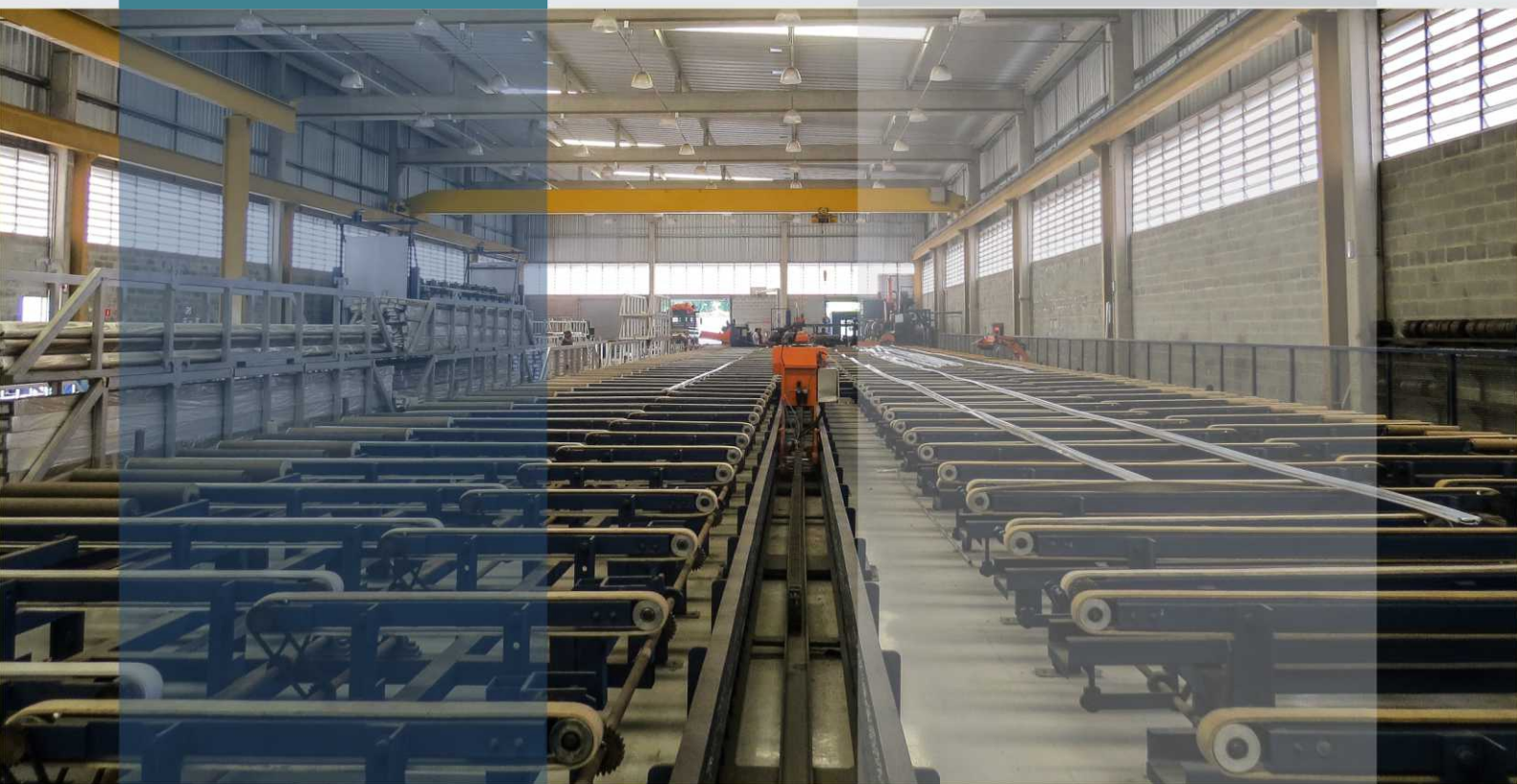


Versão 4.7
Junho 2022



PERFIS DE ALUMÍNIO



CATÁLOGO DE FERRAMENTAS

CARACTERÍSTICAS ESPECÍFICAS

Liga	Resis- tência a corrosão	Anodização		Solda		Usinabili- dade	Deformabi- lidade	Brasa- gem	Outras
		Deco- rativa	Prote- tiva	MIG	TIG				
1050	A	A	A	A	A	E	A	A	-
2011	C	E	B	N	N	A	C	N	Solda por resistência
3003	A	D	B	A	A	D	A	A	-
6005A	A	C	A	A	A	C	C	B	-
6060	A	A	A	A	A	C	C	A	-
6063	A	A	A	A	A	D	B	A	-
6061	A	D	A	A	A	C	B	B	-
6082	A	D	A	A	A	C	C	C	-
6101	A	A	A	A	A	D	B	A	-
6261	A	C	A	A	A	C	B	B	-
6262	B	C	A	A	A	A	C	A	-
6351	A	D	A	A	A	C	C	C	-
6463	A	A	A	A	A	D	B	A	-
7075	C	E	B	N	N	B	D	N	Solda por resistência

PROPRIEDADES FÍSICAS ESPECÍFICAS

Liga	Peso específico (g/cm ³)	Modulo de elasticidad e (Mpa)	Modulo de rigidez (Mpa)	Temperatu- ra de fusão (°C)	Calor específico entre 0- 100°C (Cal/g°C)	Coefficient e de expansão linear (L°C)	Condutibili- dade térmica a 25°C (Cal/cm²°C)	Condutibili- dade elétrica (%ACS)
1050	2,70	70000	26500	650-660	0,22	24 x 10 ⁻⁶	0,50	60
2011	2,82	72500	27500	535-645	0,23	23 x 10 ⁻⁶	0,37	40
3003	2,73	70000	26500	640-655	0,22	23 x 10 ⁻⁶	0,38	43
6005A	2,71	70000	26000	570-655	0,22	23 x 10 ⁻⁶	0,44	48
6060	2,71	70000	26500	600-650	0,21	23 x 10 ⁻⁶	0,48	52
6063	2,71	70000	26500	600-650	0,21	23 x 10 ⁻⁶	0,48	52
6061	2,71	70000	26500	580-650	0,22	24 x 10 ⁻⁶	0,37	43
6082	2,71	70000	26500	555-650	0,21	24 x 10 ⁻⁶	0,44	46
6101	2,71	70000	26500	605-655	0,22	23 x 10 ⁻⁶	0,49	55
6261	2,71	70000	26000	570-655	0,22	23 x 10 ⁻⁶	0,44	48
6262	2,71	70000	26700	582-652	0,21	23 x 10 ⁻⁶	0,37	44
6351	2,71	70000	26500	555-650	0,21	24 x 10 ⁻⁶	0,44	46
6463	2,71	70000	26500	600-650	0,21	23 x 10 ⁻⁶	0,48	52
7075	2,80	73000	27500	475-630	0,23	24 x 10 ⁻⁶	0,29	30

PROPRIEDADES FÍSICAS ESPECÍFICAS

Propriedades Físicas	Alumínio	Aço	Cobre
Peso específico (g/cm ³)	2,71	7,86	8,96
Temperatura de fusão (°C)	655	1500	1083
Módulo de elasticidade (Mpa)	69000	205940	110325
Coefficiente de expansão linear (L/°C)	23 x 10 ⁻⁶	11,7 x 10 ⁻⁶	16,5 x 10 ⁻⁶
Condutibilidade térmica a 25°C (Cal/cm²°C)	0,56	0,12	0,94
Condutibilidade elétrica (%ACS)	62	14,5	100

LIMITES DE COMPOSIÇÃO QUÍMICA, em porcentagem (1)

Liga	Si	Fe	Cu	Mn	Mg	Cr	Zn	V	Ti	Pb	Bi	Outros		Alumínio Mínimo
												Cada	Total	
1050	0,25	0,40	0,05	0,05	0,05	-	0,05	0,05	0,03			0,03	-	99,50 (2)
2011	0,40	0,70	5,0 - 6,0	-	-	-	0,30	0,05 - 0,15	-	0,20 - 0,60	0,20 - 0,60	0,05	0,15	Restante
3003	0,60	0,70	0,05 - 0,20	1,0 - 1,5	-	-	0,10	-	-	-	-	0,05	0,15	Restante
6005A	0,50 - 0,90	0,35	0,30	0,50	0,40 - 0,70	0,30	0,20	-	0,10			0,05	0,15	Restante
6060	0,30 - 0,60	0,10 - 0,30	0,10	0,10	0,35 - 0,60	0,05	0,15	-	0,10	-	-	0,05	0,15	Restante
6063	0,20 - 0,60	0,35	0,10	0,10	0,45 - 0,90	0,10	0,10	-	0,10	-	-	0,05	0,15	Restante
6061	0,40 - 0,80	0,7	0,15 - 0,40	0,15	0,80 - 1,20	0,04 - 0,35	0,25	-	0,15	-	-	0,05	0,15	Restante
6082	0,70 - 1,30	0,50	0,10	0,40 - 1,00	0,60 - 1,20	0,25	0,20	-	0,10	-	-	0,05	0,15	Restante
6101	0,30 - 0,70	0,50	0,10	0,03	0,35 - 0,80	0,03	0,10	-	-	-	-	0,03	0,10	Restante
6261	0,40 - 0,70	0,40	0,15 - 0,40	0,20 - 0,35	0,70 - 1,00	0,10	0,20	-	0,10	-	-	0,05	0,15	Restante
6262	0,40 - 0,80	0,70	0,15 - 0,40	0,15	0,80 - 1,20	0,04 - 0,14	0,25	-	0,15	0,40 - 0,70	0,40 - 0,70	0,05	0,15	Restante
6351	0,70 - 1,30	0,50	0,10	0,40 - 0,80	0,40 - 0,80	-	0,20	-	0,20	-	-	0,05	0,15	Restante
6463	0,20 - 0,60	0,15	0,20	0,05	0,45 - 0,90	-	0,05	-	-	-	-	0,05	0,15	Restante
7075	0,40	0,50	1,2 - 2,00	0,30	2,10 - 2,90	0,18 - 0,28	5,10 - 6,10	-	0,20	-	-	0,05	0,15	Restante

1) A composição é dada em porcentagem máxima, a menos que indicada como faixa ou mínimo

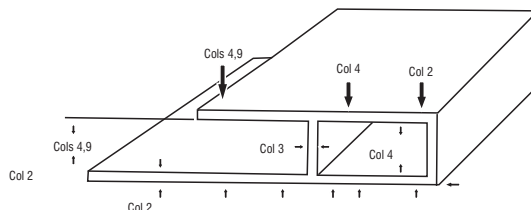
2) O conteúdo de alumínio é a diferença entre 100,00% e a soma de todos os outros elementos metálicos presentes, em quantidade de 0,010% ou mais cada um, arredondados para a segunda casa decimal antes de se processar a soma.

