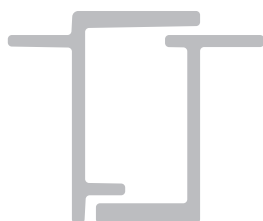


METALFORM

OTTOSTUMM | mogs

FerroFinestra®
W40 FR



FerroFinestra®
W40 FR

System description

The W40 hot rolled steel window and door system was developed to provide architects and planners with optimal solutions for projects involving the renovation or restoration of industrial heritage buildings. In addition, this profile series provides interesting stimulation for designoriented contemporary architecture.

The characteristic profile contour – 5.5 mm recess in the sightline – emphasises both the delicate appearance and the link to historical hot-rolled steel profiles. Furthermore, these unique profile contours ensure that the glazing is always flush, in the same line between the fixed sash and the window sash.

The wide range of profiles – with installation depths of 42 mm and 47 mm and sightline widths of 27 mm for the frame profile and 55 mm for the frame/sash combination – makes it possible to create large-format windows, doors and window fronts with any type of opening. The opening and design variants are typical of Bauhaus architecture but are also in line with contemporary style and aesthetics.

In addition to the accessories that have been specially developed and selected by OTTOSTUMM | Mogs, the W40 system is also compatible with a wide range of other fittings. This makes it possible to replace steel windows from many different historical periods and styles while staying true to the originals.

Profiles made from 3 to 5 mm thick steel, material S235JR, 1.0038;

Partitions (Fixed windows), single and double leaf hinged doors.

Opening in and outwards

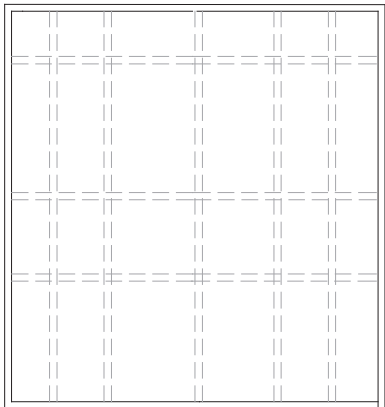
Screw-on steel glazing beads in L- and rectangular shape

Fire-rated glass from Pyroguard:
T-E30/6 (Glass thickness 6 mm)
T-E30/8 (Glass thickness 8 mm)
T-E30/10 (Glass thickness 10 mm)
T-EW30/15-1 (Glass thickness 15 mm)
T-EW60/15-1 (Glass thickness 15 mm)
T-EW90/15-1 (Glass thickness 15 mm)
T-EW120/15-1 (Glass thickness 15 mm)

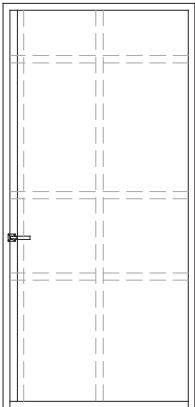
Hardware, fittings and accessories according to the enclosed list.

**Type overview and
dimensional limits**

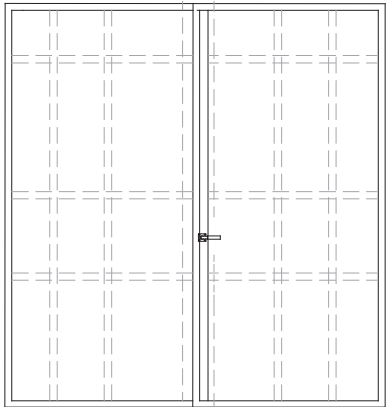
Type overview



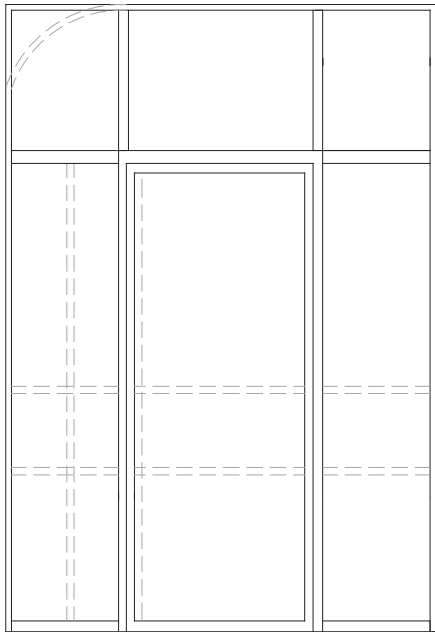
Fixed partition



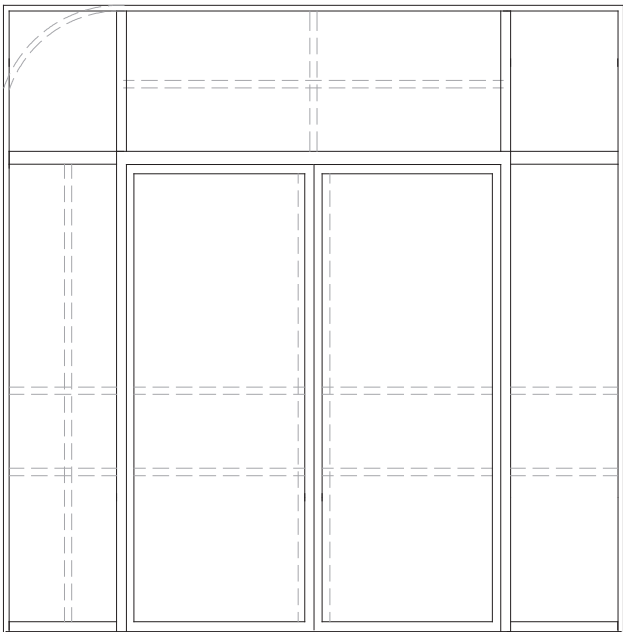
Single leaf door



Double leaf door



Single leaf door in partition



Double leaf door in partition

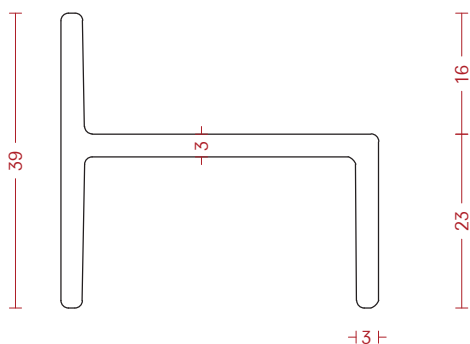
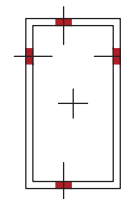
Profiles range

Profiles

BAR LENGTH: 5800 mm

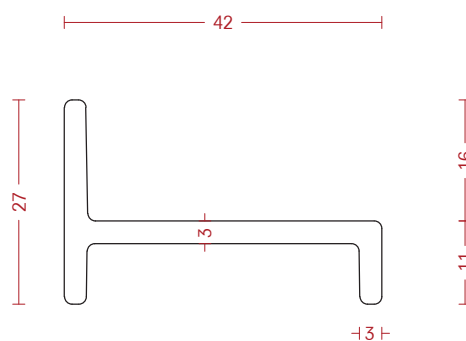
MATERIAL:

