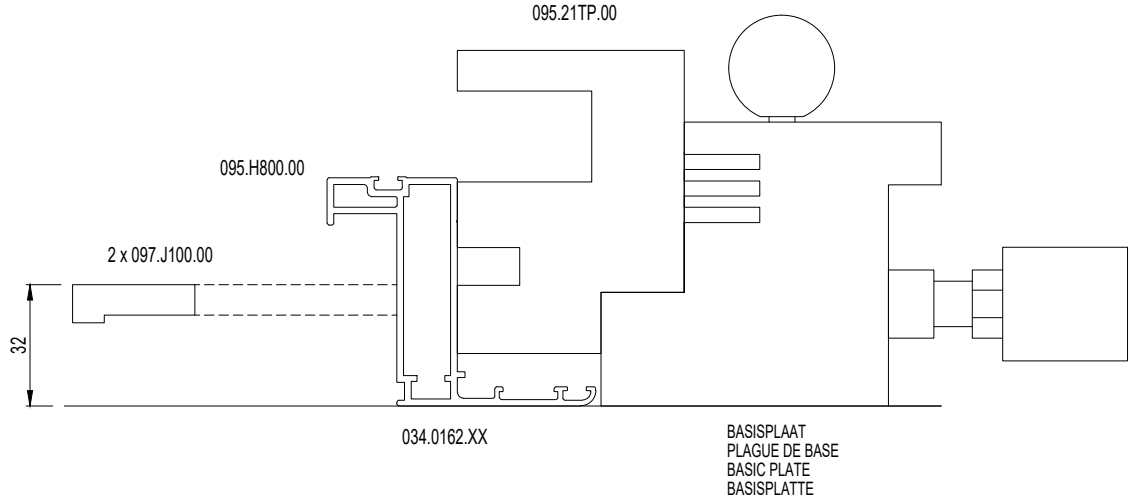


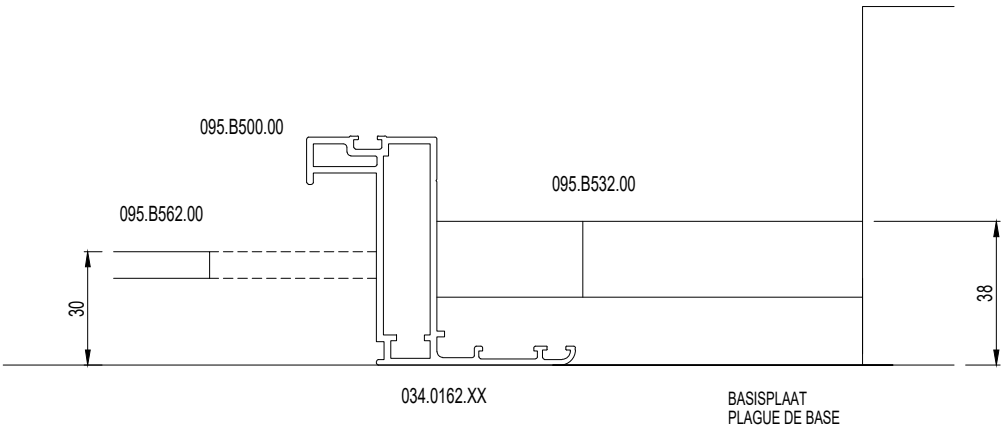
ETAG 002

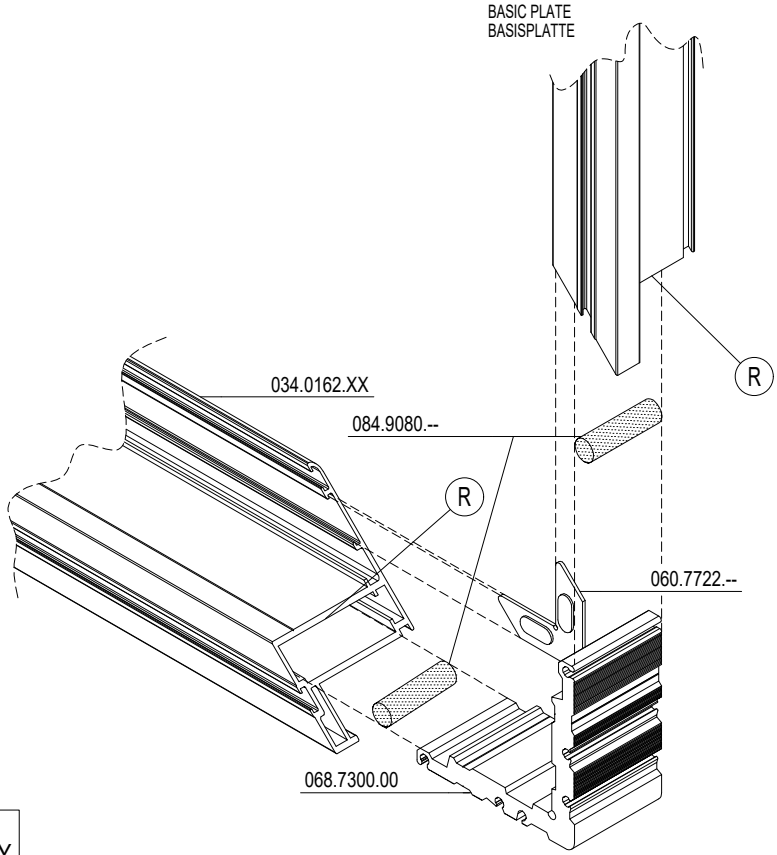
schaal - échelle
scale - Maßstab
1/2

F

PERSEN KADER 034.0162.XX
PRESSE CADRE 034.0162.XX
PRESSING FRAME 034.0162.XX
PRESSECKVERB. RAHMEN 034.0162.XX







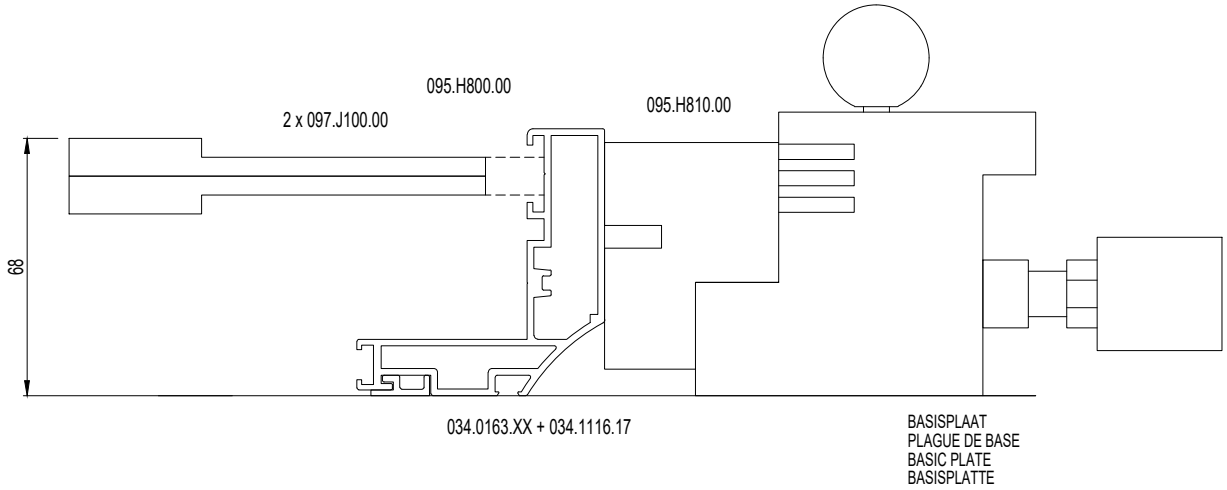
R	VERLIJMEN EN AFDICHTEN COLLER ET ENTANCHER GLUE AND SEAL OF MEIMEN UND ABDICHTEN	086.9206.SY

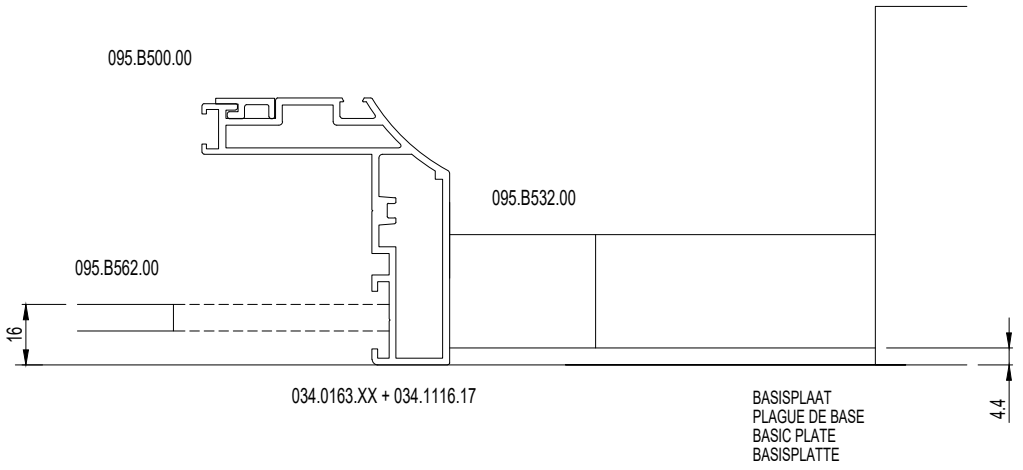
ETAG
002

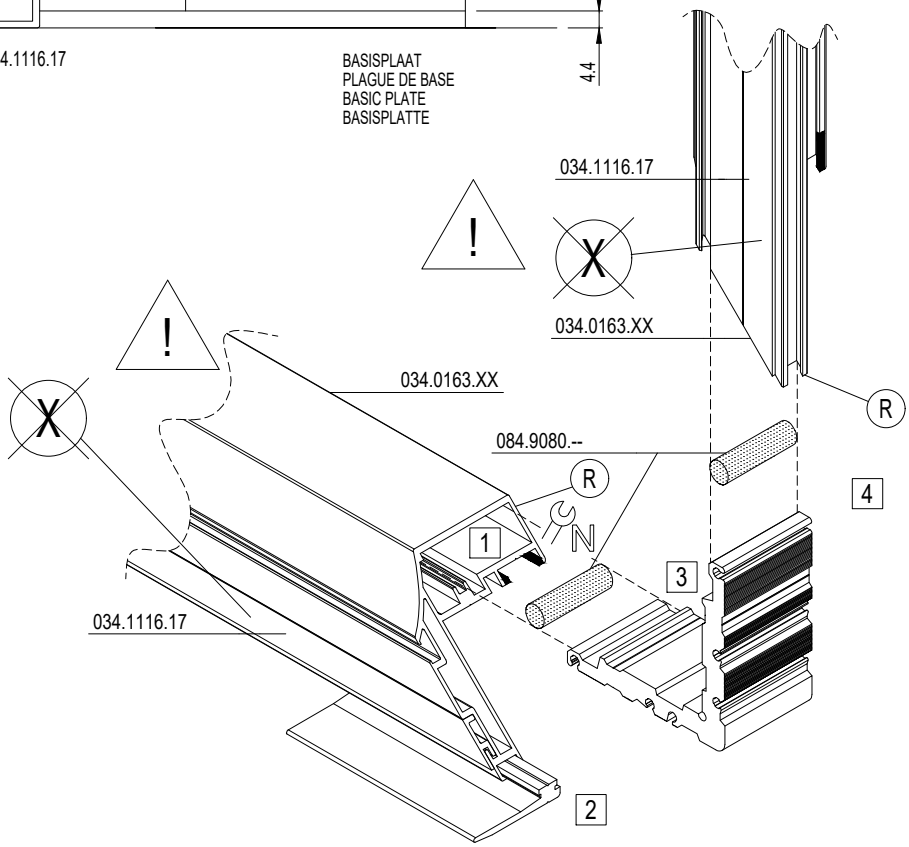
PERSEN VLEUGEL 034.0163.XX
PRESSE OUVRANT 034.0163.XX
PRESSING VENT 034.0163.XX
PRESSECKVERB. RAHMEN 034.0163.XX

Reynaers Aluminium

R	VERLIJMEN EN AFDICHTEN COLLER ET ENTANCHER GLUE AND SEAL OF MEIMEN UND ABDICHTEN	086.9206.SY





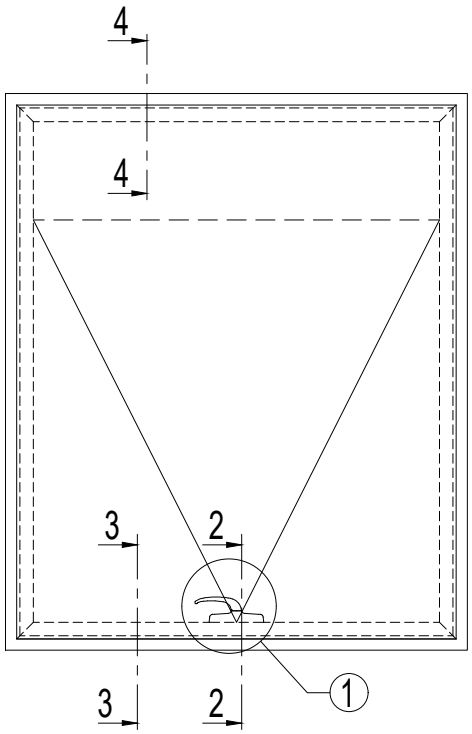


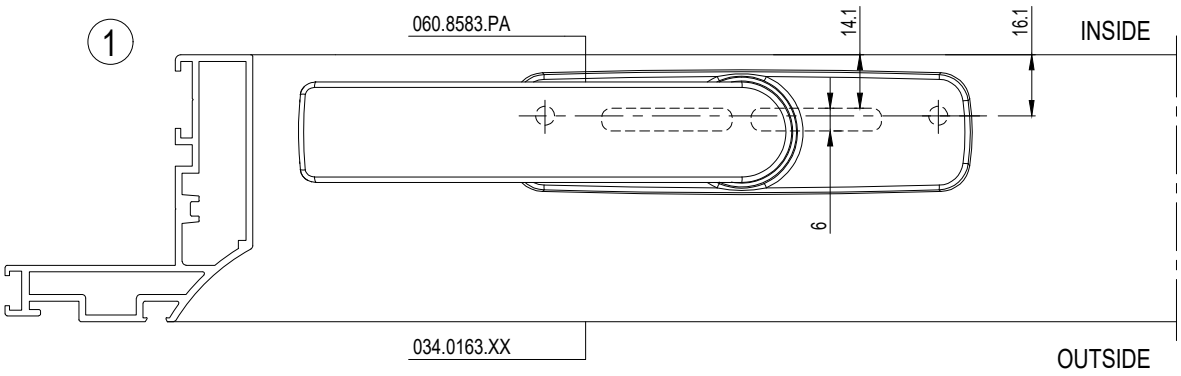
MONTAGEVOLGORDE L 'ORDRE DE MONTAGE THE ORDER OF ASSEMBLY MONTAGEREIHENFOLGE	1 2 3 .

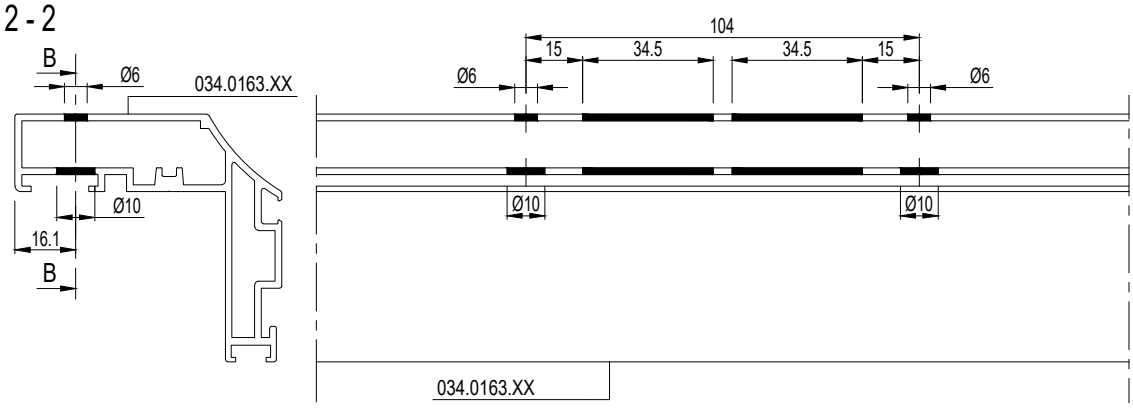
ZIE OVERZICHT TABEL VOIR APERCU TABLEAU SEE OVERVIEW TABLE SIEHE UEBERSICHT TABELL	A B C .

ETAG 002

F


4
4
3
2
3
2
1

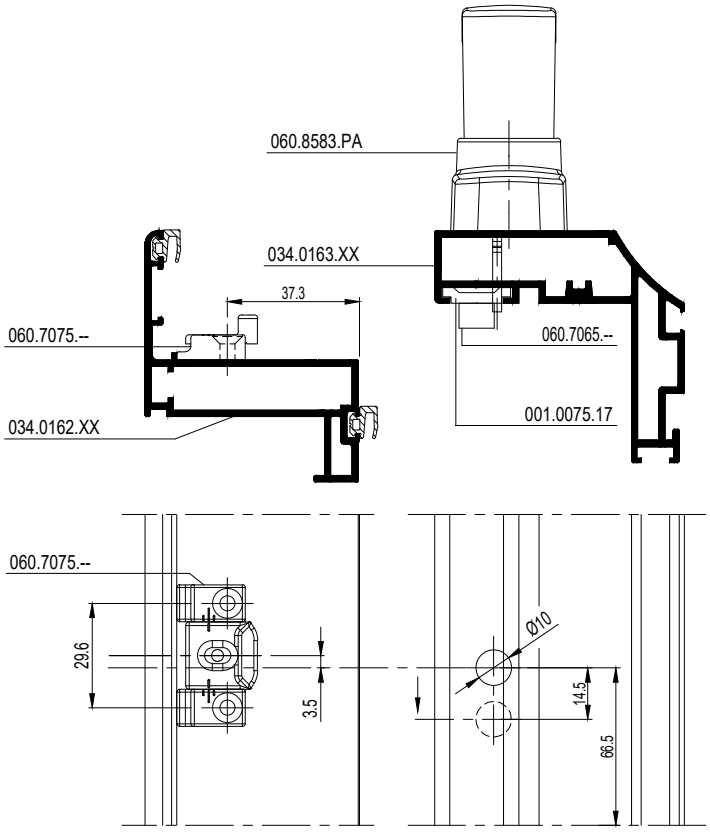

1
060.8583.PA
14.1
16.1
INSIDE
6
034.0163.XX
OUTSIDE


2 - 2
B
Ø6
034.0163.XX
Ø10
16.1
B
104
15
34.5
34.5
15
Ø6
Ø6
Ø10
Ø10
034.0163.XX

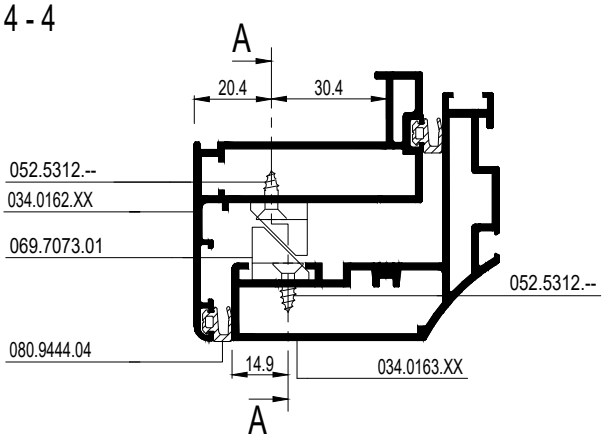
F

ETAG 002

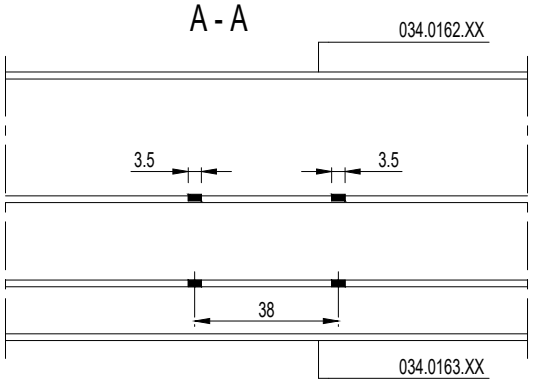
3 - 3



4 - 4

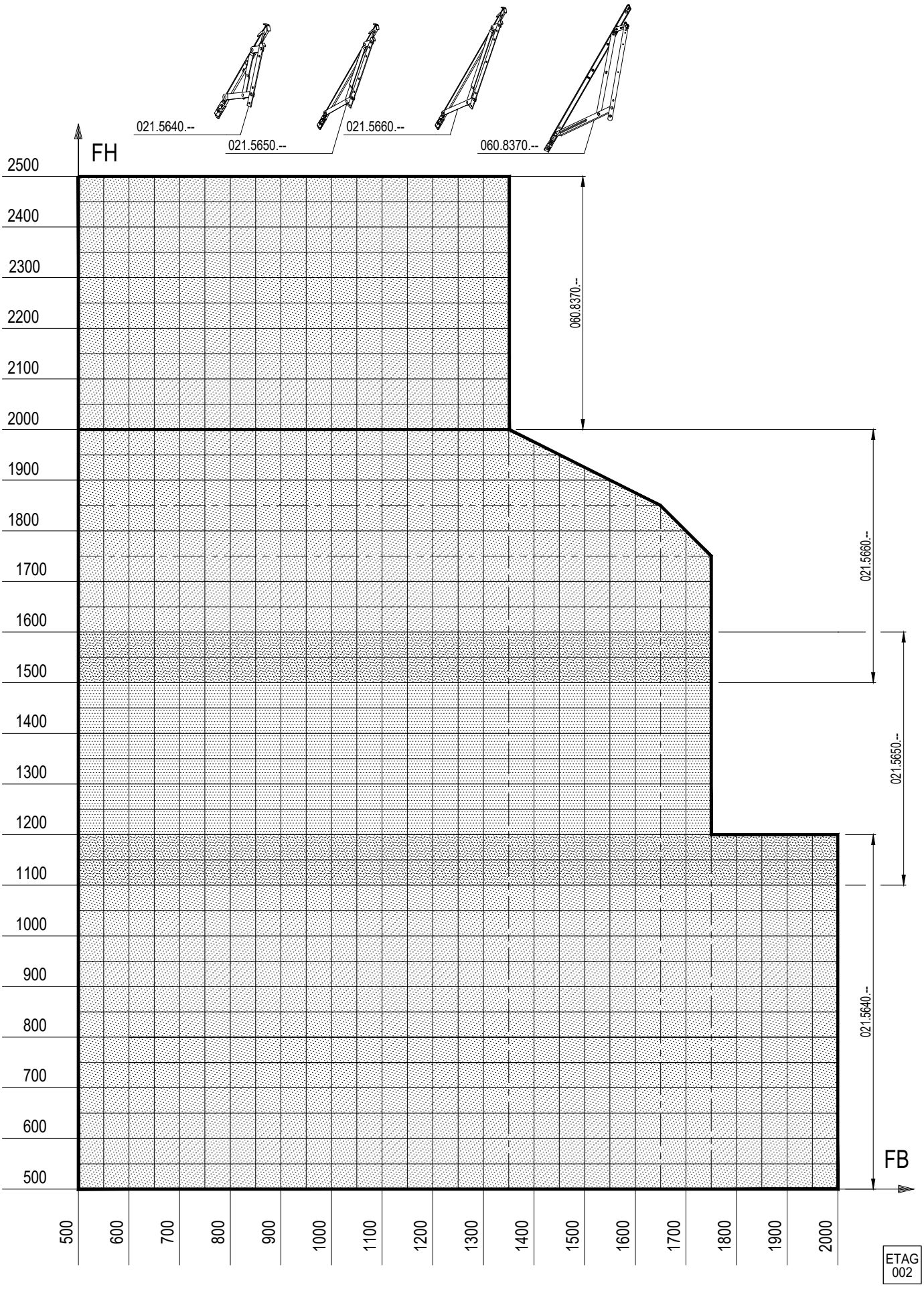


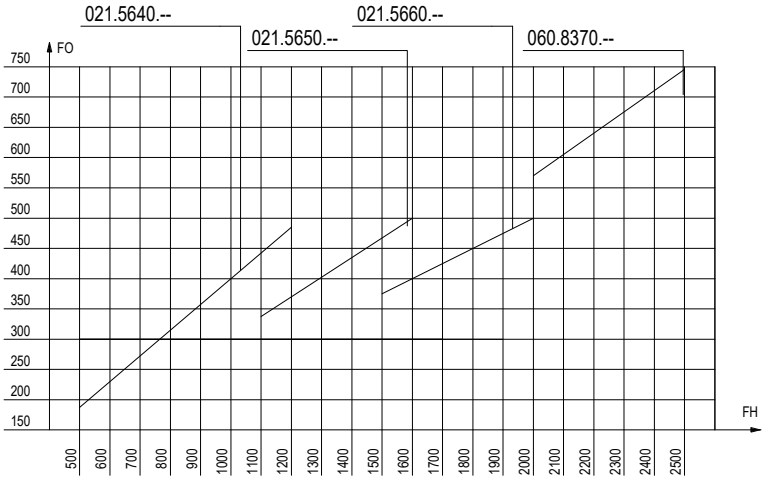
A - A



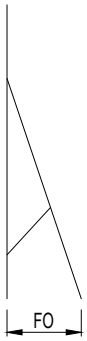
F

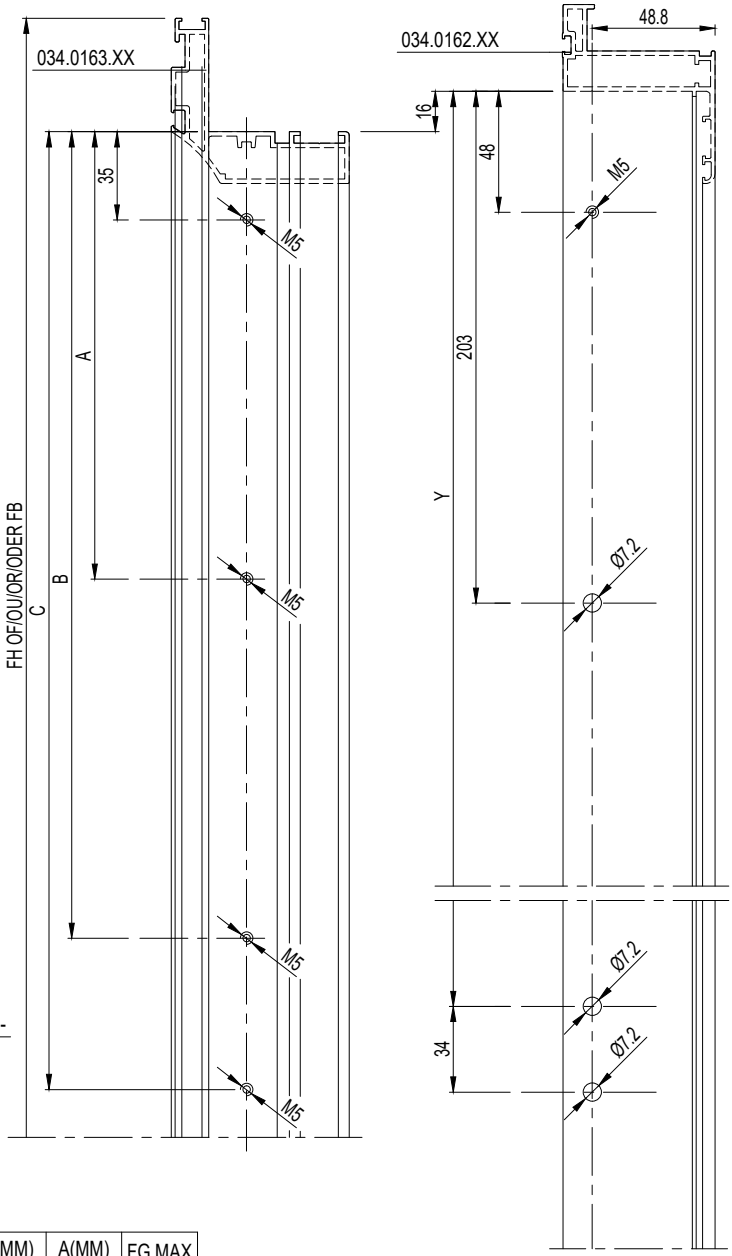
ETAG 002

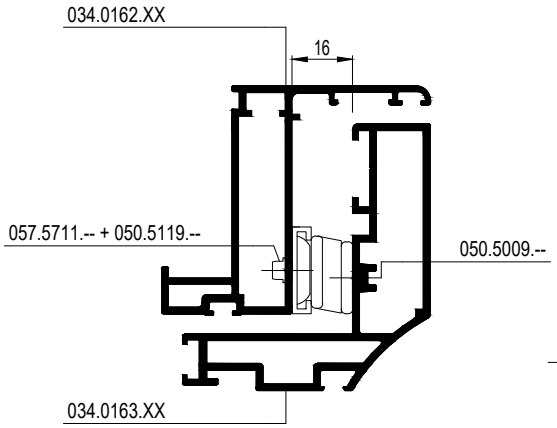

021.5640.--
021.5650.--
021.5660.--
060.8370.--
FH
FB
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
060.8370.--
021.5660.--
021.5650.--
021.5640.--
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
ETAG 002



Raamopening onderaan
Ouverture pour fenêtre en bas
Window opening below
Fensteröffnung an der Unterseite



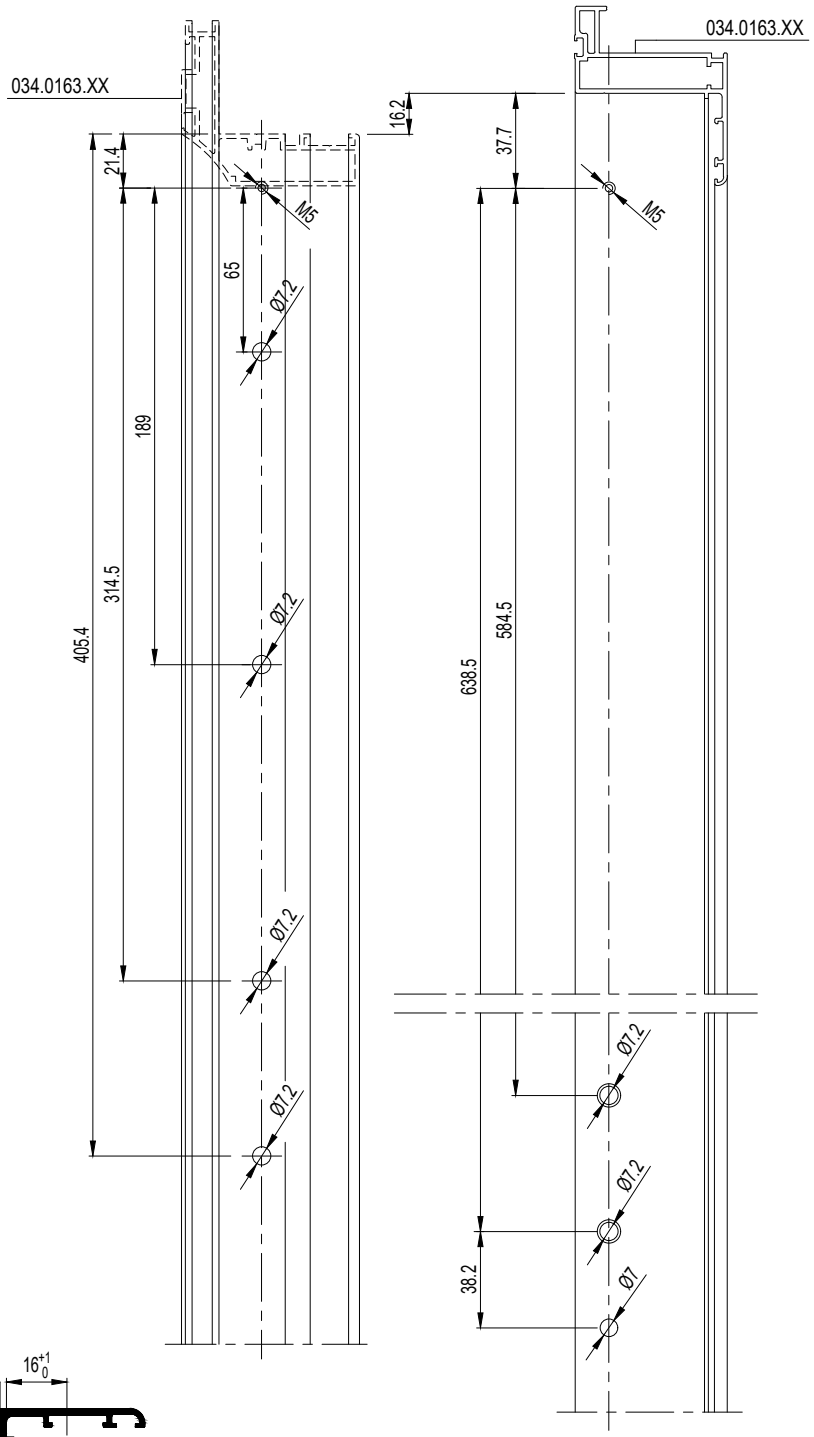


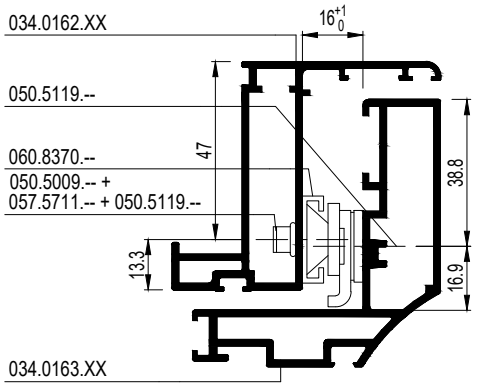


	Y(MM)	C(MM)	B(MM)	A(MM)	FG MAX
021.5640.--	363	190	140	-	80 KG
021.5650.--	494	280	220	127.5	105 KG
021.5660.--	624	380	320	177.5	130 KG

ETAG 002

F

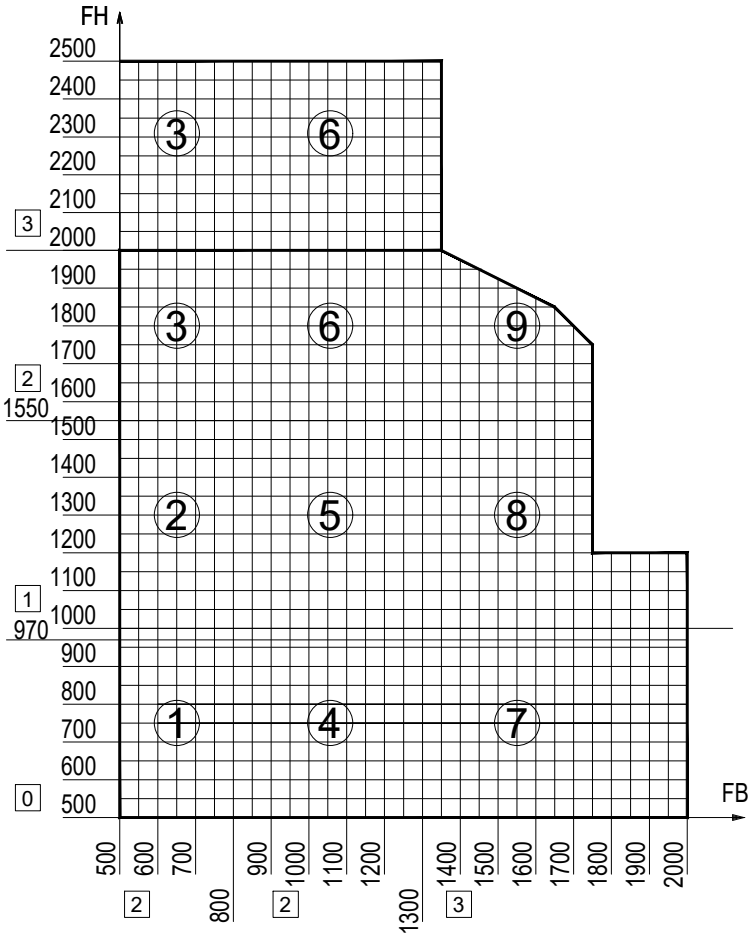


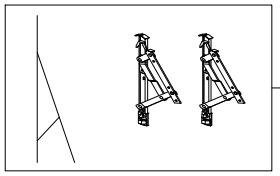


	FG MAX
060.8370.--	180 KG

ETAG 002

SCHAREN THW - CW 50-SG - CW 60-SG
COMPAS THW - CW 50-SG - CW 60-SG
FRICTION STAYS THW - CW 50-SG - CW 60-SG
SCHERE SENKKLAP - CW 50-SG - CW 60-SG

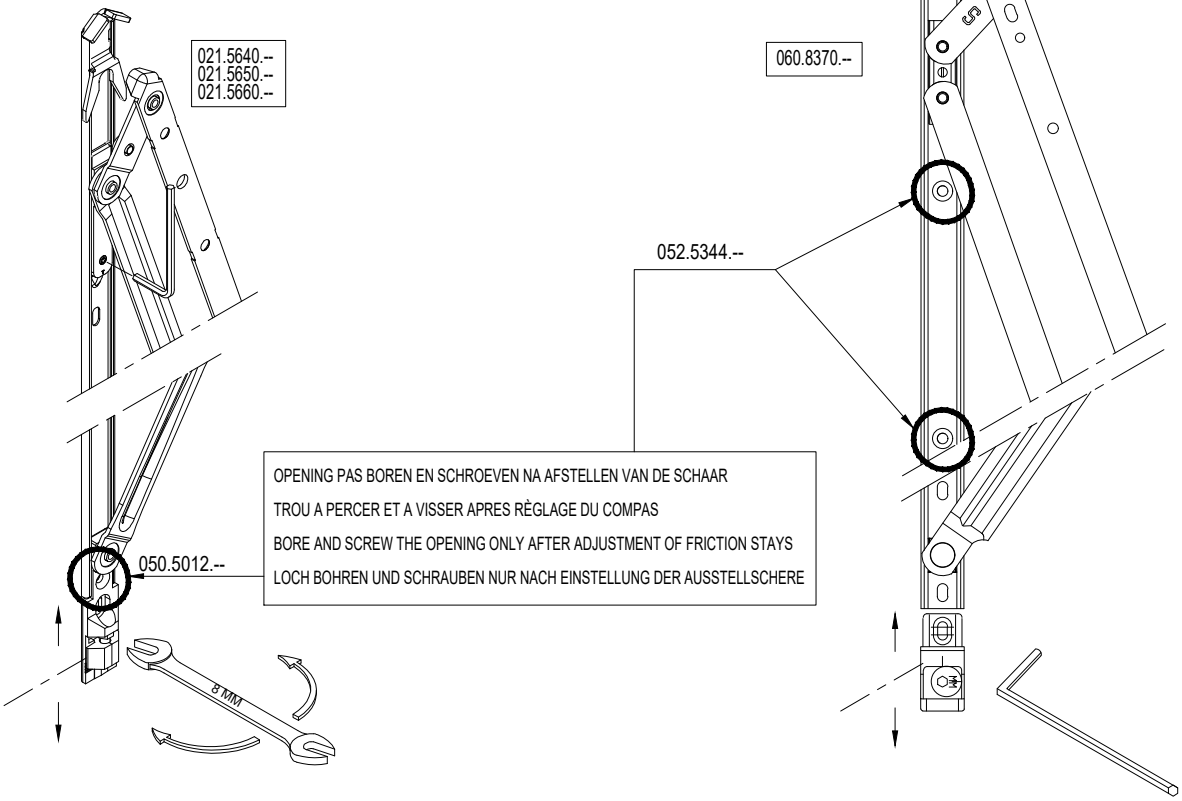




021.5640.--
021.5650.--
021.5660.--
060.8370.--

AANTAL SLUITPUNTEN
NOMBRE DE POINTS DE VERROUILLAGE
NUMBER OF LOCKING POINTS
ANZAHL DER SCHLIESSPUNKTE

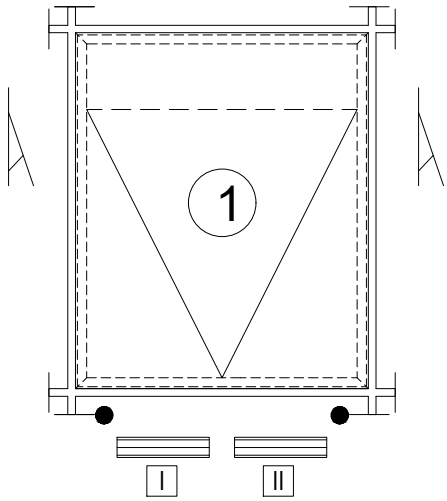
0 1 2 3

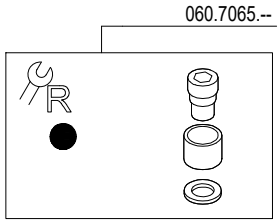


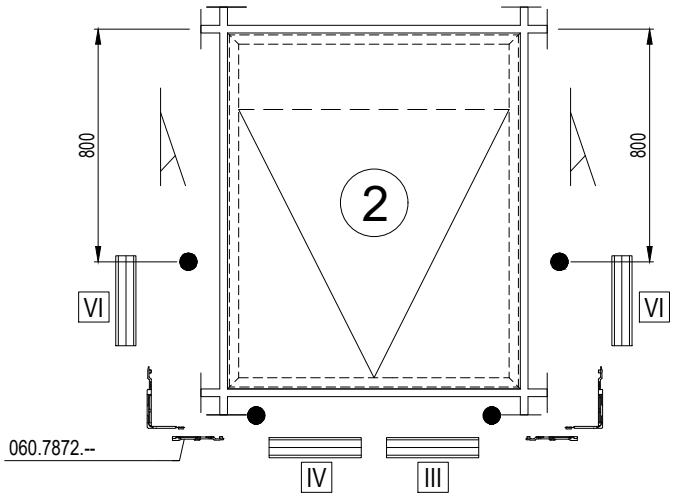
OPENING PAS BOREN EN SCHROEVEN NA AFSTELLEN VAN DE SCHAAR
TROU A PERCER ET A VISSER APRES RÈGLAGE DU COMPAS
BORE AND SCREW THE OPENING ONLY AFTER ADJUSTMENT OF FRICTION STAYS
LOCH BOHREN UND SCHRAUBEN NUR NACH EINSTELLUNG DER AUSSTELLSCHERE

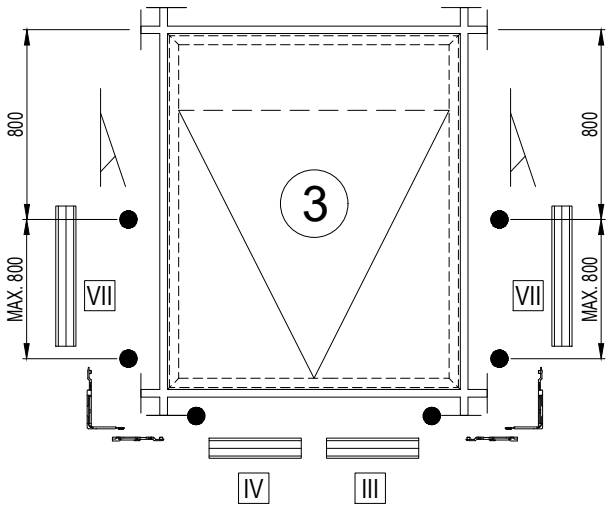
ETAG
002

F



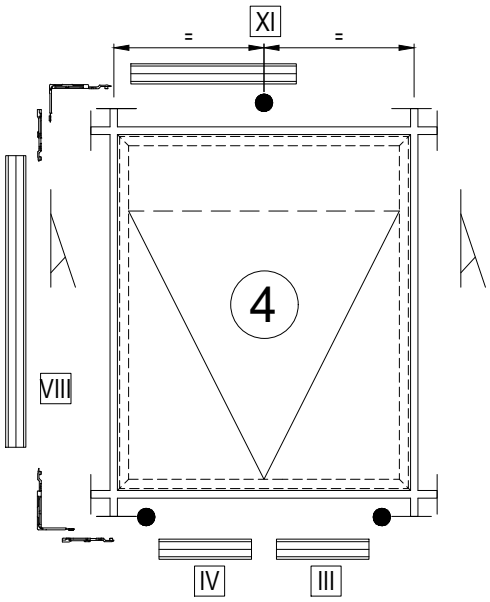


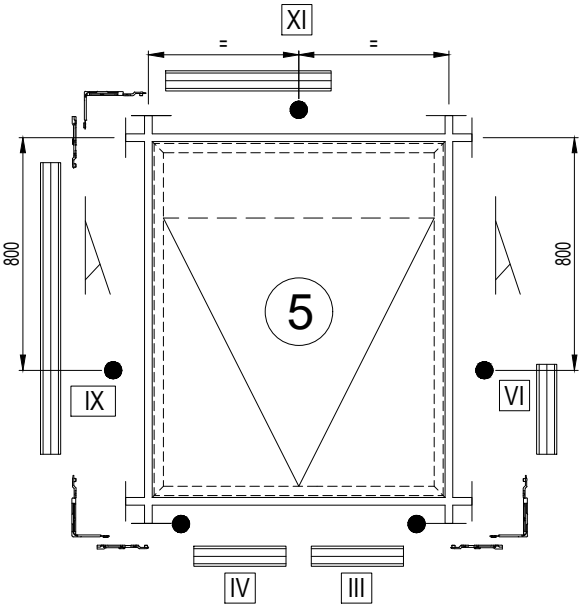


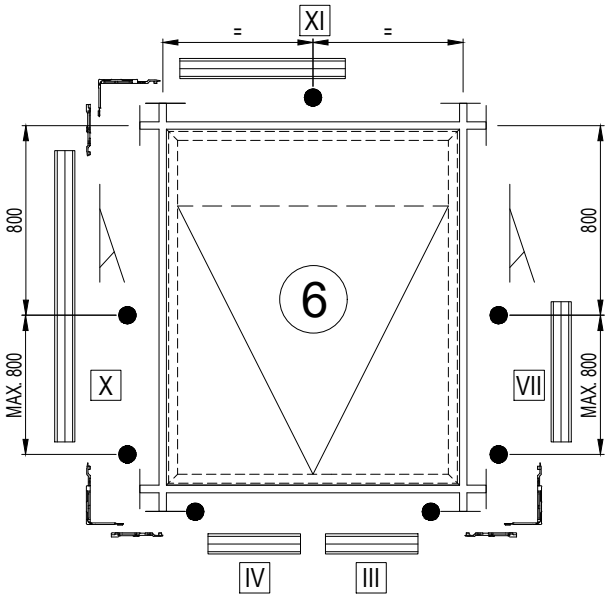


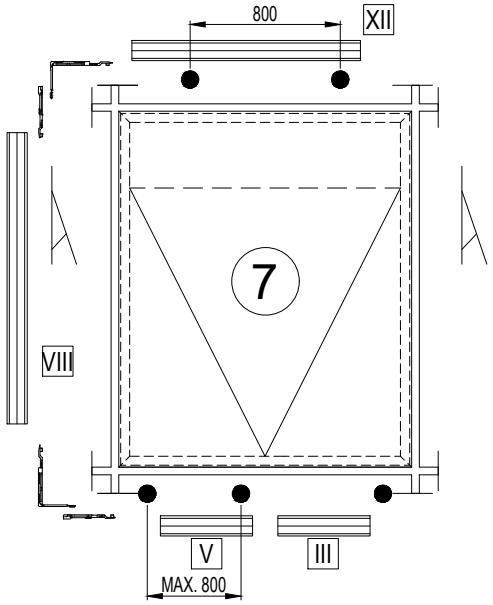
ZIE OVERZICHT TABEL
VOIR APERCU TABLEAU
SEE OVERVIEW TABLE
SIEHE UEBERSICHT TABELL

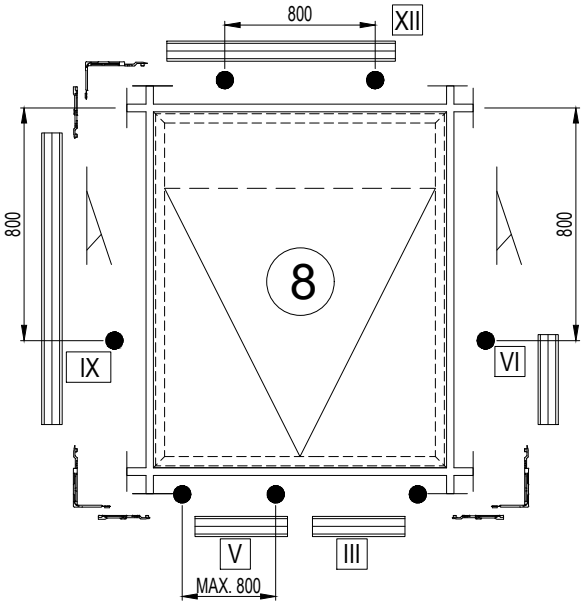
F

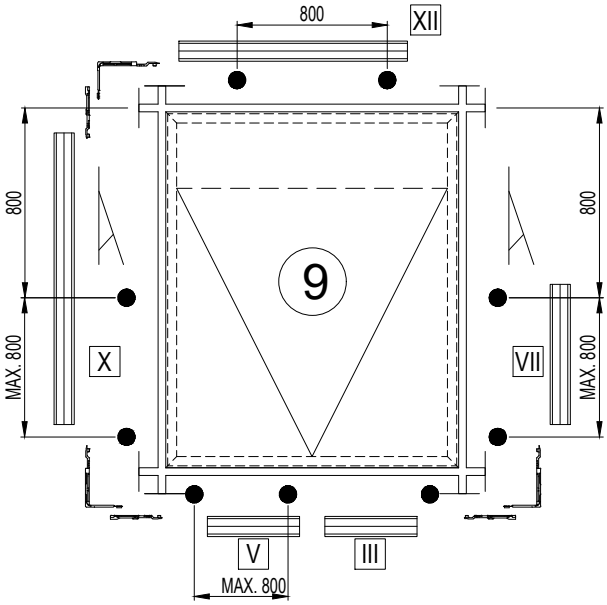

XI
=
=
4
VIII
IV
III


XI
=
=
800
800
5
IX
VI
IV
III

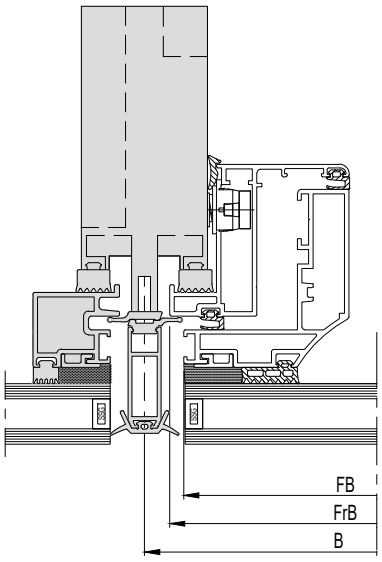

XI
=
=
800
800
6
MAX. 800
X
VII
MAX. 800
IV
III

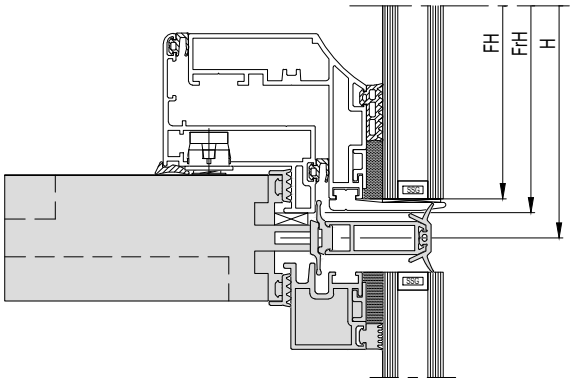

800
XII
7
VIII
V
MAX. 800
III

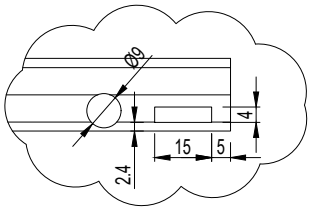

800
XII
800
800
8
IX
VI
V
MAX. 800
III

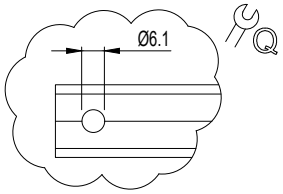

800
XII
800
800
9
MAX. 800
X
VII
MAX. 800
V
MAX. 800
III

F

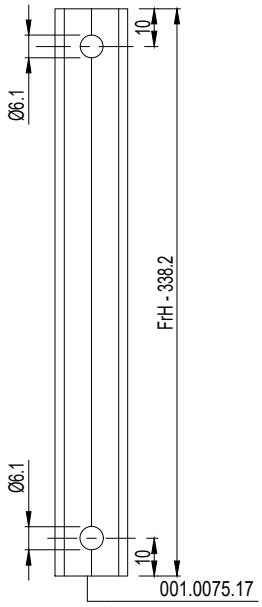




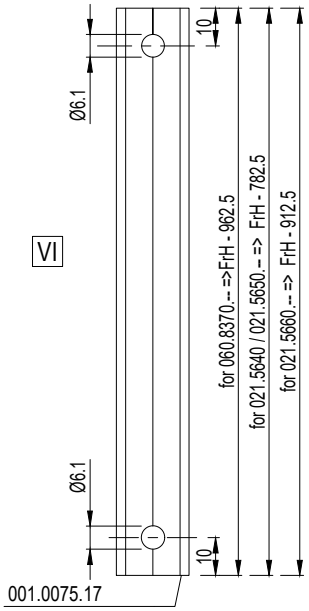




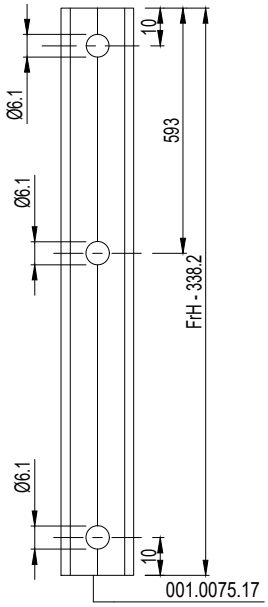
VIII



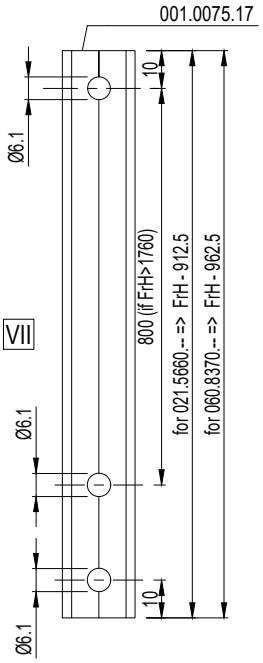
VI



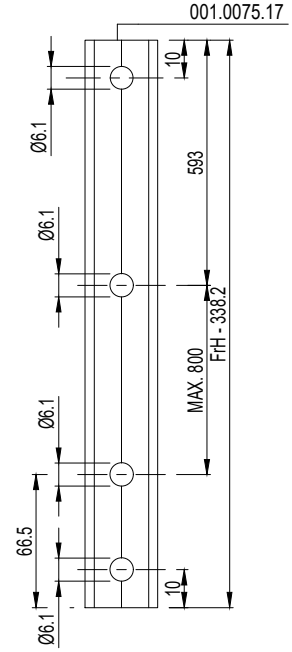
IX



VII



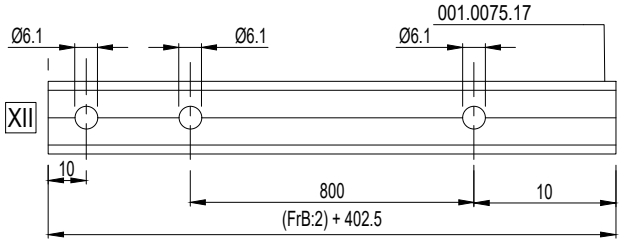
X

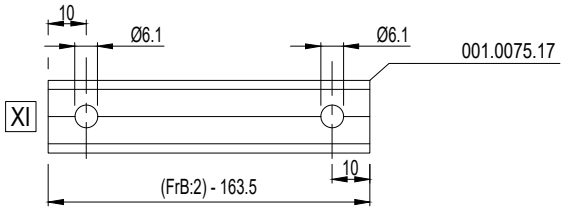


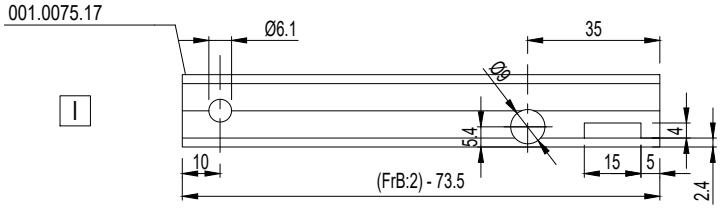
ZIE OVERZICHT TABEL
VOIR APERCU TABLEAU
SEE OVERVIEW TABLE
SIEHE UEBERSICHT TABELL

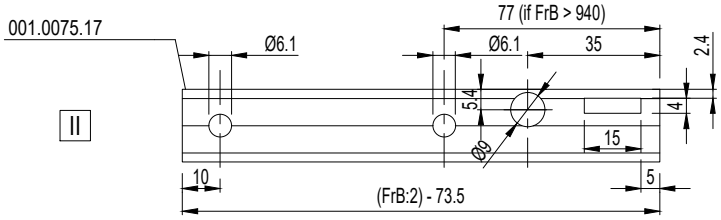
ETAG 002

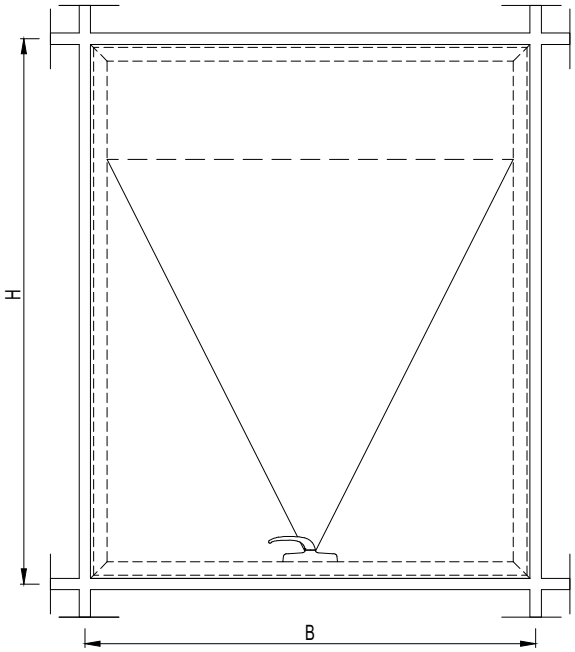
F

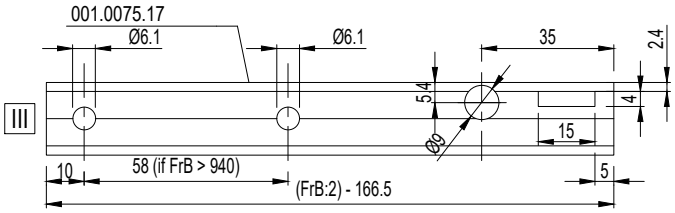

001.0075.17
Ø6.1
Ø6.1
Ø6.1
XII
10
800
10
(FrB:2) + 402.5

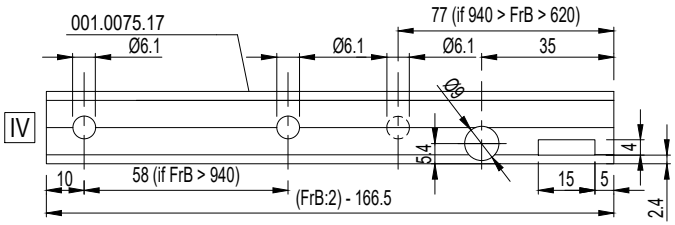

10
Ø6.1
Ø6.1
001.0075.17
XI
10
(FrB:2) - 163.5

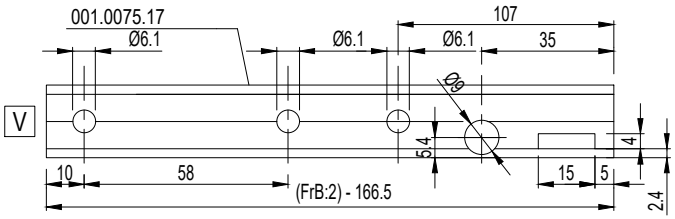

001.0075.17
Ø6.1
35
I
Ø9
5.4
4
10
15
5
2.4
(FrB:2) - 73.5


001.0075.17
77 (if FrB > 940)
Ø6.1
Ø6.1
35
2.4
II
5.4
4
Ø9
15
10
5
(FrB:2) - 73.5


H
B

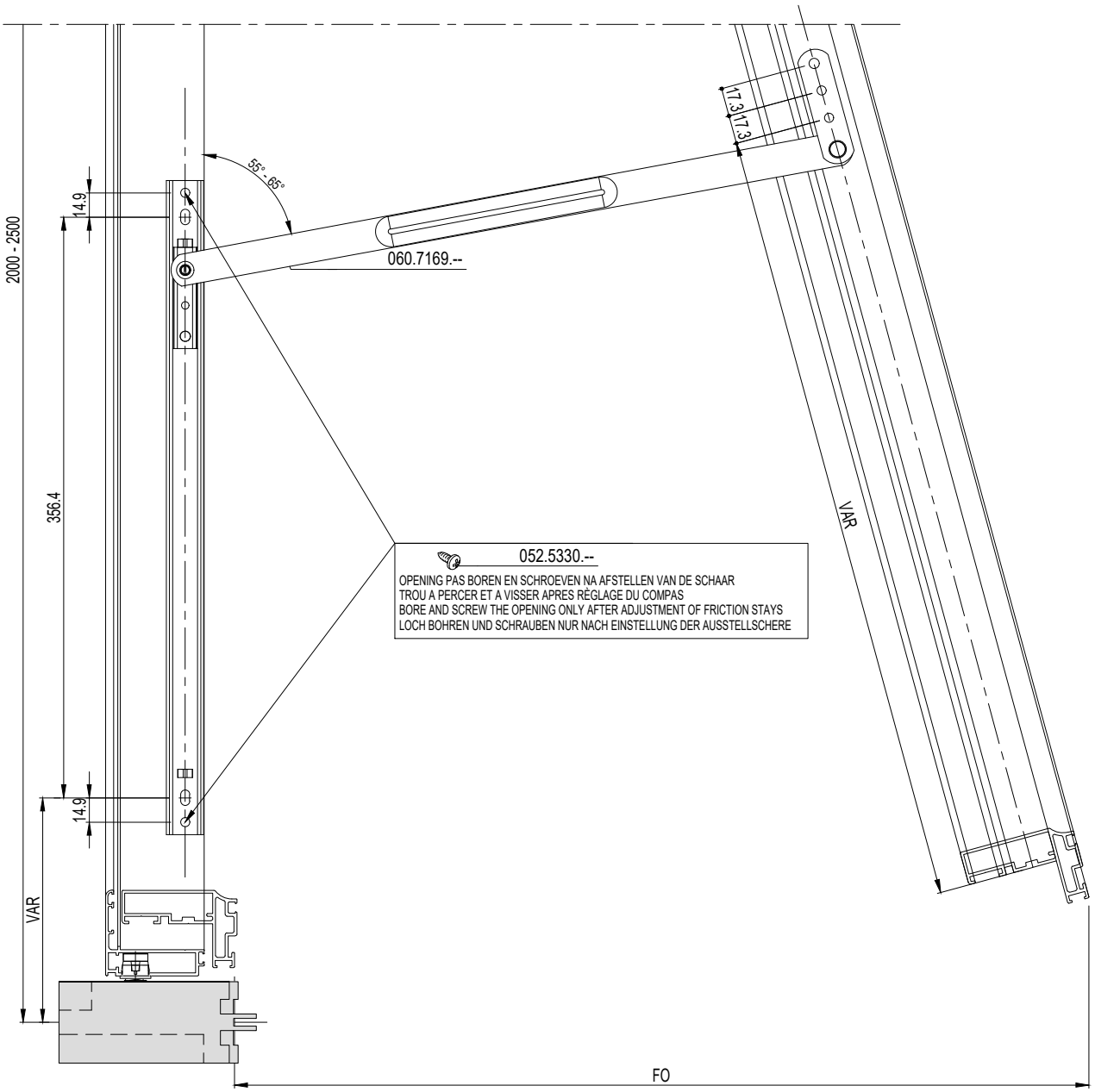

001.0075.17
Ø6.1
Ø6.1
35
2.4
III
5.4
4
Ø9
15
10
58 (if FrB > 940)
5
(FrB:2) - 166.5

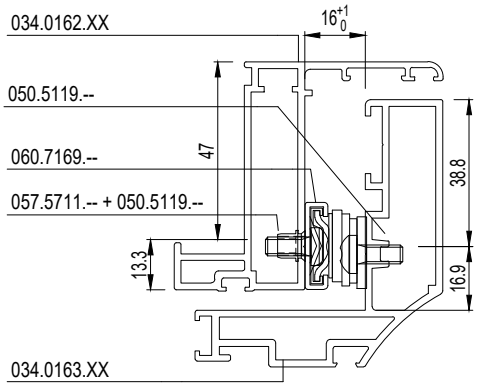

001.0075.17
77 (if 940 > FrB > 620)
Ø6.1
Ø6.1
Ø6.1
35
IV
Ø9
5.4
4
10
58 (if FrB > 940)
15
5
2.4
(FrB:2) - 166.5


001.0075.17
107
Ø6.1
Ø6.1
Ø6.1
35
V
Ø9
5.4
4
10
58
15
5
2.4
(FrB:2) - 166.5

F

RAAMBEGRENZER THW - CW 50-SG - CW 60-SG
LIMITEUR D'OUVERTURE THW - CW 50-SG - CW 60-SG
RESTRICTOR THW - CW 50-SG - CW 60-SG
BEGRENZUNGSSCHERE THW - CW 50-SG - CW 60-SG

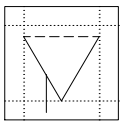


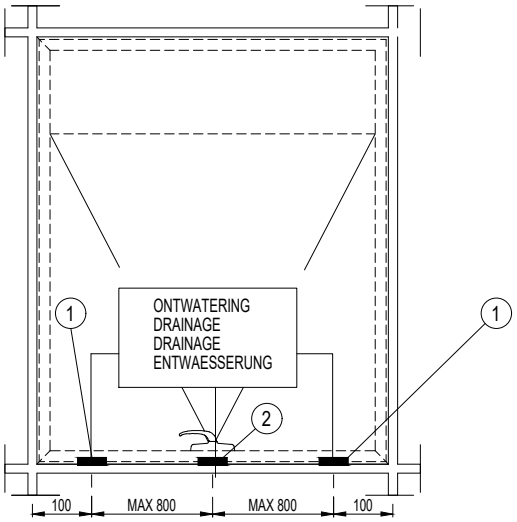


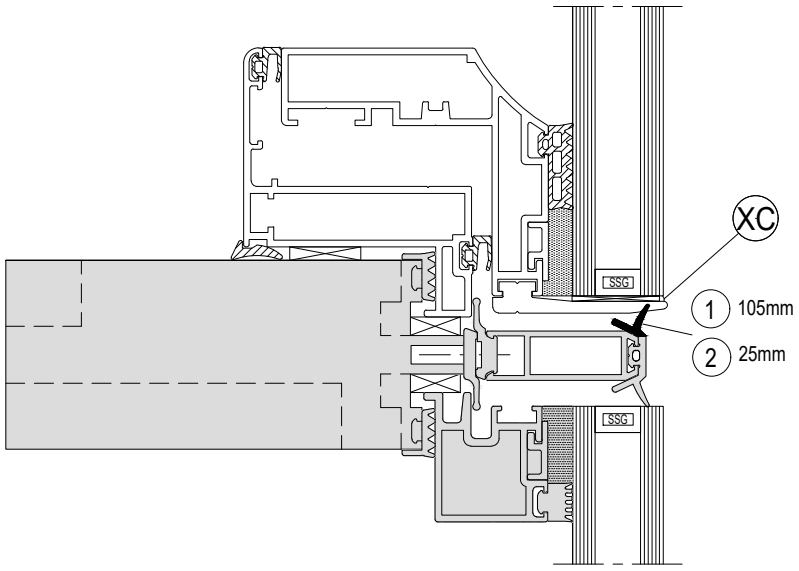
060.7169.--

VERPLICHT MET 060.8370.-- (FH > 2000MM)
OBLIGATOIRE AVEC 060.8370.-- (FH > 2000MM)
OBIGATORY WITH 060.8370.-- (FH > 2000MM)
ERFORDERLICH MIT 060.8370.-- (FH > 2000MM)

ETAG 002



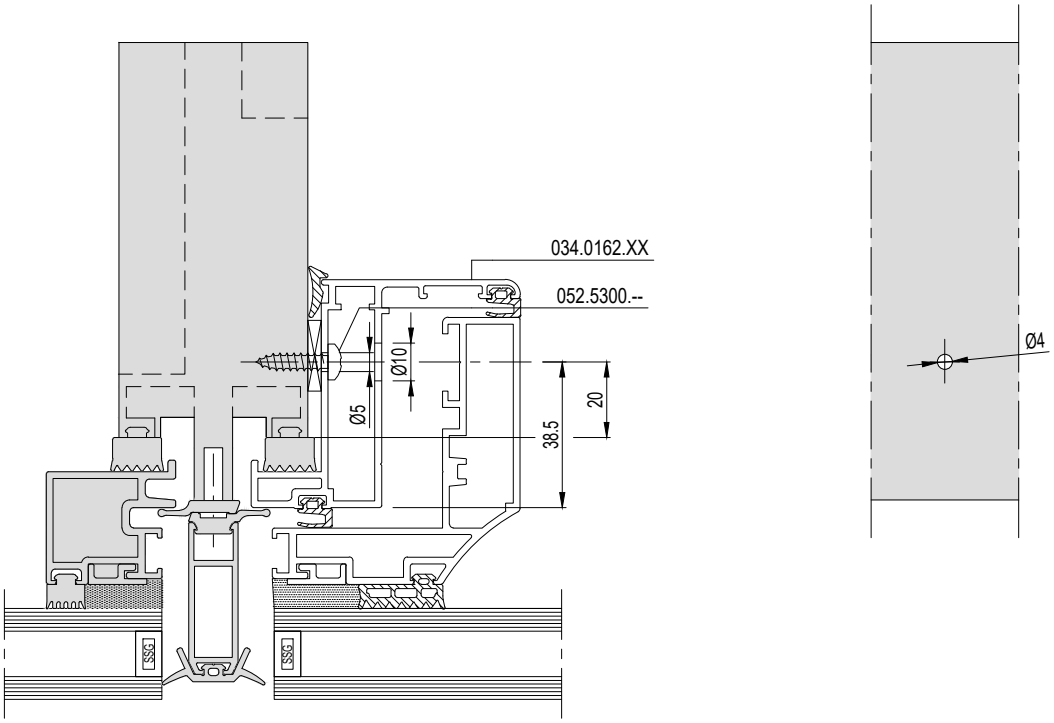


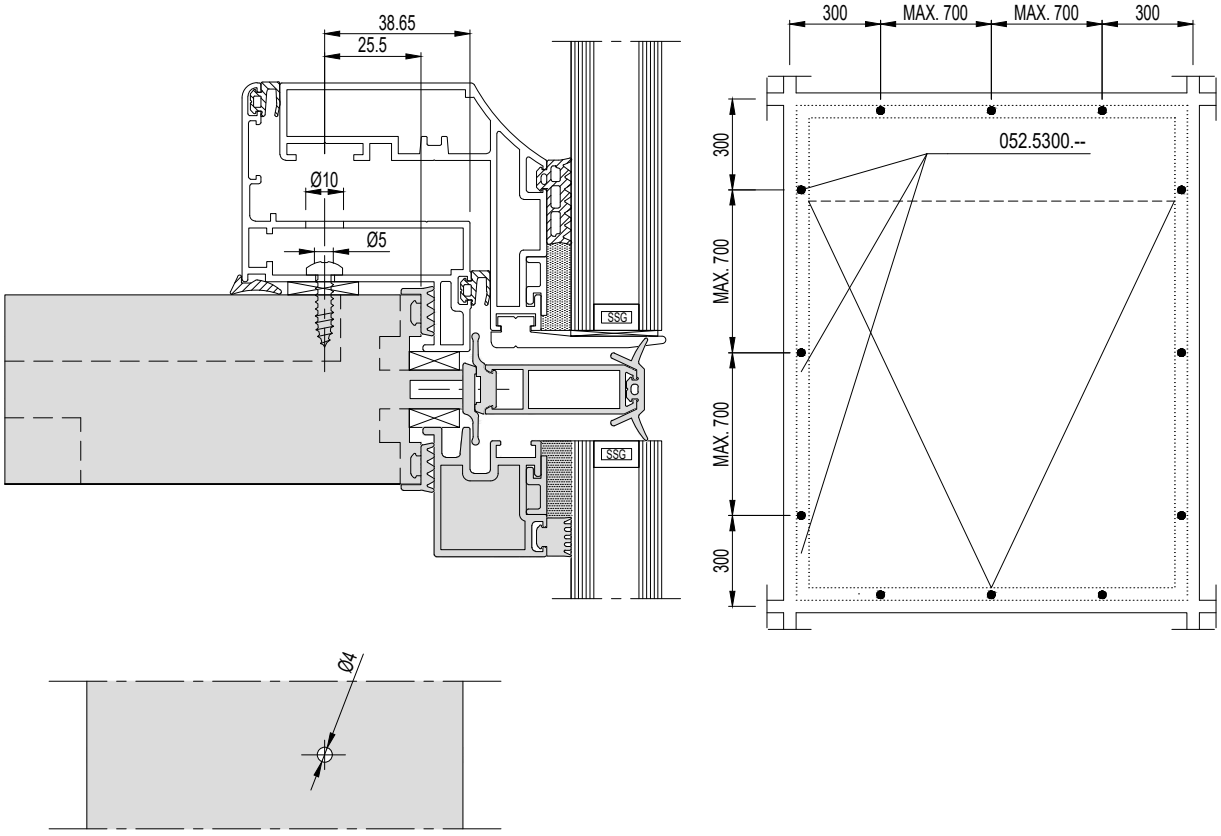


F

XC SILICONEN MET LAGE MODULUS (B.V.*), COMPATIBEL MET STRUCTURELE VERLIJMING
SILICON A BAS MODULE (P.E.*), COMPATIBLE AVEC LE COLLAGE STRUCTUREL
LOW MODULUS SILICONE (E.G.*), COMPATIBLE WITH STRUCTURAL BONDING
SILIKON MIT NIEDRIGEM ELASTIZITATSMODUL (Z.B.*), KOMP. MIT STRUKTURELLER VERKLEBUNG
*DC791 / WS605 / PROGLAZE LMA

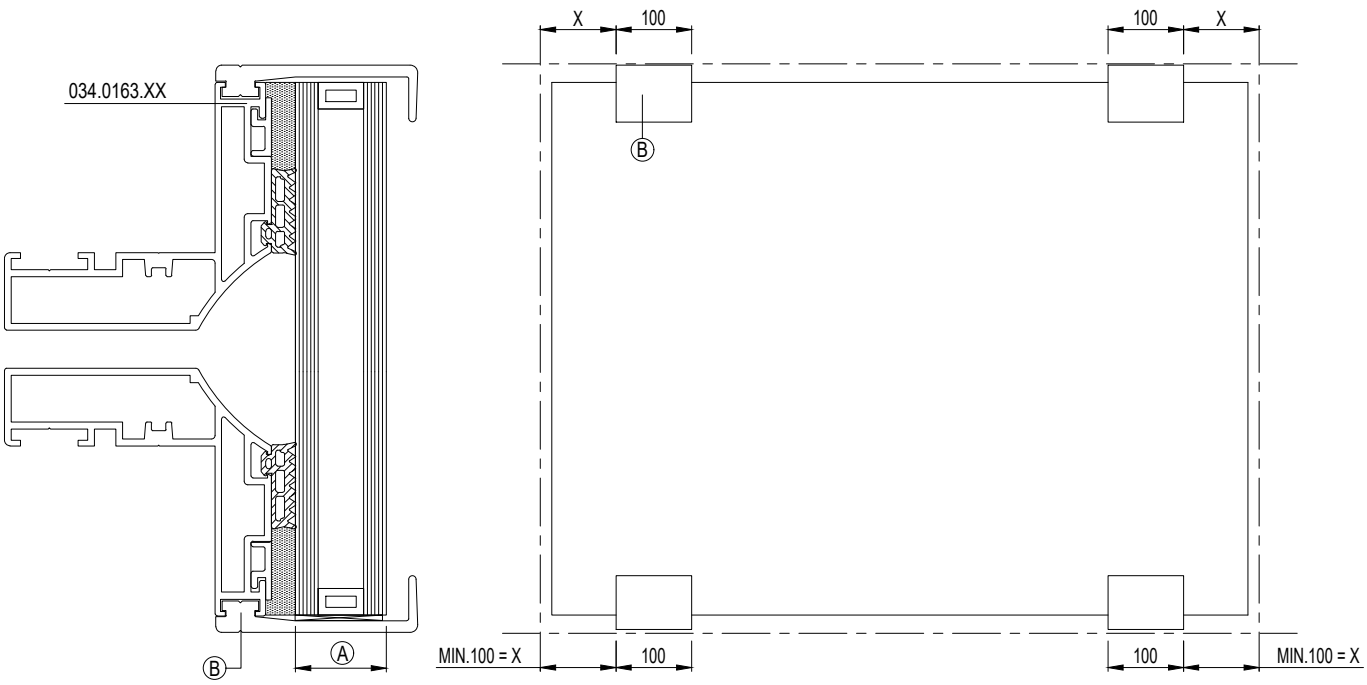
ETAG 002


034.0162.XX
052.5300.--
Ø10
Ø5
38.5
20
Ø4
SSG


38.65
25.5
Ø10
Ø5
SSG
300
MAX. 700
MAX. 700
300
052.5300.--
300
MAX. 700
MAX. 700
300
Ø4

F

ETAG
002

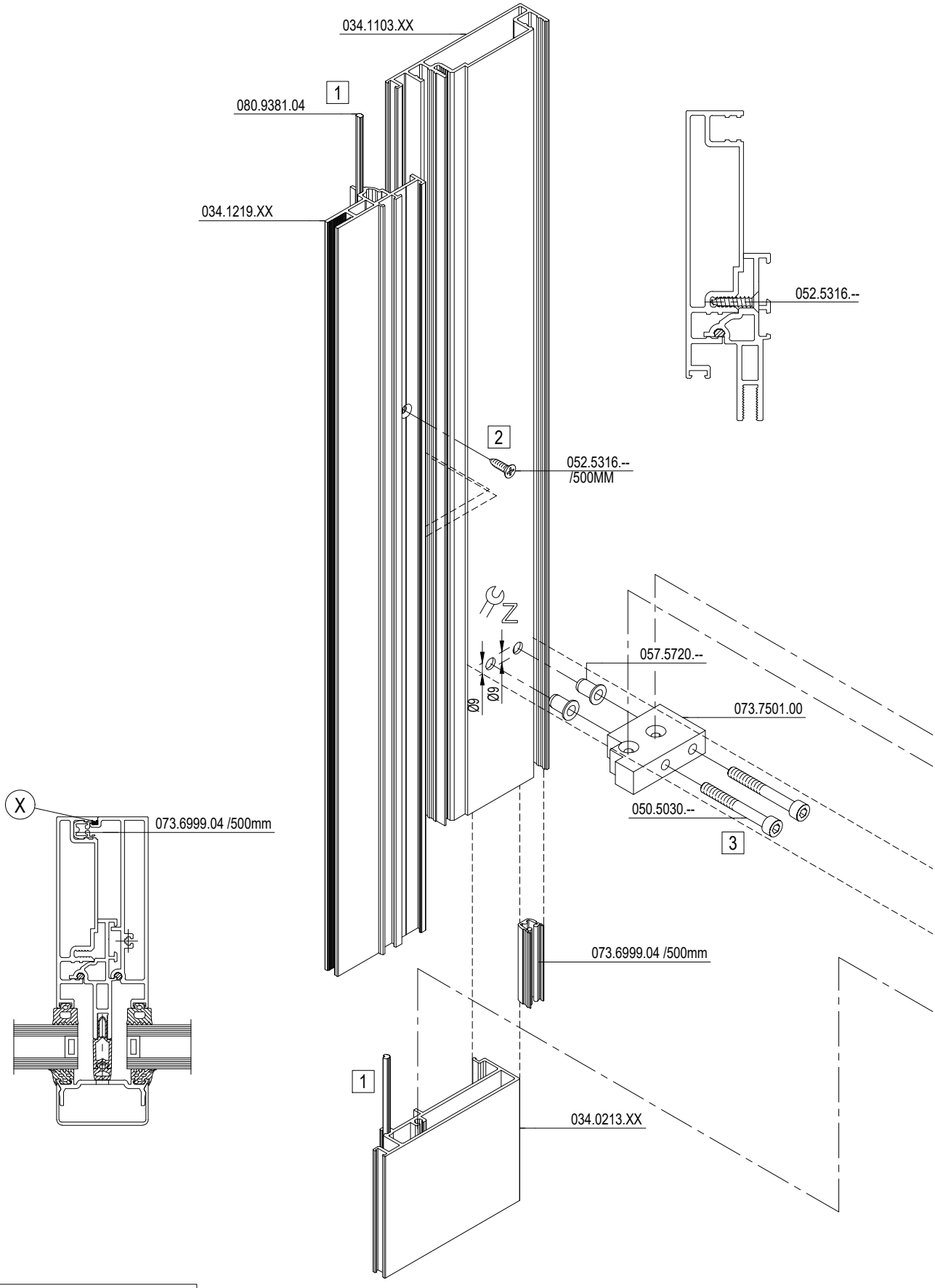


Ⓐ	Ⓑ
GLAS VERRE GLASS GLAS	GLASSTEUN / MECHANISCHE BEVEILIGING SUPPORT CALE DE VITRAGE / PROTECTION MECANIQUE GLASS SUPPORT / MECHANICAL SAFETY GLASAUFLAGEPROFIL / MECHANISCHE SICHERUNG
24 - 27 mm	073.7280.39
28 - 34 mm	073.7282.39
35 - 36 mm	073.7284.39

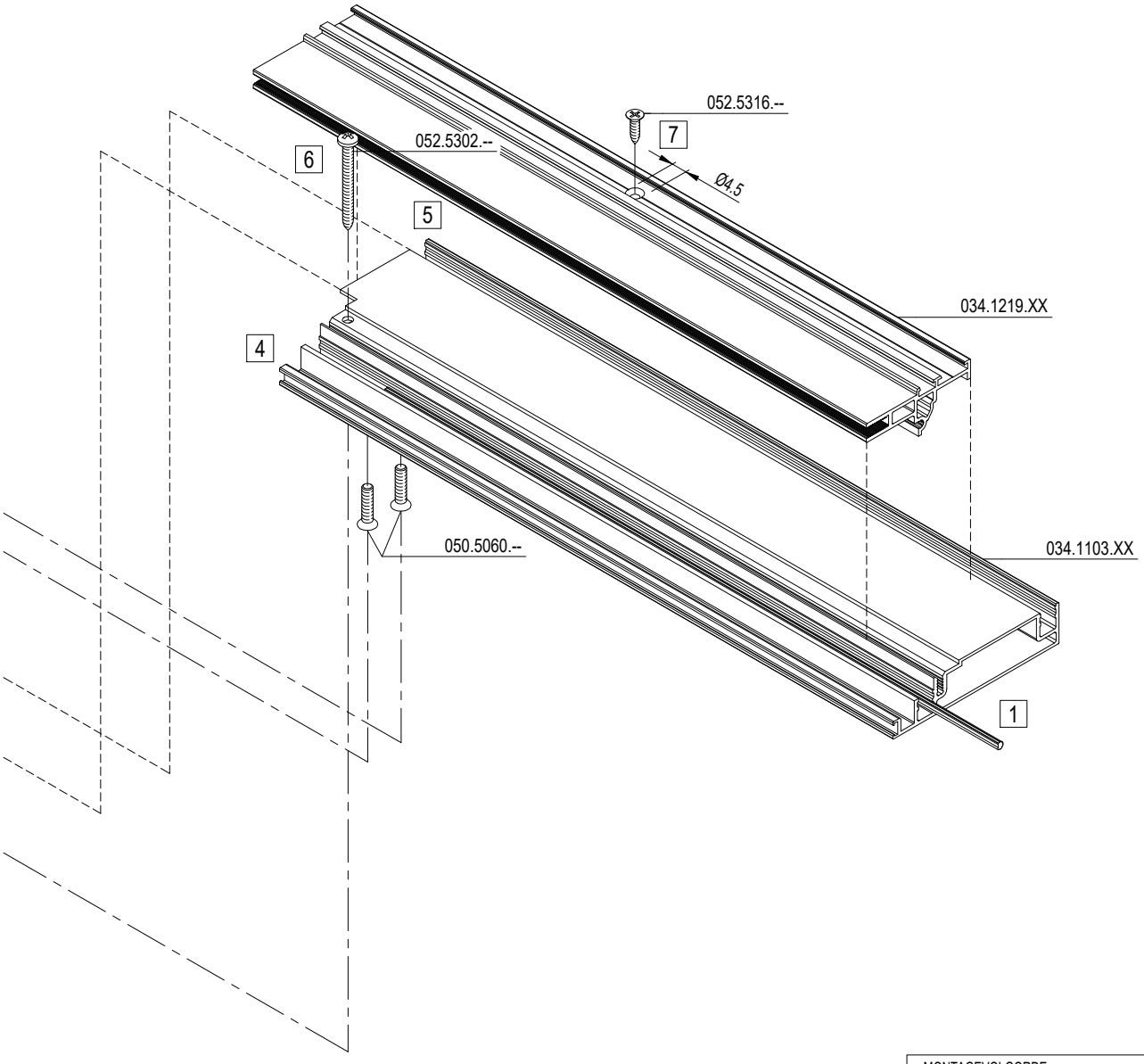
MECHANISCHE BEVEILIGING GLAS IS VERPLICHT BOVEN INGANG.
BIJKOMENDE TOEPASSINGEN VOLGENS LOCALE RICHTLIJNEN.
SECURITE MECANIQUE DU VERRE EST OBLIGATOIRE AUDESSOUS DE L'ENTREE.
APPLICATIONS SUPPLEMENTAIRES SELON LES DIRECTIVES LOCALES.
MECHANISCHE SICHERUNG DES GLASES OBEN EINGANG IST VERPFLICHTET.
ZUSATZLICHE ANWENDUNGEN GEMAß DEN LOKALEN RICHTLINIEN.
MECHANICAL SAFETY OF THE GLASS IS OBLIGED ABOVE THE ENTRANCE.
ADDITIONAL APPLICATIONS ACCORDING TO THE LOCAL PRESCRIPTIONS.

ETAG 002

VERBORGEN VLEUGEL
OUVRANT CACHE
HIDDEN VENT
VERDECKTER FLUEGEL

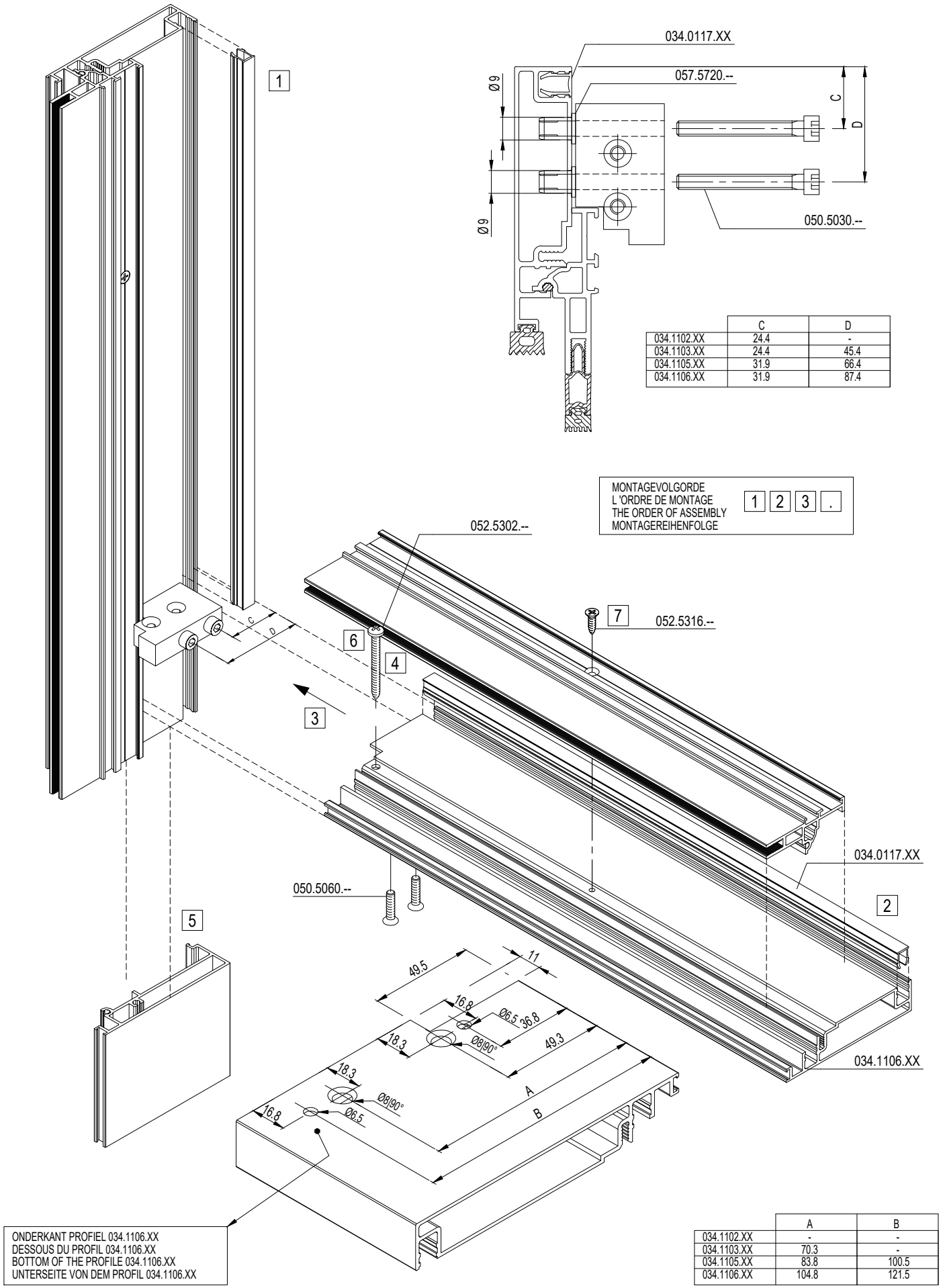


ZIE OVERZICHT TABEL
VOIR APERCU TABLEAU
SEE OVERVIEW TABLE
SIEHE UEBERSICHT TABELL



MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

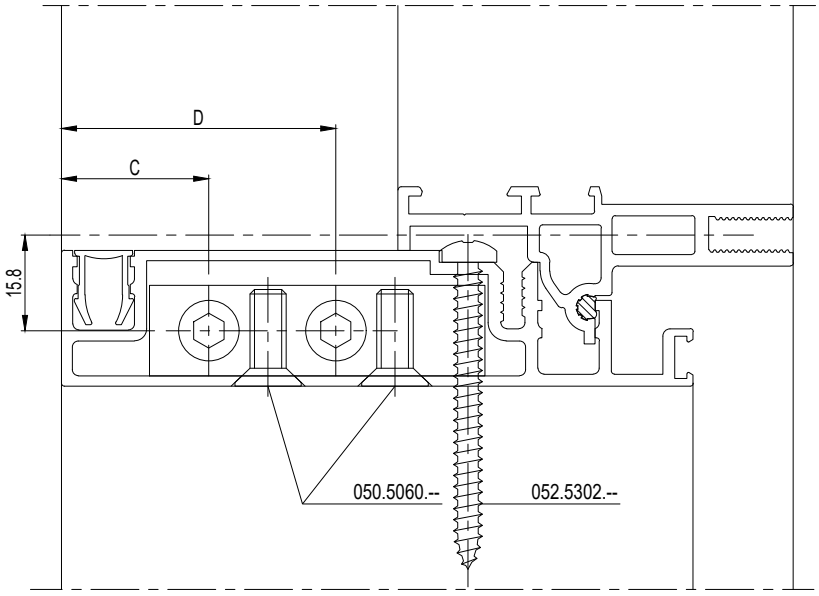
F

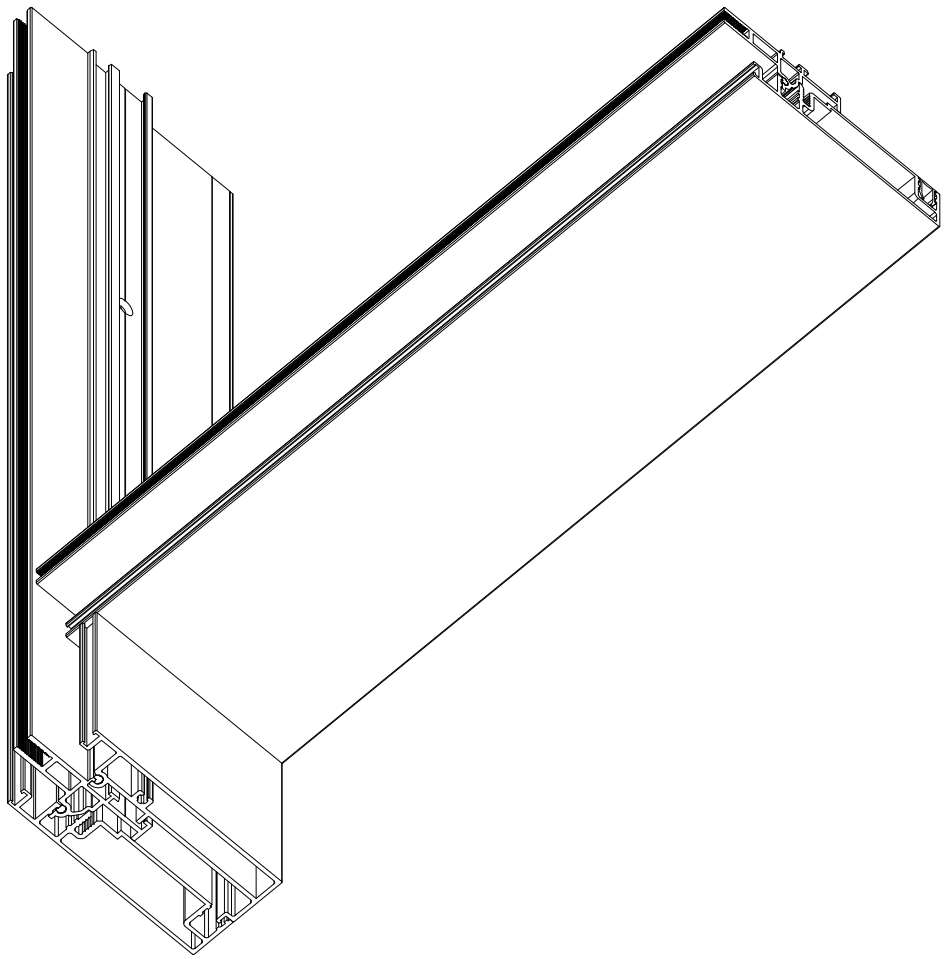


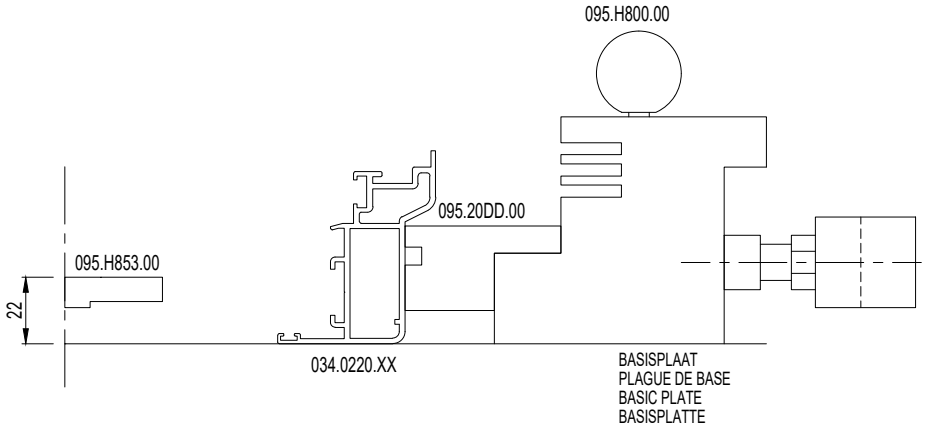
	C	D
034.1102.XX	24.4	-
034.1103.XX	24.4	45.4
034.1105.XX	31.9	66.4
034.1106.XX	31.9	87.4

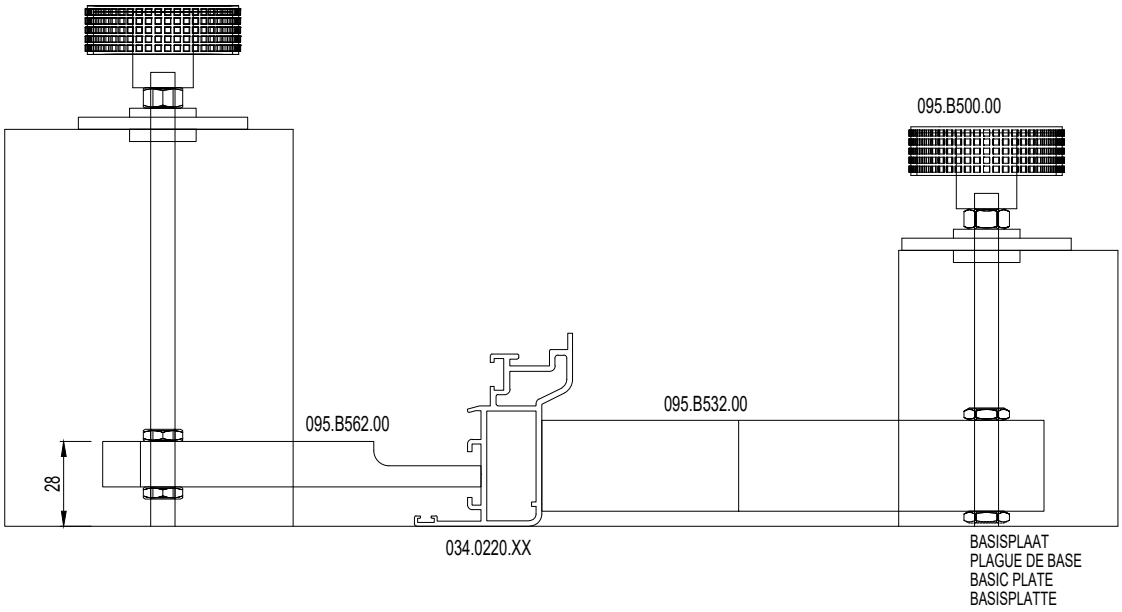
	A	B
034.1102.XX	-	-
034.1103.XX	70.3	-
034.1105.XX	83.8	100.5
034.1106.XX	104.8	121.5

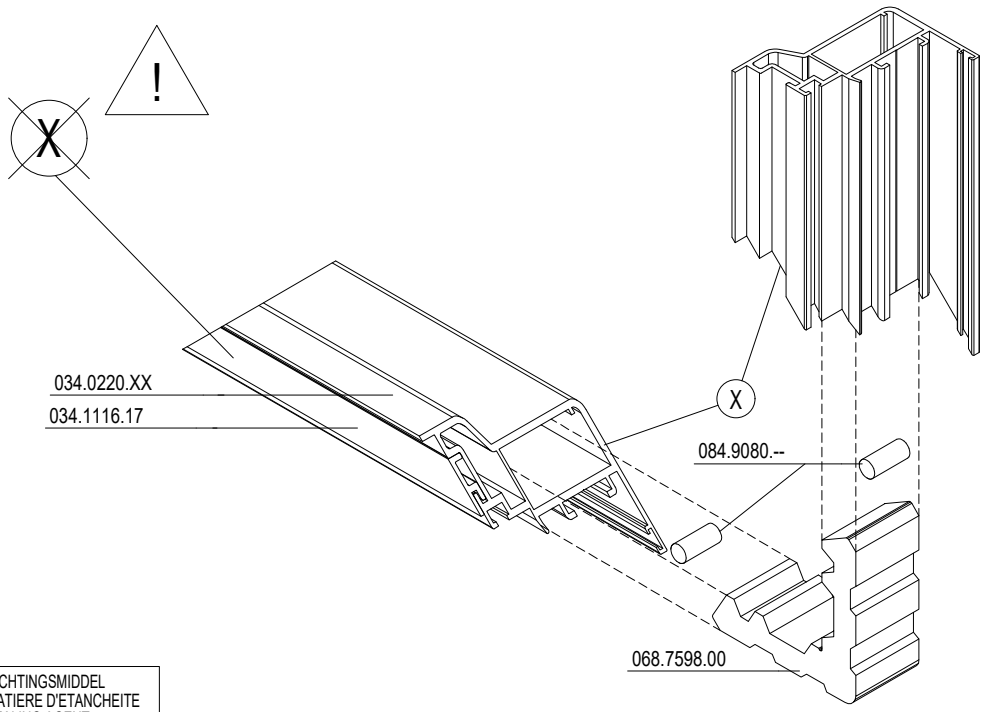
F


D
C
15.8
050.5060.--
052.5302.--







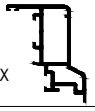
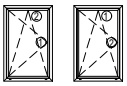


