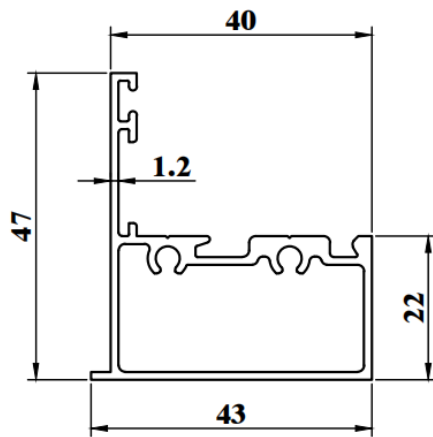
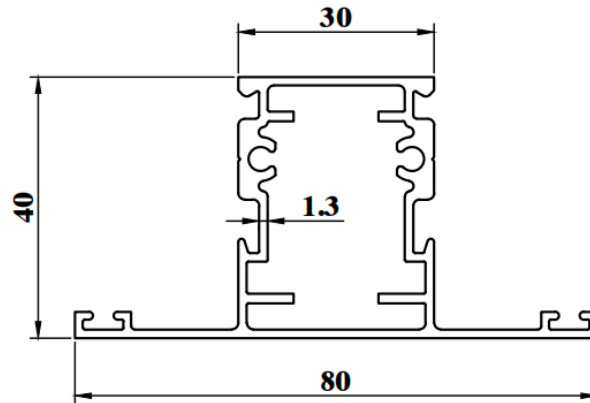
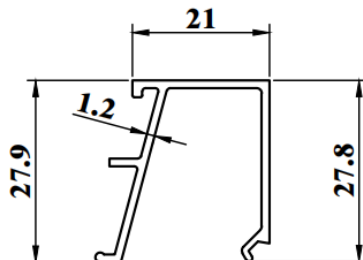




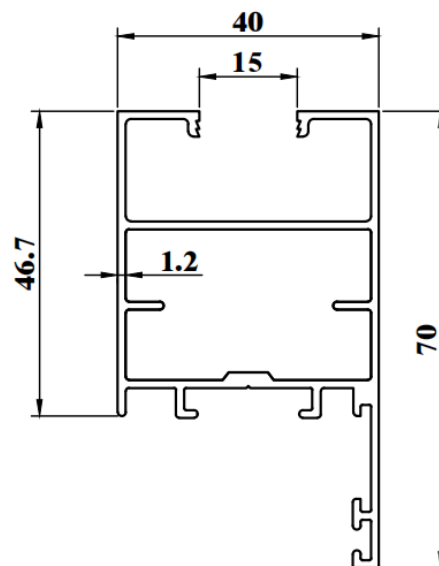
H0023-42
WEIGHT : 0.668 KG/M
AP : 217.88mm



H0023-22
WEIGHT : 1.022 KG/M
AP : 299.41mm

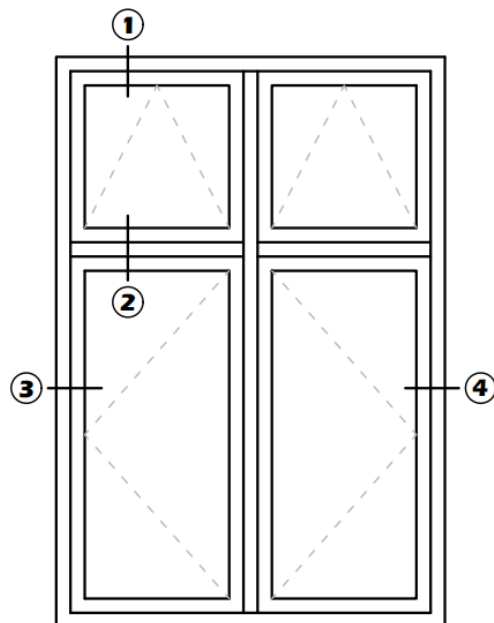


H0023-23
WEIGHT : 0.282 KG/M
AP : 171.95 mm

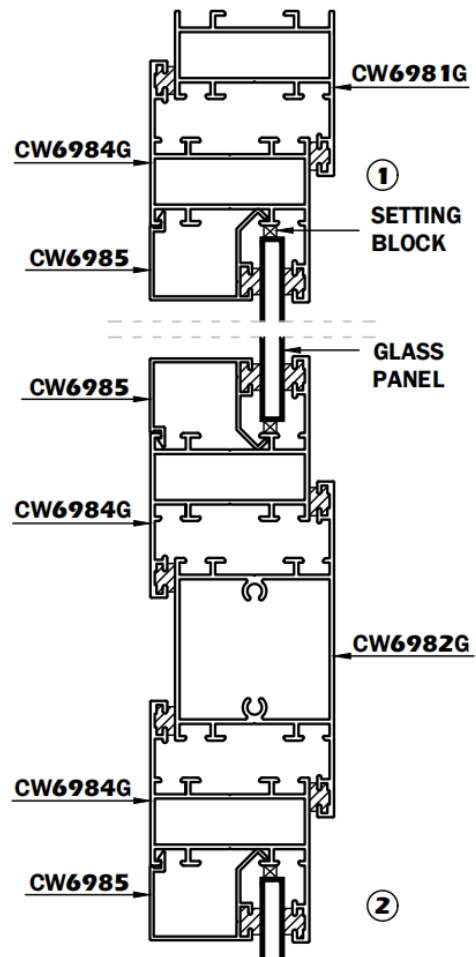


H0023-43
WEIGHT : 0.884 KG/M
AP : 363.94 mm

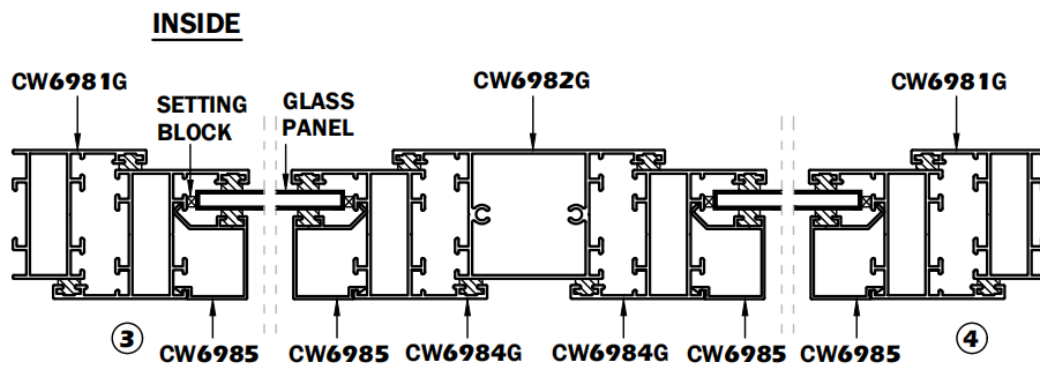
(TYPICAL SECTIONAL DETAILS)



ELEVATION

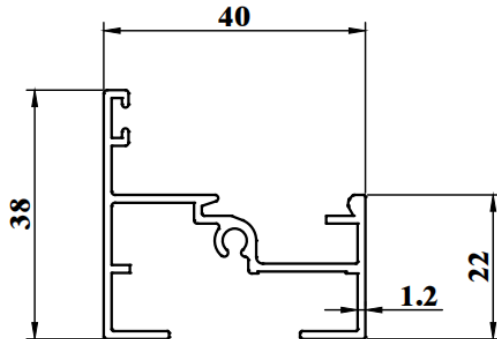


VERTICAL SECTIONS

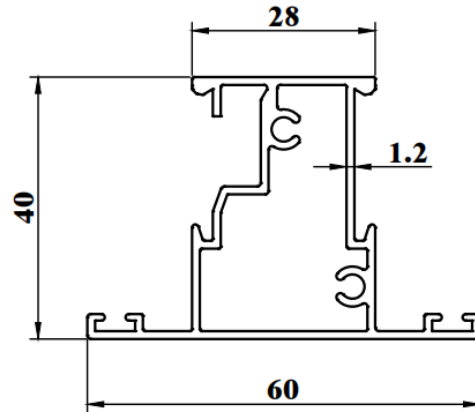


OUTSIDE

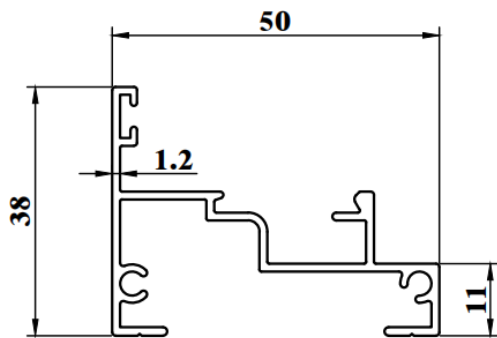
HORIZONTAL SECTIONS



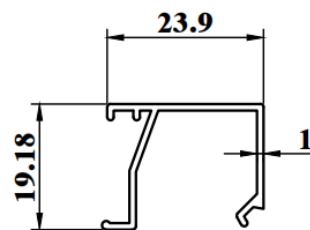
CW6901G
WEIGHT : 0.501 KG/M
AP : 292.65 mm



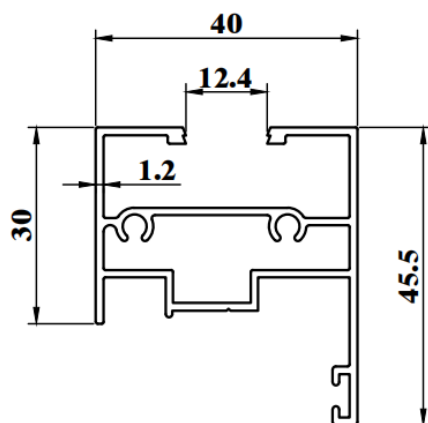
CW6903G
WEIGHT : 0.758 KG/M
AP : 273.94 mm



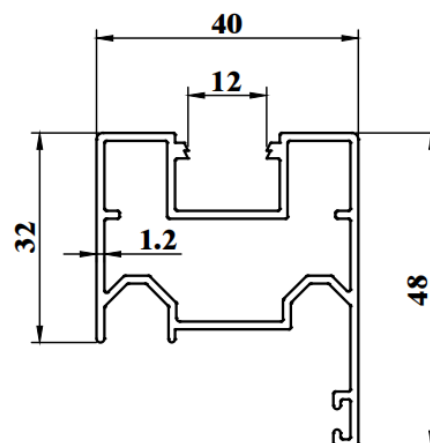
CW0112G
WEIGHT : 0.536 KG/M
AP : 313.15 mm



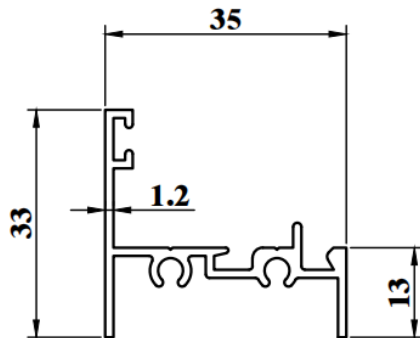
CW6908C
WEIGHT : 0.190 KG/M
AP : 139.01 mm



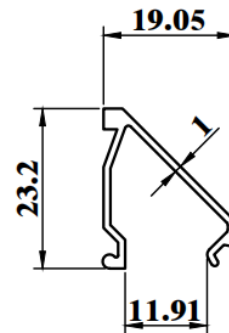
CW0121G
WEIGHT : 0.671 KG/M
AP : 295.84 mm



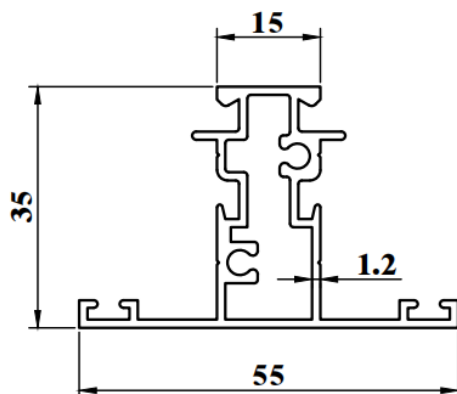
CW6904G
WEIGHT : 0.689 KG/M
AP : 248.02 mm



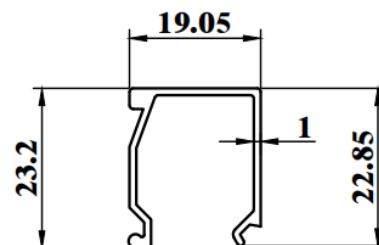
CW041GB
WEIGHT : 0.398 KG/M
AP : 223.40 mm



CW044C
WEIGHT : 0.179 KG/M
AP : 117.13 mm

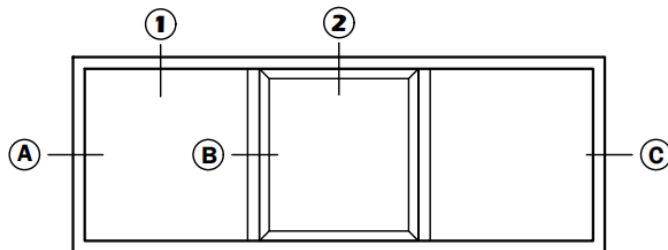


CW 042G
WEIGHT : 0.686 KG/M
AP : 258.17 mm

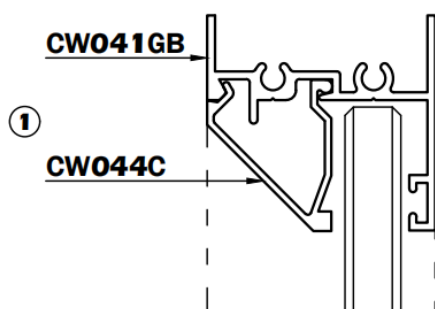


T0011-01
WEIGHT : 0.205 KG/M
AP : 136.71 mm

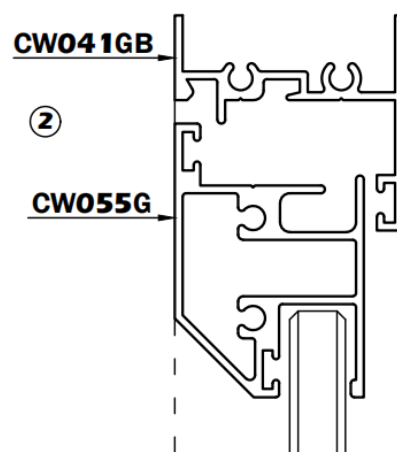
(TYPICAL SECTIONAL DETAILS)



