

ATA



PRODUCT CATALOGUE

ATA
Advanced Technology Aluminium

1 - General Information	126 - Louvers
11 - Wall Board	135 - Curtain Wall
12 - Partition	155 - Diffuser
22 - Exhibition Frame	157 - Show Case
	172 - Spandrel
	174 - Sky Light
	176 - Curtain Track

SHOPFRONT

30 - 2", 2,5"
33 - 3"
47 - 4"
66 - 101 x 45

DOOR

69 - Sliding
83 - Swing
90 - Frameless
95 - Rolling
103 - Handle

WINDOW

109 - Sliding
117 - Top Hung
120 - Casement



A. Solid ●■**184** - Round**186** - Square**187** - Other Square**188** - Rectangular**195** - Other Rectangular**B. Channel** U**198** - Equal**199** - Other Equal**200** - Unequal**202** - Other Unequal**C. Angle** L**211** - Equal**214** - Other Equal**215** - Unequal**218** - Other Unequal**D. Tee** T**222** - Other Tee**E. Ceiling Tee** T**228** - Ceiling Tee**F. Hollow** ○□▤**229** - Pipe**235** - Other Pipe**240** - Square**242** - Other Square**244** - Rectangular**246** - Other Rectangular



Advanced Technology Aluminium



PRODUCTS AND SERVICES

Presently, our aluminium extrusion dies collection consists of more than five thousand distinct profiles, ready to be extruded at any one time. With such a wide range of dies available, we are ready to serve your needs in the most efficient and effective manner. In addition to that, our in-house die making processes and facilities ensure quick and efficient manufacturing of new profiles. Our team of professionals also often collaborated with foreign experts to design and develop custom-made solutions of various projects. Referenced materials from leading technology providers and the expertise of our engineers enable us to meet customers requirements regardless of the complexity degree involved.

STANDARD FINISHES

MILL FINISH :

Natural aluminum finish of the extrusion press.

NATURAL ANODIZED FINISH :

Anodizing is an applied-finish by an electro-chemical process.

The process creates thick anodic film which then impart extreme hardness, corrosion and wear resistance to the aluminum

British Standard 1615 and Standard Industri Indonesia (SII) and is available in nominal film thickness of 5, 10, 18, 20, and 25 microns. Recommended film thickness is 10 and 25 microns for normal and atmospheric condition respectively.

TEMPER DESIGNATION

- * As fabricated i.e. there is no special control over the temper of such material and it is normally in the as-extruded condition. No mechanical property limits are specified.
- * Thermally treated to produce stable tempers.

T4 Solution heat treated and naturally aged to artificially stable condition.

T5 Air cooled from the Extrusion temperature and artificially aged to improve mechanical properties.

T6 Solution Heat treated and then artificially aged. these products are normally water quenched after the press.



ALLOY 6061

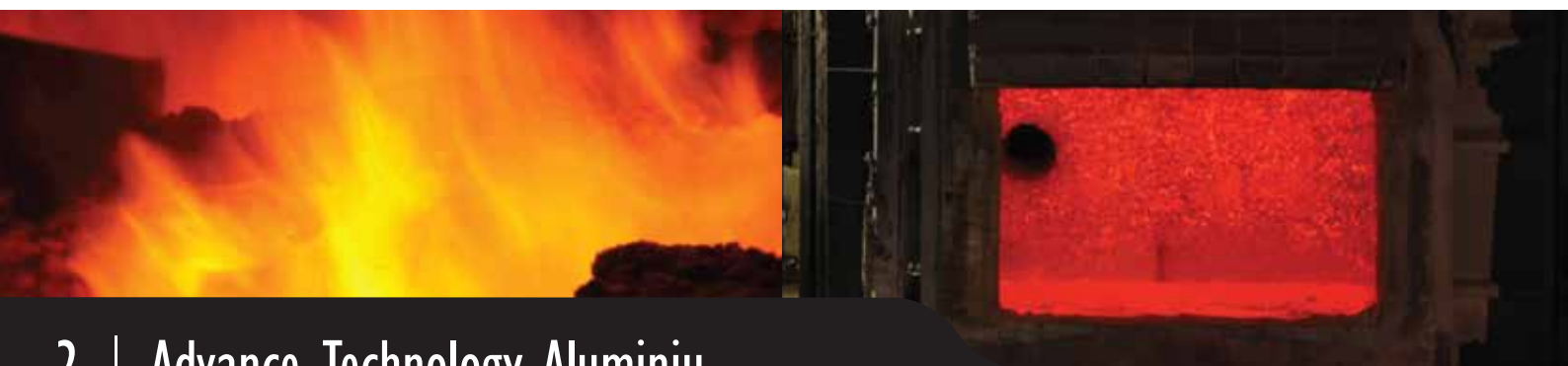
GENERAL COMMENTS

Higher strength 6000 series alloy suitable to more demanding applications than 6063. Extrusion at lower speeds than 6063.

APPLICATION

Commonly used structural alloy in the building and transport industries, Typical uses

- Transport : truck tanker, bus bodies, bus chassis, aircraft fittings, trailers, rail wagons.
- Building / machinery : I and H beams, Diesel fitting, conveyors, cranes, machinery equipment.



COMPOSITIONAL LIMITS OF 6061 IN WT % ARE :

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
Min : 0,40-	-	0,15-	-	0,80-	0,40-	-	-	-	-
Max : 0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05	0,15

TYPICAL MECHANICAL PROPERTIES FOR 6061 ARE :

UTS MPa/KSI	Ys MPa/KSI	EL (%)	Rockwell 'F' Hardness	Brinell Hardness	Webster 'B' Hardness
300/44	265/38	13	90	94	16

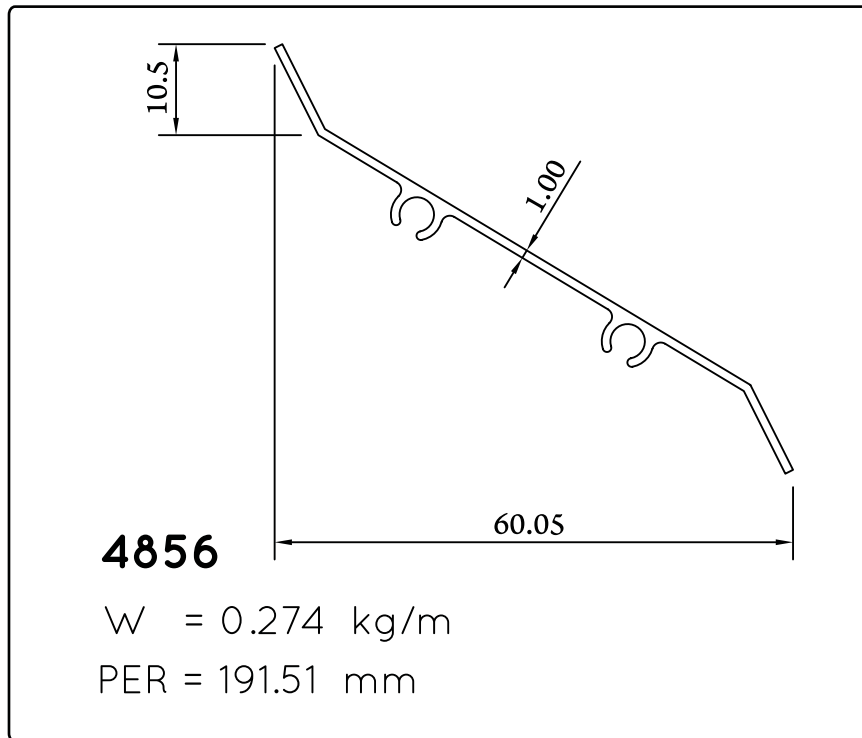
* Results are based on section with wall thickness less than 10mm under normal extrusion conditions.



SPECIFICATION CHECKLIST

When ordering Aluminum Extrusion profiles please state

- Section No.
- Alloy
- Temper
- Length
- Finish (if in Anodised finish, state film thickness)



e.g.

- Alloy : 6063
- Section No. 4856
- Temper : 5
- Length : 6 M- finish : Mill Finish (MF)

ALLOY 6063

GENERAL COMMENTS

High strength alloy 6063 with slightly higher extrusion speeds for more general use. Comfortably able to meet 6063 T6 or T594 minimum property requirements, that follows AMS-QQ-A-200/9 (Aerospace Material Specification American Standard). 400 Commonwealth Drive Warrendale, PA 15096-0001.

APPLICATION

Suited for application requiring great strength such as ladder sections or truck body parts of light structural application, building facades, Heat Sinks, Motorcycle Rims, Furnitures and many more applications.

COMPOSITIONAL LIMITS OF 6063 IN WT% ARE

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
Min : 0,30-	-	-	-	0,45-	-	-	-	-	-
Max : 0,60	0,35	0,10	0,10	0,90	0,10	0,10	0,10	0,05	0,15

TYPICAL MECHANICAL PROPERTIES FOR EASYFLOW 6063 ARE :

UTS MPa/KSI	Ys MPa/KSI	EL (%)H	Rockwell 'F' ardness	Brinell Hardness	Webster 'B' Hardness
260/38	230/33	13	79	83	14

* Results are based on section with wall thickness less than 10mm under normal extrusion conditions.

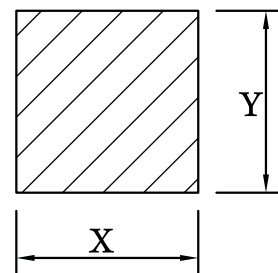
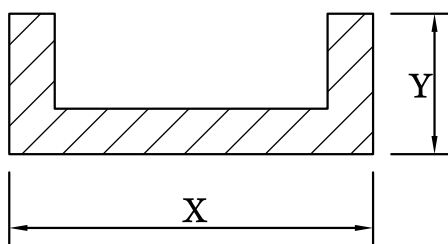
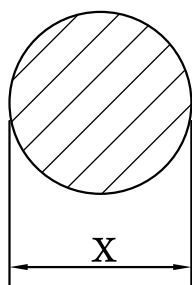


I. STANDARD TOLERANCES

I.1. TOLERANCES OF LENGTH

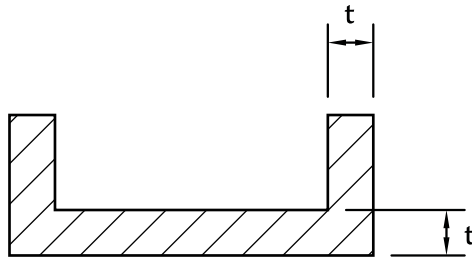
Diameter of Circumscribing Circle		LENGTH mm					
Over	Up to	300-1000	1000-1500	1500-5000	5000-7000	7000-10000	Over 10000
mm	mm	± mm	± mm	± mm	± mm	± mm	± mm
-6	0	2,0	2,5	2,5	3,5	4,0	6,5
60	100	2,0	2,5	3,5	4,0	5,5	7,5
1001	40	3,0	3,5	4,0	5,0	6,5	8,0
110	180	3,5	4,0	5,0	6,5	8,0	9,5
1802	40	4,55	,0	6,5	8,0	9,5	11,0

I.2. TOLERANCES ON WIDTH AND DIAMETER OF BARS AND SOLID SECTION



Diameter Width or Width across Flats		Tolerances
Over	Up to	
mm	mm	
-	3,00	0,25
3,00	10,00	0,29
10,00	18,00	0,35
18,00	30,00	0,39
30,00	40,00	0,47
40,00	60,00	0,52
60,00	80,00	0,57
80,00	100,00	0,72
100,00	120,00	0,87
120,00	160,00	1,07
160,00	180,00	1,17

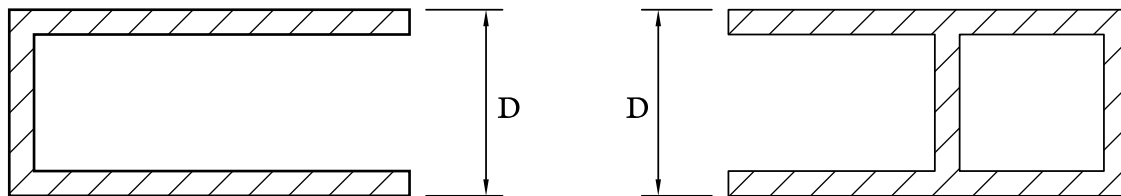
I.3. TOLERANCES ON THICKNESS BARS AND SOLID SECTIONS



Thickness		Tolerances
Over	Up to	
mm	mm	± mm
-	3,00	0,25
3,00	6,00	0,28
6,00	12,00	0,30
12,00	20,00	0,33
20,00	25,00	0,35
25,00	40,00	0,40
40,00	50,00	0,46

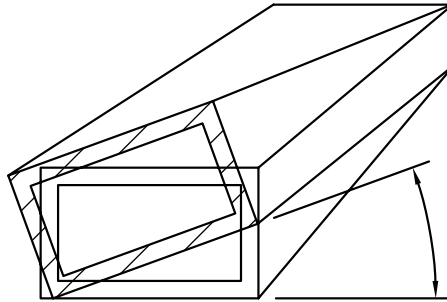


1.4. TOLERANCES ON OPEN ENDS (SPACE TOLERANCES)



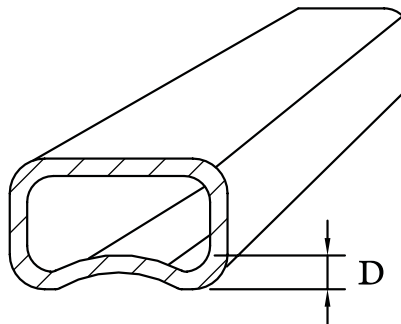
WIDTH (mm)	MINIMUM THICKNESS (MM)	EITHER INTERNAL OR EXTERNAL TOLERANCES AT TOP OF GAP FOR DEPTH (MM)											
		UP TO	OVER	OVER	OVER	OVER	OVER	OVER	OVER	OVER	OVER	OVER	OVER
Up to	Up to	10	18	30	40	60	80	100	120	140	160	180	
		±	±	±	±	±	±	±	±	±	±	±	±
-	-	-	1,5	0,25	0,32	0,41	-	-	-	-	-	-	-
-	10	1,5	3,0	0,23	0,23	0,34	-	-	-	-	-	-	-
-	-	3,0	-	0,22	0,26	0,30	-	-	-	-	-	-	-
-	-	-	1,5	0,31	0,38	0,47	0,56	0,70	-	-	-	-	-
-	-	1,5	3,0	0,29	0,34	0,40	0,46	0,55	-	-	-	-	-
-	-	3,0	-	0,26	0,32	0,36	0,41	0,47	-	-	-	-	-
-	-	-	3,0	0,37	0,47	0,57	0,68	0,84	1,05	1,26	-	-	-
18	30	3,0	6,0	0,37	0,44	0,53	0,62	0,76	0,93	1,11	-	-	-
-	-	6,0	-	0,35	0,41	0,48	0,55	0,64	0,78	0,91	-	-	-
-	-	-	3,0	0,45	0,55	0,65	0,75	0,92	1,13	1,34	1,55	1,76	-
30	40	3,0	6,0	0,45	0,52	0,51	0,70	0,84	1,01	1,19	1,36	1,54	-
-	-	6,0	-	0,43	0,49	0,56	0,63	0,72	0,86	0,99	1,12	1,25	-
-	-	-	3,0	-	0,60	0,70	0,81	0,97	1,18	1,39	1,60	1,81	2,02
40	60	3,0	6,0	-	0,57	0,66	0,75	0,89	0,89	1,24	1,41	1,59	1,76
-	-	6,0	-	-	0,54	0,61	0,68	0,77	0,91	1,04	1,17	1,30	1,43
-	-	-	3,0	-	0,65	0,75	0,86	1,02	1,23	1,44	1,65	1,86	2,07
60	80	3,0	6,0	-	0,62	0,71	0,80	0,91	1,11	1,29	1,46	1,64	1,81
-	-	-	6,0	-	0,59	0,66	0,75	0,82	0,96	1,05	1,22	1,35	1,48
80	100	6,0	-	-	-	0,90	1,01	1,17	1,58	1,59	1,80	2,01	2,22
-	-	-	6,0	-	-	0,86	0,96	1,09	1,26	1,44	1,57	1,79	1,95
100	120	6,0	-	-	-	1,05	1,16	1,34	1,53	1,74	1,95	2,16	2,37
-	-	-	6,0	-	-	1,01	1,10	1,24	1,41	1,59	1,75	1,94	2,11
120	140	6,0	-	-	-	1,15	1,26	1,42	1,63	1,84	2,05	2,26	2,47
-	-	-	-	-	-	1,11	1,20	1,54	1,51	1,69	1,86	2,01	2,21

I.5. TOLERANCES ON TWIST ON FOR EXTRUDED SOLID AND HOLLOW SECTIONS



Circumscribing Circle	Angle of Twist Per 300 mm Run	Total angle of Twist Per Length
mm		mm
Over-through 20	3°	7°
Over 20 through 40	1°	5°
Over 40 through 80	1/2°	3°
Over 80-		
Lengths through 6,000	1/4°	2°
Lengths Over 6,000	1/4°	3°

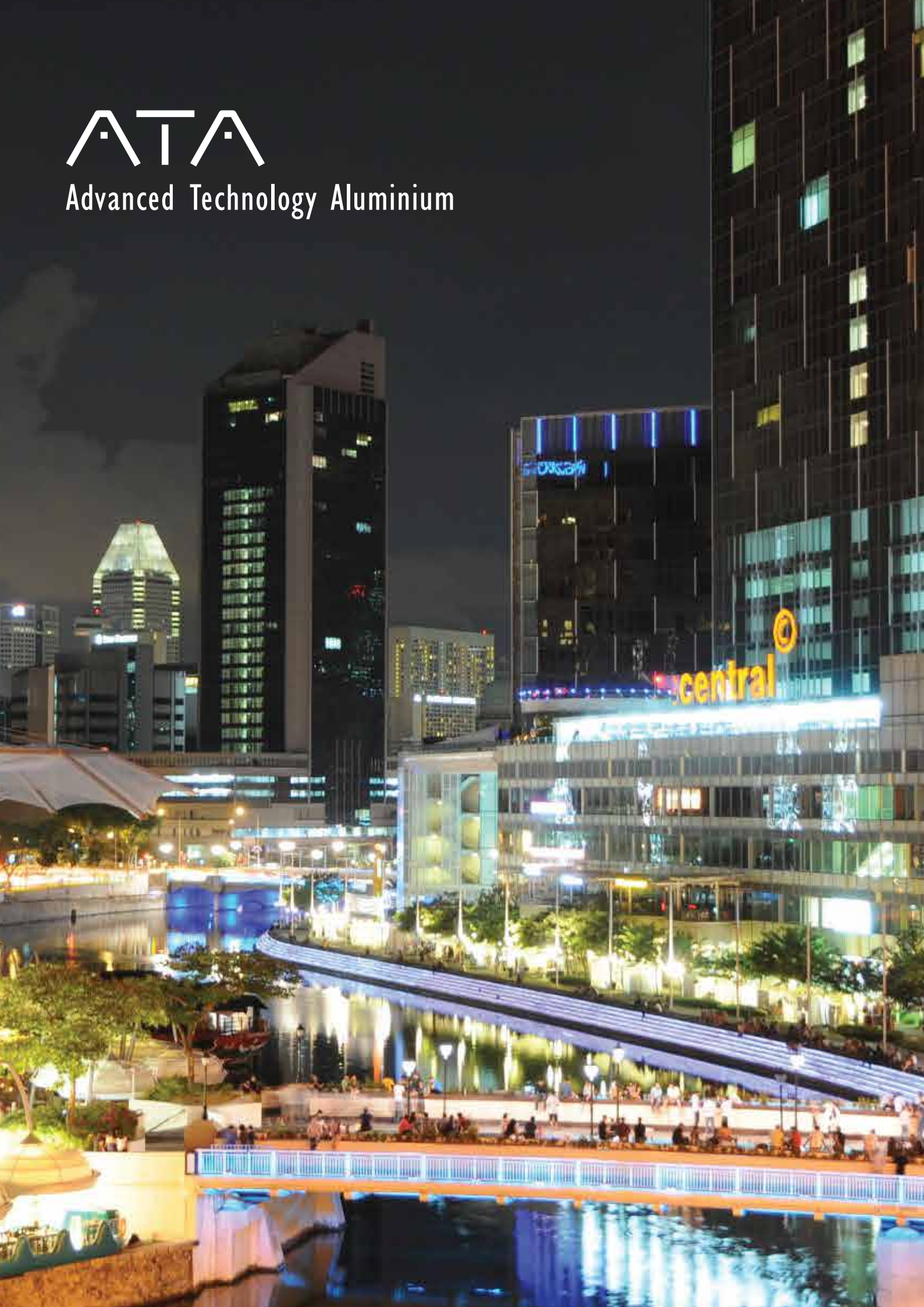
I.6. TOLERANCES OF FLATNESS

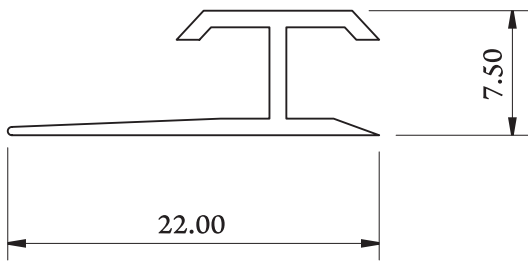


Specified with or depth	Allowable deviation from flatness
mm	mm
Up To 25	0,125

ATA

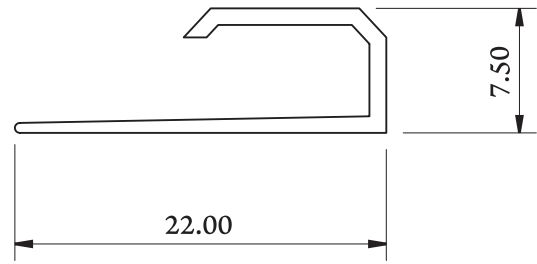
Advanced Technology Aluminium





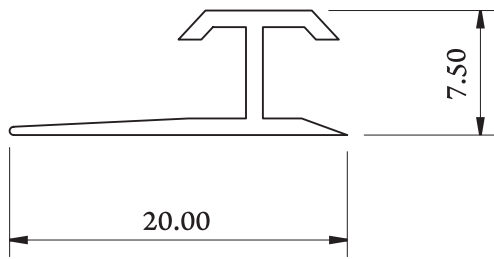
17003

W = 0.094 kg/m
PER = 79.68 mm



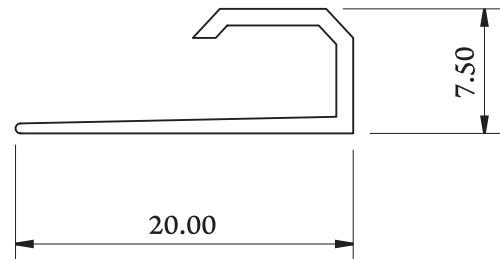
17004

W = 0.093 kg/m
PER = 78.86 mm



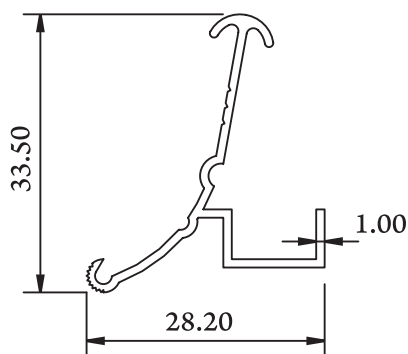
17005

W = 0.085 kg/m
PER = 71.69 mm



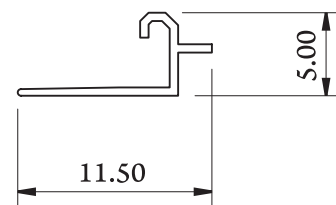
17006

W = 0.083 kg/m
PER = 70.86 mm



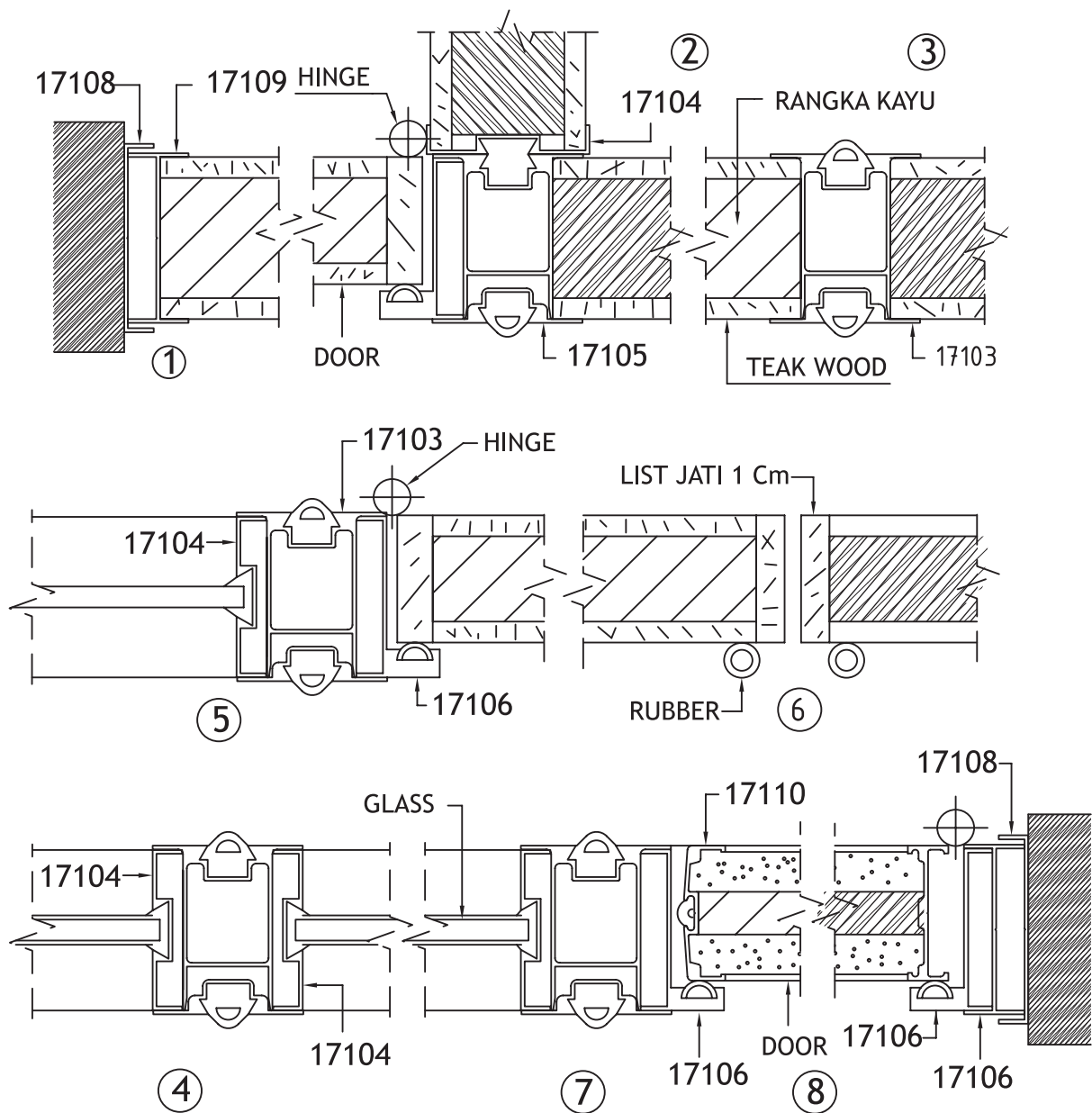
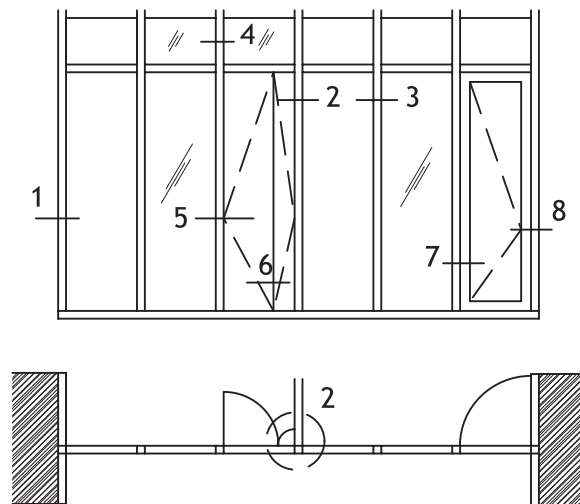
17011

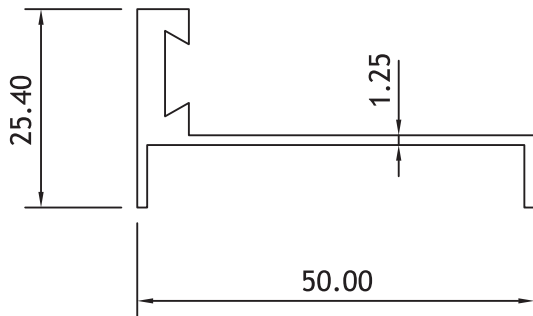
W = 0.213 kg/m
PER = 160.74 mm



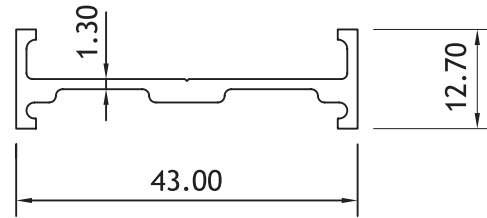
17013

W = 0.031 kg/m
PER = 41.23 mm

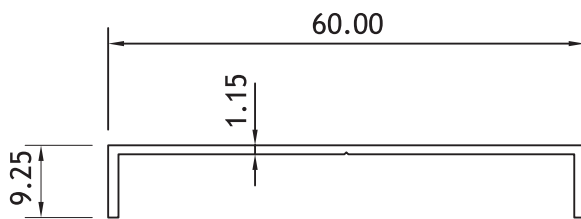


**17106**

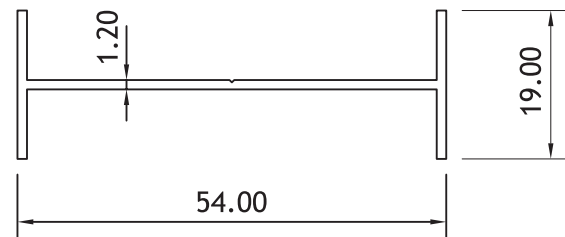
W = 0.433 kg/m
PER = 177.39 mm

**17107**

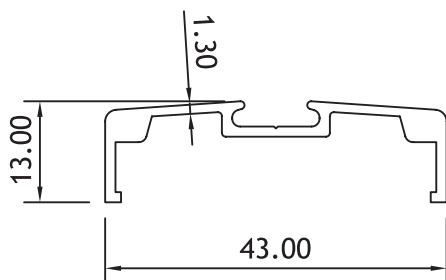
W = 0.331 kg/m
PER = 141.06 mm

**17108**

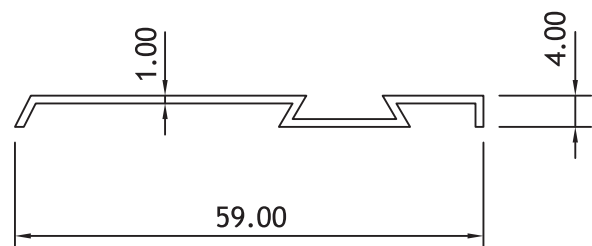
W = 0.244 kg/m
PER = 154.70 mm

**17109**

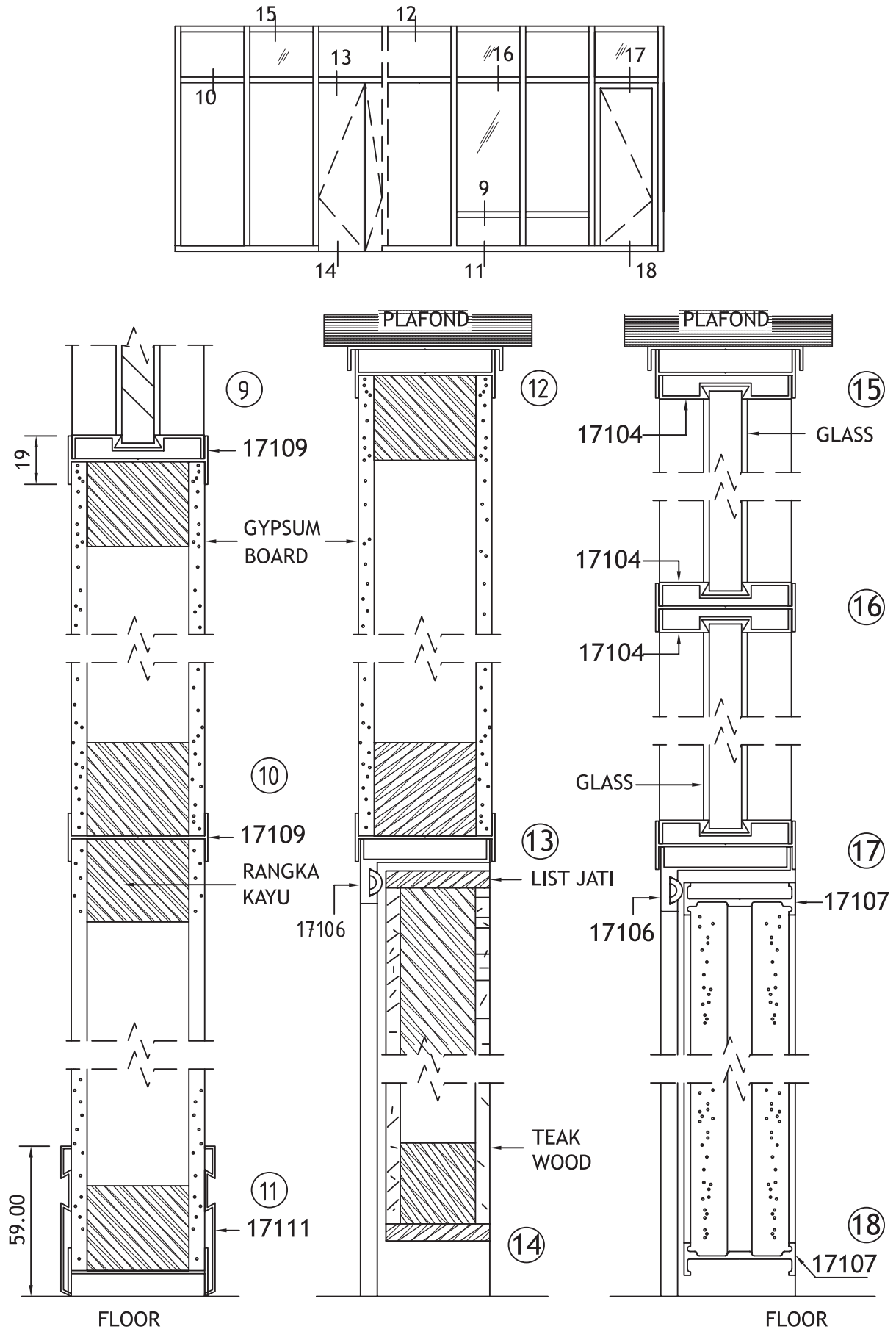
W = 0.292 kg/m
PER = 181.60 mm

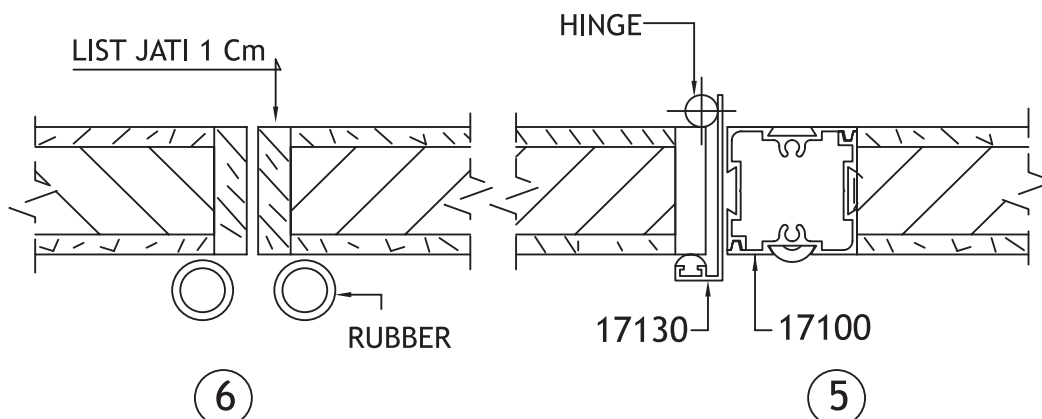
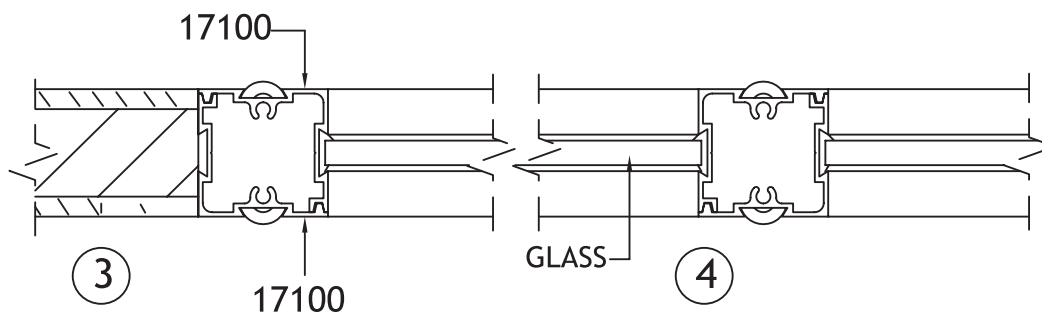
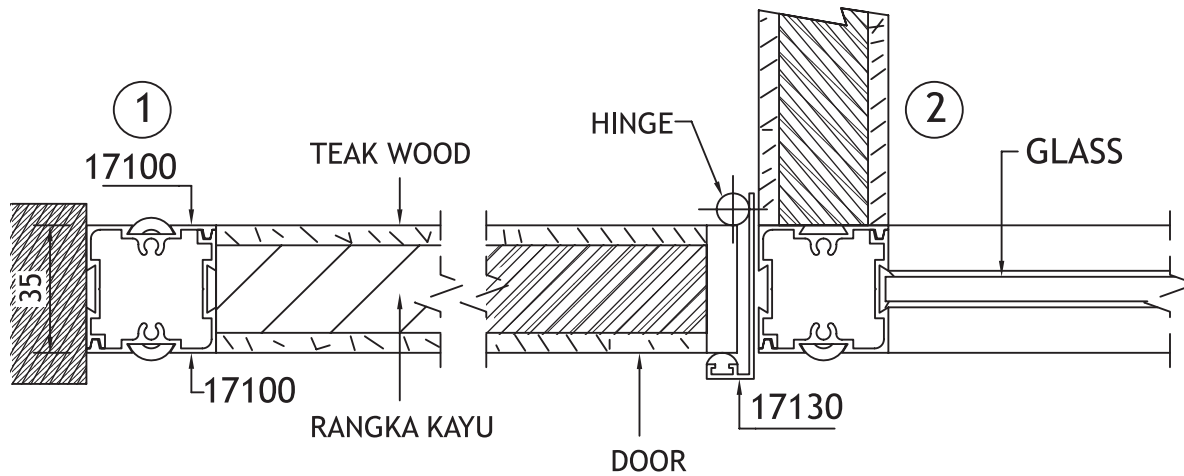
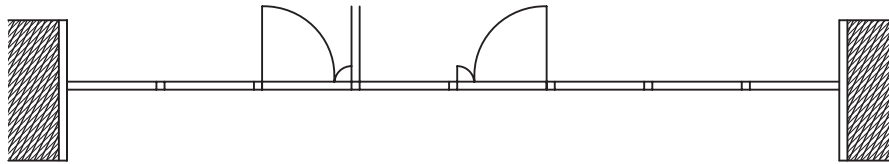
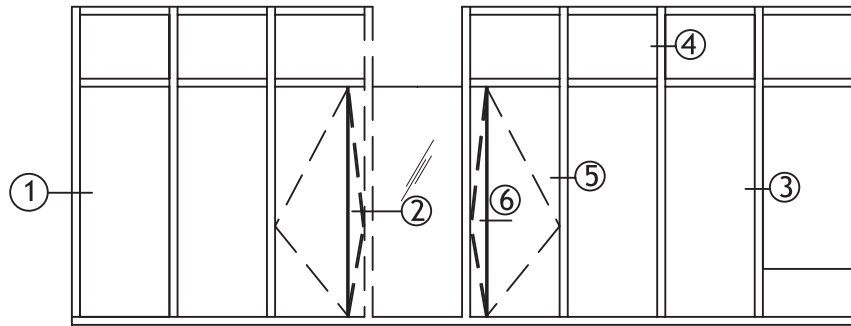
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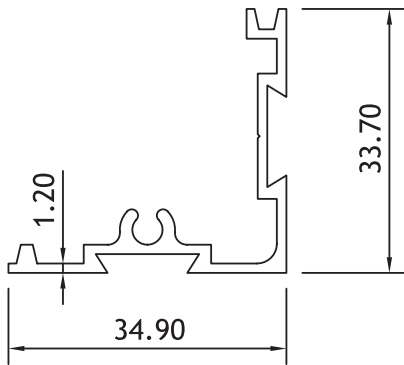
W = 0.329 kg/m
PER = 145.45 mm

**17111**

W = 0.200 kg/m
PER = 148.80 mm

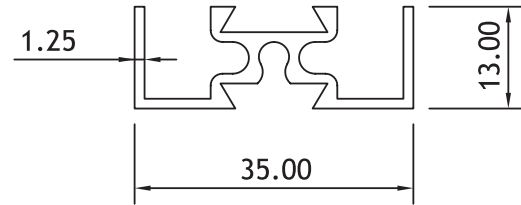






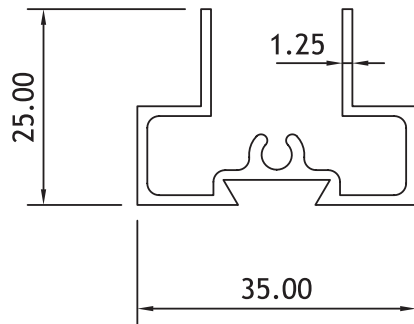
17100

W = 0.362 kg/m
PER = 193.46 mm



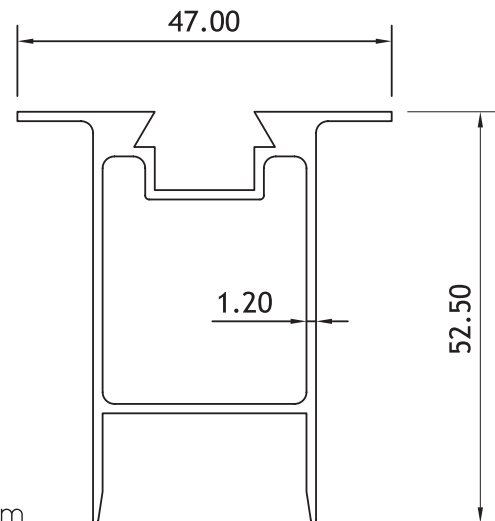
17101

W = 0.355 kg/m
PER = 187.76 mm



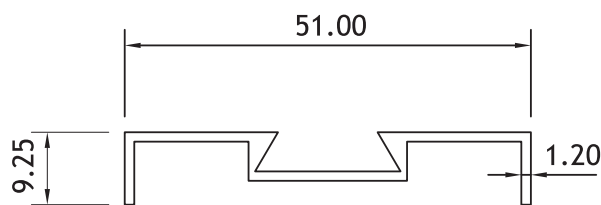
17102

W = 0.420 kg/m
PER = 227.80 mm



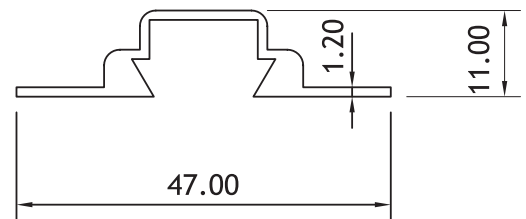
17103

W = 0.737 kg/m
PER = 250.72 mm



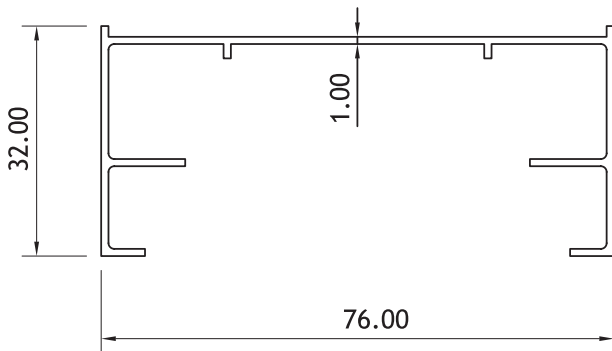
17104

W = 0.279 kg/m
PER = 163.29 mm



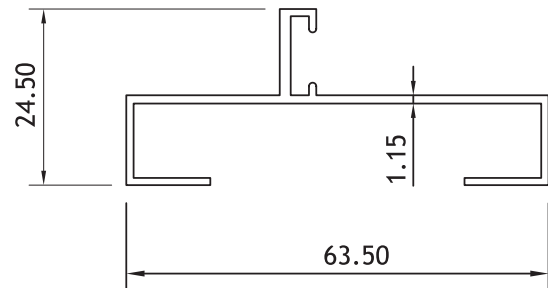
17105

W = 0.303 kg/m
PER = 139.39 mm



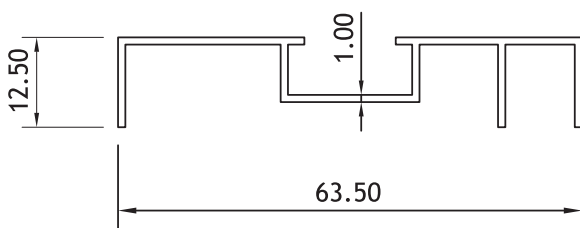
17113

W = 0.472 kg/m
PER = 345.25 mm



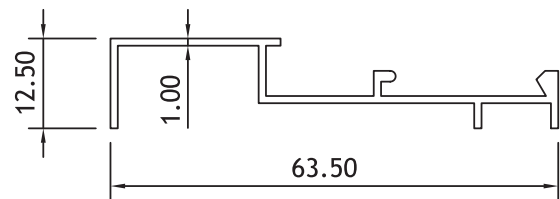
17114

W = 0.385 kg/m
PER = 254.84 mm



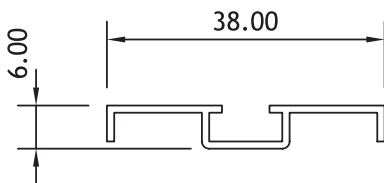
17115

W = 0.321 kg/m
PER = 239.00 mm



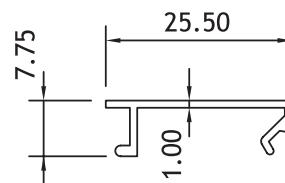
17116

W = 0.289 kg/m
PER = 204.53 mm



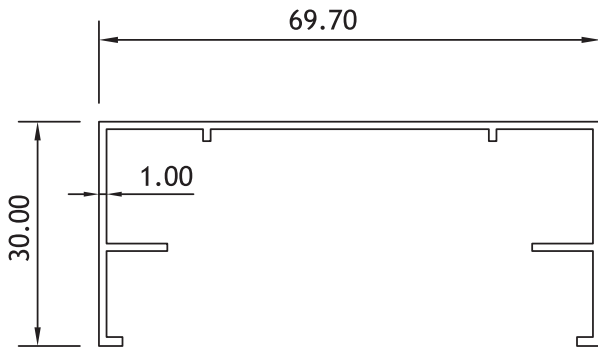
17117

W = 0.160 kg/m
PER = 120.14 mm



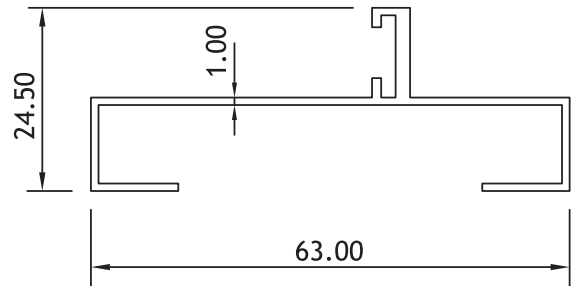
17118

W = 0.121 kg/m
PER = 88.16 mm



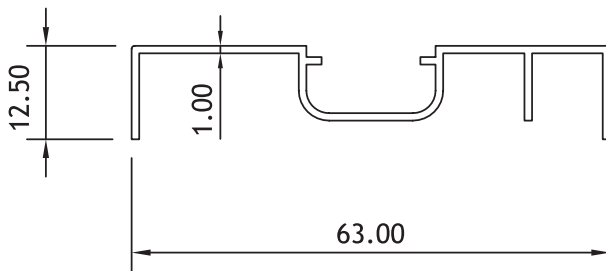
17119

W = 0.412 kg/m
PER = 304.20 mm



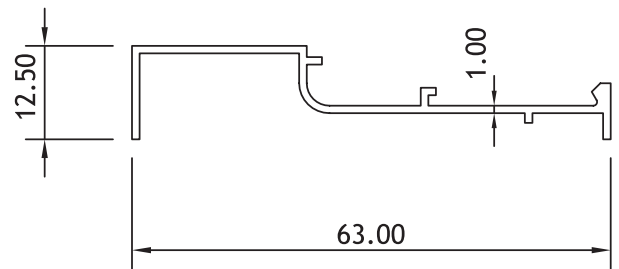
17120

W = 0.374 kg/m
PER = 254.60 mm



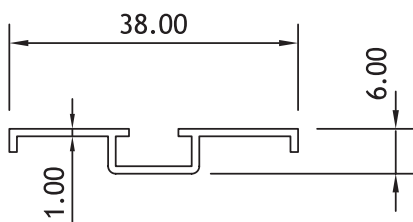
17121

W = 0.309 kg/m
PER = 229.65 mm



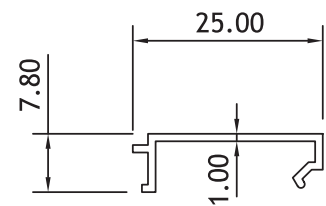
17122

W = 0.263 kg/m
PER = 190.41 mm



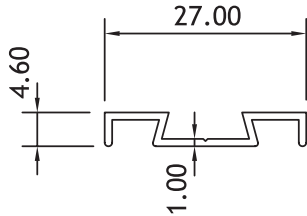
17123

W = 0.150 kg/m
PER = 112.54 mm



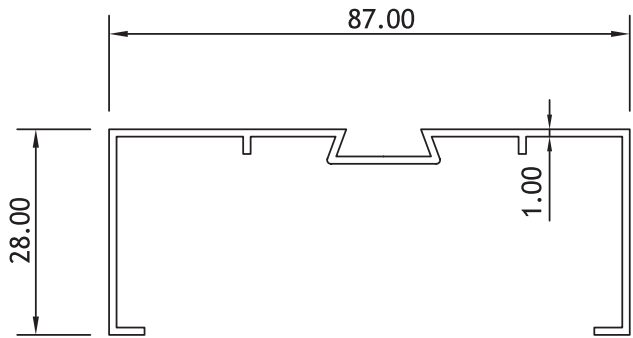
17124

W = 0.110 kg/m
PER = 83.20 mm



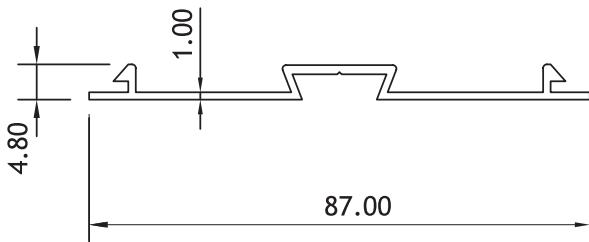
17125

W = 0.117 kg/m
PER = 88.64 mm



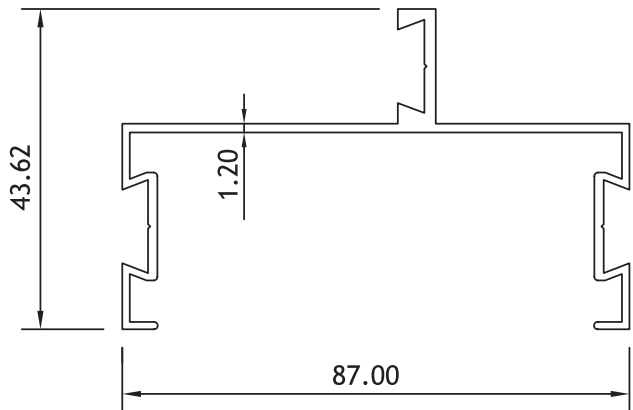
17126

W = 0.448 kg/m
PER = 343.44 mm



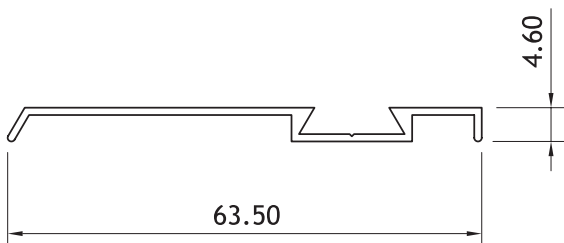
17127

W = 0.320 kg/m
PER = 216.30 mm



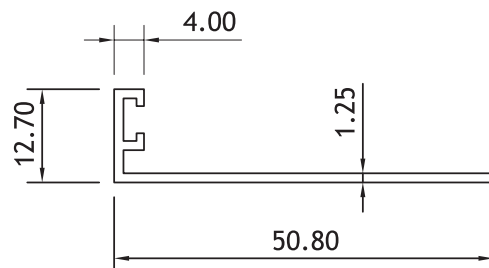
17128

W = 0.624 kg/m
PER = 369.66 mm



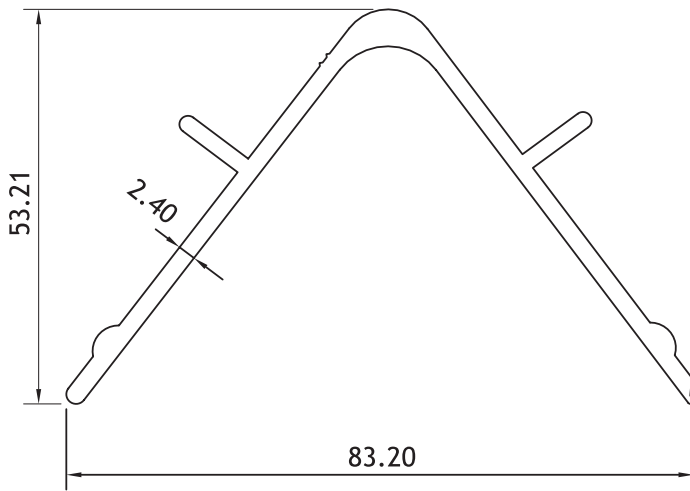
17129

W = 0.227 kg/m
PER = 149.42 mm



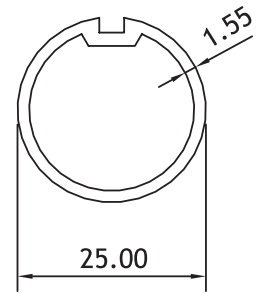
17130

W = 0.235 kg/m
PER = 142.20 mm



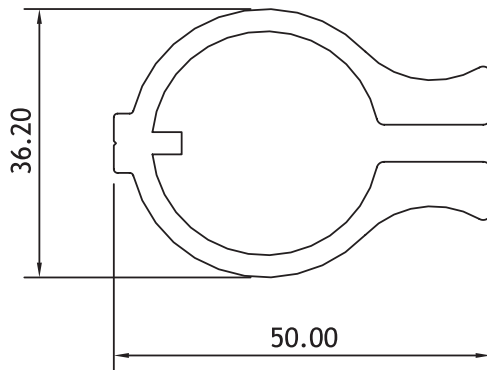
17305

W = 1.070 kg/m
PER = 308.45 mm



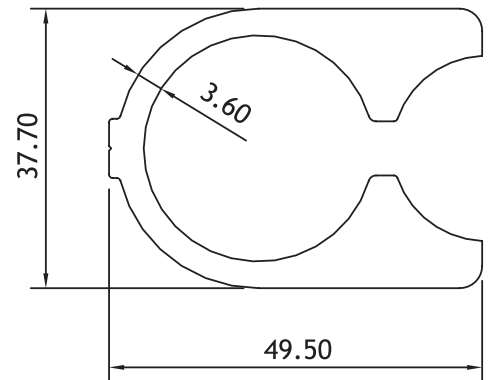
17306

W = 0.332 kg/m
PER = 82.53 mm



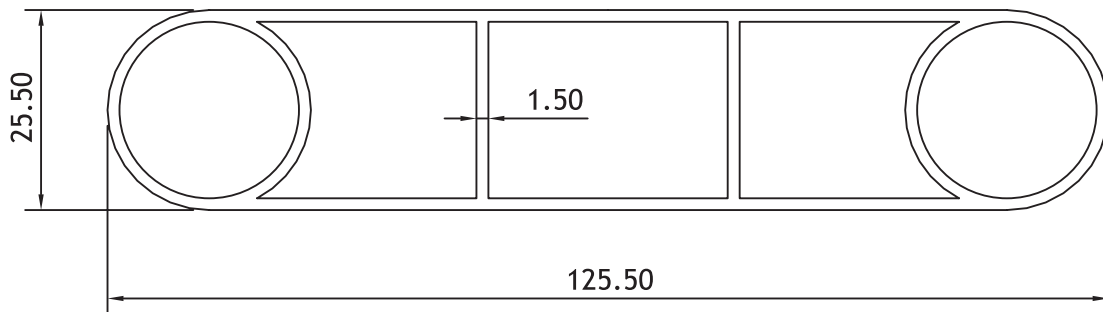
17307

W = 1.356 kg/m
PER = 267.33 mm



17308

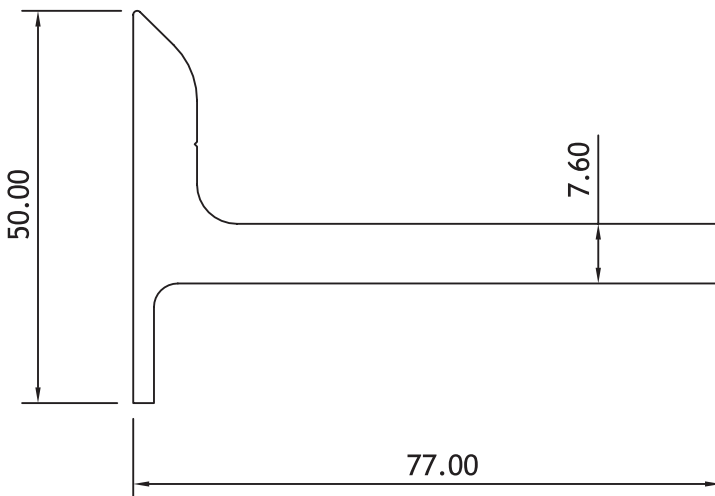
W = 1.894 kg/m
PER = 255.33 mm



17309

W = 1.543 kg/m

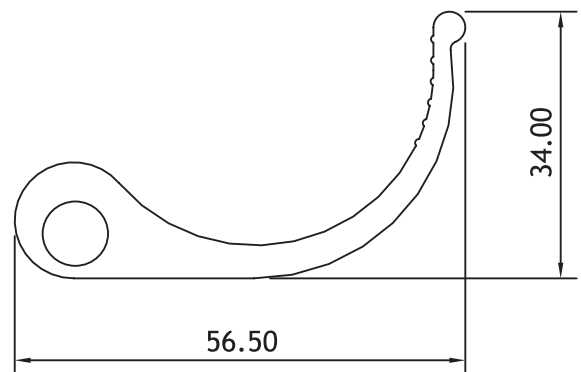
PER = 280.11 mm



17310

W = 2.224 kg/m

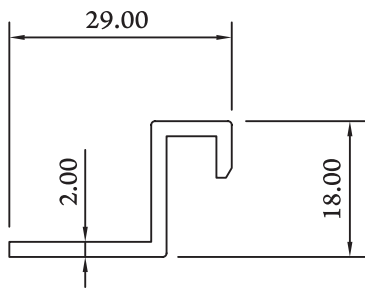
PER = 245.63 mm



17311

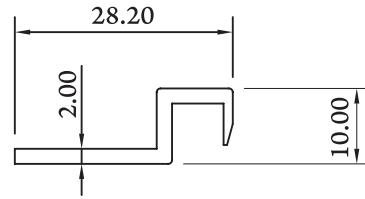
W = 1.034 kg/m

PER = 167.08 mm



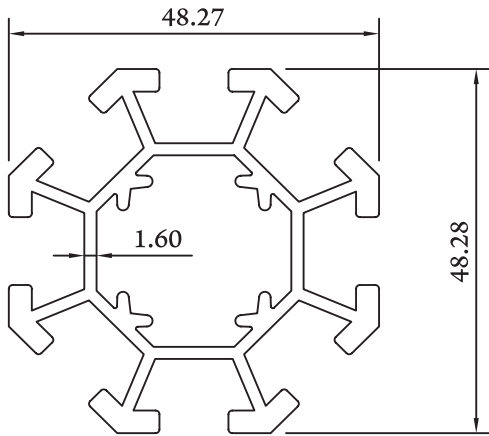
17142

W = 0.272 kg/m
PER = 103.81 mm



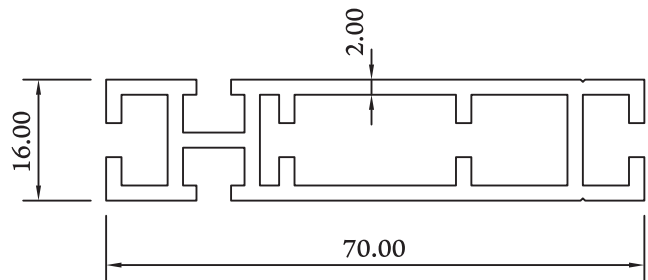
17142B

W = 0.227 kg/m
PER = 86.06 mm



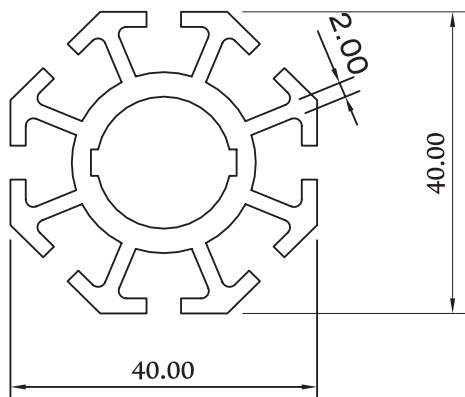
17260

W = 1.381 KG/M
PER = 382.81 MM



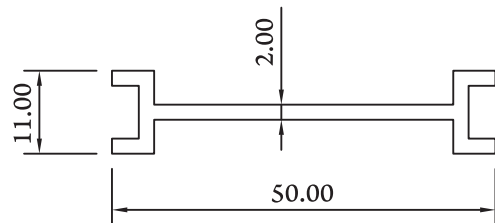
17275

W = 1.111 KG/M
PER = 276.50 MM



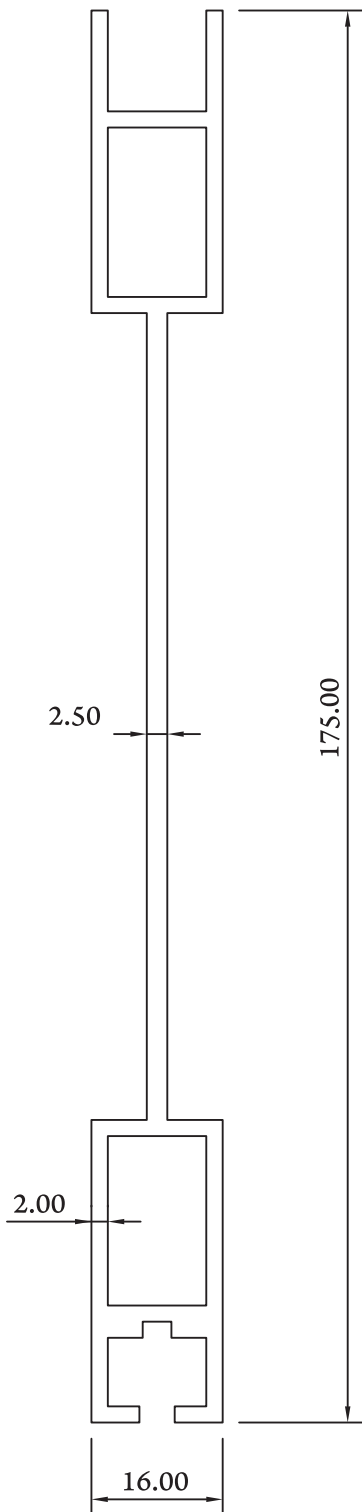
17276

W = 1.390 KG/M
PER = 351.20 MM



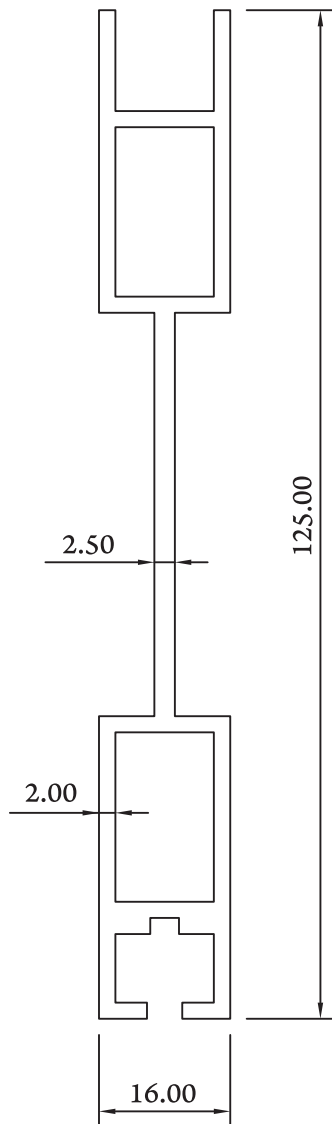
17277

W = 0.407 KG/M
PER = 154.00 MM



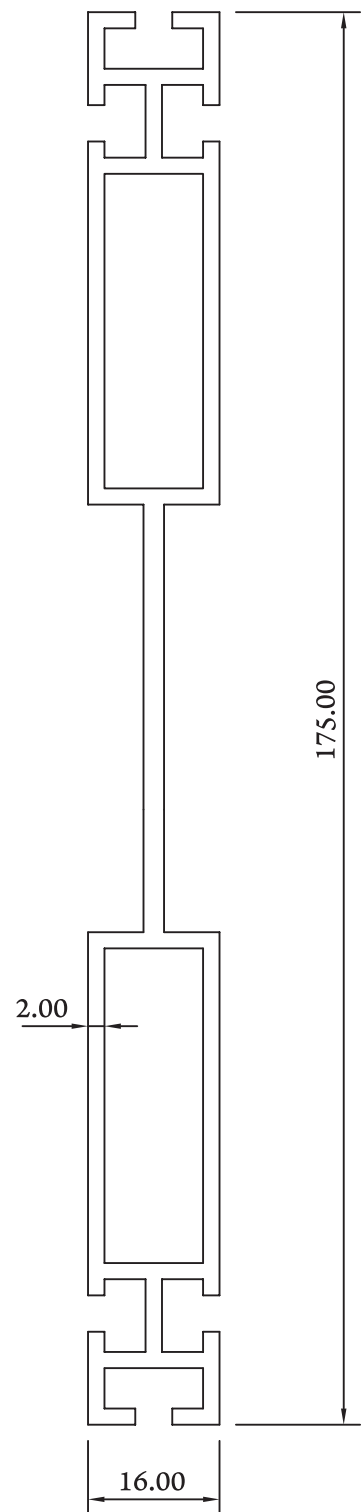
17230

W = 1.839 KG/M
PER = 474.40 MM



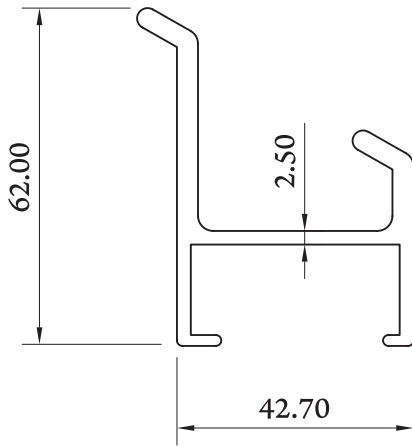
17253

W = 1.500 KG/M
PER = 374.40 MM



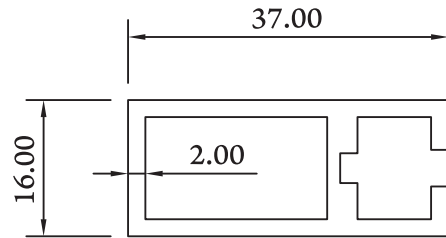
17254

W = 2.153 KG/M
PER = 559.00 MM



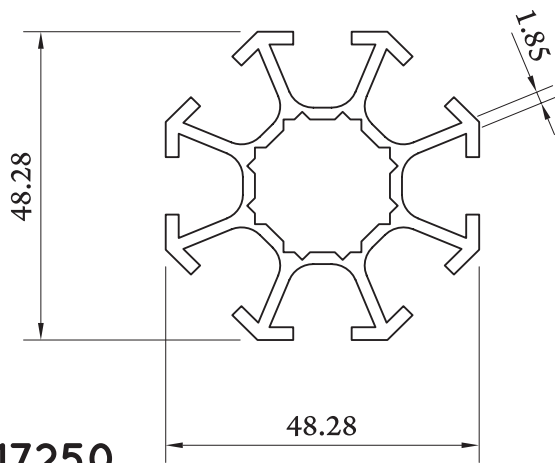
17190

W = 1.279 KG/M
PER = 308.32 MM



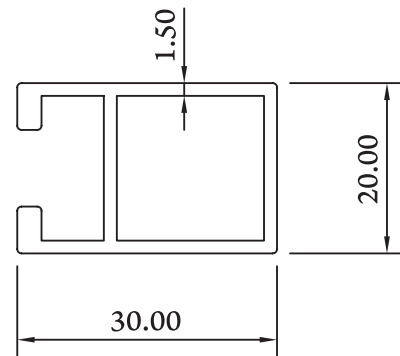
17191

W = 0.603 KG/M
PER = 146.40 MM



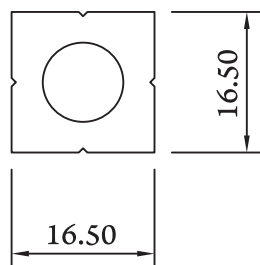
17250

W = 1.240 KG/M
PER = 405.08 MM



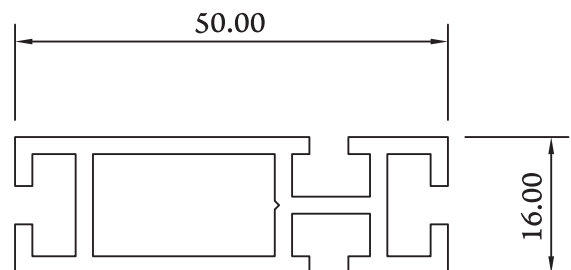
17251

W = 0.442 KG/M
PER = 134.28 MM



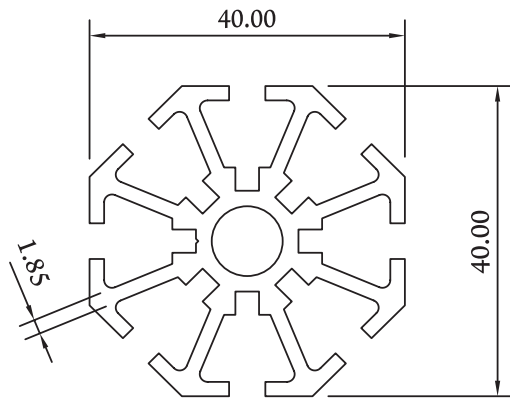
17252

W = 0.551 KG/M
PER = 67.66 MM



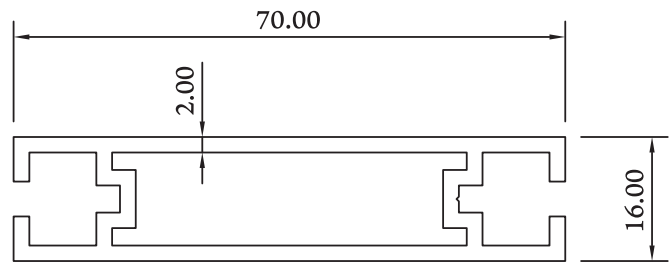
17257

W = 0.818 KG/M
PER = 236.00 MM



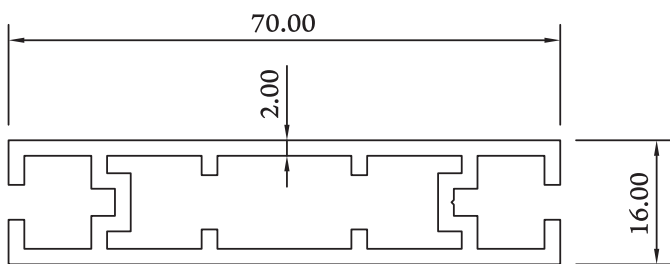
17135

W = 1.309 kg/m
PER = 421.33 mm



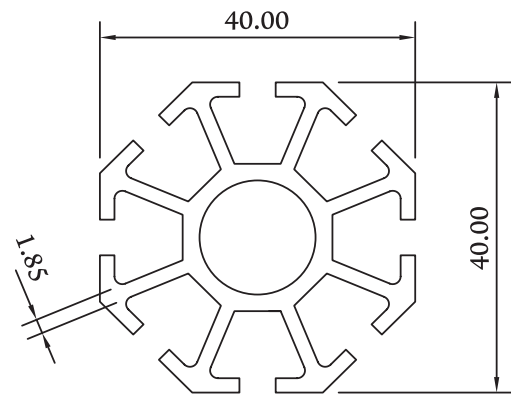
17136

W = 1.035 kg/m
PER = 256.25 mm



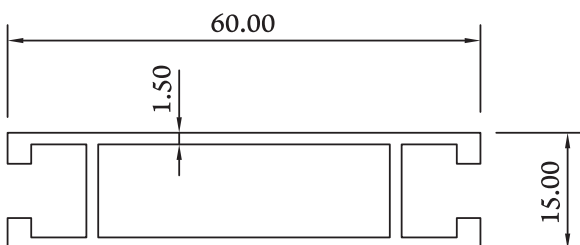
17136B

W = 1.100 kg/m
PER = 256.50 mm



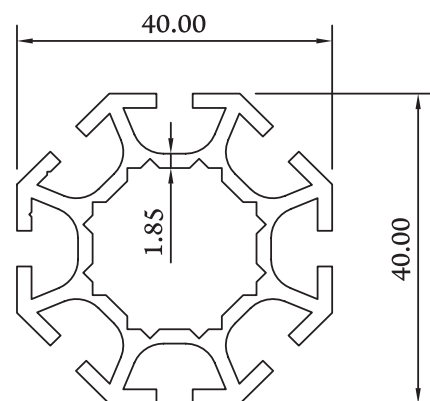
17139

W = 1.223 kg/m
PER = 334.08 mm



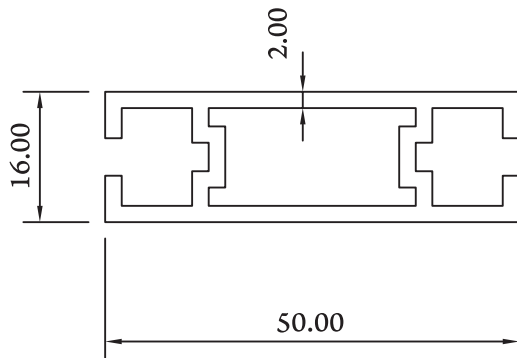
17140

W = 0.667 kg/m
PER = 210.00 mm



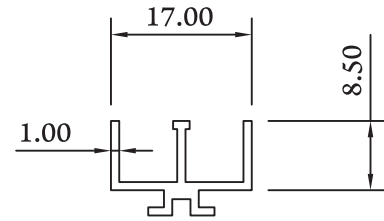
17141

W = 1.095 kg/m
PER = 349.71 mm



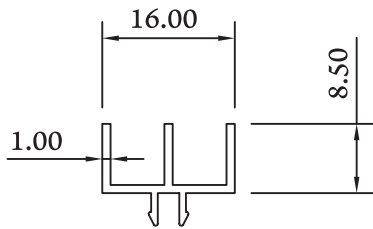
17257B

W = 0.796 kg/m
PER = 211.60 mm



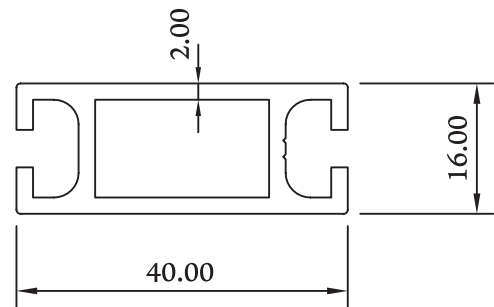
17326

W = 0.143 kg/m
PER = 100.80 mm



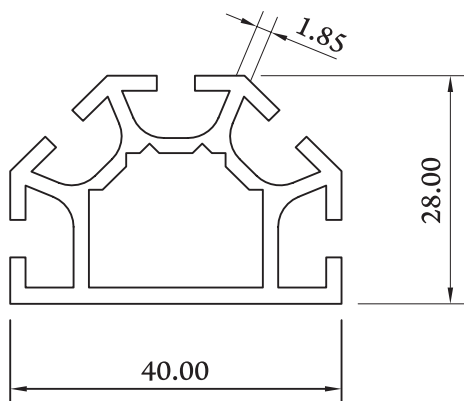
17326B

W = 0.122 kg/m
PER = 94.64 mm



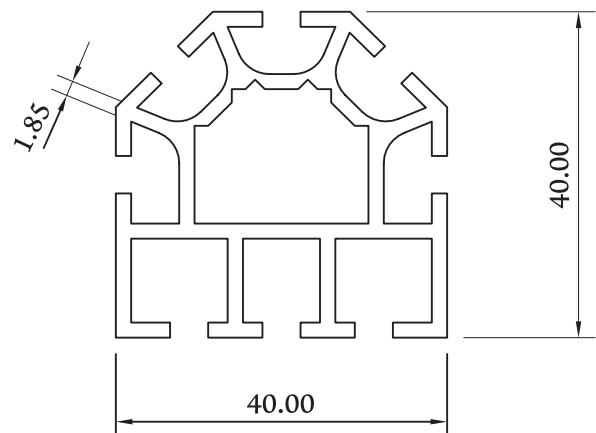
17338

W = 0.665 kg/m
PER = 166.49 mm



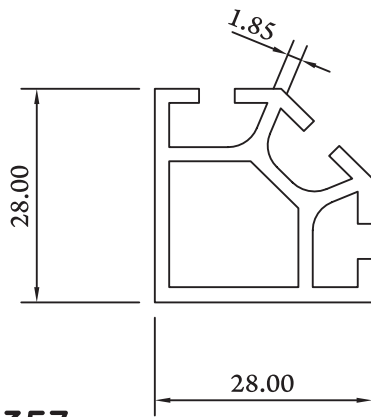
17355

W = 0.860 kg/m
PER = 260.58 mm



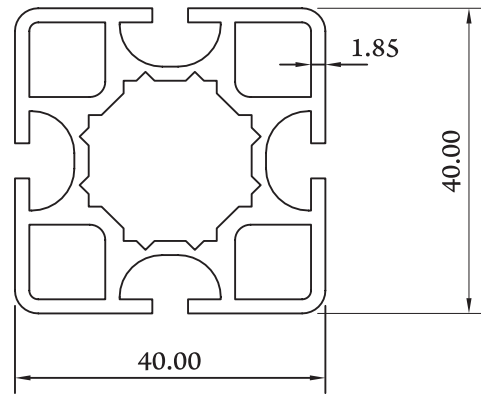
17356

W = 1.181 kg/m
PER = 395.08 mm



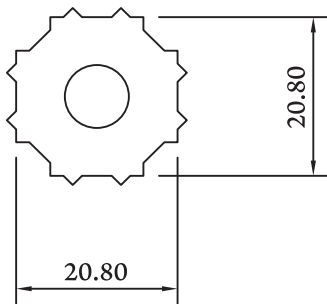
17357

W = 0.665 kg/m
PER = 189.64 mm



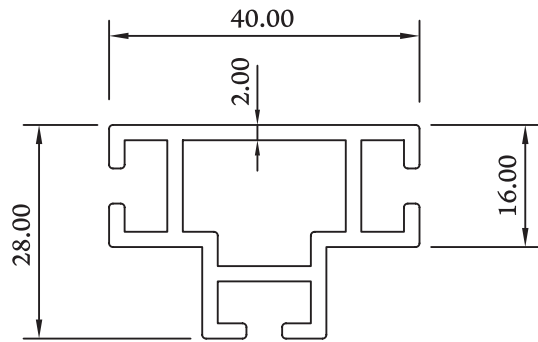
17358

W = 1.470 kg/m
PER = 264.63 mm



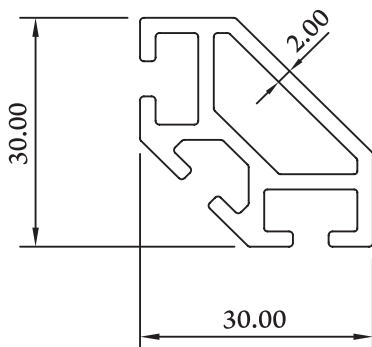
17359

W = 0.912 kg/m
PER = 84.79 mm



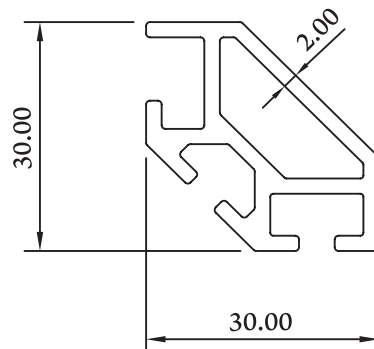
17360

W = 0.811 kg/m
PER = 221.54 mm



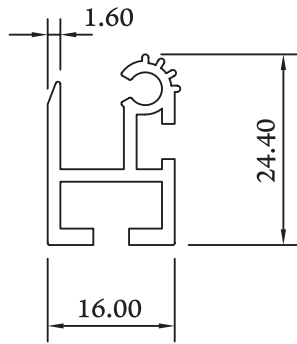
17361

W = 0.712 kg/m
PER = 182.35 mm



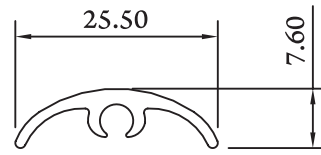
17361A

W = 0.692 kg/m
PER = 175.29 mm



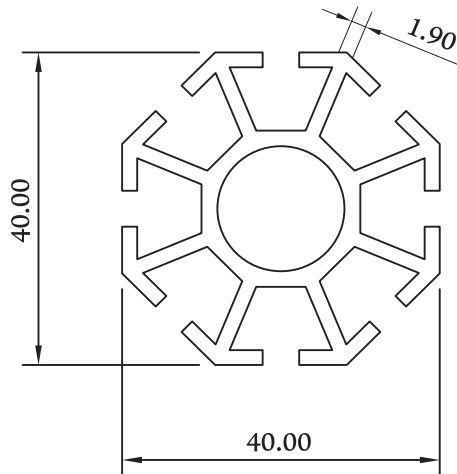
17362

W = 0.341 kg/m
PER = 162.79 mm



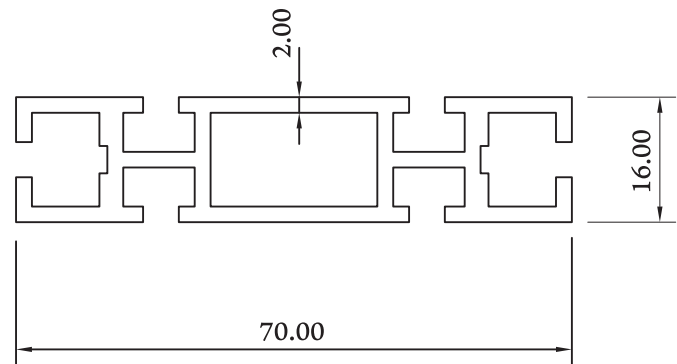
17363

W = 0.163 kg/m
PER = 75.19 mm



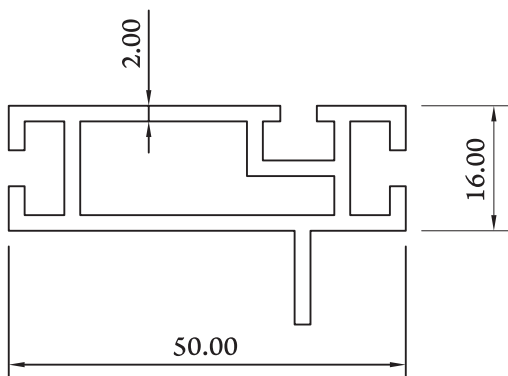
17364

W = 1.175 kg/m
PER = 382.95 mm



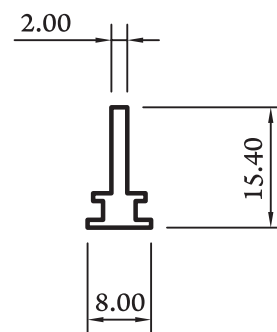
17365

W = 1.146 kg/m
PER = 340.00 mm



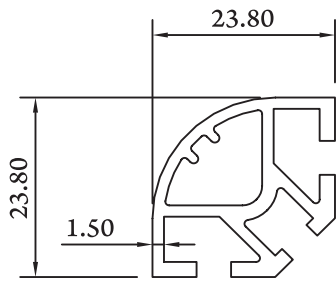
17378

W = 0.879 kg/m
PER = 236.40 mm



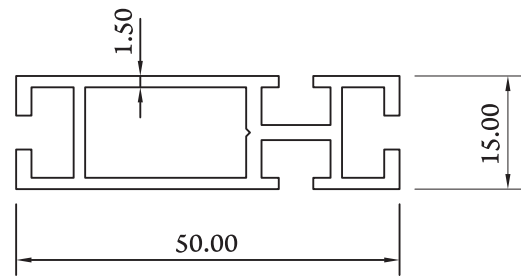
17386

W = 0.126 kg/m
PER = 51.80 mm



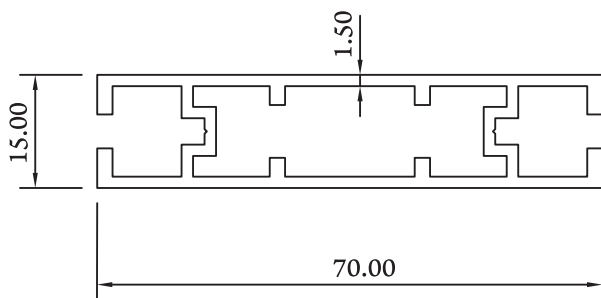
17387

W = 0.491 kg/m
PER = 162.08 mm



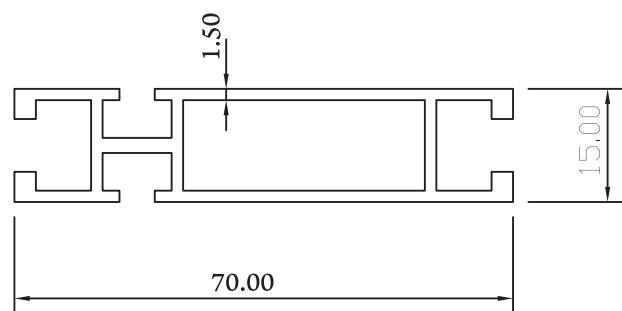
17388

W = 0.662 kg/m
PER = 234.00 mm



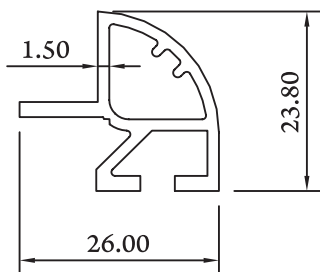
17389

W = 0.851 kg/m
PER = 256.50 mm



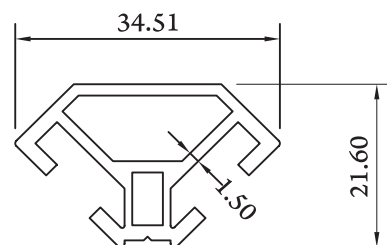
17402

W = 0.803 kg/m
PER = 273.60 mm



17427

W = 0.390 kg/m
PER = 126.67 mm

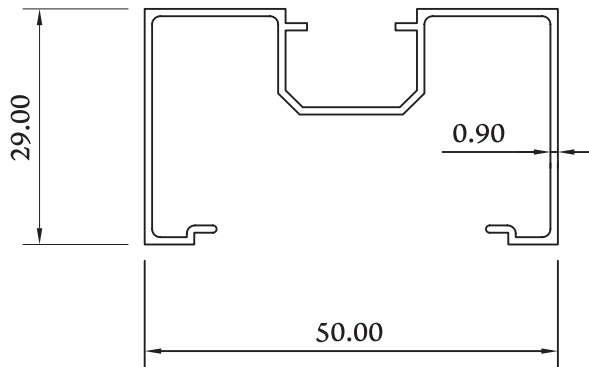


17447

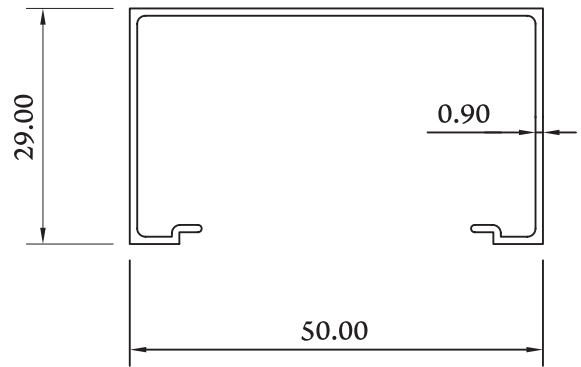
W = 0.480 kg/m
PER = 140.71 mm

SHOPFRONT 2"