01 - Hot Rolled Steel



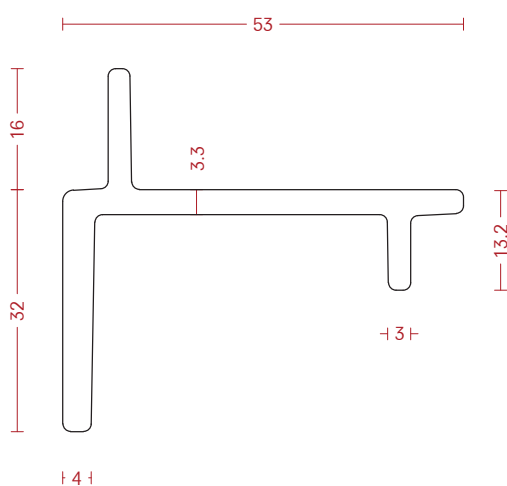
FF 4203HF-01

G = 2.29 U = 0.197
kg/m m²/m



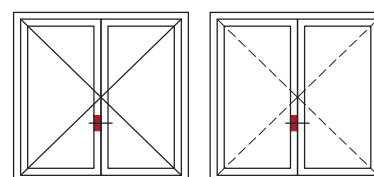
FF 4203LF-01

G = 1.80 U = 0.149
kg/m m²/m



FF 5303TZ-01

G = 2.94 U = 0.214
kg/m m²/m

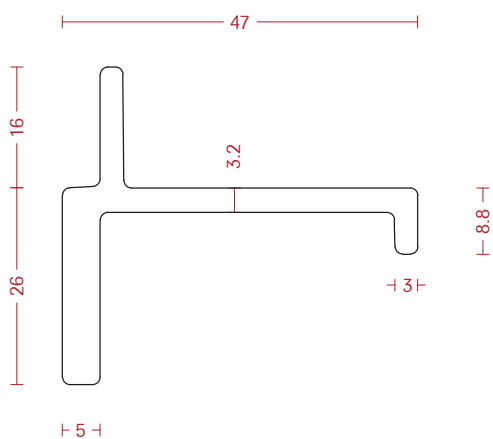
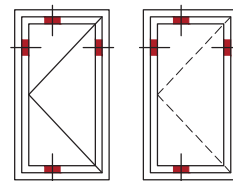


Profiles

BAR LENGTH: 5800 mm

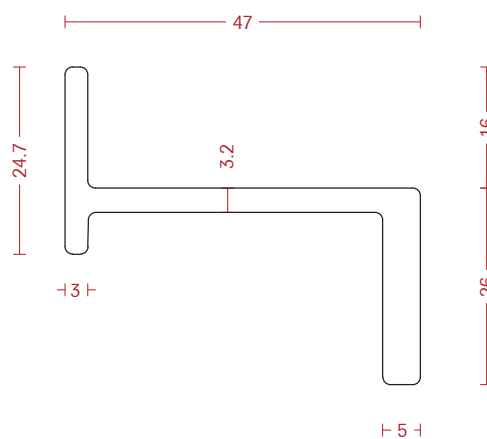
MATERIAL:

01 - Hot Rolled Steel



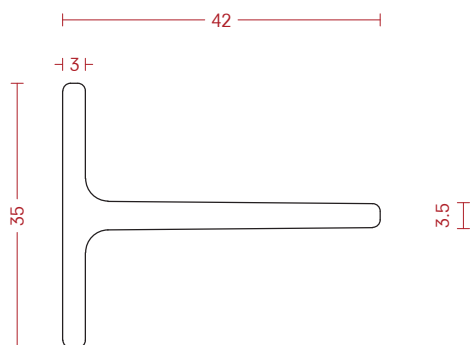
FF 4703TA-01

G = 2.65 U = 0.184
kg/m m²/m



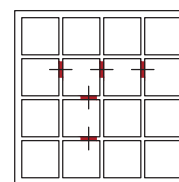
FF 4703ZA-01

G = 2.59 U = 0.185
kg/m m²/m



FF 4203TN-01

G = 1.92 U = 0.148
kg/m m²/m

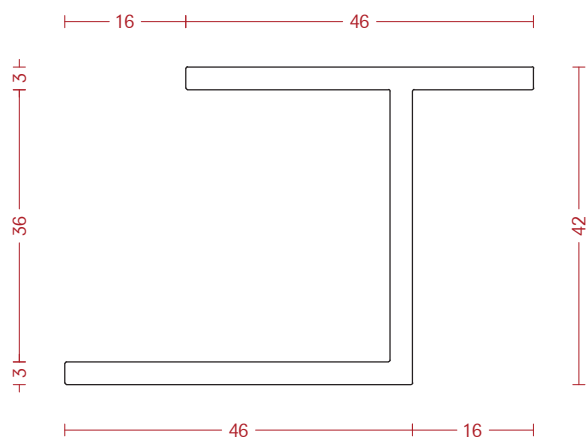
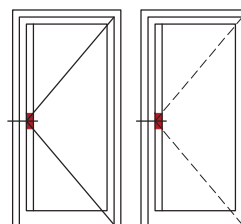


Profiles

BAR LENGTH: 5800 mm

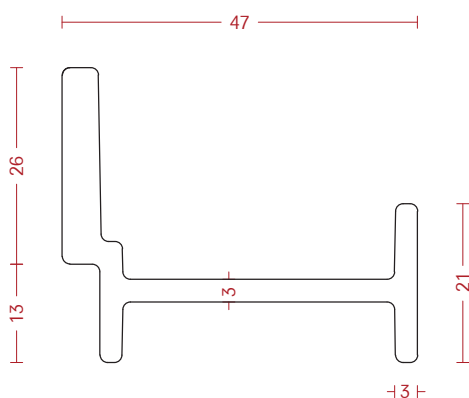
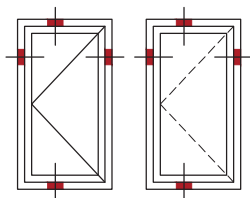
MATERIAL:

01 - Hot Rolled Steel



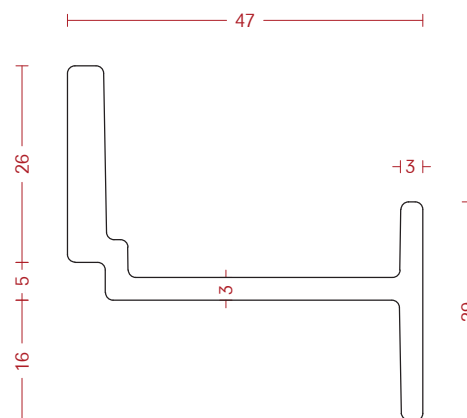
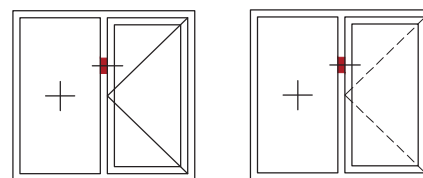
FF 4203RS-14

G = 3.01 U = 0.261
kg/m m²/m



FF 4703L-01

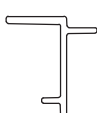
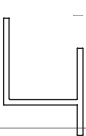
G = 3.01 U = 0.200
kg/m m²/m



FF 4703ZL-01

G = 2.72 U = 0.201
kg/m m²/m

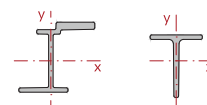
Inertia values

		G (kg/m)	U (m ² /m)	I _x (cm ⁴)	W _x (cm ³)	I _y (cm ⁴)	W _y (cm ³)
FF 4203LF-01		1.800	0.149	5.060	2.008	0.660	0.395
FF 4203HF-01		2.290	0.197	7.870	3.252	2.130	1.039
FF 4703L-01		3.010	0.200	10.320	3.571	3.220	1.376
FF 4703TA-01		2.650	0.184	7.540	2.342	2.630	1.246
FF 4703ZA-01		2.590	0.185	10.630	4.027	2.610	1.237
FF 5303TZ-01		2.940	0.214	10.870	3.080	3.630	1.385
FF 4703ZL-01		2.720	0.201	11.540	4.388	3.780	1.575
FF 4203RS-14		3.010	0.261	14.538	3.965	5.196	1.910
FF 4203TN-01		1.920	0.148	4.160	1.425	1.060	0.606

Legend

G = Weight
U = Coated surface
W_x / W_y = Flexural strength module
about one axis
I_x / I_y = Moment of inertia
about one axis

For any additional information
please contact our technical office.