TOLERÂNCIAS DIMENSIONAIS

As tolerâncias dimensionais dos produtos extrudados estão baseadas na ABNT NBR 8116 - Alumínio e suas ligas - Tolerâncias dimensionais de produtos extrudados

Tolerâncias dimensionais nas seções transversais

Tolerâncias para mais e para menos



Dimensão Nominal (mm)		Dimensões do Metal				Dimensões entre superfície metálica													
		Desvio permissível da dimensão nominal, onde 75% ou mais é metal				Desvio permissível da dimensão nominal, quando mais de 25% de dimensão for vazio													
		Todas as dimensões, excet aquelas incluídas na coluna 3		Espessura de parede. Circundando um vazio de 70 mm ou mais		De 5 a 15		De 15 a 30		De 30 a 60		De 60 a 100		De 100 a 150		De 150 a 200			
Coluna 1		Coluna 2		Coluna 3		Coluna 4		Coluna 5		Coluna 6		Coluna 7		Coluna 8		Coluna 9			
Acima de	Até	Ligas 5XXX cor Mg > 4,0%	Outras Ligas	Ligas 5XXX cor Mg > 4,0%	Outras Ligas	Ligas 5XXX cor Mg > 4,0%	Outras Ligas	Ligas 5XXX cor Mg > 4,0%	Outras Ligas	Ligas 5XXX cor Mg > 4,0%	Outras Ligas	Ligas 5XXX cor Mg > 4,0%	Outras Ligas	Ligas 5XXX cor Mg > 4,0%	Outras Ligas	Ligas 5XXX cor Mg > 4,0%	Outras Ligas		
Diâmetro do círculo circunscrito até 250 mm, inclusive																			
-	3,20	0,23	0,15	± 15% de dimensão nominal (± máximo e ± 0,38 mínimo)	± 10% de dimensão nominal (± máximo e ± 0,25 mínimo)	0,33	0,25	0,38	0,30	-	-	-	-	-	-	-	-		
3,20	6,30	0,28	0,18			0,41	0,30	0,46	0,36	0,50	0,41	-	-	-	-	-	-	-	
6,30	12,50	0,30	0,20			0,48	0,36	0,50	0,41	0,56	0,46	0,60	0,50	-	-	-	-	-	
12,50	20,00	0,36	0,23			0,52	0,41	0,58	0,46	0,64	0,50	0,70	0,56	-	-	-	-	-	
20,00	25,00	0,38	0,25			0,58	0,46	0,64	0,50	0,70	0,56	0,76	0,64	0,88	0,76	-	-	-	
25,00	40,00	0,46	0,30	2,30	1,50	0,68	0,54	0,74	0,58	0,80	0,66	0,92	0,76	1,05	0,88	-	-		
40,00	50,00	0,54	0,36	máximo e ± 0,38	máximo e ± 0,25 (mínimo)	0,78	0,60	0,84	0,66	0,96	0,78	1,10	0,92	1,25	1,05	1,45	1,25		
50,00	100,00	0,90	0,60			1,15	0,86	1,25	0,96	1,50	1,20	1,75	1,45	2,05	1,70	2,35	2,05		
100,00	150,00	1,30	0,86			1,55	1,10	1,70	1,25	2,05	1,65	2,40	2,00	2,80	2,40	3,25	2,80		
150,00	200,00	1,70	1,10			1,95	1,35	2,15	1,55	2,65	2,40	3,05	2,50	3,60	3,05	4,10	3,55		
200,00	250,00	2,05	1,35			2,30	1,65	2,55	1,90	3,25	2,50	3,75	3,05	4,60	3,70	5,00	4,30		
Diâmetro do círculo circunscrito acima de 250 mm																			
-	3,20	0,54	0,36	± 15% de dimensão nominal (± máximo e ± 0,65 mínimo)	± 15% de dimensão nominal (± máximo e ± 0,38 mínimo)	0,64	0,46	0,68	0,50	-	-	-	-	-	-	-	-		
3,20	6,30	0,56	0,38			0,66	0,48	0,74	0,56	0,88	0,72	-	-	-	-	-	-	-	
6,30	12,50	0,60	0,41			0,72	0,50	0,80	0,60	0,96	0,76	1,45	1,25	-	-	-	-	-	
12,50	20,00	0,64	0,43			0,76	0,56	0,88	0,68	1,25	1,00	1,75	1,50	-	-	-	-	-	
20,00	25,00	0,68	0,46			0,78	0,58	1,00	0,76	1,45	1,25	2,00	1,80	2,50	2,30	-	-	-	
25,00	40,00	0,72	0,48	± 15% de dimensão nominal (± máximo e ± 0,65 mínimo)	± 15% de dimensão nominal (± máximo e ± 0,38 mínimo)	0,84	0,60	1,10	0,86	1,75	1,50	2,25	2,05	2,75	2,55	-	-		
40,00	50,00	0,92	0,60			1,15	0,86	1,40	1,10	2,10	1,80	2,60	2,30	3,10	2,80	4,60	4,30		
50,00	100,00	1,30	0,86			1,55	1,10	1,80	1,35	2,45	2,05	2,95	2,55	3,50	3,05	5,00	4,55		
100,00	150,00	1,70	1,10			1,95	1,35	2,20	1,65	2,85	2,30	3,35	2,80	3,85	3,30	5,40	4,85		
150,00	200,00	2,05	1,35			2,30	1,65	2,55	1,90	3,25	2,55	3,75	3,05	4,25	3,55	5,75	5,10		
200,00	250,00	2,45	1,65	± 0,65 (mínimo)	± 0,38 (mínimo)	2,70	1,90	2,95	2,15	3,60	2,80	4,10	3,30	4,60	3,80	6,15	5,35		
250,00	300,00	2,80	1,90			3,05	2,15	3,35	2,40	4,00	3,05	4,50	3,55	5,00	4,05	6,55	5,60		
300,00	350,00	3,20	2,15			3,45	2,40	3,70	2,65	4,35	3,30	4,90	3,80	5,40	4,30	6,90	5,85		
350,00	400,00	3,60	2,40			3,85	2,65	4,10	2,90	4,75	3,55	5,25	4,05	5,75	4,55	7,30	6,10		
400,00	450,00	3,95	2,65			4,20	2,90	4,45	3,15	5,15	3,80	5,65	4,30	6,15	4,85	7,65	6,35		
450,00	500,00	4,35	2,90			4,60	3,15	4,85	3,40	5,50	4,05	6,00	4,55	6,55	5,10	8,05	6,60		
500,00	550,00	4,70	3,15			5,00	3,40	5,25	3,35	5,90	4,30	6,40	4,85	6,90	5,35	8,45	6,85		
550,00	600,00	5,10	3,40			5,35	3,65	5,60	3,90	6,25	4,55	6,80	5,10	7,30	5,60	8,80	7,10		

Tolerâncias de retilidade para barras, vergalhões e perfis somente extrudados					
Dimensões em milímetros					
Produto	Diâmetro ou largura nominal (vergalhões ou barras) DCC (perfil)		Espessura nominal (barras retangulares) Espessura mínima (perfis)		Desvio permissível da retilidade (D máximo) no comprimento total ou qualquer trecho de 300 mm ou mais
	Acima de	Até	Acima de	Até	
Vergalhões e barras quadrados, hexagonais e octogonais	Todos	Todos	-	-	1
Barras retangulares	-	40,00	-	2,50	4
	-	-	2,50	-	1
	40,00	-	2,50	-	1
Perfis	-	40,00	-	2,50	4
	40,00	-	2,50	-	1

Obs.: Todas as temperas exceto O, TX510 e TX511

Tolerâncias de torção para barras e perfis somente extrudados					
Dimensões em milímetros					
Produto	Largura nominal (barras) , DCC (perfis) mm		Espessura nominal (barras retangulares) Espessura mínima (perfis) mm		Torção máxima permissível no comprimento total ou em qualquer trecho de 300 mm ou mais
	Acima de	Até	Acima de	Até	
Barras retangulares	-	40,00	Todas	Todas	3°/m , máximo 7°
	40,00	80,00	Todas	Todas	1,5°/m , máximo 5°
	80,00	-	Todas	Todas	1°/m , máximo 3°
Perfis	-	40,00	Todas	Todas	3°/m , máximo 7°
	40,00	80,00	Todas	Todas	1,5°/m , máximo 5°
	80,00	-	Todas	Todas	1°/m , máximo 3°

Obs.: Todas as temperas exceto O, TX510 e TX511

Tolerâncias no comprimento de arames, vergalhões, barras e perfis somente extrudados					
Dimensões em milímetros					
Diâmetro ou largura nominal (arames, barras ou vergalhões), DCC (perfis)		Desvio permissível do comprimento nominal - Tolerância somente para mais			
Acima de	Até	Até 5.000	Acima de 5.000 até 10.000	Acima de 10.000 até 15.000	Acima de 15.000
-	70,00	4	7	10	25
70,00	200,00	6	9	11	25
200,00	-	7	10	13	25

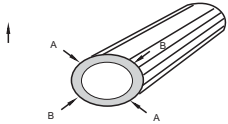
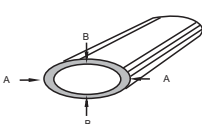
Tolerâncias na planicidade para barras e perfis sólidos e semitubulares somente extrudados		
Dimensões em milímetros		
Largura nominal da superfície (L)		Desvio permissível D (máximo)
Acima de	Até	Tolerâncias
-	25,00	0,10
25,00	150,00	0,004 x L
Em qualquer trecho de 25 de largura		0,10

A tolerância para materiais na tempera "O" deve ser quatro vezes a tolerância padrão indicada

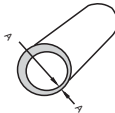
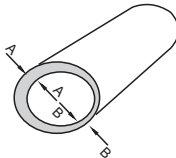
Tolerâncias na planicidade para perfis tubulares somente extrudados			
Dimensões em milímetros			
Menor espessura do metal que forma a superfície		Desvio permissível D (máximo)	
Acima de	Até	Largura (L) até 25, inclusive ou qualquer trecho de 25 de superfícies mais largas	Largura (L) acima de 25 até 150
-	5,00	0,15	0,006 x L
5,00	-	0,10	0,004 x L

A tolerância para materiais na tempera "O" deve ser quatro vezes a tolerância padrão indicada

Tolerâncias no diâmetro externo nominal de tubos redondos somente extrudados

Dimensões em milímetros					
Tolerâncias para mais e para menos					
Diâmetro nominal		Desvio permissível entre o diâmetro médio e o nominal - Diferença entre $\frac{1}{2}$ (AA + BB) e o diâmetro nominal		Desvio permissível entre o diâmetro em qualquer ponto e o diâmetro nominal - Diferença entre AA ou BB e o diâmetro nominal	
					
Coluna 1		Coluna 2		Coluna 3	
Acima de	Até	Ligas 5xxx com Mg > 4,0%	Outras ligas	Ligas 5xxx com Mg > 4,0%	Outras ligas
12,50	25,00	0,38	0,25	0,76	0,50
25,00	50,00	0,46	0,30	0,96	0,64
50,00	100,00	0,58	0,38	1,15	0,76
100,00	150,00	0,96	0,64	1,90	1,25
150,00	200,00	1,35	0,88	2,85	1,90
200,00	250,00	1,75	1,15	3,80	2,55
250,00	300,00	2,10	1,40	4,80	3,20
300,00	350,00	2,50	1,65	5,70	3,80
350,00	400,00	2,85	1,90	6,70	4,45
400,00	450,00	3,25	2,15	7,60	5,10

Tolerâncias na espessura da parede de tubos redondos somente extrudados

Dimensões em milímetros										
Diâmetro nominal		Tolerâncias para mais e para menos								Desvio permissível entre a espessura da parede em qualquer ponto e a espessura média da parede (excentricidade) - Diferença entre AA e a espessura média da parede 
		Desvio permissível entre a espessura média de parede e a espessura nominal da parede - Diferença entre 1/2 (AA + BB) e a espessura nominal da parede								
										