X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG
002

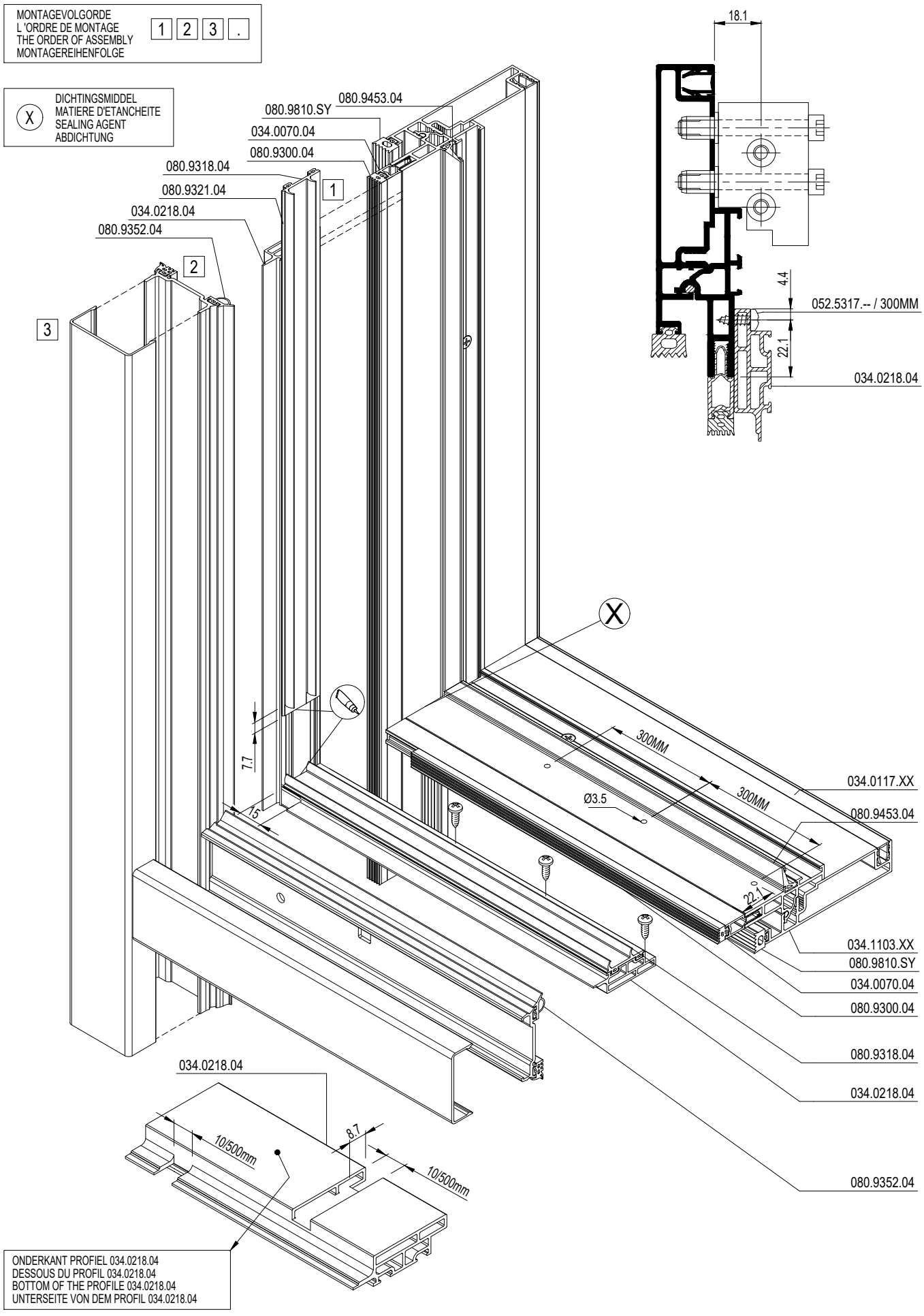
F

VERBORGEN VLEUGEL SSG
OUVRANT CACHE SSG
HIDDEN VENT SSG
VERDECKTER FLUEGEL SSG

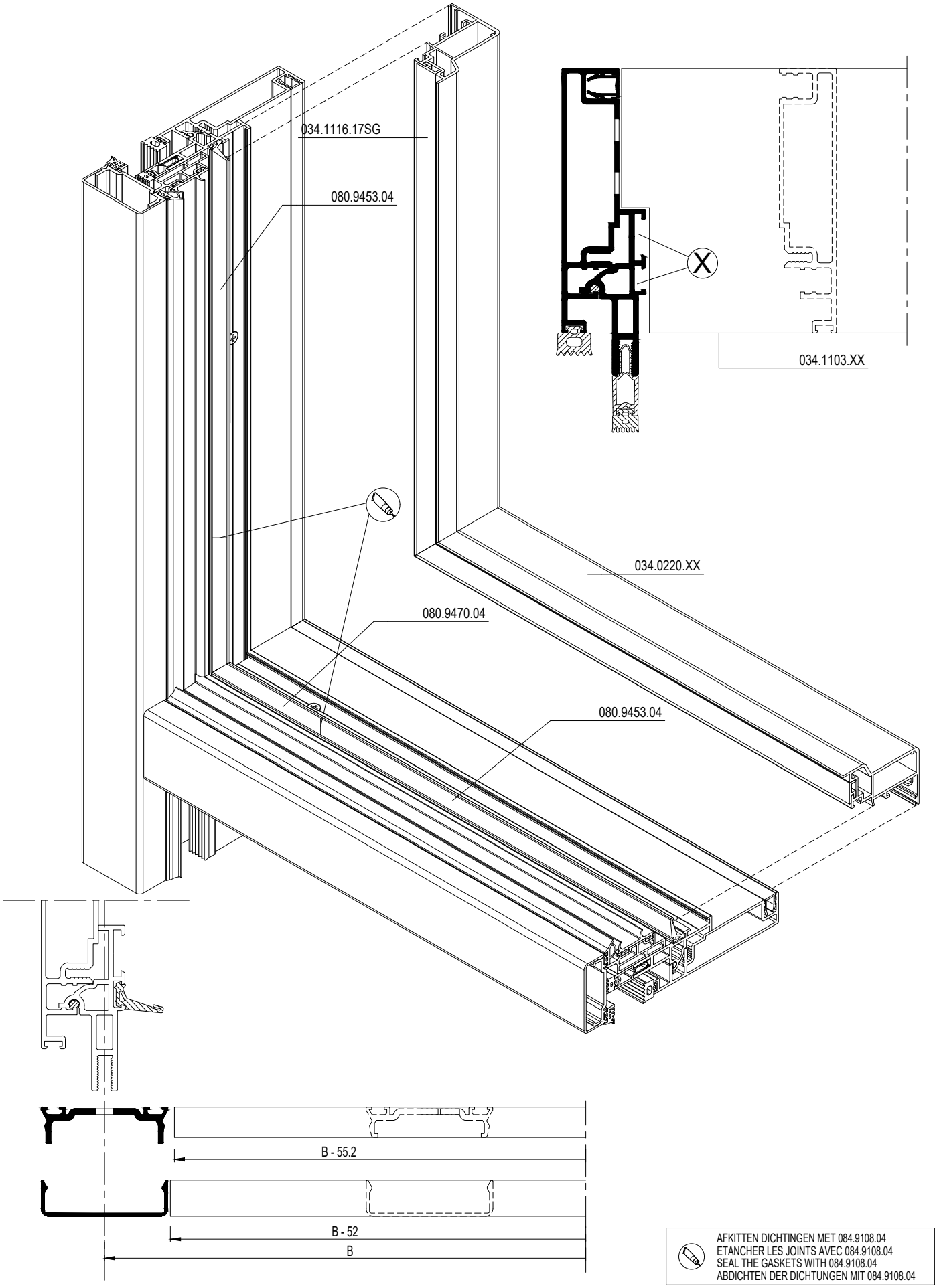
CW 50 034.0220.XX 	YES/NO	FB min. (mm)	FB max. (mm)	FH min. (mm)	FH max. (mm)	FG max.				
SOBINCO INVISION GO SOBINCO INVISION GO PLUS (NO SAFE VERSION)	YES	460	1300	600	2800	90 kg	√	-	-	-
		400	1300	600	2800		-	√	-	-
		550	1800	600	1800		-	-	√	-
		600	1800	420	1200		-	-	-	√
SOBINCO INVISION PRO	NO	-	-	-	-	-	-	-	-	-
SIEGENIA AXXENT PLUS	YES	380	1600	550	2400	130 kg	√	-	-	-
		210	1600	500	2400		-	√	-	-
		450	1600	600	2800	150 kg	√	-	-	-
		535	1200	570	2000	100 kg	-	-	√	-
		400	1200	700	1200	50 kg	-	-	-	√
FAPIM MAGICUBE	NO	-	-	-	-	-	-	-	-	-

! XXXetingen in deze catalogus zijn hardware afhankelijk > zie ook max. afmetingen systeem catalogus
Les dimensions dans ce catalogue dépendent du quincaillerie > voir aussi dimensions max. catalogue de systèmes
Dimensions in this catalogue are hardware dependent > see also max. dimensions system catalogue
Die Maße in diesem Katalog sind Hardware-abhängig > siehe auch max. Maße Systemkatalog

VERBORGEN VLEUGEL SSG
OUVRANT CACHE SSG
HIDDEN VENT SSG
VERDECKTER FLUEGEL SSG



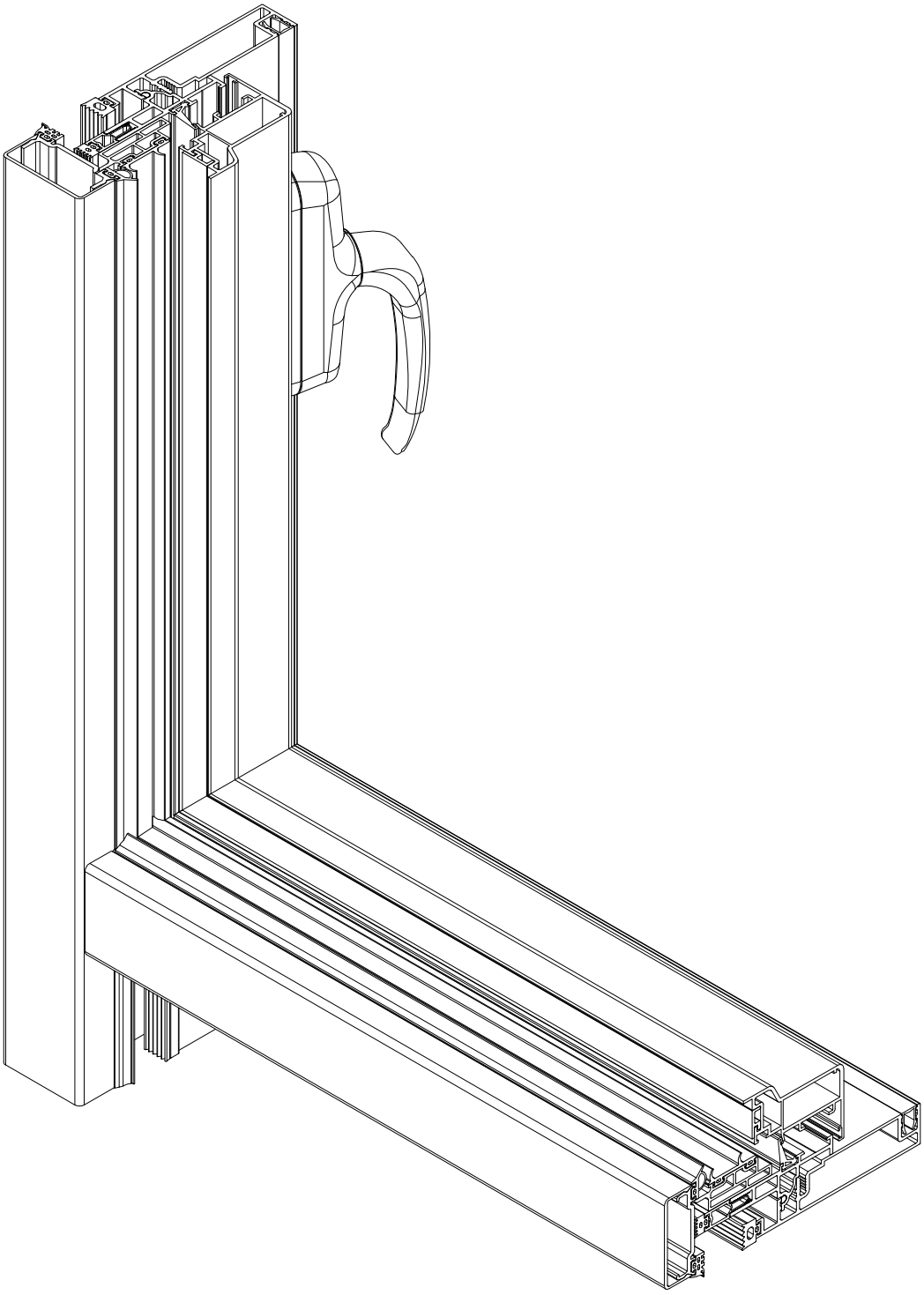
VERBORGEN VLEUGEL SSG
OUVRANT CACHE SSG
HIDDEN VENT SSG
VERDECKTER FLUEGEL SSG



AFKITTEN DICHTINGEN MET 084.9108.04
ETANCHER LES JOINTS AVEC 084.9108.04
SEAL THE GASKETS WITH 084.9108.04
ABDICHTEN DER DICHTUNGEN MIT 084.9108.04

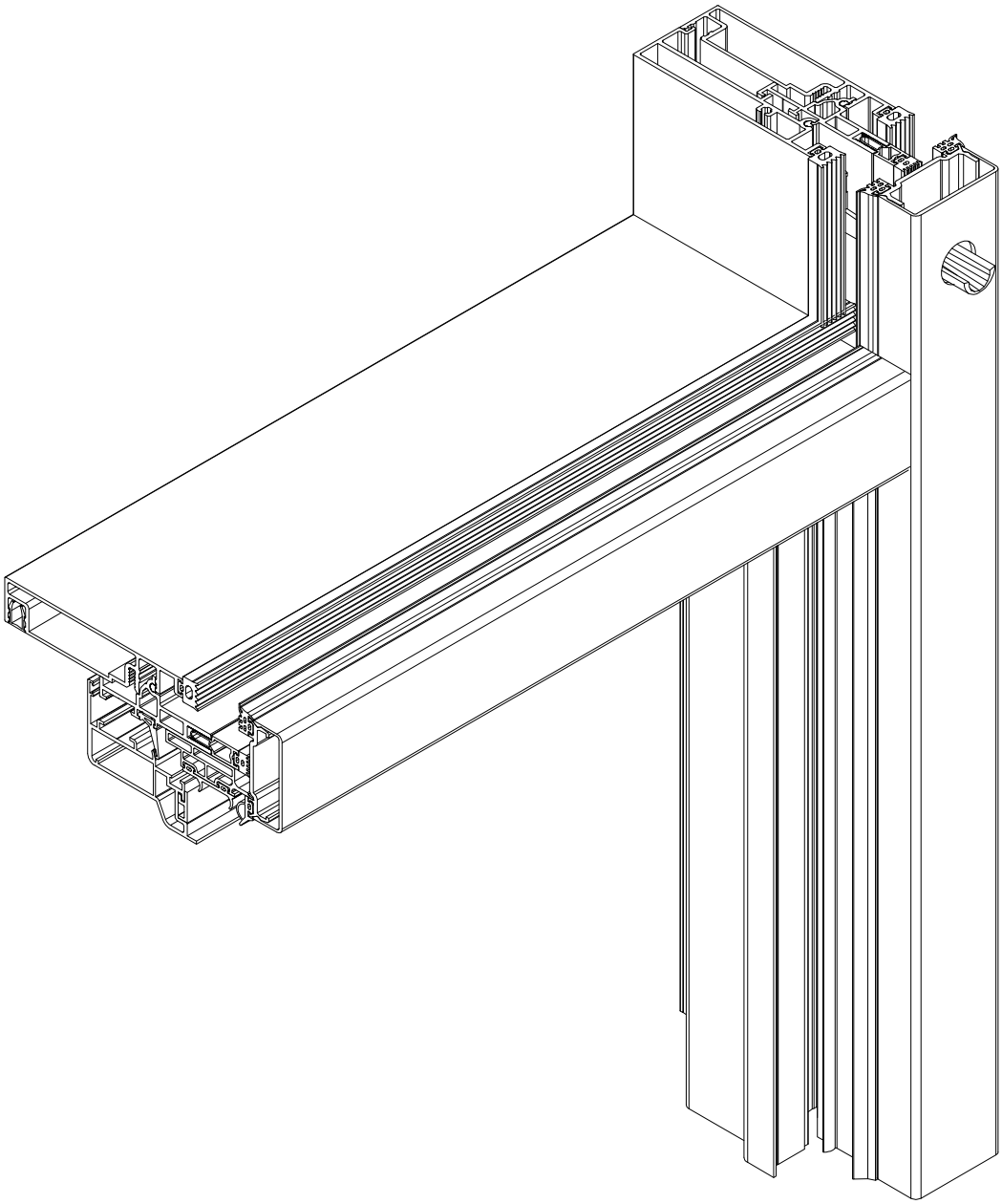
F

VERBORGEN VLEUGEL SSG
OUVRANT CACHE SSG
HIDDEN VENT SSG
VERDECKTER FLUEGEL SSG



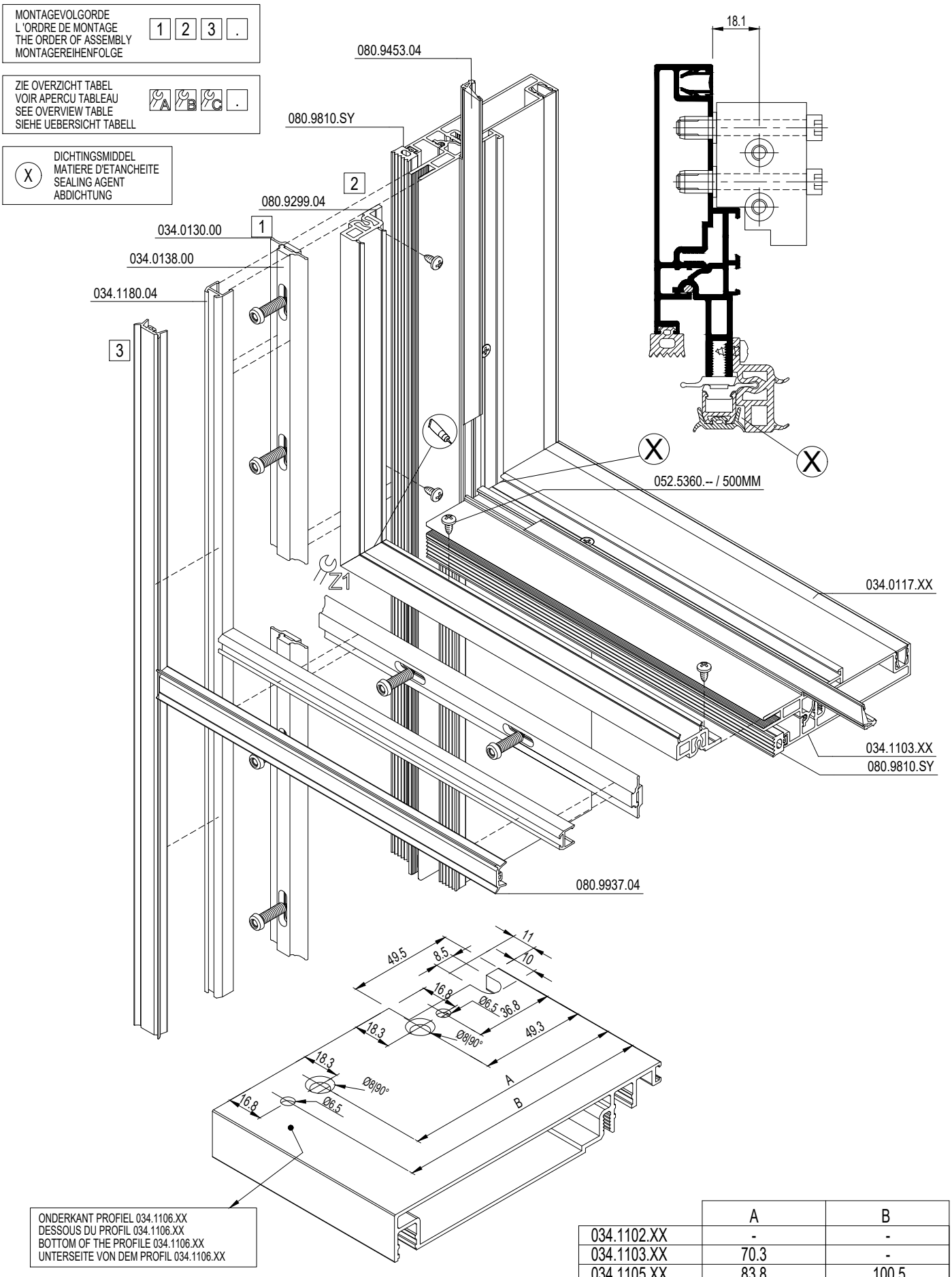
ETAG
002

VERBORGEN VLEUGEL SSG
OUVRANT CACHE SSG
HIDDEN VENT SSG
VERDECKTER FLUEGEL SSG



ETAG
002

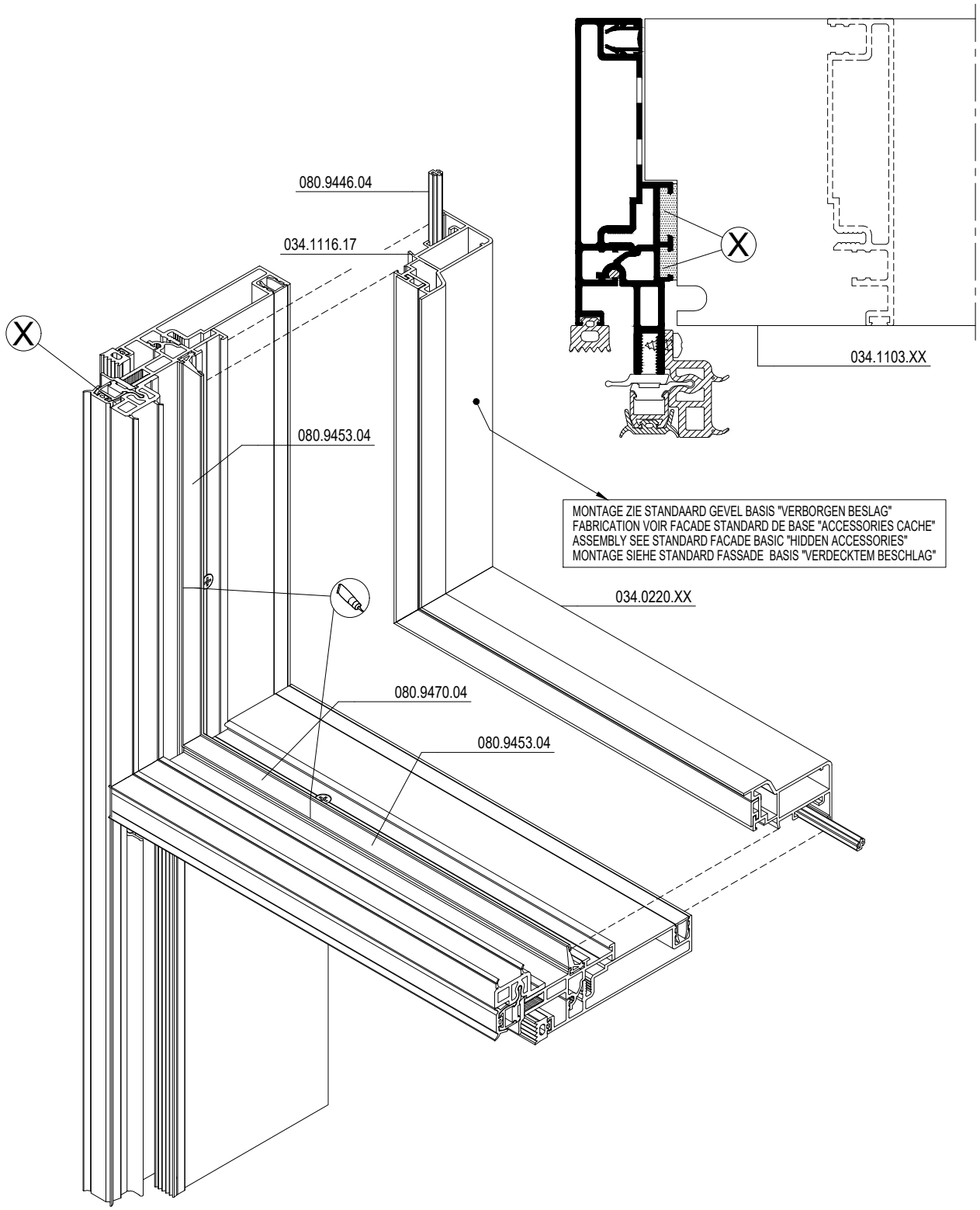
VERBORGEN VLEUGEL SSG - SC
OUVRANT CACHE SSG - SC
HIDDEN VENT SSG - SC
VERDECKTER FLUEGEL SSG - SC



	A	B
034.1102.XX	-	-
034.1103.XX	70.3	-
034.1105.XX	83.8	100.5
034.1106.XX	104.8	121.5

F

VERBORGEN VLEUGEL SSG - SC
OUVRANT CACHE SSG - SC
HIDDEN VENT SSG - SC
VERDECKTER FLUEGEL SSG - SC

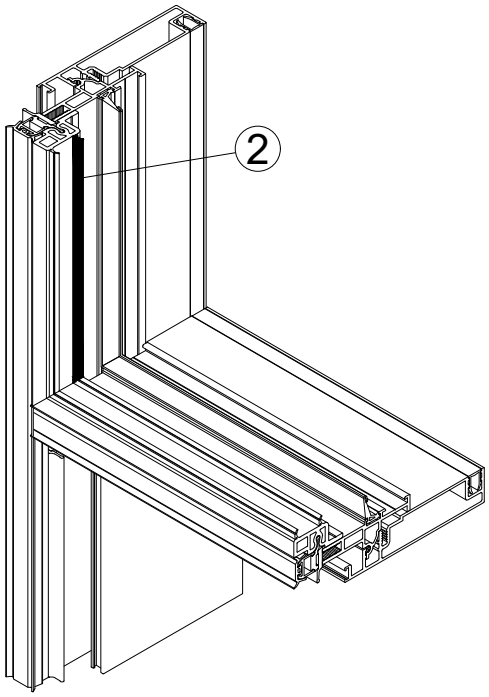


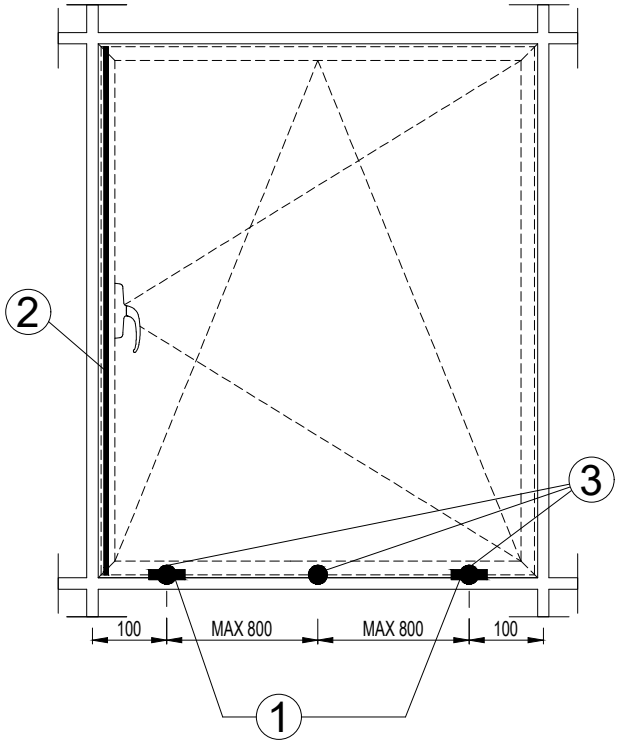
AFKITTEN DICHTINGEN MET 084.9108.04
ETANCHER LES JOINTS AVEC 084.9108.04
SEAL THE GASKETS WITH 084.9108.04
ABDICHTEN DER DICHTUNGEN MIT 084.9108.04

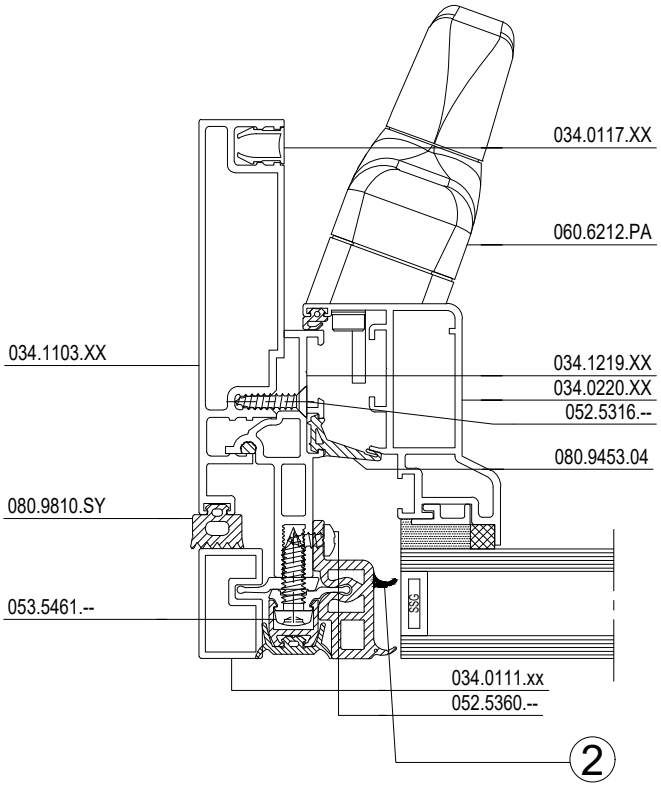
ETAG
002

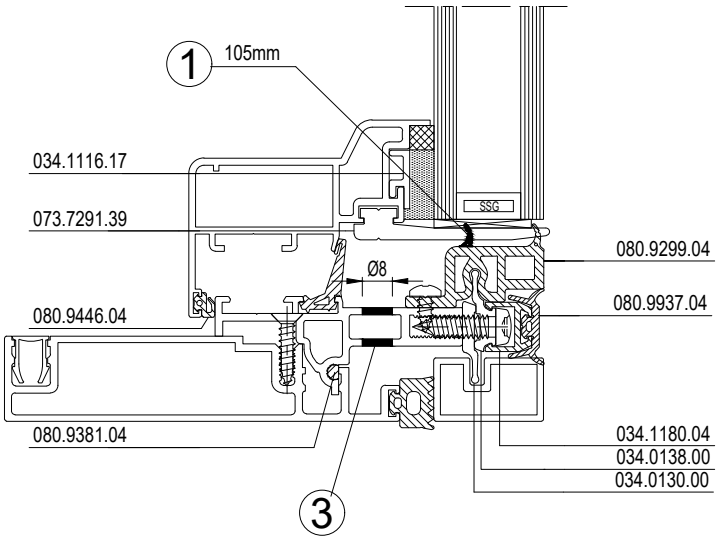
F

VERBORGEN VLEUGEL SSG - SC
OUVRANT CACHE SSG - SC
HIDDEN VENT SSG - SC
VERDECKTER FLUEGEL SSG - SC



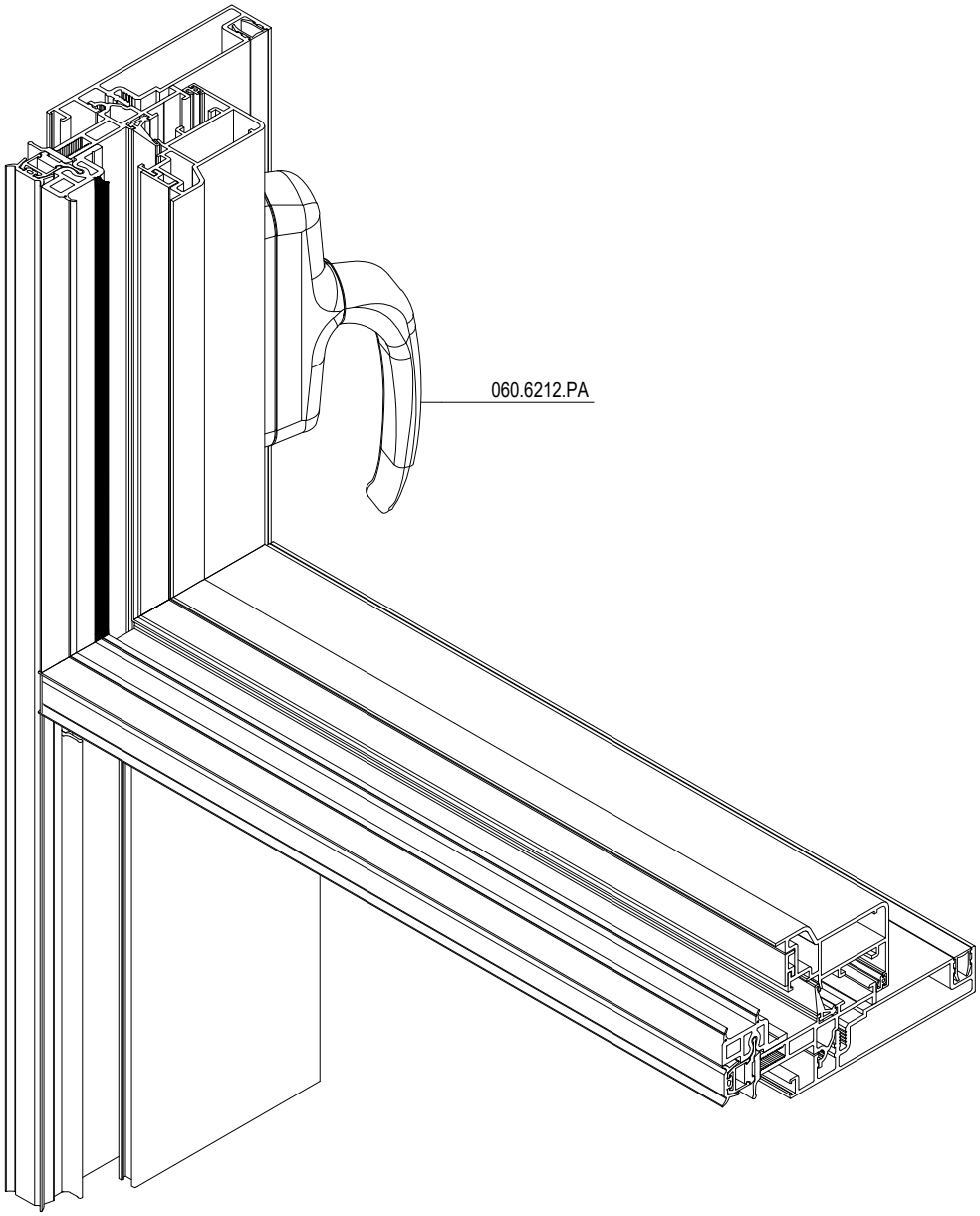






ETAG
002

VERBORGEN VLEUGEL SSG - SC
OUVRANT CACHE SSG - SC
HIDDEN VENT SSG - SC
VERDECKTER FLUEGEL SSG - SC



ETAG
002

DAKRAAM:GEREEDSCHAPPEN EN MACHINES OVERZICHT
TABATIERE: OUTILLAGE ET MACHINES APERCU
ATTIC WINDOW: TOOLS AND MACHINERY OVERVIEW
DACHFENSTER: WERKZEUGE UND MASCHINEN UEBERSICHT

BA

097.0809.00

BB

097.0810.00

BC

097.0811.00

BD

097.0812.00

BE

097.0813.00

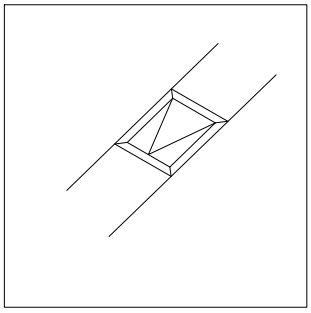
BF

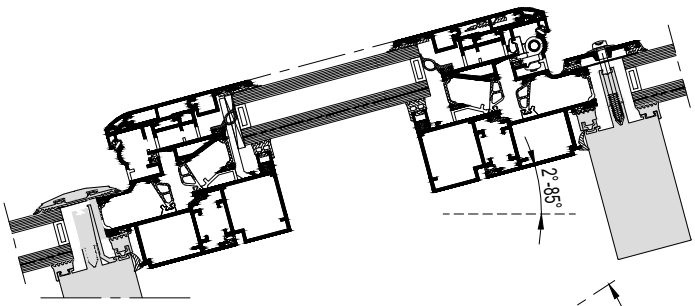
097.G297.00

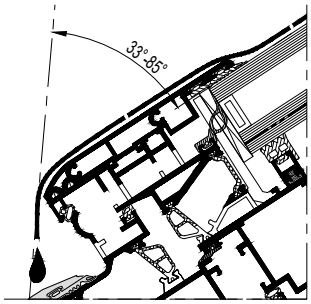
F

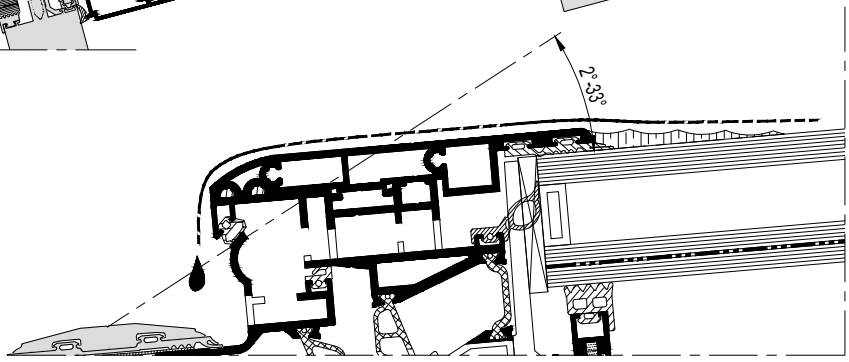
schaal - échelle
scale - Maßstab
1/2

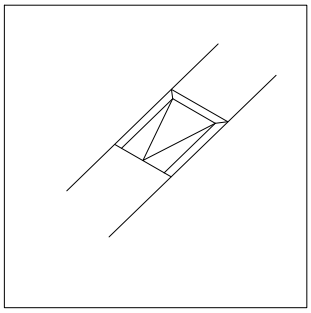
DAKRAAM:OVERZICHT CONFIGURATIES
TABATIERE: APERCU CONFIGURATIONS LV
ATTIC WINDOW: OVERVIEW CONFIGURATIONS LV
DACHFENSTER: UEBERSICHT KONFIGURATIONEN LV

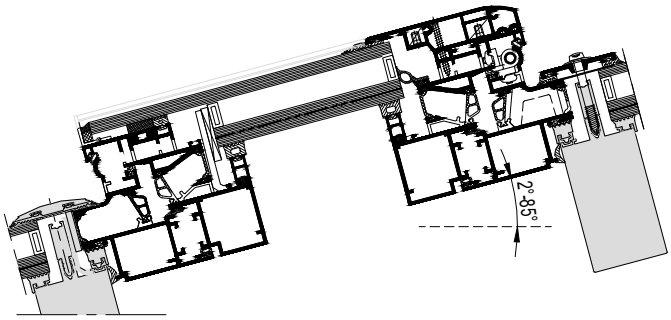


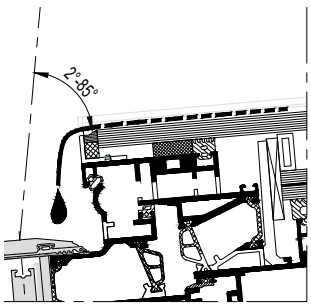


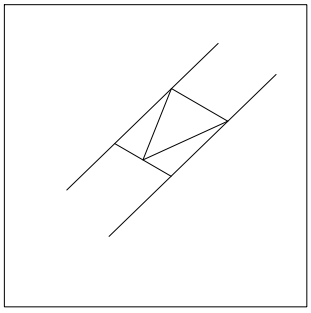


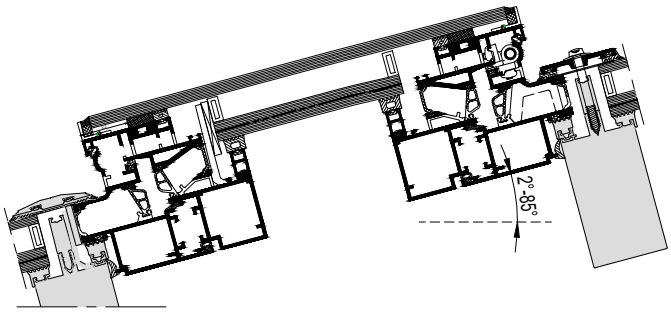


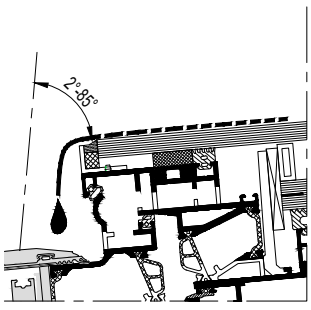












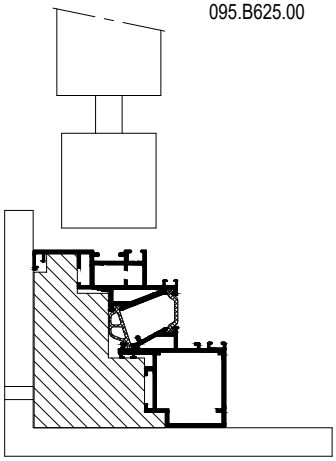
F

ETAG
002

schaal - échelle
scale - Maßstab
1/2

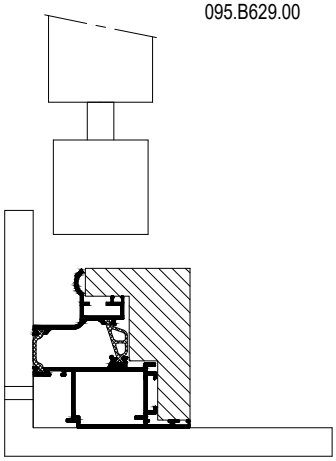
095.D440.00 + 095.B625.00

095.B625.00



095.D440.00 + 095.B629.00

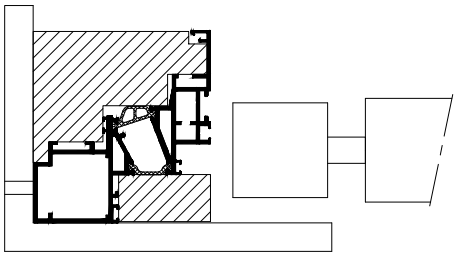
095.B629.00



095.B625.00 + 095.B626.00

SBZ 130

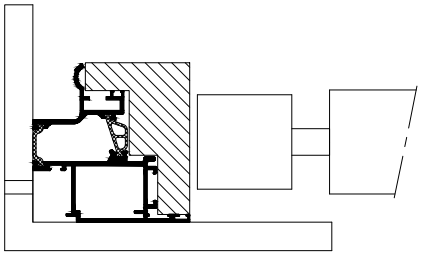
095.B625.00
095.B626.00

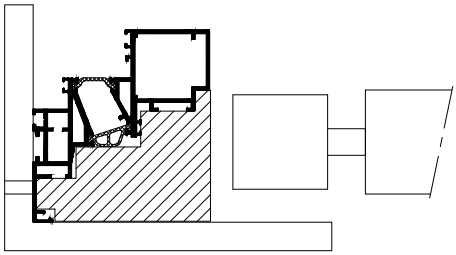


095.B629.00

SBZ 130

095.B629.00





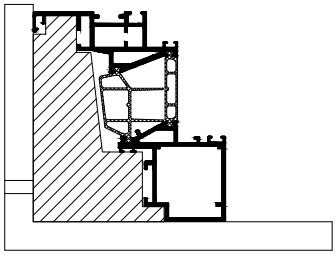
F

BIJKOMENDE INFO VOORBEREIDING/VERWERKING -> RAADPLEEG HOOFDSTUK B !
INFO COMPLEMENTAIRE PREPARATION/USINAGE -> CONSULTEZ CHAPITRE B !
ADDITIONAL INFO PREPARATION/PROCESSING -> CONSULT CHAPTER B !
ZUSAETZLICHE INFO VORBEREITUNG/VERARBEITUNG -> SIEHE KAPITEL B !

schaal - échelle
scale - Maßstab
1/2

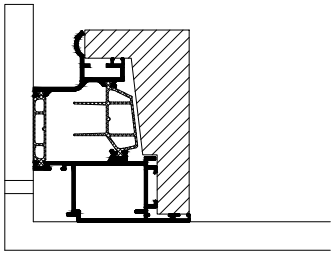
095.D440.00 + 095.B627.00

095.B627.00



095.D440.00 + 095.B637.00

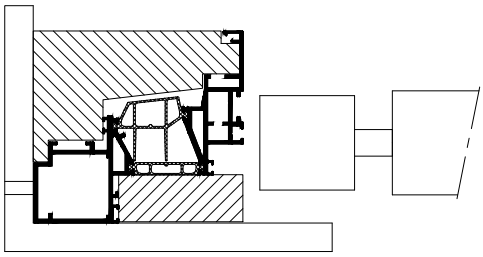
095.B637.00



095.B625.00 + 095.B626.00

SBZ 130

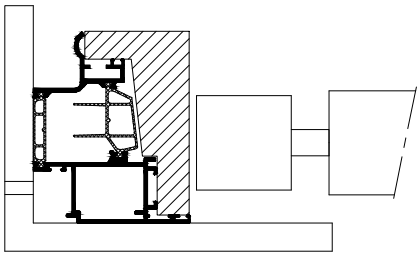
095.B627.00
095.B628.00

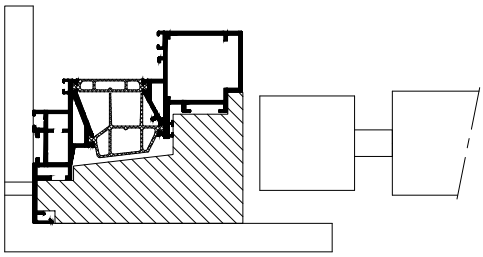


095.B629.00

SBZ 130

095.B637.00





F

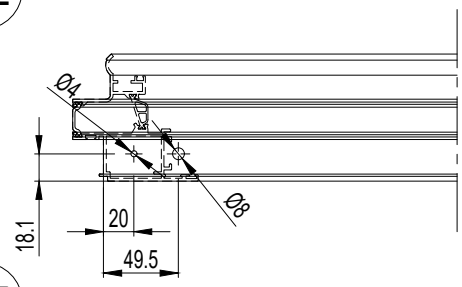
schaal - échelle
scale - Maßstab
1/2

DAKRAAM: SCHROEFHOEK BUITENKADER
TABATIERE: EQUERRES A VISSER DORMANT
ATTIC WINDOW: SCREW CORNER CLEAT OUTER FRAME
DACHFENSTER: SCHRAUBECKWINKEL BLENDRAHMEN

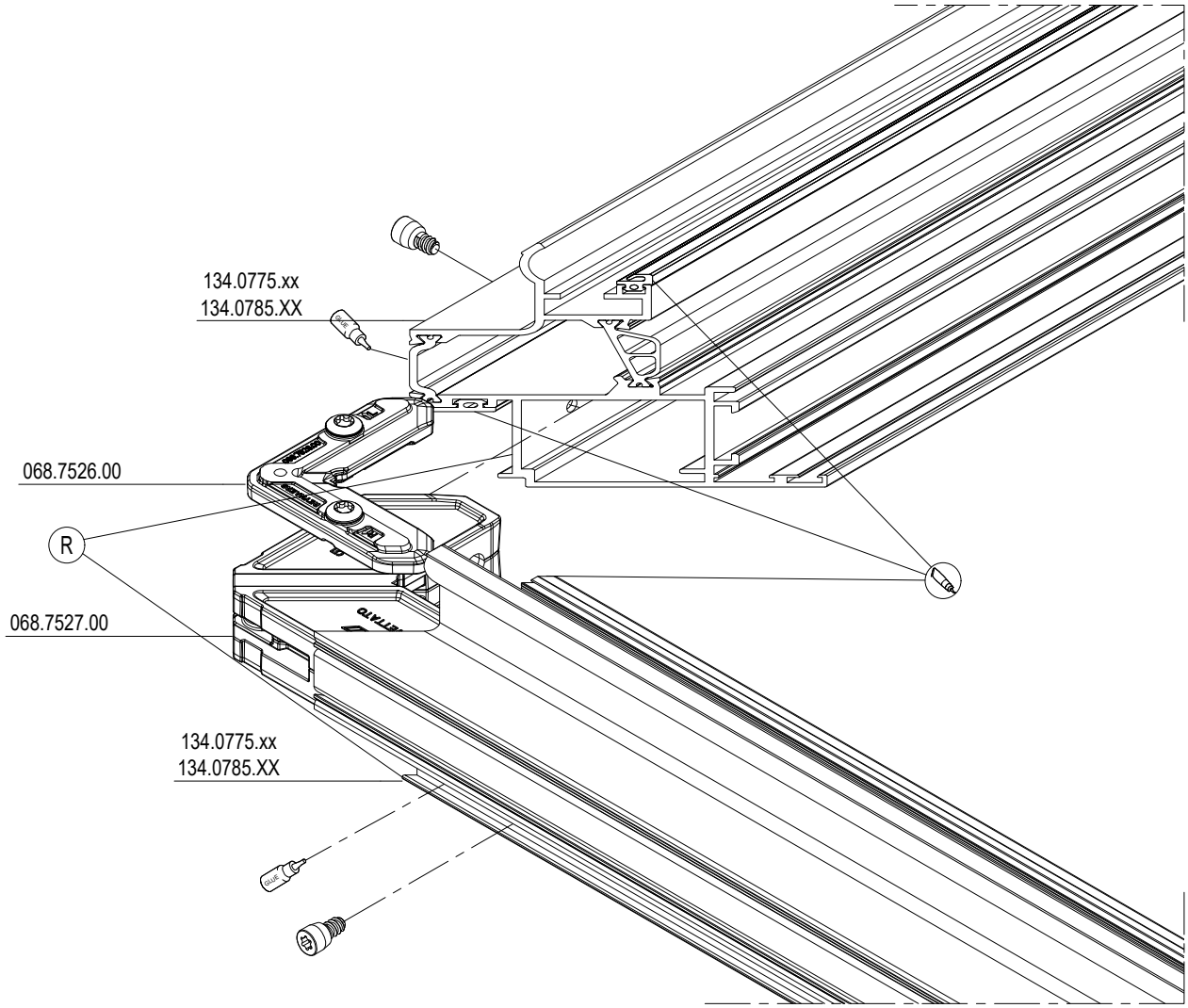
Reynaers Aluminium

BOORMAL
CALIBRE DE PERÇAGE
BORING JIG
BOHRLEHRE
097.0813.00

BE



BE



AFKITTEN DICHTINGEN MET 084.9108.04
ETANCHER LES JOINTS AVEC 084.9108.04
SEAL THE GASKETS WITH 084.9108.04
ABDICHTEN DER DICHTUNGEN MIT 084.9108.04

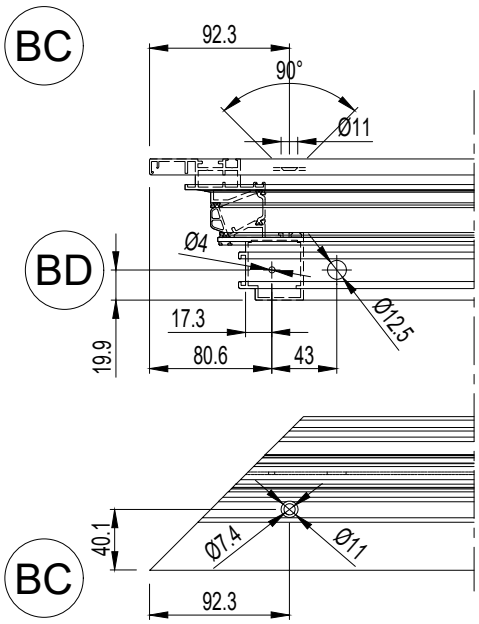
R REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR

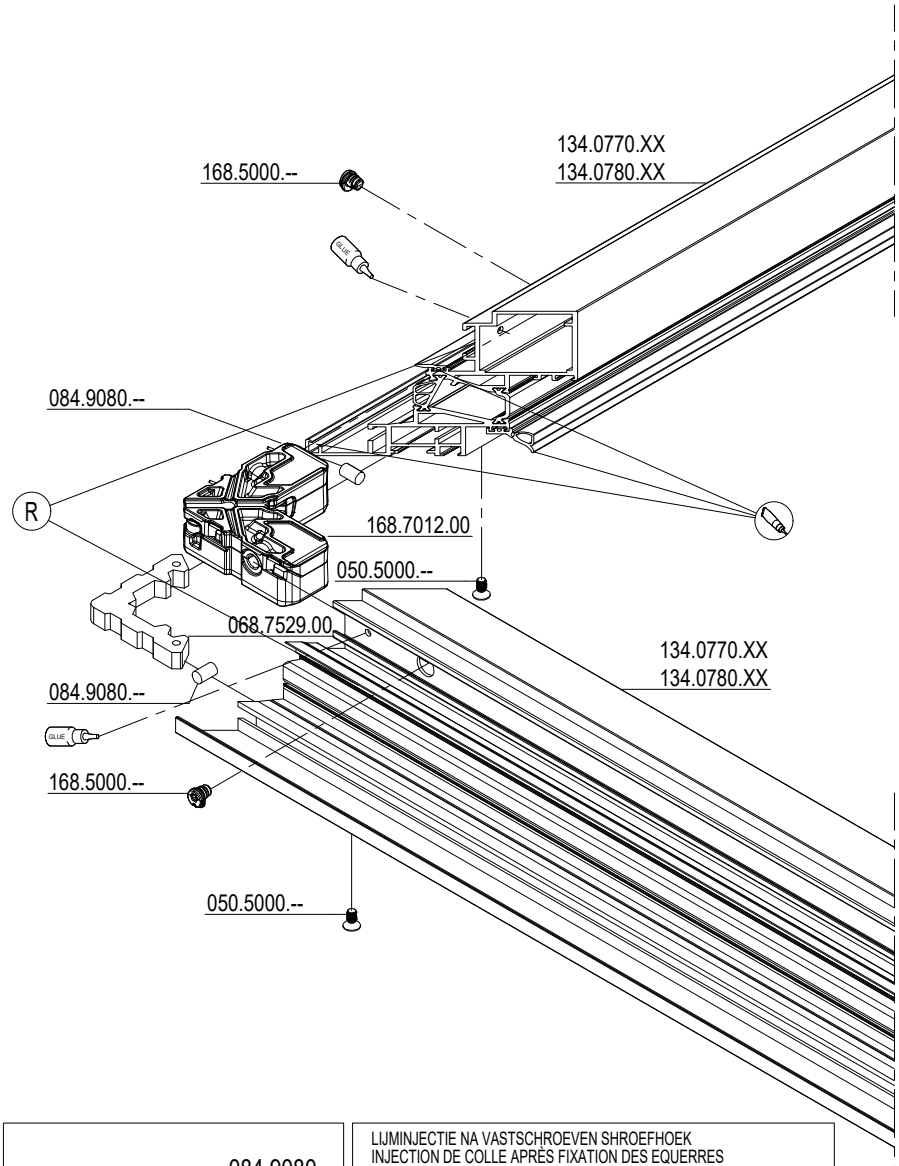
084.9080.--

LIJMINJECTIE NA VASTSCHROEVEN SHROEFHOEK
INJECTION DE COLLE APRÈS FIXATION DES EQUERRES
GLUE INJECTION AFTER FIXING THE SCREW CORNER
KLEBEINJEKTION NACH VERSCHRAUBUNG DES SCHRAUBWINKELS

F

BOORMAL CALIBRE DE PERÇAGE BORING JIG BOHRLEHRE	097.0812.00	BD
BOORMAL CALIBRE DE PERÇAGE BORING JIG BOHRLEHRE	097.0811.00	BC





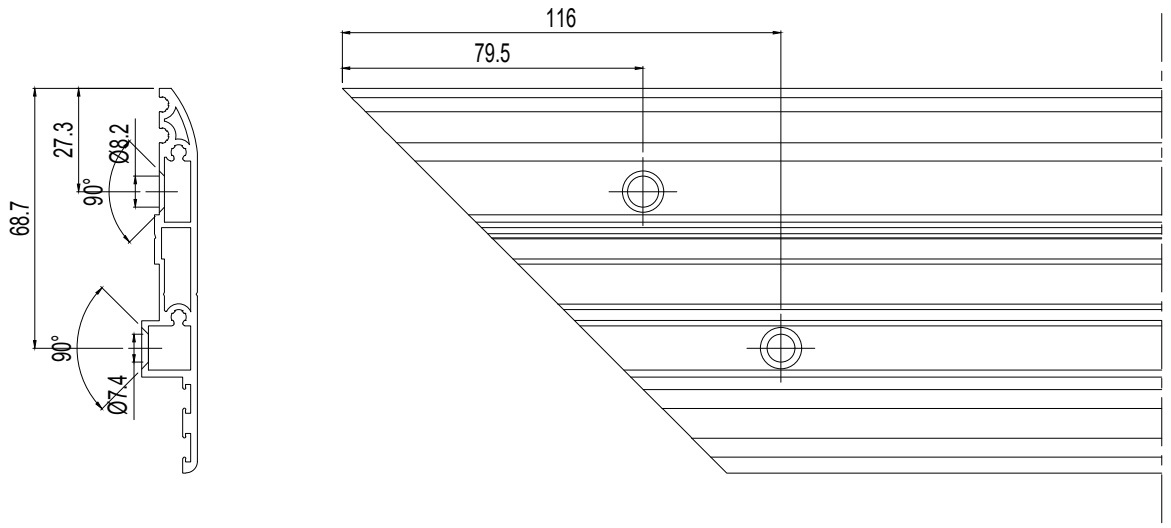
AFKITTEN DICHTINGEN MET 084.9108.04
ETANCHER LES JOINTS AVEC 084.9108.04
SEAL THE GASKETS WITH 084.9108.04
ABDICHTEN DER DICHTUNGEN MIT 084.9108.04

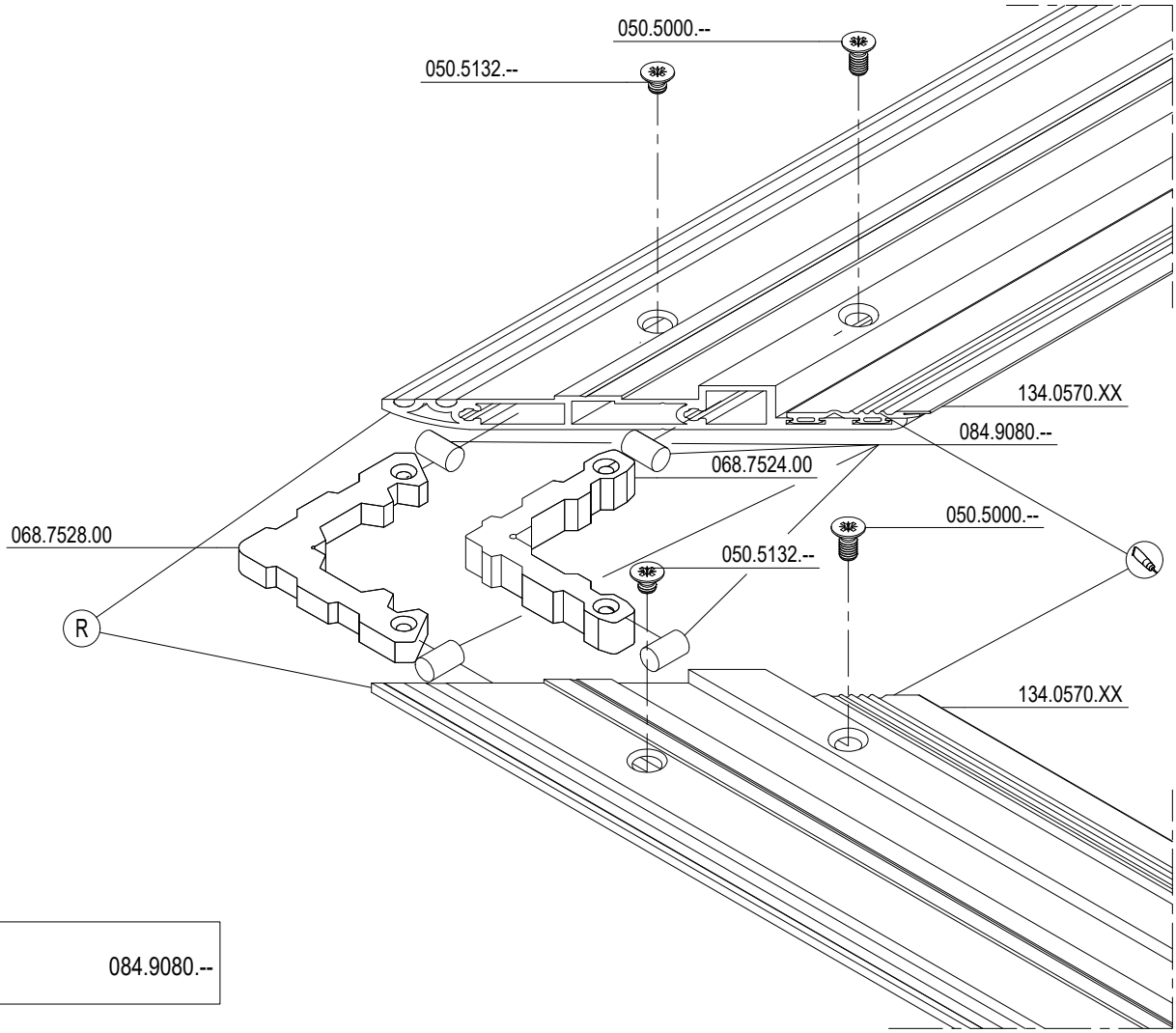
R REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR

084.9080.--	LIJMINJECTIE NA VASTSCHROEVEN SHROEFHOEK INJECTION DE COLLE APRÈS FIXATION DES EQUERRES GLUE INJECTION AFTER FIXING THE SCREW CORNER KLEBEINJEKTION NACH VERSCHRAUBUNG DES SCHRAUBWINKELS

F

DAKRAAM: SCHROEFHOEK GLASLAT
TABATIERE: EQUERRES A VISSER PARCLOSE
ATTIC WINDOW: SCREW CORNER CLEAT GLAZING BEAD
DACHFENSTER: SCHRAUBECKWINKEL GLASLEISTE

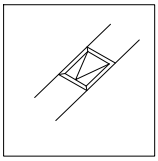




084.9080.--

AFKITTEN DICHTINGEN MET 084.9108.04
ETANCHER LES JOINTS AVEC 084.9108.04
SEAL THE GASKETS WITH 084.9108.04
ABDICHTEN DER DICHTUNGEN MIT 084.9108.04

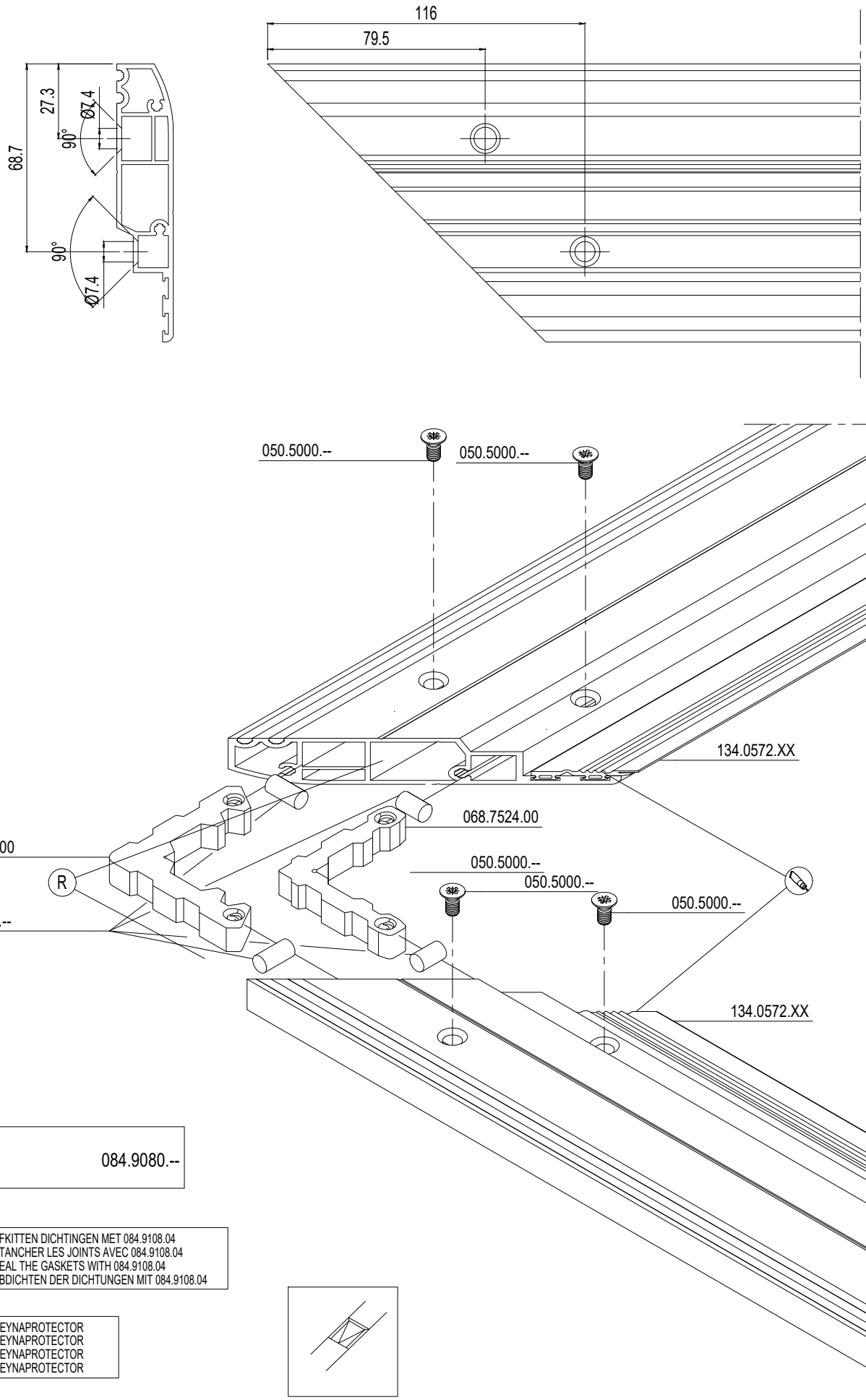
R REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR



F

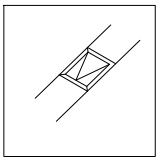
DAKRAAM: SCHROEFHOEK GLASLAT SGS/GB
TABATIERE: EQUERRES A VISSER PARCLOSE SGS/GB
ATTIC WINDOW: SCREW CORNER CLEAT GLAZING BEAD SGS/GB
DACHFENSTER: SCHRAUBECKWINKEL GLASLEISTE SGS/GB

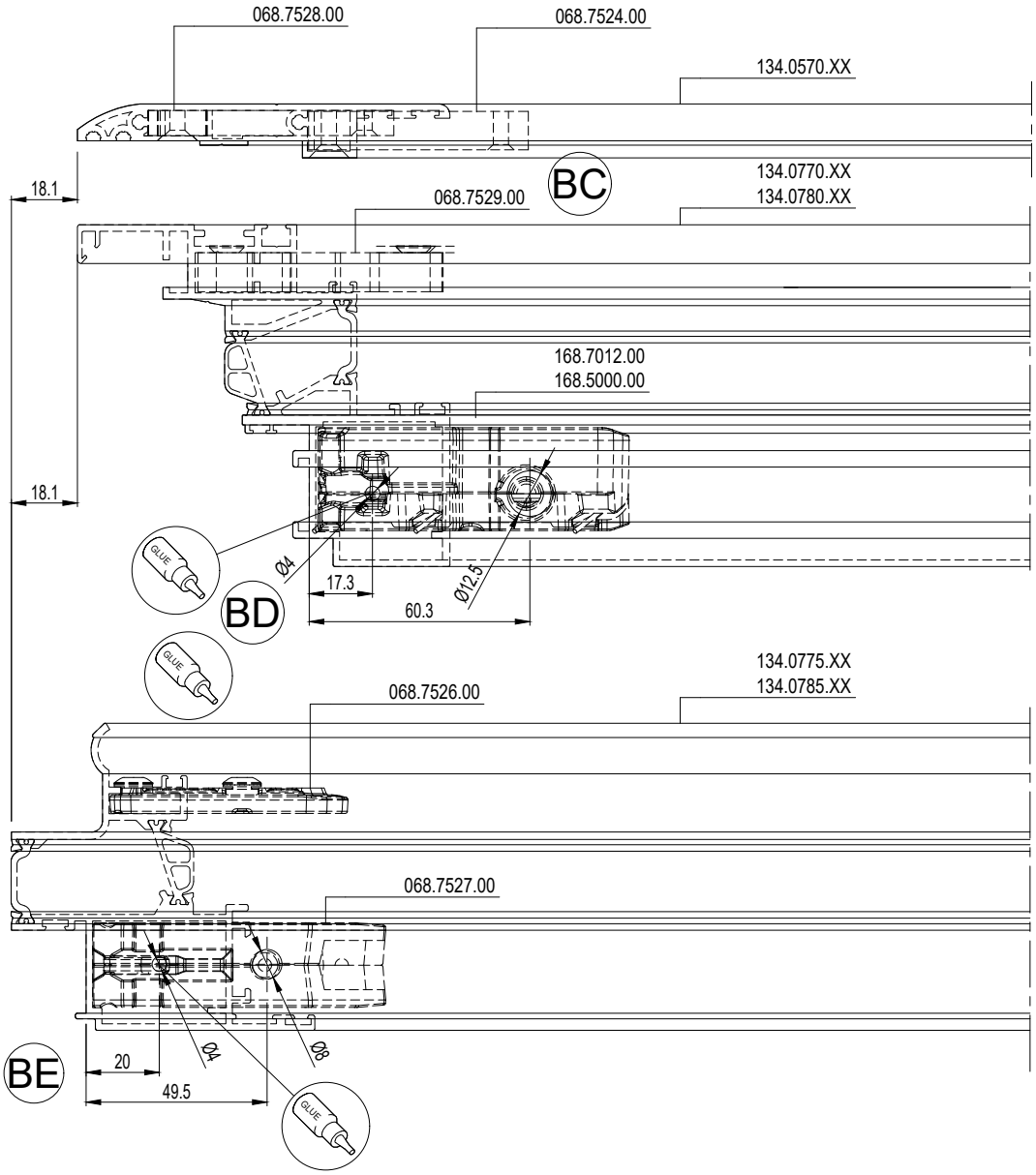
Reynaers Aluminium



F

DAKRAAM: MONTAGE GB
TABATIERE: ASSEMBLAGE GB
ATTIC WINDOW: ASSEMBLY GB
DACHFENSTER: MONTAGE GB

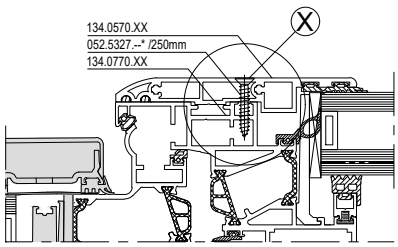


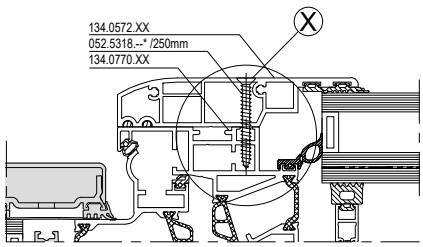


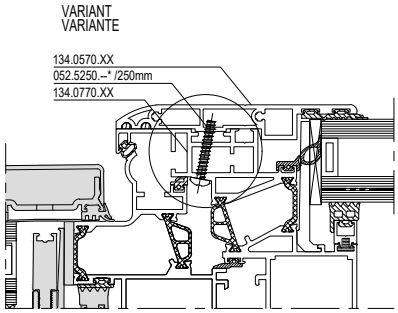
LIJMINJECTIE NA PERSEN
INJECTION DE COLLE APRES LE SERTISSAGE
GLUE INJECTION AFTER CRIMPING
KLEBEINJEKTION NACH DEM PRESSEN

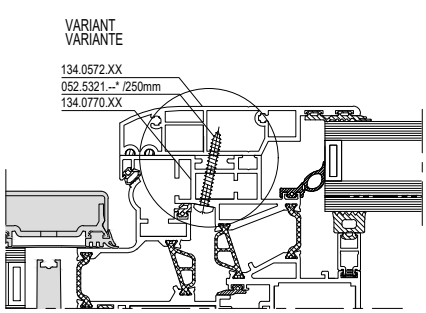
084.9080.--	
097.0811.00	BC
097.0812.00	BD
097.0813.00	BE

X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG



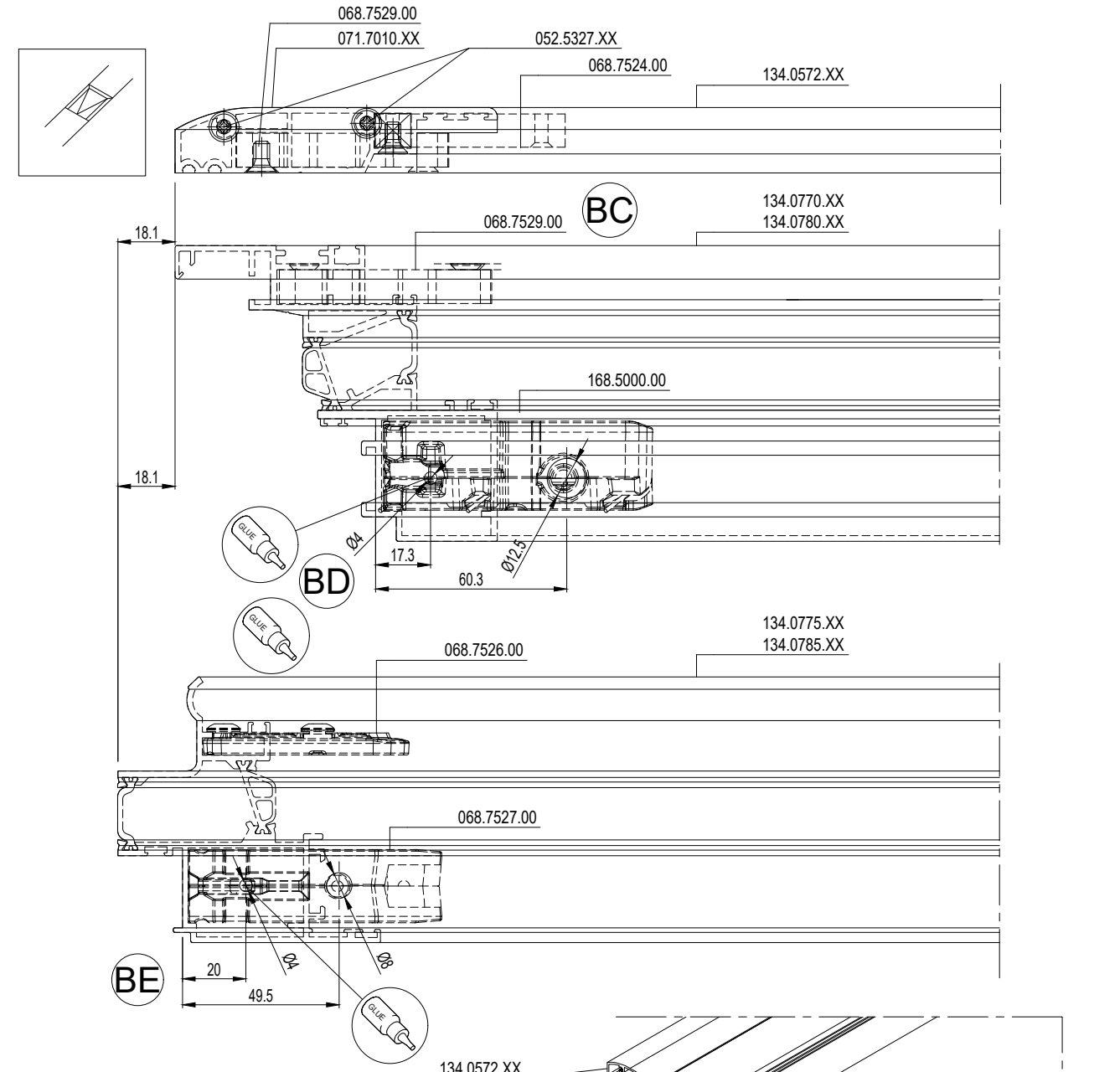






F

DAKRAAM: MONTAGE SGS/GB
TABATIERE: ASSEMBLAGE SGS/GB
ATTIC WINDOW: ASSEMBLY SGS/GB
DACHFENSTER: MONTAGE SGS/GB



LIJMINJECTIE NA PERSEN
INJECTION DE COLLE APRES LE SERTISSAGE
GLUE INJECTION AFTER CRIMPING
KLEBEINJEKTION NACH DEM PRESSEN

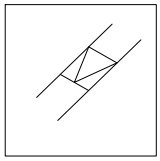
084.9080.--	
097.0811.00	BC
097.0812.00	BD
097.0813.00	BE

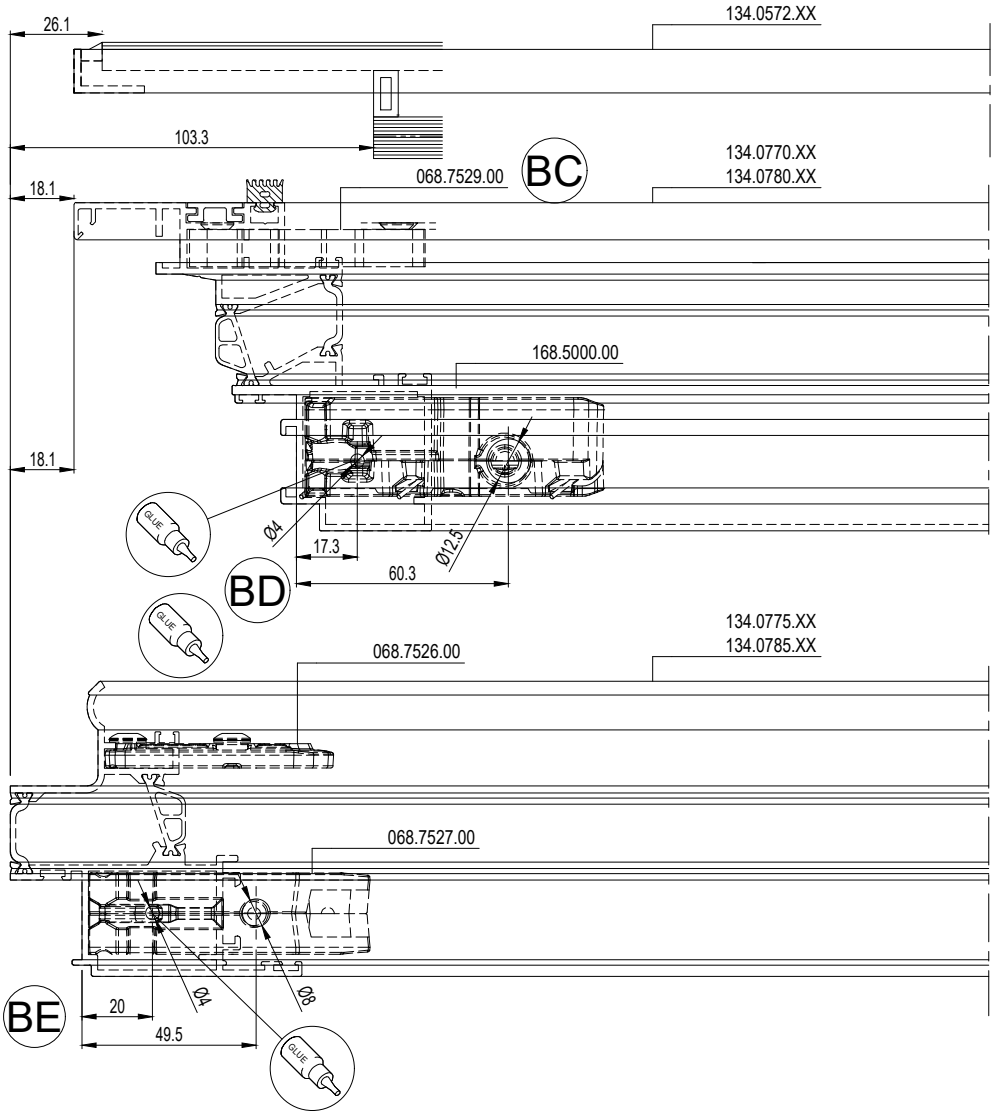
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

ETAG 002

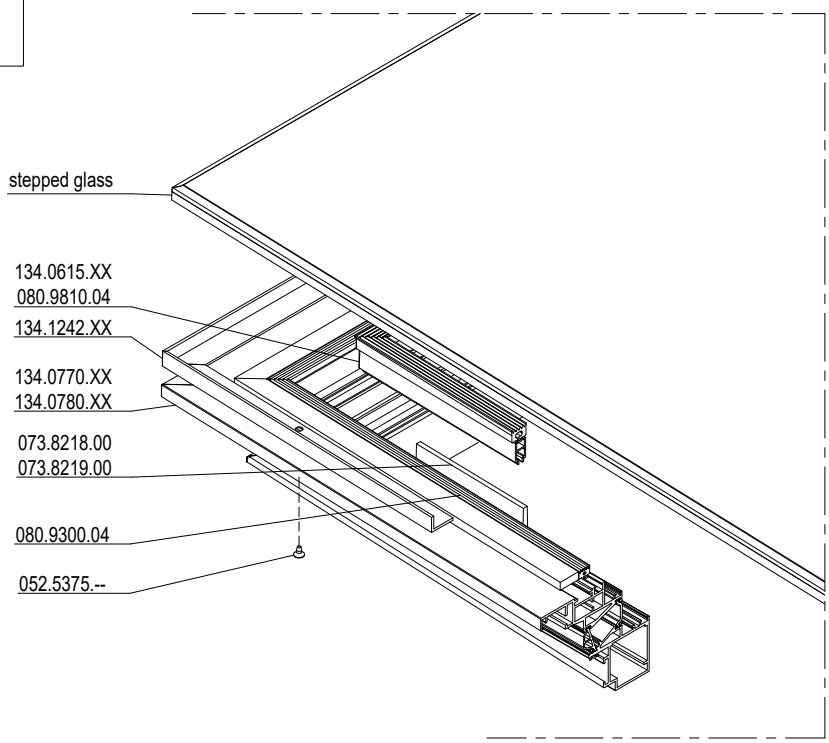
F

DAKRAAM: MONTAGE SGS
TABATIERE: ASSEMBLAGE SGS
ATTIC WINDOW: ASSEMBLY SGS
DACHFENSTER: MONTAGE SGS



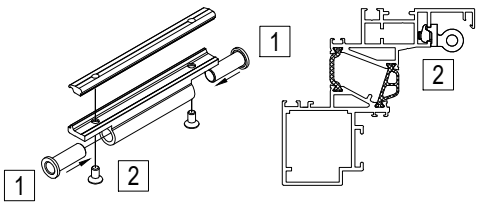


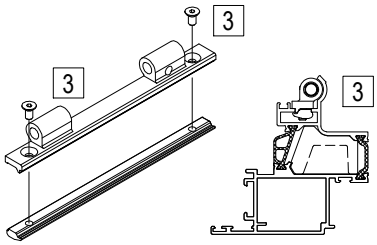
LIJMINJECTIE NA PERSEN
INJECTION DE COLLE APRES LE SERTISSAGE
GLUE INJECTION AFTER CRIMPING
KLEBEINJEKTION NACH DEM PRESSEN



084.9080.--		
097.0811.00	BC	
097.0812.00	BD	
097.0813.00	BE	

F

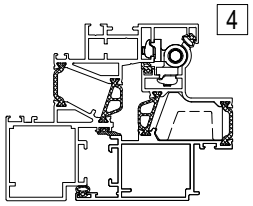




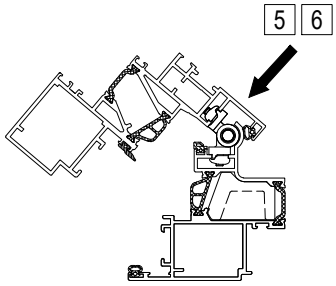
1.subassembleer scharnierdeel van de vleugel
Assemblez la partie de la charniere d' ouvrant
SubassemblyThe hinge part of the sash
Zusammenbau des Scharnierteil des Flügels

2.bevestig scharnierdeel van de vleugel (fix)
Montez lapartie de la charniére d'ouvrant (serré)
Fix the hinge part to the sash (fixed)
Montieren sie das Scharnierteil zum Flügel

3.bevestig scharnierdeel van het frame (niet fix)
Montez la partie de la charniére d'ouvrant (non serré)
Fix the hinge part to the sash (not fixed)
Montieren sie das Scharnierteil zum Flügel



4-5.plaats de vleugel op het frame en corrigeer sharnierdeel van het frame.
Placez le Vantail sur le cadre et corrigez la charnière du cadre
Place the sash on the frame and adjust the the poition of the hinge part of the frame
Setzen Sie den Flügel auf den Rahmen und korrigieren Sie den Scharnierteil des Rahmens.

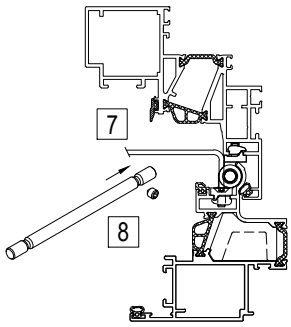


6. Open het raam tot 90° met lichte druk op de vleugel

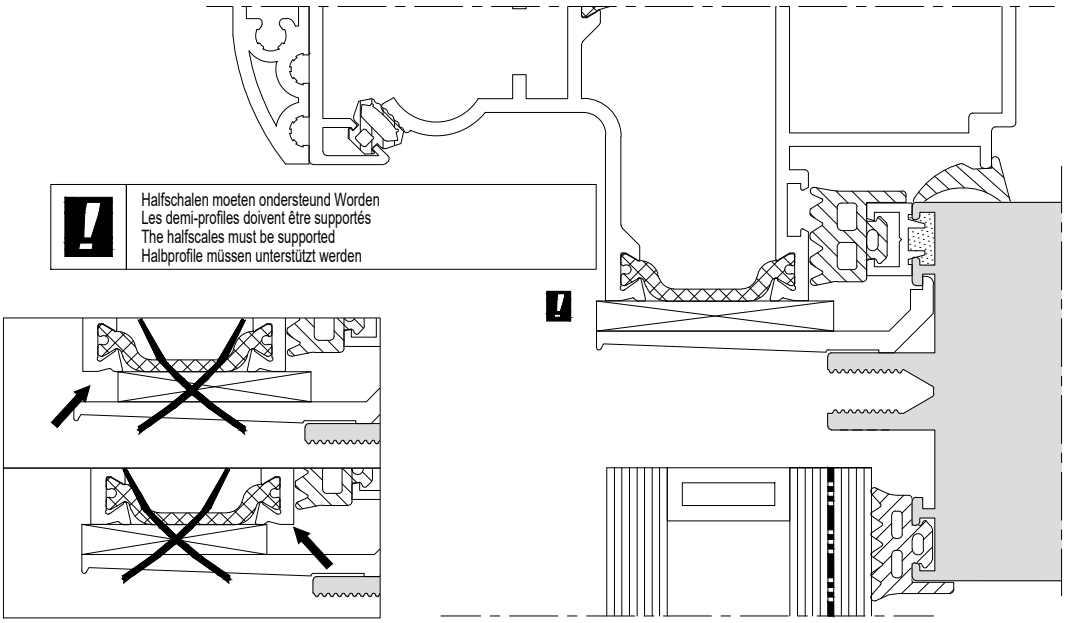
Ouvrez la fenêtre à 90 ° avec une légère pression sur le ventail

Open the window up to 90 ° with light pressure on the wing

Öffnen Sie das Fenster bis zu 90 ° mit leichtem Druck auf den Flügel

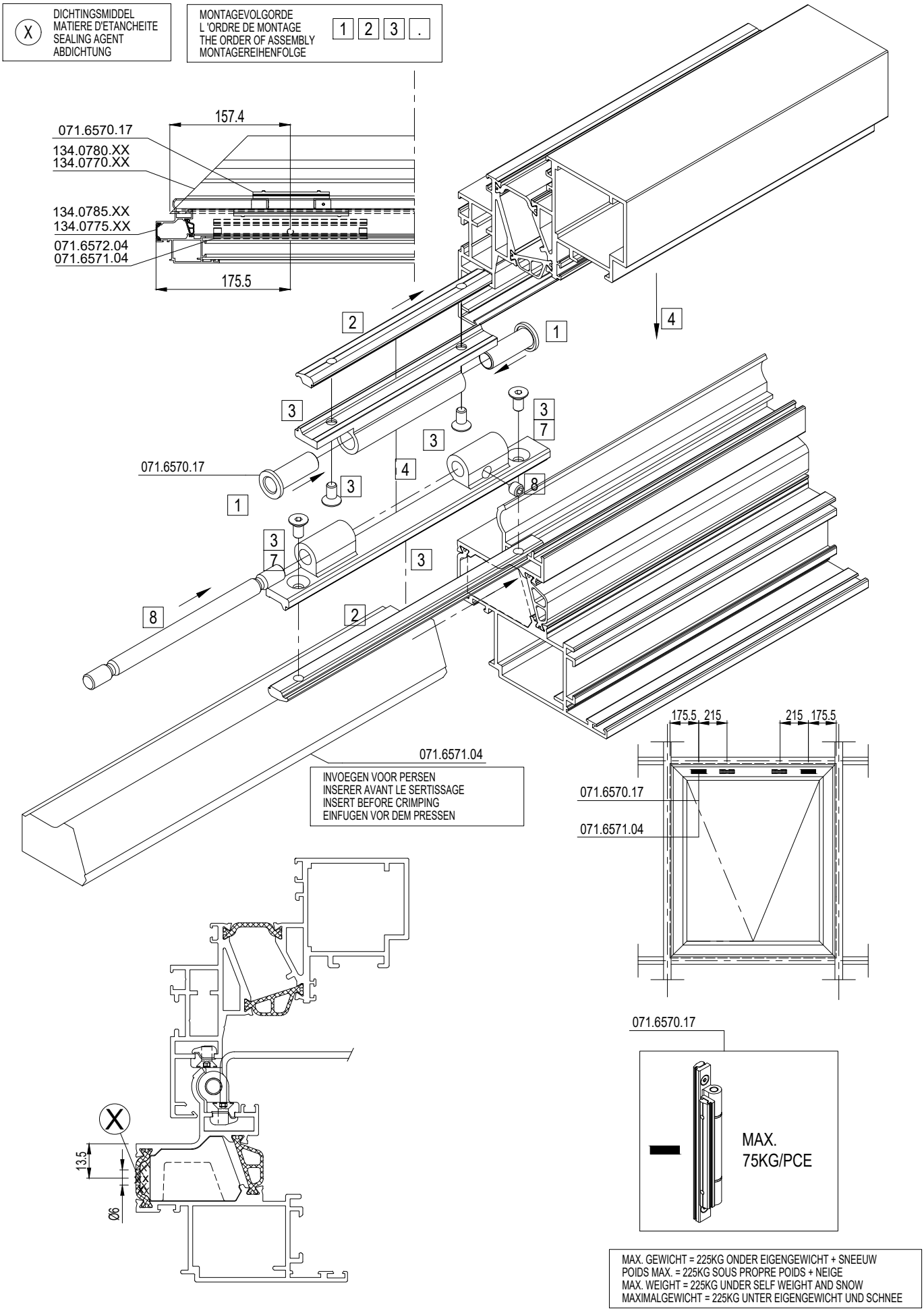


7-8.Fixeer scharnierdeel van het frame en insereer de as
Fixez la charnière du cadre et insérez l'essieu
Fix the hinge part of the frame and insert the axle
Befestigen Sie das Scharnierteil des Rahmens und setzen Sie die Achse ein



F

DAKRAAM: MONTAGE SCHARNIER
TABATIERE: ASSEMBLAGE CHARNIER
ATTIC WINDOW: ASSEMBLY HINGE
DACHFENSTER: MONTAGE BAENDER

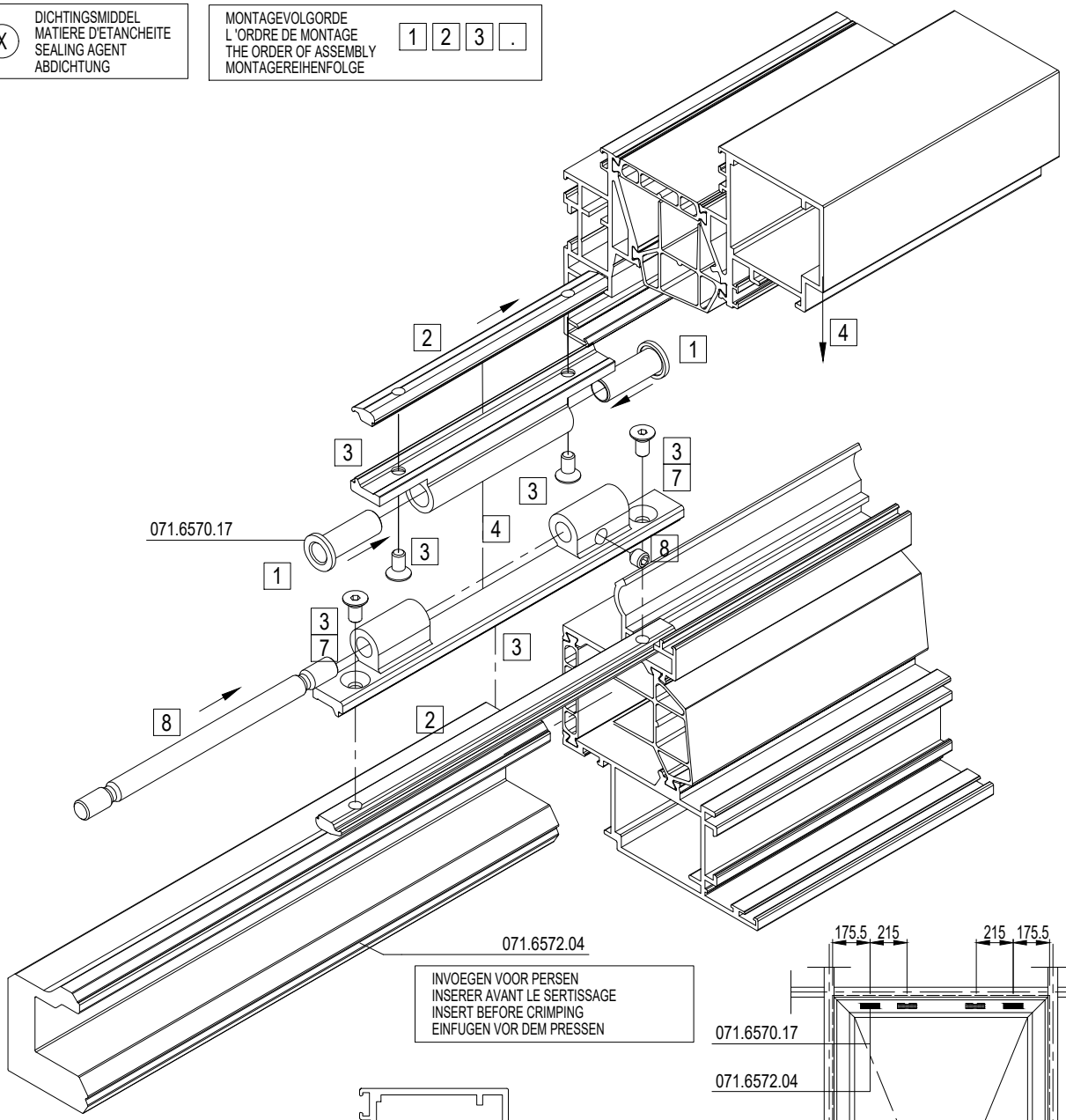


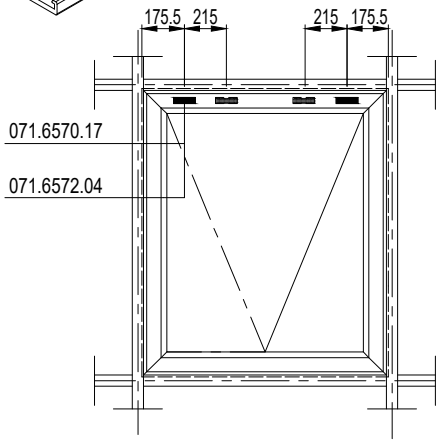
F

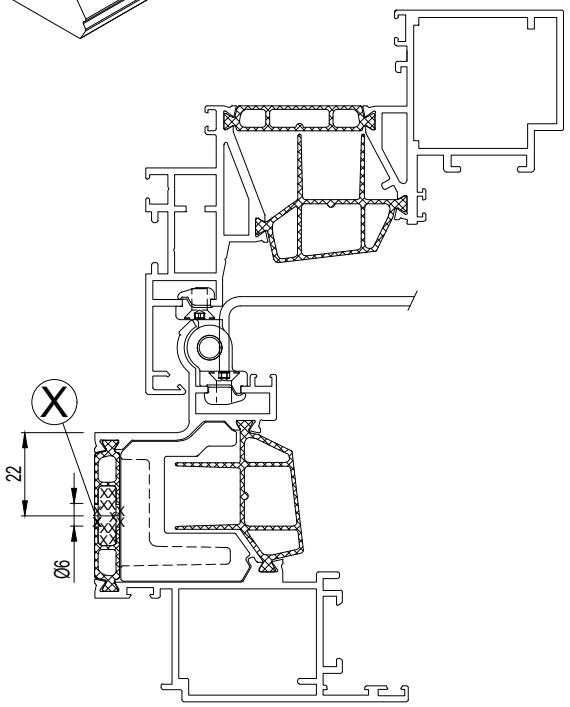
DAKRAAM: MONTAGE SCHARNIER HI
TABATIERE: ASSEMBLAGE CHARNIER HI
ATTIC WINDOW: ASSEMBLY HINGE HI
DACHFENSTER: MONTAGE BAENDER HI

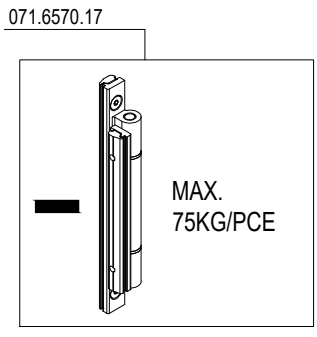
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .