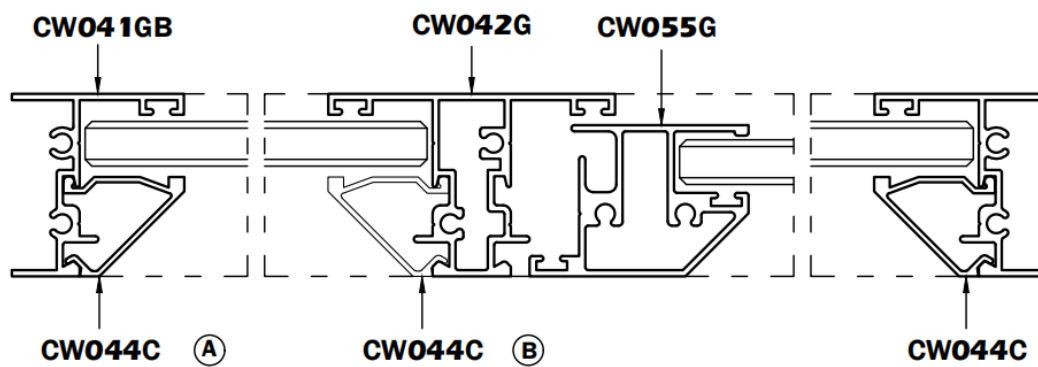
ELEVATION



VERTICAL



VERTICAL



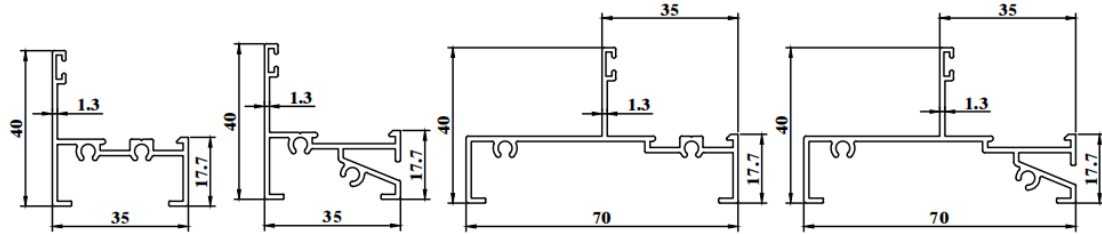
HORIZONTAL SECTIONS

ST PRO ALUMINIUM

SDN BHD

PERFORMANCE CASEMENT WINDOW

(MS PRODUCT) (C-35)

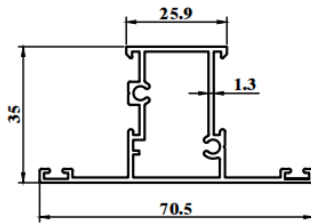


CW3501H
WEIGHT : 0.440 KG/M
AP : 245.15mm

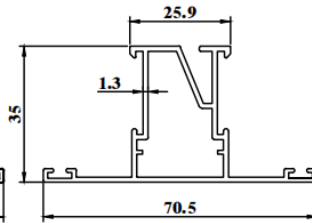
CW3502H
WEIGHT : 0.480 KG/M
AP : 271.35mm

CW3503H
WEIGHT : 0.566 KG/M
AP : 320.56mm

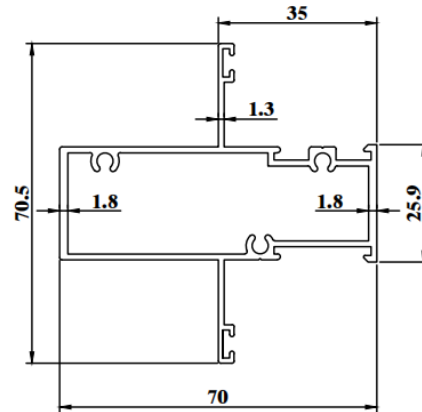
CW3504H
WEIGHT : 0.613 KG/M
AP : 326.42mm



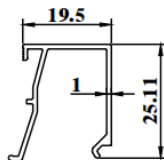
CW3505H
WEIGHT : 0.698 KG/M
AP : 274.20mm



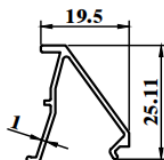
CW3506H
WEIGHT : 0.693 KG/M
AP : 299.18mm



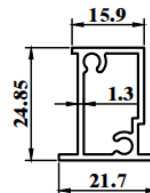
CW3507H
WEIGHT : 1.025 KG/M
AP : 343.77mm



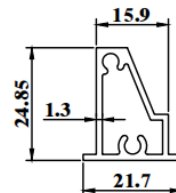
CW3508H
WEIGHT : 0.212 KG/M
AP : 155.15mm



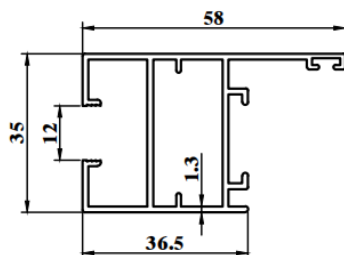
CW3509H
WEIGHT : 0.189 KG/M
AP : 128.78mm



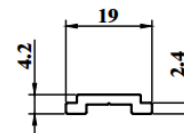
CW3510
WEIGHT : 0.335 KG/M
AP : 98.24mm



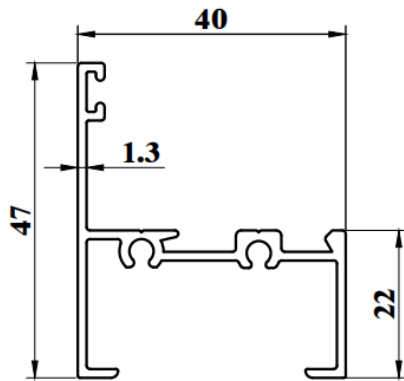
CW3511
WEIGHT : 0.327 KG/M
AP : 88.28mm



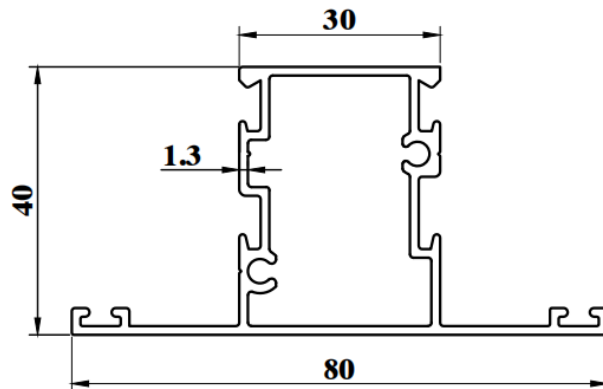
CW3511
WEIGHT : 0.750 KG/M
AP : 317.80mm



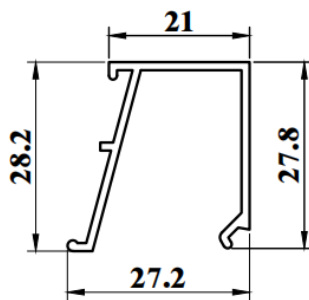
CW6987
WEIGHT : 0.140 KG/M
AP : 49.72 mm

**CW541HB**

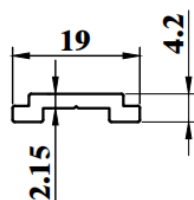
WEIGHT : 0.534 KG/M
AP : 280.15mm

**CW543HB**

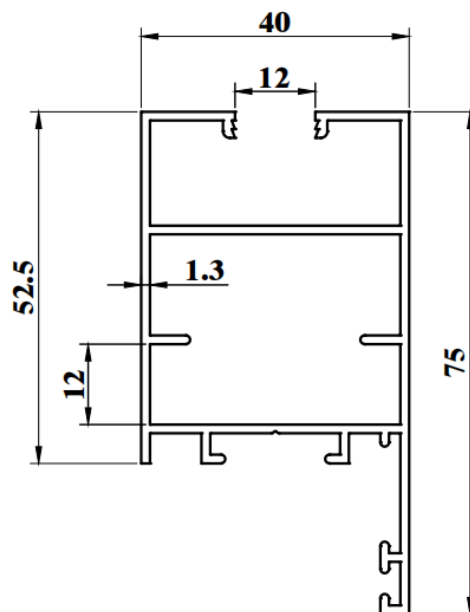
WEIGHT : 0.868 KG/M
AP : 308.76mm

**CW502G**

WEIGHT : 0.274 KG/M
AP : 168.10 mm

**CW6987**

WEIGHT : 0.140 KG/M
AP : 49.72 mm

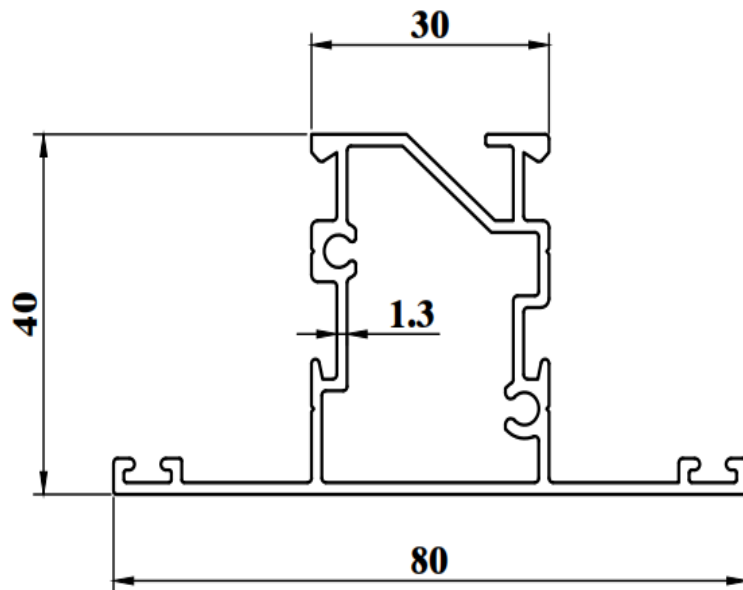
**CW503HB**

WEIGHT : 0.956 KG/M
AP : 388.54mm

ST PRO ALUMINIUM

SDN BHD

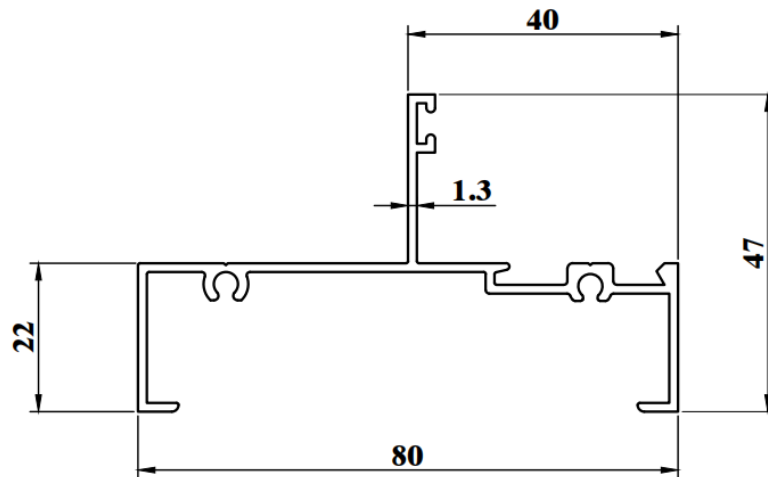
PERFORMANCE CASEMENT WINDOW (C-39)



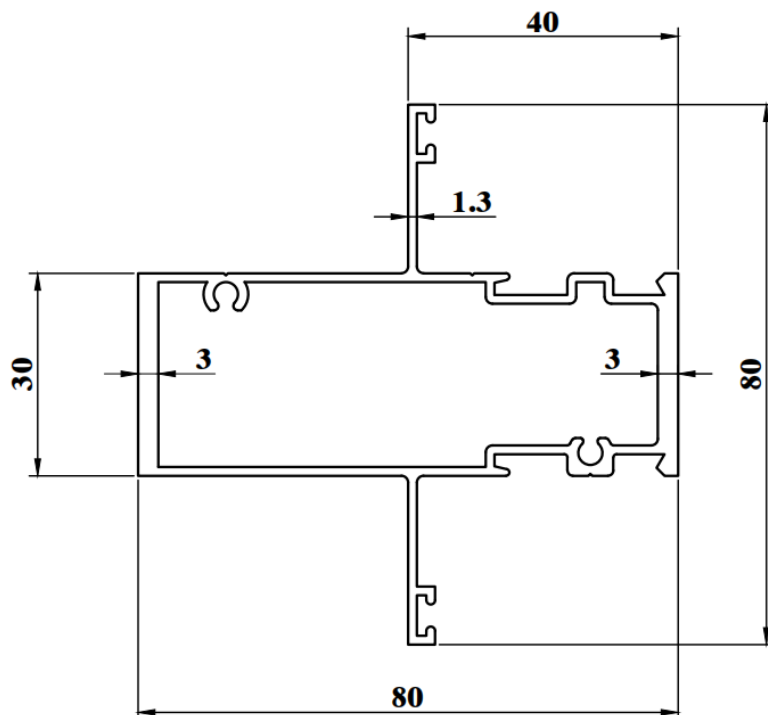
CW544HB

WEIGHT : 0.883 KG/M

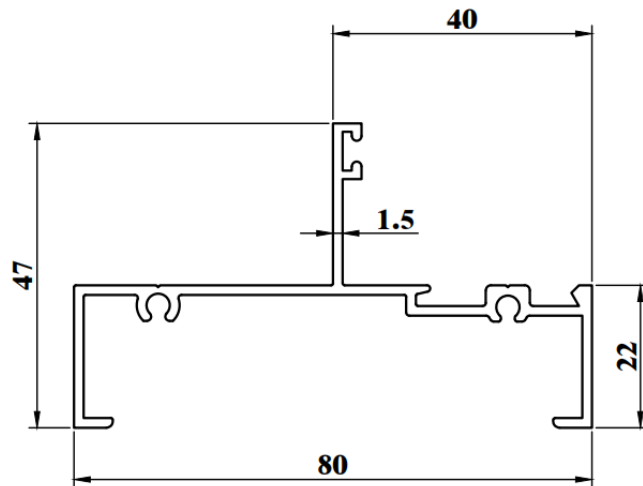
AP : 319.43 mm



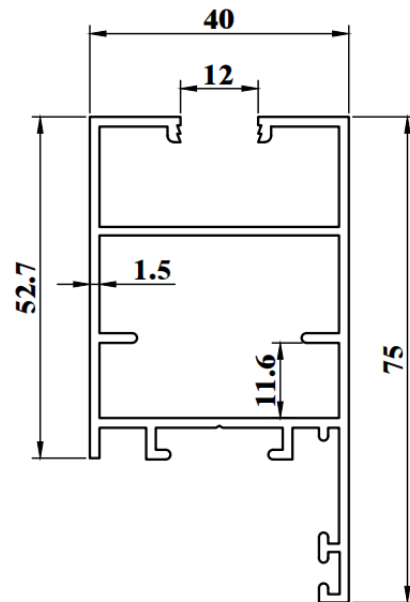
CW504HB
WEIGHT : 0.686 KG/M
AP : 367.81 mm