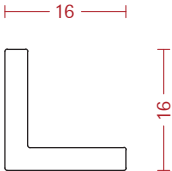


Glazing beads

Glazing beads

BAR LENGTH: 5800 mm
MATERIAL:
01 - Hot Rolled Steel

Corner radius max 1 mm



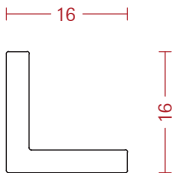
FV 1616A-01

G = 0.62 U = 0.058
kg/m m²/m

Glazing table

01 - Hot Rolled Steel

							
F	A		B		C	D	E
mm	code	mm	code	mm	mm	mm	mm
6	G99950-79	3	G99950-79	3	16	19 / 24	11 / 16
8	G99950-79	3	G99950-79	3	16	17 / 22	9 / 14
10	G99950-79	3	G99950-79	3	16	15 / 20	7 / 12
15	G99950-79	3	G99950-79	3	16	10 / 15	2 / 7



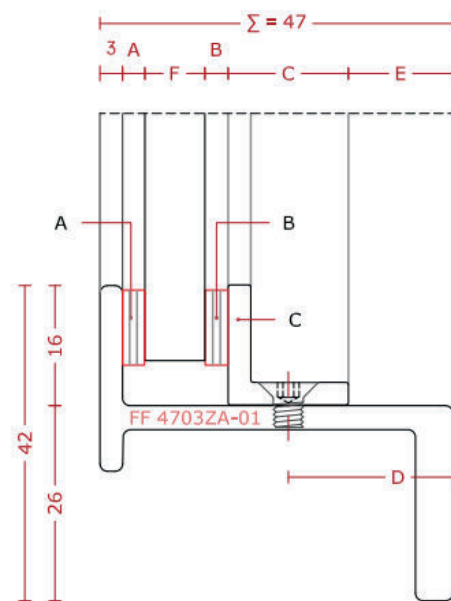
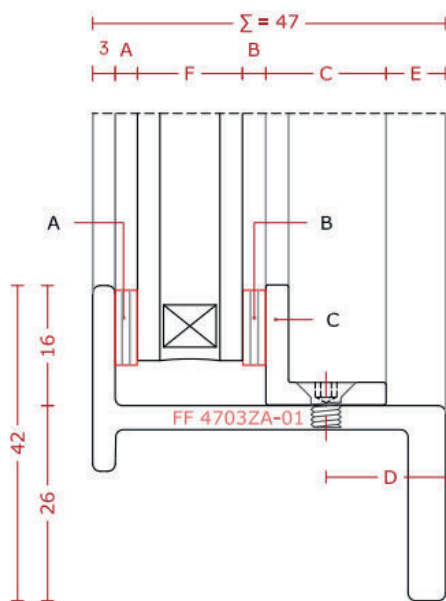
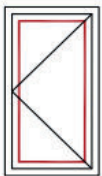
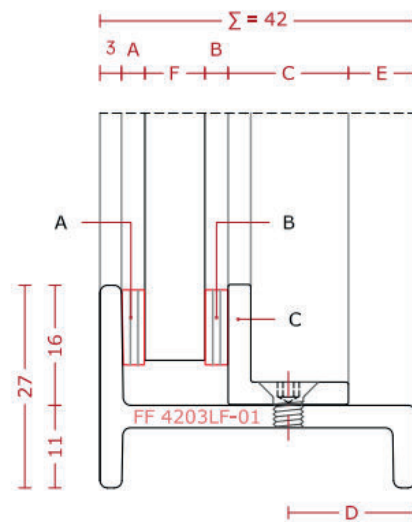
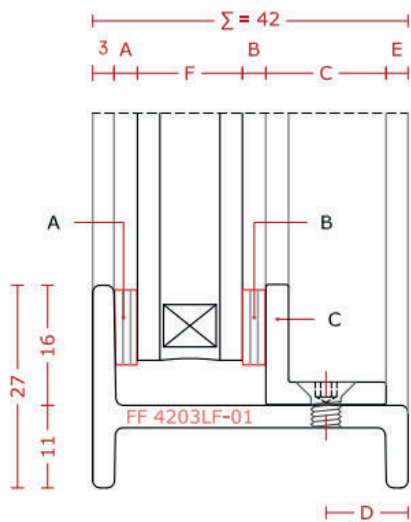
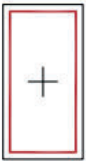
FV 1616A-01



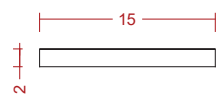
D99867-03
M4 x 6 mm



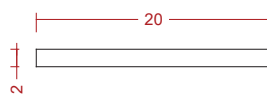
D99866-03
M4 x 6 mm



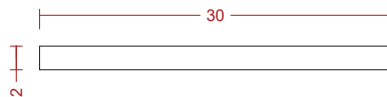
Intumescent gaskets



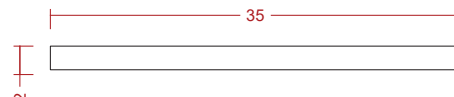
G99952-80



G99953-81

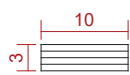


G99951-81



G99956-84

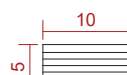
Glazing tapes



G99950-79



G99954-79



G99955-79

Locks



B99002-04

Mortise Lock
metal doors.
Top shoot bolt.
Backset 35mm.
24x6x245mm
U-Shaped. Stainl.



B99004-04

Mortise Lock
metal doors.
Backset 35mm
with 24x6x245mm,
U-Shaped Forend
Stainless Stee



B99207-04

Strike plate
24x6x245mm
U-Shaped.
Stainless steel.



E99031-03
E99032-03
E99033-03



E99131-02



B99208-04

Door closers



C99300-03

Door closer TS61B II
. Force 2-5. Slide rail.
Hinge side. RAL 9006 -
stainless st. cover.



C99301-03

Door closer TS61B II
. Force 2-5. Slide rail.
Opposite hinge. RAL
9006 - stainless st. cover



C99303-00

Closing seq.ce ctrl SR.
Slide rail. SR III EN 1158,
R/L. Hinge side. With
TS61 B. RAL 9006



C99304-00

Closing sequ.ce controll
SR BG. Slide rail. SR III
EN 1158, R/L. Opposite
hinge. TS61 G. RAL 9006



Pushing Flap MK2 for
double leaf doors.
Distance hinge 1360 -
2650mm. Galvanised st.

Handles



H99980-26

Door handle with oval rosette D-116 cranked. 9mm Nut. Stainless steel satin brushed



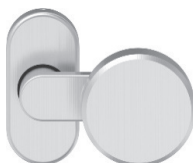
H99981-52

Door handle with oval rosette D-116 cranked. 9mm Nut. Aluminium anodized F1 (silver)



H99982-26

Door knob (ball) with oval rosette "D-116, cranked. 9mm Nut. Stainless steel satin brushed



H99984-26

Door knob (disc) with oval rosette "D-110, cranked. 9mm Nut. Stainless steel satin brushed.



H99985-26

Oval Rosette for PZ-Cylinder. Stainless steel satin brushed



H99986-52

Oval Rosette for PZ-Cylinder. Aluminium anodized F1 (silver)

3D Weld-on hinges



C99008-12

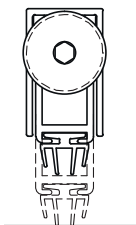
Bright steel 3-dimensional adjustable hinge for windows and doors.
Length 122 mm, Ø16 mm, with low-maintenance bushes made of brass, eccentric spindle and screw plug made from stainless steel AISI 304

Adjustability:
Height ± 2 mm;
Lateral and contact pressure ± 1 mm

Capacity: 160 kg (pair=2 pc)