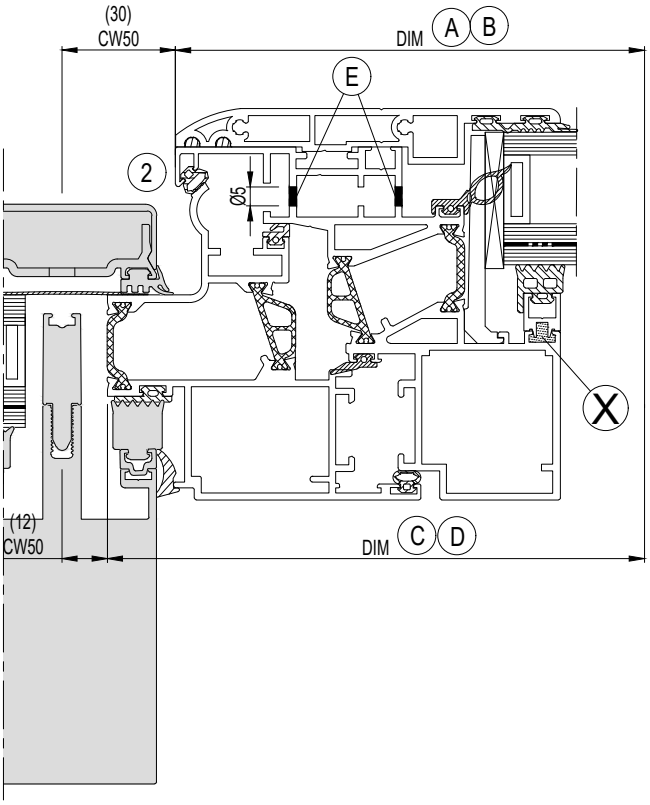


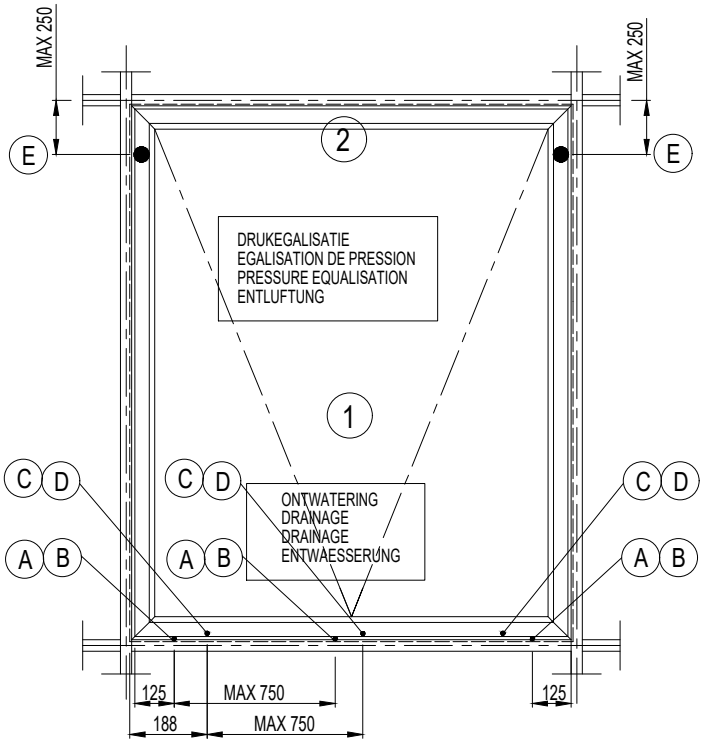


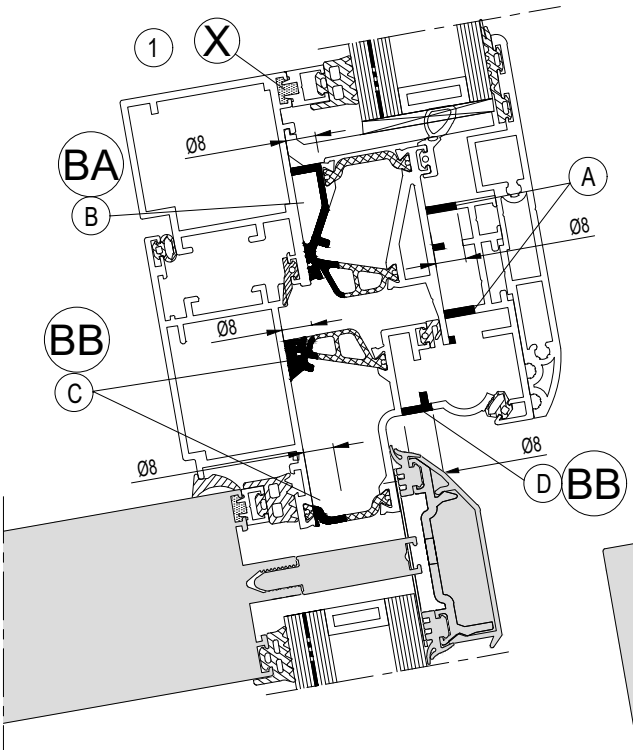
MAX. GEWICHT = 225KG ONDER EIGENGEWICHT + SNEEUW
POIDS MAX. = 225KG SOUS PROPRE POIDS + NEIGE
MAX. WEIGHT = 225KG UNDER SELF WEIGHT AND SNOW
MAXIMALGEWICHT = 225KG UNTER EIGENGEWICHT UND SCHNEE

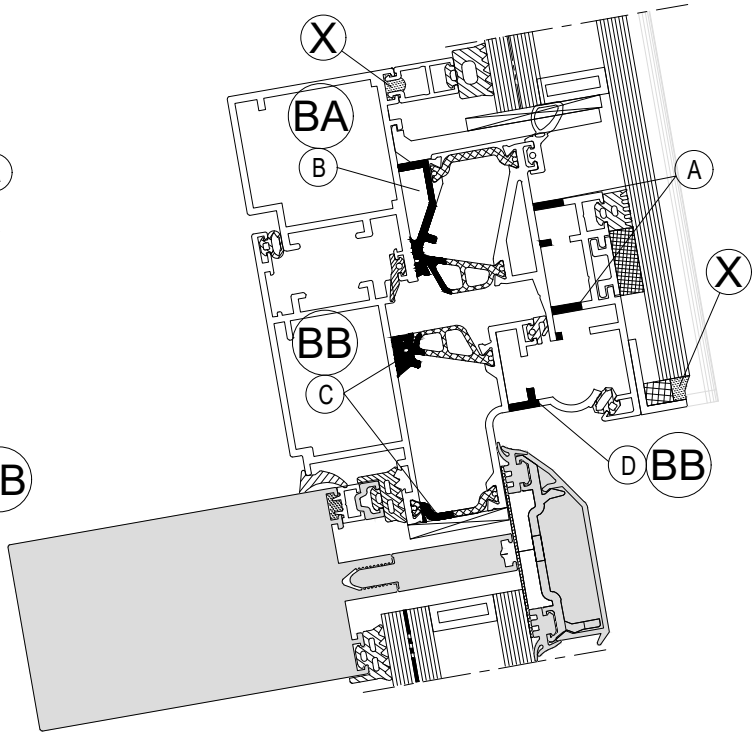
F

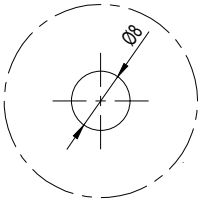
DAKRAAM: ONTWATERING
TABATIERE: DRAINAGE
ATTIC WINDOW: DRAINAGE
DACHFENSTER: ENTWAESSERUNG







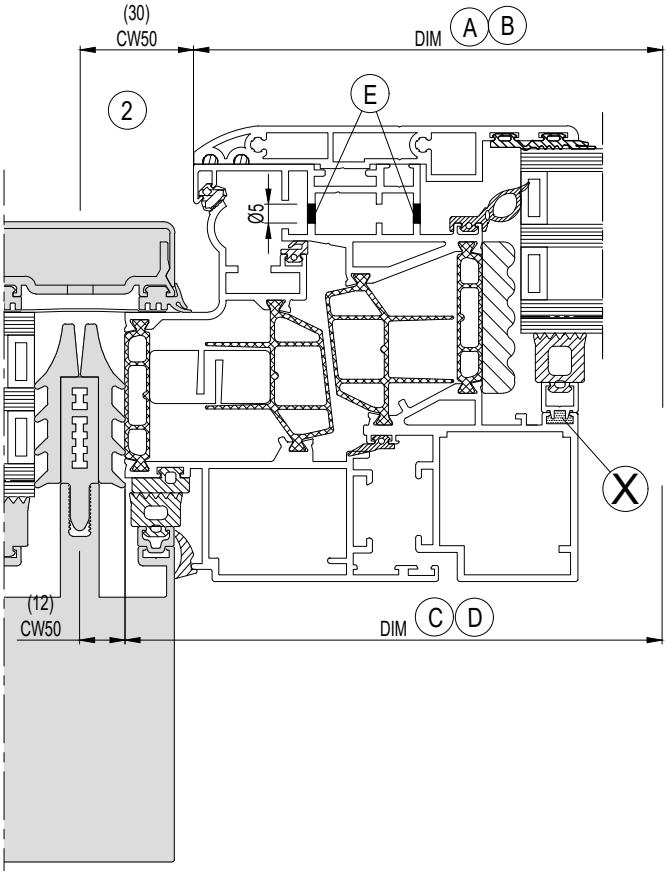


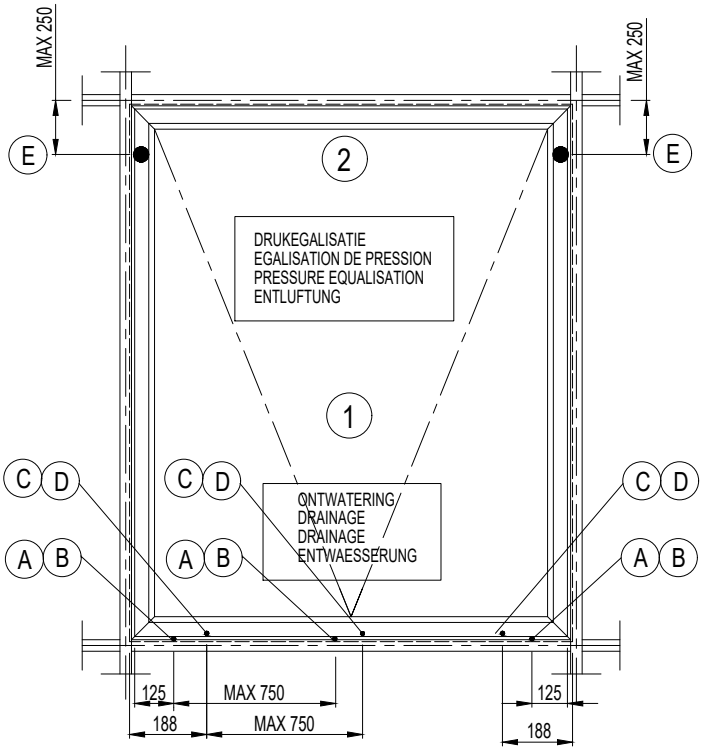


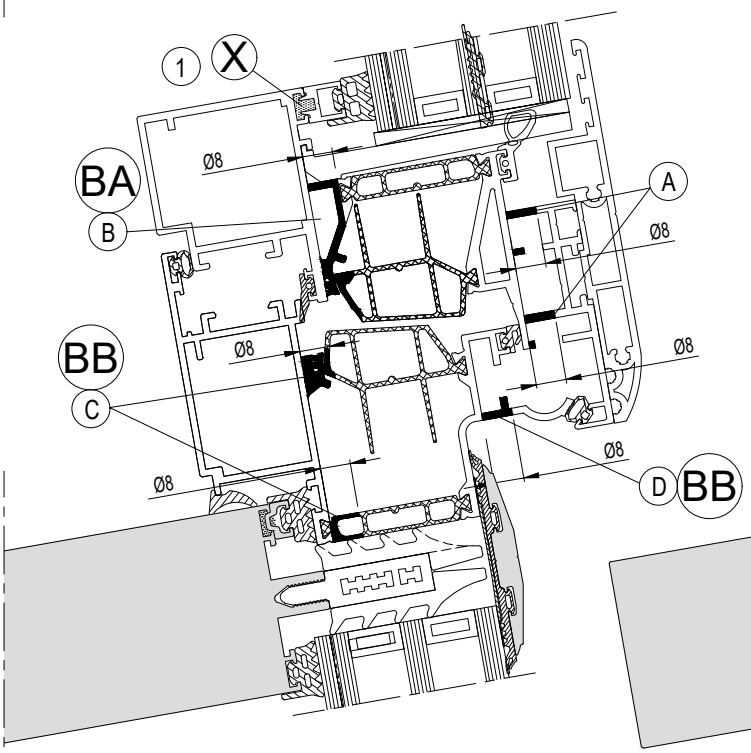
X DICHTINGSMIDDEL MATIERE D'ETANCHEITE SEALING AGENT ABDICHTUNG	097.00809.00 BA
GEEN ONTWATERING OP PLAATS VAN DE GLASSTEUN PAS DE DRAINAGE SUR PLACE DE SUPPORT CALE DE VITRAGE NO DRAINAGE ON PLACE OF GLASS SUPPORT KEINE ENTWAESSERUNG IM BEREICH DER GLASAUFLAGEPROFIL	097.0810.00 BB ETAG 002

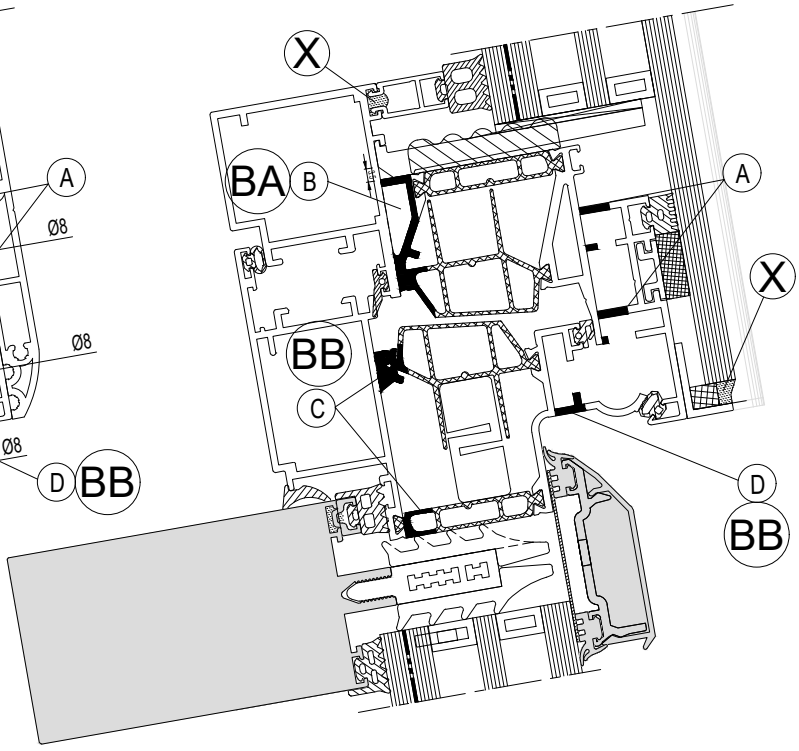
F

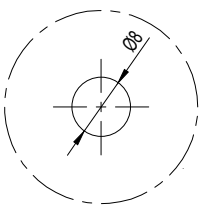
DAKRAAM: ONTWATERING
TABATIERE: DRAINAGE
ATTIC WINDOW: DRAINAGE
DACHFENSTER: ENTWAESSERUNG











X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

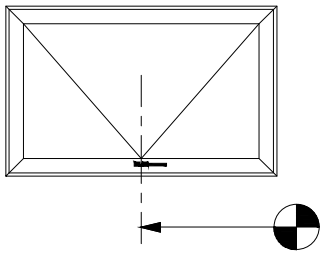
097.00809.00 BA

GEEN ONTWATERING OP PLAATS VAN DE GLASSTEUN
PAS DE DRAINAGE SUR PLACE DE SUPPORT CALE DE VITRAGE
NO DRAINAGE ON PLACE OF GLASS SUPPORT
KEINE ENTWAESSERUNG IM BEREICH DER GLASAUFLAGEPROFIL

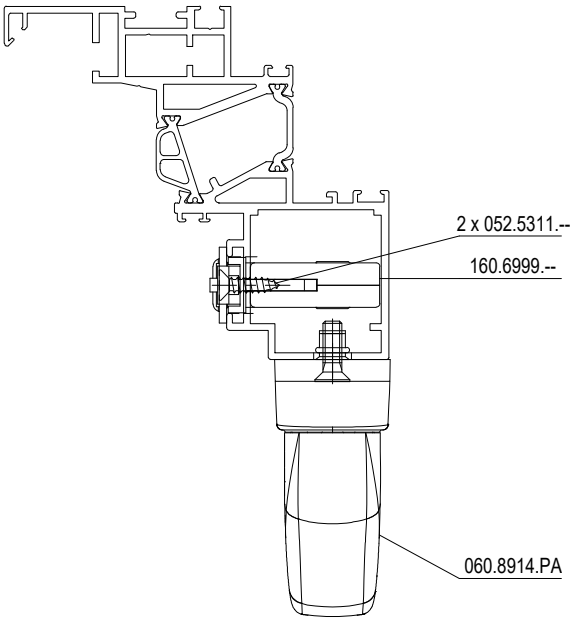
097.0810.00 BB ETAG 002

F

DAKRAAM: RAAMKRUK
TABATIERE: CREMONE
ATTIC WINDOW: HANDLE
DACHFENSTER: HANDHEBEL



Referentiemaat
Dimension de référence
Referenzmass
Reference dimension

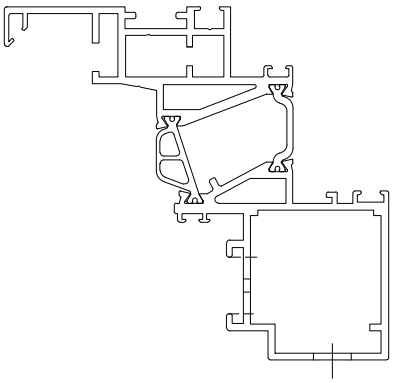


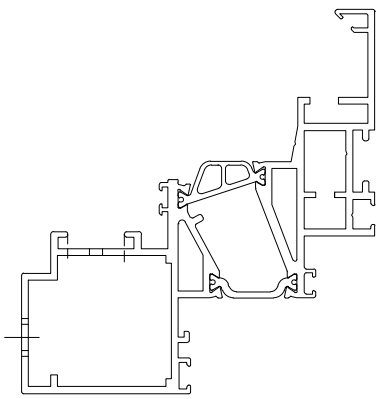
	095.B300.00		---

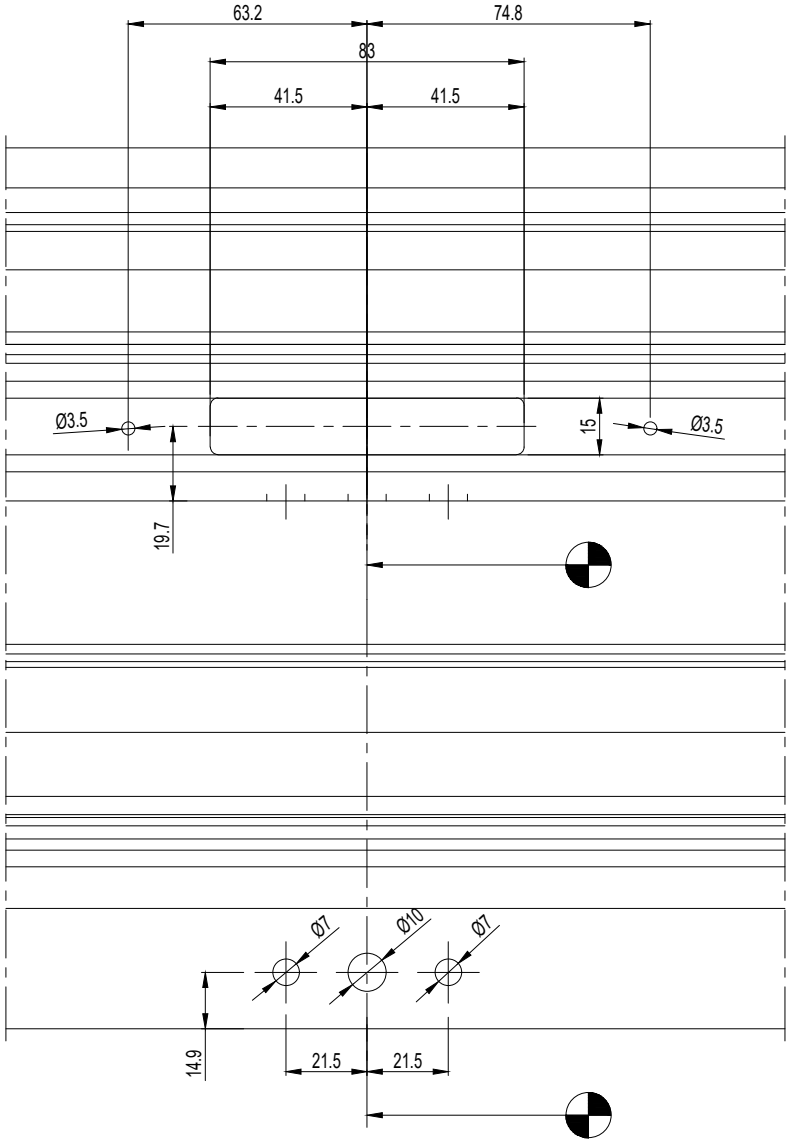
of - ou - oder - or

	095.C300.00 or 095.E000.00 or 095.E010.00

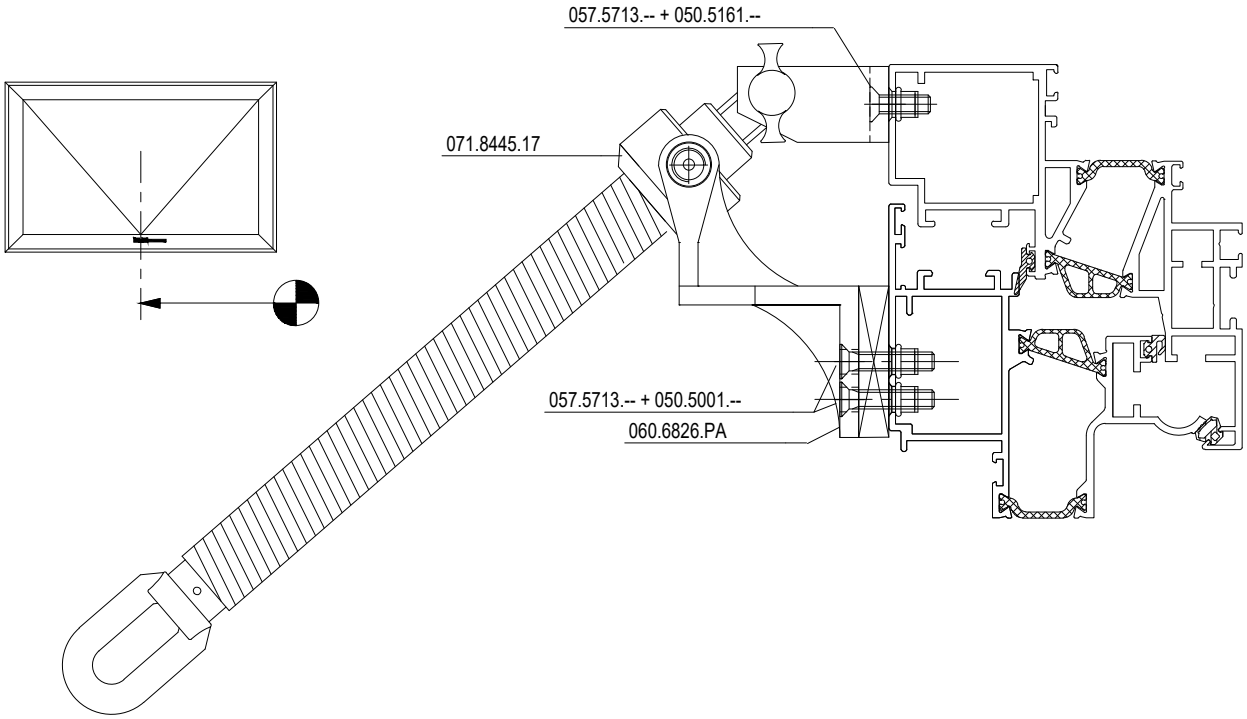
X DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

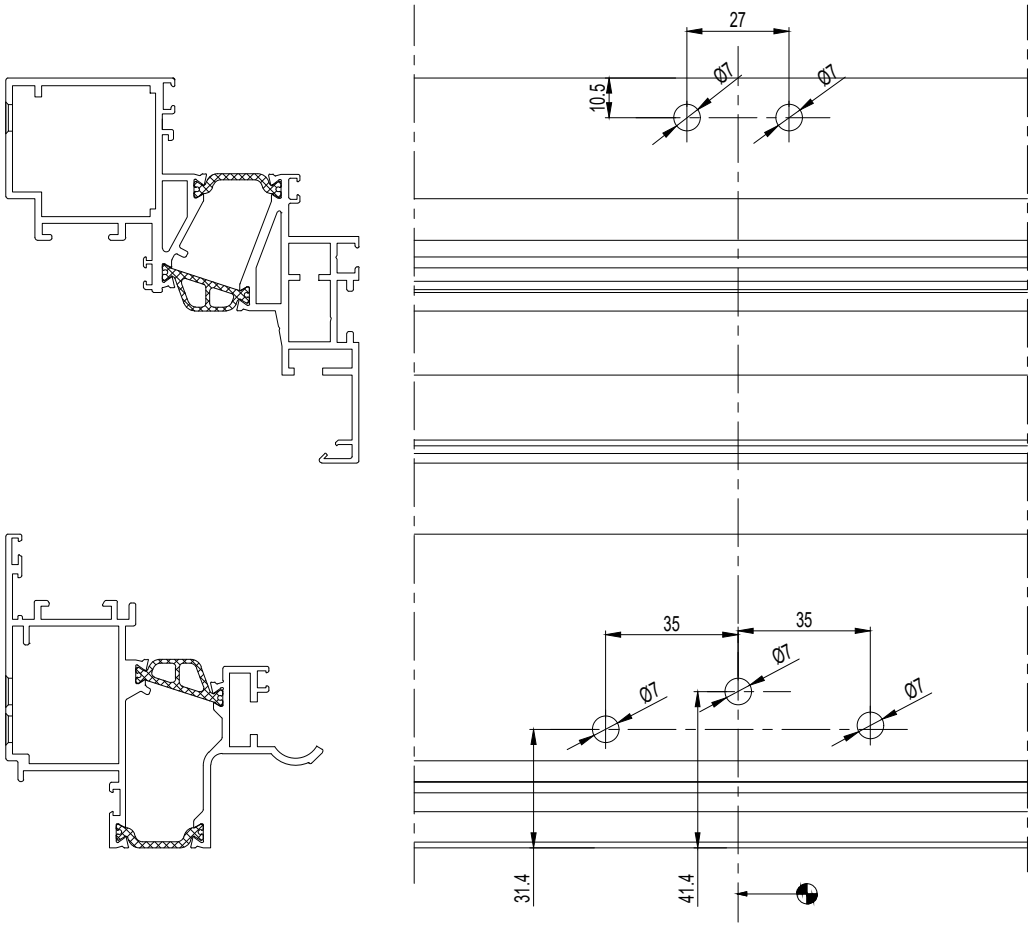






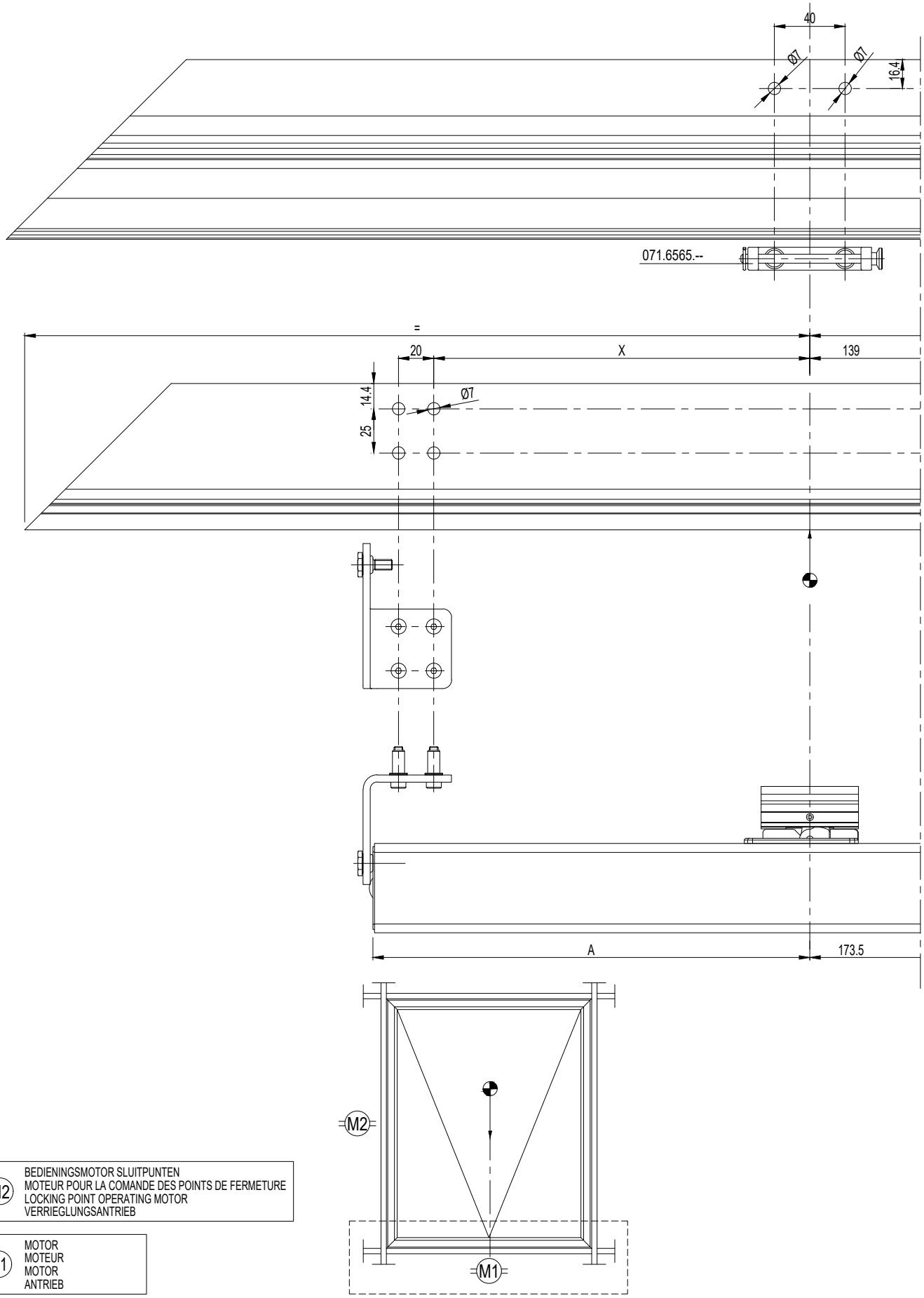
F


057.5713.-- + 050.5161.--
071.8445.17
057.5713.-- + 050.5001.--
060.6826.PA


27
10.5
Ø7
Ø7
35
35
Ø7
Ø7
Ø7
31.4
41.4

F

DAKRAAM: MONTAGEVOORBEELD KETTINGMOTOR
TABATIERE: EXEMPLE DE MONTAGE MOTEUR DE CHAINE
ATTIC WINDOW: ASSEMBLY EXAMPLE CHAIN MOTOR
DACHFENSTER: MONTAGEBEISPIEL KETTENANTRIEB

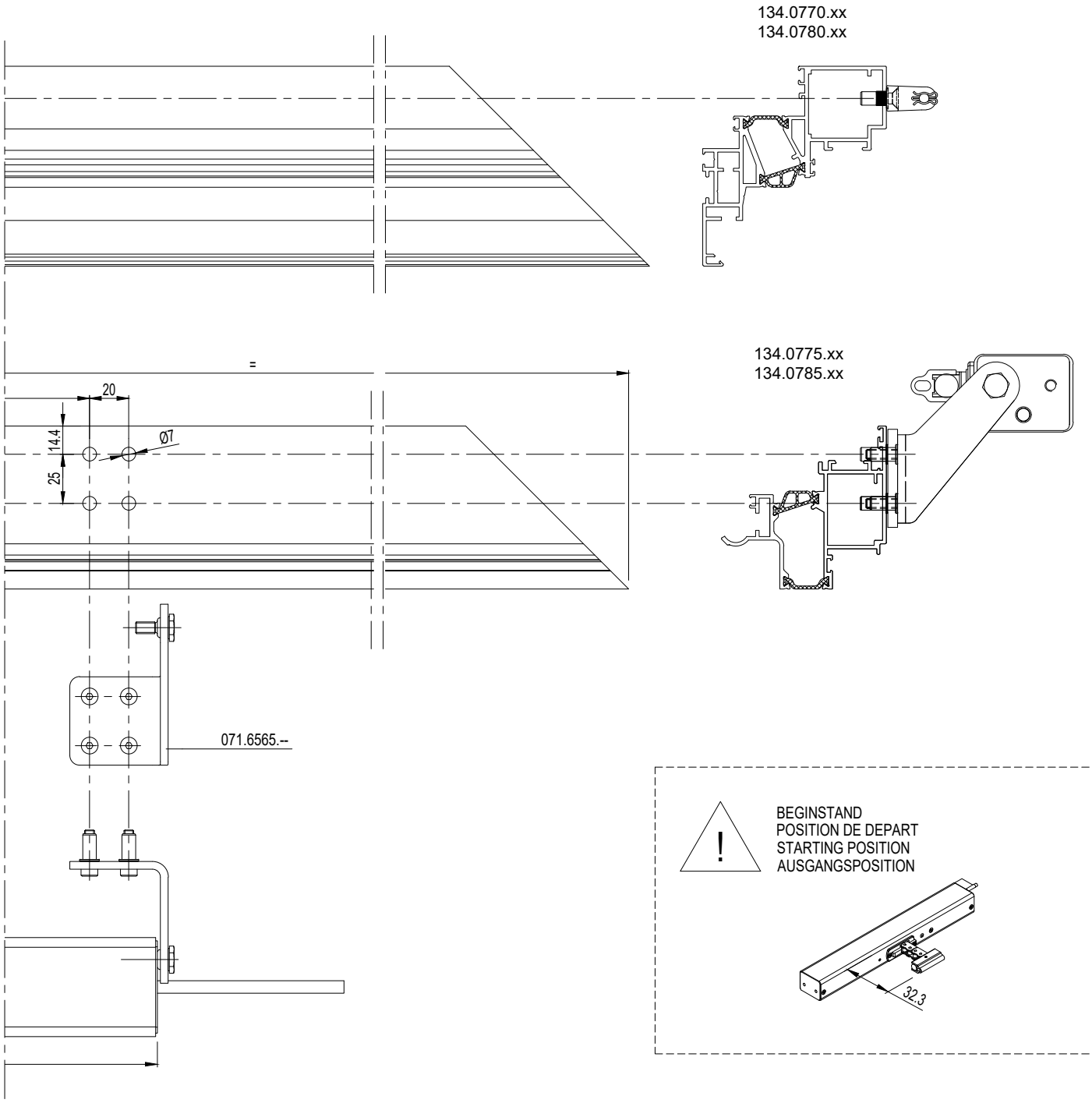


M2 BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

M1 MOTOR
MOTEUR
MOTOR
ANTRIEB

F

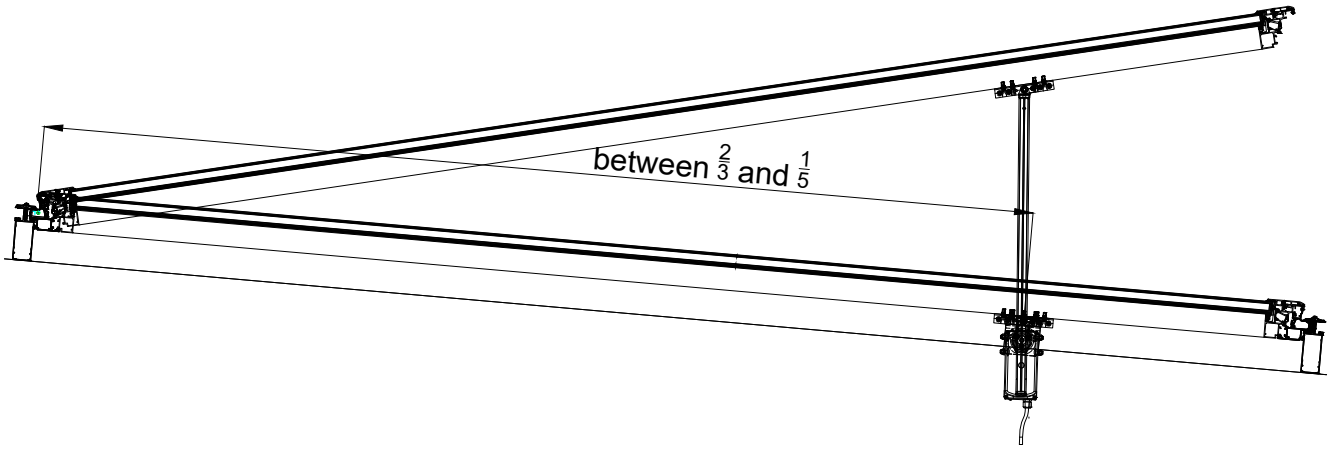
DAKRAAM: MONTAGEVOORBEELD KETTINGMOTOR
TABATIERE: EXEMPLE DE MONTAGE MOTEUR DE CHAINE
ATTIC WINDOW: ASSEMBLY EXAMPLE CHAIN MOTOR
DACHFENSTER: MONTAGEBEISPIEL KETTENANTRIEB

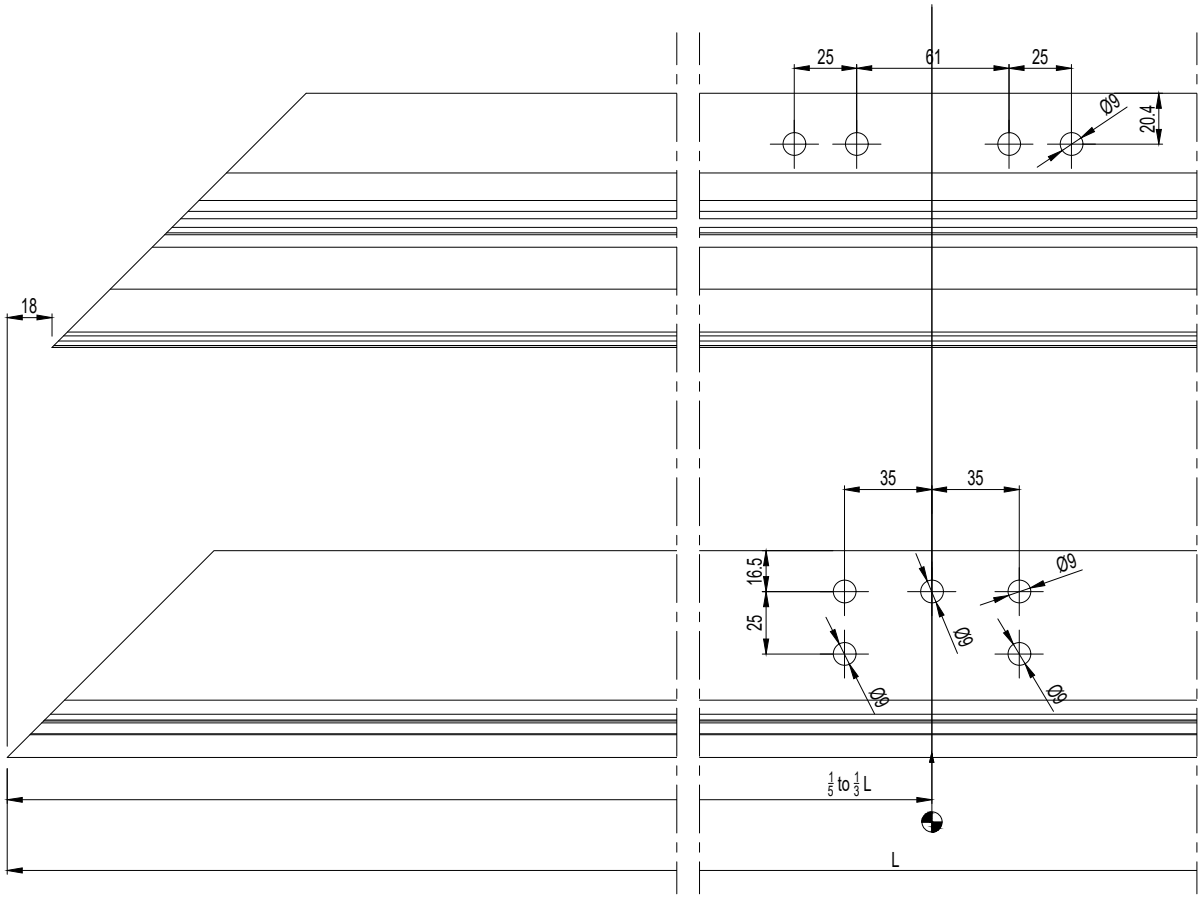


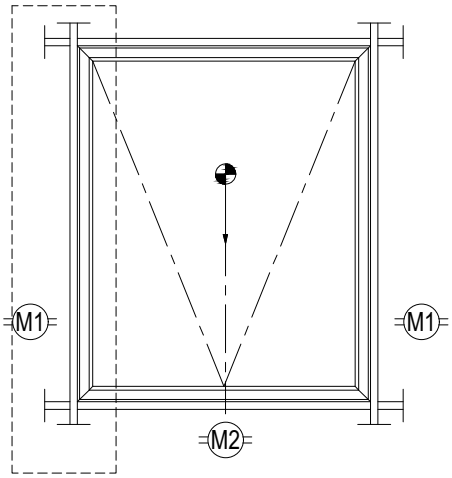
KEUZE KETTINGMOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE CHAIN MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL KETTENANTIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

F

DAKRAAM: MONTAGEVOORBEELD STANGMOTOR
TABATIERE: EXEMPLE DE MONTAGE MOTEUR A CREMAILLERE
ATTIC WINDOW: ASSEMBLY EXAMPLE RACK AND PINION DRIVE
DACHFENSTER: MONTAGEBEISPIEL ZAHNSTANGENANTRIEB





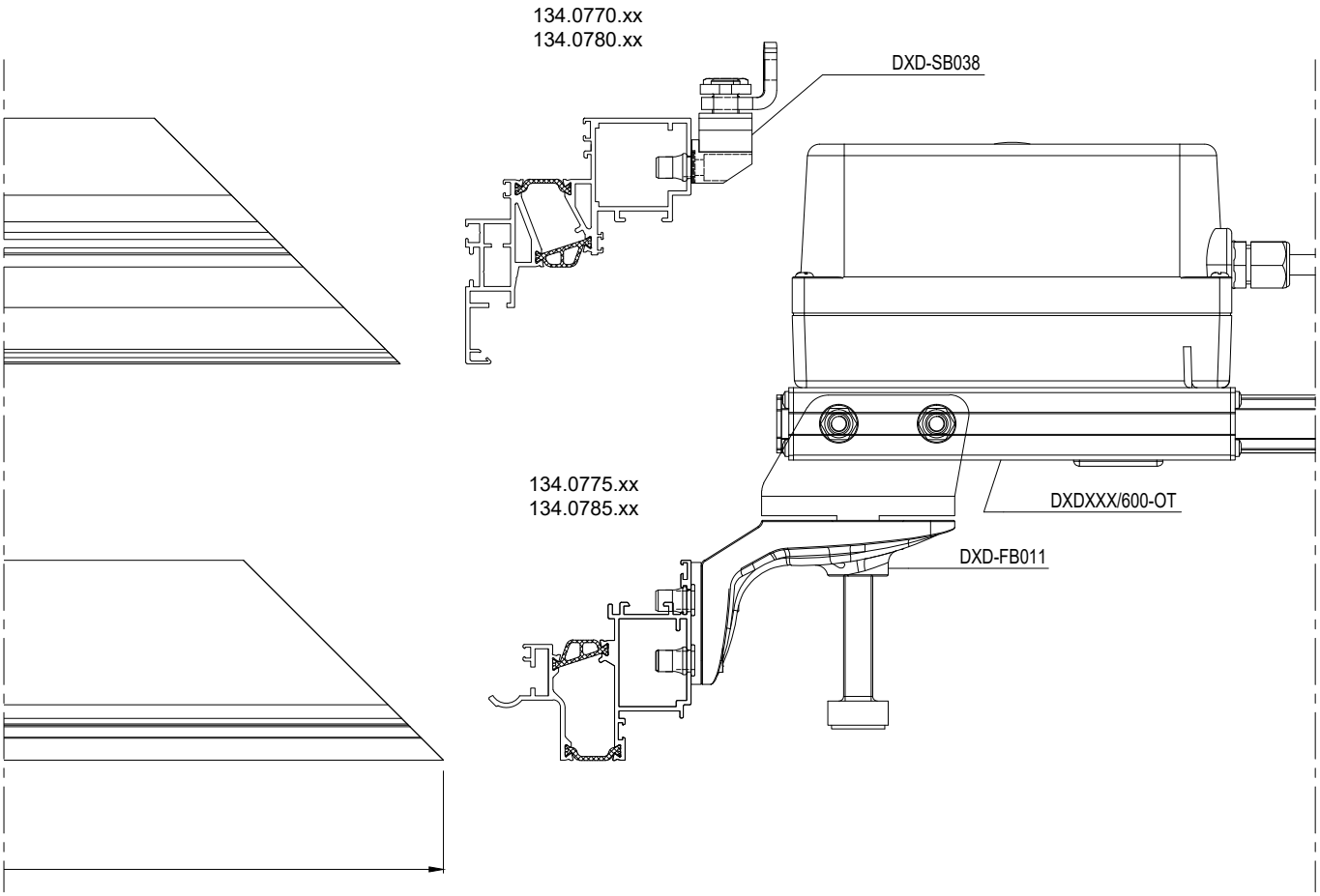


M2 BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

M1 MOTOR
MOTEUR
MOTOR
ANTRIEB

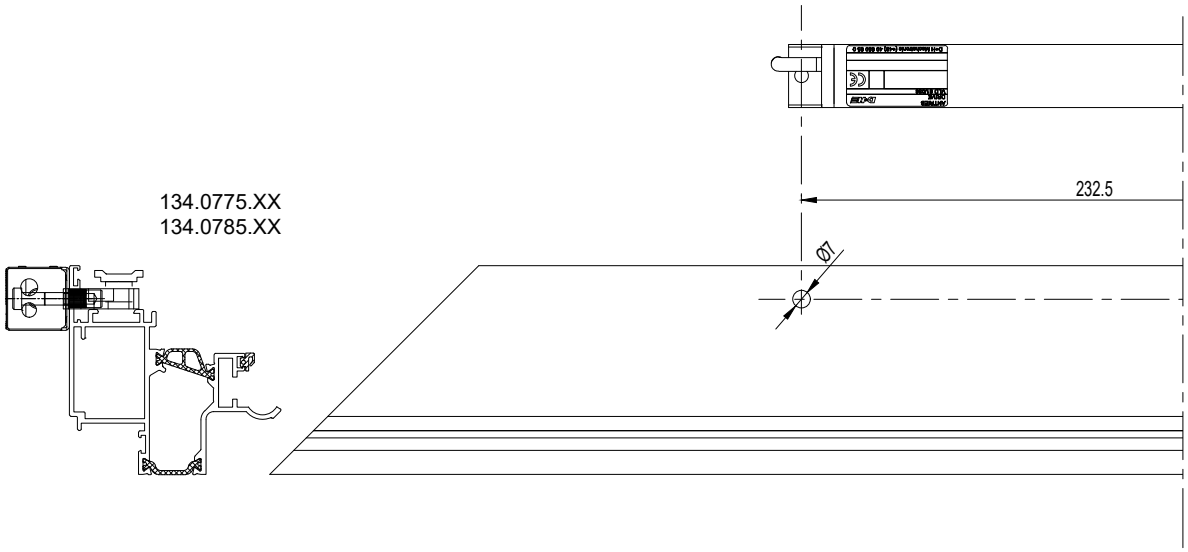
F

DAKRAAM: MONTAGEVOORBEELD STANGMOTOR
TABATIERE: EXEMPLE DE MONTAGE MOTEUR A CREMAILLERE
ATTIC WINDOW: ASSEMBLY EXAMPLE RACK AND PINION DRIVE
DACHFENSTER: MONTAGEBEISPIEL ZAHNSTANGENANTRIEB



KEUZE KETTINGMOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE CHAIN MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL KETTENANTIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

DAKRAAM: MONTAGEVOORBEELD SLUITPUNTMOTOR
TABATIERE: EXEMPLE DE MONTAGE MOTEUR DEFERMETURE
ATTIC WINDOW: ASSEMBLY EXAMPLE CLOSING POINT MOTOR
DACHFENSTER: MONTAGEBEISPIEL SCHLIESSPUNKTMOTOR



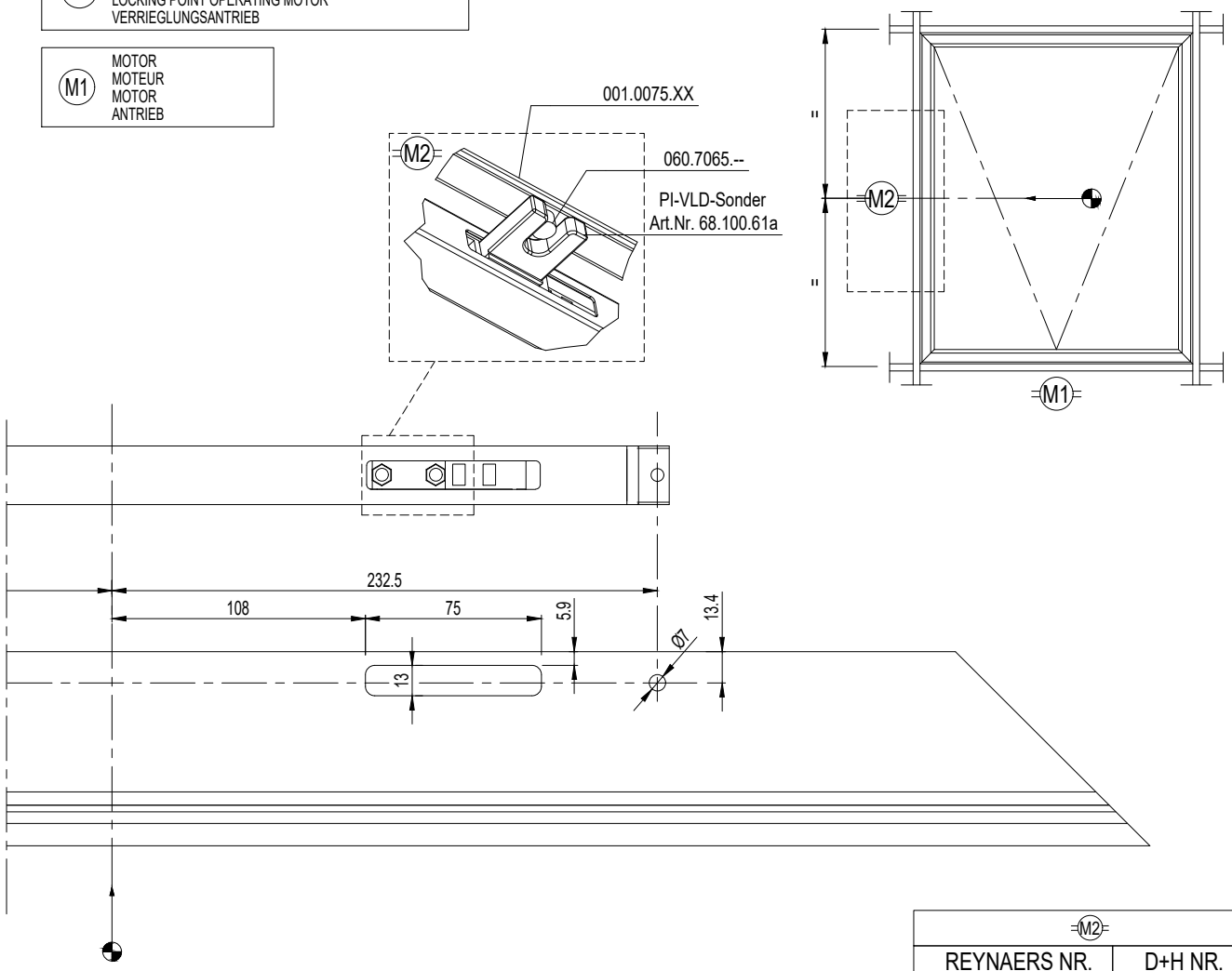
F

DAKRAAM: MONTAGEVOORBEELD SLUITPUNTMOTOR
TABATIERE: EXEMPLE DE MONTAGE MOTEUR DEFERMETURE
ATTIC WINDOW: ASSEMBLY EXAMPLE CLOSING POINT MOTOR
DACHFENSTER: MONTAGEBEISPIEL SCHLIESSPUNKTMOTOR

Reynaers Aluminium

(M2) BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

(M1) MOTOR
MOTEUR
MOTOR
ANTRIEB

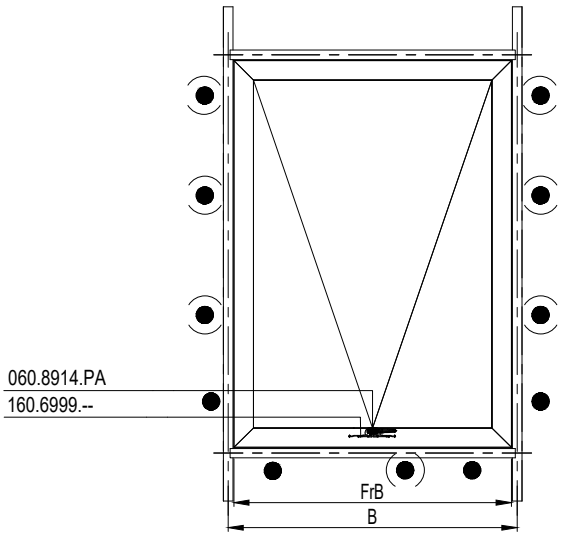


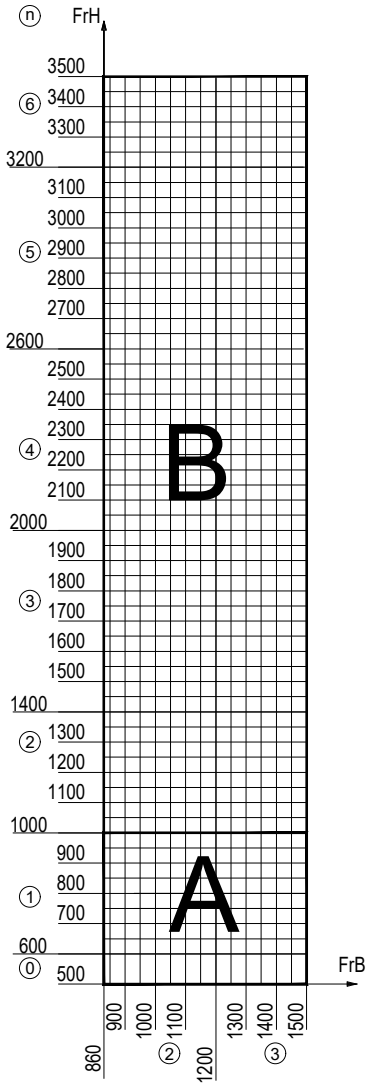
M2	
REYNAERS NR.	D+H NR.
060.6899.--	23.060.95

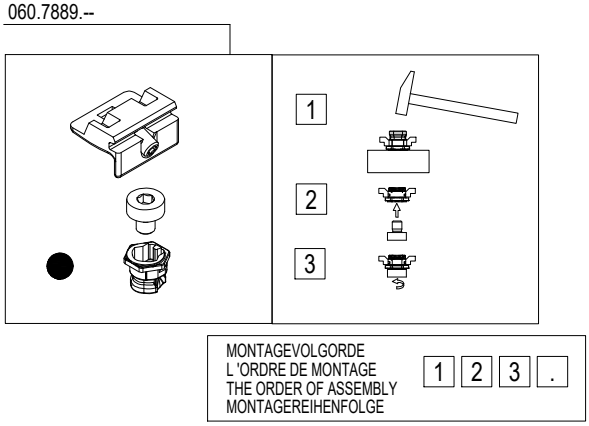
KEUZE MOTOR: CONTACTEER D+H
CHOIX MOTEUR: CONTACTEZ D+H
CHOICE MOTOR: PLEASE CONTACT D+H
AUSWAHL ANTRIEB: BITTE KONTAKTIEREN SIE D+H

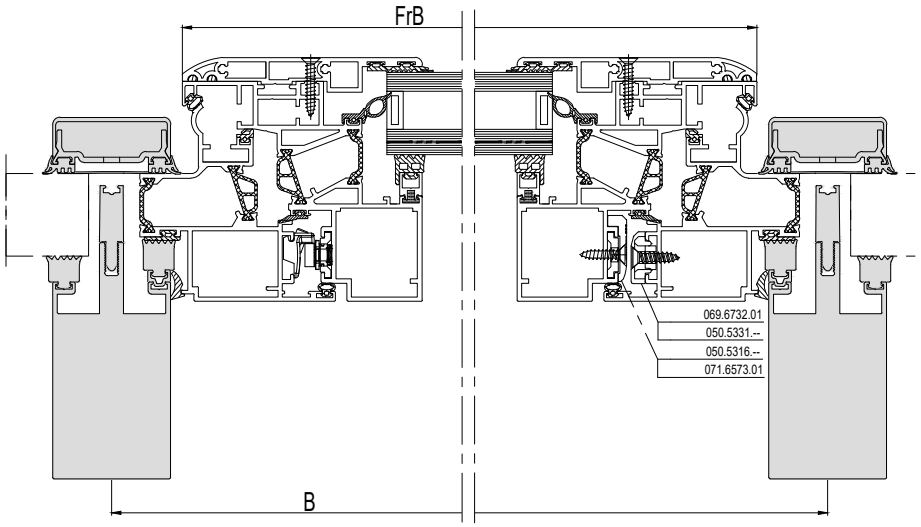
F

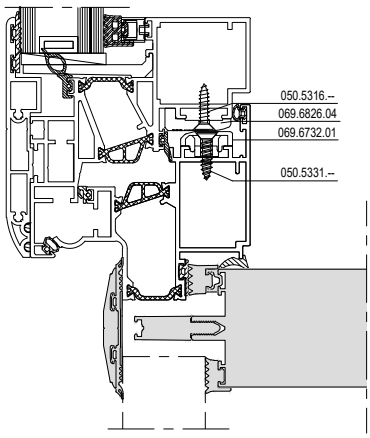
DAKRAAM: SLUITPUNTEN
TABATIERE: POINTS DE VERROUILLAGE
ATTIC WINDOW: LOCKING POINTS
DACHFENSTER: SCHLIESSPUNKTE



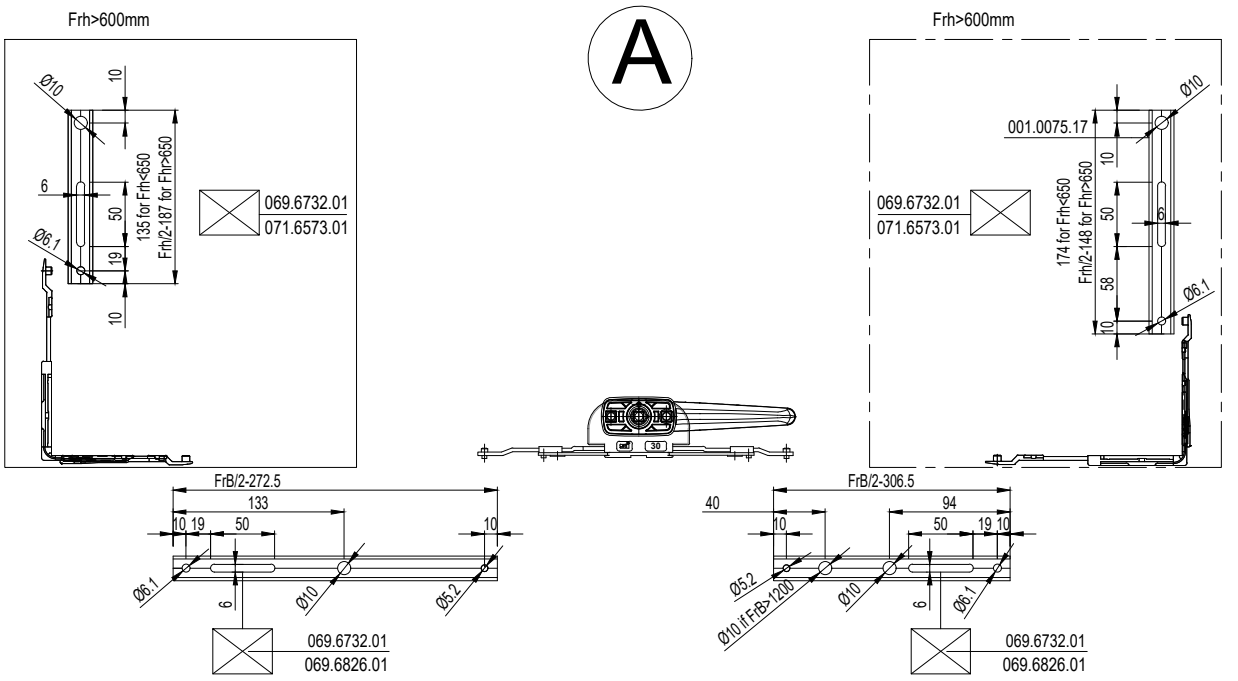


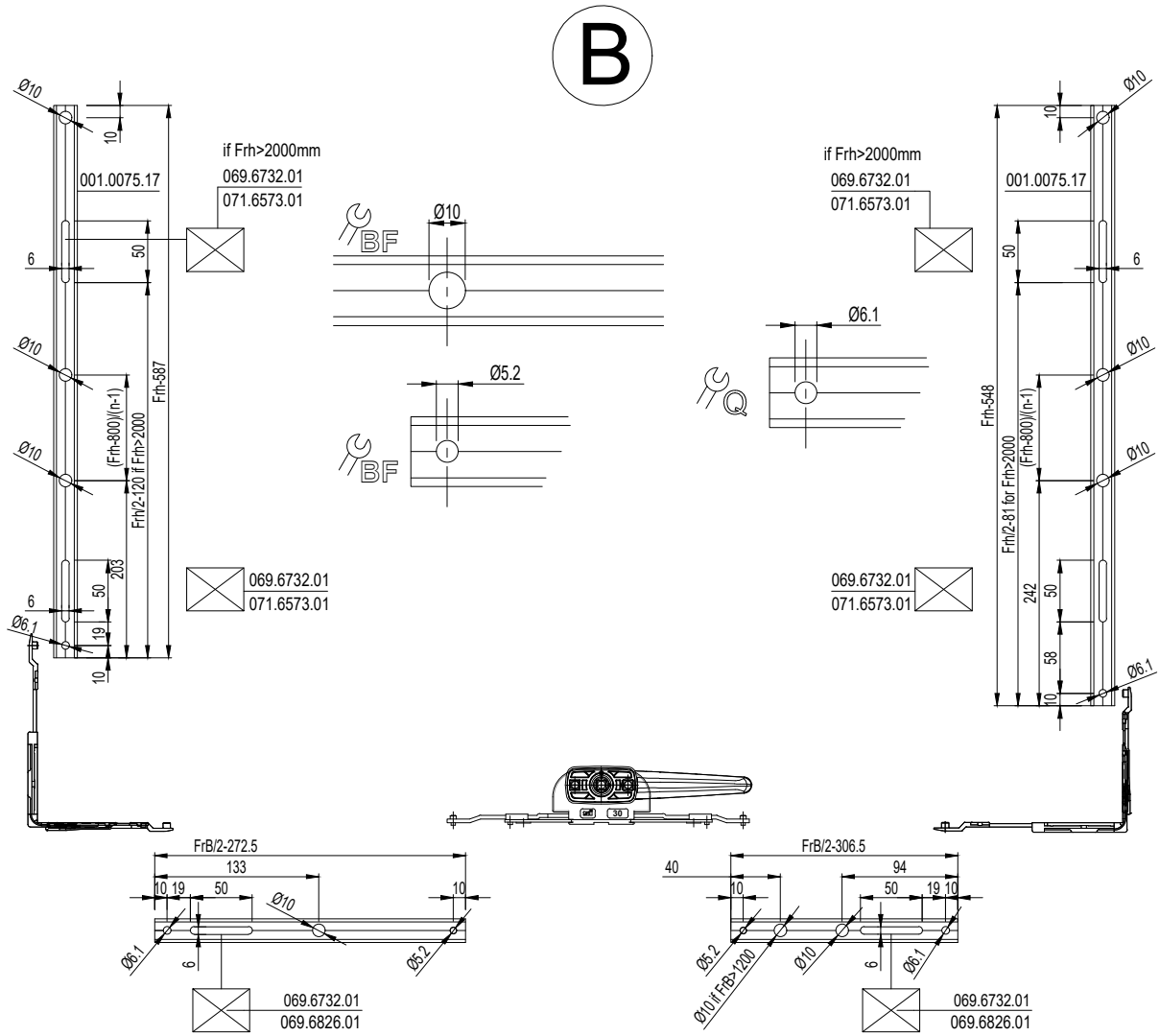






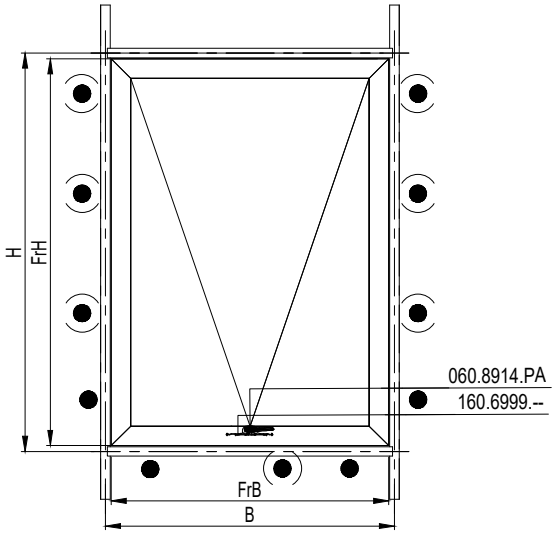
F

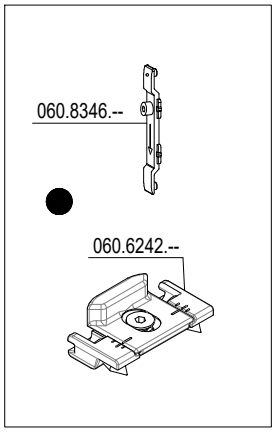

A
Frh>600mm
Ø10
10
6
50
19
10
Ø6.1
135 for Frh<650
Frh/2-187 for Frh>650
069.6732.01
071.6573.01
FrB/2-272.5
133
10 19 50 10
Ø6.1
6
Ø10
Ø5.2
069.6732.01
069.6826.01
Frh>600mm
001.0075.17
Ø10
10
069.6732.01
071.6573.01
174 for Frh<650
Frh/2-148 for Frh>650
50
58
10
Ø6.1
FrB/2-306.5
40
94
10
50
19 10
Ø5.2
Ø10 if FrB>1200
Ø10
6
Ø6.1
069.6732.01
069.6826.01

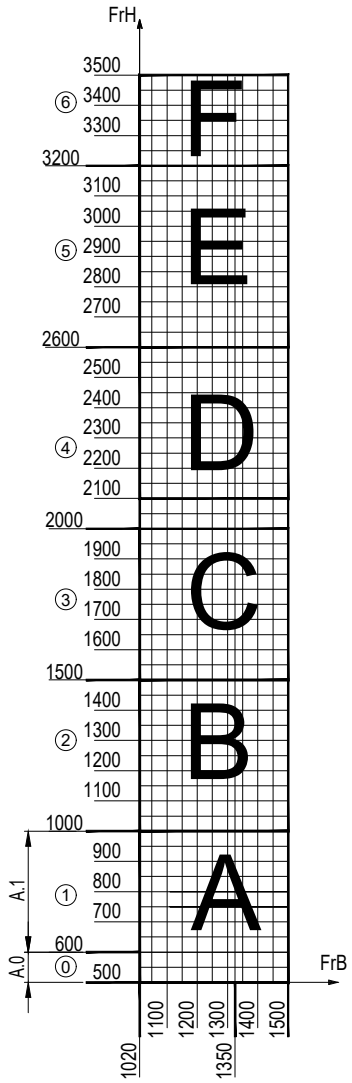

B
Ø10
10
001.0075.17
if Frh>2000mm
069.6732.01
071.6573.01
6
50
Ø10
(Frh-800)/(n-1)
Frh/2-120 if Frh>2000
Frh-587
203
069.6732.01
071.6573.01
Ø6.1
BF
Ø10
Ø5.2
BF
Q
Ø6.1
if Frh>2000mm
069.6732.01
071.6573.01
Ø10
001.0075.17
50
6
Ø10
Frh-548
(Frh-800)/(n-1)
Frh/2-81 for Frh>2000
Ø10
242
50
58
10
Ø6.1
069.6732.01
071.6573.01
FrB/2-272.5
133
10 19 50 10
Ø10
Ø6.1
6
Ø5.2
069.6732.01
069.6826.01
FrB/2-306.5
40
94
10
50
19 10
Ø5.2
Ø10 if FrB>1200
Ø10
6
Ø6.1
069.6732.01
069.6826.01

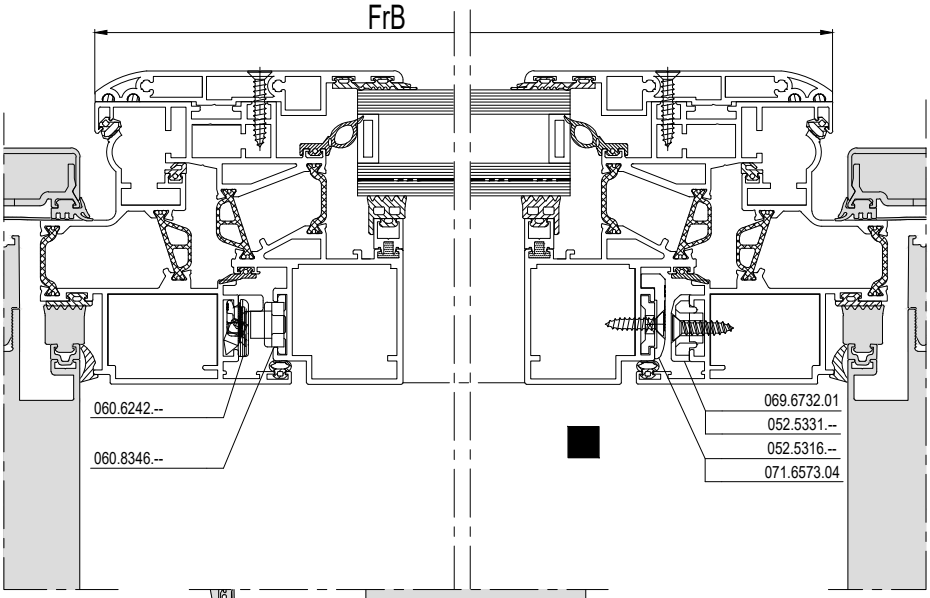
F

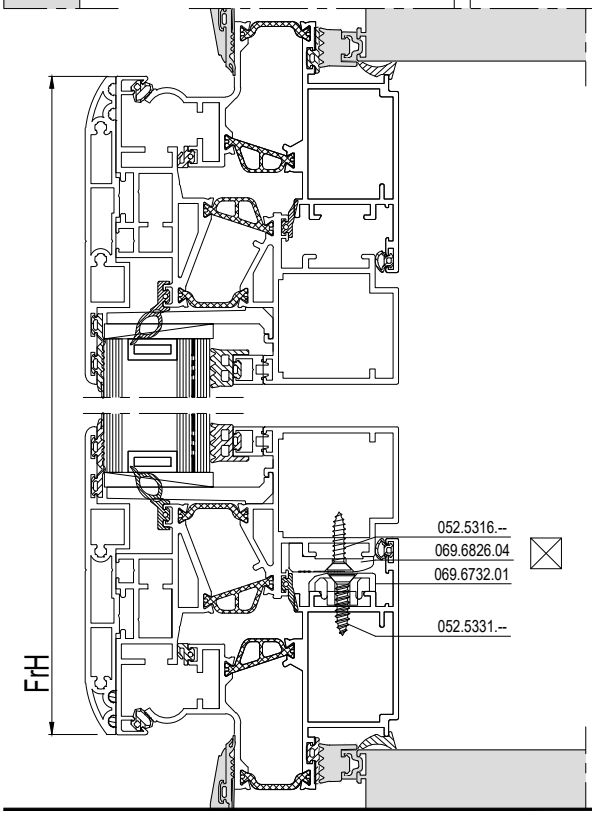
DAKRAAM: SLUITPUNTEN
TABATIERE: POINTS DE VERROUILLAGE
ATTIC WINDOW: LOCKING POINTS
DACHFENSTER: SCHLIESSPUNKTE

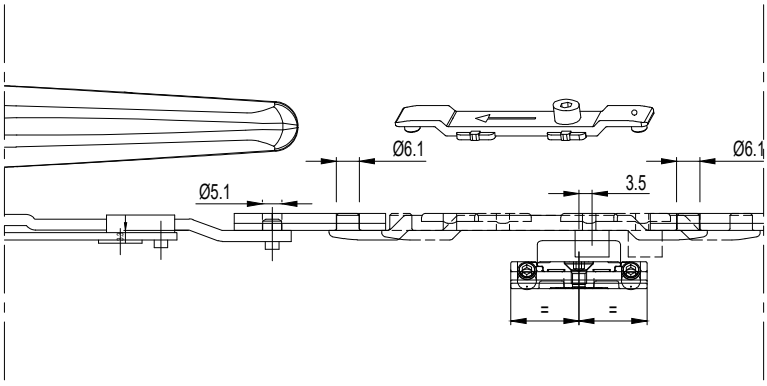


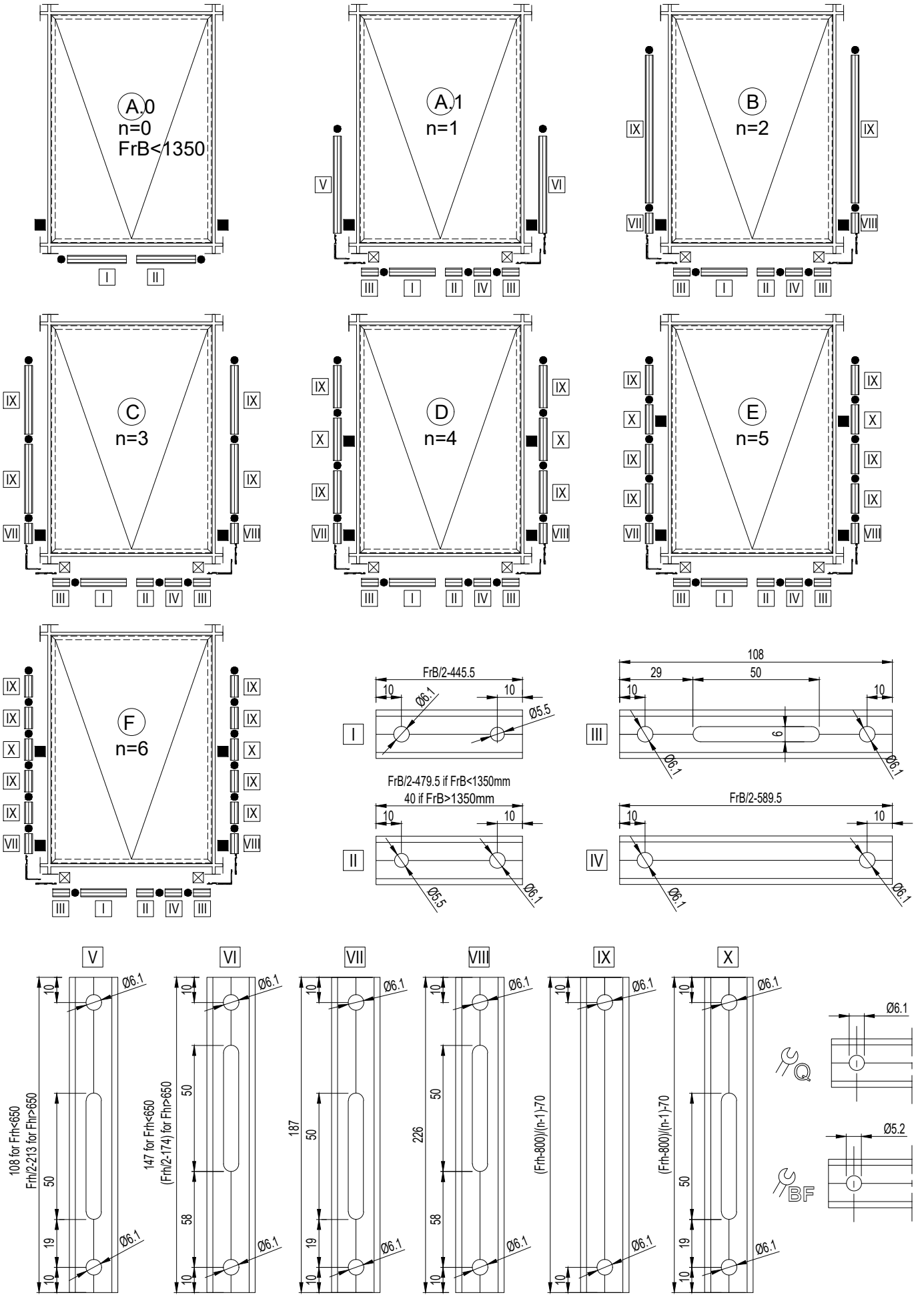




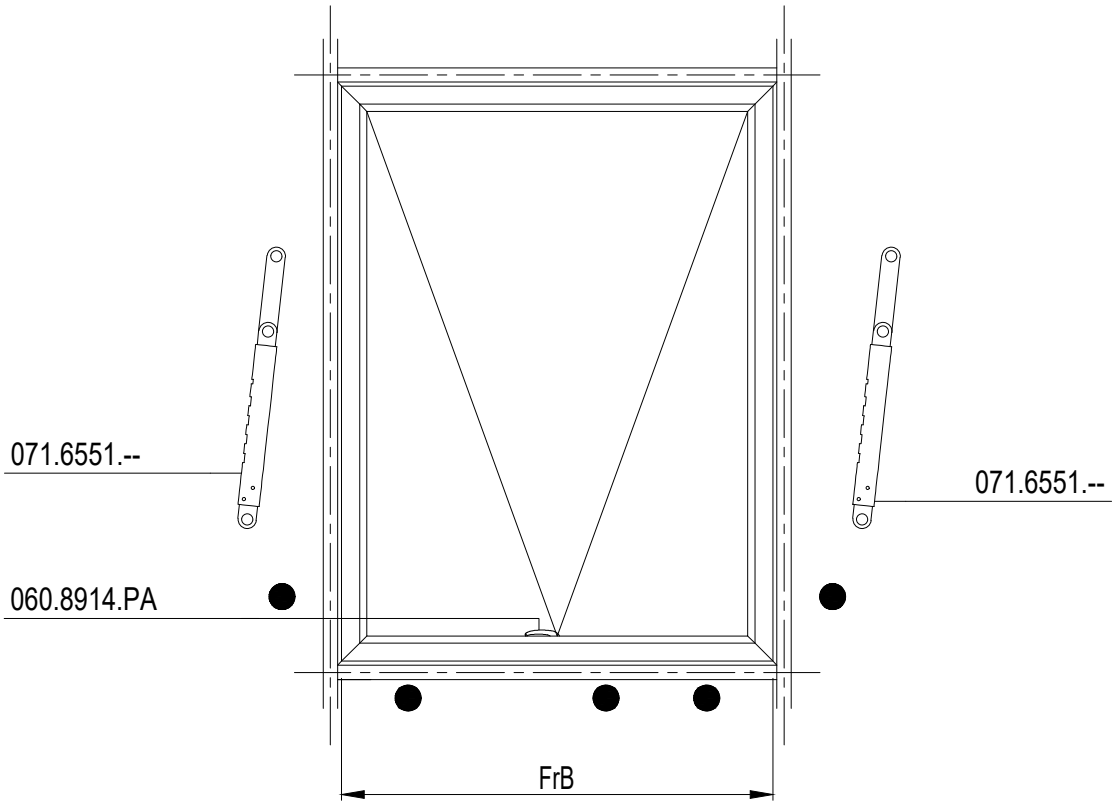


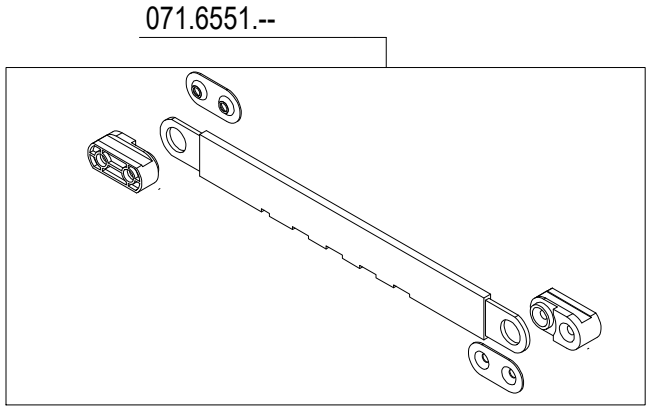





A.0
n=0
FrB<1350
A.1
n=1
B
n=2
C
n=3
D
n=4
E
n=5
F
n=6
FrB/2-445.5
FrB/2-479.5 if FrB<1350mm
40 if FrB>1350mm
FrB/2-589.5
108 for Frh<650
Frh/2-213 for Frh>650
147 for Frh<650
(Frh/2-174) for Frh>650
(Frh-800)/(n-1)-70
Ø6.1
Ø5.5
Ø5.2

DAKRAAM: 071.6551.–
TABATIERE: 071.6551.–
ATTIC WINDOW: 071.6551.–
DACHFENSTER: 071.6551.–

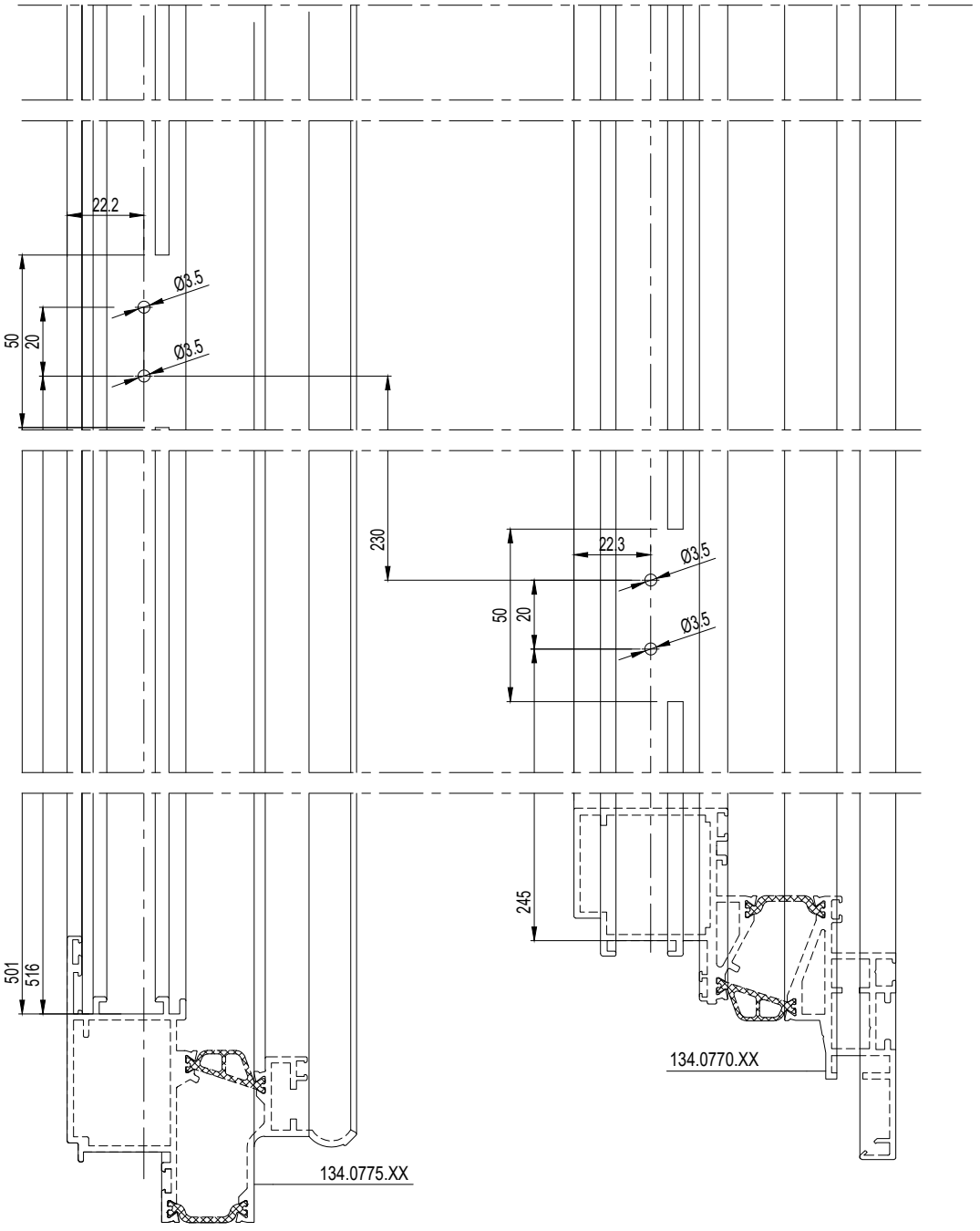


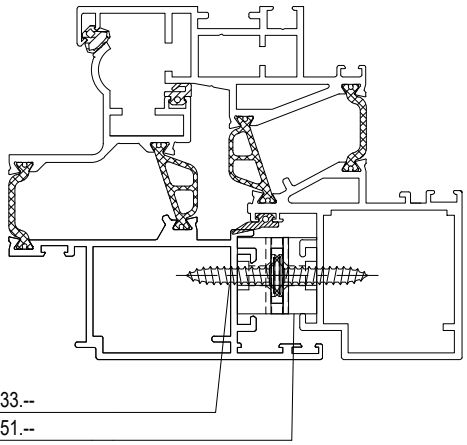


	FG MAX
2 x 071.6551.--	70 KG

schaal - échelle
scale - Maßstab
1/2

F





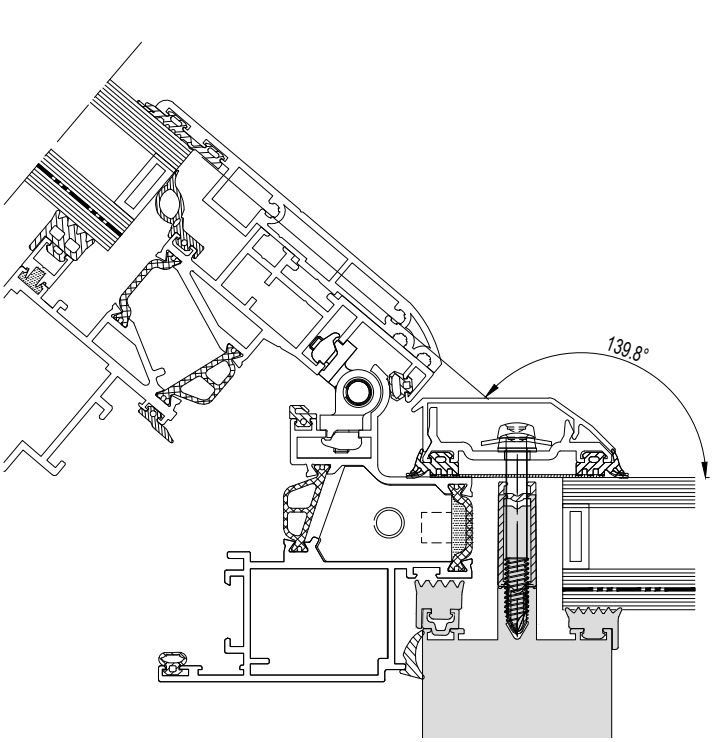
	FG MAX
2 x 071.6551.--	70 KG

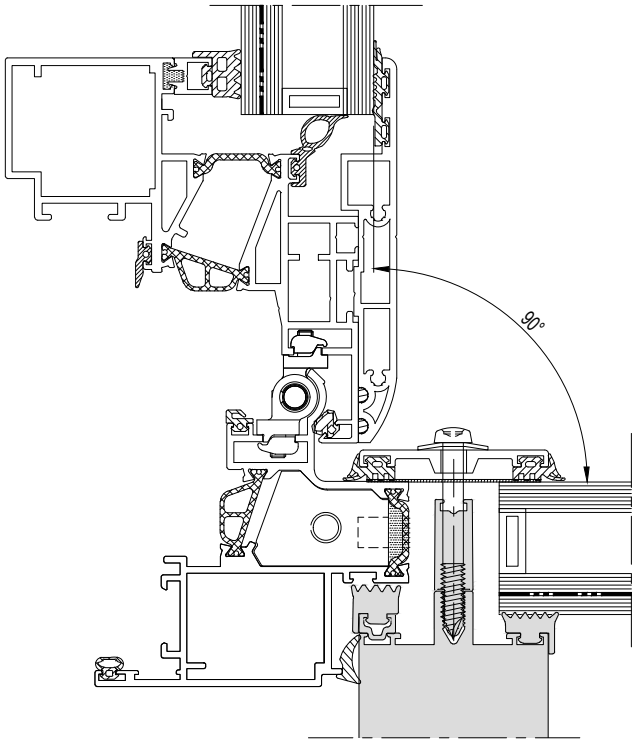
schaal - échelle
scale - Maßstab
1/2

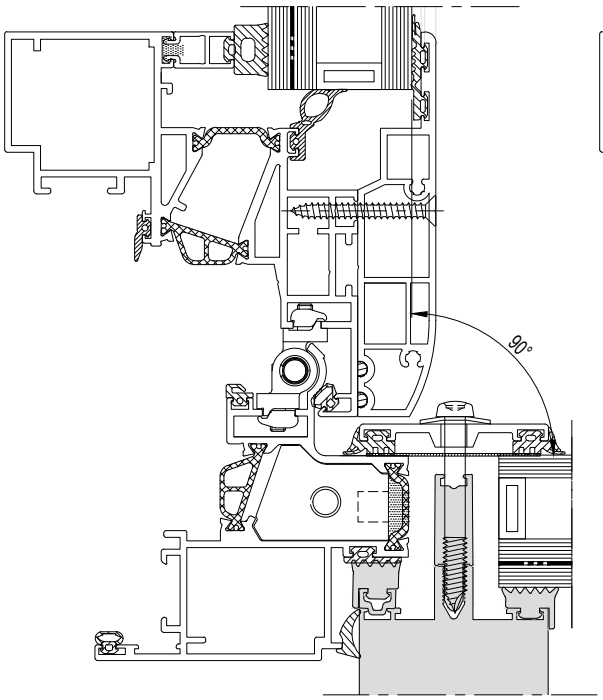
F

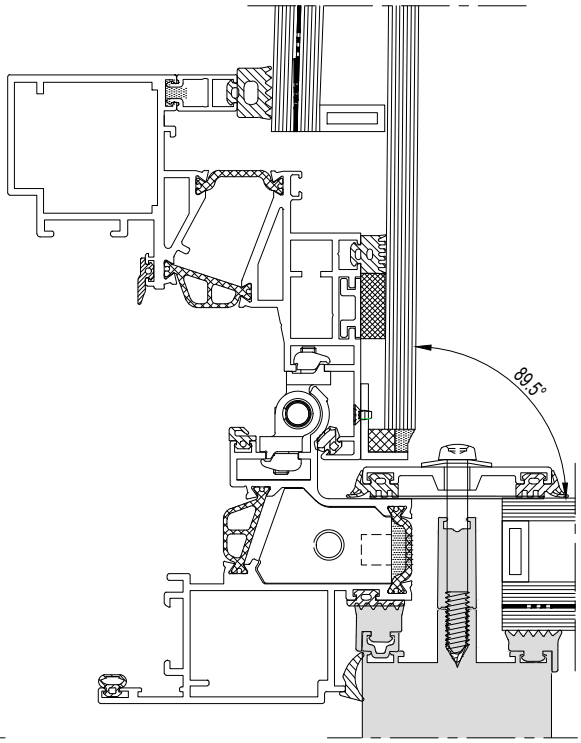
DAKRAAM: MAXIMUM OPENINGSHOEK
TABATIERE: ANGLE D'OUVERTURE MAXIMALE
ATTIC WINDOW: MAXIMUM OPENING ANGLE
DACHFENSTER: MAXIMALE OFFNUNGSECKE

MAX. OPENINGSHOEK = 90° MAX. ANGLE D'OUVERTURE = 90° MAX. OPENING ANGLE = 90° MAX. ÖFFNUNGSWINKEL = 90°	ENKEL MOGELIJK MET 134.0571.XX SEULEMENT POSSIBLE AVEC 134.0571.xx ONLY POSSIBLE WITH 134.0571.xx NUR MOGLICH MIT 134.0571.XX







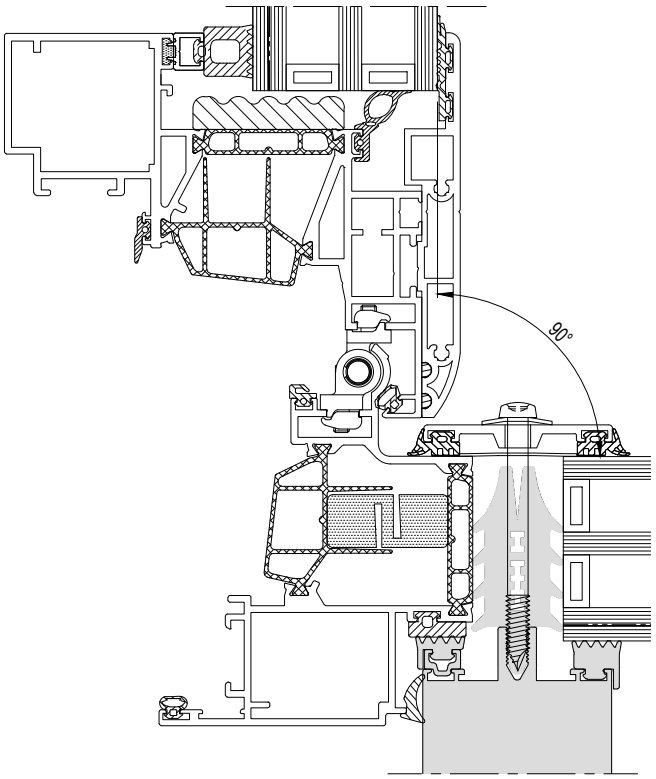


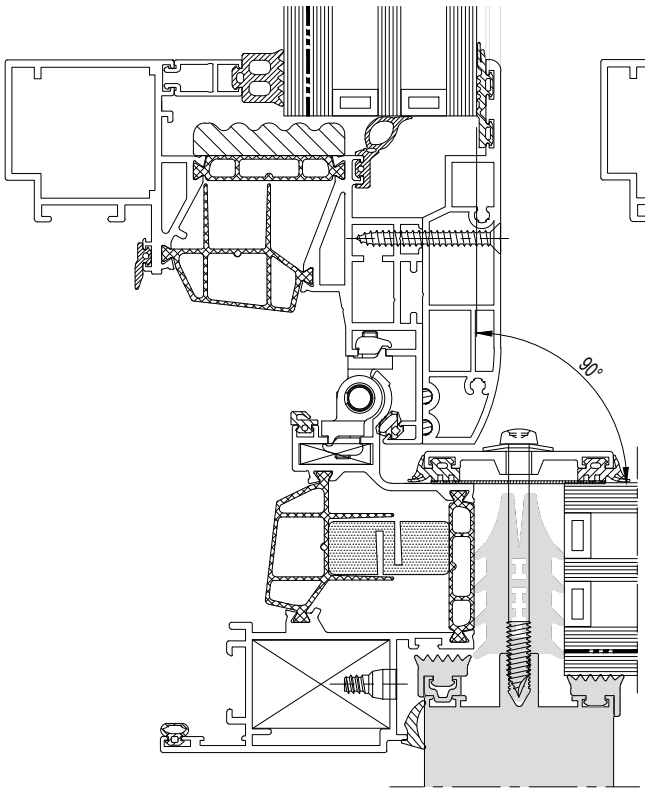
ETAG 002

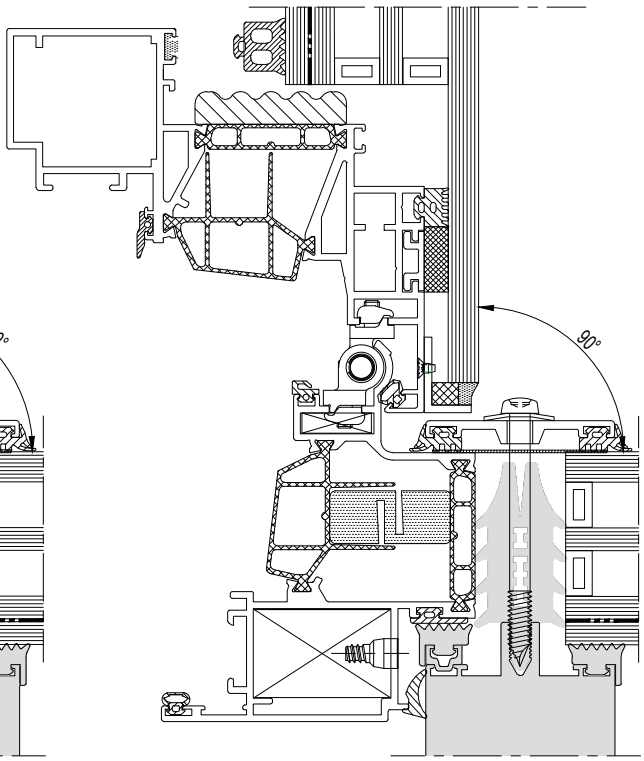
schaal - échelle
scale - Maßstab
1/2

DAKRAAM: MAXIMUM OPENINGSHOEK
TABATIERE: ANGLE D'OUVERTURE MAXIMALE
ATTIC WINDOW: MAXIMUM OPENING ANGLE
DACHFENSTER: MAXIMALE OFFNUNGSECKE

MAX. OPENINGSHOEK = 90° MAX. ANGLE D'OUVERTURE = 90° MAX. OPENING ANGLE = 90° MAX. ÖFFNUNGSWINKEL = 90°	ENKEL MOGELIJK MET 134.0571.XX SEULEMENT POSSIBLE AVEC 134.0571.xx ONLY POSSIBLE WITH 134.0571.xx NUR MOGLICH MIT 134.0571.XX





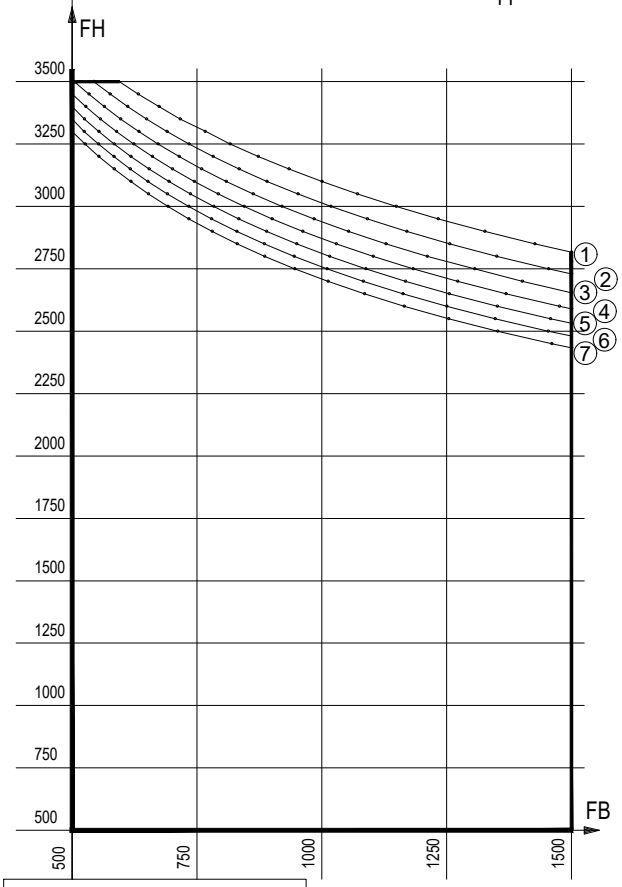


ETAG 002

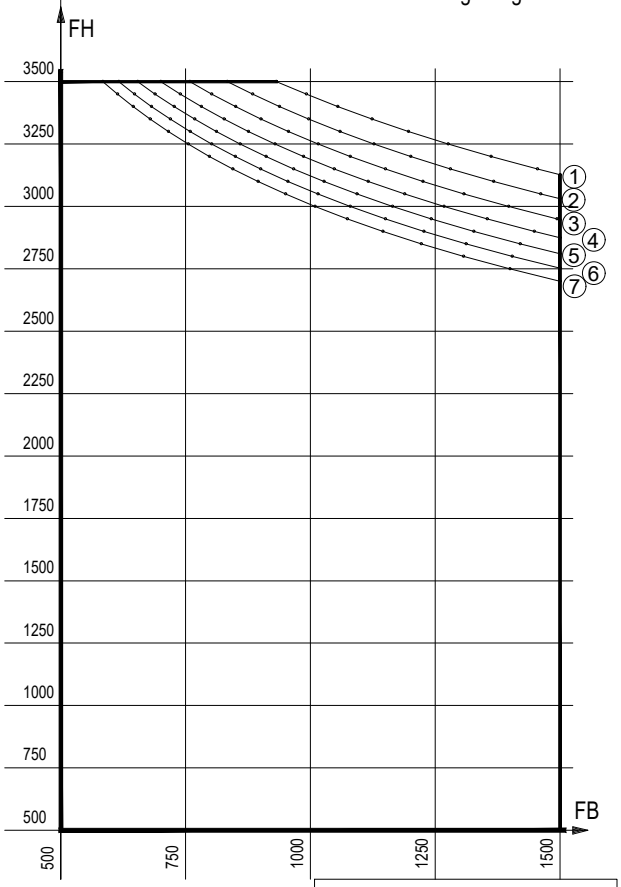
schaal - échelle
scale - Maßstab
1/2

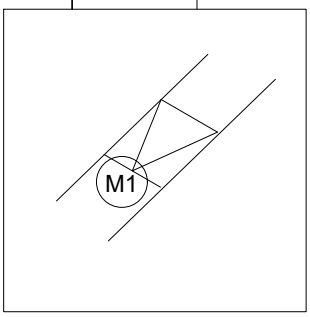
F

maximum sizes deflection 4 mm 1 motor HI stepped

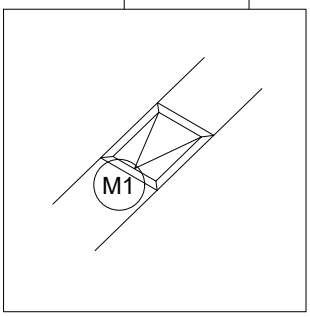


maximum sizes deflection 4 mm 1 motor HI glazing bead





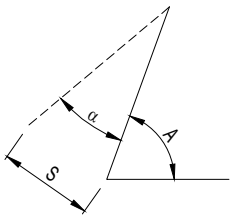
① 30KG/M²
② 35KG/M²
③ 40KG/M²
④ 45KG/M²
⑤ 50KG/M²
⑥ 55KG/M²
⑦ 60KG/M²



$$FMAX. = \frac{G \times H \times W \times \cos\left(A - \left(2 \times \sin^{-1}\left(\frac{S/2}{H}\right)\right)\right)}{2}$$

EIGENGEWICHT + SNEEUW
PROPRE POIDS ET NEIGE
SELF-WEIGHT AND SNOW
EIGENGEWICHT UND SCHNEE

G= GLASS WEIGHT + SNOWLOAD (N/M²)
H = HEIGHT ELEMENT (M)
W = WIDTH ELEMENT (M)
A = ANGLE OF INCLINATION (°)
S = SPINDLE / MOTOR STROKE (M)