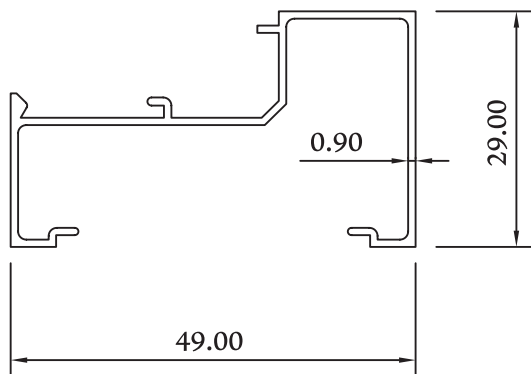
SHOPFRONT

**18700**

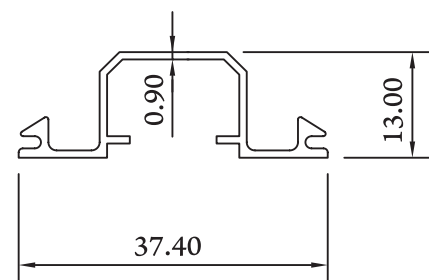
W = 0.371 kg/m
PER = 300.32 mm

**18701**

W = 0.305 kg/m
PER = 247.85 mm

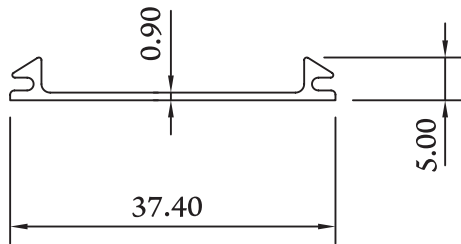
**18702**

W = 0.327 kg/m
PER = 260.24 mm

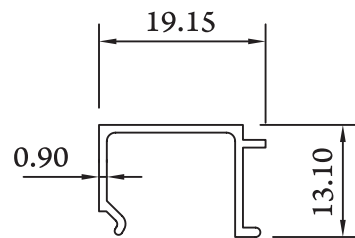
**18703**

W = 0.200 kg/m
PER = 150.51 mm

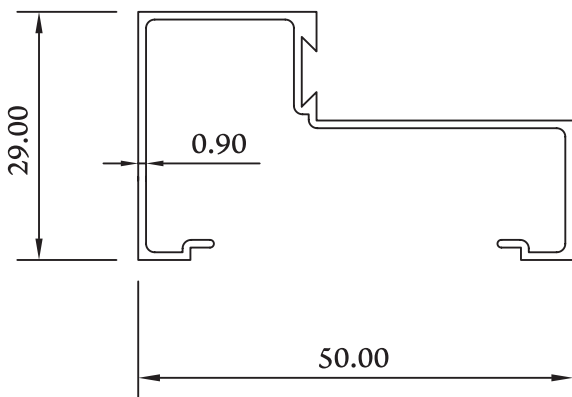
SHOPFRONT 2"

**18704**

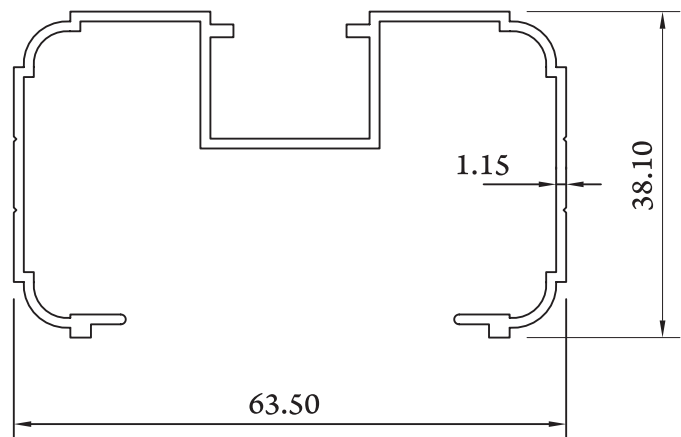
W = 0.133 kg/m
PER = 96.97 mm

**18705**

W = 0.116 kg/m
PER = 93.01 mm

**18706**

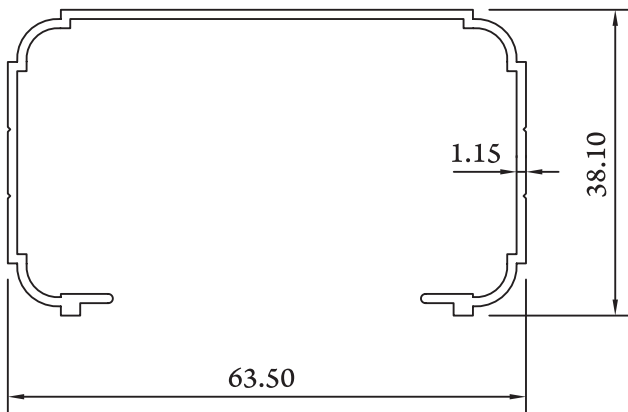
W = 0.326 kg/m
PER = 254.77 mm

**18354**

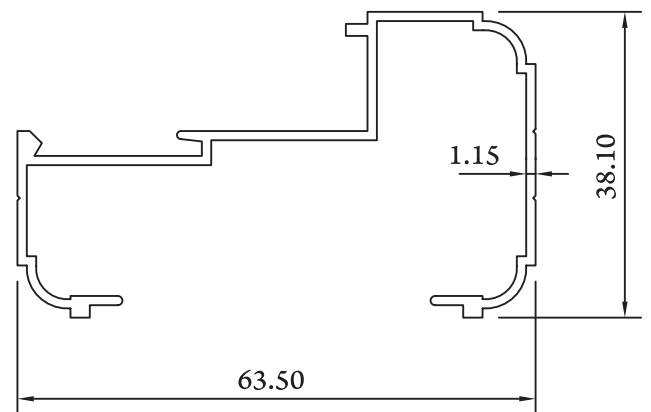
W = 0.603 kg/m
PER = 380.39 mm

SHOPFRONT 2"

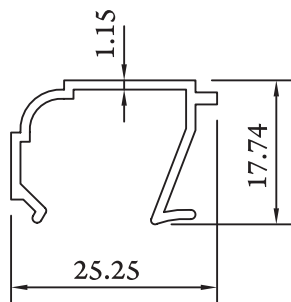
SHOPFRONT

**18355**

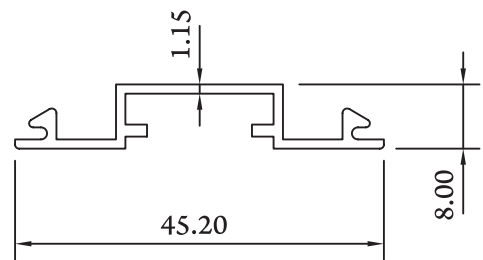
W = 0.489 kg/m
PER = 310.39 mm

**18356**

W = 0.535 kg/m
PER = 331.26 mm

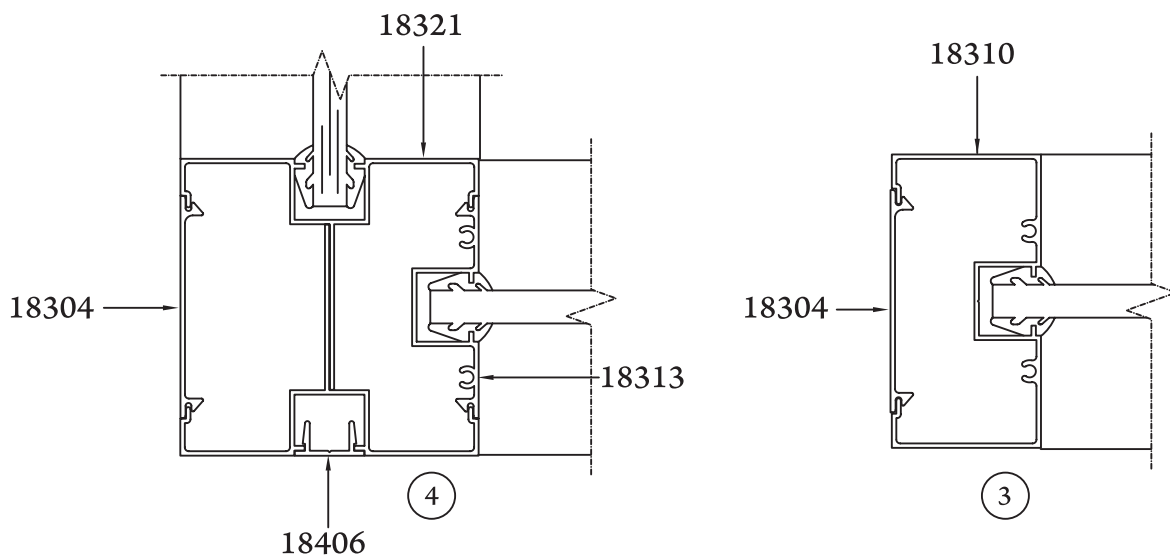
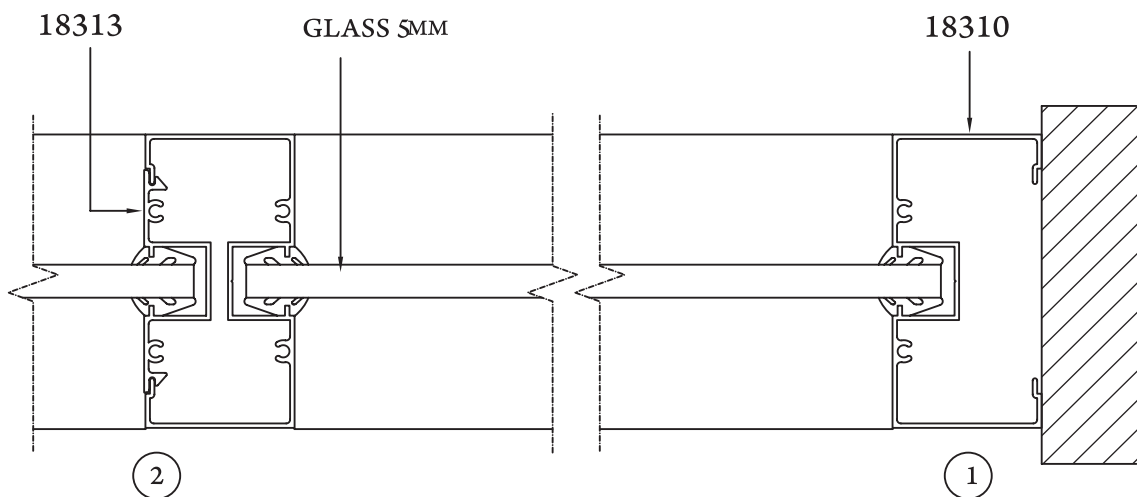
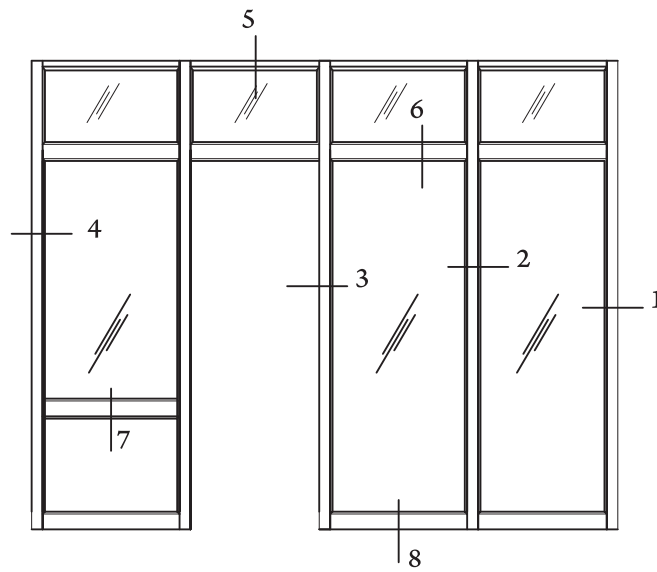
**18357**

W = 0.202 kg/m
PER = 129.15 mm

**18358**

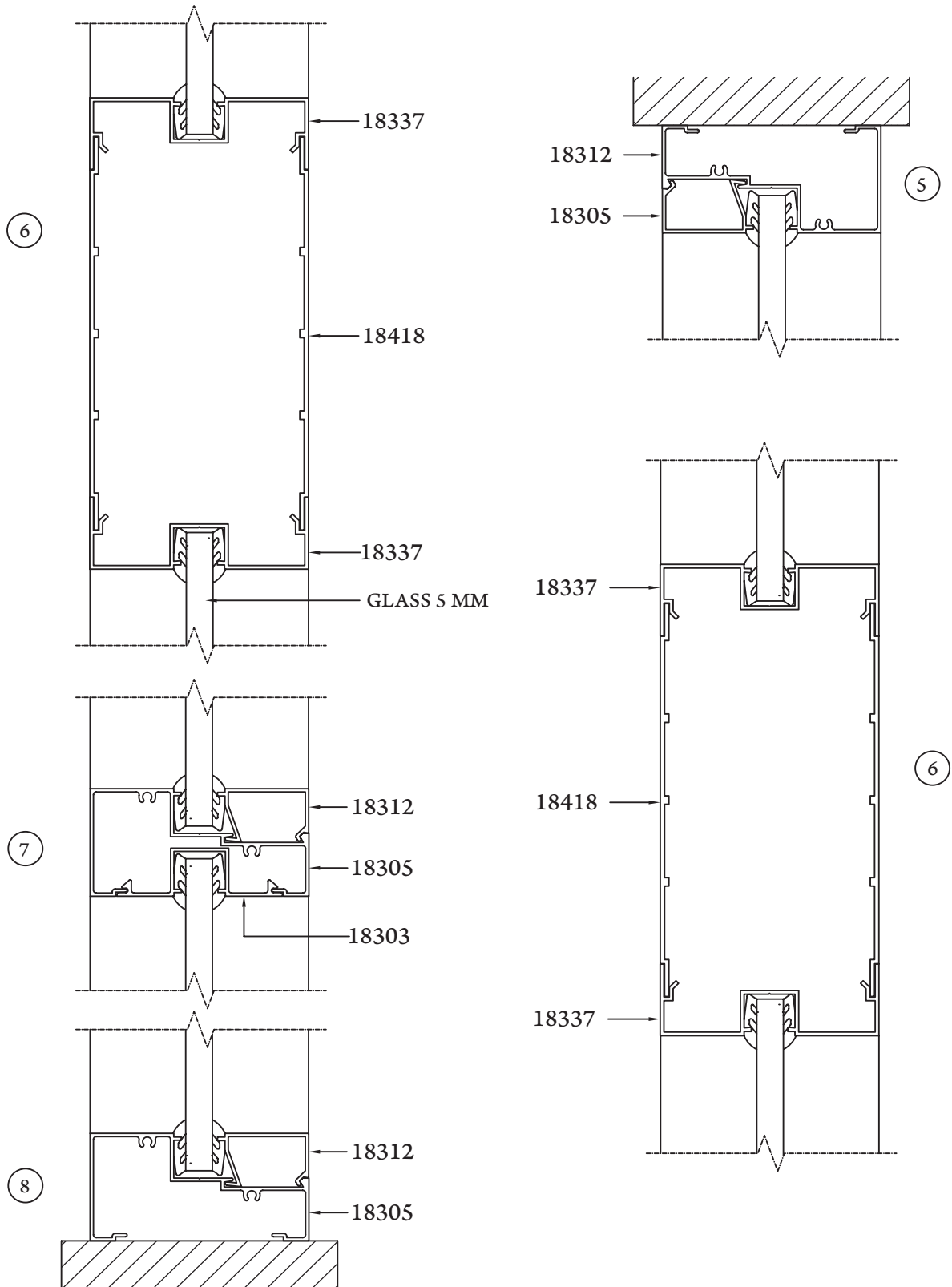
W = 0.246 kg/m
PER = 149.88 mm

SHOPFRONT 3"

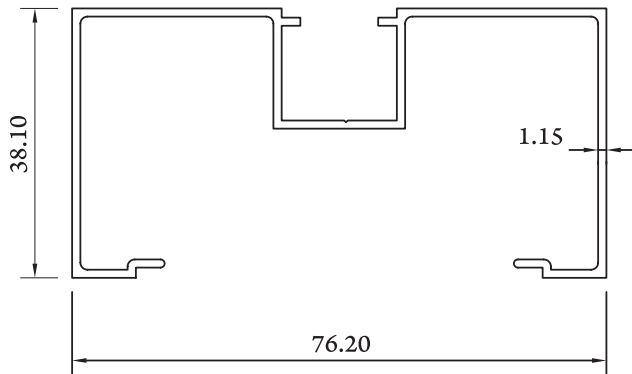


SHOPFRONT 3"

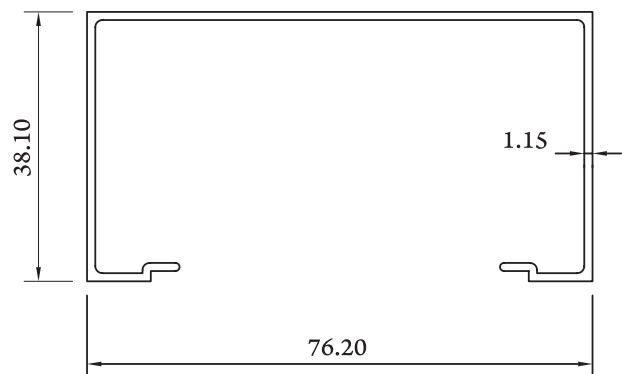
SHOPFRONT



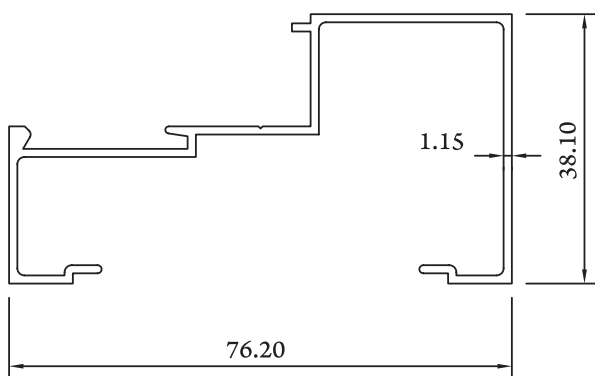
SHOPFRONT 3"

**18300**

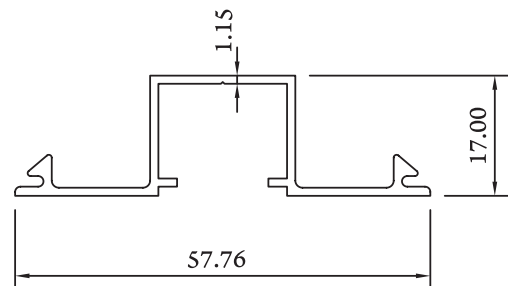
W = 0.669 kg/m
PER = 425.27 mm

**18301**

W = 0.551 kg/m
PER = 351.83 mm

**18302**

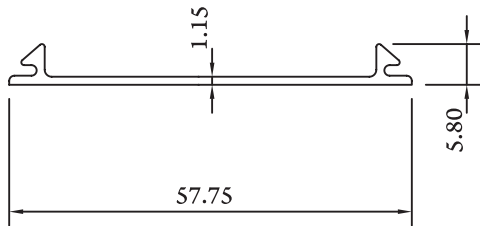
W = 0.592 kg/m
PER = 369.01 mm

**18303**

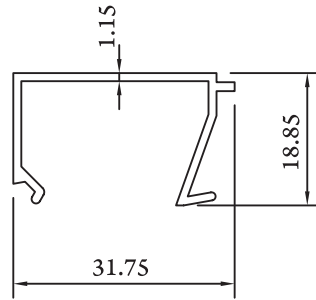
W = 0.358 kg/m
PER = 214.25 mm

SHOPFRONT 3"

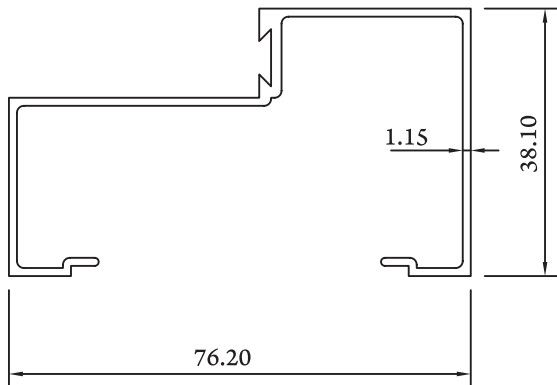
SHOPFRONT

**18304**

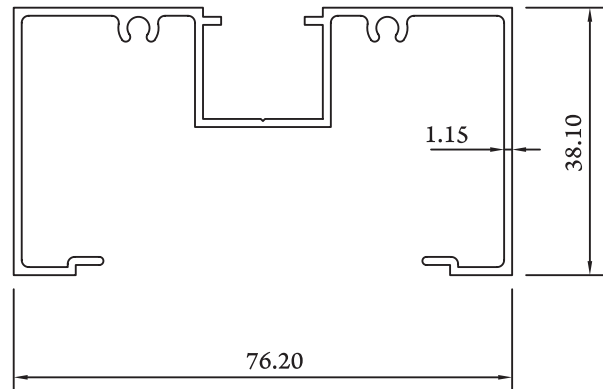
W = 0.231 kg/m
PER = 140.45 mm

**18305**

W = 0.232 kg/m
PER = 149.10 mm

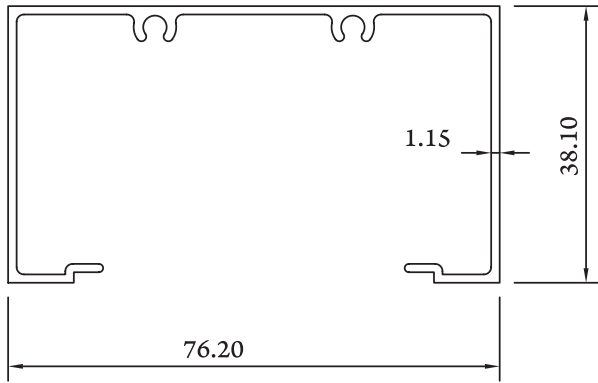
**18306**

W = 0.584 kg/m
PER = 358.53 mm

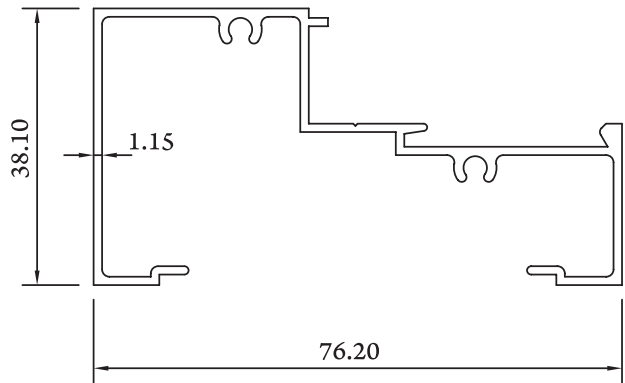
**18310**

W = 0.739 kg/m
PER = 449.17 mm

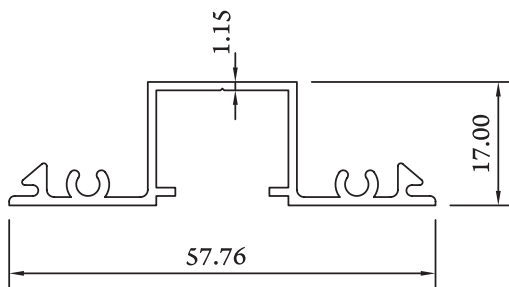
SHOPFRONT 3"

**18311**

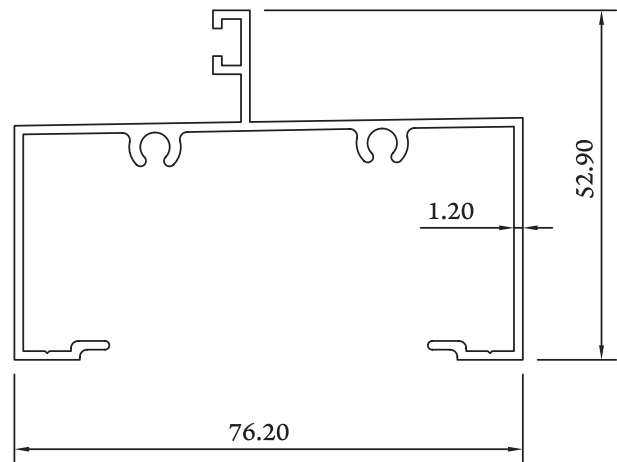
W = 0.627 kg/m
PER = 376.61 mm

**18312**

W = 0.663 kg/m
PER = 391.90 mm

**18313**

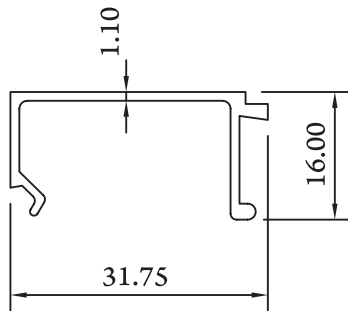
W = 0.410 kg/m
PER = 237.55 mm

**18320**

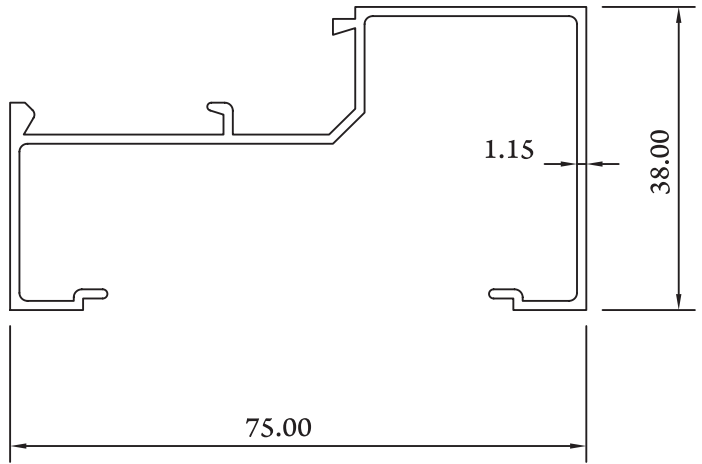
W = 0.738 kg/m
PER = 433.13 mm

SHOPFRONT 3"

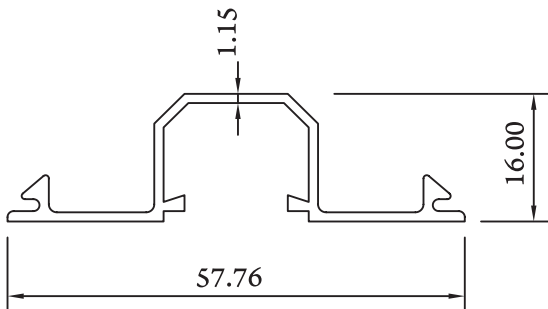
SHOPFRONT

**18316**

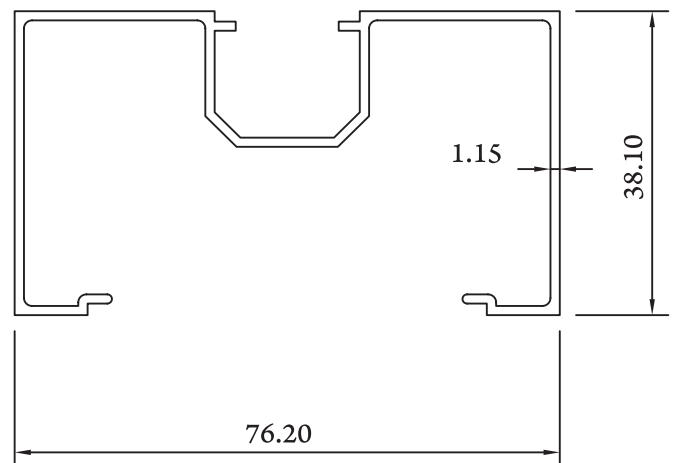
W = 0.215 kg/m
PER = 130.30 mm

**18317**

W = 0.569 kg/m
PER = 370.78 mm

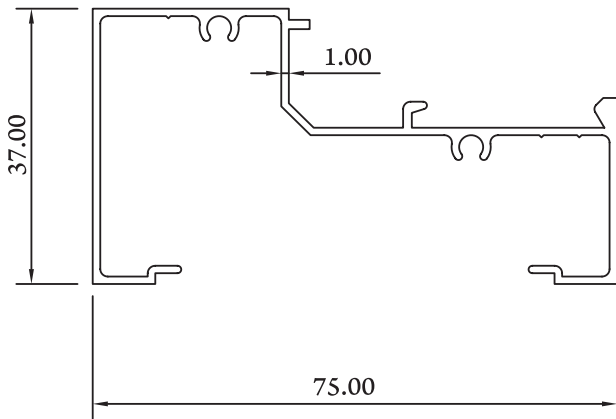
**18318**

W = 0.328 kg/m
PER = 200.27 mm

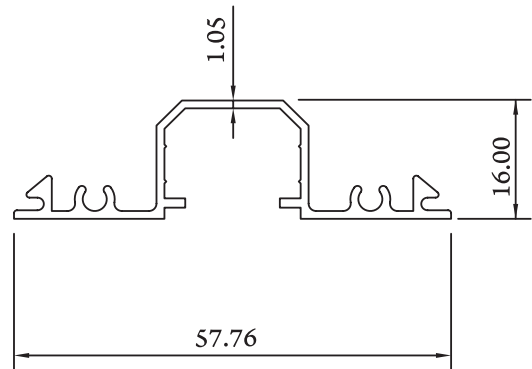
**18319**

W = 0.650 kg/m
PER = 416.53 mm

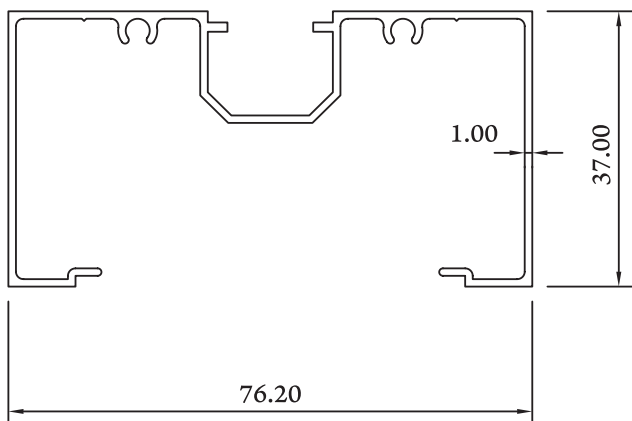
SHOPFRONT 3"

**18326B**

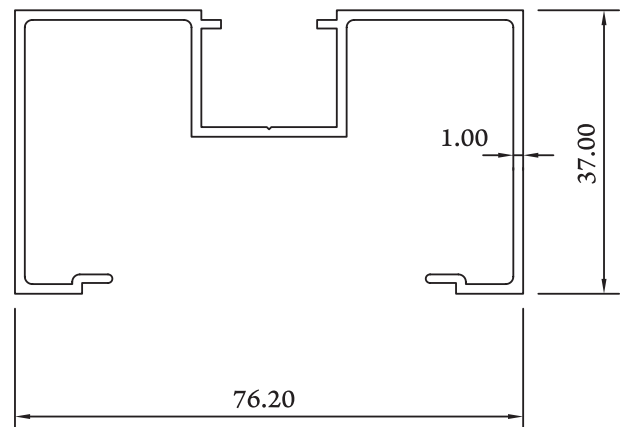
W = 0.556 kg/m
PER = 283.69 mm

**18327**

W = 0.354 kg/m
PER = 225.12 mm

**18328B**

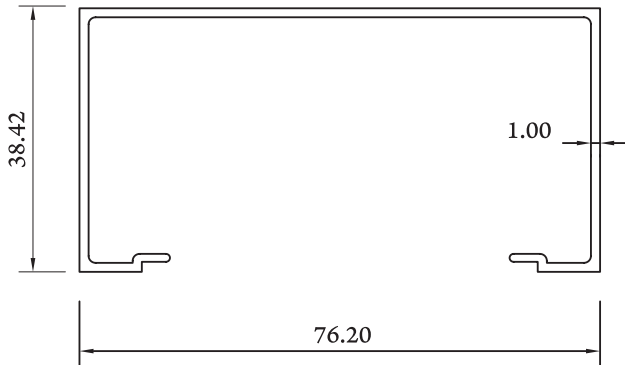
W = 0.599 kg/m
PER = 425.50 mm

**18300C**

W = 0.563 kg/m
PER = 412.01 mm

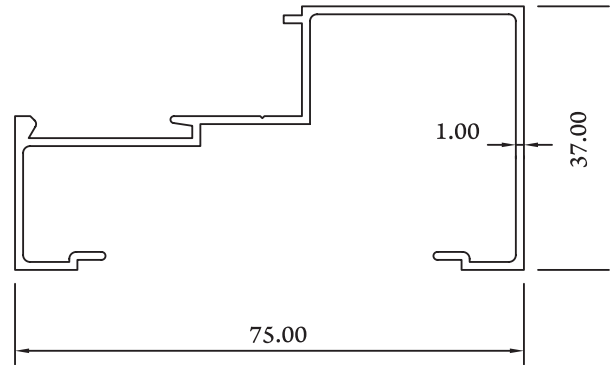
SHOPFRONT 3"

SHOPFRONT



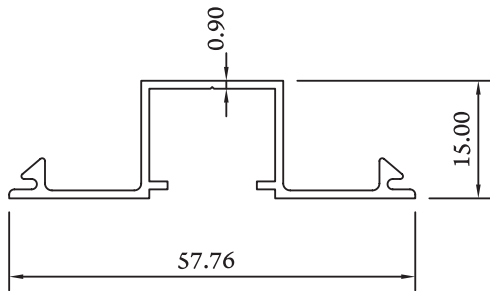
18301C

W = 0.472 kg/m
PER = 346.46 mm



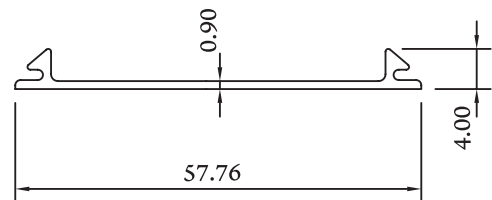
18302C

W = 0.505 kg/m
PER = 358.47 mm



18303C

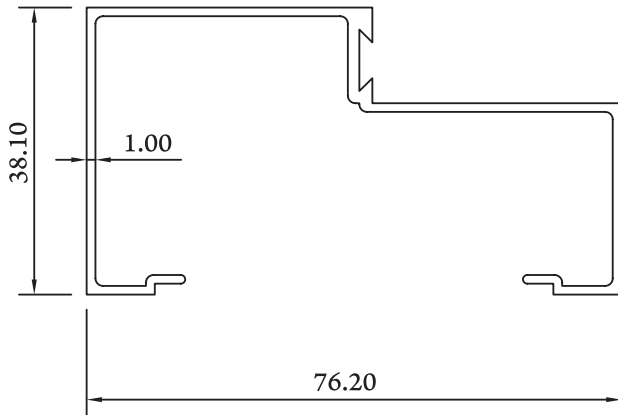
W = 0.251 kg/m
PER = 198.65 mm



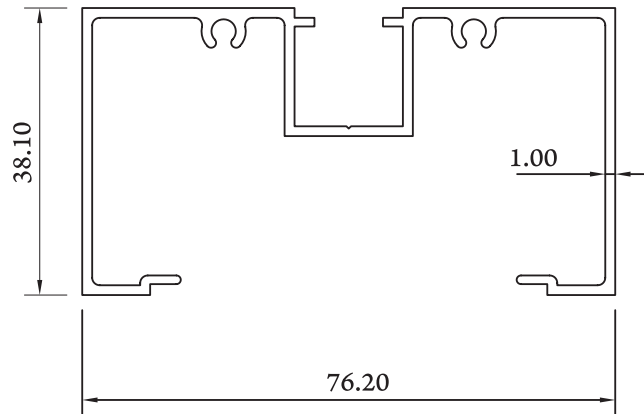
18304C

W = 0.167 kg/m
PER = 132.83 mm

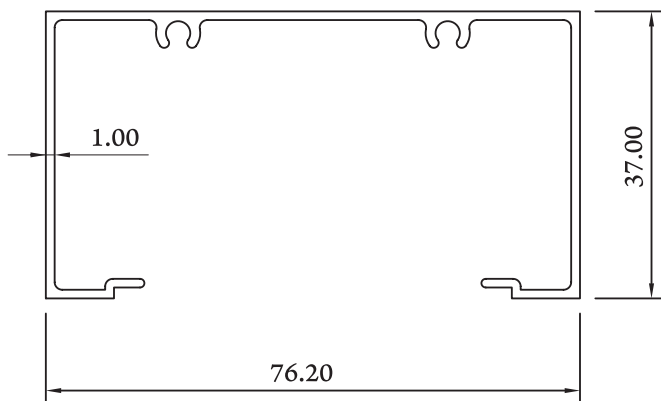
SHOPFRONT 3"

**18306T**

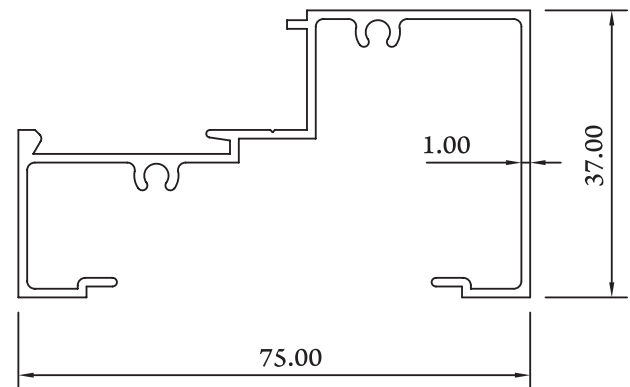
W = 0.518 kg/m
PER = 360.36 mm

**18310C**

W = 0.607 kg/m
PER = 433.49 mm

**18311C**

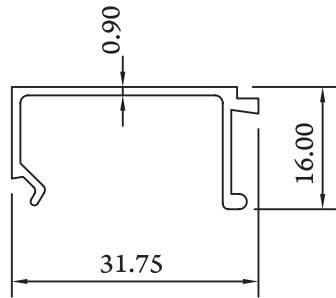
W = 0.515 kg/m
PER = 367.95 mm

**18312C**

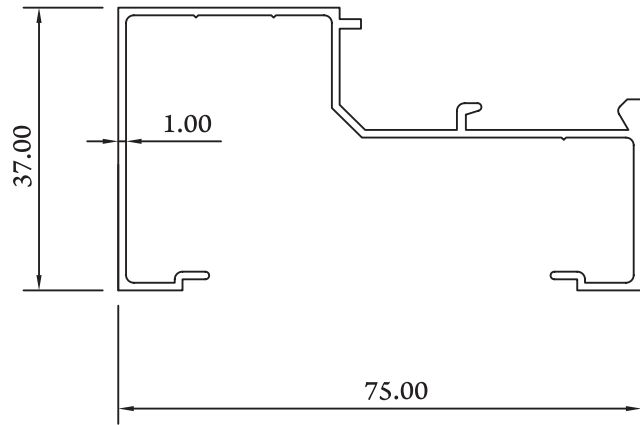
W = 0.549 kg/m
PER = 379.95 mm

SHOPFRONT 3"

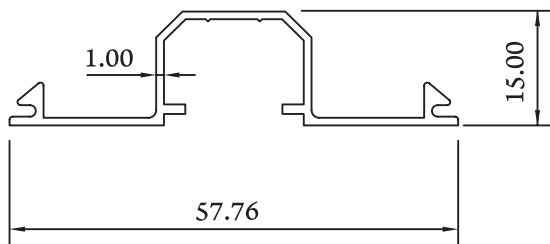
SHOPFRONT

**18316B**

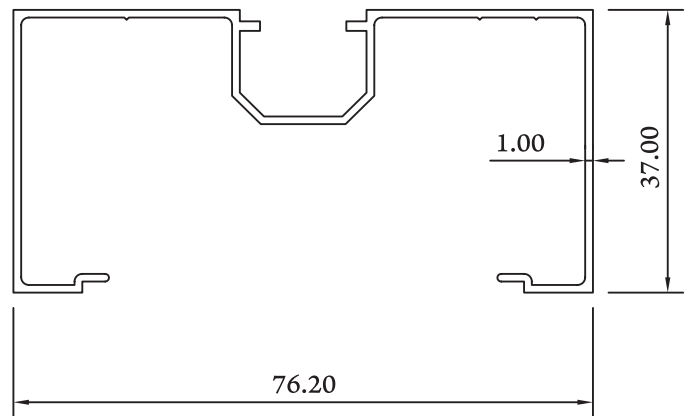
W = 0.170 kg/m
PER = 131.44 mm

**18317C**

W = 0.513 kg/m
PER = 361.21 mm

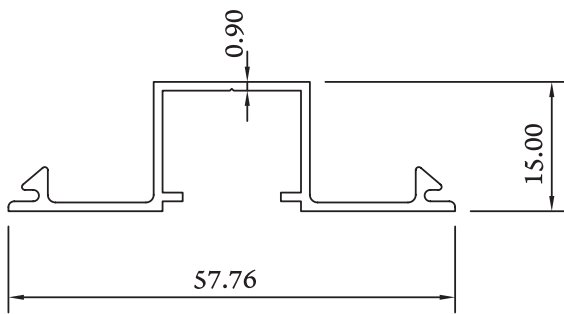
**18318C**

W = 0.290 kg/m
PER = 198.92 mm

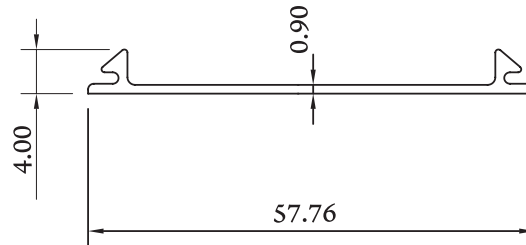
**18319C**

W = 0.555 kg/m
PER = 403.82 mm

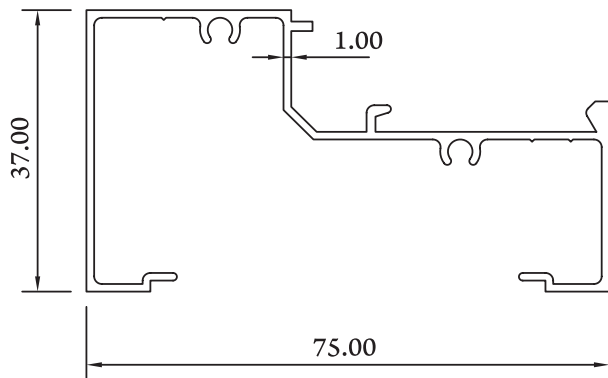
SHOPFRONT 3"

**18303C**

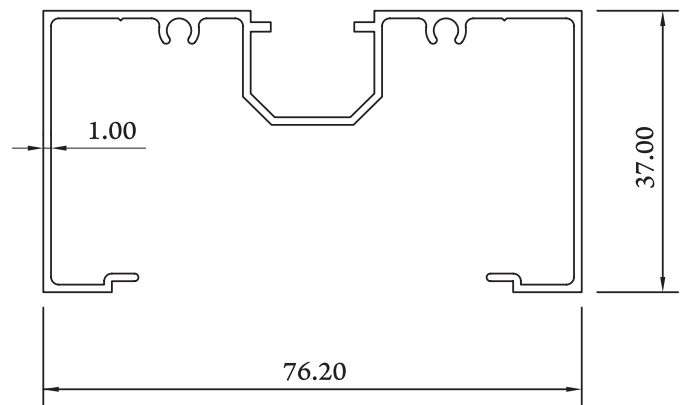
W = 0.251 kg/m
PER = 198.65 mm

**18304C**

W = 0.167 kg/m
PER = 132.83 mm

**18326C**

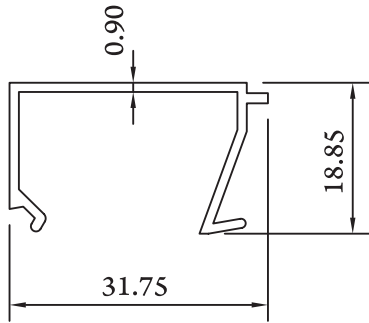
W = 0.556 kg/m
PER = 382.69 mm

**18328C**

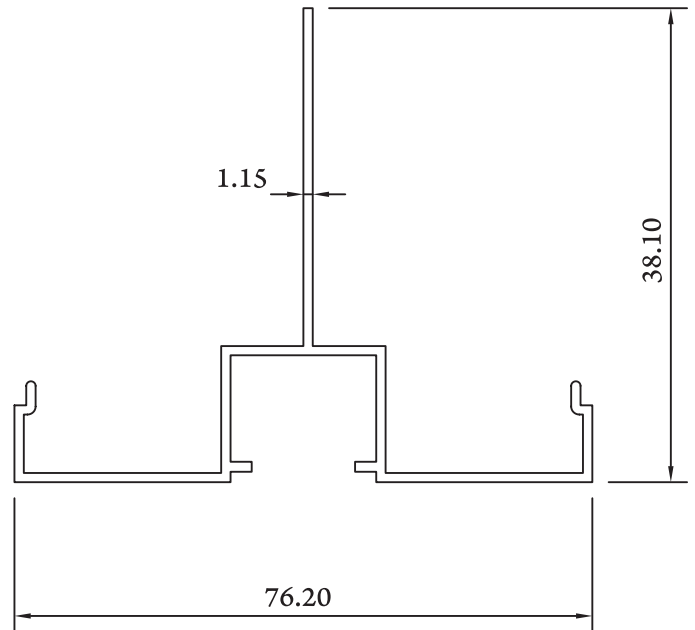
W = 0.599 kg/m
PER = 425.50 mm

SHOPFRONT 3"

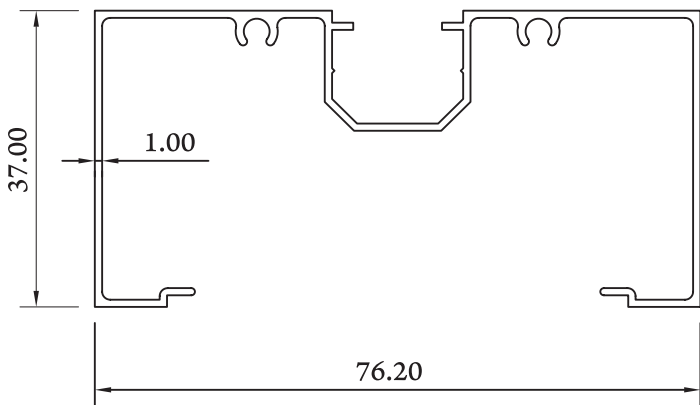
SHOPFRONT

**18305B**

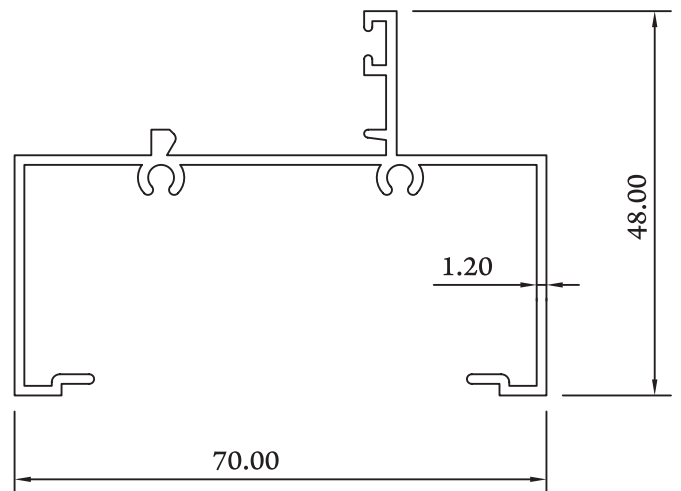
W = 0.188 kg/m
PER = 150.71 mm

**18321**

W = 0.566 kg/m
PER = 362.27 mm

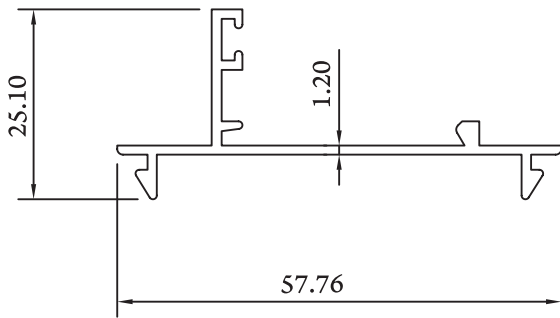
**18328B**

W = 0.599 kg/m
PER = 425.50 mm

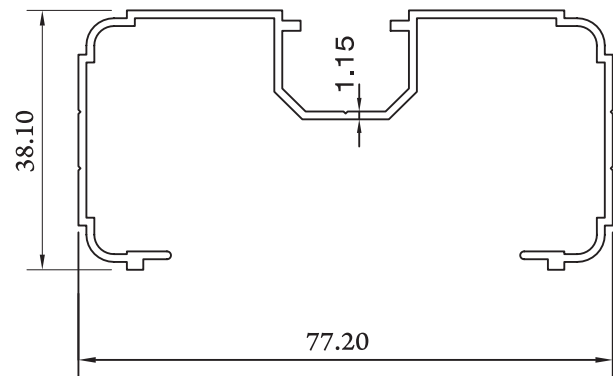
**18329**

W = 0.651 kg/m
PER = 387.39 mm

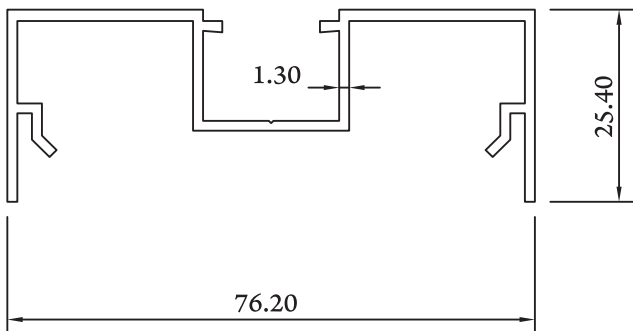
SHOPFRONT 3"

**18330**

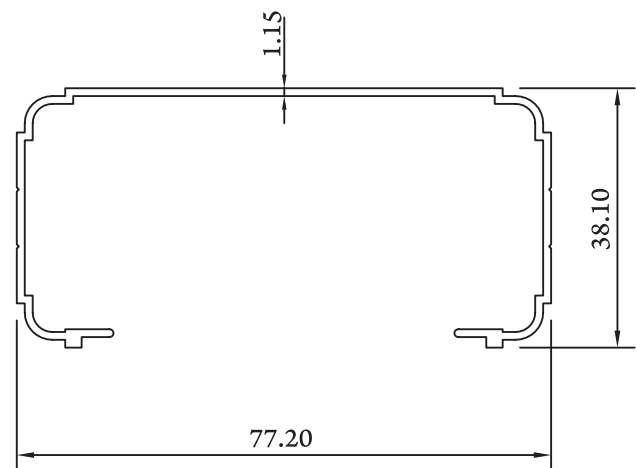
W = 0.360 kg/m
PER = 206.18 mm

**18348**

W = 0.640 kg/m
PER = 403.95 mm

**18337**

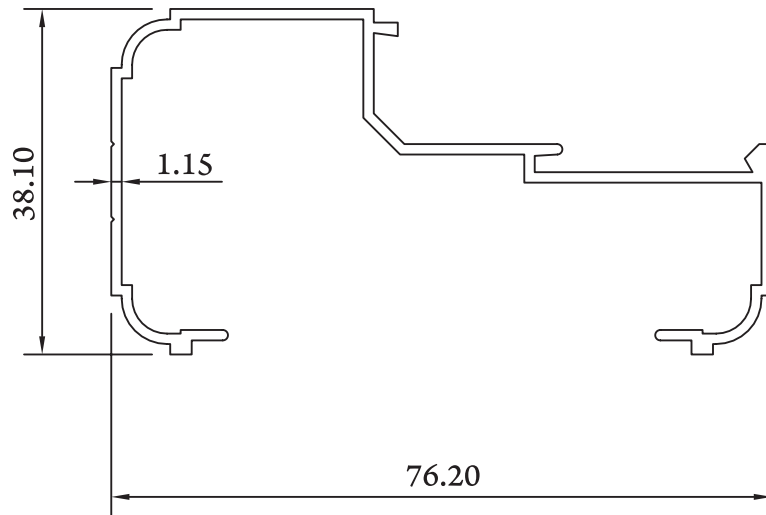
W = 0.657 kg/m
PER = 375.80 mm

**18349**

W = 0.544 kg/m
PER = 345.62 mm

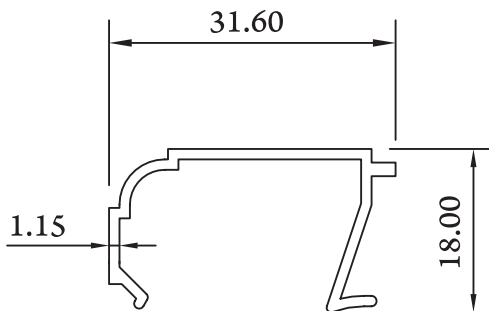
SHOPFRONT 3"

SHOPFRONT



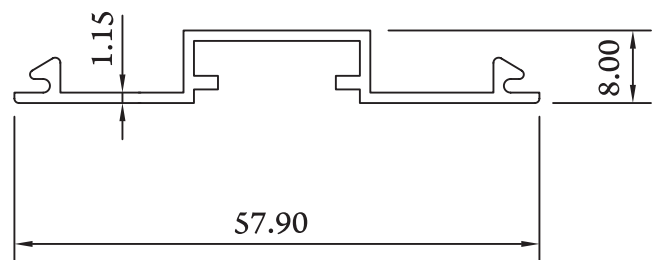
18350

W = 0.568 kg/m
PER = 352.46 mm



18352

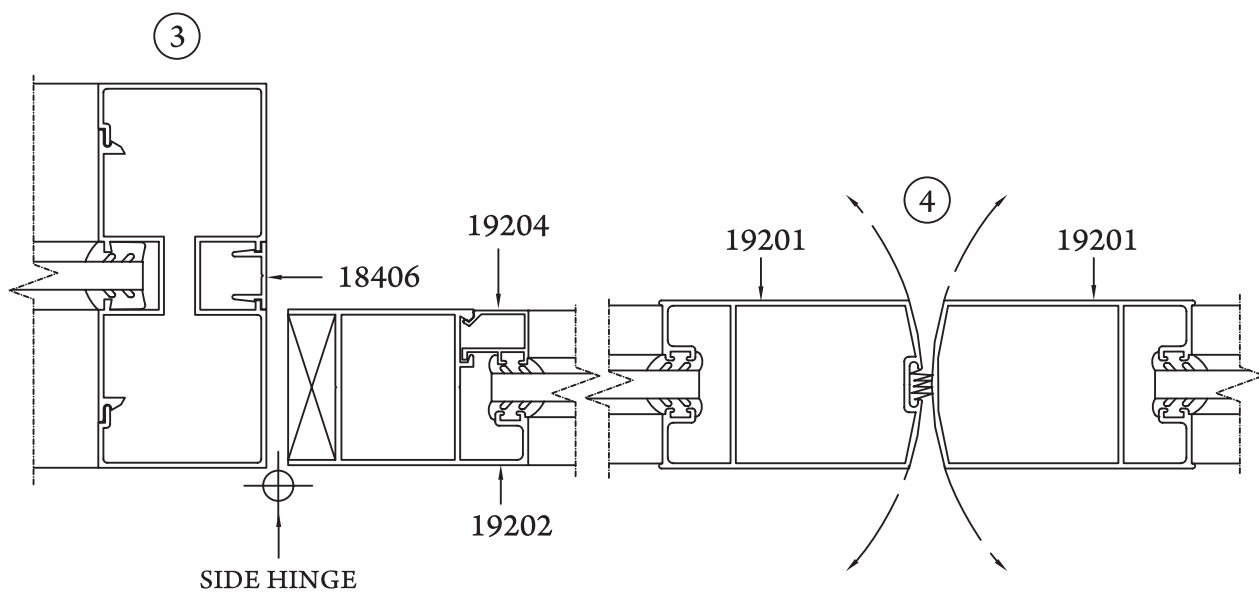
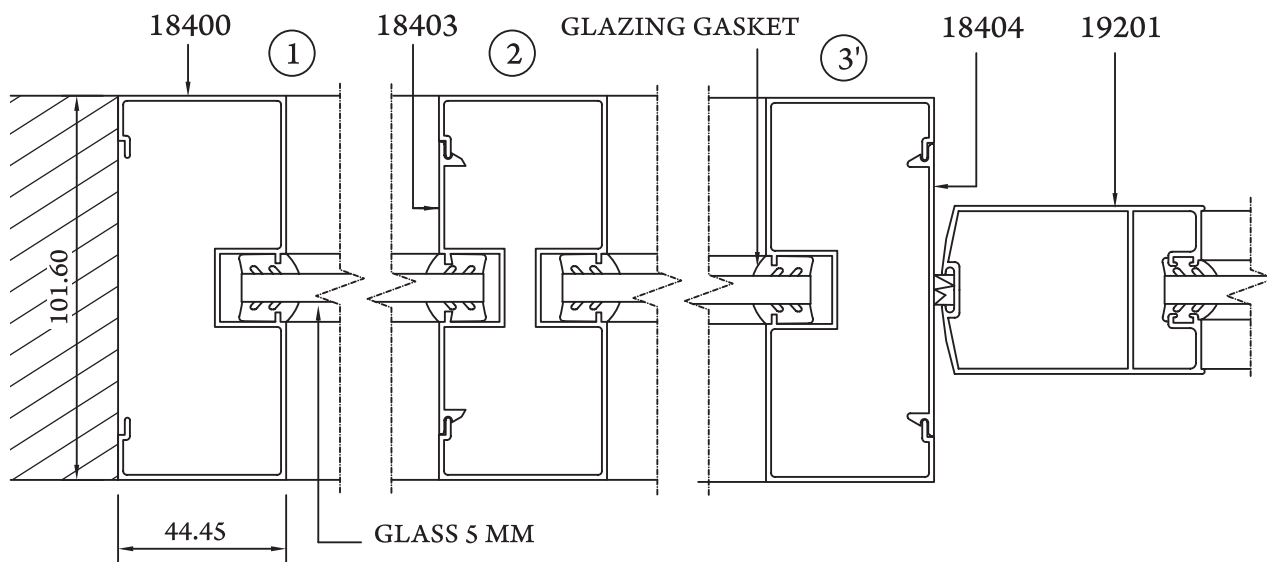
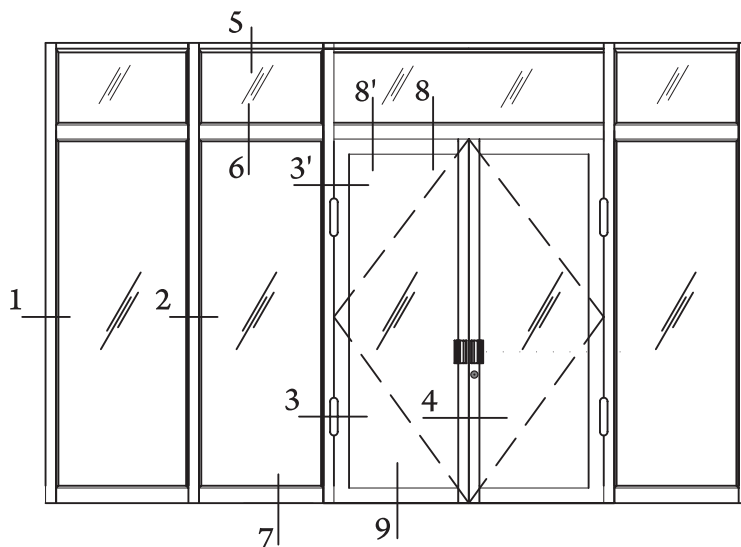
W = 0.220 kg/m
PER = 139.96 mm



18353

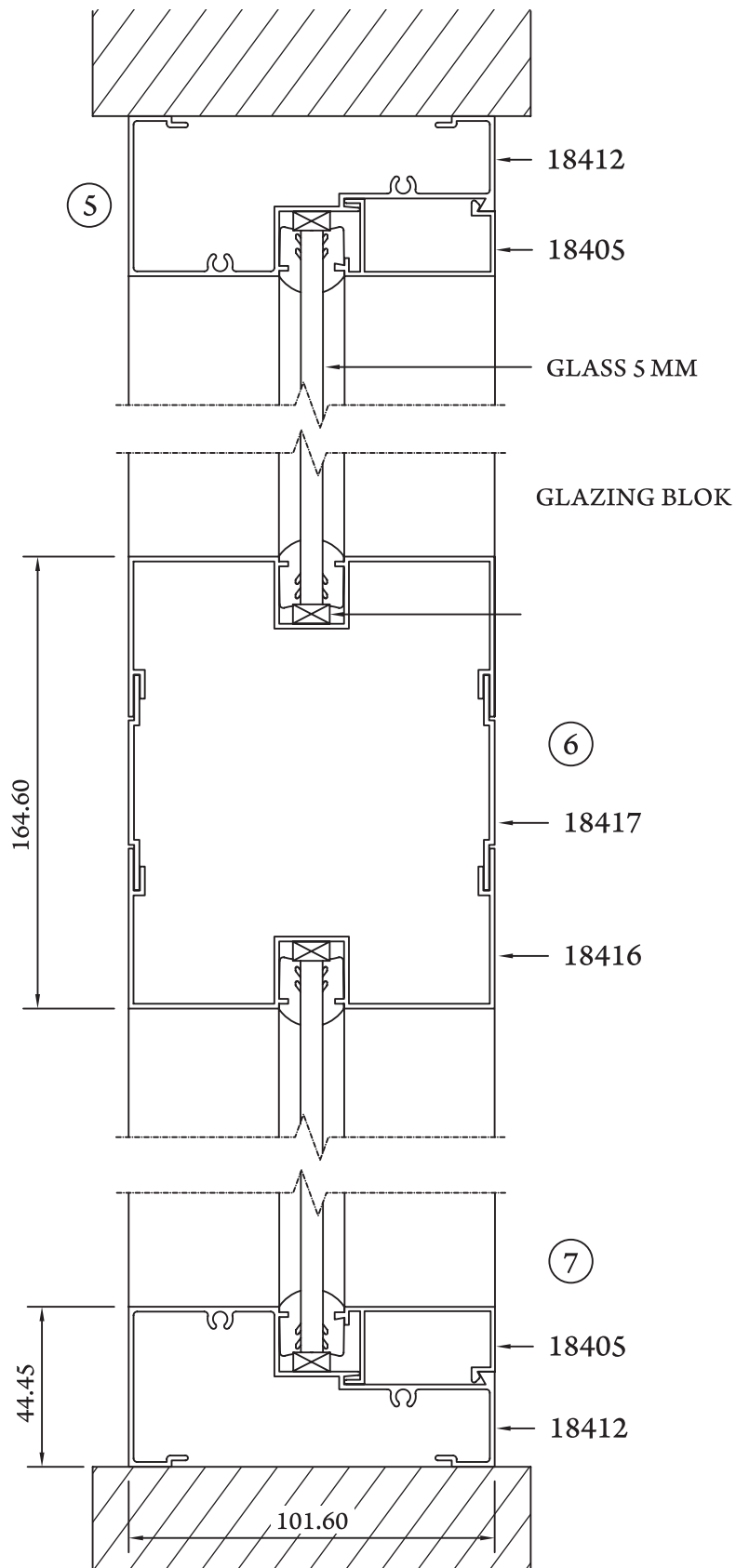
W = 0.286 kg/m
PER = 175.28 mm

SHOPFRONT 4''



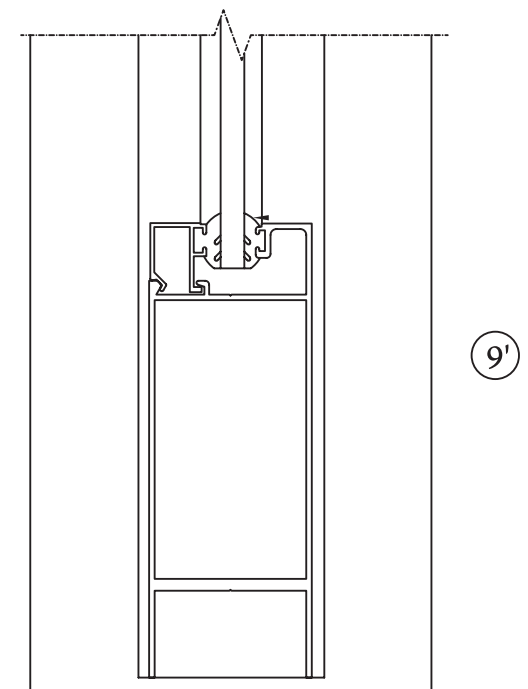
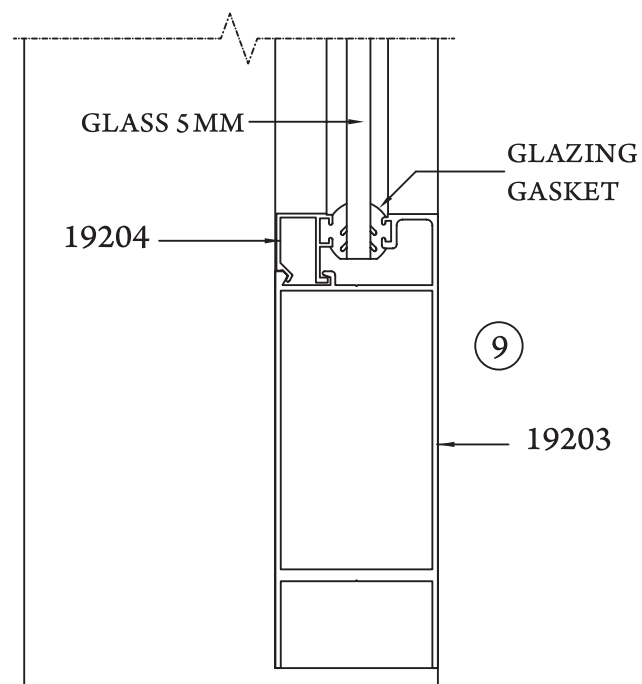
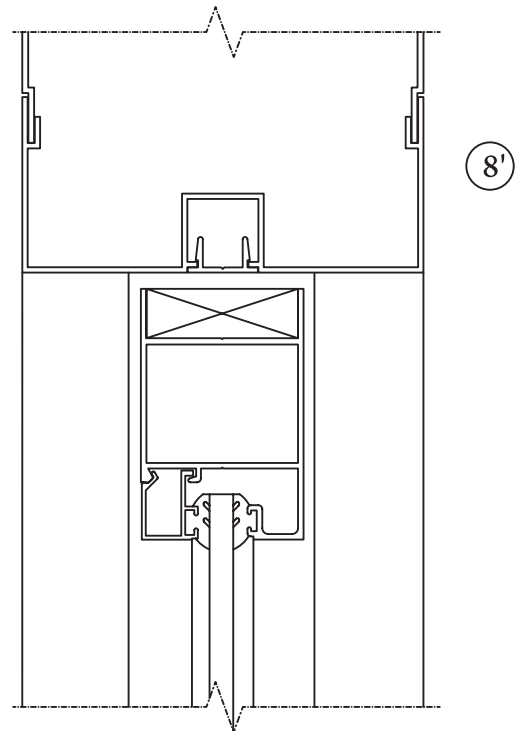
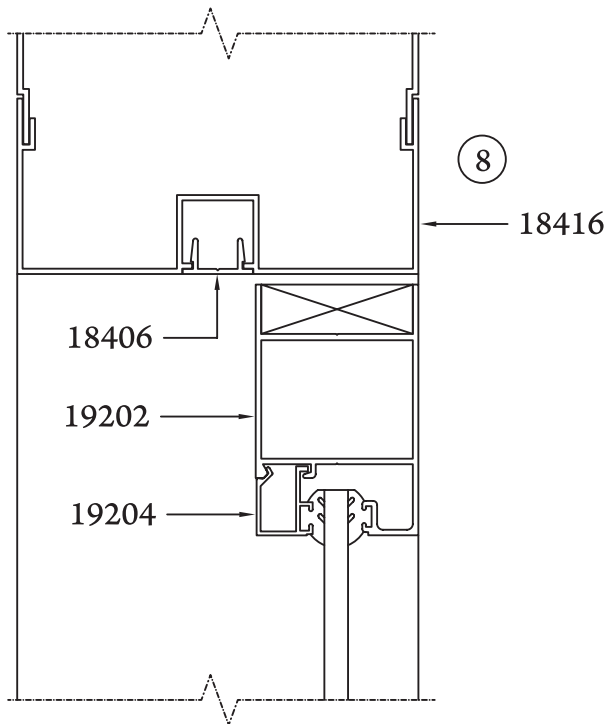
SHOPFRONT 4"

SHOPFRONT

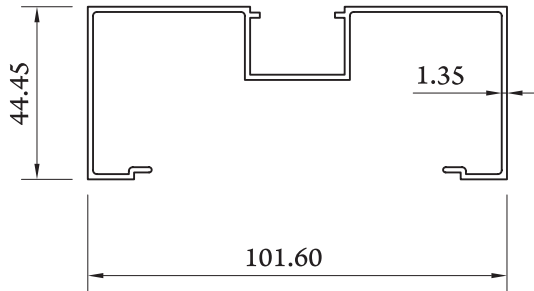


SHOPFRONT 4"

SHOPFRONT

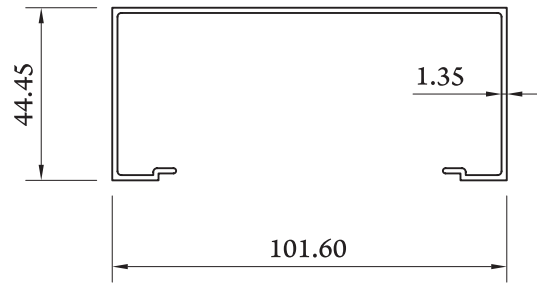


SHOPFRONT 4"



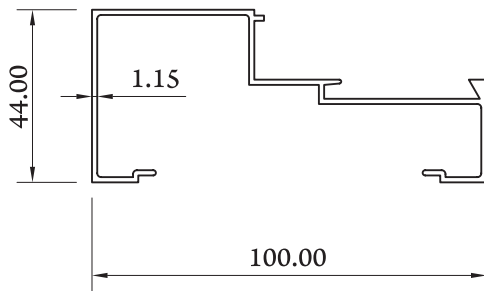
18400

W = 0.958 kg/m
PER = 543.51 mm



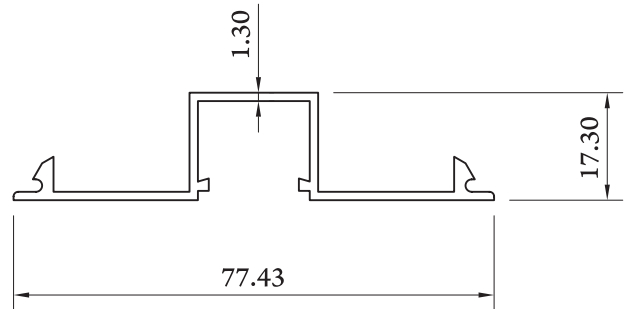
18401

W = 0.811 kg/m
PER = 442.09 mm



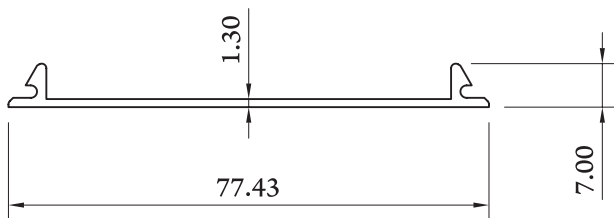
18402

W = 0.871 kg/m
PER = 465.24 mm



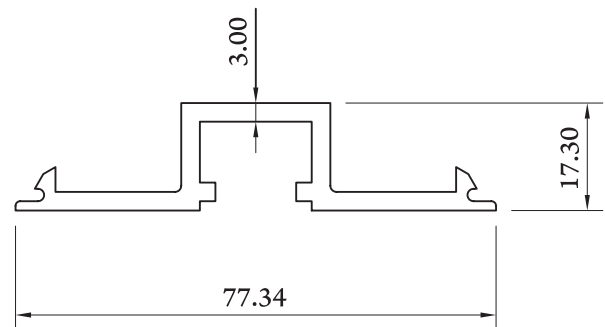
18403

W = 0.480 kg/m
PER = 256.17 mm



18404

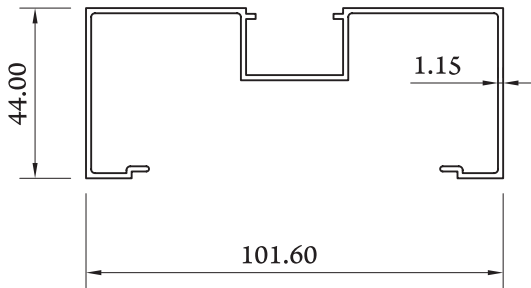
W = 0.340 kg/m
PER = 180.93 mm



18438

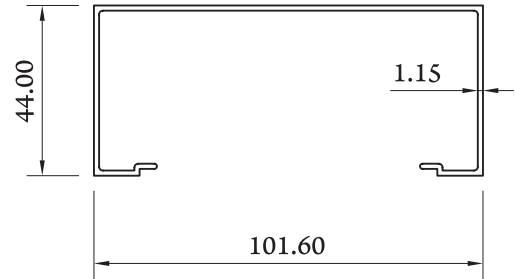
W = 0.912 kg/m
PER = 243.00 mm

SHOPFRONT 4"



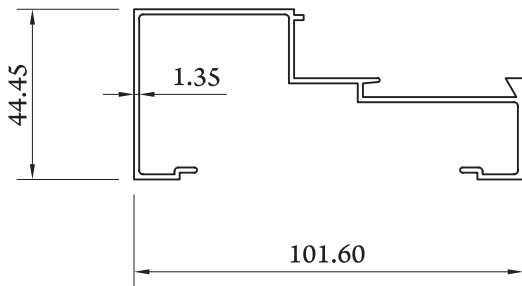
18400B

W = 0.796 kg/m
PER = 506.30 mm



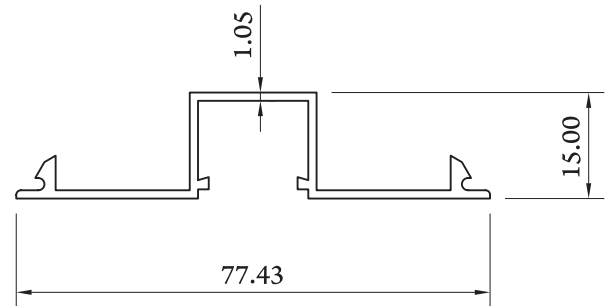
18401B

W = 0.692 kg/m
PER = 442.65 mm



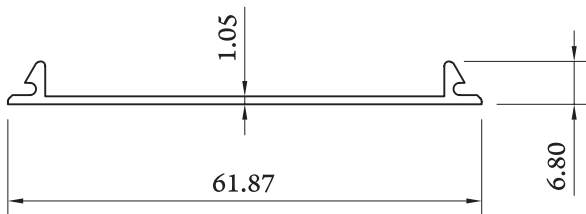
18402B

W = 0.738 kg/m
PER = 485.64 mm



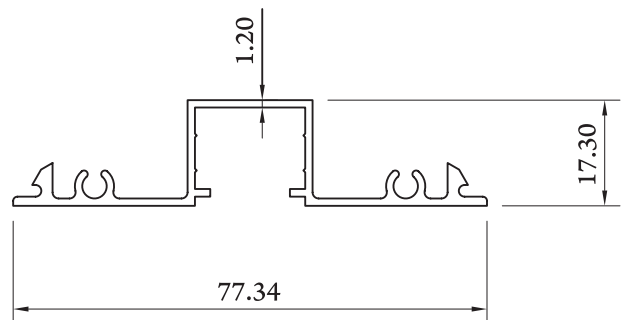
18403B

W = 0.380 kg/m
PER = 248.60 mm



18404B

W = 0.296 kg/m
PER = 181.98 mm

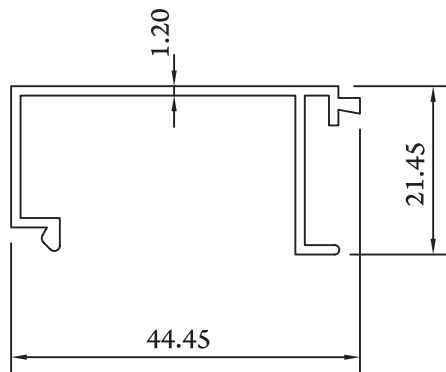


18413T

W = 0.519 kg/m
PER = 284.78 mm

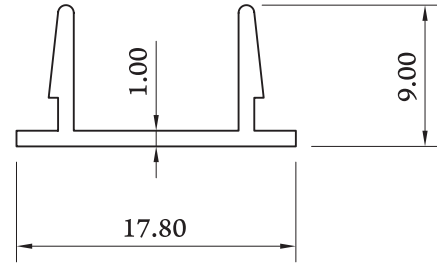
SHOPFRONT 4"

SHOPFRONT



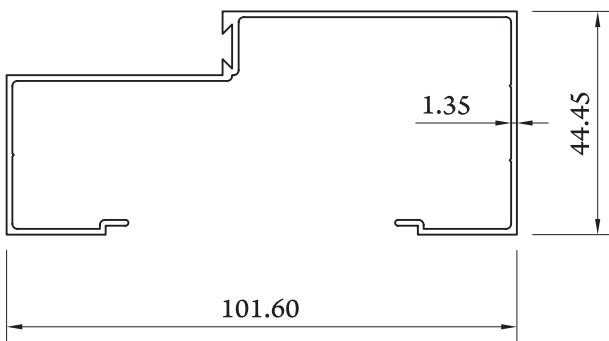
18405

W = 0.330 kg/m
PER = 198.65 mm



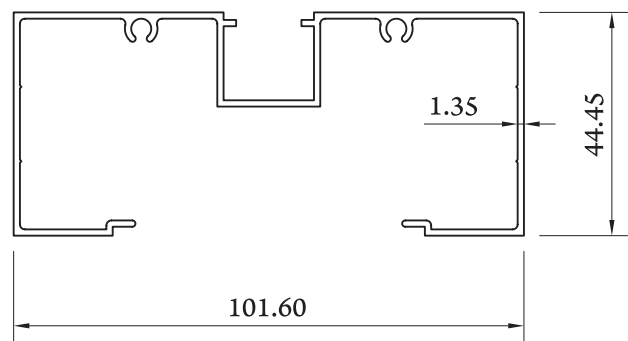
18406

W = 0.120 kg/m
PER = 69.57 mm



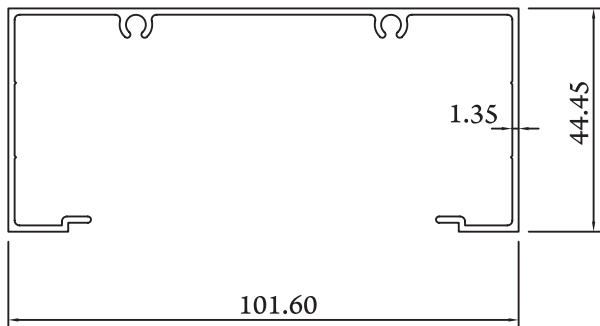
18407

W = 0.843 kg/m
PER = 449.01 mm



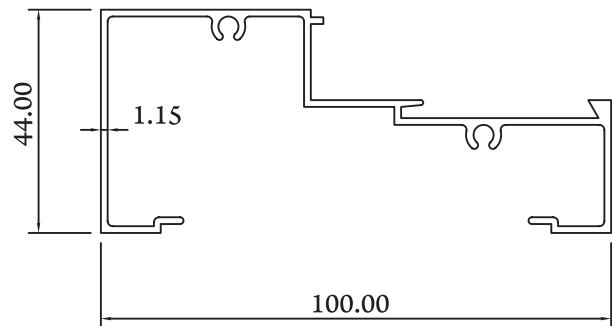
18410

W = 1.049 kg/m
PER = 576.59 mm



18411

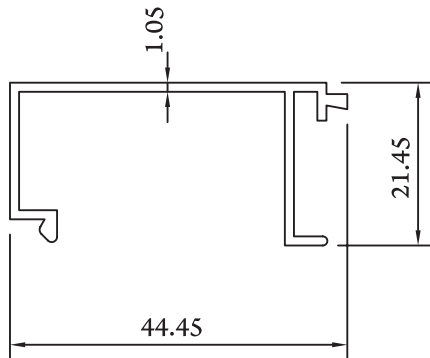
W = 0.910 kg/m
PER = 474.40 mm



18412

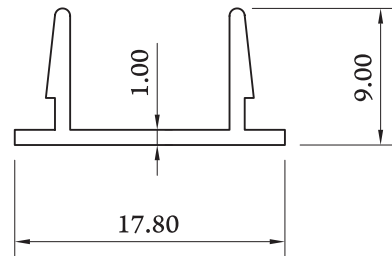
W = 0.958 kg/m
PER = 497.56 mm

SHOPFRONT 4"



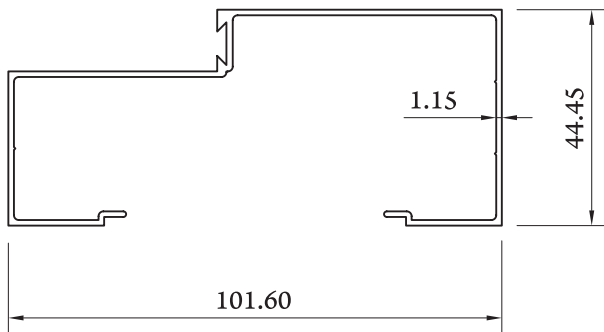
18405B

W = 0.287 kg/m
PER = 198.37 mm



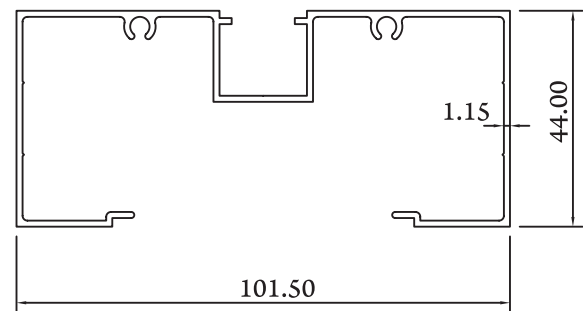
18406T

W = 0.100 kg/m
PER = 70.01 mm



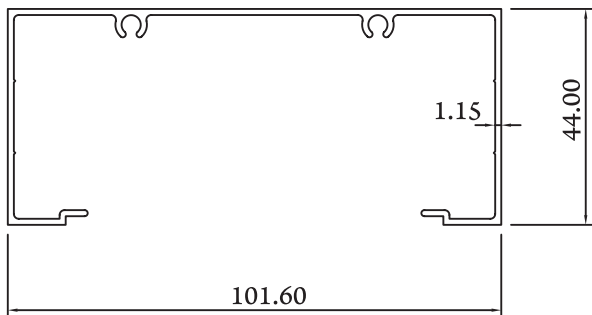
18407T

W = 0.722 kg/m
PER = 451.12 mm



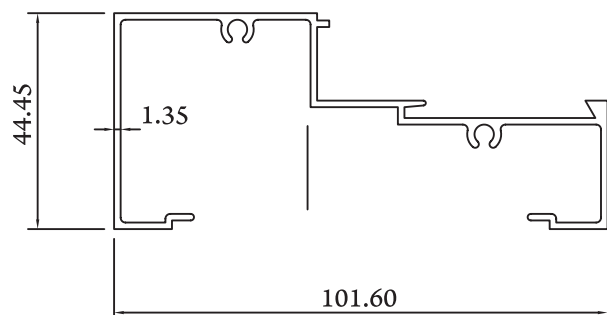
18410B

W = 0.863 kg/m
PER = 537.23 mm



18411B

W = 0.759 kg/m
PER = 473.93 mm

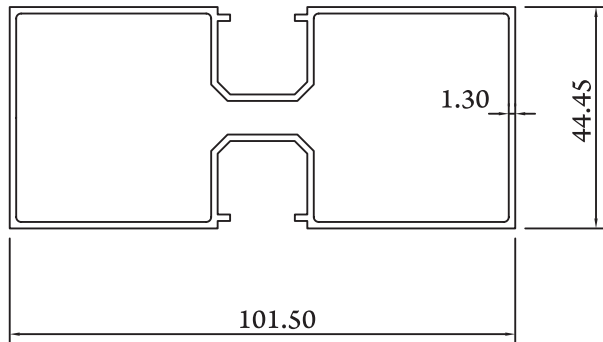


18412B

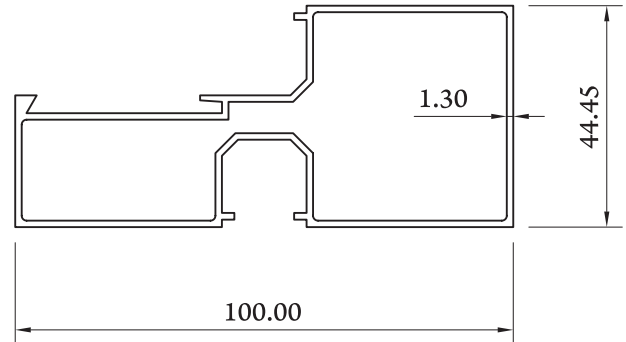
W = 0.805 kg/m
PER = 489.92 mm

SHOPFRONT 4"

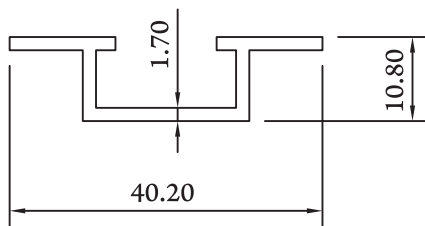
SHOPFRONT

**18413**

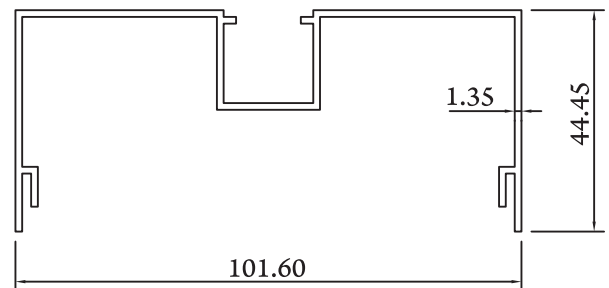
W = 1.280 kg/m
PER = 377.93 mm

**18414**

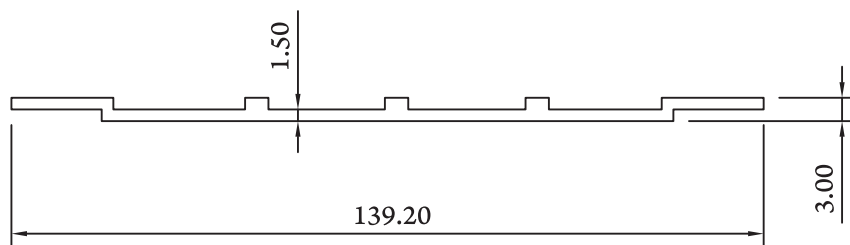
W = 1.187 kg/m
PER = 358.46 mm

**18415**

W = 0.202 kg/m
PER = 130.20 mm

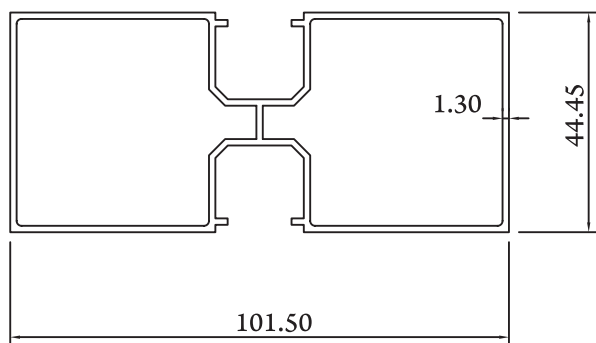
**18416**

W = 0.914 kg/m
PER = 502.10 mm

**18418**

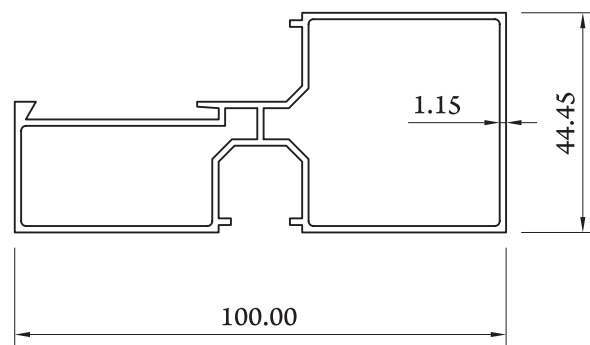
W = 0.615 kg/m
PER = 296.40 mm

SHOPFRONT 4"