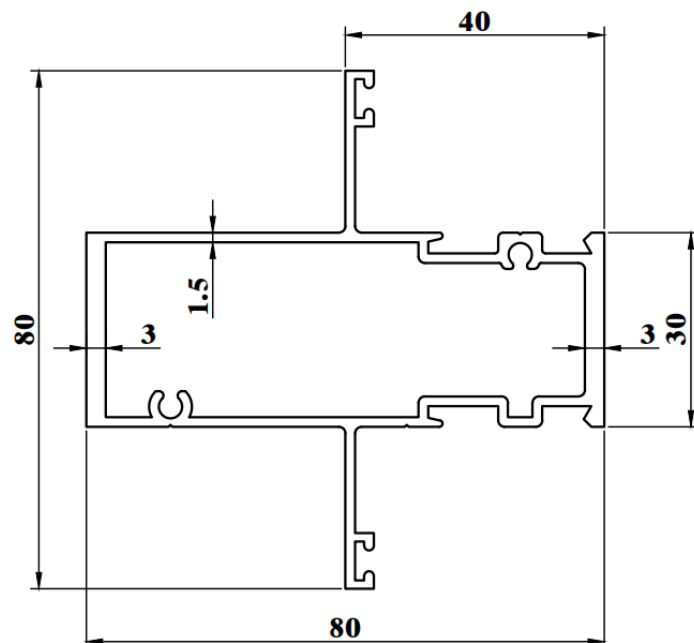
CW507HB
WEIGHT : 1.373 KG/M
AP : 381.62 mm



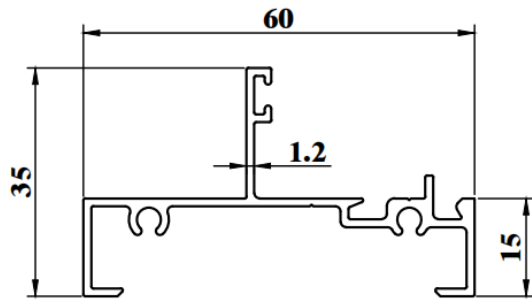
CW504K
WEIGHT : 0.764 KG/M
AP : 366.51 mm



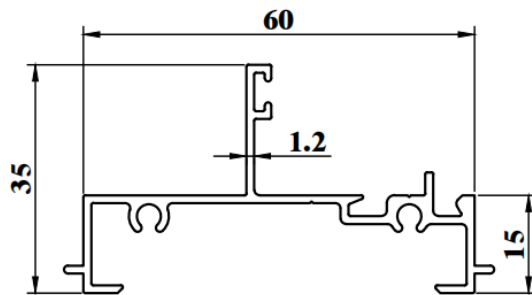
CW503K
WEIGHT : 1.072 KG/M
AP : 386.19 mm



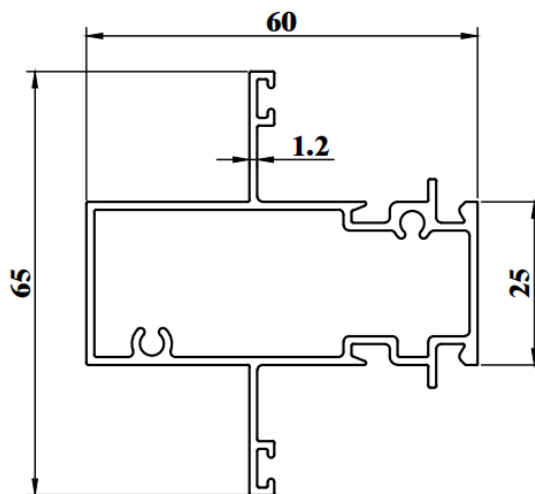
CW507K
WEIGHT : 1.486 KG/M
AP : 383.28 mm



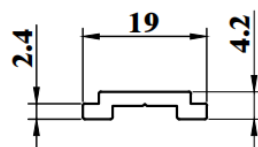
CW046G
WEIGHT : 0.520 KG/M
AP : 293.92 mm



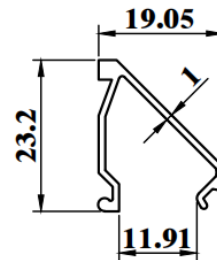
K0007-01
WEIGHT : 0.539 KG/M
AP : 304.89 mm



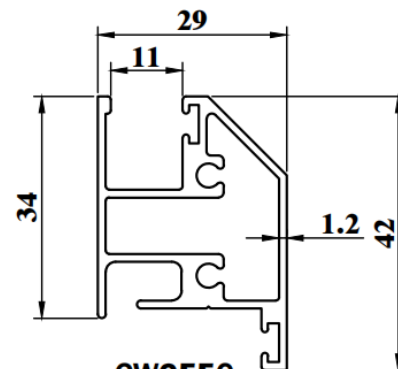
CW047G
WEIGHT : 0.891 KG/M
AP : 320.35 mm



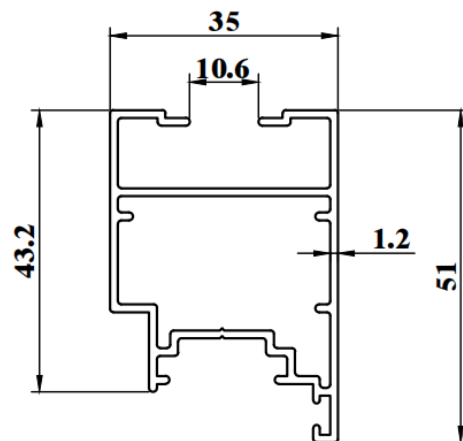
CW6987
WEIGHT : 0.140 KG/M
AP : 49.72 mm



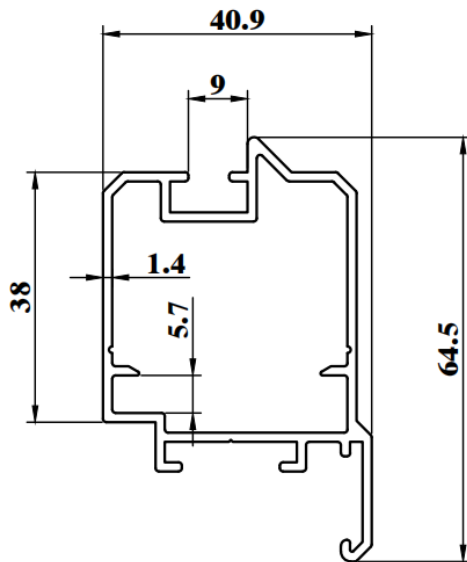
CW044C
WEIGHT : 0.179 KG/M
AP : 117.13 mm



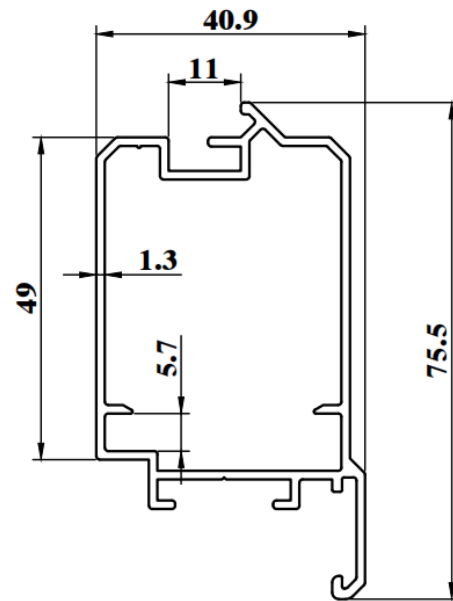
CW055G
WEIGHT : 0.678 KG/M
AP : 211.67 mm



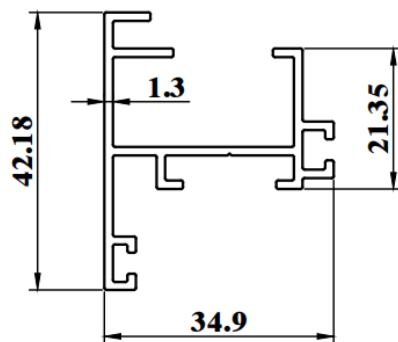
CW052G
WEIGHT : 0.682 KG/M
AP : 272.13 mm



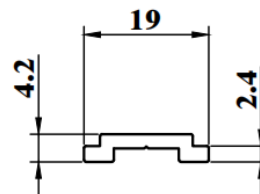
PCW6
WEIGHT : 0.850 KG/M
AP : 261.85 mm



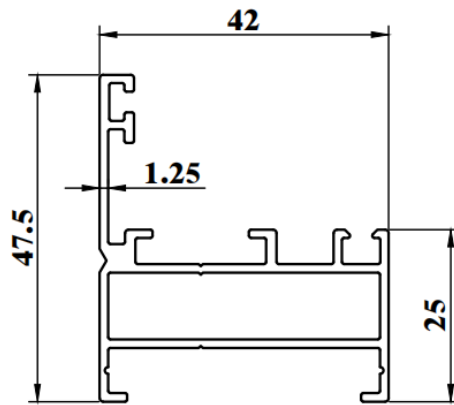
A0033-07
WEIGHT : 0.870 KG/M
AP : 286.93 mm



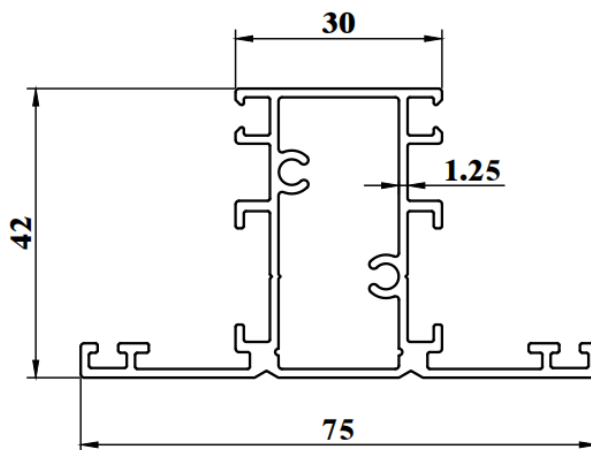
PCW4H
WEIGHT : 0.500 KG/M
AP : 279.77 mm



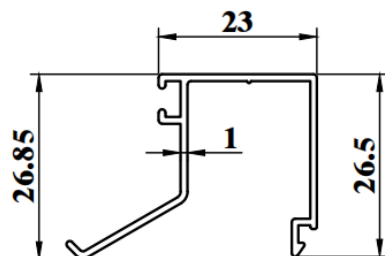
CW6987
WEIGHT : 0.140 KG/M
AP : 49.72 mm



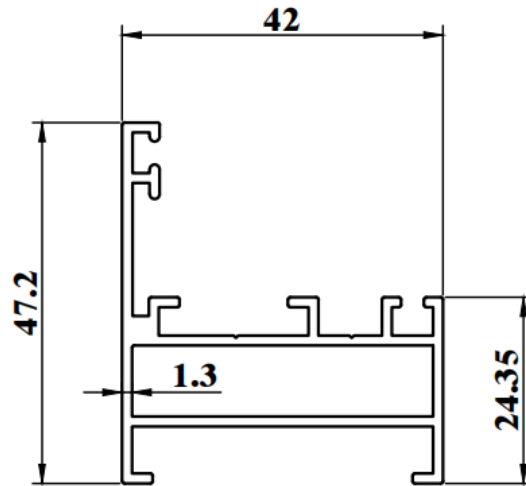
PCW21
WEIGHT : 0.675 KG/M
AP : 275.79 mm



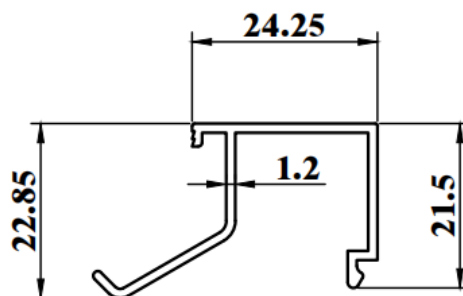
PCW22
WEIGHT : 0.965 KG/M
AP : 368.60 mm



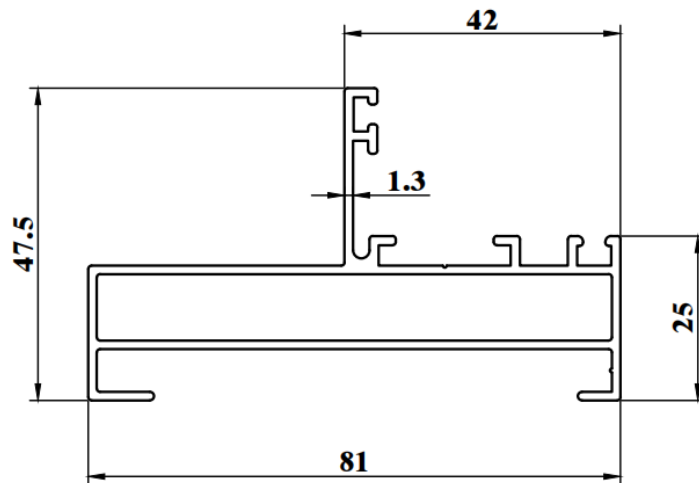
14mm Bead
PCW14
WEIGHT : 0.252 KG/M
AP : 188.09 mm



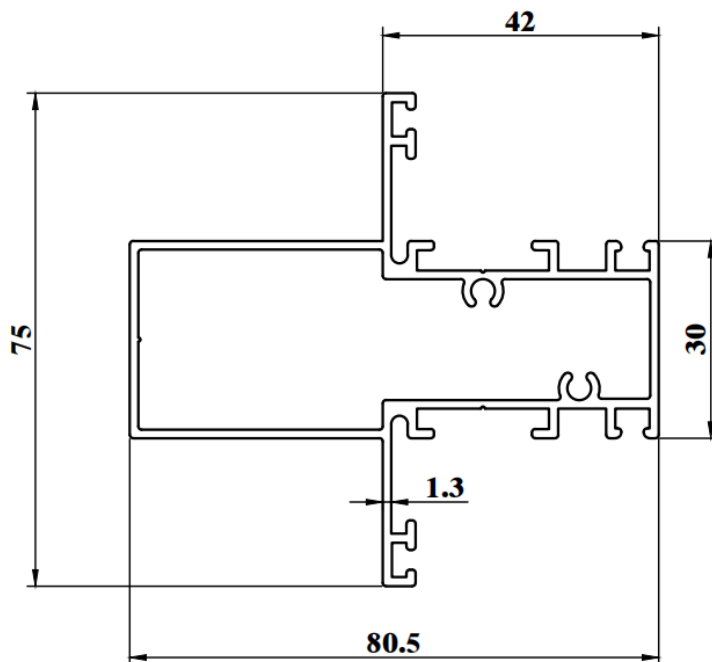
PCW1H
WEIGHT : 0.682 KG/M
AP : 273.81 mm



PCW0
WEIGHT : 0.271 KG/M
AP : 167.82 mm



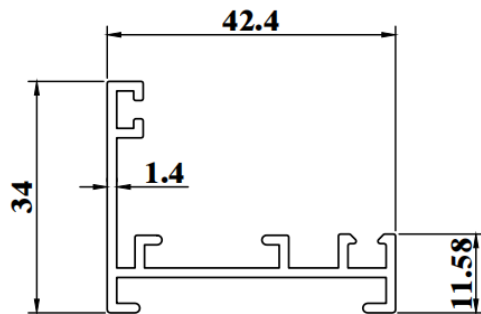
T0045-14
WEIGHT : 0.987 KG/M
AP : 363.56 mm