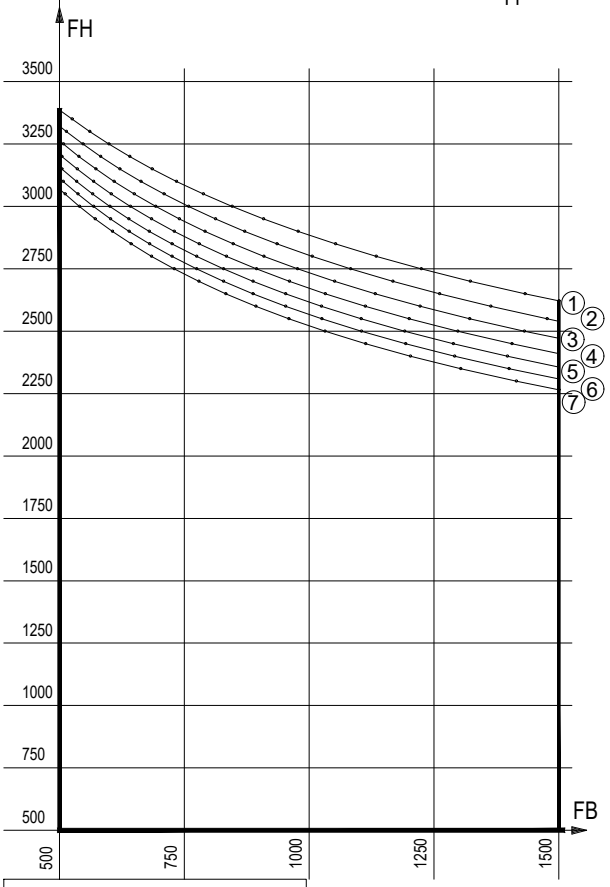
F

M2 BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

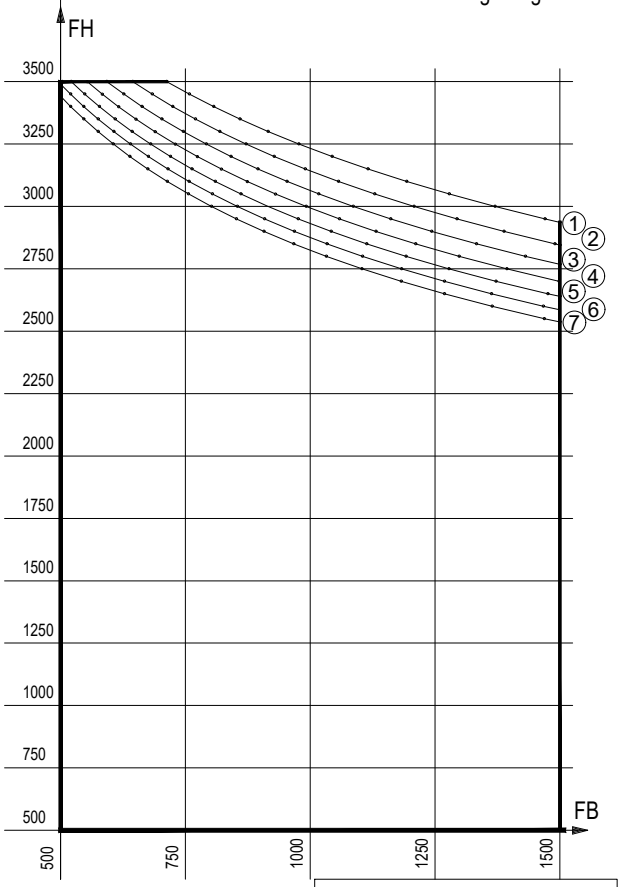
M1 MOTOR
MOTEUR
MOTOR
ANTRIEB

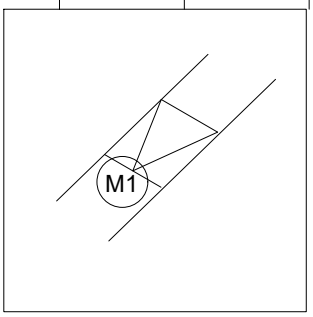
KEUZE KETTINGMOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE CHAIN MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL KETTENANTIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

maximum sizes deflection 4 mm 1 motor STD stepped

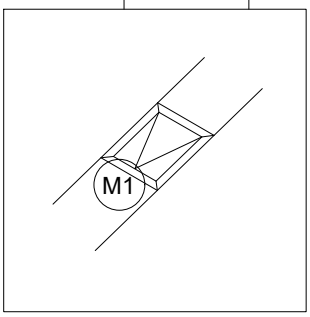


maximum sizes deflection 4 mm 1 motor STD glazing bead





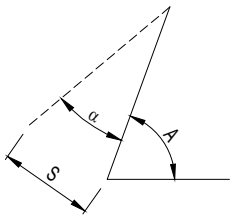
① 30KG/M²
② 35KG/M²
③ 40KG/M²
④ 45KG/M²
⑤ 50KG/M²
⑥ 55KG/M²
⑦ 60KG/M²



$$FMAX. = \frac{G \times H \times W \times \cos\left(A - \left(2 \times \sin^{-1}\left(\frac{S/2}{H}\right)\right)\right)}{2}$$

EIGENGEWICHT + SNEEUW
PROPRE POIDS ET NEIGE
SELF-WEIGHT AND SNOW
EIGENGEWICHT UND SCHNEE

G= GLASS WEIGHT + SNOWLOAD (N/M²)
H = HEIGHT ELEMENT (M)
W = WIDTH ELEMENT (M)
A = ANGLE OF INCLINATION (°)
S = SPINDLE / MOTOR STROKE (M)

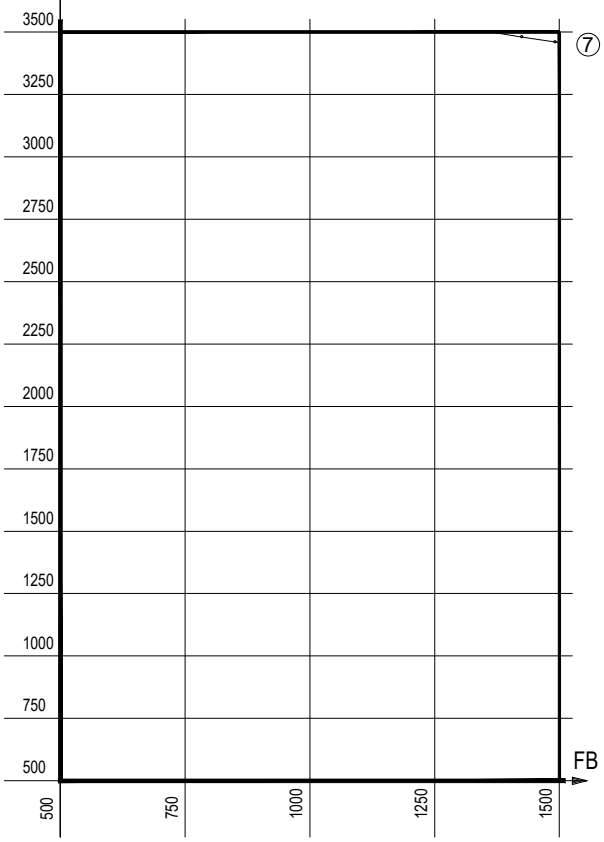


M2 BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

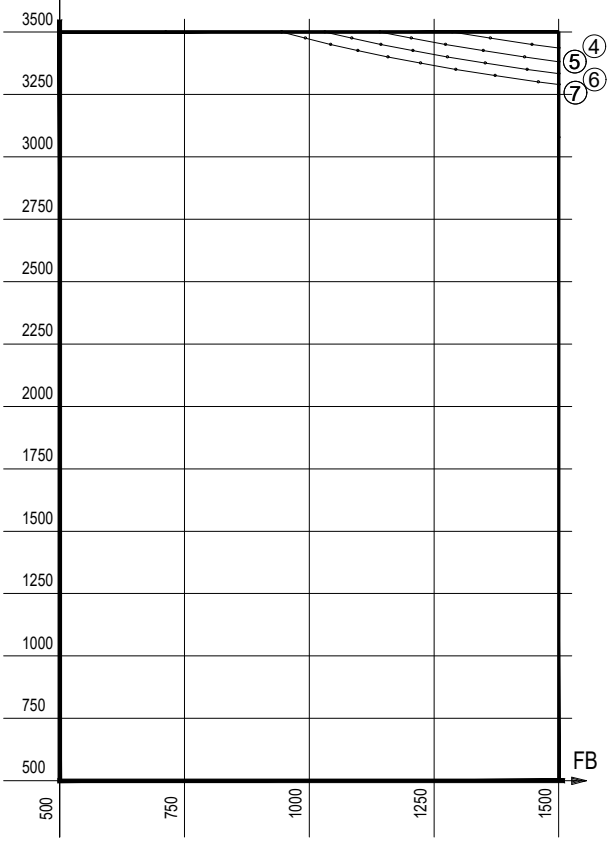
M1 MOTOR
MOTEUR
MOTOR
ANTRIEB

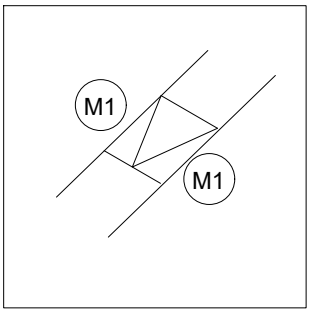
KEUZE KETTINGMOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE CHAIN MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL KETTENANTIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

maximum sizes deflection 4 mm 2 motors HI stepped

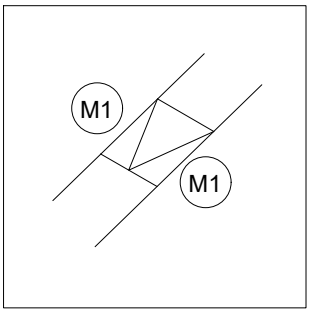


maximum sizes deflection 4 mm 2 motor STD stepped





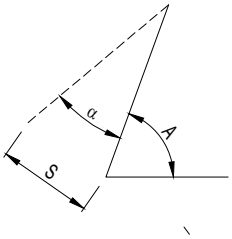
① 30KG/M²
② 35KG/M²
③ 40KG/M²
④ 45KG/M²
⑤ 50KG/M²
⑥ 55KG/M²
⑦ 60KG/M²

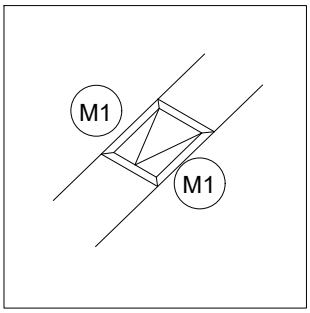


$$FMAX. = \frac{G \times H \times W \times COS(A - (2 \times \sin^{-1}(\frac{S/2}{H})))}{2}$$

EIGENGEWICHT + SNEEUW
PROPRE POIDS ET NEIGE
SELF-WEIGHT AND SNOW
EIGENGEWICHT UND SCHNEE

G= GLASS WEIGHT + SNOWLOAD (N/M²)
H = HEIGHT ELEMENT (M)
W = WIDTH ELEMENT (M)
A = ANGLE OF INCLINATION (°)
S = SPINDLE / MOTOR STROKE (M)





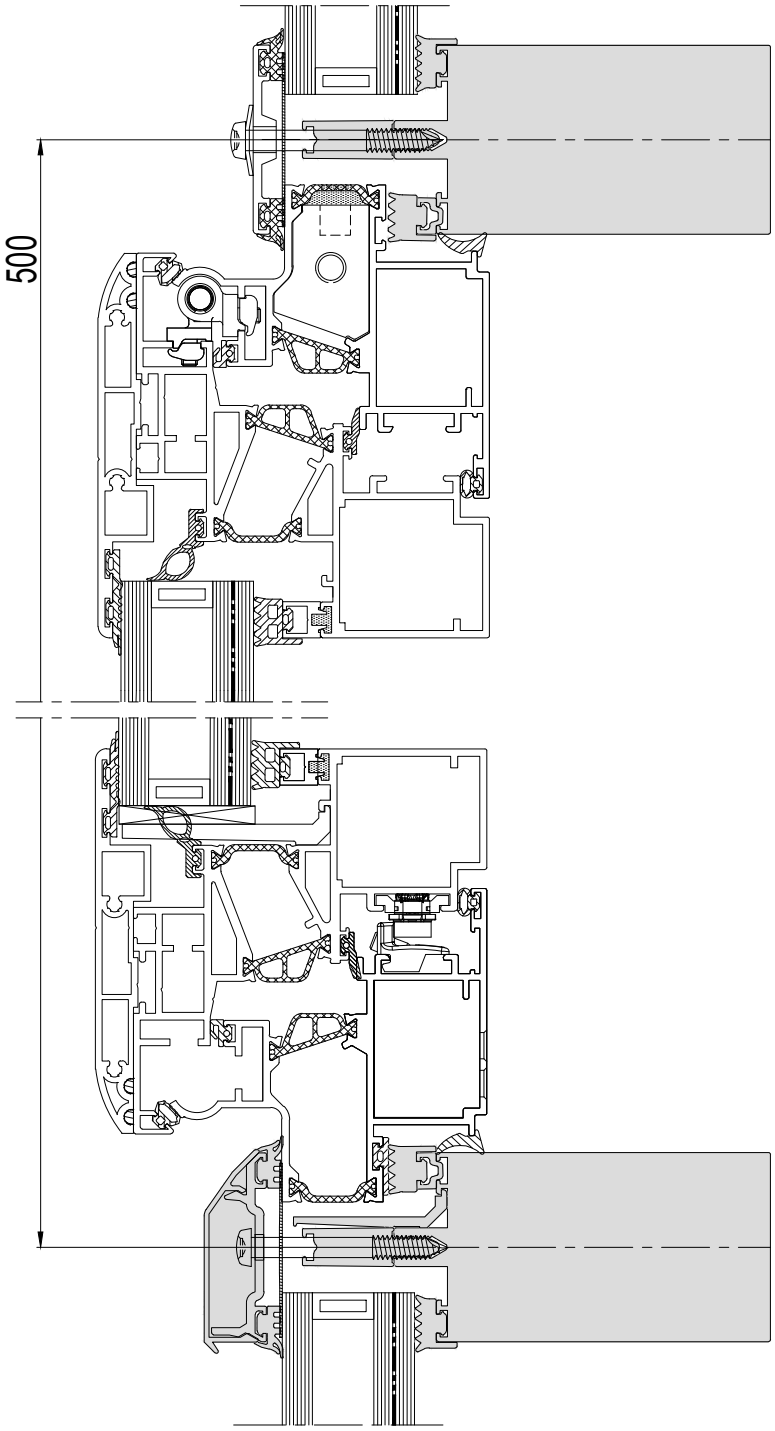
MAXIMALE AFMETING MOGELIJK MET GLASLAT
DIMENSION MAXIMALE POSSIBLE AVEC PARCLOSE
MAXIMUM DIMENSION POSSIBLE WITH GLAZING BEAD
MAXIMALE ABMESSUNG MÖGLICH MIT GLASLEISTE

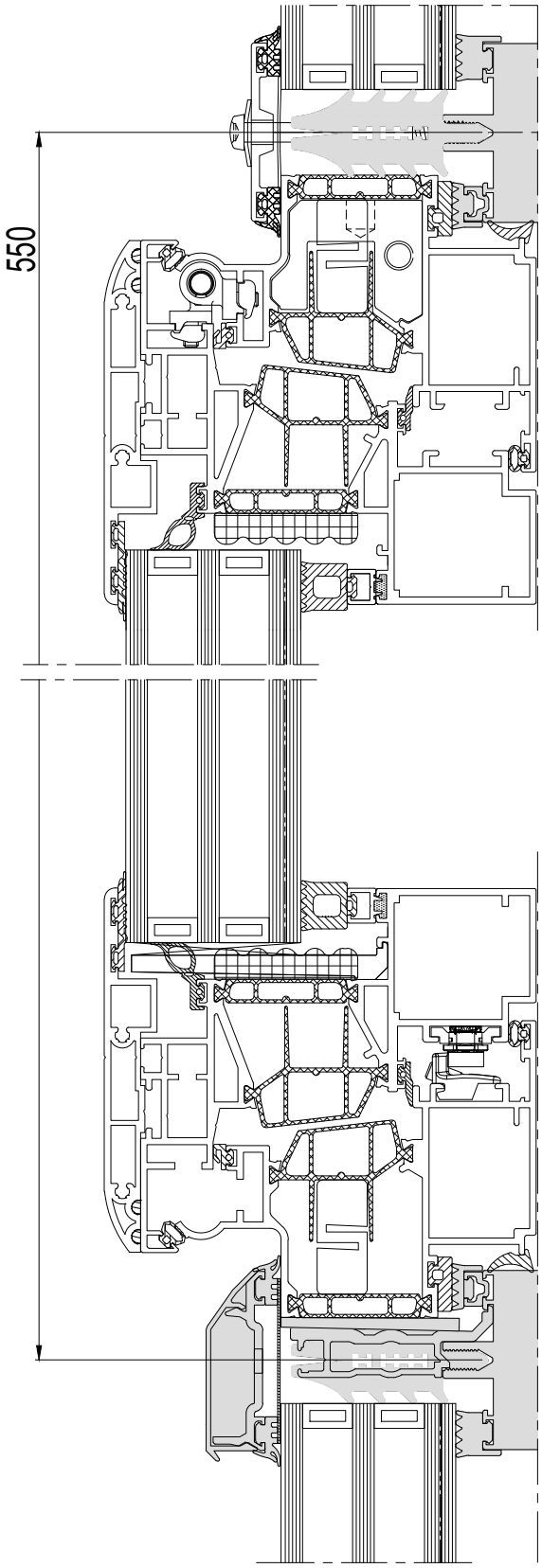
(M2) BEDIENINGSMOTOR SLUITPUNTEN
MOTEUR POUR LA COMANDE DES POINTS DE FERMETURE
LOCKING POINT OPERATING MOTOR
VERRIEGLUNGSANTRIEB

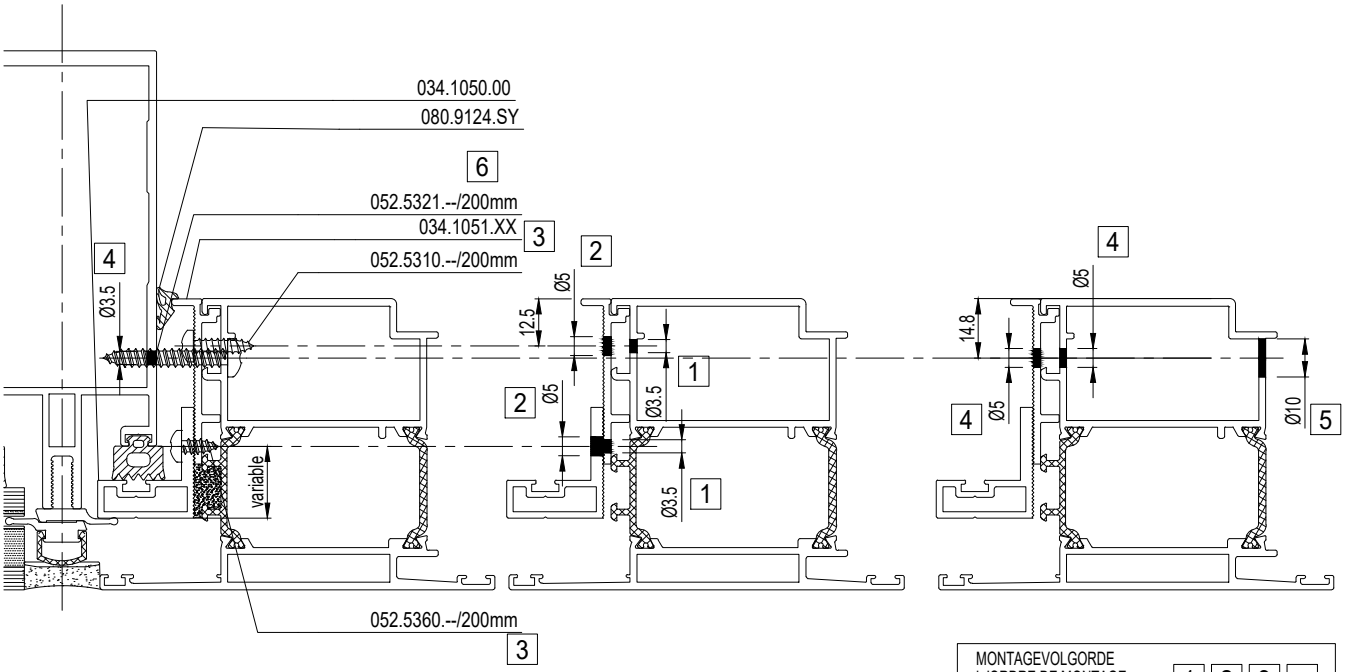
(M1) MOTOR
MOTEUR
MOTOR
ANTRIEB

KEUZE KETTINGMOTOR DAKRAAM EN BEVESTIGINGSSET: CONTACTEER D+H
CHOIX MOTEUR ELECTRICQUE ET SUPPORT: CONTACTEZ D+H
CHOICE CHAIN MOTOR AND BRACKET: PLEASE CONTACT D+H
AUSWAHL KETTENANTIEB DACHFENSTER UND KONSOLE: BITTE KONTAKTIEREN SIE D+H

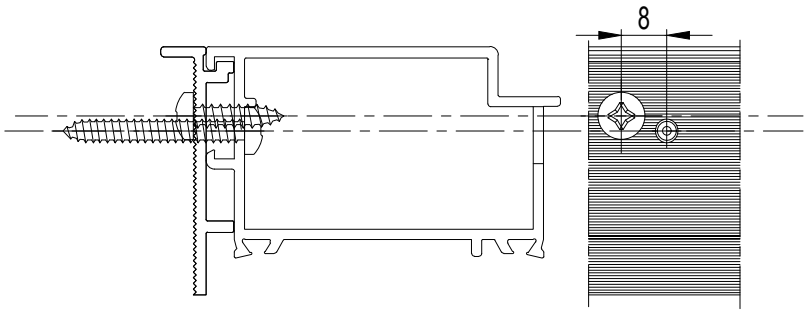
DAKRAAM: MIN.AFMETINGEN
TABATIERE: MIN.DIMENSION
ATTIC WINDOW: MIN.SIZE
DACHFENSTER: MIN.ABMESSUNG

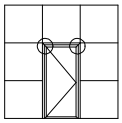


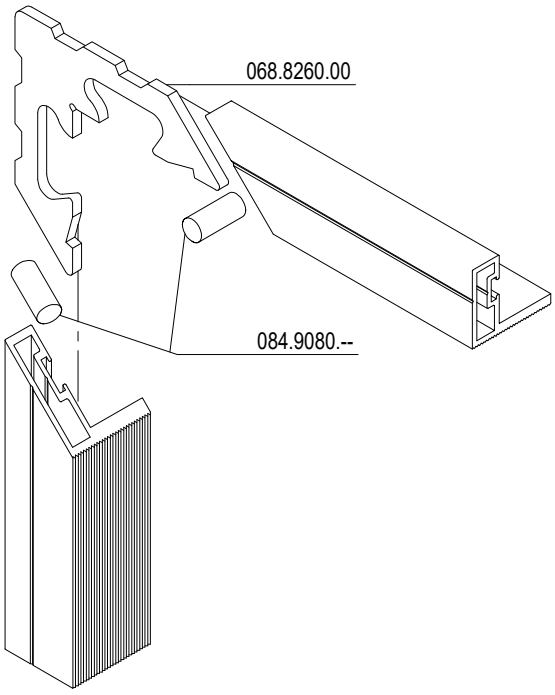




MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

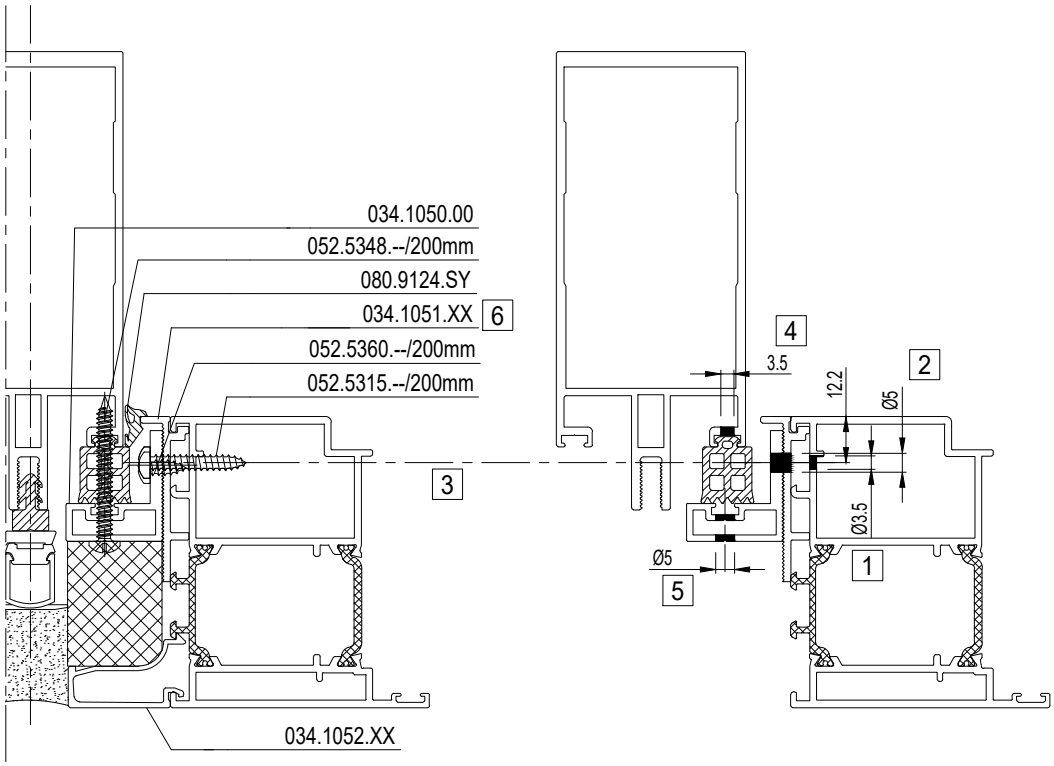




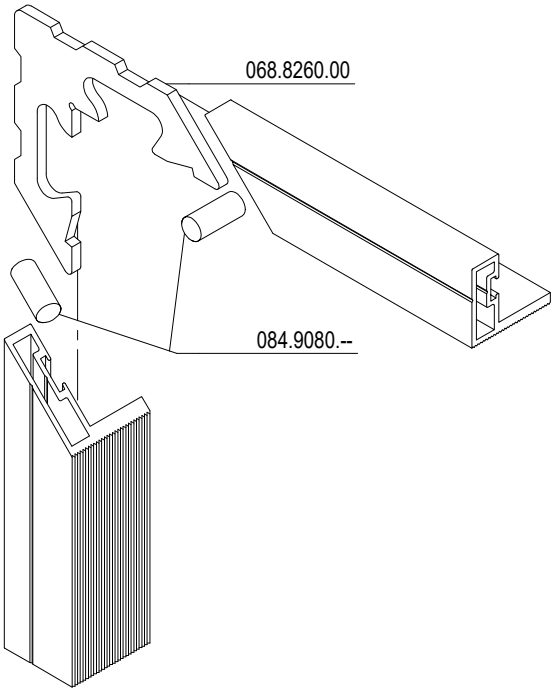


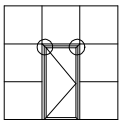
ETAG 002

schaal - échelle
scale - Maßstab
1/2



MONTAGEVOLGORDE L 'ORDRE DE MONTAGE THE ORDER OF ASSEMBLY MONTAGEREIHENFOLGE	1	2	3	.





ETAG 002

schaal - échelle
scale - Maßstab
1/2

F

BEGLAZINGSTABEL " SG BUITENDR. ELEM. "
TABLEAU DE VITRAGE " SG ELEM.OUVERTURE VERS L'EXT. "
GLAZING TABLE " SG OUTWARD OPEN. WINDOW "
VERGLASUNGSTABELLE " SG AUSSEN OEFF. ELEM. "

Reynaers Aluminium

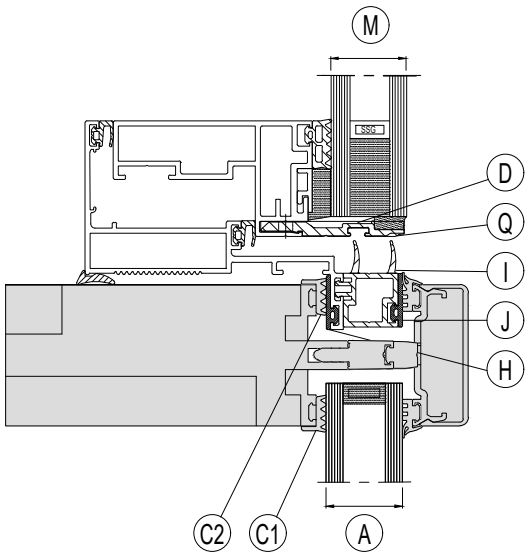
MAX. 120KG

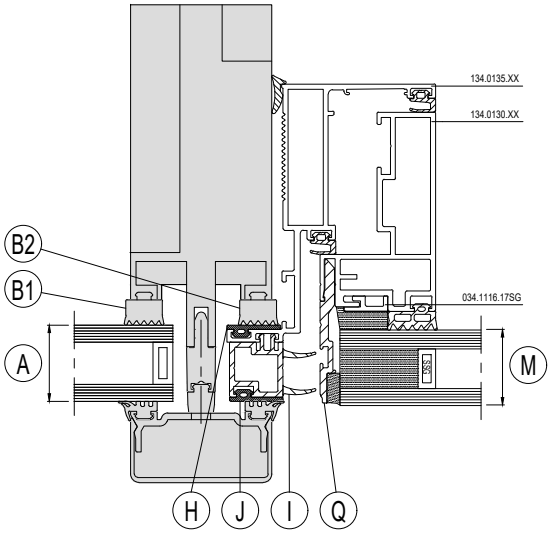
M	D	Q
24-29 mm	173.8541.C35	134.0300.04
30-35 mm	173.8542.C35	134.0301.04
36-41 mm	173.8543.C35	134.0302.04
41-50 mm		
51-55 mm	173.8545.C35	134.0303.04
56-62 mm	173.8546.C35	134.0304.04

MAX. 180KG

M	D	Q
24-29 mm	173.8531.C35	134.0300.04
30-35 mm	173.8532.C35	134.0301.04
36-41 mm	173.8533.C35	134.0302.04
41-50 mm		
51-55 mm	173.8535.C35	134.0303.04
56-62 mm	173.8536.C35	134.0304.04

A	B1	B2	C1	C2	H	I	J
24 mm	B1=B2	B1=B2	C1=C2	C1=C2		1340180.04	
25-26 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0180.04	**180.9805.04**
27 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	**134.0180.04**	**180.9805.04**
28 mm	B1=B2	B1=B2	C1=C2	C1=C2		**134.0180.04**	**180.9808.04**
29 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	**134.0180.04**	180.9808.04
30 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0180.04	180.9809.04
31 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0180.04	180.9809.04
32 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0180.04	**180.9808.04**
33 mm	080.9810.04	080.9871.04	080.9815.04	080.9876.04	180.9805.04	134.0180.04	180.9809.04
34 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9808.04	134.0180.04	**180.9809.04**
35 mm	080.9871.04	080.9810.04	080.9876.04	080.9815.04		134.0183.04	
36mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9809.04	134.0180.04	180.9809.04
37 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0183.04	
38 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0183.04	180.9805.04
39 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0183.04	
40 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0183.04	180.9805.04
41 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0183.04	180.9808.04
42-50 mm							
51-52 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0186.04	180.9805.04
53 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0186.04	180.9805.04
54 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0186.04	180.9808.04
55 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0186.04	180.9808.04
56 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0186.04	180.9809.04
57-58 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0186.04	180.9809.04
59 mm	080.9810.04	080.9871.04	080.9815.04	080.9876.04	180.9805.04	134.0186.04	180.9809.04
60 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9808.04	134.0186.04	180.9809.04
61 mm	080.9810.04	080.9812.04	080.9815.04	080.9817.04	180.9805.04	134.0186.04	180.9809.04
62 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9809.04	134.0186.04	180.9809.04





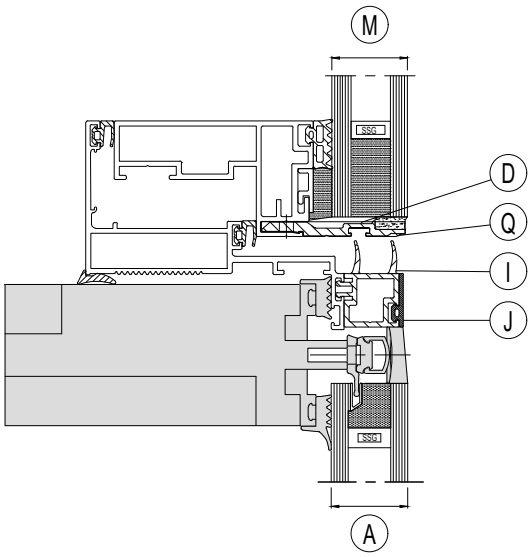
ETAG 002

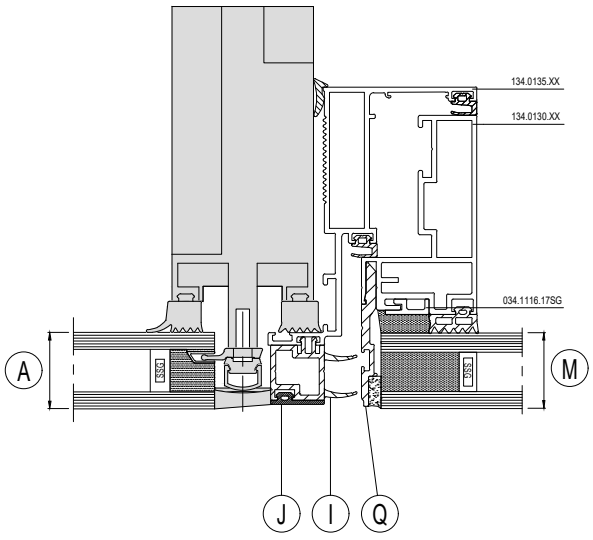
schaal - échelle
scale - Maßstab
1/2

F

BEGLAZINGSTABEL " SG BUITENDR. ELEM. "
TABLEAU DE VITRAGE " SG ELEM.OUVERTURE VERS L'EXT. "
GLAZING TABLE " SG OUTWARD OPEN. WINDOW "
VERGLASUNGSTABELLE " SG AUSSEN OEFF. ELEM. "

A	I	J
27 mm	134.0180.04	180.9805.04
28-29mm		180.9808.04
30-32 mm		180.9809.04
33-35 mm		
36-40 mm	134.0183.04	180.9805.04
41 mm		180.9808.04
42-50 mm		
51-53 mm	134.0186.04	180.9805.04
54-55 mm		180.9808.04
56-58 mm		180.9809.04





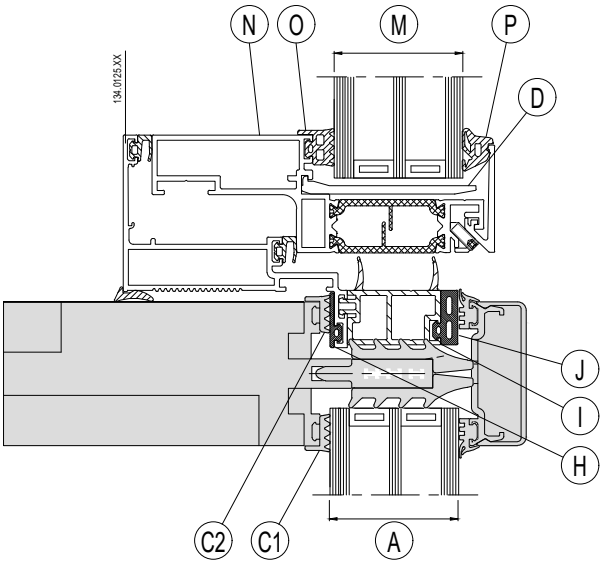
ETAG 002

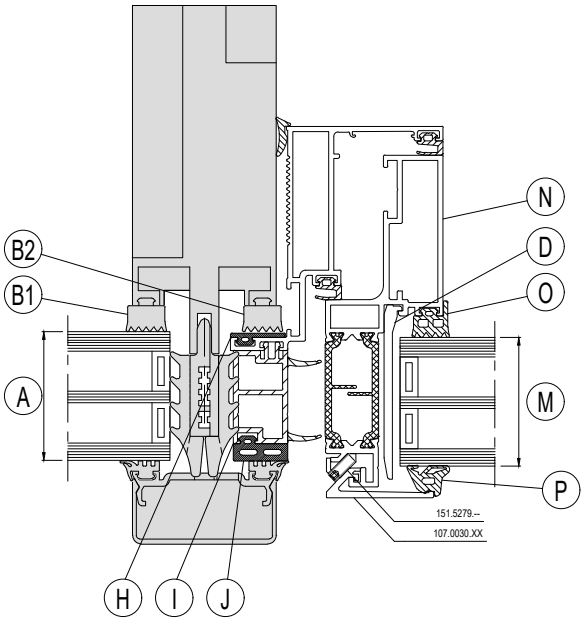
schaal - échelle
scale - Maßstab
1/2

F

BEGLAZINGSTABEL GLASLAT BUITENDR. ELEM.
TABLEAU DE VITRAGE PARCLOSE ELEM.OUVERTURE VERS L'EXT.
GLAZING TABLE GLAZING BEAD OUTWARD OPEN. WINDOW
VERGLASUNGSTABELLE AUSSEN OEFF. ELEM. MIT GLASLEISTEN

M	N	D	O	P
24 mm	134.2130.XX	073.8400.00	080.9812.04	080.9130.04
25 mm			080.9812.04	080.9128.04
26 mm			080.9871.04	080.9130.04
27 mm			080.9827.04	080.9130.04
28 mm			080.9810.04	080.9130.04
29 mm			080.9817.04	080.9130.04
30 mm			080.9817.04	080.9128.04
31 mm			080.9876.04	080.9130.04
32-33 mm			080.9876.04	080.9128.04
34 mm			080.9876.04	080.9126.04
35 mm			080.9817.04	080.9124.04
36mm			080.9815.SY	080.9126.04
37 mm			080.9876.04	080.9124.04
38 mm			080.9876.04	080.9123.04
39 mm			080.9815.SY	080.9124.04
40 mm	134.2135.XX	073.8402.00	080.9871.04	080.9130.04
41 mm			080.9827.04	080.9130.04
42 mm			080.9810.04	080.9130.04
43 mm			080.9817.04	080.9130.04
44 mm			080.9817.04	080.9128.04
45mm			080.9876.04	080.9130.04
46 -47mm			080.9876.04	080.9128.04
48 mm			080.9810.04	080.9124.04
49 mm			080.9817.04	080.9124.04
50 mm			080.9817.04	080.9123.04
51 mm			080.9876.04	080.9124.04
52 mm			080.9876.04	080.9123.04
53 mm	134.2140.XX	073.8401.00	080.9817.04	080.9130.04
54 mm			080.9817.04	080.9128.04
55 mm			080.9876.04	080.9130.04
56 mm			080.9817.04	080.9126.04
57 mm			080.9876.04	080.9128.04
58-59 mm			080.9876.04	080.9126.04
60 mm			080.9876.04	080.9125.04
61 mm			080.9876.04	080.9124.04
62 mm			080.9876.04	080.9123.04





F

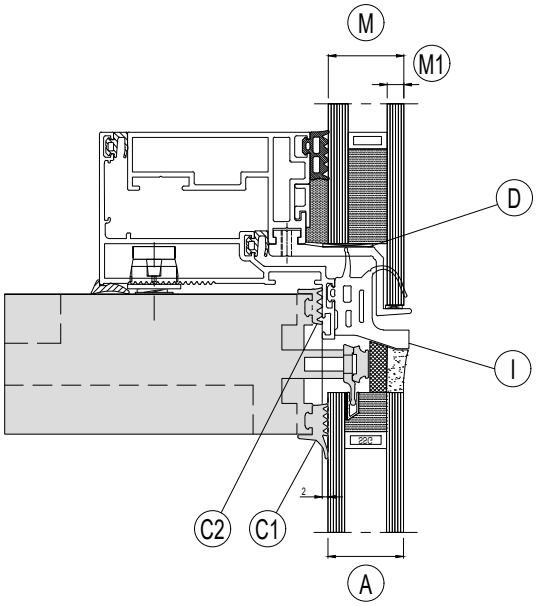
BEGLAZINGSTABEL GLASLAT BUITENDR. ELEM.
TABLEAU DE VITRAGE PARCLOSE ELEM.OUVERTURE VERS L'EXT.
GLAZING TABLE GLAZING BEAD OUTWARD OPEN. WINDOW
VERGLASUNGSTABELLE AUSSEN OEFF. ELEM. MIT GLASLEISTEN

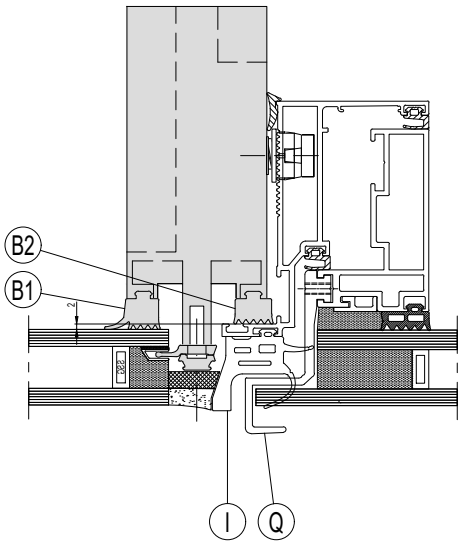
A	B1	B2	C1	C2	H	I	J
24 mm	B1=B2	B1=B2	C1=C2	C1=C2		1340180.04	
25-26 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0180.04	**180.9805.04**
27 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	**134.0180.04**	**180.9805.04**
28 mm	B1=B2	B1=B2	C1=C2	C1=C2		**134.0180.04**	**180.9808.04**
29 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	**134.0180.04**	180.9808.04
30 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0180.04	180.9809.04
31 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0180.04	180.9809.04
32 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9808.04	134.0180.04	**180.9808.04**
33 mm	080.9810.04	080.9871.04	080.9815.04	080.9876.04	180.9805.04	134.0180.04	180.9809.04
34 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9808.04	134.0180.04	**180.9809.04**
35 mm	080.9871.04	080.9810.04	080.9876.04	080.9815.04		134.0183.04	
36mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9809.04	134.0180.04	180.9809.04
37 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0183.04	
38-39 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0183.04	
40 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0183.04	180.9805.04
41 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0183.04	180.9808.04
42 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0183.04	180.9808.04
43 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0183.04	180.9809.04
44 -45mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0183.04	180.9809.04
46 mm	080.9810.04	080.9871.04	080.9815.04	080.9876.04	180.9805.04	134.0183.04	180.9809.04
47 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9808.04	134.0183.04	180.9809.04
48 mm	080.9871.04	080.9810.04	080.9876.04	080.9815.04		134.0186.04	
49 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9809.04	134.0183.04	180.9809.04
50 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0186.04	
51-52 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0186.04	
53 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0186.04	180.9805.04
54 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0186.04	180.9808.04
55 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0186.04	180.9808.04
56 mm	B1=B2	B1=B2	C1=C2	C1=C2		134.0186.04	180.9809.04
57-58 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9805.04	134.0186.04	180.9809.04
59 mm	080.9810.04	080.9871.04	080.9815.04	080.9876.04	180.9805.04	134.0186.04	180.9809.04
60 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9808.04	134.0186.04	180.9809.04
61 mm	080.9810.04	080.9812.04	080.9815.04	080.9817.04	180.9805.04	134.0186.04	180.9809.04
62 mm	B1=B2	B1=B2	C1=C2	C1=C2	180.9809.04	134.0186.04	180.9809.04

BEGLAZINGSTABEL SGS BUITENDR. ELEM.
TABLEAU DE VITRAGE SGS ELEM.OUVERTURE VERS L'EXT.
GLAZING TABLE SGS OUTWARD OPEN. WINDOW
VERGLASUNGSTABELLE SGS AUSSEN OEFF. ELEM.

M	M1 =6mm			M1 =33.2mm		
	D	Q	I	D	Q	I
27-29 mm	173.8511.C35	173.8571.C35	180.9322.04	173.8511.C35	173.8571.C35	180.9322.04
30-32 mm	173.8512.C35	173.8573.C35	180.9322.04	173.8512.C35	173.8573.C35	180.9322.04
33-36 mm	173.8513.C35	173.8573.C35	180.9322.04	173.8513.C35	173.8573.C35	180.9322.04
37-47mm						
48-51 mm	173.8514.C35	173.8574.C35	180.9325.04	173.8514.C35	173.8574.C35	180.9325.04
52-58 mm	173.8516.C35	173.8576.C35	180.9326.04	173.8516.C35	173.8576.C35	180.9326.04
59 mm	173.8516.C35	173.8576.C35	180.9326.04			

M	M1 =8mm			M1 =44.2mm		
	D	Q	I	D	Q	I
29-31 mm	173.8511.C35	173.8571.C35	180.9322.04	173.8511.C35	173.8571.C35	180.9322.04
32 mm	173.8512.C35	173.8573.C35	180.9322.04	173.8512.C35	173.8573.C35	180.9322.04
33-36 mm	173.8513.C35	173.8573.C35	180.9322.04	173.8513.C35	173.8573.C35	180.9322.04
37-49mm						
50-53 mm	173.8514.C35	173.8574.C35	180.9325.04	173.8514.C35	173.8574.C35	180.9325.04
54-59 mm	173.8516.C35	173.8576.C35	180.9326.04	173.8516.C35	173.8576.C35	180.9326.04





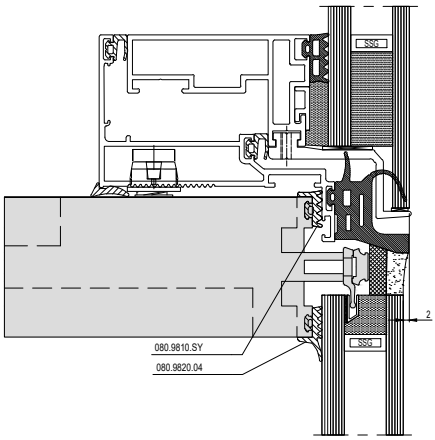
ETAG 002

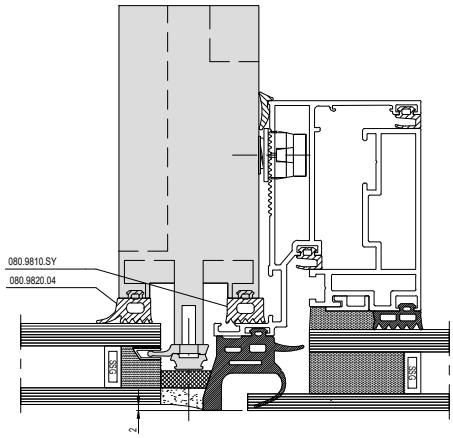
schaal - échelle
scale - Maßstab
1/2

BEGLAZINGSTABEL SGS BUITENDR. ELEM.
TABLEAU DE VITRAGE SGS ELEM.OUVERTURE VERS L'EXT.
GLAZING TABLE SGS OUTWARD OPEN. WINDOW
VERGLASUNGSTABELLE SGS AUSSEN OEFF. ELEM.

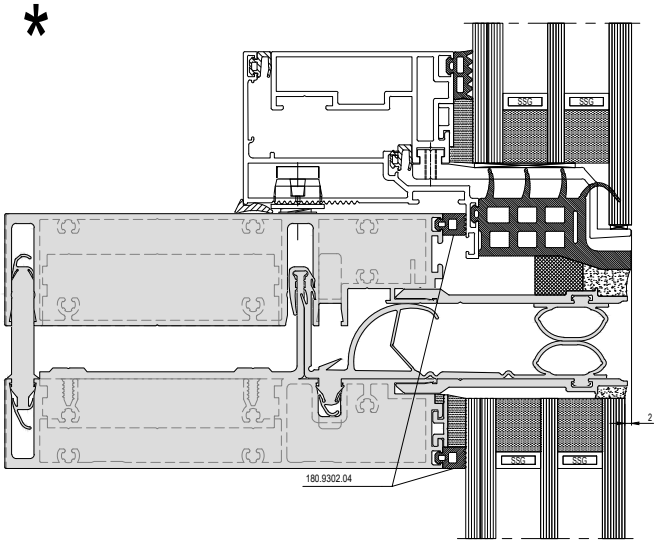
B1	C1	B2	C2
080.9820.04	080.9825.04	080.9810.SY	080.9815.SY *
080.9821.04	080.9826.04	080.9810.SY	080.9815.SY
080.9819.04	080.9818.04	080.9871.04	080.9816.04
180.9302.04	180.9302.04	180.9302.04	180.9302.04 *

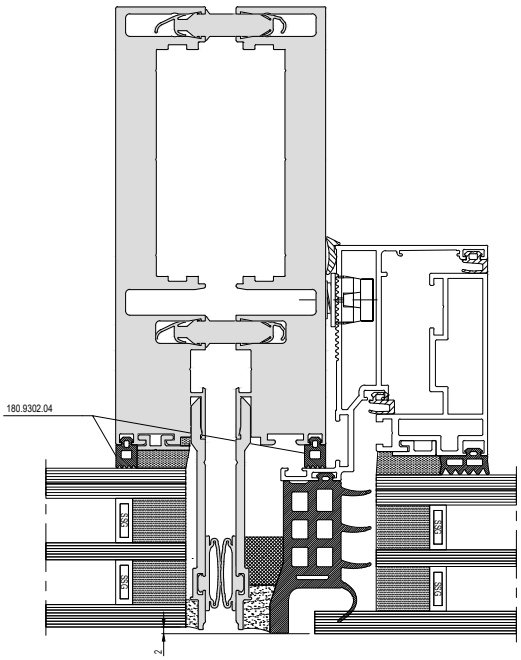
*





*



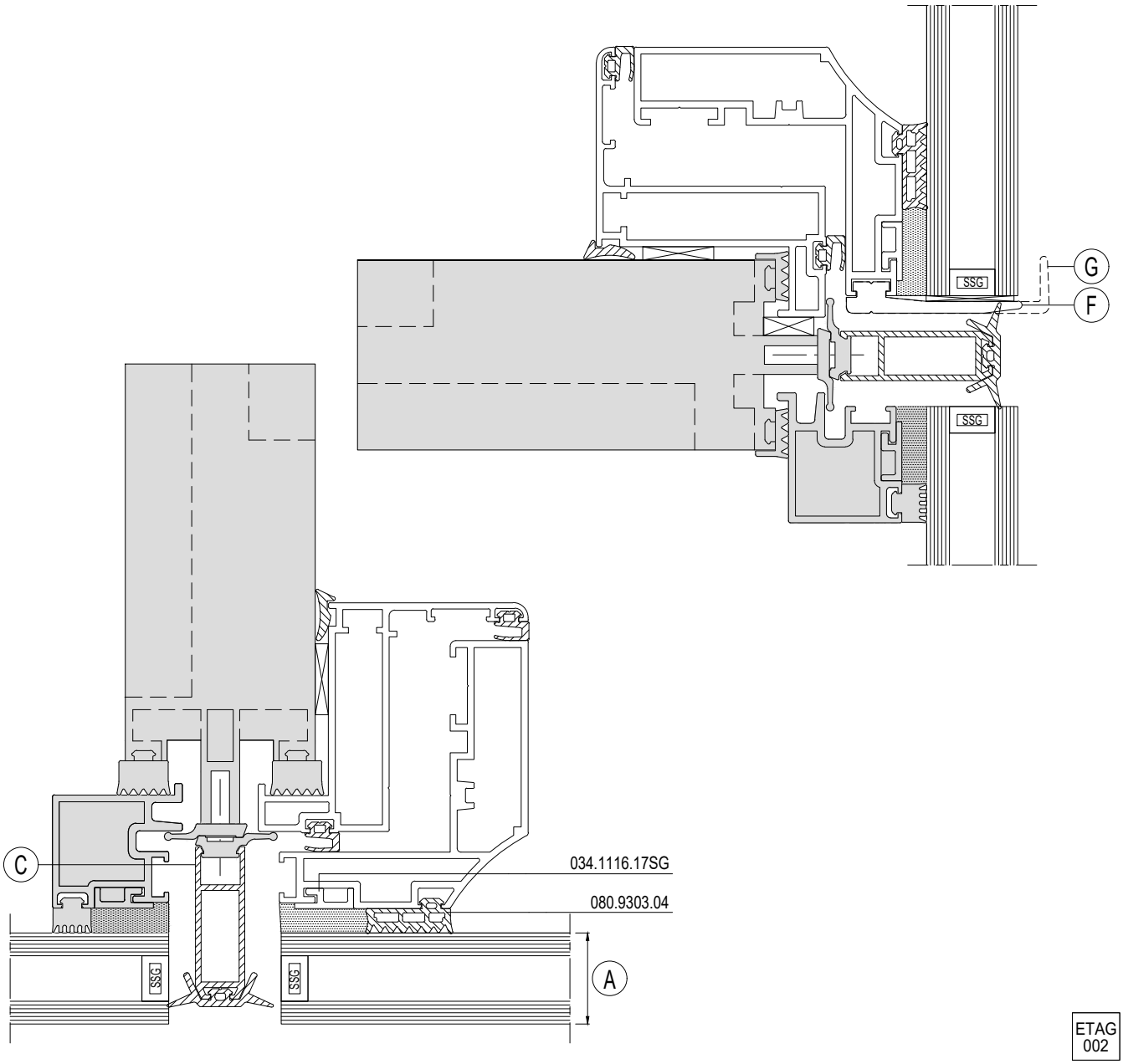


ETAG
002

schaal - échelle
scale - Maßstab
1/2

F

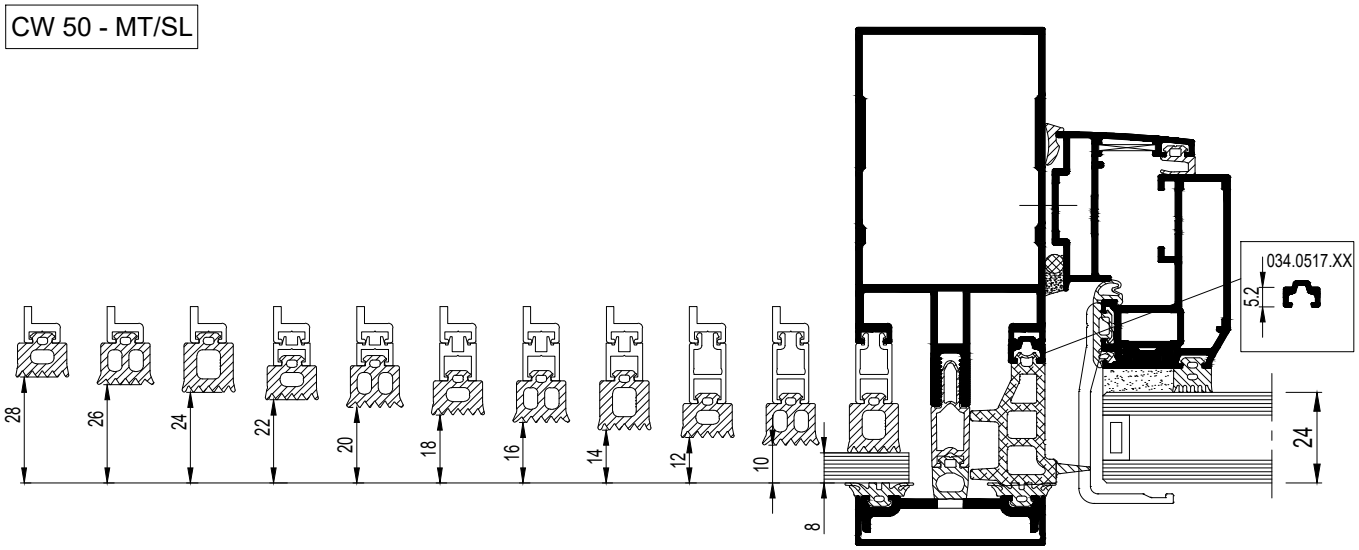
A	C	F	G
24mm	034.0170.04	073.7290.39	073.7280.39
25mm	034.0170.04	073.7290.39	073.7280.39
26mm	034.0170.04	073.7290.39	073.7280.39
27mm	034.0170.04	073.7290.39	073.7280.39
28mm	034.0170.04	073.7291.39	073.7282.39
29mm	034.0170.04	073.7291.39	073.7282.39
30mm	034.0170.04	073.7291.39	073.7282.39
31mm	034.0170.04	073.7291.39	073.7282.39
32mm	034.0171.04	073.7291.39	073.7282.39
33mm	034.0171.04	073.7292.39	073.7282.39
34mm	034.0171.04	073.7292.39	073.7282.39
35mm	034.0171.04	073.7292.39	073.7284.39
36mm	034.0171.04	073.7292.39	073.7284.39

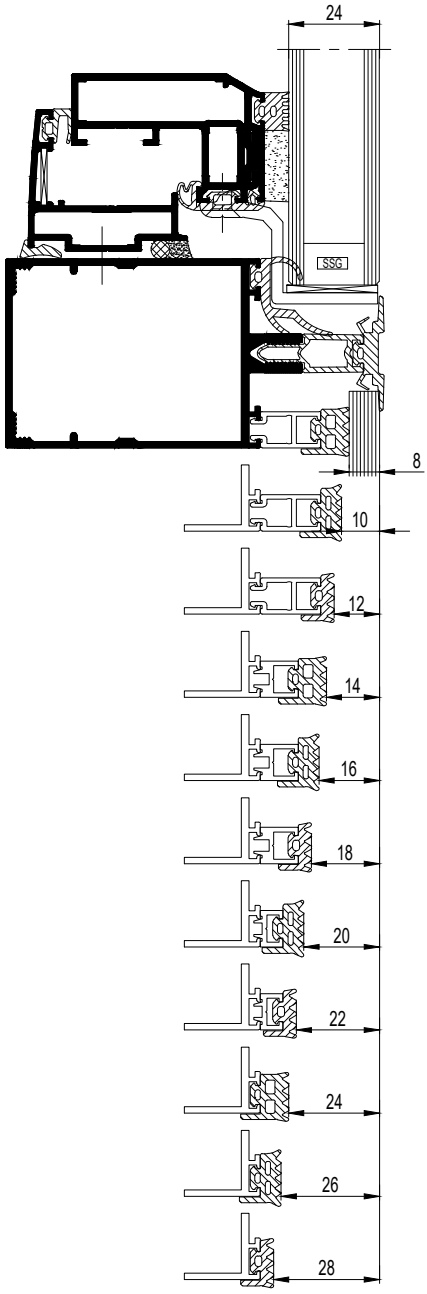


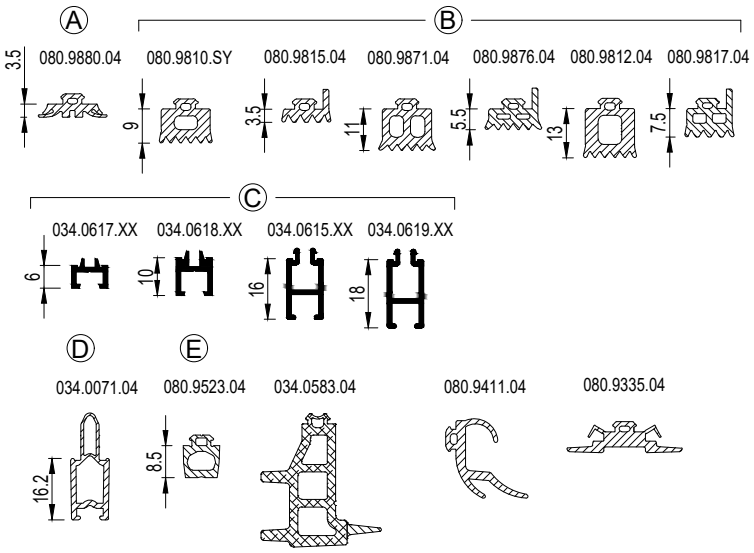
ETAG 002

F

CW 50 - MT/SL





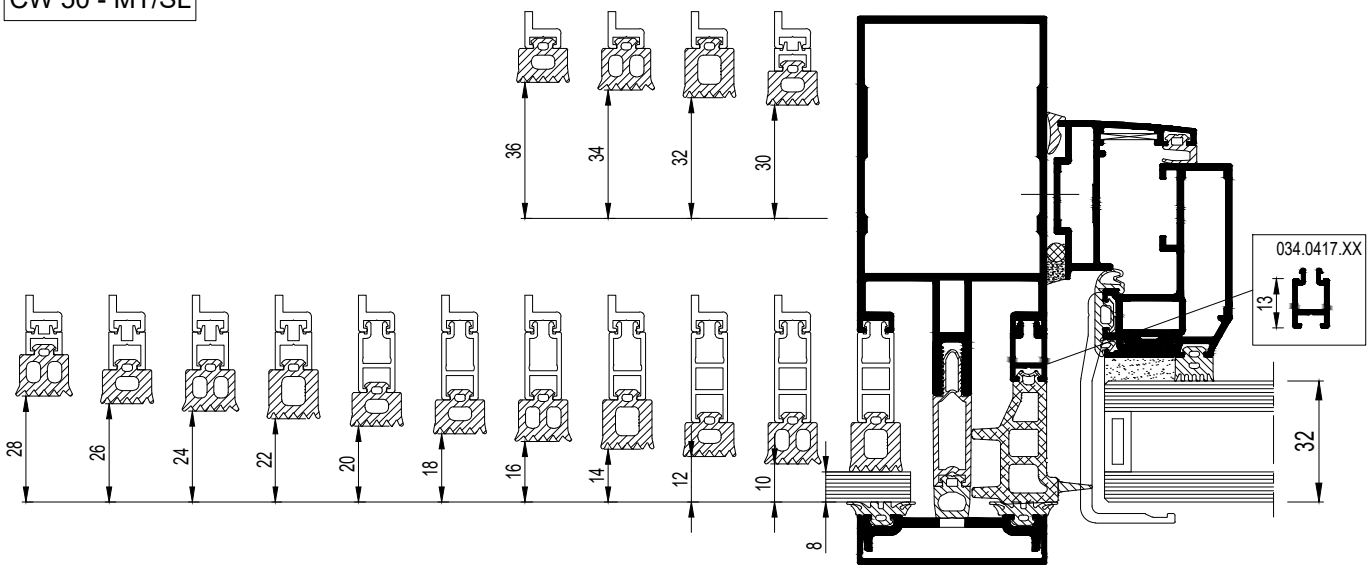


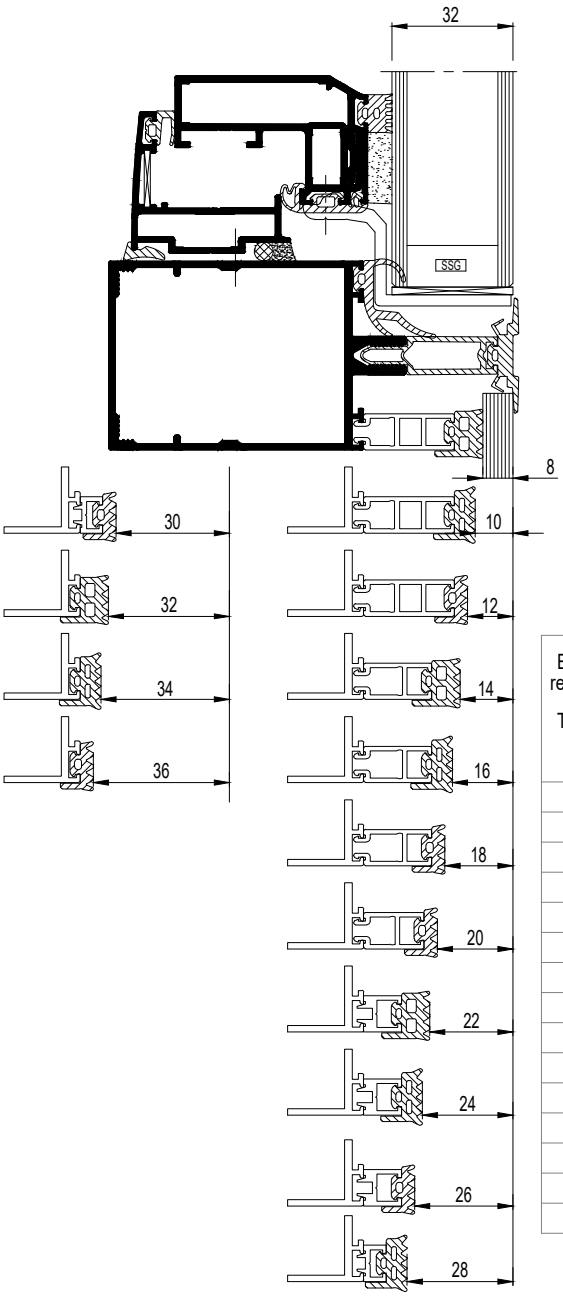
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket Serreur Pressure plate Ⓐ	 Traverse/Montant Transom/sus. prof Ⓑ	Réducteur Reducer Traverse/Montant Transom/sus. prof Ⓒ	Isolateur Insulation profile Traverse/Montant Transom/sus. prof Ⓓ	Elargisseur Extension Traverse/Montant Transom/sus. prof Ⓔ
8 - 9	080.9880.SY	080.9817.04/080.9812.04	034.0615.XX	034.0071.04	080.9523.04
10 - 11		080.9876.04/080.9871.04			
12 - 13		080.9815.04/080.9810.SY			
14 - 15		080.9817.04/080.9812.04	034.0618.XX		
16 - 17		080.9876.04/080.9871.04			
18 - 19		080.9815.04/080.9810.SY			
20 - 21		080.9815.04/080.9810.SY	034.0617.XX		
22 - 23		080.9817.04/080.9812.04			
24 - 25		080.9876.04/080.9871.04			
26 - 27		080.9815.04/080.9810.SY			
28 - 29		080.9876.04/080.9871.04			

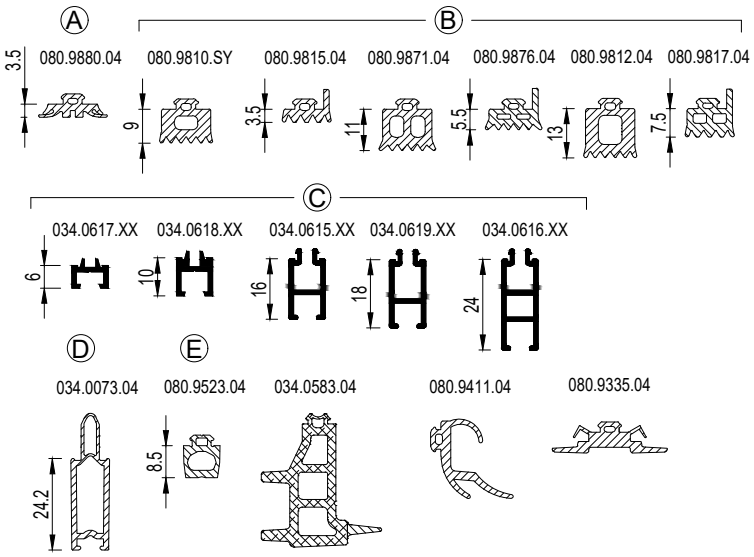
ETAG 002

schaal - échelle
scale - Maßstab
1/2

CW 50 - MT/SL







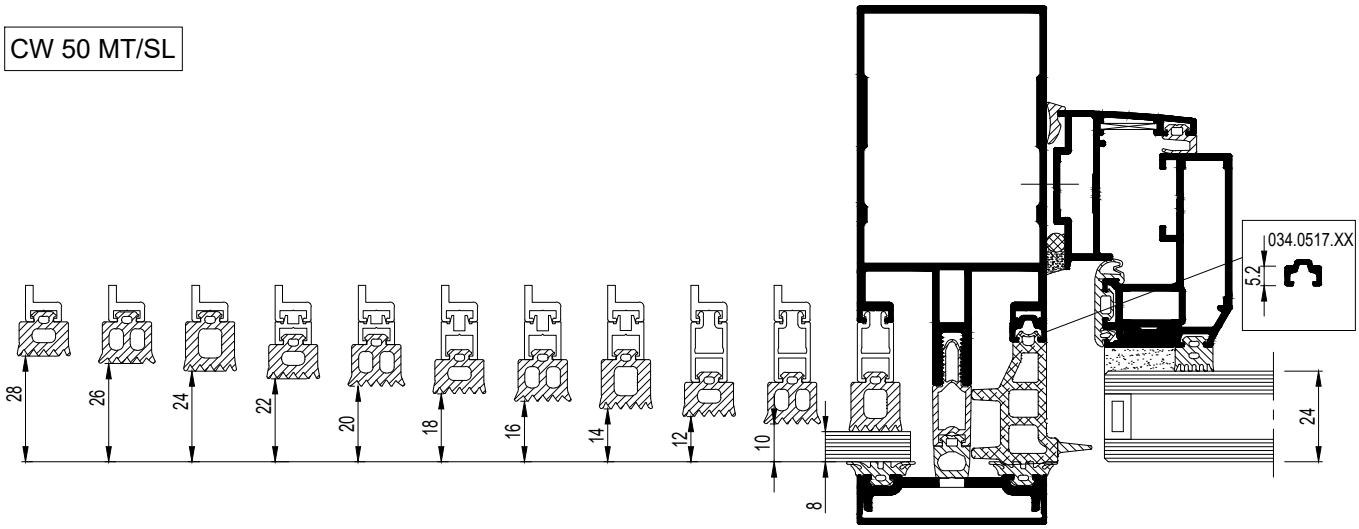
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
8 - 9	080.9880.SY	080.9817.04/080.9812.04	034.0616.XX	034.0073.04	080.9523.04
10 - 11		080.9876.04/080.9871.04			
12 - 13		080.9815.04/080.9810.SY			
14 - 15		080.9817.04/080.9812.04	034.0619.XX		
16 - 17		080.9876.04/080.9871.04			
18 - 19		080.9815.04/080.9810.SY			
20 - 21		080.9815.04/080.9810.SY	034.0615.XX		
22 - 23		080.9817.04/080.9812.04	034.0618.XX		
24 - 25		080.9876.04/080.9871.04			
26 - 27		080.9815.04/080.9810.SY			
28 - 29		080.9876.04/080.9871.04	034.0617.XX		
30 - 31		080.9815.04/080.9810.SY			
32 - 33		080.9817.04/080.9812.04			
34 - 35		080.9876.04/080.9871.04			
36 - 37		080.9815.04/080.9810.SY			

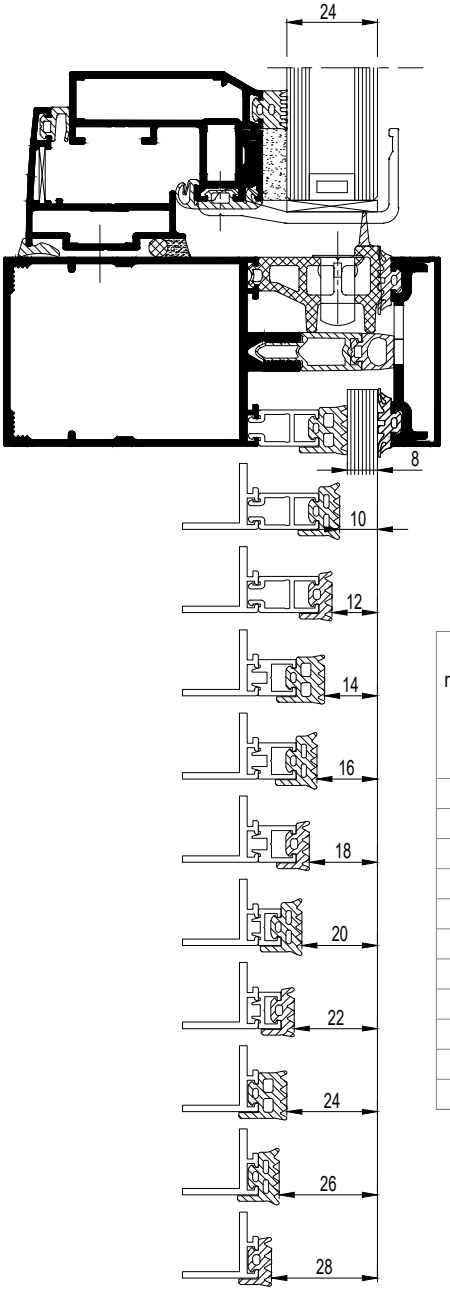
ETAG 002

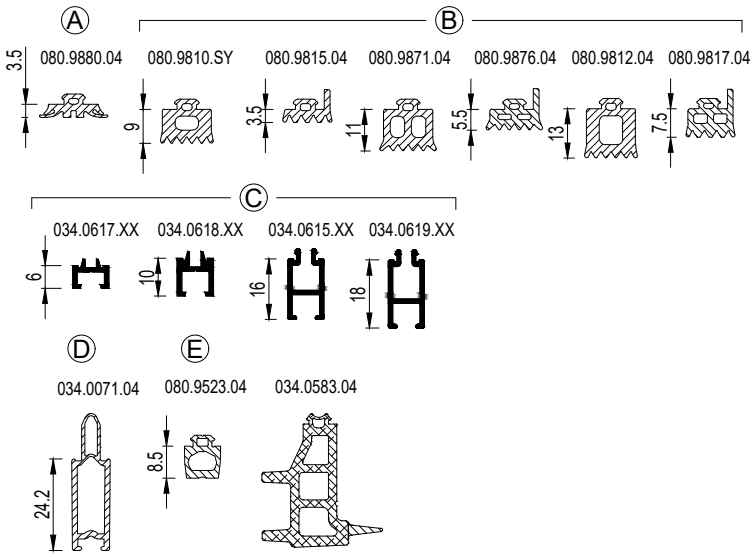
schaal - échelle
scale - Maßstab
1/2

F

CW 50 MT/SL



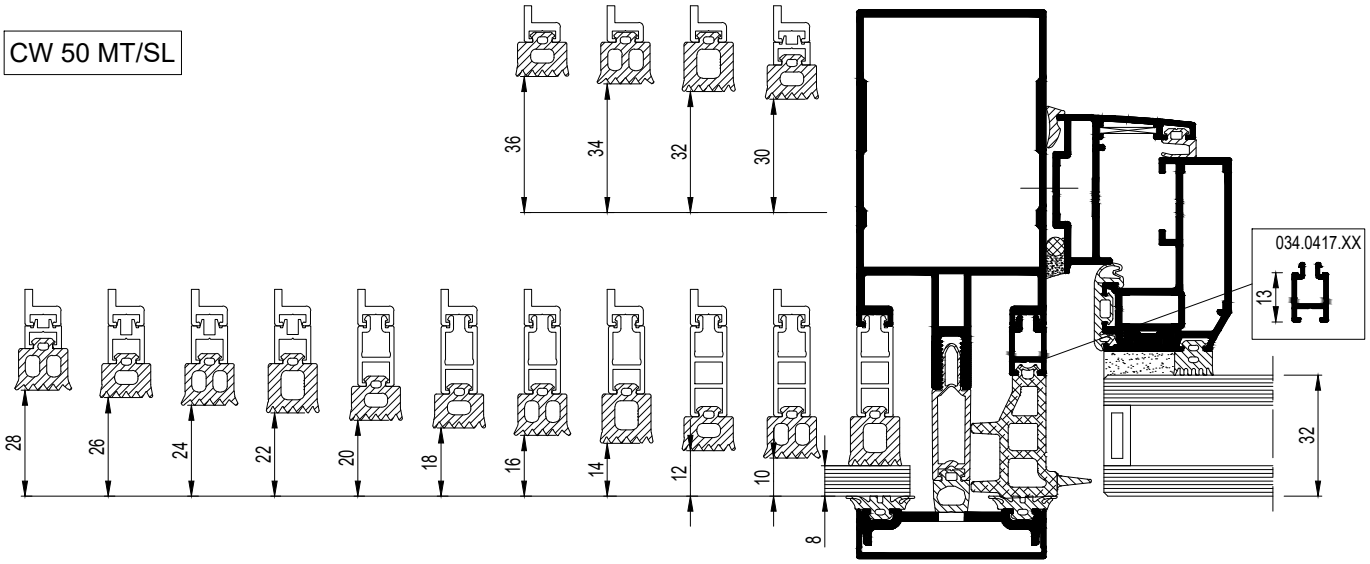


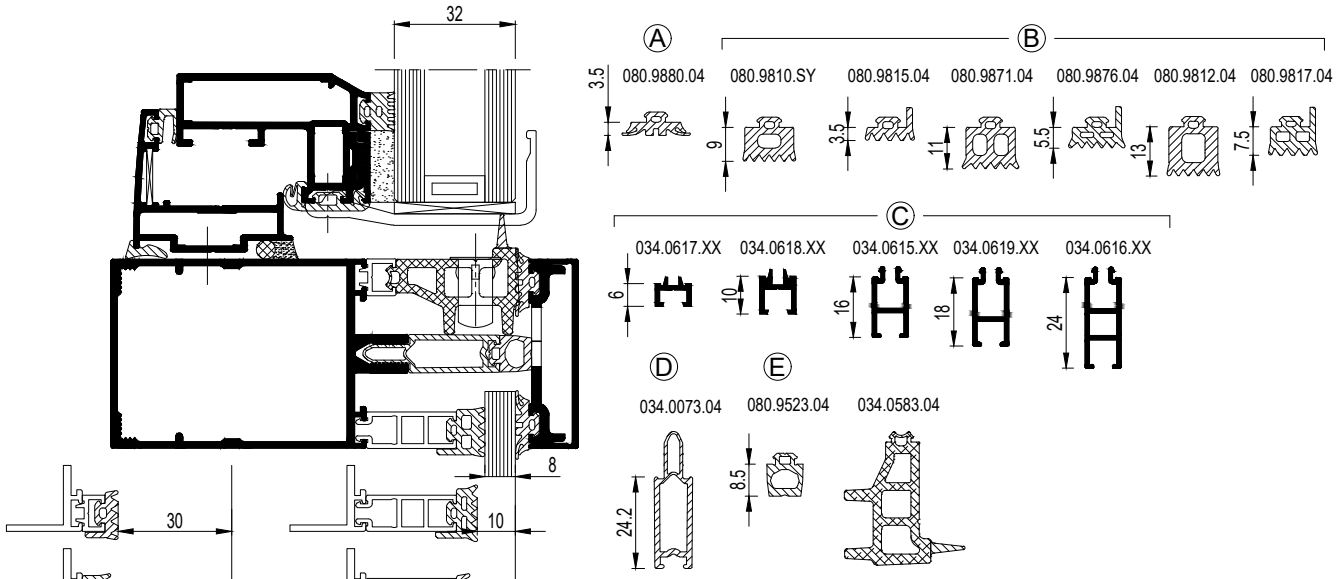


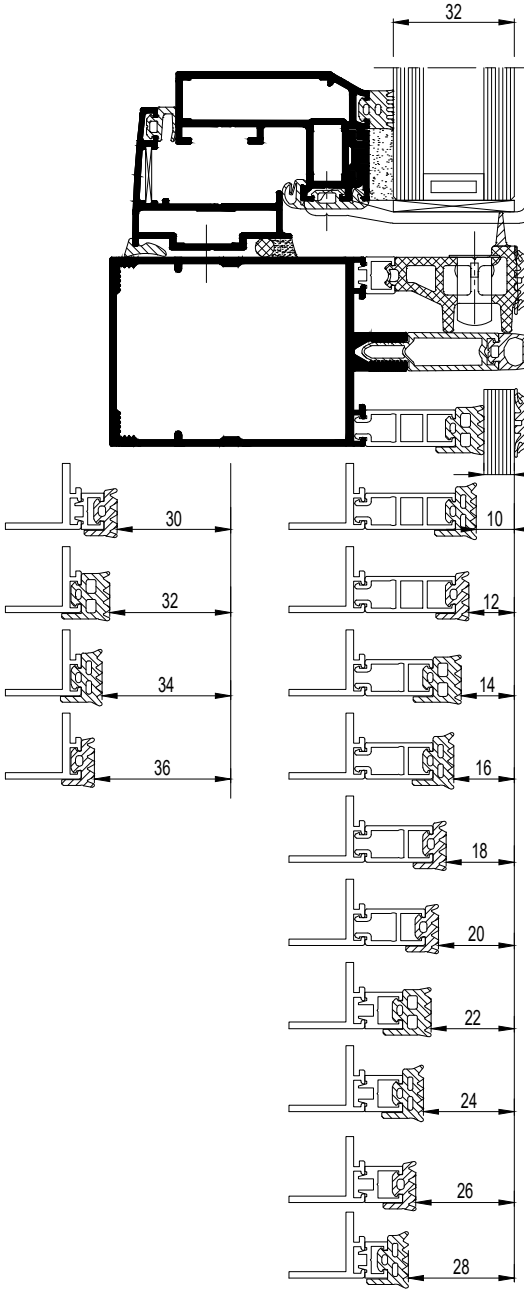
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
8 - 9	080.9880.SY	080.9817.04/080.9812.04	034.0615.XX	034.0071.04	080.9523.04
10 - 11		080.9876.04/080.9871.04			
12 - 13		080.9815.04/080.9810.SY			
14 - 15		080.9817.04/080.9812.04	034.0618.XX		
16 - 17		080.9876.04/080.9871.04			
18 - 19		080.9815.04/080.9810.SY			
20 - 21		080.9815.04/080.9810.SY	034.0618.XX		
22 - 23		080.9817.04/080.9812.04			
24 - 25		080.9876.04/080.9871.04			
26 - 27		080.9815.04/080.9810.SY			
28 - 29		080.9876.04/080.9871.04			

ETAG 002

CW 50 MT/SL





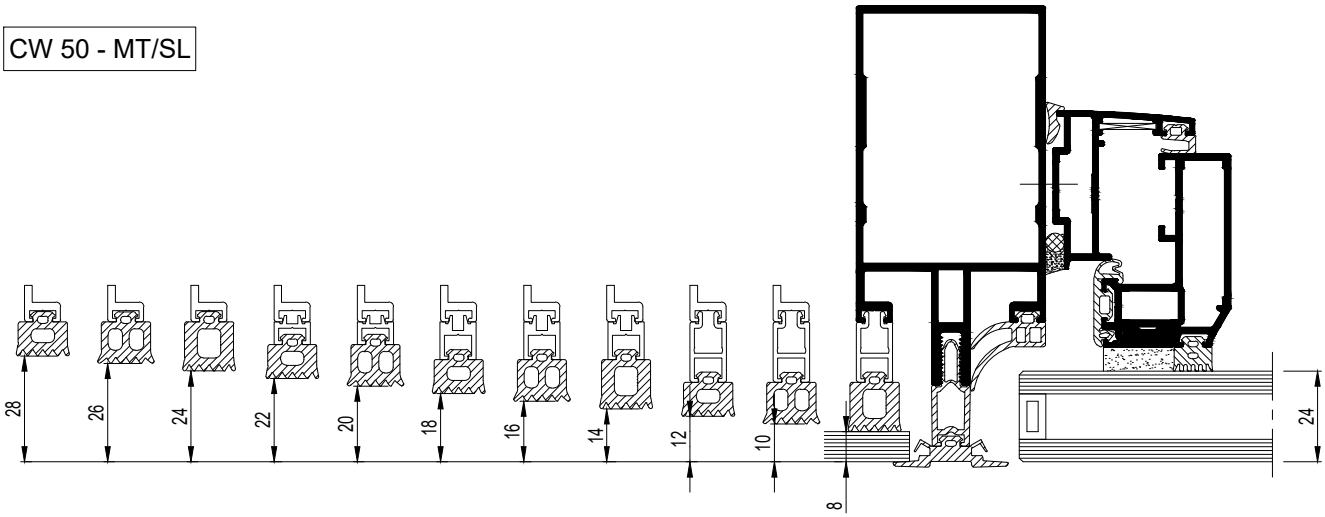


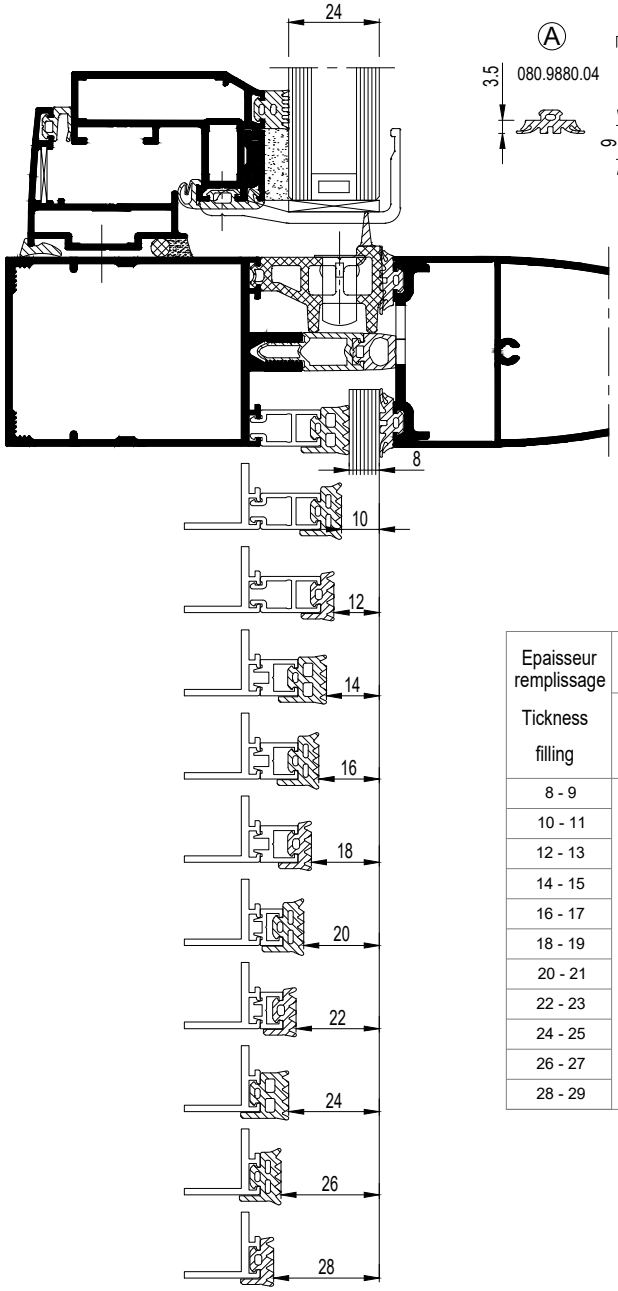
Epaisseur remplissage	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
Tickness filling	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
8 - 9	080.9880.SY	080.9817.04/080.9812.04	034.0616.XX	034.0073.04	080.9523.04
10 - 11		080.9876.04/080.9871.04			
12 - 13		080.9815.04/080.9810.SY			
14 - 15		080.9817.04/080.9812.04	034.0619.XX		
16 - 17		080.9876.04/080.9871.04			
18 - 19		080.9815.04/080.9810.SY			
20 - 21		080.9815.04/080.9810.SY	034.0615.XX		
22 - 23		080.9817.04/080.9812.04	034.0618.XX		
24 - 25		080.9876.04/080.9871.04			
26 - 27		080.9815.04/080.9810.SY			
28 - 29		080.9876.04/080.9871.04	034.0617.XX		
30 - 31		080.9815.04/080.9810.SY			
32 - 33		080.9817.04/080.9812.04			
34 - 35		080.9876.04/080.9871.04			
36 - 37		080.9815.04/080.9810.SY			

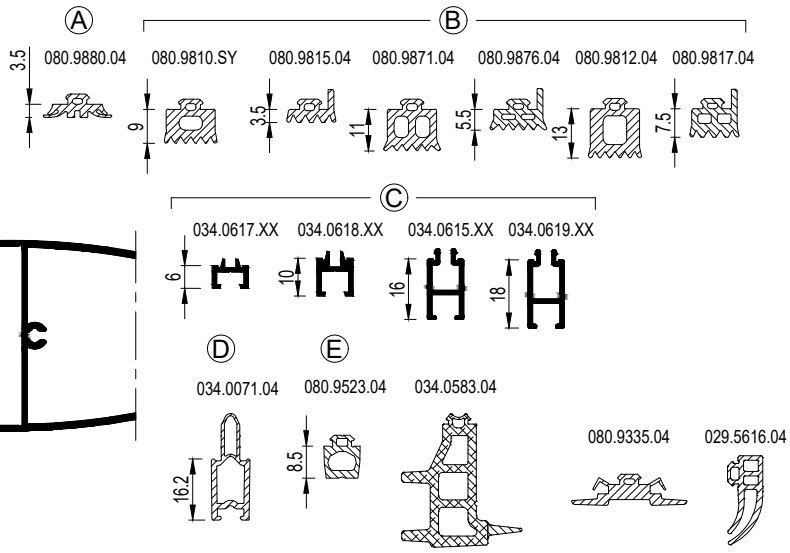
ETAG 002

F

CW 50 - MT/SL





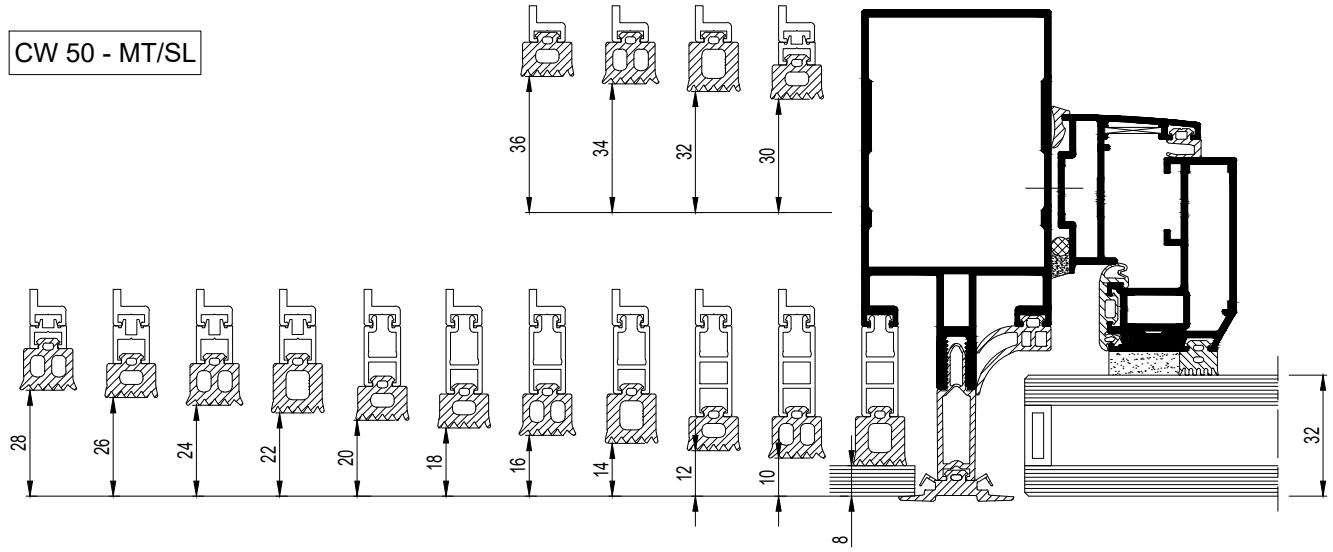


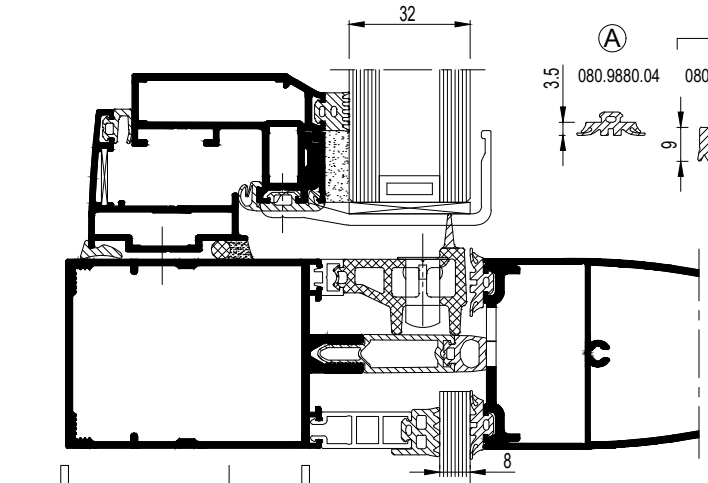
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
8 - 9	080.9880.SY	080.9817.04/080.9812.04	034.0615.XX	034.0071.04	080.9523.04
10 - 11		080.9876.04/080.9871.04			
12 - 13		080.9815.04/080.9810.SY			
14 - 15		080.9817.04/080.9812.04	034.0618.XX		
16 - 17		080.9876.04/080.9871.04			
18 - 19		080.9815.04/080.9810.SY			
20 - 21		080.9815.04/080.9810.SY	034.0617.XX		
22 - 23		080.9817.04/080.9812.04			
24 - 25		080.9876.04/080.9871.04			
26 - 27		080.9815.04/080.9810.SY			
28 - 29		080.9876.04/080.9871.04			

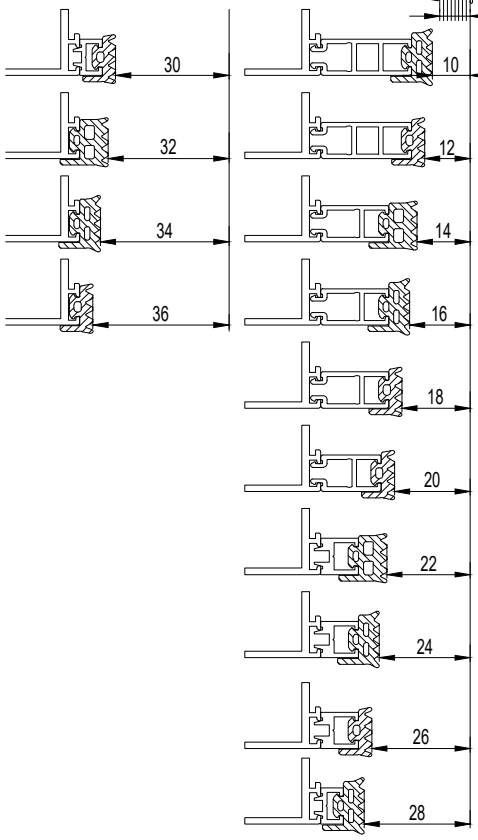
ETAG 002

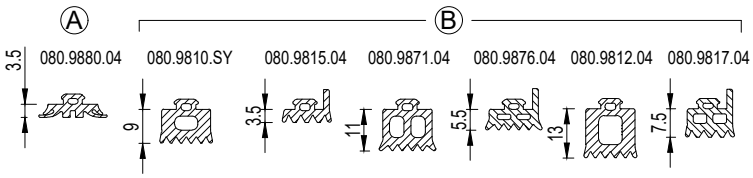
schaal - échelle
scale - Maßstab
1/2

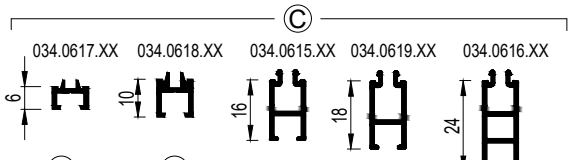
CW 50 - MT/SL

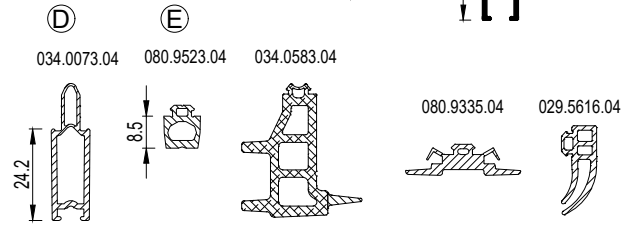












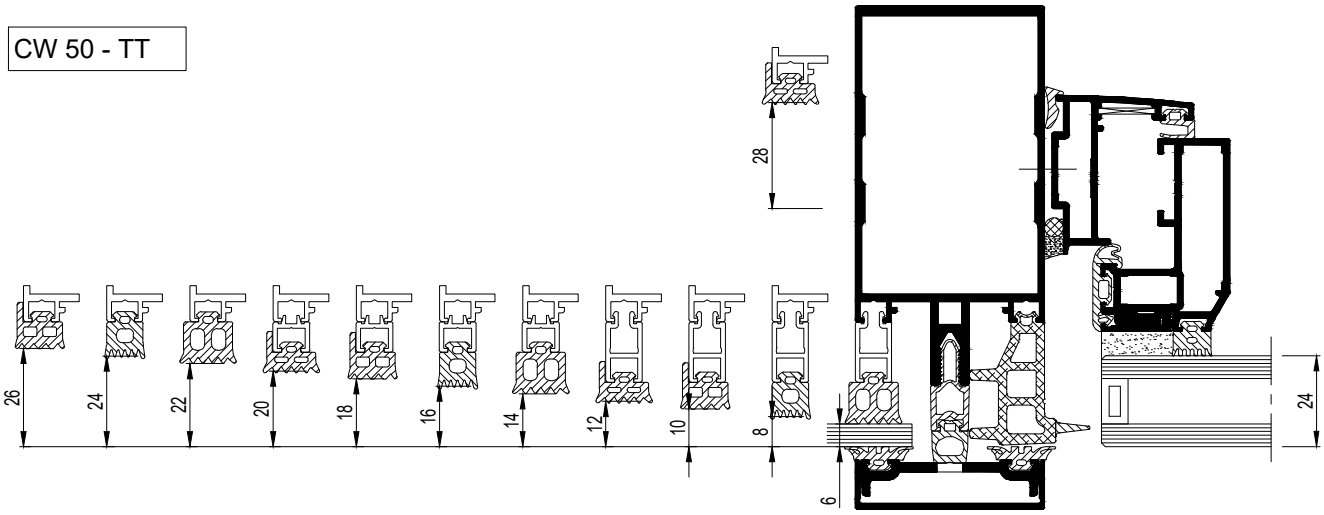
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
8 - 9	080.9880.SY	080.9817.04/080.9812.04	034.0616.XX	034.0073.04	080.9523.04
10 - 11		080.9876.04/080.9871.04			
12 - 13		080.9815.04/080.9810.SY			
14 - 15		080.9817.04/080.9812.04	034.0619.XX		
16 - 17		080.9876.04/080.9871.04			
18 - 19		080.9815.04/080.9810.SY			
20 - 21		080.9815.04/080.9810.SY	034.0615.XX		
22 - 23		080.9817.04/080.9812.04	034.0618.XX		
24 - 25		080.9876.04/080.9871.04			
26 - 27		080.9815.04/080.9810.SY			
28 - 29		080.9876.04/080.9871.04	034.0617.XX		
30 - 31		080.9815.04/080.9810.SY			
32 - 33		080.9817.04/080.9812.04			
34 - 35		080.9876.04/080.9871.04			
36 - 37		080.9815.04/080.9810.SY			

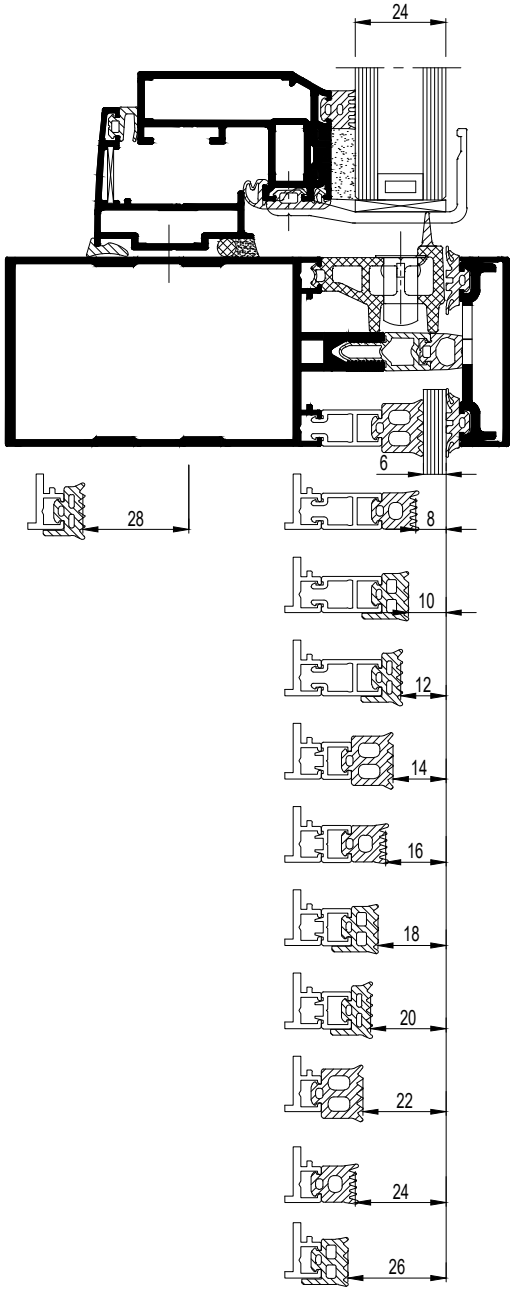
ETAG 002

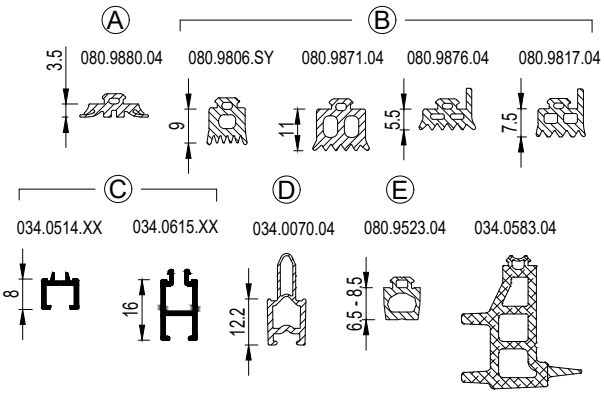
schaal - échelle
scale - Maßstab
1/2

F

CW 50 - TT







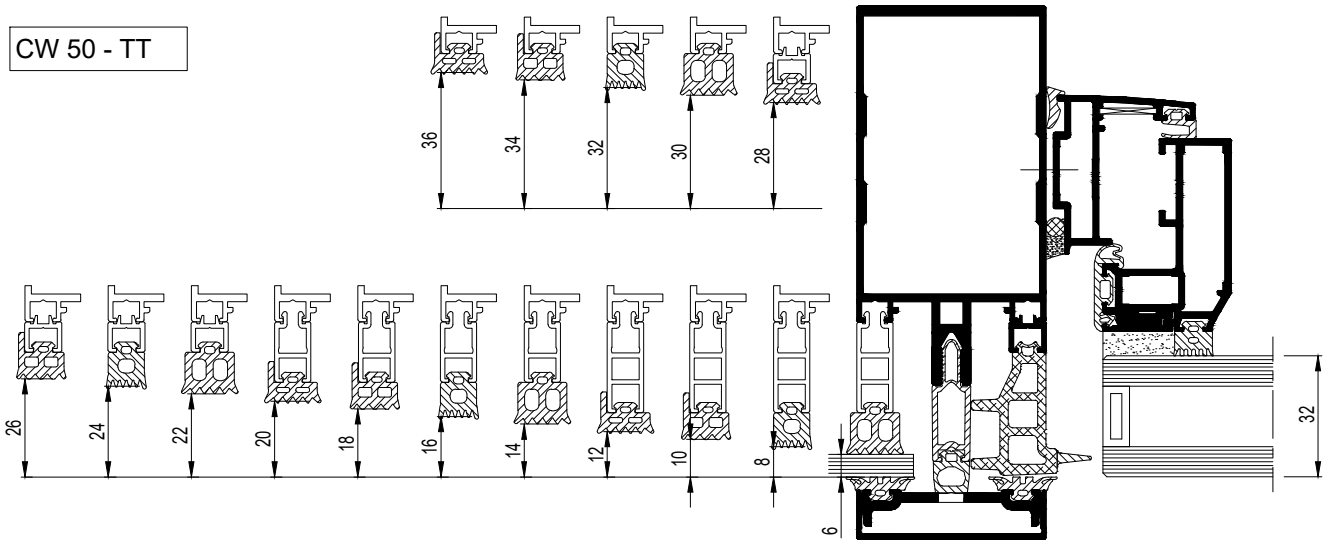
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0615.XX	034.0070.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0514.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04			
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			