		Diâmetro externo								
		Até 30		Acima de 30 até 80		Acima de 80 até 130		Acima de 130		
Coluna 1		Coluna 2		Coluna 3		Coluna 4		Coluna 5		Coluna 6
Acima de	Até	Ligas 5xxx com Mg>_4,0 %	Outras ligas	Ligas 5xxx com Mg>_4,0 %	Outras ligas	Ligas 5xxx com Mg>_4,0 %	Outras ligas	Ligas 5xxx com Mg>_4,0 %	Outras ligas	Qualquer liga
-	1,20	0,23	0,15	-	-	-	-	-	-	Mais ou menos 10% da espessura média de parede Máximo ± 1,50 Mínimo ± 0,25
1,20	1,60	0,28	0,18	0,30	0,20	0,30	0,20	0,38	0,25	
1,60	2,00	0,30	0,20	0,30	0,20	0,36	0,23	0,46	0,30	
2,00	3,20	0,36	0,23	0,36	0,23	0,38	0,25	0,58	0,38	
3,20	6,30	0,36	0,23	0,36	0,23	0,50	0,33	0,76	0,50	
6,30	10,00	0,43	0,28	0,43	0,28	0,60	0,41	0,96	0,64	
10,00	12,50	-	-	0,58	0,38	0,80	0,54	1,35	0,88	
12,50	20,00	-	-	0,76	0,50	1,05	0,72	1,75	1,15	
20,00	25,00	-	-	-	-	1,35	0,88	2,10	1,40	
25,00	30,00	-	-	-	-	1,75	1,15	2,50	1,65	
30,00	50,00	-	-	-	-	-	-	2,85	1,90	

TABELADOS	1
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CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0002	CT-083	0,065	TABELADOS	1.004
MAC-0003		0,100	TABELADOS	1.004
MAC-0004	CT-015	0,134	TABELADOS	1.004
MAC-0005	CT-032	0,801	TABELADOS	1.004
MAC-0006	CT-047	0,321	TABELADOS	1.004
MAC-0007	TQ-023	0,263	TABELADOS	1.005
MAC-0008	TR-019	0,182	TABELADOS	1.006
MAC-0009	TG-073	0,402	TABELADOS	1.005
MAC-0010		1,451	TABELADOS	1.005
MAC-0011	TR-1015	0,099	TABELADOS	1.006
MAC-0012	TR-073	0,942	TABELADOS	1.006
MAC-0014		0,158	TABELADOS	1.003
MAC-0015	PU-041	0,133	TABELADOS	1.003
MAC-0016		0,208	TABELADOS	1.003
MAC-0017		0,171	BOX E TEMPERADOS	6.002
MAC-0019	76470	0,075	BOX E TEMPERADOS	6.002
MAC-0020	73060	0,213	BOX E TEMPERADOS	6.002
MAC-0021	76450	0,218	BOX E TEMPERADOS	6.002
MAC-0022	76500	0,126	BOX E TEMPERADOS	6.002
MAC-0023	30-044	0,215	PORTÃO	10.002
MAC-0024	76460	0,302	BOX E TEMPERADOS	6.003
MAC-0025	76870	0,241	BOX E TEMPERADOS	6.003
MAC-0026	TR-020	0,235	TABELADOS	1.006
MAC-0027	TR-039	0,207	TABELADOS	1.006
MAC-0028	TG-083	0,365	TABELADOS	1.005
MAC-0029	BC-140	0,082	TABELADOS	1.002
MAC-0030	76440	0,507	BOX E TEMPERADOS	6.003
MAC-0031	76850	0,522	BOX E TEMPERADOS	6.003

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0032	76490	0,111	BOX E TEMPERADOS	6.003
MAC-0033	TR-032	0,180	TABELADOS	1.006
MAC-0034	TG-072	1,608	TABELADOS	1.005
MAC-0035		0,196	TABELADOS	1.005
MAC-0036		1,055	TABELADOS	1.005
MAC-0037	76480	0,214	BOX E TEMPERADOS	6.003
MAC-0038	25-002	0,305	LINHA 25	3.002
MAC-0039	25-504	0,536	LINHA 25	3.002
MAC-0040	MP-360	0,378	M6DULO PRÁTICO	13.002
MAC-0041	PU-639	0,315	PORTÃO	10.002
MAC-0042		0,846	TABELADOS	1.005
MAC-0048	GS034	0,733	LAMBRIS	11.003
MAC-0050	PU-001	0,108	TABELADOS	1.003
MAC-0053	TQ-073	0,389	TABELADOS	1.005
MAC-0054	BG-202	0,106	M6DULO PRÁTICO	13.002
MAC-0056	BC-131	1,311	TABELADOS	1.002
MAC-0057	TR-040	0,320	TABELADOS	1.006
MAC-0058	TR-055	0,405	TABELADOS	1.006
MAC-0059	TR-136	1,970	TABELADOS	1.006
MAC-0060	TR-100	1,284	TABELADOS	1.006
MAC-0061	TR-058	0,771	TABELADOS	1.006
MAC-0062	TR-035	0,278	TABELADOS	1.006
MAC-0063	TR-012	0,149	TABELADOS	1.006
MAC-0064	TR-070	0,492	TABELADOS	1.006
MAC-0066	MP-347	0,201	CONTRA MARCO ARREIMATE	2.003
MAC-0067		0,686	TABELADOS	1.006
MAC-0068	78-719	1,549	PORTÃO	10.004
MAC-0069	PC-003	0,924	PORTÃO	10.003

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0070	PC-004	0,701	PORTÃO	10.002
MAC-0079	PC-002	0,563	PORTÃO	10.002
MAC-0080		0,492	MOVELEIRO	8.002
MAC-0086		0,504	PORTA	4.002
MAC-0087		0,551	PORTA	4.002
MAC-0104	GS037	0,699	DIVISÓRIA	7.002
MAC-0105	GS035	1,129	DIVISÓRIA	7.002
MAC-0114	BC-083	2,621	TABELADOS	1.002
MAC-0115	BC-052	0,655	TABELADOS	1.002
MAC-0116	BC-062	0,874	TABELADOS	1.002
MAC-0117	BC-016	0,245	TABELADOS	1.002
MAC-0118	BC-051	0,491	TABELADOS	1.002
MAC-0119	BC-061	0,655	TABELADOS	1.002
MAC-0120	BC-029	0,655	TABELADOS	1.002
MAC-0121	BC-084	3,496	TABELADOS	1.002
MAC-0122	BC-050	0,317	TABELADOS	1.002
MAC-0123		0,403	PORTA	4.002
MAC-0124	72376	0,787	LINHA 25	3.003
MAC-0125	72378	0,461	LINHA 25	3.003
MAC-0126	72373	0,403	LINHA 25	3.003
MAC-0127	72371	0,345	LINHA 25	3.003
MAC-0128		0,387	LINHA 25	3.003
MAC-0129	72374	0,464	LINHA 25	3.003
MAC-0130		0,307	LINHA 25	3.002
MAC-0131		0,510	POLICARBONATO	9.002
MAC-0132	GS015	0,153	POLICARBONATO	9.002
MAC-0133		0,260	POLICARBONATO	9.002
MAC-0134		0,187	AR CONDICIONADO	5.002

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0135	GS013	0,196	POLICARBONATO	9.002
MAC-0137	GS014	0,142	POLICARBONATO	9.003
MAC-0138		0,238	POLICARBONATO	9.003
MAC-0139	TQ-006	0,284	TABELADOS	1.005
MAC-0140		0,434	LINHA 25	3.002
MAC-0141	SU-123	0,828	LINHA SUPREMA	14.007
MAC-0142	SU-011	0,933	LINHA SUPREMA	14.006
MAC-0143	SU-122	1,352	LINHA SUPREMA	14.007
MAC-0144	SU-001	0,713	LINHA SUPREMA	14.002
MAC-0145	SU-010	0,970	LINHA SUPREMA	14.006
MAC-0146	SU-121	1,423	LINHA SUPREMA	14.007
MAC-0147	SU-039	0,494	LINHA SUPREMA	14.008
MAC-0148	SU-012	0,508	LINHA SUPREMA	14.006
MAC-0149	SU-102	0,110	LINHA SUPREMA	14.016
MAC-0150	TUB-4020	0,749	TABELADOS	1.005
MAC-0151	SU-040	0,452	LINHA SUPREMA	14.008
MAC-0154	LU067	0,532	LAMBRIS	11.002
MAC-0155	LB-050	0,546	LAMBRIS	11.002
MAC-0159	BC-053	0,984	TABELADOS	1.002
MAC-0160		0,285	AR CONDICIONADO	5.002
MAC-0161		0,090	AR CONDICIONADO	5.002
MAC-0162		0,121	AR CONDICIONADO	5.002
MAC-0163		0,297	AR CONDICIONADO	5.002
MAC-0165		0,091	AR CONDICIONADO	5.003
MAC-0166	SU-241	0,698	LINHA SUPREMA	14.016
MAC-0167	SU-003	0,490	LINHA SUPREMA	14.002
MAC-0168	SU-186	0,507	LINHA SUPREMA	14.012
MAC-0169	SU-055	0,543	LINHA SUPREMA	14.012

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0170	SU-200	0,443	LINHA SUPREMA	14.014
MAC-0171	SU-007	0,357	LINHA SUPREMA	14.003
MAC-0172	SU-008	0,247	LINHA SUPREMA	14.013
MAC-0173	SU-053	0,469	LINHA SUPREMA	14.012
MAC-0174	SU-187	0,492	LINHA SUPREMA	14.012
MAC-0175	SU-083	0,144	LINHA SUPREMA	14.015
MAC-0176	SU-041	0,506	LINHA SUPREMA	14.008
MAC-0177	SU-080	0,357	LINHA SUPREMA	14.014
MAC-0178	SU-225	0,935	LINHA SUPREMA	14.013
MAC-0179	SU-227	0,505	LINHA SUPREMA	14.012
MAC-0180	SU-111	0,620	LINHA SUPREMA	14.016
MAC-0181	SU-079	0,331	LINHA SUPREMA	14.014
MAC-0182	SU-279	0,540	LINHA SUPREMA	14.016
MAC-0183	SU-082	0,379	LINHA SUPREMA	14.014
MAC-0184	BC-064	1,748	TABELADOS	1.002
MAC-0185	BC-073	2,623	TABELADOS	1.002
MAC-0186	TR-011	0,126	TABELADOS	1.006
MAC-0187		0,059	TABELADOS	1.006
MAC-0189	TR-907	0,506	TABELADOS	1.006
MAC-0190		0,277	ESCADA	21.002
MAC-0191		0,336	ESCADA	21.002
MAC-0192		0,119	TABELADOS	1.006
MAC-0193		0,424	ESCADA	21.003
MAC-0194		0,594	ESCADA	21.003
MAC-0195	LB-036	0,625	LAMBRIS	11.002
MAC-0196	VZ-060	0,373	VENEZIANAS	16.002
MAC-0197	LG-043	0,798	LINHA GOLD	15.011
MAC-0198	LG-047	1,133	LINHA GOLD	15.002

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0199	LG-024	1,236	LINHA GOLD	15.002
MAC-0200	LG-002	0,639	LINHA GOLD	15.004
MAC-0201	LG-028	0,455	LINHA GOLD	15.004
MAC-0202	LG-003	0,736	LINHA GOLD	15.003
MAC-0203	LG-004	2,019	LINHA GOLD	15.003
MAC-0204	LG-005	2,104	LINHA GOLD	15.003
MAC-0205	LG-064	1,358	LINHA GOLD	15.006
MAC-0206	LG-006	0,672	LINHA GOLD	15.007
MAC-0207	LG-007	1,206	LINHA GOLD	15.007
MAC-0208	LG-022	1,064	LINHA GOLD	15.007
MAC-0209	LG-050	0,816	LINHA GOLD	15.008
MAC-0210	LG-017	1,010	LINHA GOLD	15.008
MAC-0211	LG-020	1,123	LINHA GOLD	15.008
MAC-0212	LG-018	1,563	LINHA GOLD	15.010
MAC-0213	LG-021	1,733	LINHA GOLD	15.010
MAC-0214	LG-019	1,001	LINHA GOLD	15.009
MAC-0215	LG-027	0,149	LINHA GOLD	15.013
MAC-0216	LG-056	0,664	LINHA GOLD	15.011
MAC-0217	LG-016	0,338	LINHA GOLD	15.011
MAC-0218	LG-026	0,158	LINHA GOLD	15.013
MAC-0219	LG-015	0,147	LINHA GOLD	15.013
MAC-0221		0,073	TABELADOS	1.006
MAC-0222	TR-043	0,599	TABELADOS	1.006
MAC-0223	TR-098	0,661	TABELADOS	1.006
MAC-0224	CG-178	1,161	GRADIL	18.003
MAC-0225	CG-168	1,568	GRADIL	18.003
MAC-0226	CG-171	0,353	GRADIL	18.003
MAC-0227	P-227	0,492	MOSQUITEIRO	20.002