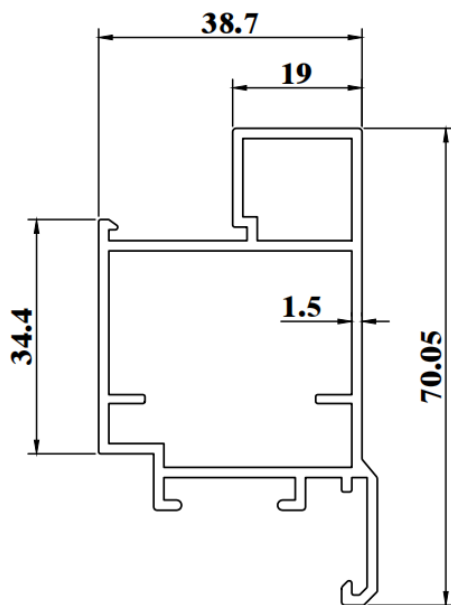
T0045-15
WEIGHT : 1.281 KG/M
AP : 441.22 mm

ST PRO ALUMINIUM
SDN BHD

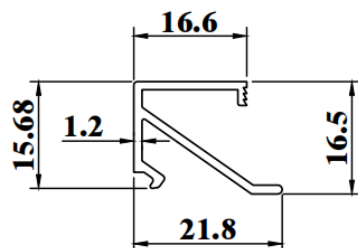
PERFORMANCE CASEMENT WINDOW
(CONCEAL HINGES) (MULTIPOINT)



PCW 31 J
WEIGHT : 0.468 KG/M
AP : 246.18mm

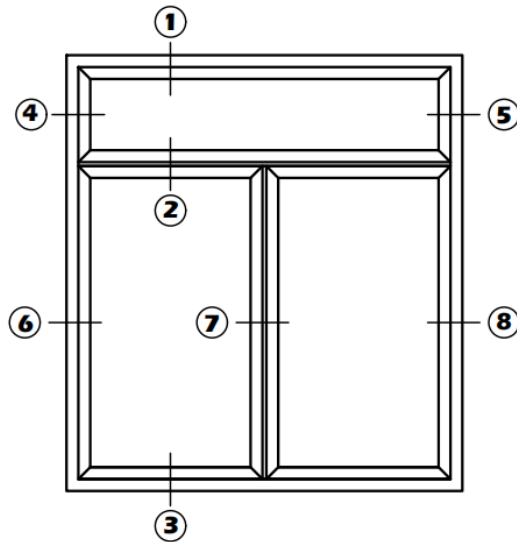


PCW 32 K
WEIGHT : 1.004 KG/M
AP : 272.83mm



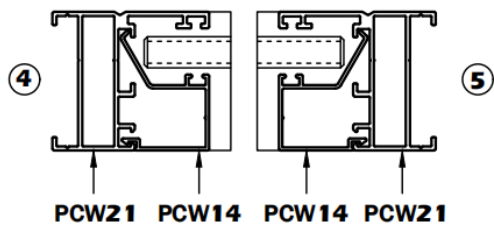
PCW 33 G
WEIGHT : 0.195 KG/M
AP : 121.80mm

(TYPICAL SECTIONAL DETAILS)

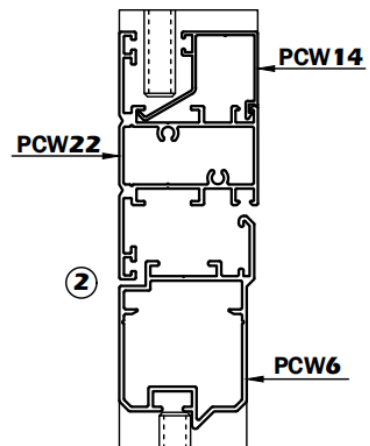
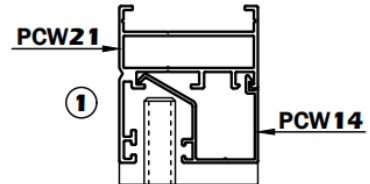
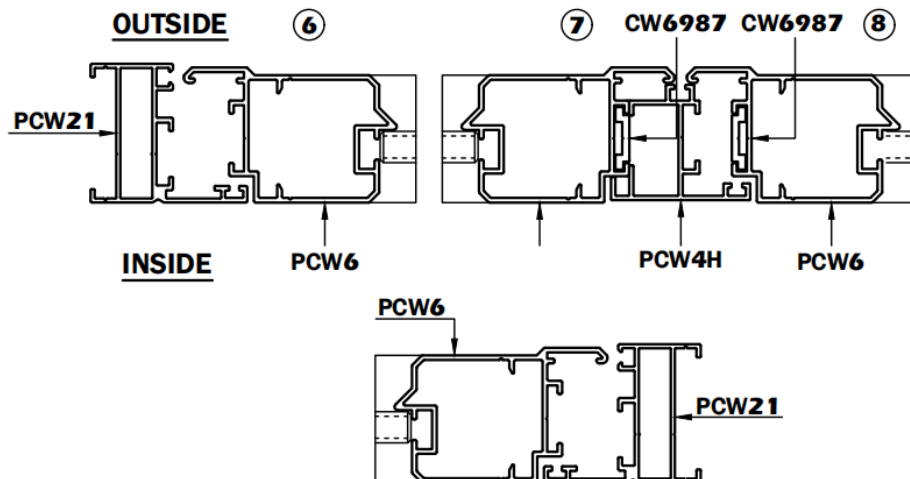


ELEVATION

OUTSIDE

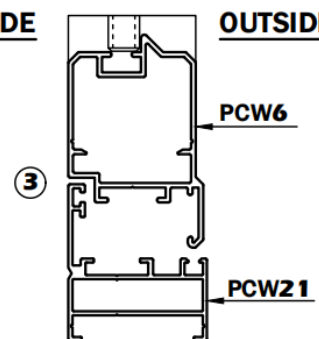


INSIDE

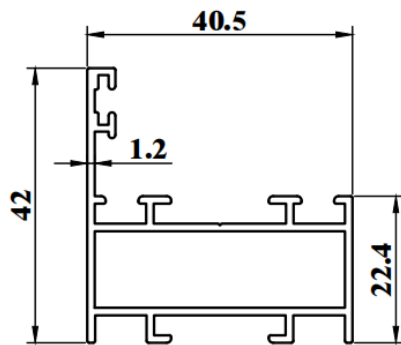


INSIDE

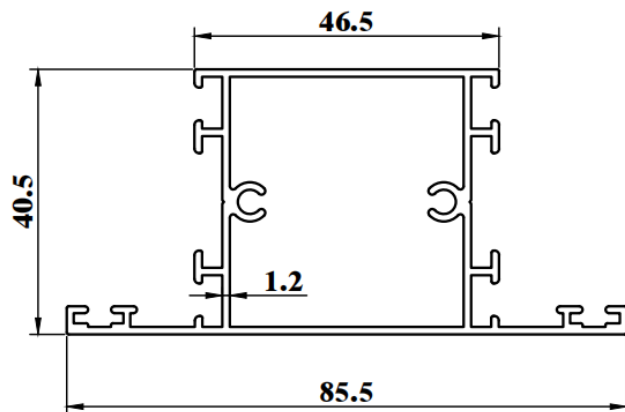
OUTSIDE



(OUTER)

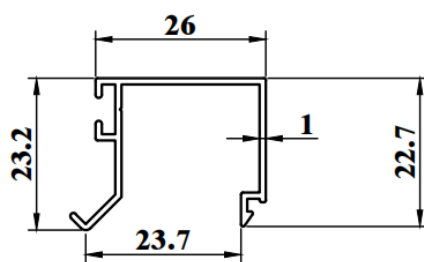


CW6981G
WEIGHT : 0.601 KG/M
AP : 264.51 mm



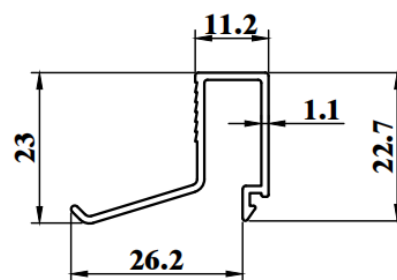
CW6982G
WEIGHT : 0.965 KG/M
AP : 383.88 mm

10.20mm Bead

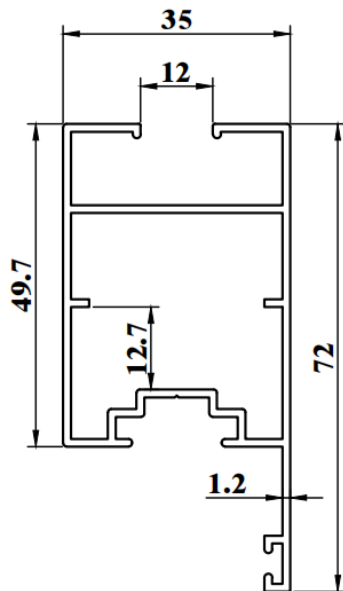


CW6985
WEIGHT : 0.231 KG/M
AP : 170.94 mm

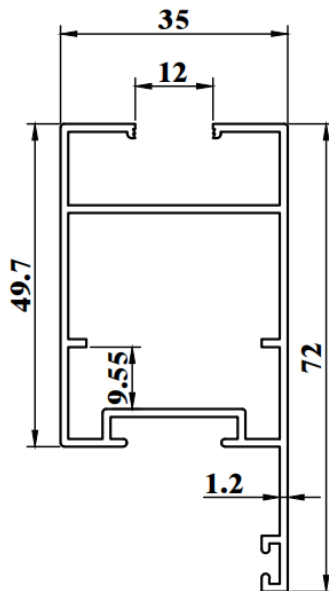
25mm Bead



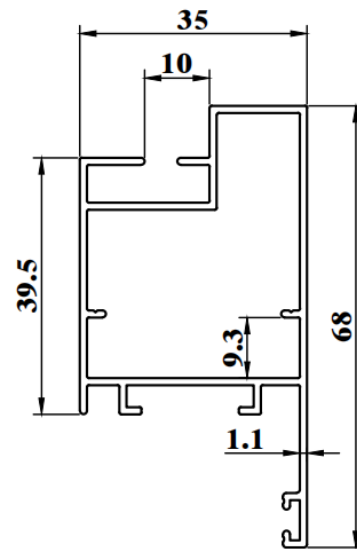
CW6990E
WEIGHT : 0.224 KG/M
AP : 149.42 mm



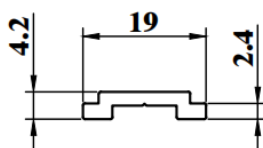
CW891G
WEIGHT : **0.792 KG/M**
AP : **324.30 mm**



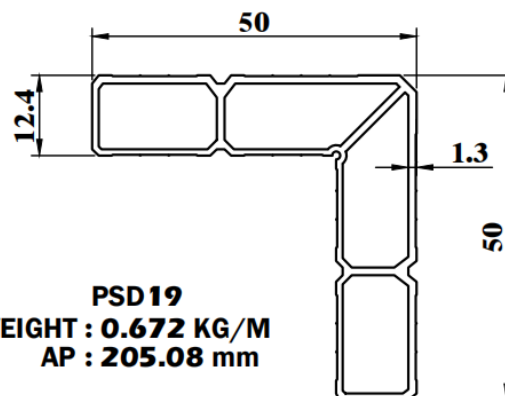
CW892G
WEIGHT : **0.773 KG/M**
AP : **319.04 mm**



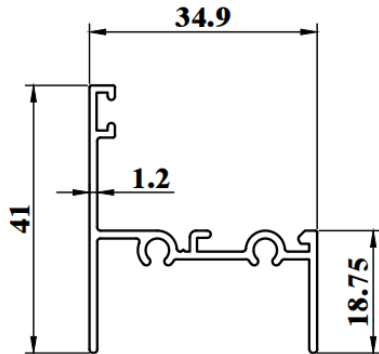
CW893E
WEIGHT : **0.681 KG/M**
AP : **294.86 mm**



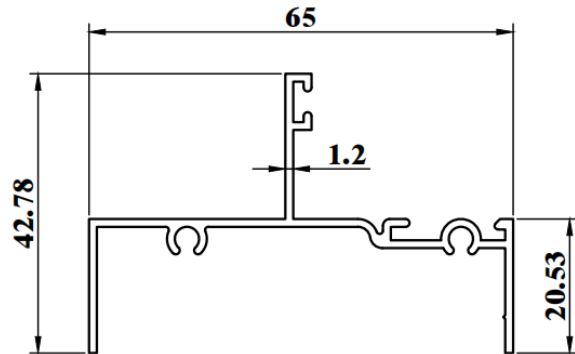
CW6987
WEIGHT : **0.140 KG/M**
AP : **49.72 mm**



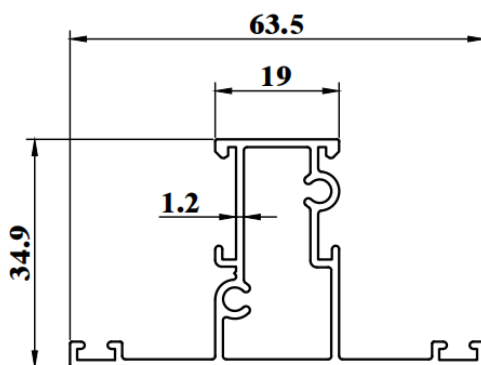
PSD19
WEIGHT : **0.672 KG/M**
AP : **205.08 mm**



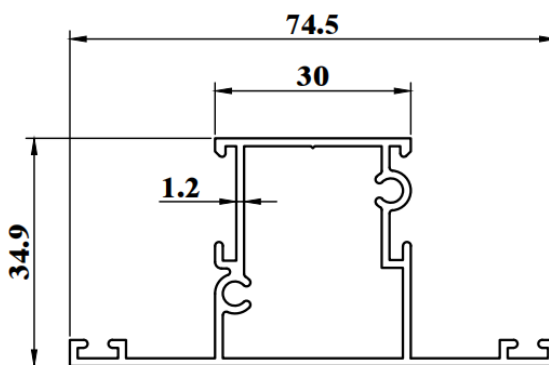
CW760G
WEIGHT : 0.390 KG/M
AP : 237.36 mm



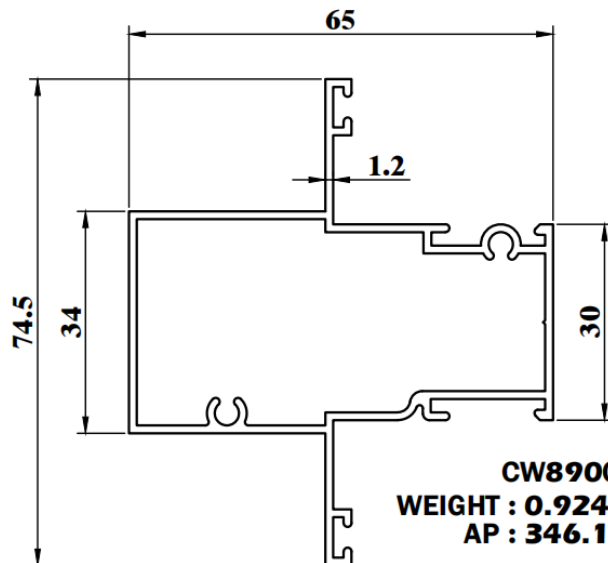
CW889G
WEIGHT : 0.522 KG/M
AP : 313.97 mm