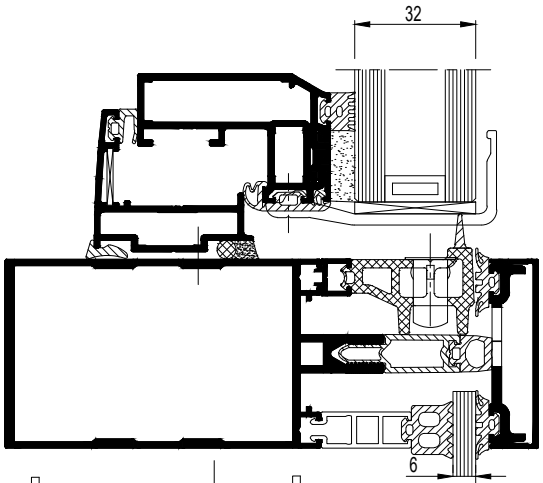
ETAG 002

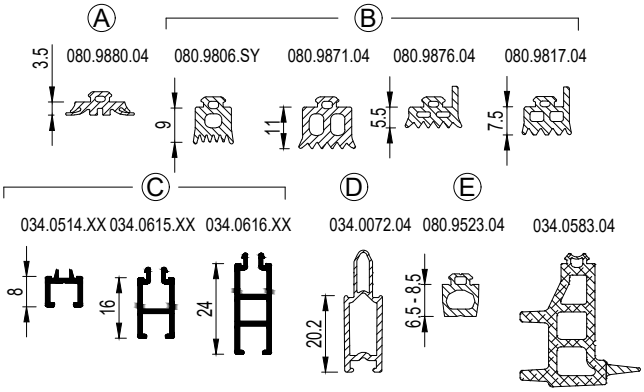
schaal - échelle
scale - Maßstab
1/2

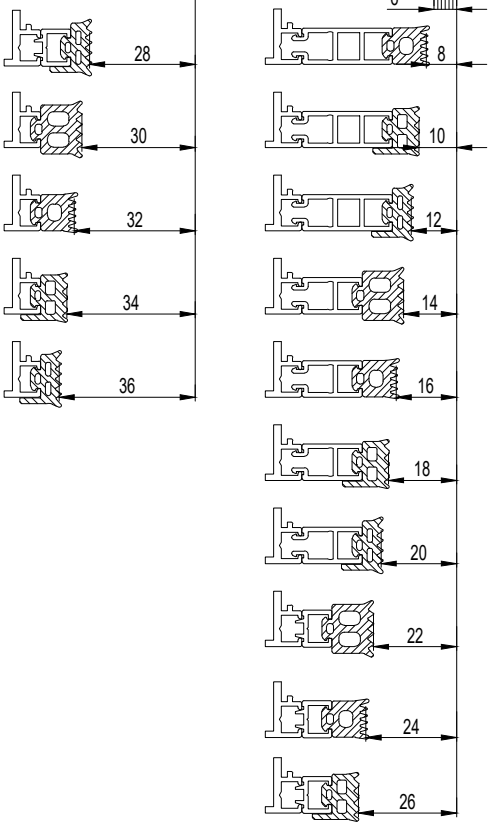
F

CW 50 - TT









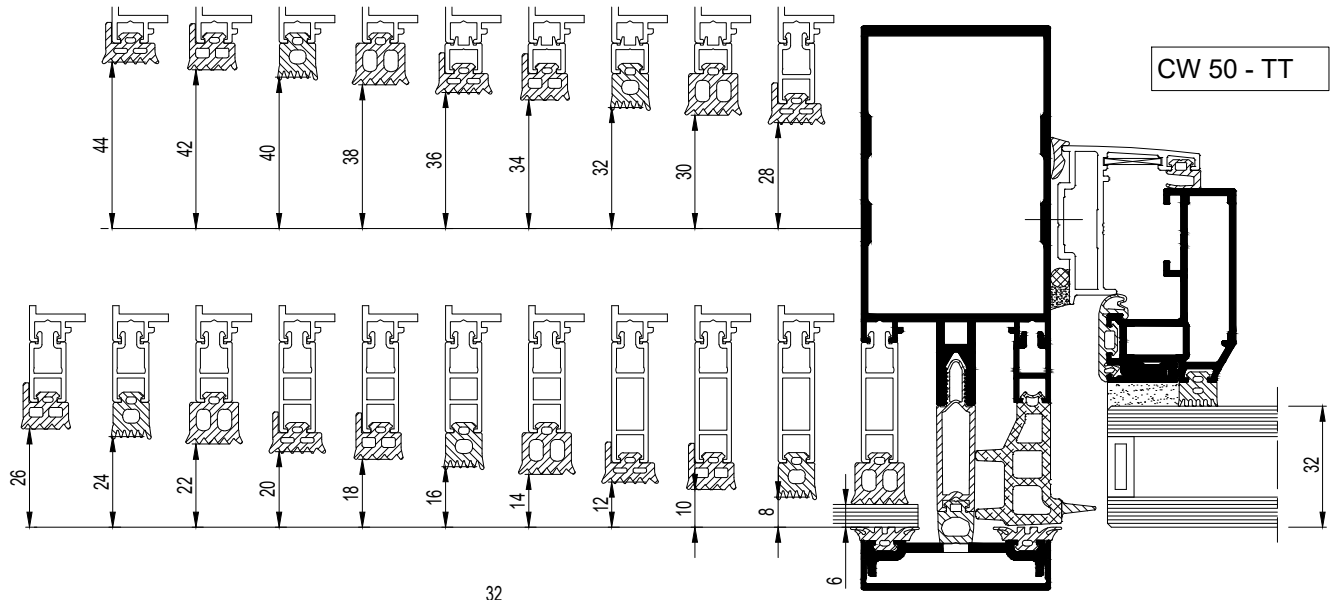
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0616.XX	034.0072.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0615.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04	034.0514.XX		
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			
30 - 31		080.9871.04			
32 - 33		080.9806.SY			
34 - 35		080.9817.04			
36 - 37		080.9876.04			

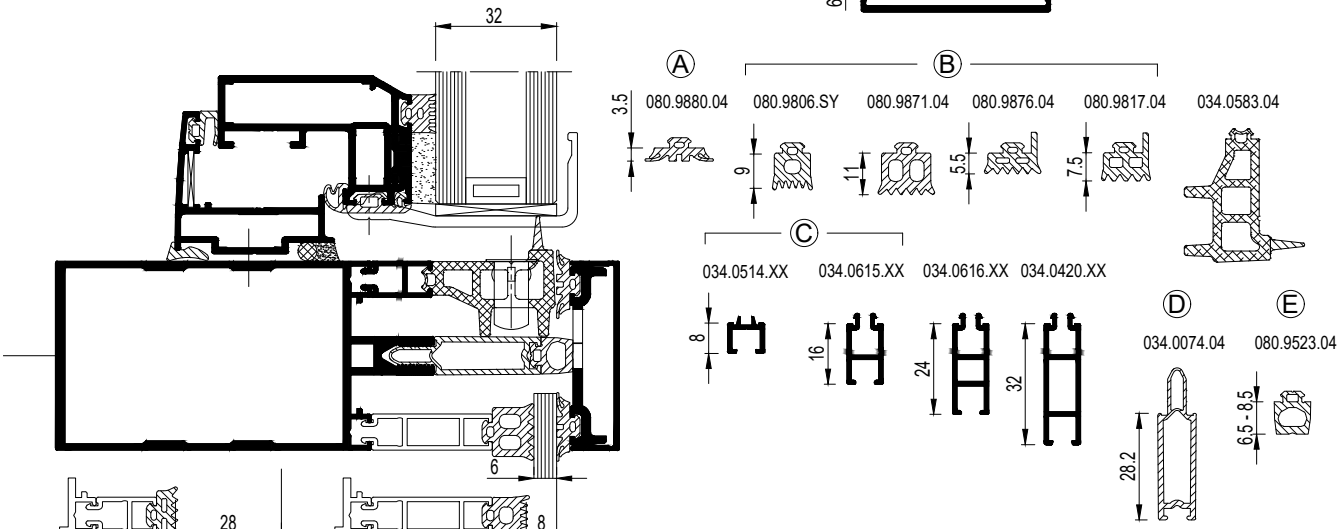
ETAG 002

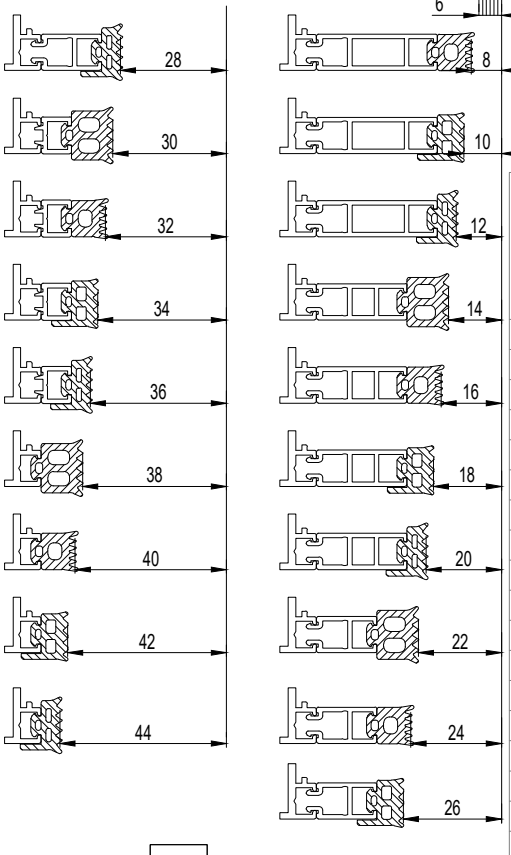
schaal - échelle
scale - Maßstab
1/2

F

BEGLAZINGSTABEL
TABLEAU DE VITRAGE
GLAZING TABLE
VERGLASUNGSTABELLE





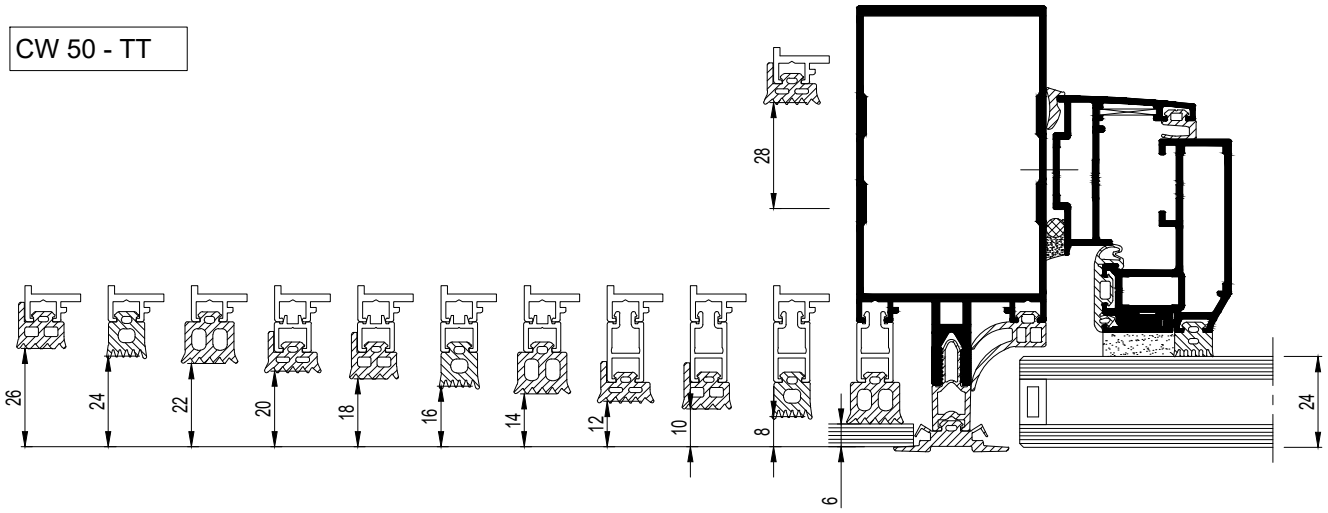


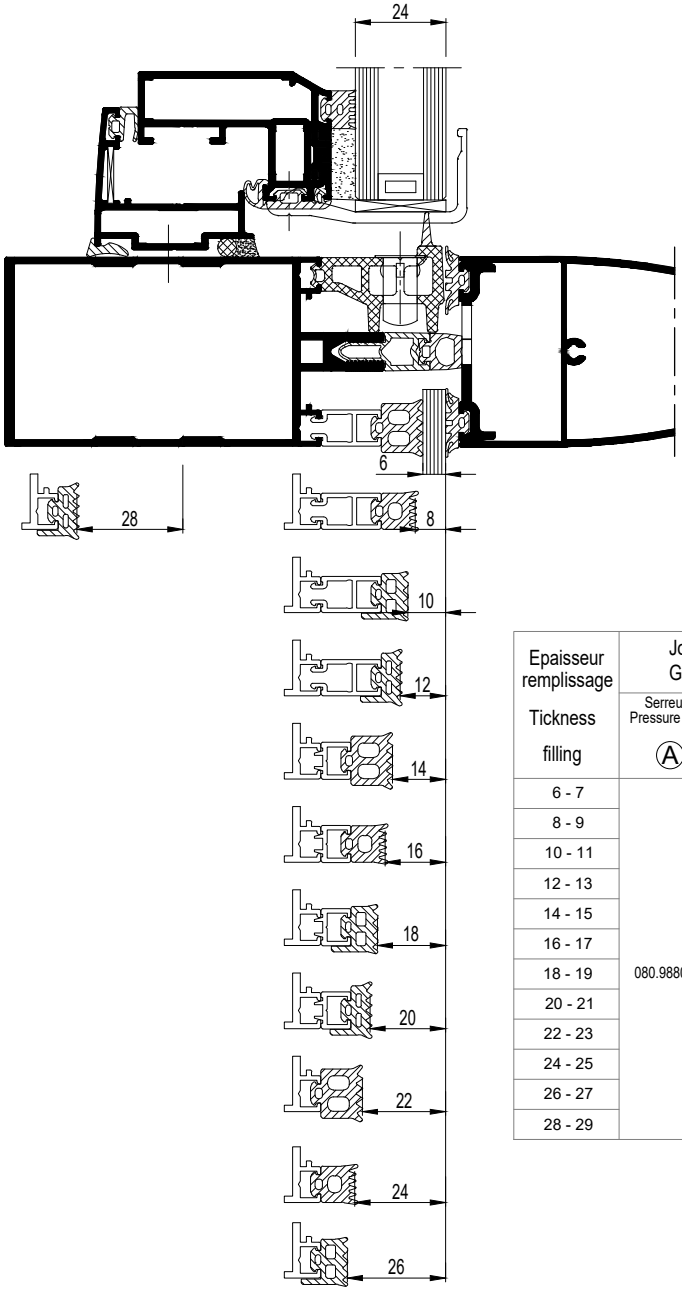
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0420.XX	034.0074.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0616.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04	034.0615.XX		
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			
30 - 31		080.9871.04	034.0514.XX		
32 - 33		080.9806.SY			
34 - 35		080.9817.04			
36 - 37		080.9876.04			
38 - 39		080.9871.04			
40 - 41		080.9806.SY			
42 - 43		080.9817.04			
44 - 45		080.9876.04			

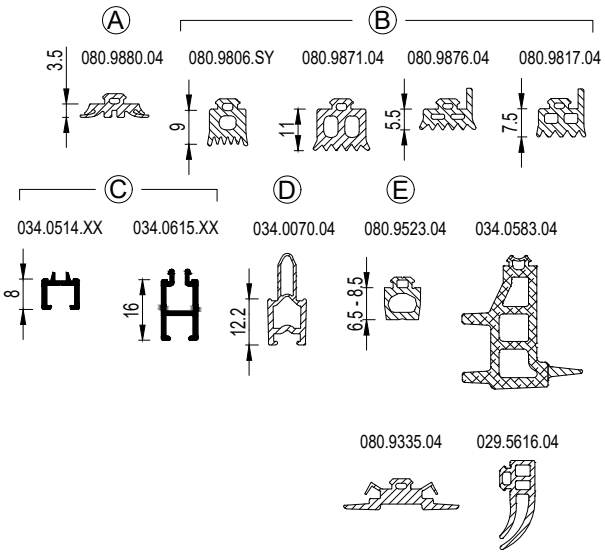
schaal - échelle
scale - Maßstab
1/2

ETAG 002

CW 50 - TT







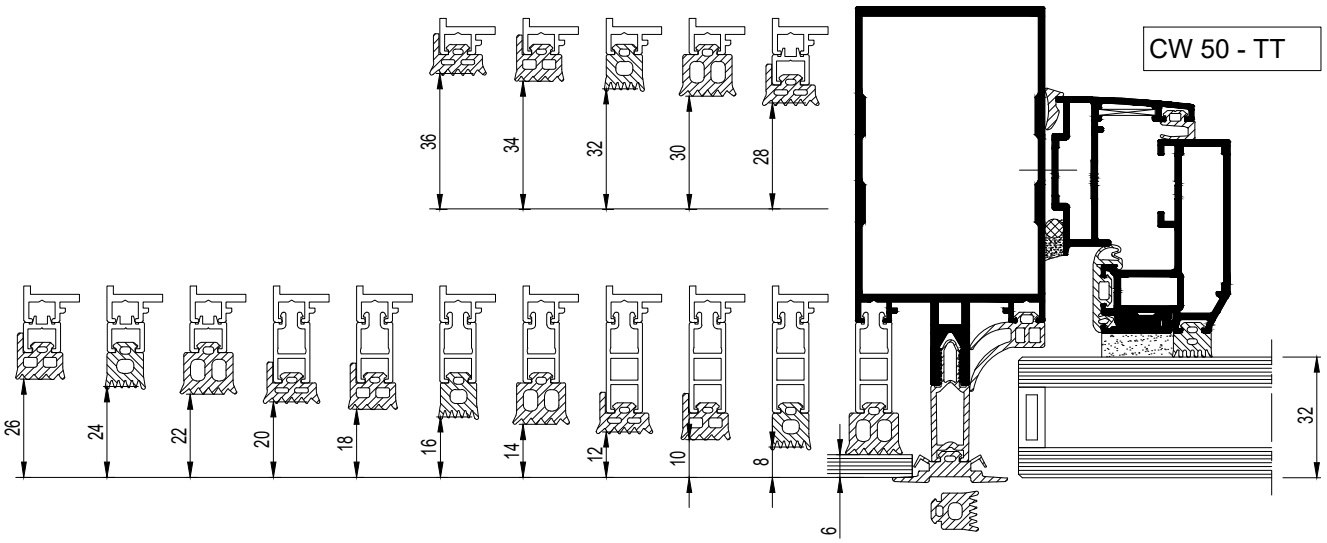
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0615.XX	034.0070.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0514.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04			
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			

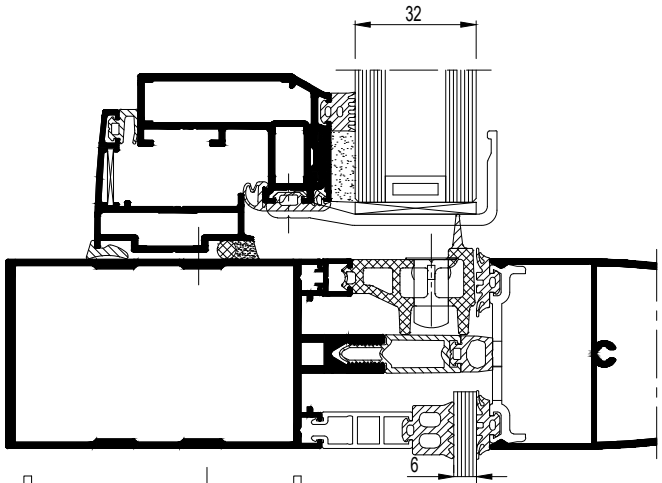
ETAG 002

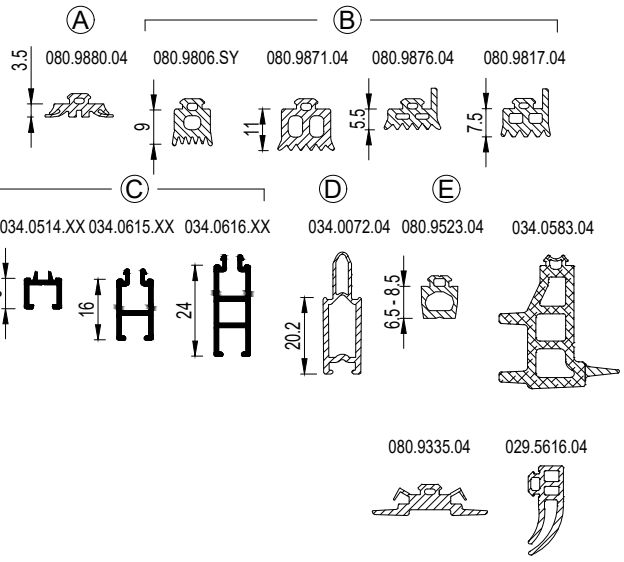
schaal - échelle
scale - Maßstab
1/2

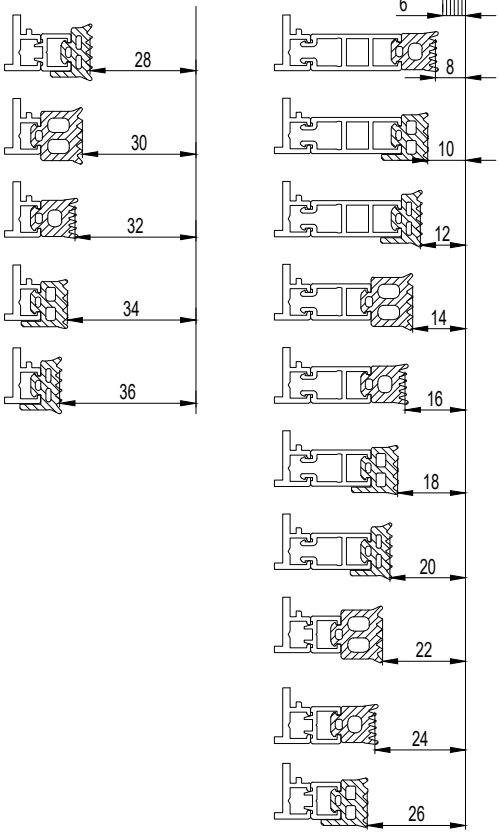
F

BEGLAZINGSTABEL-HL
TABLEAU DE VITRAGE-HL
GLAZING TABLE-HL
VERGLASUNGSTABELLE-HL





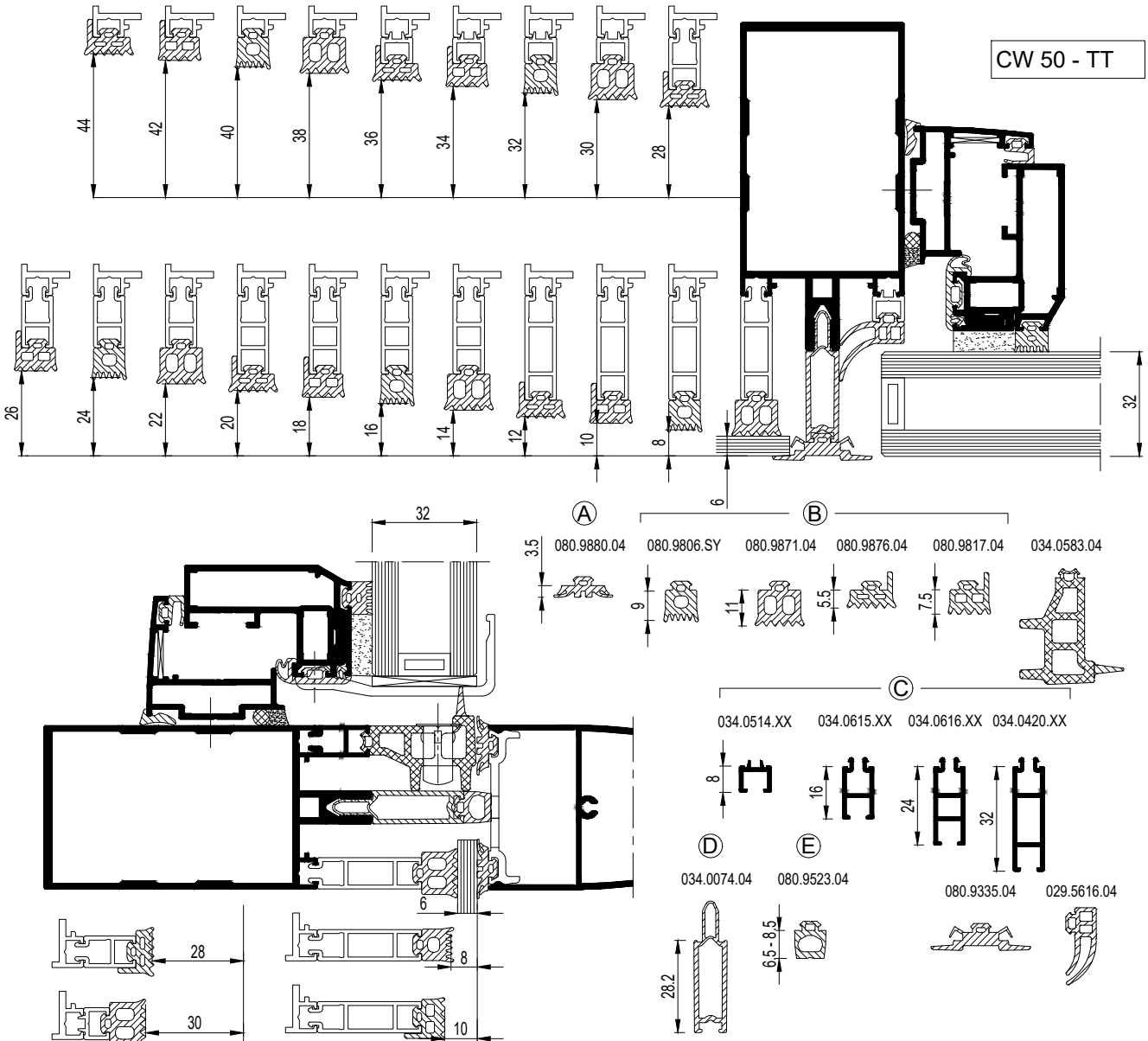


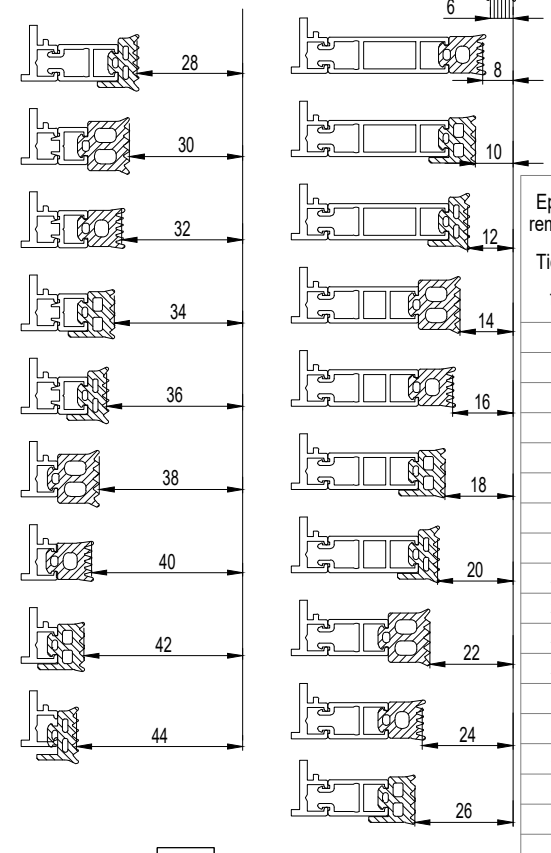


Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0616.XX	034.0072.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0615.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04	034.0514.XX		
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			
30 - 31		080.9871.04			
32 - 33		080.9806.SY			
34 - 35		080.9817.04			
36 - 37		080.9876.04			

ETAG 002

schaal - échelle
scale - Maßstab
1/2





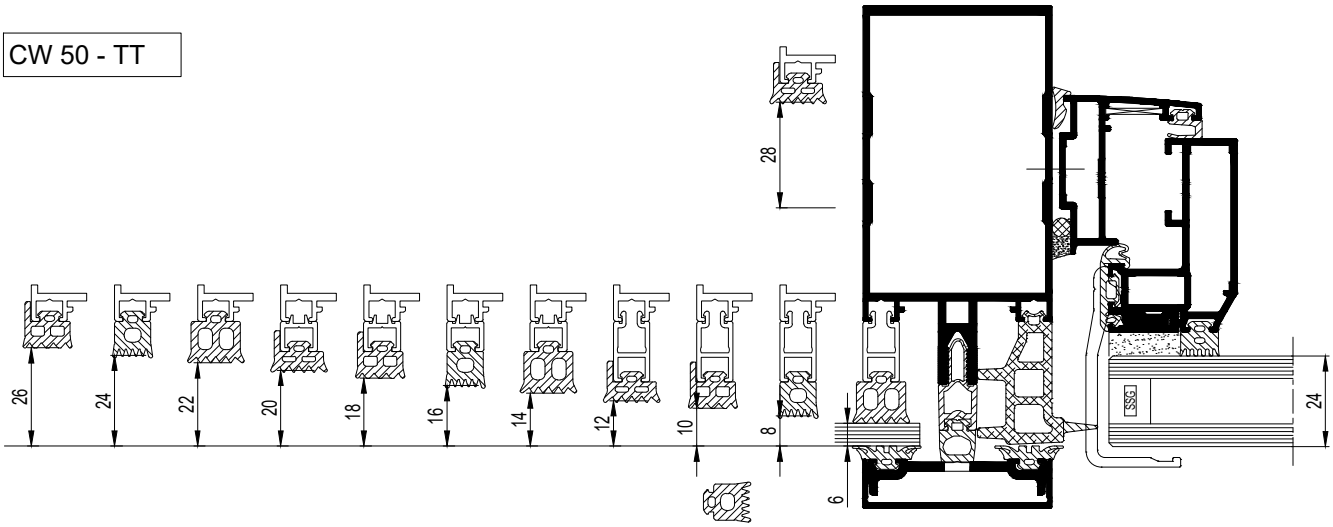
schaal - échelle
scale - Maßstab
1/2

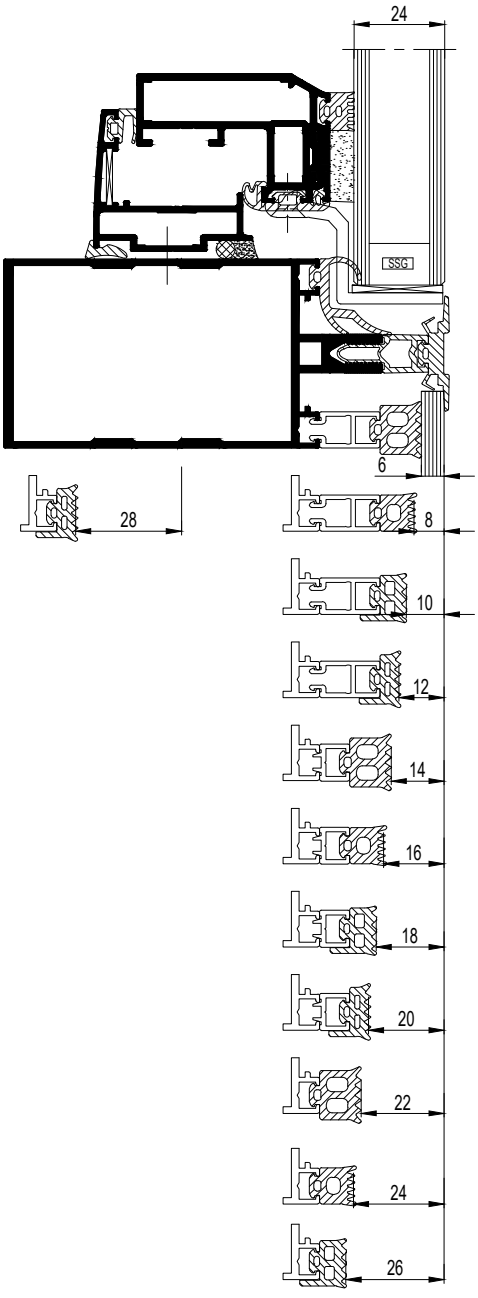
ETAG 002

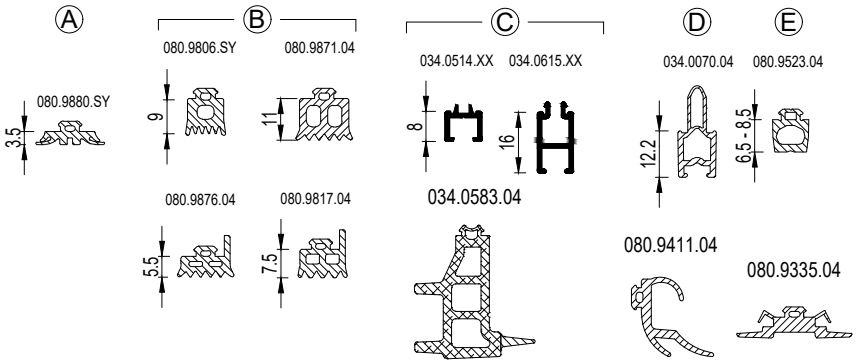
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket Serreur Pressure plate Ⓐ	 Traverse/Montant Transom/sus. prof Ⓑ	Réducteur Reducer Traverse/Montant Transom/sus. prof Ⓒ	Isolateur Insulation profile Traverse/Montant Transom/sus. prof Ⓓ	Elargisseur Extension Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0420.XX	034.0074.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0616.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04	034.0615.XX		
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			
30 - 31		080.9871.04	034.0514.XX		
32 - 33		080.9806.SY			
34 - 35		080.9817.04			
36 - 37		080.9876.04			
38 - 39		080.9871.04			
40 - 41		080.9806.SY			
42 - 43		080.9817.04			
44 - 45		080.9876.04			

F

CW 50 - TT





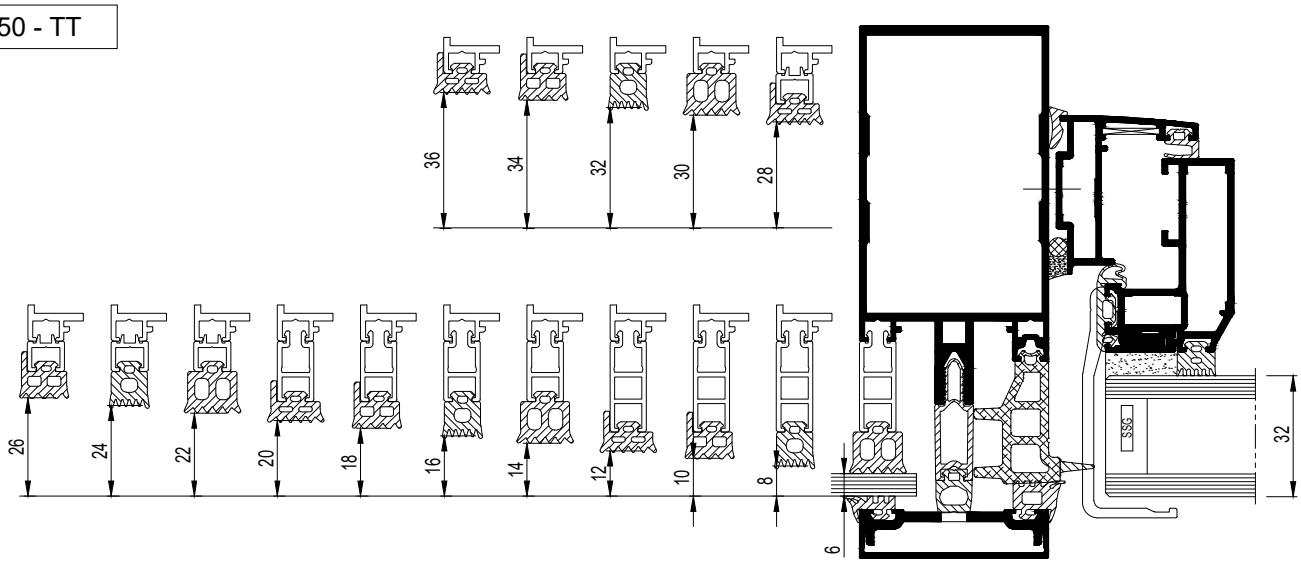


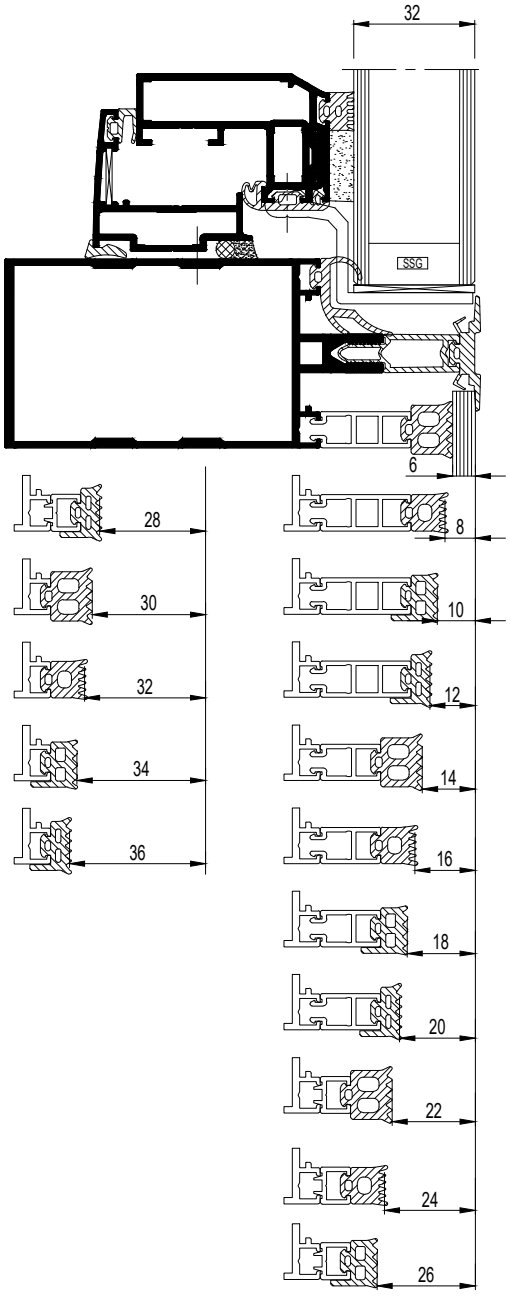
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0615.XX	034.0070.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0514.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04			
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			

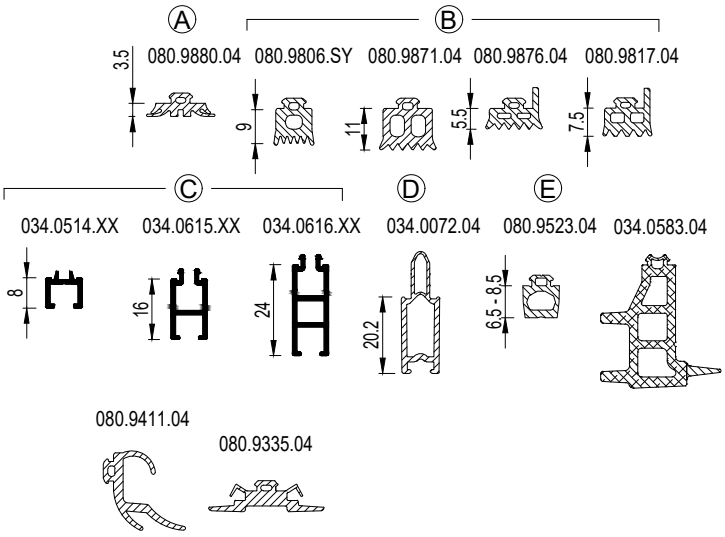
schaal - échelle
scale - Maßstab
1/2

F

CW 50 - TT







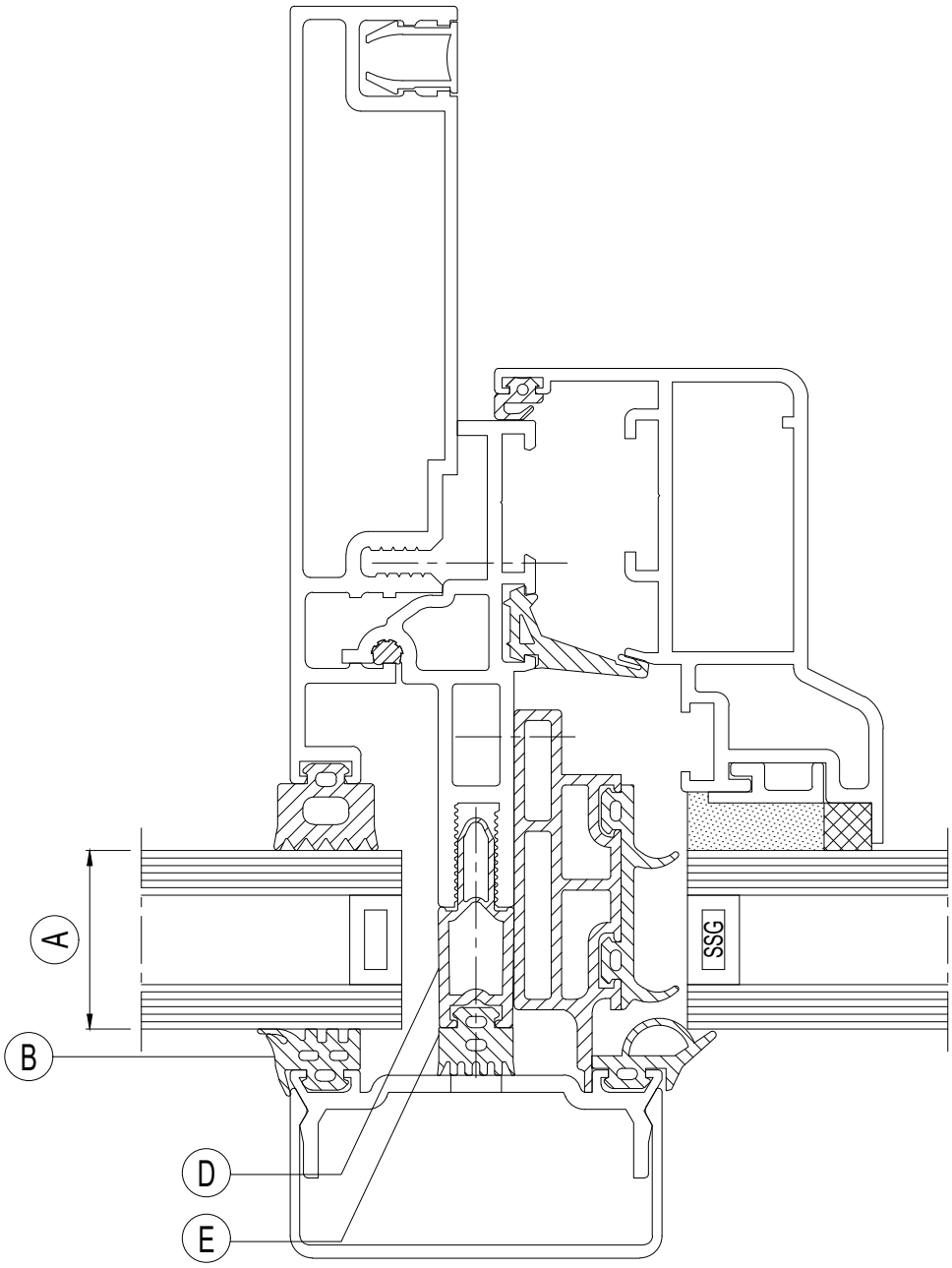
Epaisseur remplissage Tickness filling	Joint de vitrage Glazing gasket		Réducteur Reducer	Isolateur Insulation profile	Elargisseur Extension
	Serreur Pressure plate Ⓐ	Traverse/Montant Transom/sus. prof Ⓑ	Traverse/Montant Transom/sus. prof Ⓒ	Traverse/Montant Transom/sus. prof Ⓓ	Traverse/Montant Transom/sus. prof Ⓔ
6 - 7	080.9880.SY	080.9871.04	034.0616.XX	034.0072.04	080.9523.04
8 - 9		080.9806.SY			
10 - 11		080.9817.04			
12 - 13		080.9876.04			
14 - 15		080.9871.04	034.0615.XX		
16 - 17		080.9806.SY			
18 - 19		080.9817.04			
20 - 21		080.9876.04			
22 - 23		080.9871.04	034.0514.XX		
24 - 25		080.9806.SY			
26 - 27		080.9817.04			
28 - 29		080.9876.04			
30 - 31		080.9871.04			
32 - 33		080.9806.SY			
34 - 35		080.9817.04			
36 - 37		080.9876.04			

schaal - échelle
scale - Maßstab
1/2

F

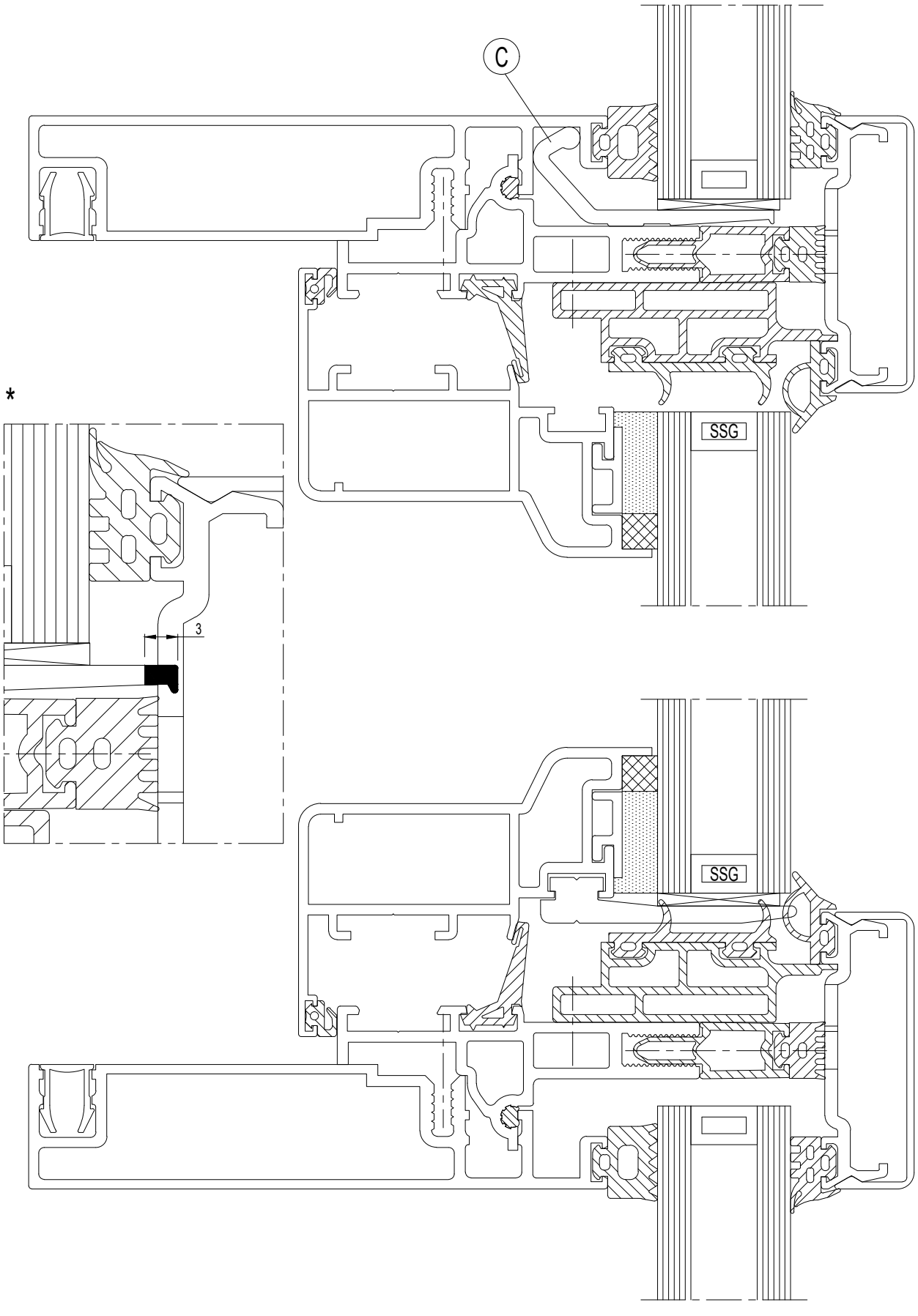
BEGLAZINGSTABEL VERBORGEN VLEUGEL SSG
TABLEAU DE VITRAGE OUVRANT CACHE SSG
GLAZING TABLE HIDDEN VENT SSG
VERGLASUNGSTABELLE VERDECKTER FLUEGEL SSG

A	B	C	D	E
22-23 mm	080.9742.04	021.5853.00	034.0071.04	080.9300.04
24 mm	080.9741.04	021.5853.00	034.0071.04	080.9300.04
25-26 mm	080.9741.04	021.5854.00*	034.0071.04	080.9301.04
27 mm	080.9741.04	021.5854.00*	034.0072.04	080.9300.04
28 mm	080.9741.04	021.5854.00	034.0072.04	080.9300.04



ETAG
002

BEGLAZINGSTABEL VERBORGEN VLEUGEL SSG
TABLEAU DE VITRAGE OUVRANT CACHE SSG
GLAZING TABLE HIDDEN VENT SSG
VERGLASUNGSTABELLE VERDECKTER FLUEGEL SSG



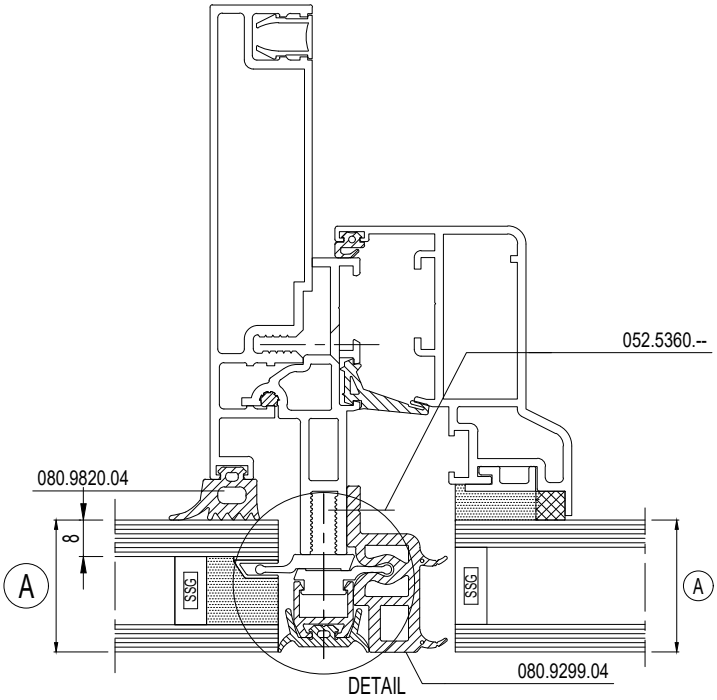
ETAG
002

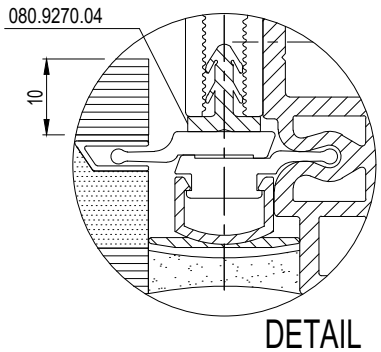
BEGLAZINGSTABEL VERBORGEN VLEUGEL SSG - SC
TABLEAU DE VITRAGE OUVRANT CACHE SSG - SC
GLAZING TABLE HIDDEN VENT SSG - SC
VERGLASUNGSTABELLE VERDECKTER FLUEGEL SSG - SC

BEGLAZINGSTABEL VERBORGEN VLEUGEL SSG - SC
TABLEAU DE VITRAGE OUVRANT CACHE SSG - SC
GLAZING TABLE HIDDEN VENT SSG - SC
VERGLASUNGSTABELLE VERDECKTER FLUEGEL SSG - SC

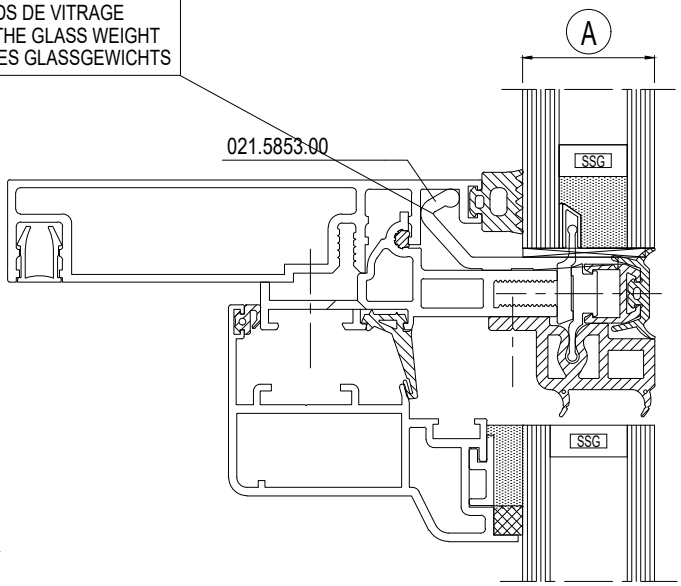
A
29 mm
30 mm
31 mm
32 mm

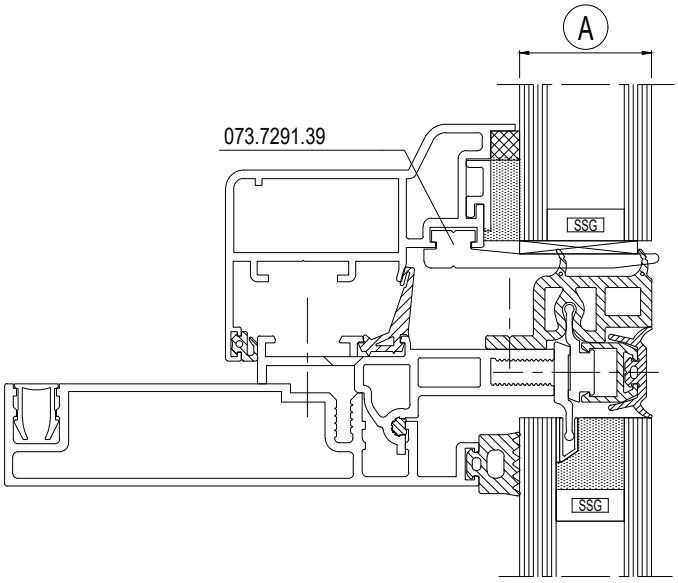
** BEGLAZINGSBLOK: TE BEREKENEN IN FUNCTIE VAN HET GLASGEWICHT
** CALE DE VITRAGE: A CALCULER EN FONCTION DU POIDS DE VITRAGE
** GLAZING BLOCK: TO BE CONFIRMED IN FUNCTION OF THE GLASS WEIGHT
** VERGLAZUNSKLOETZ: ZU BERECHNEN IN FUNCTION DES GLASSGEWICHTS





DETAIL

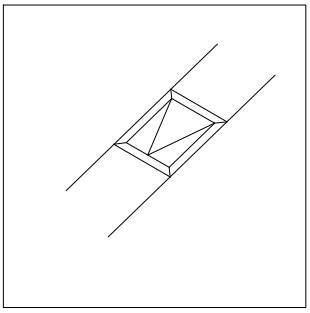




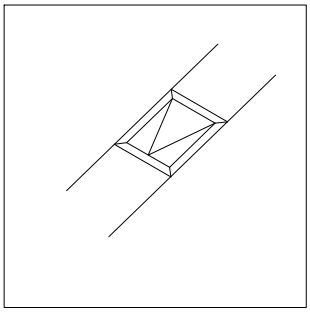
ETAG
002

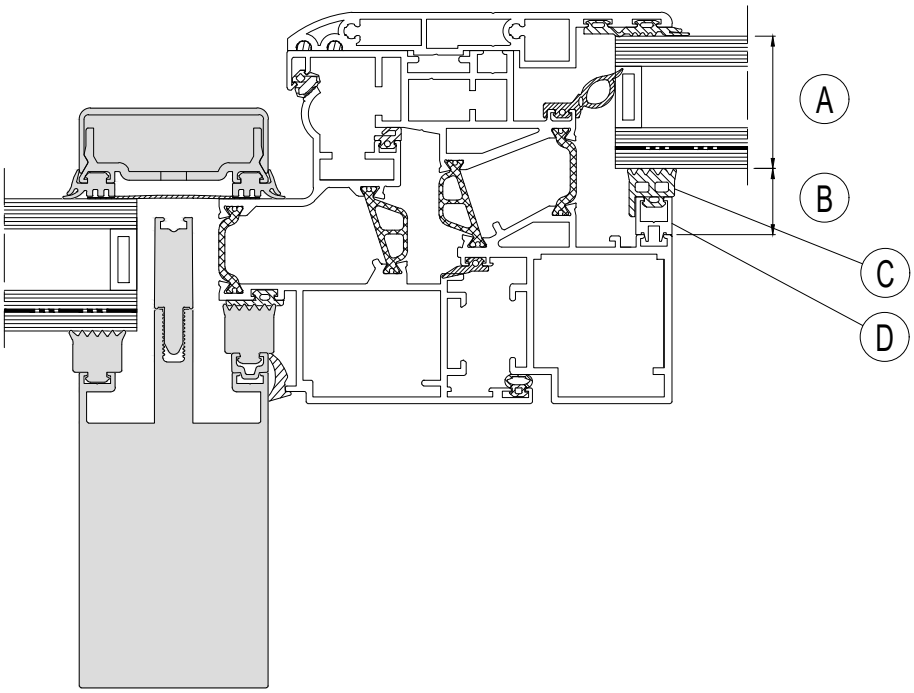
F

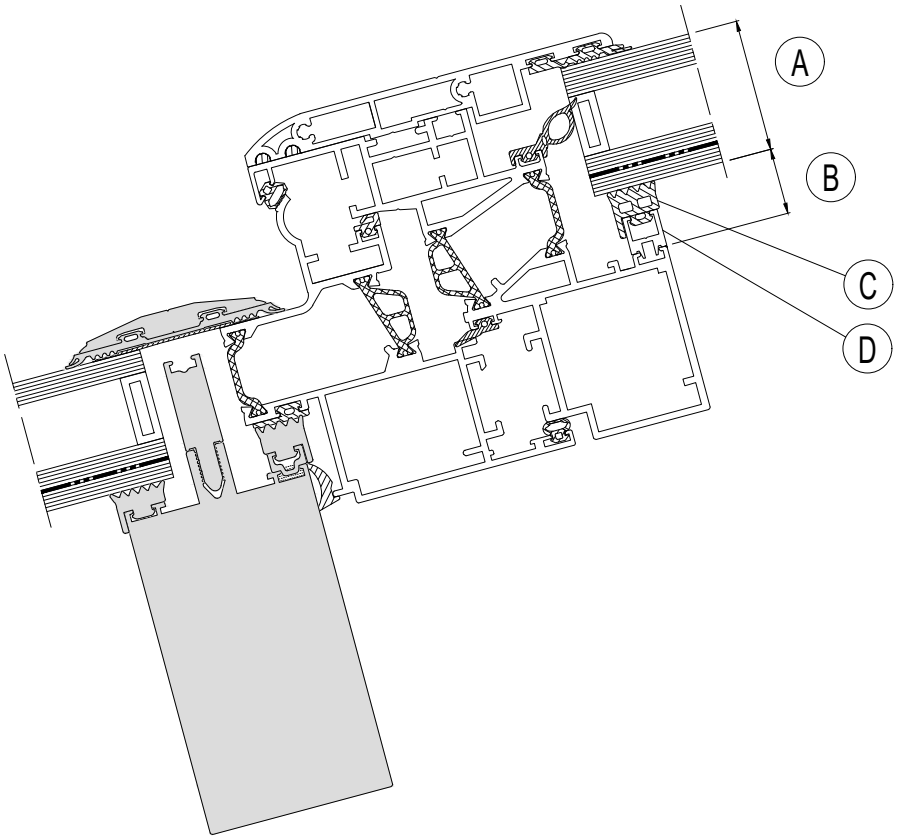
(A) GLAS VERRE GLASS GLAS	(B) AFSTAND DISTANCE DISTANCE ABSTAND	(C) DICHTING JOINT GASKET DICHTUNG	(D) AFSTANDSHOUDER REDUCTEUR DE FEUILLURE FILLISTER REDUCER FALZVERKLEINUNGSPROFIL
24 mm	28.5 mm	080.9812.04	034.0615.XX
25 mm	27.5 mm	080.9815.SY	034.0616.XX
26 mm	26.5 mm	080.9871.04	034.0615.XX
27 mm	25.5 mm	080.9817.04	034.0619.XX
28 mm	24.5 mm	080.9810.SY	034.0615.XX
29 mm	23.5 mm	080.9817.04	034.0615.XX
30 mm	22.5 mm	080.9812.04	034.0618XX
31 mm	21.5 mm	080.9876.04	034.0615.XX
32 mm	20.5 mm	080.9871.04	034.0618XX
33 mm	19.5 mm	080.9815.SY	034.0615.XX
34 mm	18.5 mm	080.981204	034.0617.XX
35 mm	17.5 mm	080.9817.04	034.0618XX
36 mm	16.5 mm	080.9871.04	034.0617.XX
37 mm	15.5 mm	080.9876.04	034.0618XX
38 mm	14.5 mm	080.9810.SY	034.0617.XX
39 mm	13.5 mm	080.9815.SY	034.0618XX
40 mm	12.5 mm	080.9817.04	034.0517.XX
41 mm	11.5 mm	080.9815.SY	034.0514.XX
42 mm	10.5 mm	080.9876.04	034.0517.XX
43 mm	9.5 mm	080.9815.SY	034.0617.XX
44 mm	8.5 mm	080.9815.SY	034.0517.XX
45 mm	7.5 mm	080.9817.04	---
~~46 mm~~	6.5 mm		---
47 mm	5.5 mm	080.9876.04	---
~~48 mm~~	4.5 mm	---	---
49 mm	3.5 mm	080.9815.SY	---



F





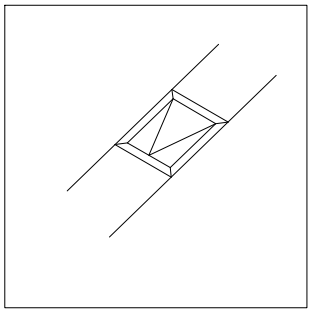


F

DAKRAAM: BEGLAZINGSTABEL GB HI
TABATIERE: TABLEAU DE VITRAGE GB HI
ATTIC WINDOW: GLAZING TABLE GB HI
DACHFENSTER: VERGLASUNGSTABELLE GB HI

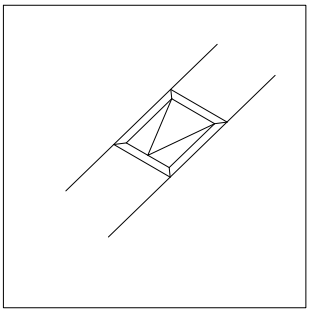
Reynaers Aluminium

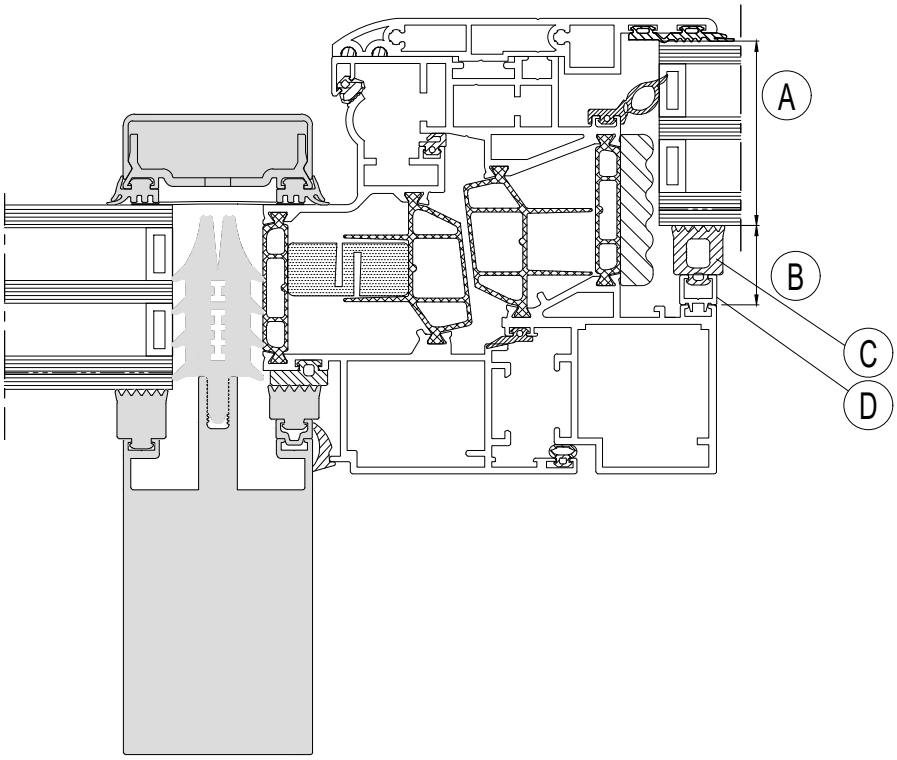
A	B	C	D
GLAS VERRE GLASS GLAS	AFSTAND DISTANCE DISTANCE ABSTAND	DICHTING JOINT GASKET DICHTUNG	AFSTANDSHOUDER REDUCTEUR DE FEUILLURE FILLISTER REDUCER FALZVERKLEINUNGSPROFIL
24 mm	45.5 mm	080.9817.04	034.0617.XX + 034.0420.XX
25 mm	44.5 mm	080.9812.04	034.0420.XX
26 mm	43.5 mm	080.9876.04	034.0617.XX + 034.0420.XX
27 mm	42.5 mm	080.9871.04	034.0420.XX
28 mm	41.5 mm	080.9815.SY	034.0617.XX + 034.0420.XX
29 mm	40.5 mm	080.9810.04	034.0420.XX
30 mm	39.5 mm	080.9817.04	034.0420.XX
31 mm	38.5 mm	080.9810.04	034.0617.XX + 034.616.XX
32 mm	37.5 mm	080.9876.04	034.0420.XX
33 mm	36.5 mm	080.9812.04	034.0616.XX
34 mm	35.5 mm	080.9815.SY	034.0420.XX
35 mm	34.5 mm	080.9871.04	034.0616.XX
36 mm	33.5 mm	080.9815.SY	034.0617.XX + 034.616.XX
37 mm	32.5 mm	080.9810.04	034.0616.XX
38 mm	31.5 mm	080.9817.04	034.0616.XX
39 mm	30.5 mm	080.9812.04	034.0619.XX
40 mm	29.5 mm	080.9876.04	034.0616.XX
41 mm	28.5 mm	080.9812.04	034.0615.XX
42 mm	27.5 mm	080.9815.SY	034.0616.XX
43 mm	26.5 mm	080.9871.04	034.0615.XX
44 mm	25.5 mm	080.9817.04	034.0619.XX
45 mm	24.5 mm	080.9810.SY	034.0615.XX
46 mm	23.5 mm	080.9817.04	034.0615.XX
47 mm	22.5 mm	080.9812.04	034.0618XX
48 mm	21.5 mm	080.9876.04	034.0615.XX
49 mm	20.5 mm	080.9871.04	034.0618XX
50 mm	19.5 mm	080.9815.SY	034.0615.XX
51 mm	18.5 mm	080.9812.04	034.0617.XX
52 mm	17.5 mm	080.9817.04	034.0618XX
53 mm	16.5 mm	080.9871.04	034.0617.XX
54 mm	15.5 mm	080.9876.04	034.0618XX
55 mm	14.5 mm	080.9810.SY	034.0617.XX
56 mm	13.5 mm	080.9815.SY	034.0618XX
57 mm	12.5 mm	080.9817.04	034.0517.XX
58 mm	11.5 mm	080.9815.SY	034.0514.XX
59 mm	10.5 mm	080.9876.04	034.0517.XX
60 mm	9.5 mm	080.9815.SY	034.0617.XX
61 mm	8.5 mm	080.9815.SY	034.0517.XX
62 mm	7.5 mm	080.9817.04	---

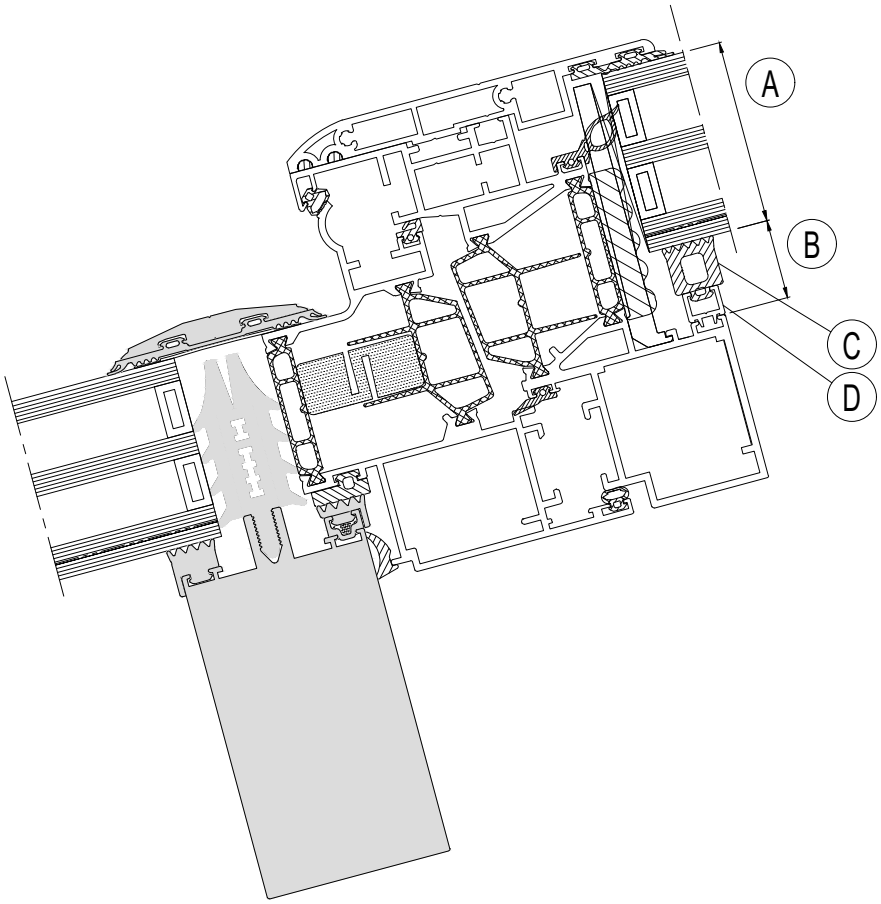


schaal - échelle
scale - Maßstab
1/2

DAKRAAM: BEGLAZINGSTABEL GB HI
TABATIERE: TABLEAU DE VITRAGE GB HI
ATTIC WINDOW: GLAZING TABLE GB HI
DACHFENSTER: VERGLASUNGSTABELLE GB HI



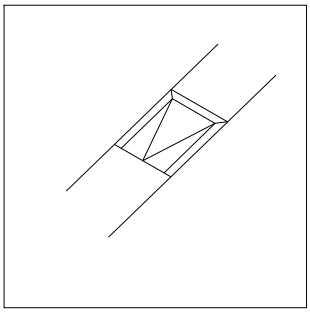


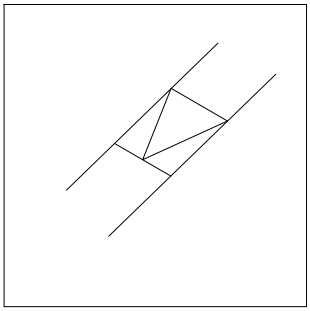


schaal - échelle
scale - Maßstab
1/2

DAKRAAM: BEGLAZINGSTABEL SGS, SGS/GB
TABATIERE: TABLEAU DE VITRAGE SGS, SGS/GB
ATTIC WINDOW: GLAZING TABLE SGS, SGS/GB
DACHFENSTER: VERGLASUNGSTABELLE SGS, SGS/GB

(A) GLAS VERRE GLASS GLAS	(B) AFSTAND DISTANCE DISTANCE ABSTAND	(C) DICHTING JOINT GASKET DICHTUNG	(D) AFSTANDSHOUDER REDUCTEUR DE FEUILLURE FILLISTER REDUCER FALZVERKLEINUNGSPROFIL
16 mm	39 mm	080.9810.SY	034.0617.XX + 034.0616.XX
17 mm	38 mm	080.9810.SY	034.0517.XX + 034.0616.XX
18 mm	37 mm	080.9812.04	034.0616.XX
19 mm	36 mm	080.9812.04	034.0517.XX + 034.0619.XX
20 mm	35 mm	080.9871.04	034.0616.XX
21 mm	34 mm	080.9871.04	034.0517.XX + 034.0619.XX
22 mm	33 mm	080.9810.SY	034.0616.XX
23 mm	32 mm	080.9810.SY	034.0517.XX + 034.0619.XX
24 mm	31 mm	080.9812.04	034.0619.XX
25 mm	30 mm	080.9810.SY	034.0517.XX + 034.0615.XX
26 mm	29 mm	080.9871.04	034.0619.XX
27 mm	28 mm	080.9812.04	034.0517.XX + 034.0618.XX
28 mm	27 mm	080.9871.04	034.0615.XX
29 mm	26 mm	080.9871.04	034.0517.XX + 034.0618.XX
30 mm	25 mm	080.9810.SY	034.0615.XX
31 mm	24 mm	080.9810.SY	034.517.XX + 034.0618.XX
32 mm	23 mm	080.9812.04	034.0618.XX
33 mm	22 mm	080.9871.04	034.517.XX + 034.0617.XX
34 mm	21 mm	080.9871.04	034.0618.XX
35 mm	20 mm	080.9810.SY	034.517.XX + 034.0617.XX
36 mm	19 mm	080.9812.04	034.0617.XX
37 mm	18 mm	080.9812.04	034.0517.XX
38 mm	17 mm	080.9871.04	034.0617.XX
39 mm	16 mm	080.9871.04	034.0517.XX
40 mm	15 mm	080.9810.SY	034.0617.XX
41 mm	14 mm	080.9810.SY	034.0517.XX
42 mm	13 mm	080.9812.04	
43 mm	12 mm		
44 mm	11 mm	080.9871.04	
45 mm	10 mm		
46 mm	9 mm	080.9810.SY	

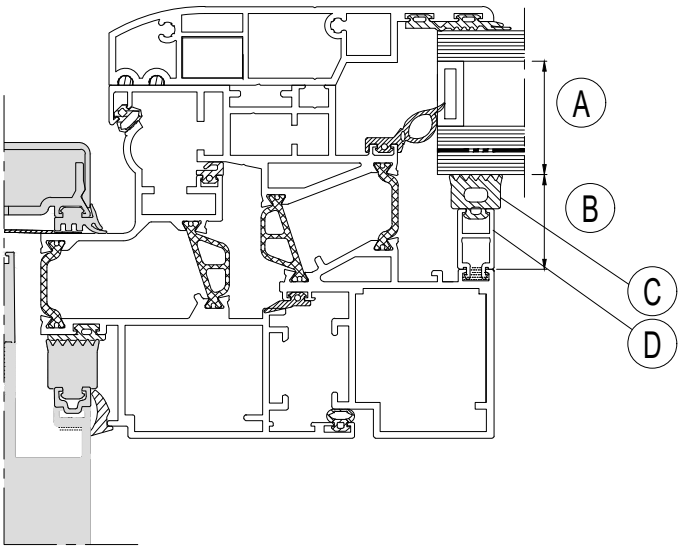


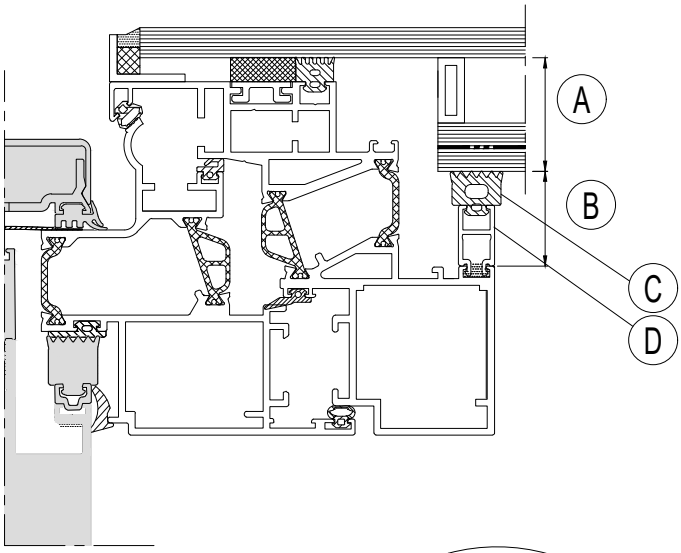


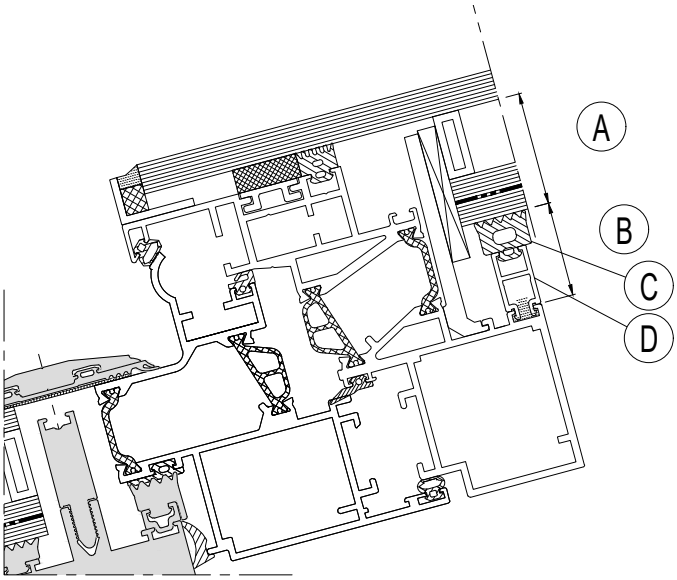
ETAG 002

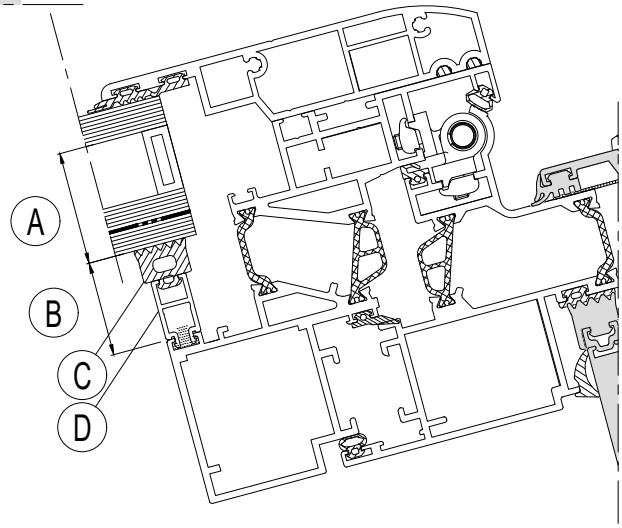
schaal - échelle
scale - Maßstab
1/2

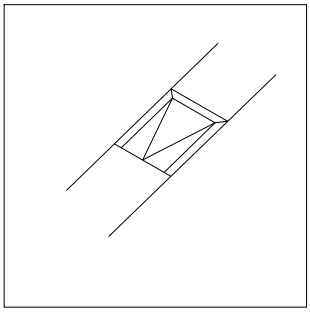
DAKRAAM: BEGLAZINGSTABEL SGS, SGS/GB
TABATIERE: TABLEAU DE VITRAGE SGS, SGS/GB
ATTIC WINDOW: GLAZING TABLE SGS, SGS/GB
DACHFENSTER: VERGLASUNGSTABELLE SGS, SGS/GB

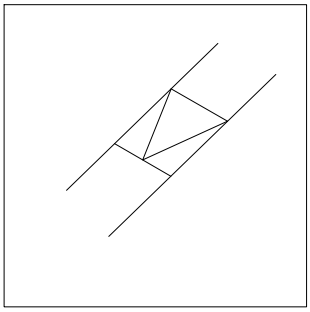


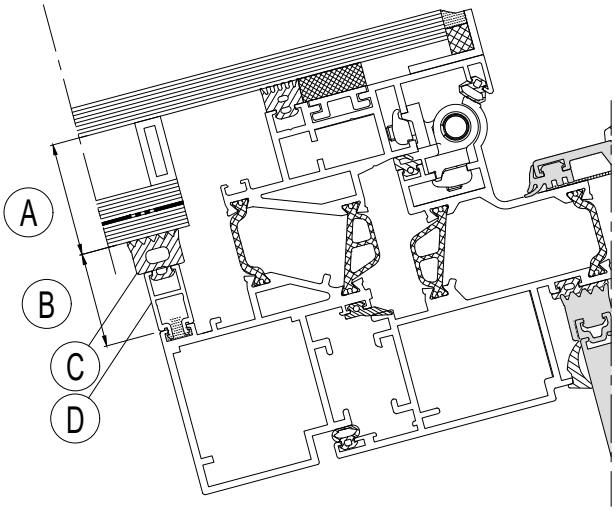












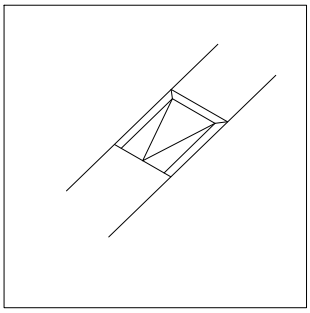
ETAG 002

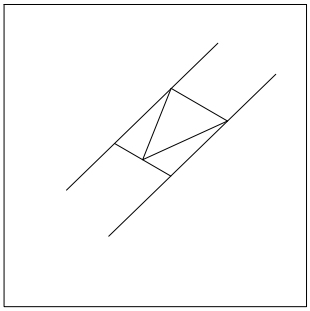
schaal - échelle
scale - Maßstab
1/2

F

DAKRAAM: BEGLAZINGSTABEL SGS HI, SGS/GB HI
TABATIERE: TABLEAU DE VITRAGE SGS HI, SGS/GB HI
ATTIC WINDOW: GLAZING TABLE SGS HI, SGS/GB HI
DACHFENSTER: VERGLASUNGSTABELLE SGS HI, SGS/GB HI

(A) GLAS VERRE GLASS GLAS	(B) AFSTAND DISTANCE DISTANCE ABSTAND	(C) DICHTING JOINT GASKET DICHTUNG	(D) AFSTANDSHOUDER REDUCTEUR DE FEUILLURE FILLISTER REDUCER FALZVERKLEINUNGSPROFIL
23mm	51 mm	080.9812.04	034.0617.XX + 034.0420.XX
24 mm	50 mm	080.9812.04	034.0517.XX + 034.0420.XX
25 mm	49 mm	080.9871.04	034.0617.XX + 034.0420.XX
26 mm	48 mm	080.9871.04	034.0517.XX + 034.0420.XX
27 mm	47 mm	080.9810.SY	034.0617.XX + 034.0420.XX
28 mm	46 mm	080.9810.SY	034.0517.XX + 034.0420.XX
29 mm	45 mm	080.9812.04	034.0420.XX
30 mm	44 mm	080.9871.04	034.0517.XX + 034.0618.XX + 034.0619.XX
31 mm	43 mm	080.9871.04	034.0420.XX
32 mm	42 mm	080.9812.04	034.0517.XX + 034.0616.XX
33 mm	41 mm	080.9810.SY	034.0420.XX
34 mm	40 mm	080.9871.04	034.0517.XX + 034.0616.XX
35 mm	39 mm	080.9810.SY	034.0616.XX + 034.0617.XX
36 mm	38 mm	080.9810.SY	034.0517.XX + 034.0616.XX
37 mm	37 mm	080.9812.04	034.0616.XX
38 mm	36 mm	080.9812.04	034.0517.XX + 034.0619.XX
39 mm	35 mm	080.9871.04	034.0616.XX
40 mm	34 mm	080.9871.04	034.0517.XX + 034.0619.XX
41 mm	33 mm	080.9810.SY	034.0616.XX
42 mm	32 mm	080.9810.SY	034.0517.XX + 034.0619.XX
43 mm	31 mm	080.9812.04	034.0619.XX
44 mm	30 mm	080.9810.SY	034.0517.XX + 034.0615.XX
45 mm	29 mm	080.9812.04	034.0615.XX
46 mm	28 mm	080.9812.04	034.0517.XX + 034.0618.XX
47 mm	27 mm	080.9871.04	034.0615.XX
48 mm	26 mm	080.9871.04	034.0517.XX + 034.0618.XX
49 mm	25 mm	080.9810.SY	034.0615.XX
50 mm	24 mm	080.9810.SY	034.0517.XX + 034.0618.XX
51 mm	23 mm	080.9812.04	034.0618.XX
52 mm	22 mm	080.9871.04	034.0517.XX + 034.0617.XX
53 mm	21 mm	080.9871.04	034.0618.XX
54 mm	20 mm	080.9810.SY	034.0517.XX + 034.0617.XX
55 mm	19 mm	080.9812.04	034.0617.XX
56 mm	18 mm	080.9812.04	034.0517.XX

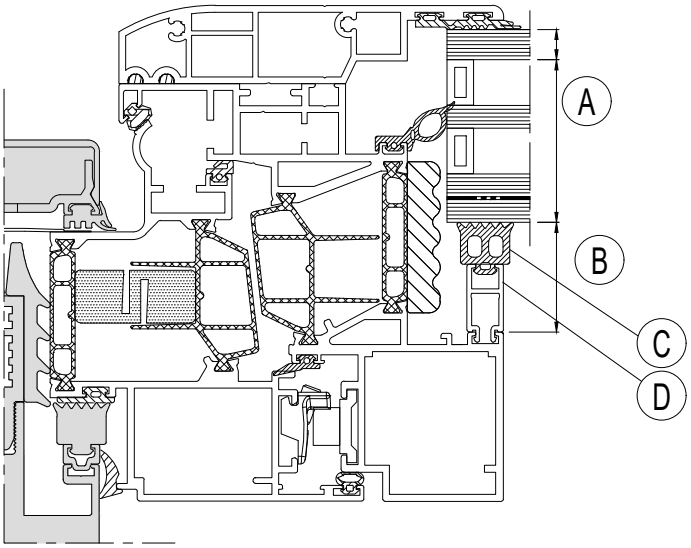


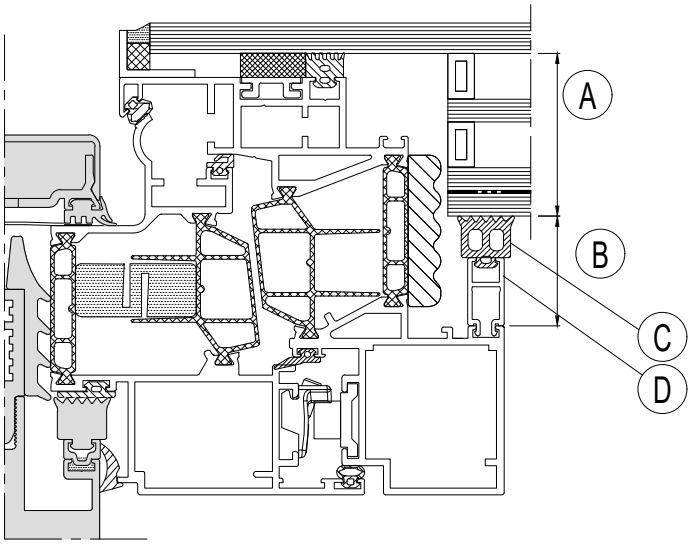


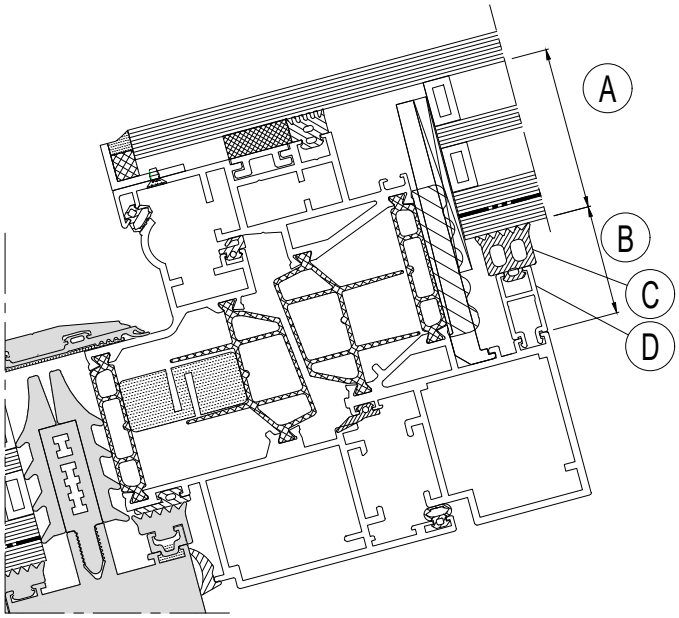
ETAG 002

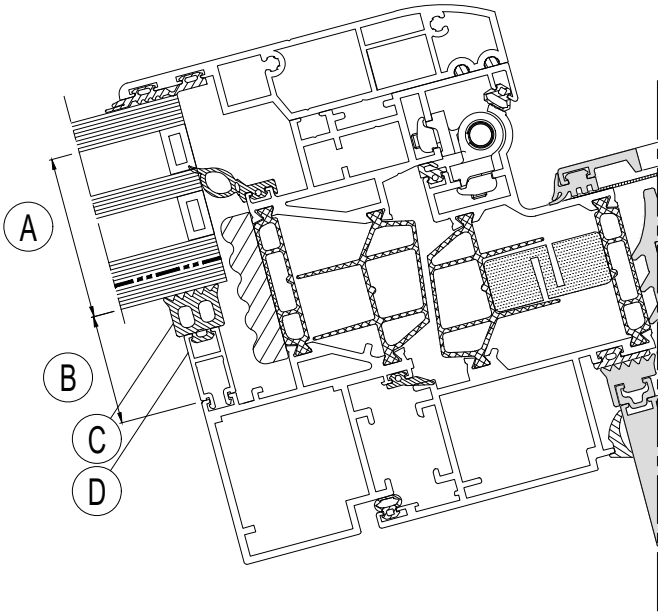
schaal - échelle
scale - Maßstab
1/2

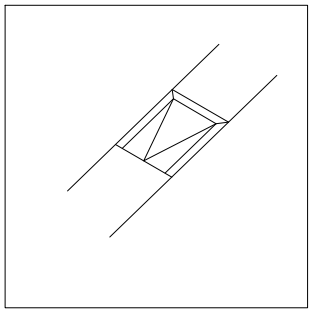
DAKRAAM: BEGLAZINGSTABEL SGS HI, SGS/GB HI
TABATIERE: TABLEAU DE VITRAGE SGS HI, SGS/GB HI
ATTIC WINDOW: GLAZING TABLE SGS HI, SGS/GB HI
DACHFENSTER: VERGLASUNGSTABELLE SGS HI, SGS/GB HI

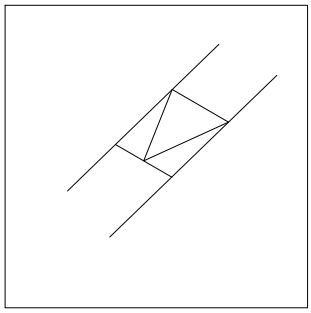


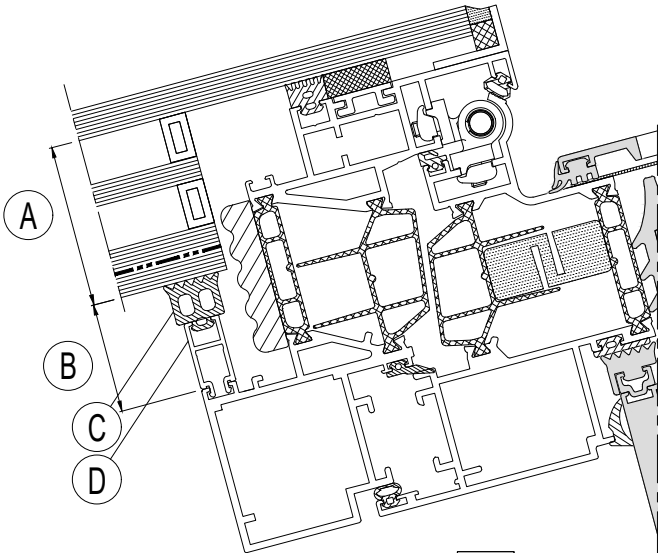












ETAG 002

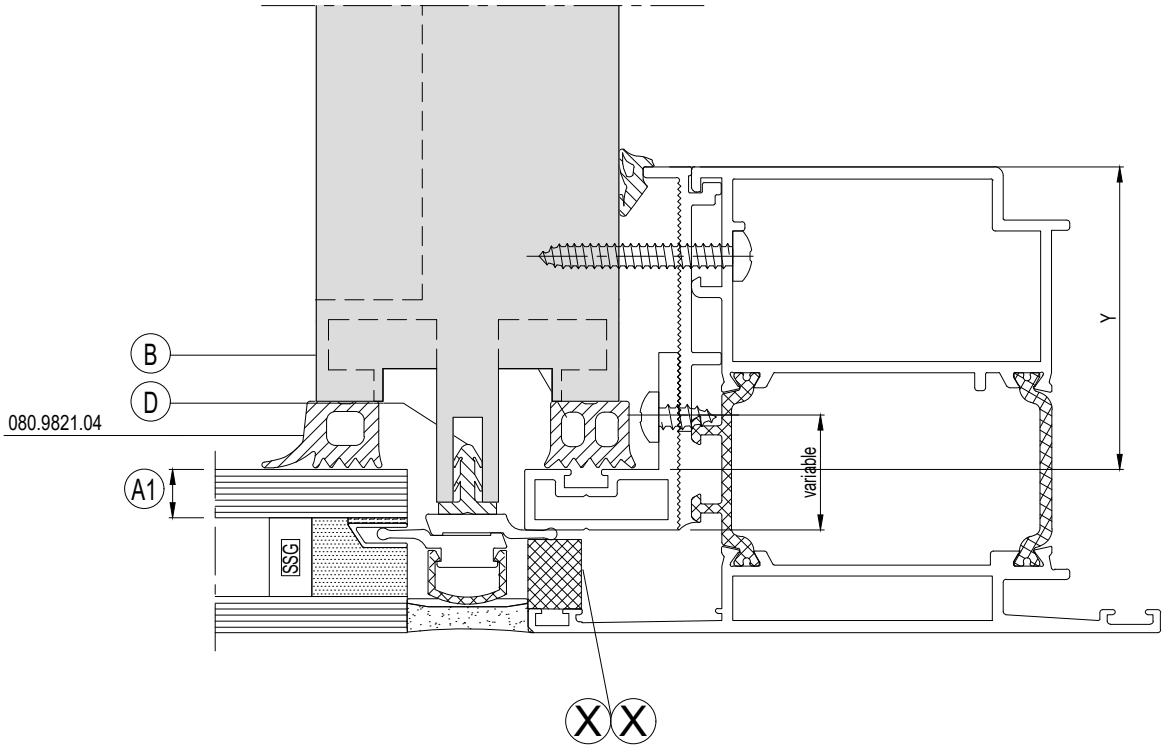
schaal - échelle
scale - Maßstab
1/2

F

BEGLAZINGSTABEL-SC " MASTERLINE DEURAANSLUITING "
TABLEAU DE VITRAGE-SC " MASTERLINE RACCORDEMENT DE PORTE "
GLAZING TABLE-SC " MASTERLINE DOOR CONNECTION "
VERGLASUNGSTABELLE-SC " MASTERLINE TUERANSCHLUSS "

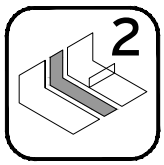
A1	B				C				D			
	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm
6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	---	080.9270.04	080.9271.04	080.9272.04

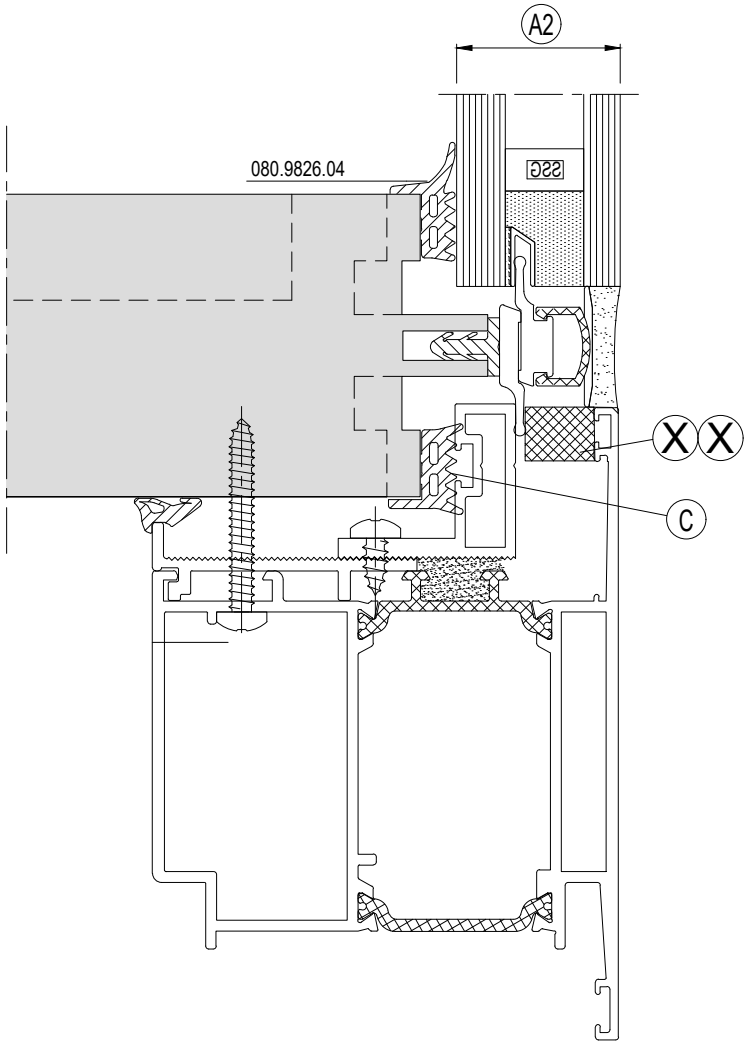
A2	Y			
	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm
27mm	48mm	50mm	52mm	54mm
28mm	47mm	49mm	51mm	53mm
29mm	46mm	48mm	50mm	52mm
30mm	45mm	47mm	49mm	51mm
31mm	44mm	46mm	48mm	50mm
32mm	43mm	45mm	47mm	49mm



ETAG 002

BEGLAZINGSTABEL-SC " MASTERLINE DEURAANSLUITING "
TABLEAU DE VITRAGE-SC " MASTERLINE RACCORDEMENT DE PORTE "
GLAZING TABLE-SC " MASTERLINE DOOR CONNECTION "
VERGLASUNGSTABELLE-SC " MASTERLINE TUERANSCHLUSS "





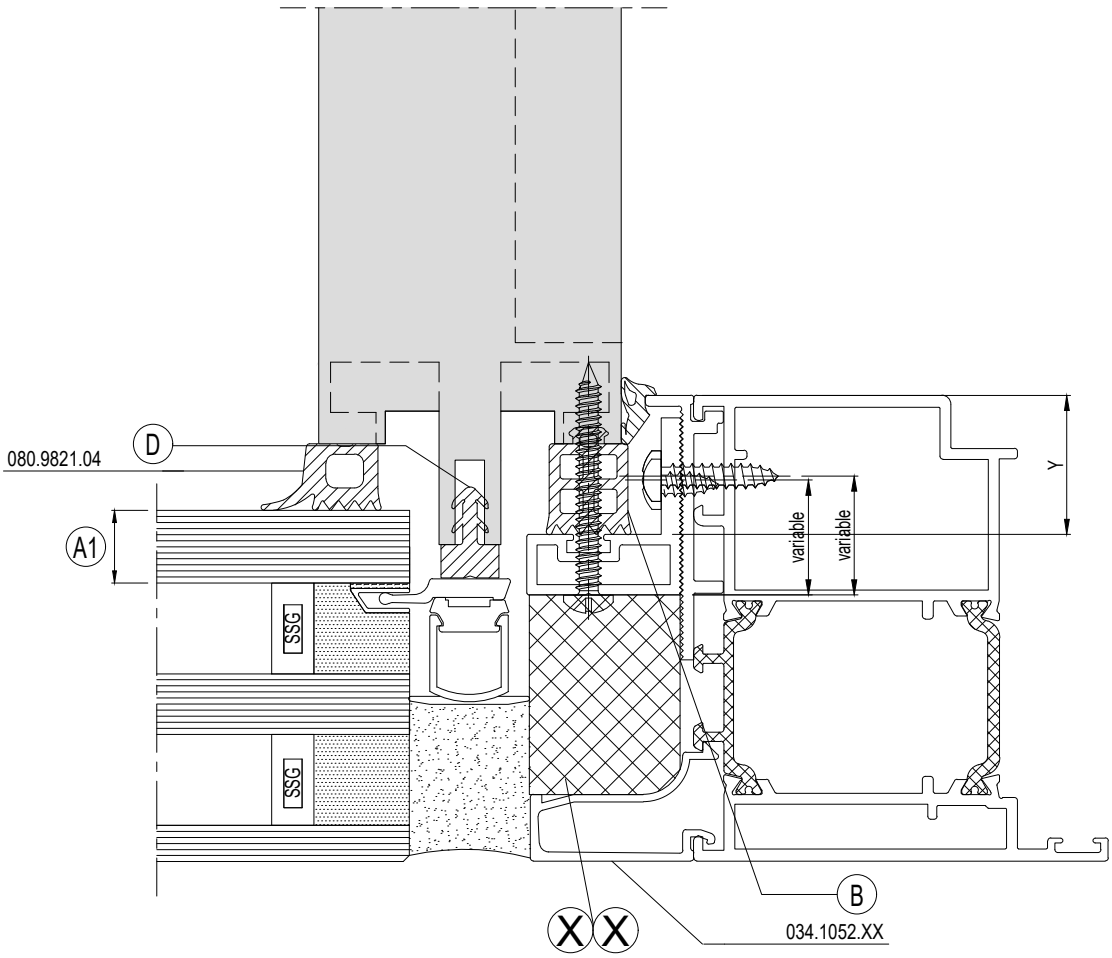
XX Polyethyleenschuim met gesloten cellen
Polyéthylène-mousse à cellules
Polyethylene closed-cell foam
Polyethylen geschlossenzelligem Schaumstoff