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0228	FA-235	1,249	FACHADA ATL	17.002
MAC-0229	CG-075	0,483	GRADIL	18.002
MAC-0230	76800	0,140	BOX E TEMPERADOS	6.004
MAC-0231	76770	0,132	BOX E TEMPERADOS	6.004
MAC-0232		0,276	BOX E TEMPERADOS	6.004
MAC-0234		0,528	BOX E TEMPERADOS	6.004
MAC-0235		0,222	BOX E TEMPERADOS	6.004
MAC-0236	FA-200	1,956	FACHADA ATL	17.002
MAC-0237	FA-228	0,571	FACHADA ATL	17.003
MAC-0238	FA-232	0,606	FACHADA ATL	17.003
MAC-0239	FA-211	0,995	FACHADA ATL	17.003
MAC-0245		0,133	DIVERSOS	25.003
MAC-0246	5954	1,208	TABELADOS	1.006
MAC-0255	CG-074	0,228	GRADIL	18.002
MAC-0256	CG-077	0,678	GRADIL	18.002
MAC-0257	CG-083	1,185	GRADIL	18.002
MAC-0260	CO-1276	0,573	TABELADOS	1.006
MAC-0262		0,308	LINHA 25	3.003
MAC-0263	BC-082	1,748	TABELADOS	1.002
MAC-0264	BC-063	1,310	TABELADOS	1.002
MAC-0265	BC-132	1,965	TABELADOS	1.002
MAC-0266	BC-158	2,184	TABELADOS	1.002
MAC-0267	BC-191	3,276	TABELADOS	1.002
MAC-0268	BC-065	2,622	TABELADOS	1.002
MAC-0269	BC-114	3,496	TABELADOS	1.002
MAC-0270	BC-129	5,244	TABELADOS	1.002
MAC-0271	CT-034	1,639	TABELADOS	1.004
MAC-0272	SU-002	0,691	LINHA SUPREMA	14.002

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0273	SU-009	0,845	LINHA SUPREMA	14.003
MAC-0274	SU-090	0,452	LINHA SUPREMA	14.015
MAC-0275	SU-097	0,380	LINHA SUPREMA	14.015
MAC-0276	SU-100	0,154	LINHA SUPREMA	14.015
MAC-0277	SU-271	0,292	LINHA SUPREMA	14.013
MAC-0278	SU-081	0,397	LINHA SUPREMA	14.014
MAC-0279	SU-056	0,542	LINHA SUPREMA	14.012
MAC-0280	SU-280	0,815	LINHA SUPREMA	14.008
MAC-0282	72214	0,261	VENEZIANAS	16.002
MAC-0283	VZ-024	0,267	VENEZIANAS	16.002
MAC-0284	VZ-006	0,306	VENEZIANAS	16.003
MAC-0285		0,245	VENEZIANAS	16.003
MAC-0286		0,355	PORTA	4.002
MAC-0287		0,254	VENEZIANAS	16.003
MAC-0288	VZ-051	0,262	VENEZIANAS	16.003
MAC-0290	BG-057	0,167	LINHA GOLD	15.013
MAC-0291	LG-061	0,317	LINHA GOLD	15.004
MAC-0292	LG-070	2,174	LINHA GOLD	15.006
MAC-0293	LG-044	1,244	LINHA GOLD	15.002
MAC-0294	TR-866	0,262	TABELADOS	1.006
MAC-0295	TG-082	3,206	TABELADOS	1.005
MAC-0296	TQ-034	2,686	TABELADOS	1.005
MAC-0300		0,254	VENEZIANAS	16.004
MAC-0301		0,623	BAÚ E CARROCERIA	23.002
MAC-0304		0,292	DIVERSOS	25.003
MAC-0305	BK-865	0,348	DIVERSOS	25.003
MAC-0320		0,412	PLACAS	22.002
MAC-0321		1,639	PLACAS	22.002

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0324	STL-1027	0,532	BAÚ E CARROCERIA	23.002
MAC-0325	STL-1028	1,576	BAÚ E CARROCERIA	23.002
MAC-0326	STL-1029	1,028	BAÚ E CARROCERIA	23.002
MAC-0328		0,325	AR CONDICIONADO	5.003
MAC-0339	SU-103	0,155	LINHA SUPREMA	14.016
MAC-0341	A-058	0,221	MOSQUITEIRO	20.002
MAC-0342	TR-041	0,398	TABELADOS	1.006
MAC-0343	CT-019	0,409	TABELADOS	1.004
MAC-0344	BC-026	0,327	TABELADOS	1.002
MAC-0345	BC-027	0,437	TABELADOS	1.002
MAC-0346	TR-923	0,247	TABELADOS	1.006
MAC-0347	BC-025	0,218	TABELADOS	1.002
MAC-0348	TR-002	0,107	TABELADOS	1.006
MAC-0349	TR-005	0,150	TABELADOS	1.006
MAC-0350	BC-002	0,109	TABELADOS	1.002
MAC-0351		0,149	BOX E TEMPERADOS	6.007
MAC-0352	70118	0,319	BOX E TEMPERADOS	6.005
MAC-0353		0,127	BOX E TEMPERADOS	6.007
MAC-0354	TQ-004	0,196	TABELADOS	1.005
MAC-0355	CT-023	0,757	TABELADOS	1.004
MAC-0356	CT-022	0,518	TABELADOS	1.004
MAC-0357	TQ-060	0,595	TABELADOS	1.005
MAC-0358		0,165	POLICARBONATO	9.003
MAC-0359		0,264	TABELADOS	1.004
MAC-0360		0,043	BOX E TEMPERADOS	6.005
MAC-0361		0,397	TABELADOS	1.005
MAC-0362	TG-005	0,595	TABELADOS	1.005
MAC-0363	TQ-017	1,057	TABELADOS	1.005

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0364	LG-045	0,959	LINHA GOLD	15.004
MAC-0365	TG-071	0,480	TABELADOS	1.005
MAC-0366		0,222	BOX E TEMPERADOS	6.008
MAC-0367		0,707	BOX E TEMPERADOS	6.008
MAC-0368	TR-874	0,810	TABELADOS	1.006
MAC-0369		1,278	TABELADOS	1.005
MAC-0371	STL-181	0,321	GRADIL	18.004
MAC-0372	MN-005	0,706	INTEGRADA	19.004
MAC-0373	MN-006	0,825	INTEGRADA	19.004
MAC-0374	MN-007	0,658	INTEGRADA	19.007
MAC-0375	MN-008	1,181	INTEGRADA	19.005
MAC-0376	MN-010	1,495	INTEGRADA	19.002
MAC-0377	MN-015	0,779	INTEGRADA	19.007
MAC-0380	MN-050	0,736	INTEGRADA	19.008
MAC-0381	MN-055	0,351	INTEGRADA	19.007
MAC-0382	CM-200	0,181	CONTRA MARCO ARREIMATE	2.002
MAC-0383	D-056	0,321	GRADIL	18.004
MAC-0384	TQ-007	0,314	TABELADOS	1.005
MAC-0386	STL-421	1,128	GRADIL	18.005
MAC-0387	SU-276	0,168	LINHA SUPREMA	14.015
MAC-0388	LG-058	0,729	LINHA GOLD	15.011
MAC-0389	LG-062	1,710	LINHA GOLD	15.005
MAC-0390	LG-066	1,531	LINHA GOLD	15.005
MAC-0391		0,250	POLICARBONATO	9.003
MAC-0392		0,637	BOX E TEMPERADOS	6.008
MAC-0393	STL-834	0,241	BOX E TEMPERADOS	6.008
MAC-0394	LG-052	1,667	LINHA GOLD	15.010
MAC-0395	PC-002	0,474	GRADIL	18.004

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0396	LG-042	1,168	LINHA GOLD	15.011
MAC-0397	LG-158	0,875	LINHA GOLD	15.005
MAC-0398	MN-002	0,667	INTEGRADA	19.003
MAC-0400	MN-027	1,044	INTEGRADA	19.007
MAC-0401	MN-030	1,645	INTEGRADA	19.002
MAC-0402	TS-007	1,170	TABELADOS	1.008
MAC-0403		0,615	MOVELEIRO	8.002
MAC-0404		0,472	MOVELEIRO	8.002
MAC-0405		0,612	MOVELEIRO	8.002
MAC-0406		0,257	MOVELEIRO	8.002
MAC-0407		0,392	MOVELEIRO	8.002
MAC-0408	70117	0,441	BOX E TEMPERADOS	6.005
MAC-0409		0,233	BOX E TEMPERADOS	6.005
MAC-0411		0,743	PORTÃO	10.004
MAC-0412		0,510	LAMBRIS	11.002
MAC-0413		0,737	BAÚ E CARROCERIA	23.004
MAC-0414	TG-007	0,782	TABELADOS	1.005
MAC-0415	TR-163	2,648	TABELADOS	1.006
MAC-0416	BC-060	0,437	TABELADOS	1.002
MAC-0418	TS-013	3,890	TABELADOS	1.008
MAC-0420	VR-002	0,086	TABELADOS	1.007
MAC-0421	VR-005	0,190	TABELADOS	1.007
MAC-0422	VR-010	0,342	TABELADOS	1.007
MAC-0423	VR-063	0,534	TABELADOS	1.007
MAC-0424	VR-016	0,770	TABELADOS	1.007
MAC-0425	VR-018	1,047	TABELADOS	1.007
MAC-0426	VR-020	1,368	TABELADOS	1.007
MAC-0427	VR-021	1,732	TABELADOS	1.007

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0428	VR-023	2,138	TABELADOS	1.007
MAC-0429	VR-024	2,586	TABELADOS	1.007
MAC-0430	VR-025	3,078	TABELADOS	1.007
MAC-0431	VR-027	3,610	TABELADOS	1.007
MAC-0432	VR-028	4,190	TABELADOS	1.007
MAC-0433	VR-053	4,810	TABELADOS	1.007
MAC-0434	VS-006	0,590	TABELADOS	1.007
MAC-0435	VS-007	0,849	TABELADOS	1.007
MAC-0436	VS-009	1,155	TABELADOS	1.007
MAC-0437	VS-011	1,509	TABELADOS	1.007
MAC-0443	SPI-013	1,289	INTEGRADA	19.008
MAC-0444		0,905	INTEGRADA	19.008
MAC-0449		0,256	VENEZIANAS	16.004
MAC-0450		0,547	MOVELEIRO	8.002
MAC-0452	CM-174	0,401	CONTRA MARCO ARREIMATE	2.002
MAC-0453		0,599	LINHA 25	3.002
MAC-0454		0,539	TABELADOS	1.005
MAC-0455	FA-230	0,780	FACHADA ATL	17.003
MAC-0456	FA-204	1,046	FACHADA ATL	17.004
MAC-0457	FA-245	0,744	FACHADA ATL	17.004
MAC-0460		0,777	DIVERSOS	25.002
MAC-0468		0,496	M6DULO PRÁTICO	13.002
MAC-0470	40-005	0,836	BAÚ E CARROCERIA	23.003
MAC-0471		1,150	BAÚ E CARROCERIA	23.003
MAC-0472	39-686	0,730	BAÚ E CARROCERIA	23.003
MAC-0473	40-003	0,558	BAÚ E CARROCERIA	23.003
MAC-0474		1,088	BAÚ E CARROCERIA	23.003
MAC-0475	TR-889	0,375	TABELADOS	1.006