PU = 1 piece

Automatic drop seal



G995XX- 62

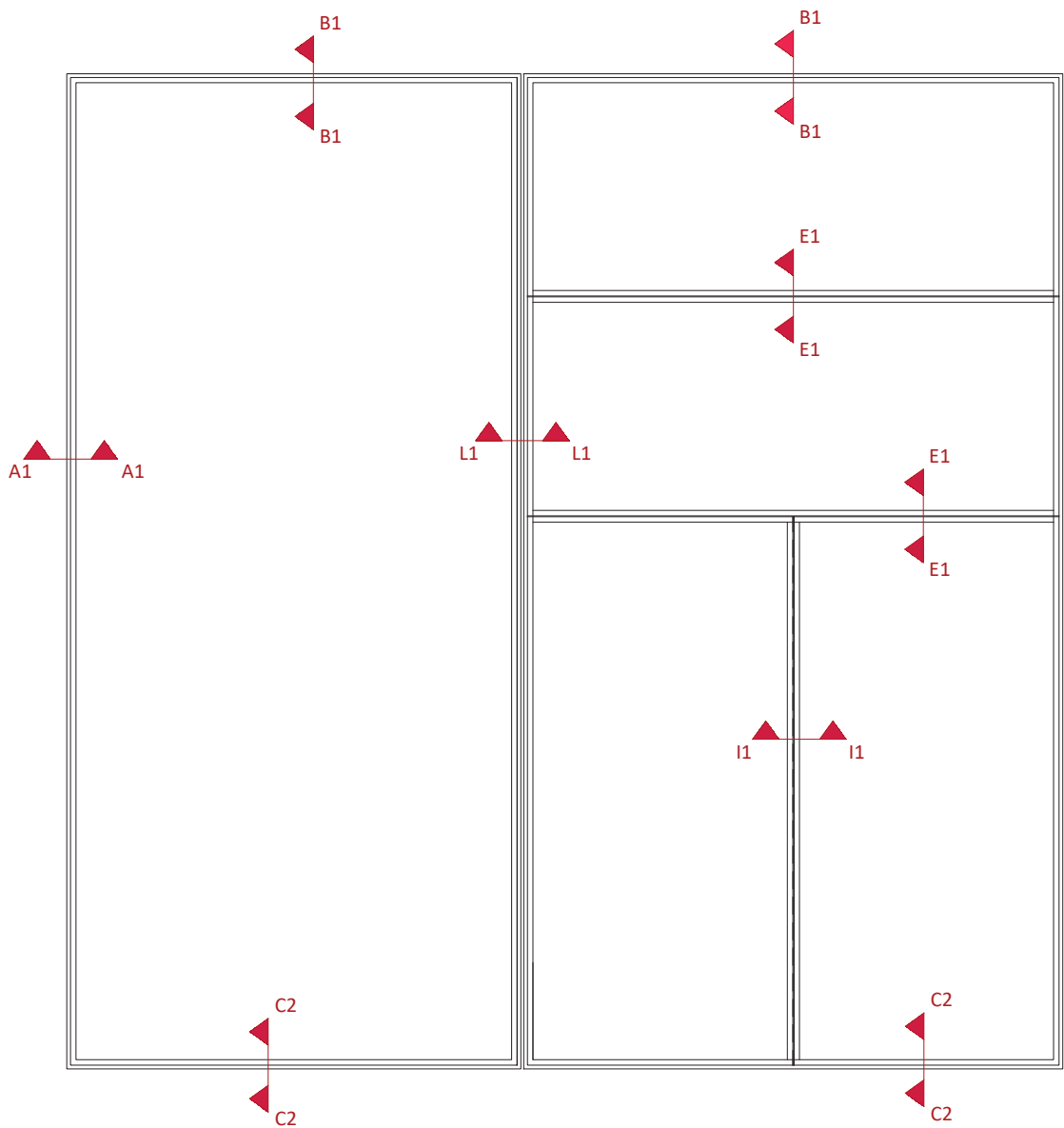
Automatic drop seal with 14 mm lift height, floor compensation.