ETAG 002

F

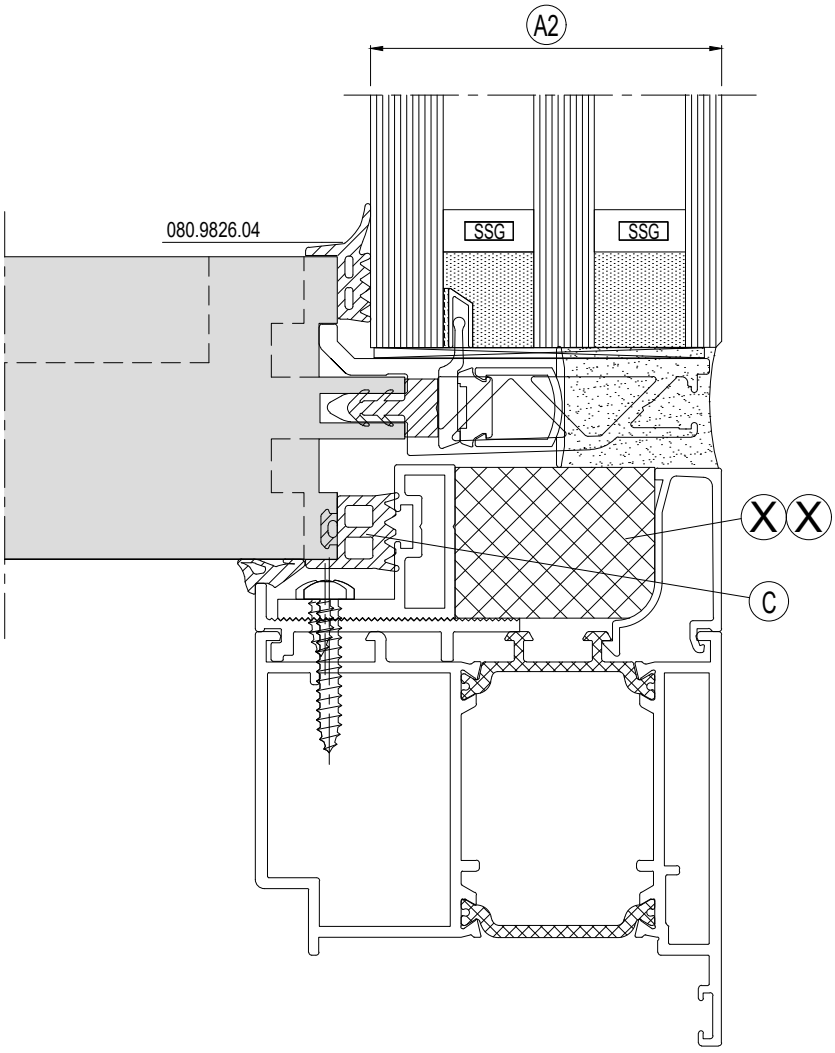
BEGLAZINGSTABEL-SC " MASTERLINE DEURAANSLUITING "
TABLEAU DE VITRAGE-SC " MASTERLINE RACCORDEMENT DE PORTE "
GLAZING TABLE-SC " MASTERLINE DOOR CONNECTION "
VERGLASUNGSTABELLE-SC " MASTERLINE TUERANSCHLUSS "

A1	B				C				D			
	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm
6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	---	080.9270.04	080.9271.04	080.9272.04



ETAG 002

A2	Y			
	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm
34mm	41mm	43mm	45mm	47mm
35mm	40mm	42mm	44mm	46mm
36mm	39mm	41mm	43mm	45mm
37mm	38mm	40mm	42mm	44mm
38mm	37mm	39mm	41mm	43mm
39mm	36mm	38mm	40mm	42mm
40mm	35mm	37mm	39mm	41mm
41mm	34mm	36mm	38mm	40mm
42mm	33mm	35mm	37mm	39mm
43mm	32mm	34mm	36mm	38mm
44mm	31mm	33mm	35mm	37mm
45mm	30mm	32mm	34mm	36mm
46mm	29mm	31mm	33mm	35mm
47mm	28mm	30mm	32mm	34mm
48mm	27mm	29mm	31mm	33mm
49mm	26mm	28mm	30mm	32mm
50mm	25mm	27mm	29mm	31mm
51mm	24mm	26mm	28mm	30mm
52mm	23mm	25mm	27mm	29mm
53mm	22mm	24mm	26mm	28mm
54mm		23mm	25mm	27mm
55mm		22mm	24mm	26mm
56mm			23mm	25mm
57mm			22mm	24mm
58mm				23mm



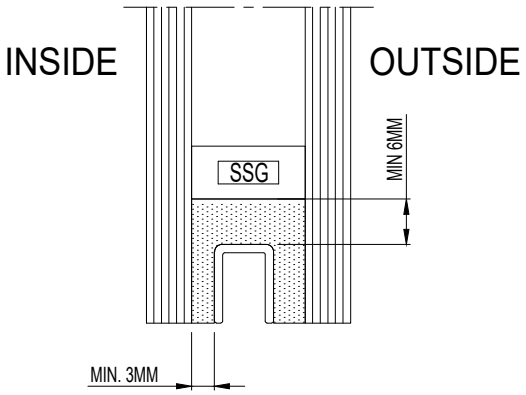
X X Polyethyleenschuim met gesloten cellen
Polyéthylène-mousse à cellules
Polyethylene closed-cell foam
Polyethylen geschlossenzelligem Schaumstoff

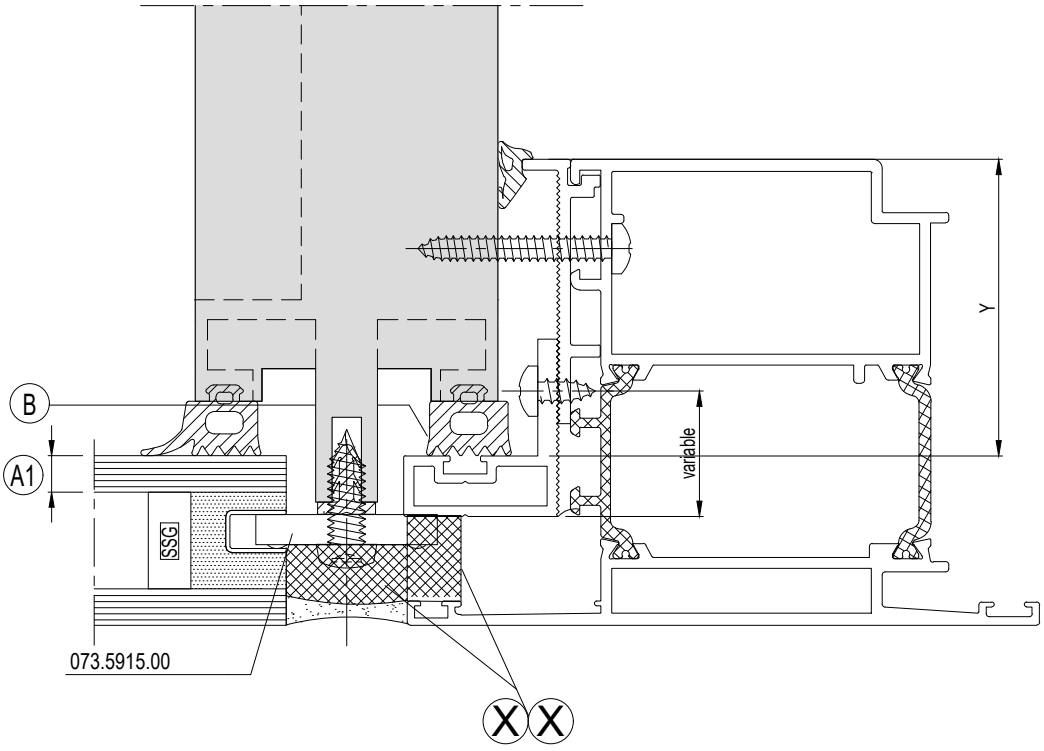
ETAG 002

F

BEGLAZINGSTABEL-SC " MASTERLINE DEURAANSLUITING "
TABLEAU DE VITRAGE-SC " MASTERLINE RACCORDEMENT DE PORTE "
GLAZING TABLE-SC " MASTERLINE DOOR CONNECTION "
VERGLASUNGSTABELLE-SC " MASTERLINE TUERANSCHLUSS "

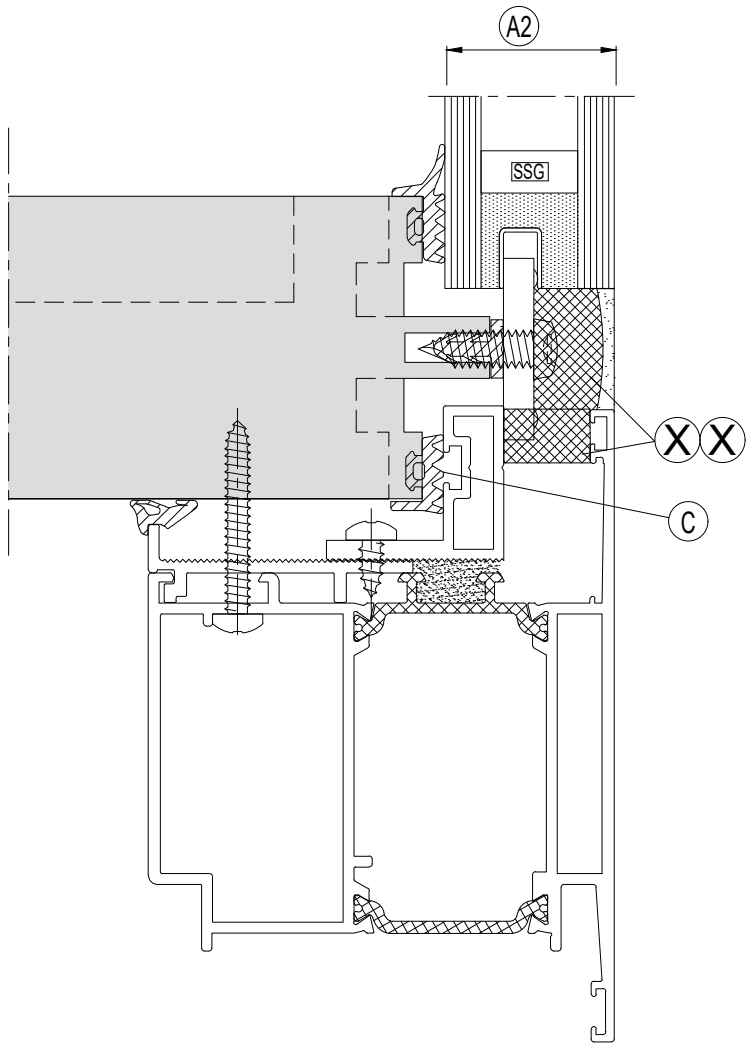
A2	A1	B				C				Y			
		A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm
28mm	6/8/10/12 mm	080.9810.SY	080.9871.04			080.9815.04	080.9876.04			49mm	51mm		
29mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		48mm	50mm	52mm	
30mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		47mm	49mm	51mm	
31mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	46mm	48mm	50mm	50mm
32mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	45mm	47mm	49mm	49mm
33mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		44mm	46mm	48mm	





ETAG 002

BEGLAZINGSTABEL-SC " MASTERLINE DEURAANSLUITING "
TABLEAU DE VITRAGE-SC " MASTERLINE RACCORDEMENT DE PORTE "
GLAZING TABLE-SC " MASTERLINE DOOR CONNECTION "
VERGLASUNGSTABELLE-SC " MASTERLINE TUERANSCHLUSS "



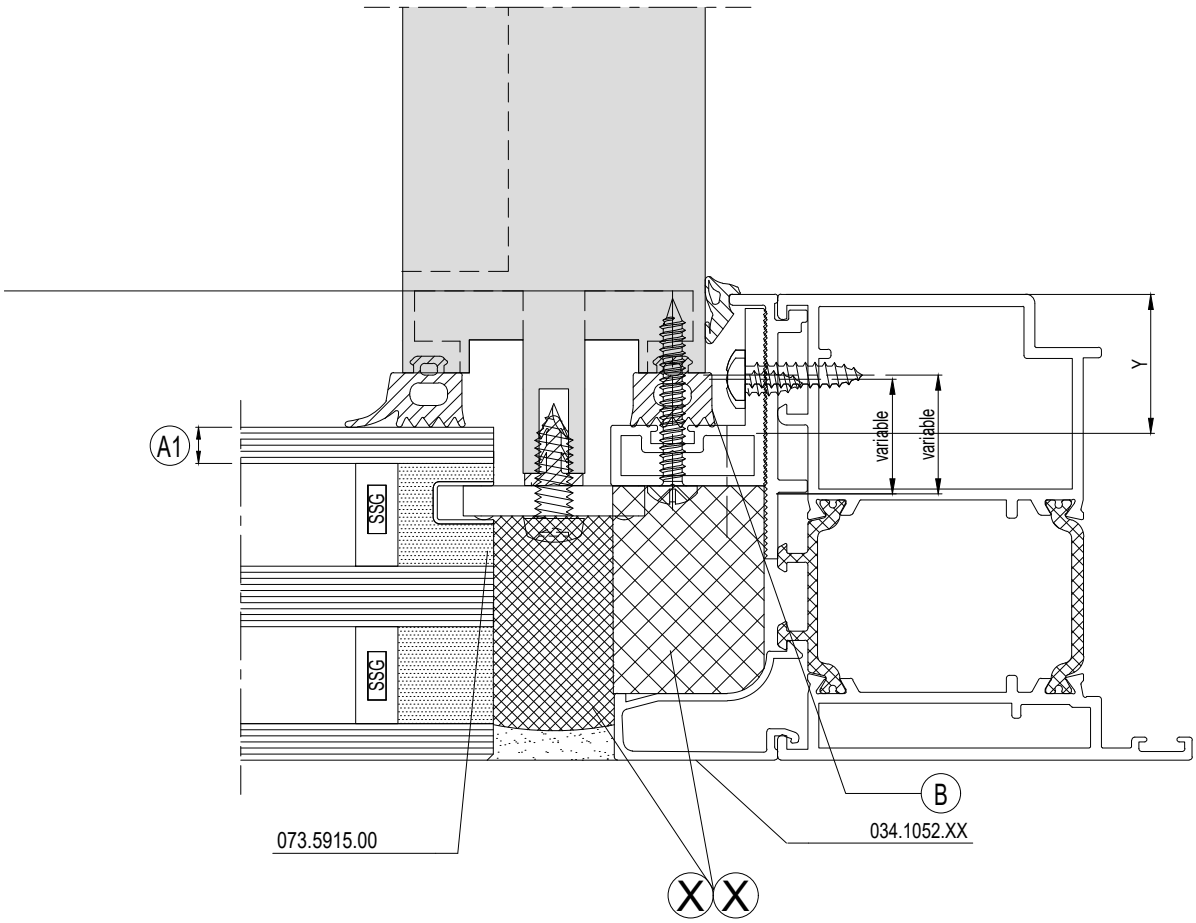
XX Polyethyleenschuim met gesloten cellen
Polyéthylène-mousse à cellules
Polyethylene closed-cell foam
Polyethylen geschlossenzelligem Schaumstoff

ETAG 002

BEGLAZINGSTABEL-SC " MASTERLINE DEURAANSLUITING "
TABLEAU DE VITRAGE-SC " MASTERLINE RACCORDEMENT DE PORTE "
GLAZING TABLE-SC " MASTERLINE DOOR CONNECTION "
VERGLASUNGSTABELLE-SC " MASTERLINE TUERANSCHLUSS "

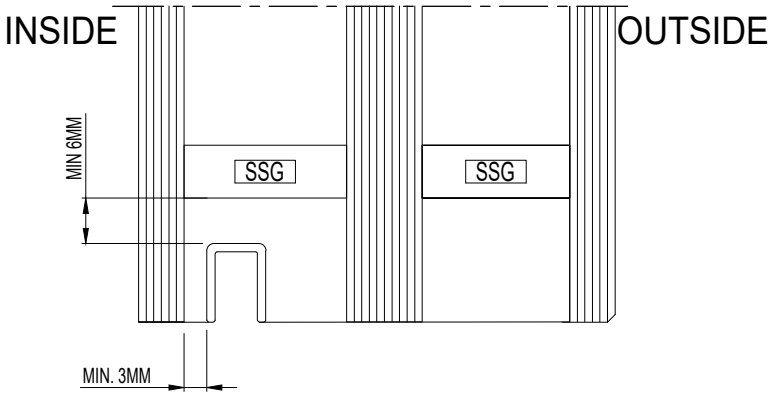
Reynaers Aluminium

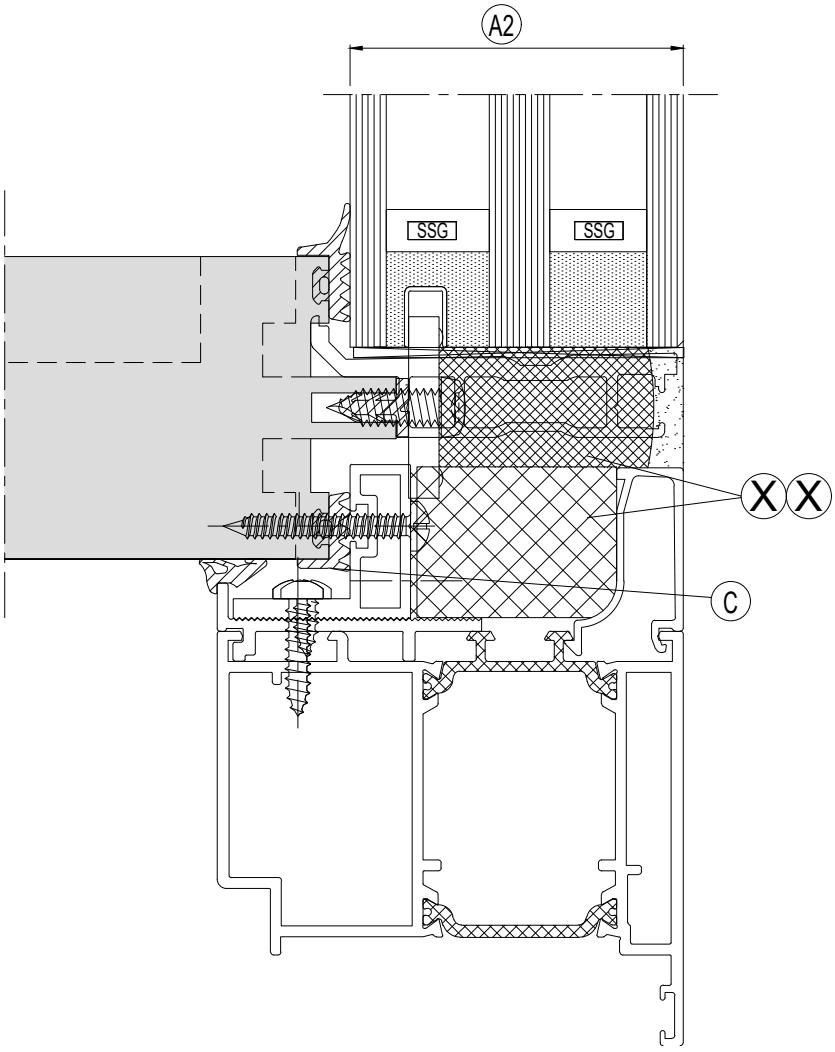
A2	A1	B				C				Y			
		A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm	A1 6 mm	A1 8 mm	A1 10 mm	A1 12 mm
34mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		43mm	45mm	47mm	
35mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	42mm	44mm	46mm	48mm
36mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	41mm	43mm	45mm	47mm
37mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		40mm	42mm	44mm	
38mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		39mm	41mm	43mm	
39mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	38mm	40mm	42mm	44mm
40mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	37mm	39mm	41mm	43mm
41mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		36mm	38mm	40mm	
42mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		35mm	37mm	39mm	
43mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		34mm	36mm	38mm	
44mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		33mm	35mm	37mm	
45mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		32mm	34mm	36mm	
46mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		31mm	33mm	35mm	
47mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	30mm	32mm	34mm	36mm
48mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	29mm	31mm	33mm	35mm
49mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		28mm	30mm	32mm	
50mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		27mm	29mm	31mm	
51mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	26mm	28mm	30mm	32mm
52mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	25mm	27mm	29mm	31mm
53mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		24mm	26mm	28mm	
54mm	6/8/10/12 mm	080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		23mm	25mm	27mm	
55mm	6/8/10/12 mm	080.9810.SY	080.9871.04	080.9812.04	080.9814.04	080.9815.04	080.9876.04	080.9817.04	080.9827.04	22mm	24mm	26mm	28mm
56mm	6/8/10/12 mm		080.9871.04	080.9812.04	080.9814.04		080.9876.04	080.9817.04	080.9827.04		23mm	25mm	27mm
57mm	6/8/10/12 mm		080.9812.04	080.9814.04			080.9817.04	080.9827.04			22mm	24mm	
58mm	6/8/10/12 mm			080.9814.04				080.9827.04				23mm	
59mm	6/8/10/12 mm			080.9812.04	080.9814.04			080.9817.04	080.9827.04			22mm	24mm
60mm	6/8/10/12 mm				080.9814.04				080.9827.04				23mm



ETAG 002

2





XX Polyethyleenschuim met gesloten cellen
Polyéthylène-mousse à cellules
Polyethylene closed-cell foam
Polyethylen geschlossenzelligem Schaumstoff

ETAG 002

F

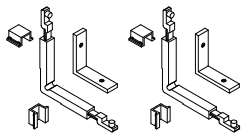
BEGLAZINGSTABEL VLAK DAKRAAM-HI
TABLEAU DE VITRAGE TABATIERE PLAT-HI
GLAZING TABLE FLUSH ROOF VENT-HI
VERGLASUNGSTABELLE DACHFENSTER-HI

G

Reynaers Aluminium

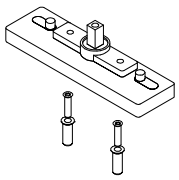
Toebehoren
Accessoires
Accessories
Zubehör

021.2072.--
(15M.G.052)

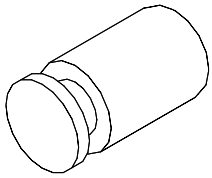


021.2288.XX
(15M.G.046)

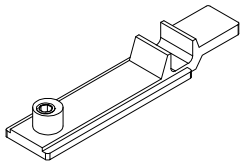
021.2289.--
(15M.G.046)



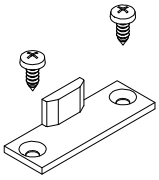
021.2291.--
(15M.G.052)



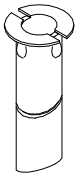
021.2294.--
(15M.G.052)



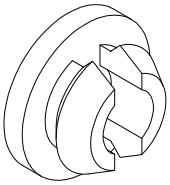
021.2295.--
(15M.G.052)



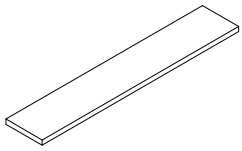
021.3039.07
(15M.G.070)



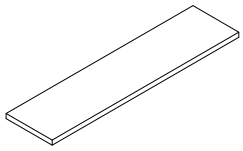
021.5044.SY
(15M.G.070)



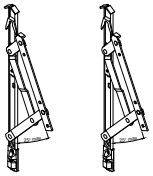
021.5632.04
(15M.G.038)



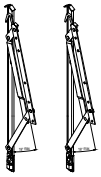
021.5633.04
(15M.G.038)



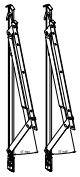
021.5640.--
(15M.G.060)



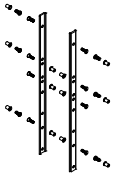
021.5650.--
(15M.G.061)



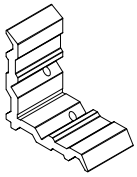
021.5660.--
(15M.G.062)



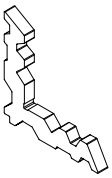
021.5842.00
(15M.G.070)



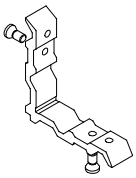
021.5846.00
(15M.G.012)



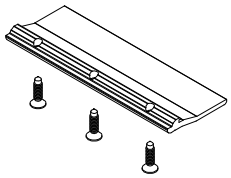
021.5847.00
(15M.G.012)



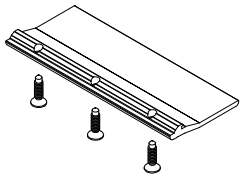
021.5848.00
(15M.G.012)



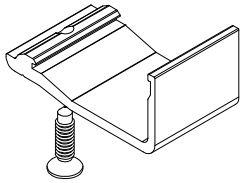
021.5859.35
(15M.G.037)



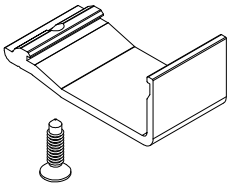
021.5860.35
(15M.G.037)



021.5861.35
(15M.G.038)



021.5862.35
(15M.G.038)

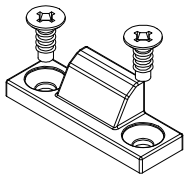


022.1077.SY
(15M.G.025)

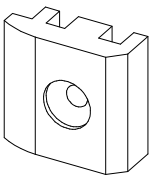
022.1078.SY
(15M.G.025)

022.1079.SY
(15M.G.025)

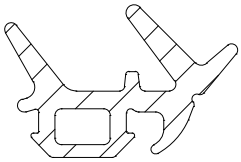
022.5255.--
(15M.G.052)



025.1007.07
(15M.G.066)

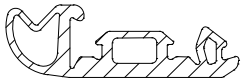


029.5013.04
(15M.G.028)

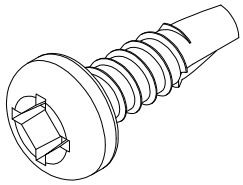


029.5616.04
(15M.G.028)

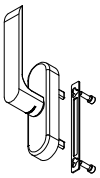
029.5617.04
(15M.G.028)



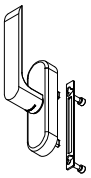
037.7465.--
(15M.G.070)



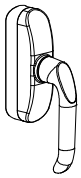
060.5028.XX
(15M.G.045)



060.5064.XX
(15M.G.045)

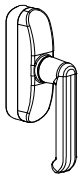


060.6212.PA
(15M.G.047)



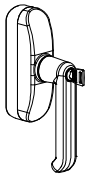
060.6214.PA
(15M.G.048)

060.6216.PA
(15M.G.048)

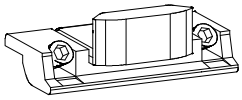


G

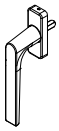
060.6217.PA
(15M.G.048)



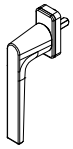
060.6242.--
(15M.G.054)



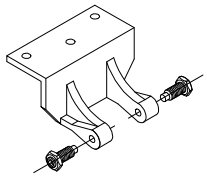
060.6455.XX
(15M.G.043)



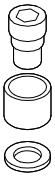
060.6459.PA
(15M.G.043)



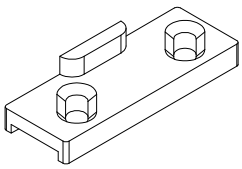
060.6826.PA
(15M.G.073)



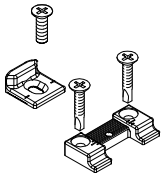
060.7065.--
(15M.G.053)



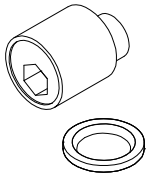
060.7072.--
(15M.G.054)



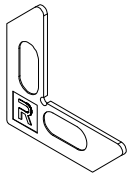
060.7075.--
(15M.G.053)



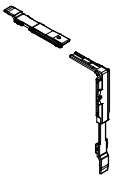
060.7076.--
(15M.G.054)



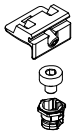
060.7722.--
(15M.G.013)



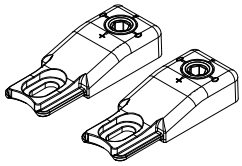
060.7872.--
(15M.G.051)



060.7889.--
(15M.G.054)



060.8100.--
(15M.G.055)



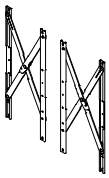
060.8104.--
(15M.G.055)

060.8105.--
(15M.G.055)

060.8106.--
(15M.G.056)

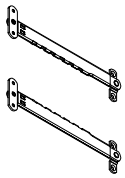
060.8107.--
(15M.G.056)

060.8115.--
(15M.G.064)

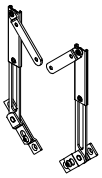


060.8119.--
(15M.G.064)

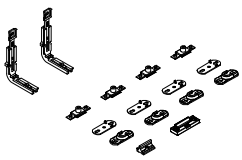
060.8123.--
(15M.G.063)



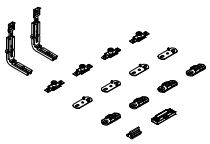
060.8124.--
(15M.G.063)



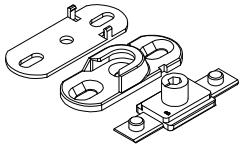
060.8131.--
(15M.G.049)



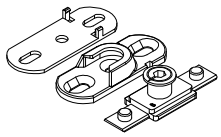
060.8132.--
(15M.G.050)



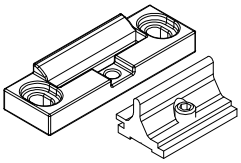
060.8135.--
(15M.G.049)



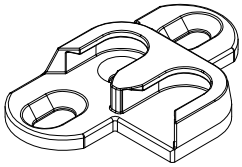
060.8136.--
(15M.G.050)



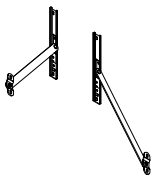
060.8139.--
(15M.G.051)



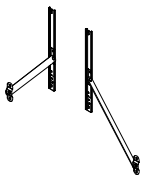
060.8143.--
(15M.G.051)



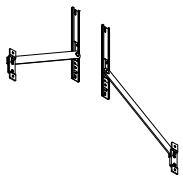
060.8154.--
(15M.G.063)



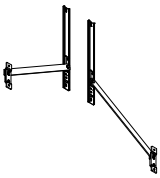
060.8157.--
(15M.G.063)



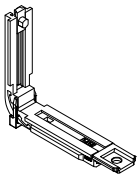
060.8174.--
(15M.G.064)



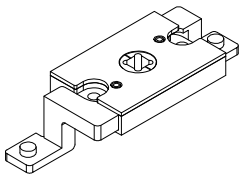
060.8177.--
(15M.G.064)



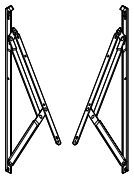
060.8181.--
(15M.G.051)



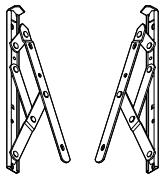
060.8199.--
(15M.G.042)



060.8287.--
(15M.G.058)

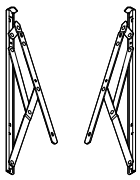


060.8310.--
(15M.G.057)

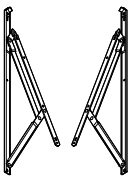


G

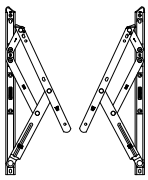
060.8311.--
(15M.G.057)



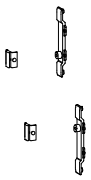
060.8312.--
(15M.G.059)



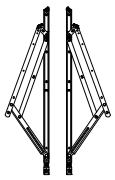
060.8314.--
(15M.G.058)



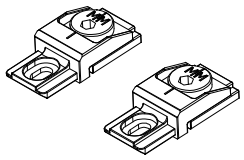
060.8346.--
(15M.G.054)



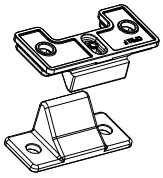
060.8370.--
(15M.G.059)



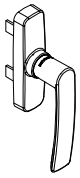
060.8372.--
(15M.G.057)



060.8373.--
(15M.G.051)

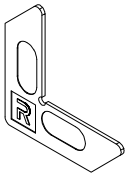


060.8583.PA
(15M.G.047)

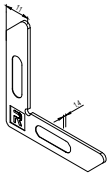


060.8586.XX
(15M.G.043)

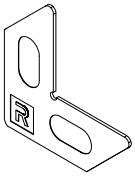
060.8720.--
(15M.G.012)



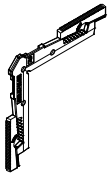
060.8721.00
(15M.G.011)



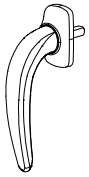
060.8723.--
(15M.G.011)



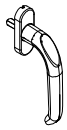
060.8746.00
(15M.G.010))



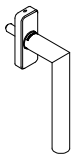
060.8914.PA
(15M.G.044)



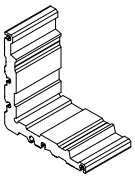
061.6451.XX
(15M.G.044)



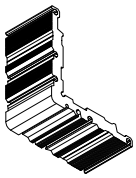
061.8961.--
(15M.G.044)



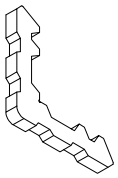
068.7300.00
(15M.G.013)



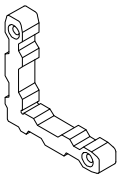
068.7303.00
(15M.G.010))



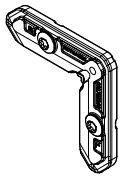
068.7323.00
(15M.G.010))



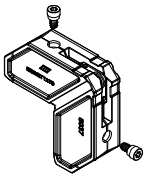
068.7524.00
(15M.G.014)



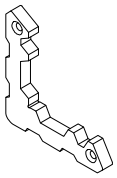
068.7526.00
(15M.G.015)



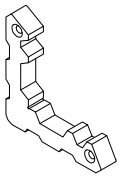
068.7527.00
(15M.G.015)



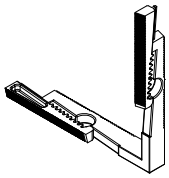
068.7528.00
(15M.G.014)



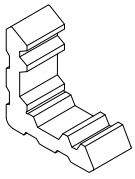
068.7529.00
(15M.G.014)



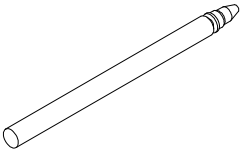
068.7563.00
(15M.G.011)



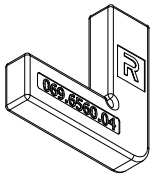
068.7598.00
(15M.G.013)



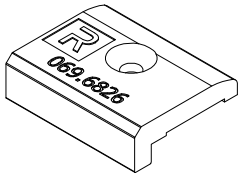
068.8937.--
(15M.G.073)



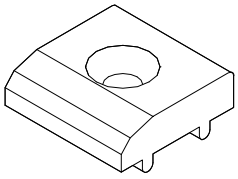
069.6560.04
(15M.G.010))



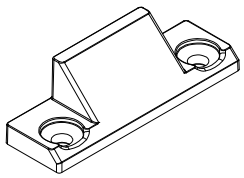
069.6826.04
(15M.G.068)



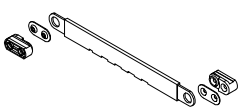
069.6732.01
(15M.G.068)



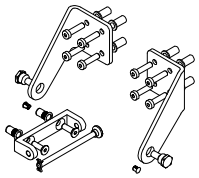
069.7073.01
(15M.G.051)



071.6551.--
(15M.G.071)

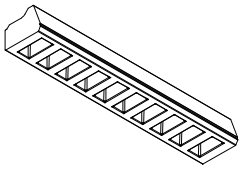


071.6565.--
(15M.G.071)



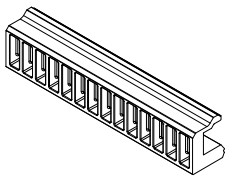
071.6570.17
(15M.G.067)

071.6571.04
(15M.G.067)

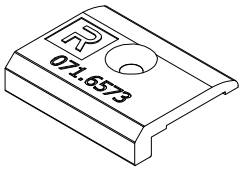


G

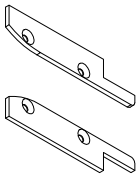
071.6572.04
(15M.G.067)



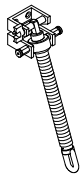
071.6573.04
(15M.G.068)



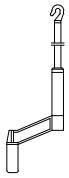
071.7010.XX
(15M.G.067)



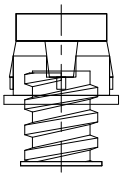
071.8445.17
(15M.G.071)



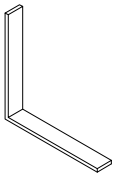
071.8446.--
(15M.G.071)



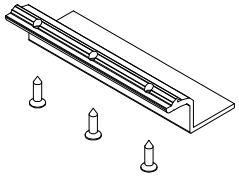
073.5215.04
(15M.G.069)



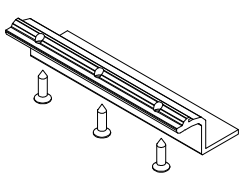
073.6333.00
(15M.G.010)



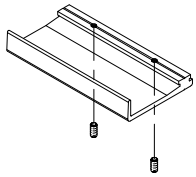
073.7108.--
(15M.G.037)



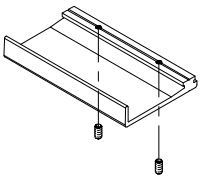
073.7109.--
(15M.G.037)



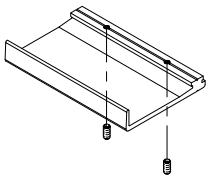
073.7280.39
(15M.G.040)



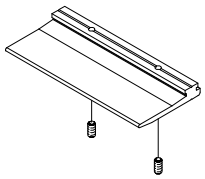
073.7282.39
(15M.G.040)



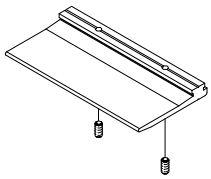
073.7284.39
(15M.G.040)



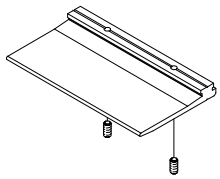
073.7290.39
(15M.G.039)



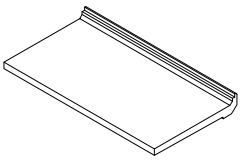
073.7291.39
(15M.G.039)



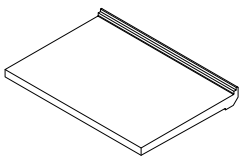
073.7292.39
(15M.G.039)



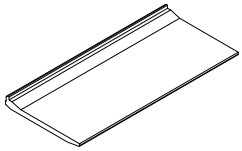
073.8218.00
(15M.G.041)



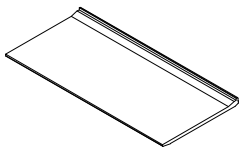
073.8219.00
(15M.G.041)



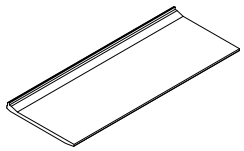
073.8400.00
(15M.G.034)



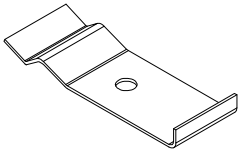
073.8401.00
(15M.G.034)



073.8402.00
(15M.G.034)



073.8930.--
(15M.G.069)



080.9123.SY
(15M.G.023)

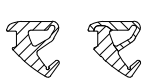
.04 .47
.N4 .N7

080.9124.SY
(15M.G.023)

.04 .47
.N4 .N7

080.9125.SY
(15M.G.023)

.04 .47
.N4 .N7



080.9126.SY
(15M.G.024)

.04 .47
.N4 .N7

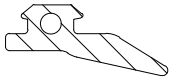
080.9128.SY
(15M.G.024)

.04
.N4

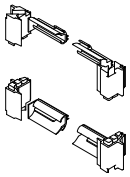
080.9130.SY
(15M.G.024)

.04
.N4

080.9180.04
(15M.G.030)

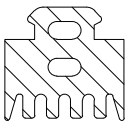


080.9250.04
(15M.G.028)

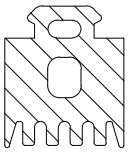


080.9299.04
(15M.G.029)

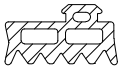
080.9300.04
(15M.G.022)



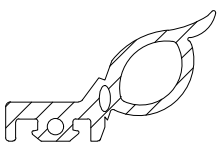
080.9301.04
(15M.G.022)



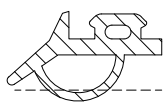
080.9303.04
(15M.G.022)



080.9347.04
(15M.G.030)



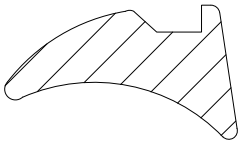
080.9352.04
(15M.G.029)



G

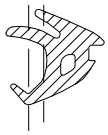
080.9360.04
(15M.G.019)

080.9362.04
(15M.G.019)

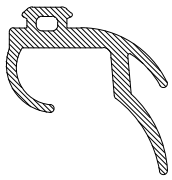


080.9381.04
(15M.G.021)

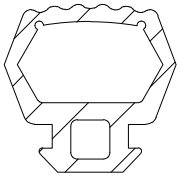
080.9391.04
(15M.G.025)



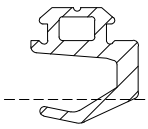
080.9411.04
(15M.G.028)



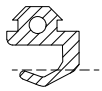
080.9430.04
(15M.G.020)



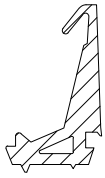
080.9444.04
(15M.G.020)



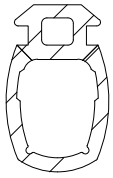
080.9446.04
(15M.G.020)



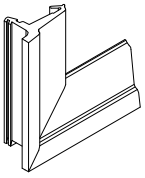
080.9453.04
(15M.G.029)



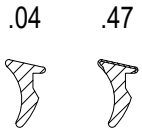
080.9454.04
(15M.G.020)



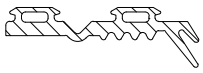
080.9473.04
(15M.G.029)



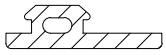
080.9505.SY
(15M.G.019)



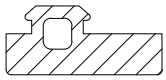
080.9754.04
(15M.G.030)



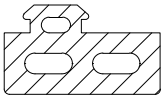
080.9805.04
(15M.G.017)



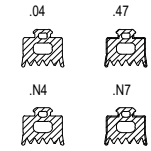
080.9808.04
(15M.G.017)



080.9809.04
(15M.G.017)

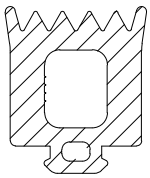


080.9810.SY
(15M.G.026)

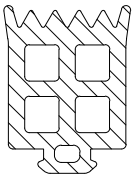


.N4 .N7 NOT SILICONISED

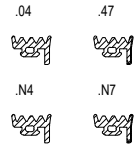
080.9812.04
(15M.G.026)



080.9814.04
(15M.G.026)

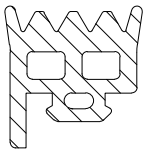


080.9815.SY
(15M.G.027)

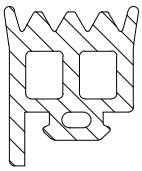


.N4 .N7 NOT SILICONISED

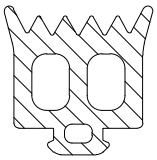
080.9817.04
(15M.G.027)



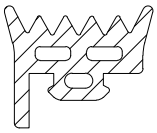
080.9827.04
(15M.G.027)



080.9871.04
(15M.G.026)



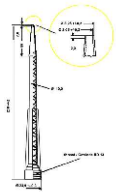
080.9876.04
(15M.G.027)



084.9063.XX
(15M.G.094)

084.9080.--
(15M.G.093)

084.9086.--
(15M.G.093)



084.9104.04
(15M.G.094)

084.9108.04
(15M.G.093)

086.9150.--
(15M.G.094)

086.9160.--
(15M.G.095)

086.9206.SY
(15M.G.093)

086.9210.--
(15M.G.096)

086.9211.--
(15M.G.095)

086.9212.--
(15M.G.096)

G

086.9213.--
(15M.G.096)

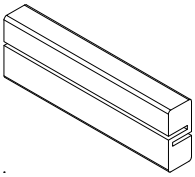
086.9231.--
(15M.G.094)

086.9232.--
(15M.G.094)

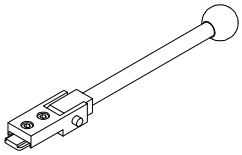
086.9551.--
(15M.G.093)

086.9600.XX
(15M.G.095)

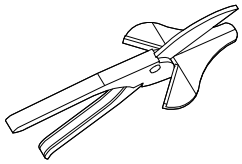
087.9884.07
(15M.G.072)



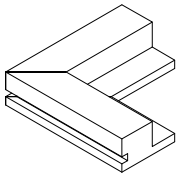
090.0113.00
(15M.G.097)



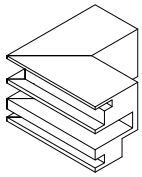
090.0121.00
(15M.G.097)



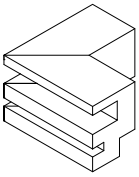
095.20DD.00
(15M.G.105)



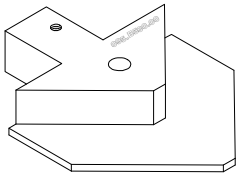
095.20TG.00
(15M.G.105)



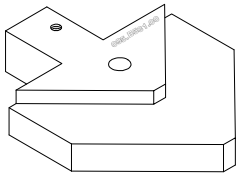
095.21TP.00
(15M.G.105)



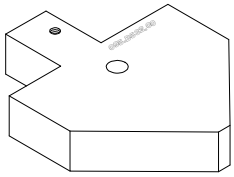
095.B530.00
(15M.G.108)



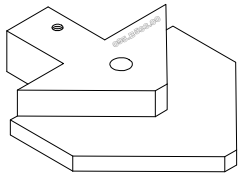
095.B531.00
(15M.G.108)



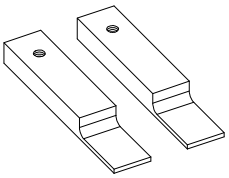
095.B532.00
(15M.G.107)



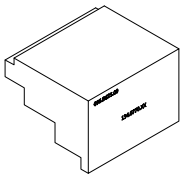
095.B533.00
(15M.G.107)



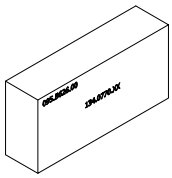
095.B560.00
(15M.G.110)



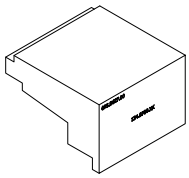
095.B625.00
(15M.G.102)



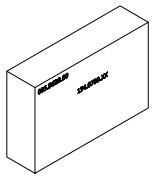
095.B626.00
(15M.G.102)



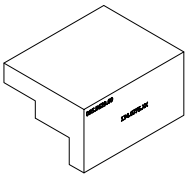
095.B627.00
(15M.G.103)



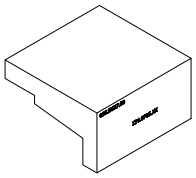
095.B628.00
(15M.G.103)



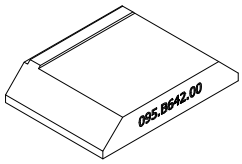
095.B629.00
(15M.G.102)



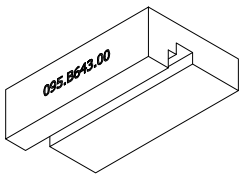
095.B637.00
(15M.G.103)



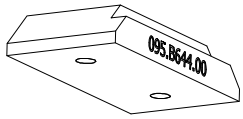
095.B642.00
(15M.G.104)



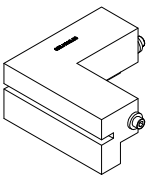
095.B643.00
(15M.G.104)



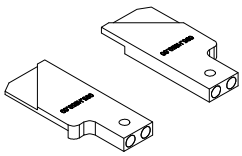
095.B644.00
(15M.G.104)



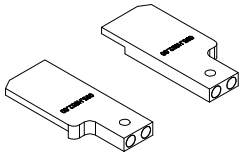
095.H810.00
(15M.G.106)



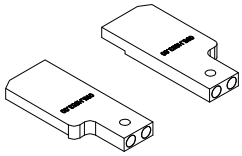
095.H850.00
(15M.G.110)



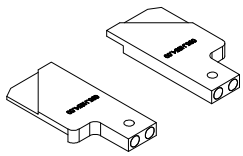
095.H852.00
(15M.G.111)



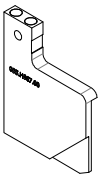
095.H853.00
(15M.G.109)



095.H854.00
(15M.G.109)

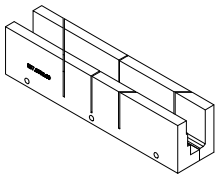


095.H867.00
(15M.G.111)

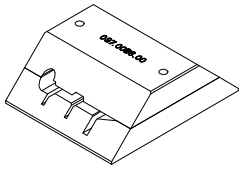


095.H900.00
(15M.G.101)

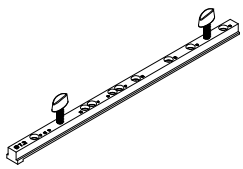
097.0005.00
(15M.G.112)



097.0086.00
(15M.G.112)

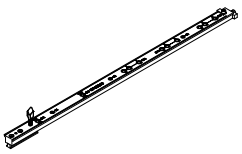


097.0558.00
(15M.G.099)



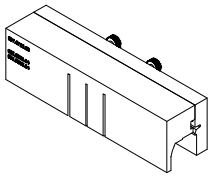
G

097.0560.00
(15M.G.099)

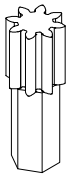


097.0721.00
(15M.G.101)

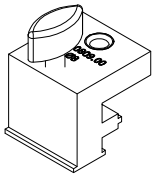
097.0730.00
(15M.G.112)



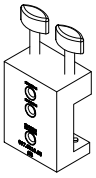
097.0754.00
(15M.G.101)



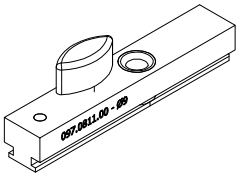
097.0809.00
(15M.G.098)



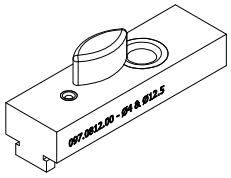
097.0810.00
(15M.G.098)



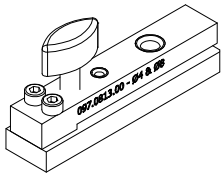
097.0811.00
(15M.G.098)



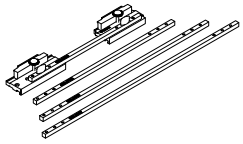
097.0812.00
(15M.G.098)



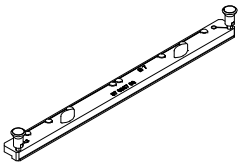
097.0813.00
(15M.G.098)



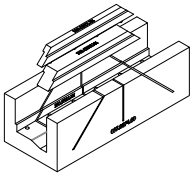
097.0856.00
(15M.G.099)



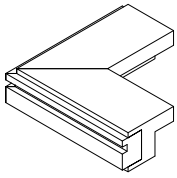
097.0857.00
(15M.G.099)



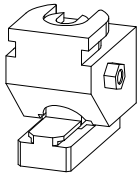
097.0874.00
(15M.G.112)



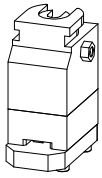
097.D200.00
(15M.G.106)



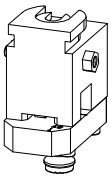
097.Q500.00
(15M.G.100)



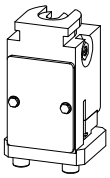
097.R400.00
(15M.G.100)



097.R500.00
(15M.G.100)

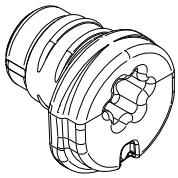


097.S100.00
(15M.G.100)

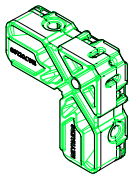


160.6999.--
(15M.G.042)

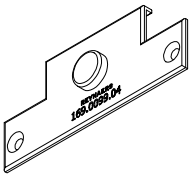
168.5000.00
(15M.G.015)



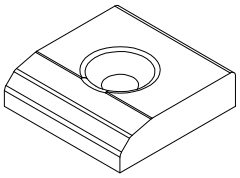
168.7012.MX
(15M.G.015)



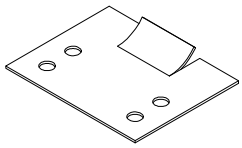
169.0099.04
(15M.G.042)



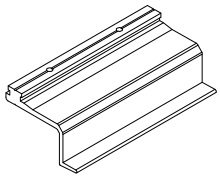
169.6826.07
(15M.G.068)



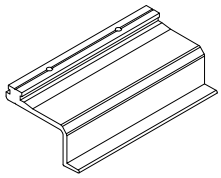
173.8255.--
(15M.G.069)



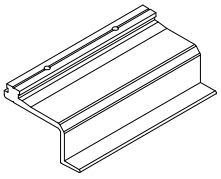
173.8511.C35
(15M.G.035)



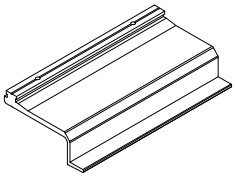
173.8512.C35
(15M.G.035)



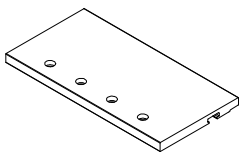
173.8513.C35
(15M.G.035)



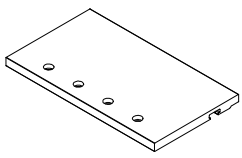
173.8514.C35
(15M.G.035)



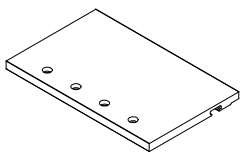
173.8531.C35
(15M.G.032)



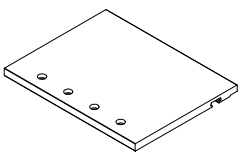
173.8532.C35
(15M.G.032)



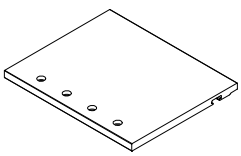
173.8533.C35
(15M.G.032)



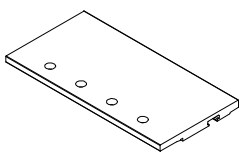
173.8535.C35
(15M.G.032)



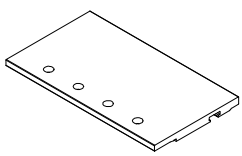
173.8536.C35
(15M.G.032)



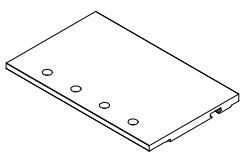
173.8541.C35
(15M.G.031)



173.8542.C35
(15M.G.031)

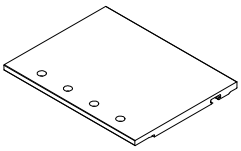


173.8543.C35
(15M.G.031)

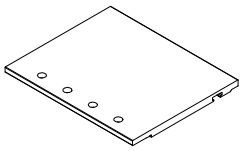


G

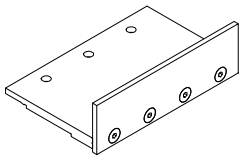
173.8545.C35
(15M.G.031)



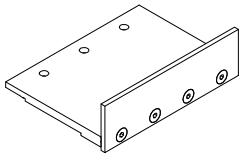
173.8546.C35
(15M.G.031)



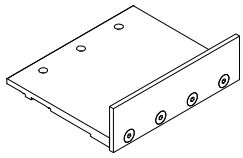
173.8560.C35
(15M.G.033)



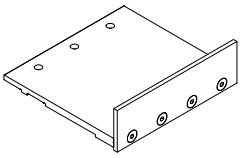
173.8561.C35
(15M.G.033)



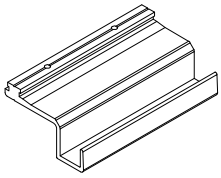
173.8562.C35
(15M.G.033)



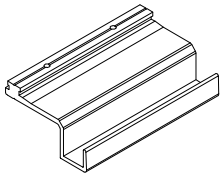
173.8563.C35
(15M.G.033)



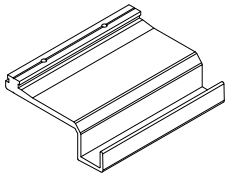
173.8571.C35
(15M.G.036)



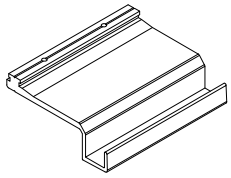
173.8573.C35
(15M.G.036)



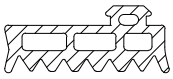
173.8574.C35
(15M.G.036)



173.8576.C35
(15M.G.036)



180.9303.04
(15M.G.022)

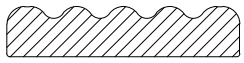


180.9322.04
(15M.G.018)

180.9325.04
(15M.G.018)

180.9326.04
(15M.G.018)

180.9625.07
(15M.G.072)

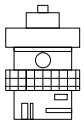


180.9805.04
(15M.G.016)

180.9808.04
(15M.G.016)

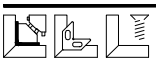
180.9809.04
(15M.G.016)

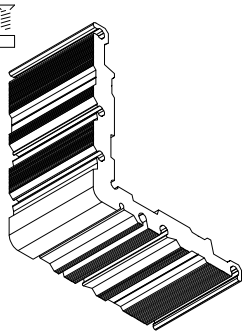
197.E900.00
(15M.G.099)



PERSHOEK
EQUERRE A SERTIR
CRIMP CORNER CLEAT
PRESSECKWINKEL

PERSHOEK
EQUERRE A SERTIR
CRIMP CORNER CLEAT
PRESSECKWINKEL





068.7303.00

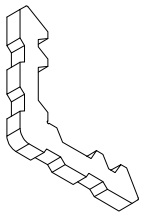
PERSHOEK 12.1x47.6mm
EQUERRE A SERTIR 12.1x47.6mm
CRIMP CORNER CLEAT 12.1x47.6mm
PRESSECKWINKEL 12.1x47.6mm
ESCUADRA DE ENSAMBLAR 12.1x47.6mm
NAROZNIK ZACISKANY 12.1x47.6mm

H=86.1
B=12.1
W=47.6

CW OUTWARD OPENING
134.0125.XX
134.0130.XX
134.0135.XX
134.0140.XX
134.0145.XX
134.2130.XX
134.2135.XX
134.2140.XX

CW 50

068.7323.00

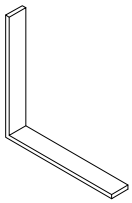


PERSHOEK
EQUERRE A SERTIR
CRIMP CORNER CLEAT
PRESSECKWINKEL
ESCUADRA DE ENSAMBLAR
NAROZNIK ZACISKANY

L=67
W=67
H=7.5

CW OUTWARD OPENING
134.2130.XX
134.2135.XX
134.2140.XX

073.6333.00

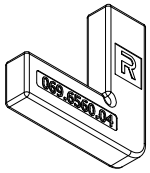


VULHOEK
EQUERRE DE REMPLISSAGE
CORNER SUPPORT
FUELLECKWINKEL
ESCUADRA DE RELLENO
WSPORNIK NAROZNY

L=60
W=60
H=9.3
T=2

CW OUTWARD OPENING
134.2130.XX
134.2135.XX
134.2140.XX

069.6560.04

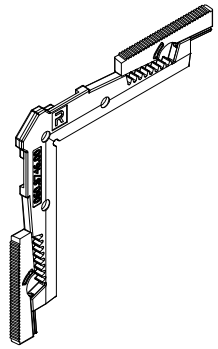


HOEKVERBINDER
EQUERRE
CORNER CLEAT
ECKVERBINDER
ESCUADRA
LACZNIK NAROZNY

H=45
B=45
D=8.5

CW OUTWARD OPENING
134.0180.04
134.0183.04
134.0186.04

060.8746.00

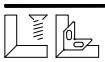


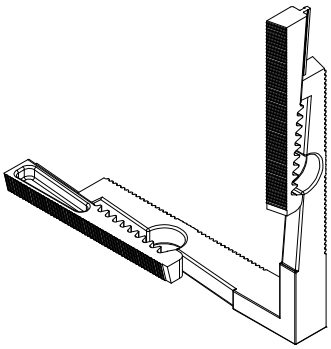
STEUNHOEK 16.4x3.5MM
CALE DE FEUILLURE 16.4x3.5MM
REBATE SUPPORT 16.4x3.5MM
ECKWINKEL 16.4x3.5MM
ESCUADRA DE ALINEAMIENTO 16.4x3.5MM
KATOWY NAROZNIK 16.4x3.5MM

H=91.5
B=91.5
D=3.5

BS 40	108.0116.XX	108.0850.XX	1K8.0847.XX
038.0821.XXPU	108.0120.XX	108.0854.XX	1K8.0850.XX
038.0822.XX	108.0123.XX	108.0936.XX	1K8.0854.XX
	108.0155.XX	108.0937.XX	
CF 77	108.0817.XX	108.1986.XX	**CF 77-AP**
108.0113.XX	108.0824.XX	1K8.0155.XX	108.0113.XX
108.0114.XX	108.0847.XX	1K8.0824.XX	108.0114.XX

G





068.7563.00

HOEKSTUK
PIECE D'ANGLE
CORNER PIECE
ECKSTUECK
PIEZA CANTONERA
NAROZNIK

H=70
B=70
D=16.48

CW 50
034.0155.XX
034.1121.XX

CW 50-HI
007.0331.XX
007.0341.XX

CW 50-HL
034.0155.XX
034.1121.XX

CW 50-SC
034.0155.XX
034.1121.XX

CW 50-SG
034.0166.XX

CW 50-VL
034.0155.XX
034.1121.XX

CW 60
034.0155.XX
034.1121.XX

CW 60-HI
007.0331.XX
007.0341.XX

CW 60-HL
034.0155.XX
034.1121.XX

CW 60-SC
034.0155.XX
034.1121.XX

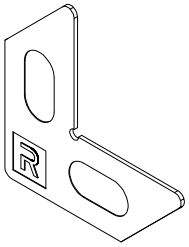
CW 60-SG
034.0166.XX

CW 65-EF
034.0155.XX
034.1121.XX

CS 77-FP
CW OUTWARD OPENING

ParalLine

060.8723.--



STEUNHOEK 21x1MM
CALE DE FEUILLURE 21x1MM
REBATE SUPPORT 21x1MM
ECKWINKEL 21x1MM
ESCUADRA DE ALINEAMIENTO 21x1MM
KATOWY NAROZNIK 21x1MM

H=50
B=50
D=1

CW 50
001.0538.XX
001.0826.XX
005.0538.XX
005.0826.XX
007.0766.XX
008.3538.XX
008.3826.XX

CW 50-HI
008.3539.XX
008.3827.XX

CW 60
001.0538.XX
001.0826.XX
005.0538.XX
005.0826.XX
007.0766.XX
008.3538.XX
008.3826.XX

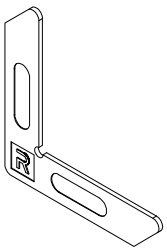
BS 40
CF 77
CF 77-AP
CP 130
CP 130-LS
CP 130Pa
CP 130Pa-LS
CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CP 96
CP 96-AP
CP 96-LS

CP 96-LS/AP
CR 120
CS 104-HI+
CS 38-SL
CS 38-SL/AP
CS 59
CS 59-AD
CS 59-CD
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SD
CS 59-SO
CS 68
CS 68-FP
CS 68-HV
CS 68-RE
CS 68-SO

CS 77
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-RE
CS 77-SO
CS 77-SP
CS 86-HI
CSW 86-HI
CW 60-DRL
CW OUTWARD OPENING
ES 50
ES 50-AP
MASTERLINE 8-Fu

CW 60-HI
MEDAS
TR 200

060.8721.00



STEUNHOEK
CALE DE FEUILLURE
REBATE SUPPORT
ECKWINKEL
ESCUADRA DE ALINEAMIENTO
KATOWY NAROZNIK

H=43
B=43
D=1.4

CW 50
007.0775.XX
007.1765.XX

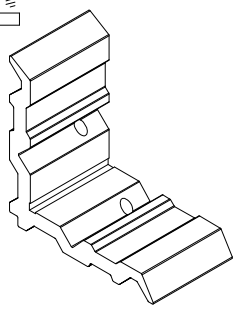
CW 50-SG
034.0165.XX
034.0166.XX
034.0167.XX

CW 60
007.0775.XX
007.1765.XX

CW 60-SG
034.0165.XX
034.0166.XX
034.0167.XX

CD 45PA
CR 120
CS 45PA
CS 77-FP
SL 68

G



021.5846.00

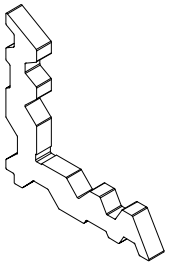
PERSHOEK 10x38.2MM
EQUERRE A SERTIR 10x38.2MM
CRIMP CORNER CLEAT 10x38.2MM
PRESSECKWINKEL 10x38.2MM
ESCUADRA DE ENSAMBLAR 10x38.2MM
NAROZNIK ZACISKANY 10x38.2MM

B=39mm
D=10mm

CW 50
034.0141.XX

CW 50-FV
034.0141.XX
034.0415.XX

CW 50-TT
034.0141.XX



021.5847.00

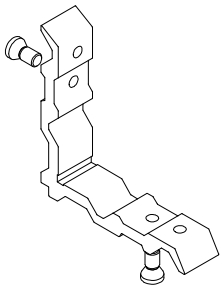
PERSHOEK 15x7.2MM
EQUERRE A SERTIR 15x7.2MM
CRIMP CORNER CLEAT 15x7.2MM
PRESSECKWINKEL 15x7.2MM
ESCUADRA DE ENSAMBLAR 15x7.2MM
NAROZNIK ZACISKANY 15x7.2MM

D=15mm
B=7.2mm

CW 50
034.0141.XX

CW 50-FV
034.0141.XX

CW 50-TT
034.0141.XX



021.5848.00

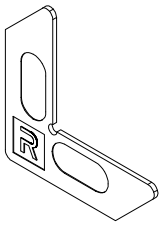
SCHROEFHOEK 8.5x16.5MM
EQUERRE A VISSER 8.5x16.5MM
SCREW CORNER CLEAT 8.5x16.5MM
SCHRAUBECKWINKEL 8.5x16.5MM
ESCUADRA DE ATORNILLAR 8.5x16.5MM
NAROZNIK SKRECANY 8.5x16.5MM

D=8.5mm
B=16.5mm

CW 50
034.0140.XX

CW 50-FV
034.0140.XX

CW 50-TT
034.0140.XX



060.8720.--

STEUNHOEK
CALE DE FEUILLURE
REBATE SUPPORT
ECKWINKEL
ESCUADRA DE ALINEAMIENTO
KATOWY NAROZNIK

B=1.4mm
D=15.2mm

CP 130
006.1687.XX

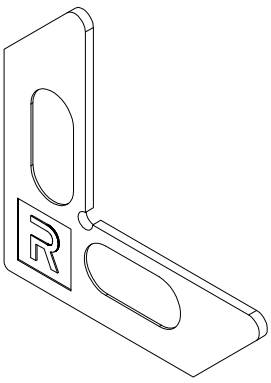
CS 77-FP
002.0024.XX

VISION 50
043.1050.XX

CW 50
CW 50-TT

G

060.7722.--



STEUNHOEK
CALE DE FEUILLURE
REBATE SUPPORT
ECKWINKEL
ESCUADRA DE ALINEAMIENTO
KATOWY NAROZNIK

H=47.8
B=47.8
D=1.9

CW 50
034.0140.XX
034.0155.XX
034.1121.XX

CW 50-FV
034.0140.XX

CW 50-HI
007.0331.XX
007.0341.XX

CW 50-HL
034.0155.XX
034.1121.XX

CW 50-SC
034.0118.XX

034.0155.XX
034.1121.XX

CW 50-SG
034.0162.XX

CW 50-TT
034.0140.XX

CW 50-VL
034.0118.XX
034.0155.XX
034.1121.XX

CW 60
034.0155.XX
034.1121.XX

CW 60-HI
007.0331.XX
007.0341.XX

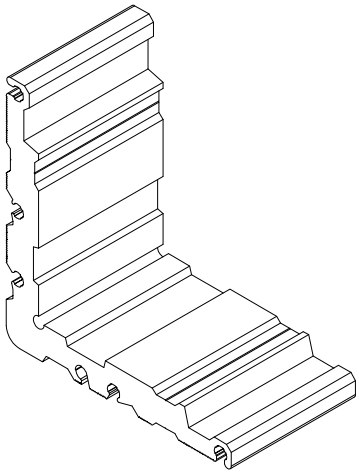
CW 60-HL
034.0155.XX
034.1121.XX

CW 60-SC
034.0155.XX
034.1121.XX

CW 65-EF
034.0155.XX
034.1121.XX

PS 50-SP
VISION 50

068.7300.00



PERSHOEK 12.1x46.5MM
EQUERRE A SERTIR 12.1x46.5MM
CRIMP CORNER CLEAT 12.1x46.5MM
PRESSECKWINKEL 12.1x46.5MM
ESCUADRA DE ENSAMBLAR 12.1x46.5MM
NAROZNIK ZACISKANY 12.1x46.5MM

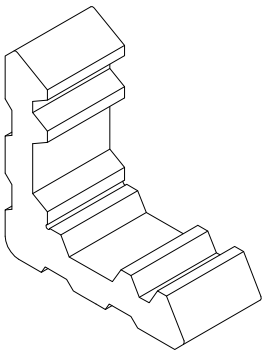
H=86.1
B=84.1
D=46.5

CW 50-SC
034.0118.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0118.XX

068.7598.00



PERSHOEK 15.8x29.5MM
EQUERRE A SERTIR 15.8x29.5MM
CRIMP CORNER CLEAT 15.8x29.5MM
PRESSECKWINKEL 15.8x29.5MM
ESCUADRA DE ENSAMBLAR 15.8x29.5MM
NAROZNIK ZACISKANY 15.8x29.5MM

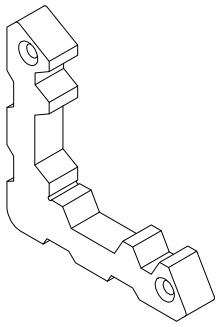
H=67
B=67
D=29.5

CW 50
034.0220.XX

CW 50-SC
034.0220.XX

CW 50-VL
034.0220.XX

SCHROEFHOEK/NAGELHOEK
EQUERRE A VISSER/EQUERRE AVEC CHEVILLE
SCREW CORN. CLEATS/ CORN. CLEAT W. DRIVE PIN
SCHRAUBECKWINKEL/ECKWINKEL MIT STIFT



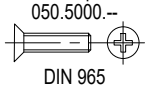
068.7529.00

SCHROEFHOEK
EQUERRE A VISSER
SCREW CORNER CLEAT
SCHRAUBECKWINKEL
ESCUADRA DE ATORNILLAR
NAROZNIK SKRECANY

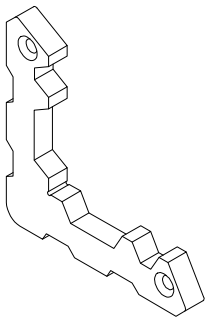
CW 50
134.0572.XX
134.0770.XX
134.0780.XX

67
15.8
10.6

2 st./pc
050.5000.--



DIN 965
M5 x 10



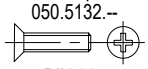
068.7528.00

SCHROEFHOEK
EQUERRE A VISSER
SCREW CORNER CLEAT
SCHRAUBECKWINKEL
ESCUADRA DE ATORNILLAR
NAROZNIK SKRECANY

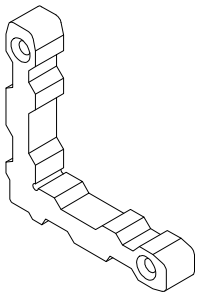
CW 50
134.0570.XX

68
15.8
6.8

2 st./pc
050.5132.--



DIN 965
M5 x 6



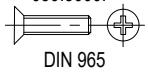
068.7524.00

SCHROEFHOEK
EQUERRE A VISSER
SCREW CORNER CLEAT
SCHRAUBECKWINKEL
ESCUADRA DE ATORNILLAR
NAROZNIK SKRECANY

CW 50
134.0570.XX
134.0572.XX

60
11.1
10.5

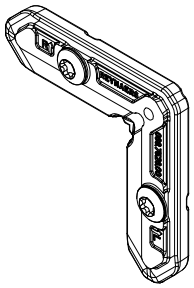
2 st./pc
050.5000.--



DIN 965
M5 x 10

G

068.7526.00

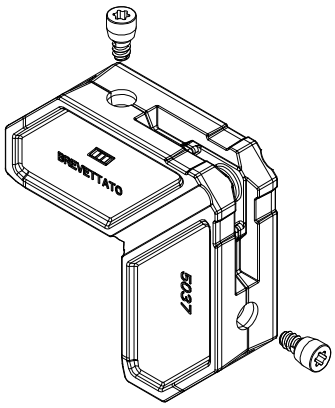


HOEKVERBINDER
EQUERRE
CORNER CLEAT
ECKVERBINDER
ESCUADRA
LACZNIK NAROZNY

H=65
B=65
D=6.4

CW 50
134.0775.XX
134.0785.XX

068.7527.00

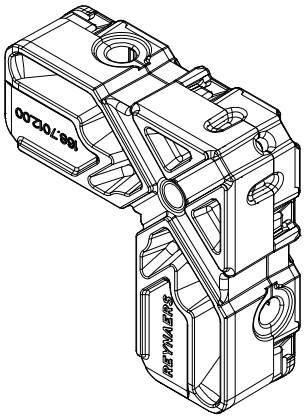


HOEKVERBINDER
EQUERRE
CORNER CLEAT
ECKVERBINDER
ESCUADRA
LACZNIK NAROZNY

H=80
B=80
D=23.1

CW 50
134.0775.XX
134.0785.XX

168.7012.MX



HOEKVERBINDER
EQUERRE
CORNER CLEAT
ECKVERBINDER
ESCUADRA
LACZNIK NAROZNY

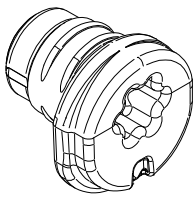
H=85
B=85
D=28.1

2 st./pc
168.5000.00

Ø7 x 10.2

CW 50	408.0192.XX	4S8.0092.XX
134.0770.XX	408.0292.XX	4S8.0192.XX
134.0780.XX	408.0392.XX	4S8.0392.XX
	408.0992.XX	508.0092.XX
MASTERLINE 10-Fu	508.0192.XX	5S8.0092.XX
501.0192.XX	508.0292.XX	5S8.0192.XX
501.0292.XX	508.0392.XX	5S8.0392.XX
501.0992.XX	508.0992.XX	
5F1.0192.XX		
	MASTERLINE 8-Sw	
MASTERLINE 8-Fu	408.0092.XX	

168.5000.00



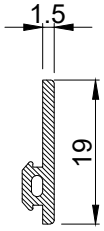
SCHROEF
VIS
SCREW
SCHRAUBE
TORNILLO
WKRET

H=10.2
D=11.2

CW 50	501.0114.XX	501.0192.XX	501.0894.XX
508.0828.XX	501.0119.XX	501.0202.XX	501.0902.XX
	501.0120.XX	501.0212.XX	501.0912.XX
MASTERLINE 10-Fu	501.0125.XX	501.0220.XX	501.0920.XX
501.0051.XX	501.0160.XX	501.0283.XX	501.0983.XX
501.0100.XX	501.0162.XX	501.0292.XX	501.0992.XX
501.0102.XX	501.0163.XX	501.0443.XX	501.1051.XX
501.0109.XX	501.0165.XX	501.0444.XX	501.1116.XX
501.0110.XX	501.0169.XX	501.0826.XX	501.1123.XX
501.0111.XX	501.0183.XX	501.0828.XX	501.1140.XX
501.0112.XX	501.0186.XX	501.0892.XX	501.1142.XX

G

180.9805.04

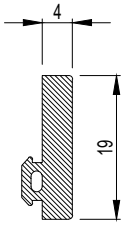


AANSLAGDICHTING 1.5 MM
JOINT DE BUTEE 1.5 MM
BUTT STRIP 1.5 MM
ANSCHLAGDICHTUNG 1.5 MM
JUNTA TOPE 1.5 MM
USZCZELKA 1.5 MM

H=1.5mm
B=19mm

CW OPENING ELEMENTS

180.9808.04

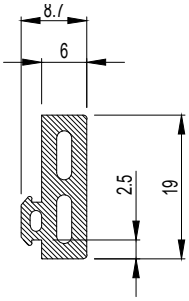


AANSLAGDICHTING 4 MM
JOINT DE BUTEE 4 MM
BUTT STRIP 4 MM
ANSCHLAGDICHTUNG 4 MM
JUNTA TOPE 4 MM
USZCZELKA 4 MM

H=4mm
B=19mm

CW OPENING ELEMENTS

180.9809.04



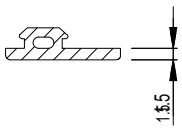
AANSLAGDICHTING 6 MM
JOINT DE BUTEE 6 MM
BUTT STRIP 6 MM
ANSCHLAGDICHTUNG 6 MM
JUNTA TOPE 6 MM
USZCZELKA 6 MM

H=6mm
B=19mm

CW OPENING ELEMENTS

080.9805.04

AANSLAGDICHTING 1.5MM
JOINT DE BUTEE 1.5MM
BUTT STRIP 1.5MM
ANSCHLAGDICHTUNG 1.5MM
JUNTA TOPE 1.5MM
USZCZELKA 1.5MM



H=4.2
B=15.5

CR 120
034.1123.04
007.0775.XX
007.1765.XX

CW 50
007.0775.XX
007.1765.XX
034.1123.04

CW 50-HL
034.1123.04

CW 50-SC
034.0182.04
034.0183.04
034.1123.04

CW 50-VL

CW 60
007.0775.XX
007.1765.XX
034.1123.04

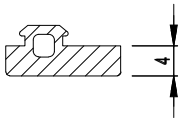
CW 60-SC
034.1123.04

CW 65-EF
034.1123.04

CS 104-HI+
CS 77-BP
CS 86-HI
CW 60-HL
ES 50

080.9808.04

AANSLAGDICHTING 4MM
JOINT DE BUTEE 4MM
BUTT STRIP 4MM
ANSCHLAGDICHTUNG 4MM
JUNTA TOPE 4MM
USZCZELKA 4MM

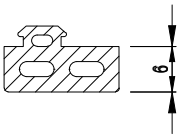


H=6.7
B=15.5

CS 104-HI+
CS 86-HI
CW 50
CW 50-HL
CW 50-SC
CW 60
CW 60-HL
CW 60-SC
CW 65-EF
ES 50
MASTERLINE 8-Fu

080.9809.04

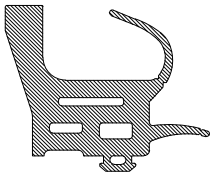
AANSLAGDICHTING 6MM
JOINT DE BUTEE 6MM
BUTT STRIP 6MM
ANSCHLAGDICHTUNG 6MM
JUNTA TOPE 6MM
USZCZELKA 6MM



H=8.7
B=15.5

CS 104-HI+
CS 86-HI
CW 50
CW 50-HL
CW 50-SC
CW 60
CW 60-HL
CW 60-SC
CW 65-EF
ES 50
MASTERLINE 8-Fu

180.9322.04

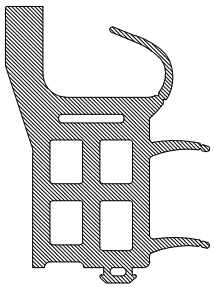


AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

L=4000mm
W=29.2
H=37

CW OUTWARD OPENING

180.9325.04

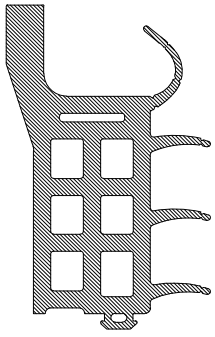


AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

L=4000mm
W=48.7
H=37

CW OUTWARD OPENING

180.9326.04

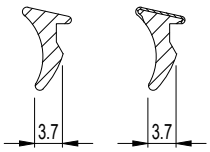


AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

L=4000mm
W=57
H=37

CW OUTWARD OPENING

080.9505.SY



DICHTING
JOINT
GASKET
DICHTUNG
JUNTA
USZCZELKA

H=6.5mm
B=11mm

CW 50
034.3521.XX
034.3522.XX
034.3523.XX
034.3524.XX
034.3525.XX
034.3526.XX
034.3527.XX
034.3528.XX
034.3529.XX

CW 50-HI
034.3521.XX
034.3522.XX
034.3523.XX
034.3524.XX
034.3525.XX
034.3526.XX
034.3527.XX
034.3528.XX
034.3529.XX

CW 50-HL
034.3521.XX
034.3522.XX
034.3523.XX
034.3524.XX
034.3525.XX
034.3526.XX
034.3527.XX
034.3528.XX
034.3529.XX

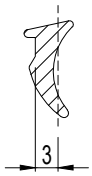
CW 50-RA
034.3521.XX
034.3522.XX
034.3523.XX
034.3524.XX
034.3525.XX
034.3526.XX
034.3527.XX
034.3528.XX
034.3529.XX

CW 50-SC
034.3521.XX
034.3522.XX
034.3523.XX
034.3524.XX
034.3525.XX
034.3526.XX
034.3527.XX
034.3528.XX
034.3529.XX

CW 50-SG
034.3521.XX
034.3522.XX
034.3523.XX
034.3524.XX
034.3525.XX
034.3526.XX
034.3527.XX
034.3528.XX
034.3529.XX

CW 50-VL
034.3521.XX
034.3522.XX
034.3523.XX
034.3524.XX
034.3525.XX

080.9360.04



BEGLAZINGSDICHTING 3MM
JOINT DE VITRAGE 3MM
GLAZING GASKET 3MM
VERGLASUNGSDICHTUNG 3MM
JUNTA DE ACRISTALAR 3MM
USZCZELKA PRZYSZYBOWA 3MM

H=12.8
B=6.5

CW 50
034.0155.XX
034.1121.XX

CW 50-HL
034.0155.XX
034.1121.XX

CW 50-SC
034.0155.XX
034.1121.XX

CW 50-SG
034.0162.XX

CW 50-VL
034.0155.XX
034.1121.XX

CW 60
034.0155.XX
034.1121.XX

CW 60-HL
034.0155.XX
034.1121.XX

CW 60-SC
034.0155.XX
034.1121.XX

CW 65-EF
034.0155.XX
034.1121.XX

AV 40

CW 50-HI
CW 50-TT
CW 60-HI
MEDAS

080.9362.04

BEGLAZINGSDICHTING 4.5MM
JOINT DE VITRAGE 4.5MM
GLAZING GASKET 4.5MM
VERGLASUNGSDICHTUNG 4.5MM
JUNTA DE ACRISTALAR 4.5MM
USZCZELKA PRZYSZYBOWA 4.5MM

CR 120
007.0775.XX
007.1765.XX

CW 50
007.0775.XX
007.1765.XX

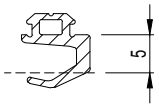
CW 60
007.0775.XX
007.1765.XX

AV 40

080.9444.04

AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

H=9.5
B=8.9



CW 50
034.0155.XX
034.0156.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 50-HL
034.0155.XX
034.0156.XX
034.1113.XX

034.1121.XX
034.1122.XX

CW 50-SC
034.0118.XX
034.0119.XX
034.0155.XX
034.0156.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0118.XX
034.0119.XX
034.0155.XX
034.1121.XX

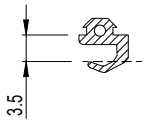
CW 60
034.0155.XX
034.0156.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 60-HL
034.0155.XX
034.0156.XX
034.1113.XX

080.9446.04

AKOESTISCHE DICHTING
JOINT ACOUSTIQUE
ACOUSTIC GASKET
SCHALLDICHTUNG
JUNTA ACUSTICA
USZCZELKA AKUSTYCZNA

H=7.2
B=7.1



CR 120
007.0775.XX
007.1765.XX

CW 50
007.0775.XX
007.1765.XX
034.0220.XX

CW 50-SC
034.0220.XX

CW 50-VL
034.0220.XX

CW 60
007.0775.XX
007.1765.XX

080.9430.04

AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

H=7.7
B=8

CP 130
006.1978.XX
006.1979.XX
006.1980.XX
006.1981.XX
006.1982.XX
006.1983.XX
006.1984.XX
006.1985.XX
006.1993.XX
006.1995.XX

044.1984.XX

CP 155
006.1308.XX
006.1400.XX
006.2299.XX

CP 155-AP
006.1308.XX

CP 155-LS

006.1308.XX
006.1400.XX
006.2299.XX

CP 155-LS/AP
006.1308.XX

CP 96-LS
006.1506.XX
006.1514.XX

CP 96-LS/AP
006.1504.XX

CR 120
007.0765.XX
007.0768.XX
007.0775.XX
007.1765.XX

CW 50
007.0765.XX

080.9454.04

AKOESTISCHE DICHTING
JOINT ACOUSTIQUE
ACOUSTIC GASKET
SCHALLDICHTUNG
JUNTA ACUSTICA
USZCZELKA AKUSTYCZNA

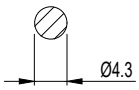
CS 104-HI+
CS 24-SL
CS 24-SL/AP
CS 38-SL
CS 38-SL/AP
CS 38-SL/FP
CS 59
CS 59-AD
CS 59-AP
CS 59-CD
CS 59-HV

CS 59PA
CS 59Pa-AD
CS 59Pa-AP
CS 59Pa-CD
CS 59Pa-SD
CS 59-PD
CS 59-RE
CS 59-SD
CS 59-SO
CS 68
CS 68-AP

CS 68-FP
CS 68-HV
CS 68-PD
CS 68-RE
CS 68-SO
CS 77
CS 77-AP
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-PD

CS 77-RE
CS 86-HI
CS 86-HI/AP
HFP 147
HFP 179

G



080.9381.04

DICHTING Ø4.3MM
JOINT Ø4.3MM
GASKET Ø4.3MM
DICHTUNG Ø4.3MM
JUNTA Ø4.3MM
USZCZELKA Ø4.3MM

Ø4.3
EPDM DENSITY 0.5

CW 50
034.0160.XX

CW 50-HI
034.0160.XX

CW 50-HL
034.0160.XX

CW 50-RA
034.0160.XX

CW 50-SC
034.0160.XX

CW 50-SG
034.0160.XX

CW 50-SL
034.0160.XX

CW 50-VL
034.0160.XX

CW 60
034.0160.XX

CW 60-HI
034.0160.XX

CW 60-HL
034.0160.XX

CW 60-SC
034.0160.XX

CW 60-SG
034.0160.XX

CW 65-EF
007.0207.XX
007.0225.XX

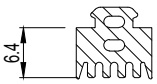
CW 65-EF/HI
007.0225.XX
007.0227.XX
007.0270.XX
007.0280.XX
007.0281.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX
007.0215.XX

CP 130Pa
CP 130Pa-LS
CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CS 24-SL
CS 24-SL/AP
CS 59
CS 77-FP
ES 50
ES 50-AP
MASTERLINE 8-Fu
MasterPatio

BOREALE
CD 45PA
CD 68
CI 45
CP 130
CP 130-LS
CP 45PA
CP 68Pa
CP 96
CP 96-LS
CR 120
CS 104-HI+
CS 38-SL
CS 38-SL/AP
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-HV
CS 77-SP
CS 86-HI
CSW 86-HI
CW 86
CW 86-BR
CW 86-EF
ES 75
HFP 147
HFP 179
PR 100
REYNASCREEN
TR 200
VISION 50
XS 68

080.9300.04



DICHTING SG 6.4MM
JOINT SG 6.4MM
GASKET SG 6.4MM
DICHTUNG SG 6.4MM
JUNTA SG 6.4MM
USZCZELKA SG 6.4MM

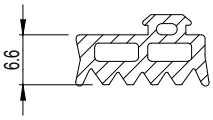
H=9.5
B=10

CW 86
CW 86-EF
CW 86-SG
ES 50
ES 50-AP

CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 50-SL

CW 50-TT
CW 50-VL
CW 60
CW 60-HL
CW 60-SC
CW 60-SG
CW 65-EF

080.9303.04



DICHTING SG 6.8MM
JOINT SG 6.8MM
GASKET SG 6.8MM
DICHTUNG SG 6.8MM
JUNTA SG 6.8MM
USZCZELKA SG 6.8MM

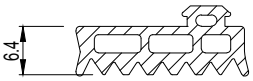
CW 50-SC
034.0156.XX
034.0119.XX

CW 50-SG
034.0163.XX

CW 65-EF
034.0156.XX

CW 60-SC

180.9303.04

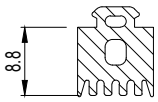


DICHTING SG 6.8MM
JOINT SG 6.8MM
GASKET SG 6.8MM
DICHTUNG SG 6.8MM
JUNTA SG 6.8MM
USZCZELKA SG 6.8MM

H=6.4mm
B=17mm

CW OUTWARD OPENING

080.9301.04



COMPARTIMENTERINGSDICHTING 9MM
JOINT DE NEZ 9MM
COMPARTIMENTATION GASKET 9MM
KOMPARTIMENTIERUNGSDICHTUNG 9MM
JUNTA DE COMPARTIMENTACION 9MM
USZCZELKA DZIELACA 9MM

H=11.7
B=10

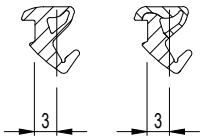
CW 86
CW 86-EF
CW 86-SG

CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 60
CW 60-HL
CW 60-SC

CW 60-SG

G

.04 .47
.N4 .N7



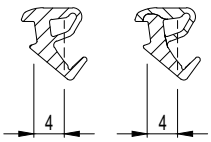
080.9123.SY

BINNENBEGLAZINGSDICHTING 3MM
JOINT DE VITRAGE INTERIEUR 3MM
INNER GLAZING GASKET 3MM
INNENVERGLASUNGSDICHTUNG 3MM
JUNTA DE ACRISTALADO INTERIOR 3MM
USZCZELKA PRZYSZYBOWA WEWN. 3MM

H=8.9 B=7.7 (COLOR= WHITE)
04/47=SILICONISED
N4/N7=NON SILICONISED

BOREALE	**CS 38-SL/AP**	**CS 77-SP**
CF 68	**CS 59**	**CSW 86-HI**
CI 45	**CS 59-AP**	**CW 50**
CP 130	**CS 59-HV**	**CW 60**
CP 130-LS	**CS 59PA**	**CW 86-BR**
CP 155	**CS 59Pa-AP**	**ES 50**
CP 155-AP	**CS 59-RE**	**ES 50-AP**
CP 155-LS	**CS 59-SO**	**ES 75**
CP 155-LS/AP	**CS 68**	**MASTERLINE 8-Fu**
CP 45PA	**CS 68-AP**	**MOSQUITO**
CP 45Pa (GR)	**CS 68-HV**	**TLS 110**
CP 96	**CS 68-RE**	**TR 200**
CP 96-AP	**CS 68-SO**	**VISION 50**
CP 96-LS	**CS 77**	
CP 96-LS/AP	**CS 77-AP**	
CS 104-HI+	**CS 77-BP**	
CS 24-SL	**CS 77-FP**	
CS 38-SL	**CS 77-HV**	

.04 .47
.N4 .N7



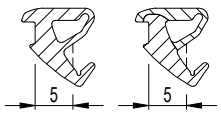
080.9124.SY

BINNENBEGLAZINGSDICHTING 4MM
JOINT DE VITRAGE INTERIEUR 4MM
INNER GLAZING GASKET 4MM
INNENVERGLASUNGSDICHTUNG 4MM
JUNTA DE ACRISTALADO INTERIOR 4MM
USZCZELKA PRZYSZYBOWA WEWN. 4MM

H=8.7 B=9.6 (COLOR= RED)
04/47=SILICONISED
N4/N7=NON SILICONISED

BOREALE	**CS 24-SL**	**CS 77-FP**
CF 68	**CS 38-SL**	**CS 77-HV**
CF 77	**CS 38-SL/AP**	**CS 77-SP**
CF 77-AP	**CS 59**	**CSW 86-HI**
CI 45	**CS 59-AP**	**CW 50**
CP 130	**CS 59-HV**	**CW 60**
CP 130-LS	**CS 59PA**	**CW 86-BR**
CP 155	**CS 59Pa-AP**	**ES 45PA**
CP 155-AP	**CS 59-RE**	**ES 50**
CP 155-LS	**CS 59-SO**	**ES 50-AP**
CP 155-LS/AP	**CS 68**	**ES 75**
CP 45PA	**CS 68-AP**	**MASTERLINE 8-Fu**
CP 45Pa (GR)	**CS 68-HV**	**RB GLASS**
CP 96	**CS 68-RE**	**TLS 110**
CP 96-AP	**CS 68-SO**	**TR 200**
CP 96-LS	**CS 77**	**VISION 50**
CP 96-LS/AP	**CS 77-AP**	**XS 68**
CS 104-HI+	**CS 77-BP**	

.04 .47
.N4 .N7



080.9125.SY

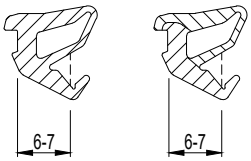
BINNENBEGLAZINGSDICHTING 5MM
JOINT DE VITRAGE INTERIEUR 5MM
INNER GLAZING GASKET 5MM
INNENVERGLASUNGSDICHTUNG 5MM
JUNTA DE ACRISTALADO INTERIOR 5MM
USZCZELKA PRZYSZYBOWA WEWN. 5MM

H=10.3 B=9.7 (COLOR= BLUE)
04/47=SILICONISED
N4/N7=NON SILICONISED

CF 68	**CS 38-SL**	**CS 77-HV**
CF 77	**CS 38-SL/AP**	**CS 77-SP**
CF 77-AP	**CS 59**	**CSW 86-HI**
CI 45	**CS 59-AP**	**CW 50**
CP 130	**CS 59-HV**	**CW 60**
CP 130-LS	**CS 59PA**	**CW 86-BR**
CP 155	**CS 59Pa-AP**	**ES 45PA**
CP 155-AP	**CS 59-RE**	**ES 50**
CP 155-LS	**CS 59-SO**	**ES 50-AP**
CP 155-LS/AP	**CS 68**	**ES 75**
CP 45PA	**CS 68-AP**	**MASTERLINE 8-Fu**
CP 45Pa (GR)	**CS 68-HV**	**RB GLASS**
CP 96	**CS 68-RE**	**TLS 110**
CP 96-AP	**CS 68-SO**	**TR 200**
CP 96-LS	**CS 77**	**VISION 50**
CP 96-LS/AP	**CS 77-AP**	
CS 104-HI+	**CS 77-BP**	
CS 24-SL	**CS 77-FP**	

080.9126.SY

.04 .47
.N4 .N7



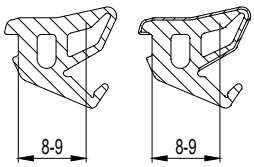
BINNENBEGLAZINGSDICHTING 6-7MM
JOINT DE VITRAGE INTERIEUR 6-7MM
INNER GLAZING GASKET 6-7MM
INNENVERGLASUNGSDICHTUNG 6-7MM
JUNTA DE ACRISTALADO INTERIOR 6-7MM
USZCZELKA PRZYSZYBOWA WEWN. 6-7MM

H=11.5 B=11.4 (COLOR= GREEN)
04/47=SILICONISED
N4/N7=NON SILICONISED

CF 68	**CS 38-SL/AP**	**CS 86-HI**
CF 77	**CS 59**	**CSW 86-HI**
CF 77-AP	**CS 59-AP**	**CW 50**
CI 45	**CS 59-HV**	**CW 60**
CP 130	**CS 59PA**	**CW 86-BR**
CP 130-LS	**CS 59Pa-AP**	**ES 45PA**
CP 155	**CS 59-RE**	**ES 50**
CP 155-AP	**CS 59-SO**	**ES 50-AP**
CP 155-LS	**CS 68**	**ES 75**
CP 155-LS/AP	**CS 68-AP**	**MASTERLINE 8-Fu**
CP 45Pa (GR)	**CS 68-HV**	**RB GLASS**
CP 96	**CS 68-RE**	**TLS 110**
CP 96-AP	**CS 68-SO**	**TR 200**
CP 96-LS	**CS 77-AP**	**VISION 50**
CP 96-LS/AP	**CS 77-BP**	
CS 104-HI+	**CS 77-FP**	
CS 24-SL	**CS 77-HV**	
CS 38-SL	**CS 77-SP**	

080.9128.SY

.04 .47
.N4



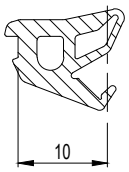
BINNENBEGLAZINGSDICHTING 8-9MM
JOINT DE VITRAGE INTERIEUR 8-9MM
INNER GLAZING GASKET 8-9MM
INNENVERGLASUNGSDICHTUNG 8-9MM
JUNTA DE ACRISTALADO INTERIOR 8-9MM
USZCZELKA PRZYSZYBOWA WEWN. 8-9MM

H=13.4 B=14.8 (COLOR= YELLOW)
.04=SILICONISED
.N4=NON SILICONISED

CF 68	**CS 59**	**CW 60**
CF 77	**CS 59-AP**	**CW 86-BR**
CF 77-AP	**CS 59-HV**	**ES 45PA**
CI 45	**CS 59PA**	**ES 50**
CP 130	**CS 59Pa-AP**	**ES 50-AP**
CP 130-LS	**CS 59-RE**	**ES 75**
CP 155	**CS 59-SO**	**MASTERLINE 8-Fu**
CP 155-AP	**CS 68**	**TLS 110**
CP 155-LS	**CS 68-AP**	**TR 200**
CP 155-LS/AP	**CS 68-HV**	**VISION 50**
CP 96	**CS 68-RE**	
CP 96-AP	**CS 68-SO**	
CP 96-LS	**CS 77**	
CP 96-LS/AP	**CS 77-AP**	
CS 104-HI+	**CS 77-BP**	
CS 24-SL	**CS 77-HV**	
CS 38-SL	**CS 77-SP**	
CS 38-SL/AP	**CW 50**	

080.9130.SY

.04
.N4

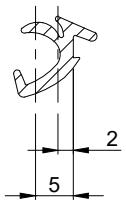


BINNENBEGLAZINGSDICHTING 10MM
JOINT DE VITRAGE INTERIEUR 10MM
INNER GLAZING GASKET 10MM
INNENVERGLASUNGSDICHTUNG 10MM
JUNTA DE ACRISTALADO INTERIOR 10MM
USZCZELKA PRZYSZYBOWA WEWN. 10MM

H=13.4 B=15.8 (COLOR= VIOLET)
.04=SILICONISED
.N4=NON SILICONISED

CF 68	**CS 38-SL/AP**	**CW 50**
CF 77	**CS 59**	**CW 60**
CF 77-AP	**CS 59-AP**	**ES 50**
CI 45	**CS 59-HV**	**ES 50-AP**
CP 130	**CS 59PA**	**ES 75**
CP 130-LS	**CS 59Pa-AP**	**MASTERLINE 8-Fu**
CP 155	**CS 59-RE**	**TLS 110**
CP 155-AP	**CS 59-SO**	**TR 200**
CP 155-LS	**CS 68**	**VISION 50**
CP 155-LS/AP	**CS 68-AP**	
CP 45PA	**CS 68-HV**	
CP 96	**CS 68-RE**	
CP 96-AP	**CS 68-SO**	
CP 96-LS	**CS 77**	
CP 96-LS/AP	**CS 77-AP**	
CS 104-HI+	**CS 77-BP**	
CS 24-SL	**CS 77-HV**	
CS 38-SL	**CS 77-SP**	

022.1077.SY

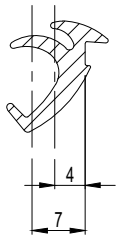


BEGLAZINGSDICHTING DROGE BEGLAZING 3-5MM
JOINT DE VITRAGE - VITRAGE SEC 3-5MM
GLAZING GASKET DRY GLAZING 3-5MM
VERGLASUNGSDICHTUNG TROCKENVERGLASUNG 3-5MM
JUNTA DE ACRISTALAR 3-5MM
USZCZELKA PRZYSZYBOWA 3-5MM

H=10.7
B=10.9

CW 65-EF		007.0281.XX	OUVEA
007.0200.XX	CW 65-EF/HI		XS 68
007.0201.XX	007.0260.XX	CW 86	
007.0202.XX	007.0261.XX	012.5354.XX	
007.0210.XX	007.0262.XX		
007.0255.XX	007.0265.XX	CD 45PA	
007.0256.XX	007.0266.XX	CD 50	
007.0257.XX	007.0267.XX	CD 68	
007.0258.XX	007.0268.XX	CP 45PA	
007.0282.XX	007.0270.XX	CS 45PA	
007.0283.XX	007.0280.XX	CW 86-BR	

022.1079.SY

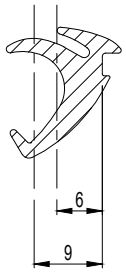


BEGLAZINGSDICHTING DROGE BEGLAZING 4-7MM
JOINT DE VITRAGE - VITRAGE SEC 4-7MM
GLAZING GASKET DRY GLAZING 4-7MM
VERGLASUNGSDICHTUNG TROCKENVERGLASUNG 4-7MM
JUNTA DE ACRISTALAR 4-7MM
USZCZELKA PRZYSZYBOWA 4-7MM

H=14.6
B=13.2

CW 65-EF		007.0281.XX	HIFI
007.0200.XX	CW 65-EF/HI		VISION 55Th
007.0201.XX	007.0260.XX	CW 86	XS 68
007.0202.XX	007.0261.XX	012.5354.XX	
007.0210.XX	007.0262.XX		
007.0255.XX	007.0265.XX	CD 45PA	
007.0256.XX	007.0266.XX	CD 68	
007.0257.XX	007.0267.XX	CP 45PA	
007.0258.XX	007.0268.XX	CS 45PA	
007.0282.XX	007.0270.XX	CW 50	
007.0283.XX	007.0280.XX	CW 86-BR	

022.1078.SY

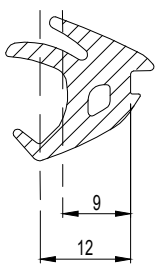


BEGLAZINGSDICHTING DROGE BEGLAZING 6-9MM
JOINT DE VITRAGE - VITRAGE SEC 6-9MM
GLAZING GASKET DRY GLAZING 6-9MM
VERGLASUNGSDICHTUNG TROCKENVERGLASUNG 6-9MM
JUNTA DE ACRISTALAR 6-9MM
USZCZELKA PRZYSZYBOWA 6-9MM