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0476		0,318	TABELADOS	1.006
MAC-0477	TR-1136	0,332	TABELADOS	1.006
MAC-0478		0,190	TABELADOS	1.002
MAC-0479	BC-040	0,818	TABELADOS	1.002
MAC-0480	BC-071	2,185	TABELADOS	1.002
MAC-0481	CT-016	0,210	TABELADOS	1.004
MAC-0482		1,472	TABELADOS	1.003
MAC-0483	TR-069	0,315	TABELADOS	1.006
MAC-0484	TR-056	0,506	TABELADOS	1.006
MAC-0485	CM-060	0,269	CONTRA MARCO ARREIMATE	2.002
MAC-0488		0,409	MódULO PRÁTICO	13.002
MAC-0492		0,101	TABELADOS	1.002
MAC-0493	BC-069	1,092	TABELADOS	1.002
MAC-0494	CT-007	0,156	TABELADOS	1.004
MAC-0495	CT-016	0,210	TABELADOS	1.004
MAC-0496	LG-048	0,798	LINHA GOLD	15.009
MAC-0497	LG-049	0,907	LINHA GOLD	15.009
MAC-0498	CL-011	0,317	CONTRA MARCO ARREIMATE	2.002
MAC-0499	CL-006	1,004	CONTRA MARCO ARREIMATE	2.002
MAC-0500	Y-181	0,553	PORTÃO	10.002
MAC-0501		0,175	DIVISÓRIA	7.002
MAC-0502	DS-009	0,703	DIVISÓRIA	7.002
MAC-0503	DV-029	0,222	DIVISÓRIA	7.002
MAC-0504	LG-083	0,411	LINHA GOLD	15.012
MAC-0509		0,479	DIVERSOS	25.002
MAC-0510	DV-300	1,168	DIVISÓRIA	7.003
MAC-0511		0,279	MOVELEIRO	8.003
MAC-0512		0,371	MOVELEIRO	8.003

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0513		0,390	DIVERSOS	25.002
MAC-0514		0,126	TABELADOS	1.004
MAC-0515	CT-217	0,627	TABELADOS	1.004
MAC-0516		1,160	BAÚ E CARROCERIA	23.004
MAC-0517		0,400	BAÚ E CARROCERIA	23.005
MAC-0518		1,162	BAÚ E CARROCERIA	23.005
MAC-0519		0,430	BAÚ E CARROCERIA	23.005
MAC-0520		0,877	BAÚ E CARROCERIA	23.003
MAC-0521		0,168	BOX E TEMPERADOS	6.005
MAC-0523	73110	0,052	BOX E TEMPERADOS	6.007
MAC-0524	72344	0,220	BOX E TEMPERADOS	6.005
MAC-0525		0,158	BOX E TEMPERADOS	6.008
MAC-0526		0,575	BOX E TEMPERADOS	6.006
MAC-0527		0,250	BOX E TEMPERADOS	6.006
MAC-0528		0,526	BOX E TEMPERADOS	6.006
MAC-0529	GS078	0,152	BOX E TEMPERADOS	6.006
MAC-0530		0,119	BOX E TEMPERADOS	6.006
MAC-0531	GS077	0,163	BOX E TEMPERADOS	6.006
MAC-0532		0,269	BOX E TEMPERADOS	6.007
MAC-0533	420402	0,141	BOX E TEMPERADOS	6.008
MAC-0534		0,141	BOX E TEMPERADOS	6.008
MAC-0535	72466	0,218	BOX E TEMPERADOS	6.007
MAC-0536	72465	0,657	BOX E TEMPERADOS	6.007
MAC-0537	SU-086	0,586	LINHA SUPREMA	14.014
MAC-0538	25-542	0,580	LINHA 25	3.005
MAC-0539	BC-009	0,205	TABELADOS	1.002
MAC-0540	25-540	0,566	LINHA 25	3.005
MAC-0541	MN-003	1,092	INTEGRADA	19.003

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0542	MN-001	1,388	INTEGRADA	19.002
MAC-0543		0,548	TABELADOS	1.002
MAC-0544		0,732	GRADIL	18.004
MAC-0545		0,455	GRADIL	18.004
MAC-0546	TS-003	0,580	TABELADOS	1.008
MAC-0547	TS-004	0,865	TABELADOS	1.008
MAC-0548	TS-008	1,397	TABELADOS	1.008
MAC-0549	TS-009	1,881	TABELADOS	1.008
MAC-0550		0,420	TABELADOS	1.008
MAC-0551		0,584	TABELADOS	1.008
MAC-0552		0,919	TABELADOS	1.008
MAC-0553		1,300	TABELADOS	1.008
MAC-0554		0,645	TABELADOS	1.005
MAC-0555		0,531	BAÚ E CARROCERIA	23.004
MAC-0556	BG-001	0,517	BAÚ E CARROCERIA	23.004
MAC-0557	CG-012	0,504	GRADIL	18.005
MAC-0558		0,467	GRADIL	18.004
MAC-0559		0,320	DIVERSOS	25.002
MAC-0560	LG-085	0,497	LINHA GOLD	15.012
MAC-0561	SU-013	0,707	LINHA SUPREMA	14.005
MAC-0562	30-082	1,108	PORTA	4.003
MAC-0563	LG-068	0,389	LINHA GOLD	15.012
MAC-0564	30-026	0,738	PORTA	4.003
MAC-0565	30-023	0,542	PORTA	4.003
MAC-0566	BG-001	0,093	LINHA 25	3.002
MAC-0567	LG-059	0,168	LINHA GOLD	15.013
MAC-0568	30-077	0,682	PORTA	4.003
MAC-0569	LG-055	0,759	LINHA GOLD	15.007

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0570	SU-005	0,959	LINHA SUPREMA	14.003
MAC-0571	SU-013	0,699	LINHA SUPREMA	14.005
MAC-0572	SU-014	0,377	LINHA SUPREMA	14.005
MAC-0573	SU-250	0,734	LINHA SUPREMA	14.008
MAC-0574	42-012	0,853	PORTA	4.005
MAC-0576	TG-002	0,499	TABELADOS	1.005
MAC-0577		1,600	DIVERSOS	25.004
MAC-0578		3,210	DIVERSOS	25.004
MAC-0579		0,499	BOX E TEMPERADOS	6.002
MAC-0580	VZ-051	0,270	VENEZIANAS	16.004
MAC-0581	BC-326	0,102	TABELADOS	1.002
MAC-0582	BC-008	0,136	TABELADOS	1.002
MAC-0587		0,795	PORTÃO	10.005
MAC-0588	BC-017	0,327	TABELADOS	1.002
MAC-0590		2,580	DIVERSOS	25.004
MAC-0592		0,975	TABELADOS	1.002
MAC-0593		2,092	DIVERSOS	25.004
MAC-0597		0,295	MOSQUITEIRO	20.002
MAC-0598	TS-003	0,524	TABELADOS	1.008
MAC-0599		0,781	TABELADOS	1.008
MAC-0600		1,001	TABELADOS	1.008
MAC-0601	TS-008	1,249	TABELADOS	1.008
MAC-0602	TS-009	1,680	TABELADOS	1.008
MAC-0603	TS-011	2,787	TABELADOS	1.008
MAC-0604		0,519	DIVERSOS	25.005
MAC-0605		0,853	DIVERSOS	25.005
MAC-0606		1,507	PORTA	4.005
MAC-0607		1,225	BAÚ E CARROCERIA	23.005

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0608		1,428	BAÚ E CARROCERIA	23.006
MAC-0609		0,573	BAÚ E CARROCERIA	23.006
MAC-0611		0,439	BAÚ E CARROCERIA	23.006
MAC-0612		0,429	BAÚ E CARROCERIA	23.006
MAC-0613	CT-218	0,436	TABELADOS	1.004
MAC-0629	VZ-006	0,304	VENEZIANAS	16.005
MAC-0630		0,923	DIVERSOS	25.005
MAC-0631		0,267	MOVELEIRO	8.003
MAC-0639	SU-093	0,281	LINHA SUPREMA	14.018
MAC-0640		1,275	LINHA GOLD	15.009
MAC-0641	SU-260	0,612	LINHA SUPREMA	14.004
MAC-0642	42-032	1,373	PORTA	4.006
MAC-0644	SU-289	1,210	LINHA SUPREMA	14.010
MAC-0645		0,676	LINHA SUPREMA	14.017
MAC-0647	42-014	0,370	PORTA	4.005
MAC-0648	BG-037	0,193	PORTA	4.006
MAC-0649		0,314	TABELADOS	1.005
MAC-0650		0,215	VENEZIANAS	16.004
MAC-0651	VZ-006	0,297	VENEZIANAS	16.005
MAC-0654	TR-005	0,150	TABELADOS	1.006
MAC-0655		0,856	DIVERSOS	25.006
MAC-0660		0,616	DIVERSOS	25.006
MAC-0662		0,360	DIVERSOS	25.006
MAC-0666	SU-094	0,368	LINHA SUPREMA	14.018
MAC-0667		0,282	VENEZIANAS	16.002
MAC-0668	FC-012	1,244	FACHADA GRID	24.002
MAC-0669	FC-013	0,242	FACHADA GRID	24.002
MAC-0670	FC-014	0,383	FACHADA GRID	24.002

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0671		0,149	SMART	12.001
MAC-0672		0,221	SMART	12.001
MAC-0673	FA-255	0,766	FACHADA ATL	17.005
MAC-0674	FA-400	1,744	FACHADA ATL	17.005
MAC-0675	FA-347	1,292	FACHADA ATL	17.005
MAC-0676		0,702	DIVERSOS	25.006
MAC-0684		0,244	MOVELEIRO	8.003
MAC-0685		0,158	MOVELEIRO	8.003
MAC-0686		0,245	BOX E TEMPERADOS	6.009
MAC-0687		0,634	BOX E TEMPERADOS	6.009
MAC-0689		0,980	LAMBRIS	11.004
MAC-0690	PC-010	1,114	PORTÃO	10.004
MAC-0691	42-032	1,427	PORTA	4.005
MAC-0692		0,321	BOX E TEMPERADOS	6.009
MAC-0693		0,277	CONTRA MARCO ARREIMATE	2.003
MAC-0694		0,095	BOX E TEMPERADOS	6.009
MAC-0695		0,220	BOX E TEMPERADOS	6.009
MAC-0696		0,725	PORTÃO	10.005
MAC-0697		1,105	PORTÃO	10.005
MAC-0698		0,275	BOX E TEMPERADOS	6.009
MAC-0699		0,653	LAMBRIS	11.004
MAC-0704		0,284	DIVERSOS	25.003
MAC-0705		0,248	PORTA	4.007
MAC-0706		0,260	PORTA	4.007
MAC-0707		0,213	SMART	12.001
MAC-0708		0,873	LAMBRIS	11.003
MAC-0721		1,588	LAMBRIS	11.003
MAC-0722	SU-047	0,969	LINHA SUPREMA	14.009