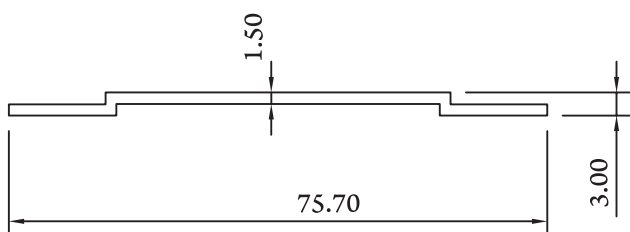
18413R

W = 1.291 kg/m
PER = 375.51 mm



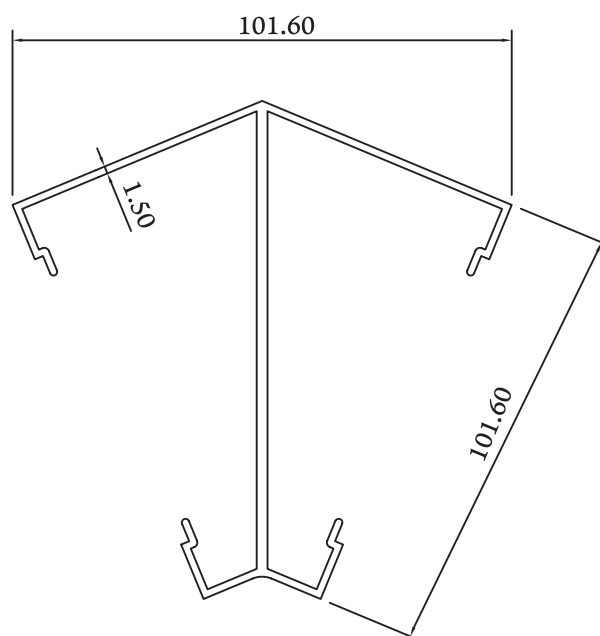
18414B

W = 1.070 kg/m
PER = 351.60 mm



18417

W = 0.317 kg/m
PER = 160.40 mm

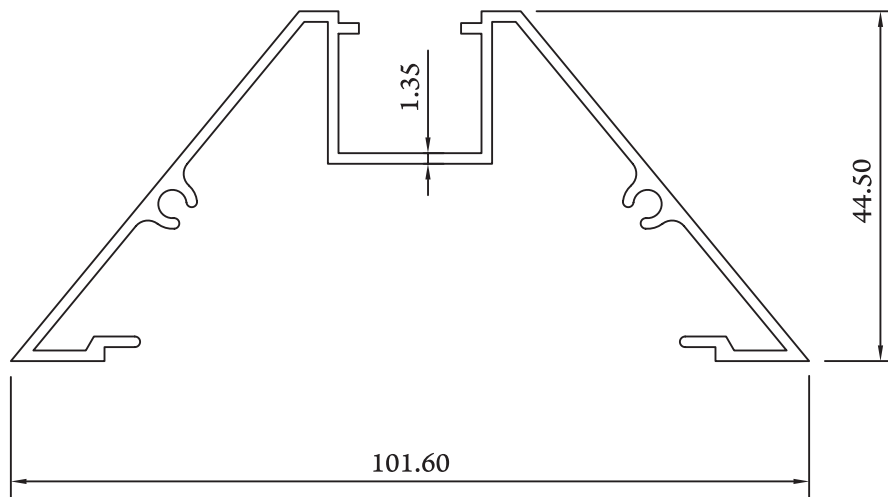


18420

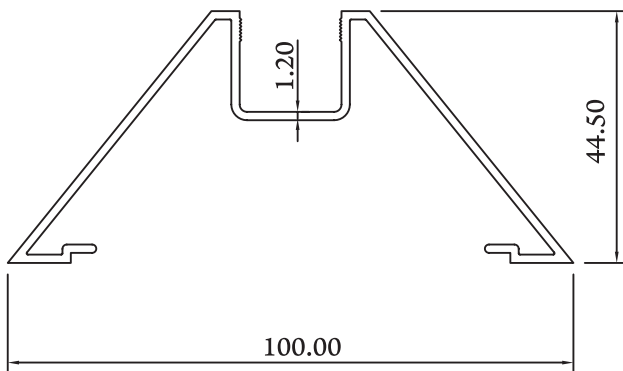
W = 1.457 kg/m
PER = 615.57 mm

SHOPFRONT 4"

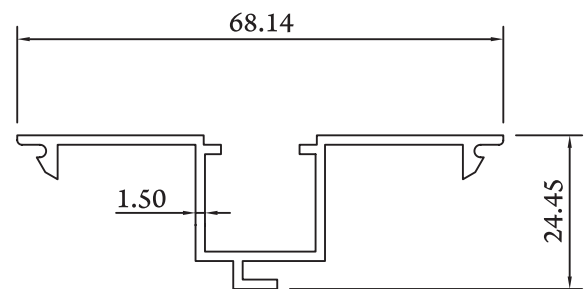
SHOPFRONT

**18421**

W = 0.867 kg/m
PER = 454.93 mm

**18429**

W = 0.671 kg/m
PER = 411.80 mm

**18433**

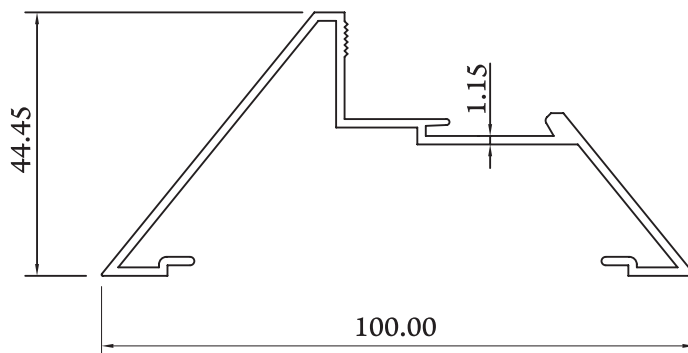
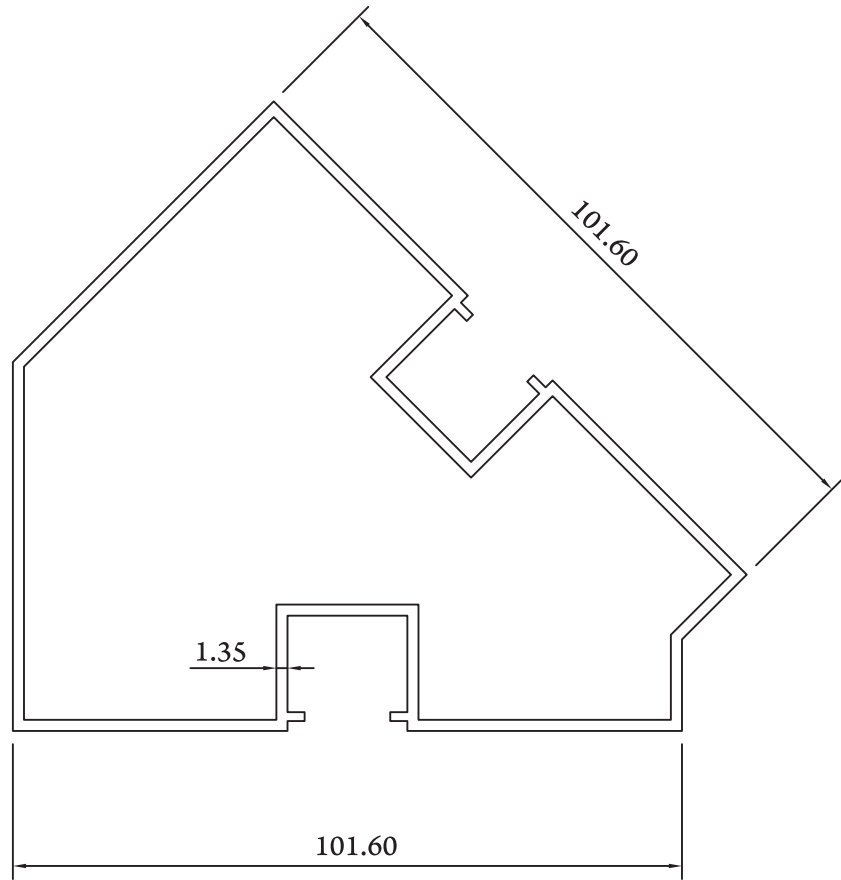
W = 0.586 kg/m
PER = 283.78 mm

SHOPFRONT 4"

SHOPFRONT

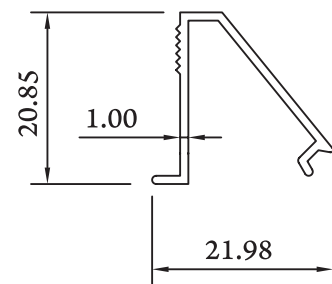
18422

W = 1.776 kg/m
PER = 487.20 mm



18444

W = 0.628 kg/m
PER = 482.44 mm

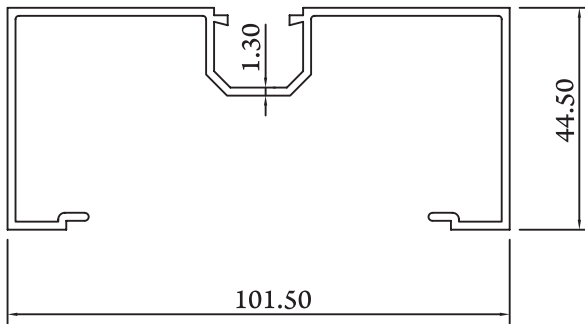


18445

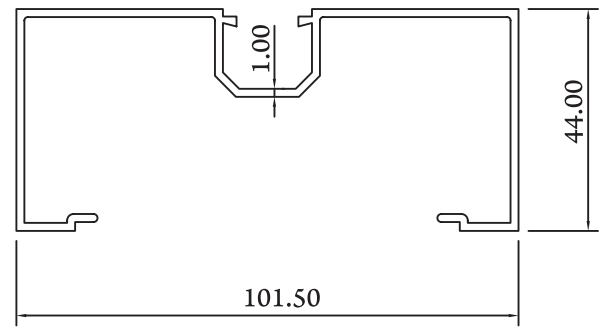
W = 0.150 kg/m
PER = 111.29 mm

SHOPFRONT 4"

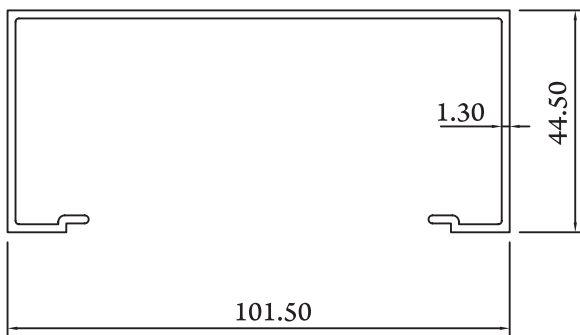
SHOPFRONT

**18424**

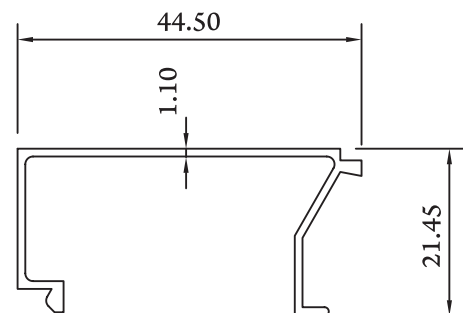
W = 0.920 kg/m
PER = 510.21 mm

**18424C**

W = 0.683 kg/m
PER = 500.80 mm

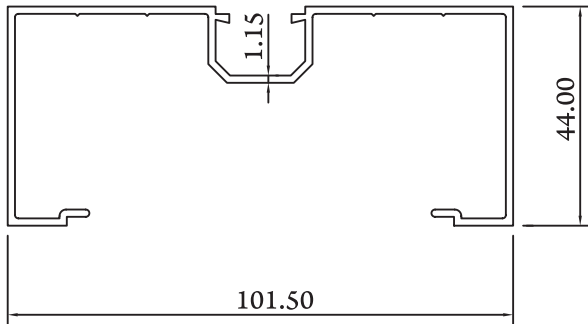
**18425**

W = 0.790 kg/m
PER = 443.52 mm

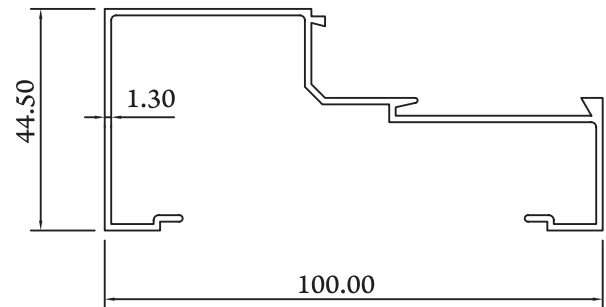
**18428**

W = 0.300 kg/m
PER = 189.45 mm

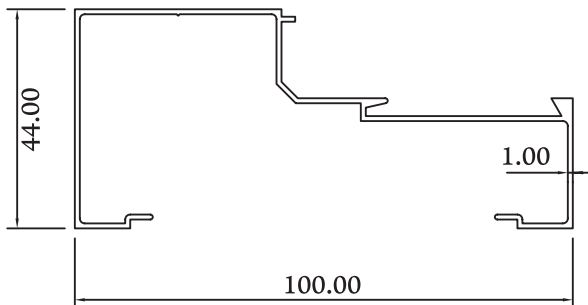
SHOPFRONT 4"

**18424B**

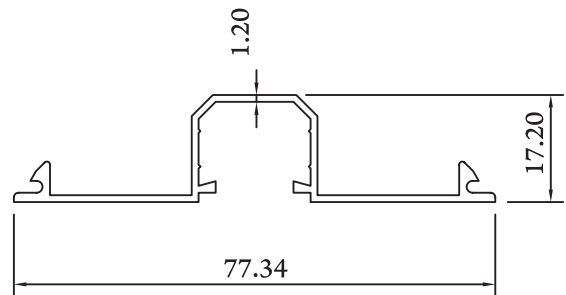
W = 0.789 kg/m
PER = 501.66 mm

**18426**

W = 0.838 kg/m
PER = 457.53 mm

**18426C**

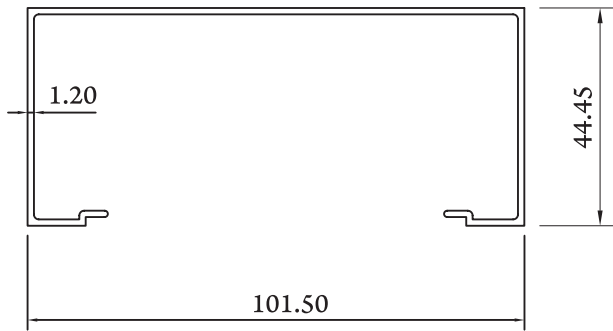
W = 0.644 kg/m
PER = 454.53 mm

**18427**

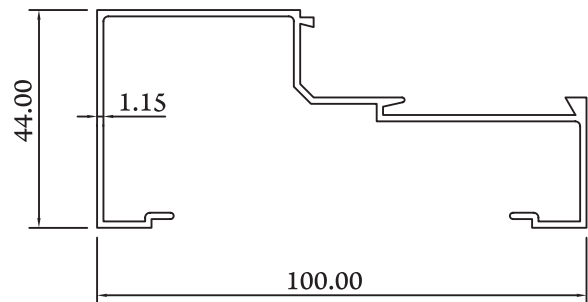
W = 0.434 kg/m
PER = 250.12 mm

SHOPFRONT 4"

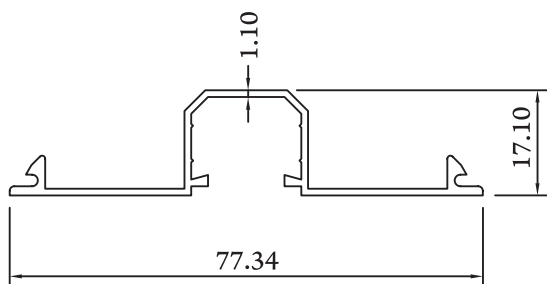
SHOPFRONT

**18425T**

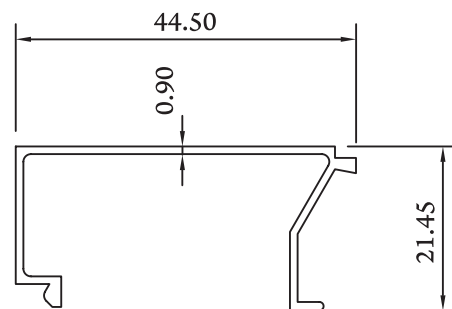
W = 0.725 kg/m
PER = 444.77 mm

**18426B**

W = 0.735 kg/m
PER = 454.98 mm

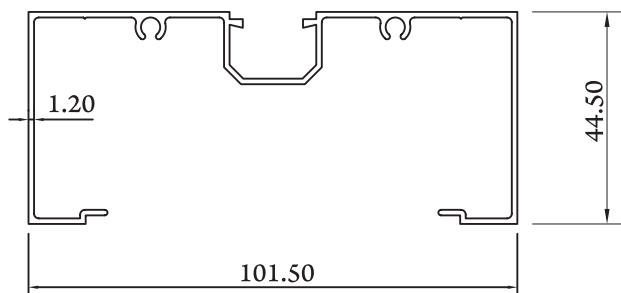
**18427T**

W = 0.399 kg/m
PER = 250.90 mm

**18428C**

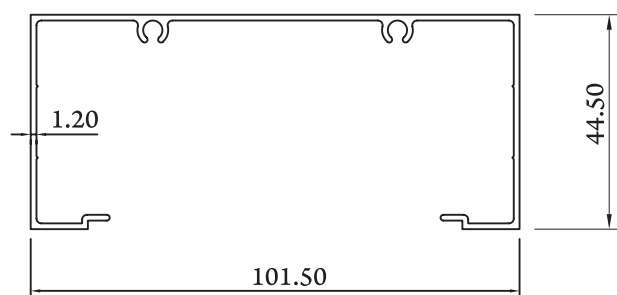
W = 0.245 kg/m
PER = 190.58 mm

SHOPFRONT 4"



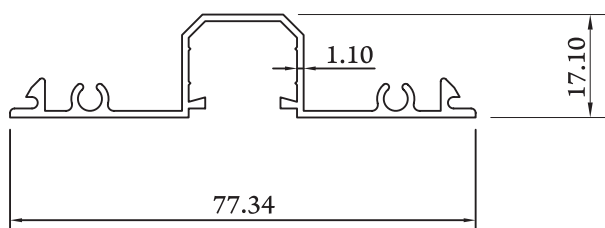
18440

W = 0.913 kg/m
PER = 545.14 mm



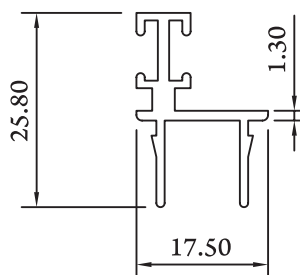
18441

W = 0.794 kg/m
PER = 475.87 mm



18443

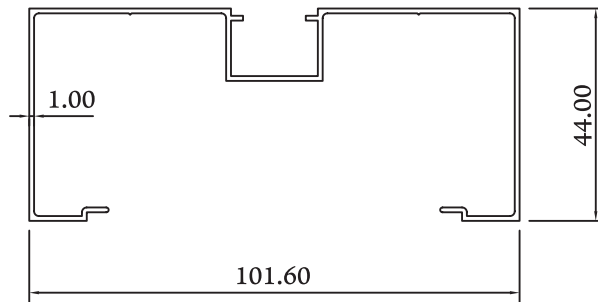
W = 0.465 kg/m
PER = 282.49 mm



18497

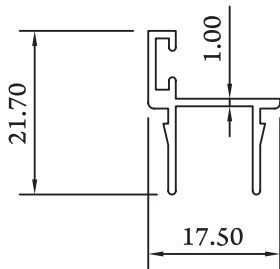
W = 0.246 kg/m
PER = 139.37 mm

SHOPFRONT 4"



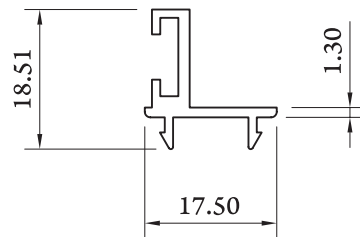
18400C

W = 0.693 kg/m
PER = 506.30 mm



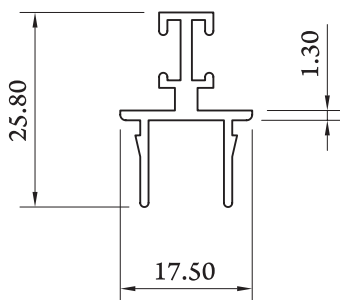
18498

W = 0.147 kg/m
PER = 98.22 mm



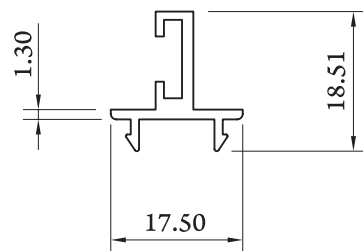
18499

W = 0.177 kg/m
PER = 96.01 mm



18451

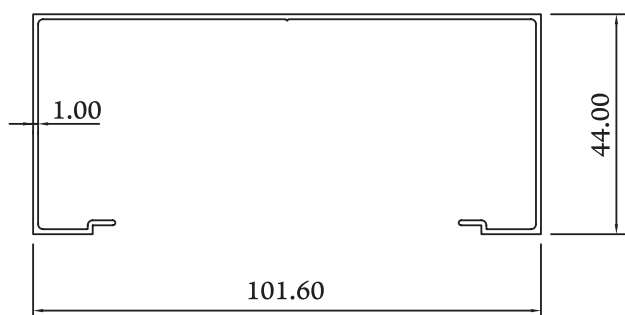
W = 0.246 kg/m
PER = 139.37 mm



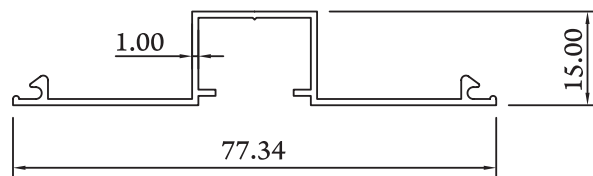
18453

W = 0.178 kg/m
PER = 95.91 mm

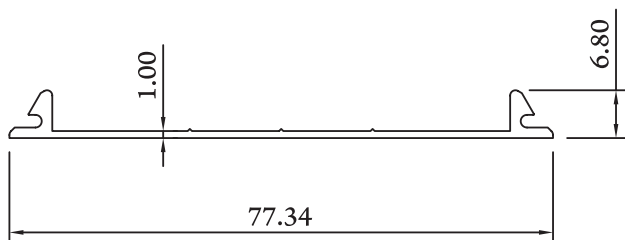
SHOPFRONT 4"

**18401C**

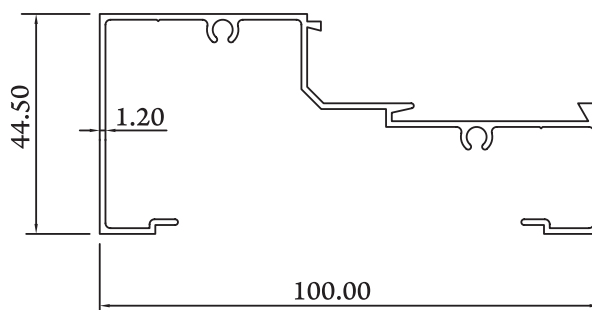
W = 0.602 kg/m
PER = 442.69 mm

**18403C**

W = 0.336 kg/m
PER = 243.16 mm

**18404C**

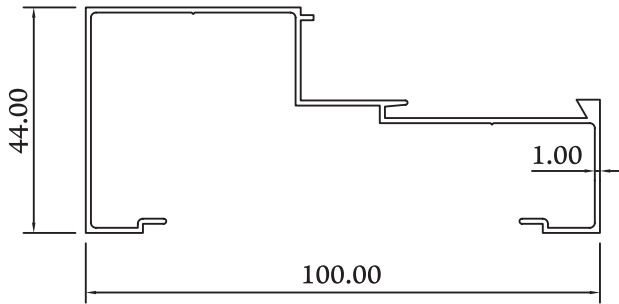
W = 0.287 kg/m
PER = 181.83 mm

**18442**

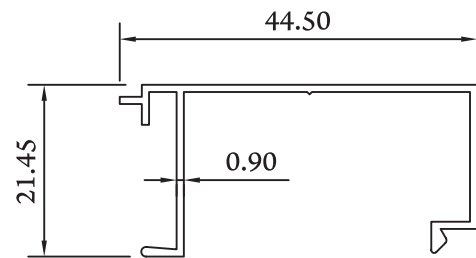
W = 0.837 kg/m
PER = 489.44 mm

SHOPFRONT 4"

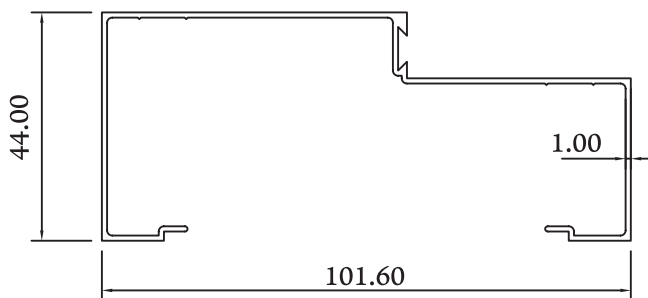
SHOPFRONT

**18402C**

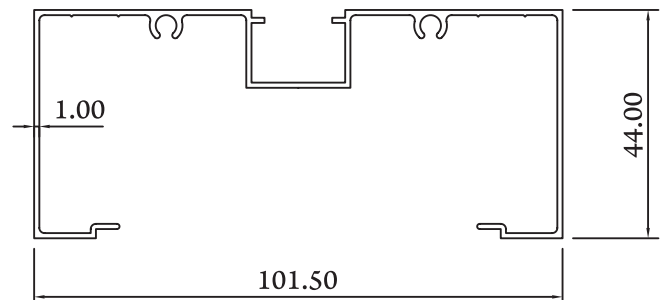
W = 0.648 kg/m
PER = 459.23 mm

**18405C**

W = 0.246 kg/m
PER = 198.72 mm

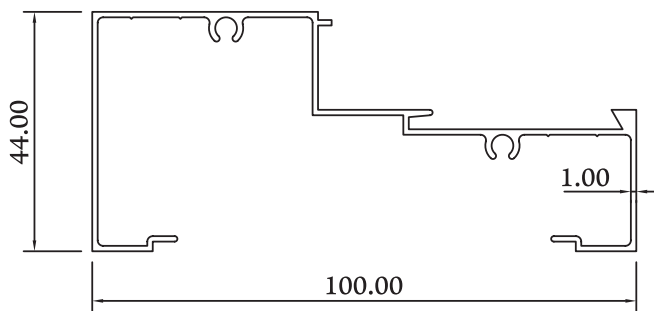
**18407C**

W = 0.624 kg/m
PER = 450.60 mm

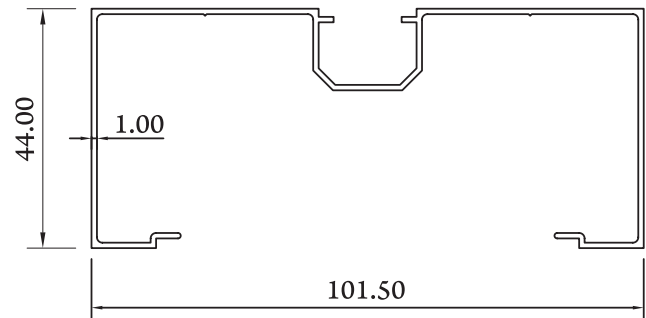
**18410C**

W = 0.760 kg/m
PER = 539.36 mm

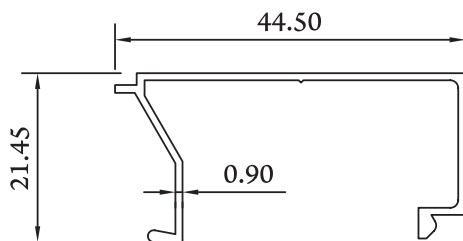
SHOPFRONT 4"

**18412C**

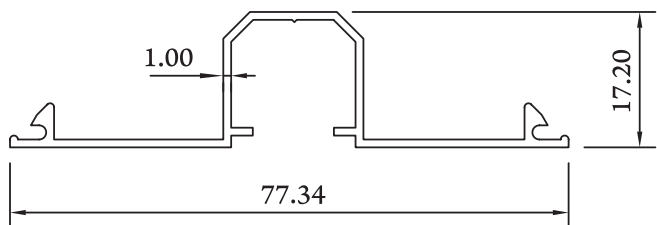
W = 0.717 kg/m
PER = 490.56 mm

**18424C**

W = 0.683 kg/m
PER = 500.60 mm

**18428C**

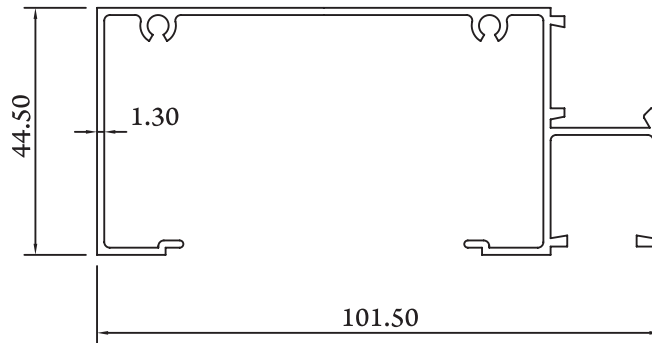
W = 0.245 kg/m
PER = 190.58 mm

**18427C**

W = 0.344 kg/m
PER = 246.14 mm

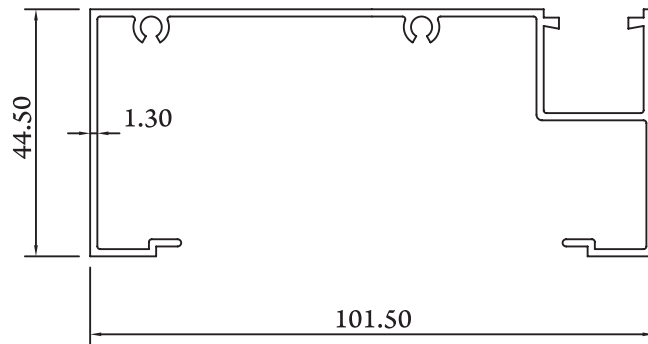
SHOPFRONT 101 x 45

SHOPFRONT



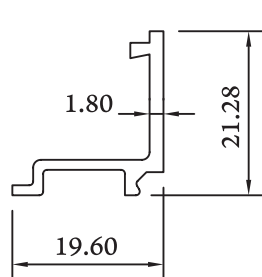
18600

W = 1.035 kg/m
PER = 542.72 mm



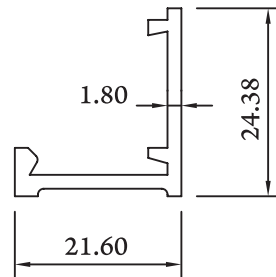
18601

W = 0.971 kg/m
PER = 521.45 mm



18602

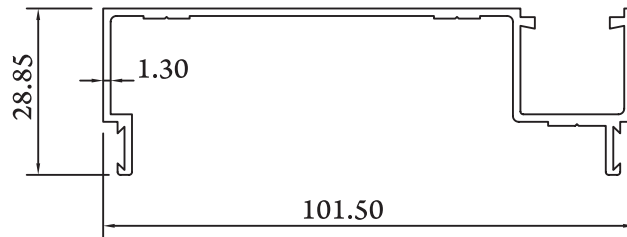
W = 0.194 kg/m
PER = 93.23 mm



18603

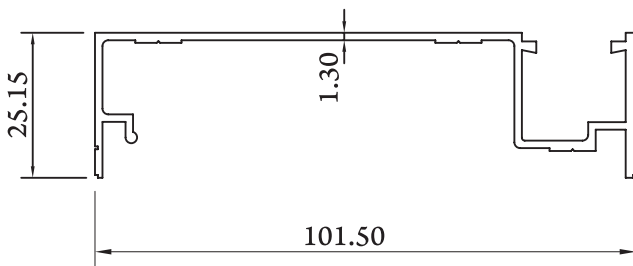
W = 0.269 kg/m
PER = 110.67 mm

SHOPFRONT 101 x 45



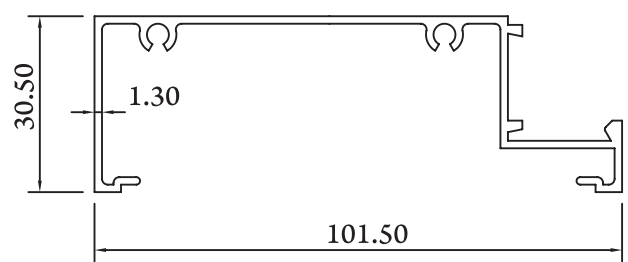
18604

W = 0.738 kg/m
PER = 382.78 mm



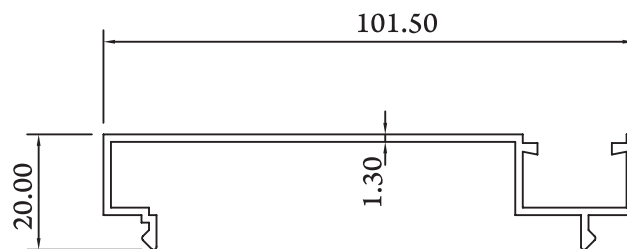
18605

W = 0.728 kg/m
PER = 381.26 mm



18607

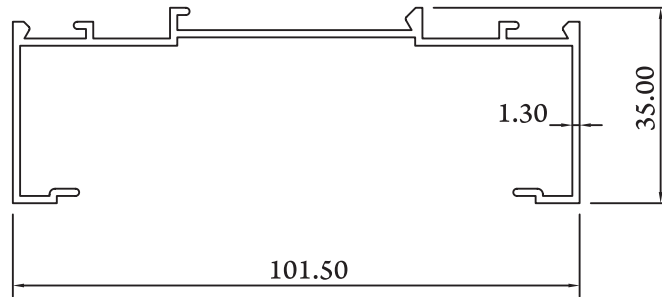
W = 0.751 kg/m
PER = 400.27 mm



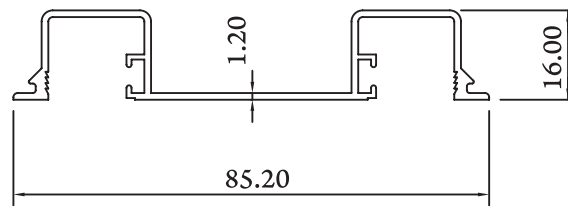
18608

W = 0.634 kg/m
PER = 335.80 mm

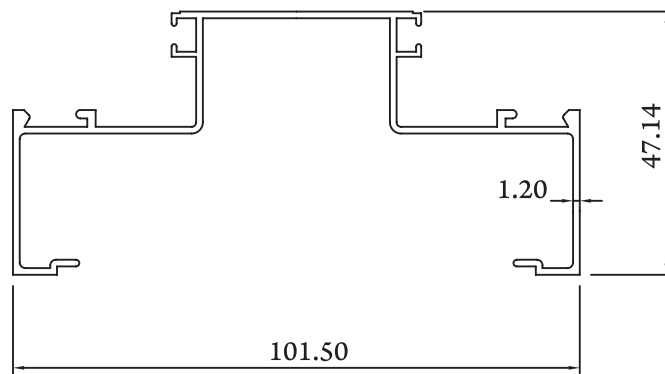
SHOPFRONT 101 x 45

**18609**

W = 0.877 kg/m
PER = 420.80 mm

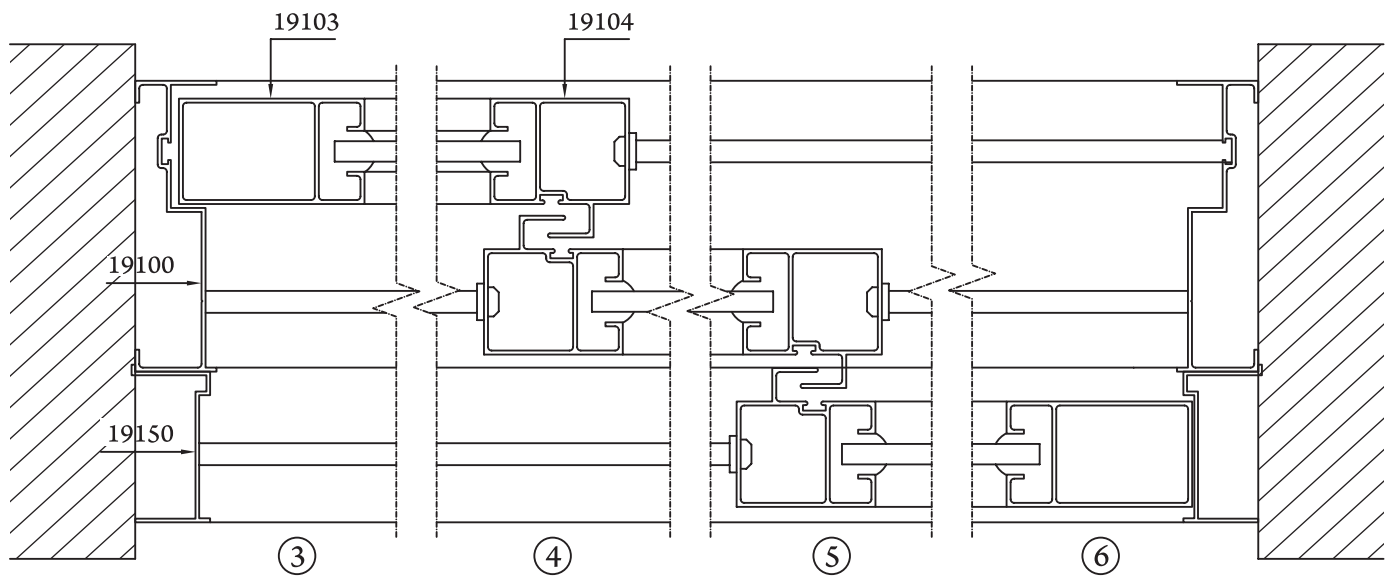
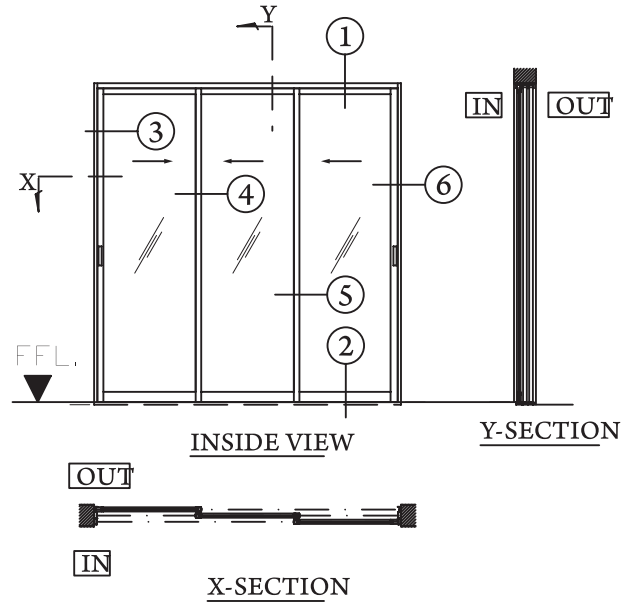
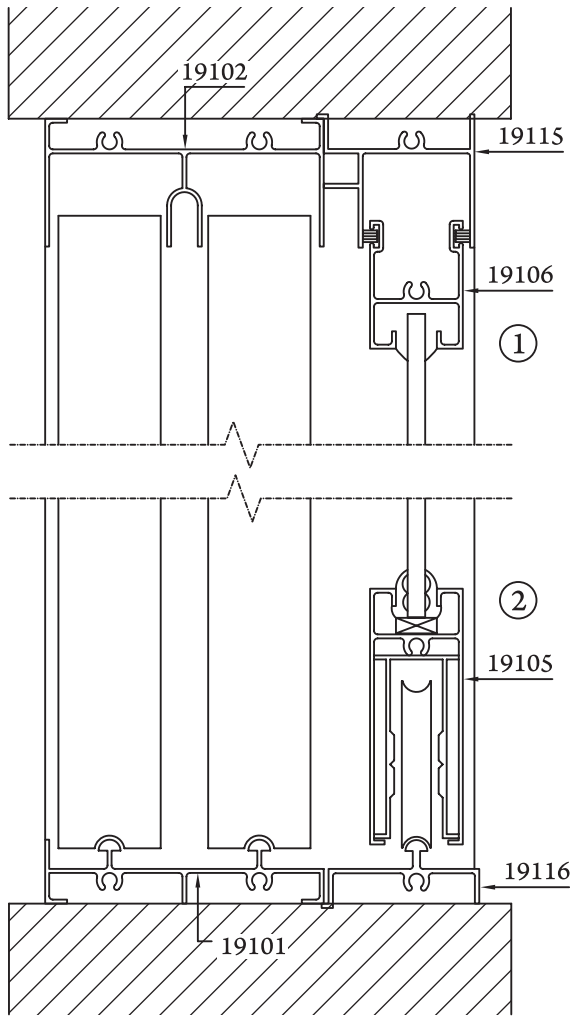
**18610**

W = 0.532 kg/m
PER = 326.92 mm

**18611**

W = 0.832 kg/m
PER = 498.70 mm

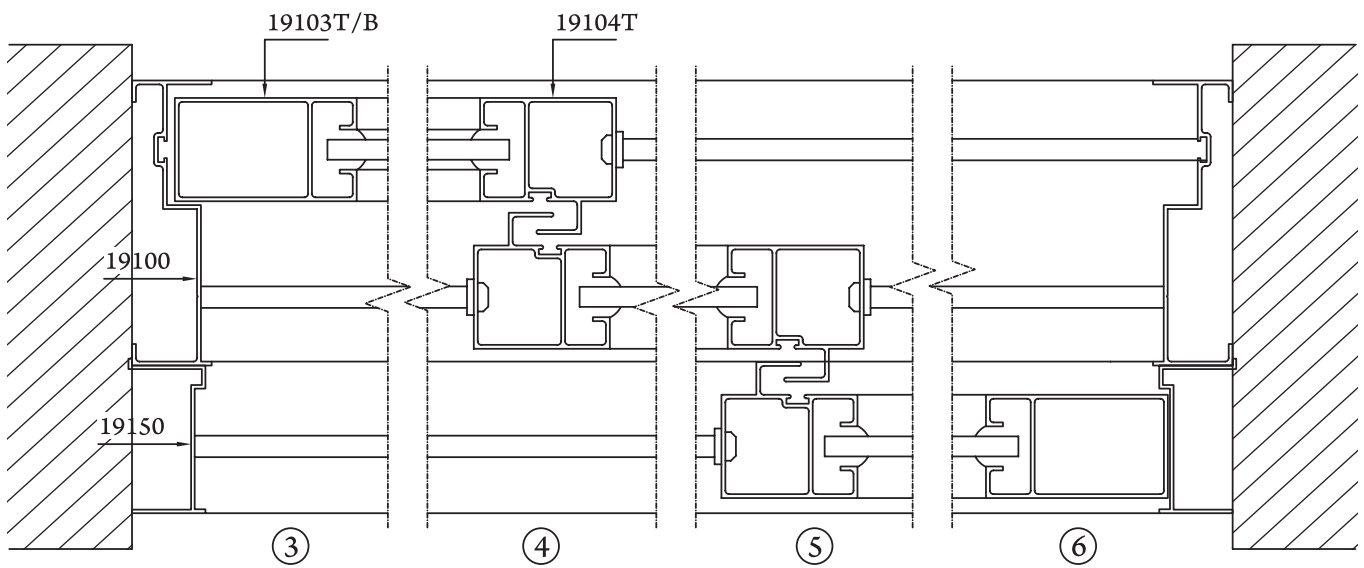
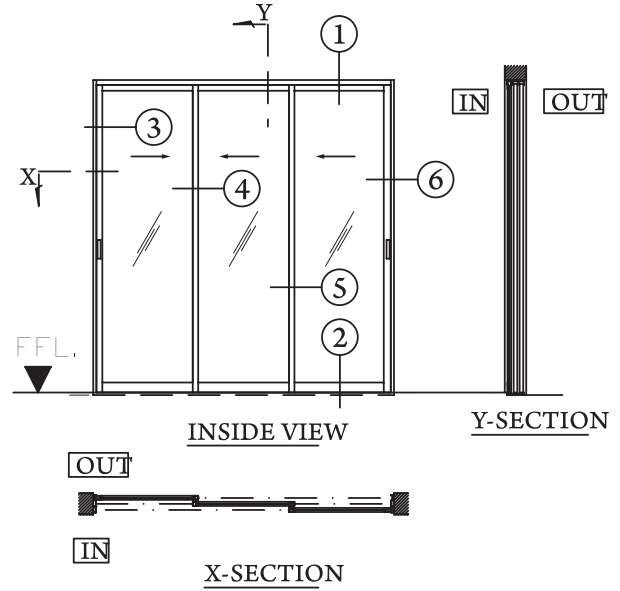
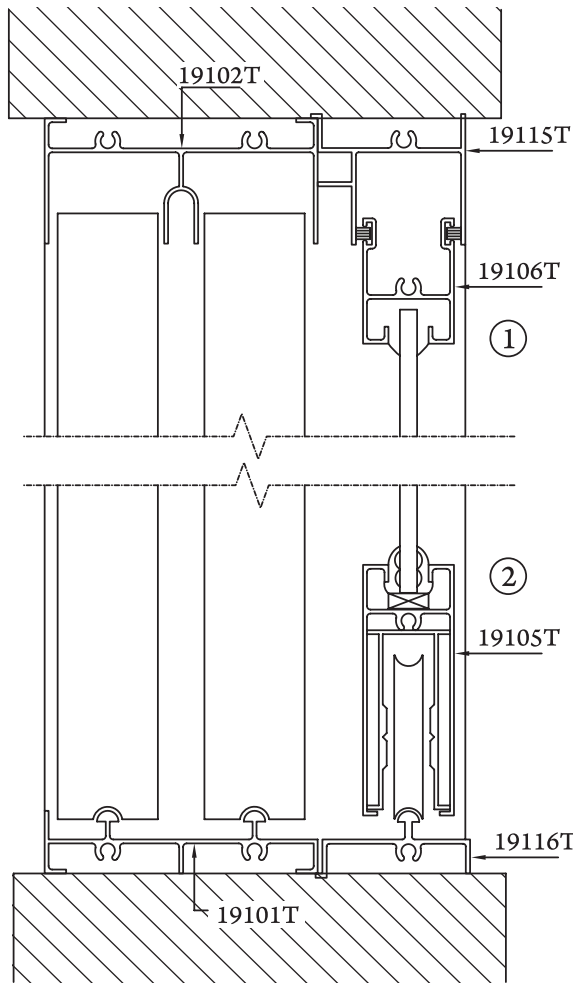
SLIDING