Length= 1230 mm
Can be shortened to 200mm

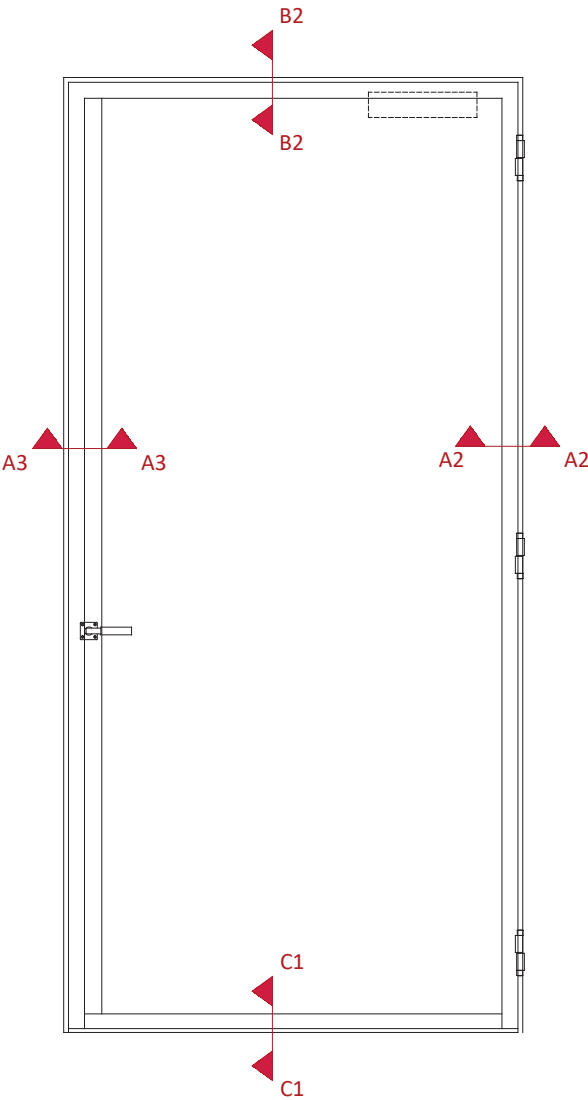
PU = 1 piece

Details

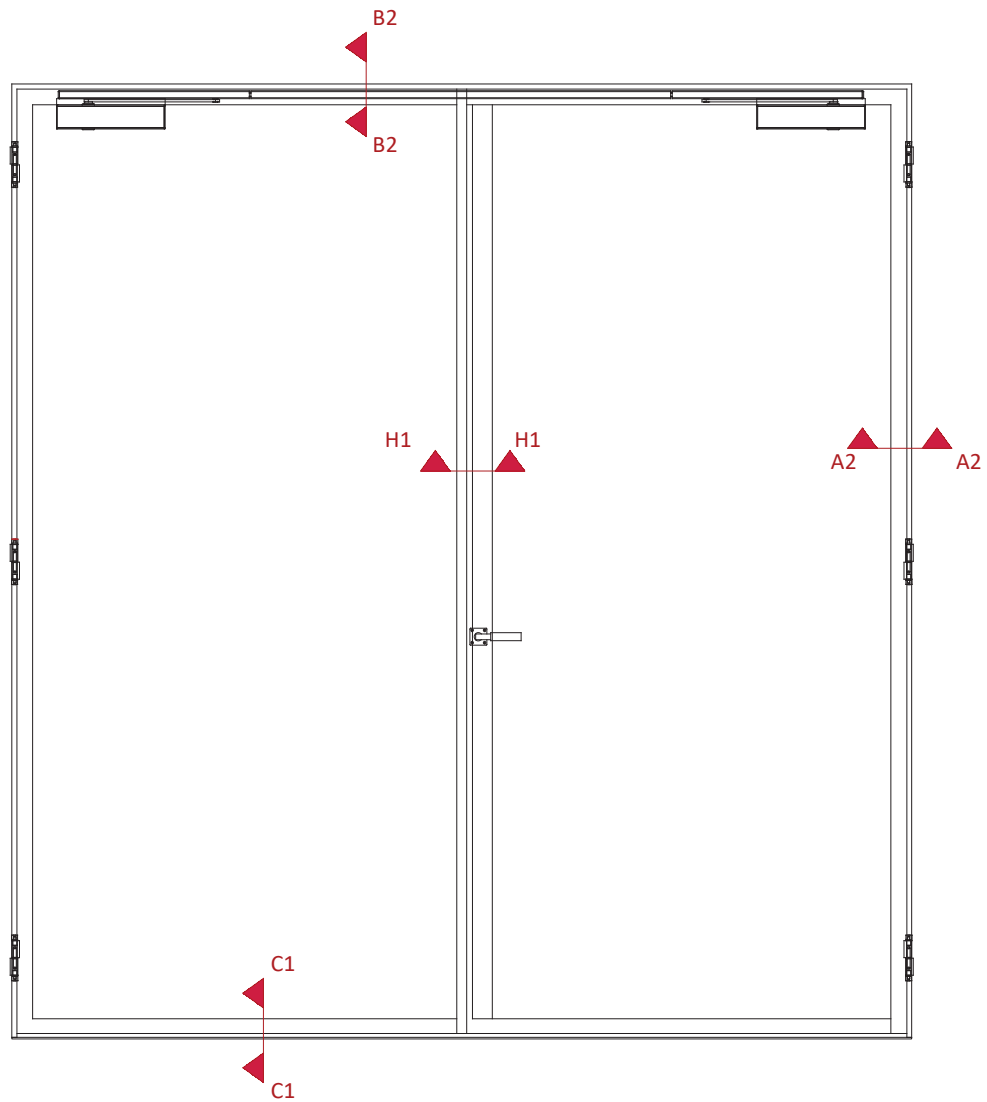
Fixed partition



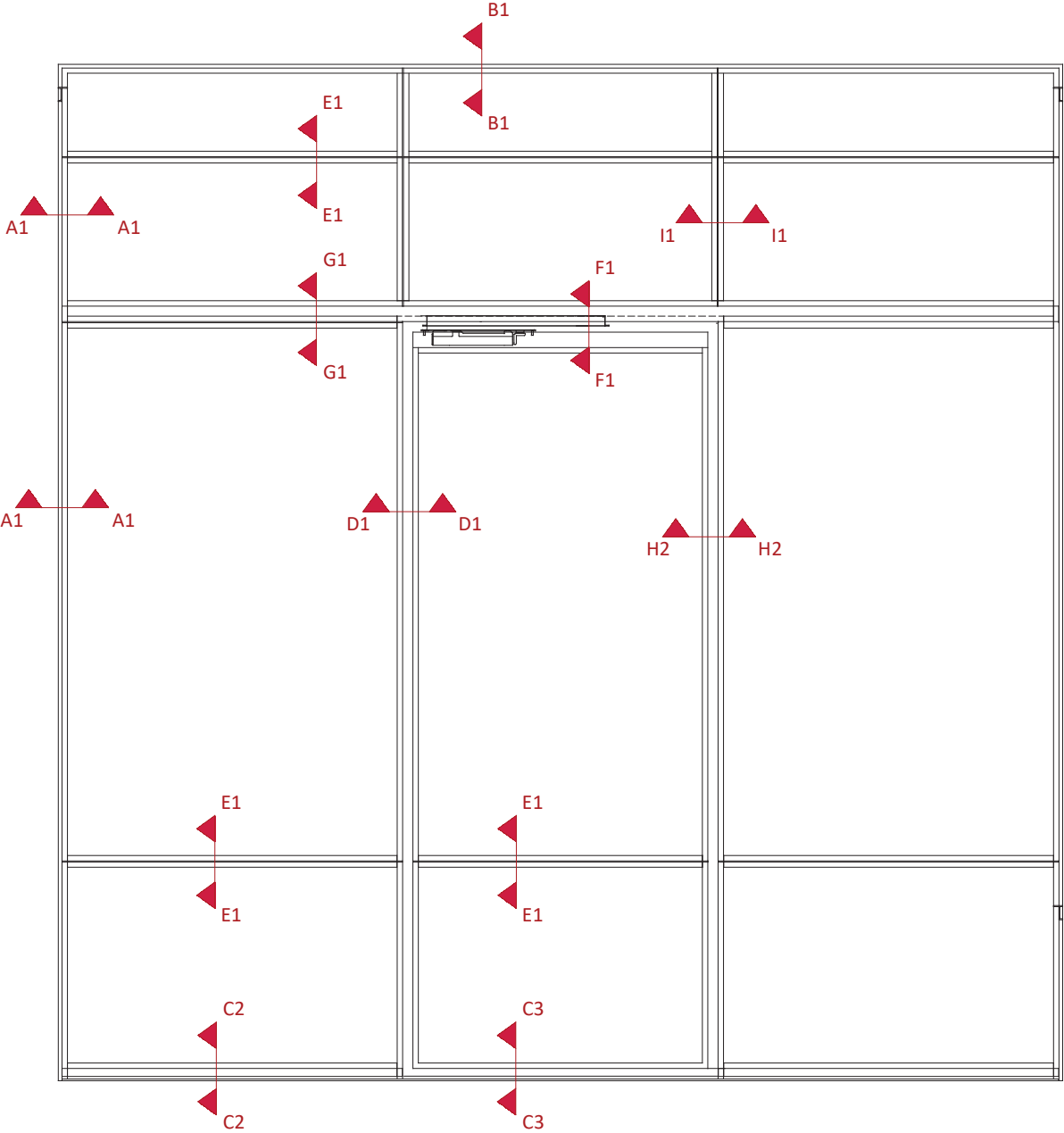
Single leaf door



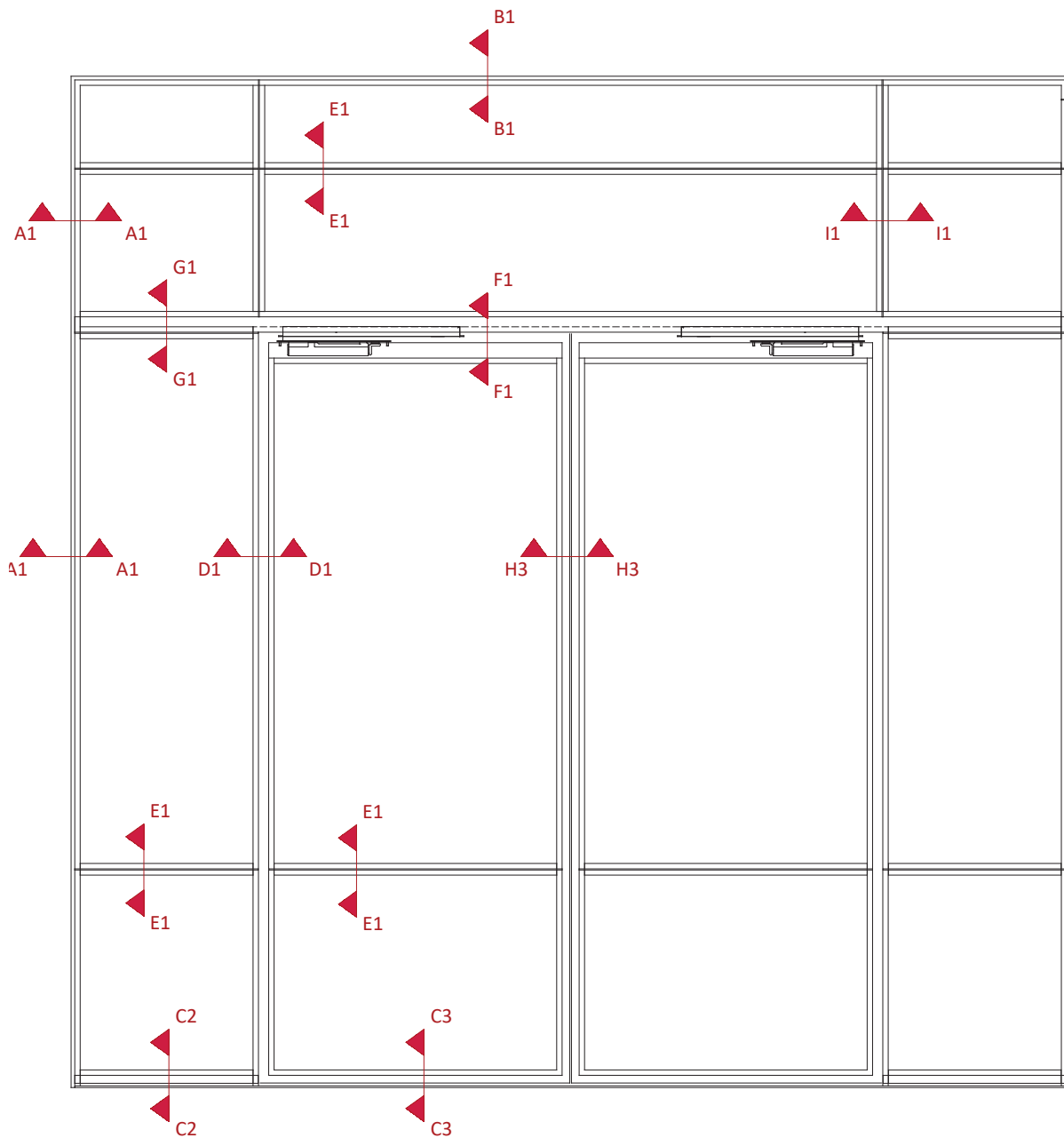
Double leaf door



Single leaf door in partition

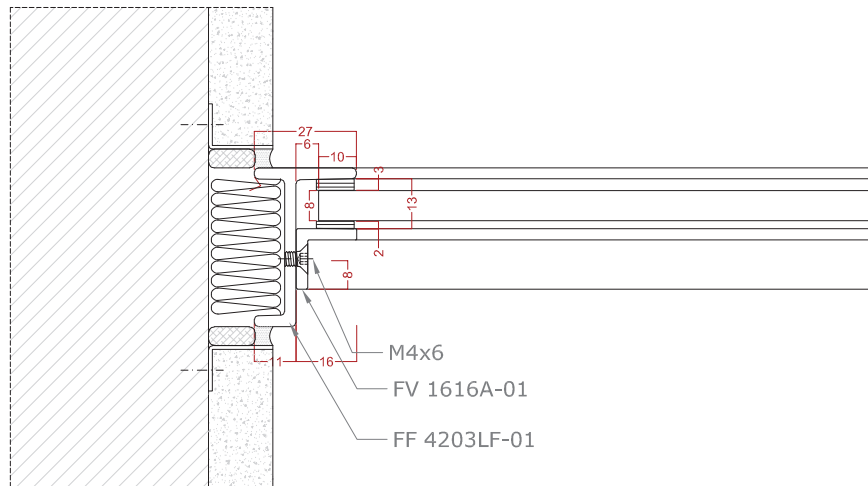


Double leaf door in partition

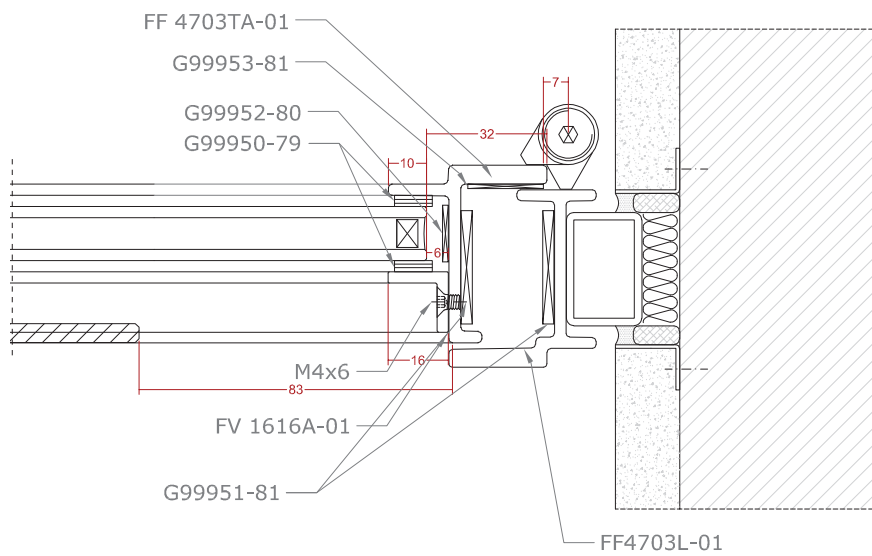


HORIZONTAL DETAILS