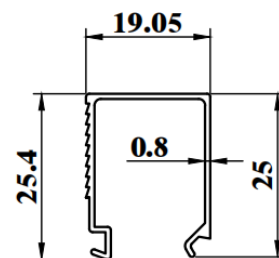
CW762G
WEIGHT : 0.615 KG/M
AP : 257.56 mm



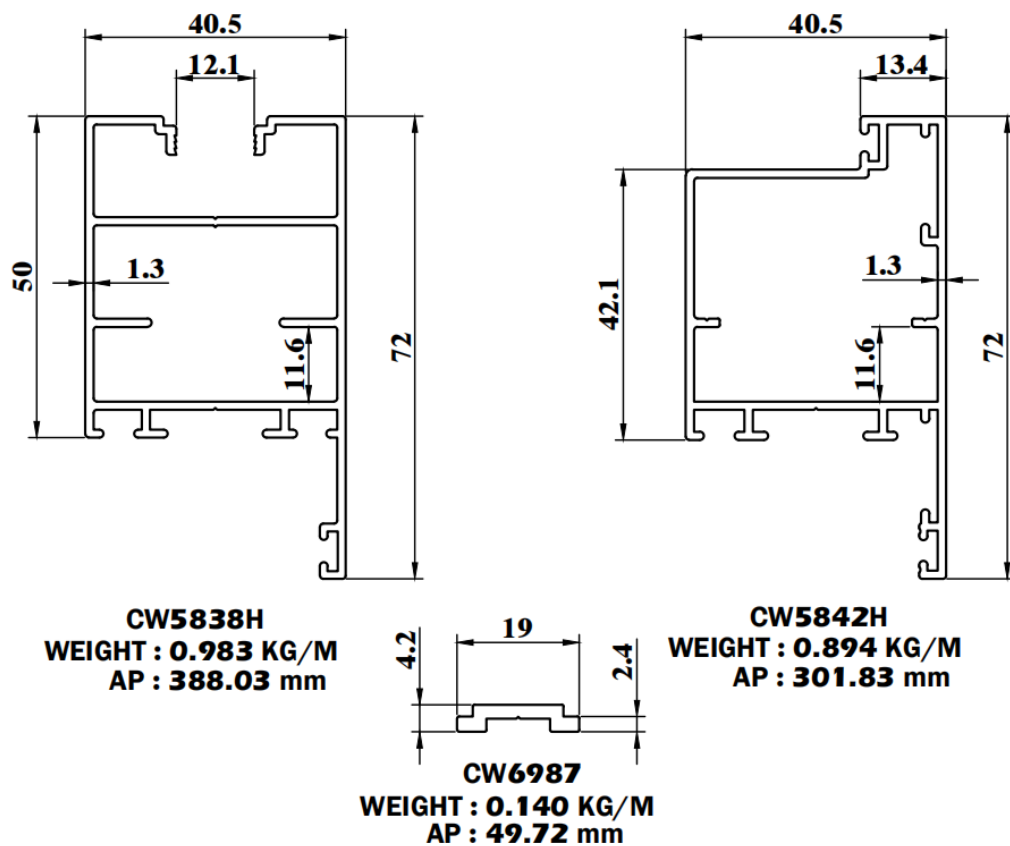
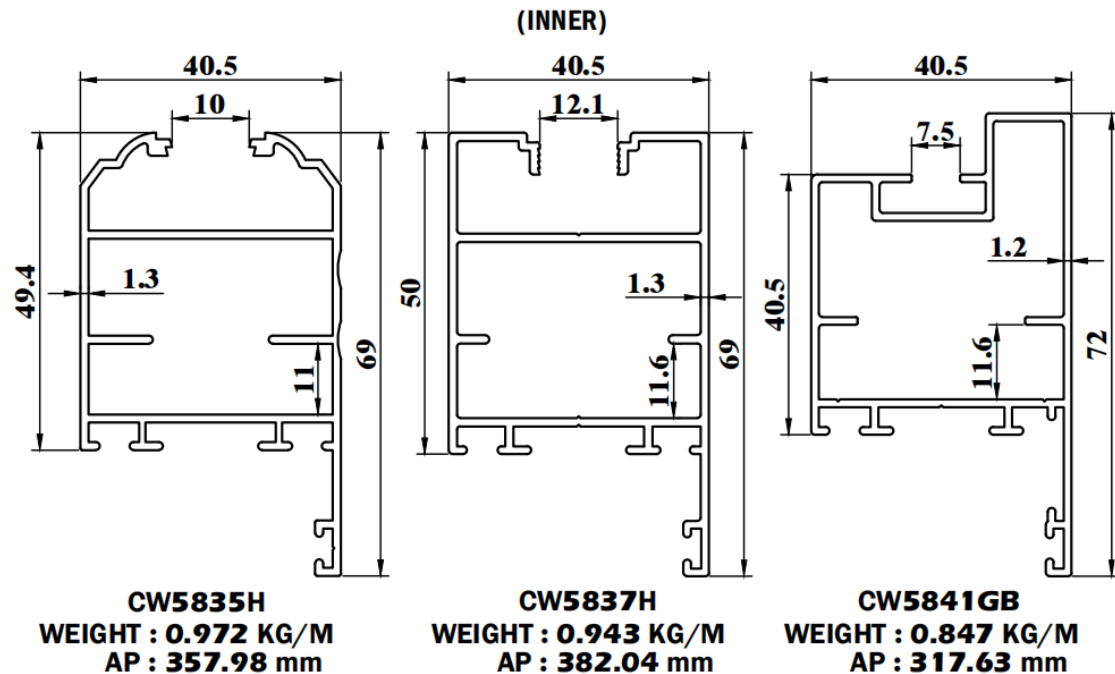
CW898G
WEIGHT : 0.707 KG/M
AP : 285.50 mm



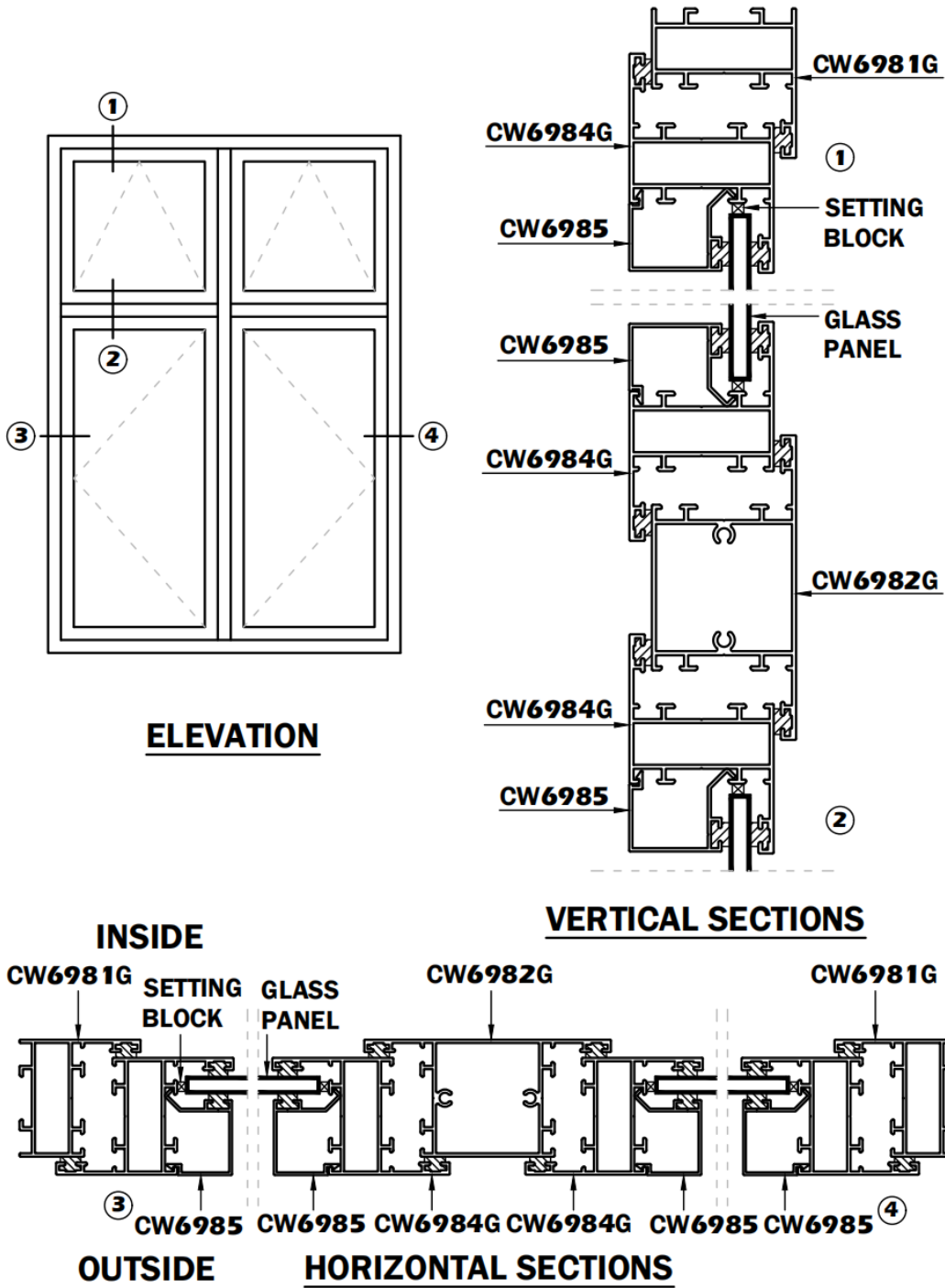
CW890G
WEIGHT : 0.924 KG/M
AP : 346.13 mm

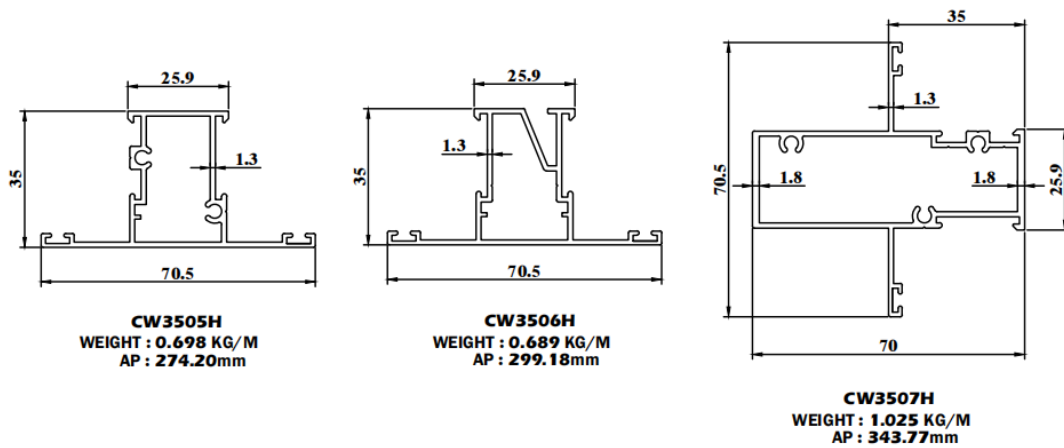
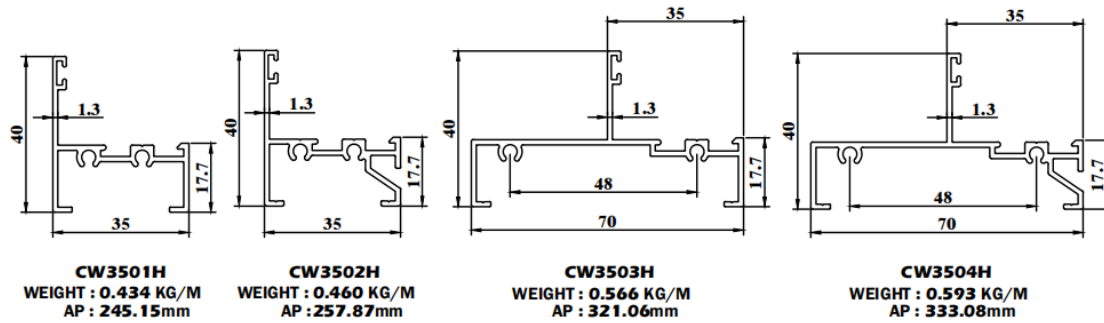


CW372
WEIGHT : 0.179 KG/M
AP : 154.01 mm

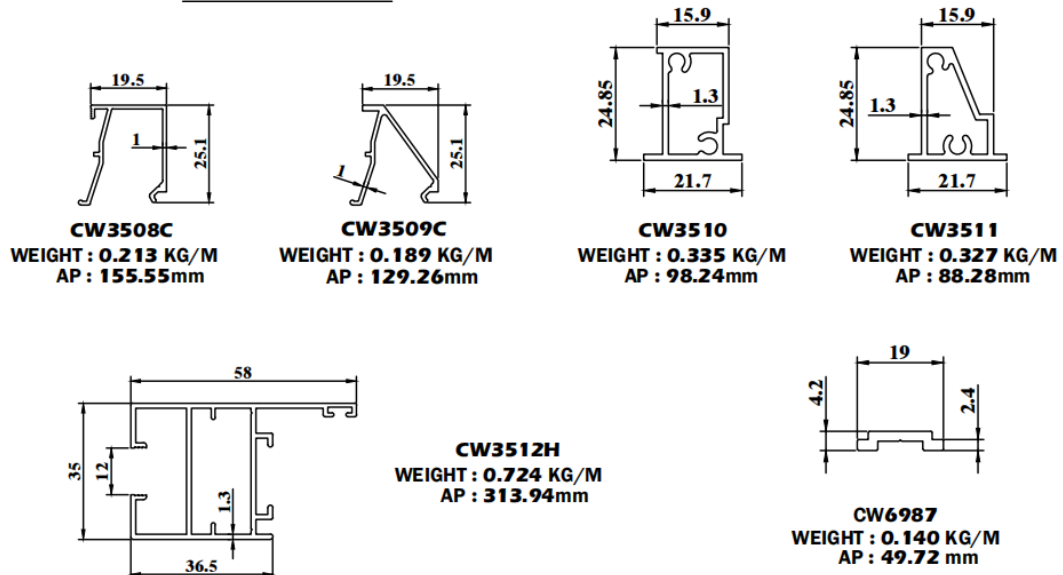


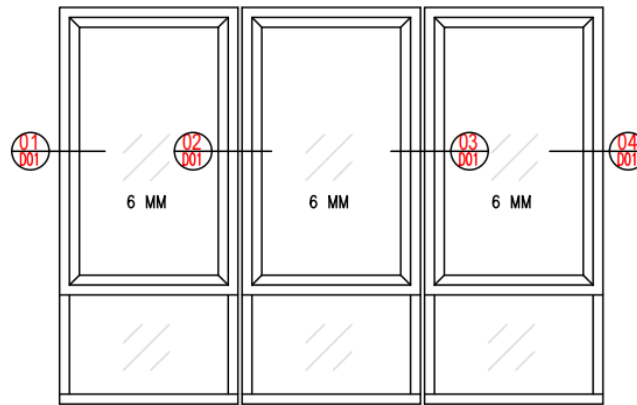
(TYPICAL SECTIONAL DETAILS)