H=17.3
B=15.2

CW 65-EF		CW 86
007.0200.XX	CW 65-EF/HI	012.5354.XX
007.0201.XX	007.0261.XX	
007.0202.XX	007.0262.XX	CD 45PA
007.0210.XX	007.0266.XX	CD 50
007.0255.XX	007.0267.XX	CD 68
007.0256.XX	007.0268.XX	CP 45PA
007.0257.XX	007.0270.XX	CS 45PA
007.0258.XX	007.0280.XX	CW 50
007.0282.XX	007.0281.XX	XS 68
007.0283.XX		

080.9391.04

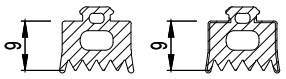


BEGLAZINGSDICHTING DROGE BEGLAZING 9-12MM
JOINT DE VITRAGE - VITRAGE SEC 9-12MM
GLAZING GASKET DRY GLAZING 9-12MM
VERGLASUNGSDICHTUNG TROCKENVERGLASUNG 9-12MM
JUNTA DE ACRISTALAR 9-12MM
USZCZELKA PRZYSZYBOWA 9-12MM

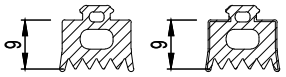
H=19
B=19.6

CW 65-EF		007.0281.XX	007.0100.XX
007.0200.XX	CW 65-EF/HI		007.0121.XX
007.0201.XX	007.0260.XX	CW 86	012.5350.XX
007.0202.XX	007.0261.XX	007.0120.XX	
007.0210.XX	007.0262.XX	007.0121.XX	CW 86-EF/HI
007.0255.XX	007.0265.XX	012.5350.XX	007.0100.XX
007.0256.XX	007.0266.XX		
007.0257.XX	007.0267.XX	CW 86-BR	CW 50
007.0258.XX	007.0268.XX	007.0100.XX	CW 60
007.0282.XX	007.0270.XX		
007.0283.XX	007.0280.XX	CW 86-EF	

.04 .47



.N4 .N7



.N4 .N7 NOT SILICONISED

080.9810.SY

BEGLAZINGSDICHTING DRAGER 9MM H=12.5
JOINT DE VITRAGE MENEAU 9MM B=14
GLAZING GASKET SUSPENSION 9MM
VERGLASUNGSDICHTUNG PFOSTEN 9MM
JUNTA DE ACRISTALADO MONTANTE 9MM
USZCZLKA SLUPA 9MM

CW 60
034.1601.XX
034.1602.XX
034.1604.XX
034.1605.XX
034.1606.XX
034.1607.XX
034.1608.XX
034.1609.XX
034.1610.XX
034.1611.XX

CW 60-HI
034.1601.XX
034.1602.XX
034.1604.XX
034.1605.XX
034.1606.XX
034.1607.XX
034.1608.XX
034.1609.XX
034.1610.XX

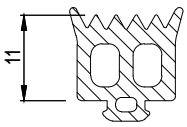
034.1611.XX

CW 60-HL
034.1601.XX
034.1602.XX
034.1604.XX
034.1605.XX
034.1606.XX
034.1607.XX
034.1608.XX
034.1609.XX

034.1610.XX
034.1611.XX

CW 60-SC
034.1601.XX
034.1602.XX
034.1604.XX
034.1605.XX
034.1606.XX
034.1607.XX
034.1608.XX

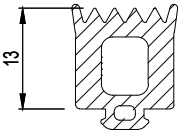
080.9871.04



BEGLAZINGSDICHTING 11MM H=15
JOINT DE VITRAGE 11MM B=15
GLAZING GASKET 11MM
VERGLASUNGSDICHTUNG 11MM
JUNTA DE ACRISTALAR 11MM
USZCZELKA PRZYSZYBOWA 11MM

CW 50
CW 50-RA
CW 50-SG
CW 50-SL
CW 60
CW 60-SG
CW 65-EF
CW 65-EF/HI
EF 7

080.9812.04



BEGLAZINGSDICHTING DRAGER 13MM H=16.5
JOINT DE VITRAGE MENEAU 13MM B=14
GLAZING GASKET SUSPENSION 13MM
VERGLASUNGSDICHTUNG PFOSTEN 13MM
JUNTA DE ACRISTALADO MONTANTE 13MM
USZCZLKA SLUPA 13MM

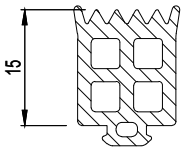
CW 65-EF
007.0200.XX
007.0255.XX
007.0282.XX
007.0283.XX

CW 65-EF/HI
007.0260.XX
007.0265.XX
007.0270.XX
007.0280.XX

007.0281.XX

CW 50
CW 50-HI
CW 50-SG
CW 50-SL
CW 60
CW 60-HI
CW 60-SG
EF 7

080.9814.04

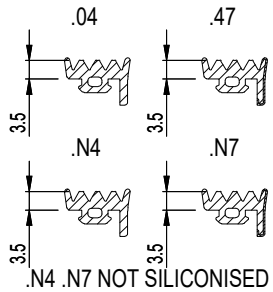


BEGLAZINGSDICHTING DRAGER 15MM H=18.5
JOINT DE VITRAGE MENEAU 15MM B=14
GLAZING GASKET SUSPENSION 15MM
VERGLASUNGSDICHTUNG PFOSTEN 15MM
JUNTA DE ACRISTALADO MONTANTE 15MM
USZCZLKA SLUPA 15MM

CW 50
CW 50-HI
CW 50-HL
CW 50-MT
CW 50-RA
CW 50-SC
CW 50-SG
CW 50-SL
CW 50-VL
CW 60
CW 60-HI
CW 60-HL
CW 60-SC
CW 60-SG
CW 60-VL

G

080.9815.SY



BEGLAZINGSDICHTING 3.5MM
JOINT DE VITRAGE 3.5MM
GLAZING GASKET 3.5MM
VERGLASUNGSDICHTUNG 3.5MM
JUNTA DE ACRISTALAR 3.5MM
USZCZELKA PRZYSZYBOWA 3.5MM

H=9.4
B=13

CP 130
006.1980.XX
006.1981.XX
006.1982.XX
006.1992.XX

CP 130-LS
006.1910.XX
006.1911.XX
006.1913.XX

CP 130Pa
016.1982.XX

CP 155
006.0320.XX

CP 155-AP
006.0320.XX

CP 155-LS
006.0320.XX

006.0324.XX
006.0326.XX
006.1322.XX

CP 155-LS/AP
006.0320.XX

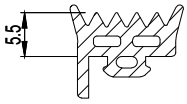
CR 120
007.0778.XX
007.1768.XX

CW 65-EF
007.0282.XX
007.0283.XX

CW 65-EF/HI
007.0270.XX
007.0280.XX
007.0281.XX

EF 7
107.0280.XX

080.9876.04



BEGLAZINGSDICHTING 5.5MM
JOINT DE VITRAGE 5.5MM
GLAZING GASKET 5.5MM
VERGLASUNGSDICHTUNG 5.5MM
JUNTA DE ACRISTALAR 5.5MM
USZCZELKA PRZYSZYBOWA 5.5MM

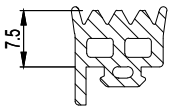
H=12.3
B=15

CW 65-EF
007.0282.XX
007.0283.XX

CW 65-EF/HI
007.0270.XX
007.0280.XX
007.0281.XX

CW 50
CW 50-HL
CW 50-RA
CW 50-SC
CW 50-SG
CW 50-SL
CW 60
CW 60-HL
CW 60-SC
CW 60-SG
EF 7

080.9817.04

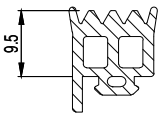


BEGLAZINGSDICHTING DWARSPROFIEL 7.5MM
JOINT DE VITRAGE TRAVERSE 7.5MM
GLAZING GASKET TRANSOM 7.5MM
VERGLASUNGSDICHTUNG RIEGEL 7.5MM
JUNTA DE ACRISTALADO TRAVESERO 7.5MM
USZCZELKA POPRZECZKI 7.5MM

H=13.4
B=13

CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 50-SL
CW 60
CW 60-HL
CW 60-SC
CW 60-SG
CW 65-EF/HI

080.9827.04



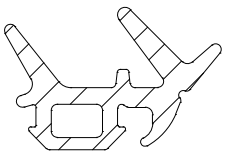
BEGLAZINGSDICHTING 9.5MM
JOINT DE VITRAGE 9.5MM
GLAZING GASKET 9.5MM
VERGLASUNGSDICHTUNG 9.5MM
JUNTA DE ACRISTALAR 9.5MM
USZCZELKA PRZYSZYBOWA 9.5MM

H=15.4
B=12.5

CW 50
CW 50-HI
CW 50-HL
CW 50-MT
CW 50-RA
CW 50-SC
CW 50-SG
CW 50-SL
CW 50-VL
CW 60
CW 60-HI
CW 60-HL
CW 60-SC
CW 60-SG
CW 60-VL

G

029.5013.04

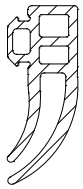


KLEMDICHTING 3.5 A 4.5
JOINT SERREUR 3.5 A 4.5
PRESSURE GASKET 3.5 A 4.5
KLEMMDICHTUNG 3.5 A 4.5
JUNTA DE PRESION 3.5 A 4.5
USZCZELKA DOCISKOWA 3.5 A 4.5

H=9.5mm
B=14.5mm

CW 50
CW 50-FV
CW 50-TT

029.5616.04

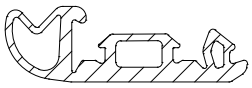


AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

H=9.3mm
B=24mm

CW 50
CW 50-FV
CW 50-TT

029.5617.04



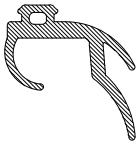
DICHTING
JOINT
GASKET
DICHTUNG
JUNTA
USZCZELKA

H=8mm
B=25mm

CW 50-FV
034.0141.XX
034.0415.XX

CW 50
CW 50-TT

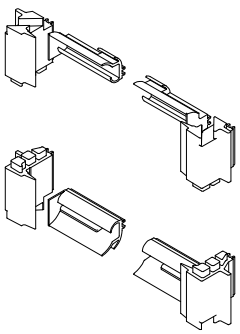
080.9411.04



AANSLAGSTUK
BUTEE
BUTT STRIP
ANSCHLAG
JUNTA TOPE
USZCZELKA

CW 50-VL

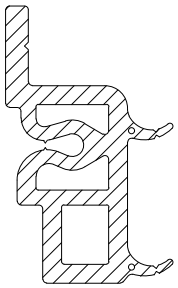
080.9250.04



VORMSTUK
PIECE MOULEE
MOULDING PIECE
FORMSTUECK
PIEZA MATRIZADA
KSZATALTOWY ELEMENT POLACZENIOWY

CW 50-VL

G



080.9299.04

AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

H=36.6
B=22.2

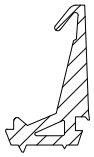
CW 50-SC

080.9352.04

AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

H=9.7
B=16.5

CW 50
034.2535.00

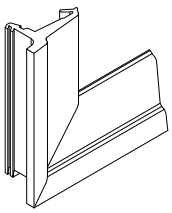


080.9453.04

MIDDENDICHTING
JOINT CENTRAL
CENTRAL GASKET
MITTELDICHTUNG
JUNTA CENTRAL
USZCZELKA CENTRALNA

H=11
B=19.4

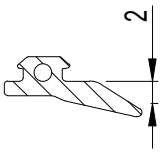
CW 50
CW 50-SC



080.9473.04

MIDDENDICHTING GEVULKANISEERD
JOINT CENTRAL VULCANISE
VULCANISED CENTRAL GASKET
VULKANISIERTE MITTELDICHTUNGSECKE
JUNTA CENTRAL VULCANIZADA
NAROZNIK USZCZELKI CENTRALNEJ

080.9180.04

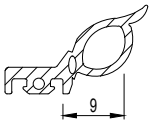


AANSLAGDICHTING
JOINT DE BUTEE
BUTT STRIP
ANSCHLAGDICHTUNG
JUNTA TOPE
USZCZELKA

5.4
12.3

CW 50

080.9347.04

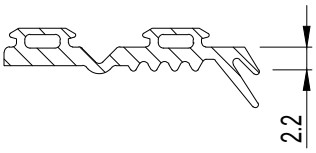


BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

13.9
20.6

CW 50

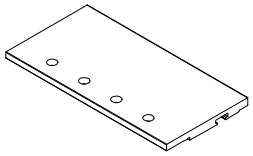
080.9754.04



BEGLAZINGSDICHTING 2.5MM
JOINT DE VITRAGE 2.5MM
GLAZING GASKET 2.5MM
VERGLASUNGSDICHTUNG 2.5MM
JUNTA DE ACRISTALAR 2.5MM
USZCZELKA PRZYSZYBOWA 2.5MM

H=7.7
B=24.6

CW 50



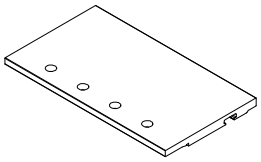
173.8541.C35

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L =100
B = 50.8
H = 5

4 st./pc
052.5300.--
DIN 7981
4.8 x 19

CW OUTWARD OPENING
EF 7-SG



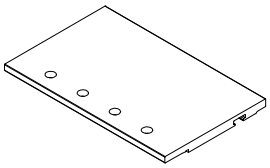
173.8542.C35

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B +56.8
H = 5

4 st./pc
052.5300.--
DIN 7981
4.8 x 19

CW OUTWARD OPENING
EF 7



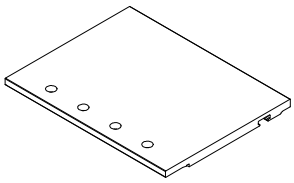
173.8543.C35

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 62.8
H = 5

4 st./pc
052.5300.--
DIN 7981
4.8 x 19

CW OUTWARD OPENING
EF 7



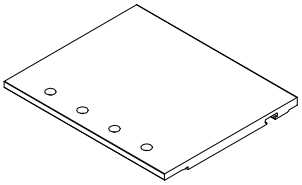
173.8545.C35

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 77.8
H = 5

4 st./pc
052.5300.--
DIN 7981
4.8 x 19

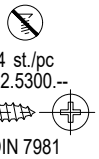
CW OUTWARD OPENING
EF 7



173.8546.C35

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 82.8
H = 5

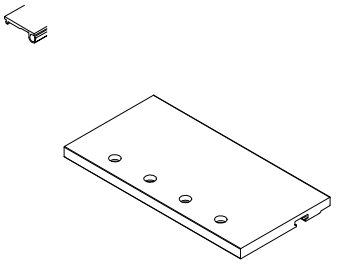


4 st./pc
052.5300.--
DIN 7981
4.8 x 19

CW OUTWARD OPENING
EF 7

G

173.8531.C35



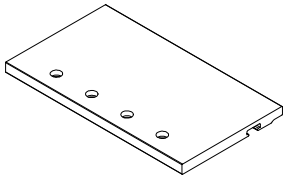
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 50.8
H = 5

4 st./pc
052.5333.--
DIN 7982
4.8 x 25

CW OUTWARD OPENING
EF 7

173.8532.C35



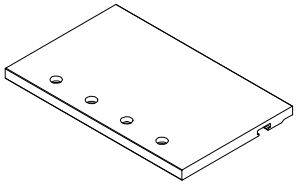
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 56.8
H = 5

4 st./pc
052.5333.--
DIN 7982
4.8 x 25

CW OUTWARD OPENING
EF 7

173.8533.C35



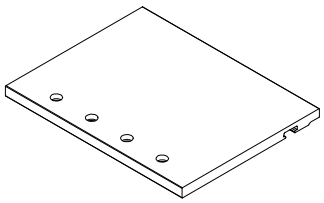
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 62.8
H = 5

4 st./pc
052.5333.--
DIN 7982
4.8 x 25

CW OUTWARD OPENING
EF 7

173.8535.C35



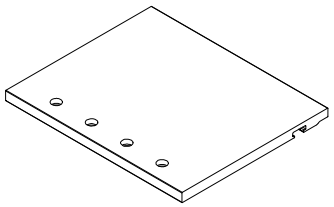
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 77.8
H = 5

4 st./pc
052.5333.--
DIN 7982
4.8 x 25

CW OUTWARD OPENING
EF 7

173.8536.C35



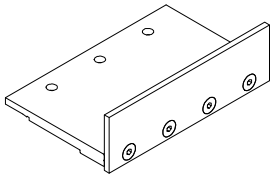
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L = 100
B = 85.8
H = 5

4 st./pc
052.5333.--
DIN 7982
4.8 x 25

CW OUTWARD OPENING
EF 7

?



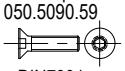
173.8560.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

L=100
W=64.5
H=30

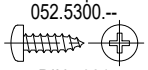
CW OUTWARD OPENING
EF 7-SG

4 st./pc
050.5090.59

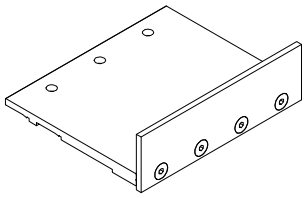


DIN7991
M4 x 16

3 st./pc
052.5300.--



DIN 7981
4.8 x 19



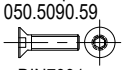
173.8561.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

L=100
W=74.5
H=30

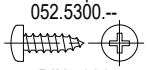
CW OUTWARD OPENING
EF 7-SG

4 st./pc
050.5090.59

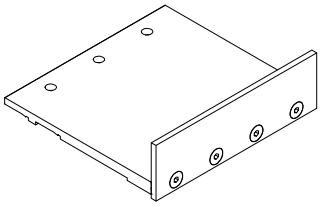


DIN7991
M4 x 16

3 st./pc
052.5300.--



DIN 7981
4.8 x 19



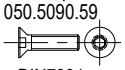
173.8562.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

L=100
W=84.5
H=30

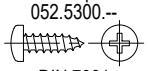
CW OUTWARD OPENING
EF 7-SG

4 st./pc
050.5090.59

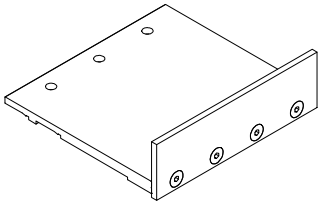


DIN7991
M4 x 16

3 st./pc
052.5300.--



DIN 7981
4.8 x 19



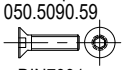
173.8563.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

L=100
W=94.5
H=30

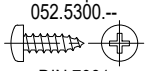
CW OUTWARD OPENING
EF 7-SG

4 st./pc
050.5090.59



DIN7991
M4 x 16

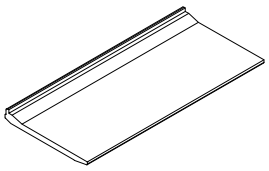
3 st./pc
052.5300.--



DIN 7981
4.8 x 19

G

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL

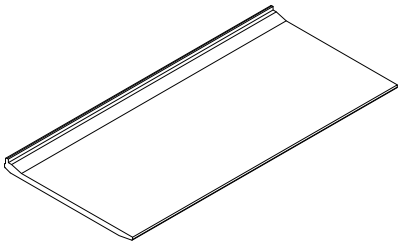


073.8400.00

GLASSTEUN 100MM
SUPPORT CALE DE VITRAGE 100MM
GLASS SUPPORT 100MM
GLASAUFLAGEPROFIL 100MM
SOPORTE VIDRIO 100MM
PODPORKA POD PRZESZK. 100MM

H=6.2
B=46.7
D=100

CW 65-EF
007.0200.XX
007.0201.XX
007.0202.XX

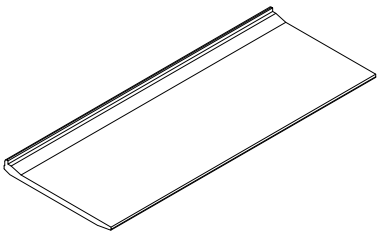


073.8401.00

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

H=6.2
B=150
D=72.5

CW 65-EF/HI
007.0261.XX
007.0262.XX
007.0266.XX
007.0267.XX
007.0268.XX
007.0270.XX
007.0280.XX
007.0281.XX



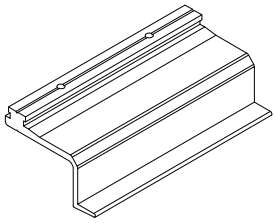
073.8402.00

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L=150
B=60.7
H=6.2

CW OUTWARD OPENING
EF 7-GB

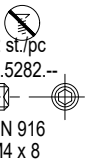
G



173.8511.C35

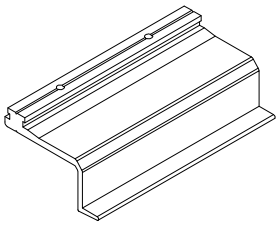
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L=100
B=51
H=30.6



2 st./pc
051.5282.--
DIN 916
M4 x 8

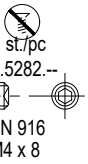
CW OUTWARD OPENING



173.8512.C35

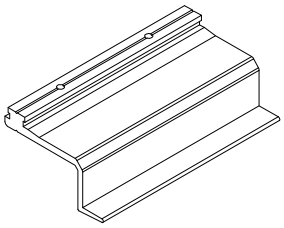
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L=100
B=53.2
H=30.6



1 st./pc
051.5282.--
DIN 916
M4 x 8

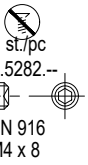
CW OUTWARD OPENING



173.8513.C35

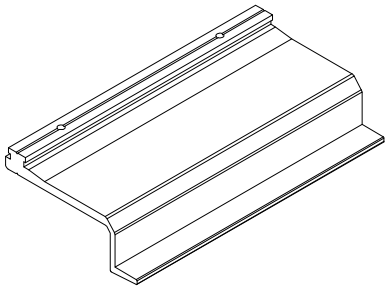
GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

L=100
B=55.7
H=30.6



1 st./pc
051.5282.--
DIN 916
M4 x 8

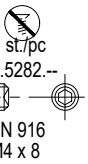
CW OUTWARD OPENING



173.8514.C35

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

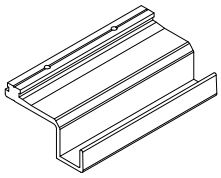
L=140
B=74.5
H=31.4



1 st./pc
051.5282.--
DIN 916
M4 x 8

CW OUTWARD OPENING

G

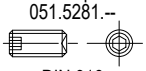


173.8571.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

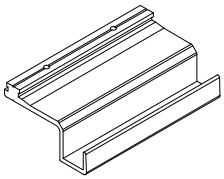
L=100
W=58.3
H=30.6

2 st./pc
051.5281.--



DIN 916
M4 x 10

CW OUTWARD OPENING

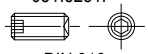


173.8573.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

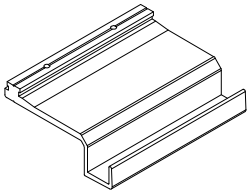
L=100
W=61.3
H=30.6

2 st./pc
051.5281.--



DIN 916
M4 x 10

CW OUTWARD OPENING

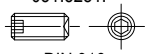


173.8574.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

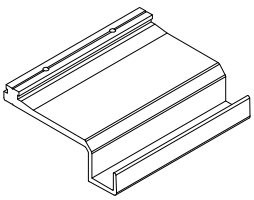
L=100
W=80.3
H=31.7

2 st./pc
051.5281.--



DIN 916
M4 x 10

CW OUTWARD OPENING

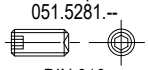


173.8576.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

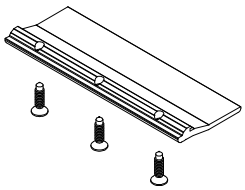
L=100
W=84.3
H=31.7

2 st./pc
051.5281.--



DIN 916
M4 x 10

CW OUTWARD OPENING

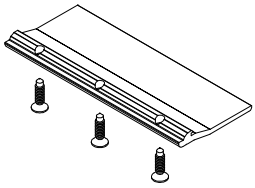


021.5859.35

GLASSTEUN 24MM
SUPPORT CALE DE VITRAGE 24MM
GLASS SUPPORT 24MM
GLASAUFLAGEPROFIL 24MM
SOPORTE VIDRIO 24MM
PODPORKA POD PRZESZK. 24MM

CW 50-FV
034.0141.XX
034.0415.XX

CW 50
CW 50-TT

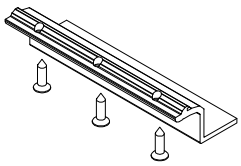


021.5860.35

GLASSTEUN 32MM
SUPPORT CALE DE VITRAGE 32MM
GLASS SUPPORT 32MM
GLASAUFLAGEPROFIL 32MM
SOPORTE VIDRIO 32MM
PODPORKA POD PRZESZK. 32MM

CW 50-FV
034.0141.XX
034.0415.XX

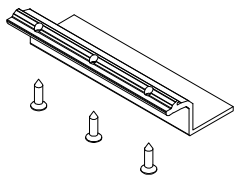
CW 50
CW 50-TT



073.7108.--

GLASSTEUN 24MM
SUPPORT CALE DE VITRAGE 24MM
GLASS SUPPORT 24MM
GLASAUFLAGEPROFIL 24MM
SOPORTE VIDRIO 24MM
PODPORKA POD PRZESZK. 24MM

CW 50
CW 50-FV
CW 50-TT

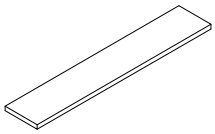


073.7109.--

GLASSTEUN 32MM
SUPPORT CALE DE VITRAGE 32MM
GLASS SUPPORT 32MM
GLASAUFLAGEPROFIL 32MM
SOPORTE VIDRIO 32MM
PODPORKA POD PRZESZK. 32MM

CW 50
CW 50-FV
CW 50-TT

021.5632.04



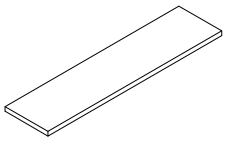
WIG SILICONE 24MM
CALE SILICONE 24MM
WEDGE SILICONE 24MM
KEIL SILICONE 24MM
CUNA SILICONE 24MM
KLINY SILICONE 24MM

B=3mm
H=130mm
D=24mm

CW 50-FV
021.5859.35

CW 50
CW 50-TT

021.5633.04



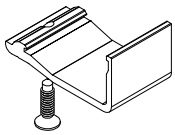
WIG SILICONE 32MM
CALE SILICONE 32MM
WEDGE SILICONE 32MM
KEIL SILICONE 32MM
CUNA SILICONE 32MM
KLINY SILICONE 32MM

B=3mm
H=130mm
D=32mm

CW 50-FV
021.5860.35

CW 50
CW 50-TT

021.5861.35

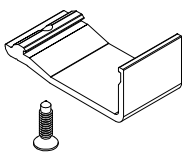


UITVALBEVEILIGING SSG GLASS 24MM
SECURITE ANTI-CHUTE SSG GLASS 24MM
SECURITY AGAINST FALLING SSG GLASS 24MM
AUSFALLSICHERUNG SSG GLASS 24MM
SEGURO ANTI CAIDA SSG GLASS 24MM
ZABEZPIECZNIE PRZED OPADNIECIEM SSG GLASS 24MM

CW 50-FV
034.0141.XX

CW 50
CW 50-TT

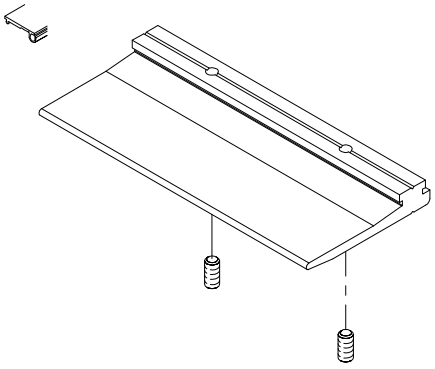
021.5862.35



UITVALBEVEILIGING SSG GLASS 32MM
SECURITE ANTI-CHUTE SSG GLASS 32MM
SECURITY AGAINST FALLING SSG GLASS 32MM
AUSFALLSICHERUNG SSG GLASS 32MM
SEGURO ANTI CAIDA SSG GLASS 32MM
ZABEZPIECZNIE PRZED OPADNIECIEM SSG GLASS 32MM

CW 50-FV
034.0141.XX

CW 50
CW 50-TT



073.7290.39

GLASSTEUN 46.2MM
SUPPORT CALE DE VITRAGE 46.2MM
GLASS SUPPORT 46.2MM
GLASAUFLAGEPROFIL 46.2MM
SOPORTE VIDRIO 46.2MM
PODPORKA POD PRZESZK. 46.2MM

H=8.3
B=100
D=46.2

2 st./pc
051.5282.--
DIN 916
M4 x 8

CW 50
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0161.XX

034.0163.XX

CW 50-VL
034.0119.XX

CW 60
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-SC
034.0156.XX
034.1113.XX

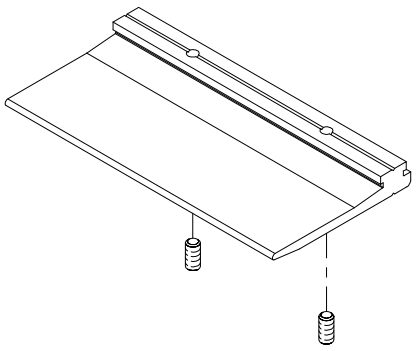
034.1122.XX

CW 60-SG
034.0161.XX

CW 65-EF
007.0207.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX
007.0215.XX

CS 77-FP



073.7291.39

GLASSTEUN 51.7MM
SUPPORT CALE DE VITRAGE 51.7MM
GLASS SUPPORT 51.7MM
GLASAUFLAGEPROFIL 51.7MM
SOPORTE VIDRIO 51.7MM
PODPORKA POD PRZESZK. 51.7MM

H=8.3
B=100
D=51.7

2 st./pc
051.5282.--
DIN 916
M4 x 8

CW 50
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0161.XX

034.0163.XX

CW 50-VL
034.0119.XX

CW 60
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-SC
034.0156.XX
034.1113.XX

034.1122.XX

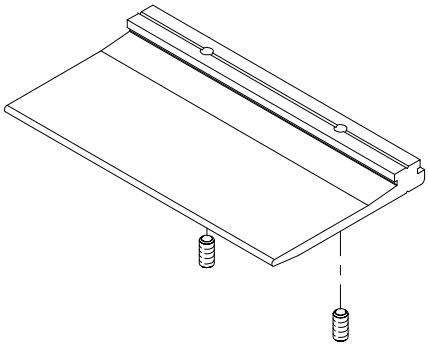
CW 60-SG
034.0161.XX

CW 65-EF
007.0207.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX
007.0215.XX

CS 77-FP

CW 86
CW 86-EF



073.7292.39

GLASSTEUN 57.2MM
SUPPORT CALE DE VITRAGE 57.2MM
GLASS SUPPORT 57.2MM
GLASAUFLAGEPROFIL 57.2MM
SOPORTE VIDRIO 57.2MM
PODPORKA POD PRZESZK. 57.2MM

H=8.3
B=100
D=57.2

2 st./pc
051.5282.--
DIN 916
M4 x 8

CW 50
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0161.XX

034.0163.XX

CW 50-VL
034.0119.XX

CW 60
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-SC
034.0156.XX
034.1113.XX

034.1122.XX

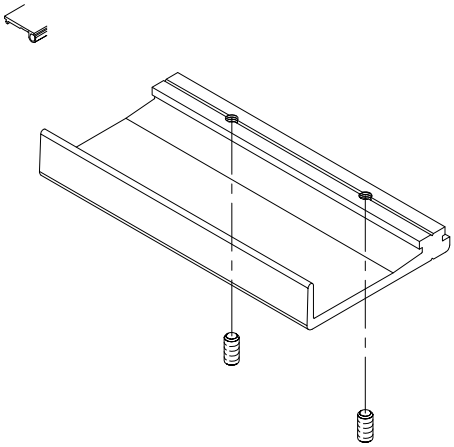
CW 60-SG
034.0161.XX

CW 65-EF
007.0207.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX
007.0215.XX

CS 77-FP

CW 86
CW 86-EF



073.7280.39

GLASSTEUN 44.5MM
SUPPORT CALE DE VITRAGE 44.5MM
GLASS SUPPORT 44.5MM
GLASAUFLAGEPROFIL 44.5MM
SOPORTE VIDRIO 44.5MM
PODPORKA POD PRZESZK. 44.5MM

H=15
B=100
D=54

2 st./pc
051.5282.--
DIN 916
M4 x 8

CW 50
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0163.XX

CW 50-VL
034.0119.XX

CW 60
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-HL
034.0156.XX
034.1113.XX
034.1122.XX

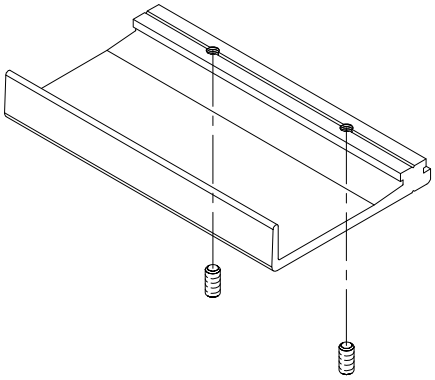
CW 60-SC
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF
007.0207.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX
007.0215.XX

CS 77-FP

CW 60-SG



073.7282.39

GLASSTEUN 50.5MM
SUPPORT CALE DE VITRAGE 50.5MM
GLASS SUPPORT 50.5MM
GLASAUFLAGEPROFIL 50.5MM
SOPORTE VIDRIO 50.5MM
PODPORKA POD PRZESZK. 50.5MM

H=15
B=100
D=60

2 st./pc
051.5282.--
DIN 916
M4 x 8

CW 50
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0163.XX

CW 50-VL
034.0119.XX

CW 60
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-HL
034.0156.XX
034.1113.XX
034.1122.XX

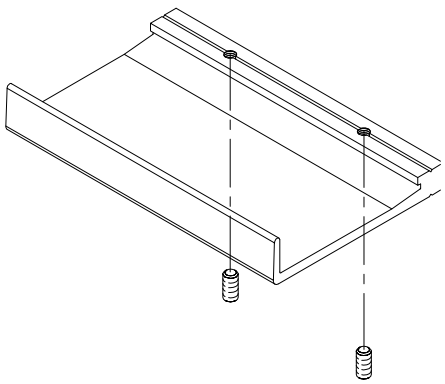
CW 60-SC
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF
007.0207.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX
007.0215.XX

CS 77-FP
CW 86
CW 86-EF

CW 60-SG



073.7284.39

GLASSTEUN 56.5MM
SUPPORT CALE DE VITRAGE 56.5MM
GLASS SUPPORT 56.5MM
GLASAUFLAGEPROFIL 56.5MM
SOPORTE VIDRIO 56.5MM
PODPORKA POD PRZESZK. 56.5MM

H=15
B=100
D=66

2 st./pc
051.5282.--
DIN 916
M4 x 8

CW 50
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0163.XX

CW 50-VL
034.0119.XX

CW 60
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-HL
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-SC
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF
007.0207.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX
007.0215.XX

CS 77-FP
CW 86
CW 86-EF

CW 60-SG

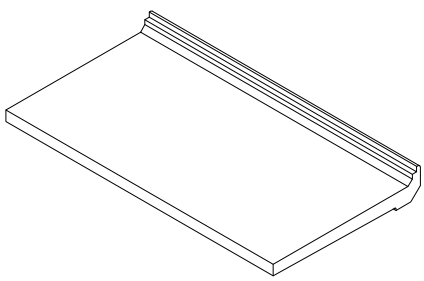
G

073.8219.00

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

10.4
100
71.5

CW 50

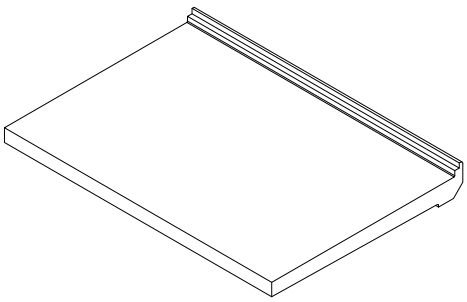


073.8218.00

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

10.4
100
55

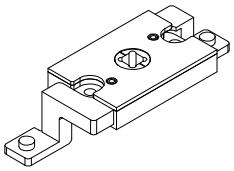
CW 50



INSTEEKSLOT
CREMONE SERRURE
INTERNAL LOCKING SYSTEM
EINSTECKGETRIEBE

Reynaers Aluminium

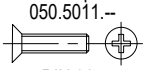
060.8199.--



INSTEEKSLOT 7MM / 43MM
BOITIER CARRE 7MM / 43MM
INTERNAL LOCKING SYSTEM 7MM / 43MM
EINSTECKGETRIEBE 7MM / 43MM
CREMONA DE CIERRE 7MM / 43MM
MECHANIZM WPUSZCZANY 7MM / 43MM

H=23mm
B=35mm
D=103mm

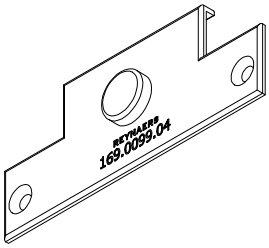
2 st./pc
050.5011.--



DIN 965
M5 x 20

CW OUTWARD OPENING

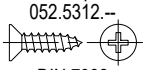
169.0099.04



AFDEKPLAAT
TOLE DE RECOUVREMENT
COVER PLATE
ABDECKPLATTE
TAPETA
PLYTKA MASKUJACA

H=15.5mm
B=40mm
D=96mm

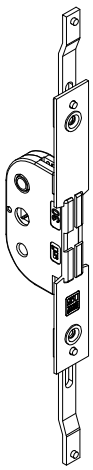
2 st./pc
052.5312.--



DIN 7982
4.2 x 13

CW OUTWARD OPENING

160.6999.--



INSTEEKSLOT
CREMONE SERRURE
INTERNAL LOCKING SYSTEM
EINSTECKGETRIEBE
CREMONA DE CIERRE
WEWNETRZNY SYSTEM RYGLUJACY

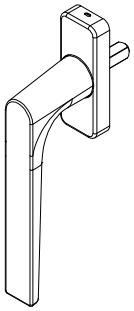
CW 50

G

060.6455.XX

TOUCH RAAMPOMP
TOUCH CREMONE
TOUCH HANDLE
TOUCH HANDHEBEL

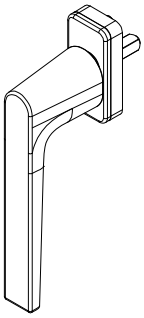
H=158.84 B=26.5 D=55.45
DIN L + DIN R



CF 68
CS 104-HI+
CS 38-SL
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-HV
CS 77-RE
CS 77-SO
CS 86-HI
ES 50
MASTERLINE 8-De
MASTERLINE 8-Fu
MASTERLINE 8-Sw
SL 38

060.6459.PA

TOUCH RAAMPOMP
TOUCH CREMONE
TOUCH HANDLE
TOUCH HANDHEBEL

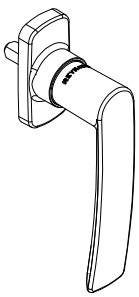


CS 104-HI
CS 59
CS 59-HV
CS 59PA
CS 68
CS 68-HV
CS 77
CS 77-BP
CS 77-HV
CS 77-SO
CS 86-HI
CW 50
ES 50
MASTERLINE 10-Fu
MASTERLINE 8-De
MASTERLINE 8-Fu
MASTERLINE 8-HV
MASTERLINE 8-Re
MASTERLINE 8-Sw
SL 38

060.8586.XX

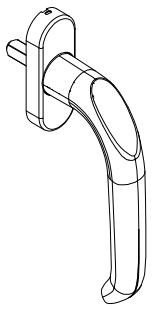
RAAMPOMP DK-KD OLIMPO EOS
CREMONE OB-BO OLIMPO EOS
HANDLE TUTI-TITU OLIMPO EOS
HANDHEBEL DK-KD OLIMPO EOS

H=150
B=60
D=31



CS 104-HI+
CS 38-SL
CS 45PA
CS 59
CS 59-HV
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-HV
CS 77-RE
CS 77-SO
CS 86-HI
ES 45PA
ES 50
MASTERLINE 8-Fu
SL 38
XS 68

061.6451.XX



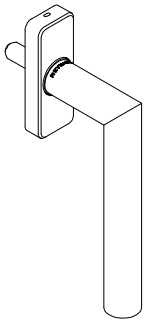
RAAMPOMP
CREMONE
HANDLE
HANDHEBEL
CREMONA
KLAMKA

H=161 B=71 D=26.5
Z=43 R=26.5 T=7

MASTERLINE 8-Fu
408.0102.XX
508.0102.XX
408.0192.XX
508.0192.XX
408.0112.XX
508.0112.XX

CF 68
CS 38-SL
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-HV
CS 77-RE
CS 86-HI
CW 50
ES 50
SL 38

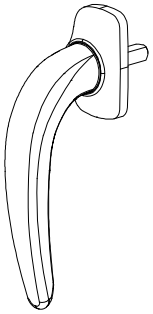
061.8961.--



RAAMPOMP
CREMONE
HANDLE
HANDHEBEL
CREMONA
KLAMKA

CS 68
CS 77
MASTERLINE 10-De
MASTERLINE 10-Fu
MASTERLINE 10-HV
MASTERLINE 10-Re
MASTERLINE 8-De
MASTERLINE 8-Fu
MASTERLINE 8-HV
MASTERLINE 8-Re
MASTERLINE 8-Sw
SL 38

060.8914.PA



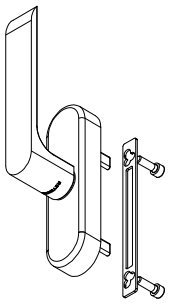
RAAMPOMP DK-KD-DR
CREMONE OB-BO-OF
HANDLE TUTI-TITU-SH
HANDHEBEL DK-KD-DF
CREMONA OB-BO-VP
KLAMKA ROZW-UCHYL. I UCHYL.-ROZW.

DIN L+R
ONLY AVAILABLE IN PAINTED FINISH

MASTERLINE 8-Fu
408.0102.XX
508.0102.XX
408.0192.XX
508.0192.XX
408.0112.XX
508.0112.XX

CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
ES 50
SL 38

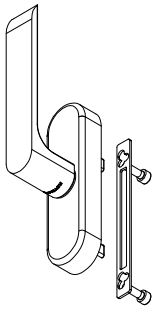
G



060.5064.XX

ERRETI RAAMPOMP TH-POW DIN R
ERRETI CREMONE TH-POW DIN R
ERRETI HANDLE TH-POW DIN R
ERRETI HANDHEBEL TH-POW DIN R
ERRETI CREMONA TH-POW DIN R
ERRETI KLAMKA TH-POW DIN R

CW OPENING ELEMENTS

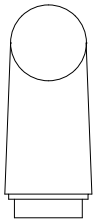


060.5028.XX

ERRETI RAAMPOMP TH-POW DIN L
ERRETI CREMONE TH-POW DIN L
ERRETI HANDLE TH-POW DIN L
ERRETI HANDHEBEL TH-POW DIN L
ERRETI CREMONA TH-POW DIN L
ERRETI KLAMKA TH-POW DIN L

CW OPENING ELEMENTS

021.2288.XX



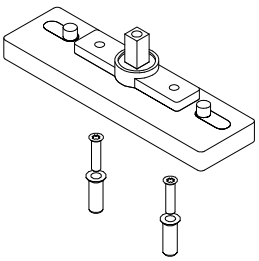
KRUK
POIGNEE
HANDLE
HANDGRIFF
CREMONA
KLAMKA

H=20mm
B=142mm
D=60mm

CW 50-FV
034.0141.XX

CW 50
CW 50-TT

021.2289.--



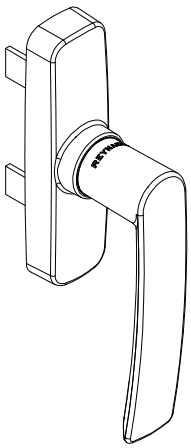
RAAMPOMP TOPSWING
CREMONE TOPSWING
HANDLE TOPSWING
HANDHEBEL TOPSWING
CREMONA TOPSWING
KLAMKA TOPSWING

H=30mm
B=167mm
D=32mm

CW 50-FV
034.0141.XX

CW 50
CW 50-TT

060.8583.PA



RAAMPOMP DK-KD OLIMPO GEA
CREMONE OB-BO OLIMPO GEA
HANDLE TUTI-TITU OLIMPO GEA
HANDHEBEL DK-KD OLIMPO GEA
CREMONA OB-BO OLIMPO GEA
KLAMKA ROZW-UCHYL. I UCHYL.-ROZW. OLIMPO GEA

H=178
B=64
D=33

CW 50
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 50-HL
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 50-SC
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-VL
034.0157.XX
034.2120.XX

CW 60
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

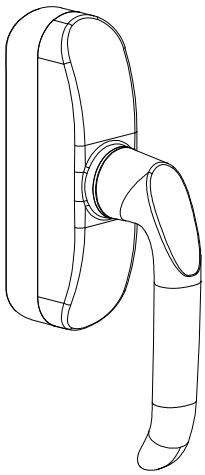
CW 60-HL
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 60-SC
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CS 104-HI+
CS 38-SL
CS 45PA
CS 59
CS 59-HV
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-HV
CS 77-RE
CS 77-SO
CS 86-HI
CW 50-SG
CW 86
CW 86-BR
ES 45PA
ES 50
MASTERLINE 8-Fu
SL 38
XS 68

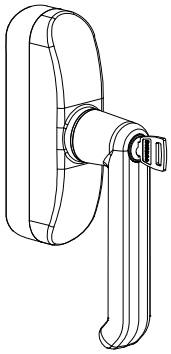
060.6212.PA



SOBINCO SCHUINE RAAMKRUK HORIZON
SOBINCO INCLINEE POIGNEE DE FENETRE HORIZON
SOBINCO WINDOW SLOPED HANDLE HORIZON
SOBINCO GENEIGTE HANDGRIFF HORIZON
SOBINCO VENTANA INCLINADAS HORIZON MANGO
SOBINCO POCHYLY KLAMKA OKIENNA HORIZON

ONLY AVAILABLE IN PAINTED FINISH

CS 104-HI+
CS 38-SL
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
CS 86-HI
CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 60
CW 60-HL
CW 60-SC
ES 50
MASTERLINE 8-Fu
SL 38

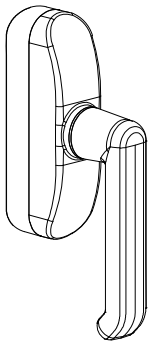


060.6217.PA

SOBINCO SCHUINE RAAMKRUK
SOBINCO INCLINEE POIGNEE DE FENETRE
SOBINCO WINDOW SLOPED HANDLE
SOBINCO GENEIGTE HANDGRIFF
SOBINCO VENTANA INCLINADAS MANGO
SOBINCO POCHYLY KLAMKA OKIENNA

ONLY AVAILABLE IN PAINTED FINISH

CS 104-HI+
CS 104-HI+/AP
CS 38-SL
CS 38-SL/AP
CS 59
CS 59-AP
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-AP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
CS 86-HI
CS 86-HI/AP
CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 60
CW 60-HL
CW 60-SC
ES 50
ES 50-AP
MASTERLINE 8-Fu
SL 38

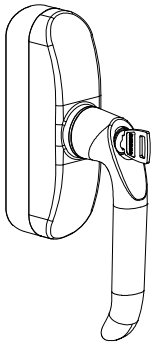


060.6216.PA

SOBINCO SCHUINE RAAMKRUK
SOBINCO INCLINEE POIGNEE DE FENETRE
SOBINCO WINDOW SLOPED HANDLE
SOBINCO GENEIGTE HANDGRIFF
SOBINCO VENTANA INCLINADAS MANGO
SOBINCO POCHYLY KLAMKA OKIENNA

ONLY AVAILABLE IN PAINTED FINISH

CS 104-HI+
CS 38-SL
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
CS 86-HI
CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 60
CW 60-HL
CW 60-SC
ES 50
MASTERLINE 8-Fu
SL 38

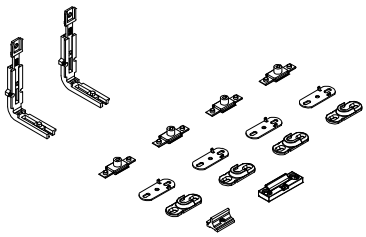


060.6214.PA

SOBINCO SCHUINE RAAMKRUK HORIZON
SOBINCO INCLINEE POIGNEE DE FENETRE HORIZON
SOBINCO WINDOW SLOPED HANDLE HORIZON
SOBINCO GENEIGTE HANDGRIFF HORIZON
SOBINCO VENTANA INCLINADAS HORIZON MANGO
SOBINCO POCHYLY KLAMKA OKIENNA HORIZON

ONLY AVAILABLE IN PAINTED FINISH

CS 104-HI+
CS 104-HI+/AP
CS 38-SL
CS 38-SL/AP
CS 59
CS 59-AP
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-AP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
CS 86-HI
CS 86-HI/AP
CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 60
CW 60-HL
CW 60-SC
ES 50
ES 50-AP
MASTERLINE 8-Fu
SL 38

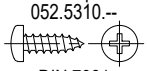


060.8131.--

BASISSET BUITENDRAAIEND STANDAARD 16MM
KIT DE VERROUILLAGE OUVRANT EXTERIEUR 16MM
BASIC SET OUTWARD STANDARD 16MM
GRUNDKARTON AUSSEN OEFFNEND STANDARD 16MM
CONJUNTO BASICO APERTURA EXTERIOR 16MM
ZESTAW PODST. DO OKNA OTWIERANEGO NA ZEWNATRZ 16MM

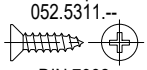
CW OUTWARD OPENING

1 st./pc
052.5310.--



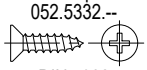
DIN 7981
4.2 x 16

2 st./pc
052.5311.--

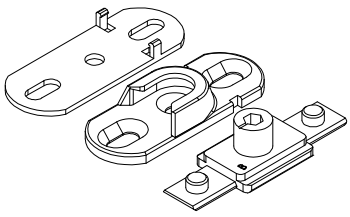


DIN 7982
4.2 x 16

12 st./pc
052.5332.--



DIN 7982
4.8 x 13

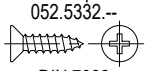


060.8135.--

SET STANDAARD SLUITPUNT 16 MM
KIT POINT DE FERMETURE STANDARD 16 MM
SET STANDARD LOCKING POINT 16 MM
SET SCHLIESSPUNKT STANDARD 16 MM
CONJUNTO CERRADEROS 16 MM
KOMPLET KOLKOW RYGLUJACYCH 16 MM

CW OUTWARD OPENING

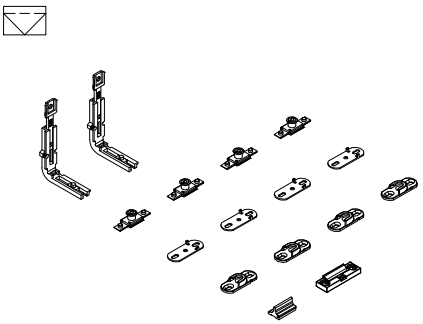
3 st./pc
052.5332.--



DIN 7982
4.8 x 13

G

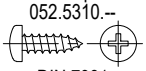
BASSISET BUITENDRAAIEND INTERLOCK
KIT DE VERROUILLAGE OUVR. EXT. FERM. INTERM.
BASIC SET OUTWARD INTERLOCK
GRUNDKARTON AUSSEN OEFFNEND PILZVERSCHLUSS

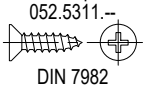


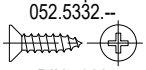
060.8132.--

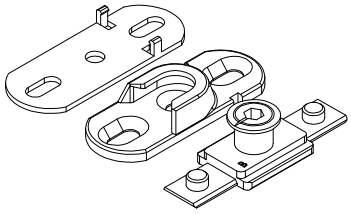
BASSISET BUITENDRAAIEND INTERLOCK 16 MM
KIT DE VERROUILLAGE OUVR. EXT. FERM. INTERM. 16 MM
BASIC SET OUTWARD INTERLOCK 16 MM
GRUNDKARTON AUSSEN OEFFNEND PILZVERSCHLUSS 16 MM
CONJUNTO BASICO APERTURA EXTERIOR 16 MM
ZESTAW PODST. DO OKNA OTWIERANEGO NA ZEWNATRZ 16 MM

CW OUTWARD OPENING

1 st./pc
052.5310.--

DIN 7981
4.2 x 16

2 st./pc
052.5311.--

DIN 7982
4.2 x 16

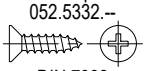
12 st./pc
052.5332.--

DIN 7982
4.8 x 13



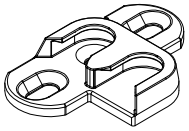
060.8136.--

SET INTERLOCK SLUITPUNT 16 MM
KIT POINT DE FERMETURE INTERMEDIAIRE 16 MM
SET INTERLOCK LOCKING POINT 16 MM
SET PILZVERSCHLUSS 16 MM
CONJUNTO CERRADEROS "INTERLOCK" 16 MM
KOMPLET KOLKOW RYGLUJACYCH "INTERLOCK" 16 MM

CW OUTWARD OPENING

3 st./pc
052.5332.--

DIN 7982
4.8 x 13

G



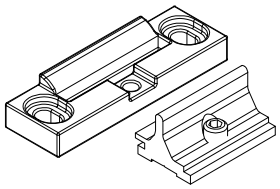
060.8143.--

SLUITSTUK NACHTVENTILATIE
GACHE POINT DE FERMETURE NOCTURNE
LOCK PLATE NIGHT VENTILATION
SCHLIESSSTUECK NACHTLUEFTUNG
CERRADERO MARCO
PLYTKA RYGLUJACA

H=9.5mm
B=57.5mm
D=38mm

3 st./pc
052.5332.--
DIN 7982
4.8 x 13

CW OUTWARD OPENING



060.8139.--

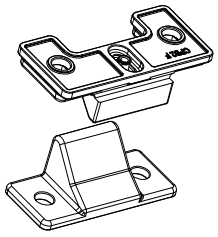
SLUITPUNT BOVENZIJDE 16 mm
VEROUILLAGE HAUT 16 mm
TOP LOCKING POINT 16 mm
SET SCHLIESSPUNKT OBEN 16 mm
PUNTO DE CIERRE 16 mm
PUNKT RYGLUJACY 16 mm

H=16.5mm
B=20mm
D=63.5mm

1 st./pc
052.5310.--
DIN 7981
4.2 x 16

2 st./pc
052.5311.--
DIN 7982
4.2 x 16

CW OUTWARD OPENING

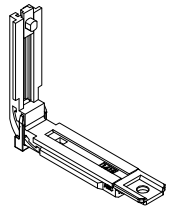


060.8373.--

SLUITPUNT BOVENZIJDE
VEROUILLAGE HAUT
TOP LOCKING POINT
SET SCHLIESSPUNKT OBEN
PUNTO DE CIERRE
PUNKT RYGLUJACY

5 st./pc
052.5317.--
DIN 7981
4.2 x 13

CW OUTWARD OPENING

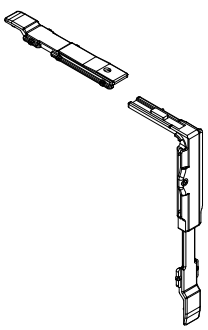


060.8181.--

HOEKOVERBRENGING
RENVOI D'ANGLE
CORNER REVERSING PART
ECKUMLENKUNG
ANGULO REENVIO
ELEMENT ODWRACAJACY

H=85mm
B=20mm
D=102mm

CW OUTWARD OPENING



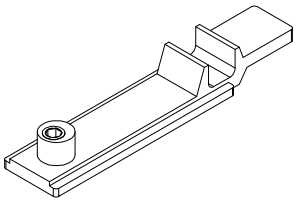
060.7872.--

HOEKOVERBRENGING
TRANSMISSION ANGULAIRE
CORNER REVERSING PART
ECKUMLENKUNG
ANGULO REENVIO
ELEMENT ODWRACAJACY

CW 50	CW 50-HL	CW 50-SC	
034.0156.XX	034.0156.XX	034.0156.XX	**CW 50-VL**
034.0157.XX	034.0157.XX	034.1113.XX	034.0157.XX
034.1113.XX	034.1113.XX	034.1122.XX	034.2120.XX
034.1122.XX	034.1122.XX		
034.2120.XX	034.2120.XX	**CW 50-SG**	**CW 60**
		034.0163.XX	034.0156.XX

G

021.2294.--

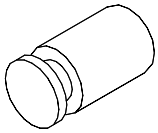


GRENDEL
VERROU
BOLT
RIEGEL
PESTILLO
PRET Z BOLCEM RYGLUJACYM

H=12mm
B=20mm
D=92mm

CW 50
CW 50-FV
CW 50-TT
XS 68

021.2291.--

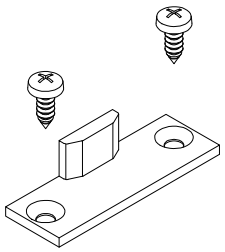


SLUITPEN
ROULEAU
LOCK PIN
SCHLIESSROLLE
BULON
KOLEK RYGLUJACY

B=30mm
D=38mm

CS 45PA
CW 50
CW 50-TT

021.2295.--



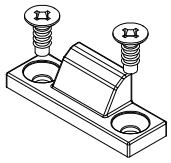
SLUITSTUK
GACHE
LOCK PLATE
SCHLIESSSTUECK
CERRADERO MARCO
KOLEK RYGLUJACY

H=14mm
B=60mm
D=20mm

CW 50-FV
034.0141.XX

CS 45PA
CW 50
CW 50-TT

022.5255.--

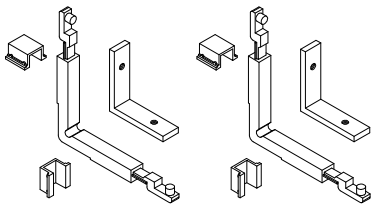


STEUNSPIJL
RAIDISSEUR
NEWEL POST
PFOSTEN
MONTANTE BARANDILLA
SLUPEK DO BALUSTRADY

H=14mm
B=15mm
D=46mm

CW 50
CW 50-FV
CW 50-TT

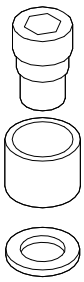
021.2072.--



HOEKOVERBRENGING
TRANSMISSION ANGULAIRE
CORNER REVERSING PART
ECKUMLENKUNG
ANGULO REENVIO
ELEMENT ODWRACAJACY

CS 45PA
CW 50
CW 50-TT
HIFI

G



060.7065.--

SLUITROL PEN
ROULEAU DE FERMETURE CHEVILLE
LOCK ROLL PIN
SCHLIESSROLLE STIFT
CERRADERO BULON
KOLEK OBROTOWY RYGLUJACY

H=7.5
Ø10

CW 50
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 50-HL
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 50-SC
034.0156.XX

034.1113.XX
034.1121.XX
034.1122.XX

CW 50-VL
034.0157.XX
034.1121.XX
034.2120.XX

CW 60
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 60-HL

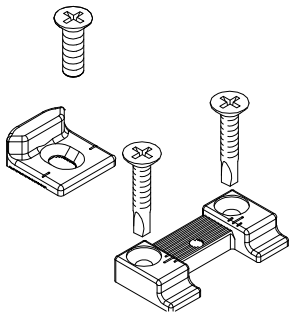
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 60-SC
034.0156.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 65-EF
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX

034.1122.XX
034.2120.XX

CS 104-HI+
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
CW 50-SG
CW 50-TT



060.7075.--

SLUITSTUK REGELBAAR
GACHE REGLABLE
LOCK PLATE ADJUSTABLE
SCHLIESSSTUECK VERSTELLBAR
CERRADERO MARCO REGULABLE
REGULOWANA PLYTKA RYGLUJACA

H=13
B=19.3
D=40

CW 50
034.0155.XX
034.1121.XX

CW 50-HL
034.0155.XX
034.1121.XX

CW 50-SC
034.0119.XX
034.0155.XX
034.1121.XX

CW 50-SG
034.0163.XX

CW 50-VL
034.0119.XX

034.0155.XX
034.1121.XX

CW 60
034.0155.XX
034.1121.XX

CW 60-HL
034.0155.XX
034.1121.XX

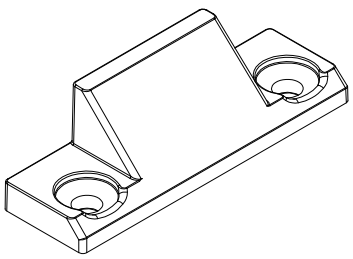
CW 60-SC
034.0155.XX
034.1121.XX

CW 65-EF
034.0155.XX
034.1121.XX

CW 86
CW 86-BR
CW 86-EF

1 st./pc
050.5002.--
DIN 965
M4 x 8

2 A2-70/pc
053.5406.--
DIN 7504P
4.2 x 16



069.7073.01

SLUITSTUK
GACHE
LOCK PLATE
SCHLIESSSTUECK
CERRADERO MARCO
KOLEK RYGLUJACY

H=14
B=15
D=50

CW 50
034.1121.XX
034.1122.XX

CW 50-HL
034.1121.XX
034.1122.XX

CW 50-SC
034.1121.XX
034.1122.XX

CW 50-VL
034.1121.XX

CW 60
034.1121.XX
034.1122.XX

CW 60-HL
034.1121.XX
034.1122.XX

CW 60-SC
034.1121.XX
034.1122.XX

CW 65-EF
034.1121.XX
034.1122.XX

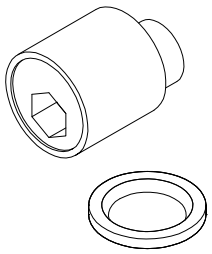
CW 86
CW 86-EF
CW 86-SG

CW 86-BR

2 st./pc
052.5312.--
DIN 7982
4.2 x 13

G

060.7076.--

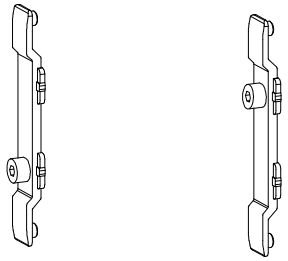


SLUITPEN
ROULEAU
LOCK PIN
SCHLIESSROLLE
BULON
KOLEK RYGLUJACY

H=13.7MM
d=Ø 8MM

CR 120
CW 50
CW 50-VL
CW 60

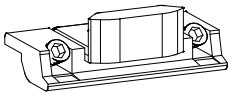
060.8346.--



MIDDENSLUITING 1800<FH<2400
VERROUILLAGE CENTRAL 1800<FH<2400
CENTRAL CLOSURE 1800<FH<2400
MITTELVERSCHLUSS 1800<FH<2400
PUNTO DE ANCLAJE INTERMEDIO 1800<FH<2400
BLOKADA CENTRALNA 1800<FH<2400

CS 38-SL
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
ES 50

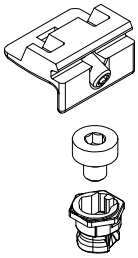
060.6242.--



SLUITSTUK REGELBAAR
GACHE REGLABLE
LOCK PLATE ADJUSTABLE
SCHLIESSSTUECK VERSTELLBAR
CERRADERO MARCO REGULABLE
REGULOWANA PLYTKA RYGLUJACA

CS 104-HI+
CS 38-SL
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO
CS 68
CS 68-AP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV
ES 50
MASTERLINE 8-Fu
SL 38

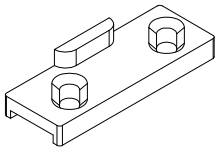
060.7889.--



SLUITSTUK AP
GACHE AP
LOCK PLATE AP
SCHLIESSSTUECK AP
CERRADERO MARCO AP
KOLEK RYGLUJACY AP

CS 104-HI+/AP
CS 77-AP
CS 86-HI/AP
MASTERLINE 8-Fu

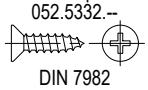
060.7072.--



SLUITSTUK REGELBAAR
GACHE REGLABLE
LOCK PLATE ADJUSTABLE
SCHLIESSSTUECK VERSTELLBAR
CERRADERO MARCO REGULABLE
REGULOWANA PLYTKA RYGLUJACA

H=12.5
B=20.5
D=57

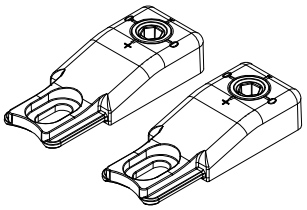
2 st./pc
052.5332.--



DIN 7982
4.8 x 13

CW 50	034.0119.XX	034.0119.XX	034.1121.XX
034.1121.XX	034.1121.XX	034.1121.XX	
			CW 60-SC
CW 50-HL	**CW 50-SG**	**CW 60**	034.1121.XX
034.1121.XX	034.0163.XX	034.1121.XX	
			CW 65-EF
CW 50-SC	**CW 50-VL**	**CW 60-HL**	034.1121.XX

G

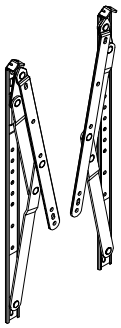


060.8100.--

SCHAAR STELBLOKJE +3 -1.5 MM
PIECE DE REGLAGE COMPAS +3 -1.5 MM
HINGE ADJUSTER +3 -1.5 MM
EINSTELLSTUECK SCHERE +3 -1.5 MM
ADAPTION +3 -1.5 MM
REGULUJACY +3 -1.5 MM

H=16mm
B=23mm
D=57mm

CW OUTWARD OPENING



060.8104.--

SCHAREN UITZETZAKRAAM OFFSET 406MM 16"
COMPAS FENETRE OUVRANT A L'ITALIENNE OFFSET 406MM 16"
FRICTION STAYS TOP HUNG WINDOW OFFSET 406MM 16"
SCHERE SENKKLAPPFENSTER OFFSET 406MM 16"
COMPAS VENTANA PROYECTANTE OFFSET 406MM 16"
NOZYCE OKNO WYCHYLNE OFFSET 406MM 16"

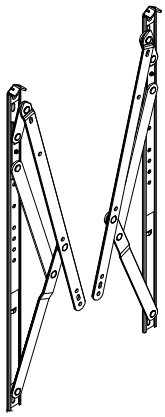
H=16mm
B=23mm
D=420mm

CW OUTWARD OPENING

8 st./pc
050.5119.--
DIN 7985
M5 x 12

10 st./pc
052.5330.--
DIN 7981
4.8 x 13

4 st./pc
057.5713.--
M5



060.8105.--

SCHAREN UITZETZAKRAAM OFFSET 508MM 20"
COMPAS FENETRE OUVRANT A L'ITALIENNE OFFSET 508MM 20"
FRICTION STAYS TOP HUNG WINDOW OFFSET 508MM 20"
SCHERE SENKKLAPPFENSTER OFFSET 508MM 20"
COMPAS VENTANA PROYECTANTE OFFSET 508MM 20"
NOZYCE OKNO WYCHYLNE OFFSET 508MM 20"

H=16mm
B=23mm
D=523mm

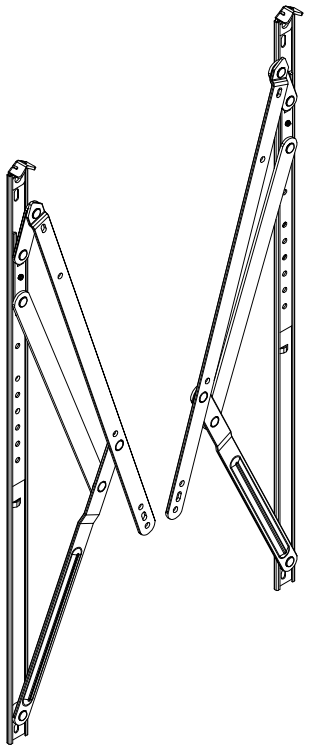
CW OUTWARD OPENING

8 st./pc
050.5119.--
DIN 7985
M5 x 12

10 st./pc
052.5330.--
DIN 7981
4.8 x 13

4 st./pc
057.5713.--
M5

G



060.8106.--

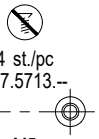
SCHAREN UITZETZAKRAAM OFFSET 610MM 24"
COMPAS FENETRE OUVRANT A L'ITALIENNE OFFSET 610MM 24"
FRICTION STAYS TOP HUNG WINDOW OFFSET 610MM 24"
SCHERE SENKKLAPPFENSTER OFFSET 610MM 24"
COMPAS VENTANA PROYECTANTE OFFSET 610MM 24"
NOZYCE OKNO WYCHYLNE OFFSET 610MM 24"

H=16mm
B=23mm
D=625mm

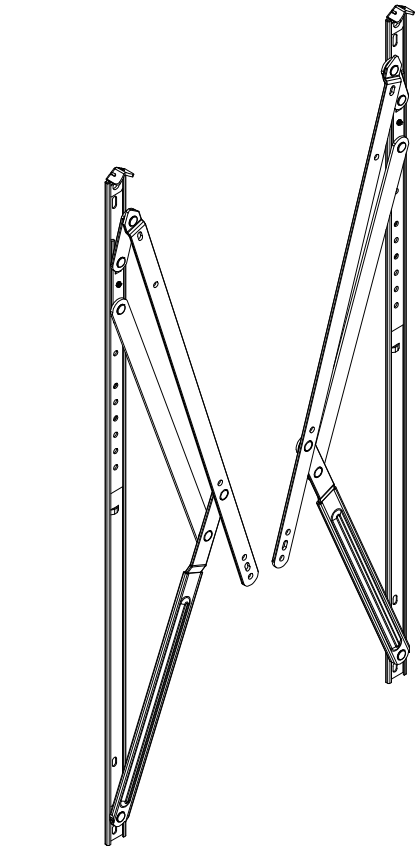
CW OUTWARD OPENING

8 st./pc
050.5119.--
DIN 7985
M5 x 12

10 st./pc
052.5330.--
DIN 7981
4.8 x 13



4 st./pc
057.5713.--
M5



060.8107.--

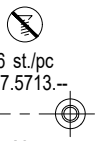
SCHAREN UITZETZAKRAAM OFFSET 711MM 28"
COMPAS FENETRE OUVRANT A L'ITALIENNE OFFSET 711MM 28"
FRICTION STAYS TOP HUNG WINDOW OFFSET 711MM 28"
SCHERE SENKKLAPPFENSTER OFFSET 711MM 28"
COMPAS VENTANA PROYECTANTE OFFSET 711MM 28"
NOZYCE OKNO WYCHYLNE OFFSET 711MM 28"

H=16mm
B=23mm
D=725mm

CW OUTWARD OPENING

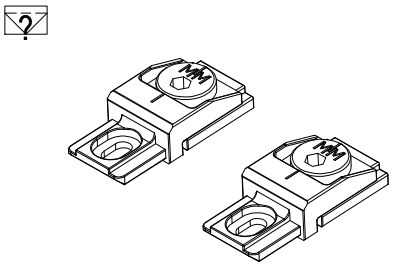
10 st./pc
050.5119.--
DIN 7985
M5 x 12

10 st./pc
052.5330.--
DIN 7981
4.8 x 13



6 st./pc
057.5713.--
M5

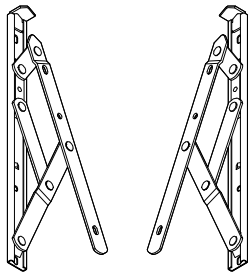
G



060.8372.--

SCHAAR STELBLOKJE +2 -2 mm
PIECE DE REGLAGE COMPAS +2 -2 mm
HINGE ADJUSTER +2 -2 mm
EINSTELLSTUECK SCHERE +2 -2 mm
ADAPTION +2 -2 mm
REGULUJACY +2 -2 mm

CW OUTWARD OPENING

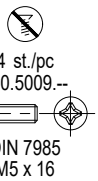


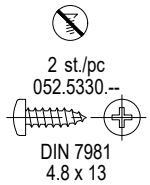
060.8310.--

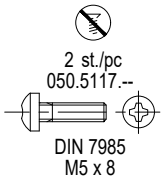
SCHAAR 313MM 12" MAX 45KG
COMPAS 313MM 12" MAX 45KG
FRICTION STAYS 313MM 12" MAX 45KG
AUSSTELLSCHERE 313MM 12" MAX 45KG
COMPAS 313MM 12" MAX 45KG
NOZYCE 313MM 12" MAX 45KG

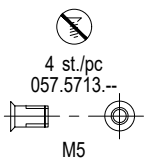
H=313.2 D=16
FOR SCREWS SEE TABLE F-PAGES
OR OPENING SYSTEMS

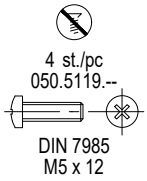
CS 68
CW OUTWARD OPENING
ES 50

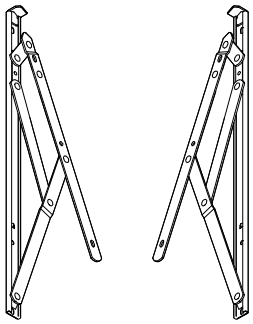










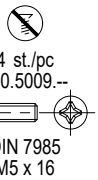


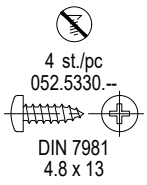
060.8311.--

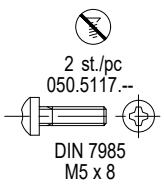
SCHAAR 415MM 16" MAX 55KG
COMPAS 415MM 16" MAX 55KG
FRICTION STAYS 415MM 16" MAX 55KG
AUSSTELLSCHERE 415MM 16" MAX 55KG
COMPAS 415MM 16" MAX 55KG
NOZYCE 415MM 16" MAX 55KG

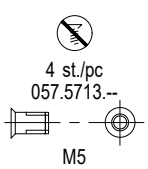
H=414.6 D=16
FOR SCREWS SEE TABLE F-PAGES
OR OPENING SYSTEMS

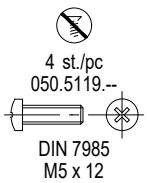
CS 68
CW OUTWARD OPENING
ES 50





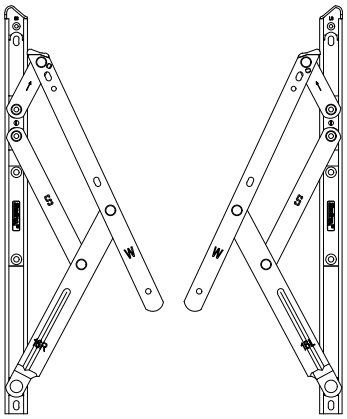






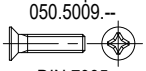
G

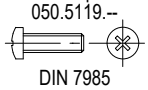
060.8314.--

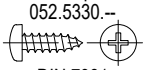


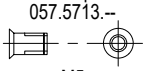
SCHAREN UITZETZAKRAAM
COMPAS OUVRANT A L'IT.
FRICTION STAYS TOP HUNG
SCHERE SENKKLAPPF.
COMPAS VENT. PROYECT.
NOZYCE OKNO WYCHYLNE

CW OUTWARD OPENING

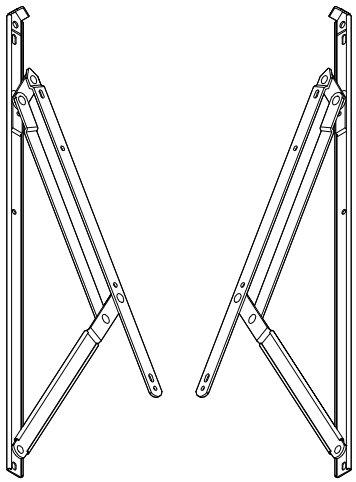
4 st./pc
050.5009.--

DIN 7985
M5 x 16

6 st./pc
050.5119.--

DIN 7985
M5 x 12

4 st./pc
052.5330.--

DIN 7981
4.8 x 13

4 st./pc
057.5713.--

M5

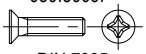
060.8287.--

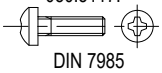


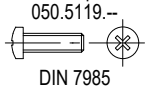
SCHAAR 567MM 22" MAX 100KG
COMPAS 567MM 22" MAX 100KG
FRICTION STAYS 567MM 22" MAX 100KG
AUSSTELLSCHERE 567MM 22" MAX 100KG
COMPAS 567MM 22" MAX 100KG
NOZYCE 567MM 22" MAX 100KG

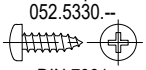
H=567 D=16
FOR SCREWS SEE TABLE F-PAGES
OR OPENING SYSTEMS

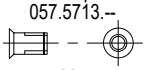
CS 24-SL
CS 59
CS 68
CS 77
CW OUTWARD OPENING
ES 50
ES 75

4 st./pc
050.5009.--

DIN 7985
M5 x 16

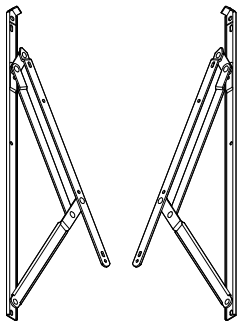
4 st./pc
050.5117.--

DIN 7985
M5 x 8

4 st./pc
050.5119.--

DIN 7985
M5 x 12

4 st./pc
052.5330.--

DIN 7981
4.8 x 13

4 st./pc
057.5713.--

M5

G



060.8312.--

SCHAAR 567MM 22" MAX 100KG
COMPAS 567MM 22" MAX 100KG
FRICTION STAYS 567MM 22" MAX 100KG
AUSSTELLSCHERE 567MM 22" MAX 100KG
COMPAS 567MM 22" MAX 100KG
NOZYCE 567MM 22" MAX 100KG

H=570.6 D=16
FOR SCREWS SEE TABLE F-PAGES
OR OPENING SYSTEMS

CS 68
CS 77
CS 77-AP
CW OUTWARD OPENING
ES 50

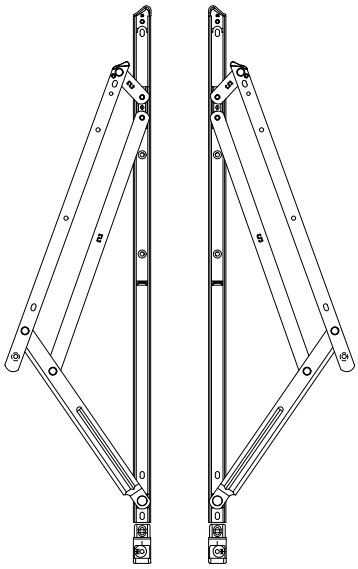
4 st./pc
050.5009.--
DIN 7985
M5 x 16

2 st./pc
050.5117.--
DIN 7985
M5 x 8

6 st./pc
050.5119.--
DIN 7985
M5 x 12

2 st./pc
052.5330.--
DIN 7981
4.8 x 13

4 st./pc
057.5713.--
M5



060.8370.--

SCHAAR 716.5MM 180KG
COMPAS 716.5MM 180KG
FRICTION STAYS 716.5MM 180KG
AUSSTELLSCHERE 716.5MM 180KG
COMPAS 716.5MM 180KG
NOZYCE 716.5MM 180KG

H=716.5
B=27.5
D=16

CW 50
034.0155.XX
034.0156.XX
034.0157.XX

CW 50-HL
034.0155.XX
034.0156.XX
034.0157.XX

CW 50-SC
034.0155.XX
034.0156.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0155.XX
034.0157.XX

CW 60
034.0155.XX
034.0156.XX
034.0157.XX

CW 60-HL
034.0155.XX
034.0156.XX
034.0157.XX

CW 60-SC
034.0155.XX
034.0156.XX

CW 65-EF
034.0155.XX
034.0156.XX
034.0157.XX

CW 86
012.5356.XX
012.5357.XX
012.5358.XX
012.5359.XX
012.5360.XX
012.5361.XX
012.5362.XX
012.5366.XX
012.5375.XX
007.0120.XX
028.2051.XX
007.0160.XX

CW 86-EF
007.0100.XX
007.0120.XX
028.2051.XX
007.0160.XX

CW 86-BR
CW OUTWARD OPENING

4 st./pc
050.5009.--
DIN 7985
M5 x 16

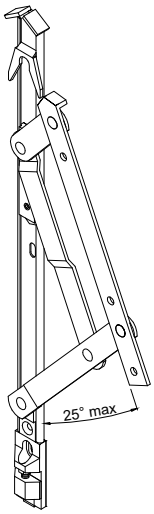
4 st./pc
050.5117.--
DIN 7985
M5 x 8

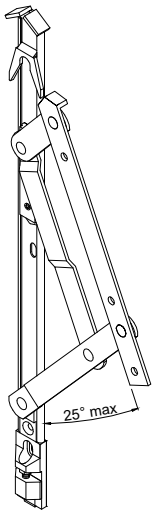
8 st./pc
050.5119.--
DIN 7985
M5 x 12

4 st./pc
052.5330.--
DIN 7981
4.8 x 13

6 st./pc
057.5713.--
M5

G





021.5640.--

SCHAREN
COMPAS
FRICTION STAYS
SCHERE
COMPAS
NOZYCE

H=400
B=30
D=16

CW 50
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 50-HL
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 50-SC
034.0118.XX
034.0119.XX
034.0155.XX
034.0156.XX
034.1121.XX
034.1122.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0118.XX
034.0119.XX
034.0155.XX
034.0157.XX
034.1121.XX

CW 60
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 60-HL
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 60-SC
034.0155.XX
034.0156.XX
034.1121.XX
034.1122.XX

CW 65-EF
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CS 45PA
012.1206.XX

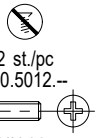
CW 50-FV
034.0140.XX
034.0141.XX

CW 86
012.5356.XX
012.5357.XX
012.5358.XX
012.5359.XX
012.5360.XX
012.5361.XX
012.5362.XX
012.5366.XX
012.5375.XX
007.0120.XX
028.2051.XX
007.0160.XX

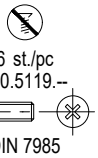
CW 86-EF
007.0100.XX
007.0120.XX
028.2051.XX
007.0160.XX

CW 86-BR
HIFI

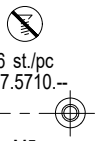
6 st./pc
050.5009.--
DIN 7985
M5 x 16



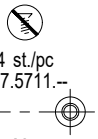
2 st./pc
050.5012.--
DIN 965
M5 x 12



6 st./pc
050.5119.--
DIN 7985
M5 x 12



6 st./pc
057.5710.--
M5

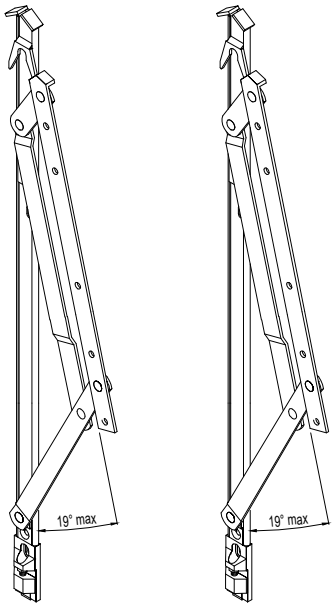


4 st./pc
057.5711.--
M5

G

021.5650.--

SCHAAR
COMPAS
FRICTION STAYS
AUSSTELLSCHERE
COMPAS
NOZYCE



H=535
B=30
D=16

CW 50
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 50-HL
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 50-SC
034.0118.XX
034.0119.XX
034.0155.XX
034.0156.XX
034.1121.XX
034.1122.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0118.XX
034.0119.XX
034.0155.XX
034.0157.XX
034.1121.XX

CW 60
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 60-HL
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 60-SC
034.0155.XX
034.0156.XX
034.1121.XX
034.1122.XX

CW 65-EF
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CS 45PA
012.1206.XX

CW 50-FV
034.0140.XX
034.0141.XX

CW 86
012.5356.XX
012.5357.XX
012.5358.XX
012.5359.XX
012.5360.XX
012.5361.XX
012.5362.XX
012.5366.XX
012.5375.XX
007.0120.XX
028.2051.XX
007.0160.XX

CW 86-EF
007.0100.XX
007.0120.XX
028.2051.XX
007.0160.XX

CW 86-BR
HIFI

8 st./pc
050.5009.--
DIN 7985
M5 x 16

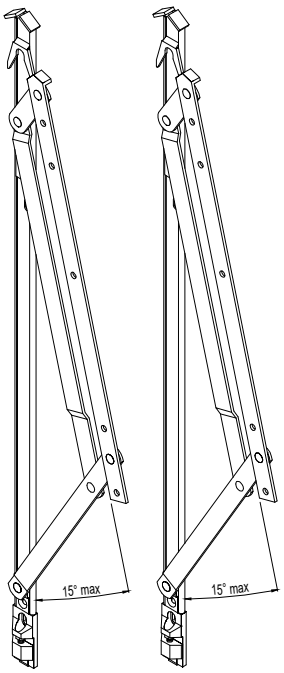
2 st./pc
050.5012.--
DIN 965
M5 x 12

6 st./pc
050.5119.--
DIN 7985
M5 x 12

6 st./pc
057.5710.--
M5

4 st./pc
057.5711.--
M5

G



021.5660.--

SCHAREN
COMPAS
FRICTION STAYS
SCHERE
COMPAS
NOZYCE

H=665
B=30
D=16

CW 50
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 50-HL
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 50-SC
034.0118.XX
034.0119.XX
034.0155.XX
034.0156.XX
034.1121.XX
034.1122.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0118.XX
034.0119.XX
034.0155.XX
034.0157.XX
034.1121.XX

CW 60
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 60-HL
034.0121.XX
034.0122.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CW 60-SC
034.0155.XX
034.0156.XX
034.1121.XX
034.1122.XX

CW 65-EF
034.0155.XX
034.0156.XX
034.0157.XX
034.1121.XX
034.1122.XX

CS 45PA
012.1206.XX

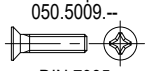
CW 50-FV
034.0140.XX
034.0141.XX

CW 86
012.5356.XX
012.5357.XX
012.5358.XX
012.5359.XX
012.5360.XX
012.5361.XX
012.5362.XX
012.5366.XX
012.5375.XX
007.0120.XX
028.2051.XX
007.0160.XX

CW 86-EF
007.0100.XX
007.0120.XX
028.2051.XX
007.0160.XX

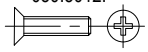
CW 86-BR
HIFI

8 st./pc
050.5009.--



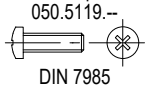
DIN 7985
M5 x 16

2 st./pc
050.5012.--



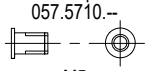
DIN 965
M5 x 12

6 st./pc
050.5119.--



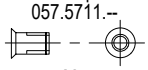
DIN 7985
M5 x 12

6 st./pc
057.5710.--



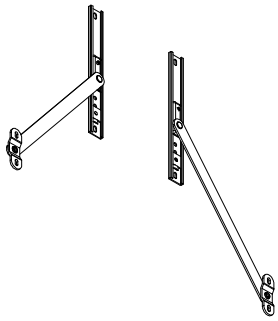
M5

4 st./pc
057.5711.--



M5

G



060.8154.--

RAAMBEGRENZER 254 / 203 mm
LIMITEUR D'OUVERTURE 254 / 203 mm
RESTRICTOR 254 / 203 mm
BEGRENZUNGSSCHERE 254 / 203 mm
COMPAS LIMITADOR DE ABERTURA 254 / 203 mm
OGRANICZNIK 254 / 203 mm

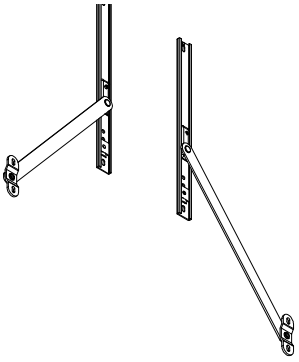
H=16mm
B=23mm
D=345mm

CW OUTWARD OPENING

2 st./pc
050.5000.--
DIN 965
M5 x 10

2 st./pc
050.5119.--
DIN 7985
M5 x 12

6 st./pc
052.5330.--
DIN 7981
4.8 x 13



060.8157.--

RAAMBEGRENZER 280 /280 mm
LIMITEUR D'OUVERTURE 280 /280 mm
RESTRICTOR 280 /280 mm
BEGRENZUNGSSCHERE 280 /280 mm
COMPAS LIMITADOR DE ABERTURA 280 /280 mm
OGRANICZNIK 280 /280 mm

H=16mm
B=23mm
D=421mm

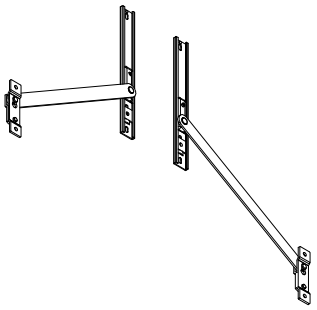
CW OUTWARD OPENING

2 st./pc
050.5000.--
DIN 965
M5 x 10

2 st./pc
050.5119.--
DIN 7985
M5 x 12

6 st./pc
052.5330.--
DIN 7981
4.8 x 13

G



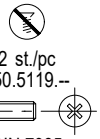
060.8174.--

RAAMBEGRENZER BEVEILIGD 254 / 203 mm
LIMITEUR D'OUVERTURE VERROUILLABLE 254 / 203 mm
RESTRICTOR KEYED 254 / 203 mm
BEGRENZUNGSSCHERE GESICHERT 254 / 203 mm
COMPAS LIMITR DE ABERTURA ASEGURADO 254 / 203 mm
OGRANICZNIK OKIEN ZABEZPIECZONY 254 / 203 mm

CW OUTWARD OPENING

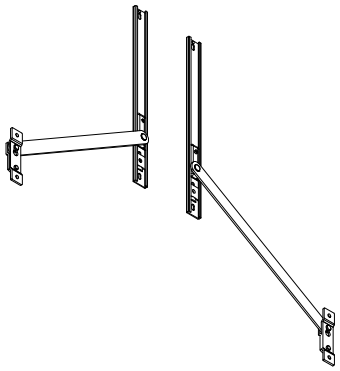
H=16mm
B=23mm
D=317mm

2 st./pc
050.5000.--
DIN 965
M5 x 10



2 st./pc
050.5119.--
DIN 7985
M5 x 12

6 st./pc
052.5330.--
DIN 7981
4.8 x 13



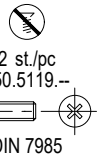
060.8177.--

RAAMBEGRENZER BEVEILIGD 280/280 mm
LIMITEUR D'OUVERTURE VERROUILLABLE 280/280 mm
RESTRICTOR KEYED 280/280 mm
BEGRENZUNGSSCHERE GESICHERT 280/280 mm
COMPAS LIMITR DE ABERTURA ASEGURADO 280/280 mm
OGRANICZNIK OKIEN ZABEZPIECZONY 280/280 mm

CW OUTWARD OPENING

H=16mm
B=23mm
D=406mm

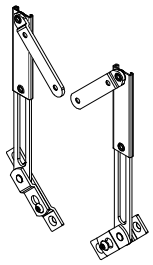
2 st./pc
050.5000.--
DIN 965
M5 x 10



2 st./pc
050.5119.--
DIN 7985
M5 x 12

6 st./pc
052.5330.--
DIN 7981
4.8 x 13

G



060.8124.--

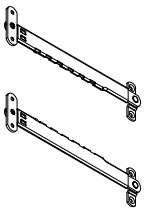
RAAMBEGRENZER UNIVERSAL
LIMITEUR D'OUVERTURE UNIVERSAL
RESTRICTOR UNIVERSAL
BEGRENZUNGSSCHERE UNIVERSAL
COMPAS LIMITADOR DE ABERTURA UNIVERSAL
OGRANICZNIK UNIVERSAL

H=16mm
B=85mm
D=232mm

4 st./pc
050.5012.--

DIN 965
M5 x 12

CW OUTWARD OPENING



060.8123.--

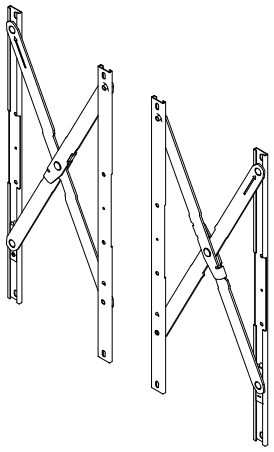
RAAMBEGRENZER MULTI POSITIE
LIMITEUR D'OUVERTURE MULTI POSITION
RESTRICTOR MULTI POSITION
BEGRENZUNGSSCHERE MULTIPOSITION
COMPAS LIMIT. DE ABERTURA POS. MILTIPLE
OGRANICZNIK WIELOZADANIOWY

H=15mm
B=29mm
D=270mm

4 st./pc
050.5012.--

DIN 965
M5 x 12

CW OUTWARD OPENING

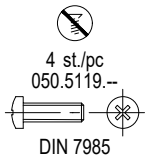


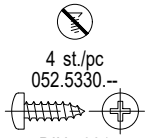
060.8115.--

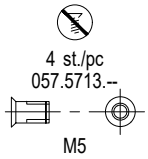
PARALLEL UITZETSCHAAR INLINE 470mm 18.5"
COMPAS OUVRANT PARALLEL INLINE 470mm 18.5"
PARALLEL OPENING FRICTION STAYS INLINE 470mm 18.5"
PARALLEL AUSSTELLSCHERE INLINE 470mm 18.5"
COMPAS APERTURA PARALELA INLINE 470mm 18.5"
NOZYCE OKNA ROWNOLEGLE WYSUWANEGO NA ZEWN. INLINE 470mm 18.5"

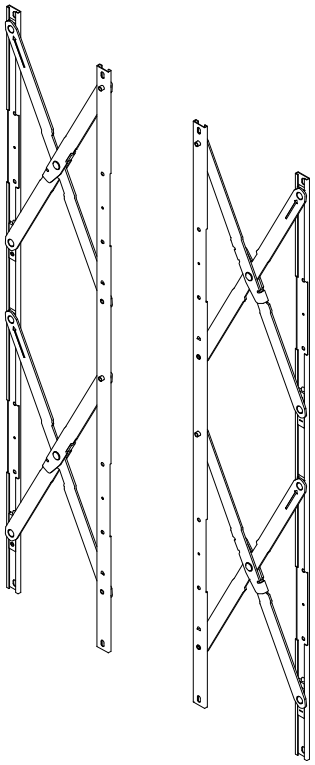
H=17mm
B=22mm
D=470mm

CW OUTWARD OPENING







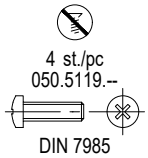


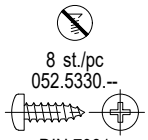
060.8119.--

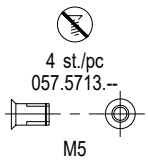
PARALLEL UITZETSCHAAR INLINE 940mm 36"
COMPAS OUVRANT PARALLEL INLINE 940mm 36"
PARALLEL OPENING FRICTION STAYS INLINE 940mm 36"
PARALLEL AUSSTELLSCHERE INLINE 940mm 36"
COMPAS APERTURA PARALELA INLINE 940mm 36"
NOZYCE OKNA ROWNOLEGLE WYSUWANEGO NA ZEWN. INLINE 940mm 36"

H=17mm
B=22mm
D=940mm

CW OUTWARD OPENING







G

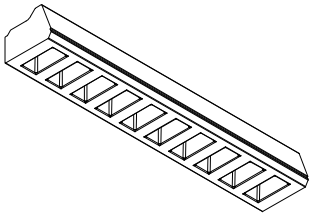
071.6570.17

SCHARNIER
CHARNIERE
HINGE
BAND
BISAGRA
PROFIL ZAWIASOWY

CW 50

145
22
27.8

071.6571.04

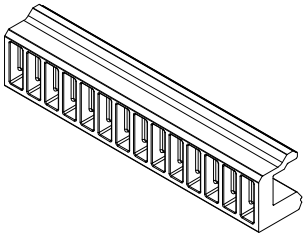


VERSTERKINGSTUK
PIECE DE RENFORCEMENT
REINFORCEMENT PIECE
VERSTAERKUNGSSTUECK
PIEZA REFUERZO
ELEMENT WZMACNIAJACY

CW 50

H=25.1 mm
B=200 mm
D=35.6 mm

071.6572.04

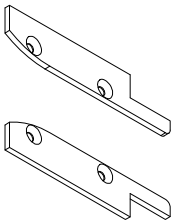


VERSTERKINGSTUK
PIECE DE RENFORCEMENT
REINFORCEMENT PIECE
VERSTAERKUNGSSTUECK
PIEZA REFUERZO
ELEMENT WZMACNIAJACY

CW 50

H=42
B=34.3
D=200

071.7010.XX



EINDSTUKKEN
PIECES FINALES
END PIECES
ENDKAPPEN
PIEZAS TERMINALES
ZASLEPKI

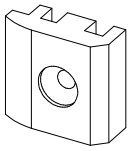
CW 50

H=20.7
L=101.7
D=3

OPLOOPBLOK KUNSTSTOF
PATIN MATIERE SYNTHETIQUE
SLOPED BLOCK SYNTHETIC
AUFLAUFSTUECK KUNSTSTOFF

Reynaers Aluminium

025.1007.07



OPLOOPBLOK
PATIN
SLOPED BLOCK
AUFLAUFSTUECK
PATIN
BLOK

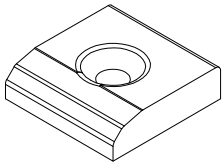
H=25
B=26
D=10.5

1 st./pc
050.5003.--
DIN 965
M4 x 12

1 st./pc
052.5316.--
DIN 7982
4.2 x 19

CW 50
CW 50-TT
CW 86
CW 86-BR

169.6826.07



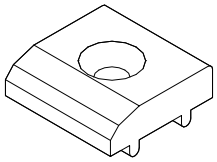
OPLOOPBLOK
PATIN
SLOPED BLOCK
AUFLAUFSTUECK
PATIN
BLOK

L=22
W=22
H=6

1 st./pc
052.5326.--
DIN 7982
4.8 x 16

CW OUTWARD OPENING

069.6732.01



OPLOOPBLOK
PATIN
SLOPED BLOCK
AUFLAUFSTUECK
PATIN
BLOK

H=10.5
B=22
D=22

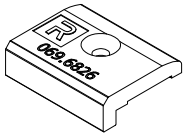
1 st./pc
052.5316.--
DIN 7982
4.2 x 19

CS 104-HI+
CS 24-SL/AP
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO

CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-HV

XS 68

069.6826.04



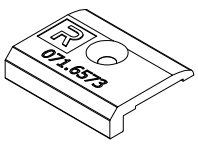
OPLOOPBLOK
PATIN
SLOPED BLOCK
AUFLAUFSTUECK
PATIN
BLOK

H=9.5
B=28
D=35

1 st./pc
052.5316.--
DIN 7982
4.2 x 19

CW 50
CW 86-BR

071.6573.04



OPLOOPBLOK
PATIN
SLOPED BLOCK
AUFLAUFSTUECK
PATIN
BLOK

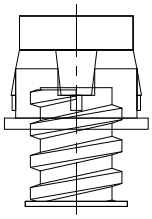
H=8
B=28
L=35

1 st./pc
052.5316.--
DIN 7982
4.2 x 19

CW 50
CW 86-BR

G

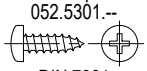
073.5215.04



AFSTANDSSTUK
PIECE D'ECARTEMENT
DISTANCE PIECE
DISTANZSTUECK
PIEZA DISTANCIADORA
ELEMENT DYSTANSOWY

H=15
Ø19

1 st./pc
052.5301.--



DIN 7981
4.8 x 38

CW 50
034.0155.XX
034.1121.XX

CW 50-HL
034.0155.XX
034.1121.XX

CW 50-SC
034.0155.XX
034.1121.XX

CW 50-VL
034.0155.XX
034.1121.XX

CW 60
034.0155.XX
034.1121.XX

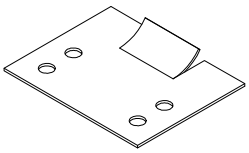
CW 60-HL
034.0155.XX
034.1121.XX

CW 60-SC
034.0155.XX
034.1121.XX

CW 65-EF
007.0200.XX
007.0201.XX
007.0202.XX
007.0255.XX
007.0256.XX
007.0257.XX
007.0258.XX
007.0282.XX
007.0283.XX
034.0155.XX
034.1121.XX

CW 65-EF/HI
007.0260.XX
007.0261.XX
007.0262.XX
007.0265.XX
007.0266.XX
007.0267.XX
007.0268.XX
007.0270.XX
007.0280.XX
007.0281.XX

173.8255.--



KLIPS
CLIP
CLIP
KLEMME
CLIP
UCHWYT

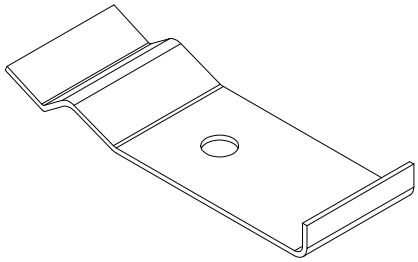
H=5mm
B=50mm
D=40mm

2 st./pc
055.5640.--

-
Ø4 x 8

CW 50

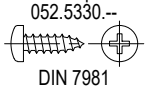
073.8930.--



KLIPS
CLIP
CLIP
KLEMME
CLIP
UCHWYT

H=6
B=56
D=20

1 st./pc
052.5330.--

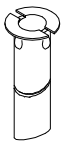


DIN 7981
4.8 x 13

CW 50
CW 50-HL
CW 50-SC
CW 50-SG
CW 50-VL
CW 60
CW 60-HL
CW 60-SC

G

021.3039.07



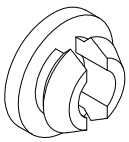
100 AFDEKKAP WATERAFVOERSLEUVEN
100 CAPUCHON DRAINAGE D'EAU
100 WEEP HOLE COVER
100 ABDECKKAPPE ENTWAESSERUNG
100 DEFLECTOR AIRE
100 MASKOWNICA OTWORU DRENAZOWEGO

B=14mm
D=35mm

CP 45PA
011.0757.XX

ALLIANCE
ALLIANCE Th (FR-CANCEL)
CW 50
CW 50-FV
CW 50-TT

021.5044.SY



100 STOP
100 BOUCHE-TROU
100 PLUG
100 VERSCHLUSSKAPPE
100 TAPON
100 ZASLEPKA

B=6.6
D=14

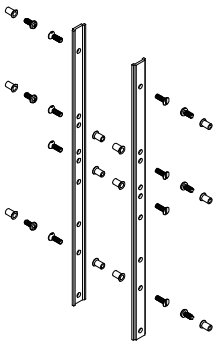
CP 45PA
011.0460.XX

CP 45Pa (GR)
011.0460.XX

CW 50-FV
034.0140.XX

CP 50
CP 50 (GR)
CP 68
CP 68Pa
CS 45PA
CW 50
CW 50-TT
HIFI
PALMA
ALLIANCE Th (FR-CANCEL)
SlimPatio 68
BOREALE

021.5842.00



TEGENPLAAT
CONTRE - PLAQUE
COUNTER PLATE
GEGENPLATTE
CONTRAPLACA
PLYTKA KONTRUJACA

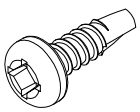
H=20mm
B=5mm
D=390mm

CS 45PA
021.5640.--
021.5650.--
021.5660.--

CW 50-FV
034.0141.XX

CW 50
CW 50-TT
HIFI

037.7465.--



100 SCHROEF ZELFBOREND 4.8x16
100 VIS AUTOPERCEUSE 4.8x16
100 SCREW SELF-DRILLING 4.8x16
100 BLECHSCHRAUBE 4.8x16
100 TORNILLO AUTOROSCANTE 4.8x16
100 WKRET SAMOWIERCACY 4.8x16

H=78mm
B=38mm

CD 50
013.5125.XX

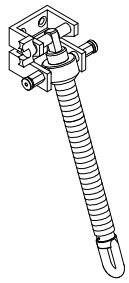
CP 50-GA
006.1032.XX

CW 50-FV
034.0140.XX

CLOTURES
CP 68
CW 50
CW 50-TT

CD 45PA
CD 68

G

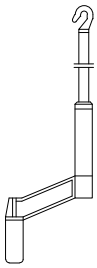


071.8445.17

SPINDEL DAKRAAM
VIS SANS FIN TABATIERE
SPINDLE ATTIC WINDOW
SPINDEL DACHFENSTER
MECANISMO MANUAL VENTANA TECHO
RECZNY WCIAGNIK OKNA DACH.