DOOR

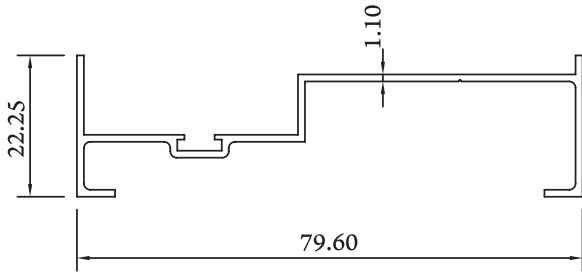
SLIDING

DOOR



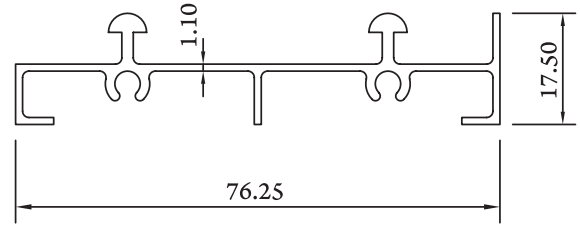
SLIDING

DOOR



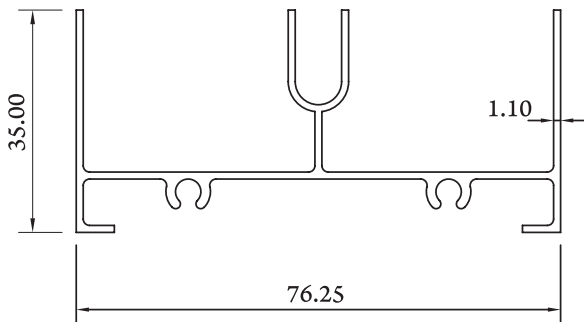
19100

W = 0.440 kg/m
PER = 295.44 mm



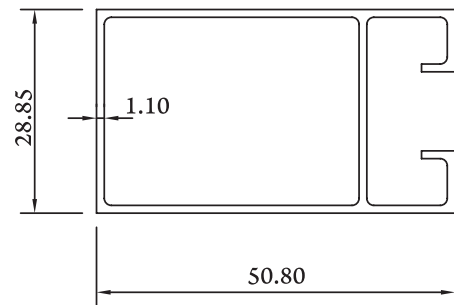
19101

W = 0.568 kg/m
PER = 311.35 mm



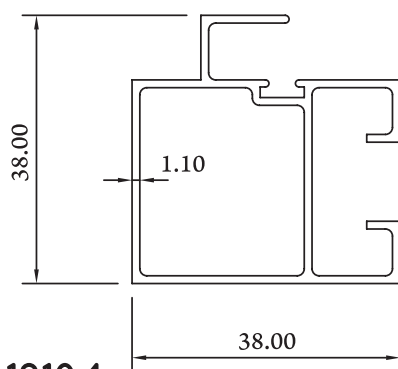
19102

W = 0.705 kg/m
PER = 427.80 mm



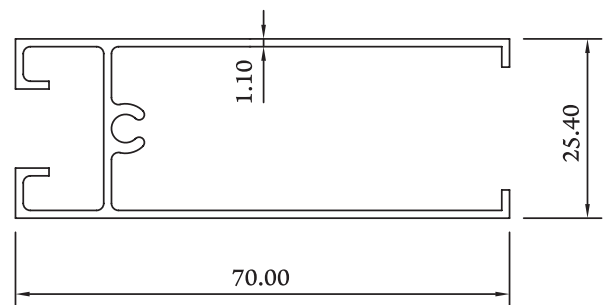
19103

W = 0.535 kg/m
PER = 227.22 mm



19104

W = 0.530 kg/m
PER = 250.54 mm

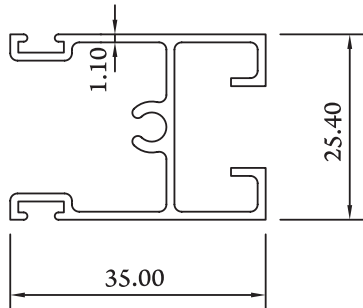


19105

W = 0.603 kg/m
PER = 391.23 mm

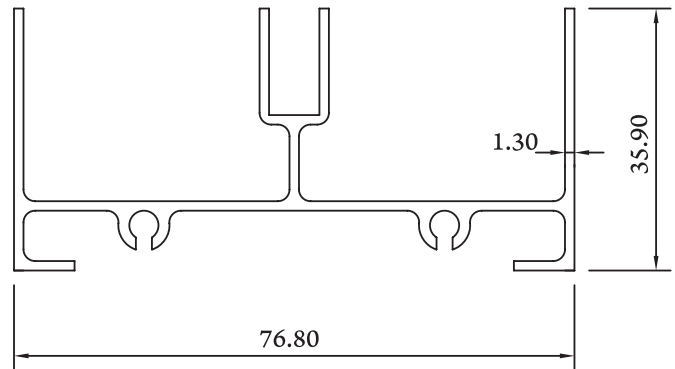
SLIDING

DOOR



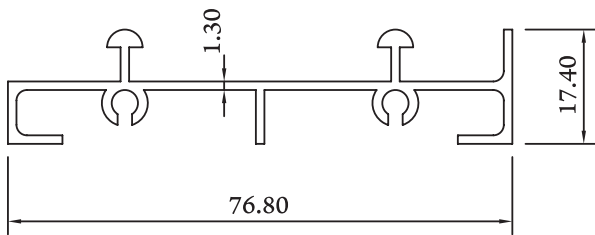
19106

W = 0.421 kg/m
PER = 264.93 mm



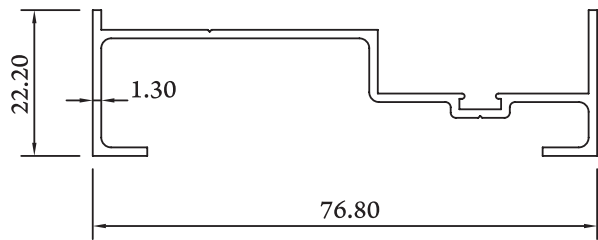
19107

W = 0.906 kg/m
PER = 451.42 mm



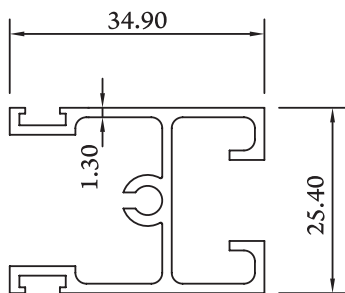
19108

W = 0.709 kg/m
PER = 330.76 mm



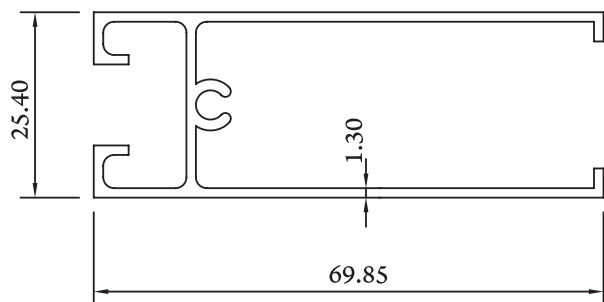
19109

W = 0.533 kg/m
PER = 297.55 mm



19110

W = 0.478 kg/m
PER = 272.43 mm

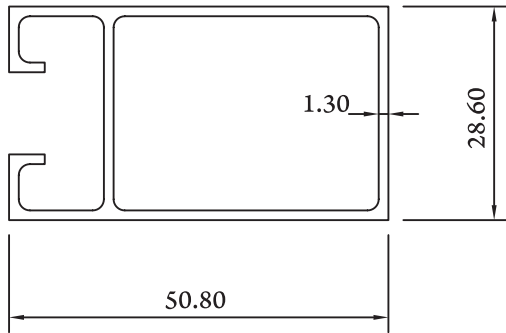


19111

W = 0.714 kg/m
PER = 391.38 mm

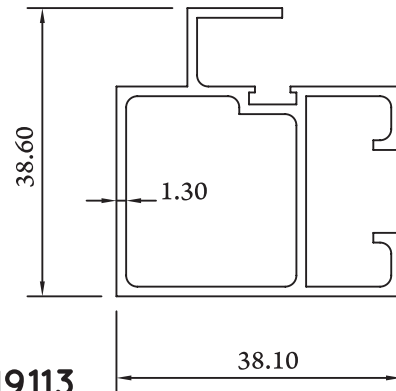
SLIDING

DOOR



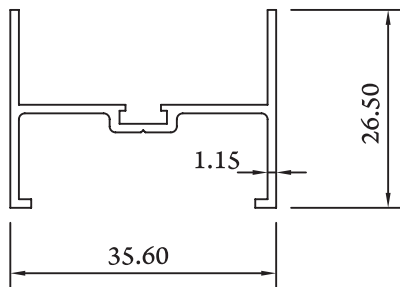
19112

W = 0.618 kg/m
PER = 224.06 mm



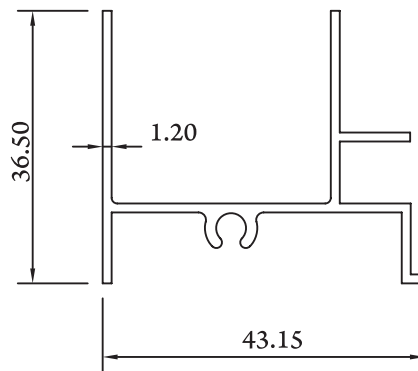
19113

W = 0.744 kg/m
PER = 244.78 mm



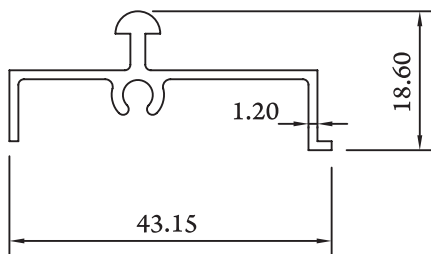
19114

W = 0.303 kg/m
PER = 193.09 mm



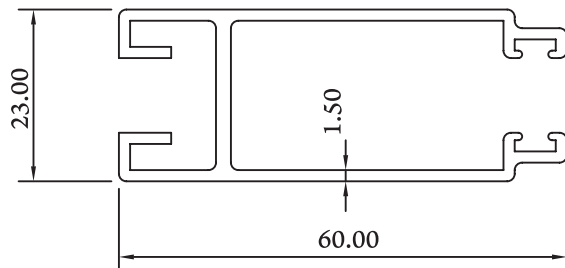
19115

W = 0.454 kg/m
PER = 259.57 mm



19116

W = 0.307 kg/m
PER = 160.46 mm

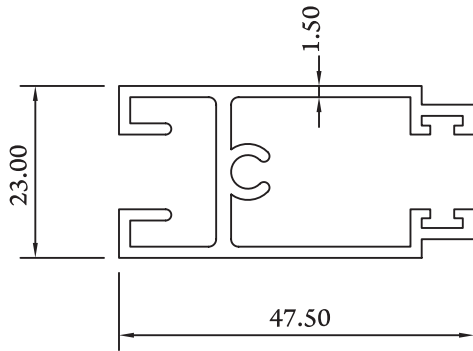


19117

W = 0.750 kg/m
PER = 353.42 mm

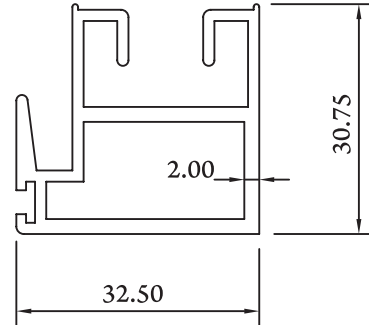
SLIDING

DOOR



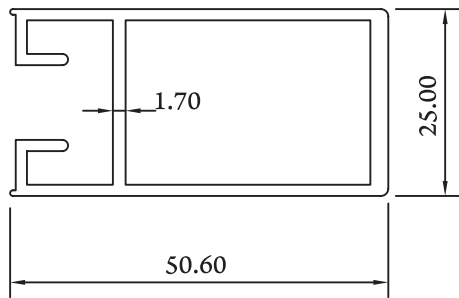
19118

W = 0.708 kg/m
PER = 330.17 mm



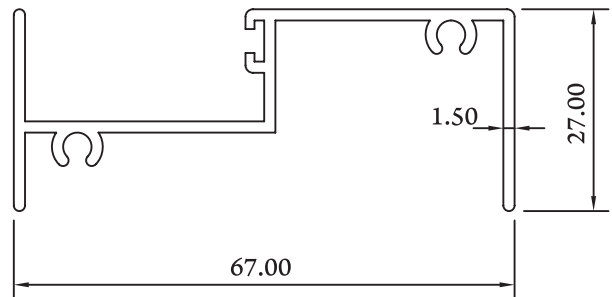
19119

W = 0.756 kg/m
PER = 226.21 mm



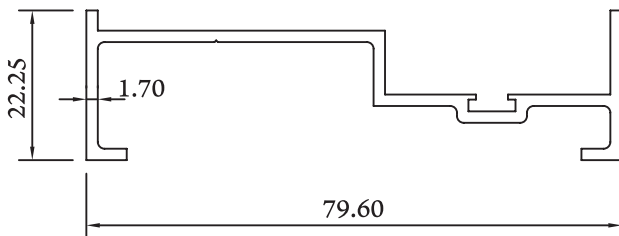
19120

W = 0.744 kg/m
PER = 221.91 mm



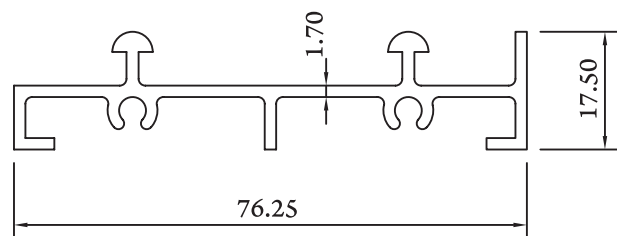
19121

W = 0.644 kg/m
PER = 315.29 mm



19100A

W = 0.670 kg/m
PER = 291.84 mm

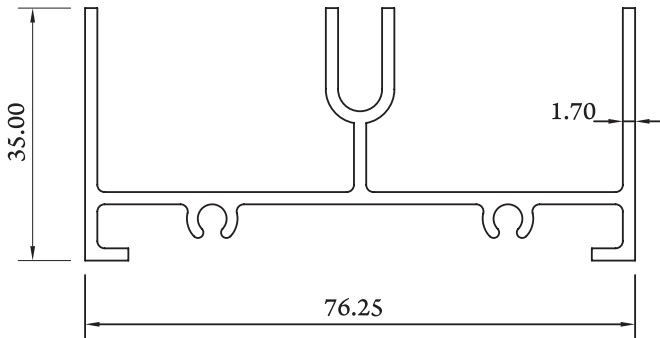


19101A

W = 0.766 kg/m
PER = 306.99 mm

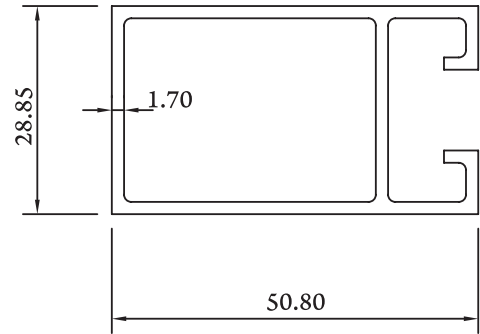
SLIDING

DOOR



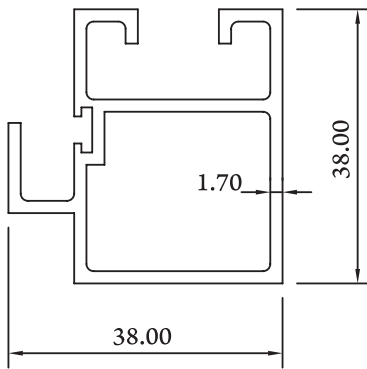
19102A

W = 1.004 kg/m
PER = 423.33 mm



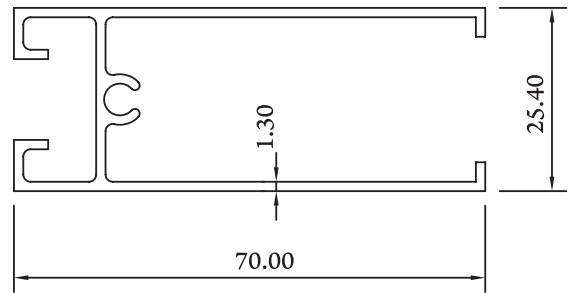
19103A

W = 0.802 kg/m
PER = 222.42 mm



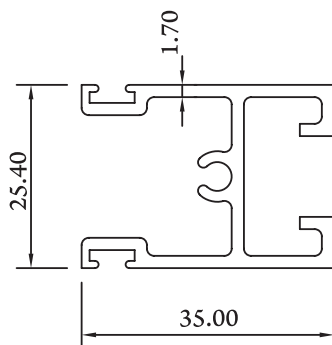
19104A

W = 0.790 kg/m
PER = 244.28 mm



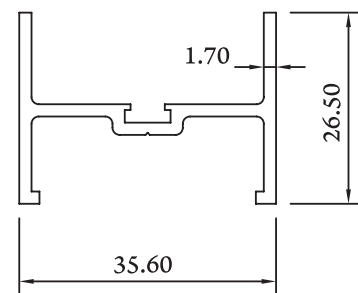
19105A

W = 0.700 kg/m
PER = 389.26 mm



19106A

W = 0.605 kg/m
PER = 259.56 mm

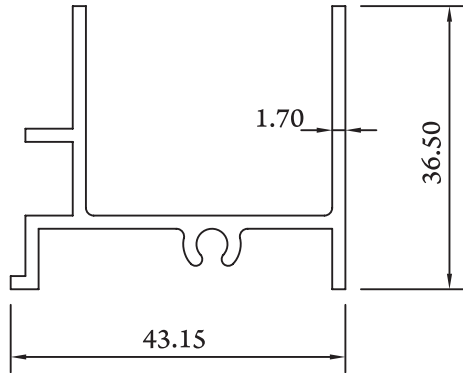


19114A

W = 0.432 kg/m
PER = 188.41 mm

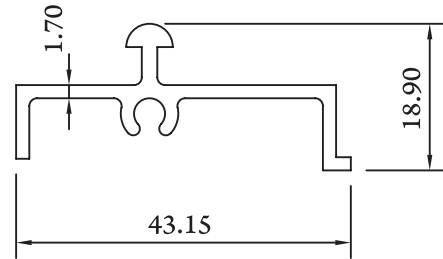
SLIDING

DOOR



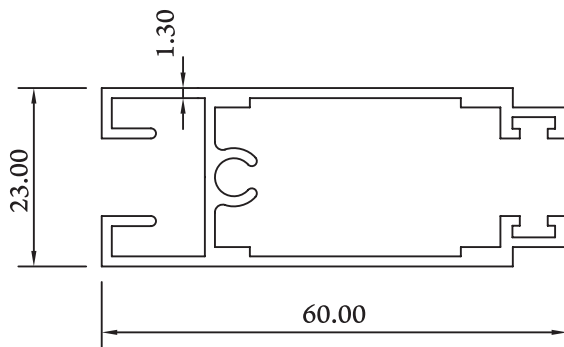
19115A

W = 0.577 kg/m
PER = 256.72 mm



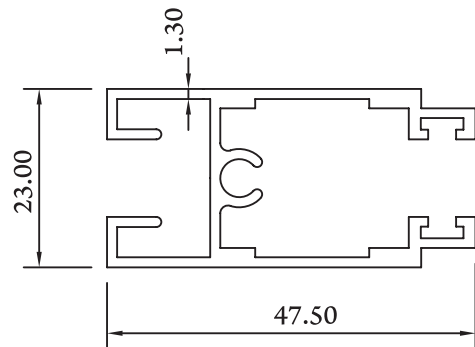
19116A

W = 0.397 kg/m
PER = 159.49 mm



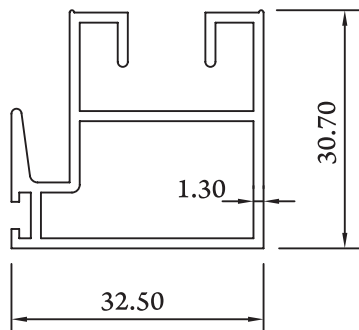
19117A

W = 0.753 kg/m
PER = 383.94 mm



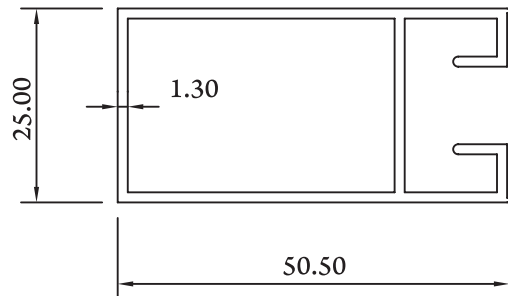
19118A

W = 0.671 kg/m
PER = 334.47 mm



19119A

W = 0.564 kg/m
PER = 225.07 mm

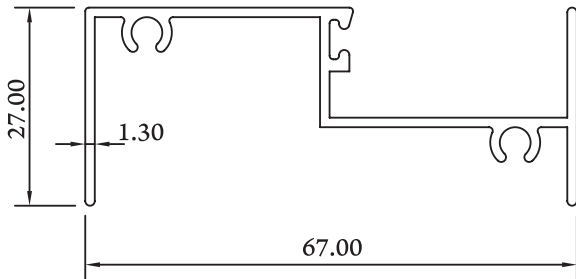


19120A

W = 0.600 kg/m
PER = 226.17 mm

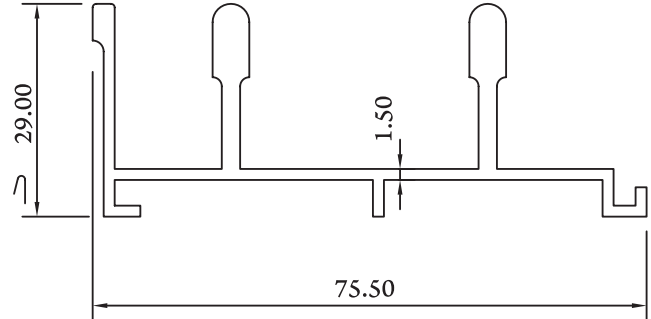
SLIDING

DOOR



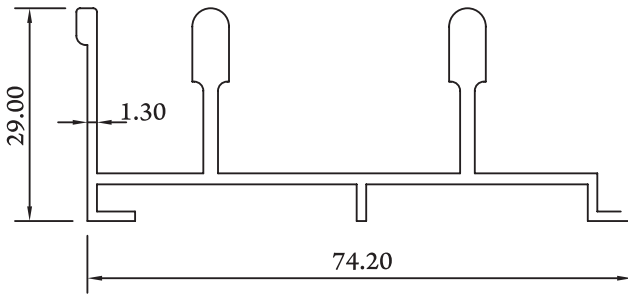
19121A

W = 0.578 kg/m
PER = 316.34 mm



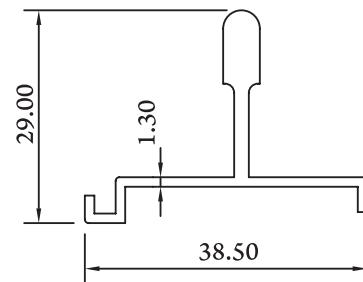
19122

W = 0.928 kg/m
PER = 333.490 mm



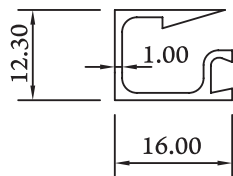
19122A

W = 0.835 kg/m
PER = 336.12 mm



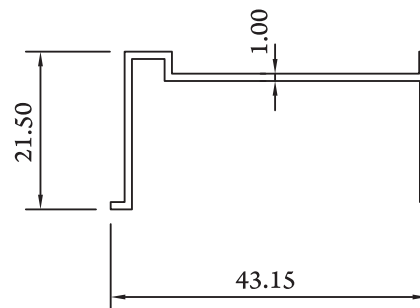
19123A

W = 0.372 kg/m
PER = 149.07 mm



19124A

W = 0.150 kg/m
PER = 100.32 mm

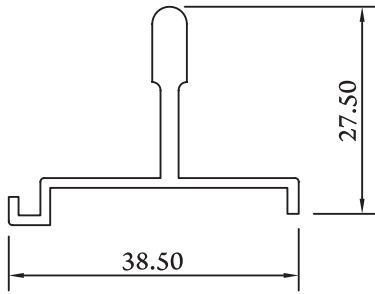


19150

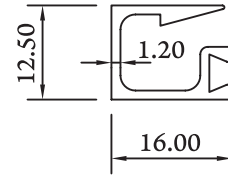
W = 0.234 kg/m
PER = 174.30 mm

SLIDING

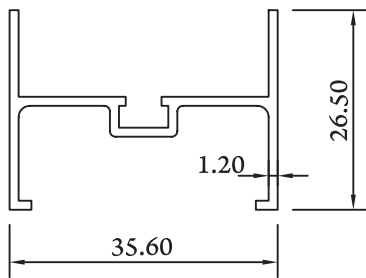
DOOR

**19123**

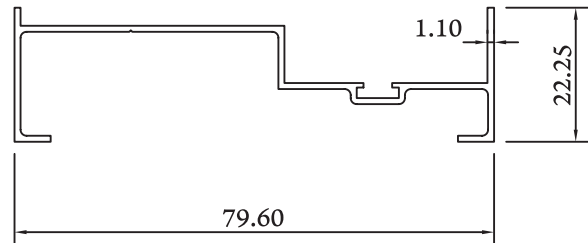
W = 0.378 kg/m
PER = 147.64 mm

**19124**

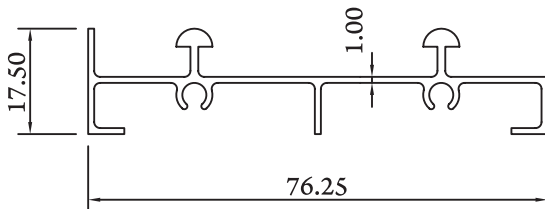
W = 0.183 kg/m
PER = 102.03 mm

**19125**

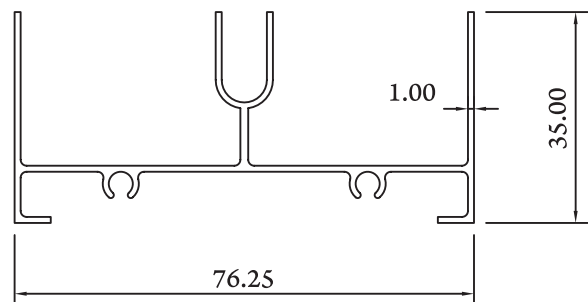
W = 0.327 kg/m
PER = 199.02 mm

**19100T**

W = 0.408 kg/m
PER = 296.04 mm

**19101T**

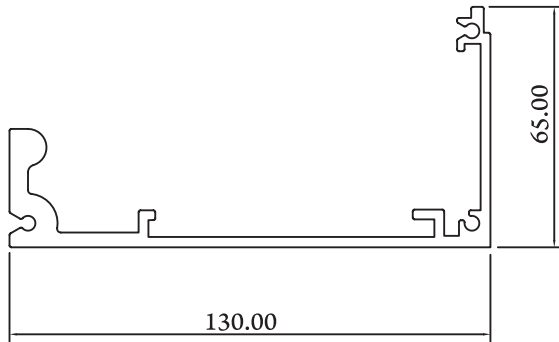
W = 0.501 kg/m
PER = 313.03 mm

**19102T**

W = 0.612 kg/m
PER = 426.86 mm

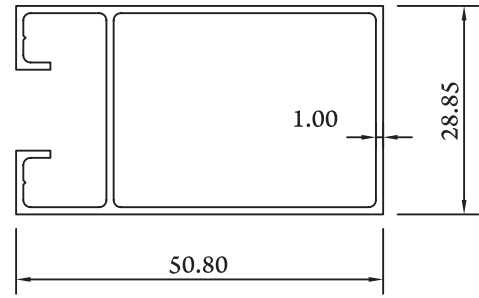
SLIDING

DOOR



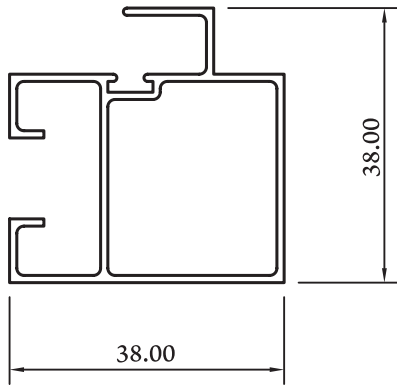
19126

W = 2.444 kg/m
PER = 534.96 mm



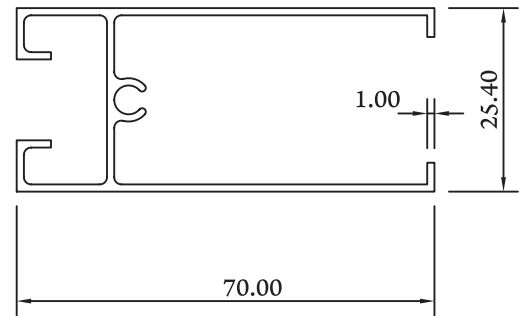
19103T

W = 0.489 kg/m
PER = 228.02 mm



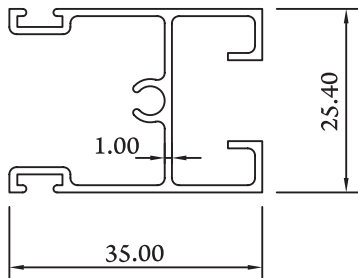
19104T

W = 0.490 kg/m
PER = 251.78 mm



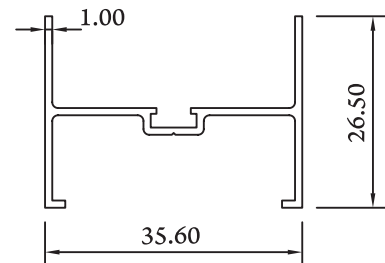
19105T

W = 392.07 kg/m
PER = 0.546 mm



19106T

W = 0.386 kg/m
PER = 266.17 mm

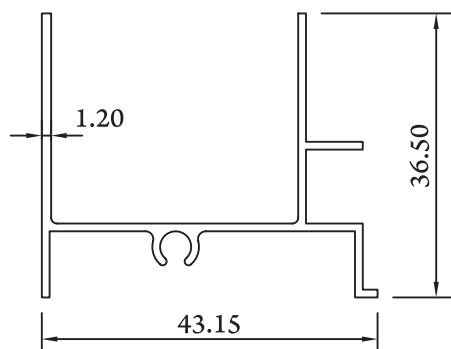


19114T

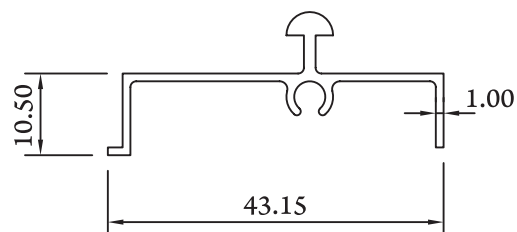
W = 0.264 kg/m
PER = 193.86 mm

SLIDING

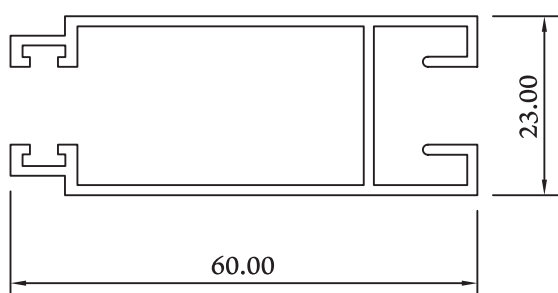
DOOR

**19115T**

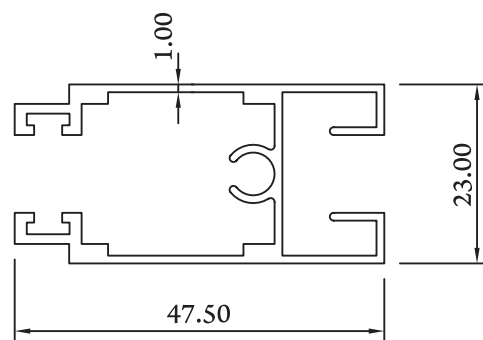
W = 0.374 kg/m
PER = 259.56 mm

**19116T**

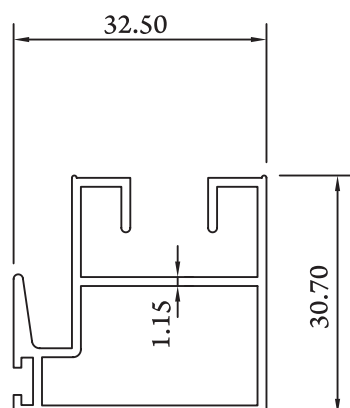
W = 0.255 kg/m
PER = 160.54 mm

**19117T**

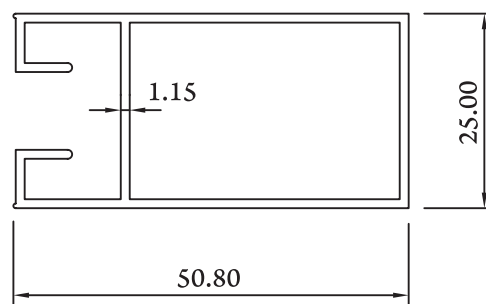
W = 0.693 kg/m
PER = 388.39 mm

**19118T**

W = 0.669 kg/m
PER = 342.23 mm

**19119T**

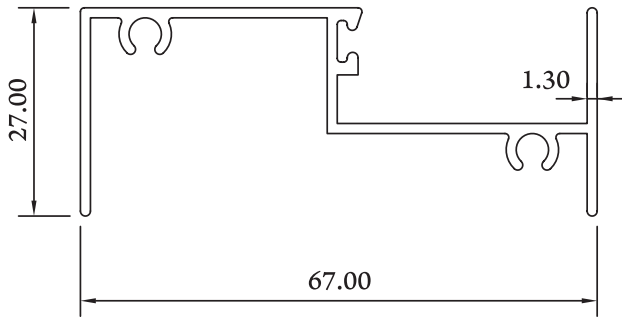
W = 0.560 kg/m
PER = 226.97 mm

**19120T**

W = 0.598 kg/m
PER = 227.50 mm

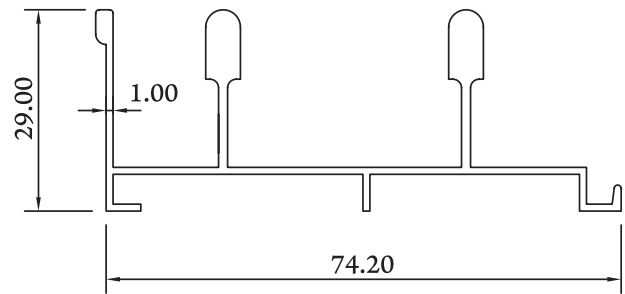
SLIDING

DOOR



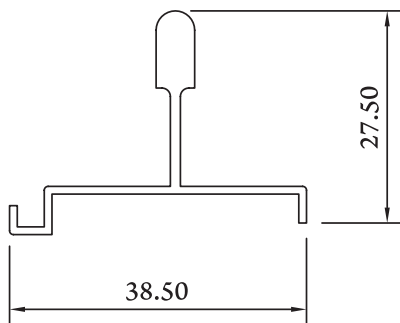
19121T

W = 0.588 kg/m
PER = 317.98 mm



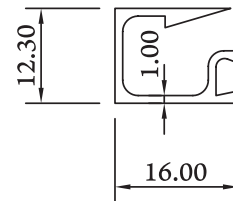
19122T

W = 0.805 kg/m
PER = 341.48 mm



19123T

W = 0.344 kg/m
PER = 151.67 mm

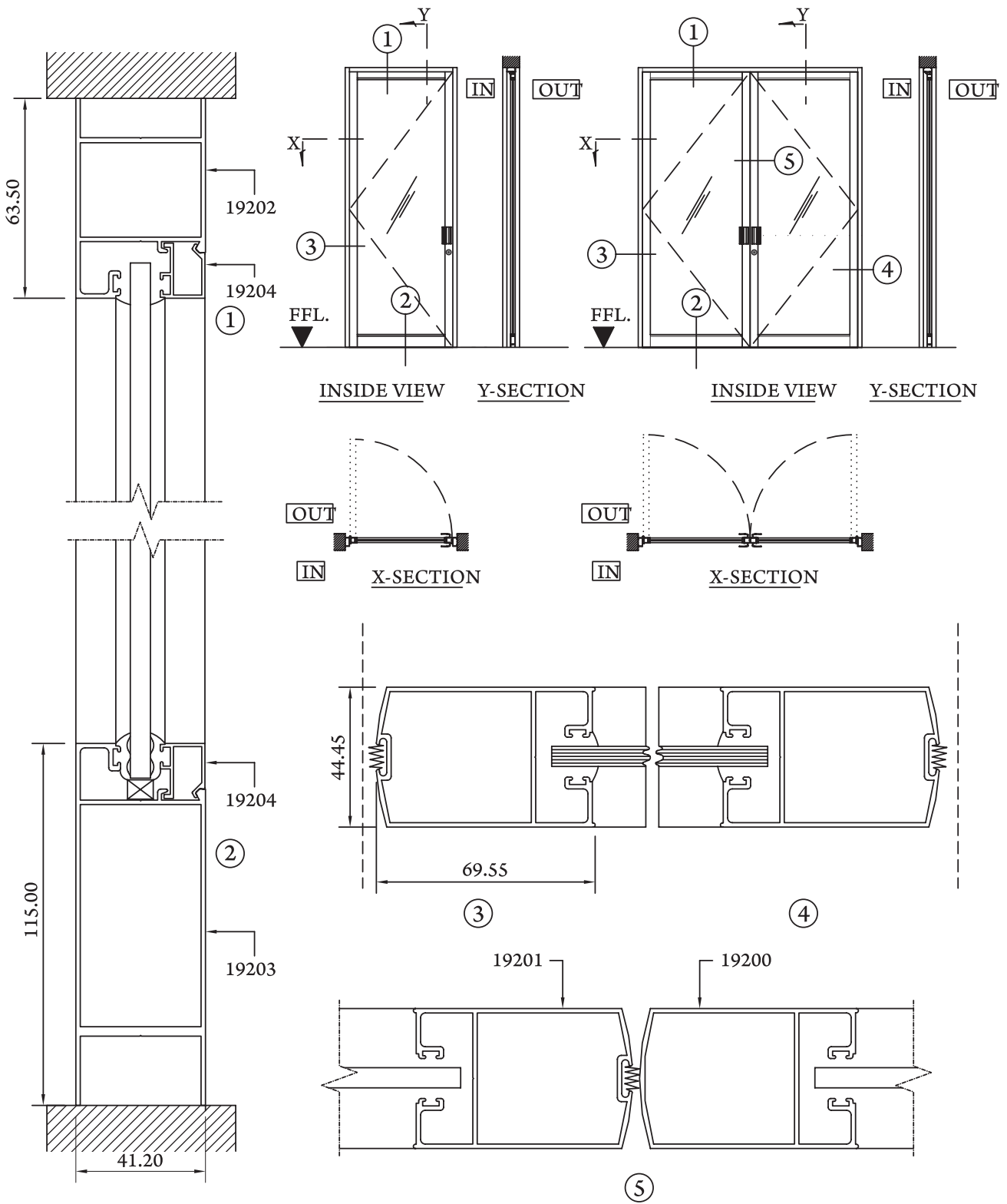


19124T

W = 0.172 kg/m
PER = 100.32 mm

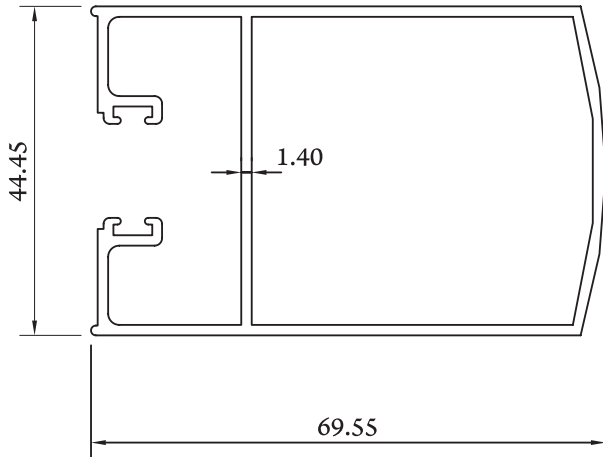
SWING

DOOR



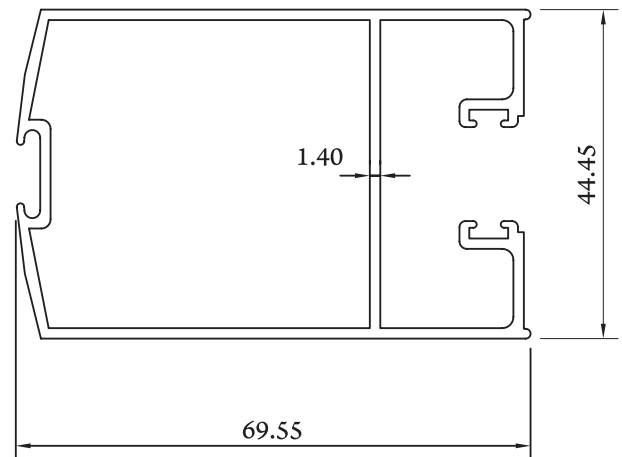
SLIDING

DOOR



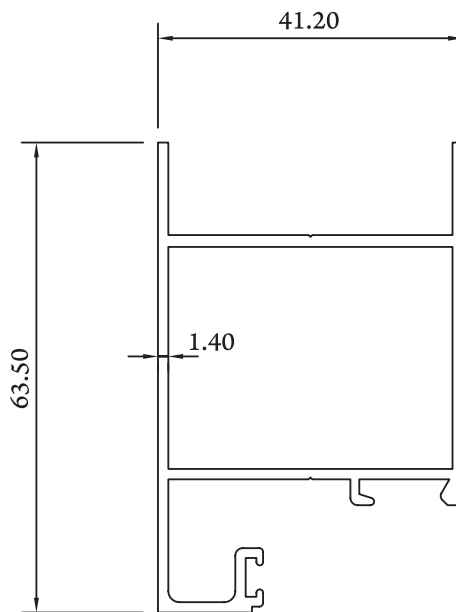
19200

W = 1.018 kg/m
PER = 356.86 mm



19201

W = 1.057 kg/m
PER = 368.83 mm

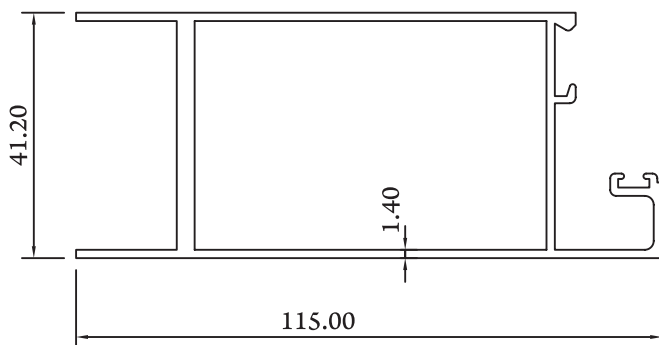


19202

W = 0.859 kg/m
PER = 298.94 mm

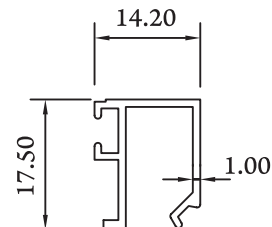
SLIDING

DOOR



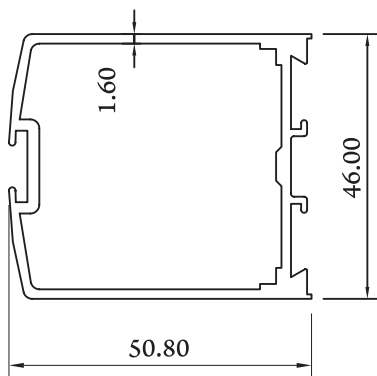
19203

W = 1.392 kg/m
PER = 419.94 mm



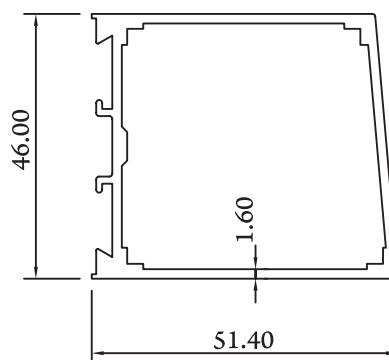
19204

W = 0.158 kg/m
PER = 114.33 mm



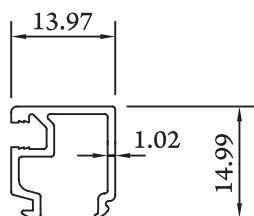
19205

W = 0.953 kg/m
PER = 227.47 mm



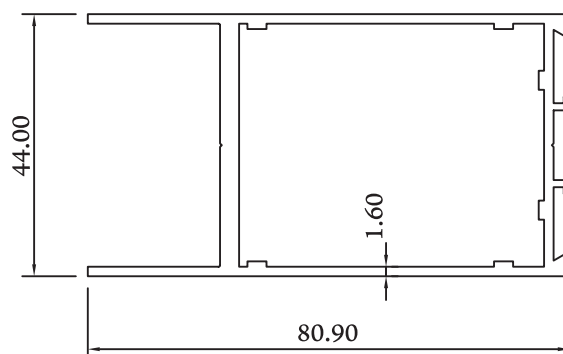
19206

W = 0.929 kg/m
PER = 217.25 mm



19207

W = 0.152 kg/m
PER = 105.39 mm

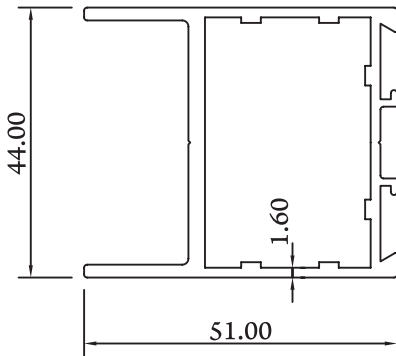


19208

W = 1.390 kg/m
PER = 316.88 mm

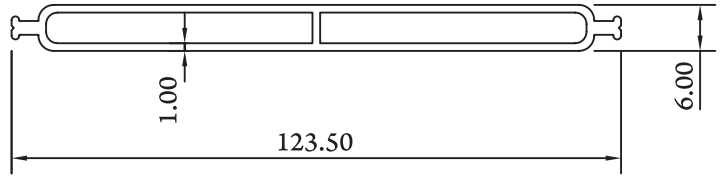
SLIDING

DOOR



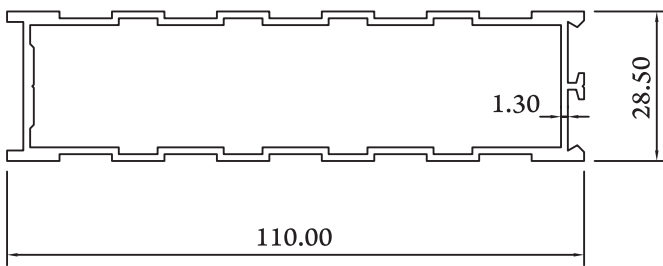
19209

W = 1.056 kg/m
PER = 245.14 mm



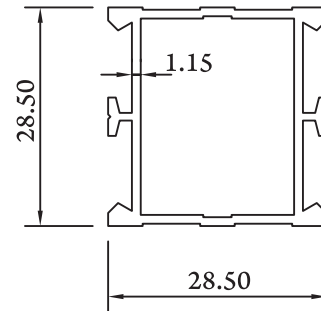
19245

W = 0.702 kg/m
PER = 267.50 mm



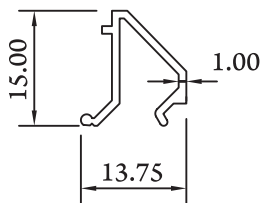
19246

W = 1.191 kg/m
PER = 330.08 mm



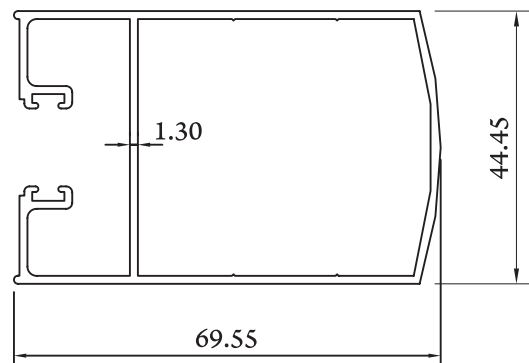
19247

W = 0.429 kg/m
PER = 158.17 mm



19248

W = 0.109 kg/m
PER = 79.66 mm

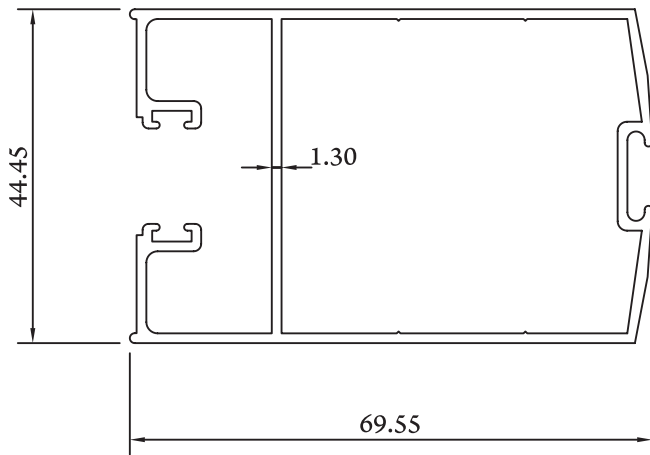


19250

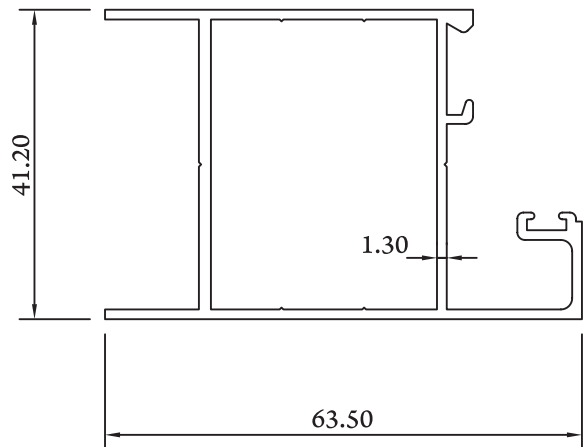
W = 0.948 kg/m
PER = 357.30 mm

SLIDING

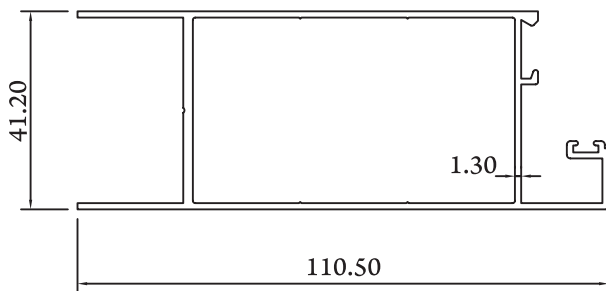
DOOR

**19251**

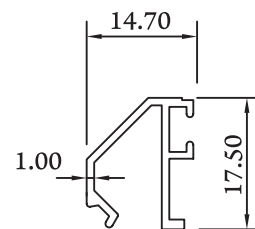
W = 0.983 kg/m
PER = 369.27 mm

**19252**

W = 0.815 kg/m
PER = 298.37 mm

**19253**

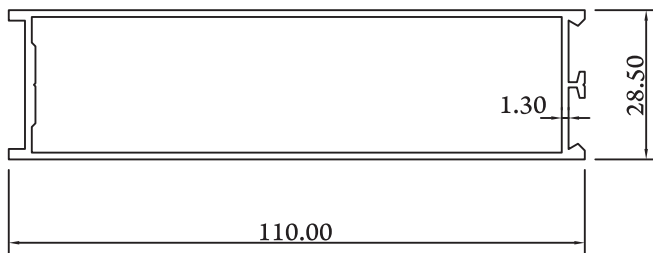
W = 1.185 kg/m
PER = 411.78 mm

**19254**

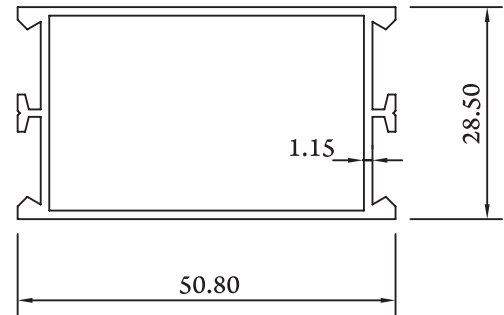
W = 0.142 kg/m
PER = 105.06 mm

SLIDING

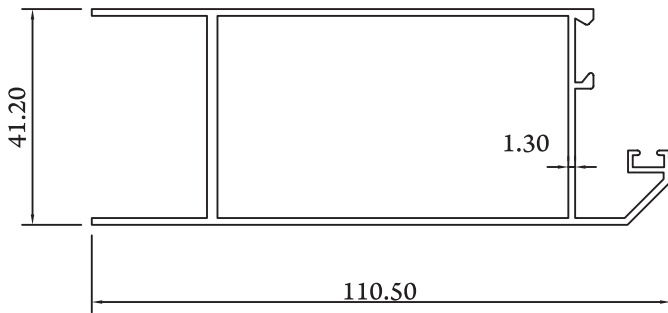
DOOR

**19255**

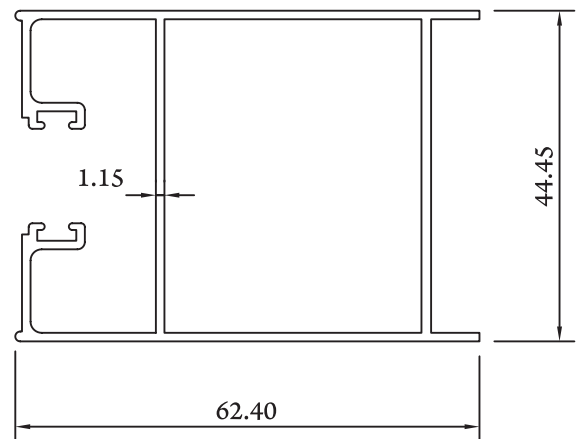
W = 1.039 kg/m
PER = 304.08 mm

**19256**

W = 0.566 kg/m
PER = 200.37 mm

**19257**

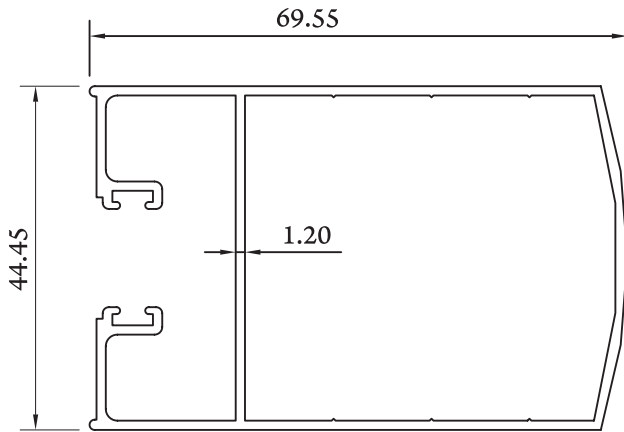
W = 1.160 kg/m
PER = 405.90 mm

**19258**

W = 0.836 kg/m
PER = 362.51 mm

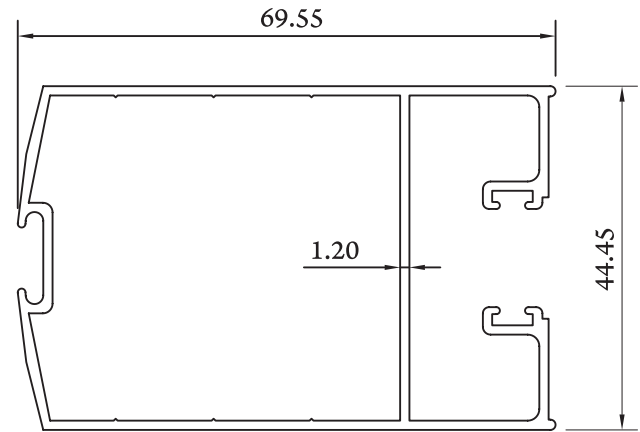
SLIDING

DOOR



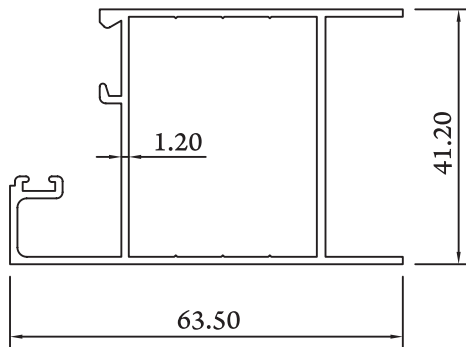
19250T

W = 0.881 kg/m
PER = 357.45 mm



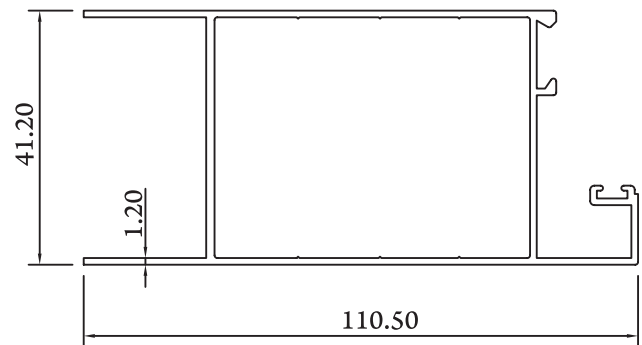
19251T

W = 0.914 kg/m
PER = 369.46 mm



19252T

W = 0.751 kg/m
PER = 298.15 mm

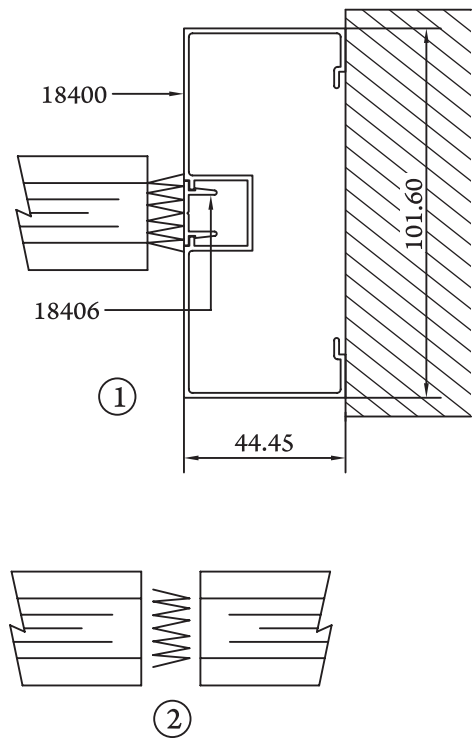
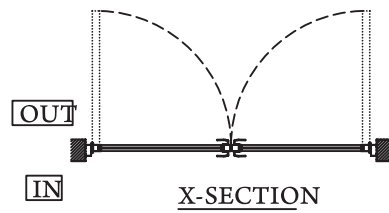
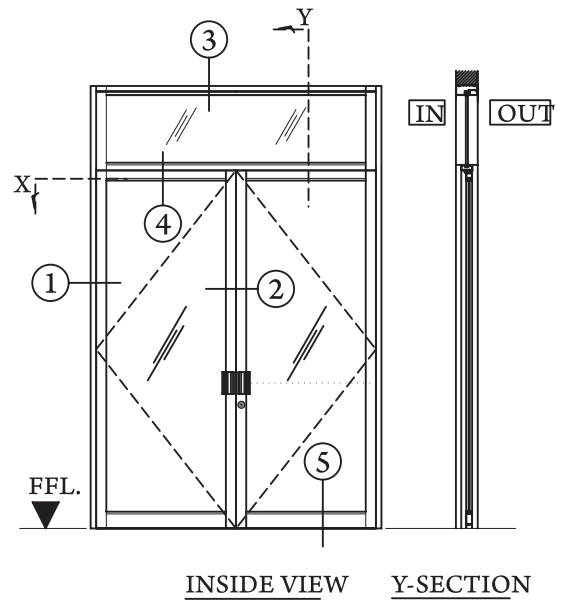
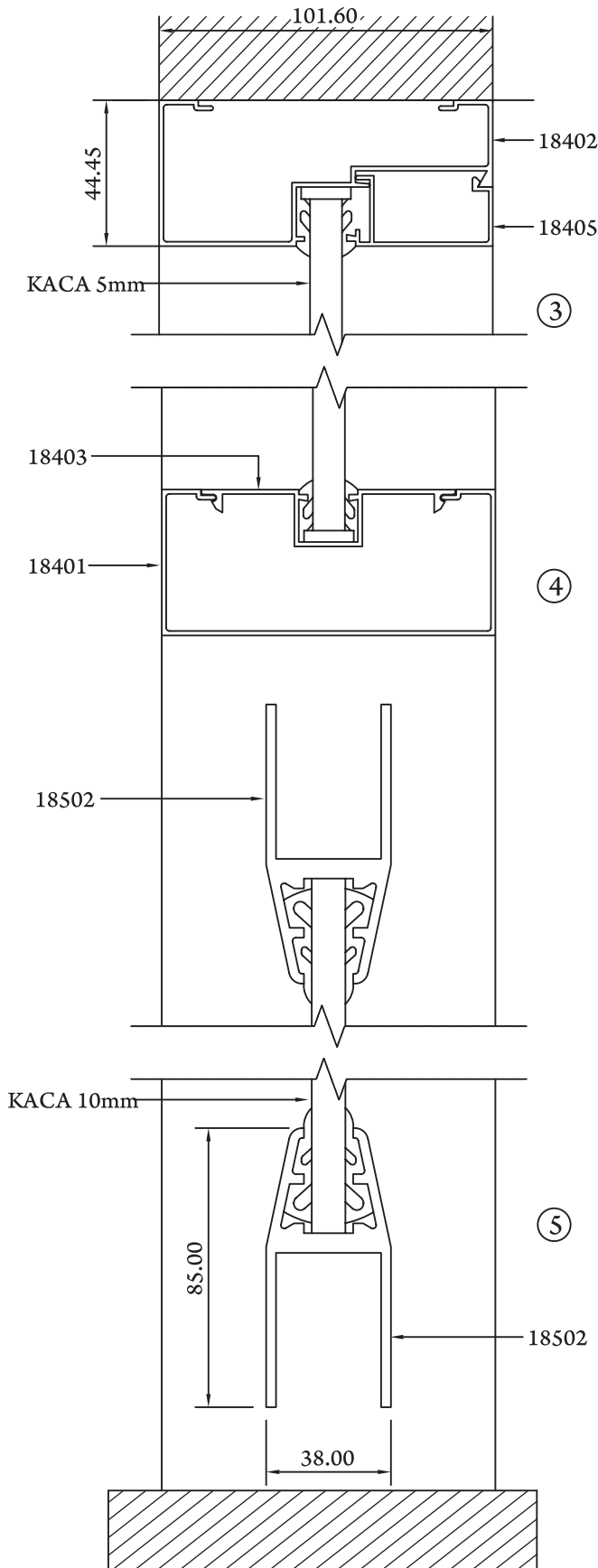


19253T

W = 1.066 kg/m
PER = 412.22 mm

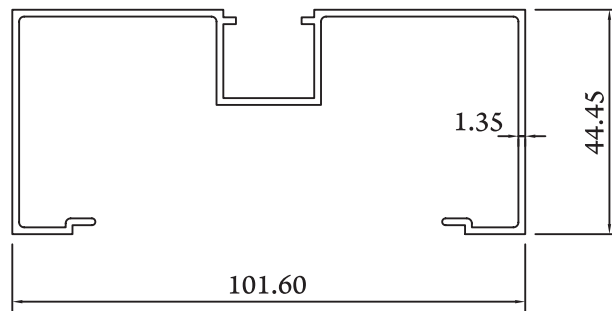
FRAMELESS

DOOR

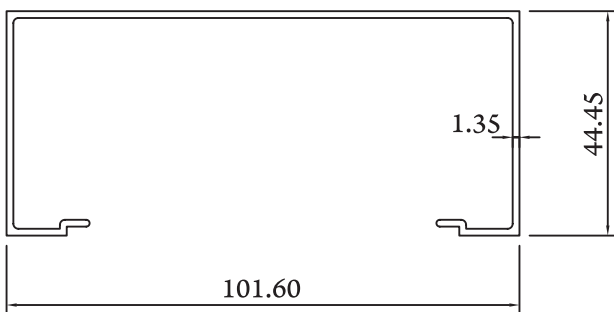


FRAMELESS

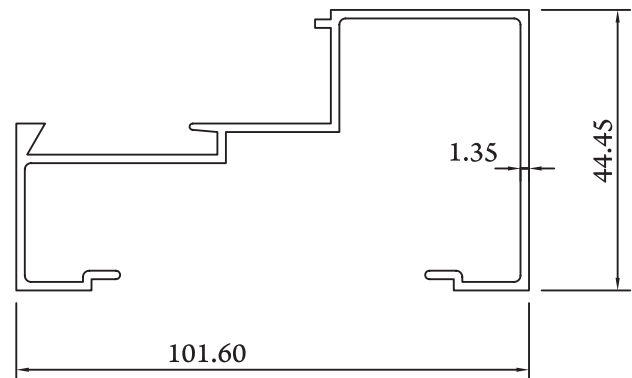
DOOR

**18400**

W = 0.958 kg/m
PER = 543.51 mm

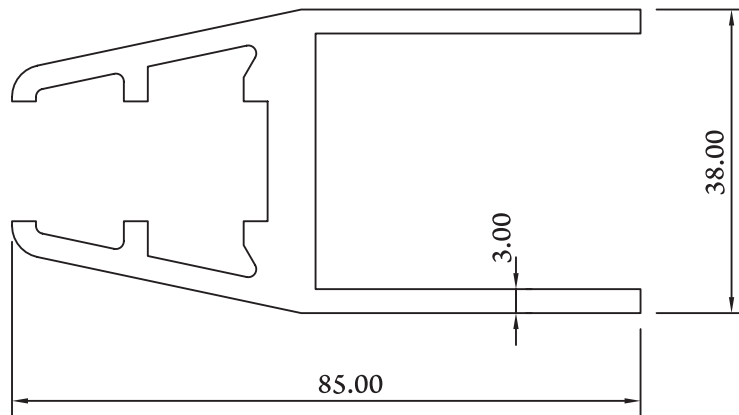
**18401**

W = 0.811 kg/m
PER = 442.09 mm

**18402**

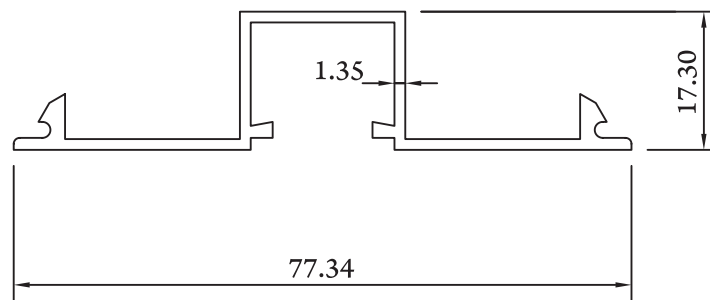
W = 0.871 kg/m
PER = 465.24 mm

FRAMELESS



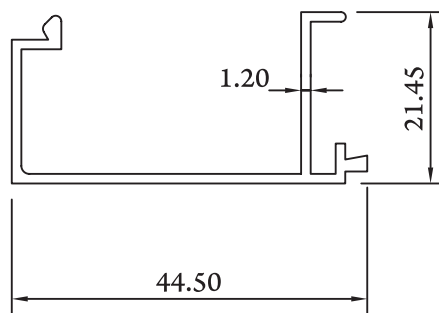
18502

W = 2.143 kg/m
PER = 423.33 mm



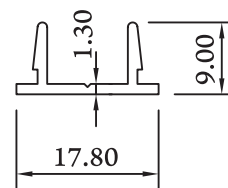
18403

W = 0.480 kg/m
PER = 256.23 mm



18405

W = 0.330 kg/m
PER = 198.65 mm

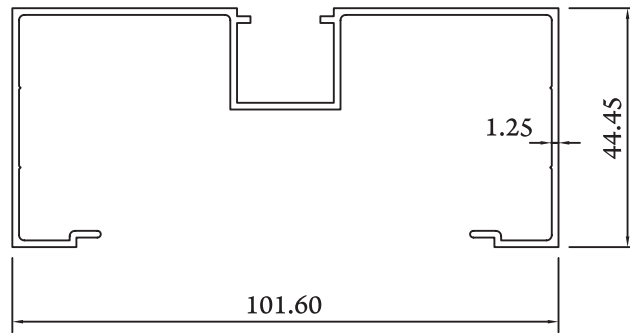


18406

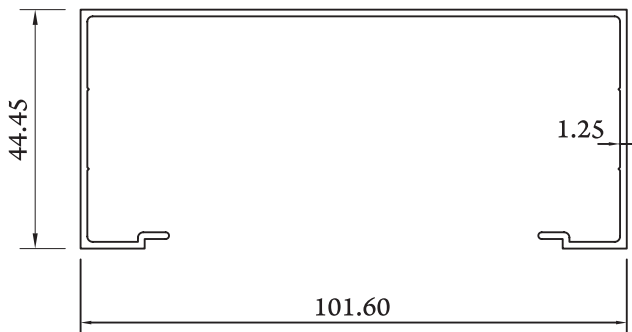
W = 0.120 kg/m
PER = 69.57 mm

FRAMELESS

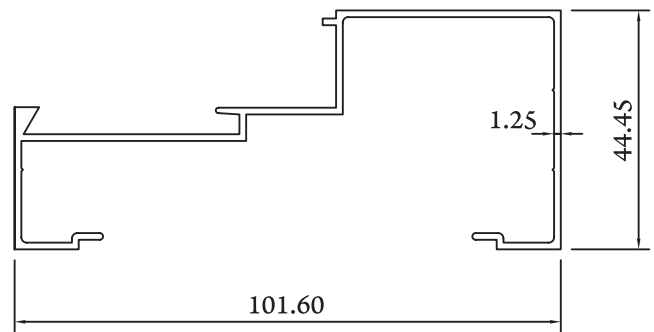
DOOR

**18400T**

W = 0.892 kg/m
PER = 523.31 mm

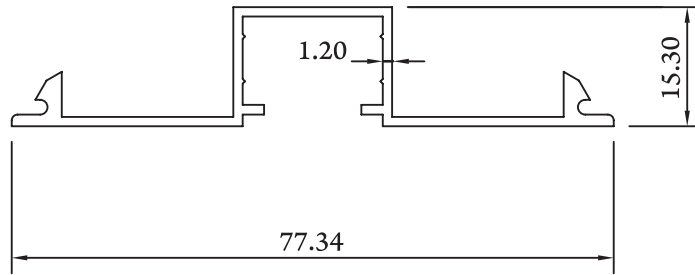
**18401T**

W = 0.752 kg/m
PER = 442.77 mm

**18402T**

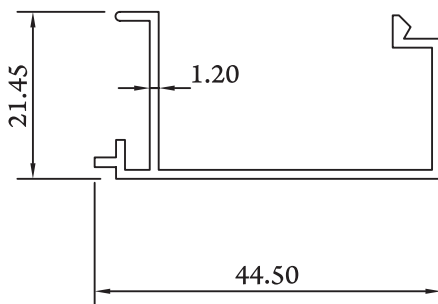
W = 0.809 kg/m
PER = 465.16 mm

FRAMELESS



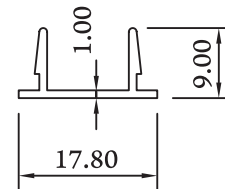
18403T

W = 0.447 kg/m
PER = 253.85 mm



18405T

W = 0.311 kg/m
PER = 196.25 mm



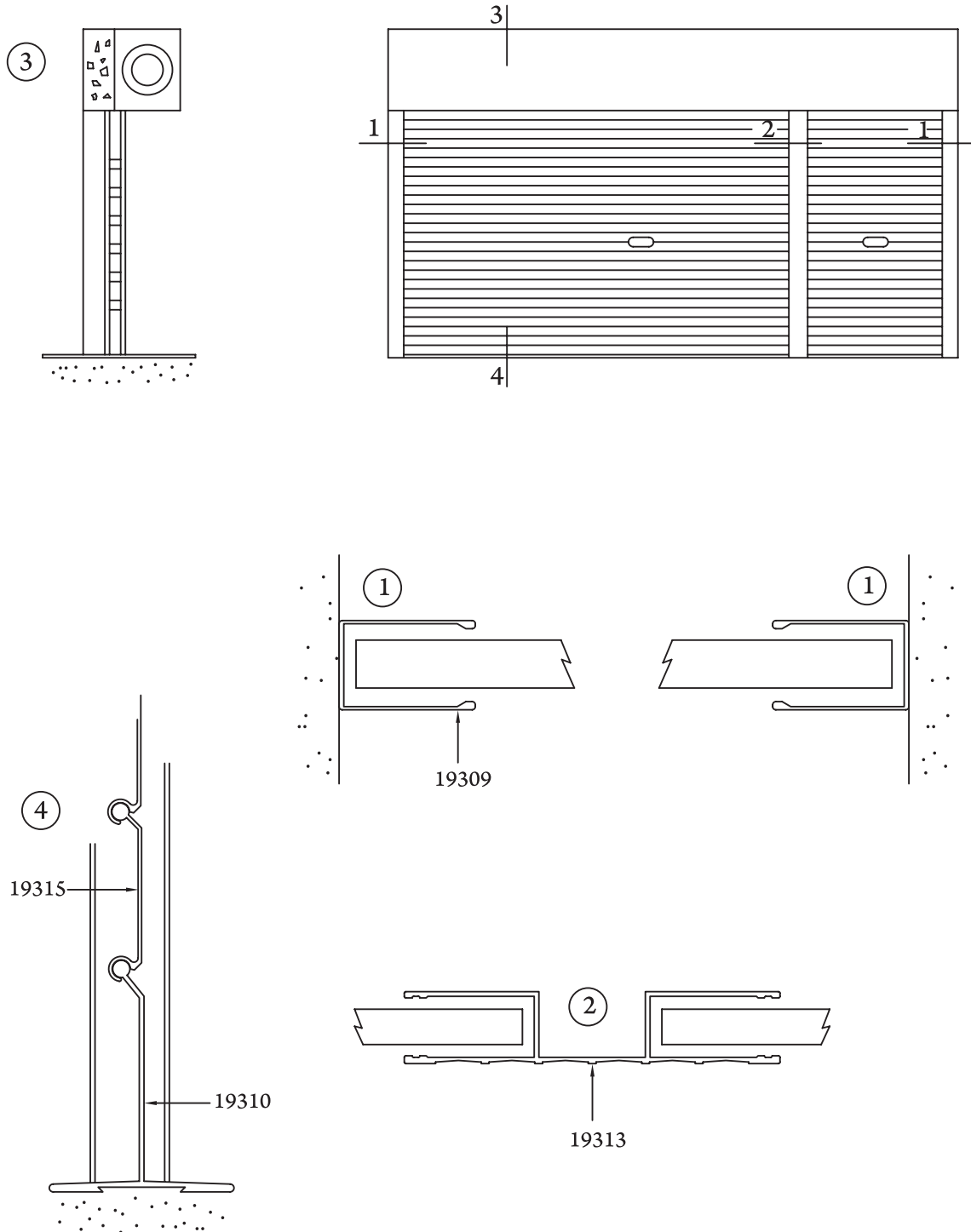
18406T

W = 0.100 kg/m
PER = 70.01 mm

DOOR

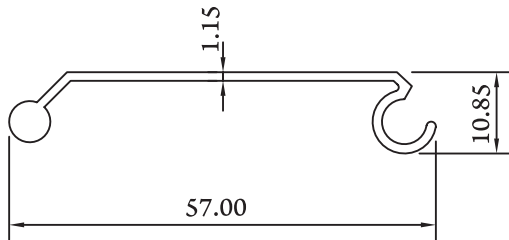
ROLLING

DOOR

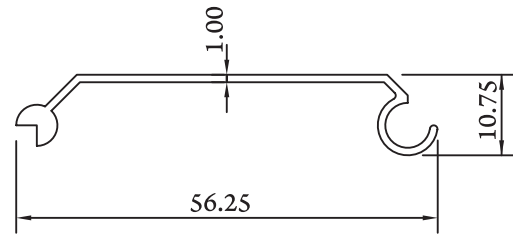


ROLLING

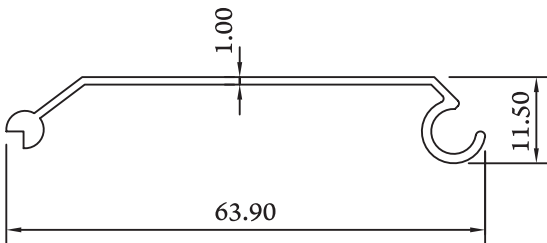
DOOR

**19303**

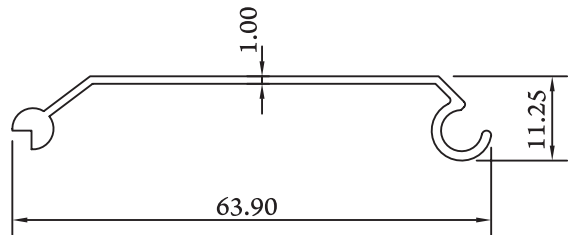
W = 0.283 kg/m
PER = 153.41 mm

**19304**

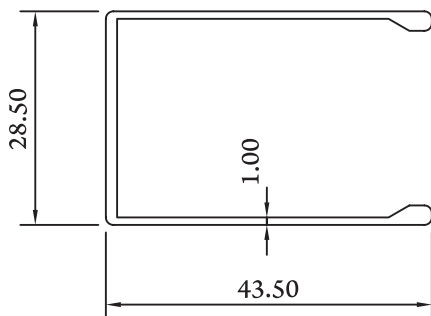
W = 0.228 kg/m
PER = 150.24 mm

**19305**

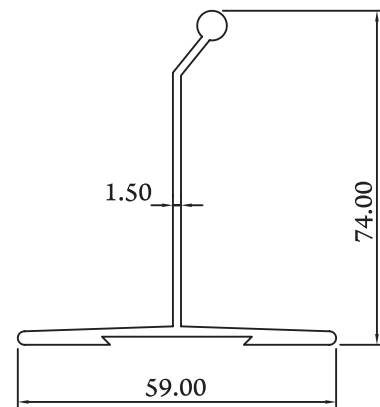
W = 0.259 kg/m
PER = 166.72 mm

**19306**

W = 0.262 kg/m
PER = 164.98 mm

**19309**

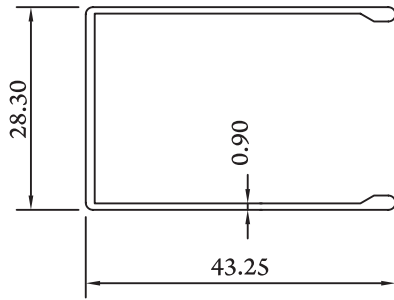
W = 0.378 kg/m
PER = 229.48 mm

**19310**

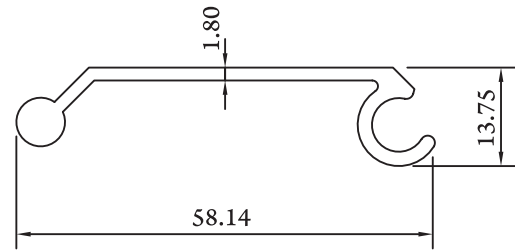
W = 0.734 kg/m
PER = 227.05 mm

ROLLING

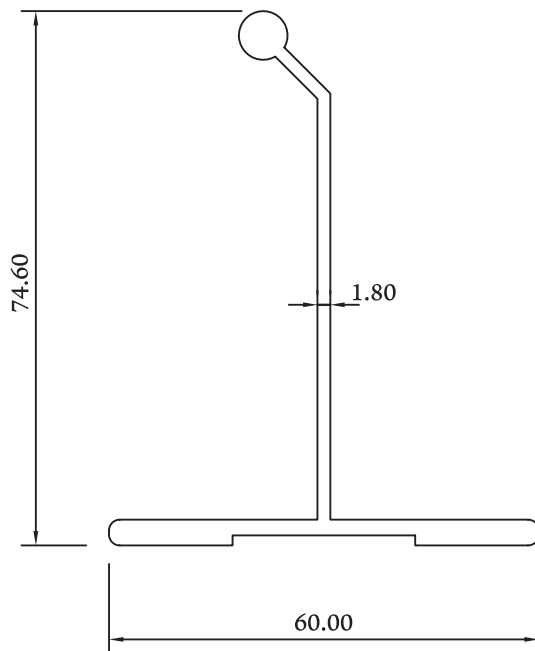
DOOR

**19309T**

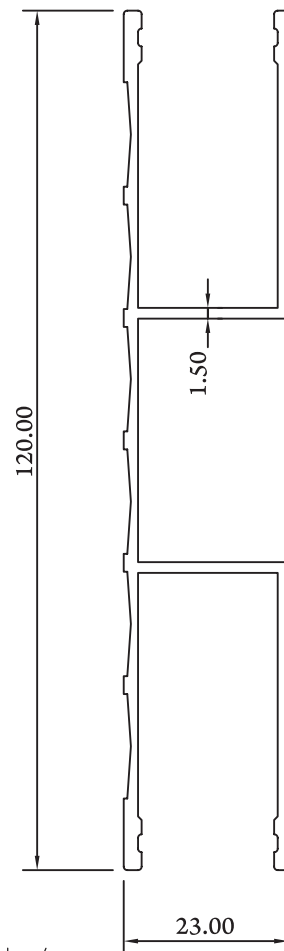
W = 0.320 kg/m
PER = 227.31 mm

**19311**

W = 0.511 kg/m
PER = 167.99 mm

**19312**

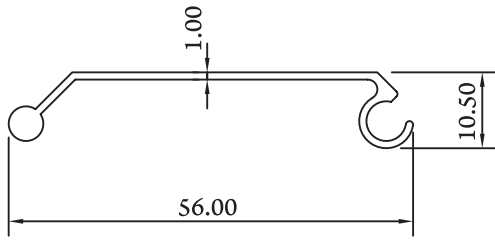
W = 0.912 kg/m
PER = 280.83 mm

**19313**

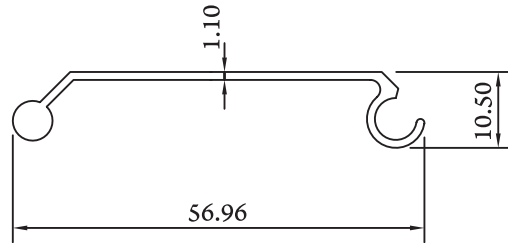
W = 1.000 kg/m
PER = 501.27 mm

ROLLING

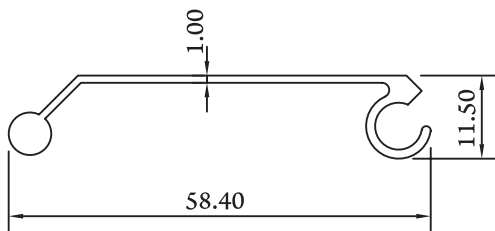
DOOR

**19314**

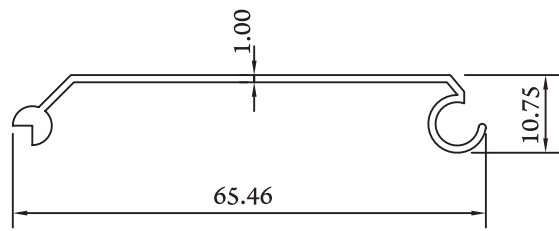
W = 0.240 kg/m
PER = 149.70 mm

**19315**

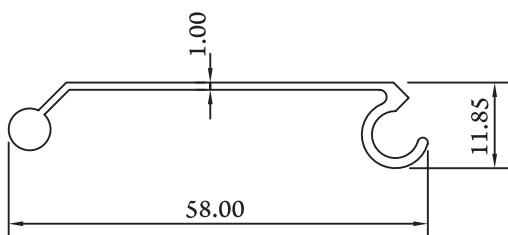
W = 0.271 kg/m
PER = 150.20 mm

**19316**

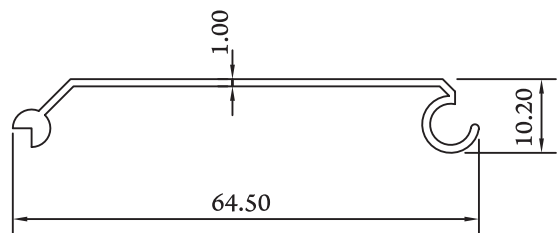
W = 0.305 kg/m
PER = 164.29 mm

**19317**

W = 0.260 kg/m
PER = 174.59 mm

**19319**

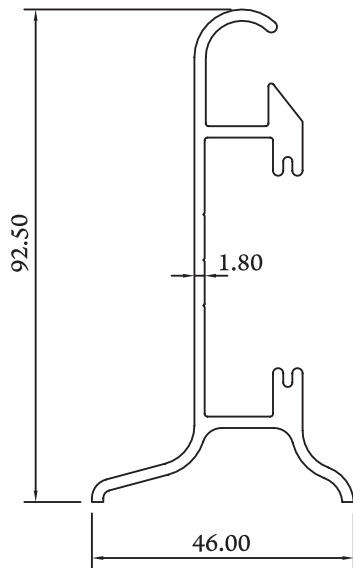
W = 0.292 kg/m
PER = 159.34 mm

**19321**

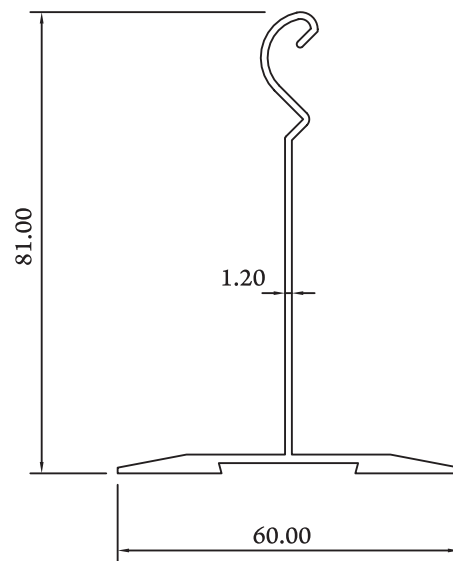
W = 0.253 kg/m
PER = 169.50 mm

ROLLING

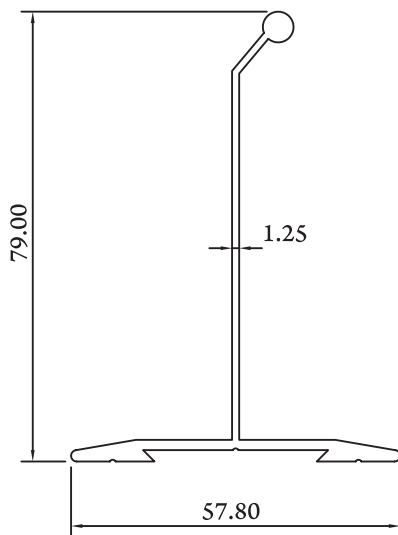
DOOR

**19320**

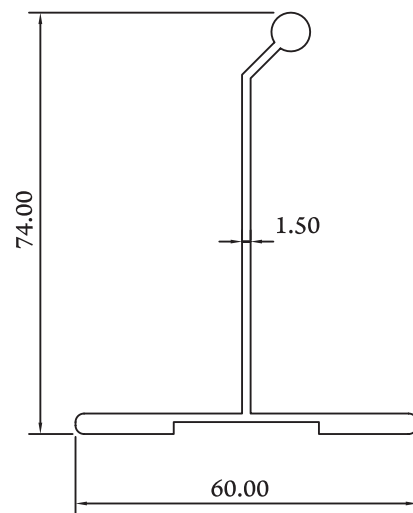
W = 1.128 kg/m
PER = 380.65 mm

**19322**

W = 0.642 kg/m
PER = 309.47 mm

**19323**

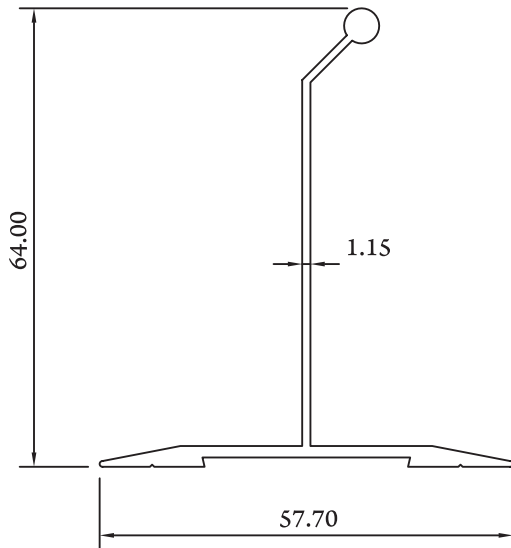
W = 0.675 kg/m
PER = 288.74 mm

**19324**

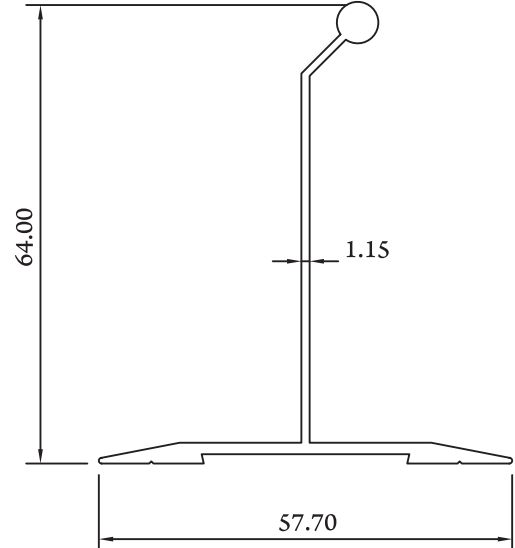
W = 0.805 kg/m
PER = 281.01 mm

ROLLING

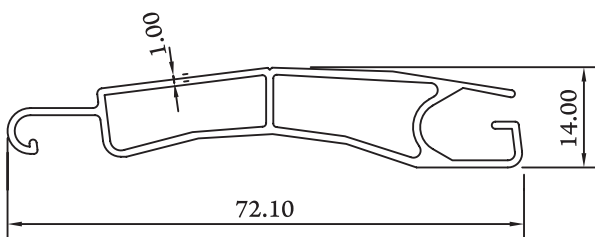
DOOR

**19325**

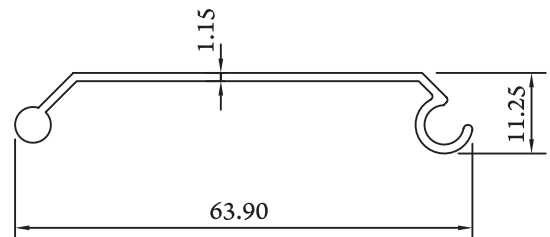
W = 0.522 kg/m
PER = 252.58 mm

**19326**

W = 0.538 kg/m
PER = 254.12 mm

**19327**

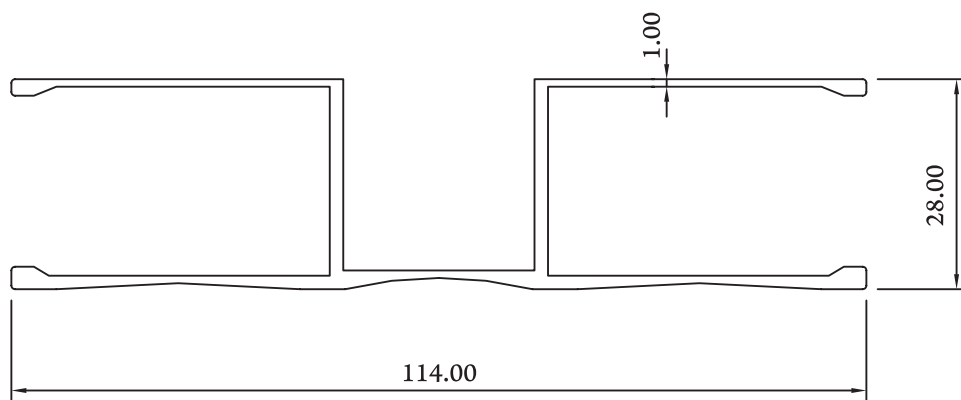
W = 0.484 kg/m
PER = 214.19 mm

**19328**

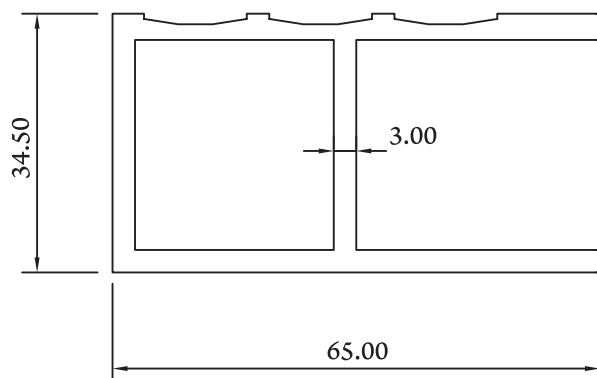
W = 0.290 kg/m
PER = 164.03 mm

ROLLING

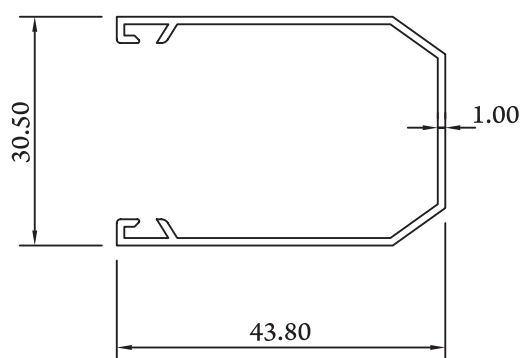
DOOR

**19329**

W = 0.982 kg/m
PER = 509.35 mm

**19330**

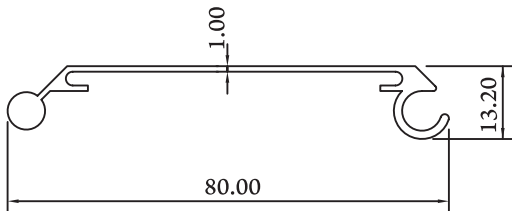
W = 1.462 kg/m
PER = 267.71 mm

**19331**

W = 0.336 kg/m
PER = 249.45 mm

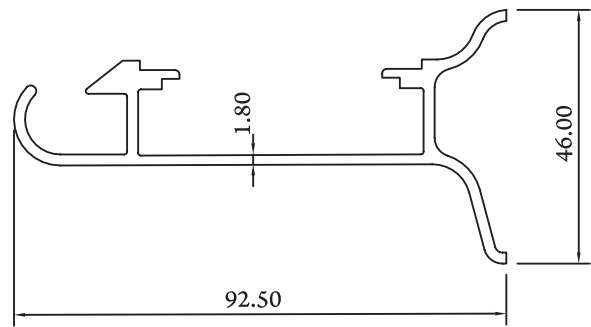
ROLLING

DOOR



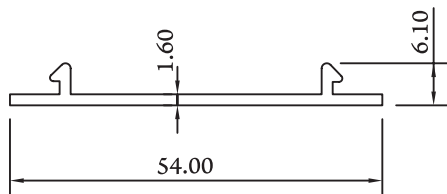
19333

W = 0.444 kg/m
PER = 222.96 mm



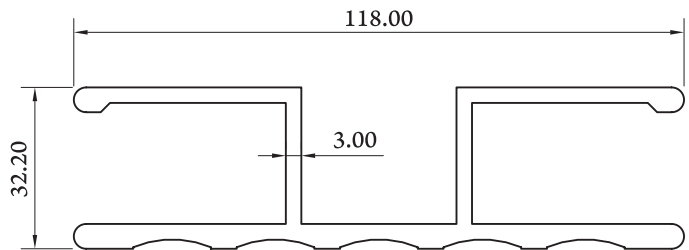
19336

W = 1.056 kg/m
PER = 370.14 mm



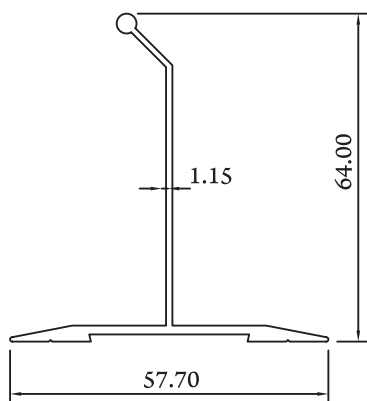
19337

W = 0.282 kg/m
PER = 131.35 mm



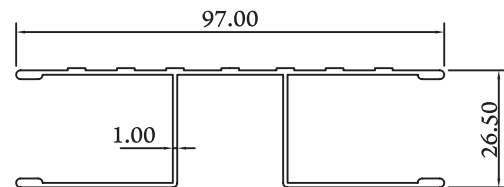
19338

W = 2.398 kg/m
PER = 517.03 mm



19341

W = 0.499 kg/m
PER = 251.13 mm

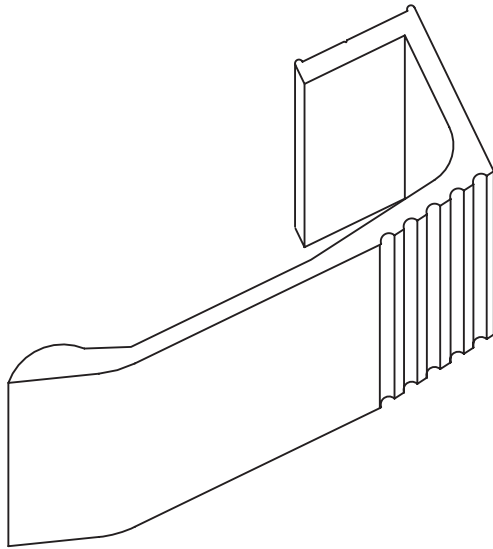


19342

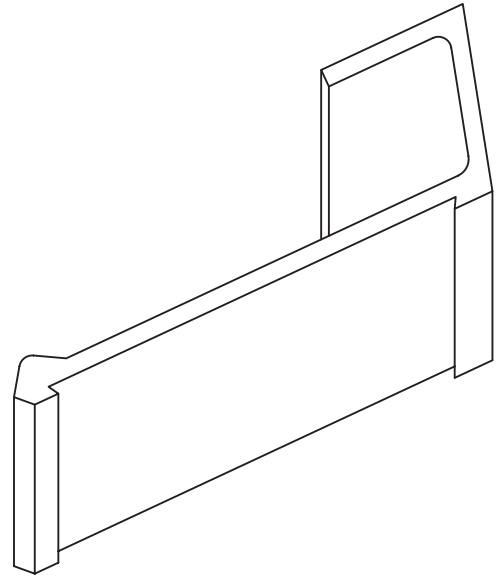
W = 0.690 kg/m
PER = 448.99 mm

HANDLE

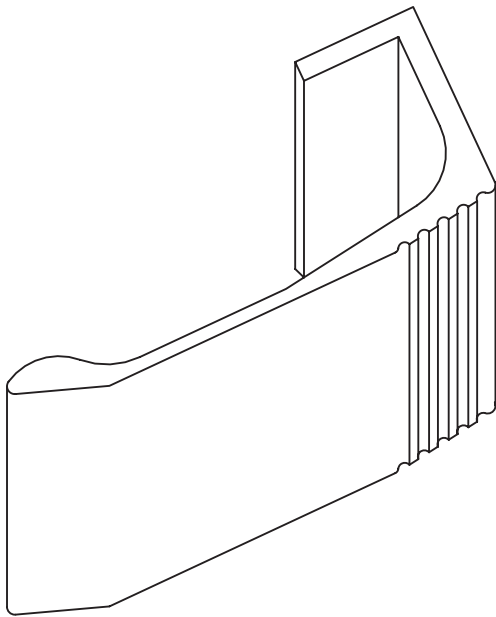
DOOR



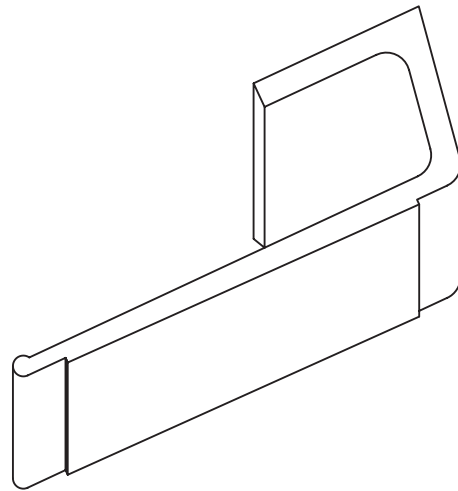
19210



19211



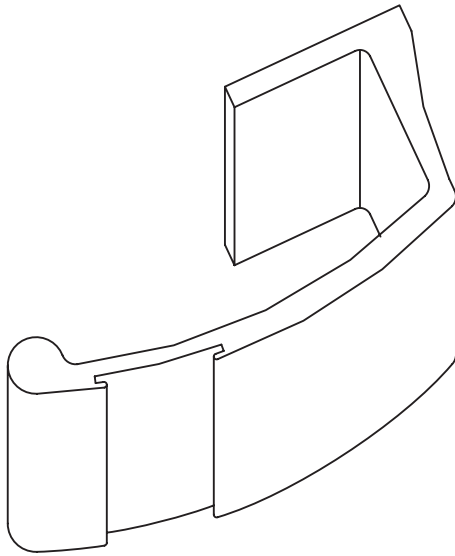
19212



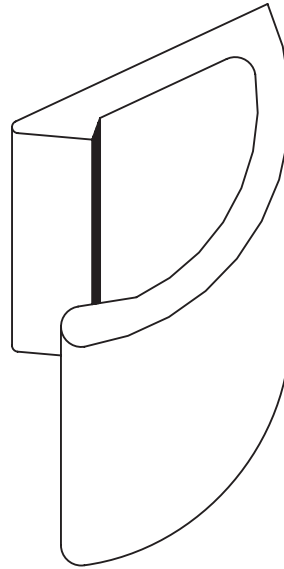
19213

HANDLE

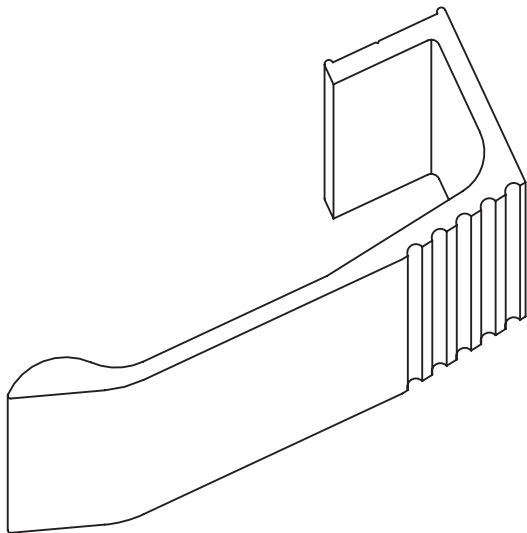
DOOR



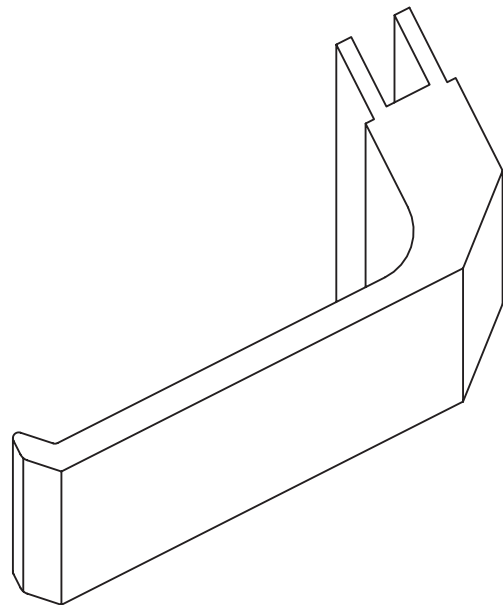
19214



19215



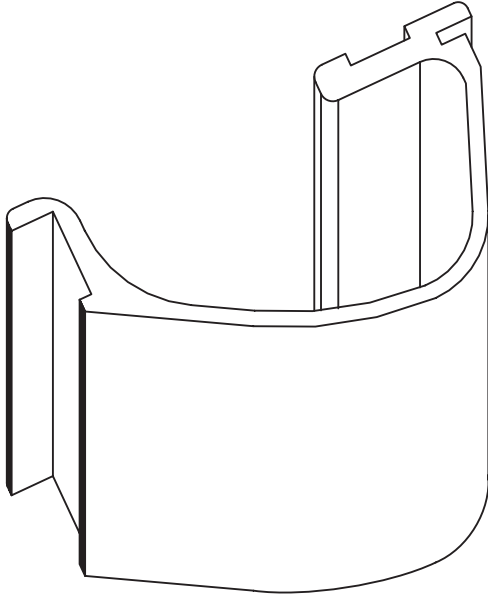
19219



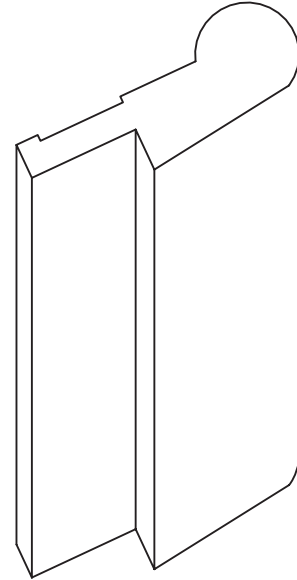
19220

HANDLE

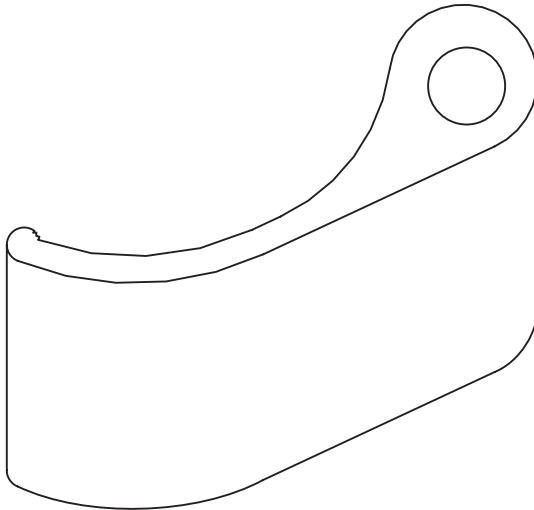
DOOR



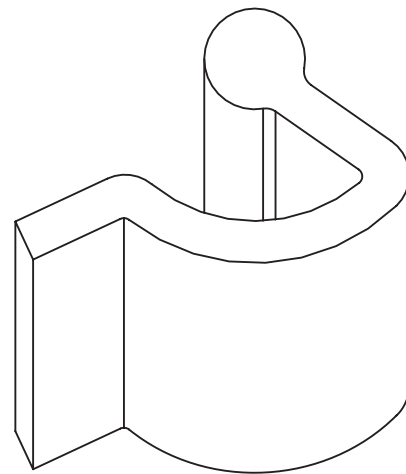
19242



19243



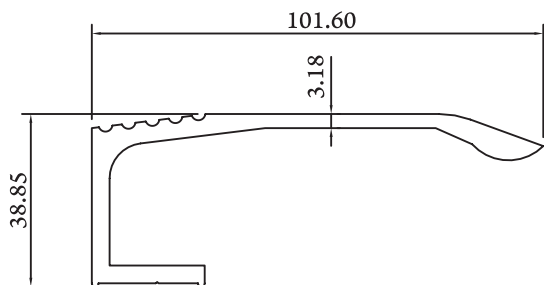
19244



30007

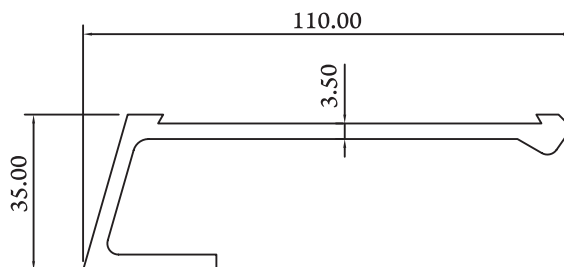
HANDLE

DOOR



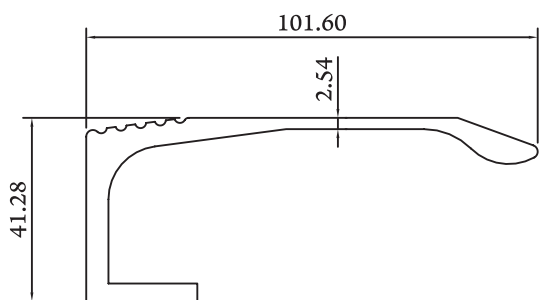
19210

W = 1.687 kg/m
PER = 320.75 mm



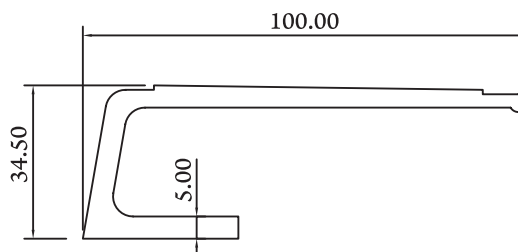
19211

W = 1.627 kg/m
PER = 329.41 mm



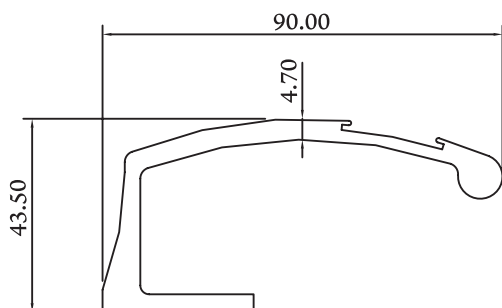
19212

W = 1.836 kg/m
PER = 320.91 mm



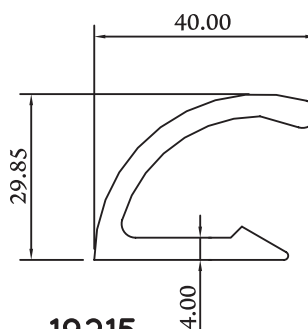
19213

W = 1.925 kg/m
PER = 311.14 mm



19214

W = 1.856 kg/m
PER = 317.19 mm

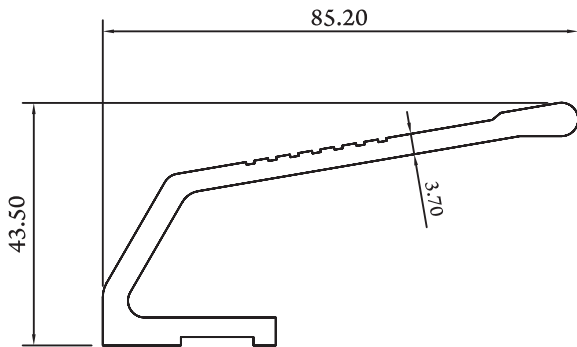


19215

W = 0.956 kg/m
PER = 173.67 mm

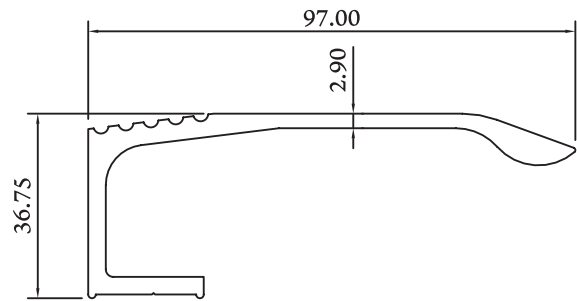
HANDLE

DOOR



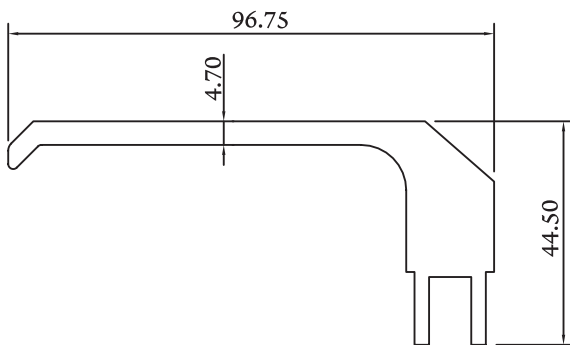
19218

W = 1.476 kg/m
PER = 279.21 mm



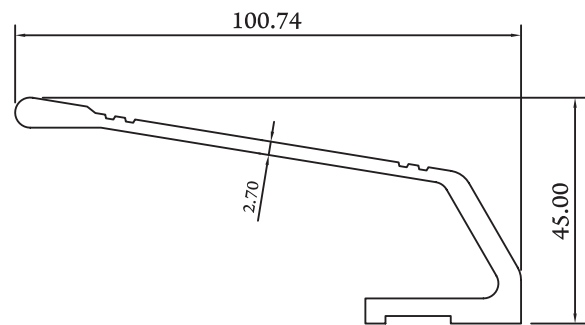
19219

W = 1.466 kg/m
PER = 304.92 mm



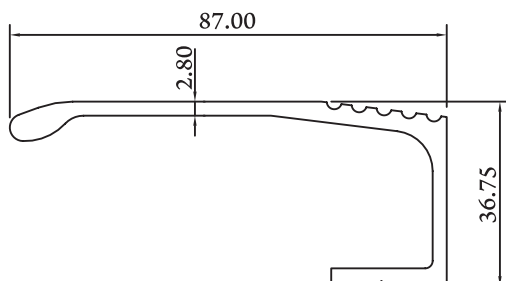
19220

W = 2.521 kg/m
PER = 301.40 mm



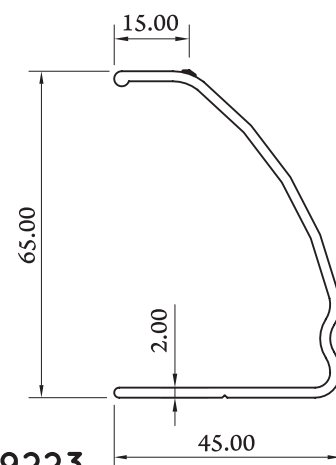
19221

W = 1.426 kg/m
PER = 306.78 mm



19222

W = 1.217 kg/m
PER = 286.46 mm

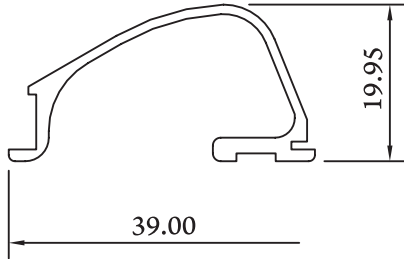


19223

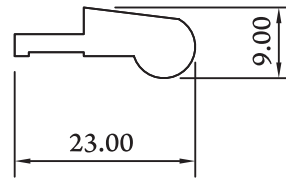
W = 0.710 kg/m
PER = 264.77 mm

HANDLE

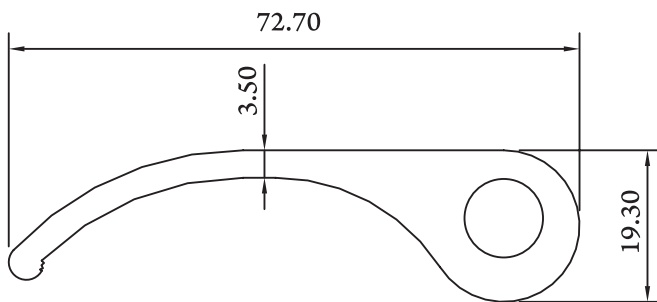
DOOR

**19242**

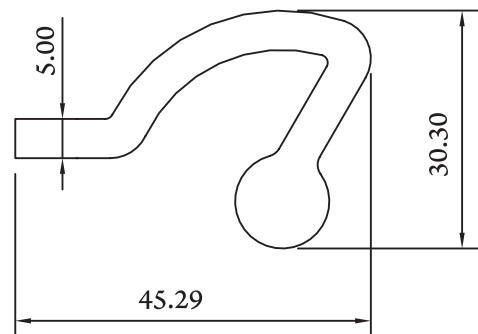
W = 0.316 kg/m
PER = 154.03 mm

**19243**

W = 0.300 kg/m
PER = 59.02 mm

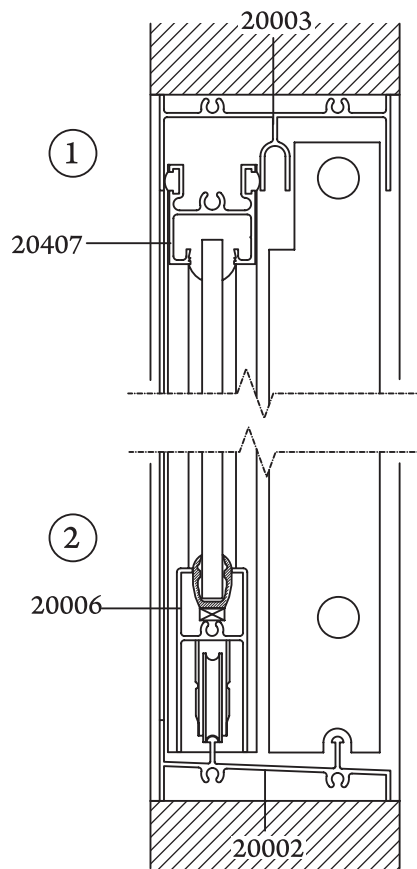
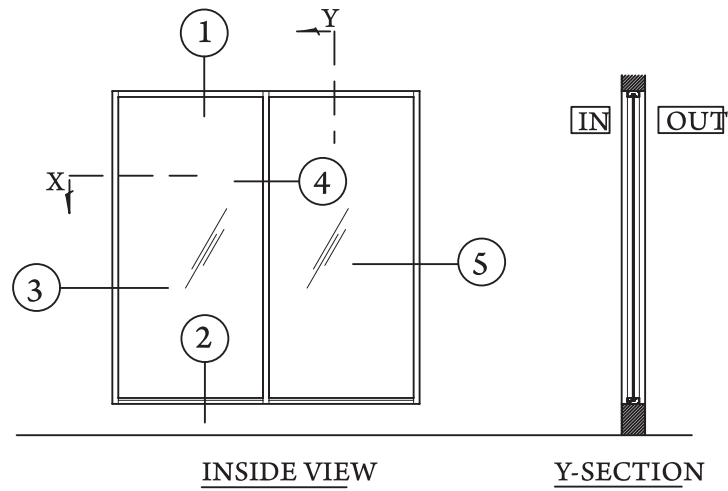
**19244**

W = 1.321 kg/m
PER = 173.08 mm

**30007**

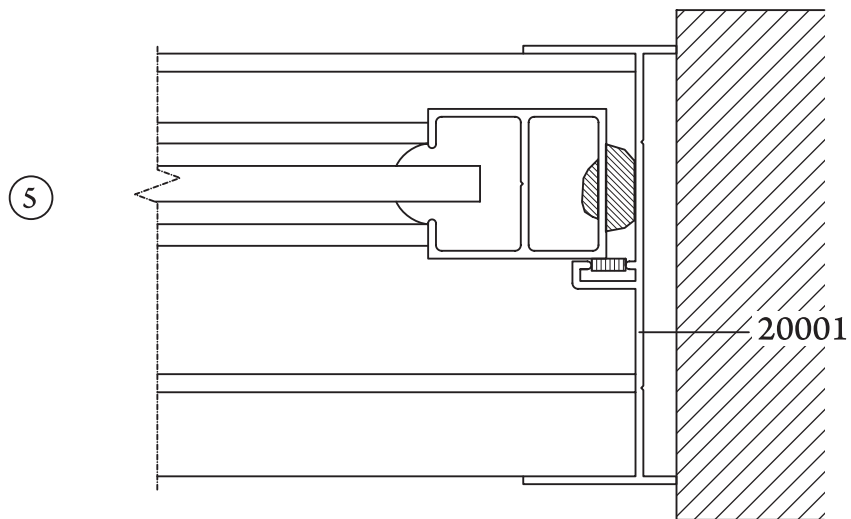
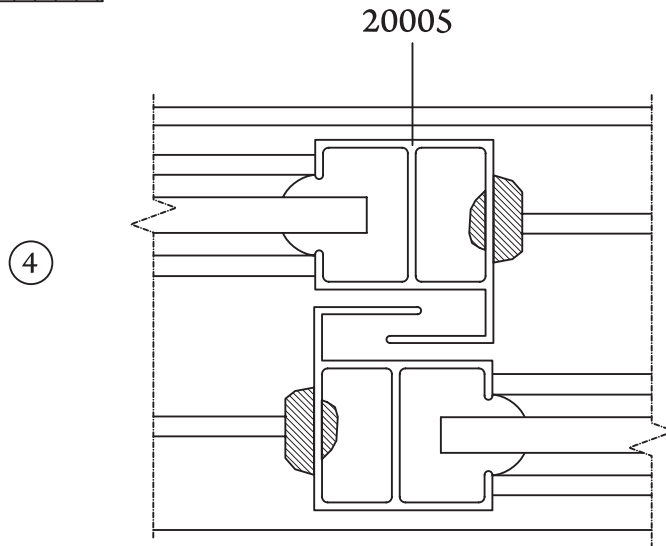
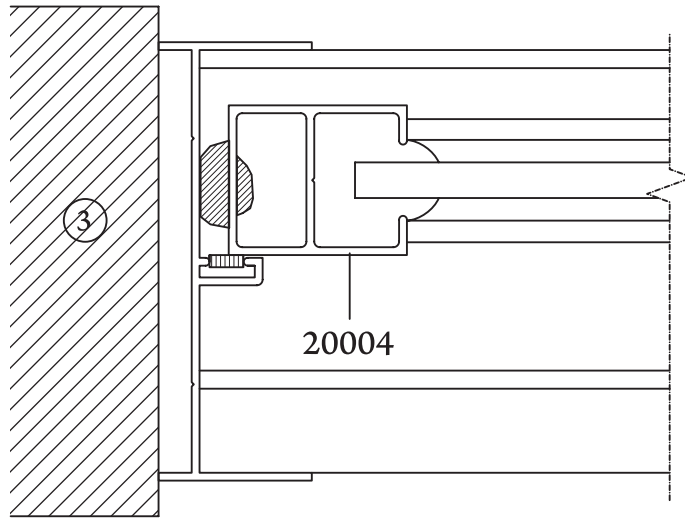
W = 1.180 kg/m
PER = 165.41 mm