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0723	SU-058	0,437	LINHA SUPREMA	14.009
MAC-0724	SU-096	0,270	LINHA SUPREMA	14.015
MAC-0725	SU-098	0,398	LINHA SUPREMA	14.015
MAC-0726	SU-108	0,124	LINHA SUPREMA	14.016
MAC-0727	SU-192	0,522	LINHA SUPREMA	14.009
MAC-0728	SU-226	1,015	LINHA SUPREMA	14.013
MAC-0729	SU-242	0,669	LINHA SUPREMA	14.009
MAC-0730	SU-243	0,632	LINHA SUPREMA	14.009
MAC-0731	SU-245	0,605	LINHA SUPREMA	14.010
MAC-0733	LG-124	0,773	LINHA GOLD	15.004
MAC-0735	CM-029	0,283	CONTRA MARCO ARREIMATE	2.003
MAC-0736	SU-004	0,506	LINHA SUPREMA	14.004
MAC-0737	SU-042	0,630	LINHA SUPREMA	14.008
MAC-0738	SU-044	0,958	LINHA SUPREMA	14.010
MAC-0739	SU-068	0,496	LINHA SUPREMA	14.011
MAC-0740	SU-069	0,577	LINHA SUPREMA	14.011
MAC-0741		0,128	LINHA SUPREMA	14.017
MAC-0742	SU-088	0,301	LINHA SUPREMA	14.018
MAC-0743	SU-191	0,520	LINHA SUPREMA	14.011
MAC-0744	SU-230	0,932	LINHA SUPREMA	14.006
MAC-0745	SU-292	0,212	LINHA SUPREMA	14.018
MAC-0746	CM-111	0,172	CONTRA MARCO ARREIMATE	2.003
MAC-0747	LG-074	0,764	LINHA GOLD	15.012
MAC-0748	LG-077	0,300	LINHA GOLD	15.012
MAC-0749	LG-079	0,772	LINHA GOLD	15.012
MAC-0750	LG-091	0,130	LINHA GOLD	15.013
MAC-0751	LG-162	1,180	LINHA GOLD	15.010
MAC-0752	LG-164	0,149	LINHA GOLD	15.013

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0753	SU-049	1,136	LINHA SUPREMA	14.009
MAC-0754	SU-070	0,566	LINHA SUPREMA	14.011
MAC-0755	SU-110	0,540	LINHA SUPREMA	14.017
MAC-0756	SU-120	0,457	LINHA SUPREMA	14.017
MAC-0757	SU-228	0,683	LINHA SUPREMA	14.004
MAC-0758	SU-290	1,210	LINHA SUPREMA	14.010
MAC-0761	VZ-006	0,291	VENEZIANAS	16.005
MAC-0764	25-548	0,243	LINHA 25	3.005
MAC-0765		0,318	BOX E TEMPERADOS	6.010
MAC-0766	CM-130	0,166	CONTRA MARCO ARREIMATE	2.003
MAC-0773	FC-017	1,683	FACHADA GRID	24.003
MAC-0774	LG-201	1,183	LINHA GOLD	15.014
MAC-0775		0,184	LINHA GOLD	15.014
MAC-0776		0,118	DIVERSOS	25.002
MAC-0778		1,221	DIVISÓRIA	7.003
MAC-0779	CM-110	0,204	CONTRA MARCO ARREIMATE	2.002
MAC-0780		0,296	CONTRA MARCO ARREIMATE	2.003
MAC-0783		0,117	LINHA SUPREMA	14.016
MAC-0784	SU-071	0,276	LINHA SUPREMA	14.017
MAC-0785	MN-014	0,210	CONTRA MARCO ARREIMATE	2.004
MAC-0801	FC-542	0,298	FACHADA GRID	24.003
MAC-0802		0,255	SMART	12.001
MAC-0803		0,179	SMART	12.001
MAC-0804		0,149	SMART	12.002
MAC-0805		0,124	SMART	12.002
MAC-0806		0,134	SMART	12.002
MAC-0807		0,169	SMART	12.002
MAC-0818		0,695	TABELADOS	1.005

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0819		1,993	TABELADOS	1.005
MAC-0820		0,820	PORTÃO	10.003
MAC-0821		0,608	PORTÃO	10.002
MAC-0822		0,796	PORTÃO	10.003
MAC-0843	MG32-058	0,741	INTEGRADA	19.003
MAC-0844	FC-543	0,421	FACHADA GRID	24.003
MAC-0864		1,461	LAMBRIS	11.003
MAC-0865		1,091	PORTA	4.004
MAC-0866		1,942	PORTA	4.006
MAC-0868		0,156	BOX E TEMPERADOS	6.010
MAC-0876	FA-515	1,466	FACHADA ATL	17.006
MAC-0877	WZM-086	0,315	DIVERSOS	25.003
MAC-0878	WZM-087	0,278	DIVERSOS	25.003
MAC-0879	L-519	0,262	PORTA	4.004
MAC-0880	L-715	0,255	LINHA 25	3.005
MAC-0881	L-1405	0,083	TABELADOS	1.004
MAC-0882	MG25-247	0,863	LINHA SUPREMA	14.018
MAC-0883		0,346	BOX E TEMPERADOS	6.010
MAC-0884	FA-516	0,894	FACHADA ATL	17.006
MAC-0885	U-1098	0,462	PORTÃO	10.005
MAC-0886	U-990	0,709	PORTÃO	10.005
MAC-0887		0,906	BOX E TEMPERADOS	6.009
MAC-0888		0,147	BOX E TEMPERADOS	6.010
MAC-0889	U-482	0,114	PORTA	4.003
MAC-0890	42-035	1,086	PORTA	4.006
MAC-0891	A-104	0,902	PORTA	4.007
MAC-0892	FA-233	0,936	FACHADA ATL	17.006

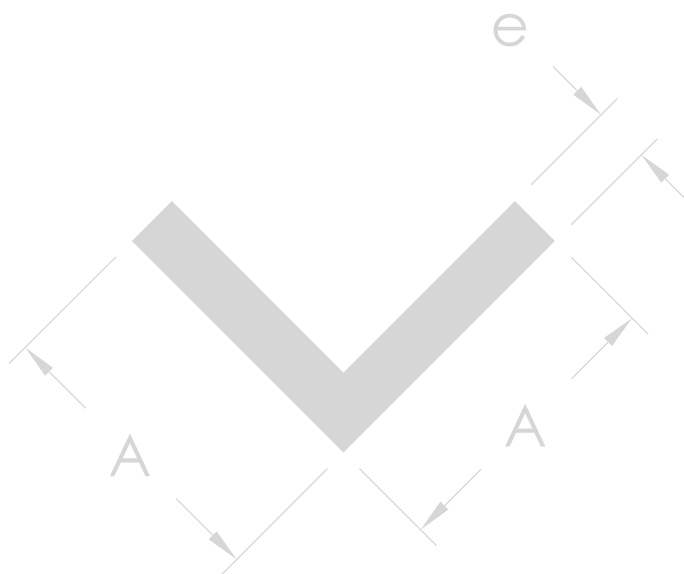
CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0893	FA-242	1,357	FACHADA ATL	17.007
MAC-0894	FA-262	1,535	FACHADA ATL	17.007
MAC-0895	LG-051	0,916	LINHA GOLD	15.008
MAC-0896	LG-053	1,650	LINHA GOLD	15.014
MAC-0897	LG-054	1,576	LINHA GOLD	15.014
MAC-0903	P-279	1,105	PORTA	4.007
MAC-0904	P-358	0,895	PORTA	4.004
MAC-0935		0,284	BOX E TEMPERADOS	6.011
MAC-0936		0,150	BOX E TEMPERADOS	6.011
MAC-0937		0,153	BOX E TEMPERADOS	6.011
MAC-0938		0,458	BOX E TEMPERADOS	6.011
MAC-0939		0,068	BOX E TEMPERADOS	6.011
MAC-0940		0,185	BOX E TEMPERADOS	6.012
MAC-0941		0,217	BOX E TEMPERADOS	6.012
MAC-0942		0,241	BOX E TEMPERADOS	6.012
MAC-0943		0,383	BOX E TEMPERADOS	6.012
MAC-0944		0,245	BOX E TEMPERADOS	6.012
MAC-0945		0,633	BOX E TEMPERADOS	6.012
MAC-0946		0,097	BOX E TEMPERADOS	6.012
MAC-0947		0,174	BOX E TEMPERADOS	6.012
MAC-0948		0,135	BOX E TEMPERADOS	6.011
MAC-0949		0,227	BOX E TEMPERADOS	6.011
MAC-0950		0,142	BOX E TEMPERADOS	6.011
MAC-0952		0,444	SMART	12.004
MAC-0953		0,884	SMART	12.004
MAC-0954		0,898	SMART	12.004
MAC-0955	FA-294	0,810	FACHADA ATL	17.006
MAC-0967	MN-031	1,331	INTEGRADA	19.005

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-0968	MN-032	1,723	INTEGRADA	19.006
MAC-0969	LG-071	2,014	LINHA GOLD	15.015
MAC-0970	LG-072	1,223	LINHA GOLD	15.015
MAC-0973		0,153	TABELADOS	1.006
MAC-0974	SU-291	0,263	LINHA SUPREMA	14.017
MAC-0976	SU-124	1,198	LINHA SUPREMA	14.007
MAC-0977		1,035	LAMBRIS	11.005
MAC-0980	OI-001	0,705	INTEGRADA	19.009
MAC-0981	OI-002	0,827	INTEGRADA	19.009
MAC-0982	OI-003	0,577	INTEGRADA	19.010
MAC-0983	OI-004	1,919	INTEGRADA	19.009
MAC-0984	OI-007	0,680	INTEGRADA	19.012
MAC-0985	OI-008	0,915	INTEGRADA	19.011
MAC-0986	OI-009	0,683	INTEGRADA	19.011
MAC-0987	OI-010	0,577	INTEGRADA	19.010
MAC-0988	OI-027	0,976	INTEGRADA	19.012
MAC-0989	OI-039	0,927	INTEGRADA	19.014
MAC-0990	OI-040	1,194	INTEGRADA	19.014
MAC-0991	OI-079	0,953	INTEGRADA	19.012
MAC-0992	VNI-035	1,218	INTEGRADA	19.013
MAC-0993	VNI-301	1,043	INTEGRADA	19.015
MAC-0994	VNI-302	2,150	INTEGRADA	19.015
MAC-0995	VNI-321	0,870	INTEGRADA	19.013
MAC-0996	VNI-322	1,562	INTEGRADA	19.013
MAC-0997		1,141	PORTA	4.008
MAC-0998		0,382	PORTA	4.008
MAC-0999		0,084	PORTA	4.008
MAC-1000	PR-005	1,135	LAMBRIS	11.005

CÓDIGO	MERCADO	PESO (kg/m)	CONTEÚDO	PÁG.
MAC-1001		0,872	PORTA	4.009
MAC-1002		0,468	PORTA	4.008
MAC-1003		1,113	PORTA	4.009
MAC-1004		0,315	PORTA	4.008
MAC-1013		0,447	TABELADOS	1.006
MAC-1132		0,086	ESCADA	21.002
MAC-1133		0,100	ESCADA	21.002
MAC-1135		1,416	ESCADA	21.002
MAC-1136		0,319	ESCADA	21.003
MAC-1137		0,504	ESCADA	21.003
MAC-1138		0,532	ESCADA	21.003
MAC-1182		0,285	TABELADOS	1.003
MAC-1185		0,285	TABELADOS	1.003

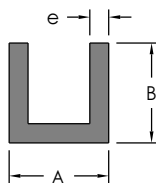
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TABELADOS

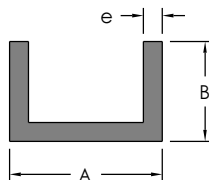


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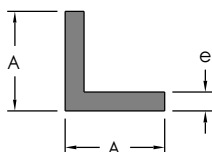