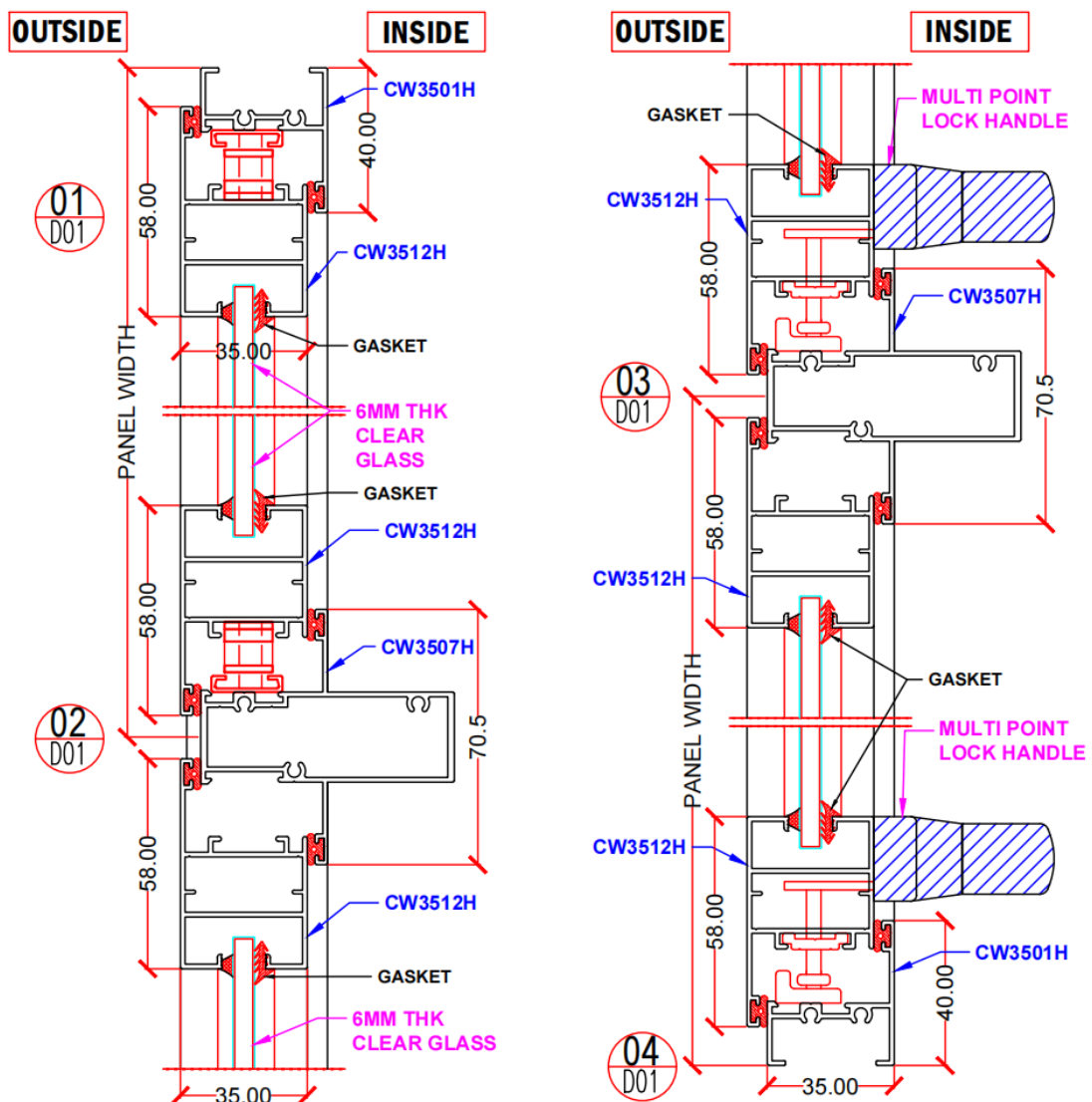


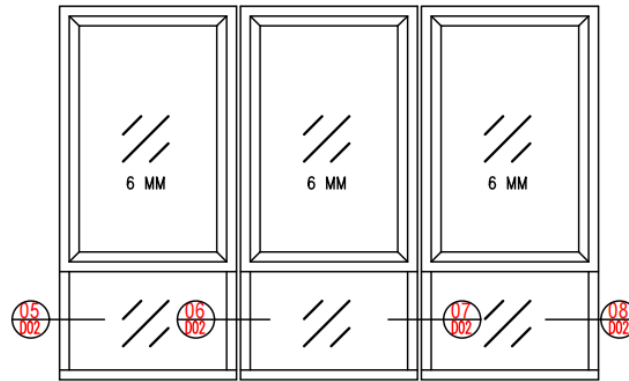
12MM BEAD



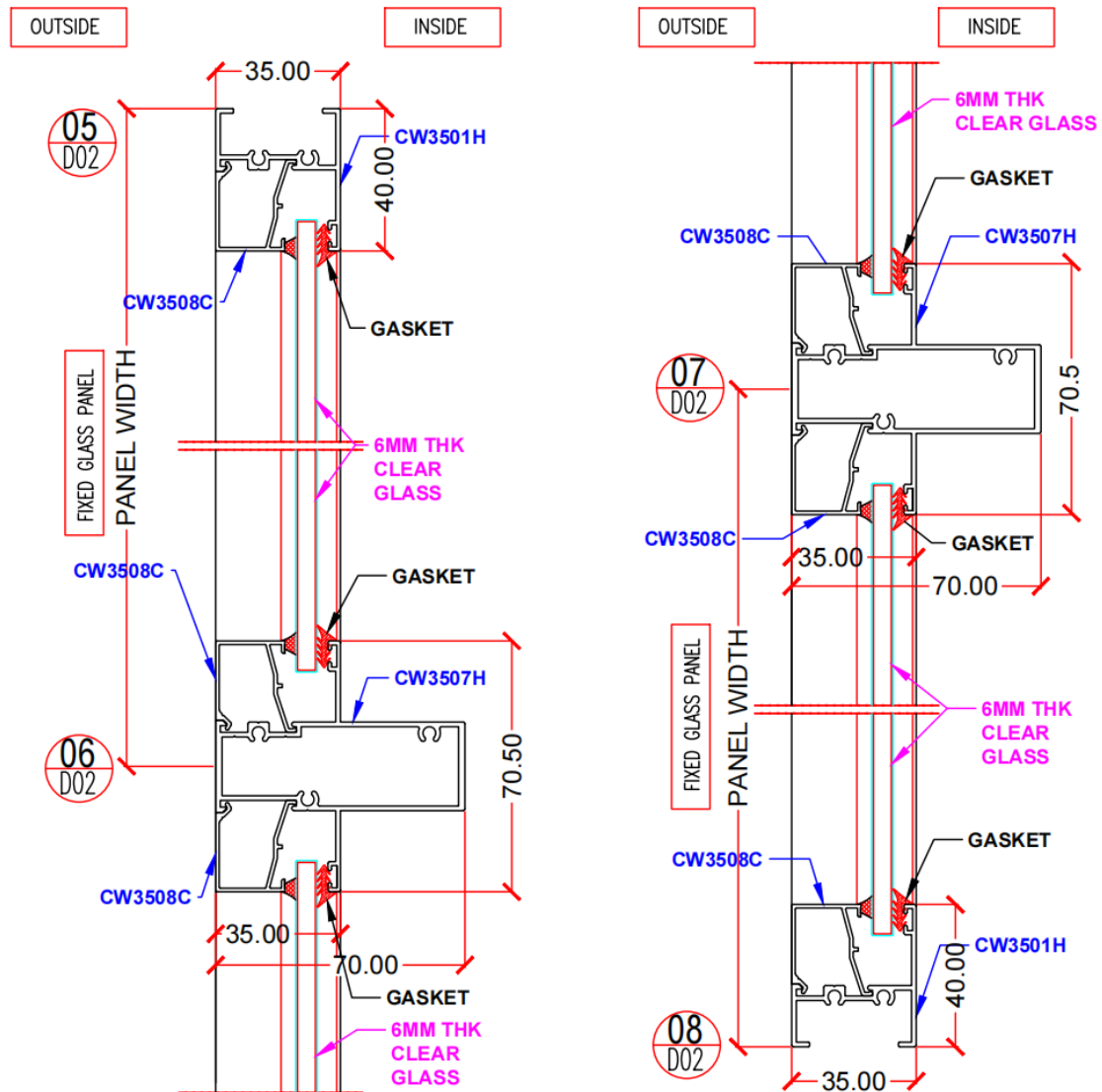


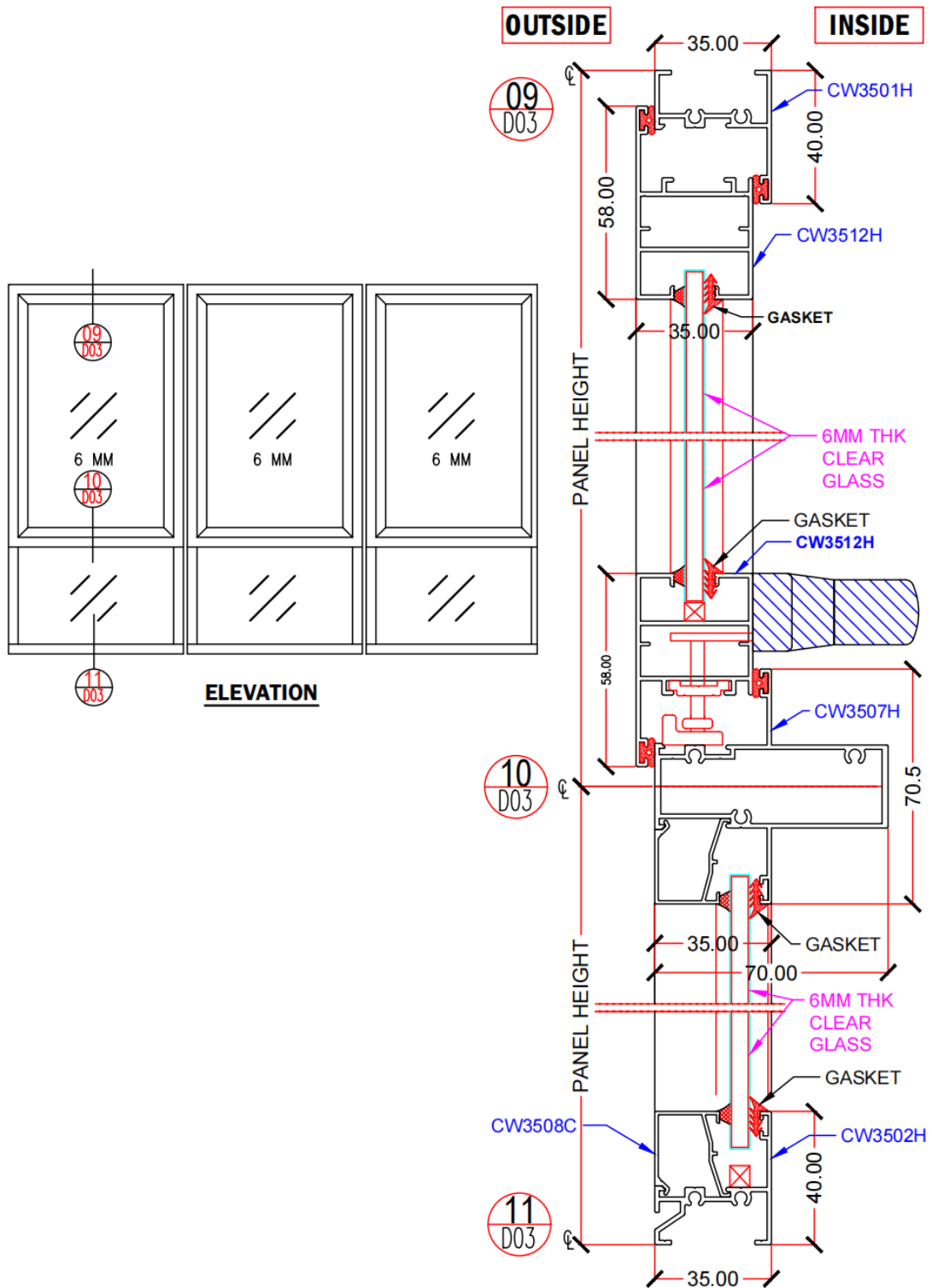
ELEVATION

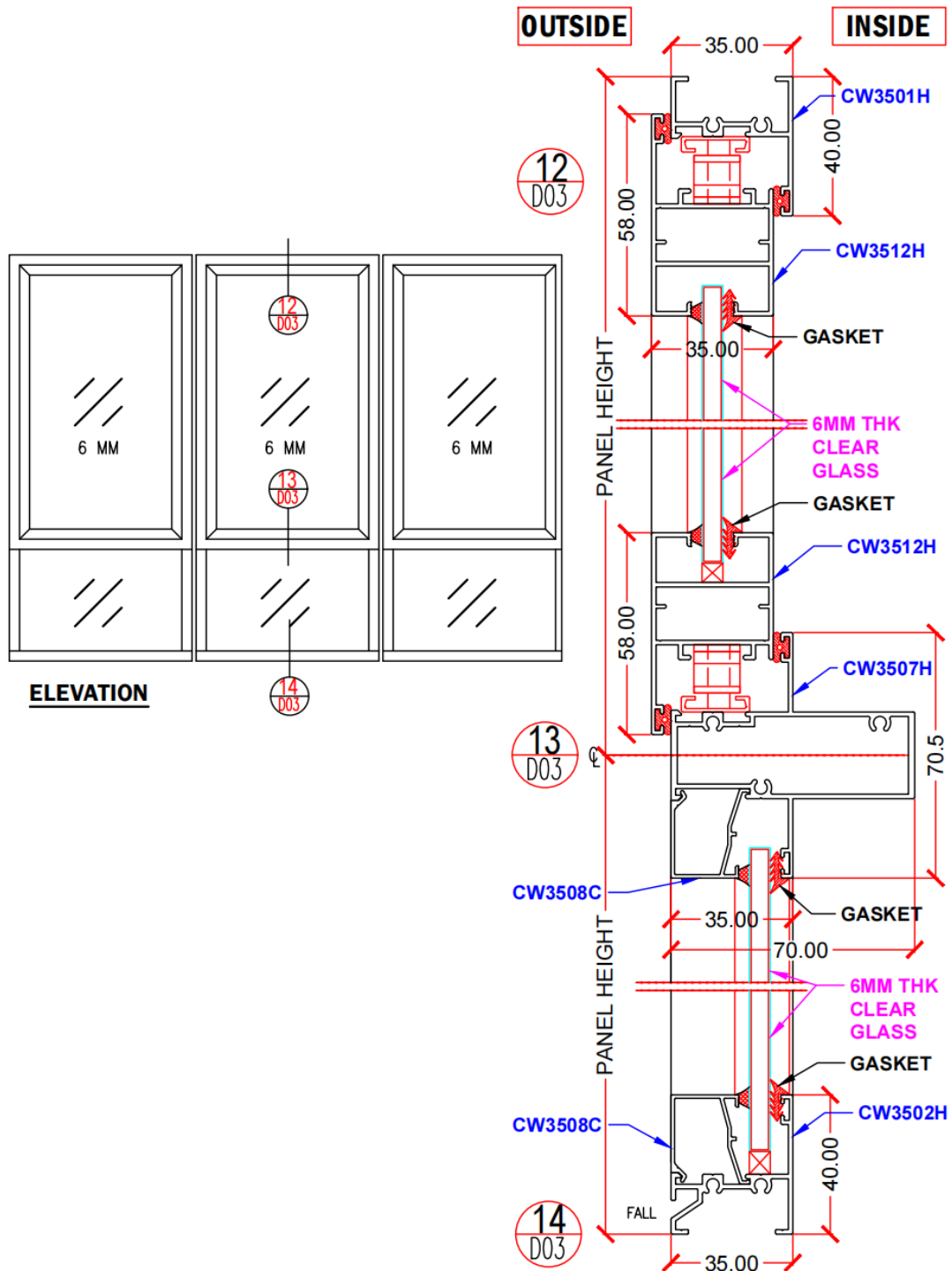




ELEVATION



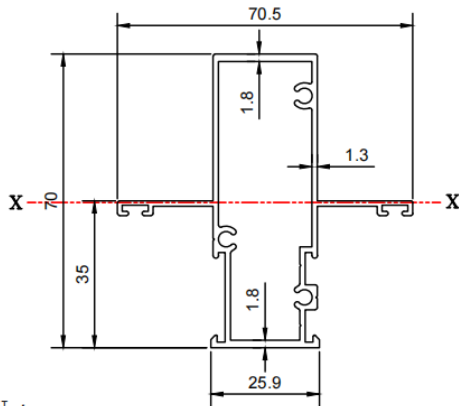




MULLION SECTION : CW3507H

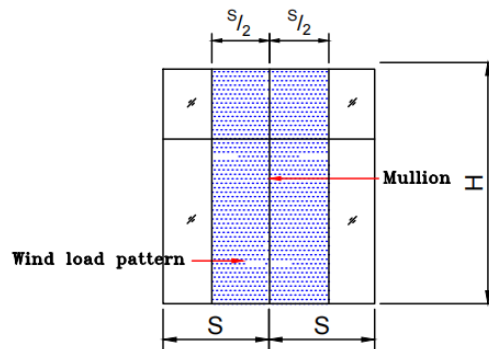
Alum. alloy : 6063-T5
Moment of inertia I_{xx} : 18.6 cm^4
Mod. of section Z_{xx} : 5.2 cm^3

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
Design. bend. stress: $1.25 \times 67^6 \text{ N/m}^2$
Defln. limit : $\frac{\text{Span}}{175}$, up to max.20mm
Nature of anchor : Simply supported at both ends

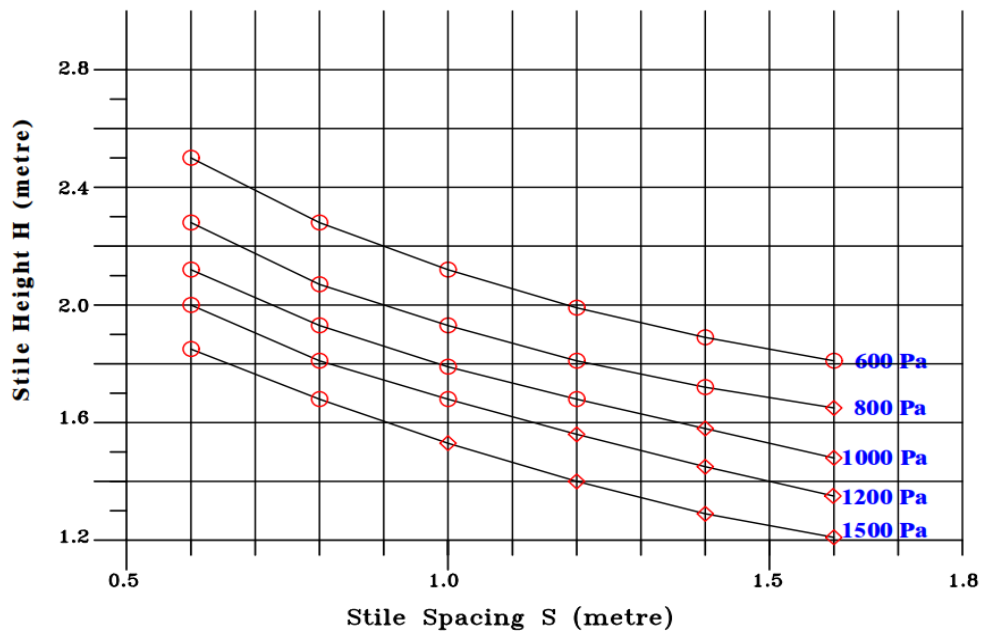


Note:
Suffix xx denotes axis perpendicular to wind load

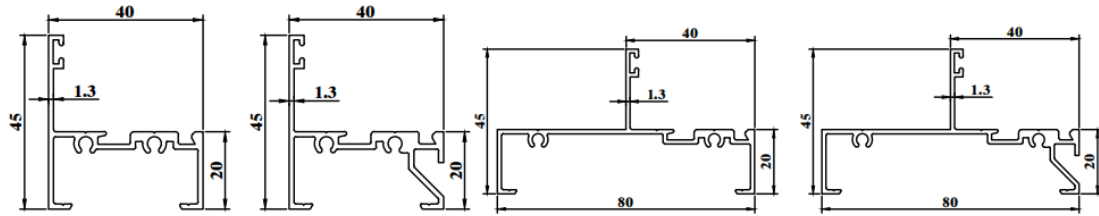
Typical configuration of window



Wind Load Chart



Note:
○ Deflection limit governs ◇ Moment of resistance governs