Typical section through A1-A1

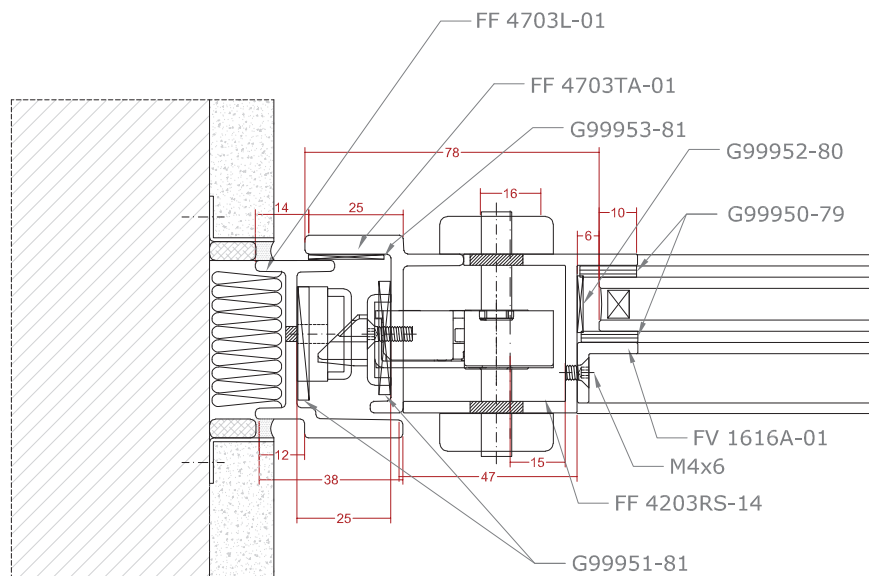


Typical section through A2-A2

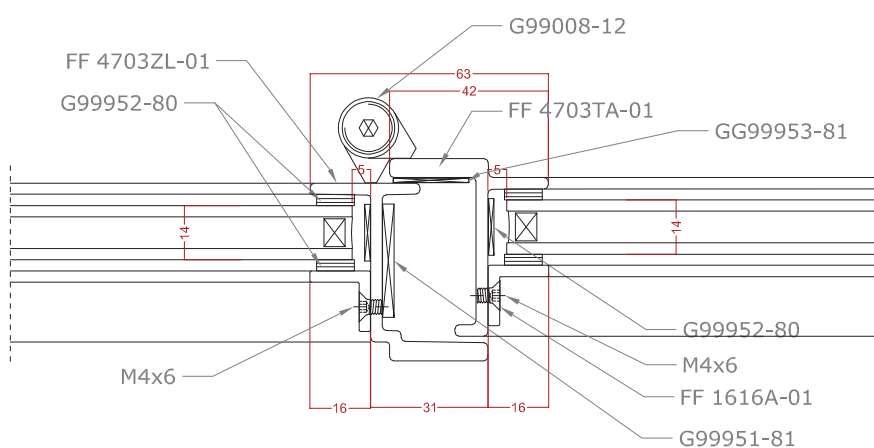


HORIZONTAL DETAILS

Typical section through A3-A3

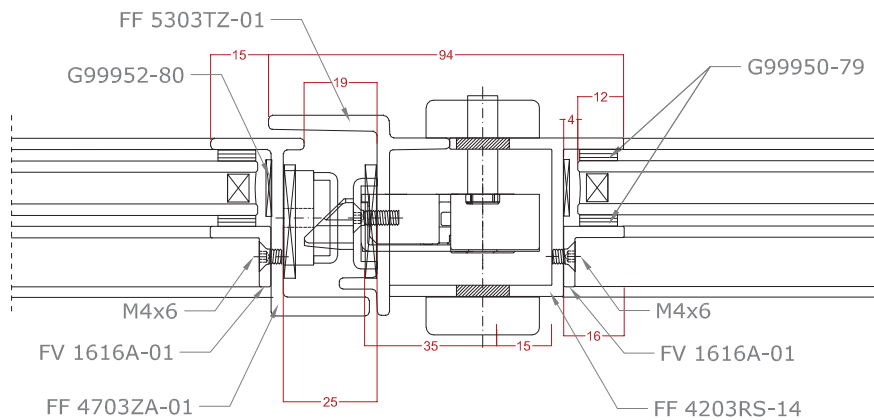


Typical section through D1-D1

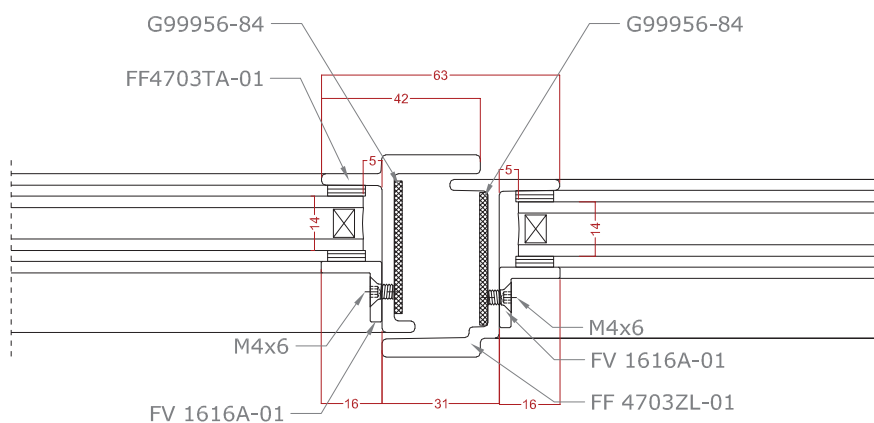


HORIZONTAL DETAILS

Typical section through H1-H1

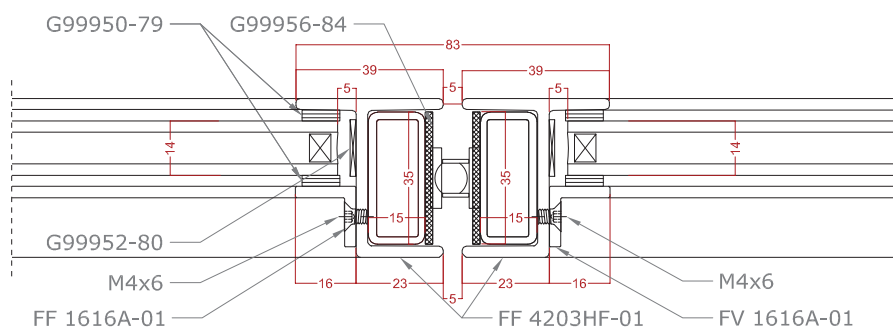


Typical section through H2-H2

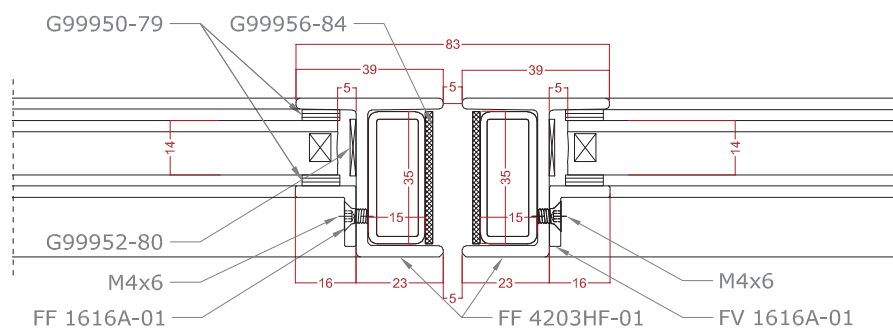