SLIDING

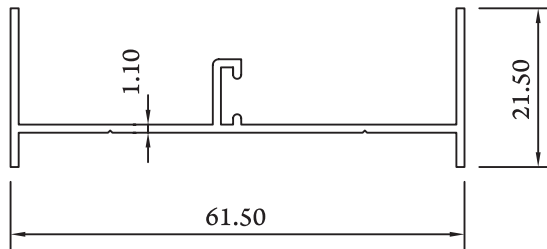


SLIDING

WINDOW

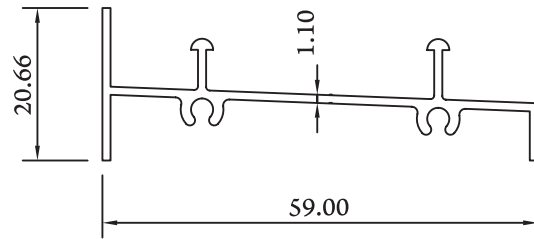


SLIDING



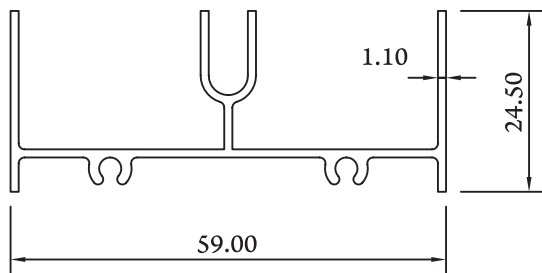
20001

W = 0.348 kg/m
PER = 235.45 mm



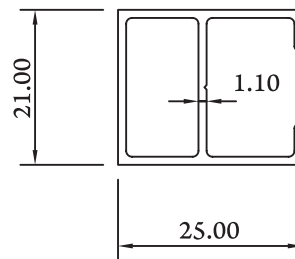
20002

W = 0.373 kg/m
PER = 231.70 mm



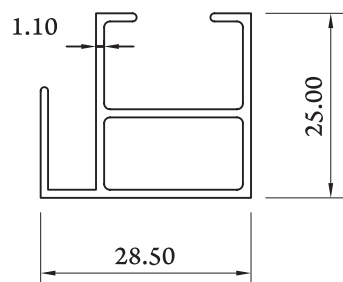
20003

W = 0.480 kg/m
PER = 303.69 mm



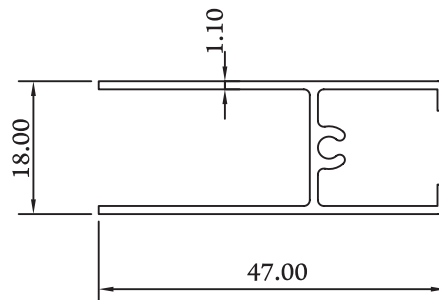
20004

W = 0.289 kg/m
PER = 133.53 mm



20005

W = 0.349 kg/m
PER = 175.65 mm

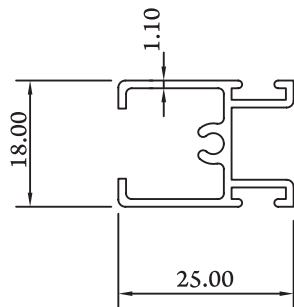


20006

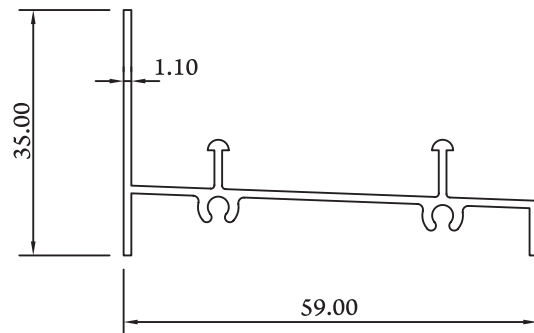
W = 0.376 kg/m
PER = 243.30 mm

SLIDING

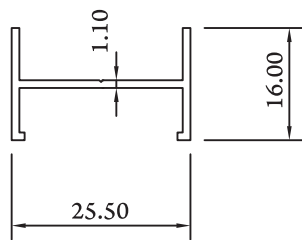
WINDOW

**20007**

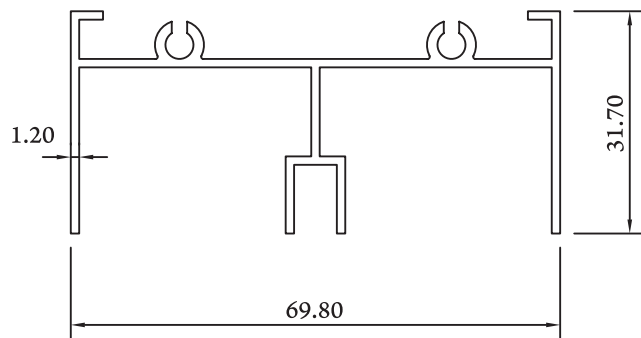
W = 0.277 kg/m
PER = 176.15 mm

**20008**

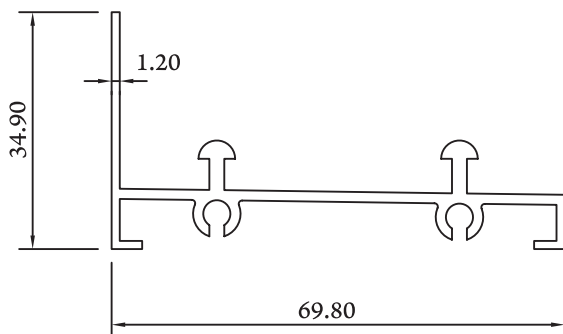
W = 0.414 kg/m
PER = 260.35 mm

**20009**

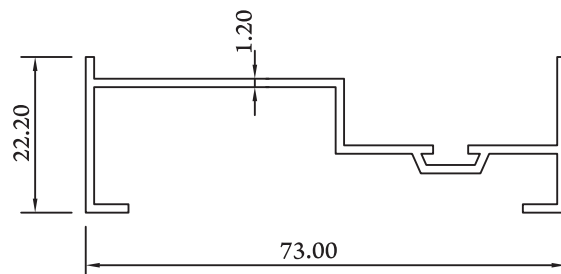
W = 0.169 kg/m
PER = 116.01 mm

**20010**

W = 0.670 kg/m
PER = 399.14 mm

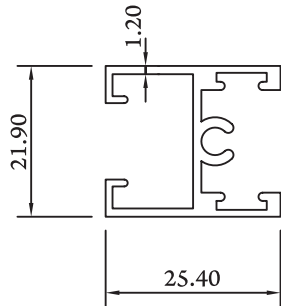
**20011**

W = 0.646 kg/m
PER = 313.05 mm

**20012**

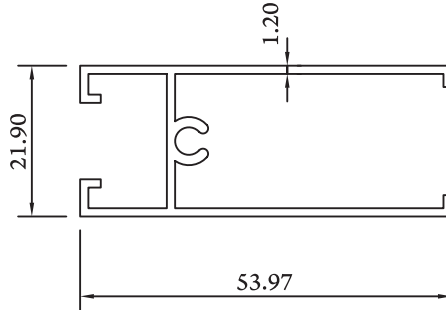
W = 0.461 kg/m
PER = 285.85 mm

SLIDING



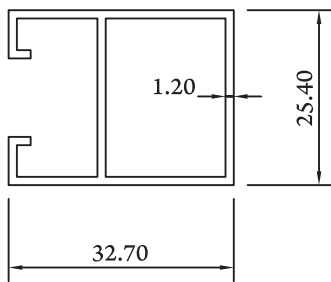
20013

W = 0.366 kg/m
PER = 202.07 mm



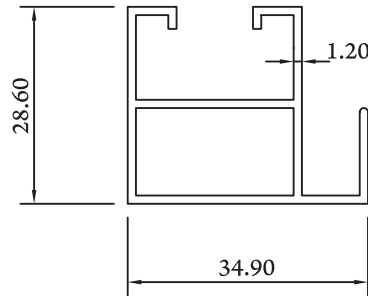
20014

W = 0.512 kg/m
PER = 310.49 mm



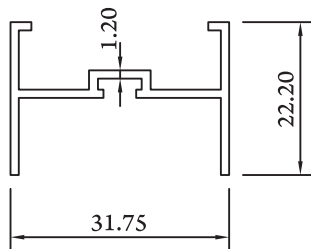
20015

W = 0.413 kg/m
PER = 173.20 mm



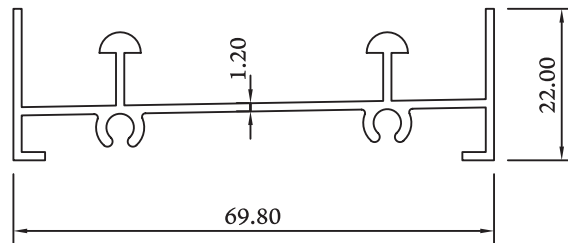
20016

W = 0.459 kg/m
PER = 210.88 mm



20017

W = 0.277 kg/m
PER = 171.62 mm

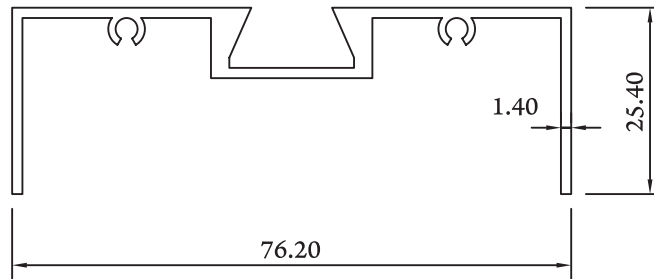


20018

W = 0.550 kg/m
PER = 327.28 mm

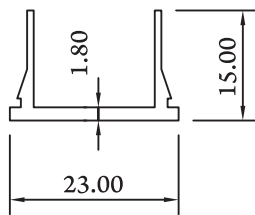
SLIDING

WINDOW



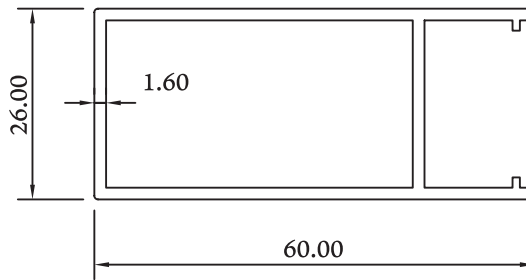
20019

W = 0.679 kg/m
PER = 315.28 mm



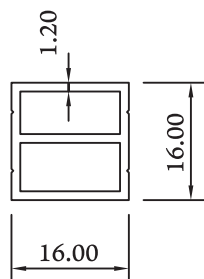
20020

W = 0.197 kg/m
PER = 102.14 mm



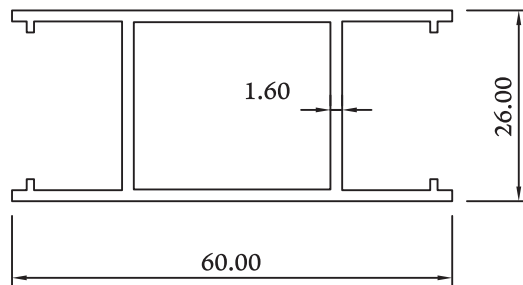
20021

W = 0.718 kg/m
PER = 207.57 mm



20022

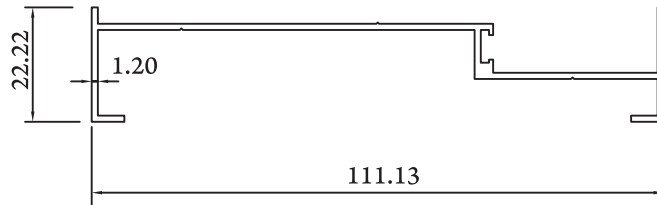
W = 0.236 kg/m
PER = 64.83 mm



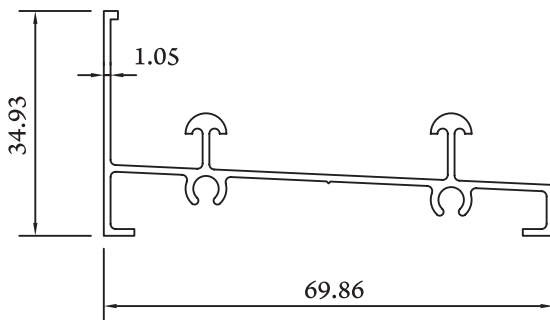
20023

W = 0.718 kg/m
PER = 244.00 mm

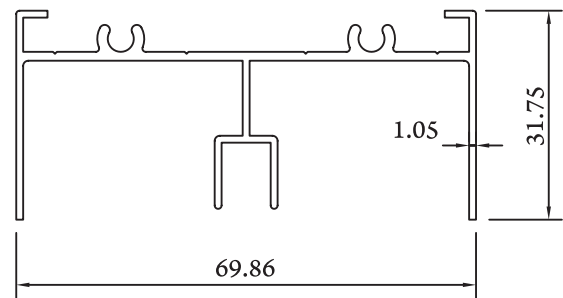
SLIDING

**20400**

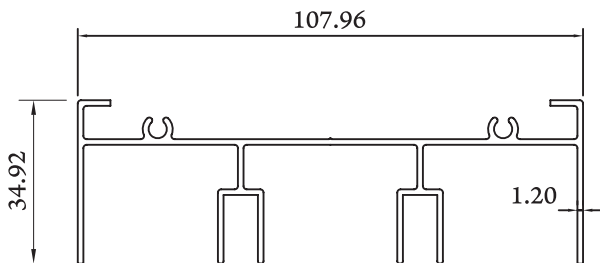
W = 0.586 kg/m
PER = 356.88 mm

**20401**

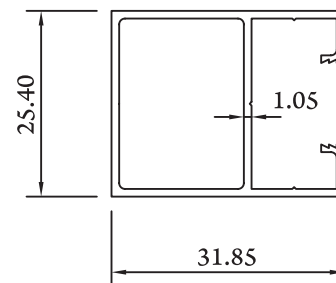
W = 0.522 kg/m
PER = 325.64 mm

**20402**

W = 0.590 kg/m
PER = 387.31 mm

**20403**

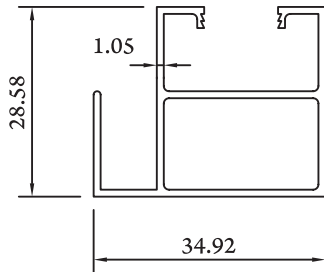
W = 1.001 kg/m
PER = 594.26 mm

**20404**

W = 0.360 kg/m
PER = 173.87 mm

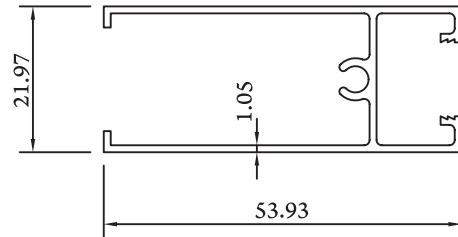
SLIDING

WINDOW



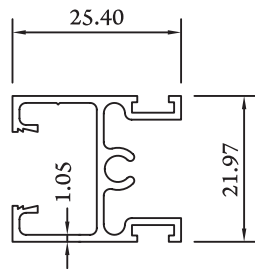
20405

W = 0.410 kg/m
PER = 215.36 mm



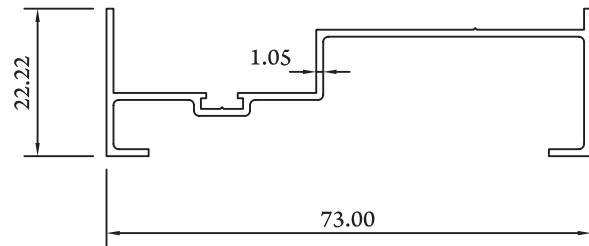
20406

W = 0.450 kg/m
PER = 307.33 mm



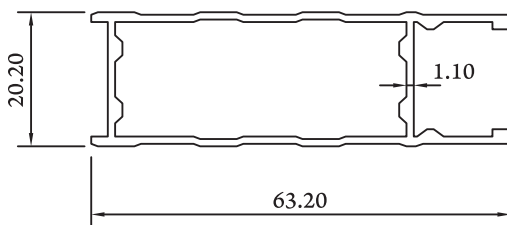
20407

W = 0.319 kg/m
PER = 208.64 mm



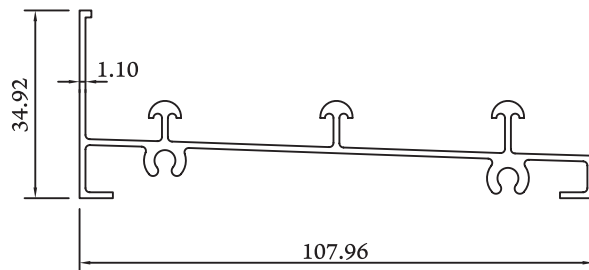
20408

W = 0.404 kg/m
PER = 283.03 mm



20409

W = 0.568 kg/m
PER = 205.40 mm

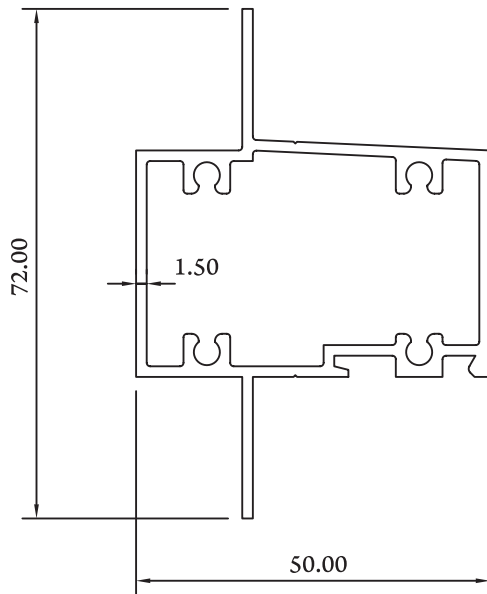


20410

W = 0.782 kg/m
PER = 435.40 mm

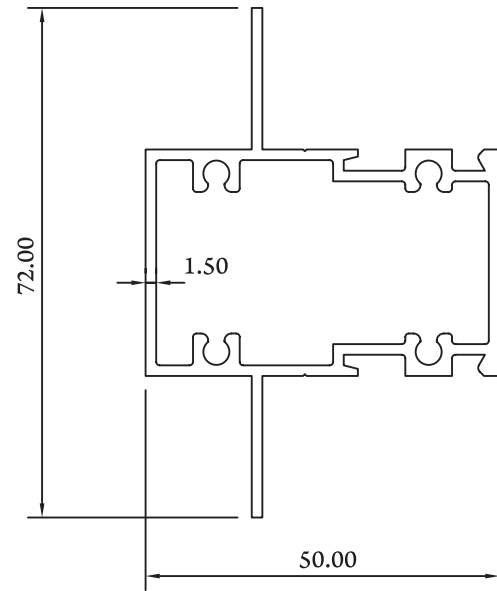
TOP HUNG

WINDOW



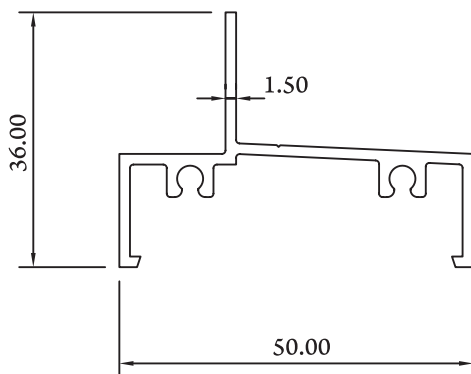
20101

W = 1.031 kg/m
PER = 258.36 mm



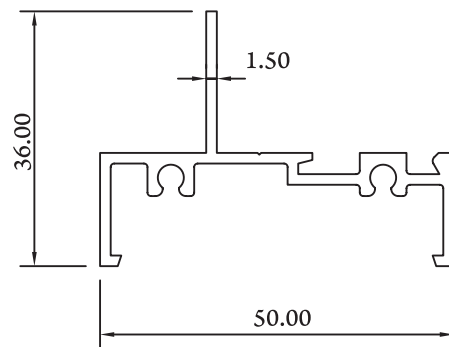
20102

W = 1.042 kg/m
PER = 276.05 mm



20103

W = 0.517 kg/m
PER = 239.34 mm

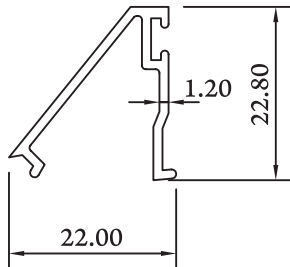


20104

W = 0.535 kg/m
PER = 248.72 mm

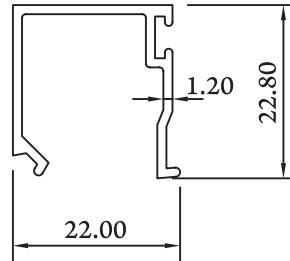
TOP HUNG

WINDOW



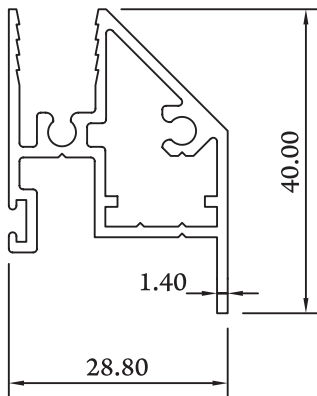
20105

W = 0.200 kg/m
PER = 131.35 mm



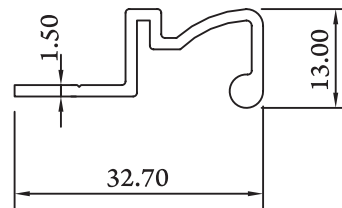
20106

W = 0.239 kg/m
PER = 145.14 mm



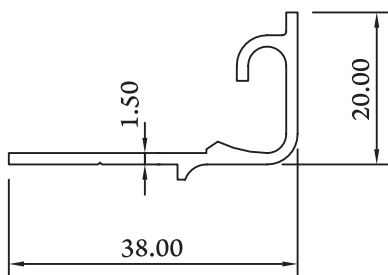
20107

W = 0.623 kg/m
PER = 212.49 mm



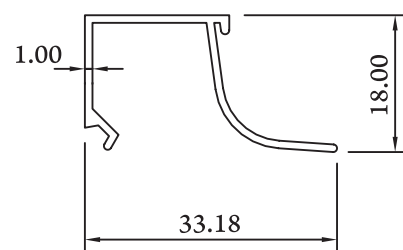
20108

W = 0.262 kg/m
PER = 121.38 mm



20109

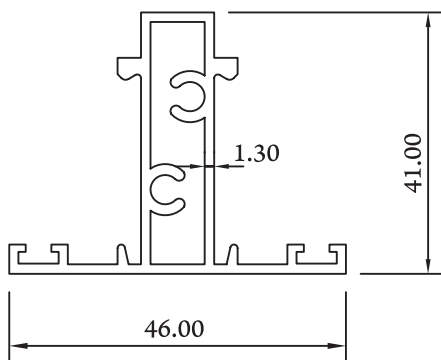
W = 0.289 kg/m
PER = 135.23 mm



20110

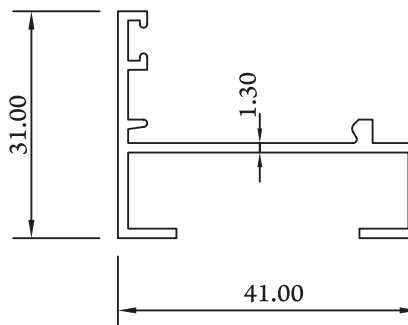
W = 0.188 kg/m
PER = 136.42 mm

TOP HUNG



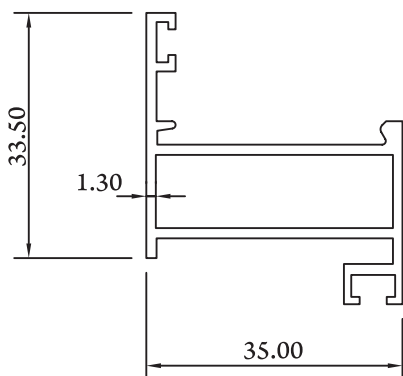
2011

W = 0.739 kg/m
PER = 228.15 mm



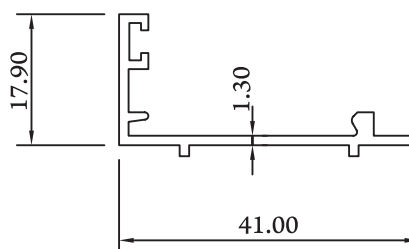
2012

W = 0.404 kg/m
PER = 218.40 mm



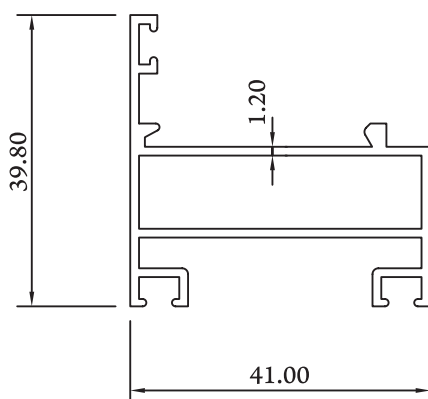
2013

W = 0.543 kg/m
PER = 206.29 mm



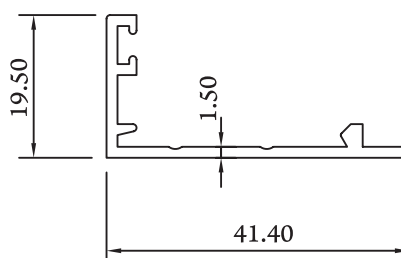
2014

W = 0.269 kg/m
PER = 149.69 mm



2015

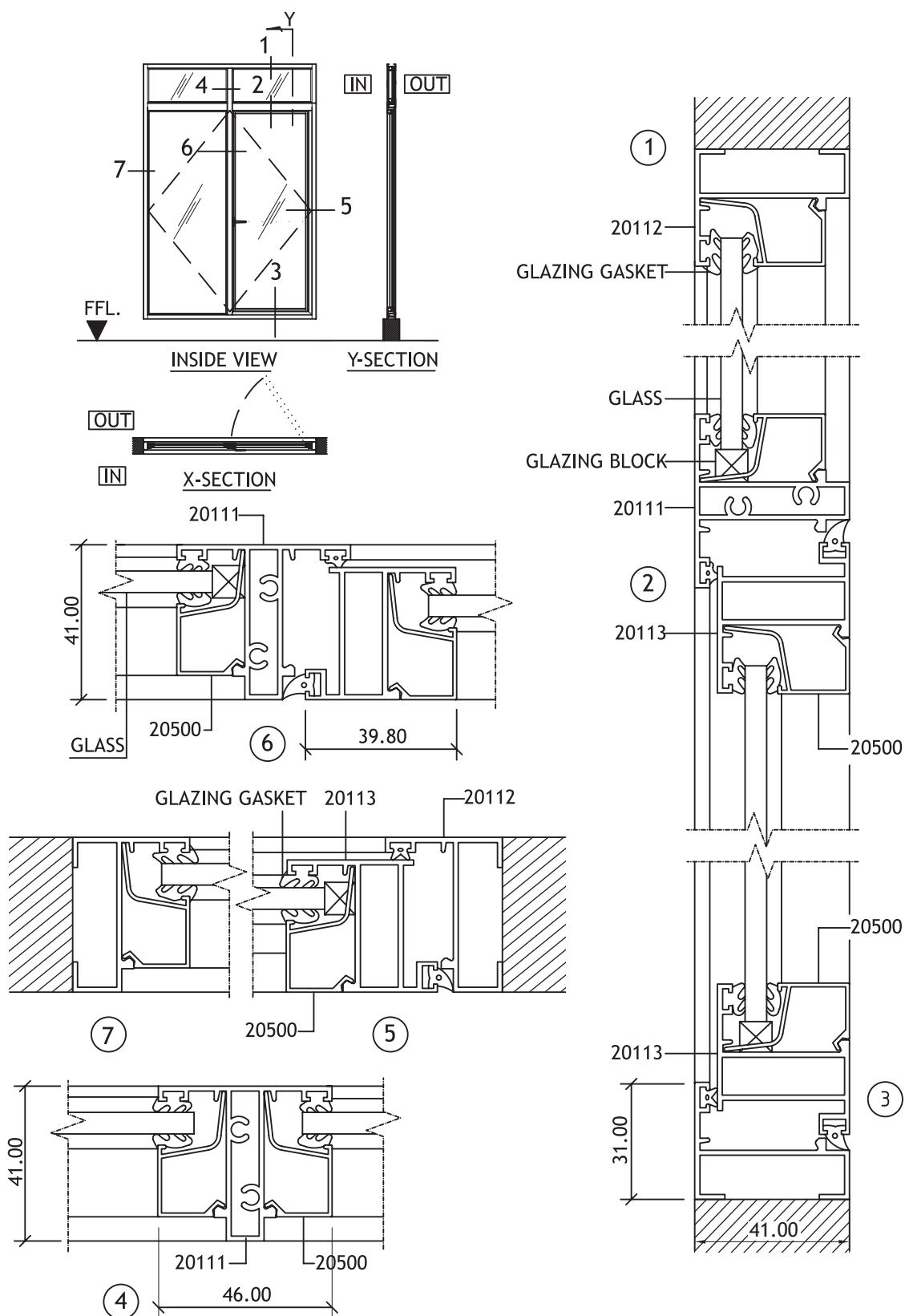
W = 0.588 kg/m
PER = 252.04 mm



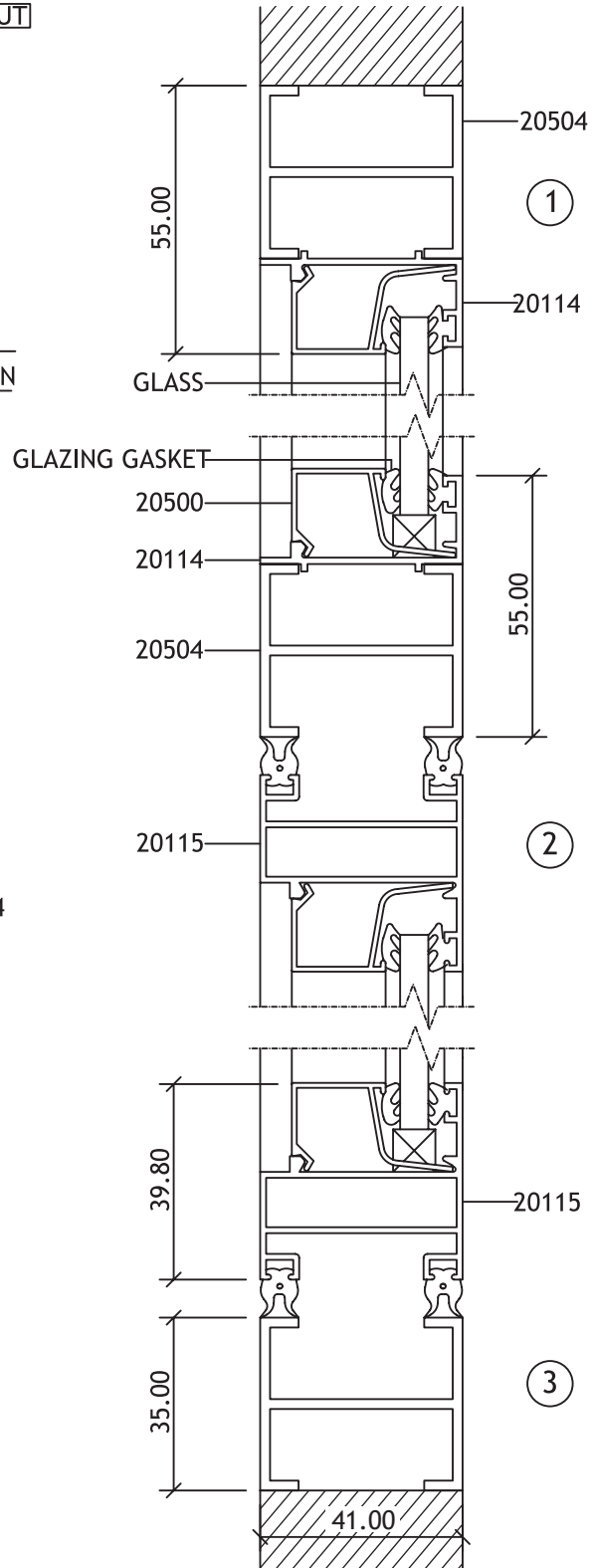
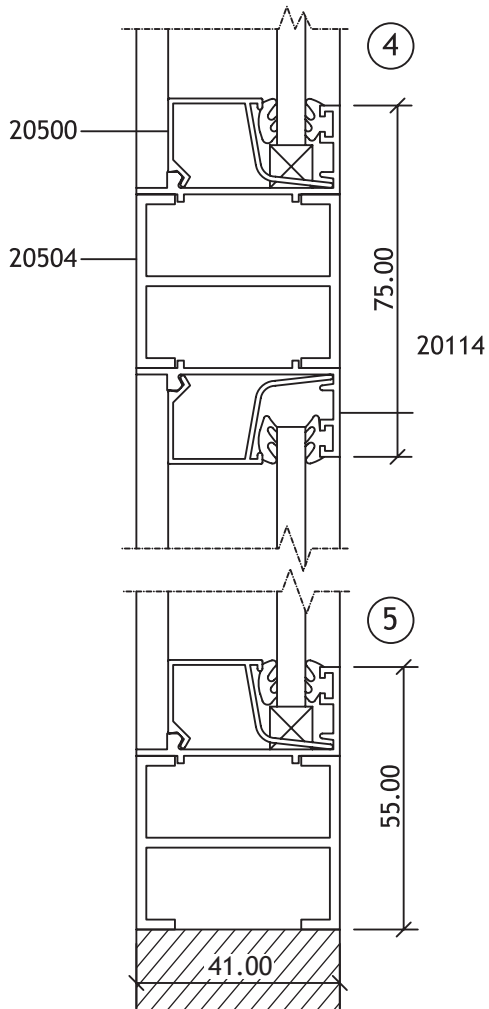
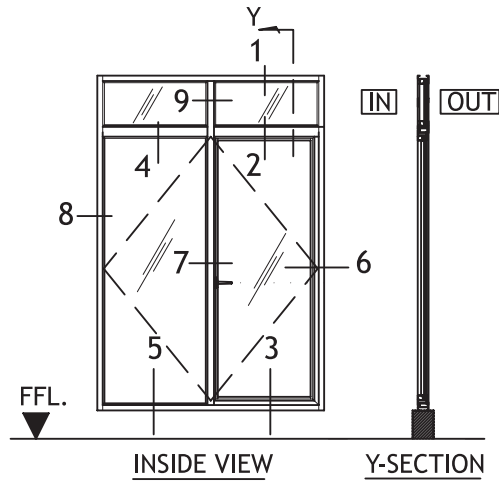
2016

W = 0.295 kg/m
PER = 146.61 mm

CASEMENT

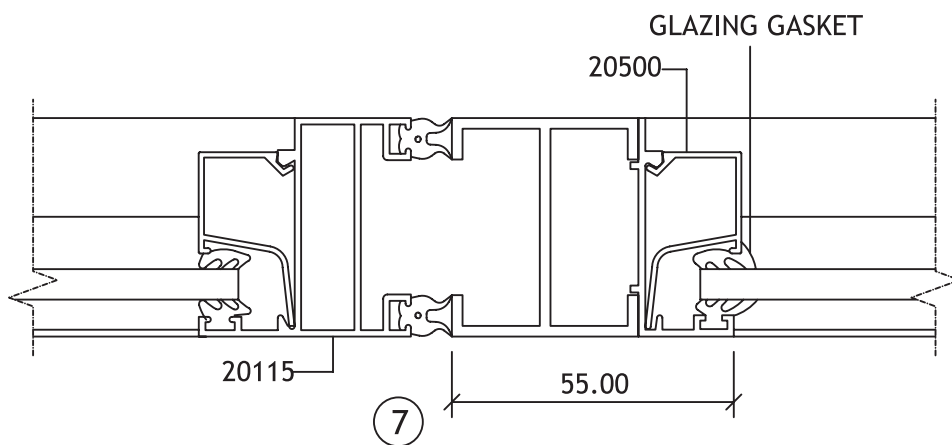
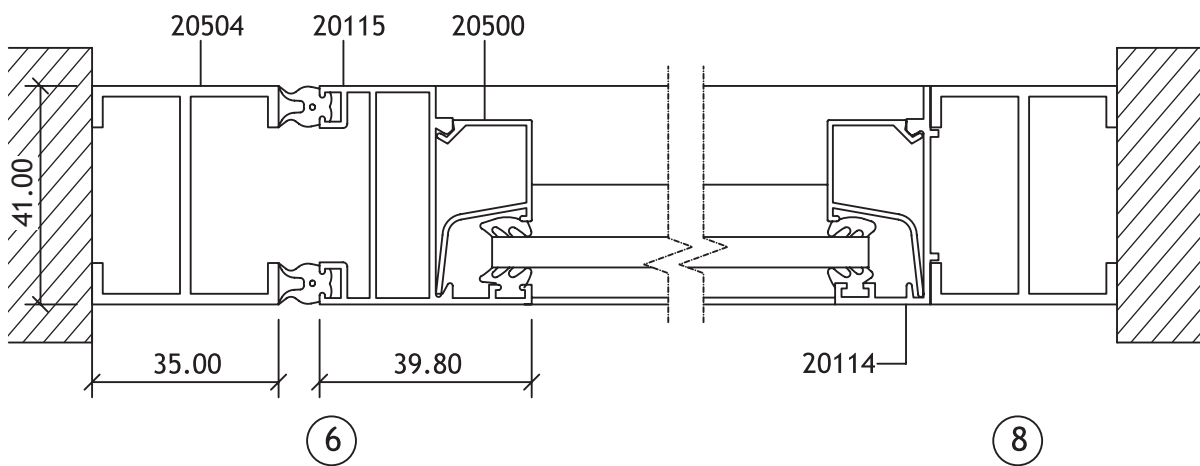
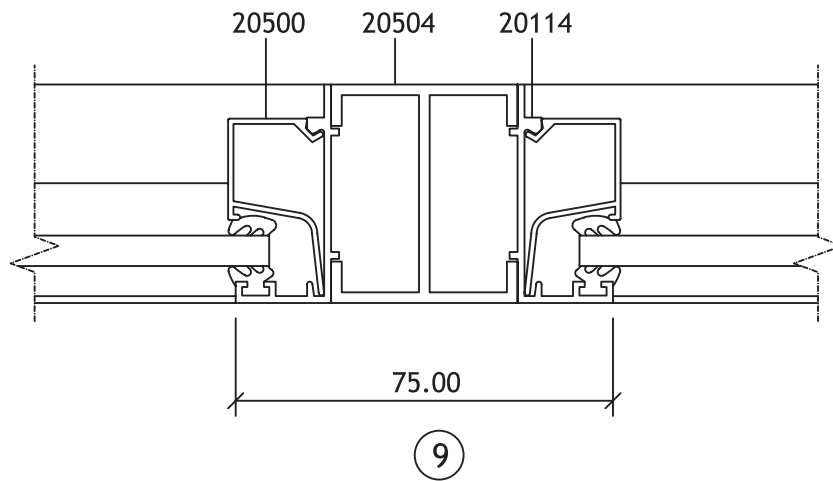


CASEMENT



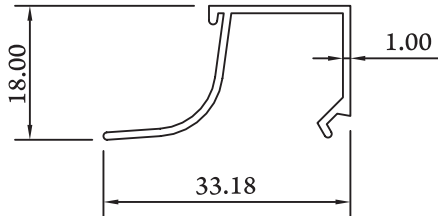
CASEMENT

WINDOW



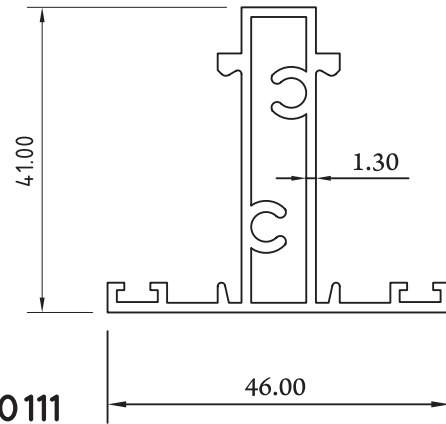
CASEMENT

WINDOW



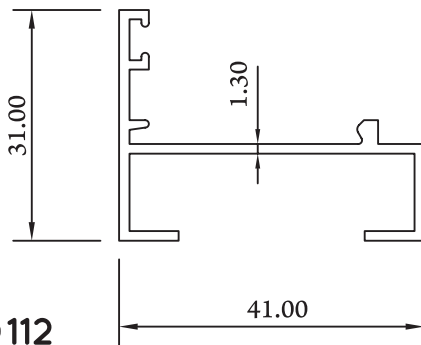
20110

W = 0.188 kg/m
PER = 135.35 mm



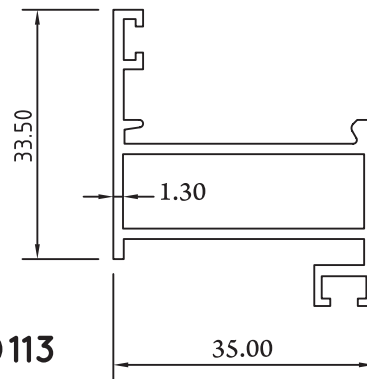
20111

W = 0.739 kg/m
PER = 228.15 mm



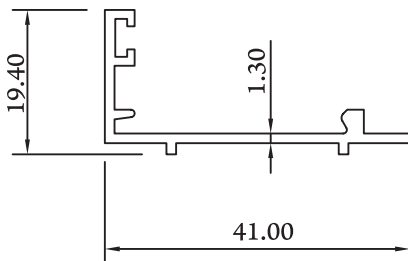
20112

W = 0.404 kg/m
PER = 218.40 mm



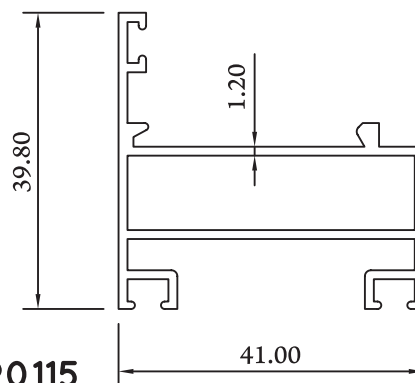
20113

W = 0.543 kg/m
PER = 206.29 mm



20114

W = 0.269 kg/m
PER = 149.69 mm

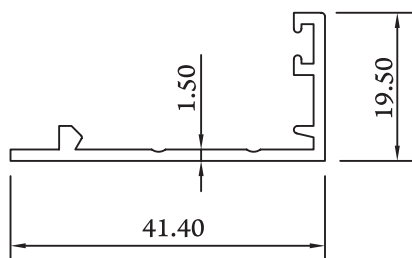


20115

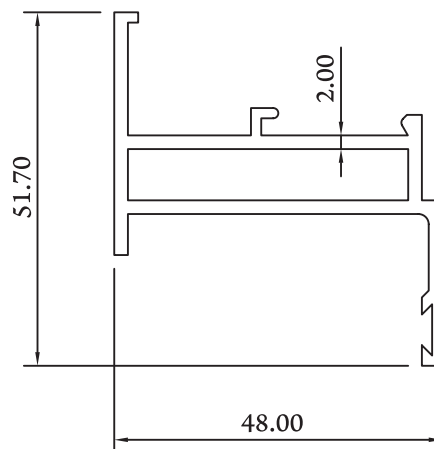
W = 0.588 kg/m
PER = 252.04 mm

CASEMENT

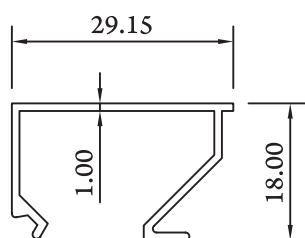
WINDOW

**20116**

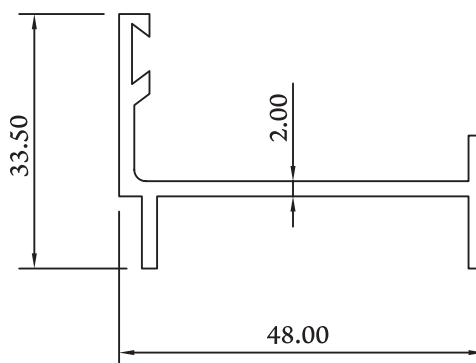
W = 0.295 kg/m
PER = 146.61 mm

**20117**

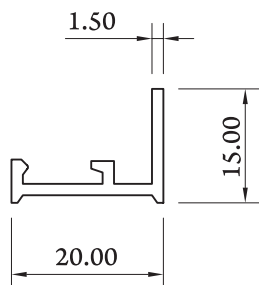
W = 0.894 kg/m
PER = 241.46 mm

**20118**

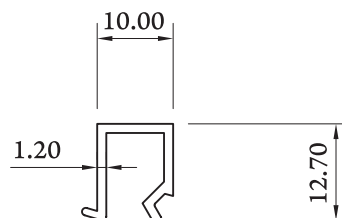
W = 0.208 kg/m
PER = 148.94 mm

**20119**

W = 0.538 kg/m
PER = 205.56 mm

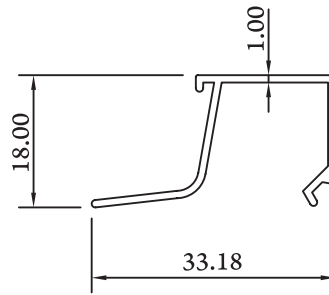
**20120**

W = 0.170 kg/m
PER = 86.36 mm

**20121**

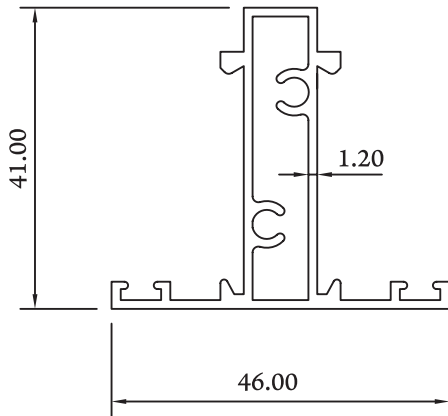
W = 0.119 kg/m
PER = 75.21 mm

CASEMENT



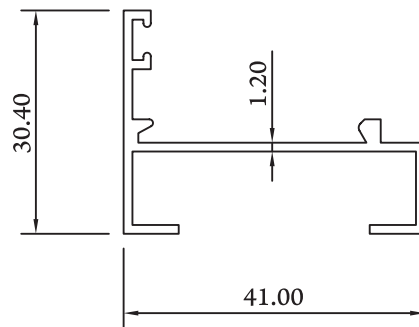
20500

W = 0.188 kg/m
PER = 137.39 mm



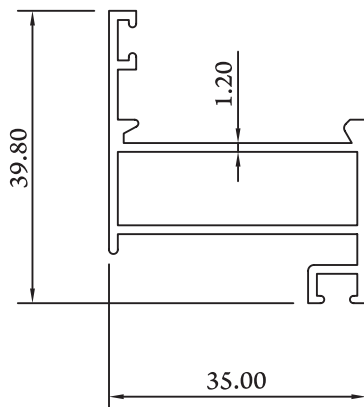
20501

W = 0.610 kg/m
PER = 220.13 mm



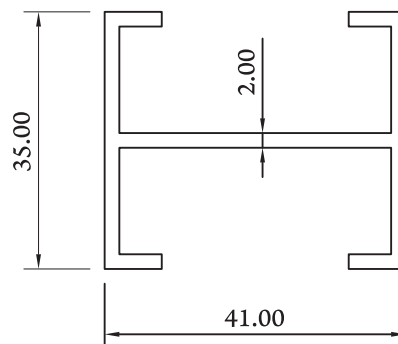
20502

W = 0.362 kg/m
PER = 213.47 mm



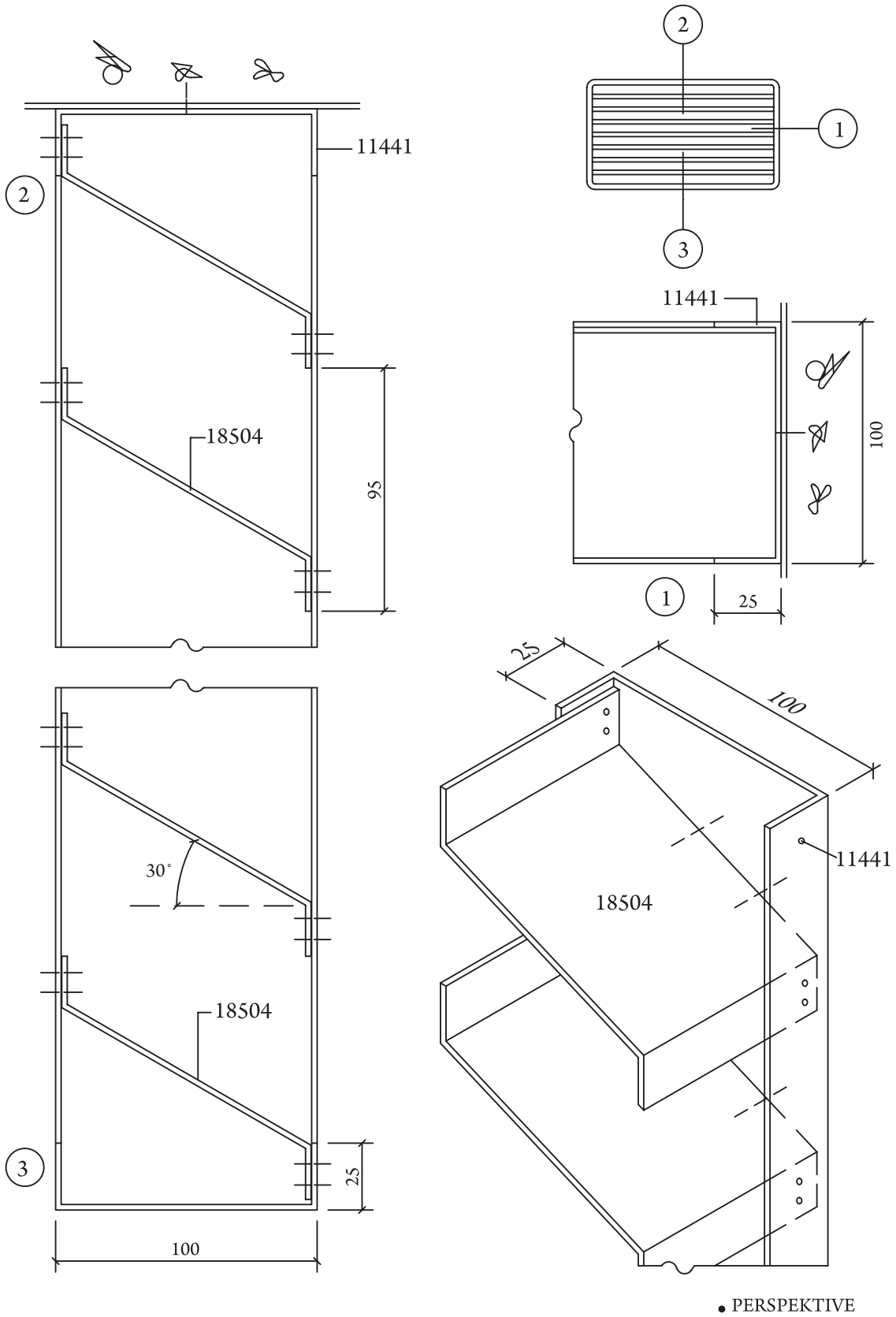
20503

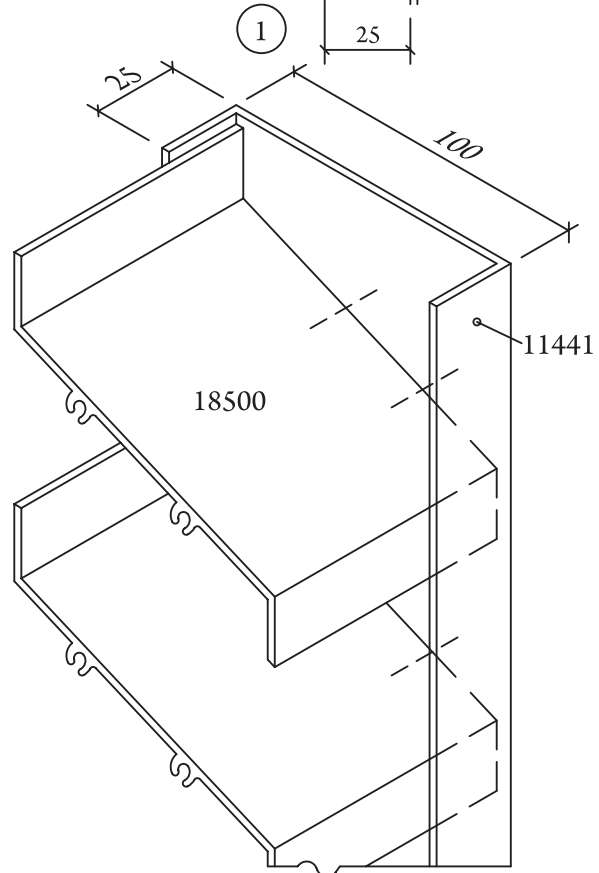
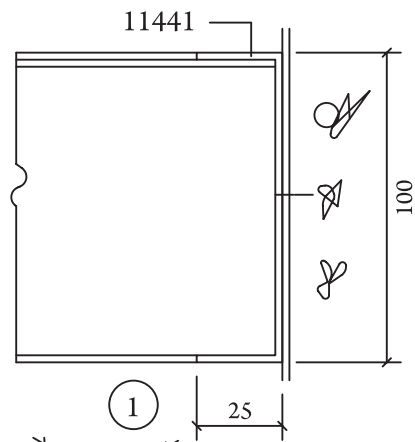
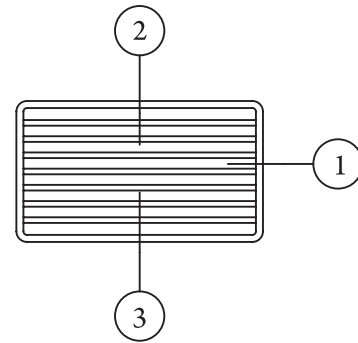
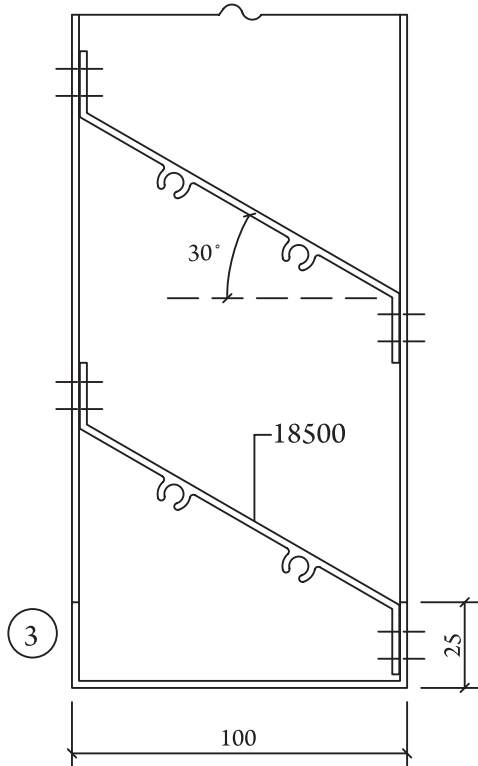
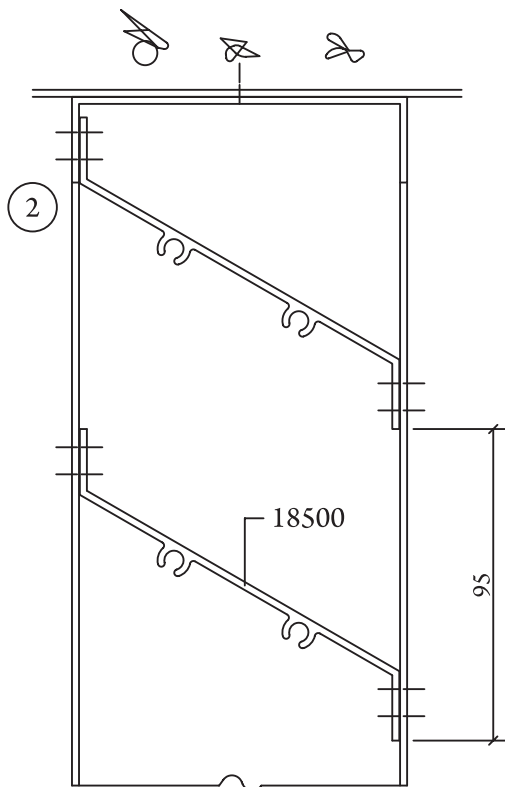
W = 0.486 kg/m
PER = 201.92 mm



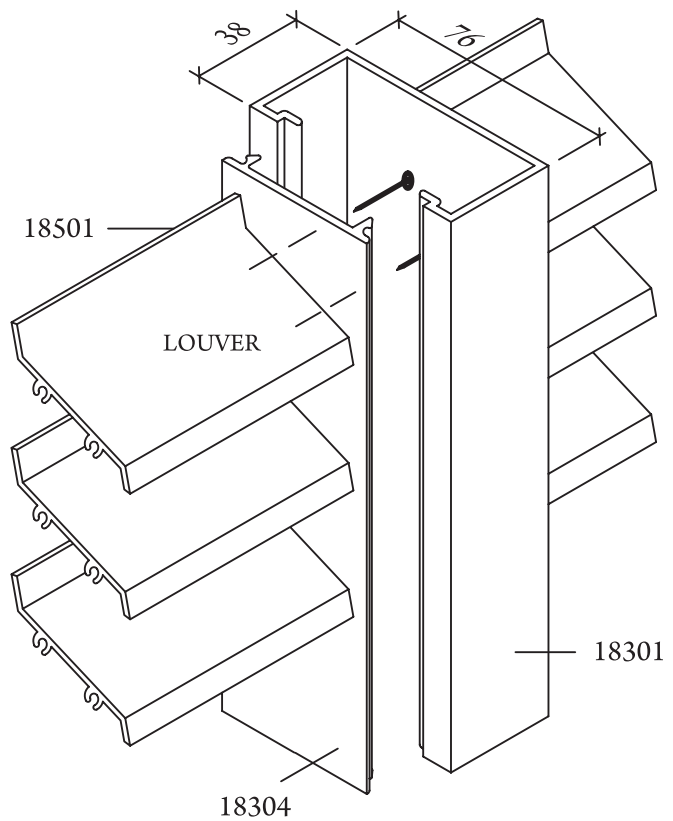
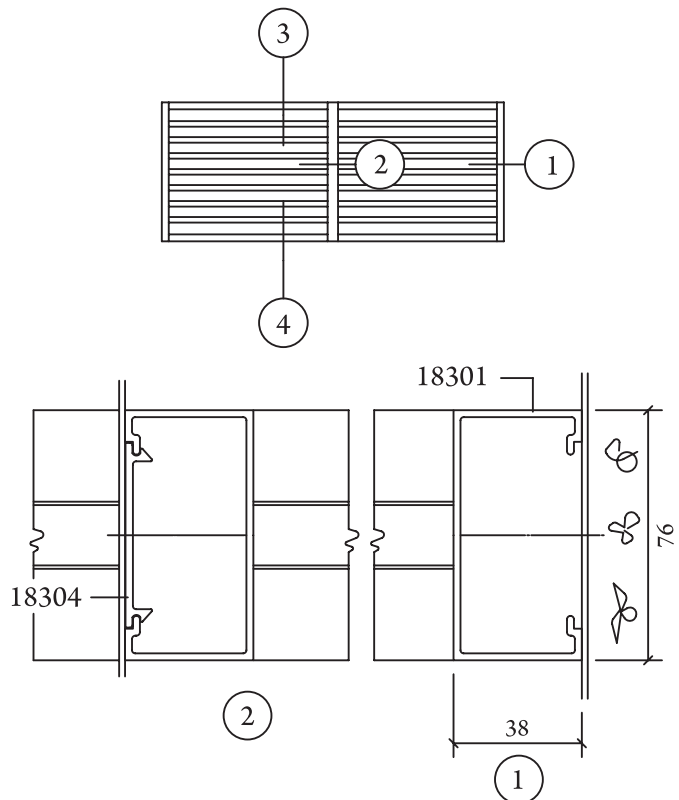
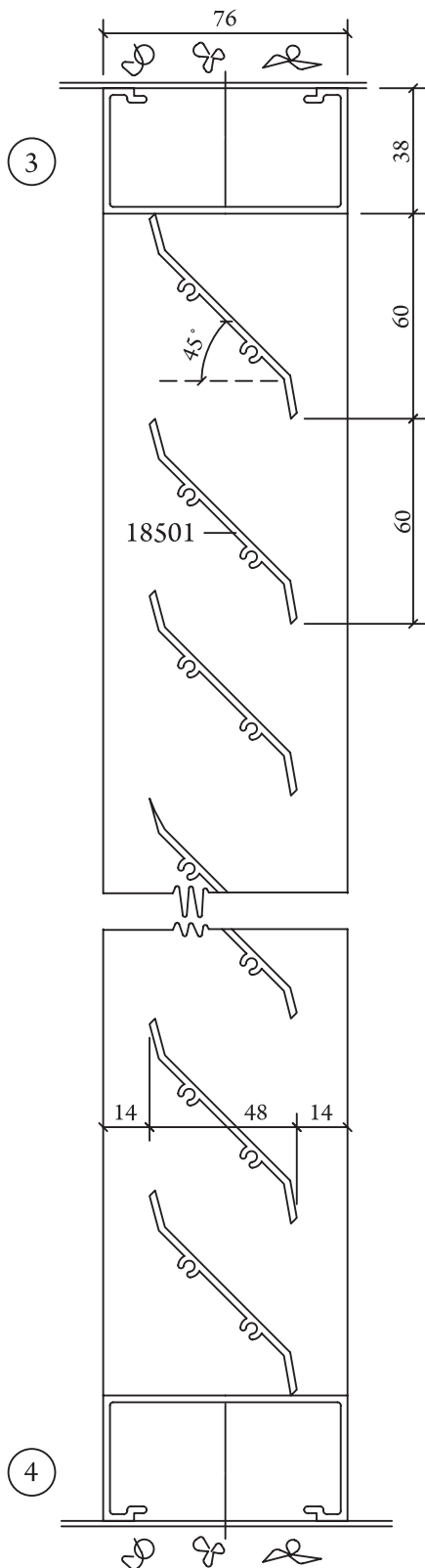
20504

W = 0.705 kg/m
PER = 264.20 mm

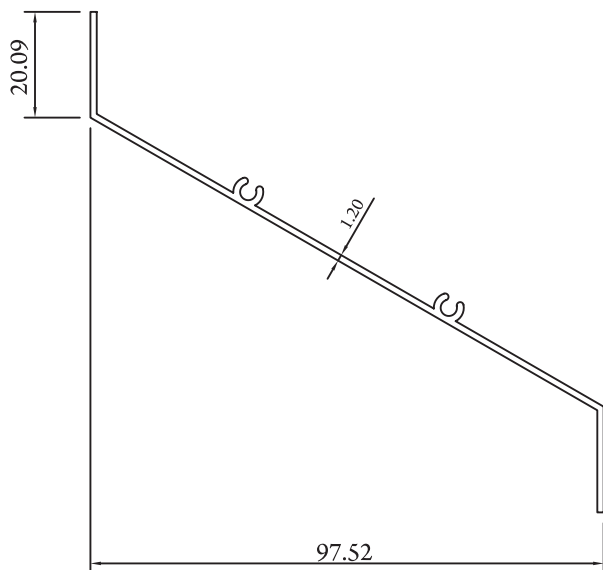




• PERSPEKTIVE

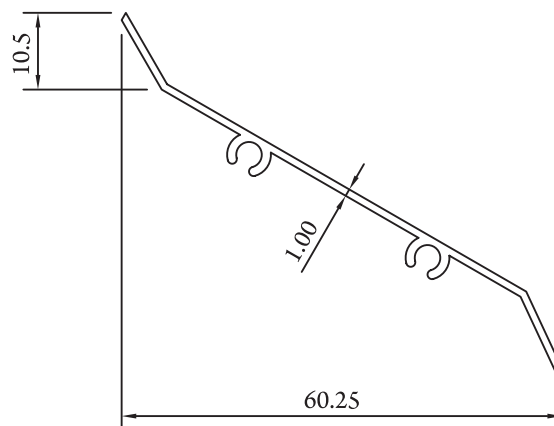


• PERSPEKTIVE



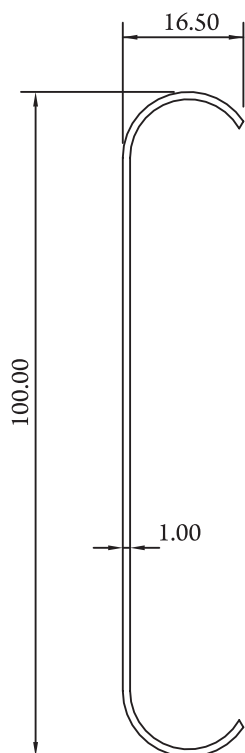
18500

W = 0.545 KG/M
PER = 331.42 MM



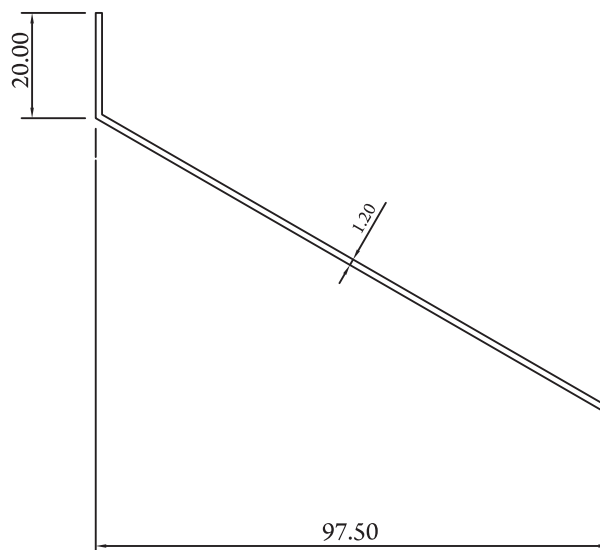
18501

W = 0.283 KG/M
PER = 193.03 MM



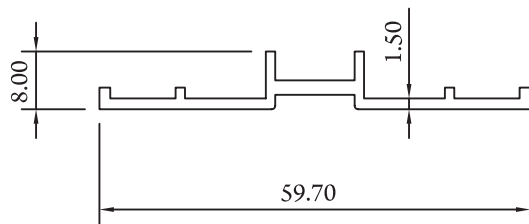
18503

W = 0.341 KG/M
PER = 254.15 MM



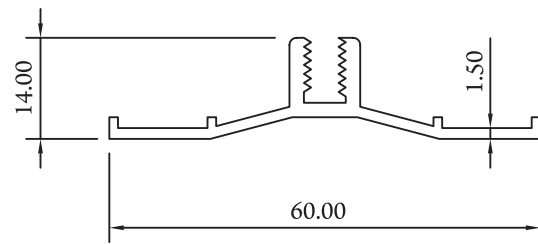
18504

W = 0.490 KG/M
PER = 303.45 MM



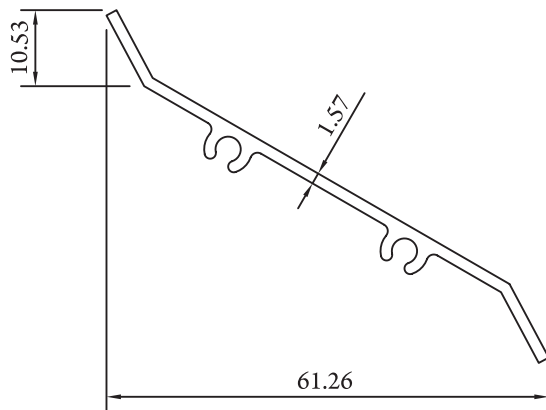
18507

W = 0.326 kg/m
PER = 158.97 mm



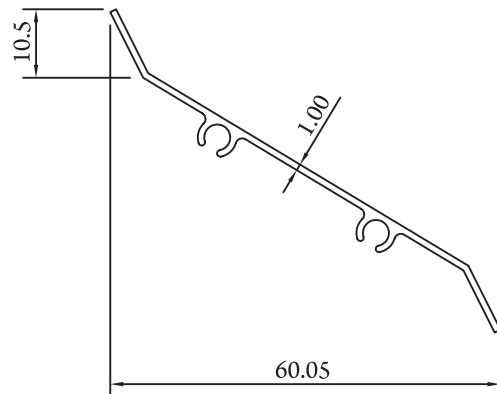
18508

W = 0.400 kg/m
PER = 186.46 mm



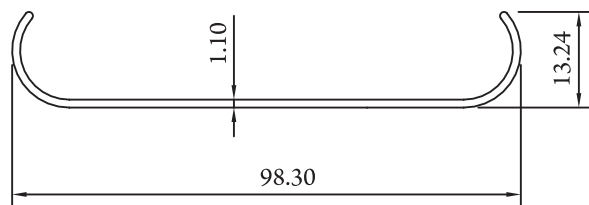
18514

W = 0.418 kg/m
PER = 189.65 mm



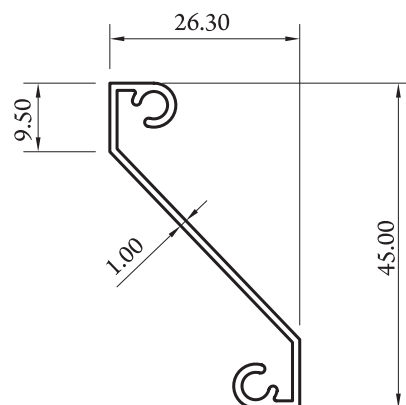
18518

W = 0.274 kg/m
PER = 191.51 mm



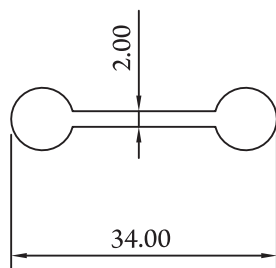
18521

W = 0.349 kg/m
PER = 235.53 mm



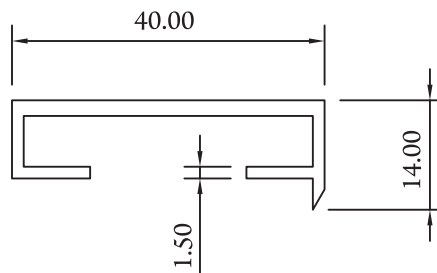
18540

W = 0.248 kg/m
PER = 174.48 mm



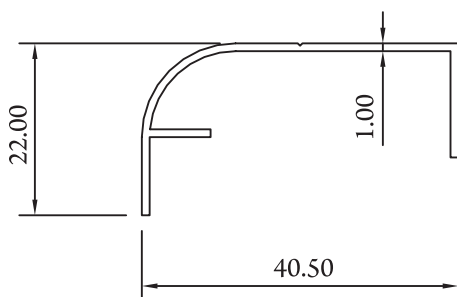
25300

W = 0.371 KG/M
PER = 82.82 MM



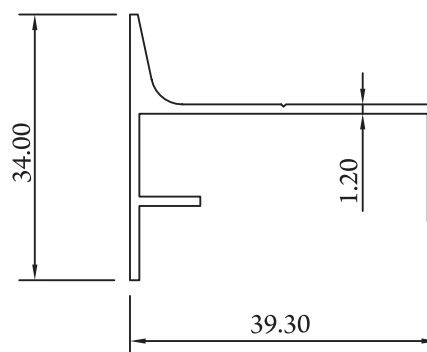
25301

W = 0.367 KG/M
PER = 157.00 MM



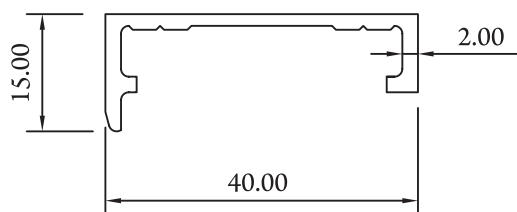
25302

W = 0.220 KG/M
PER = 159.15 MM



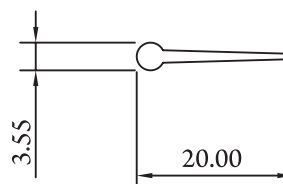
25303

W = 0.342 KG/M
PER = 181.91 MM



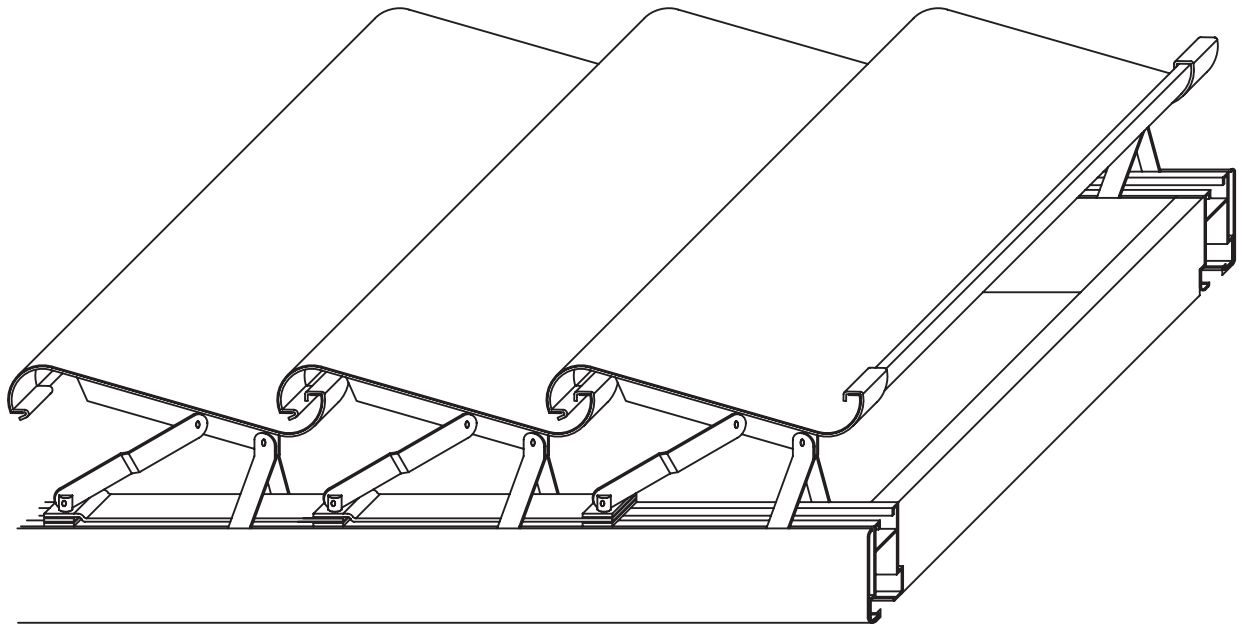
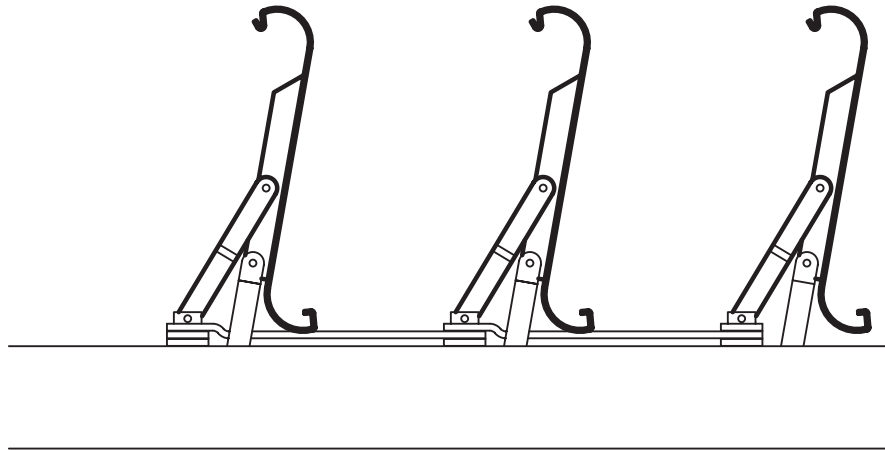
25304

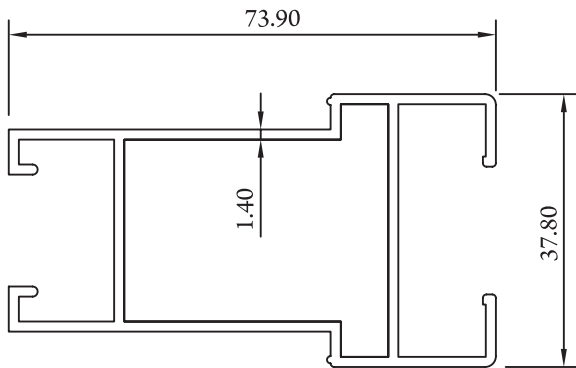
W = 0.325 KG/M
PER = 129.17 MM



25305

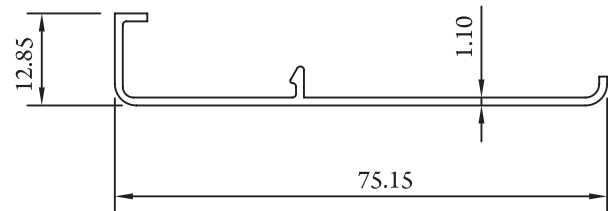
W = 0.080 KG/M
PER = 43.41 MM





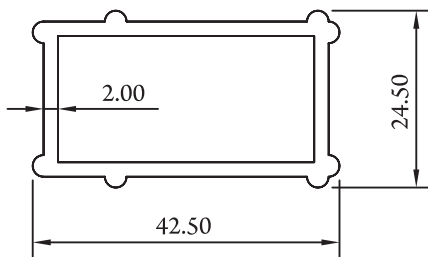
18527

W = 0.945 KG/M
PER = 341.67 MM



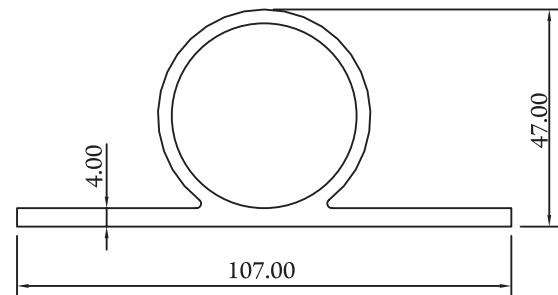
18528A

W = 0.283 KG/M
PER = 190.92 MM



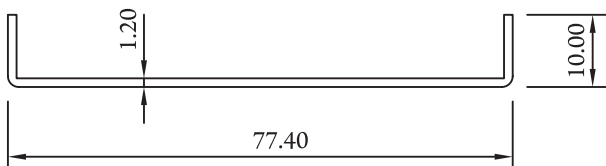
18529

W = 0.695 KG/M
PER = 135.70 MM



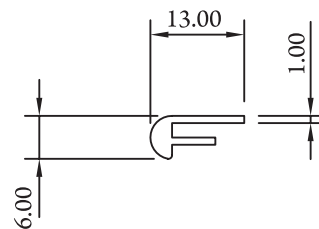
18530

W = 2.144 KG/M
PER = 311.92 MM



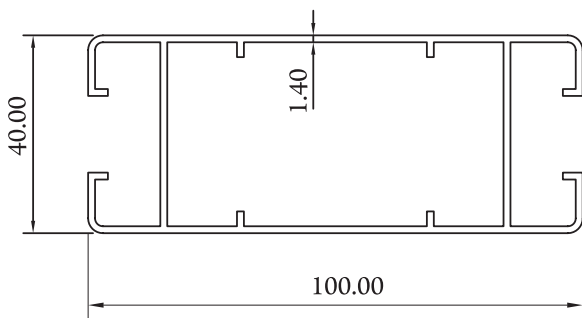
18535

W = 0.306 KG/M
PER = 191.11 MM

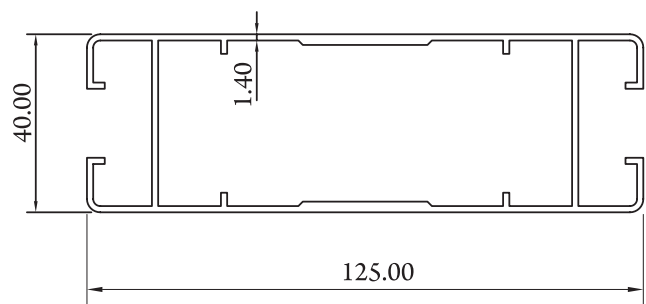


18536

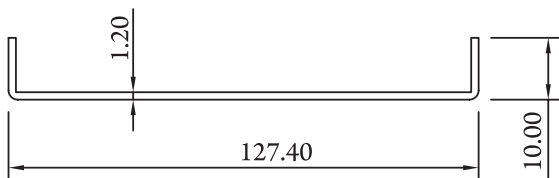
W = 0.082 KG/M
PER = 47.16 MM

**18531**

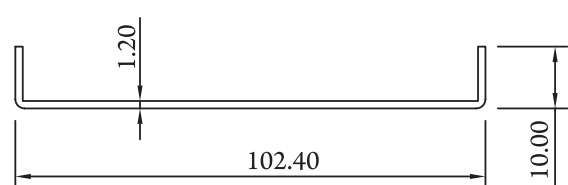
W = 1.276 KG/M
PER = 438.10 MM

**18532**

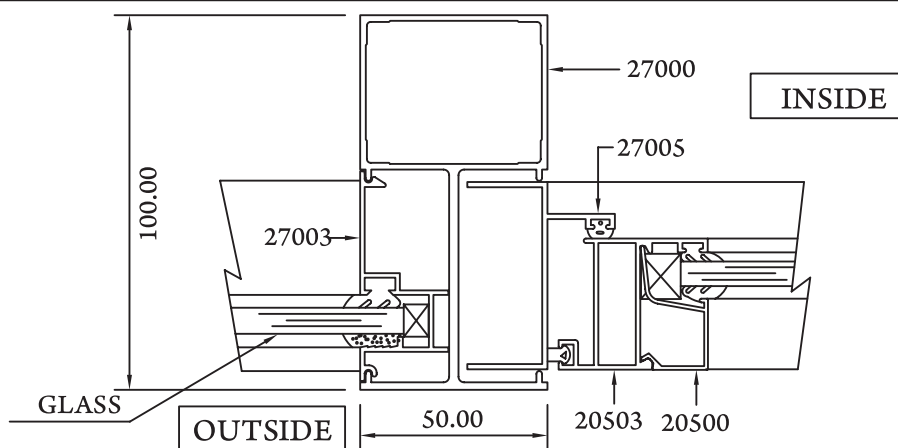
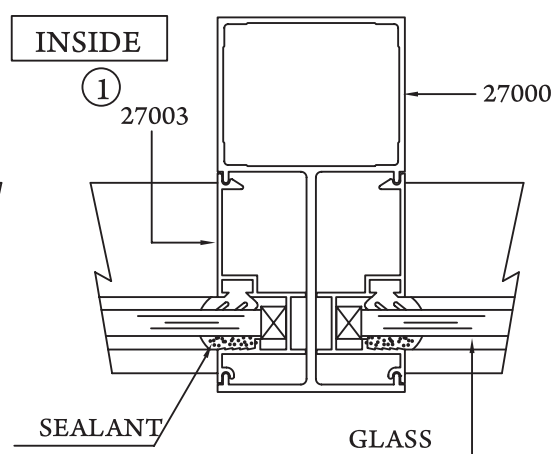
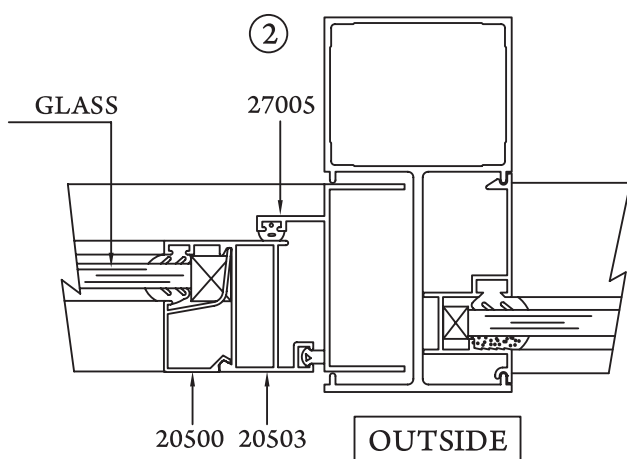
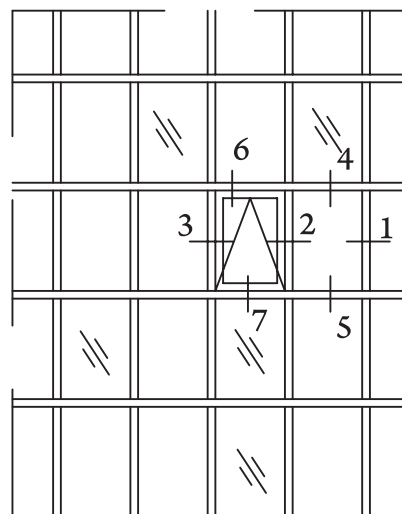
W = 1.623 KG/M
PER = 488.10 MM

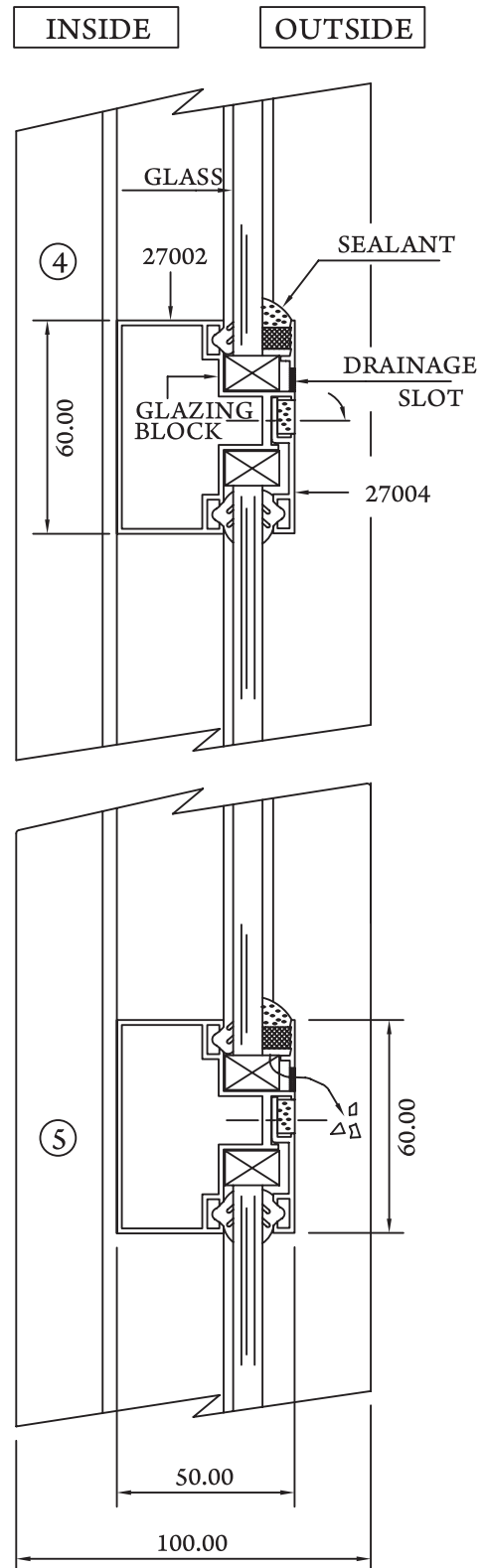
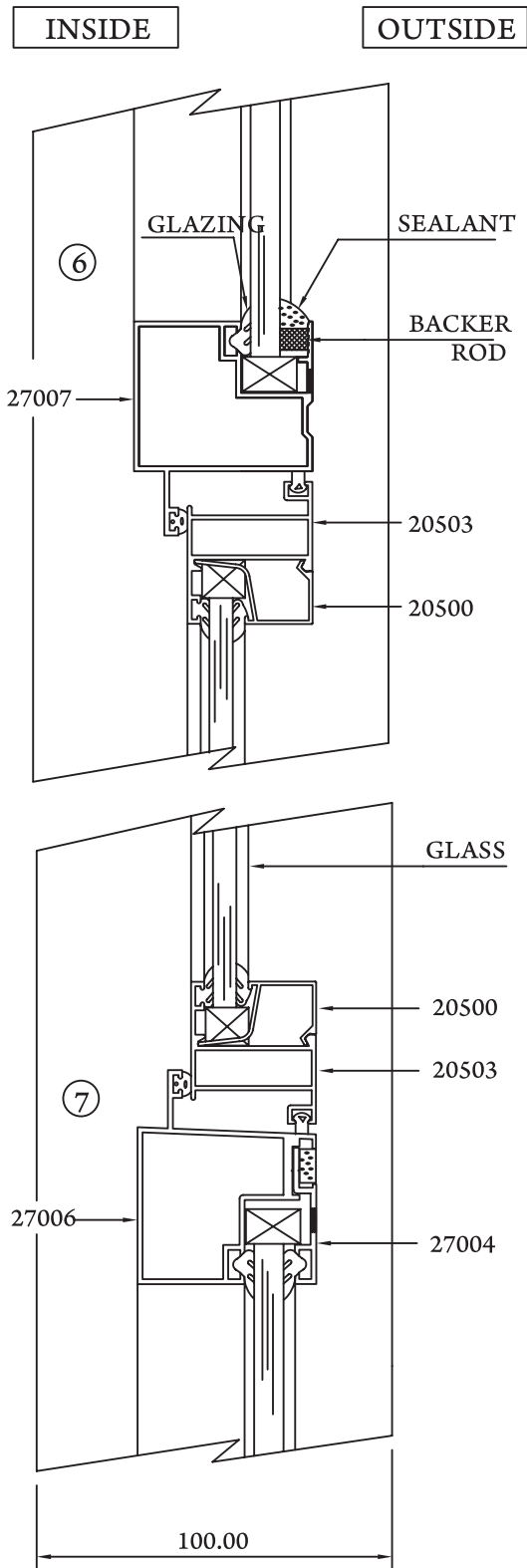
**18533**

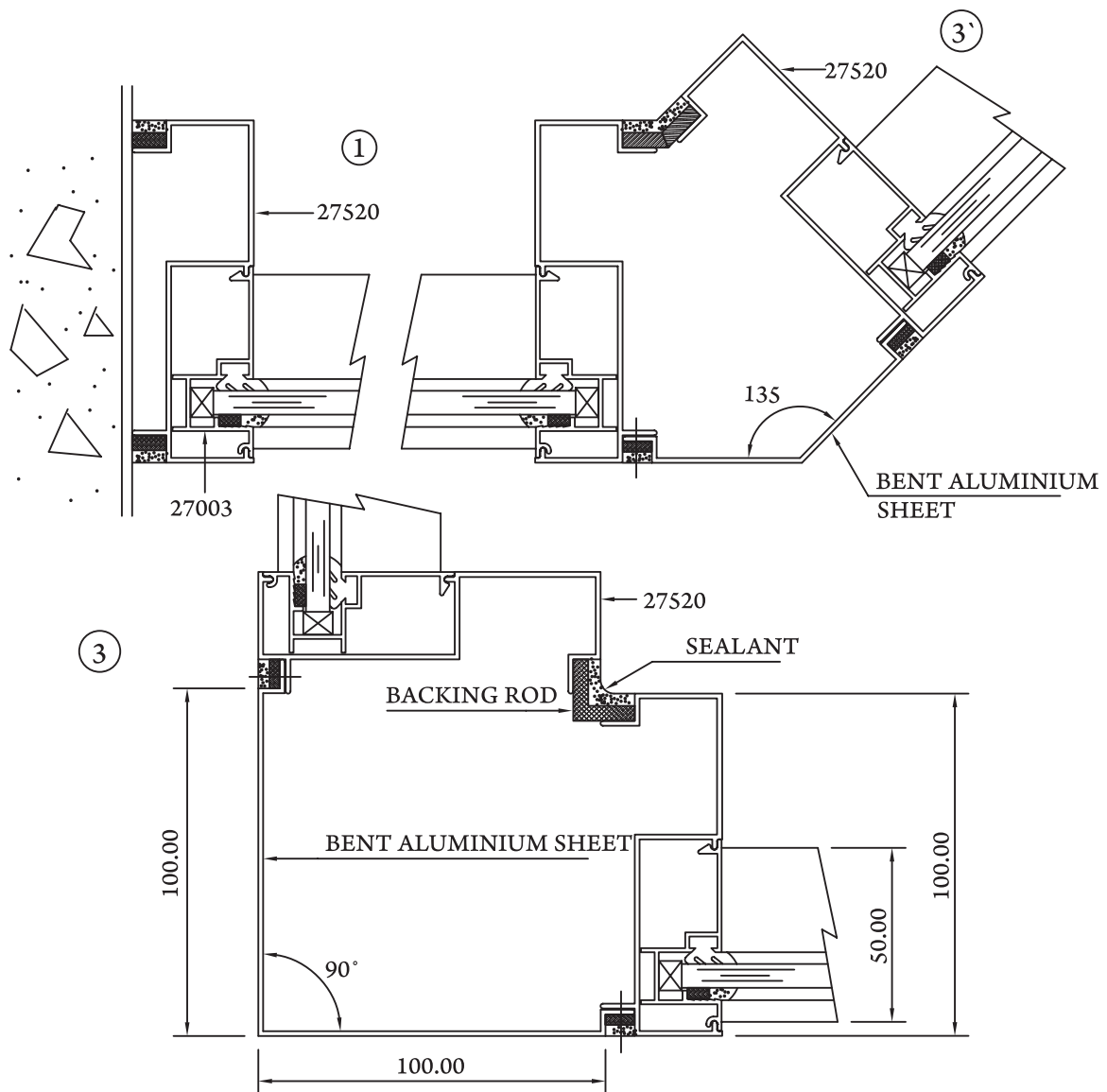
W = 0.469 KG/M
PER = 291.11 MM

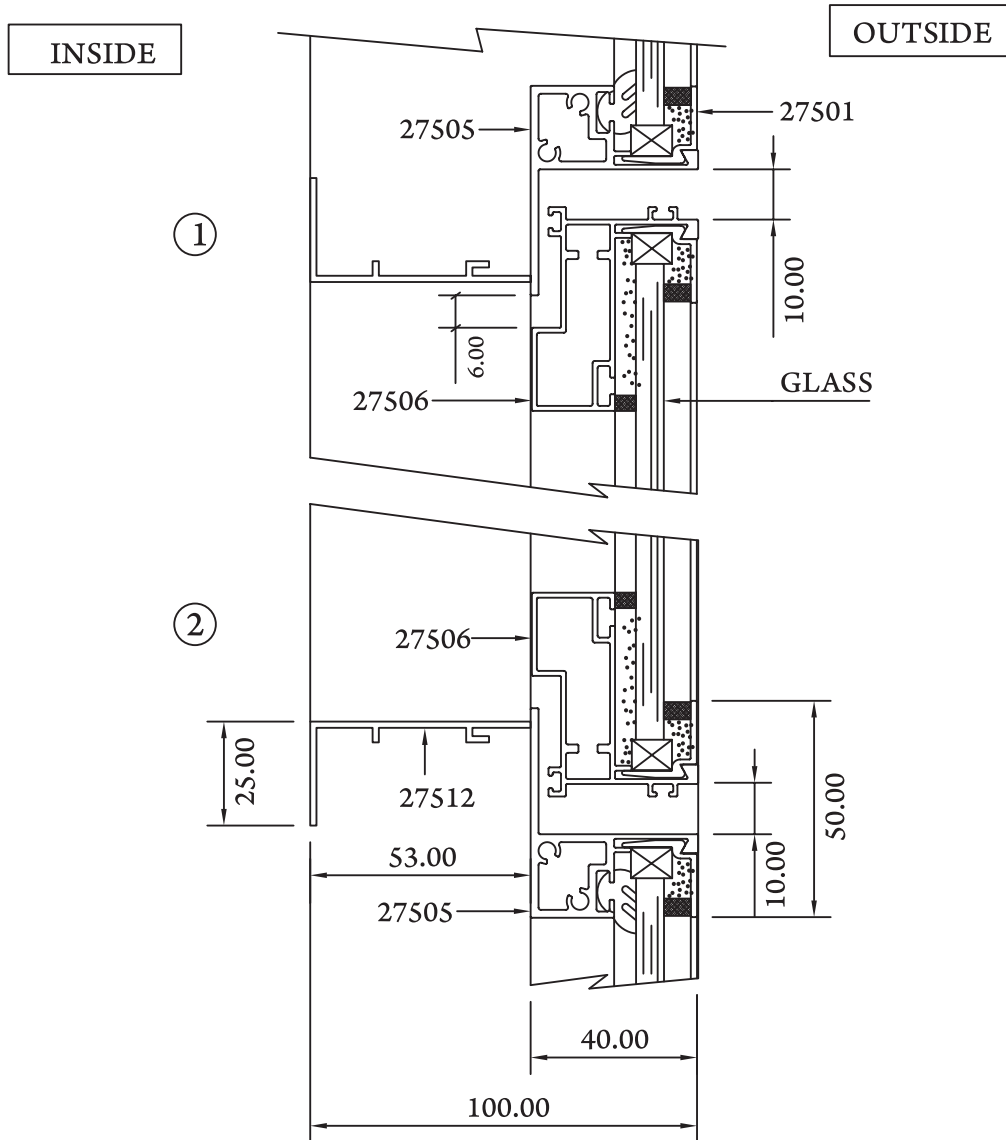
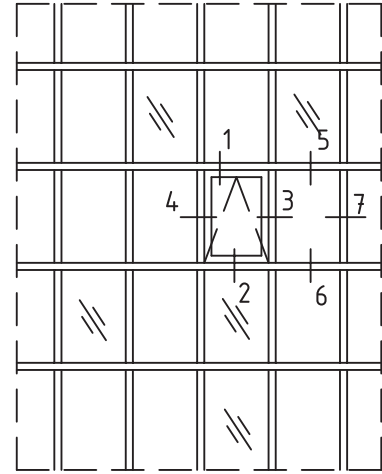
**18534**