 Buckling has not been taken into account in this chart

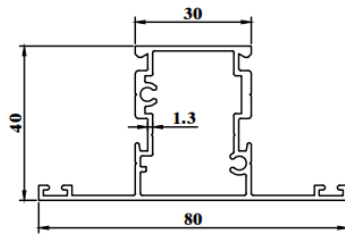


CW4001H
WEIGHT : 0.535 KG/M
AP : 280.46mm

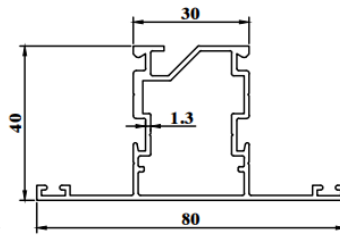
CW4002H
WEIGHT : 0.573 KG/M
AP : 288.32mm

CW4003H
WEIGHT : 0.686 KG/M
AP : 366.79mm

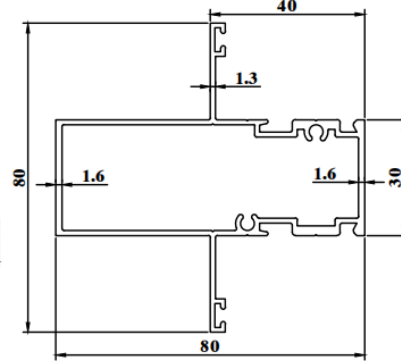
CW4004H
WEIGHT : 0.723 KG/M
AP : 375.12mm



CW4005H
WEIGHT : 0.905 KG/M
AP : 303.16mm

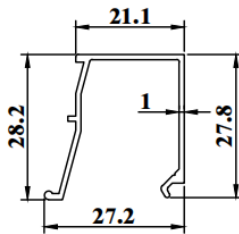


CW4006H
WEIGHT : 0.873 KG/M
AP : 320.58mm

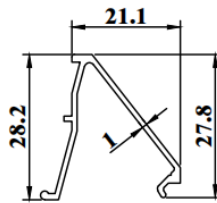


CW4007H
WEIGHT : 1.221 KG/M
AP : 382.73mm

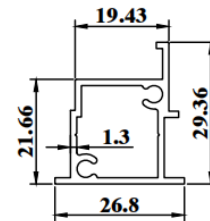
15MM BEAD



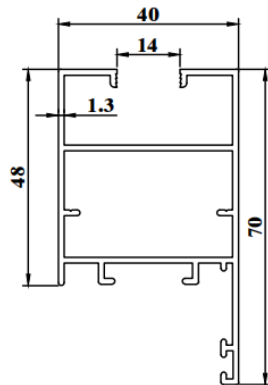
CW4008C
WEIGHT : 0.233 KG/M
AP : 165.27mm



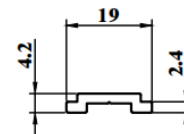
CW4009C
WEIGHT : 0.205 KG/M
AP : 142.16mm



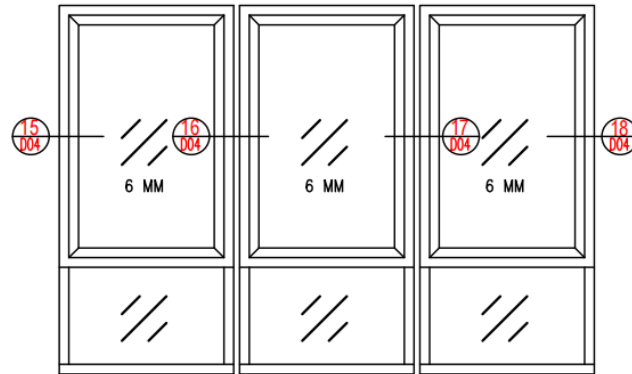
CW4010H
WEIGHT : 0.385 KG/M
AP : 120.60mm



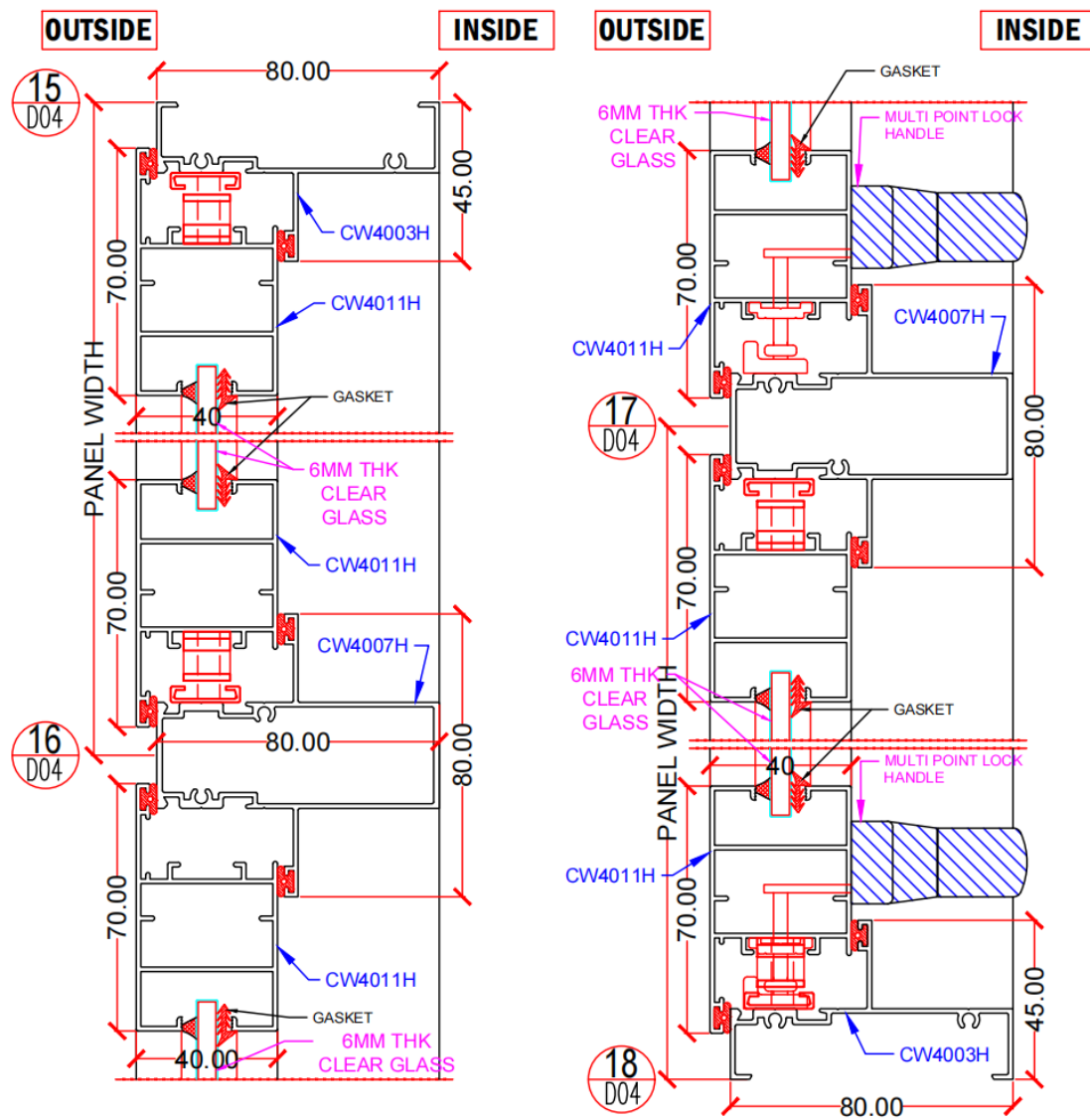
CW4011H
WEIGHT : 0.888 KG/M
AP : 368.28mm