HORIZONTAL DETAILS

Typical section through H3-H3 Option 1

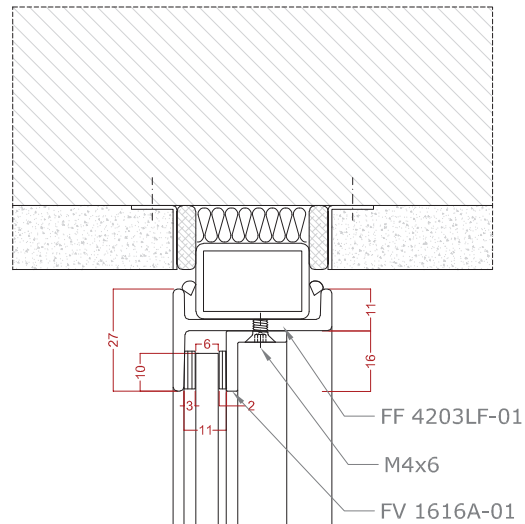


Typical section through H3-H3 Option 2

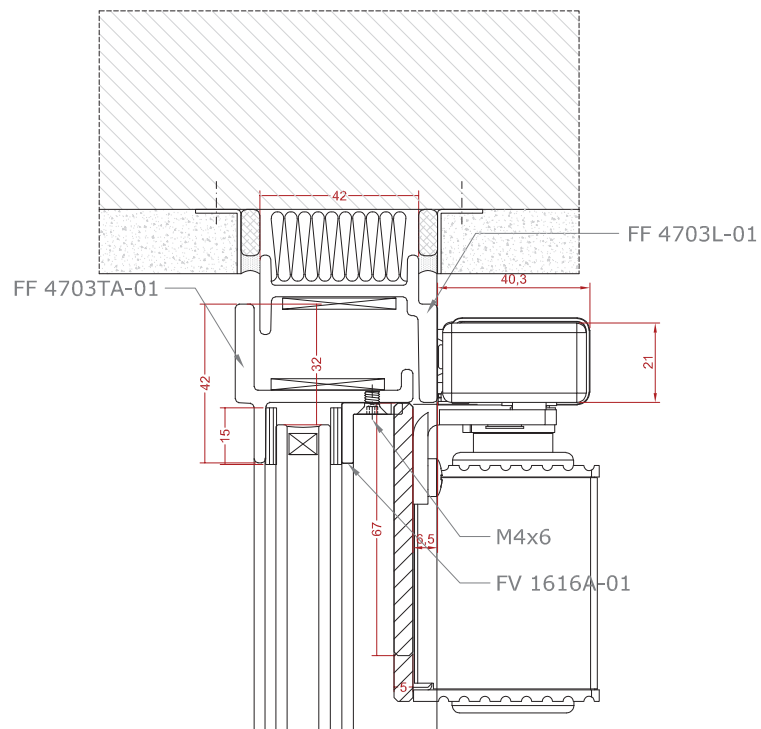


VERTICAL DETAILS

Typical section through B1-B1

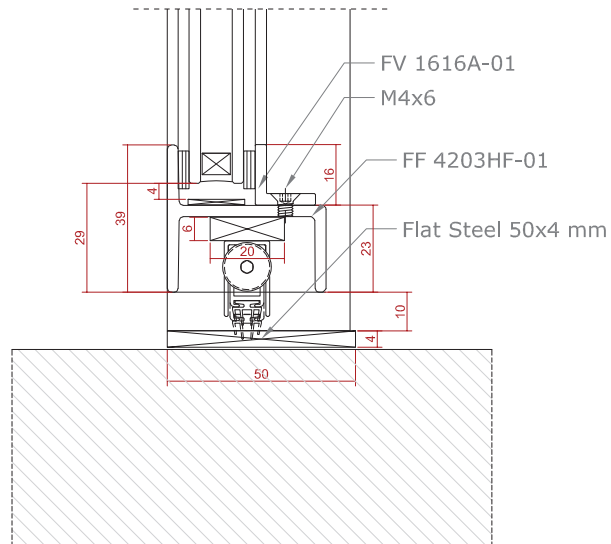


Typical section through B2-B2

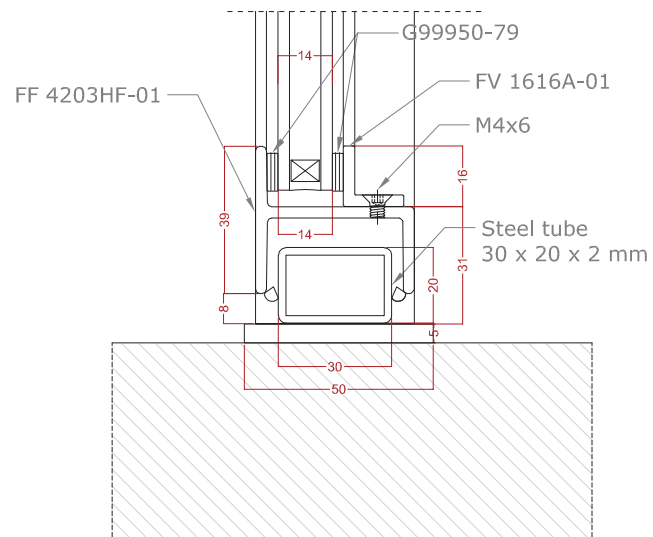


VERTICAL DETAILS

Typical section through C1-C1

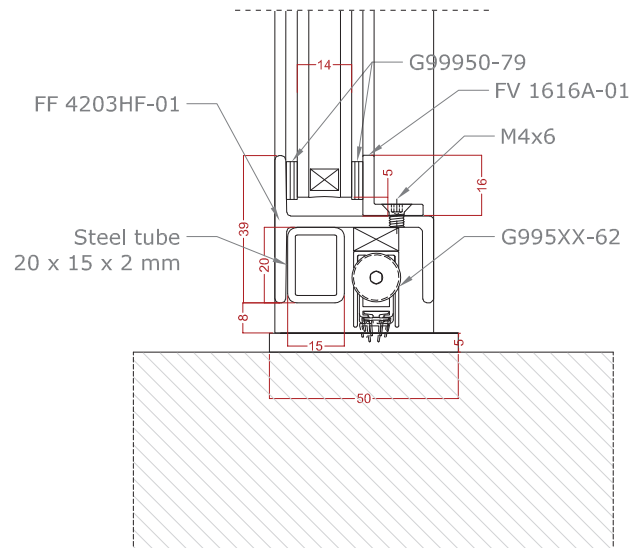


Typical section through C2-C2