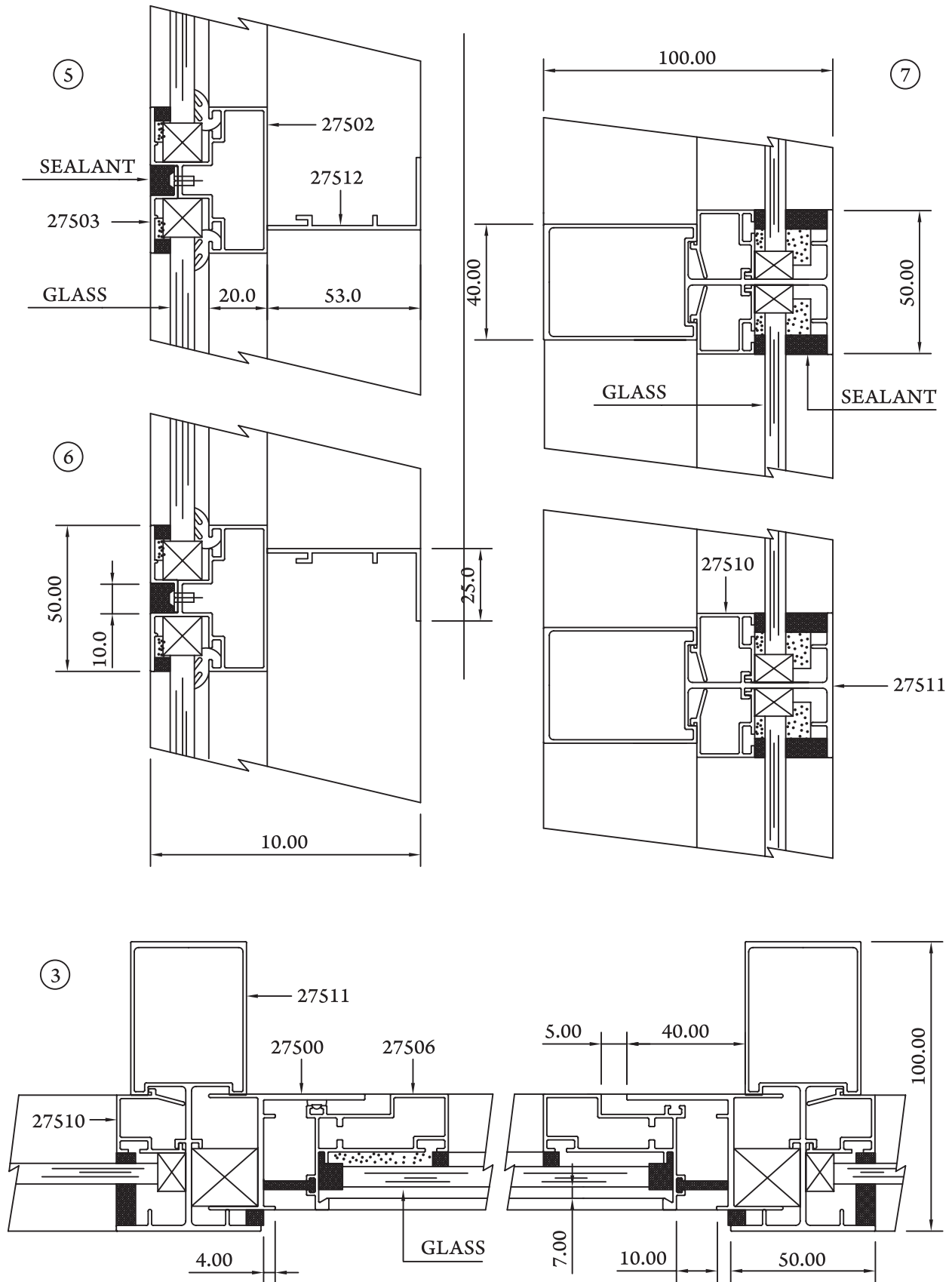
W = 0.388 KG/M
PER = 241.11 MM

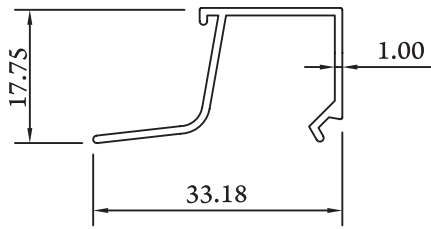






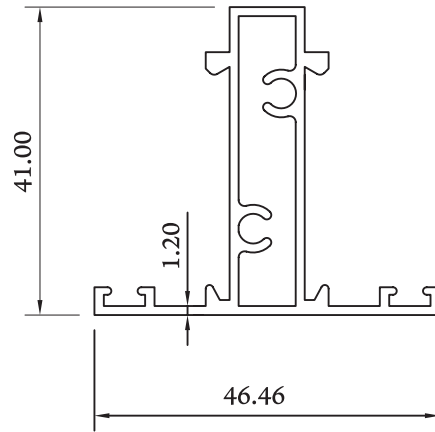






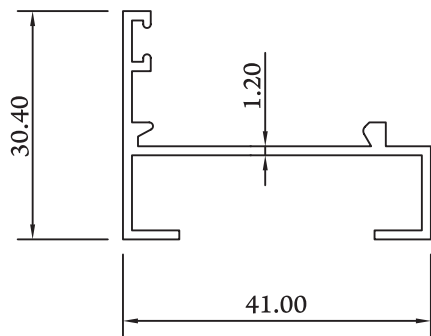
20500

W = 0.188 kg/m
PER = 137.39 mm



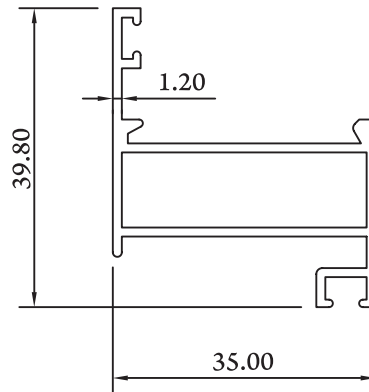
20501

W = 0.610 kg/m
PER = 220.13 mm



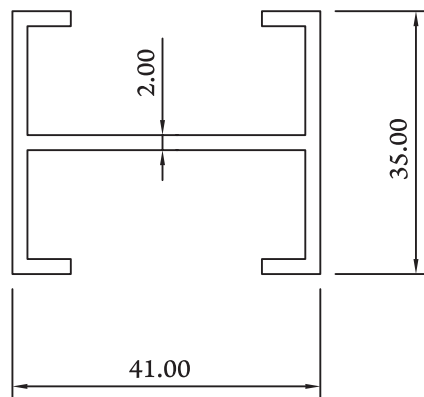
20502

W = 0.362 kg/m
PER = 213.47 mm



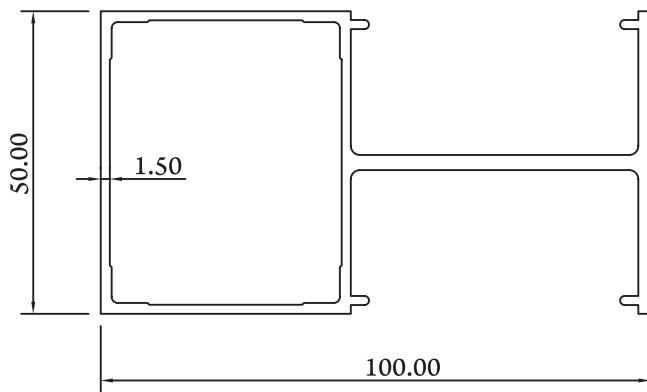
20503

W = 0.486 kg/m
PER = 201.92 mm



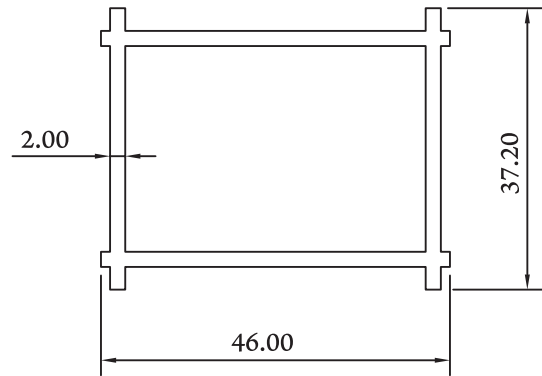
20504

W = 0.705 kg/m
PER = 264.20 mm



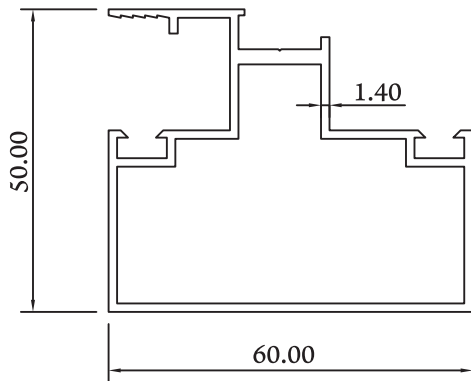
27000

W = 1.467 kg/m
PER = 413.85 mm



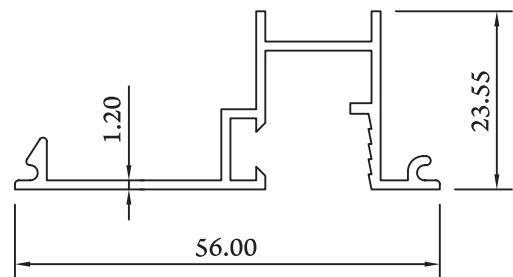
27001

W = 0.859 kg/m
PER = 183.20 mm



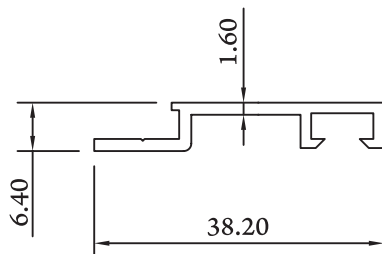
27002

W = 0.971 kg/m
PER = 302.12 mm



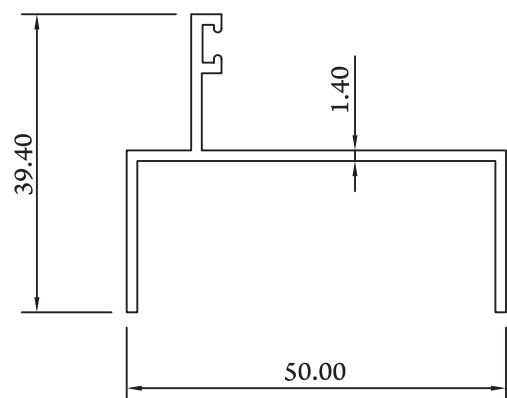
27003

W = 0.407 kg/m
PER = 244.73 mm



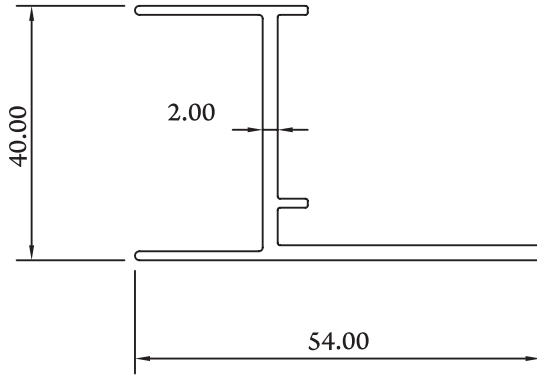
27004

W = 0.226 kg/m
PER = 114.77 mm



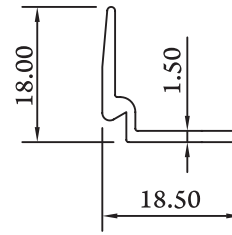
27005

W = 0.436 kg/m
PER = 232.14 mm



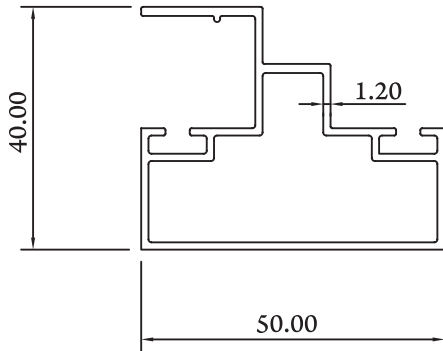
27500

W = 0.542 kg/m
PER = 235.25 mm



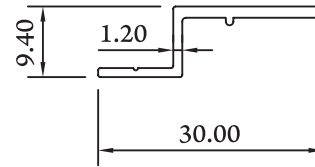
27501

W = 0.145 kg/m
PER = 71.40 mm



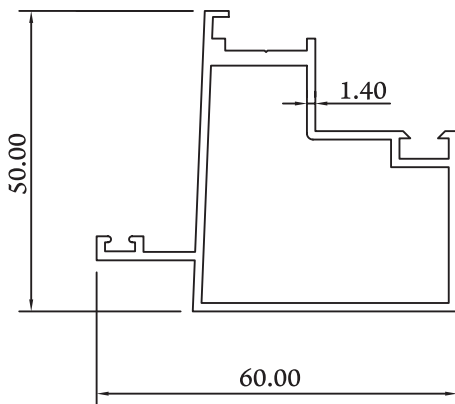
27502

W = 0.691 kg/m
PER = 253.86 mm



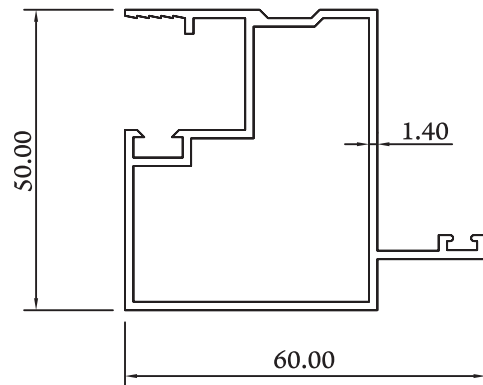
27503

W = 0.141 kg/m
PER = 79.60 mm



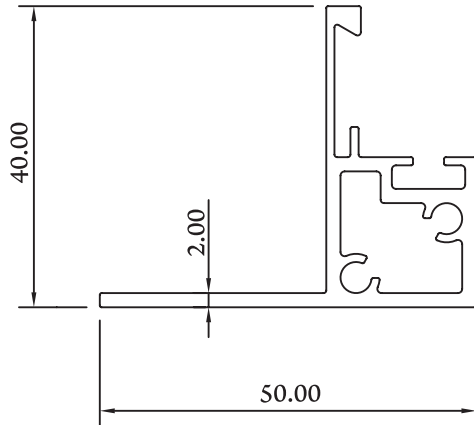
27006

W = 0.848 kg/m
PER = 256.74 mm



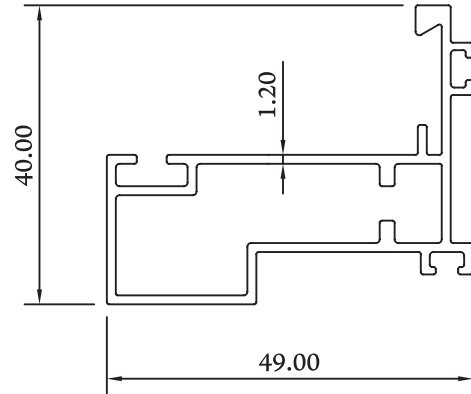
27007

W = 0.885 kg/m
PER = 296.09 mm



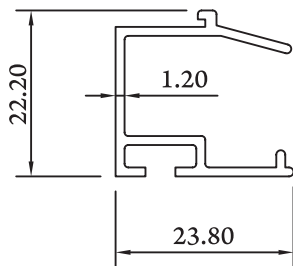
27505

W = 0.744 kg/m
PER = 213.15 mm



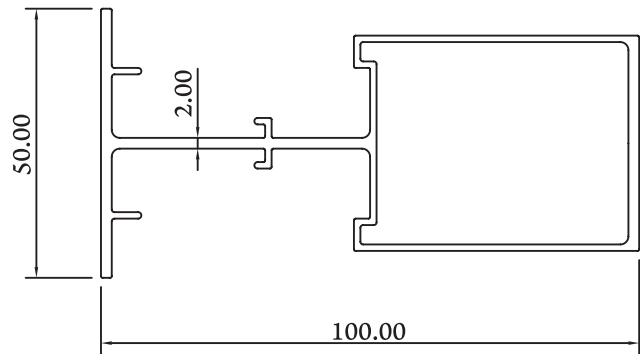
27506

W = 0.644 kg/m
PER = 238.91 mm



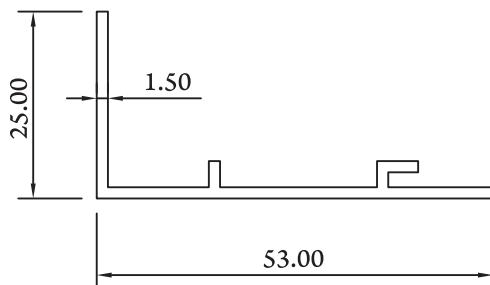
27510

W = 0.263 kg/m
PER = 159.55 mm



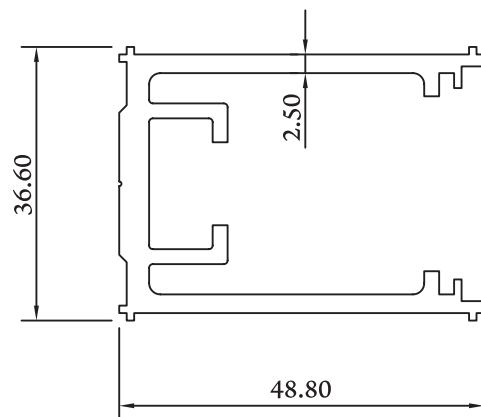
27511

W = 1.386 kg/m
PER = 446.30 mm



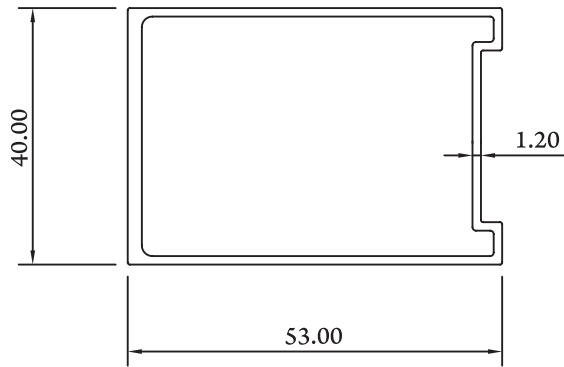
27512

W = 0.357 kg/m
PER = 178.00 mm



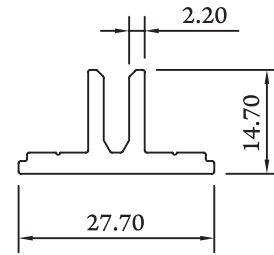
27513

W = 1.143 kg/m
PER = 338.48 mm



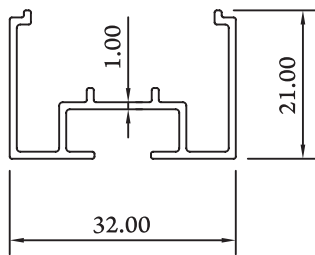
27514

W = 0.693 kg/m
PER = 190.97 mm



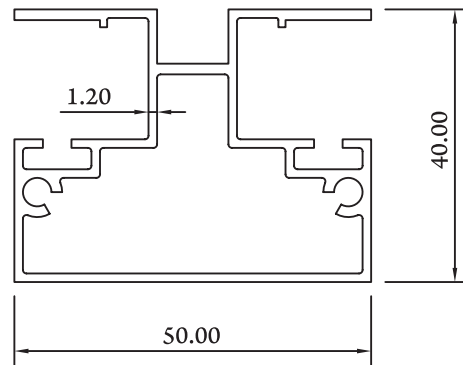
27515

W = 0.358 kg/m
PER = 104.590 mm



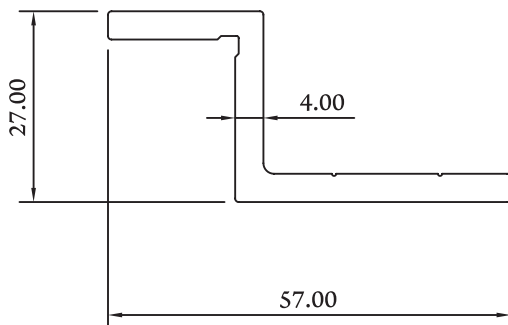
27516

W = 0.277 kg/m
PER = 200.33 mm



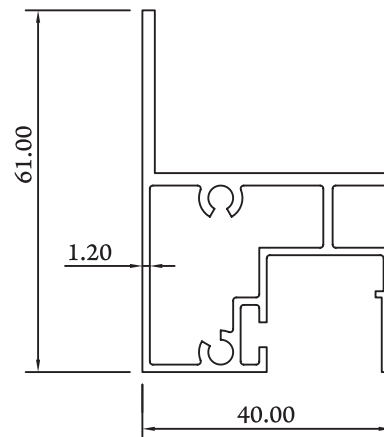
27517

W = 0.848 kg/m
PER = 315.57 mm



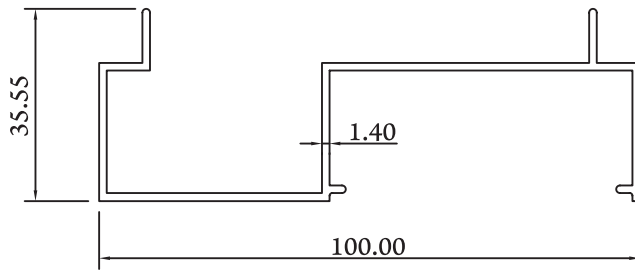
27518

W = 0.860 kg/m
PER = 168.04 mm



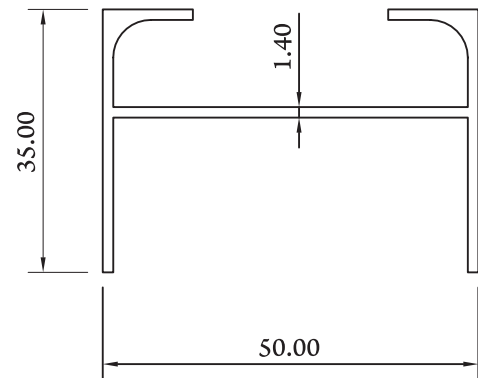
27519

W = 0.877 kg/m
PER = 276.74 mm



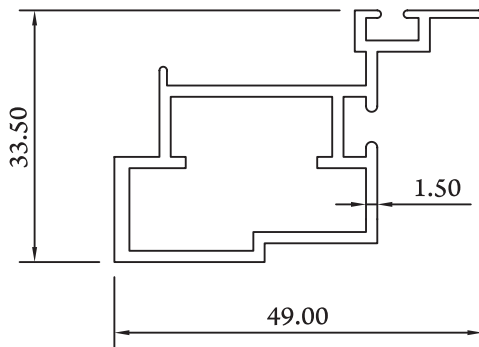
27520

W = 0.792 kg/m
PER = 412.67 mm



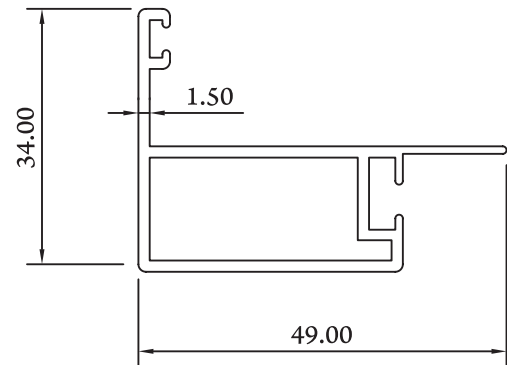
27521

W = 0.554 kg/m
PER = 275.31 mm



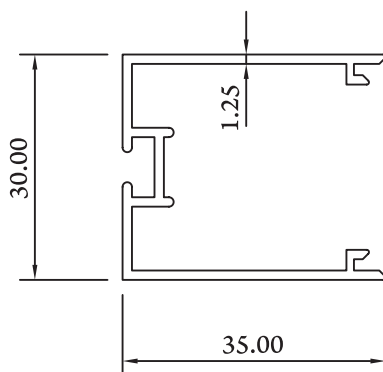
27522

W = 0.643 kg/m
PER = 203.00 mm



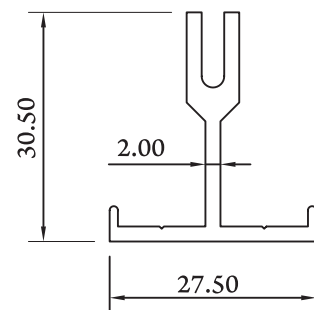
27523

W = 0.566 kg/m
PER = 199.31 mm



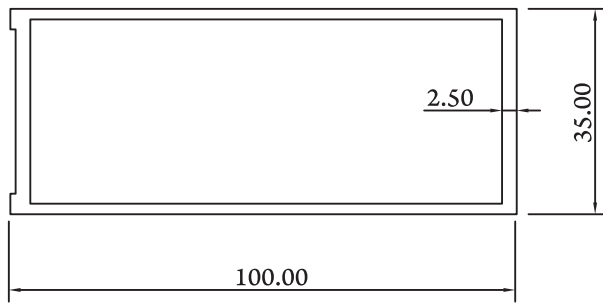
27524

W = 0.404 kg/m
PER = 242.05 mm



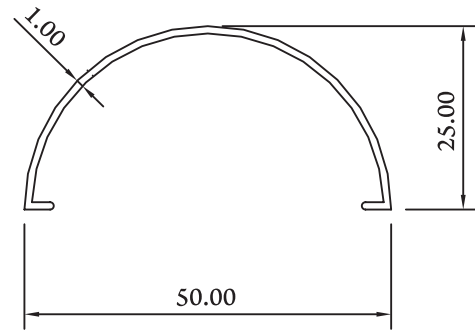
27526

W = 0.420 kg/m
PER = 152.14 mm



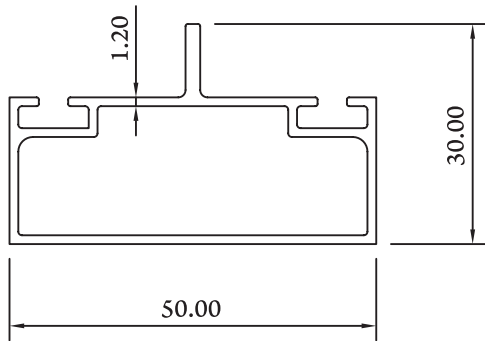
27525

W = 1.410 kg/m
PER = 271.80 mm



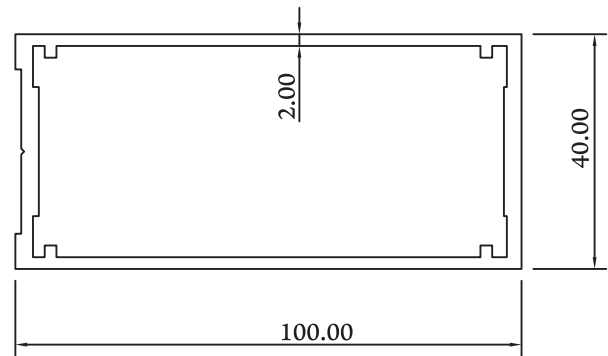
27527

W = 0.224 kg/m
PER = 167.04 mm



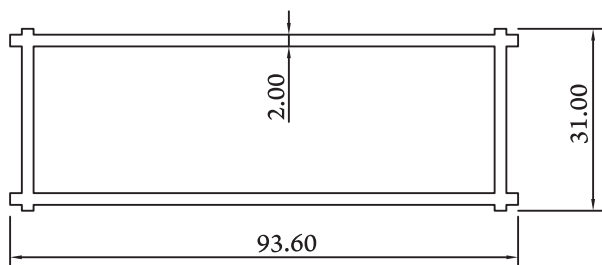
27528

W = 0.564 kg/m
PER = 195.55 mm



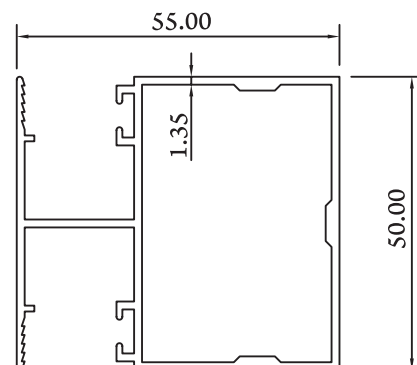
27529

W = 1.677 kg/m
PER = 282.41 mm



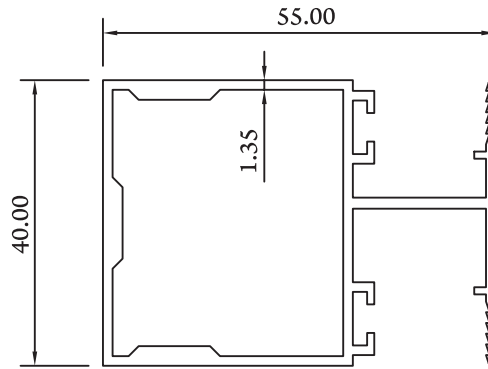
27530

W = 1.307 kg/m
PER = 261.20 mm



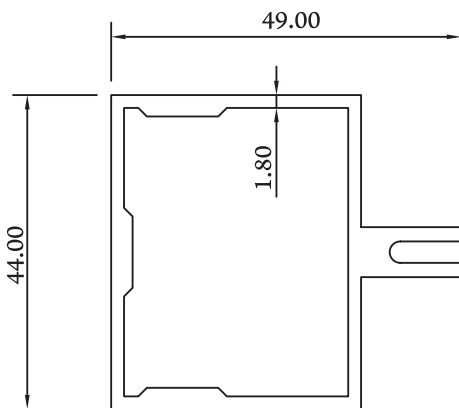
27531

W = 0.968 kg/m
PER = 354.55 mm



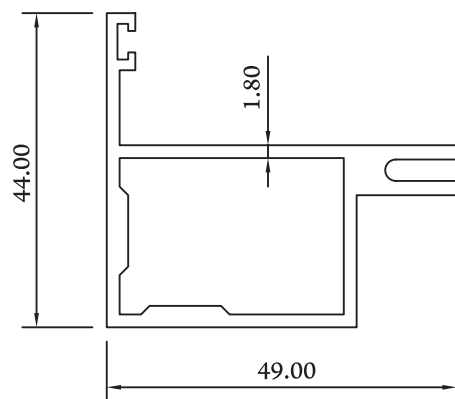
27532

W = 0.943 kg/m
PER = 315.87 mm



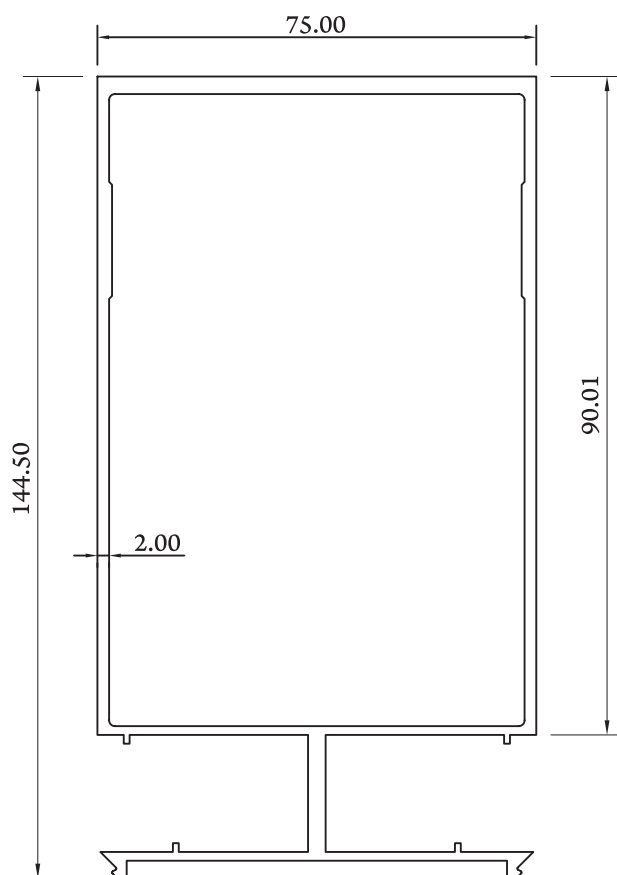
27533

W = 1.032 kg/m
PER = 204.71 mm



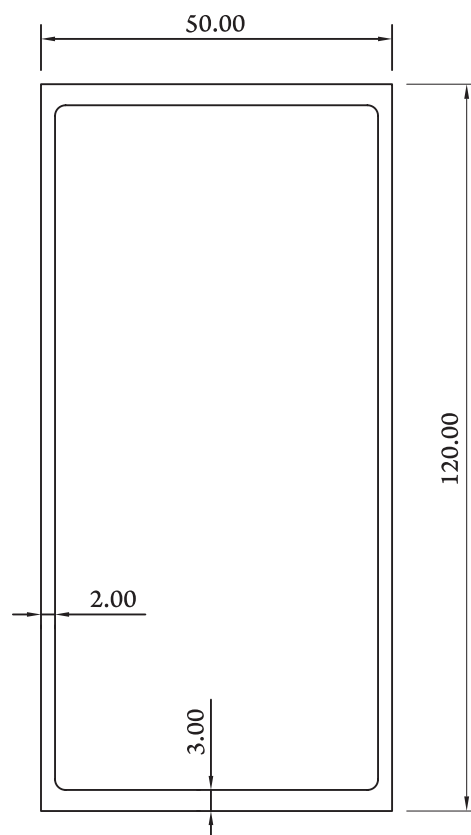
27534

W = 0.924 kg/m
PER = 218.11 mm



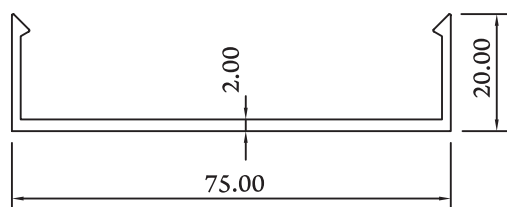
27535

W = 2.731 kg/m
PER = 596.95 mm



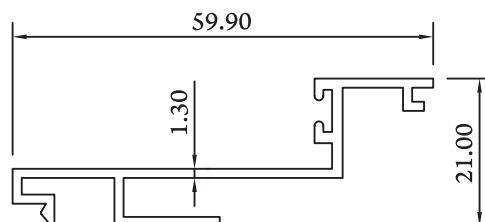
27536

W = 2.054 kg/m
PER = 340.00 mm



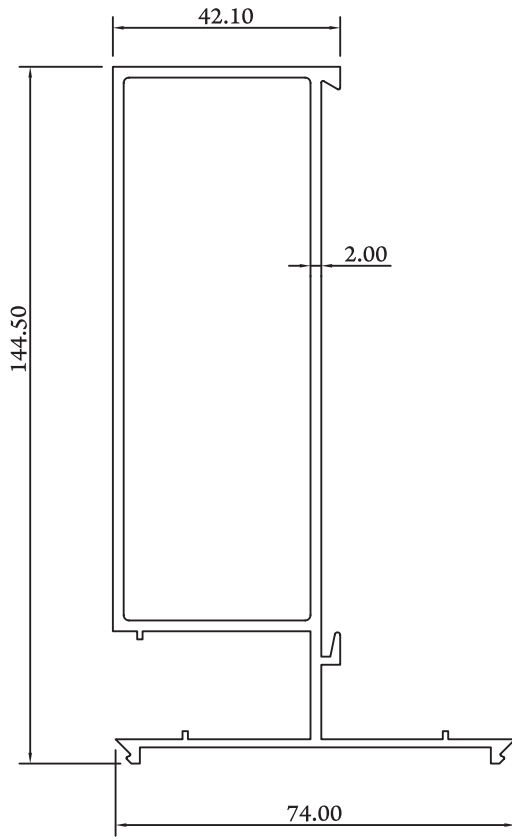
27537

W = 0.560 kg/m
PER = 227.30 mm



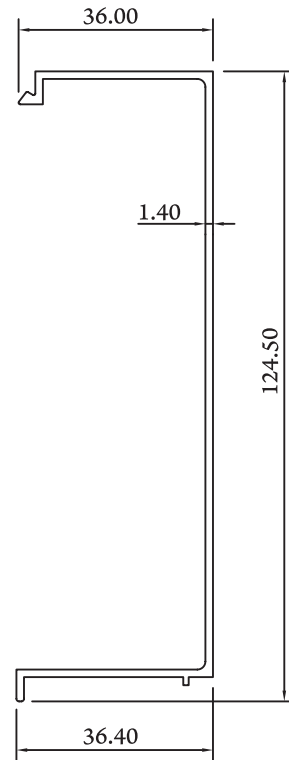
27540

W = 0.425 kg/m
PER = 236.93 mm



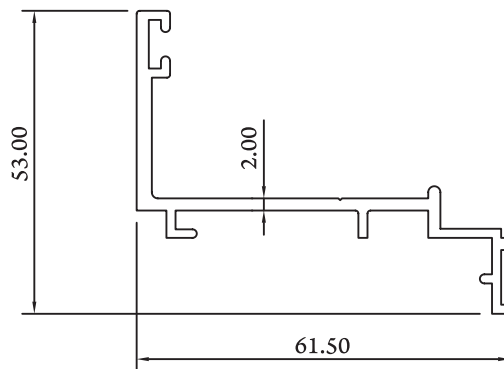
27538

W = 2.192 kg/m
PER = 546.86 mm



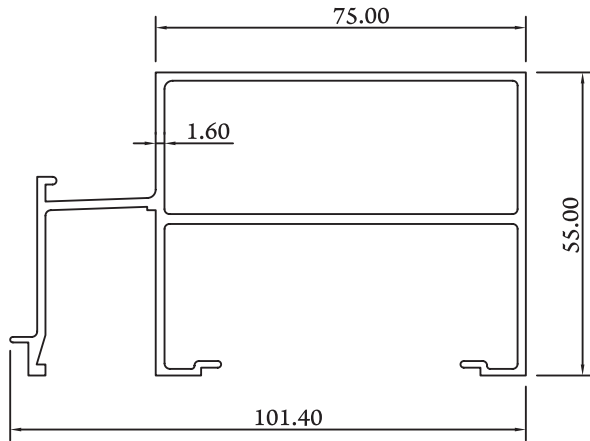
27539

W = 0.763 kg/m
PER = 401.19 mm



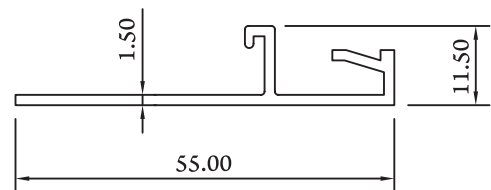
27544

W = 0.726 kg/m
PER = 280.71 mm



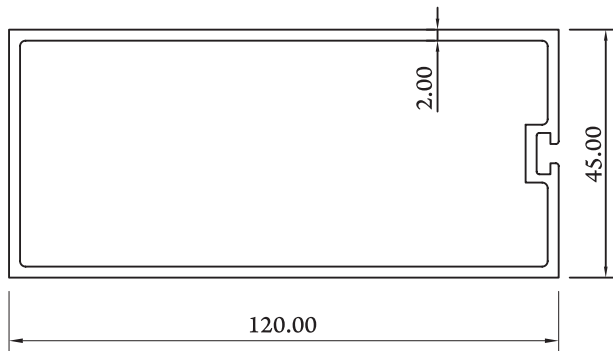
27541

W = 1.461 kg/m
PER = 482.72 mm



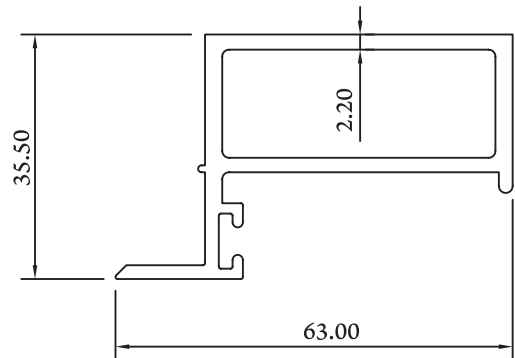
27542

W = 0.341 kg/m
PER = 168.96 mm



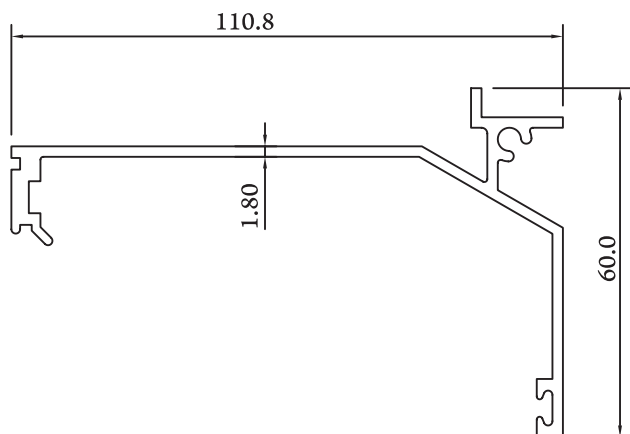
27543

W = 1.798 kg/m
PER = 345.14 mm



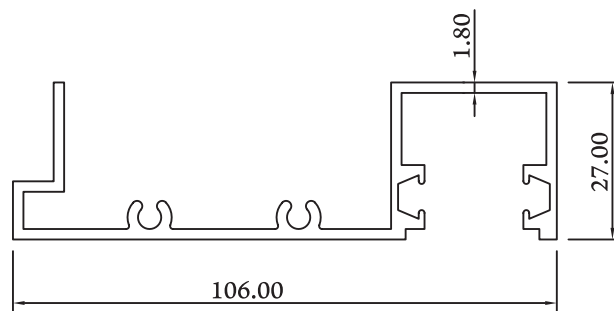
27545

W = 1.017 kg/m
PER = 221.50 mm



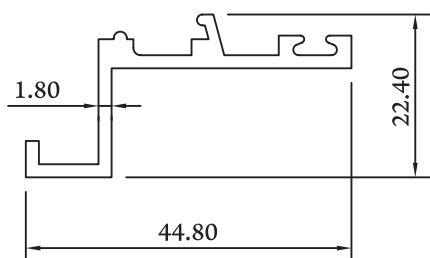
27546

W = 1.092 kg/m
PER = 424.28 mm



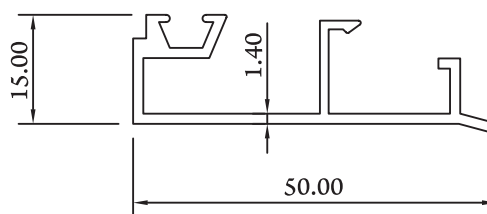
27547

W = 1.126 kg/m
PER = 454.30 mm



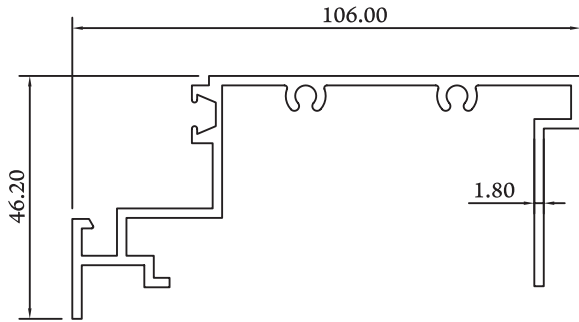
27548

W = 0.422 kg/m
PER = 161.25 mm



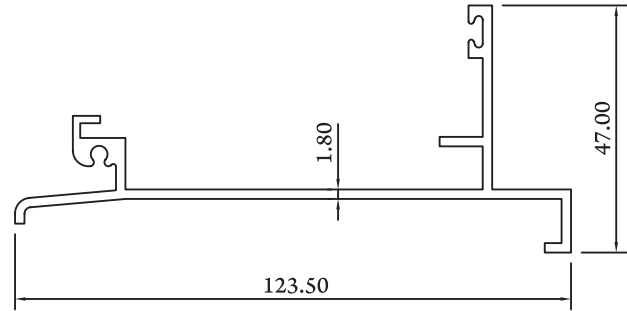
27551

W = 0.414 kg/m
PER = 215.38 mm



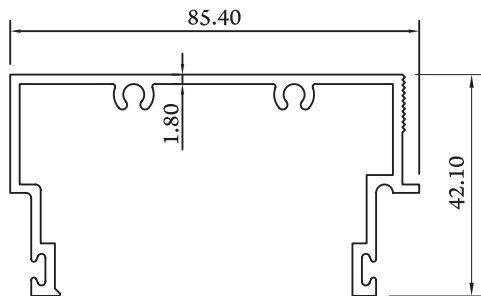
27549

W = 1.211 kg/m
PER = 491.42 mm



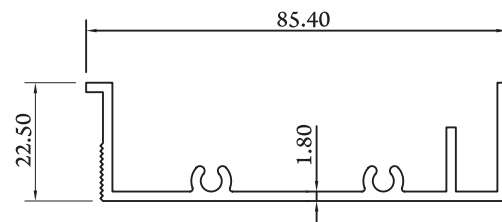
27550

W = 1.094 kg/m
PER = 441.13 mm



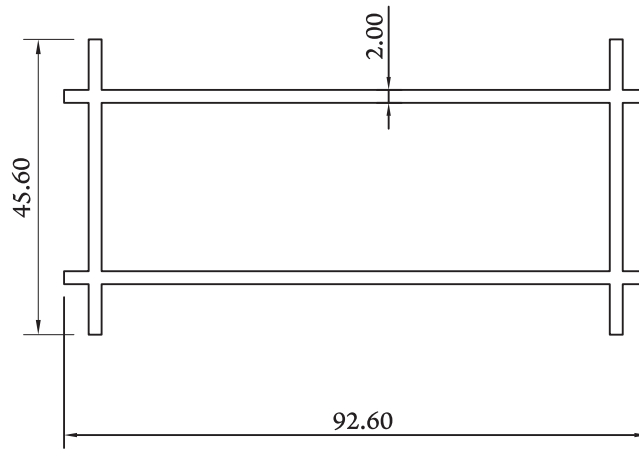
27552

W = 1.051 kg/m
PER = 423.09 mm



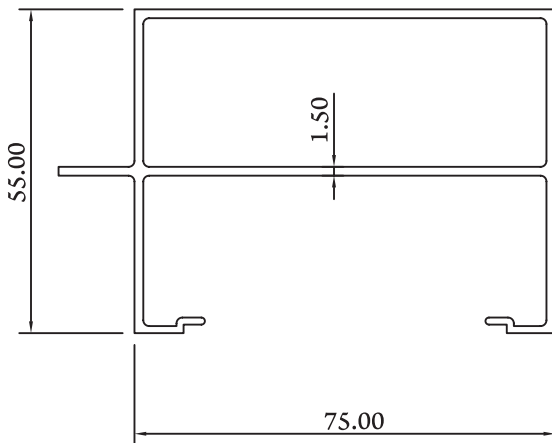
27553

W = 0.787 kg/m
PER = 320.16 mm



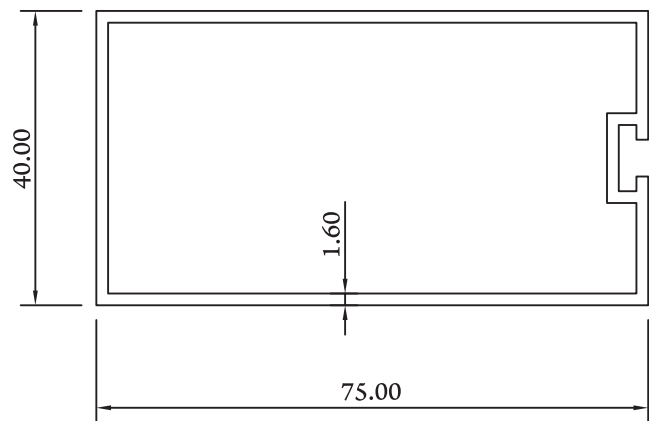
27557

W = 1.455 kg/m
PER = 323.60 mm



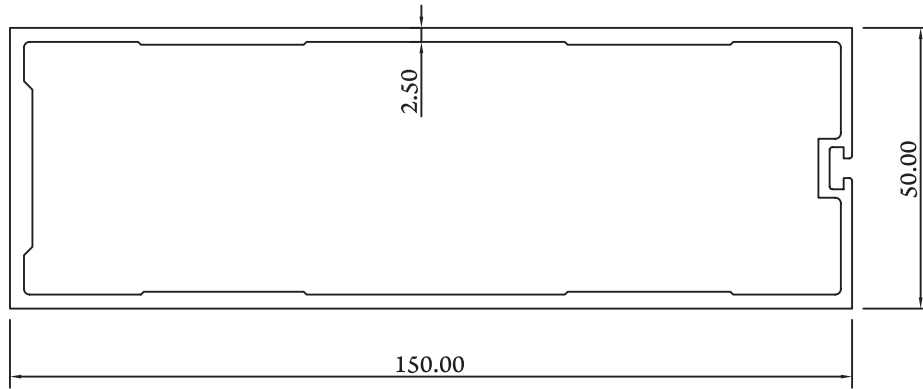
27558

W = 1.183 kg/m
PER = 390.48 mm

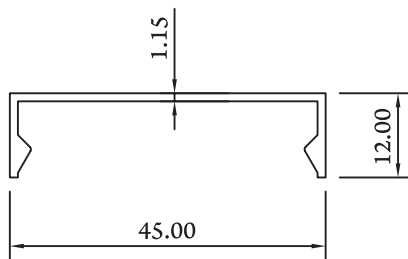


27559

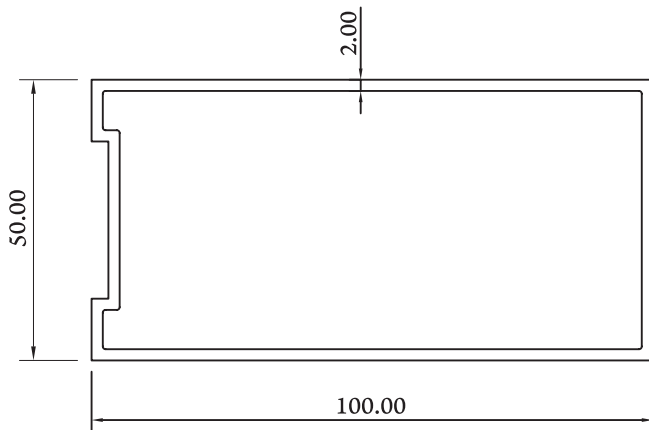
W = 1.022 kg/m
PER = 246.00 mm

**27554**

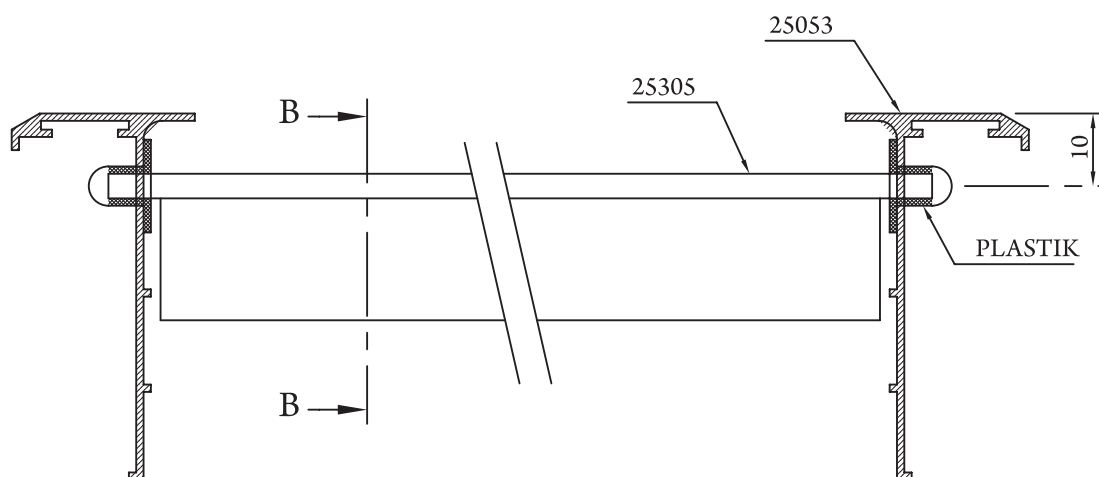
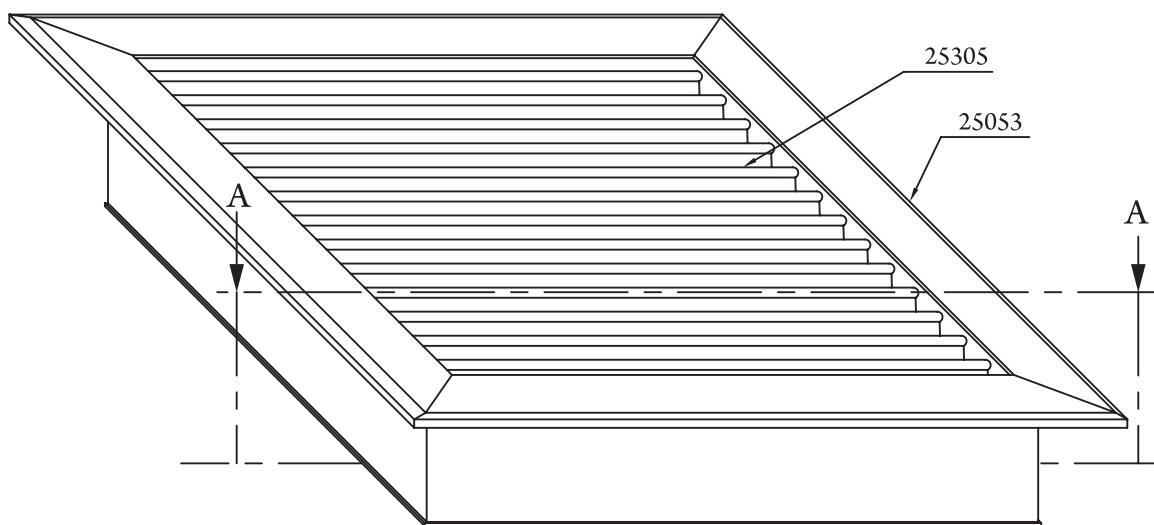
W = 2.913 kg/m
PER = 415.14 mm

**27555**

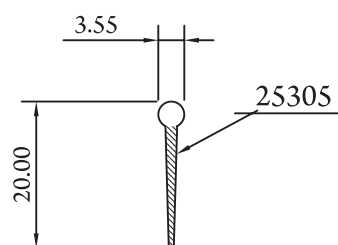
W = 0.237 kg/m
PER = 138.17 mm

**27556**

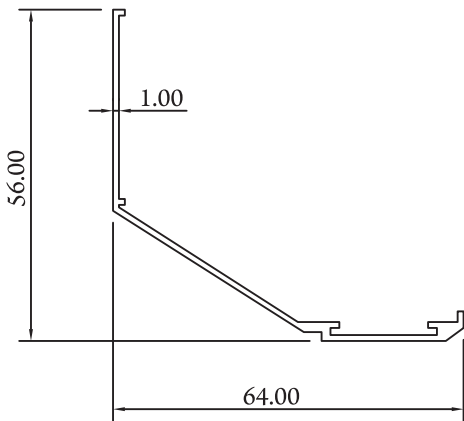
W = 1.618 kg/m
PER = 306.00 mm



POTONGAN A - A

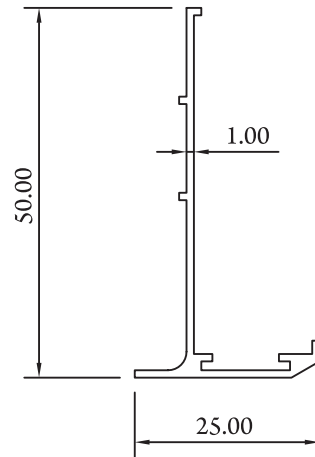


POTONGAN B - B



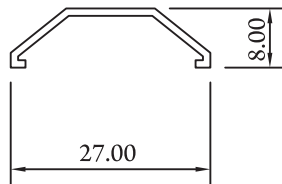
25052

W = 0.337 kg/m
PER = 219.72 mm



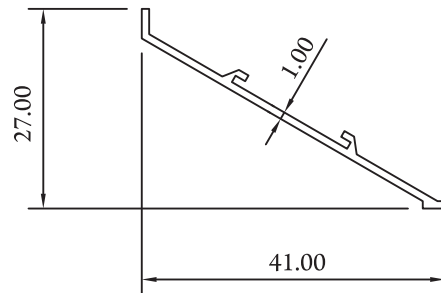
25053

W = 0.250 kg/m
PER = 167.32 mm



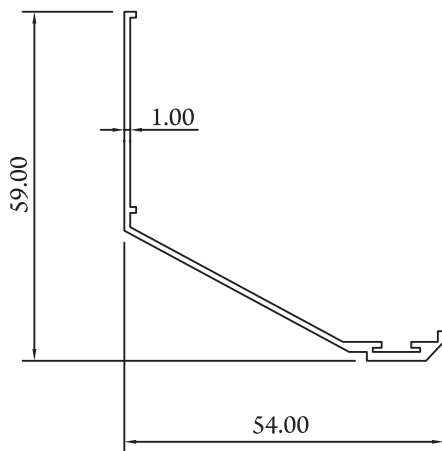
25054

W = 0.096 kg/m
PER = 82.42 mm



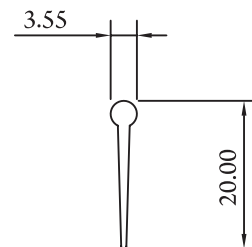
25055

W = 0.154 kg/m
PER = 115.04 mm



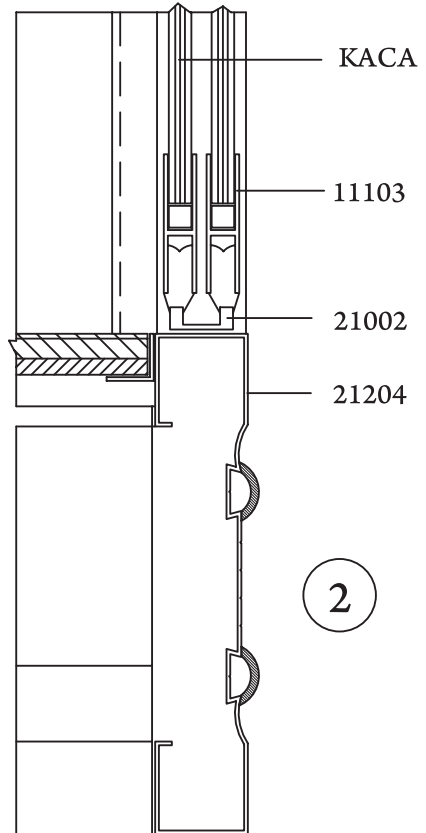
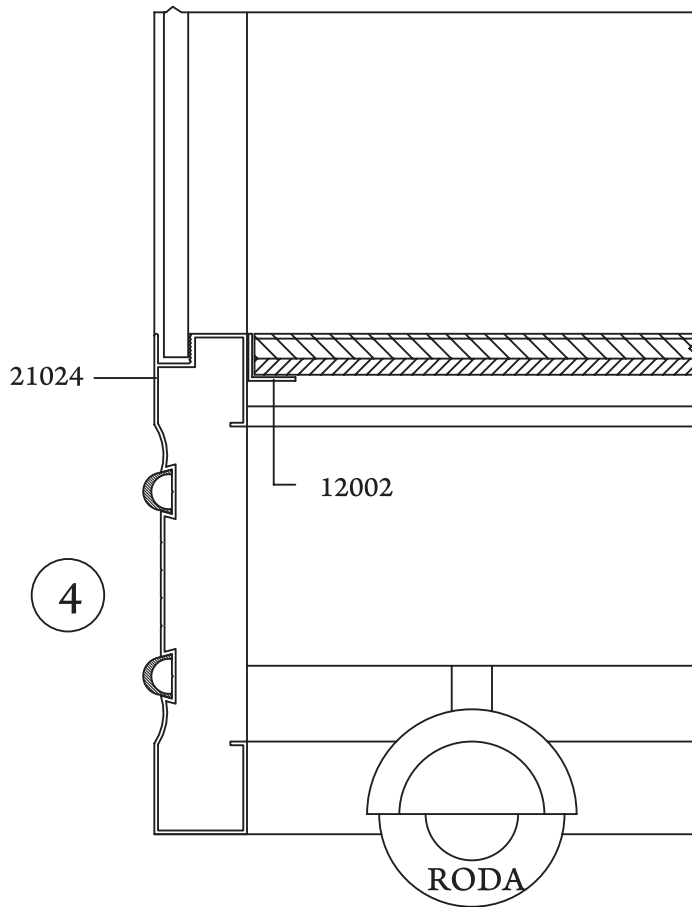
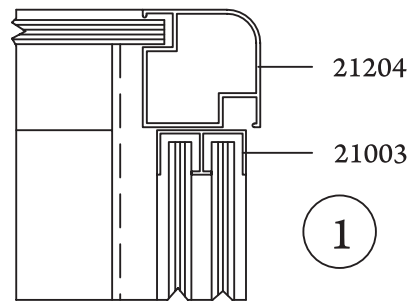
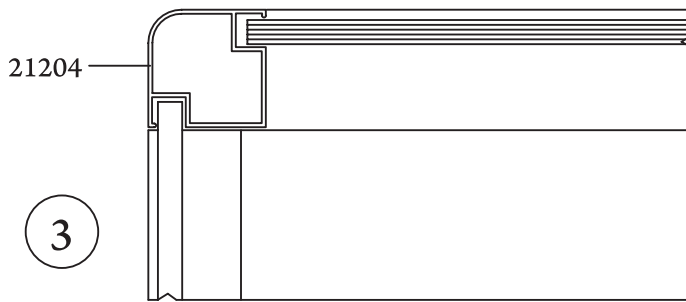
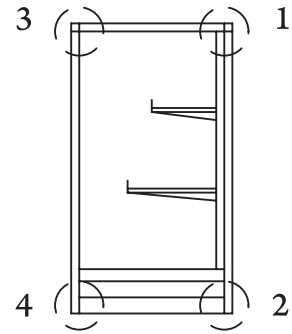
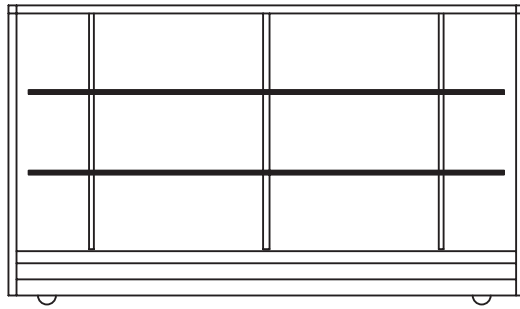
25072

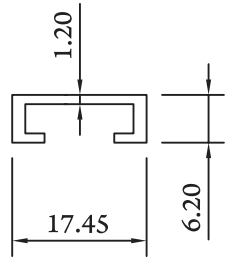
W = 0.327 kg/m
PER = 211.36 mm



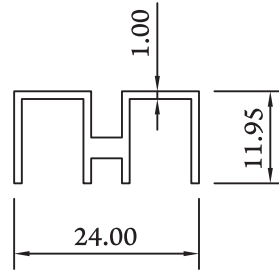
25305

W = 0.080 kg/m
PER = 43.41 mm

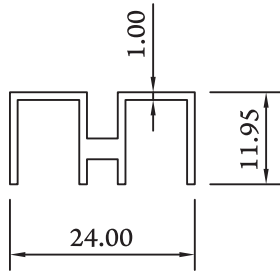


**21011**

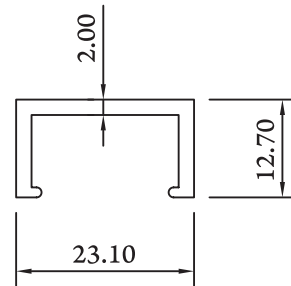
W = 0.119 kg/m
PER = 67.30 mm

**21012**

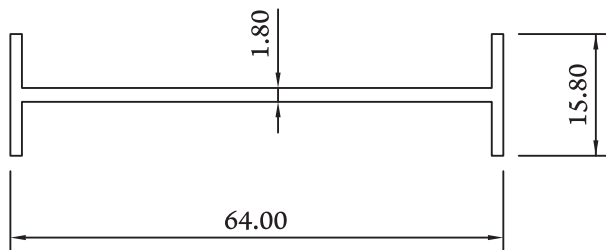
W = 0.207 kg/m
PER = 132.20 mm

**21013**

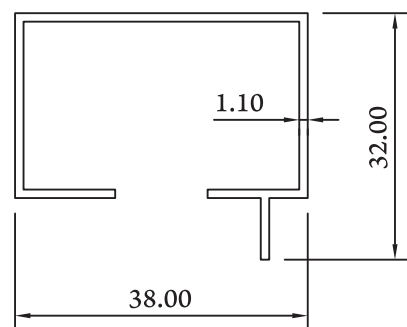
W = 0.202 kg/m
PER = 134.20 mm

**21014**

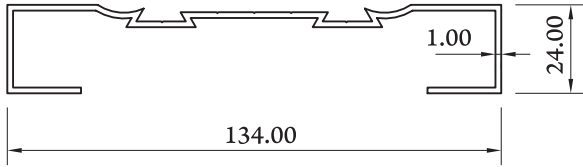
W = 0.249 kg/m
PER = 97.08 mm

**21016**

W = 0.426 kg/m
PER = 187.60 mm

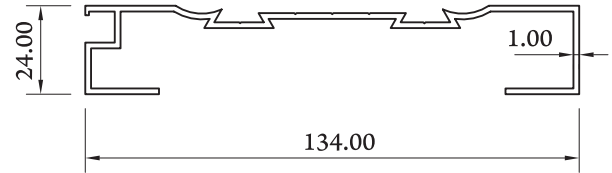
**21022**

W = 0.345 kg/m
PER = 233.40 mm



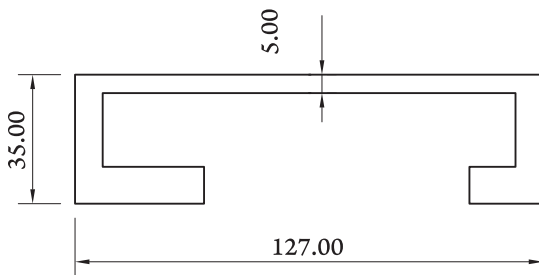
21017

W = 0.645 kg/m
PER = 452.71 mm



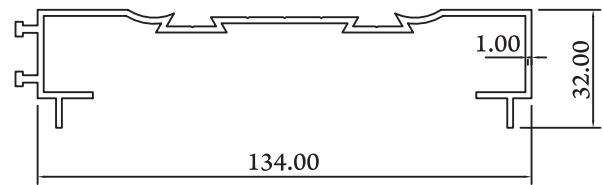
21018

W = 0.669 kg/m
PER = 498.08 mm



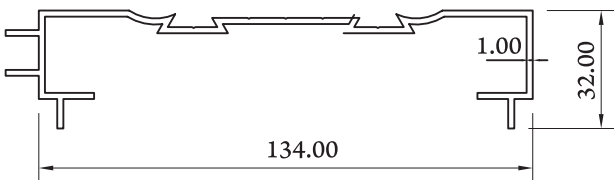
21019

W = 4.024 kg/m
PER = 464.00 mm



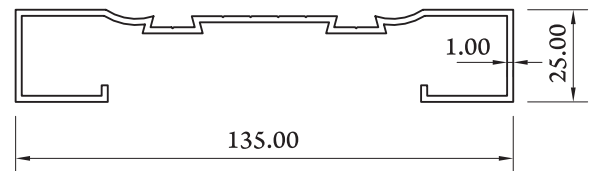
21020

W = 0.747 kg/m
PER = 527.20 mm



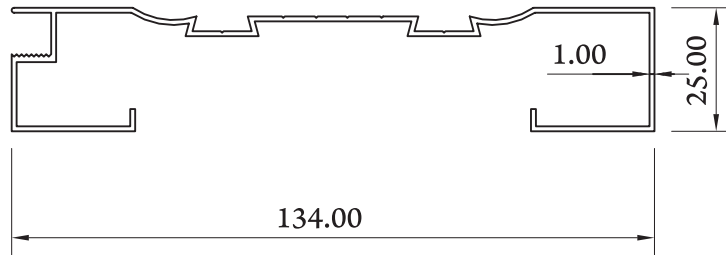
21021

W = 0.719 kg/m
PER = 527.55 mm

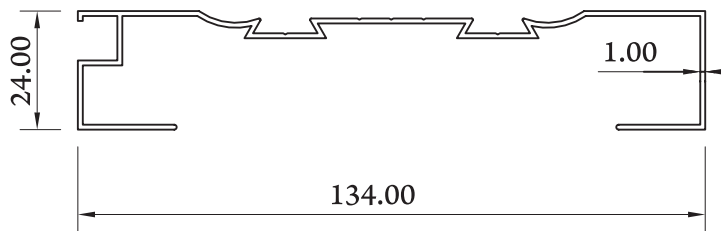


21023

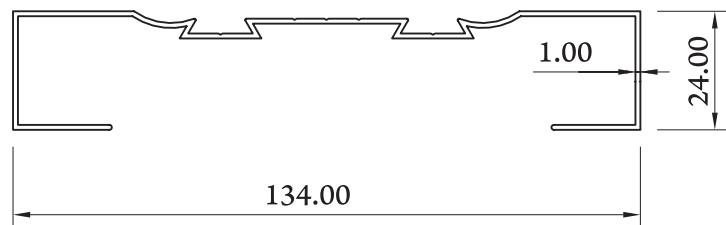
W = 0.690 kg/m
PER = 511.77 mm

**21024**

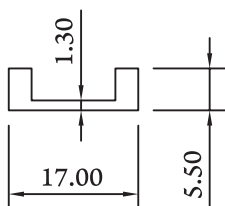
W = 0.719 kg/m
PER = 530.66 mm

**21025**

W = 0.665 kg/m
PER = 492.41 mm

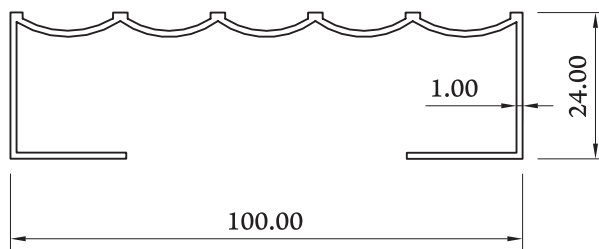
**21026**

W = 0.625 kg/m
PER = 465.11 mm



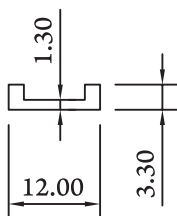
21027

W = 0.128 kg/m
PER = 53.40 mm



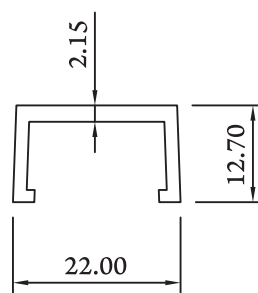
21028

W = 0.535 kg/m
PER = 387.76 mm



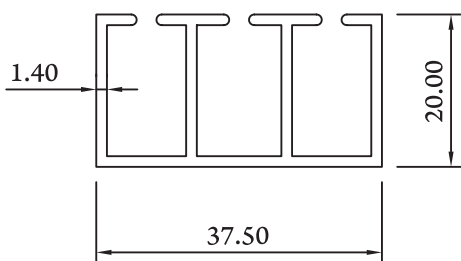
21029

W = 0.064 kg/m
PER = 34.60 mm



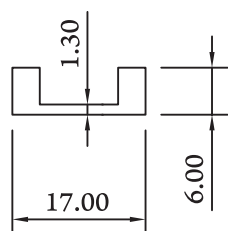
21030

W = 0.233 kg/m
PER = 93.08 mm



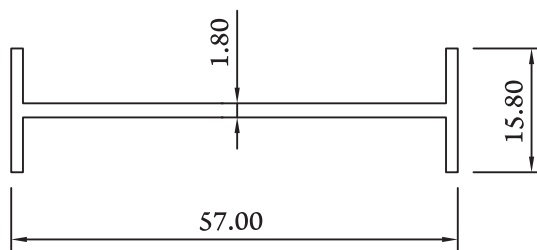
21033

W = 0.513 kg/m
PER = 271.19 mm



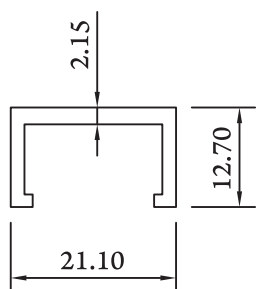
21002

W = 0.149 kg/m
PER = 55.40 mm



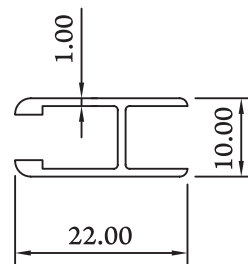
21004

W = 0.392 kg/m
PER = 173.60 mm



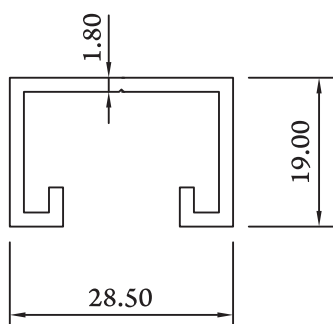
21007

W = 0.232 kg/m
PER = 92.90 mm



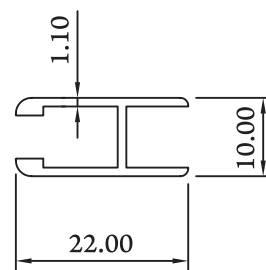
21008

W = 0.156 kg/m
PER = 106.97 mm



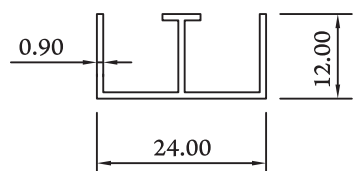
21009

W = 0.387 kg/m
PER = 162.45 mm

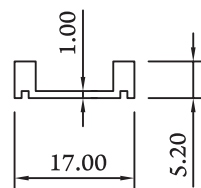


21010

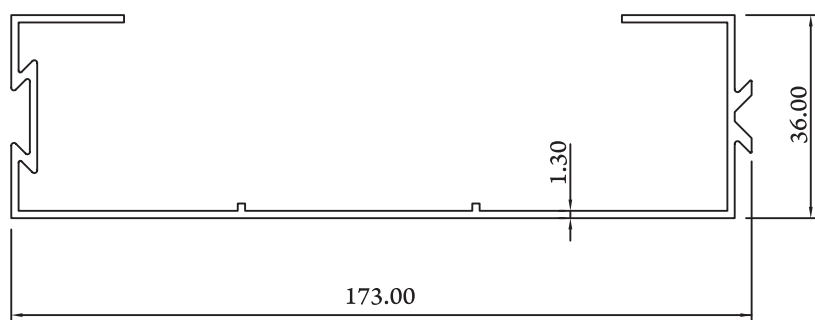
W = 0.172 kg/m
PER = 110.40 mm

**21003**

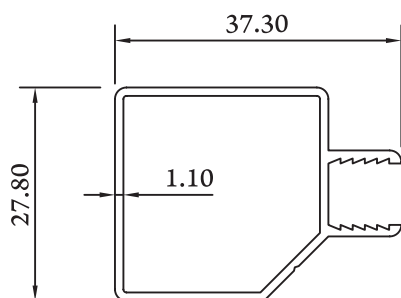
W = 0.151 kg/m
PER = 125.40 mm

**21035**

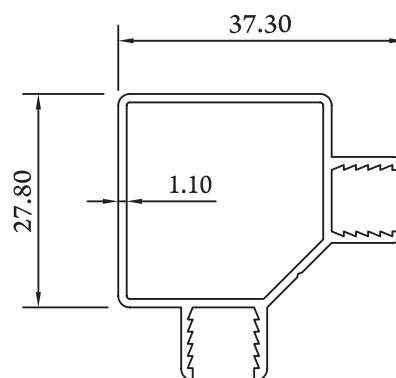
W = 0.109 kg/m
PER = 56.80 mm

**21038**

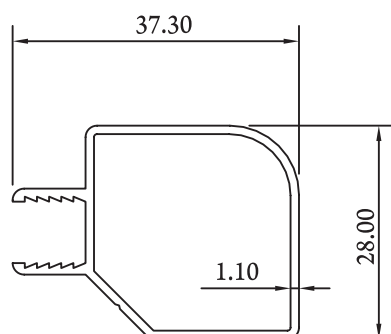
W = 1.092 kg/m
PER = 598.56 mm

**21100**

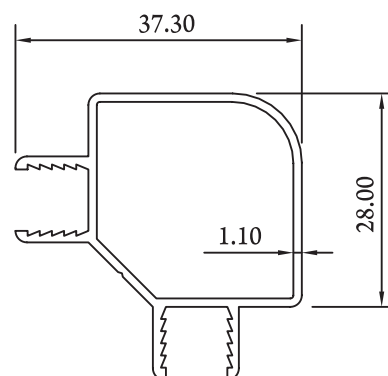
W = 0.377 kg/m
PER = 148.89 mm

**21101**

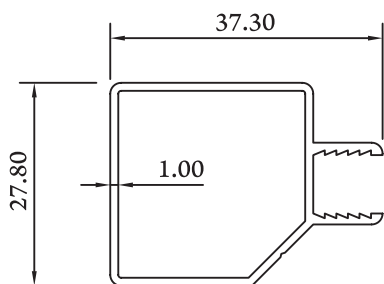
W = 0.443 kg/m
PER = 193.47 mm

**21102**

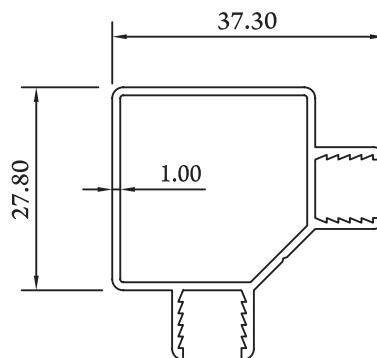
W = 0.354 kg/m
PER = 145.32 mm

**21103**

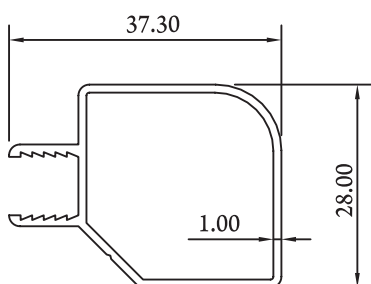
W = 0.414 kg/m
PER = 189.04 mm

**21100A**

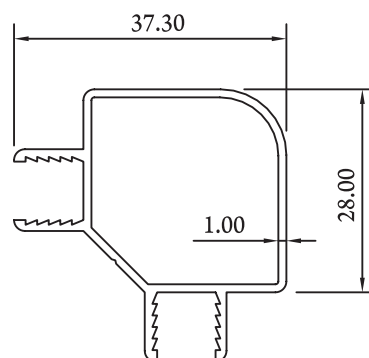
W = 0.340 kg/m
PER = 148.89 mm

**21101A**

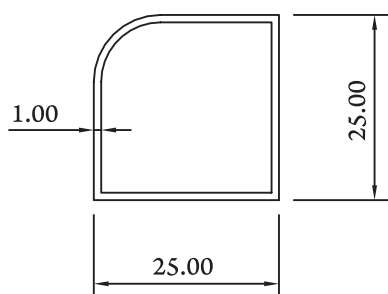
W = 0.405 kg/m
PER = 193.47 mm

**21102A**

W = 0.325 kg/m
PER = 145.32 mm

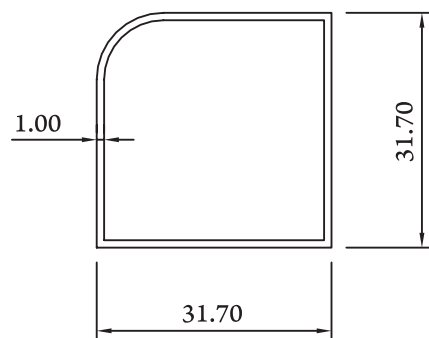
**21103A**

W = 0.385 kg/m
PER = 189.04 mm



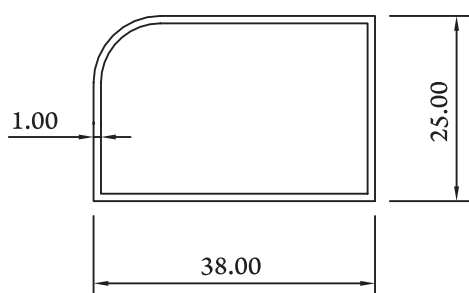
21200

W = 0.250 kg/m
PER = 96.14 mm



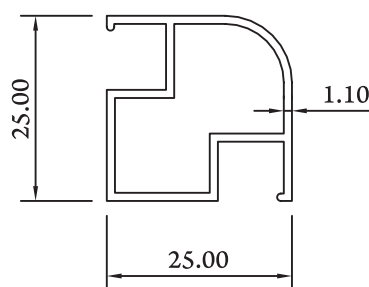
21201

W = 0.232 kg/m
PER = 122.94 mm



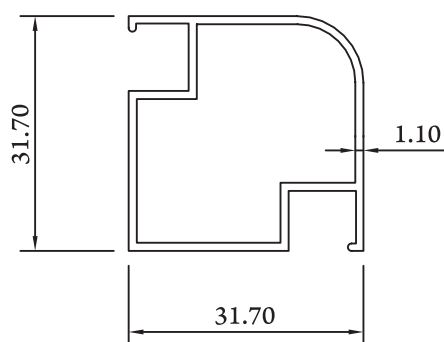
21202

W = 0.232 kg/m
PER = 122.93 mm



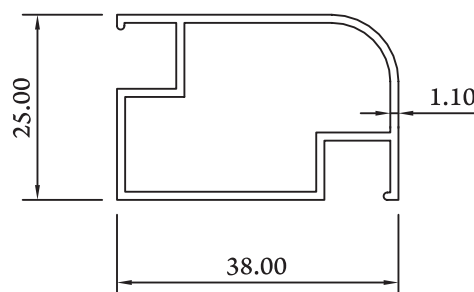
21203

W = 0.329 kg/m
PER = 135.93 mm



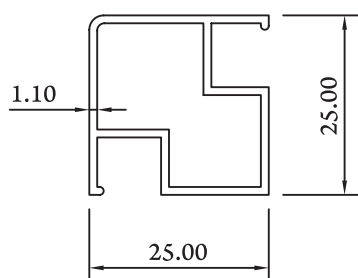
21204

W = 0.408 kg/m
PER = 157.59 mm



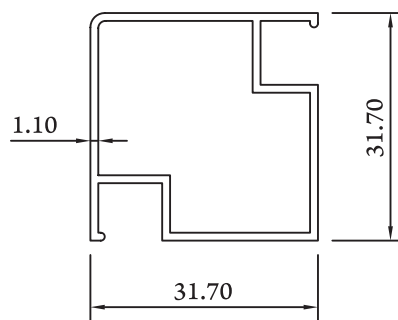
21205

W = 0.406 kg/m
PER = 156.88 mm



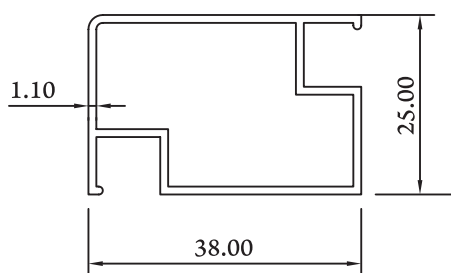
21206

W = 0.336 kg/m
PER = 133.80 mm



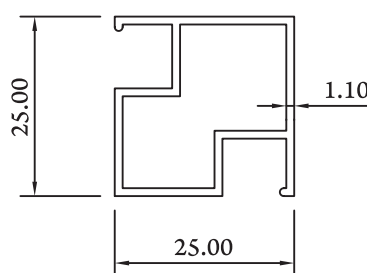
21207

W = 0.416 kg/m
PER = 160.60 mm



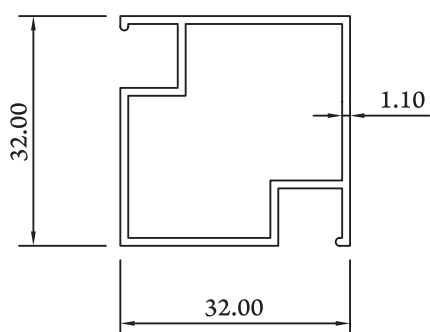
21208

W = 0.413 kg/m
PER = 159.80 mm



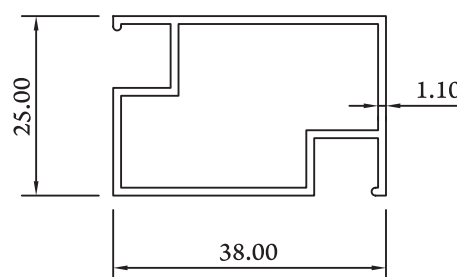
21209

W = 0.337 kg/m
PER = 134.66 mm



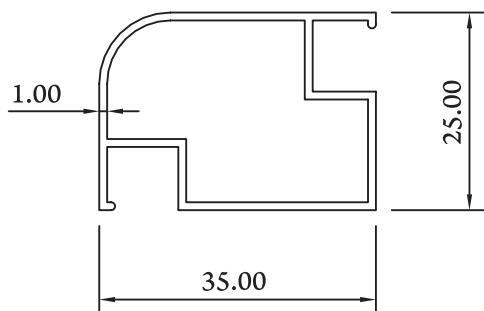
21210

W = 0.421 kg/m
PER = 162.66 mm



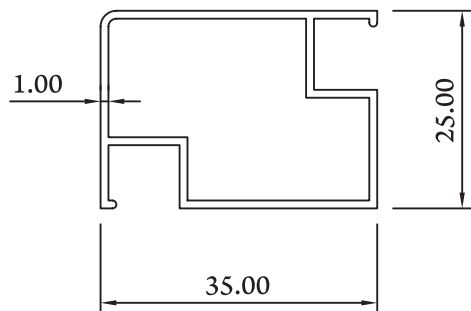
21211

W = 0.415 kg/m
PER = 160.66 mm



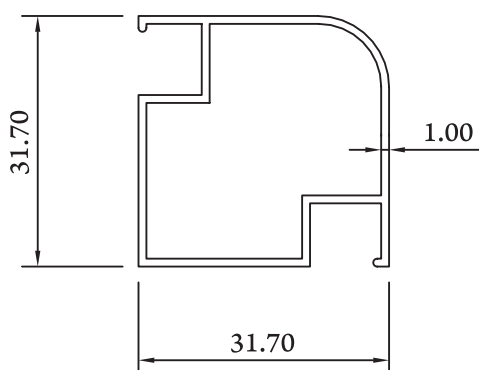
21212

W = 0.353 kg/m
PER = 151.28 mm



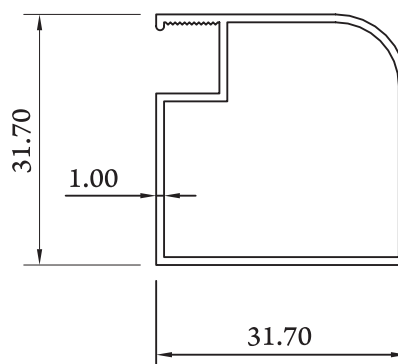
21213

W = 0.361 kg/m
PER = 154.28 mm



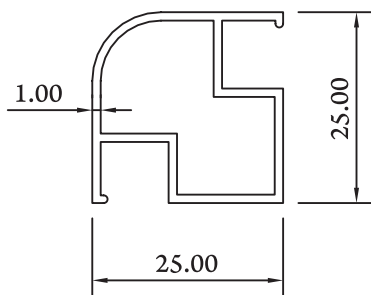
21214

W = 0.370 kg/m
PER = 158.08 mm



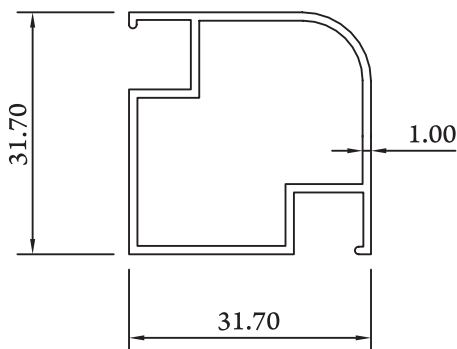
21221

W = 0.350 kg/m
PER = 143.24 mm



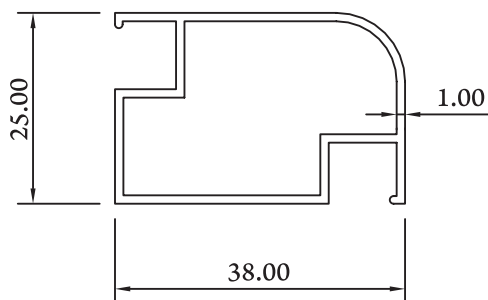
2120 3A

W = 0.298 kg/m
PER = 131.28 mm



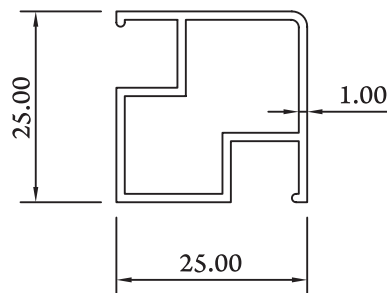
2120 4A

W = 0.371 kg/m
PER = 158.08 mm



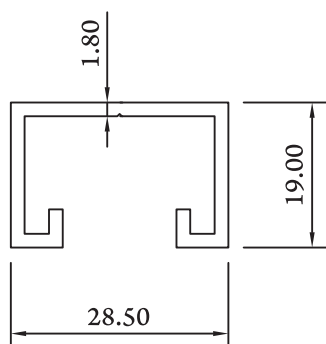
2120 5A

W = 0.369 kg/m
PER = 157.28 mm



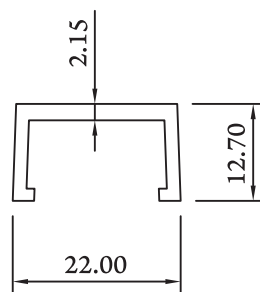
2120 6A

W = 0.307 kg/m
PER = 134.28 mm



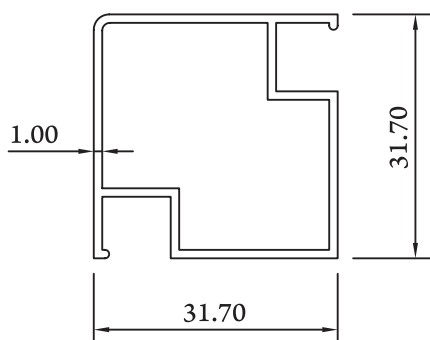
2100 9A

W = 0.423 kg/m
PER = 160.20 mm

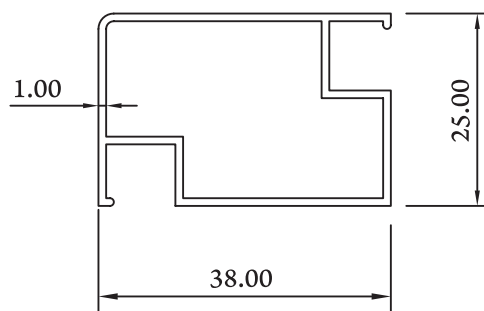


210 30 A

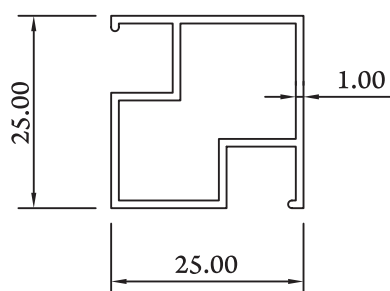
W = 0.196 kg/m
PER = 93.56 mm

**21207A**

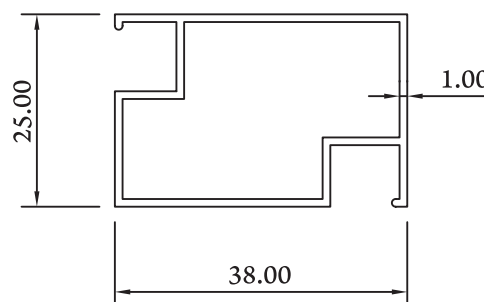
W = 0.380 kg/m
PER = 161.08 mm

**21208A**

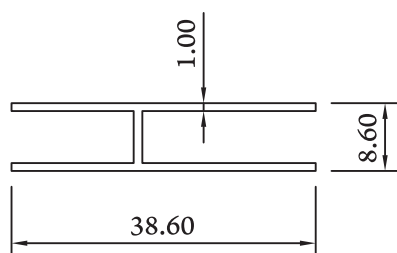
W = 0.337 kg/m
PER = 160.28 mm

**21209A**

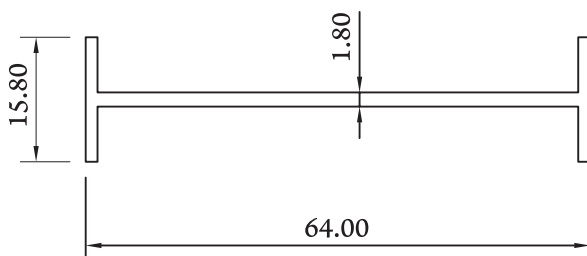
W = 0.308 kg/m
PER = 135.14 mm

**21211A**

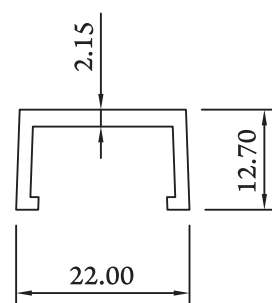
W = 0.379 kg/m
PER = 161.06 mm

**1110 3T**

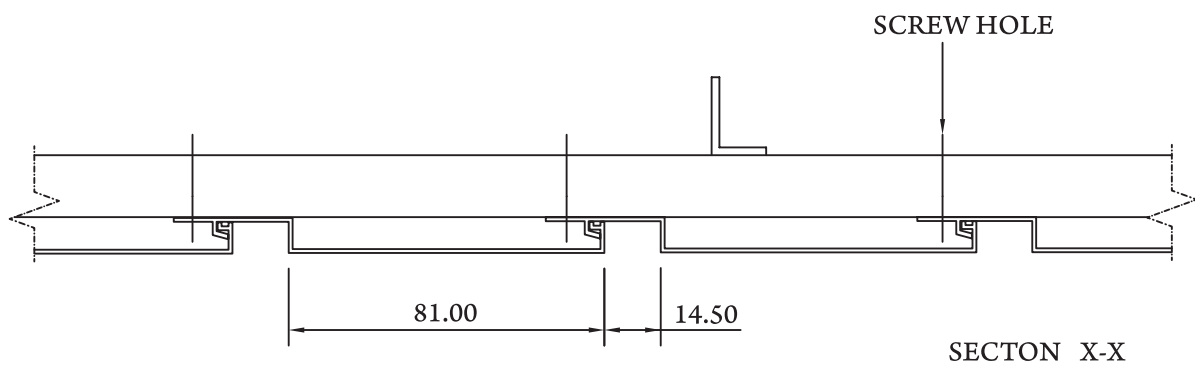
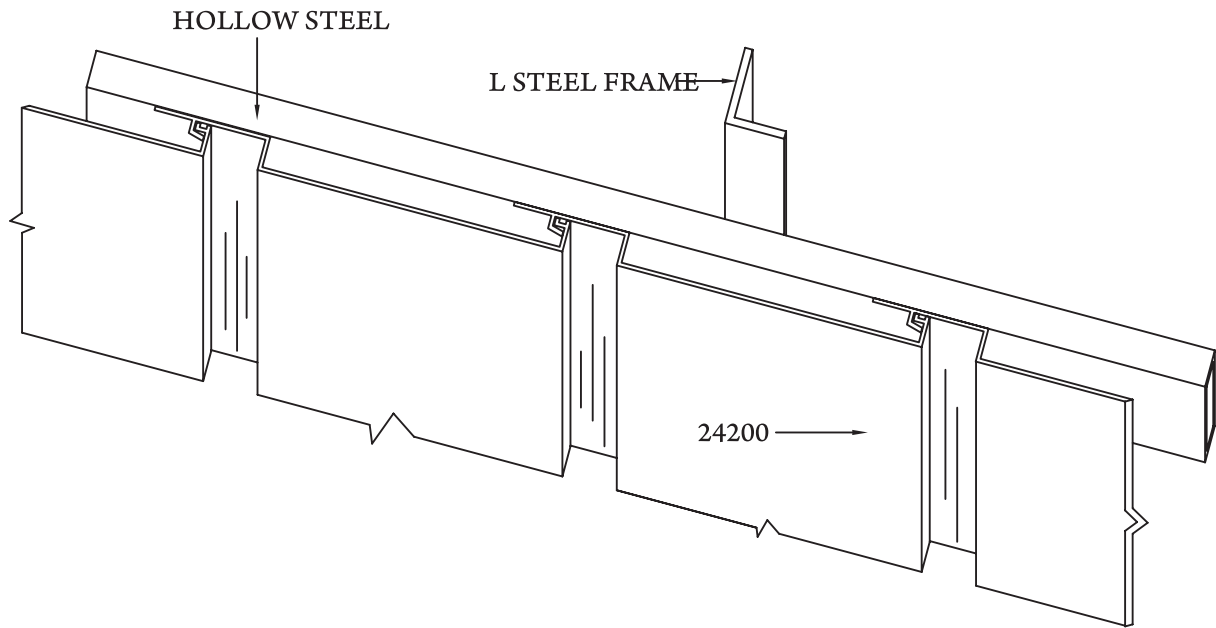
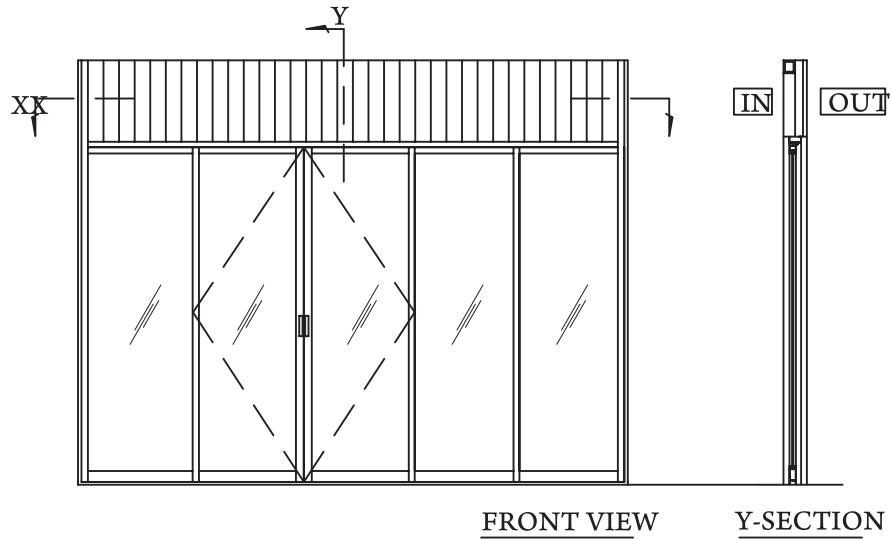
W = 0.229 kg/m
PER = 169.40 mm