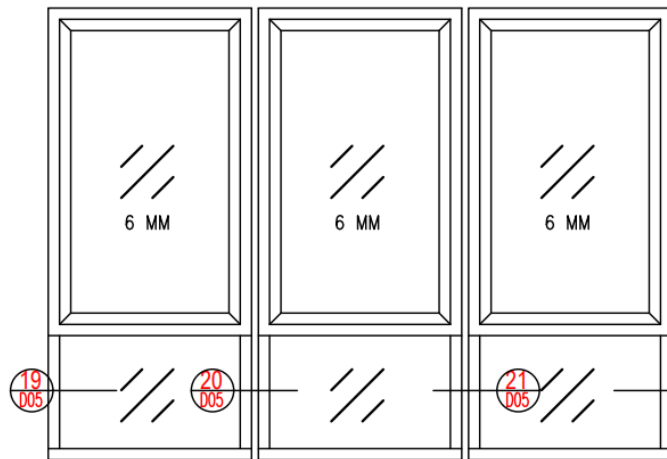


CW6987
WEIGHT : 0.140 KG/M
AP : 49.72 mm

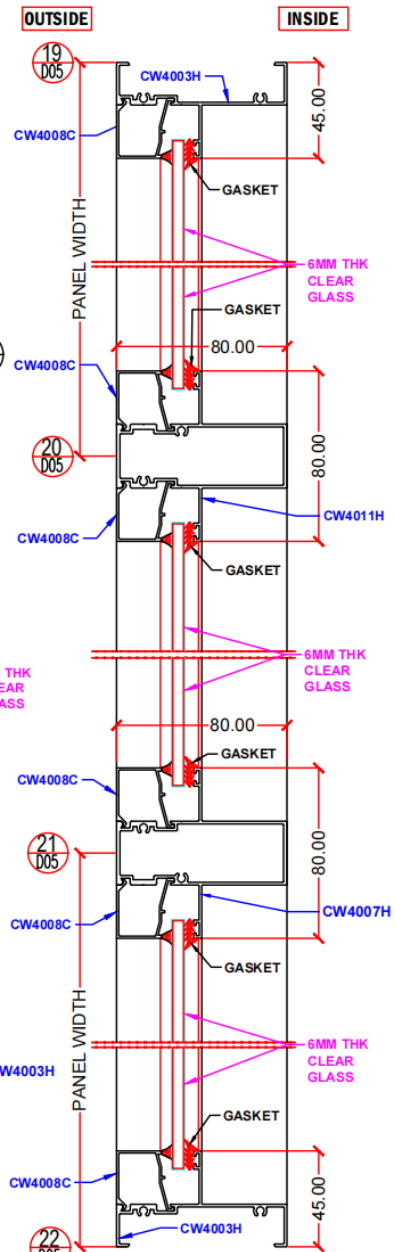
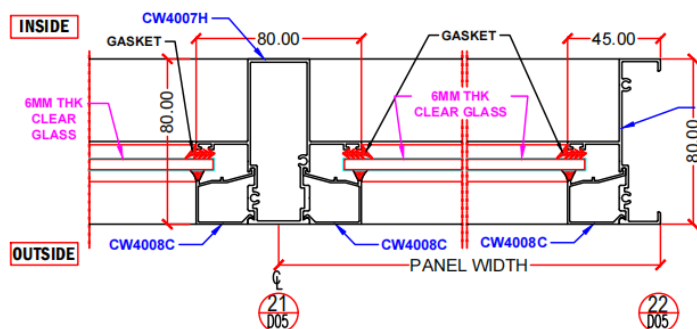
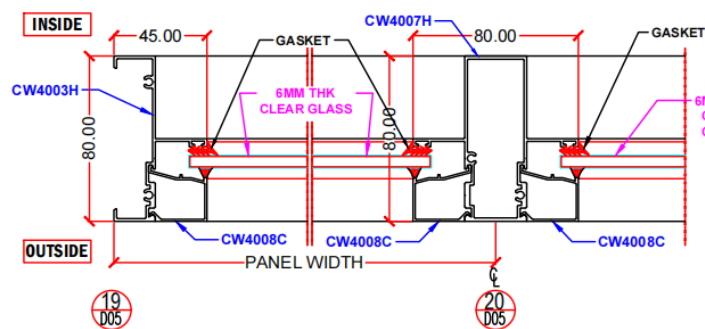


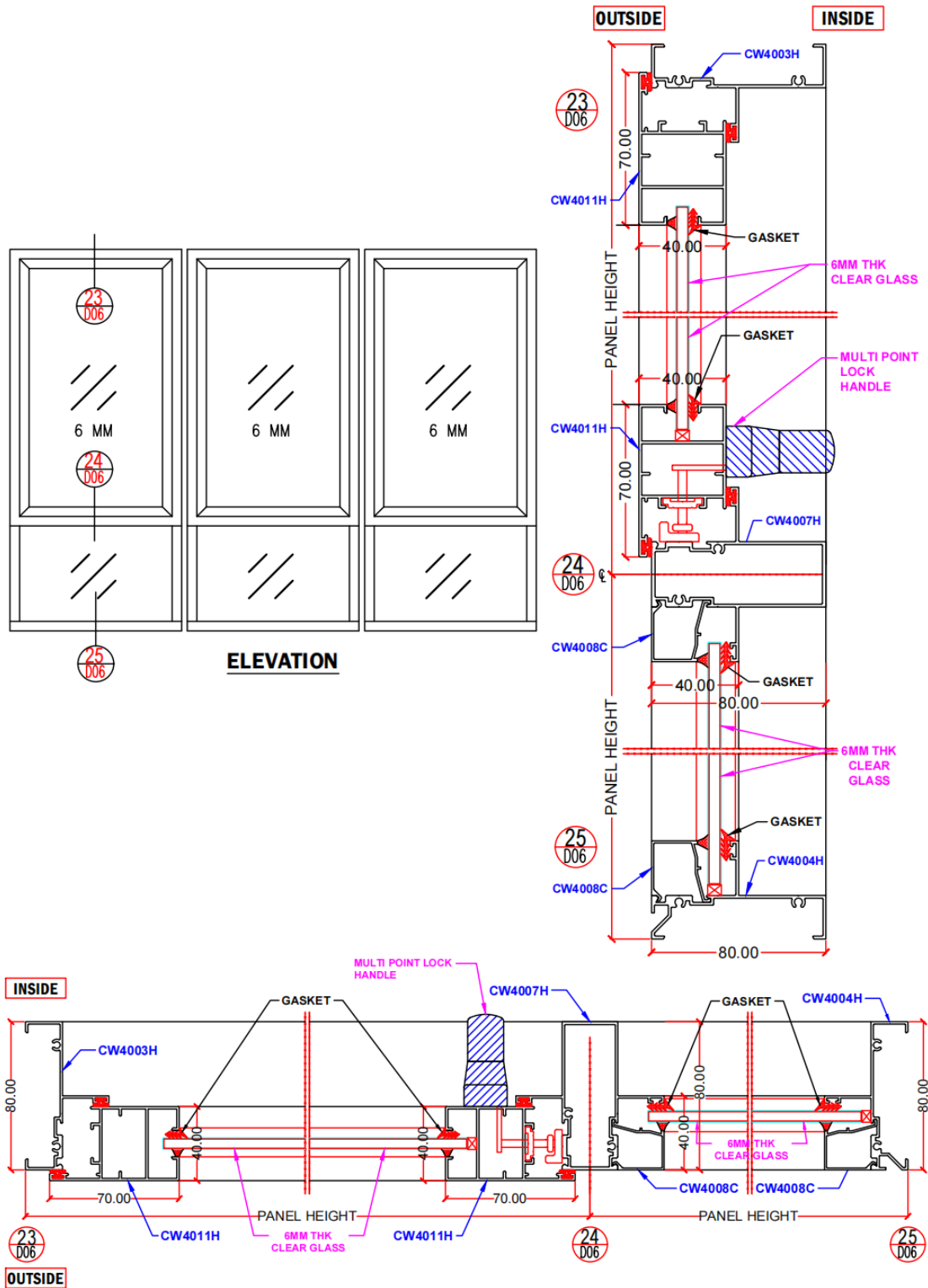
ELEVATION

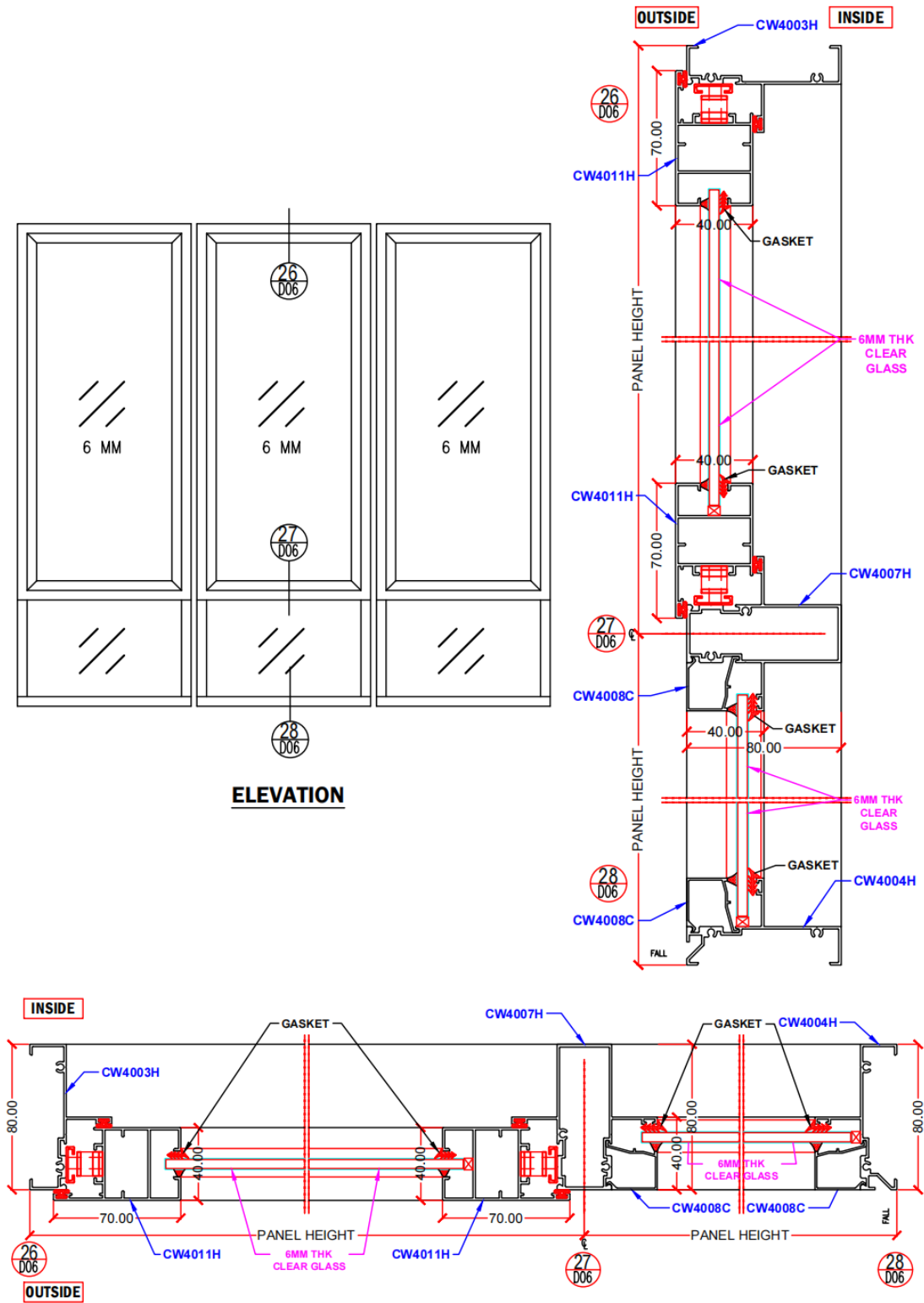




ELEVATION



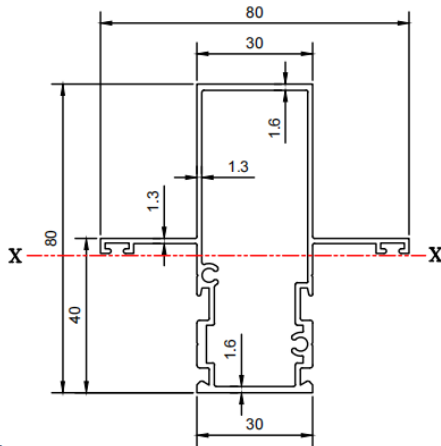




MULLION SECTION : CW4007H

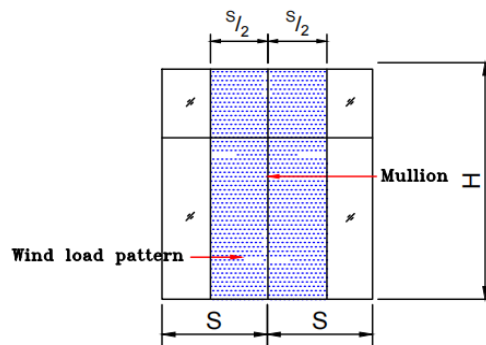
Alum. alloy : 6063-T5
Moment of inertia I_{xx} : 28.5 cm⁴
Mod. of section Z_{xx} : 6.5 cm³

Mod. of elasticity : 70×10^9 N/m²
Design. bend. stress: 1.25×67^6 N/m²
Defln. limit : $\text{Span}/175$, up to max.20mm
Nature of anchor : Simply supported at both ends

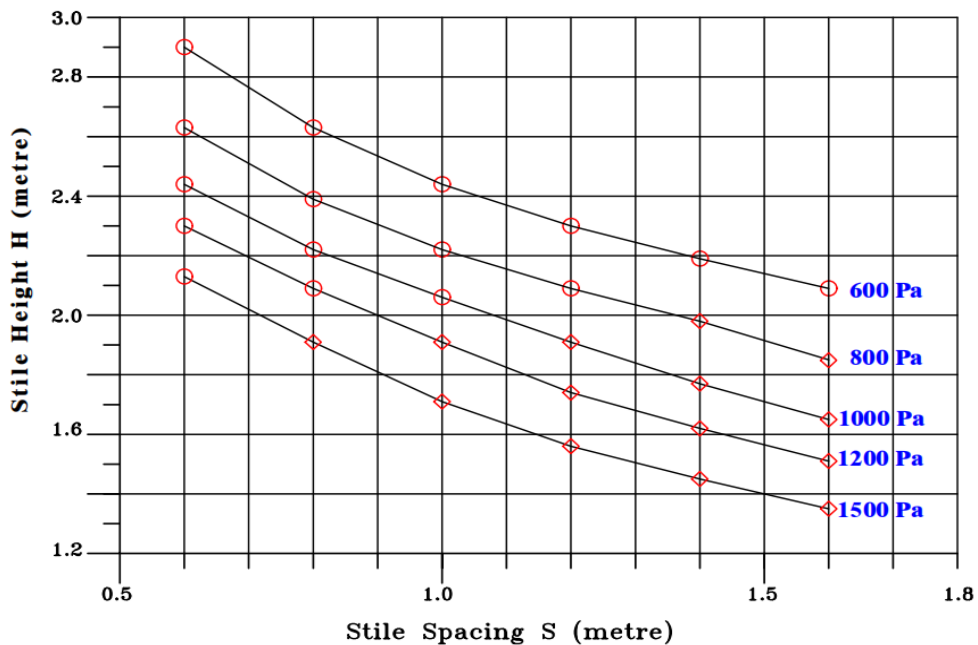


Note:
Suffix xx denotes axis perpendicular to wind load

Typical configuration of window



Wind Load Chart



Note:
○ Deflection limit governs ◇ Moment of resistance governs
 Buckling has not been taken into account in this chart