CÓDIGO	MERCADO	MILÍMETROS		POLEGADAS		PESO
		A	e	A	e	
MAC-0029	BC-140	9,52	3,17	3/8"	1/8"	0,082
MAC-0350	BC-002	12,70	3,17	1/2"	1/8"	0,109
MAC-0492		15,00	2,00			0,101
MAC-0581	BC-326	15,87	2,38	5/8"		1,102
MAC-0582	BC-008	15,87	3,17	5/8"	1/8"	0,136
MAC-0539	BC-009	15,87	4,76	5/8"	3/16"	0,205
MAC-0117	BC-016	19,05	4,76	3/4"	3/16"	0,245
MAC-0588	BC-017	19,05	6,35	3/4"	1/4"	0,327
MAC-0347	BC-025	25,40	3,17	1"	3/8"	0,218
MAC-0344	BC-026	25,40	4,76	1"	3/16"	0,327
MAC-0345	BC-027	25,40	6,35	1"	1/4"	0,437
MAC-0120	BC-029	25,40	9,52	1"	3/8"	0,655
MAC-0478		22,00	3,17		1/8"	0,190
MAC-0479	BC-040	31,75	9,52	1.1/4"	3/8"	0,818
MAC-0122	BC-050	38,10	3,17	1.1/2"	1/8"	0,317
MAC-0118	BC-051	38,10	4,76	1.1/2"	3/16"	0,491
MAC-0115	BC-052	38,10	6,35	1.1/2"	1/4"	0,655
MAC-0159	BC-053	38,10	9,52	1.1/2"	3/8"	0,984
MAC-0416	BC-060	50,80	3,17	2"	1/8"	0,437
MAC-0119	BC-061	50,80	4,76	2"	3/16"	0,655
MAC-0116	BC-062	50,80	6,35	2"	1/4"	0,874
MAC-0264	BC-063	50,80	9,52	2"	3/8"	1,31
MAC-0184	BC-064	50,80	12,70	2"	1/2"	1,748
MAC-0266	BC-158	50,80	15,87	2"	5/8"	2,184
MAC-0268	BC-065	50,80	19,05	2"	3/4"	2,622
MAC-0269	BC-114	50,80	25,40	2"	1"	3,496
MAC-0493	BC-069	63,50	6,35	2.1/2"	1/4"	1,092
MAC-0480	BC-071	63,50	12,70	2.1/2"	1/2"	2,185
MAC-0056	BC-131	76,10	6,35	3"	1/4"	1,311
MAC-0265	BC-132	76,20	9,52	1.1/2"	3/8"	1,965
MAC-0185	BC-073	76,10	12,70	3"	1/2"	2,623
MAC-0267	BC-191	76,20	15,87	3"	5/8"	3,276
MAC-0270	BC-129	76,20	25,40	3"	1"	5,244
MAC-0543		81,00	2,50			0,548
MAC-0263	BC-082	101,60	6,35	4"	1/4"	1,748
MAC-0114	BC-083	101,60	9,52	4"	3/8"	2,621
MAC-0121	B-C084	101,60	12,70	4"	1/2"	3,496
MAC-0592		120,00	3,00			975

Perfil "U" abas iguais


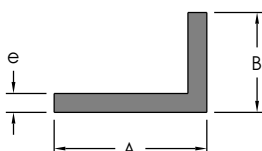
CÓDIGO	MERCADO	MILÍMETROS		POLEGADAS		PESO
		A	e	A	e	
MAC-0050	PU-001	9,52	1,58	3/8"	1/16"	0,108
MAC-0015	PU-041	12,70	1,40	1/2"		0,133
MAC-0014		15,87	1,30	5/8"		0,158

Perfil "U" abas desiguais


CÓDIGO	MERCADO	MILÍMETROS			POLEGADAS			PESO
		A	B	e	A	B	e	
MAC-0016		15,87	25,40	1,00	5/8"	1"		0,208
MAC-0482		25,40	76,20	3,17	1"	3"	1/8"	1,472
MAC-1185		26,00	32,00	1,20				0,285

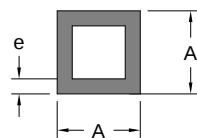
Cantoneira abas iguais


CÓDIGO	MERCADO	MILÍMETROS		POLEGADAS		PESO
		A	e	A	e	
MAC-0002	CT-083	12,70	1,00	1/2"		0,065
MAC-0881	L-1405	15,87	1,00	5/8"		0,083
MAC-0003		19,05	1,00	3/4"		0,100
MAC-0494	CT-007	19,05	1,58	3/4"	1/16"	0,156
MAC-0004	CT-015	25,40	1,00	1"		0,134
MAC-0481	CT-016	25,40	1,58	1"	1/16"	0,210
MAC-0495	CT-016	25,40	1,58	1"	1/16"	0,210
MAC-0359		25,40	2,00	1"		0,264
MAC-0343	CT-019	25,40	3,17	1"	1/8"	0,409
MAC-0356	CT-022	31,75	3,17	1.1/4"	1/8"	0,518
MAC-0355	CT-023	31,75	4,76	1.1/4"	3/16"	0,757
MAC-0006	CT-047	38,10	1,58	1.1/2"	1/16"	0,321
MAC-0005	CT-032	50,80	3,00	2"		0,801
MAC-0271	CT-034	50,80	6,35	2"	1/4"	1,639

Cantoneira abas desiguais


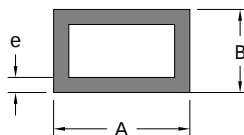
CÓDIGO	MERCADO	MILÍMETROS			POLEGADAS			PESO
		A	B	e	A	B	e	
MAC-0514		19,00	6,35	2,00		1/4"		0,126
MAC-0515	CT-217	50,80	25,40	3,17	2"	1"	1/8"	0,627
MAC-0613	CT-218	50,80	31,75	2,00	2"	1.1/4"		0,436

Tubo quadrado



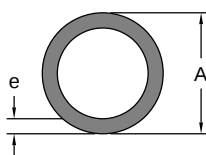
CÓDIGO	MERCADO	MILÍMETROS		POLEGADAS		PESO
		A	e	A	e	
MAC-0354	TQ-004	19,05	1,00	3/4"		0,196
MAC-0139	TQ-006	19,05	1,50	3/4"		0,284
MAC-0007	TQ-023	25,40	1,00	1"		0,263
MAC-0384	TQ-007	25,40	1,20	1"		0,314
MAC-0053	TQ-073	25,40	1,50	1"		0,389
MAC-0357	TQ-060	38,10	1,50	1.1/2"		0,595
MAC-0454		50,80	1,00	2"		0,539
MAC-0818		50,80	1,30	2"		0,695
MAC-0150	TUB-4020	50,80	1,40	2"		0,749
MAC-0554		50,80	1,20	2"		0,645
MAC-0363	TQ-017	50,80	2,00	2"		1,057
MAC-0369		76,20	1,58	3"	1/16"	1,278
MAC-0819		101,60	1,85	4"		1,993
MAC-0296	TQ-034	101,60	2,50	4"		2,686

Tubo retangular



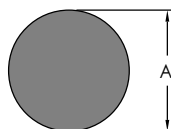
CÓDIGO	MERCADO	MILÍMETROS			POLEGADAS			PESO
		A	B	e	A	B	e	
MAC-0035		25,40	12,70	1,00	1"	1/2"		0,196
MAC-0576	TG-002	30,00	20,00	2,00				0,499
MAC-0361		38,10	25,40	1,20	1.1/2"	1"		0,397
MAC-0649		50,00	10,00	1,00				0,314
MAC-0028	TG-083	50,80	12,70	1,10	2"	1/2"		0,365
MAC-0009	TG-073	50,80	25,40	1,00	2"	1"		0,402
MAC-0365	TG-071	50,80	25,40	1,20	2"	1"		0,480
MAC-0362	TG-005	50,80	25,40	1,50	2"	1"		0,595
MAC-0414	TG-007	50,80	25,40	2,00	2"	1"		0,782
MAC-0042		76,20	38,10	1,40	3"	1.1/2"		0,846
MAC-0036		101,60	50,80	1,30	4"	2"		1,055
MAC-0010		101,60	50,80	1,80	4"	2"		1,451
MAC-0034	TG-072	101,60	50,80	2,00	4"	2"		1,608
MAC-0295	TG-082	152,40	50,80	3,00	6"	2"		3,206

Tubo redondo



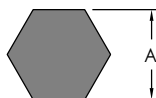
CÓDIGO	MERCADO	MILÍMETROS		POLEGADAS		PESO
		A	e	A	e	
MAC-0187		7,93	1,00	5/16"		0,059
MAC-0221		9,52	1,00	3/8"		0,073
MAC-0348	TR-002	9,52	1,58	3/8"	1/16"	0,107
MAC-0011	TR-1015	12,70	1,00	1/2"		0,099
MAC-0349	TR-005	12,70	1,58	1/2"	1/16"	0,150
MAC-0654	TR-005	12,70	1,58	1/2"	1/16"	0,150
MAC-0192		15,00	1,00			0,119
MAC-0186	TR-011	15,87	1,00	5/8"		0,126
MAC-0063	TR-012	15,87	1,20	5/8"		0,149
MAC-0973		19,05	1,00	3/4"		0,153
MAC-0008	TR-019	19,05	1,20	3/4"		0,182
MAC-0026	TR-020	19,05	1,58	3/4"	1/16"	0,235
MAC-0067		19,05	6,35	3/4"	1/4"	0,686
MAC-0033	TR-032	22,22	1,00	7/8"		0,180
MAC-0062	TR-035	22,22	1,58	7/8"	1/16"	0,278
MAC-0475	TR-889	24,00	2,00			0,375
MAC-0476		25,00	1,60			0,318
MAC-0027	TR-039	25,40	1,00	1"		0,207
MAC-0346	TR-923	25,40	1,20	1"		0,247
MAC-0057	TR-040	25,40	1,58	1"	1/16"	0,320
MAC-0342	TR-041	25,40	2,00	1"		0,398
MAC-0222	TR-043	25,40	3,17	1"	1/8"	0,599
MAC-0477	TR-1136	26,00	1,60			0,332
MAC-0294	TR-866	31,75	1,00	1.1/4"		0,262
MAC-0058	TR-055	31,75	1,58	1.1/4"	1/16"	0,405
MAC-0484	TR-056	31,75	2,00	1.1/4"		0,506
MAC-0061	TR-058	31,75	3,17	1.1/4"	1/8"	0,771
MAC-0483	TR-069	38,10	1,00	1.1/2"		0,315
MAC-0064	TR-070	38,10	1,58	1.1/2"	1/16"	0,492
MAC-0012	TR-073	38,10	3,17	1.1/2"	1/8"	0,942
* MAC-1013	NI-492	39,00	1,14			0,447
MAC-0260	CO-1276	39,20	1,80			0,573
MAC-0189	TR-907	50,80	1,20	2"		0,506
MAC-0223	TR-098	50,80	1,58	2"	1/16"	0,661
MAC-0060	TR-100	50,80	3,17	2"	1/8"	1,284
MAC-0246	5954	59,30	2,50			1,208
MAC-0368	TR-874	76,20	1,27	3"		0,810
MAC-0059	TR-136	76,20	3,17	3"	1/8"	1,970
MAC-0415	TR-163	101,60	3,17	4"	1/8"	2,648