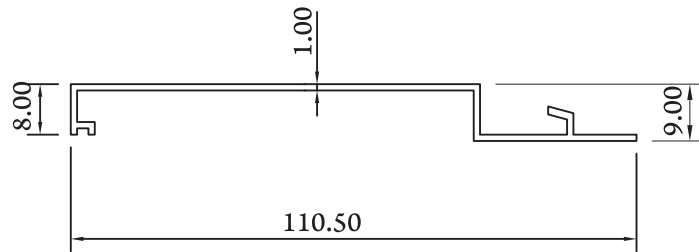
**21016T**

W = 0.383 kg/m
PER = 186.80 mm

**21030T**

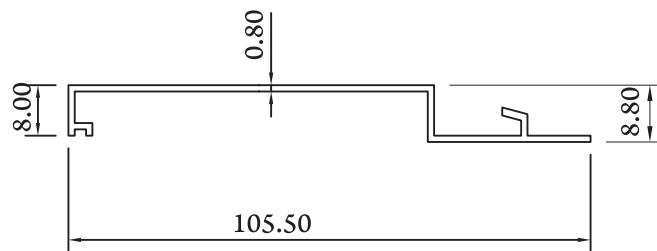
W = 0.218 kg/m
PER = 93.97 mm





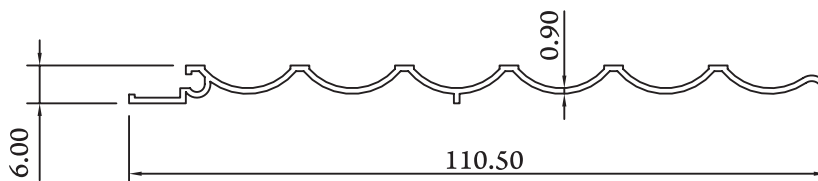
24200

W = 0.370 kg/m
PER = 273.40 mm



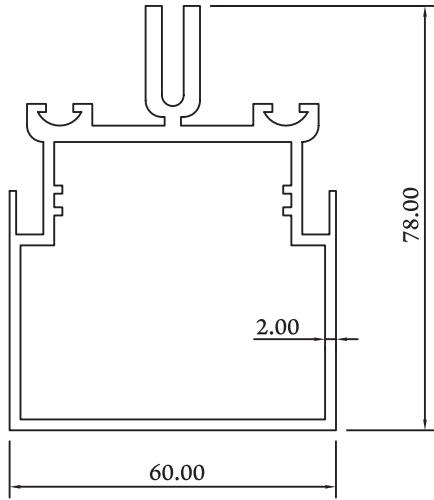
24200T

W = 0.286 kg/m
PER = 264.30 mm



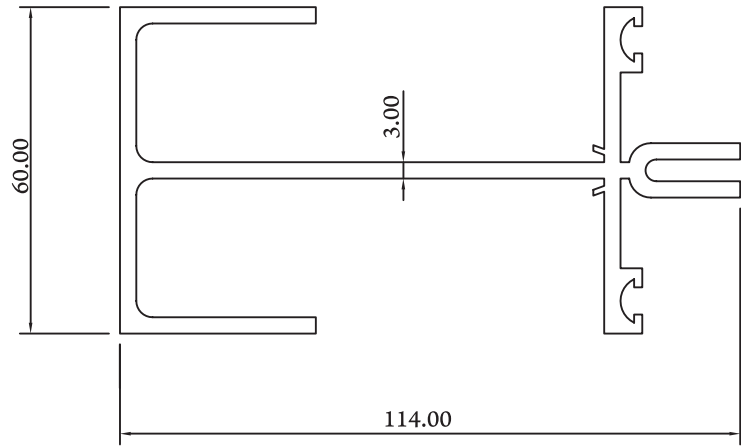
24202

W = 0.342 kg/m
PER = 280.80 mm



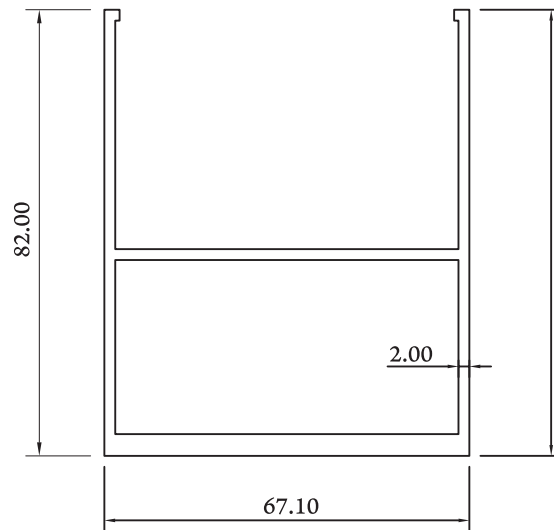
25904

W = 1.951 Kg/m
PER = 400.22 mm



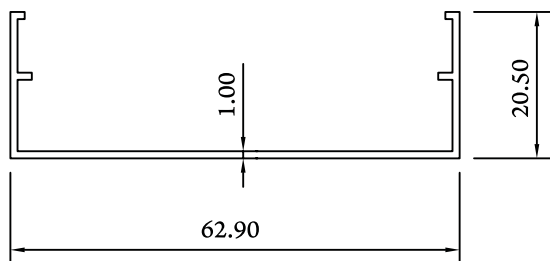
25905

W = 2.929 Kg/m
PER = 715.66 mm



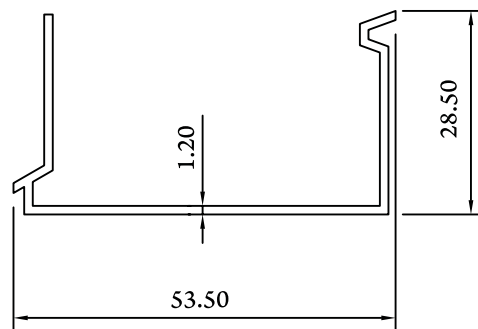
25906

W = 1.924 Kg/m
PER = 389.40 mm



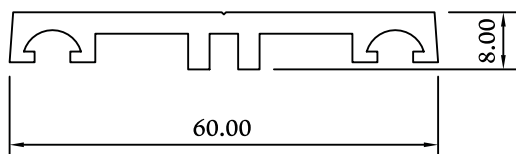
25907

W = 0.292 Kg/m
PER = 217.80 mm



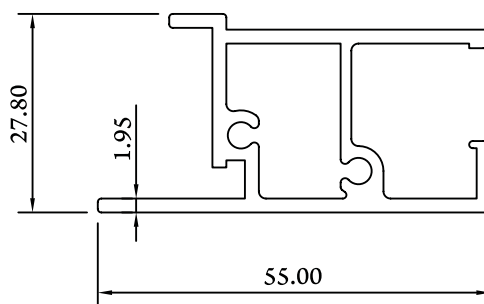
25908

W = 0.368 Kg/m
PER = 228.92 mm



25909

W = 0.683 Kg/m
PER = 184.73 mm

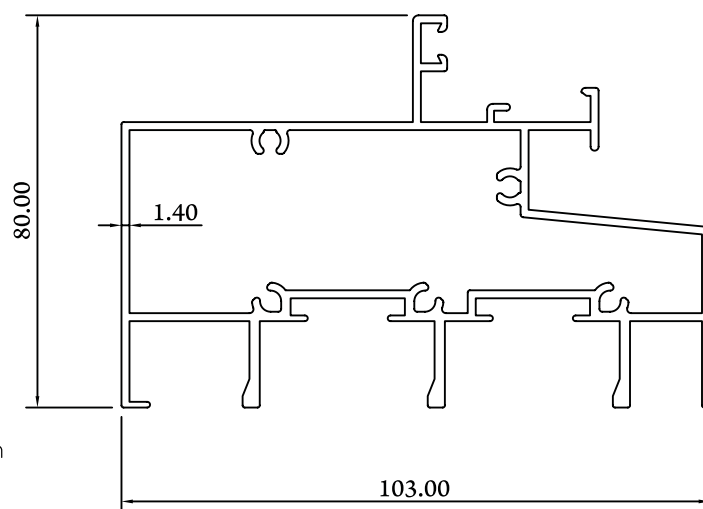


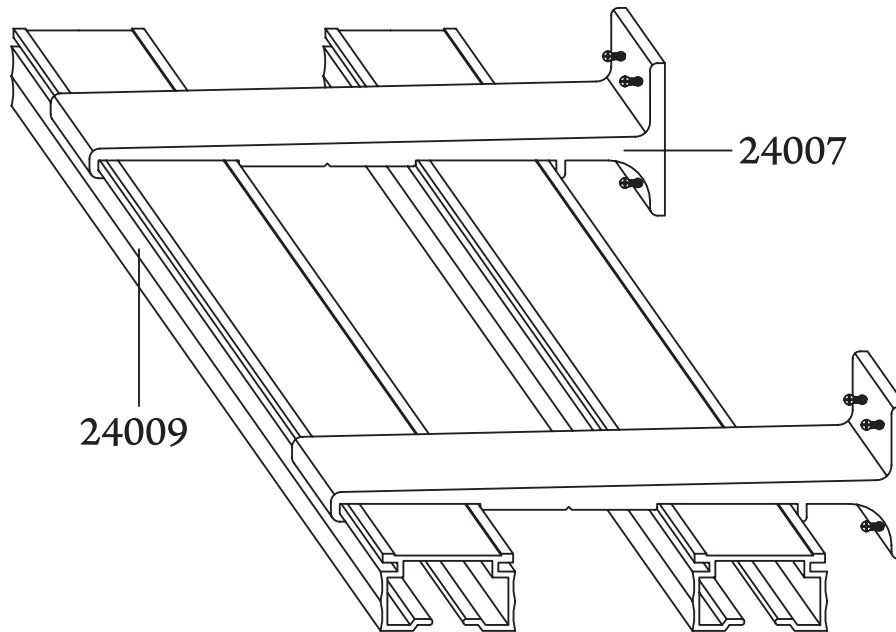
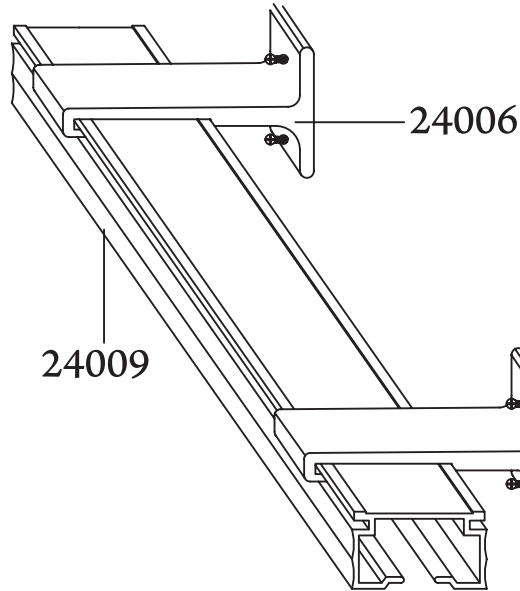
40209

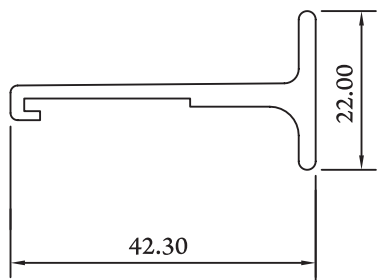
W = 0.899 Kg/m
PER = 239.00 mm

40147

W = 2.004 Kg/m
PER = 666.67 mm

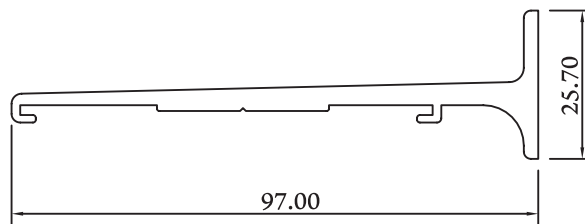






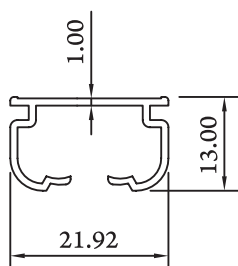
24006

W = 0.429 kg/m
PER = 133.25 mm



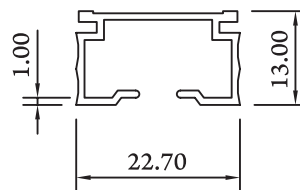
24007

W = 1.115 kg/m
PER = 269.20 mm



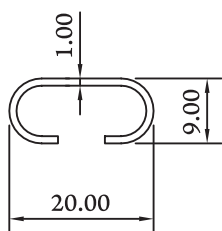
24008

W = 0.170 kg/m
PER = 132.78 mm



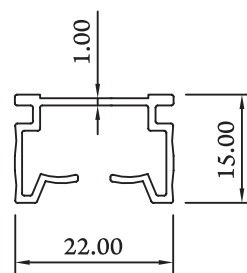
24009

W = 0.196 kg/m
PER = 136.36 mm



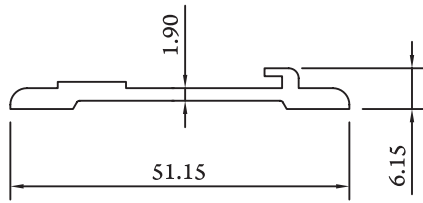
24010

W = 0.110 kg/m
PER = 83.27 mm



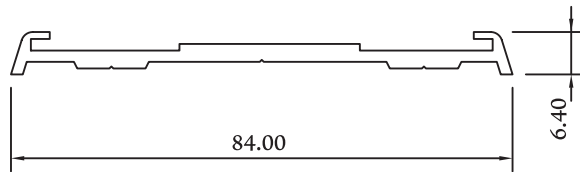
24011

W = 0.186 kg/m
PER = 151.38 mm



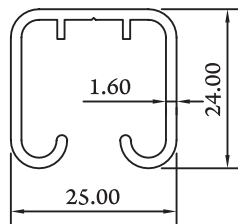
24012

W = 0.386 kg/m
PER = 120.50 mm



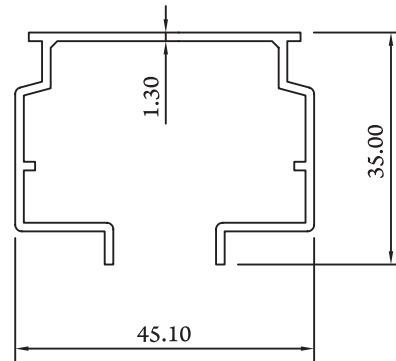
24013

W = 0.572 kg/m
PER = 201.71 mm



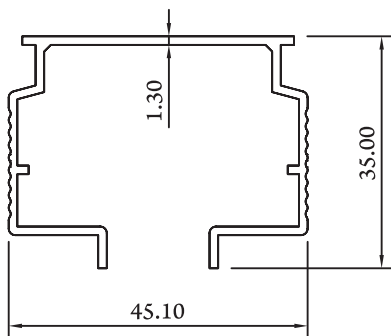
24014

W = 0.369 kg/m
PER = 176.71 mm



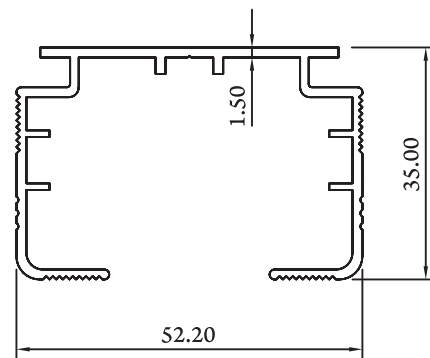
24015

W = 0.519 kg/m
PER = 291.47 mm



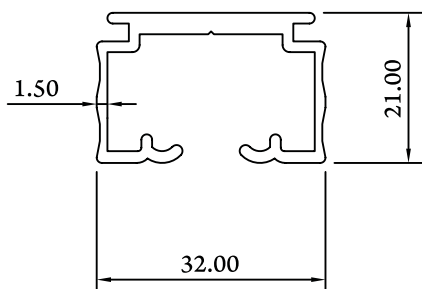
24016

W = 0.506 kg/m
PER = 296.73 mm



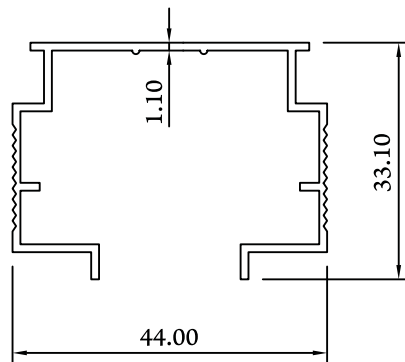
24017

W = 0.673 kg/m
PER = 347.76 mm



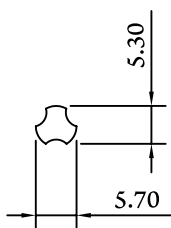
24018

W = 0.481 kg/m
PER = 201.80 mm



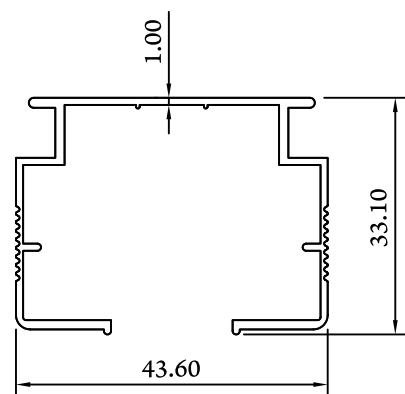
24029

W = 0.410 kg/m
PER = 287.80 mm



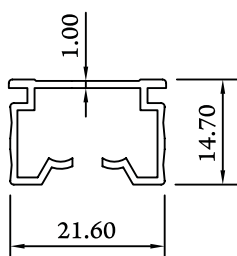
24030

W = 0.059 kg/m
PER = 22.85 mm



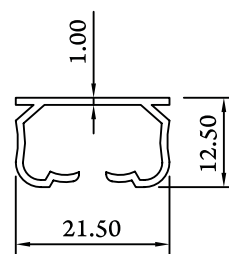
24031

W = 0.414 kg/m
PER = 296.73 mm



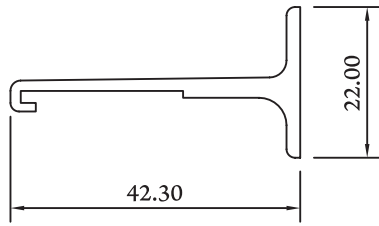
24032

W = 0.193 kg/m
PER = 146.49 mm



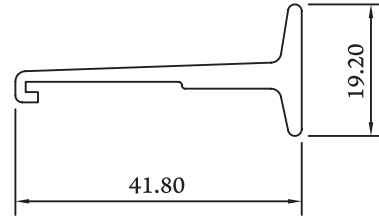
24033

W = 0.167 kg/m
PER = 123.78 mm



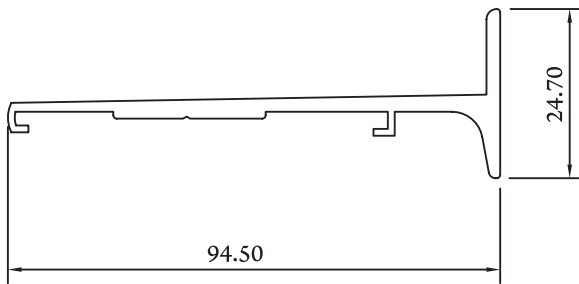
24035

W = 0.380 kg/m
PER = 133.51 mm



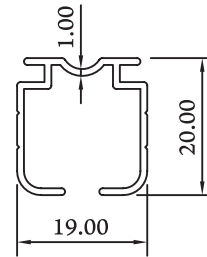
24036

W = 0.422 kg/m
PER = 124.06 mm



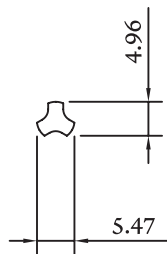
24037

W = 0.729 kg/m
PER = 254.83 mm



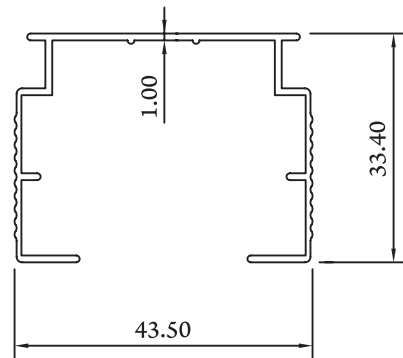
24044

W = 0.197 kg/m
PER = 147.39 mm



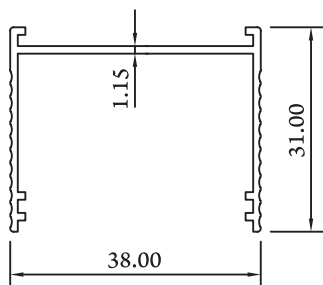
24047

W = 0.044 kg/m
PER = 17.54 mm



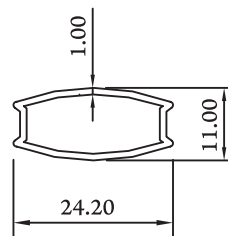
24048

W = 0.342 kg/m
PER = 272.91 mm



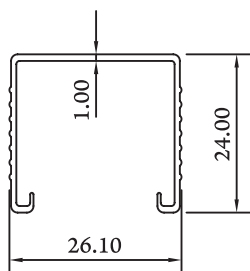
25100

W = 0.319 kg/m
PER = 212.70 mm



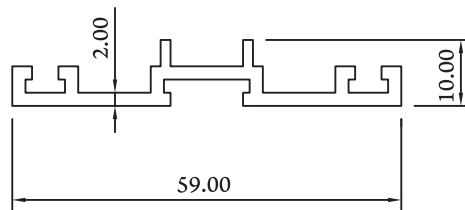
25103

W = 0.210 kg/m
PER = 64.00 mm



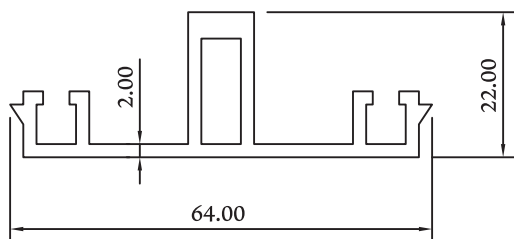
25218

W = 0.192 kg/m
PER = 161.54 mm



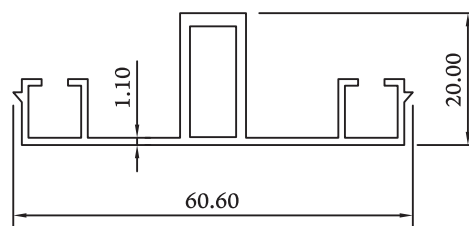
30014

W = 0.515 kg/m
PER = 198.00 mm



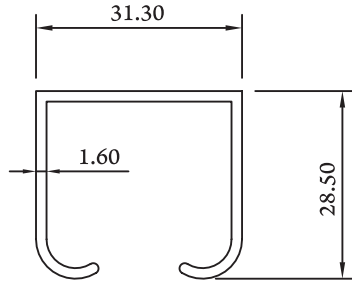
30015

W = 1.100 kg/m
PER = 241.21 mm



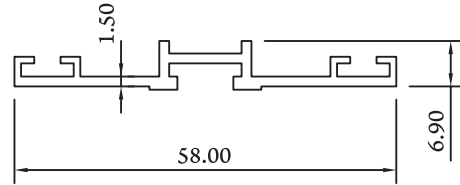
30048

W = 0.361 kg/m
PER = 246.77 mm



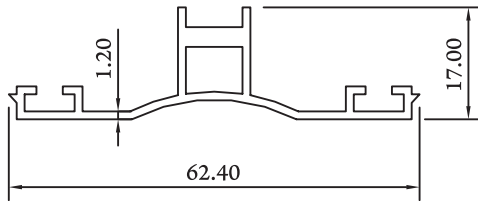
24053

W = 0.419 kg/m
PER = 95.25 mm



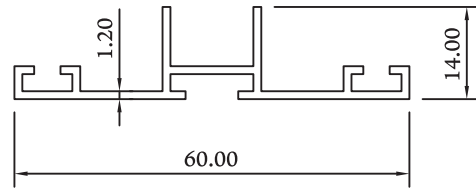
30051

W = 0.356 kg/m
PER = 187.60 mm



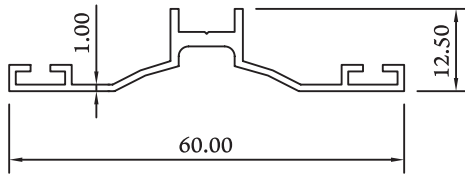
30052

W = 0.431 kg/m
PER = 205.01 mm



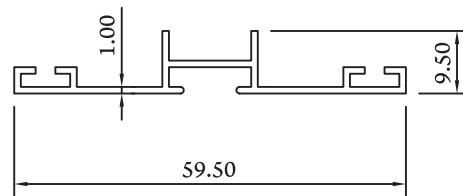
30053

W = 0.366 kg/m
PER = 227.60 mm



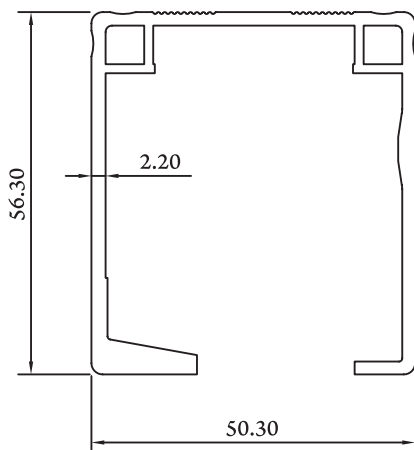
30131

W = 0.301 kg/m
PER = 194.01 mm



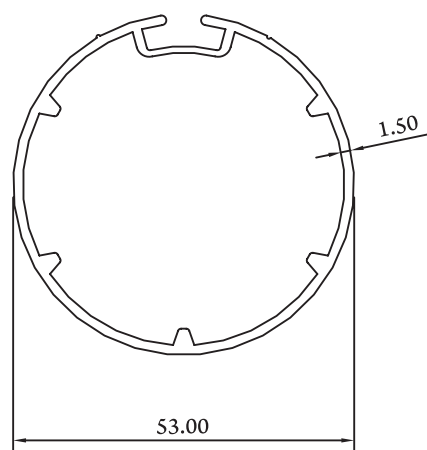
30133

W = 0.275 kg/m
PER = 204.28 mm



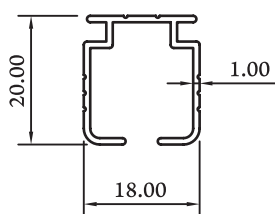
24055

W = 1.236 kg/m
PER = 365.01 mm



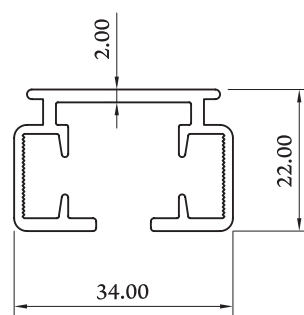
24056

W = 0.780 kg/m
PER = 189.10 mm



24058

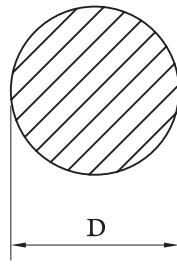
W = 0.188 kg/m
PER = 144.73 mm



24073

W = 0.535 kg/m
PER = 243.93 mm

ROUND



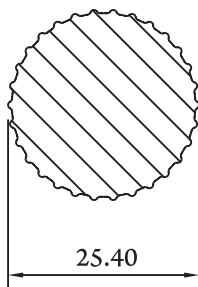
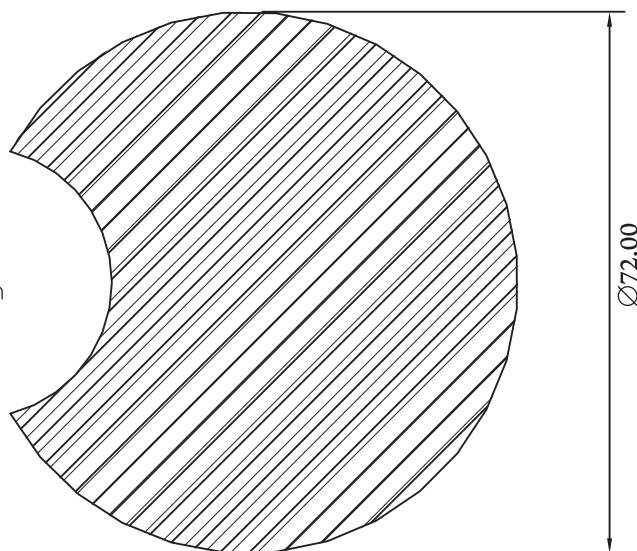
SECTION NO	DIMENSION DIA (D)	WEIGHT KG/M	PERIMETER MM
10005	5.00	0.0531	5.70
10006	6.00	0.077	18.84
10007	7.00	0.104	21.98
10008	25.40	1.3737	9.76
10009	28.001	.670	87.92
100105	.500	.064	17.27
100119	.530	.193	29.92
100121	2.70	0.343	39.88
10013	15.8750	.536	49.61
100141	9.05	0.7725	9.66
100153	8.10	3.088	119.63
100165	0.80	5.4901	59.51
10017	44.45	4.2031	39.57
10018	22.40	1.098	70.34
10019	28.58	1.7388	9.74
100204	.500	.043	14.13
100216	.800	.098	21.36
100221	0.00	0.213	31.40
100233	2.00	2.180	100.53
100253	6.00	2.758	113.10
10026	88.00	16.486	276.46
10027	31.75	2.146	99.746
10028	7.80	0.129	24.50
10029	63.50	8.582	199.49
10030	76.20	12.359	239.389
10031	57.15	6.952	179.54
10032	48.00	4.904	150.80
100348	.000	.136	25.13

ROUND

SOLID

10024

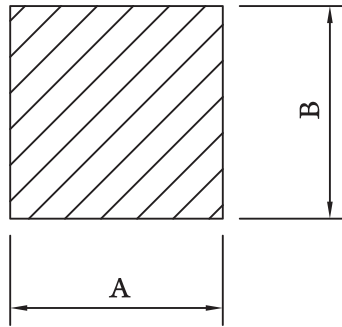
W = 9.812 kg/m
PER = 237.26 mm

**10039**

W = 1.302 kg/m
PER = 88.57 mm

SECTION	DIMENSION	WEIGHT	PERIMETER
NO	DIA (D)	KG/M	MM
10035	40.00	3.406	125.66
10036	6.35	0.086	19.95
10037	20.00	0.851	62.83
10038	7.93	0.134	24.91
10040	26.00	1.439	81.68
10041	34.925	2.596	109.72
10042	8.33	0.148	26.17
10043	22.20	1.049	69.74

SQUARE

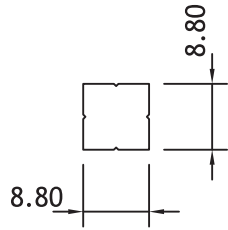


SOLID

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	A	B	KG/M	MM
10206	6.35	6.35	0.109	25.40
10207	7.00	7.00	0.133	28.00
10208	7.60	7.60	0.157	30.40
10209	7.90	7.90	0.169	31.60
10210	8.30	8.30	0.187	33.20
10211	9.00	9.00	0.220	36.00
10212	15.00	15.00	0.610	60.00
10213	19.05	19.05	0.984	76.20
10214	12.70	12.70	0.437	50.80
10215	25.40	25.40	1.748	101.60
10216	9.53	9.53	0.246	38.10
10217	31.75	31.75	2.732	127.00
10218	38.10	38.10	3.934	152.40
10219	44.45	44.45	5.354	177.80
10220	7.80	7.80	0.165	31.20
10221	15.88	15.88	0.683	63.52
10222	48.00	48.00	6.244	192.00
10223	7.20	7.20	0.141	28.80
10224	50.80	50.80	6.994	203.20
10225	20.00	20.00	1.084	80.00
10226	10.00	10.00	0.271	40.00
10227	18.00	18.00	0.878	72.00

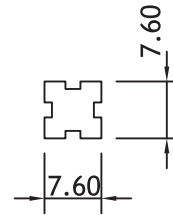
OTHER SQUARE

SOLID



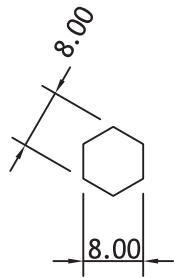
10308

W = 0.208 kg/m
PER = 36.19 mm



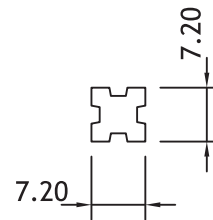
10310

W = 0.135 kg/m
PER = 39.20 mm



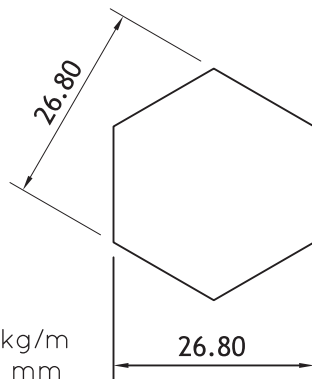
10311

W = 0.150 kg/m
PER = 27.72 mm



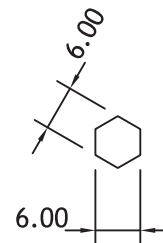
10312

W = 0.114 kg/m
PER = 36.14 mm



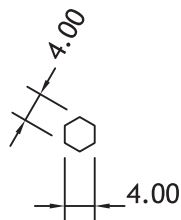
10313

W = 1.686 kg/m
PER = 92.84 mm



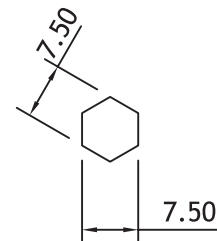
10314

W = 0.085 kg/m
PER = 20.78 mm



10315

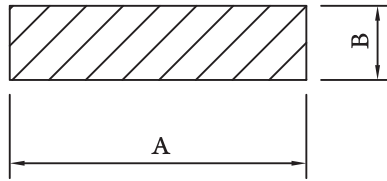
W = 0.038 kg/m
PER = 13.86 mm



10316

W = 0.132 kg/m
PER = 25.98 mm

RECTANGULAR



SECTION	DIMENSION		WETGHT	PERIMETER
NO	A	B	KG/M	MM
10 402	12.00	0.90	0.029	25.80
10 403	18.50	0.90	0.045	38.80
10 404	23.50	0.90	0.057	48.80
10 405	20.00	2.50	0.136	45.00
10 406	40.00	2.50	0.271	85.00
10 407	25.00	2.80	0.190	55.60
10 408	25.00	2.90	0.197	55.80
10 409	50.00	6.00	0.813	112.00
10 410	25.00	2.00	0.136	54.00
10 411	38.00	3.00	0.309	82.00
10 412	19.05	9.525	0.492	57.15
10 413	38.10	4.50	0.465	85.20
10 414	63.50	4.50	0.774	136.00
10 415	76.20	4.50	0.929	161.40
10 416	63.50	9.00	1.549	145.00
10 417	101.60	9.525	2.623	222.25
10 418	63.50	12.00	2.065	151.00
10 419	76.20	12.00	2.478	176.40
10 420	101.60	12.00	3.304	227.20
10 421	50.80	15.875	2.186	133.35
10 422	50.80	25.40	3.497	152.40
10 423	101.60	25.40	6.994	254.00
10 424	12.70	2.80	0.096	31.00
10 425	12.70	4.70	0.162	34.80
10 426	12.70	5.80	0.200	37.00
10 427	25.40	4.50	0.310	59.80
10 428	50.80	12.00	1.652	125.60
10 429	101.60	4.50	1.239	212.20

RECTANGULAR

SOLID

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	A	B	KG/M	MM
10430	19.05	4.50	0.232	47.10
10431	25.40	1.00	0.069	52.80
10432	38.10	5.80	0.599	87.80
10433	50.80	5.80	0.799	113.20
10434	63.50	2.90	0.499	132.80
10435	63.50	5.80	0.998	138.60
10436	76.20	2.90	0.599	158.20
10437	76.20	5.80	1.198	164.00
10438	50.80	4.50	0.620	110.60
10439	38.10	12.00	1.240	100.20
10440	127.00	12.70	4.371	279.40
10441	101.60	15.875	4.371	234.95
10442	63.50	25.40	4.371	177.80
10443	76.20	9.00	1.859	170.40
10444	50.80	19.00	2.616	139.60
10445	31.75	1.00	0.086	65.50
10446	38.10	1.00	0.103	78.20
10448	101.60	5.80	1.597	214.80
10449	101.60	8.80	2.423	220.80
10450	31.75	4.50	0.387	72.50
10451	19.05	2.80	0.145	43.70
10452	101.60	0.90	0.248	205.00
10453	152.40	6.35	2.623	317.50
10454	19.00	6.00	0.309	50.00
10455	31.75	3.00	0.258	69.50
10456	25.40	9.525	0.656	69.50
10457	25.40	12.70	0.874	76.20
10458	38.10	6.00	0.620	88.20
10459	63.50	6.00	1.033	139.00
10460	76.20	6.00	1.239	164.40
10461	25.40	5.80	0.399	62.40
10462	101.60	2.90	0.798	209.00
10463	82.55	10.00	2.237	185.10
10464	38.10	15.875	1.639	107.95

RECTANGULAR

SOLID

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	A	B	KG/M	MM
10465	101.60	19.05	5.245	241.30
10466	31.75	5.80	0.499	75.10
10467	38.10	19.00	1.962	114.20
10468	50.80	2.90	0.399	107.40
10469	50.80	9.00	1.239	119.60
10470	38.10	9.00	0.929	94.20
10471	152.40	152.40	2.478	316.80
10472	19.05	1.50	0.077	41.10
10473	31.75	9.00	0.774	81.50
10474	25.40	1.50	0.103	53.80
10475	50.80	9.50	1.308	120.60
10476	76.20	9.50	1.962	171.40
10477	76.20	12.70	2.623	177.80
10478	101.60	6.35	1.748	215.90
10479	50.80	6.35	0.874	114.30
10480	101.60	12.70	3.497	228.60
10481	101.60	6.00	1.652	215.20
10482	50.80	6.00	0.826	113.60
10483	12.70	1.60	0.055	28.60
10484	15.80	2.90	0.124	37.40
10485	42.00	2.00	0.228	88.00
10486	43.00	2.00	0.233	90.00
10487	150.00	15.00	6.100	330.00
10489	24.00	16.00	1.041	80.00
10490	17.20	12.00	0.559	58.40
10491	60.00	2.00	0.325	124.00
10492	32.00	2.00	0.173	68.00
10493	152.40	9.00	3.717	322.80
10494	19.05	9.00	0.465	56.10
10495	25.40	2.80	0.193	56.40
10496	12.70	2.40	0.083	30.20
10497	50.80	1.20	0.165	104.00
10498	38.10	19.05	1.967	114.30
10499	22.00	2.20	0.131	48.40

RECTANGULAR

SOLID

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	A	B	KG/M	MM
10502	19.05	2.00	0.103	42.10
10504	19.05	3.18	0.164	44.46
10506	24.00	6.35	0.413	60.70
10507	35.60	4.60	0.444	234.56
10508	36.10	4.10	0.401	79.88
10509	35.90	7.40	0.720	86.60
10511	82.80	5.60	1.256	176.11
10516	36.00	2.00	0.195	75.00
10517	25.40	3.18	0.219	57.15
10518	38.10	3.18	0.328	82.55
10519	50.80	3.18	0.438	107.95
10520	31.75	9.525	0.820	82.55
10521	38.10	9.525	0.984	95.25
10522	25.40	15.875	1.093	82.55
10523	31.75	15.875	1.366	95.25
10524	25.40	6.35	0.437	63.50
10525	38.10	6.35	0.656	88.90
10526	38.10	12.70	1.311	101.60
10527	50.80	12.70	1.748	127.00
10528	63.50	12.70	2.186	152.40
10529	76.20	50.80	10.490	254.00
10530	46.60	5.60	0.707	104.40
10531	41.00	2.50	0.278	87.00
10532	55.05	6.80	1.015	123.70
10533	17.00	4.00	0.184	40.28
10534	127.00	20.00	6.883	294.00
10537	25.40	3.00	0.206	56.80
10538	101.60	9.00	2.478	221.20
10539	127.00	9.50	3.270	273.00
10540	152.40	9.50	3.924	323.80
10542	16.00	2.00	0.087	36.00
10543	19.05	3.00	0.155	44.10
10544	31.75	6.35	0.546	76.20
10545	88.90	6.35	1.530	190.50

RECTANGULAR

SOLID

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	A	B	KG/M	MM
10546	19.05	12.70	0.656	63.50
10547	31.75	12.70	1.093	88.90
10548	88.90	12.70	3.060	203.20
10549	31.75	19.05	1.639	101.60
10550	88.90	19.05	4.590	215.90
10551	88.90	9.525	2.295	196.85
10560	25.40	19.05	1.311	88.90
10561	38.10	25.40	2.623	157.00
10562	38.10	31.75	3.278	139.70
10564	50.80	7.94	1.093	117.48
10565	19.05	4.75	0.245	47.60
10566	127.00	15.875	5.464	285.75
10567	76.20	6.00	1.239	164.40
10568	127.00	6.00	2.065	266.00
10569	63.50	4.76	0.819	136.52
10570	63.50	15.875	2.732	158.75
10571	76.20	15.875	3.278	184.15
10572	63.50	19.05	3.278	165.10
10573	25.40	6.00	0.413	62.80
10574	31.75	6.00	0.516	75.50
10575	152.40	12.70	5.245	330.20
10576	70.00	5.00	0.949	150.00
10577	63.50	19.05	3.278	165.10
10578	12.70	6.00	0.207	37.40
10579	63.50	8.00	1.377	143.00
10580	88.90	8.00	1.927	193.80
10581	101.60	8.00	2.203	219.20
10582	63.50	9.525	1.639	146.05
10583	76.20	25.40	5.245	203.20
10585	76.20	19.05	3.934	190.50
10586	12.70	9.53	0.328	44.46
10587	25.40	7.94	0.547	66.68
10588	31.75	7.94	0.683	79.38
10589	38.10	7.94	0.820	92.08

RECTANGULAR

SOLID

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	A	B	KG/M	MM
10590	76.20	7.94	1.640	168.28
10591	31.75	4.76	0.410	73.02
10592	50.80	4.76	0.655	111.12
10593	76.20	4.76	0.983	161.92
10594	76.20	9.525	1.967	171.45
10595	88.90	15.875	3.825	209.55
10596	25.40	4.76	0.328	60.32
10597	80.00	8.00	1.734	176.00
10598	44.45	25.40	3.060	139.70
10599	44.45	15.875	1.912	120.65
10600	50.80	40.00	5.507	181.60
10601	50.80	32.00	4.405	165.60
10602	82.55	19.05	4.262	203.20
10603	63.50	32.00	5.507	191.00
10604	22.00	2.00	0.119	48.00
10605	44.45	9.525	1.147	107.95
10606	21.00	11.90	0.677	68.50
10607	101.60	31.75	8.742	266.70
10608	120.00	12.00	3.902	264.00
10609	31.75	25.40	2.186	114.30
10610	80.00	26.00	5.637	212.00
10611	170.00	6.35	2.925	352.70
10612	76.20	40.00	8.260	232.40
10613	47.00	5.70	0.726	105.40
10615	44.45	12.70	1.530	114.30
10616	130.00	6.35	2.237	272.70
10617	76.20	32.00	6.608	216.40
10618	63.50	40.00	6.883	207.00
10619	101.60	40.00	11.013	283.20
10620	30.00	1.70	0.138	63.40
10621	32.00	5.00	0.434	74.00
10626	80.00	29.00	6.287	218.00
10627	65.00	52.00	9.160	234.00
10628	6.50	2.50	0.040	18.00

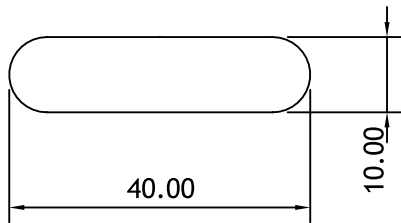
RECTANGULAR

SOLID

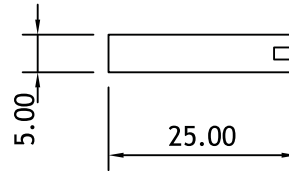
SECTION	DIMENSION		WEIGHT	PERIMETER
NO	A	B	KG/M	MM
10633	15.87	12.70	0.546	57.14
10635	23.50	3.00	0.191	53.00
10636	30.00	1.00	0.081	62.00
10639	30.00	2.00	0.163	64.00
10640	89.00	50.80	12.252	279.60

OTHER RECTANGULAR

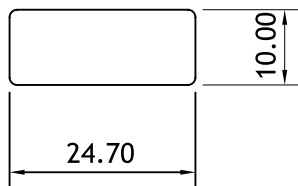
SOLID

**10488**

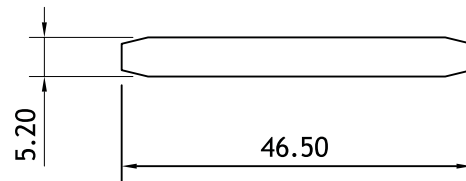
W = 1.026 kg/m
PER = 91.40 mm

**10500**

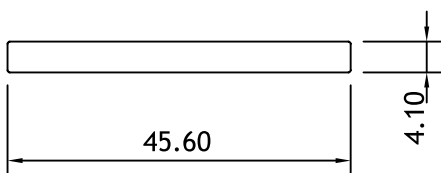
W = 0.326 kg/m
PER = 66.00 mm

**10503**

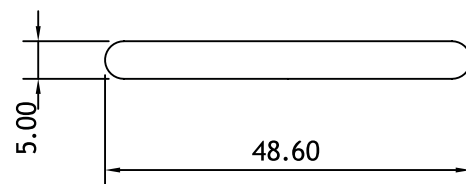
W = 0.667 kg/m
PER = 67.68 mm

**10505**

W = 0.639 kg/m
PER = 100.41 mm

**10513**

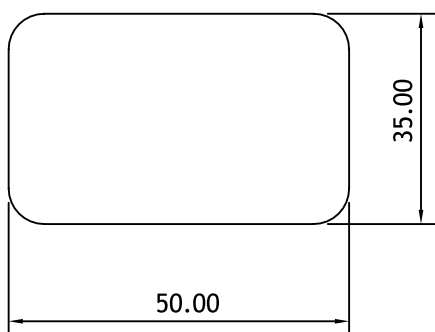
W = 0.507 kg/m
PER = 98.88 mm

**10514**

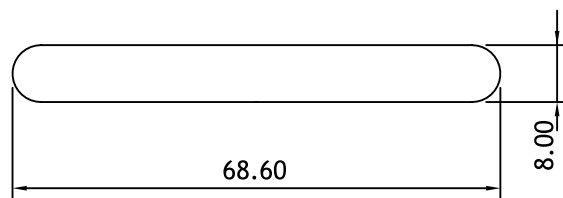
W = 0.644 kg/m
PER = 102.91 mm

OTHER RECTANGULAR

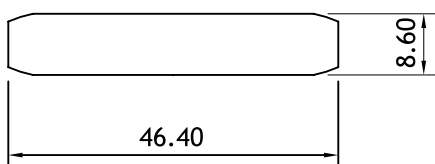
SOLID

**10501**

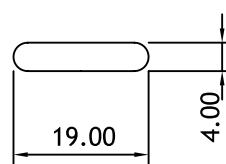
W = 4.684 kg/m
PER = 161.42 mm

**10510**

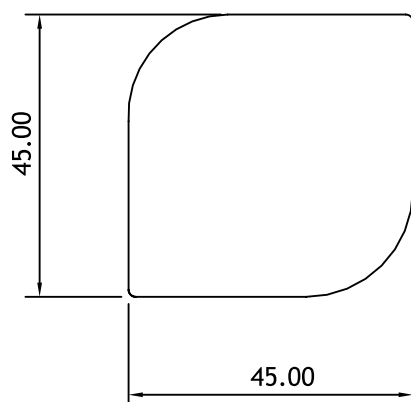
W = 1.450 kg/m
PER = 146.33 mm

**10515**

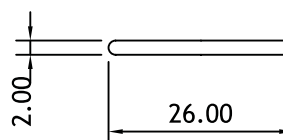
W = 1.064 kg/m
PER = 106.32 mm

**10535**

W = 0.197 kg/m
PER = 42.57 mm

**10536**

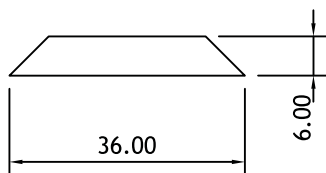
W = 5.225 kg/m
PER = 166.27 mm

**10541**

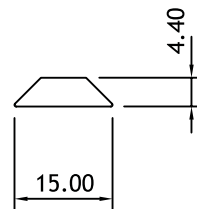
W = 0.139 kg/m
PER = 54.28 mm

OTHER RECTANGULAR

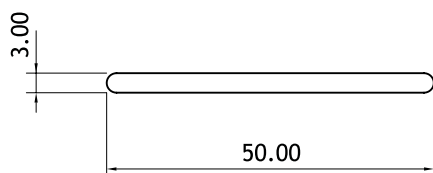
SOLID

**10563**

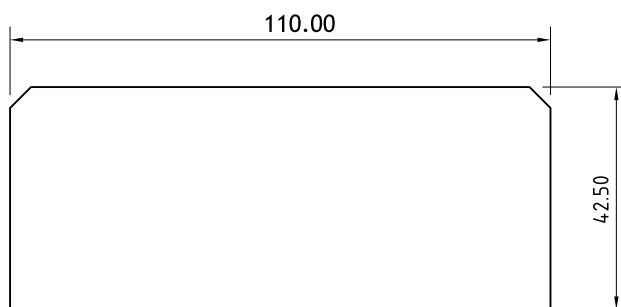
W = 0.499 kg/m
PER = 77.40 mm

**10614**

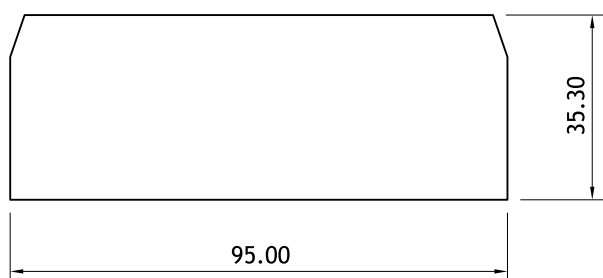
W = 0.136 kg/m
PER = 33.86 mm

**10629**

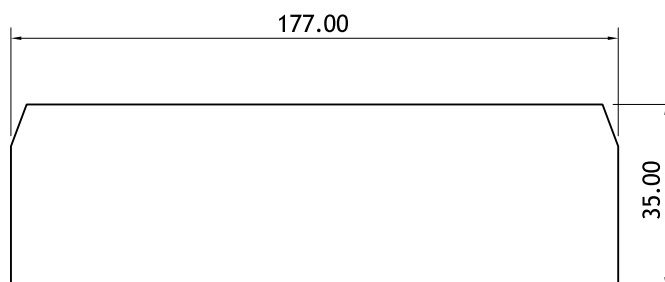
W = 0.401 kg/m
PER = 103.42 mm

**10630**

W = 12.626 kg/m
PER = 300.31 mm

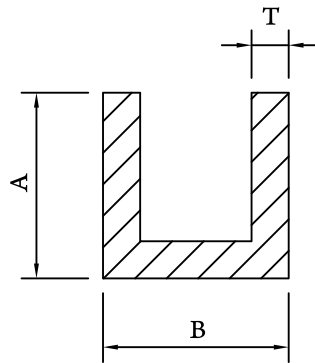
**10631**

W = 9.028 kg/m
PER = 256.01 mm

**10632**

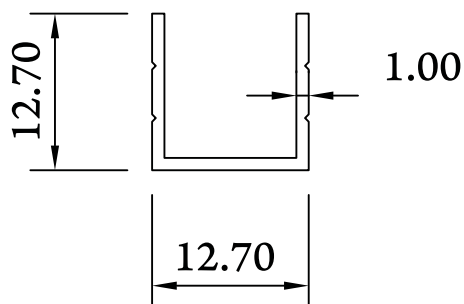
W = 16.723 kg/m
PER = 419.09 mm

EQUAL

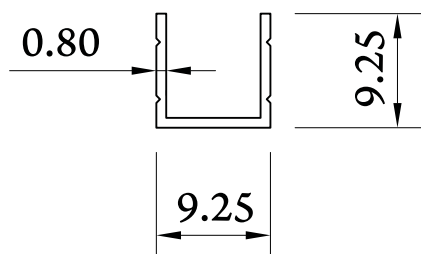


SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
11001	9.50	9.50	1.00	0.072	55.00
11001A	9.50	9.50	0.90	0.065	55.20
11003	12.70	12.70	1.00	0.098	74.20
11003A	12.70	12.70	0.90	0.089	74.40
11004	15.875	15.875	1.00	0.124	93.25
11004A	15.875	15.875	0.90	0.112	93.45
11005	19.05	19.05	1.00	0.150	112.30
11005A	19.05	19.05	0.90	0.135	112.50
11006	25.40	25.40	1.00	0.201	150.40
11006A	25.40	25.40	0.90	0.182	150.60
11007	31.75	31.75	1.00	0.253	188.50
11007A	31.75	31.75	0.90	0.228	188.70
11008	38.10	38.10	1.00	0.304	226.60
11008A	38.10	38.10	0.90	0.274	226.80
11009	50.80	50.80	1.00	0.408	302.80
11009A	50.80	50.80	0.90	0.367	303.00
11010	38.10	38.10	3.00	0.880	222.60
11011	15.50	15.50	1.50	0.177	90.00
11012	4.76	4.76	1.00	0.033	26.56
11013	38.10	38.10	2.80	0.825	223.00
11014	25.40	25.40	2.80	0.536	146.80
11405	25.00	25.00	2.90	0.544	144.20
11417	19.05	19.05	2.40	0.340	109.50
11018	19.05	19.05	1.50	0.220	113.20
11019	12.70	12.70	1.20	0.116	73.80
11020	25.40	25.40	2.00	0.391	148.40

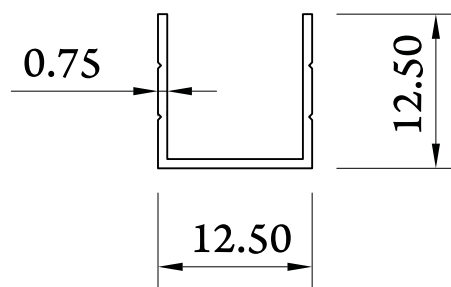
OTHER EQUAL

**11202**

W = 0.097 kg/m
PER = 75.19 mm

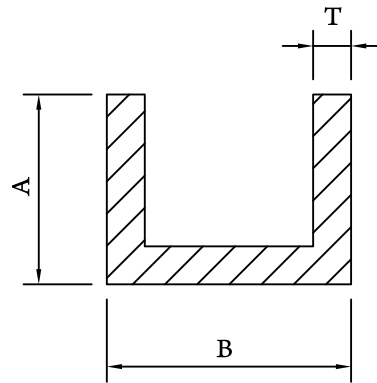
**11203**

W = 0.056 kg/m
PER = 54.89 mm

**11204**

W = 0.073 kg/m
PER = 74.33 mm

UNEQUAL

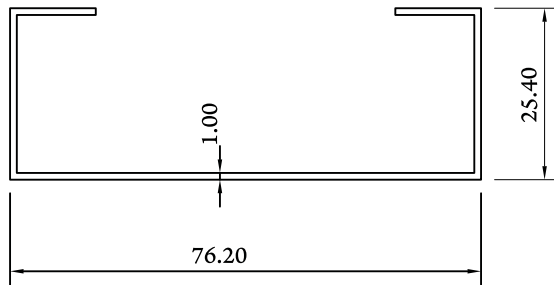


SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
11402A	12.20	25.00	1.00	0.129	96.80
11404	12.20	50.00	1.00	0.196	146.80
11406	19.00	38.00	2.90	0.552	146.20
11407	25.00	50.00	2.90	0.740	194.20
11408	25.00	75.00	2.90	0.937	244.20
11409	38.10	76.20	6.00	2.283	292.80
11410	50.80	101.60	6.00	3.109	394.40
11411	50.00	100.00	2.90	1.526	394.20
11412	24.50	75.00	1.00	0.331	246.00
11413	25.00	76.00	1.20	0.402	249.60
11414	12.70	38.10	1.00	0.167	125.00
11415	25.40	101.60	2.80	1.114	299.20
11416	38.10	76.20	5.80	2.213	193.20
11422	50.80	101.60	7.94	4.031	392.46
11422A	50.80	101.60	6.00	3.110	394.40
11430	25.40	38.10	3.00	0.674	171.80
11432	10.00	15.00	1.20	0.122	77.60
11434	12.70	25.00	1.10	0.144	98.60
11436	25.40	76.20	6.00	1.870	242.00
11438	25.00	76.00	1.00	0.336	250.00
11439	44.50	76.20	1.00	0.442	328.20
11441	25.00	100.00	1.00	0.401	298.00
11442	44.50	101.60	1.20	0.612	378.60
11446	25.00	54.80	1.40	0.387	206.80

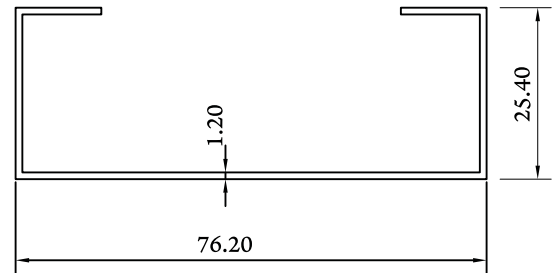
SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
11448	25.00	100.00	2.00	0.791	296.00
11449	25.40	50.80	1.00	0.270	201.20
11450	19.00	21.00	1.95	0.291	114.10
11452	50.00	100.00	20.00	8.672	360.00
11453	44.00	44.50	10.00	3.078	240.71
11454	23.00	29.00	1.20	0.236	147.60
11455	25.00	34.00	2.00	0.434	164.00
11456	14.30	15.10	1.10	0.124	85.20
11458	15.00	20.00	1.00	0.130	98.00
11459	15.00	16.50	1.00	0.121	91.00
11460	35.40	103.80	2.00	0.923	342.45
11464	50.00	100.00	5.00	2.757	390.00
30146	50.80	101.60	3.00	1.603	400.40
11467	50.80	76.20	6.00	2.696	343.60
11468	38.10	76.20	3.00	1.190	298.80
11469	20.00	35.00	1.15	0.226	148.20
11470	32.00	50.80	4.50	1.290	220.60
11472	25.40	50.80	6.00	1.457	191.20
11473	25.40	101.60	6.00	2.283	292.80
11474	20.00	29.00	2.00	0.350	132.71
11478	15.875	15.00	1.00	0.121	91.50
11480	9.50	10.30	1.40	0.092	56.60
11481	19.05	101.60	1.00	0.373	277.40
11482	28.00	22.00	28.00	0.320	150.99
11483	20.00	63.00	20.00	0.327	203.60
11484	25.00	100.00	25.00	0.441	297.80

OTHER UNEQUAL

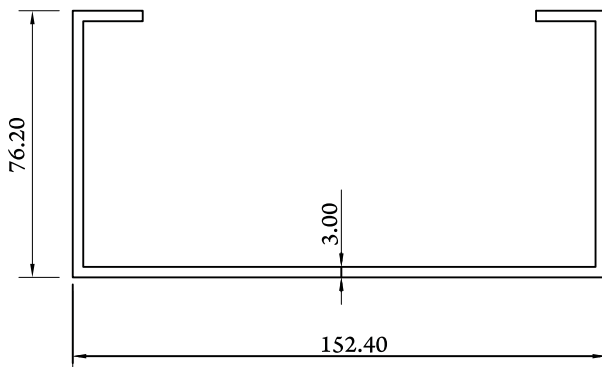
CHANNEL

**11501**

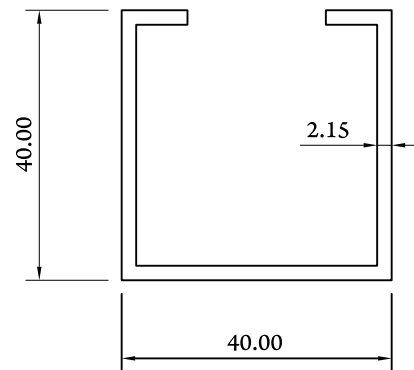
W = 0.402 kg/m
PER = 298.20 mm

**11501A**

W = 0.480 kg/m
PER = 296.00 mm

**11015**

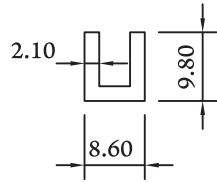
W = 2.706 kg/m
PER = 671.60 mm

**11017**

W = 0.763 kg/m
PER = 266.10 mm

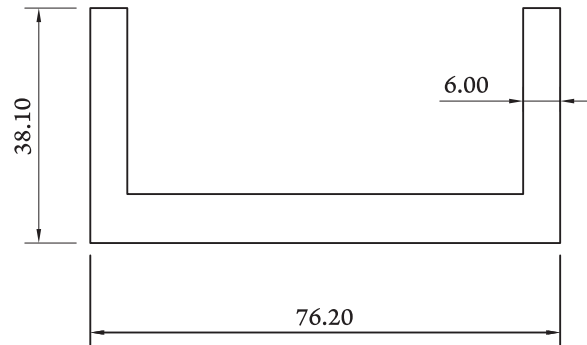
OTHER UNEQUAL

CHANNEL



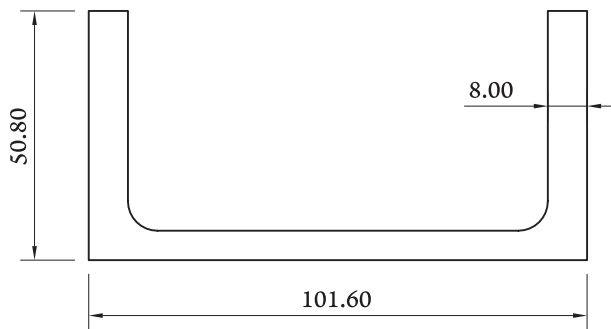
11016

W = 0.137 kg/m
PER = 52.20 mm



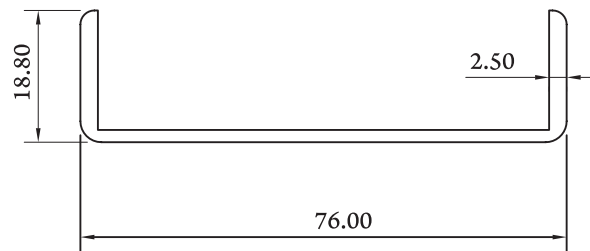
11409A

W = 2.620 kg/m
PER = 288.92 mm



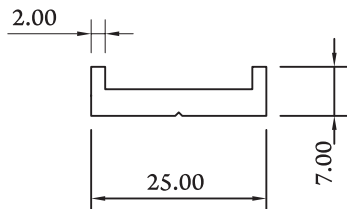
11422A

W = 3.636 kg/m
PER = 389.25 mm



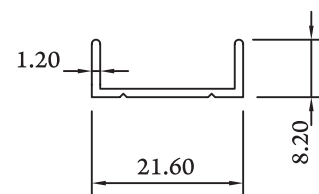
11433

W = 0.581 kg/m
PER = 219.40 mm



11435

W = 0.292 kg/m
PER = 75.50 mm

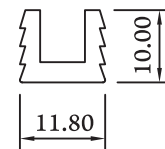
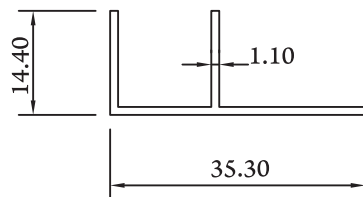
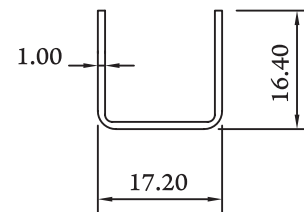
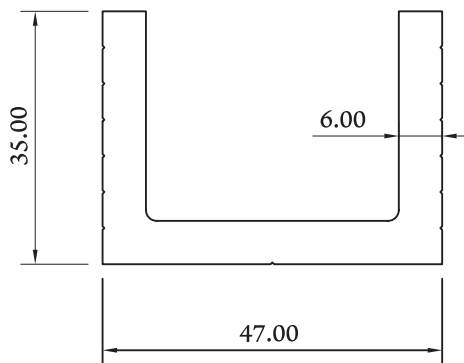
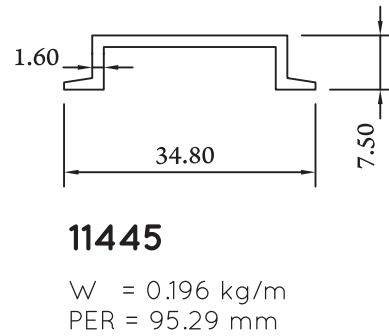
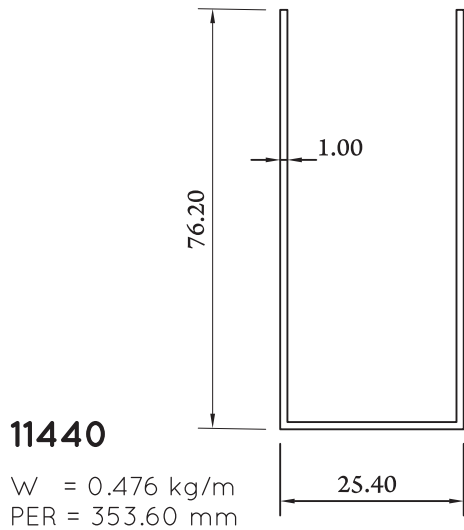


11437

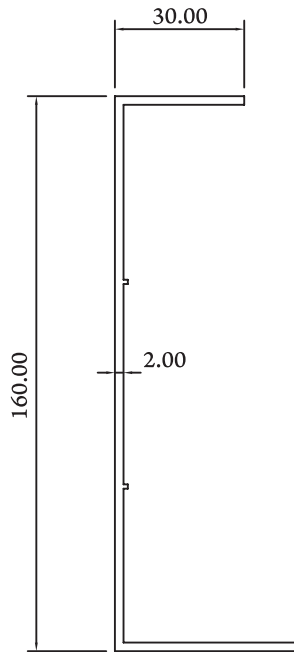
W = 0.114 kg/m
PER = 73.40 mm

OTHER UNEQUAL

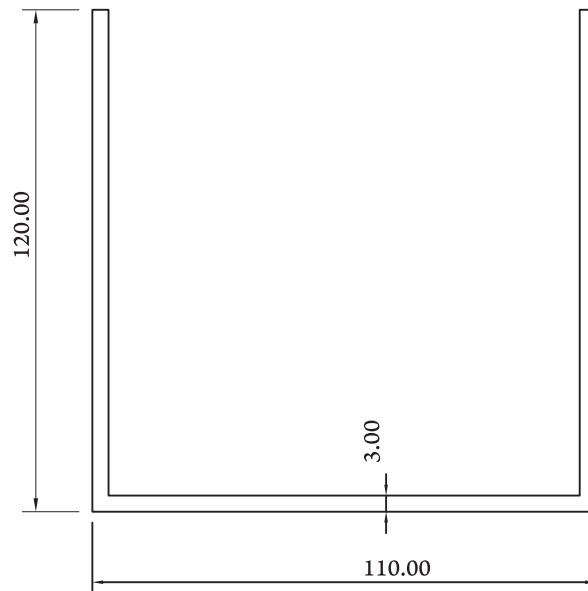
CHANNEL



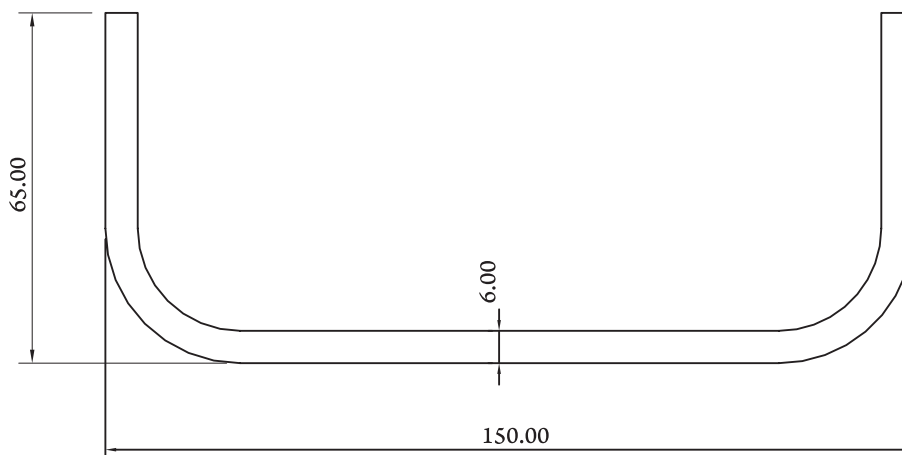
OTHER UNEQUAL

**11444**

W = 1.030 kg/m
PER = 465.00 mm

**11461**

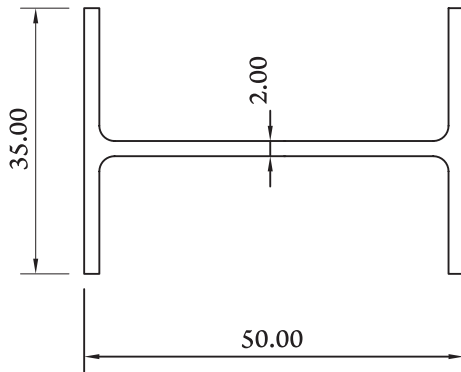
W = 2.797 kg/m
PER = 694.00 mm

**11465**

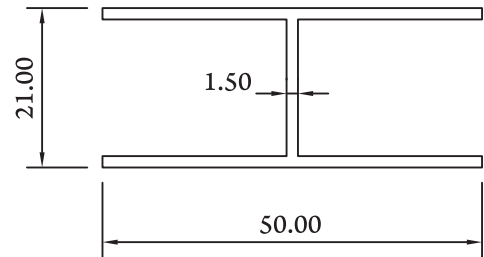
W = 4.051 kg/m
PER = 510.23 mm

OTHER UNEQUAL

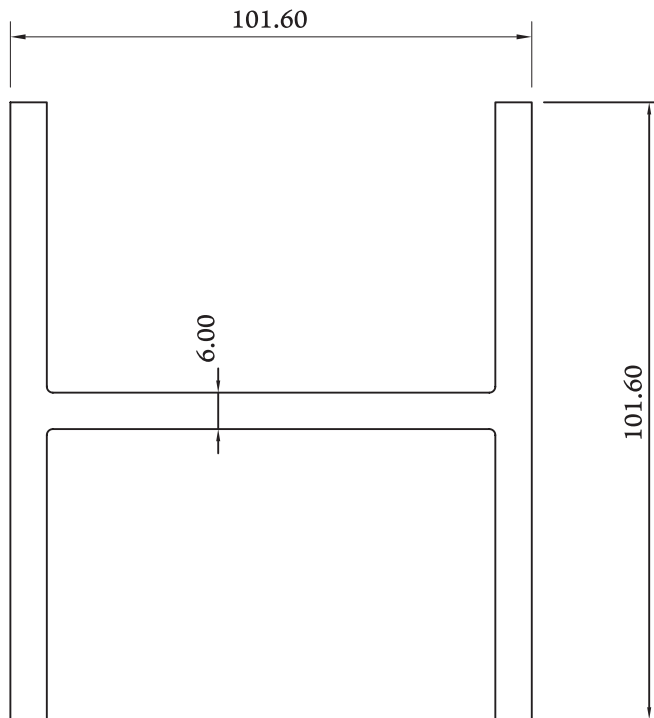
CHANNEL

**11101**

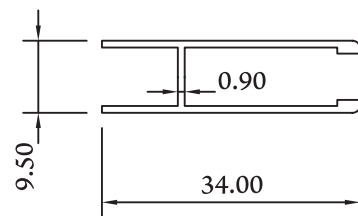
W = 0.638 kg/m
PER = 232.56 mm

**11102**

W = 0.480 kg/m
PER = 239.00 mm

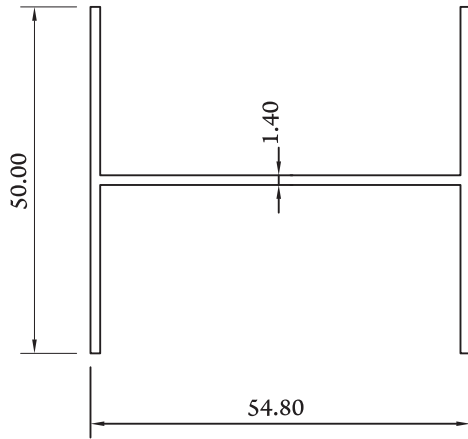
**11105**

W = 4.763 kg/m
PER = 595.88 mm

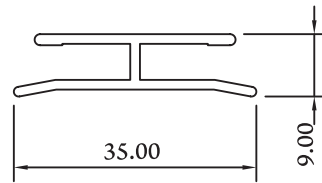
**11106**

W = 0.196 kg/m
PER = 155.54 mm

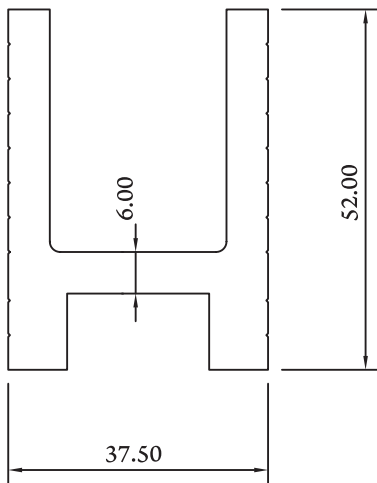
OTHER UNEQUAL

**11107**

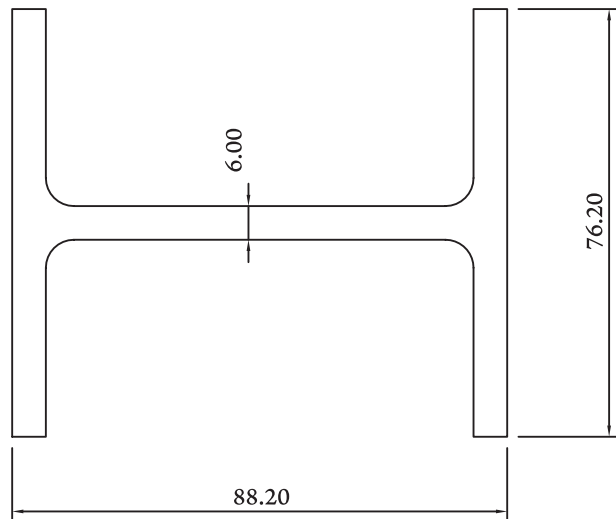
W = 0.577 kg/m
PER = 306.80 mm

**11108**

W = 0.265 kg/m
PER = 139.79 mm

**11109**

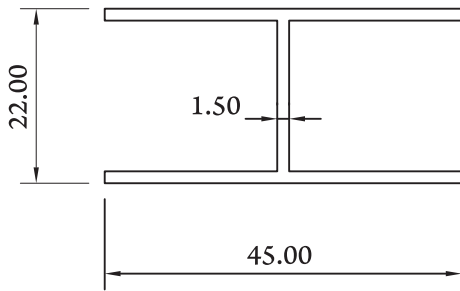
W = 2.254 kg/m
PER = 273.65 mm

**11110**

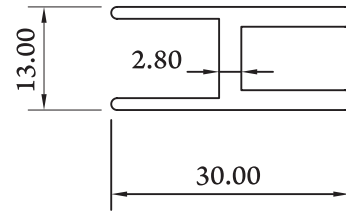
W = 3.775 kg/m
PER = 460.62 mm

OTHER UNEQUAL

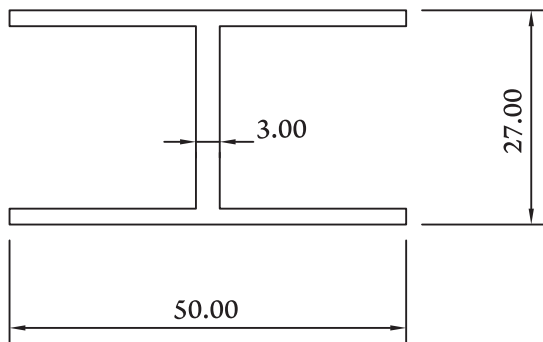
CHANNEL

**11111**

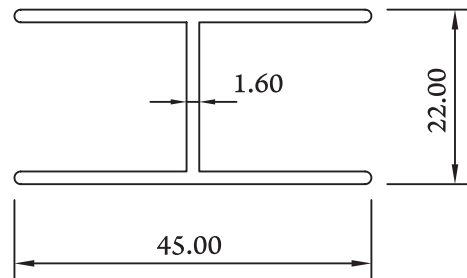
W = 0.443 kg/m
PER = 221.00 mm

**11113**

W = 0.392 kg/m
PER = 138.25 mm

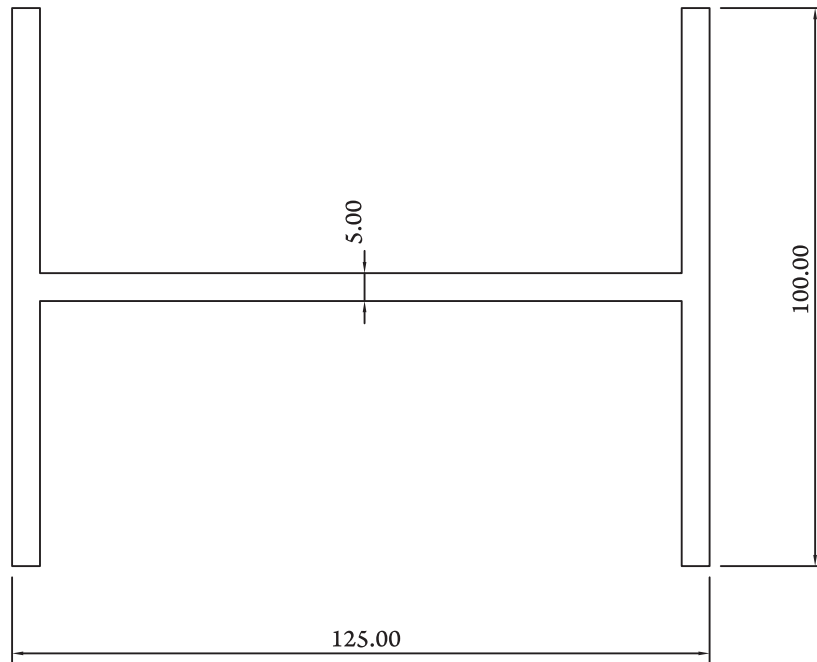
**11114**

W = 0.729 kg/m
PER = 248.00 mm

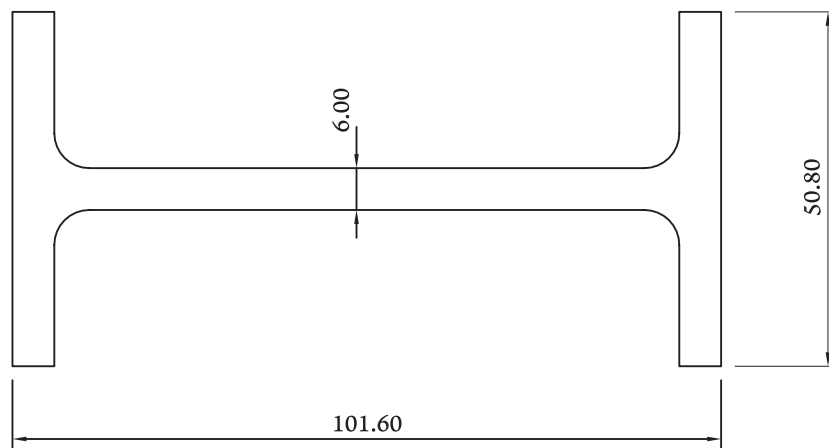
**11116**

W = 0.469 kg/m
PER = 218.05 mm

OTHER UNEQUAL

**11112**

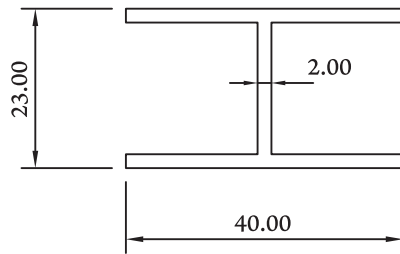
W = 4.268 kg/m
PER = 640.00 mm

**11115**

W = 3.167 kg/m
PER = 385.82 mm

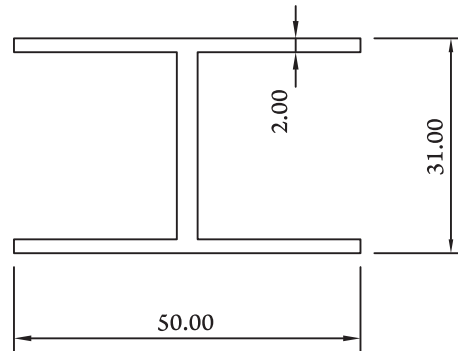
OTHER UNEQUAL

CHANNEL



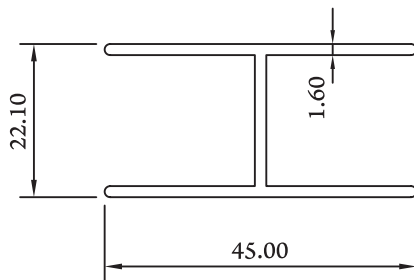
11117

W = 0.537 kg/m
PER = 202.00 mm



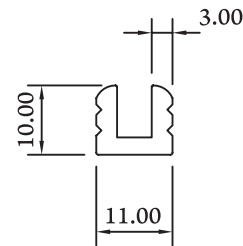
11118

W = 0.762 kg/m
PER = 256.00 mm



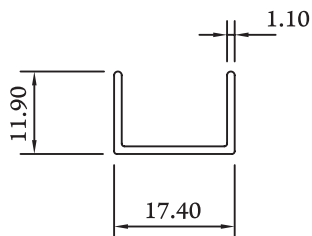
11119

W = 0.472 kg/m
PER = 218.15 mm



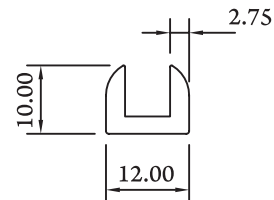
11471A

W = 0.183 kg/m
PER = 56.89 mm



11475

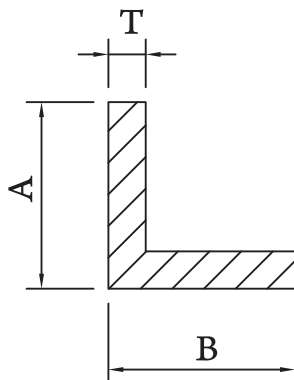
W = 0.116 kg/m
PER = 78.57 mm



11477

W = 0.174 kg/m
PER = 54.75 mm

EQUAL



ANGLE

SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
12001	9.50	9.50	1.00	0.049	38.00
12001A	9.50	9.50	0.90	0.044	38.00
12002	12.70	12.70	1.00	0.066	50.80
12002A	12.70	12.70	0.90	0.060	50.80
12003	15.80	15.80	1.00	0.083	63.50
12003A	15.80	15.80	0.90	0.075	63.50
12004	19.05	19.05	1.00	0.101	76.20
12004A	19.05	19.05	0.90	0.091	76.20
12006	25.40	25.40	1.00	0.135	101.60
12006A	25.40	25.40	0.90	0.122	101.60
12007	31.75	31.75	1.00	0.169	127.00
12007A	31.75	31.75	0.90	0.153	127.00
12008	38.10	38.10	1.00	0.204	152.40
12008A	38.10	38.10	0.90	0.184	152.40
12009	50.80	50.10	1.00	0.273	203.20
12009A	50.80	50.80	0.90	0.246	203.20
12010	38.10	38.10	3.00	0.595	152.40
12011	38.10	38.10	4.80	0.929	152.40
12012	19.00	19.00	2.90	0.276	76.00
12013	25.00	25.00	2.90	0.370	100.00
12014	25.00	25.00	4.50	0.555	100.00
12015	38.00	38.00	2.90	0.574	152.00
12016	50.00	50.00	4.50	1.165	200.00
12017	50.00	50.00	5.80	1.481	200.00