CR 120
TR 200

CW 50
CW 60



071.8446.--

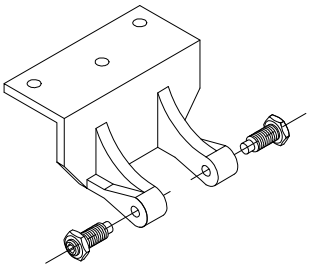
INHAAKKRUK 1500MM
MANIVELLE D'ACCROCHAGE 1500MM
CRANK 1500MM
EINHAKKURBEL 1500MM
MANUBRIO 1500MM
KORBA 1500MM

CW 50
071.8445.17

TR 200

CW 60
071.8445.17

CR 120

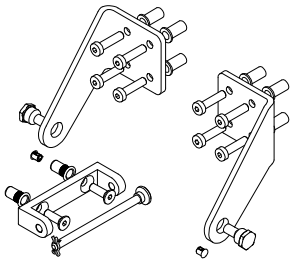


060.6826.PA

BEVESTIGINGSSET ZK6
SET DE FIXATION ZK6
BRACKET SET ZK6
BEFESTIGUNGSSATZ ZK6
CONJUNTO DE FIJACION ZK6
KONSOLA ZK6

screws are included

CR 120
CS 68
CW 50
CW 60

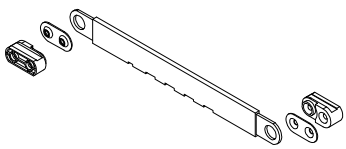


071.6565.--

BEVESTIGINGSSET
SET DE FIXATION
FIXATION SET
BEFESTIGUNGSSATZ
CONJUNTO DE FIJACION
KONSOLA

H=75mm
B=57mm
D=35mm

CR 120
CW 50
CW 60

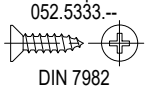


071.6551.--

SCHAAR
COMPAS
FRICTION STAYS
AUSSTELLSCHERE
COMPAS
NOZYCE

H=272MM
B=27MM
D=5MM

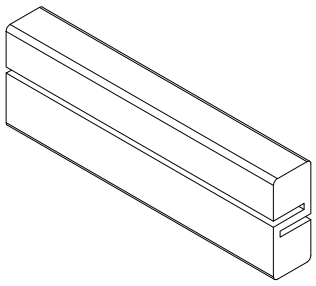
4 st./pc
052.5333.--



DIN 7982
4.8 x 25

CR 120
CW 50
CW 50-VL
CW 60
CW 60-VL

G



087.9884.07

ISOLEREND VULSTUK 32x14
PIECE DE REMPLISSAGE ISOLEE 32x14
INSULATING FILLING PIECE 32x14
ISOLIERENDES FUELLSTUECK 32x14
PIEZA DE RELLENO AISLANTE 32x14
WKLADKA IZOLACYJNA 32x14

H=32.5
B=14
D=1000

CW 50

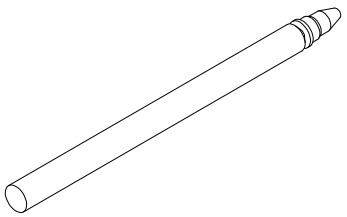
180.9625.07

ISOLATIE DICHTING
JOINT D'ISOLATION
INSULATION GASKET
ISOLATION DICHTUNG
JUNTA DE AISLAMIENTO
USZCZELKA IZOLACYJNA

H=8.6
B=40

CW 50

068.8937.--



NAGEL T-VERBINDER
CLOU JONCTION-T
DRIVE PIN T-BRACKET
STIFT T-VERBINDER
CLAVIA PARA TOPE DE UNION
SWORZEN DO LACZA T

Ø4mm
D=60mm

CW 50
001.0538.XX
001.0826.XX
005.0538.XX
005.0826.XX
008.3538.XX
008.3826.XX
034.0157.XX
034.2120.XX

CW 50-HI
008.3539.XX
008.3827.XX
034.0158.XX

CW 50-HL
034.0157.XX
034.2120.XX

CW 50-VL
034.0157.XX
034.2120.XX

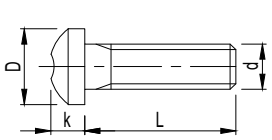
CW 60
001.0538.XX
001.0826.XX
001.1426.XX
005.0538.XX
005.0826.XX
005.1426.XX
008.3538.XX
008.3826.XX
034.0157.XX
034.2120.XX

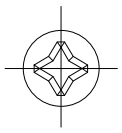
CW 60-HL
034.0157.XX
034.2120.XX

CW 65-EF
034.0157.XX
034.2120.XX

CD 50
CD 68
CF 77
CF 77-AP
CP 130
CP 130-LS
CP 155
CP 155-LS
CP 50
CP 68
CR 120
CS 104-HI+
CS 59
CS 59-HV
CS 59-RE
CS 59-SO
CS 68
CS 68-FP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-RE
CS 77-SO
CS 77-SP
CS 86-HI
CW 60-DRL
CW 86
CW 86-EF
CW 86-EF/HI
ES 50
ES 50-AP
MASTERLINE 8-Fu
TR 200

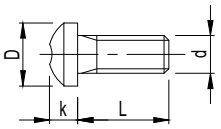
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP
CS 24-SL
CS 38-SL
CS 38-SL/AP
CS 59-AD
CS 59-AP
CS 59-CD
CS 59-SD
CS 68-AP
CS 77-AP

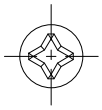




DIN 7985
ISO 7045

	d	afm. dimen. L	dimen. Masse k	D
050.5065.--	M4	5	3.1	8
050.5092.--	M4	8	3.1	8
050.5109.--	M4	12	3.1	8
050.5066.--	M4	14	2.5	6.5
050.5019.--	M4	18	3.1	8
050.5035.--	M4	60	3.1	8
050.5010.--	M5	6	3.8	10
050.5110.--	M5	8	3.8	10
050.5106.--	M5	10	3.8	9.8
050.5016.--	M5	12	3.8	10
050.5013.--	M5	16	3.8	10
050.5014.--	M5	20	3.8	10
050.5111.--	M6	8	4.6	12
050.5116.--	M6	16	4.6	12
050.5112.--	M6	25	4.6	12
050.5113.--	M6	115	4.6	10

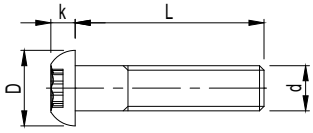


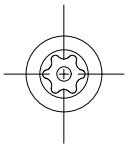


DIN 7985
ISO 7045

SCHROEF MET BORGINGSVERF
VIS AVEC COLLE DE BLOCAGE
SCREW WITH LOCK PAINT
SCHRAUBE MIT SICHERUNGSFARBE

050.5118.--	M5	6	3.8	10
050.5117.--	M5	8	3.8	10
050.5119.--	M5	12	3.8	10
050.5026.--	M5	14	3.8	10
050.5020.--	M5	16	3.8	9.5

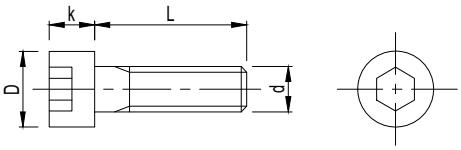




TORX + pin
ISO 14583

BEVEILIGINGSCHROEF
SÉCURITÉ VIS
SECURITY SCREW
SICHERCHEITSSCHRAUBE

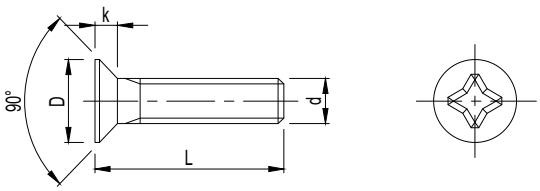
030.5039.--	M6	20	3.2	10
030.5040.--	M6	25	3.2	10
030.5041.--	M10	40	5.2	17.5



DIN 912
ISO 4762

	d	afm. dimen. L	dimen. Masse k	D
050.5025.--	M4	20	4	7
050.5071.--*	M5	12	5	8.5
050.5072.--	M5	35	5	8.5
050.5029.--	M6	16	6	10
050.5031.--	M6	20	6	10
050.5180.--	M6	25	6	10
050.5032.--	M6	30	6	10
050.5033.--	M6	35	6	10
050.5034.--	M6	40	6	10
050.5021.--	M6	45	6	10
050.5030.--	M6	50	6	10
050.5022.--	M6	60	6	10
050.5023.--	M6	65	6	10
050.5024.--	M6	70	6	10
050.5260.--	M8	20	8	13

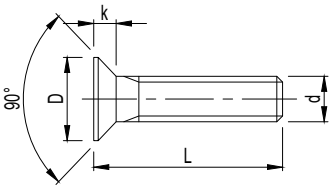
* used in assembly, sales = no

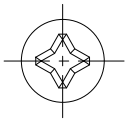


DIN 965
ISO 7046

	d	afm. dimen. L	dimen. Masse k	D
050.5002.--	M4	8	2.2	7.5
050.5170.--	M4	10	2.2	7.5
050.5003.--	M4	12	2.2	7.5
050.5018.--	M4	16	2.2	7.5
050.5077.--	M4	25	2.2	7.3
050.5078.--	M4	30	2.2	7.3
050.5132.--	M5	6	2.5	11
050.5015.--	M5	8	2.5	9.2
050.5130.--	M5	10	2.5	9.2
050.5131.--	M5	12	2.5	9.2
050.5161.--	M5	16	2.5	9.2
050.5162.--	M5	18	2.5	9.2
050.5011.--	M5	20	2.5	9.2
050.5001.--	M5	25	2.5	9.2
050.5017.--	M5	30	2.5	9.2
050.5047.--	M5	40	2.5	9.2
050.5081.--	M5	45	2.5	9.2
050.5048.--	M5	50	2.5	9.2
050.5005.--	M5	55	2.5	9.2
050.5004.--	M5	60	2.5	9.2
050.5073.--	M5	65	2.5	9.2

* used in assembly, sales = no

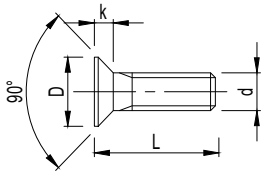


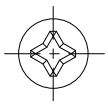


DIN 965
ISO 7046

	d	afm. dimen. L	dimen. Masse k	D
050.5082.--	M5	70	2.5	9.2
050.5074.--	M5	75	2.5	9.2
050.5083.--	M5	80	2.5	9.2
050.5086.--	M5	85	2.7	9.3
050.5084.--	M5	90	2.5	9.2
050.5008.--*	M5	95	2.5	9.2
050.5036.--	M5	100	2.5	9.2
050.5085.--	M5	110	2.5	9.2
050.5139.--	M6	8	3	11
050.5140.--	M6	10	3	11
050.5053.--	M6	12	3	11
050.5060.--	M6	16	4	11
050.5050.--	M6	25	3	11
050.5051.--	M6	30	3	11
050.5052.--	M6	35	3	11
050.5055.--	M6	45	3	11
050.5126.--	M6	60	3.3	11.3
050.5121.--	M6	65	3	11
050.5141.--	M6	70	3	11
050.5122.--	M6	75	3	11
050.5142.--	M6	80	3	9.2
050.5143.--	M6	85	3.3	11.3
050.5123.--	M6	90	3	11
050.5124.--	M6	100	3	11
050.5125.--	M6	110	3.3	11.3
050.5075.--	M8	20	4	14.5

* used in assembly, sales = no

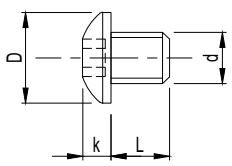


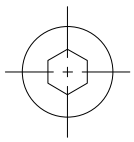


DIN 965
ISO 7046

050.5000.--	M5	10	2.5	9.2
050.5009.--	M5	16	2.5	9.2
050.5012.--	M5	12	2.5	9.2
050.5080.--	M5	40	2.5	9.2

SCHROEF MET BORGINGSVERF
VIS AVEC COLLE DE BLOCAGE
SCREW WITH LOCK PAINT
SCHRAUBE MIT SICHERUNGSFARBE



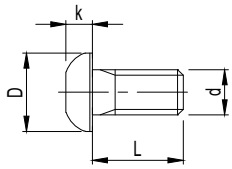
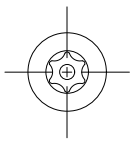
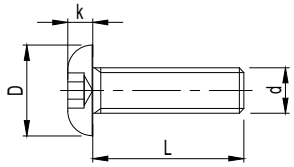
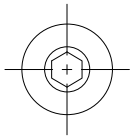
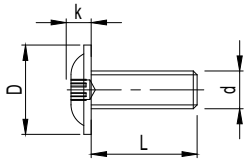
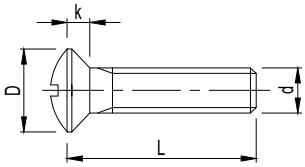
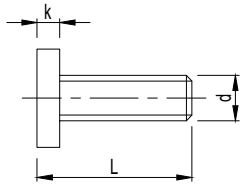
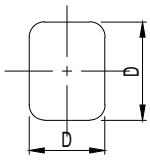
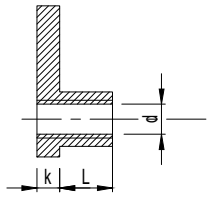
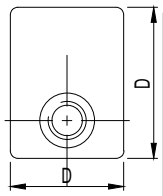
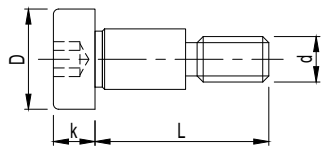
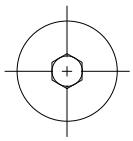
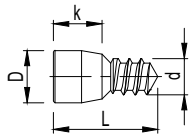
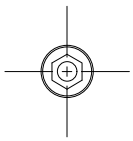


ISO 7380

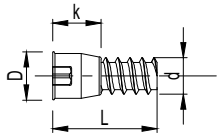
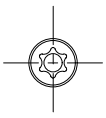
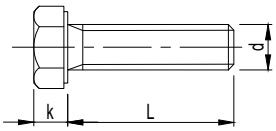
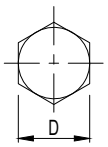
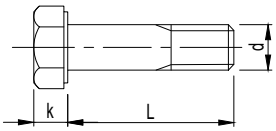
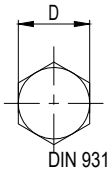
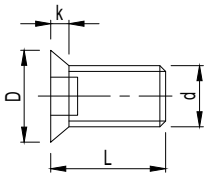
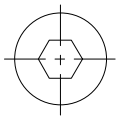
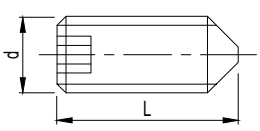
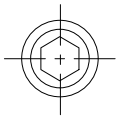
050.5229.--*	M3	6	1.7	5.7
050.5230.--	M8	10	4.4	14

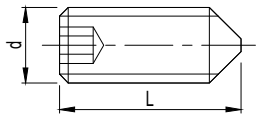
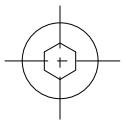
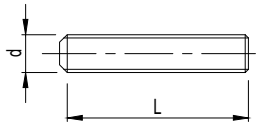
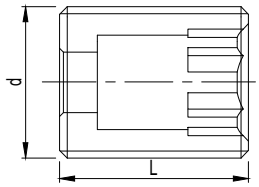
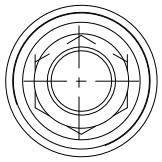
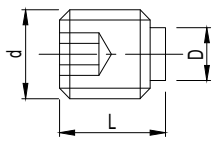
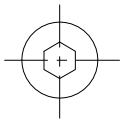
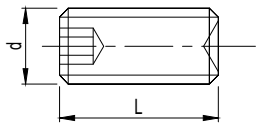
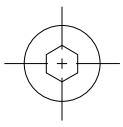
* used in assembly, sales = no

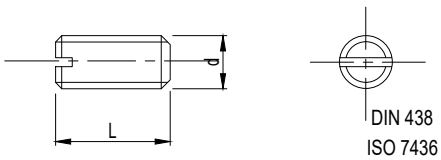
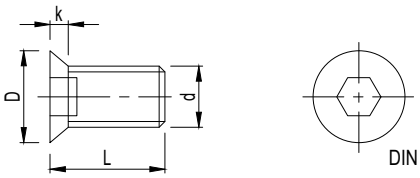
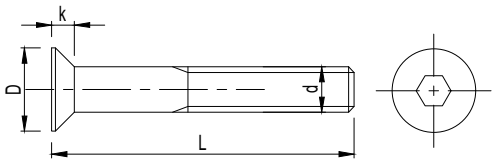
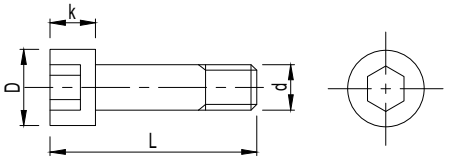
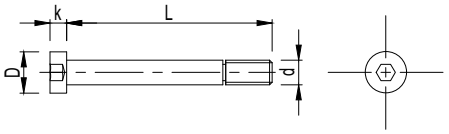
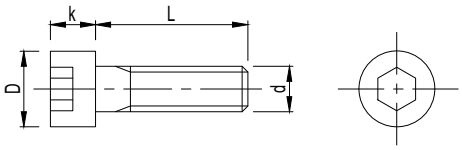
G

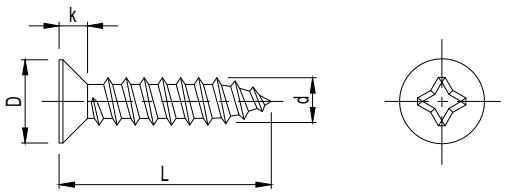
			d	afm. dimen. L	dimen. Masse k	D
	 TORX + pin ISO 7380	050.5114.--	M6			10.35
		050.5115.--	M6			10.35
		BEVEILIGINGSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERCHEITSSCHRAUBE				
	 ISO 7380	030.5042.--	M6	20	3.3	12
		030.5043.--	M6	25	3.3	12
		030.5044.--	M10	40	5.5	20
	TORX ISO 7380-f	050.5227.--	M5	14	2.7	11.8
	DIN 966 ISO 7047	050.5191.--	M6	45	3	11
	 ISO 2768-m	050.5381.--	M6	16	3	10x14
	 ISO 3506	050.5398.--	M5	7	3	15x20
	 ISO 7379	050.5196.--	M6	23	5.5	13.27
		050.5195.--	M8	33	7	16
	 ISO 2768-m	050.5153.--	4.8	13.8	6.4	6.9

G

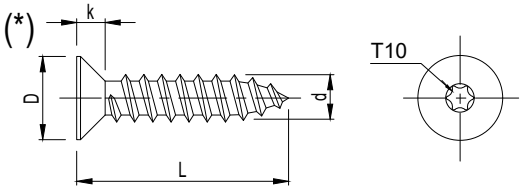
		d	afm. dimen. L	dimen. Masse k	D
  TORX	030.5047.--	4.8	13.8	6.4	6.4
  DIN 933 ISO 4017	050.5270.--	M4	6	2.8	7
	050.5271.--	M4	10	2.8	7
	050.5202.--*	M6	12	4	10
	050.5391.--	M6	20	4	10
	050.5204.--	M10	22	6.4	17
	050.5200.--	M10	40	6.4	17
	050.5203.--	M10	60	6.4	17
	050.5205.--	M10	70	6.4	17
	050.5201.--	M10	80	6.4	17
	* used in assembly, sales = no				
  DIN 931 ISO 4014	050.5388.--	M10	100	6.4	17
	050.5389.--	M10	130	6.4	17
  DIN 7991 ISO 10642	050.5042.--*	M5	10	2.8	10
	050.5040.--	M6	10	4	12
	050.5041.--	M6	12	3.3	12
	050.5093.--	M8	8	2.4	12
	050.5091.--	M8	10	2.4	12
	050.5094.--	M8	15	2.4	12
	* used in assembly, sales = no				
  DIN 913 ISO 4026	051.5257.--	M5	12		
	051.5262.--	M6	8		
	051.5263.--*	M6	12		
	051.5277.--*	M6	16		
	051.5264.--*	M6	20		
	051.5291.--	M8	8		
	051.5292.--	M8	12		
	051.5299.--*	M12	12		
	* used in assembly, sales = no				

		d	afm. dimen. L	dimen. Masse k	D
  DIN 914 ISO 4027	051.5265.--	M4	4		
	051.5273.--	M4	5		
	051.5279.--	M4	10		
	051.5272.--	M5	6		
	051.5252.--	M5	12		
	051.5274.--	M6	6		
	051.5278.--	M6	16		
	051.5270.--	M8	8		
	051.5271.--	M6	10		
	051.5269.--	M8	12		
	*used in assembly, sales = no				
 DIN 914 ISO 4027	051.5241.--	M5	25		
	051.5242.--	M5	35		
	051.5243.--	M5	50		
	151.5279.--	M4	12		
  ISO 2768-m	051.5309.17*	M20	25		
  DIN 915 ISO 4028	051.5254.--	M5	6		3.5
	051.5255.--	M5	12		3.5
	051.5253.--	M5	35		3.8
  DIN 916 ISO 4029	051.5284.--	M4	5		
	051.5266.--	M4	6		
	051.5282.--	M4	8		
	051.5281.--	M4	10		
	051.5240.--	M5	6		
	051.5285.--	M5	8		
	051.5250.--	M5	10		
	051.5280.--	M5	12		
	051.5290.--	M8	10		

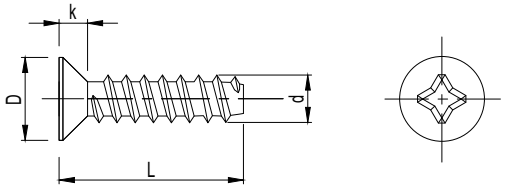
		d	afm. dimen. L	dimen. Masse k	D
 DIN 438 ISO 7436	051.5100.--	M4	6		
 DIN 7991 ISO 10642	050.5076.-- SCHROEF MET BORGINGSVERF / VIS AVEC COLLE DE BLOCAGE / SCREW WITH LOCK PAINT / SCHRAUBE MIT SICHERUNGSFARBE	M4	6	2.2	7.5
 DIN 7991	050.5054.--	M6	40	3	11
 DIN 7984	050.5043.--	M6	29	4	10
	050.5045.--	M6	54	4	10
 DIN 7984	050.5045.-- SCHROEF MET BORGINGSVERF / VIS AVEC COLLE DE BLOCAGE / SCREW WITH LOCK PAINT / SCHRAUBE MIT SICHERUNGSFARBE	M6	50	4	10
 DIN 912 ISO 4762	050.5028.--	M6	16	6	10
	050.5039.-- SCHROEF MET BORGINGSVERF / VIS AVEC COLLE DE BLOCAGE / SCREW WITH LOCK PAINT / SCHRAUBE MIT SICHERUNGSFARBE	M6	18	6	10



(*)

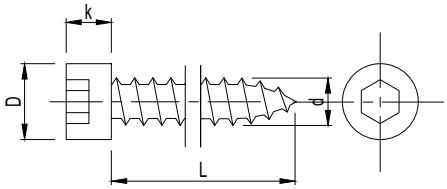


(**) Form F



DIN 7982
ISO 7050

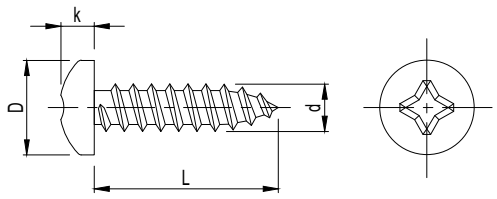
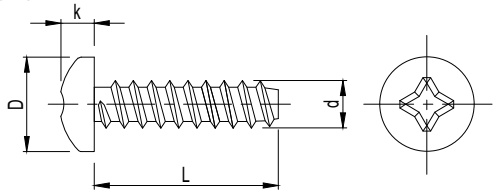
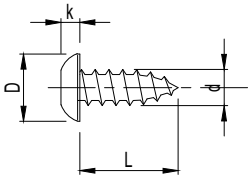
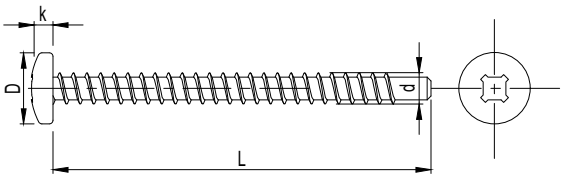
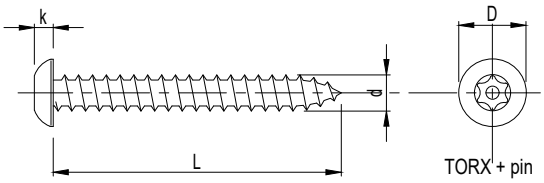
	d	afm. dimen. L	dimen. Masse k	D
050.5108.--(*)	3	6	2.3	5
052.5375.--(**)	3.5	6.5	2.1	6.8
052.5308.--(*)	3.5	13	2.1	6.8
052.5355.--	3.5	19	2.1	6.8
052.5309.--	3.9	19	2.3	7.5
052.5201.--	3.9	25	2.3	7.5
052.5345.--	4.2	9.5	2.5	8.1
052.5312.--	4.2	13	2.5	8.1
052.5311.--	4.2	16	2.5	8.1
052.5316.--	4.2	19	2.5	8.1
052.5327.--	4.2	25	2.5	8.1
052.5313.--	4.2	32	2.5	8.1
052.5318.--	4.2	38	2.5	8.1
052.5329.--	4.2	50	2.5	8.1
052.5328.--	4.2	60	2.5	8.1
052.5322.--	4.2	70	2.5	8.1
052.5332.--	4.8	13	3	9.5
052.5331.--	4.8	19	3	9.5
052.5333.--	4.8	25	3	9.5
052.5336.--	4.8	32	3	9.5
052.5337.--	4.8	38	3	9.5
052.5335.--	4.8	45	3	9.5
052.5338.--	4.8	50	3	9.5
052.5334.--	4.8	70	3	9.5
052.5339.--	5.5	13	3	9.5
052.5346.--	5.5	19	3.4	10.8
052.5380.--	6.3	13	3.8	12.4
052.5381.--	6.3	38	3.8	12.4

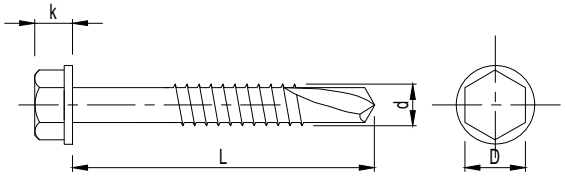
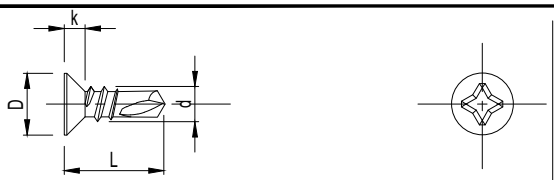
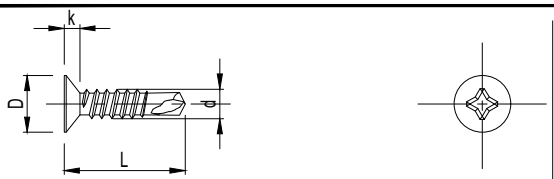
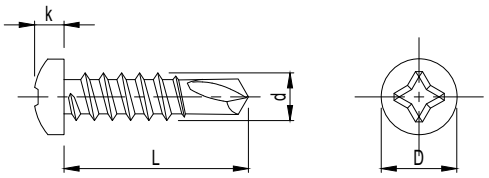
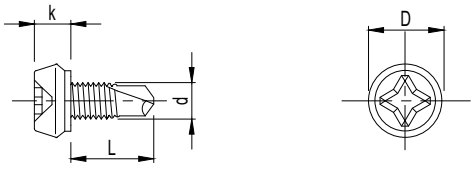
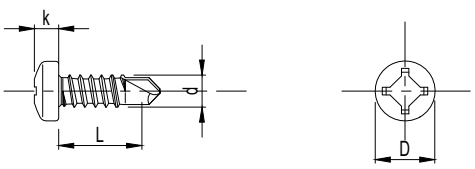


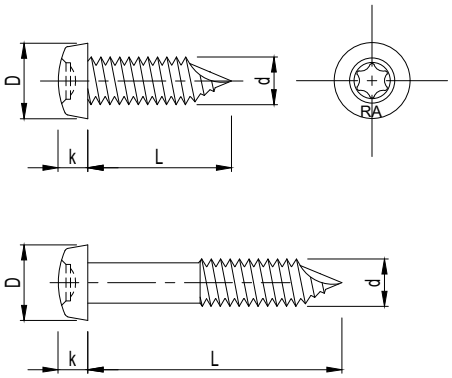
DIN 912
ISO 4762

052.5372.--	6.3	13	6	10
052.5371.--	6.3	38	6	10
052.5373.--	6.3	70	6	10

G

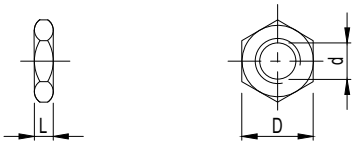
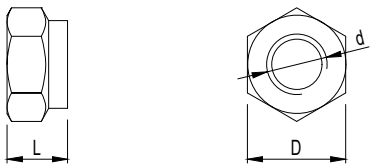
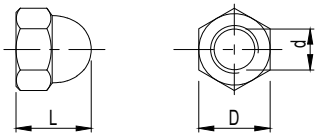
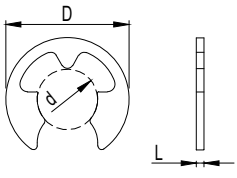
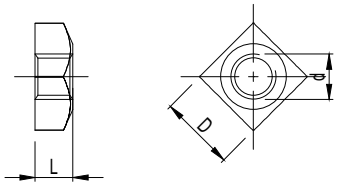
		d	afm. dimen. L	dimen. Masse k	D
	052.5320.--	3.5	9.5	2.6	6.9
	052.5200.--	3.9	19	2.8	7.5
	052.5360.--	4.2	9.5	3.05	8.2
	052.5317.--	4.2	13	3.05	8.2
	052.5310.--	4.2	16	3.05	8.2
	052.5347.--	4.2	19	3.05	6.2
	052.5315.--	4.2	25	3.05	8.2
	052.5250.--(**)	4.2	25	3.05	8.2
(**) Form F	052.5321.--	4.2	32	3.05	8.2
	052.5348.--	4.2	38	3.05	8.2
	052.5314.--	4.2	50	3.05	8.2
	052.5330.--	4.8	13	3.55	9.5
	052.5300.--	4.8	19	3.55	9.5
	052.5349.--	4.8	32	3.55	9.5
	052.5301.--	4.8	38	3.55	9.5
	052.5302.--	4.8	50	3.55	9.5
	052.5323.--	4.8	60	3.55	9.5
	052.5306.--	4.8	70	3.55	9.5
	052.5305.--	4.8	80	3.55	9.5
	052.5304.--	4.8	90	3.55	9.5
	052.5344.--	5.5	13	3.95	10.8
	052.5343.--	5.5	25	3.95	10.8
	052.5342.--	5.5	32	3.95	10.8
	052.5341.--	5.5	38	3.95	10.8
DIN 7981 ISO 7049	052.5340.--	5.5	45	3.95	10.8
	052.5350.--	6.3	25	4.55	12.5
	052.5351.--	6.3	38	4.55	12.5
 TORX DIN 7981 ISO 3506	052.6330.--	4.8	13	3.1	9.5
	052.5307.--	3.5	19	4.5	6.9
	052.5325.--	4.2	50	3	9.4
 TORX + pin ISO 3506-1	052.5400.-- BEVEILIGINGSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERCHEITSSCHRAUBE	4.8	38	2.5	8.9

		d	afm. dimen. L	dimen. Masse k	D
 BIMETAL DRILL IN STEEL DIN 7168m	053.5199.--	5.5	70	5	8
	053.5200.--	5.5	90	5	8
	053.5201.--	5.5	110	5	8
	053.5202.--	5.5	130	5	8
 DIN 7504N	053.5403.--	4.2	13	2.5	8.1
 DIN 7504P	053.5409.--	3.9	16	2.1	7.5
	053.5406.--	4.2	16	3.1	8.1
	053.5401.--	4.2	25	2.5	8.1
 DIN 7504N	053.5412.--	4.2	19	2.5	8.1
	053.5404.--	4.2	19	2.5	10
	053.5402.--	4.2	38	2.5	8.1
	0FR.9881.--	4.8	25	3.55	9.5
	053.5411.--	4.8	32	3.55	9.5
	053.5413.--	4.8	50	3.55	9.5
	053.5414.--	4.8	60	3.7	9.5
	053.5415.--	4.8	70	3.7	9.5
	021.5169.--	M5	11	4.8	9.7
	024.5521.--	M5	14	4.8	9.7
	053.5405.--	4.2	13	3.2	7.9

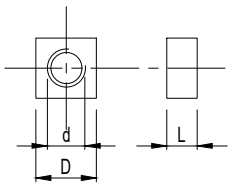
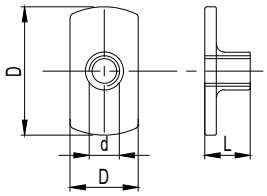
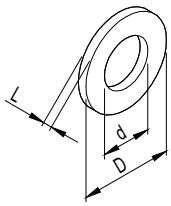
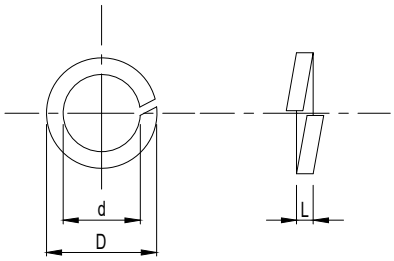
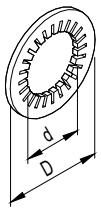
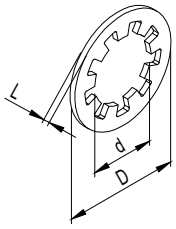
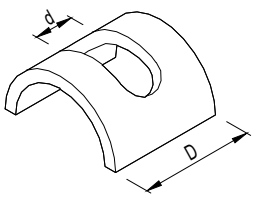


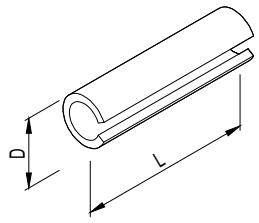
TORX
ISO 2768-f

	d	afm. dimen. L	dimen. Masse k	D
053.5460.--	6.3	19	3.95	10
053.5461.--	6.3	22	3.95	10
053.5462.--	6.3	25	3.95	10
053.5463.--	6.3	28	3.95	10
053.5464.--	6.3	31	3.95	10
053.5465.--	6.3	34	3.95	10
053.5466.--	6.3	37	3.95	10
053.5467.--	6.3	40	3.95	10
053.5468.--	6.3	43	3.95	10
053.5469.--	6.3	46	3.95	10
053.5470.--	6.3	49	3.95	10
053.5471.--	6.3	52	3.95	10
053.5472.--	6.3	55	3.95	10
053.5473.--	6.3	58	3.95	10
053.5474.--	6.3	61	3.95	10
053.5475.--	6.3	64	3.95	10
053.5476.--	6.3	67	3.95	10
053.5477.--	6.3	70	3.95	10
053.5478.--	6.3	73	3.95	10
053.5479.--	6.3	76	3.95	10
053.5481.--	6.3	79	3.95	10
053.5482.--	6.3	82	3.95	10
053.5483.--	6.3	85	3.95	10
053.5484.--	6.3	88	3.95	10
053.5485.--	6.3	91	3.95	10
053.5480.--	6.3	109	3.95	10

		d	afm. dimen. L	dimen. Masse k	D
DIN 934 ISO 4032	050.5400.-- 050.5396.-- 050.5395.-- 050.5392.-- 079.5398.--* * UK market	M4 M5 M6 M8 M10	3.2 4 5 5.5 8		7 8 10 13 17
 DIN 439 ISO 4035	050.5401.--	M10	5		17
 DIN 985 ISO 10511	050.5407.-- 050.5394.-- 050.5403.-- 050.5393.-- ZESKANTMOER ZELFBORGEND ECROU HEXAGONALE AUTOBLOQUANTE HEXAGON NUT SELF-LOCKING SECHSKANTMUTTER SELBSTSICHEREND	M6 M8 M10 M12	6 8 10 12		10 13 17 19
 DIN 1587	067.5200.-- 067.5201.-- 067.5202.--	M6 M10 M12	12 18 22		10 17 19
 DIN 6799	054.5451.--* * used in assembly, sales = no	8	1		16.3
	030.5711.--	M6	5		10.1

G

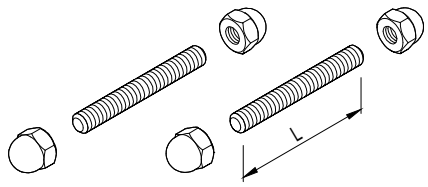
		d	afm. dimen. L	dimen. Masse k	D
 DIN 562	050.5406.-- 050.5404.--	M4 M5	2.2 4		7 8
 ISO 3506	050.5387.-- 050.5386.--	M5 M4	7.5 6		11x19 9x17
 DIN 125A ISO 7089	054.5455.-- 054.5458.-- 067.5205.-- 067.5206.--	4.3 8.4 10.5 13	0.8 1.6 2 2.5		9 16 20 24
 DIN 127B	054.5450.--	10.2	2.2		18.1
 DIN 6797 J	072.5208.--	6.4			11
 DIN 6797 J	079.5206.--	10.5	0.9		18
	072.5209.--	5			14



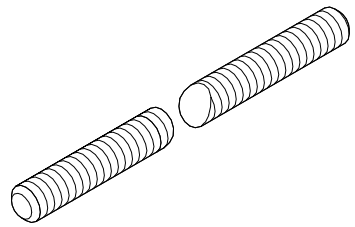
DIN 1481
ISO 8752

	d	afm. dimen. L	dimen. Masse k	D
058.5950.--*	3	24		
058.5943.--	3	40		
065.6507.--	3.5	6		
073.6517.--	3.5	12		
058.5945.--	4.3	50		
058.5944.--	4.4	26		
058.5941.--	5	20		

* used in assembly, sales = no



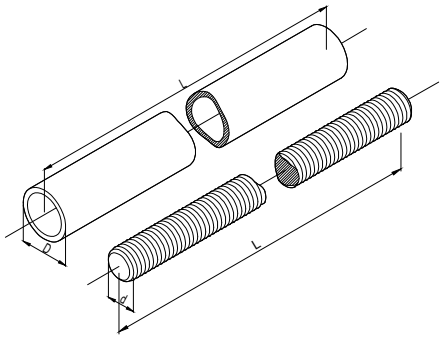
079.5212.--	M6	75		



DIN 975

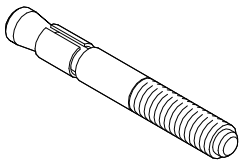
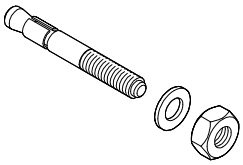
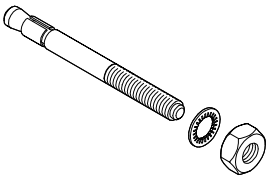
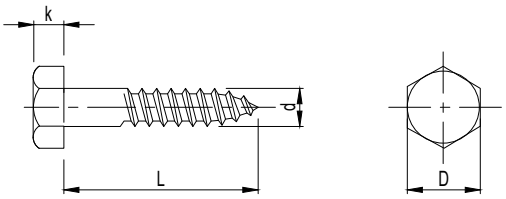
079.5211.--	M6	75		
050.5210.--	M6	1000		
050.5214.--	M8	2000		
050.5221.--*	M10	45		
050.5220.--	M10	1000		
050.5215.--	M10	2000		
079.5222.--	M10	3000		
050.5216.--	M12	3000		

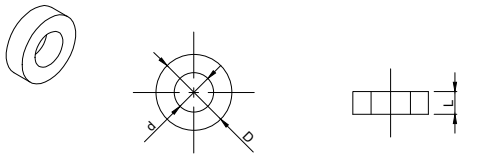
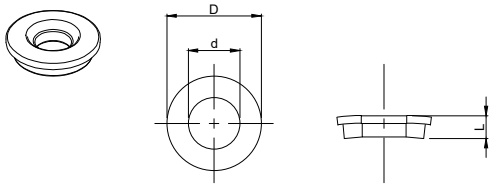
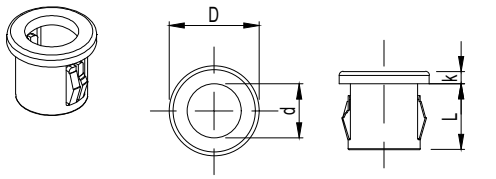
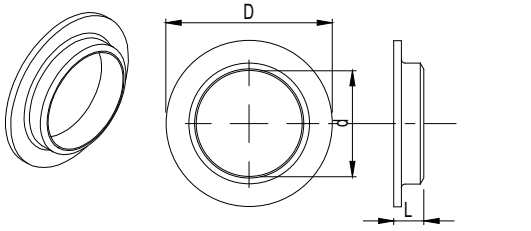
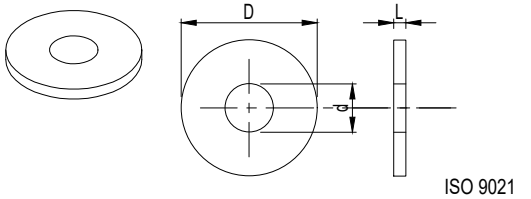
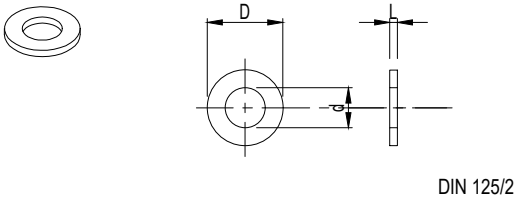
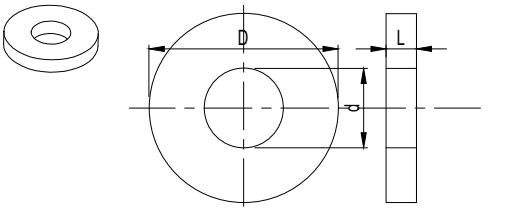
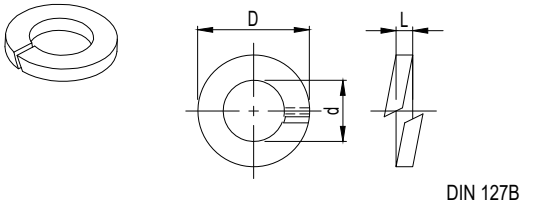
* used in assembly, sales = no

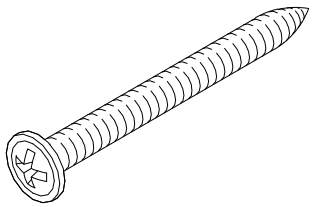
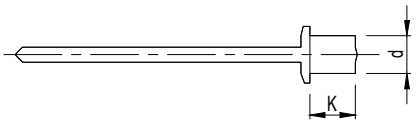
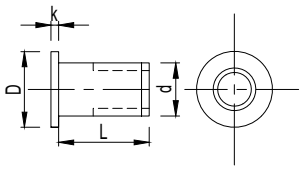
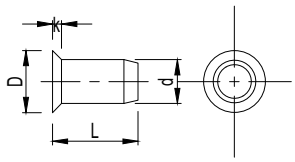
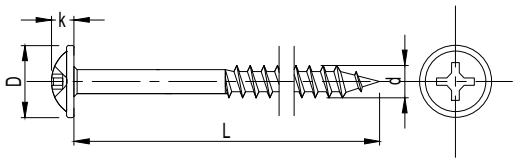
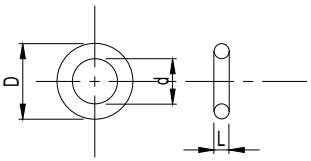
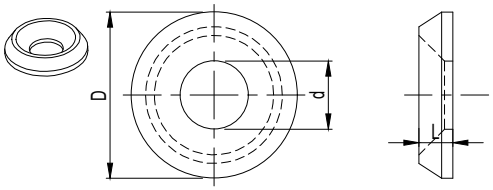


071.6350.XX	M10	3000		15.9

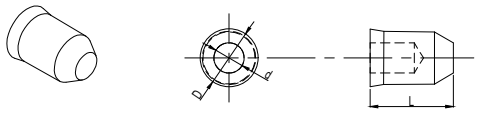
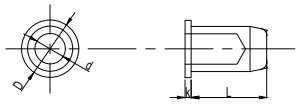
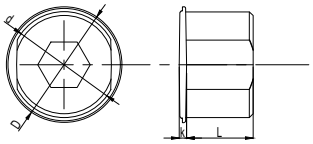
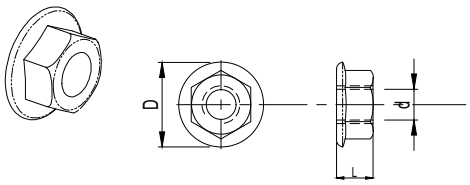
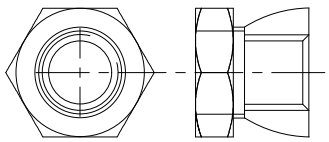
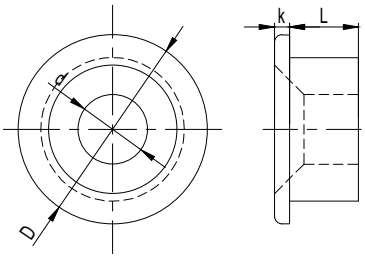
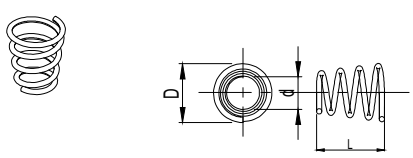
G

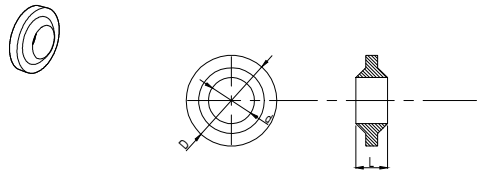
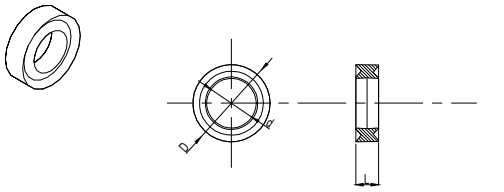
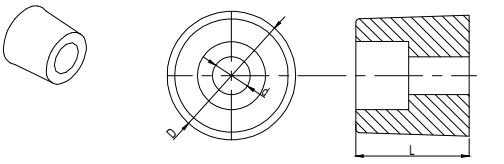
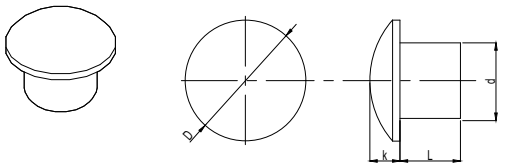
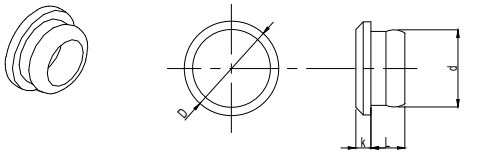
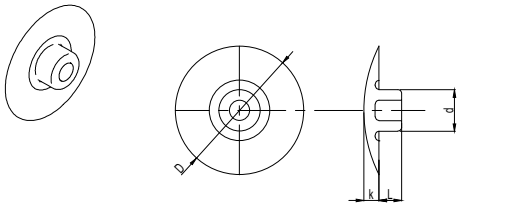
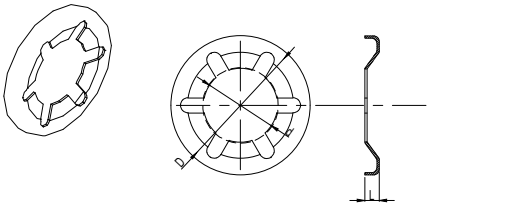
		d	afm. dimen. L	dimen. Masse k	D
	054.5475.--	10	80		
	054.5480.--	10	95		
	054.5469.--	12	110		
 DIN 571	0FR.9884.-- 0FR.9883.--	6 6	80 90	4 4	10 10

		d	afm. dimen. L	dimen. Masse k	D
	054.5452.01	5.2	3		10
	054.5440.-- 073.5204.--	6.8 6.6	3 4		12.5 19
	073.5222.04	7.1	8.7	1.6	11.9
	073.5221.07	14	4		22
 ISO 9021	067.5216.--	6.4	1.4		18
 DIN 125/2	067.5203.--	5.3	1		10
 DIN 7349	054.5465.--	10.5	4		25
 DIN 127B	054.5464.--	8.1	2		14.8

		d	afm. dimen. L	dimen. Masse k	D
	052.5303.--	5	50		
	055.5631.-- 055.5620.-- 055.5640.-- 055.5650.-- 055.5660.--	3 4 4 4 4		8 6 8 10 15	
 ISO 2760-m	057.5710.-- ALU. 057.5717.-- INOX 057.5720.-- ALU.	M5 M5 M6	12 12 14		
	057.5709.-- ALU. 057.5711.-- ALU. 057.5713.-- (200 pc) INOX 057.5714.-- INOX 057.5721.-- ALU. 057.5722.-- 057.5715.--	M4 M5 M5 M5 M6 M6 M5	11.5 12 13.7 11.6 15 15.5 11.6		
	052.5319.--	4.2	65	2.95	9.5
	054.5454.04 073.8206.04	5 6	1.5 2		8 10
	073.5209.--	9	4.5		22

G

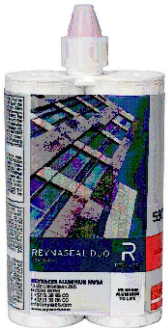
		d	afm. dimen. L	dimen. Masse k	D
	068.5932.--	4	11		7
	068.5933.--	4	16		7
	068.5934.00	5	10.8	0.8	7.6
	062.8188.--	15.3	8.8	1	7.6
	024.5042.--	M5	4.85		11.2
	030.5710.--	M10	15		17
	073.5211.--* AFSTANDSBUS PIECE DE DISTANCE DISTANCE BUSH DISTANZBUCHSE * used with a screw 050.5075.-- (x1)	9.2	2	9.1	25
	054.5500.--	4.3	9		7.77

		d	afm. dimen. L	dimen. Masse k	D
 DIN 16901	073.8201.01	6.1	4.2		12
 DIN 16901	073.8202.01 BORGING 6.55/10 RONDELLE DE BLOCAGE 6.55/10 SAFETY RING 6.55/10 SICHERINGSRING 6.55/10	6.55	3		10.2
	062.6744.04	5	15		16
	065.6550.01 STOP 10MM BOUCHE-TROU 10MM VERSCHLUSSKAPPE 10MM PLUG 10MM	10	8	4	16
	065.6555.04 STOP 10MM BOUCHE-TROU 10MM VERSCHLUSSKAPPE 10MM PLUG 10MM	10	4.5	2	12.3
	071.5440.SY AFDEKKAP Ø17MM CAPUCHON Ø17MM FACE CAP Ø17MM ABDECKKAPPE Ø17MM	5.5	3	2	17
	073.5207.-- 073.5208.-- SNELBORGER ZONDER KAP RONDELLE ELAST. DENTS ESPACEES TOOTHED LOCK WASHER ZAHNSCHEIBEN INNENGEZAHNT	10 8	1.9 1.47		18.4 15.4

084.9108.04

VULKANISEERLIJM DICHTINGEN 310ML
COLLE VULCANISANTE JOINTS 310ML
VULCANISING GLUE GASKETS 310ML
VULKANISIERKLEBER DICHTUNGEN 310ML
VULCANIZADOR JUNTAS 310ML
KLEJ WULKANIZUJACY DO USZCZELEK 310ML

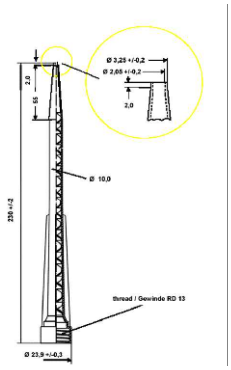
310ML



084.9080.--

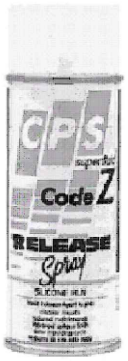
REYNASEAL DUO
REYNASEAL DUO
REYNASEAL DUO
REYNASEAL DUO
REYNASEAL DUO
REYNASEAL DUO

550GR



084.9086.--

MENGTUIT VOOR REYNASEAL DUO
PIECE DE MELANGE POUR REYNASEAL DUO
MIXING NOZZLE FOR REYNASEAL DUO
MISCHSTUECK FUER REYNASEAL DUO
PIEZA DE MEZCLADO PARA REYNASEAL DUO
DYSZA MIESZAJACA DO REYNASEAL DUO



086.9551.--

SILICONE-SPRAY 400ML
AEROSOL-SILICONE 400ML
SILICONE SPRAY 400ML
SILICONENSPRAY 400ML
SPRAY SILICONA 400ML
SPRAY SILIKONOWY 400ML

400ML

086.9206.SY

REYNASEAL & PROTECT
REYNASEAL & PROTECT
REYNASEAL & PROTECT
REYNASEAL & PROTECT
REYNASEAL & PROTECT
REYNASEAL & PROTECT

MASTERLINE 8-Fu

G

084.9063.XX

SILICONE
SILICONE
SILICONE
SILICONEN
SILICONA
SILIKON

375GR
.00= TRANSPARANT/.04= BLACK/.07= GREY
.51= WHITE/.53= BROWN

086.9150.--

ALU GOM VOOR VLEKKEN
GOMME POUR GRIFFES ET TACHES
RUBBING BLOCK
REINIGUNGSPAD FšR ELOXAL-FLACHEN
BORRADOR
BLOK CIERNY

H=50
B=82
D=20

084.9104.04

AFDICHTINGSPASTA
PATE MASTIC
SEALING PASTE
ABDICHTUNGSPASTE
SELLADO DE PASTA
PASTA USZCZELNIAJACA

CW 50

086.9231.--

REYNAERS SAFETY CLEAN
REYNAERS SAFETY CLEAN
REYNAERS SAFETY CLEAN
REYNAERS SAFETY CLEAN
REYNAERS SAFETY CLEAN
REYNAERS SAFETY CLEAN

2L

086.9232.--

REYNAERS PRIMER SEAL & BOND SPECIAL
REYNAERS PRIMER SEAL & BOND SPECIAL
REYNAERS PRIMER SEAL & BOND SPECIAL 200ML
REYNAERS PRIMER SEAL & BOND SPECIAL
REYNAERS PRIMER SEAL & BOND SPECIAL
REYNAERS PRIMER SEAL & BOND SPECIAL

G

086.9160.--

INPAKPAPIER
PAPIER CREPONE
PACKAGING PAPER
VERPACKUNGSPAPIER
PAPEL DE EMBALAR
PAPIER PAKOWY

B=100MM
L=50M

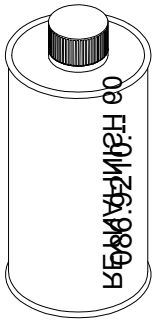
086.9211.--

REYNOVATOR
REYNOVATOR
REYNOVATOR
REYNOVATOR
REYNOVATOR
REYNOVATOR

500ML

086.9600.XX

REYNASTICK
REYNASTICK
REYNASTICK
REYNASTICK
REYNASTICK
REYNASTICK



086.9210.--

REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)

1L

086.9212.--

REYNAWASH COLOR (VOC=10 %)
REYNAWASH COLOR (VOC=10 %)
REYNAWASH COLOR (VOC=10 %)
REYNAWASH COLOR (VOC=10 %)
REYNAWASH COLOR (VOC=10 %)
REYNAWASH COLOR (VOC=10 %)

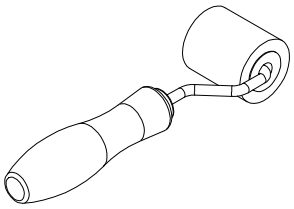
500ML

086.9213.--

REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO

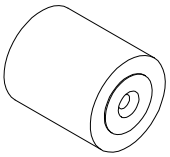
500ML

095.P200.--

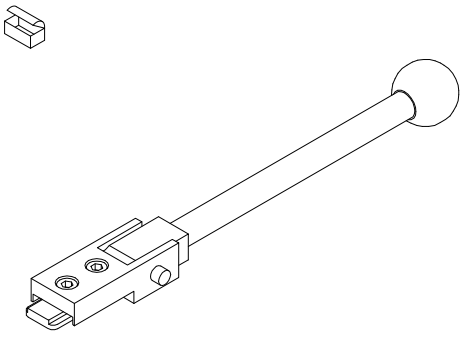


SCHUIMROL MET HANDVAT
ROULEAU EN MOUSSE AVEC POIGNÉE
FOAM ROLL WITH HANDLE
SCHAUMSTOFFROLLE MIT HANDGRIFF
ROLLO DE ESPUMA CON MANGO
ROLKA PIANKOWA Z UCHWYTEM

095.P201.--



SCHUIMROL
ROULEAU EN MOUSSE
FOAM ROLL
SCHAUMROLLE
RODILLO DE ESPUMA
ROLKA PIANKOWA



090.0113.00

KANAALOPENER
GRUGEOIR MAN. DEGAGEMENT TRINGLE
CHANNEL OPENER
KANALOEFFNER
UTIL ABRIDOR DE RANURAS
NARZEDZIE DO SCINANIA KONCOWEK ROWKA OBWIEDNIOWEGO

CW 50
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 50-HI
034.0158.XX

CW 50-HL
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0163.XX

CW 50-VL
034.0119.XX
034.0157.XX
034.2120.XX

CW 60
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

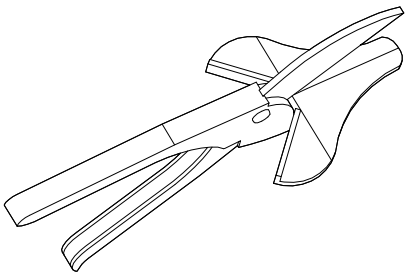
CW 60-HL
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 60-SC
034.0156.XX
034.1113.XX
034.1122.XX

CW 65-EF
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CS 38-SL
CS 38-SL/AP
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SO

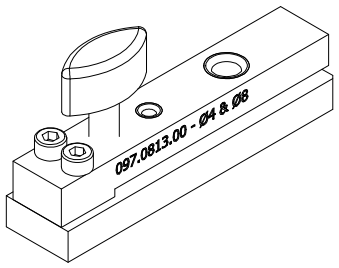
CS 68
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-RE
CS 77-SO
CS 86-HI
CSW 86-HI
ES 45PA
ES 50
ES 50-AP



090.0121.00

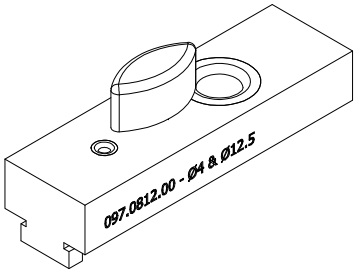
VERSTEKSCHAAR DICHTING
CISEAUX A ONGLET JOINT
SHEARS GASKET
GEHRUNGSSCHERE DICHTUNG
NA
NOZYCE DO USZCZELEK

097.0813.00



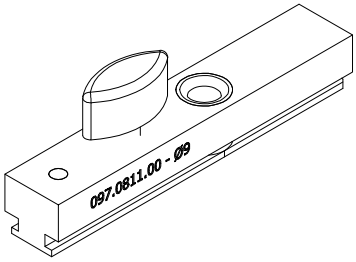
BOORMAL SCHROEFHOEK
CALIBRE DE PERCAGE EQUERRE A VISSER
BORING JIG SCREW CORNER CLEAT
BOHRLEHRE SCHRAUBECKWINKEL
UTIL ESCUADRA DE ATORNILLAR
SZABLON DO POLACZEN NAROZNYCH SKRECANYCH

097.0812.00



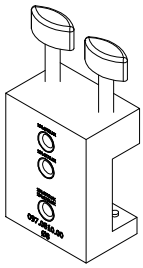
BOORMAL ONTWATERING
CALIBRE DE PERCAGE DRAINAGE
BORING JIG DRAINAGE
BOHRLEHRE ENTWAESSERUNG
UTIL PARA DRENAJE
SZABLON DO DRENAZY

097.0811.00



BOORMAL SCHROEFHOEK
CALIBRE DE PERCAGE EQUERRE A VISSER
BORING JIG SCREW CORNER CLEAT
BOHRLEHRE SCHRAUBECKWINKEL
UTIL ESCUADRA DE ATORNILLAR
SZABLON DO POLACZEN NAROZNYCH SKRECANYCH

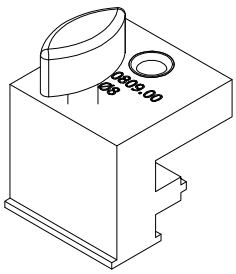
097.0810.00



BOORMAL ONTWATERING
CALIBRE DE PERCAGE DRAINAGE
BORING JIG DRAINAGE
BOHRLEHRE ENTWAESSERUNG
UTIL PARA DRENAJE
SZABLON DO DRENAZY

CW 50
134.0775.XX
134.0785.XX

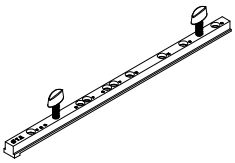
097.0809.00



BOORMAL ONTWATERING
CALIBRE DE PERCAGE DRAINAGE
BORING JIG DRAINAGE
BOHRLEHRE ENTWAESSERUNG
UTIL PARA DRENAJE
SZABLON DO DRENAZY

CW 50
134.0770.XX
134.0780.XX

097.0558.00

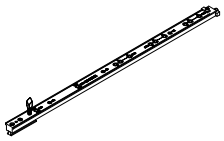


BOORMAL SCHAAR DRAAIRAAM
CALIBRE DE PERCAGE COMPAS FENETRE OUVRANTE
BORING JIG FRICTION STAYS TURNING WINDOW
BOHRLEHRE SCHERE DREHFLUEGEL
UTIL COMPAS VENTANA
SZABLON WIERTARSKI DO NOZYC OKIENNYCH

HIFI
012.1206.XX

CW 50
CW 50-FV
CW 50-TT
CW 86

097.0560.00

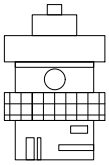


BOORMAL
CALIBRE DE PERCAGE
BORING JIG
BOHRLEHRE
PLANTILLA
SZABLON DO POL.

CW 50-FV
034.0140.XX

CW 50
CW 50-TT

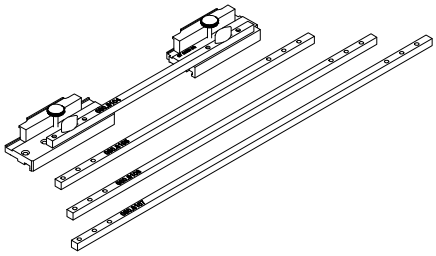
197.E900.00



PONSUNIT ONTWATERING
UNITE D'ETAMPER DRAINAGE
PUNCH UNIT DRAINAGE
STANZEINHEIT ENTWAESSERUNG
PUNZON DRENAJE
WYKROJNIK DO DRENAZY

EF 7

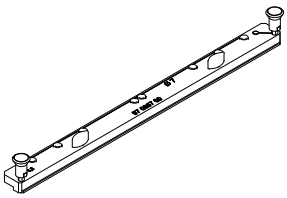
097.0856.00



BOORMAL MONTAGE TOEBEHOREN
GABARIT DE PERCAGE MONTAGE ACCESSOIRES
BORING JIG ASSEMBLING ACCESSORIES
BOHRLEHRE MONTAGE ZUEBEHOER
PLANTILLA MONTAJE ACCESORIOS
SZABLON WIERTARSKI DO MONTAZU AKCESORIOW

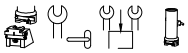
CW OUTWARD OPENING

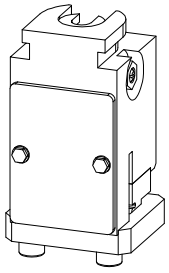
097.0857.00



BOORMAL MONTAGE TOEBEHOREN
GABARIT DE PERCAGE MONTAGE ACCESSOIRES
BORING JIG ASSEMBLING ACCESSORIES
BOHRLEHRE MONTAGE ZUEBEHOER
PLANTILLA MONTAJE ACCESORIOS
SZABLON WIERTARSKI DO MONTAZU AKCESORIOW

CW OUTWARD OPENING





097.S100.00

PONSUNIT ONTWATERING
UNITE D'ETAMPER DRAINAGE
PUNCH UNIT DRAINAGE
STANZEINHEIT ENTWAESSERUNG
PUNZON DRENAJE
WYKROJNIK DO DRENAZY

CW 50
007.0125.XX

CW 86
007.0125.XX

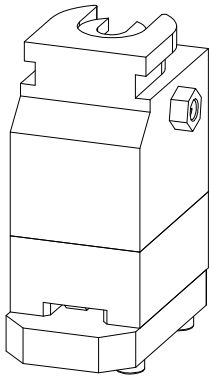
CW 86-EF
CW 50-SC
028.3341.XX

012.5354.XX

028.3341.XX

CW 60
007.0125.XX

CW 86-EF/HI
007.0126.XX



097.R400.00

PONSUNIT KRUK
UNTE D'ETAMPER POIGNEE
PUNCH UNIT HANDLE
STANZEINHEIT HANDGRIFF
PUNZON CREMONA
WYKROJNIK DO KLAMKA

AV 40
001.0075.17

CS 38-SL
001.0075.17

CS 59PA
001.0075.17

001.0075.17

CW 50-VL
CR 120
001.0075.17

CS 38-SL/AP
001.0075.17

CS 77-AP
001.0075.17

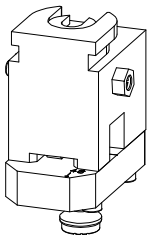
CS 68
001.0075.17

CS 77-BP
001.0075.17

CS 104-HI+
001.0075.17

CS 59
001.0075.17

CS 77



097.R500.00

PONSUNIT KRUK
UNTE D'ETAMPER POIGNEE
PUNCH UNIT HANDLE
STANZEINHEIT HANDGRIFF
PUNZON CREMONA
WYKROJNIK DO KLAMKA

AV 40
001.0075.17

CS 38-SL
001.0075.17

CS 59PA
001.0075.17

001.0075.17

CF 77
CF 77-AP
CW 50-VL

CS 38-SL/AP
001.0075.17

CS 77-AP
001.0075.17

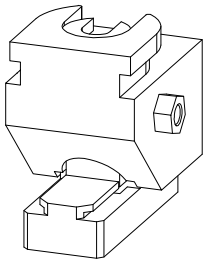
CS 68
001.0075.17

CS 77-BP
001.0075.17

CS 104-HI+
001.0075.17

CS 59
001.0075.17

CS 77



097.Q500.00

PONSUNIT KANAALOPENING
UNITE D'ETAMPER DECOUPE DU CANAL DE LA TRINGLE
PUNCH UNIT CUT-AWAY LINKBAR CHANNEL
STANZEINHEIT AUSNEHMUNG DES SCHUBSTANGEKANALS
PUNZON ABRIDORE DE RANURAS
WRYKROJNIK DO ROWKA OBWIEDNIOWEGO

CR 120
007.0778.XX

208.1112.XX

001.0121.XX

208.1212.XX

CS 38-SL/AP
002.1751.XX

001.0192.XX

007.1768.XX

2F8.0292.XX

001.0202.XX

CS 104-HI+
208.0192.XX

2F8.1212.XX

CS 59
001.0102.XX

001.0221.XX

001.0251.XX

208.0292.XX

CS 38-SL
002.1751.XX

001.0112.XX

001.0252.XX

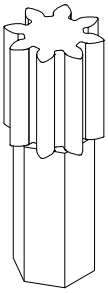
G

097.0721.00

BOOR
FORET
DRILLING HEAD
BOHRER
CABEZAL DE TALADRO
WIERTLO DWUSTOPNIOWE

CW 50
034.0551.XX

CW 50-VL



097.0754.00

BITS
BITS
BITS
BITS
BROCAS
WIERTLA

CS 59PA

CW 60
068.7563.00

CW 60-HL
068.7563.00

CW 60-SC
068.7563.00

CS 77-SP

CF 77
CF 77-AP
CP 130
CP 130-LS
CP 155
CP 155-LS
CS 104-HI+
CW 50
CW 50-HL
CW 50-SC
CW 65-EF
ES 45PA
ES 50
ES 50-AP

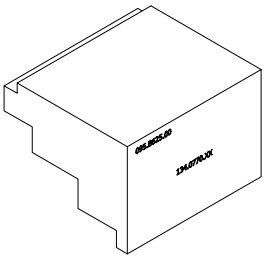
095.H900.00

MANUEEL PISTOOL
PISTOLET MANUEL
MANUAL GUN
MANUELLE SPRITZE
PISTOLA MANUAL
PISTOLET DO TUB RECZNY

CW 50
084.9104.04

CW 50-VL
084.9104.04

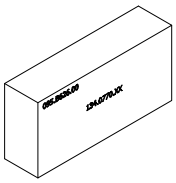
CS 77-FP



095.B625.00

KLEMBLOKKEN ZAAGMACHINE 095.B600.00
BLOCS DE SERRAGE SCIE CIRCULAIRE 095.B600.00
CLAMP BLOCKS SAW 095.B600.00
SPANNBACKEN SAEGE 095.B600.00
BLOQUES DE PRESION SIERRA 095.B600.00
BLOKI DOCISKOWE PILY 095.B600.00

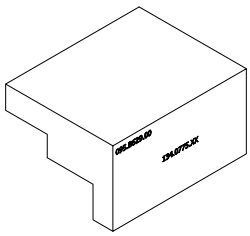
CW 50



095.B626.00

KLEMBLOKKEN ZAAGMACHINE 095.B600.00
BLOCS DE SERRAGE SCIE CIRCULAIRE 095.B600.00
CLAMP BLOCKS SAW 095.B600.00
SPANNBACKEN SAEGE 095.B600.00
BLOQUES DE PRESION SIERRA 095.B600.00
BLOKI DOCISKOWE PILY 095.B600.00

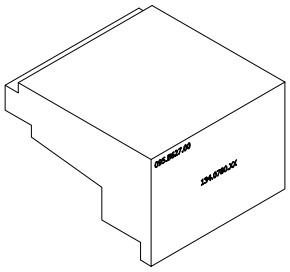
CW 50



095.B629.00

KLEMBLOKKEN ZAAGMACHINE 095.B600.00
BLOCS DE SERRAGE SCIE CIRCULAIRE 095.B600.00
CLAMP BLOCKS SAW 095.B600.00
SPANNBACKEN SAEGE 095.B600.00
BLOQUES DE PRESION SIERRA 095.B600.00
BLOKI DOCISKOWE PILY 095.B600.00

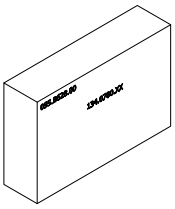
CW 50



095.B627.00

KLEMBLOKKEN ZAAGMACHINE 095.B600.00
BLOCS DE SERRAGE SCIE CIRCULAIRE 095.B600.00
CLAMP BLOCKS SAW 095.B600.00
SPANNBACKEN SAEGE 095.B600.00
BLOQUES DE PRESION SIERRA 095.B600.00
BLOKI DOCISKOWE PILY 095.B600.00

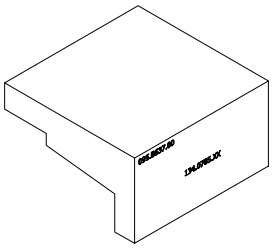
CW 50



095.B628.00

KLEMBLOKKEN ZAAGMACHINE 095.B600.00
BLOCS DE SERRAGE SCIE CIRCULAIRE 095.B600.00
CLAMP BLOCKS SAW 095.B600.00
SPANNBACKEN SAEGE 095.B600.00
BLOQUES DE PRESION SIERRA 095.B600.00
BLOKI DOCISKOWE PILY 095.B600.00

CW 50

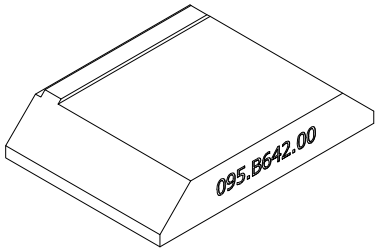


095.B637.00

KLEMBLOKKEN ZAAGMACHINE 095.B600.00
BLOCS DE SERRAGE SCIE CIRCULAIRE 095.B600.00
CLAMP BLOCKS SAW 095.B600.00
SPANNBACKEN SAEGE 095.B600.00
BLOQUES DE PRESION SIERRA 095.B600.00
BLOKI DOCISKOWE PILY 095.B600.00

CW 50

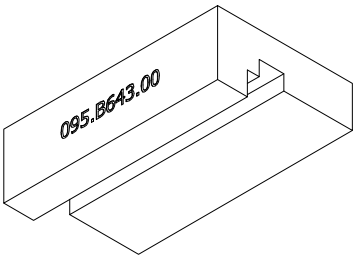
095.B642.00



KLEMBLOK KADERS
BLOC DE SERRAGE DORMANTS
CLAMP BLOCK OUTER FRAMES
SPANNBACKE BLENDRAHMEN
BLOQUE DE PRESION MARCOS
BLOK DOCISKOWY OSCIEZNICY

CW OUTWARD OPENING

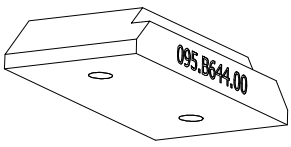
095.B643.00



BOVENBLOK
BLOC SUPERIEUR
UPPER BLOCK
DRUECKPLATTE
BLOQUEO SUPERIOR
BLOK GORNY

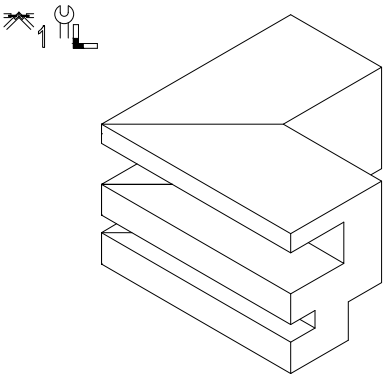
CW OUTWARD OPENING

095.B644.00



KLEMBLOK VLEUGELS
BLOC DE SERRAGE OUVRANTS
CLAMP BLOCK VENTS
SPANNBACKE FLUEGEL
BLOQUE DE PRESION HOJAS
BLOK DOCISKOWY SKRZYDLA

CW OUTWARD OPENING



095.21TP.00

PERSBLOK
ENCLUME
PRESS BLOCK
PRESSBLOCK
PRENSA
BLOK DOCISKOWY

CW 50
034.0121.XX

034.1121.XX

CW 50-HL
034.0121.XX

034.1121.XX

CW 50-SC
034.0118.XX

034.1121.XX

CW 50-SG
034.0162.XX

034.1121.XX

CW 50-VL
034.0118.XX

034.1121.XX

CW 60
034.0121.XX

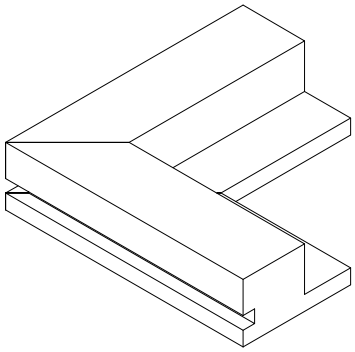
034.1121.XX

CW 60-HL
034.0121.XX

034.1121.XX

CW 60-SC
034.1121.XX

CW 65-EF
034.1121.XX



095.20DD.00

PERSBLOK
ENCLUME
PRESS BLOCK
PRESSBLOCK
PRENSA
BLOK DOCISKOWY

CP 130
006.1977.XX

CW 60
CP 130-LS
006.1977.XX

CS 86-HI
108.1413.XX

108.1414.XX

108.1416.XX

108.1423.XX

108.1425.XX

108.1436.XX

108.1440.XX

108.1483.XX

CW 50
034.0220.XX

CW 50-SC
034.0220.XX

CW 50-VL
034.0220.XX

CW 65-EF/HI
007.0260.XX

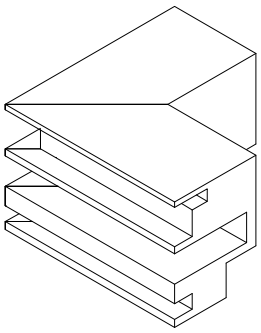
007.0261.XX

007.0262.XX

007.0265.XX

007.0266.XX

007.0268.XX



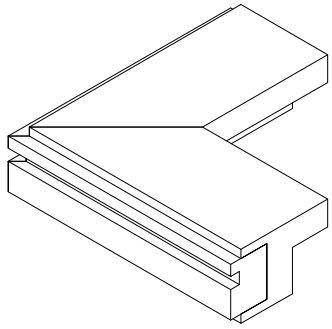
095.20TG.00

PERSBLOK
ENCLUME
PRESS BLOCK
PRESSBLOCK
PRENSA
BLOK DOCISKOWY

CS 77-FP
CW 50-SG
CW 60-SG

097.D200.00

PERSBLOK CONCEPT
ENCLUME CONCEPT
PRESS BLOCK CONCEPT
PRESSBLOCK CONCEPT
PRENSA CONCEPT
BLOK DOCISKOWY CONCEPT



CP 130
006.1687.XX

CS 59-CD
001.1669.XX
001.1698.XX

CS 59PA
016.0014.XX
016.0026.XX
016.0100.XX
016.0106.XX
016.0113.XX
016.0114.XX
016.0120.XX
016.0125.XX
016.0136.XX
016.0143.XX
016.0183.XX
016.0817.XX
016.0847.XX
016.0898.XX
044.0202.XX
044.0212.XX
044.0213.XX
044.0220.XX
044.0236.XX
044.0292.XX

CS 59Pa-CD
016.0614.XX
016.0625.XX
016.0626.XX
016.0636.XX

CW 50
034.0155.XX

CW 50-HL
034.0155.XX

CW 50-SC
034.0155.XX

CW 50-VL
034.0155.XX

CW 60
034.0155.XX

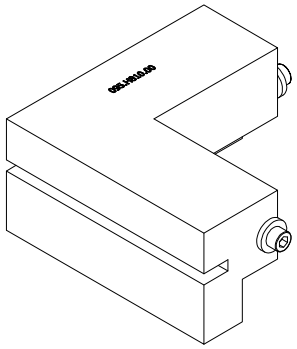
CW 60-HL
034.0155.XX

CW 60-SC
034.0155.XX

CW 65-EF
034.0155.XX

095.H810.00

PERSBLOK
ENCLUME
PRESS BLOCK
PRESSBLOCK
PRENSA
BLOK DOCISKOWY



CP 130
006.1978.XX
006.1979.XX
006.1980.XX
006.1981.XX
006.1982.XX
006.1983.XX
006.1984.XX
006.1985.XX
006.1993.XX
006.1995.XX
044.1984.XX

CP 155
006.1308.XX
006.1400.XX
006.2299.XX
008.3848.XX

CP 155-AP
006.1308.XX

CP 155-LS
006.1308.XX
006.1400.XX
006.2299.XX
008.3848.XX

CP 155-LS/AP
006.1308.XX

CR 120
007.0765.XX
007.0768.XX

CS 59Pa-SD
016.0516.XX

CS 59-SD
001.0516.XX

CS 77
008.0094.XX
008.3848.XX

CW 50
007.0765.XX
007.0768.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 50-HI
034.0158.XX

CW 50-HL
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 50-SC
034.0119.XX
034.0156.XX
034.1113.XX
034.1122.XX

CW 50-SG
034.0161.XX
034.0163.XX

CW 50-VL
034.0119.XX
034.0157.XX
034.2120.XX

CW 60
007.0765.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 60-HL
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

CW 60-SC
034.0156.XX
034.1113.XX
034.1122.XX

CW 60-SG
034.0161.XX

CW 65-EF
034.0156.XX
034.0157.XX
034.1113.XX
034.1122.XX
034.2120.XX

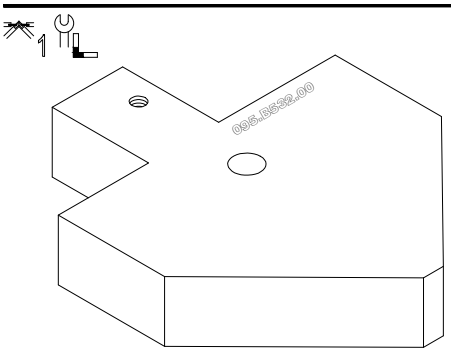
CW 86-EF/HI
107.0100.XX

CW OUTWARD OPENING
134.0125.XX
134.0130.XX
134.0135.XX
134.0140.XX
134.0145.XX
134.0180.04
134.0183.04
134.0186.04
134.2130.XX
134.2135.XX
134.2140.XX

ES 45PA
010.0113.XX
010.0114.XX
010.0120.XX
010.0134.XX
010.0136.XX
010.0140.XX
010.0143.XX
010.0183.XX

ES 50
003.0002.XX
003.0013.XX
003.0014.XX
003.0016.XX
003.0019.XX
003.0021.XX
003.0025.XX
003.0036.XX
003.0051.XX
003.0052.XX
003.0092.XX
003.0105.XX
003.0441.XX
003.0442.XX
003.0451.XX
003.1054.XX
003.1312.XX
003.1321.XX
003.1392.XX
0F3.0002.XX
0F3.0013.XX
0F3.0014.XX
0F3.0016.XX
0F3.0019.XX

G



095.B532.00

PERSBLOK D=30MM L=ST
ENCLUME D=30MM L=ST
PRESS BLOCK D=30MM L=ST
PRESSBLOCK D=30MM L=ST
PRENSA D=30MM L=ST
BLOK DOCISKOWY D=30MM L=ST

CW 50
005.0538.XX
007.0765.XX
007.0768.XX
008.3538.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.0220.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 50-HI
007.0160.XX
007.0341.XX
008.3539.XX
034.0158.XX

CW 50-HL
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 50-SC
034.0118.XX
034.0119.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.0220.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0118.XX
034.0119.XX
034.0155.XX
034.0157.XX
034.0220.XX
034.1121.XX
034.2120.XX

CW 60
005.0538.XX
007.0765.XX
008.3538.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 60-HI
007.0341.XX

CW 60-HL
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

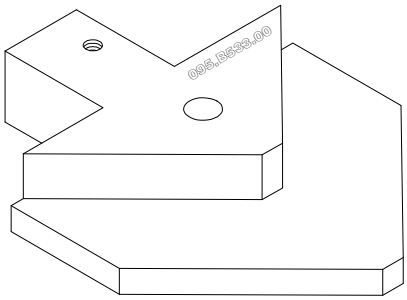
CW 60-SC
034.0155.XX
034.0156.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 65-EF
007.0200.XX
007.0201.XX
007.0202.XX
007.0207.XX
007.0255.XX
007.0256.XX
007.0258.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 65-EF/HI
007.0260.XX
007.0261.XX
007.0262.XX
007.0265.XX
007.0266.XX
007.0268.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX

CF 77
CF 77-AP
CP 130
CP 130-LS
CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP
CR 120
CS 24-SL
CS 24-SL/AP
CS 38-SL
CS 38-SL/AP
CS 59
CS 59-HV
CS 59PA
CS 59Pa-SD
CS 59-SD
CS 68
CS 68-HV
CS 68-RE
CS 77
CS 77-FP
CS 77-HV
CS 77-RE
CS 77-SP
CS 86-HI
CW 60-DRL
CW 86
CW 86-BR
CW 86-EF
CW 86-EF/HI
CW 86-SG
EF 7
EF 7-SG
ES 45PA
ES 50
ES 50-AP
MASTERLINE 10-Fu
MASTERLINE 8-Fu
MASTERLINE 8-HV
MASTERLINE 8-Sw
MasterPatio
MOSQUITO



095.B533.00

PERSBLOK D=11 L=ST-4MM
ENCLUME D=11 L=ST-4MM
PRESS BLOCK D=11 L=ST-4MM
PRESSBLOCK D=11 L=ST-4MM
PRENSA D=11 L=ST-4MM
BLOK DOCISKOWY D=11 L=ST-4MM

CW 50
001.0538.XX
001.0826.XX
005.0826.XX
007.0775.XX
007.1765.XX
008.3826.XX

CW 50-HI
008.3827.XX

CW 50-SC
034.0131.XX

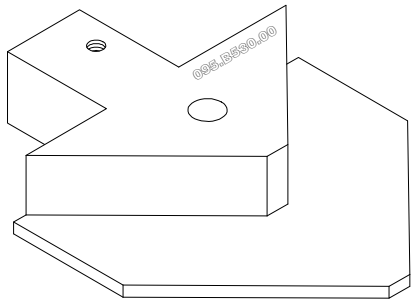
CW 50-VL
034.0131.XX

CW 60
001.0538.XX
001.0826.XX
001.1426.XX
005.0826.XX
005.1426.XX
007.0775.XX
007.1765.XX
008.3826.XX

CW 60-SC
034.0131.XX

CD 50
CD 68
CF 68
CF 77
CF 77-AP
CP 130
CP 130-LS
CP 130Pa
CP 130Pa-LS
CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CP 45PA
CP 45Pa (GR)
CP 50
CP 68
CR 120
CS 104-HI+
CS 59
CS 59-CD
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SD
CS 59-SO
CS 68
CS 68-FP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-RE
CS 77-SO
CS 77-SP
CS 86-HI
CSW 86-HI
CW 60-DRL
ES 45PA
ES 50
ES 50-AP
ES 75
MASTERLINE 8-Fu
PS 50-SP
TR 200

G



095.B530.00

PERSBLOK D=5MM L=ST
ENCLUME D=5MM L=ST
PRESS BLOCK D=5MM L=ST
PRESSBLOCK D=5MM L=ST
PRENSA D=5MM L=ST
BLOK DOCISKOWY D=5MM L=ST

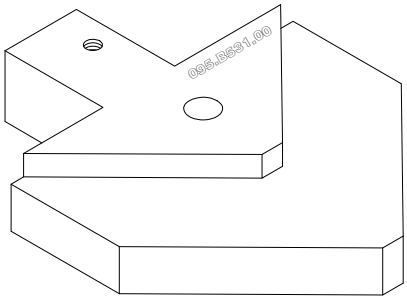
CW 50
001.0538.XX
001.0826.XX
005.0826.XX
008.3826.XX
508.0828.XX

CW 50-HI
008.3827.XX

CW 60
001.0538.XX
001.0826.XX
001.1426.XX
005.0826.XX
005.1426.XX
008.3826.XX

CD 50
CD 68
CF 77
CF 77-AP
CP 130
CP 130-LS
CP 130Pa
CP 130Pa-LS
CP 155
CP 155-LS
CP 50
CP 68
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP
CR 120
CS 104-HI+
CS 59
CS 59-CD
CS 59-HV
CS 59PA
CS 59Pa-AD
CS 59Pa-CD
CS 59Pa-SD
CS 59-RE
CS 59-SD
CS 59-SO
CS 68
CS 68-FP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-RE
CS 77-SO
CS 77-SP
CS 86-HI
CSW 86-HI
CW 60-DRL
GNRLS
MASTERLINE 10-Fu
MASTERLINE 8-De
MASTERLINE 8-Fu
MASTERLINE 8-Re
MASTERLINE 8-Sw
MasterPatio
SL 68
TR 200

ES 45PA



095.B531.00

PERSBLOK D=20MM L=ST
ENCLUME D=20MM L=ST
PRESS BLOCK D=20MM L=ST
PRESSBLOCK D=20MM L=ST
PRENSA D=20MM L=ST
BLOK DOCISKOWY D=20MM L=ST

CW 50-HI
007.0331.XX

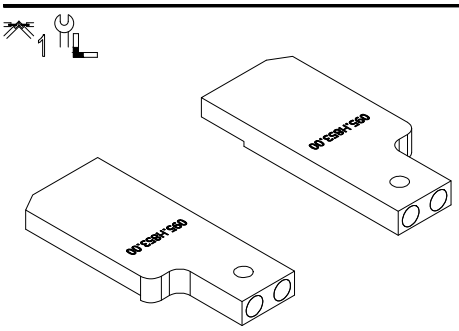
CW 50-SC
034.0127.XX
034.0128.XX

CW 50-VL
034.0127.XX
034.0128.XX

CW 60-HI
007.0331.XX

CW 60-SC
034.0127.XX
034.0128.XX

CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CP 45PA
CP 45Pa (GR)
CP 96
CP 96-AP
CS 59PA
CS 59Pa-CD
CS 68
ES 50



095.H853.00

MESSEN VOOR 095.H800.00 8MM
COUTEAUX POUR 095.H800.00 8MM
KNIVES FOR 095.H800.00 8MM
MESSER FUER 095.H800.00 8MM
CUCHILLAS PARA 095.H800.00 8MM
NOZE DO 095.H800.00 8MM

CW 50
005.0538.XX
005.0826.XX
007.0775.XX
007.1765.XX
008.3538.XX
008.3826.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.0220.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX
508.0828.XX

CW 50-HI
007.0331.XX
007.0341.XX
008.3539.XX
008.3827.XX
034.0158.XX

CW 50-HL
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 50-SC
034.0118.XX
034.0119.XX
034.0155.XX
034.0156.XX
034.0220.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 50-SG
034.0162.XX
034.0163.XX

CW 50-VL
034.0118.XX
034.0119.XX
034.0155.XX
034.0157.XX
034.0220.XX
034.1121.XX
034.2120.XX

CW 60
005.0538.XX
005.0826.XX
005.1426.XX
007.0775.XX
007.1765.XX
008.3538.XX
008.3826.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 60-HI
007.0331.XX
007.0341.XX

CW 60-HL
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

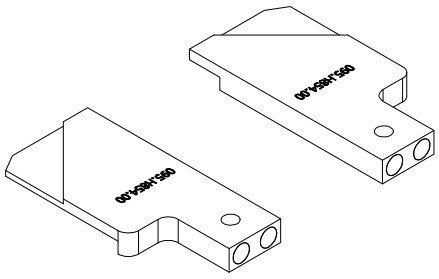
CW 60-SC
034.0155.XX
034.0156.XX
034.1113.XX
034.1121.XX
034.1122.XX

CW 65-EF
007.0200.XX
007.0201.XX
007.0202.XX
007.0207.XX
007.0255.XX
007.0256.XX
007.0258.XX
034.0155.XX
034.0156.XX
034.0157.XX
034.1113.XX
034.1121.XX
034.1122.XX
034.2120.XX

CW 65-EF/HI
007.0260.XX
007.0261.XX
007.0262.XX
007.0265.XX
007.0266.XX
007.0268.XX

CW 65-EF/SG
007.0205.XX
007.0206.XX
007.0207.XX

CD 50
CD 68
CF 77
CF 77-AP
CP 130
CP 130-LS
CP 130Pa
CP 130Pa-LS
CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CP 45PA
CP 45Pa (GR)
CP 50
CP 68
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP
CR 120
CS 104-HI+
CS 24-SL
CS 24-SL/AP
CS 38-SL
CS 38-SL/AP
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SD
CS 59-SO
CS 68
CS 68-FP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP



095.H854.00

MESSEN VOOR 095.H800.00 2.5MM
COUTEAUX POUR 095.H800.00 2.5MM
KNIVES FOR 095.H800.00 2.5MM
MESSER FUER 095.H800.00 2.5MM
CUCHILLAS PARA 095.H800.00 2.5MM
NOZE DO 095.H800.00 2.5MM

CW 50
001.0538.XX
001.0826.XX
005.0538.XX
005.0826.XX
007.0768.XX
008.3538.XX
008.3826.XX

CW 50-HI
008.3539.XX
008.3827.XX

CW 50-SC
034.0127.XX
034.0128.XX
034.0131.XX

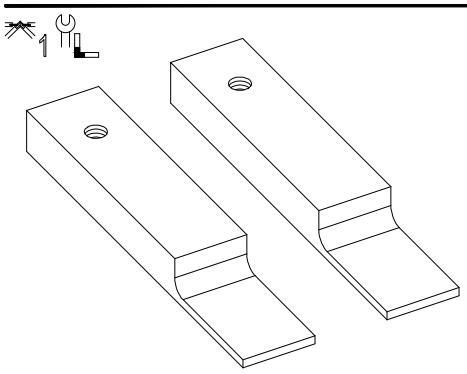
CW 50-VL
034.0127.XX
034.0128.XX
034.0131.XX

CW 60
001.0538.XX
001.0826.XX
001.1426.XX
005.0538.XX
005.0826.XX
005.1426.XX
008.3538.XX
008.3826.XX

CW 60-SC
034.0127.XX
034.0128.XX
034.0131.XX

CD 50
CD 68
CF 77
CF 77-AP
CP 130
CP 130-LS
CP 155
CP 155-LS
CP 50
CP 68
CR 120
CS 104-HI+
CS 59
CS 59-HV
CS 59PA
CS 59-RE
CS 59-SD
CS 59-SO
CS 68
CS 68-FP
CS 68-HV
CS 68-RE
CS 68-SO
CS 77
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-RE
CS 77-SO
CS 77-SP
CS 86-HI
CSW 86-HI
CW 60-DRL
CW 86
CW 86-EF
ES 50
ES 50-AP
MASTERLINE 8-Fu
MOSQUITO
SL 38
TR 200

CP 96-AP
CW 50-SG
CW 60-SG



095.B560.00

MESSEN D=3MM L=ST
COUTEAUX D=3MM L=ST
KNIVES D=3MM L=ST
MESSER D=3MM L=ST
CUCHILLAS D=3MM L=ST
NOZE D=3MM L=ST

CW 50
508.0828.XX

CW 50-SC
034.0127.XX
034.0128.XX
034.0131.XX

CW 50-VL
034.0127.XX
034.0128.XX
034.0131.XX

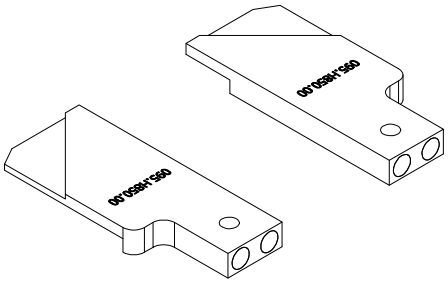
CW 60-SC
034.0127.XX
034.0128.XX
034.0131.XX

CW 65-EF
007.0200.XX
007.0201.XX
007.0202.XX
007.0255.XX
007.0256.XX
007.0258.XX

CP 45PA
CP 45Pa (GR)
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP

CS 24-SL
CS 24-SL/AP
CS 38-SL
CS 38-SL/AP
CS 59PA
CS 68
CS 77
CS 86-HI
CSW 86-HI
CW 86
CW 86-EF
ES 50
ES 50-AP
GNRLS
MASTERLINE 10-Fu
MASTERLINE 8-Fu
MASTERLINE 8-Sw
MasterPatio
SL 38
SL 68

ES 45PA



095.H850.00

MESSEN VOOR 095.H800.00 2.5MM
COUTEAUX POUR 095.H800.00 2.5MM
KNIVES FOR 095.H800.00 2.5MM
MESSER FUER 095.H800.00 2.5MM
CUCHILLAS PARA 095.H800.00 2.5MM
NOZE DO 095.H800.00 2.5MM

CW 50
007.0765.XX
508.0828.XX

CW 50-SG
034.0161.XX

CW 60
007.0765.XX

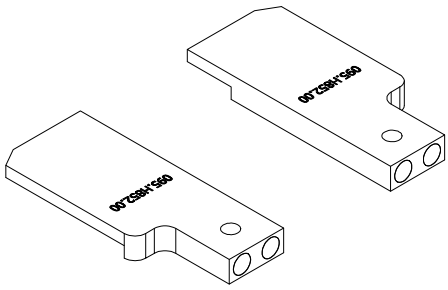
CW 60-SG
034.0161.XX

CW 65-EF
007.0200.XX
007.0201.XX
007.0202.XX
007.0255.XX
007.0256.XX
007.0258.XX

CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CP 45PA
CP 45Pa (GR)
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP
CR 120

CS 24-SL
CS 24-SL/AP
CS 38-SL
CS 38-SL/AP
CS 59PA
CS 68
CS 77
CS 86-HI
CSW 86-HI
ES 50
ES 50-AP
GNRLS
MASTERLINE 10-Fu
MASTERLINE 8-De
MASTERLINE 8-Fu
MASTERLINE 8-HV
MASTERLINE 8-Re
MASTERLINE 8-Sw
MasterPatio
MOSQUITO
SL 38
SL 68

CP 50 (GR)
ES 45PA



095.H852.00

MESSEN VOOR 095.H800.00
COUTEAUX POUR 095.H800.00
KNIVES FOR 095.H800.00
MESSER FUER 095.H800.00
CUCHILLAS PARA 095.H800.00
NOZE DO 095.H800.00

CF 68
105.0986.XX
105.0987.XX

CP 130
006.1886.XX
006.1977.XX
006.1986.XX
006.1987.XX
044.1986.XX

CP 130-LS
006.1886.XX
006.1977.XX
006.1986.XX
044.1986.XX

CP 130Pa
016.1986.XX
016.1987.XX

CP 130Pa-LS
016.1988.XX

CS 59
001.0826.XX
001.1426.XX

CS 59-CD
001.1614.XX
001.1626.XX
001.1669.XX
001.1698.XX

CS 59-HV
001.0538.XX

CS 59Pa-CD
016.0614.XX
016.0625.XX
016.0626.XX
016.0636.XX

CS 59Pa-SD
016.0516.XX

CS 59-SD
001.0501.XX

CW 50
001.0538.XX
001.0826.XX

CW 50-HI
007.0331.XX
007.0341.XX

CW 60
001.0538.XX
001.0826.XX
001.1426.XX

CW 60-HI
007.0331.XX
007.0341.XX

CW 65-EF/HI
007.0260.XX
007.0261.XX
007.0262.XX
007.0265.XX
007.0266.XX
007.0268.XX

CW 86
007.0162.XX

CW 86-EF
007.0162.XX

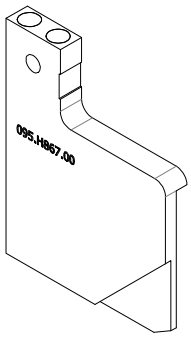
ES 50
103.3801.XX
103.3812.XX

MASTERLINE 10-Fu
501.1951.XX

MOSQUITO
020.0040.XX
020.0060.XX
020.1046.XX

SL 68
203.0116.XX
203.0216.XX
203.0218.XX
203.0441.XX
203.0449.XX

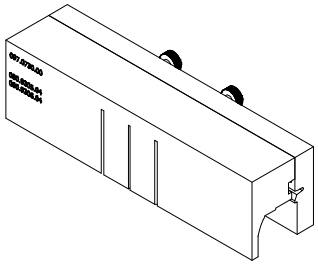
CS 38-SL
CS 38-SL/AP
CS 86-HI
ES 45PA



095.H867.00

MESSEN
COUTEAUX
KNIVES
MESSER
CUCHILLAS
NOZE

CW OUTWARD OPENING

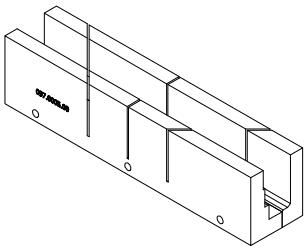


097.0730.00

SNIJMAL
GABARIT A COUPER
CUTTING JIG
SCHNEIDELEHRE
PLANTILLA DE CORTE
SZABLON DO CIECIA

CW 50
080.9305.04
080.9306.04

CW 50-VL

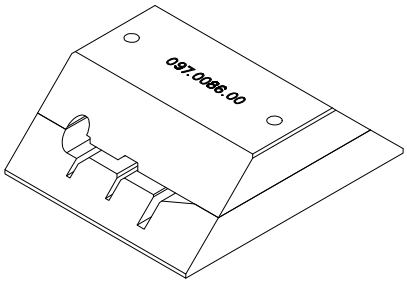


097.0005.00

SNIJMAL
GABARIT A COUPER
CUTTING JIG
SCHNEIDELEHRE
PLANTILLA DE CORTE
SZABLON DO CIECIA

CW 50-SC
080.9299.04

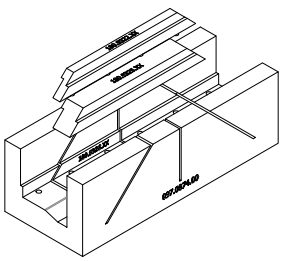
CW 50-VL



097.0086.00

SNIJMAL MIDDENDICHTING 45°
GABARIT A COUPER JOINT CENTRAL 45°
CUTTING JIG CENTRAL GASKET 45°
SCHNEIDELEHRE MITTELDICHTUNG 45°
PLANTILLA DE CORTE JUNTA CENTRAL 45°
SZABLON DO CIECIA USZCZELKI CENTRALNEJ 45°

CW 86



097.0874.00

SNIJMAL
GABARIT A COUPER
CUTTING JIG
SCHNEIDELEHRE
PLANTILLA DE CORTE
SZABLON DO CIECIA

CW OUTWARD OPENING

SCHAREN THW
THW COMPAS
FRICTION STAYS THW
SCHERE SENKKLAP

Together
for better