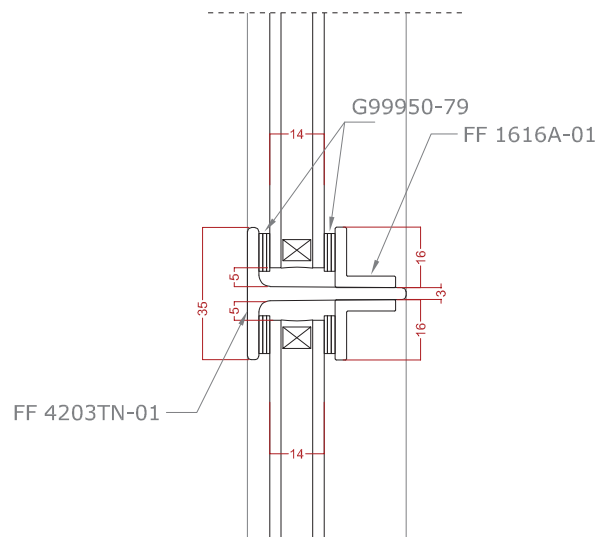


VERTICAL DETAILS

Typical section through C3-C3

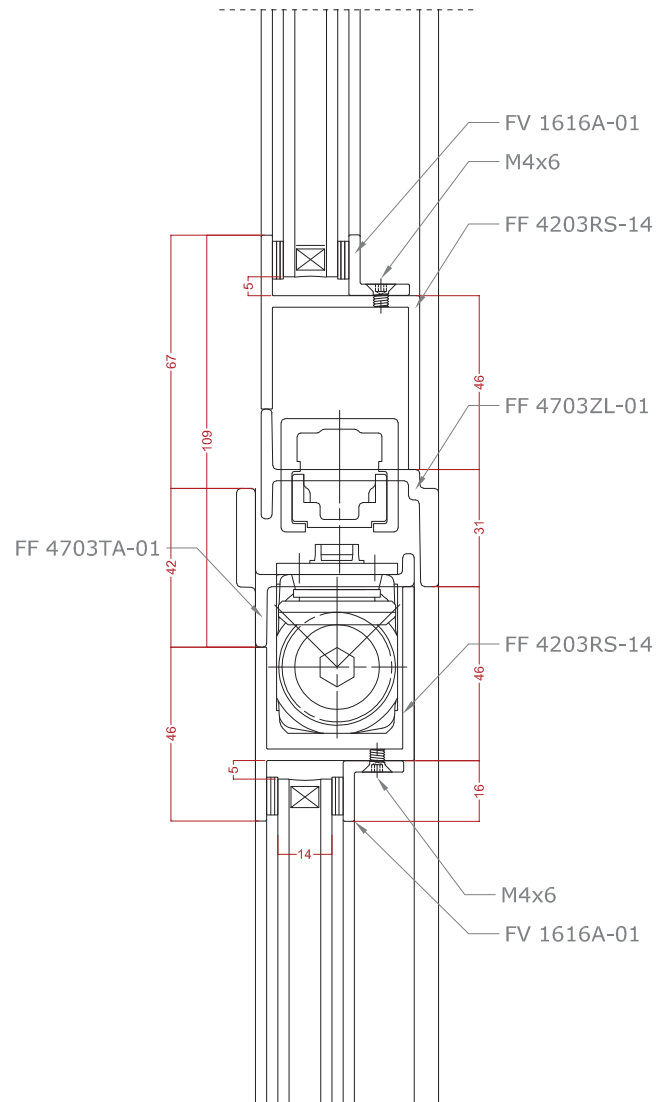


Typical section through E1-E1



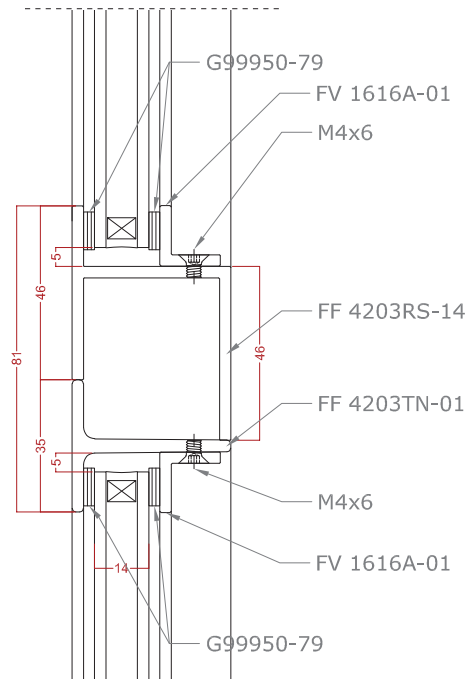
VERTICAL DETAILS

Typical section through F1-F1

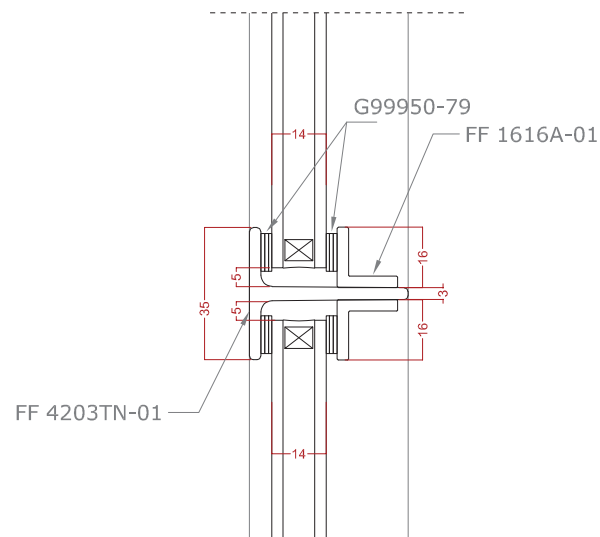


VERTICAL DETAILS

Typical section through G1-G1 Option 1



Typical section through G1-G1 Option 2



METALFORM

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