EQUAL

ANGLE

SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
12018	19.00	19.00	1.60	0.158	76.00
12019	25.00	25.00	2.80	0.358	100.00
12020	50.00	50.00	2.90	0.763	200.00
12021	38.00	38.00	4.50	0.872	152.00
12022	38.00	38.00	5.80	1.103	152.00
12023	38.00	38.00	6.00	1.138	152.00
12024	50.00	50.00	6.00	1.528	200.00
12025	25.40	25.40	2.00	0.264	101.60
12026	31.75	31.75	2.80	0.461	127.00
12027	63.50	63.50	6.00	1.967	254.00
12028	25.40	25.40	1.60	0.213	101.60
12029	31.75	31.75	2.00	0.333	127.00
12030	38.10	38.10	2.00	0.402	152.40
12031	76.20	76.20	2.90	1.175	304.80
12032	76.20	76.20	9.00	3.498	304.80
12033	15.88	15.88	2.90	0.227	63.52
12034	101.60	101.60	6.00	3.206	406.40
12035	76.20	76.20	6.00	2.380	304.80
12036	12.70	12.70	3.00	0.182	50.80
12037	63.50	63.50	2.90	0.975	254.00
12038	12.70	12.70	1.60	0.103	50.80
12039	44.45	44.45	3.00	0.698	177.80
12040	31.75	31.75	4.50	0.720	127.00
12041	30.00	30.00	2.80	0.434	120.00
12042	50.00	50.00	4.00	1.041	200.00
12043	100.00	100.00	4.50	2.384	400.00
12044	100.00	100.00	3.00	1.602	400.00
12045	55.00	55.00	8.15	2.250	220.00
12046	25.00	25.00	1.80	0.235	100.00
12047	50.80	50.80	2.00	0.540	203.20
12049	25.40	25.40	3.00	0.389	101.60
12051	25.40	25.40	6.00	0.729	101.60
12052	40.00	40.00	5.00	1.016	160.00
12053	101.60	101.60	9.00	4.737	406.40

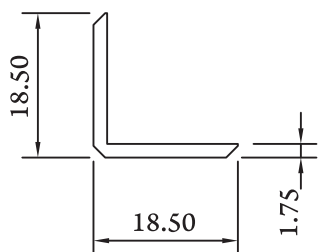
EQUAL

ANGLE

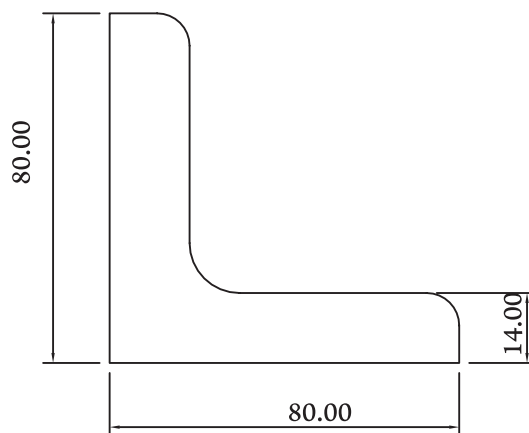
SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
12054	63.50	63.50	4.50	1.494	254.00
12055	76.20	76.20	4.50	1.804	304.80
12056	63.50	63.50	9.00	2.878	254.00
12057	50.80	50.80	9.00	2.259	203.20
12059	50.00	50.00	5.00	1.287	200.00
12060	40.00	40.00	4.00	0.824	160.00
12061	32.00	32.00	3.00	0.496	128.00
12063	31.75	31.75	6.00	0.935	127.00
12064	50.80	50.80	12.00	2.914	203.20
12065	50.80	50.80	8.00	2.029	203.20
12066	25.00	25.00	2.50	0.322	100.00
12067	65.00	65.00	6.00	2.016	260.00
12068	75.00	75.00	6.00	2.341	300.00
12069	38.00	38.00	4.00	0.781	152.00
12071	19.05	19.05	1.20	0.120	76.20
12072	22.00	22.00	5.00	0.529	88.00
12074	20.00	20.00	2.00	0.206	80.00
12075	19.05	19.05	2.00	0.299	150.00

OTHER EQUAL

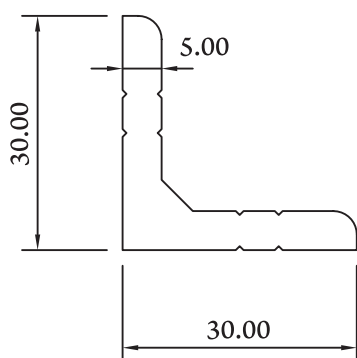
ANGLE

**12048**

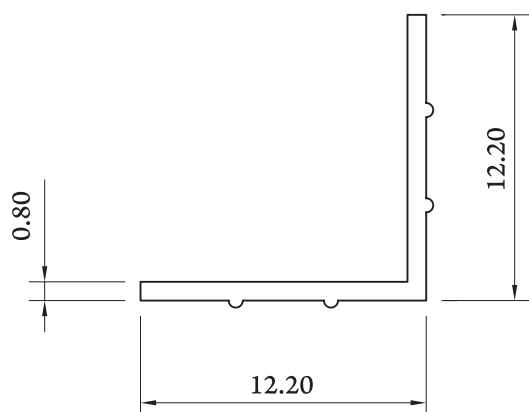
W = 0.159 kg/m
PER = 71.28 mm

**12050**

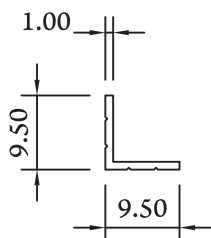
W = 5.906 kg/m
PER = 310.13 mm

**12070**

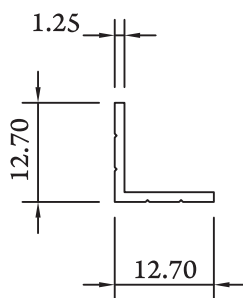
W = 0.751 kg/m
PER = 118.40 mm

**12073**

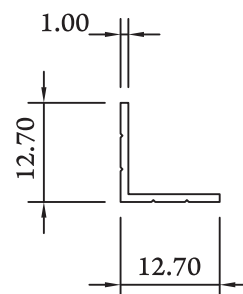
W = 0.053 kg/m
PER = 50.17 mm

**12201**

W = 0.049 kg/m
PER = 38.10 mm

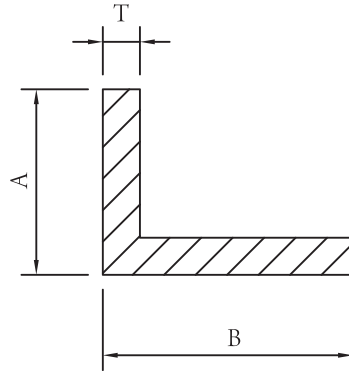
**12202**

W = 0.082 kg/m
PER = 50.80 mm

**12203**

W = 0.066 kg/m
PER = 50.80 mm

UNEQUAL



ANGLE

SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
12406	19.05	31.75	2.00	0.267	101.30
12407	19.05	38.10	2.00	0.297	114.30
12408	19.05	38.10	2.30	0.341	114.30
12409	10.00	31.00	1.40	0.150	82.00
12410	19.05	31.75	1.70	0.228	101.60
12412	25.40	101.60	1.20	0.409	254.00
12413	38.00	65.00	5.00	1.328	206.00
12414	50.00	75.00	4.50	1.469	250.00
12415	12.70	25.40	2.80	0.268	76.20
12416	19.05	38.10	2.80	0.412	114.30
12417	25.40	50.80	2.80	0.557	152.40
12418	50.80	76.20	2.80	0.942	254.00
12419	50.80	101.60	6.00	2.380	304.80
12420	76.20	101.60	6.00	2.793	355.60
12421	25.40	38.10	2.80	0.461	127.00
12423	50.80	76.20	5.80	1.905	254.00
12433	12.70	50.80	0.90	0.153	127.00
12434	20.00	25.00	3.00	0.342	90.00
12435	25.40	101.60	2.80	0.942	254.00
12436	12.70	50.80	1.50	0.252	127.00
12437	38.10	50.80	6.00	1.348	177.80
12438	10.00	15.00	1.50	0.096	50.00
12439	25.40	76.20	2.80	0.750	203.20
12440	22.60	38.10	2.50	0.388	117.74
12441	11.00	15.00	1.30	0.087	52.00

UNEQUAL

ANGLE

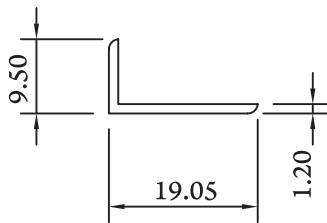
SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
12442	11.00	17.00	1.30	0.094	56.00
12443	12.00	19.00	1.50	0.120	62.00
12444	6.00	12.70	1.30	0.061	37.40
12445	76.00	150.00	6.00	3.577	452.00
12446	25.00	50.00	5.10	0.966	150.00
12447	17.00	30.00	1.80	0.221	94.00
12448	16.00	30.00	1.80	0.216	92.00
12449	14.00	16.00	1.80	0.138	60.00
12450	8.00	22.00	2.00	0.152	60.00
12451	19.00	25.00	2.00	0.228	88.00
12454	12.00	69.00	2.00	0.428	162.00
12455	12.70	19.05	1.00	0.083	63.50
12456	12.70	25.40	0.90	0.091	76.20
12457	12.70	38.10	1.00	0.135	101.60
12458	12.70	50.80	1.00	0.170	127.00
12459	25.40	38.10	1.00	0.169	127.00
12460	25.40	50.80	1.00	0.204	152.40
12461	25.40	76.20	1.00	0.273	203.20
12462	50.80	101.60	4.00	1.609	304.80
12464	12.70	25.40	1.00	0.101	76.20
12465	18.00	30.00	2.00	0.249	96.00
12466	20.00	40.00	4.00	0.607	120.00
12467	14.00	27.00	1.40	0.150	82.00
12468	45.00	60.00	3.90	1.069	210.00
12469	11.00	57.00	1.20	0.217	136.00
12471	17.50	28.50	1.70	0.204	92.00
12472	19.05	38.10	3.00	0.440	114.30
12473	38.10	76.20	6.00	1.761	228.60
12474	50.80	101.60	3.00	1.215	304.80
12475	10.00	50.00	1.50	0.238	120.00
30202	20.00	40.00	2.00	0.314	120.00
30203	30.00	70.00	2.00	0.531	200.00
12478	76.20	127.00	6.00	3.206	406.40
12480	76.20	127.00	9.00	4.737	406.40

UNEQUAL

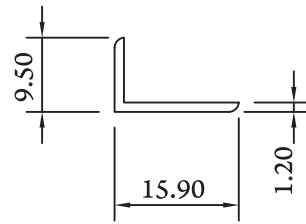
ANGLE

SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
12481	25.40	50.80	4.50	0.874	152.40
12484	25.40	127.00	3.00	0.492	127.00
12485	25.40	76.20	3.00	0.802	203.20
12486	38.10	50.80	4.50	1.029	177.80
12488	38.10	63.50	6.00	1.555	203.20
12492	30.00	48.00	3.20	0.649	156.00
30448	40.00	27.00	1.50	0.266	134.00
12495	60.00	40.00	4.00	1.041	200.00
12496	15.00	20.00	2.00	0.180	70.00
12497	12.70	101.60	1.20	0.369	228.60
12498	19.05	31.75	3.00	0.389	101.60
12499	12.00	20.00	1.50	0.124	64.00

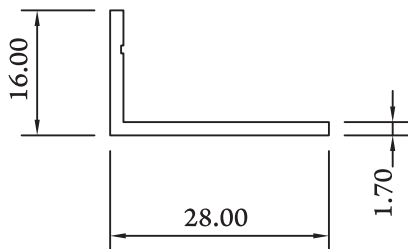
OTHER UNEQUAL

**12452**

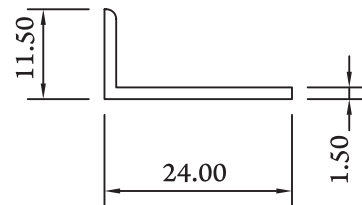
W = 0.086 kg/m
PER = 55.43 mm

**12453**

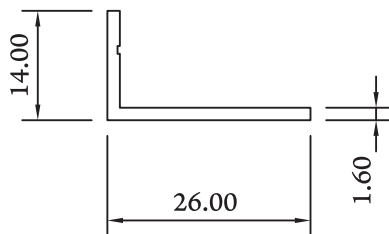
W = 0.076 kg/m
PER = 49.16 mm

**12470**

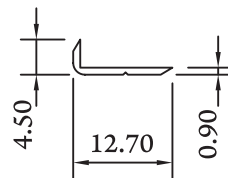
W = 0.194 kg/m
PER = 88.60 mm

**12476**

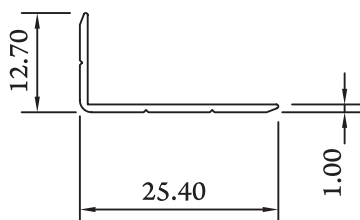
W = 0.137 kg/m
PER = 70.46 mm

**12487**

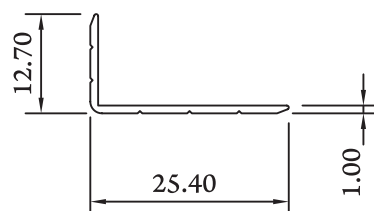
W = 0.166 kg/m
PER = 80.60 mm

**12500**

W = 0.036 kg/m
PER = 33.35 mm

**12601**

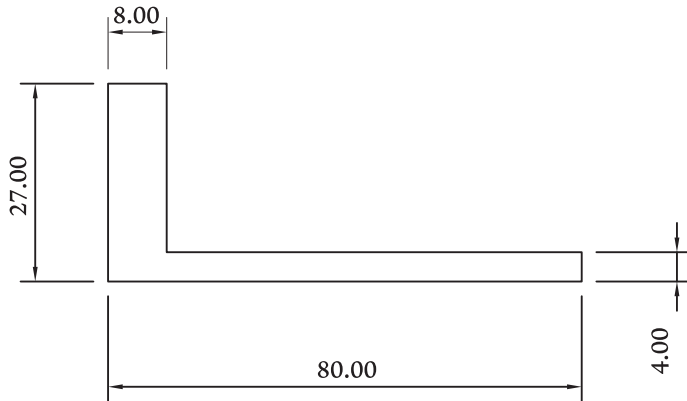
W = 0.108 kg/m
PER = 75.00 mm

**12602**

W = 0.101 kg/m
PER = 75.00 mm

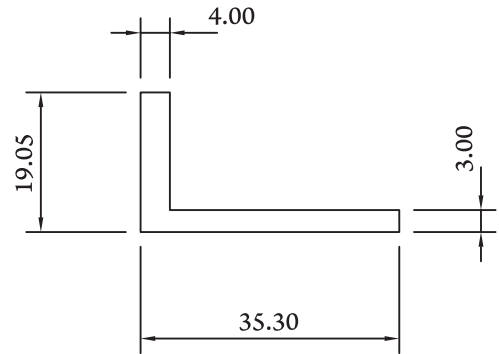
OTHER UNEQUAL

ANGLE



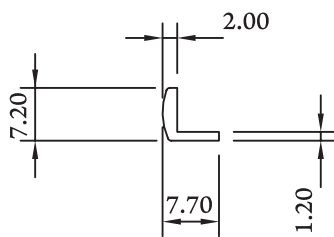
12463

W = 1.366 kg/m
PER = 214.00 mm



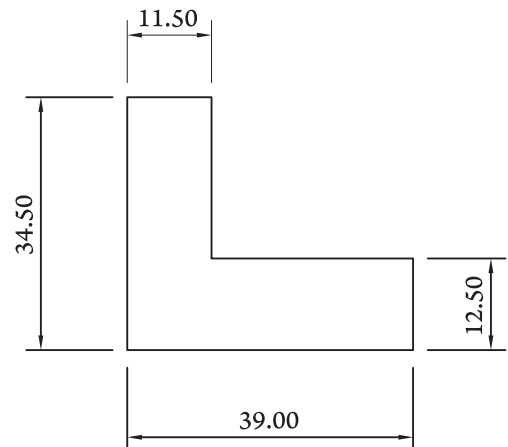
12489

W = 0.460 kg/m
PER = 109.18 mm



12491

W = 0.056 kg/m
PER = 28.33 mm

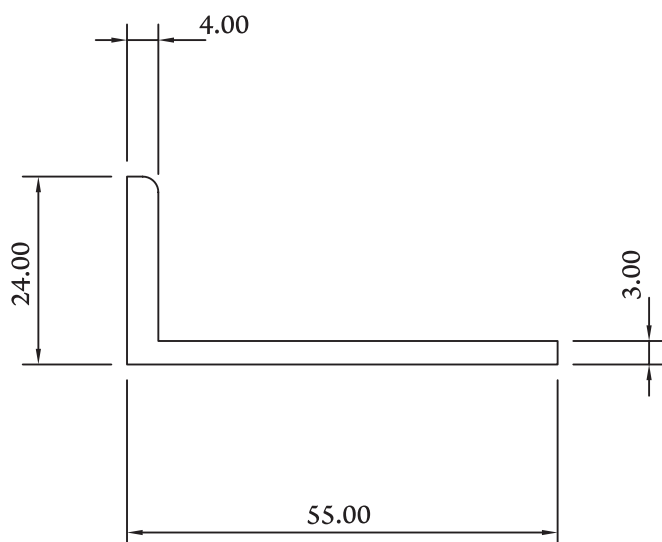


12490

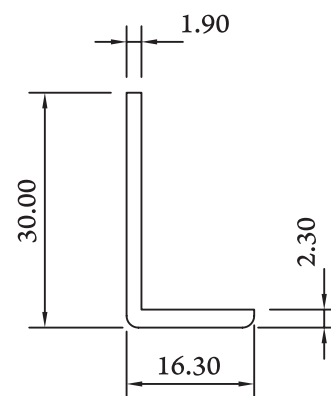
W = 2.007 kg/m
PER = 147.00 mm

OTHER UNEQUAL

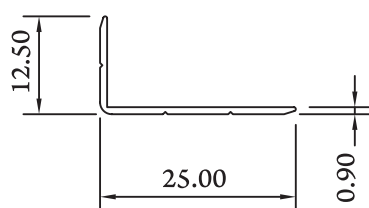
ANGLE

**12493**

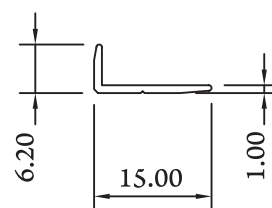
W = 0.673 kg/m
PER = 15714 mm

**12494**

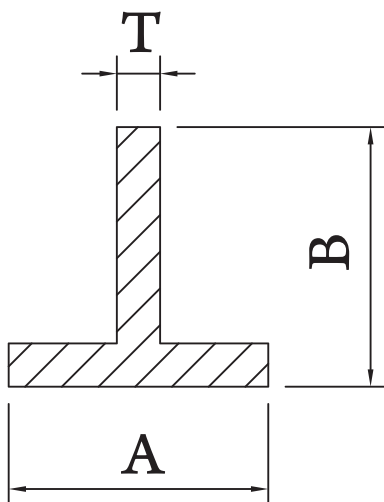
W = 0.242 kg/m
PER = 91.31 mm

**12603**

W = 0.099 kg/m
PER = 77.00 mm

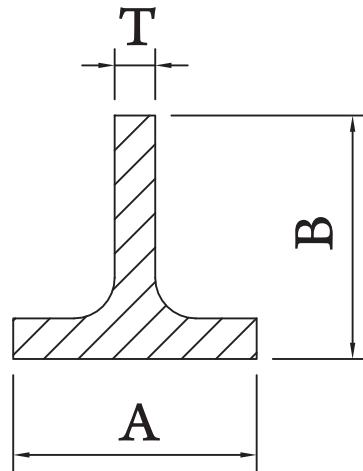
**12604**

W = 0.051 kg/m
PER = 41.15 mm

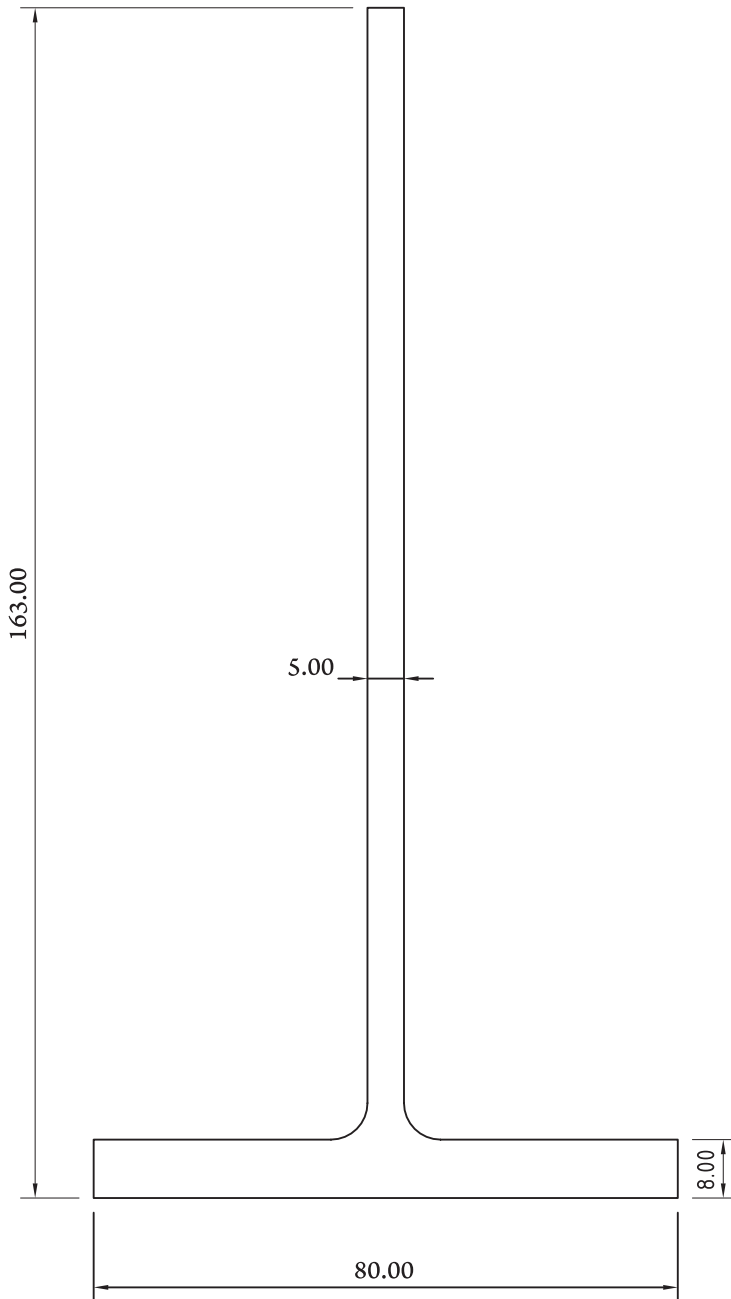


SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
13811	12.70	12.70	1.15	0.076	50.80
13814	25.40	25.40	1.15	0.155	101.60
13820	50.80	50.80	2.90	0.776	203.20
13822	38.10	38.10	2.90	0.576	152.40
13823	50.80	50.80	6.00	1.554	203.20
13826	25.40	25.40	2.90	0.376	101.60
13827	19.00	19.00	1.35	0.134	76.00
13828	60.00	60.00	6.00	1.854	231.71
13832	38.10	38.10	4.50	0.874	152.40
13833	50.80	50.80	4.50	1.184	203.20
13834	50.80	50.80	4.75	1.247	203.20
13835	63.50	63.50	6.00	1.967	254.00
13836	101.60	101.60	3.00	1.628	406.40
13845	100.00	100.00	5.00	2.642	400.00

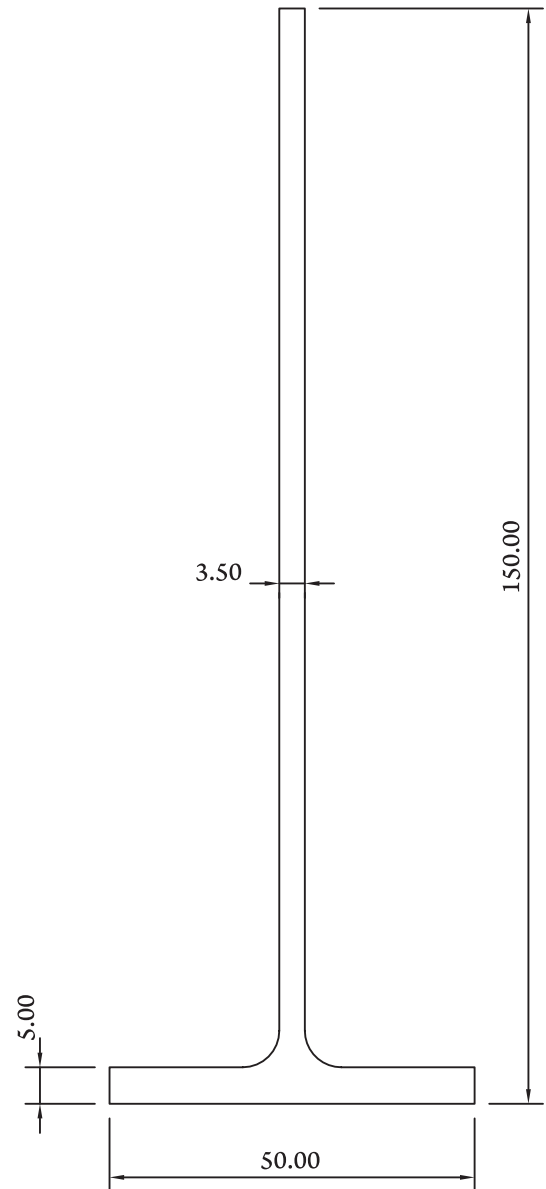
OTHER



SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
13833A	50.80	50.80	4.50	1.213	198.91
13834A	50.80	50.80	4.75	1.276	198.91
13835A	63.50	63.50	6.00	1.997	249.71
13837	65.00	150.00	6.00	3.427	425.71
13838	65.00	100.00	6.00	2.614	325.71
30145	50.80	50.80	6.00	1.584	198.91
13846	50.00	100.00	5.00	1.994	295.71
13848	50.80	50.80	3.00	0.831	198.91
13849	76.20	76.20	5.00	2.026	300.51
13850	38.10	38.10	4.50	0.904	148.11
13851	50.80	50.80	5.00	1.338	198.91
13855	60.00	60.00	6.00	1.883	235.71
13856	60.00	65.00	6.00	2.045	255.71
13857	70.00	70.00	6.00	2.208	275.71
13858	75.00	75.00	6.00	2.371	295.71
13864	32.00	54.00	4.00	0.918	167.71
13866	50.00	156.00	6.00	3.281	407.71
13869	40.00	80.00	6.00	1.883	235.71
13872	100.00	125.00	6.00	3.590	445.71

**13852**

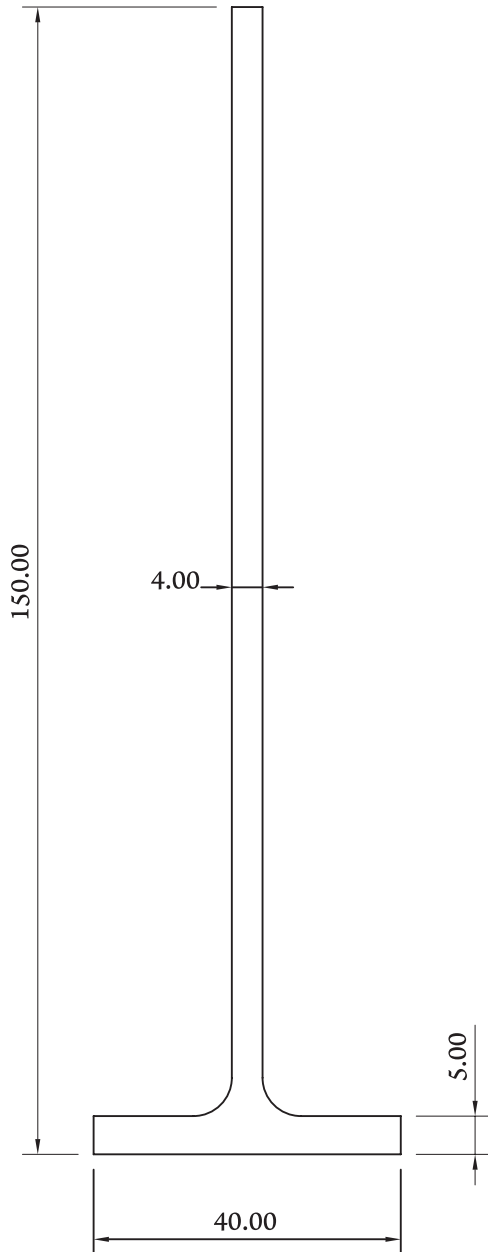
W = 3.864 kg/m
PER = 481.71 mm

**13860**

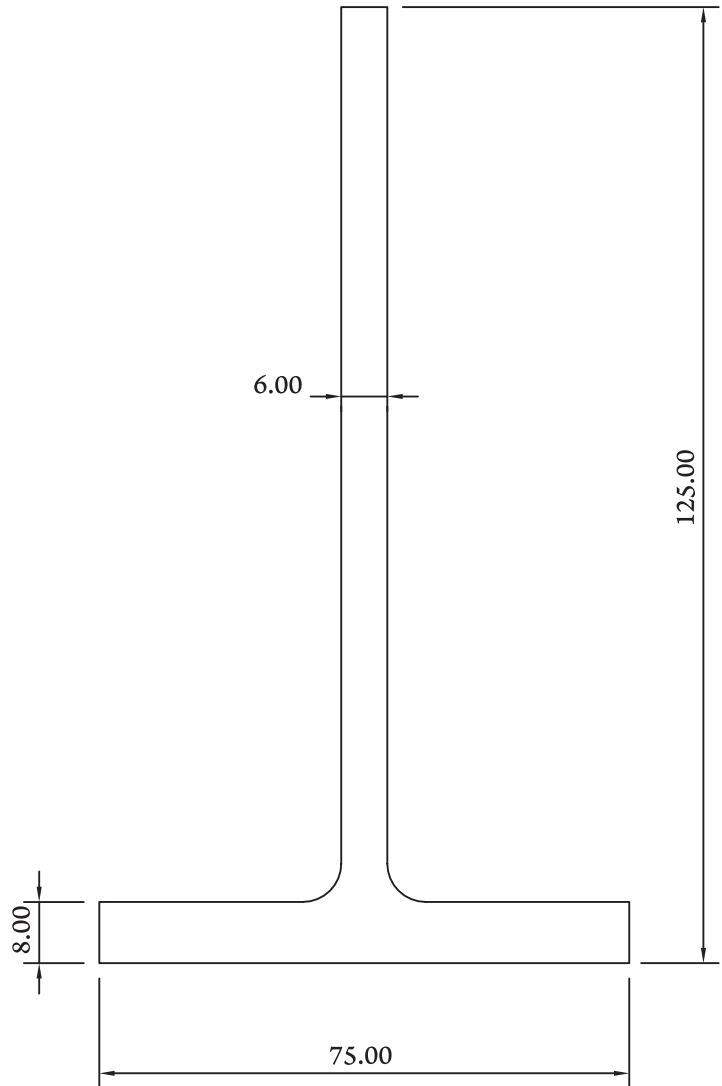
W = 2.082 kg/m
PER = 395.71 mm

OTHER

TEC

**13847**

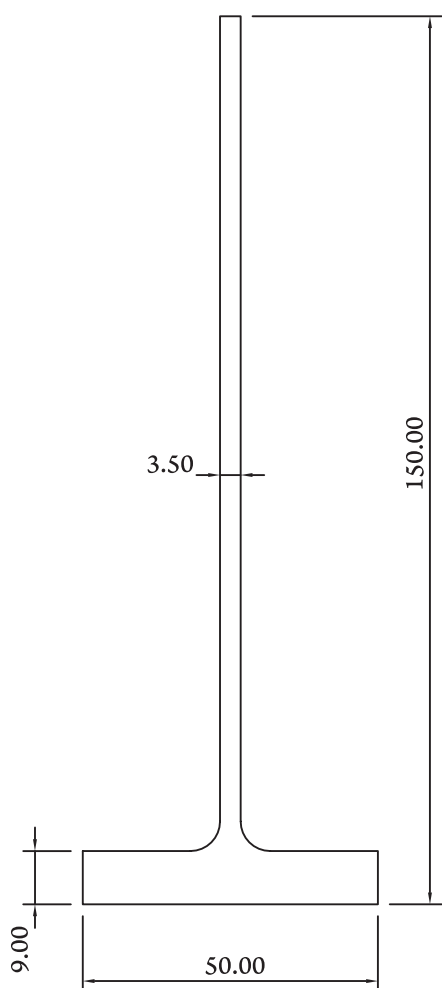
W = 2.143 kg/m
PER = 375.71 mm

**13859**

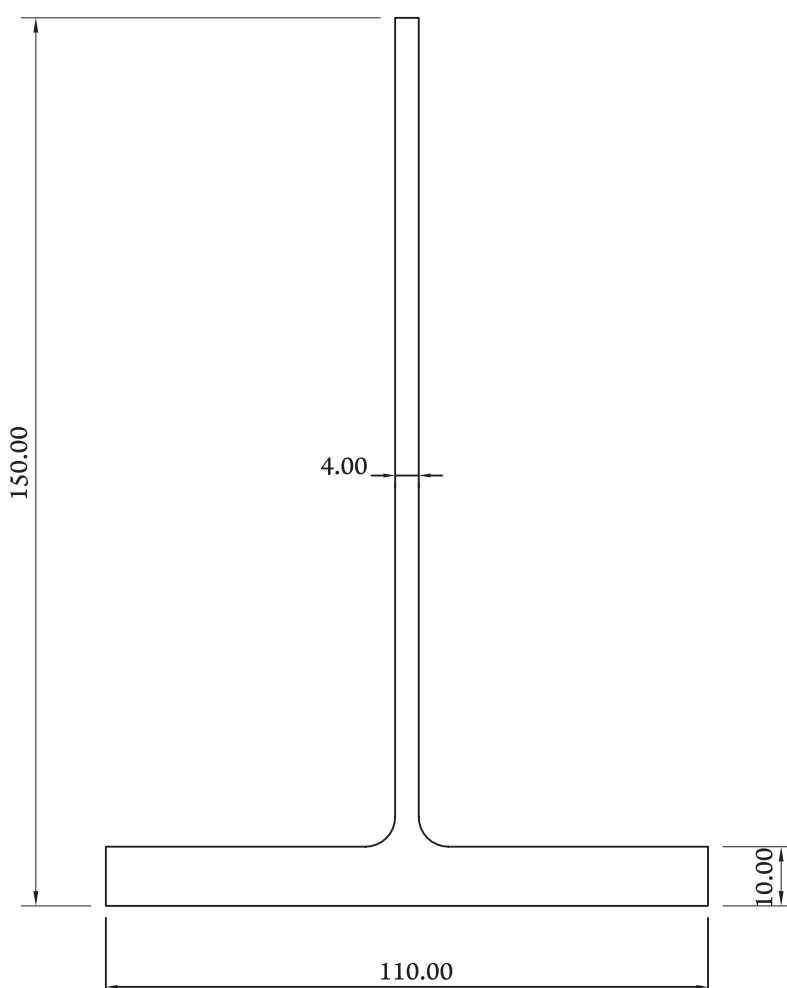
W = 3.558 kg/m
PER = 395.71 mm

OTHER

TCE

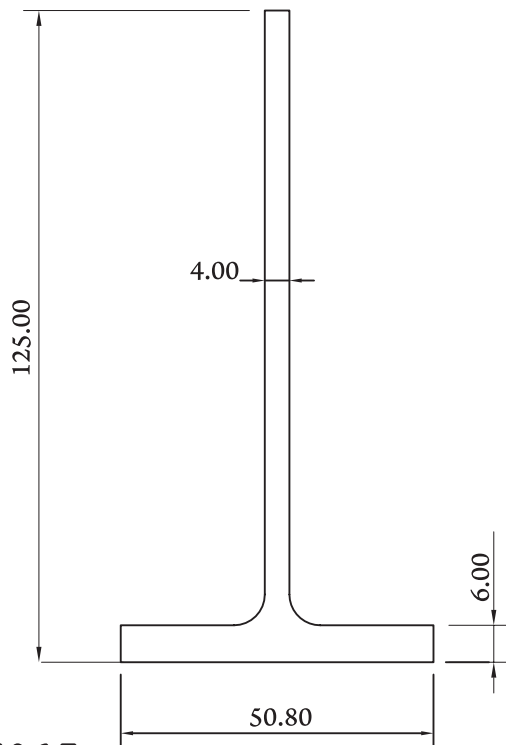
**13861**

W = 2.586 kg/m
PER = 395.71 mm

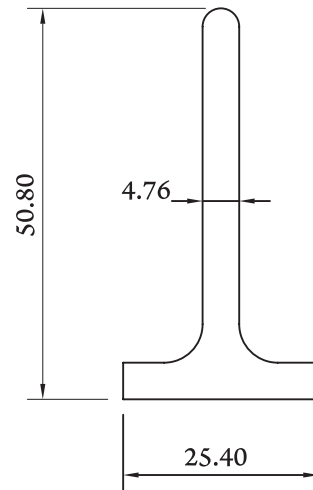
**13862**

W = 4.528 kg/m
PER = 515.71 mm

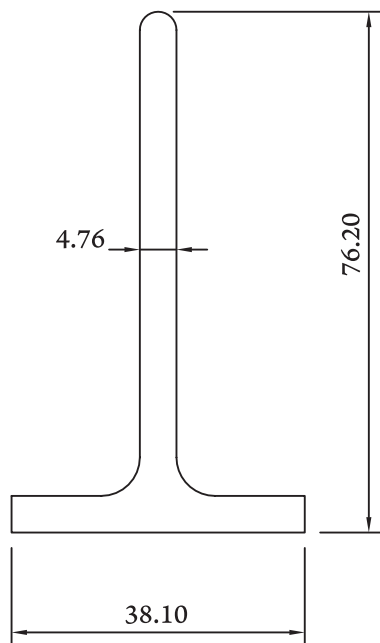
OTHER

**13865**

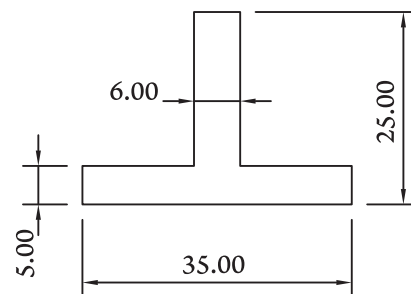
W = 2.145 kg/m
PER = 347.31 mm

**13867**

W = 0.944 kg/m
PER = 146.06 mm

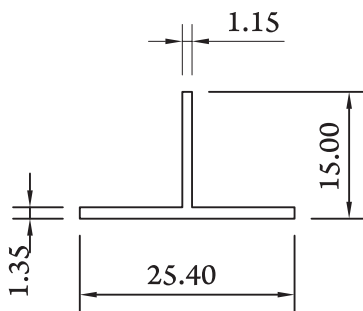
**13868**

W = 1.436 kg/m
PER = 222.26 mm

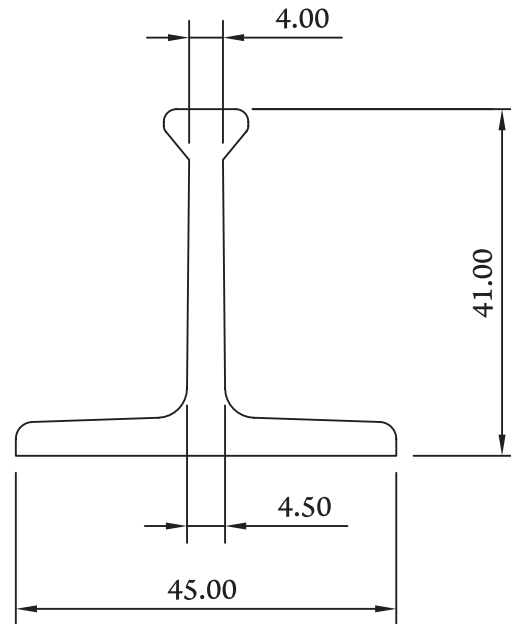
**13870**

W = 0.800 kg/m
PER = 120.00 mm

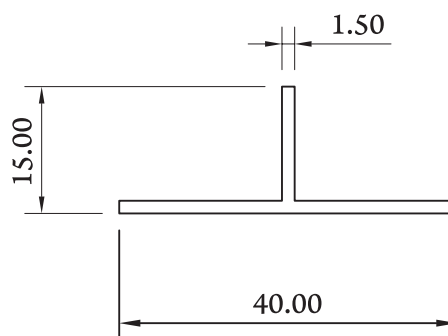
OTHER

**13813**

W = 0.135 kg/m
PER = 80.80 mm

**13871**

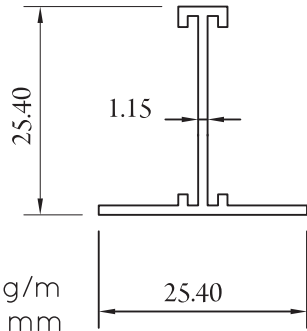
W = 0.991 kg/m
PER = 171.04 mm

**13873**

W = 0.218 kg/m
PER = 110.00 mm

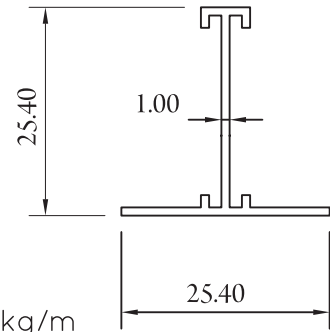
13816

W = 0.187 kg/m
PER = 122.20 mm



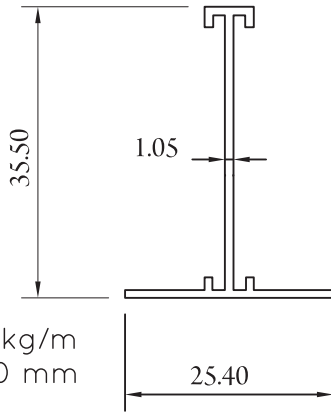
13816A

W = 0.165 kg/m
PER = 123.60 mm



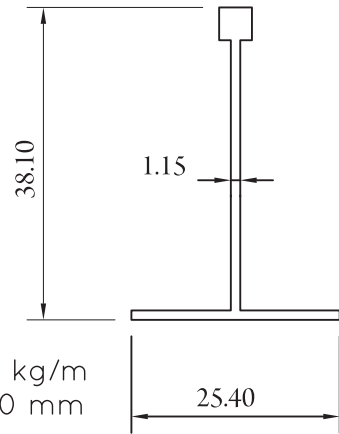
13817

W = 0.201 kg/m
PER = 143.30 mm



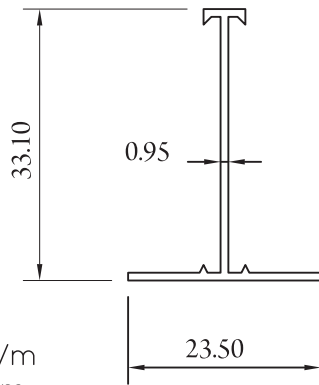
13818

W = 0.225 kg/m
PER = 130.20 mm



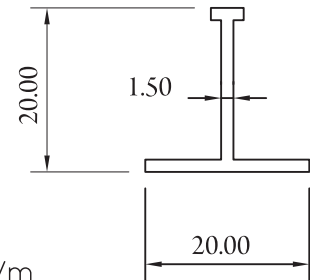
13819

W = 0.158 kg/m
PER = 93.32 mm



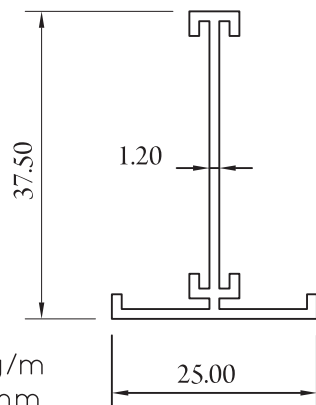
13839

W = 0.167 kg/m
PER = 85.00 mm



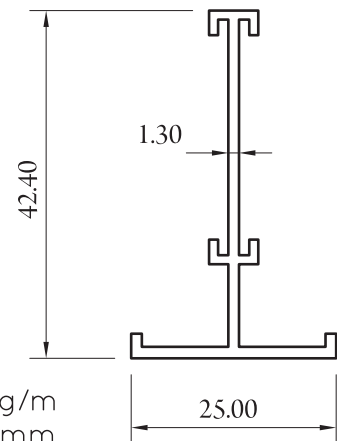
13840

W = 0.285 kg/m
PER = 165.40 mm

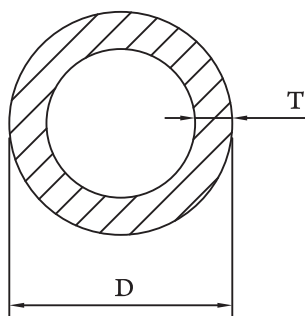


13874

W = 0.328 kg/m
PER = 190.40 mm



PIPES



HOLLOW

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	DIA (D)	T	KG/M	MM
15001	8.00	1.00	0.060	25.12
15002	9.50	1.00	0.073	29.91
15003	12.70	1.00	0.100	39.88
15004	15.80	1.00	0.127	49.65
15005	19.05	1.00	0.154	59.82
15005A	19.05	0.90	0.139	59.82
15006	22.225	1.00	0.181	69.79
15007	25.40	1.00	0.208	79.76
15007A	25.40	0.90	0.188	79.76
15008	31.75	1.00	0.261	99.70
15009	25.40	2.00	0.399	79.80
15010	38.10	1.00	0.316	119.63
15011	50.80	1.00	0.424	159.51
15012	50.80	2.90	1.182	159.51
15013	44.45	3.00	1.058	139.57
15014	50.80	4.50	1.773	159.51
15015	50.80	6.00	2.287	159.51
15016	25.40	2.80	0.538	79.76
15017	31.75	2.80	0.690	99.70
15018	76.20	2.80	1.749	239.27
15019	12.70	1.50	0.143	39.88
15020	38.10	2.80	0.841	119.63
15021	38.10	4.50	1.287	119.63
15022	88.90	6.00	4.232	279.15
15023	38.10	6.00	1.639	119.63
15024	63.50	2.90	1.495	199.39

PIPES

HOLLOW

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	DIA (D)	T	KG/M	MM
15026	88.90	2.90	2.122	279.15
15027	127.00	2.90	3.062	398.78
15028	76.20	1.00	0.640	239.27
15029	101.60	1.20	1.025	319.02
15030	45.00	4.50	1.551	141.30
15031	101.60	3.00	2.517	619.02
15032	76.20	6.00	3.584	239.27
15033	25.40	1.50	0.305	79.76
15034	63.50	6.00	2.937	199.49
15035	19.05	1.50	0.224	59.82
15036	19.05	1.40	0.210	59.52
15037	22.05	1.40	0.246	69.24
15038	48.00	4.00	1.498	150.80
15039	60.00	5.00	2.341	188.50
15040	92.00	6.00	4.393	289.03
15041	113.00	6.50	5.894	355.00
15042	50.00	1.30	0.539	157.00
15043	25.40	1.40	0.286	79.80
15044	22.225	1.40	0.248	69.79
15045	25.60	1.40	0.288	80.38
15046	57.15	2.90	1.339	179.54
15047	50.00	2.00	0.817	157.00
15048	28.00	4.75	0.940	87.92
15049	12.00	2.50	0.202	37.68
15050	18.00	3.25	0.408	56.52
15051	22.00	3.50	0.551	69.08
15052	35.50	2.50	0.702	111.53
15053	41.50	1.75	0.592	130.31
15054	18.20	5.30	0.582	57.17
15055	38.00	3.00	0.894	119.38
15056	55.00	2.00	0.903	172.79
15058	25.00	5.00	0.851	78.54
15059	31.50	6.15	1.327	98.96
15060	122.00	5.00	4.981	383.27

PIPES

HOLLOW

SECTION NO	DIMENSION		WEIGHT	PERIMETER
	DIA (D)	T	KG/M	MM
15061	88.90	4.50	3.234	279.29
15062	38.10	1.50	0.467	119.69
15063	38.10	1.50	0.466	119.38
15064	46.00	8.00	2.588	144.51
15065	25.40	4.50	0.801	79.80
15066	110.00	6.00	5.313	345.80
15072	77.00	4.00	2.486	241.903
15073	11.00	3.00	0.204	34.56
15075	31.75	1.30	0.337	99.75
15076	78.50	4.75	2.982	246.62
15077	91.50	4.50	3.333	287.456
15078	135.00	11.50	12.092	424.12
15079	25.00	4.25	0.751	78.54
15080	32.00	5.25	1.196	100.53
15081	139.70	6.00	6.830	438.88
15082	70.00	2.00	1.158	219.91
15083	106.00	7.00	5.900	333.01
15084	25.40	1.20	0.247	79.80
15085	6.00	1.00	0.043	18.85
15086	48.50	3.00	1.162	152.367
15087	120.00	5.00	4.895	376.99
15088	44.45	4.50	1.531	139.64
15089	50.00	1.20	0.499	157.08
15090	59.50	1.30	0.644	186.925
15091	76.00	4.00	2.452	238.761
15092	65.00	4.50	2.318	204.20
15095	29.20	2.60	0.589	91.74
15098	17.50	3.00	0.370	54.98
15099	96.00	3.00	2.375	301.59
15100	42.00	2.50	0.862	135.09
15101	110.00	38.00	23.294	345.575
15102	42.00	2.25	0.761	131.95
15103	43.00	2.90	0.990	135.09
15104	30.00	5.00	1.064	94.25

PIPES

HOLLOW

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	DIA (D)	T	KG/M	MM
15105	22.225	2.45	0.413	69.82
15106	17.80	1.50	0.208	55.92
15107	63.00	1.50	0.785	197.92
15109	38.00	3.50	1.028	119.38
15112	65.00	1.50	0.811	204.20
15114	28.50	1.50	0.345	89.54
15115	65.00	21.50	7.963	204.20
15116	23.50	3.25	0.560	73.83
15117	42.00	4.75	1.506	131.95
15118	47.50	5.00	1.809	149.23
15124	12.20	1.20	0.112	38.33
15125	50.00	4.00	1.567	157.08
15126	50.00	3.00	1.201	157.08
15127	50.80	2.00	0.831	159.59
15128	99.00	4.50	3.620	311.02
15129	19.50	5.75	0.673	61.62
15130	12.00	1.00	0.094	37.70
15131	21.00	1.00	0.170	65.97
15132	24.00	1.00	0.196	75.40
15133	45.00	3.00	1.073	141.37
15134	122.00	2.00	2.043	383.27
15135	15.90	1.35	0.167	49.95
15136	114.30	5.36	5.345	359.08
15143	76.20	3.00	1.870	239.39
15144	31.75	4.50	1.044	99.75
15145	63.50	4.50	2.260	199.49
15146	76.20	4.50	2.747	239.39
15147	101.60	6.00	4.884	319.19
15148	22.00	1.50	0.262	69.12
15149	25.40	6.00	0.991	79.80
15150	28.00	2.40	0.523	87.96
15152	31.75	6.00	1.315	99.75
15153	8.00	1.60	0.087	25.13
15154	60.00	2.00	0.988	188.50

PIPES

HOLLOW

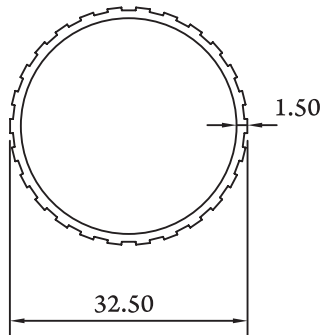
SECTION	DIMENSION		WEIGHT	PERIMETER
NO	DIA (D)	T	KG/M	MM
15155	6.00	1.05	0.044	18.85
15156	60.00	3.00	1.456	188.50
15158	50.80	12.70	4.120	159.59
15159	63.50	12.70	5.493	199.49
15160	12.70	3.00	0.248	39.90
15161	44.45	6.00	1.964	139.64
15162	9.00	0.90	0.062	28.27
15163	19.05	3.00	0.410	59.85
15164	25.40	3.00	0.572	79.80
15165	31.75	3.00	0.734	99.75
15166	50.00	8.00	2.861	157.08
15167	60.00	8.00	3.542	188.50
15168	38.10	2.00	0.615	119.69
15169	20.00	1.00	0.162	62.83
15170	126.00	5.50	5.643	395.84
15171	82.00	3.00	2.018	257.61
15173	29.90	2.20	0.519	93.93
15174	34.00	2.00	0.545	106.81
15175	20.50	3.00	0.447	64.40
15177	21.70	1.10	0.221	69.12
15178	86.00	4.00	2.793	270.18
15180	31.70	2.20	0.553	99.59
15181	22.225	2.00	0.344	69.82
15182	19.05	1.80	0.264	59.85
15183	44.00	5.20	1.718	138.23
15184	44.45	4.00	1.378	139.64
15186	15.875	3.00	0.329	49.87
15187	101.60	4.50	3.720	319.19
15188	12.70	1.00	0.109	39.90
15189	54.70	2.00	0.897	171.85
15190	26.00	7.75	1.204	81.68
15191	32.00	8.50	1.701	100.53
15192	38.00	13.50	2.816	119.38
15195	25.00	2.50	0.471	78.54

PIPES

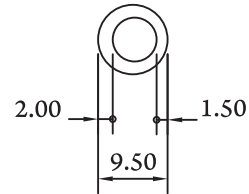
HOLLOW

SECTION	DIMENSION		WEIGHT	PERIMETER
NO	DIA (D)	T	KG/M	MM
15198	75.00	4.00	2.418	235.62
15199	9.00	1.10	0.075	28.27
15201	74.00	20.00	9.195	232.48
15202	36.00	11.75	2.426	113.10
15207	60.00	10.00	4.257	188.50
15208	35.00	1.10	0.318	109.96
15210	47.00	1.15	0.450	147.65
15219	95.00	1.40	1.116	298.45
15220	28.50	1.30	0.301	89.54
15221	19.05	1.20	0.188	59.85
15222	47.00	8.50	2.786	147.65
15225	76.20	1.80	1.140	239.39
15229	20.00	3.00	0.434	62.83
15230	6.20	0.90	0.041	19.48
15231	6.00	1.30	0.052	18.85
15232	6.35	0.975	0.045	19.95
15233	52.00	2.00	0.851	163.36
15234	76.20	1.30	0.829	239.39
15235	75.00	3.50	2.131	235.62
15238	107.00	1.40	1.259	336.15
15239	101.60	1.40	1.194	319.19
15240	101.75	1.70	1.488	319.66
15241	84.20	1.95	1.366	264.19
15242	25.40	1.70	0.343	79.80
15243	87.30	1.35	0.988	274.26
15244	95.00	2.50	1.969	298.45
15245	109.20	2.50	2.271	343.06
15246	38.10	1.75	0.542	119.69
15247	90.10	1.80	1.353	283.06
15248	83.90	1.80	1.258	263.58
15249	38.00	8.00	2.043	119.38
15250	22.225	3.80	0.596	69.82
15251	35.00	6.25	1.530	109.96

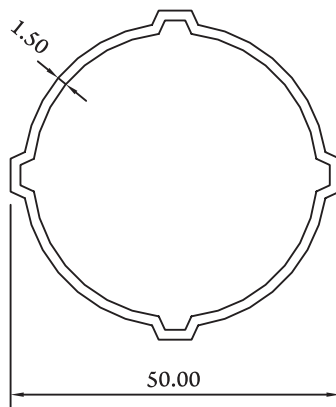
OTHER PIPES

**15057**

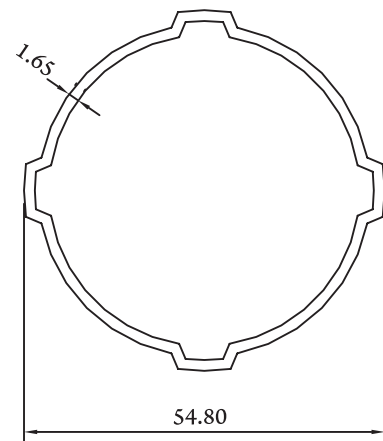
W = 0.341 kg/m
PER = 122.90 mm

**15074**

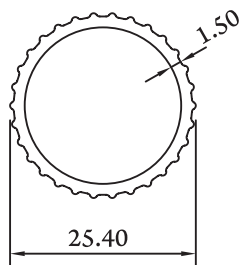
W = 0.115 kg/m
PER = 29.85 mm

**15093**

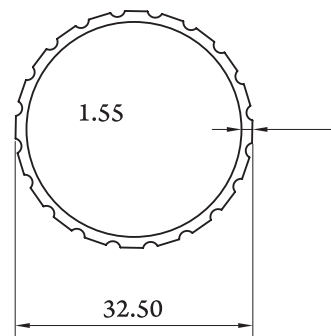
W = 0.612 kg/m
PER = 155.25 mm

**15094**

W = 0.741 kg/m
PER = 170.98 mm

**15096**

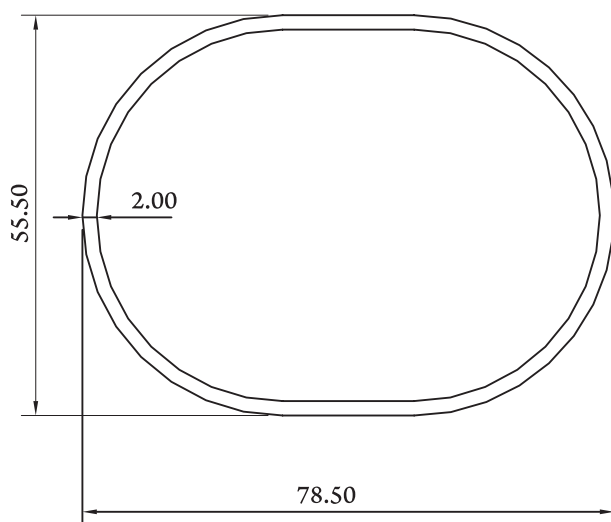
W = 0.328 kg/m
PER = 88.57 mm

**15097**

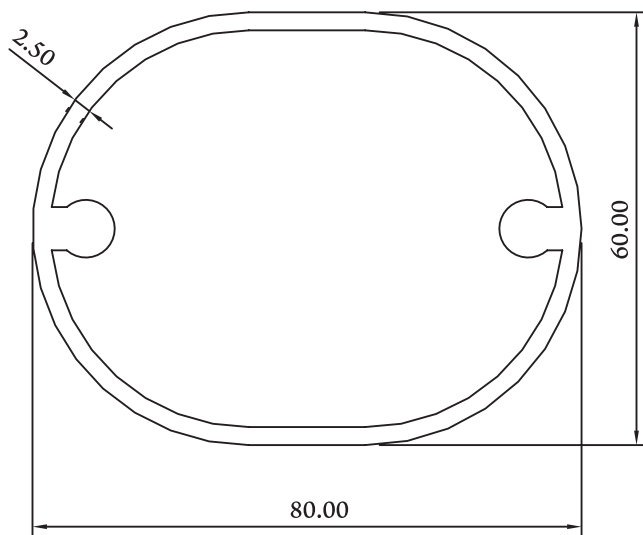
W = 0.354 kg/m
PER = 113.20 mm

OTHER PIPES

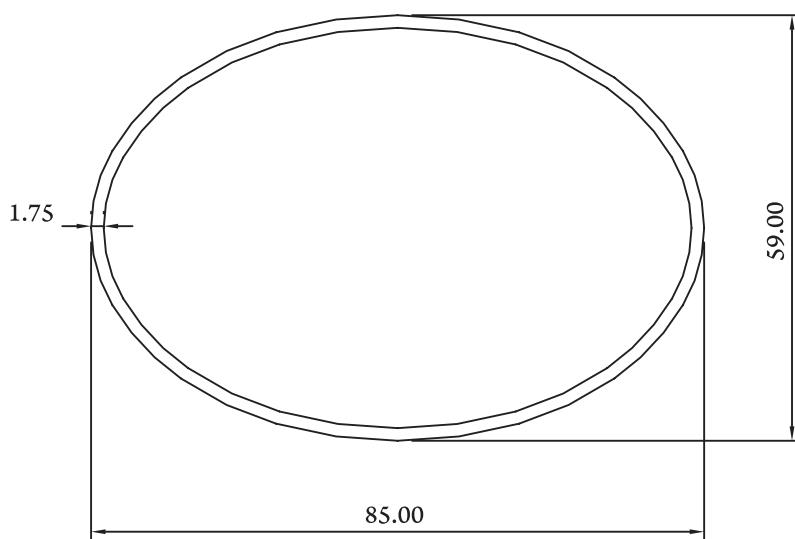
HOLLOW

**15110**

W = 1.160 kg/m
PER = 220.36 mm

**15120**

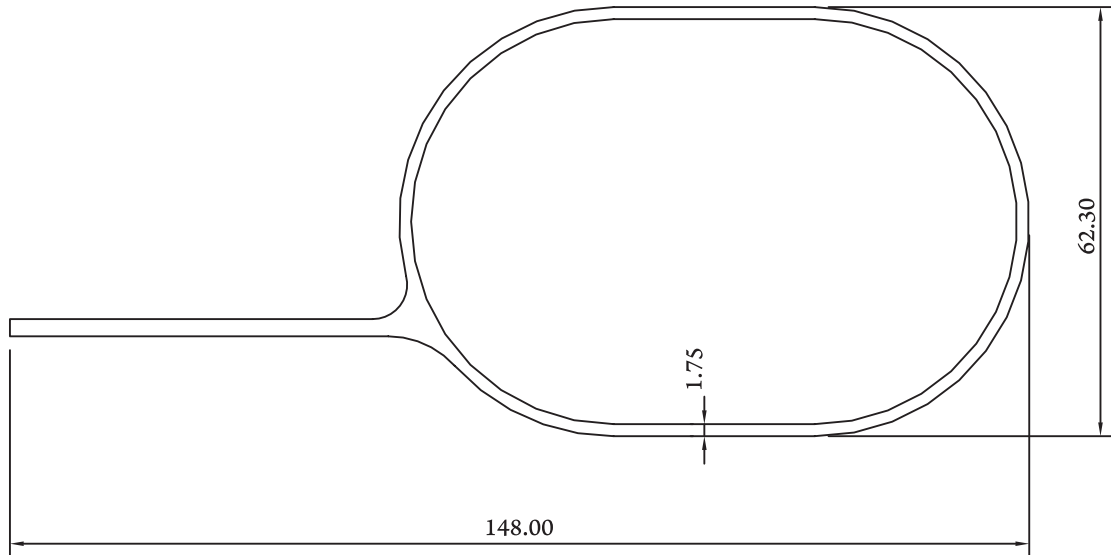
W = 1.808 kg/m
PER = 228.50 mm

**15151**

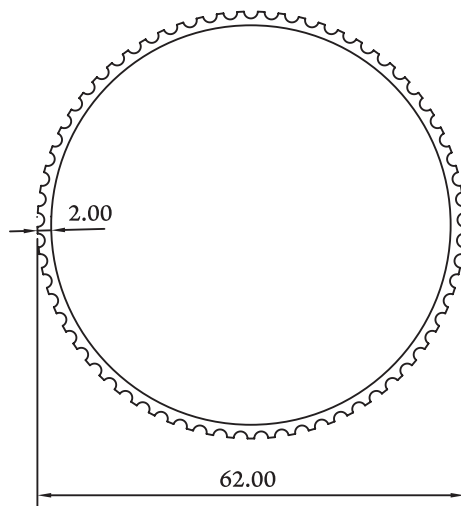
W = 1.055 kg/m
PER = 227.99 mm

OTHER PIPES

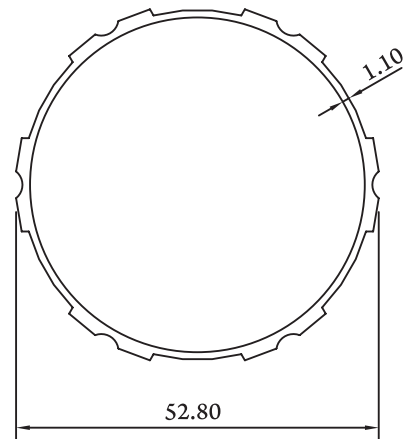
HOLLOW

**15111**

W = 1.634 kg/m
PER = 369.25 mm

**15113**

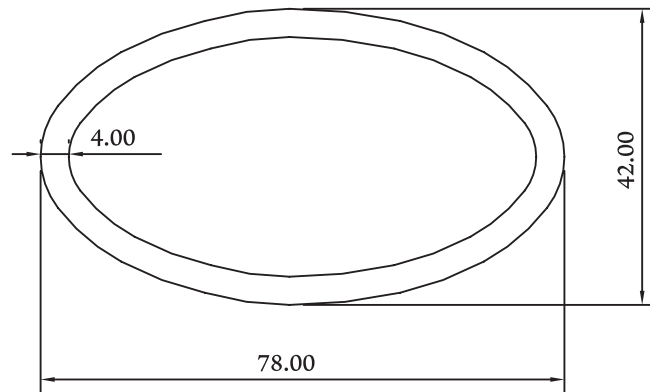
W = 0.747 kg/m
PER = 266.88 mm

**15119**

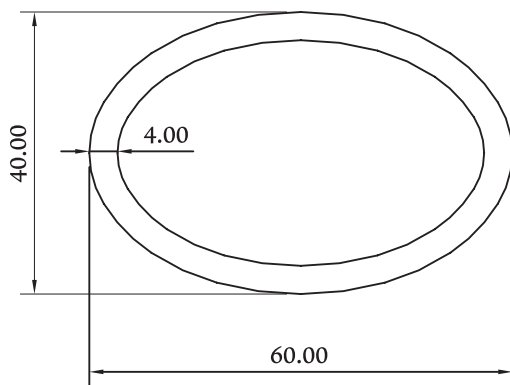
W = 0.640 kg/m
PER = 178.08 mm

OTHER PIPES

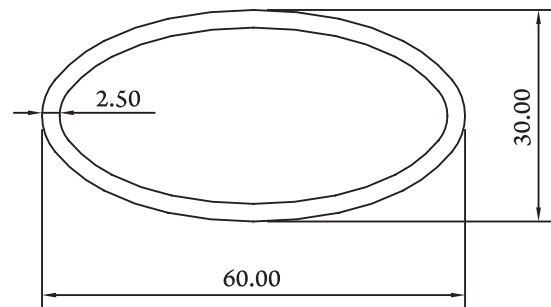
HOLLOW

**15176**

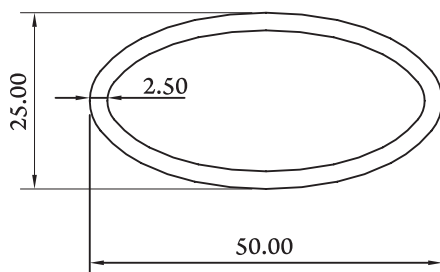
W = 1.952 kg/m
PER = 192.67 mm

**15185**

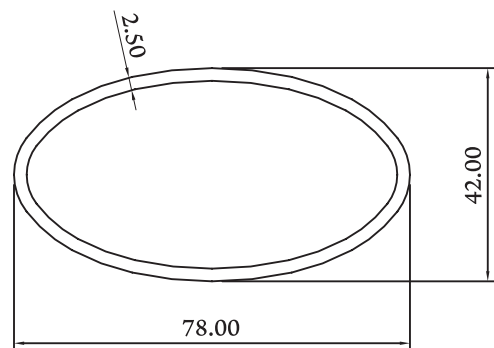
W = 1.583 kg/m
PER = 158.61 mm

**15193**

W = 0.931 kg/m
PER = 145.25 mm

**15194**

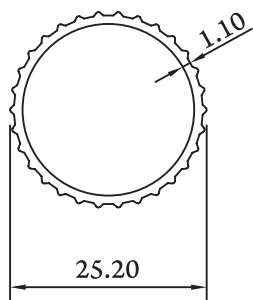
W = 0.767 kg/m
PER = 121.05 mm

**15236**

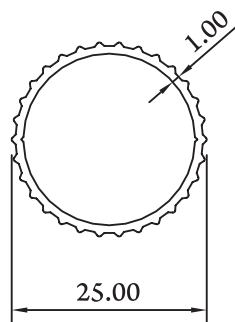
W = 1.252 KG/M
PER = 192.67 mm

OTHER PIPES

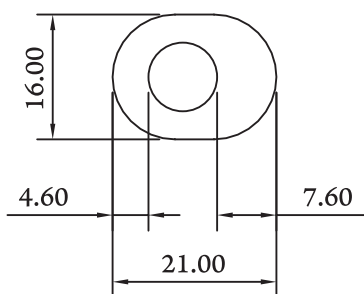
HOLLOW

**15197**

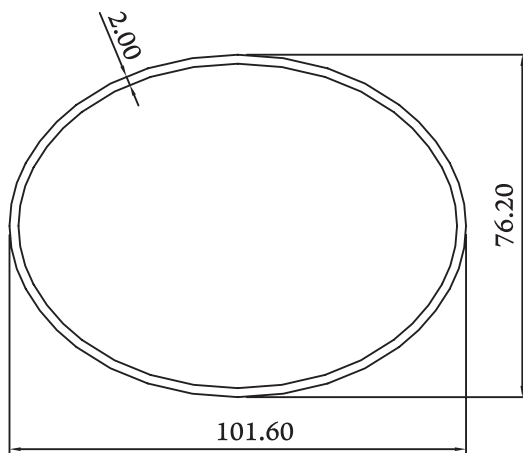
W = 0.247 Kg/m
PER = 88.08 mm

**15200**

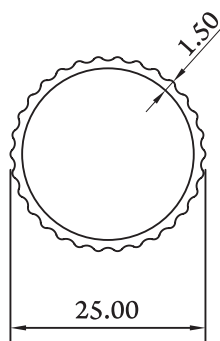
W = 0.247 Kg/m
PER = 87.46 mm

**15204**

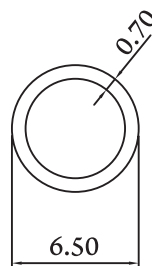
W = 0.604 Kg/m
PER = 60.27 mm

**15206**

W = 1.488 Kg/m
PER = 280.71 mm

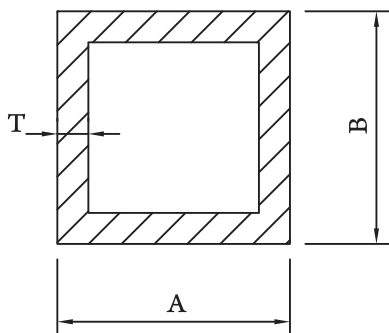
**15211**

W = 0.244 Kg/m
PER = 84.44 mm

**15237**

W = 0.035 Kg/m
PER = 20.42 mm

SQUARE

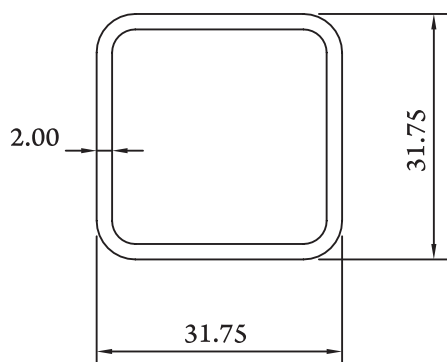


SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
16001	12.70	12.70	1.00	0.129	50.80
16002	19.05	19.05	1.00	0.196	76.20
16003	25.40	25.40	1.00	0.265	101.60
16004	31.75	31.75	1.00	0.333	127.00
16005	44.45	44.45	2.50	1.138	178.00
16006	25.00	25.00	2.90	0.695	100.00
16007	38.10	38.10	1.00	0.402	152.40
16008	38.10	38.10	3.00	1.141	152.40
16009	100.00	100.00	3.00	3.154	400.00
16010	75.00	75.00	3.00	2.341	300.00
16011	50.00	50.00	3.00	1.528	200.00
16012	25.00	25.00	2.00	0.499	100.00
16013	76.20	76.20	6.00	4.566	304.80
16014	76.20	76.20	2.00	1.609	304.80
16015	31.75	31.75	2.00	0.645	127.00
16016	19.05	19.05	1.60	0.303	76.20
16017	19.05	19.05	2.80	0.493	76.20
16018	50.80	50.80	2.00	1.058	203.20
16019	50.80	50.80	2.80	1.457	203.20
16020	12.00	12.00	1.00	0.119	48.00
16021	22.225	22.225	1.00	0.230	88.90
16022	19.40	19.40	1.20	0.236	77.60
16023	19.00	19.00	1.20	0.232	76.20
16025	38.10	38.10	2.00	0.783	152.40
16026	25.40	25.40	2.80	0.686	101.60

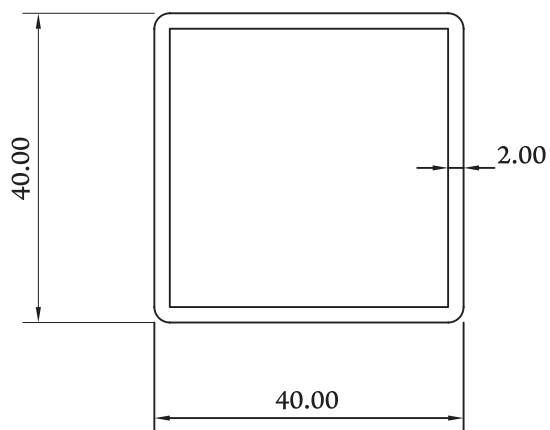
SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
16027	38.10	38.10	2.80	1.071	152.40
16031	25.40	25.40	2.40	0.598	101.60
16033	21.00	21.00	0.90	0.196	84.00
16039	63.50	63.50	6.00	3.740	254.00
16040	50.00	50.00	2.00	1.041	200.00
16041	31.75	31.75	2.90	0.907	127.00
16042	38.10	38.10	6.00	2.088	452.40
16043	50.80	50.80	6.00	2.914	203.20
16044	44.45	44.45	3.00	1.348	177.80
16045	38.10	38.10	4.50	1.639	152.40
16046	40.00	40.00	4.70	1.799	160.00
16048	50.80	50.80	4.50	2.259	203.20
16049	63.50	63.50	4.50	2.878	254.00
16050	50.00	50.00	1.00	0.531	200.00
16051	38.10	38.10	1.35	0.538	152.40
16052	38.10	38.10	1.20	0.480	152.40
16053	100.00	100.00	4.00	4.163	400.00
16054	40.00	40.00	1.20	0.505	160.00
16056	38.10	38.10	1.50	0.595	152.40

OTHER SQUARE

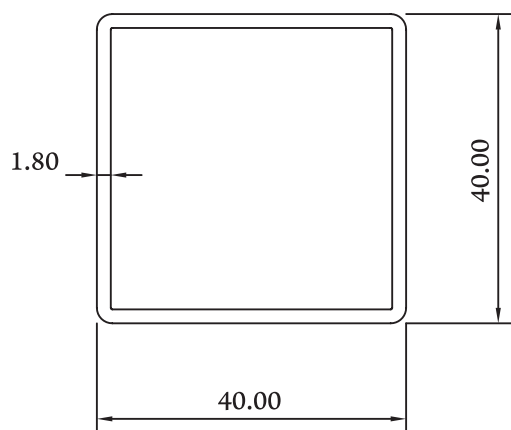
HOLLOW

**16015R**

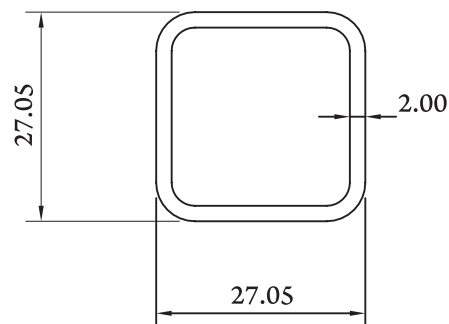
W = 0.608 kg/m
PER = 118.42 mm

**16024**

W = 0.815 kg/m
PER = 156.57 mm

**16024A**

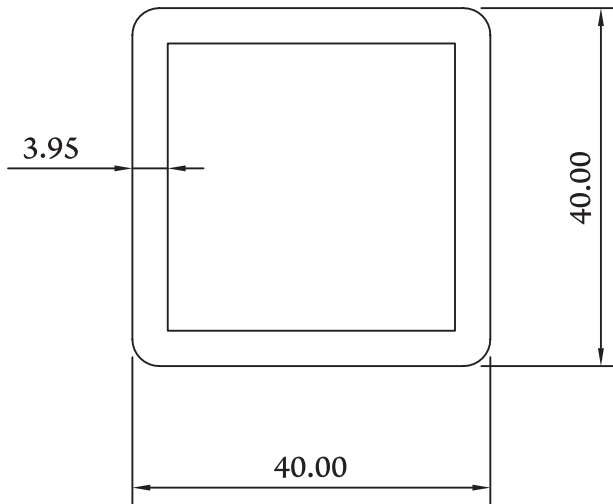
W = 0.734 kg/m
PER = 156.57 mm

**16034**

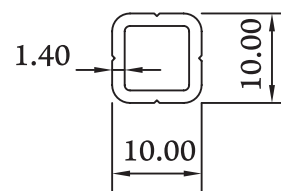
W = 0.506 kg/m
PER = 99.62 mm

OTHER SQUARE

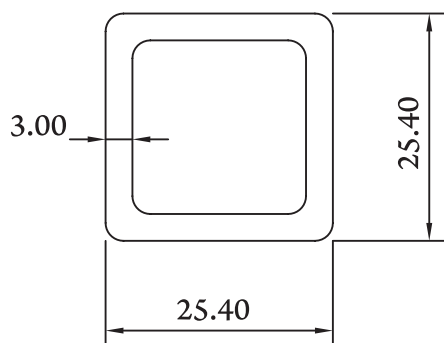
HOLLOW

**16008R**

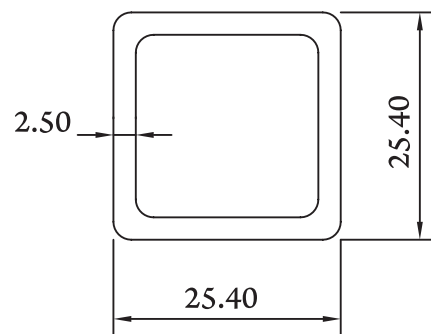
W = 1.523 kg/m
PER = 154.85 mm

**16036**

W = 0.121 kg/m
PER = 37.56 mm

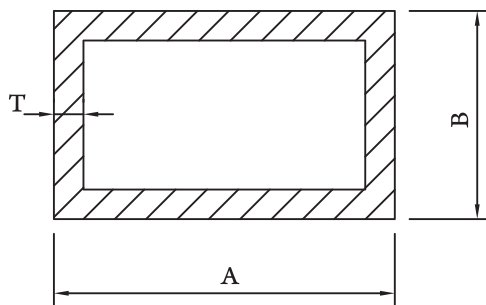
**16037**

W = 0.728 kg/m
PER = 98.17 mm

**16038**

W = 0.621 kg/m
PER = 98.17 mm

RECTANGULAR



SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
16501	19.05	12.70	1.00	0.161	63.50
16502	25.40	12.70	1.00	0.196	76.20
16503	38.10	25.40	1.00	0.333	127.00
16504	50.40	25.40	1.00	0.403	152.40
16505	76.20	25.40	1.00	0.540	203.20
16506	101.60	25.40	1.00	0.678	254.00
16507	38.00	25.00	2.00	0.640	126.00
16508	50.00	38.00	2.00	0.911	176.00
16509	76.20	25.40	1.20	0.645	203.20
16510	100.00	45.00	2.00	1.528	290.00
16511	50.00	25.00	2.00	0.770	150.00
16512	100.00	25.00	2.00	1.312	250.00
16513	75.00	50.00	2.00	1.312	250.00
16514	100.00	50.00	2.00	1.583	300.00
16515	50.00	25.00	2.80	1.077	150.00
16516	38.10	19.10	1.00	0.299	114.30
16517	32.00	18.00	2.00	0.499	100.00
16518	101.60	50.80	2.90	2.304	101.60
16519	152.40	76.20	3.00	3.619	76.20
16520	63.50	31.75	2.00	0.989	190.50
16521	76.20	45.00	3.00	1.873	242.40
16522	125.00	50.00	3.00	2.748	350.00
16523	76.00	38.00	2.00	1.192	228.00
16524	31.00	19.00	2.00	0.499	100.00
16525	79.80	39.70	2.50	1.544	235.57
16525A	80.00	40.00	2.30	1.426	236.57

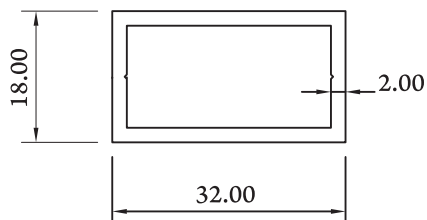
RECTANGULAR

HOLLOW

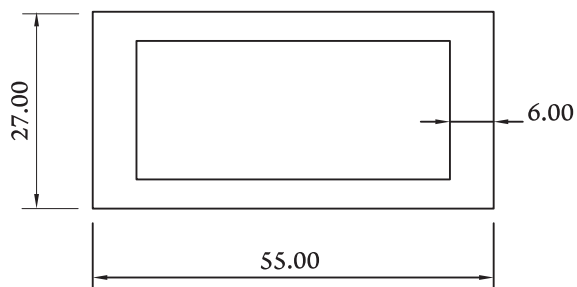
SECTION	DIMENSION			WEIGHT	PERIMETER
NO	A	B	T	KG/M	MM
16526	150.00	100.00	3.00	3.967	500.00
16527	101.60	44.45	1.20	0.934	292.10
16528	152.40	50.80	3.00	3.207	406.40
16529	38.10	25.40	1.40	0.461	127.00
16530	101.60	25.40	2.80	1.842	254.00
16531	76.20	44.50	1.00	0.643	241.30
16532	76.20	25.40	2.10	1.058	203.20
16536	76.20	25.40	2.80	1.457	203.20
16537	76.20	38.10	2.80	1.650	228.20
16538	40.00	30.00	3.00	1.041	140.00
16545	28.50	22.00	1.10	0.288	101.00
16546	12.00	6.60	1.00	0.090	37.20
16548	76.20	25.40	2.90	1.506	203.20
16550	101.60	50.80	6.00	4.566	304.80
16552	40.00	20.00	2.00	0.607	120.00
16553	101.60	50.80	4.50	3.498	304.80
16554	76.20	50.80	3.00	1.968	254.00
16555	100.00	40.00	3.00	2.179	280.00
16556	38.10	25.40	3.00	0.935	127.00
16558	76.20	50.80	4.50	2.878	254.00
16559	38.10	19.05	2.80	0.782	114.30
16560	50.80	25.40	4.50	1.639	152.40
16561	50.80	12.70	2.00	0.645	127.00
16563	38.10	25.40	1.20	0.397	127.00
16564	31.80	15.00	1.00	0.243	93.60
16565	70.00	40.00	1.10	0.643	220.00
16567	101.60	44.45	1.50	1.163	292.10
16568	101.60	25.40	1.20	0.810	254.00
16569	76.20	44.50	1.20	0.769	241.40
16570	150.00	70.00	2.00	2.341	440.00
16571	50.80	25.40	1.20	0.480	152.40

OTHER RECTANGULAR

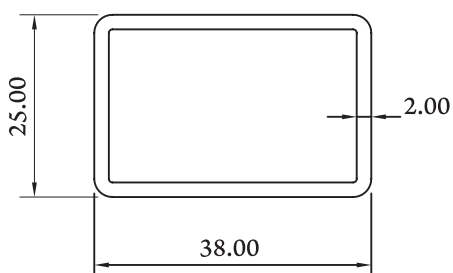
HOLLOW

**16517A**

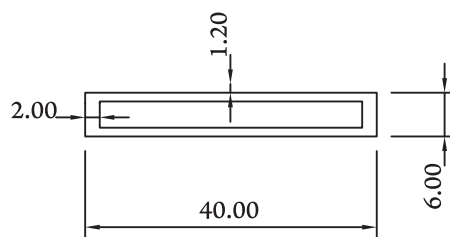
W = 0.498 kg/m
PER = 100.00 mm

**16540**

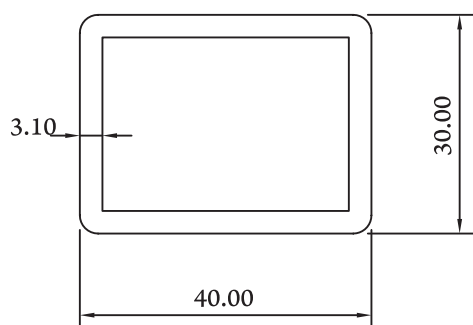
W = 1.810 kg/m
PER = 55.00 mm

**16549B**

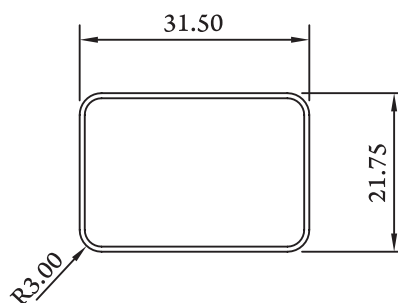
W = 0.626 kg/m
PER = 121.71 mm

**16551**

W = 0.299 kg/m
PER = 92.00 mm

**16557**

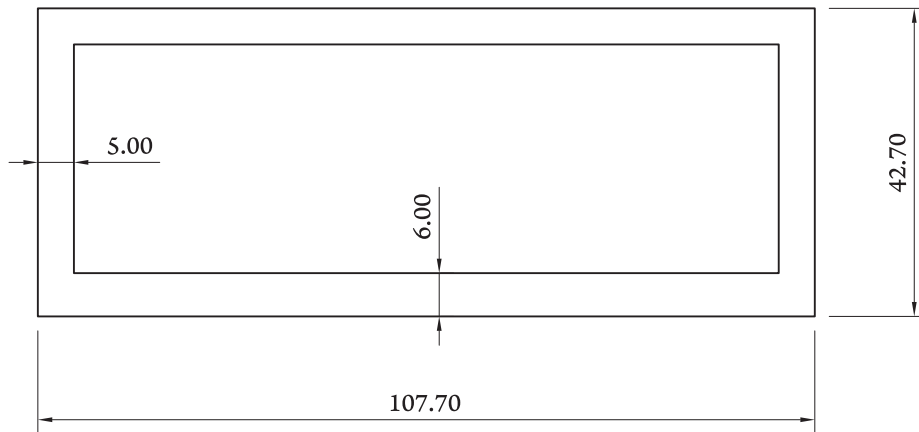
W = 1.057 kg/m
PER = 135.71 mm

**16562**

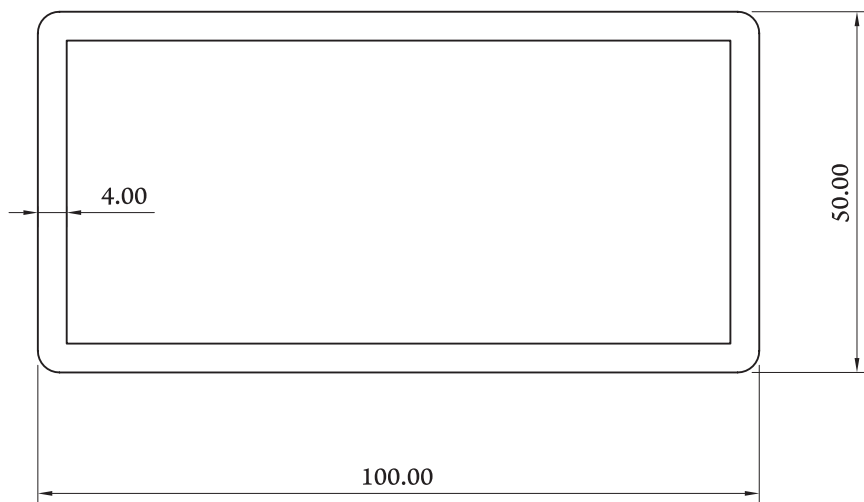
W = 0.189 kg/m
PER = 110.85 mm

OTHER RECTANGULAR

HOLLOW

**16541**

W = 4.070 kg/m
PER = 300.80 mm

**16543**

W = 3.058 kg/m
PER = 294.85 mm



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