Vergalhão redondo



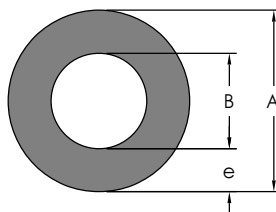
CÓDIGO	MERCADO	MILÍMETROS	POLEGADAS	PESO
		A	A	
MAC-0420	VR-002	6,35	1/4"	0,086
MAC-0421	VR-005	9,52	3/8"	0,190
MAC-0422	VR-010	12,70	1/2"	0,342
MAC-0423	VR-063	15,87	5/8"	0,534
MAC-0424	VR-016	19,05	3/4"	0,770
MAC-0425	VR-018	22,22	7/8"	1,047
MAC-0426	VR-020	25,40	1"	1,368
MAC-0427	VR-021	28,57	1.1/8"	1,732
MAC-0428	VR-023	31,75	1.1/4"	2,138
MAC-0429	VR-024	34,92	1.3/8"	2,586
MAC-0430	VR-025	38,10	1.1/2"	3,078
MAC-0431	VR-027	41,27	1.5/8"	3,610
MAC-0432	VR-028	44,45	1.3/4"	4,190
MAC-0433	VR-053	47,62	1.7/8"	4,810

Vergalhão sextavado



CÓDIGO	MERCADO	MILÍMETROS	POLEGADAS	PESO
		A	A	
MAC-0434	VS-006	15,87	5/8"	0,590
MAC-0435	VS-007	19,05	3/4"	0,849
MAC-0436	VS-009	22,22	7/8"	1,155
MAC-0437	VS-011	25,40	1"	1,509

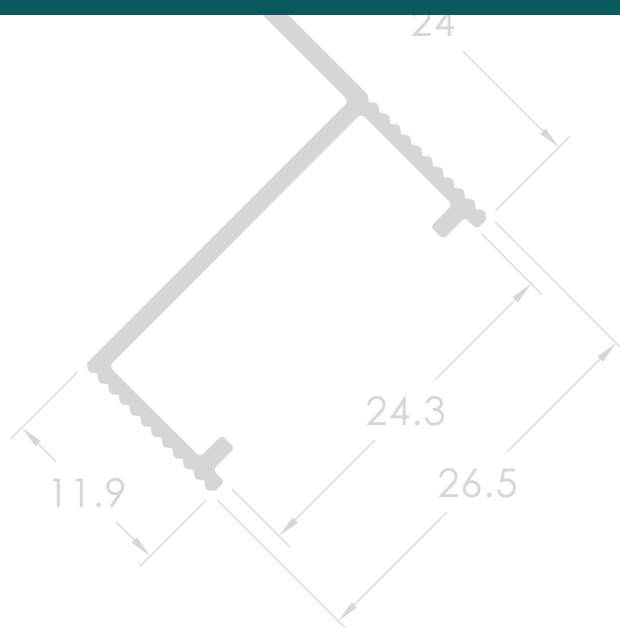
Shedule 40



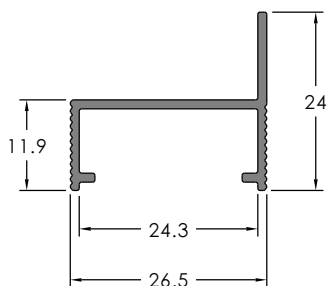
CÓDIGO	MERCADO	SCH	N	MILÍMETROS			PESO
				A	B	e	
MAC-0546	TS-003	40	3/4"	26,67	20,93	2,87	0,580
MAC-0598	TS-003	40		26,67	21,57	2,55	0,524
MAC-0550		40		26,70	22,70	2,00	0,420
MAC-0547	TS-004	40	1"	33,40	26,64	3,38	0,865
MAC-0551		40		33,40	29,00	2,20	0,584
MAC-0599		40		33,4	27,36	3,02	0,781
MAC-0402	TS-007	40	1.1/4"	42,17	35,05	3,56	1,170
MAC-0600		40		42,2	36,20	3,00	1,001
MAC-0548	TS-008	40	1.1/2"	48,26	40,90	3,68	1,397
MAC-0601	TS-008	40		48,26	41,74	3,26	1,249
MAC-0552		40		48,30	43,60	2,35	0,919
MAC-0553		40		60,30	55,00	2,65	1,300
MAC-0602	TS-009	40		60,30	53,36	3,47	1,680
MAC-0549	TS-009	40	2"	60,33	52,51	3,91	1,881
MAC-0603	TS-011	40		73,00	63,40	4,80	2,787
MAC-0418	TS-013	40	3"	88,90	77,92	5,49	3,890

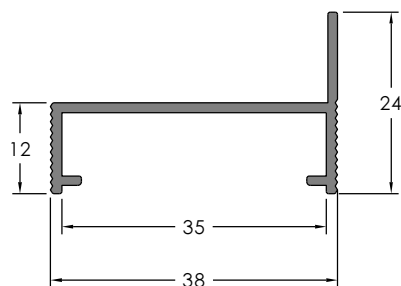
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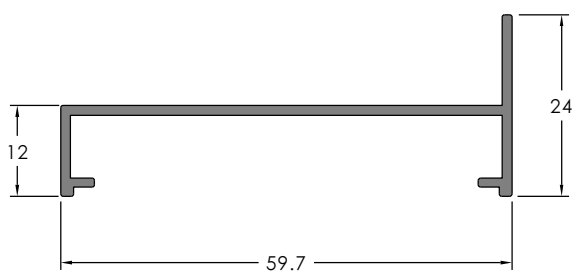
CONTRA MARCO ARREMATE

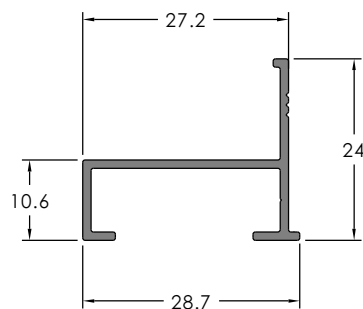


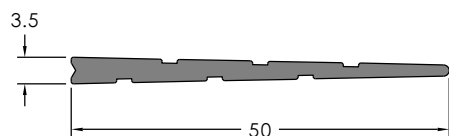
MAC-0382 0,181 Kg/m

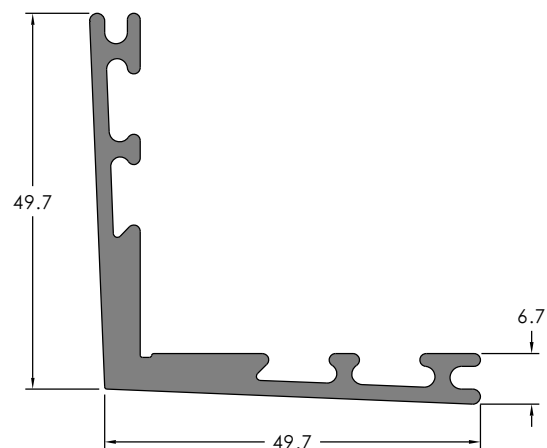
CM-200

MAC-0485 0,269 Kg/m

CM-060

MAC-0452 0,347 Kg/m

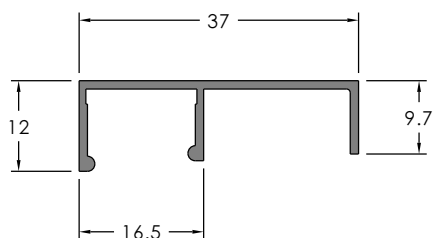
CM-174

MAC-0779 0,204 Kg/m

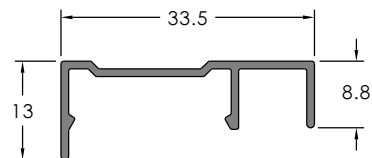
CM-110

MAC-0498 0,317 Kg/m

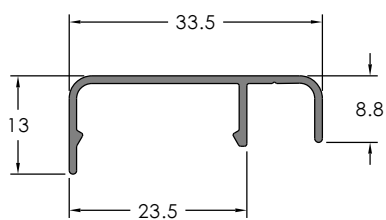
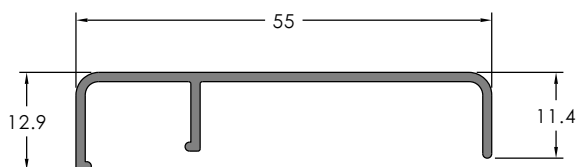
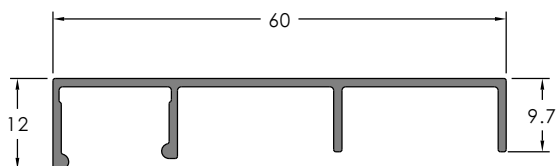
CL-011

MAC-0499 1,004 Kg/m

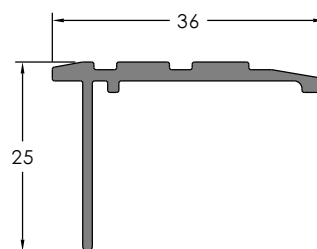
CL-006


MAC-0066 0,201 Kg/m

MP-347

MAC-0746 0,172 Kg/m

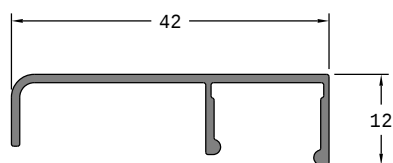
CM-111

MAC-0766 0,166 Kg/m

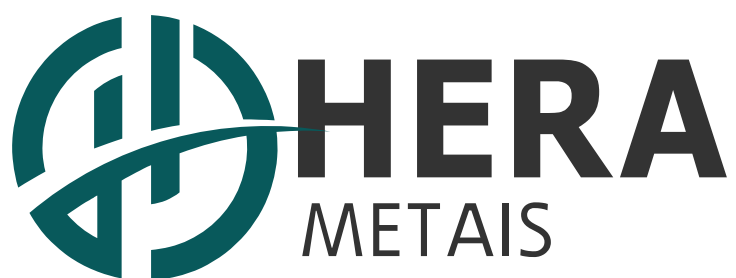
CM-130

MAC-0693 0,277 Kg/m

MAC-0780 0,296 Kg/m

MAC-0735 0,283 Kg/m

CM-029


MAC-0785 0,210 Kg/m

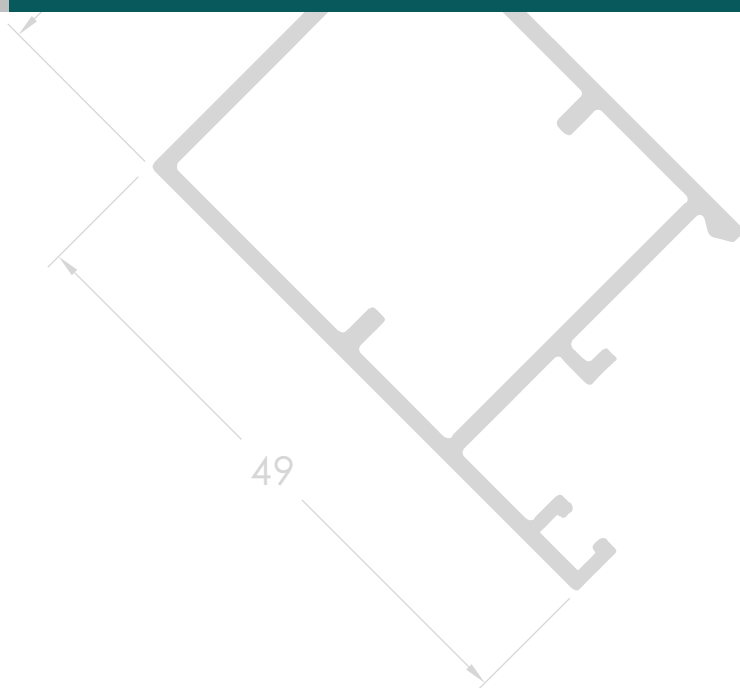
MN-014





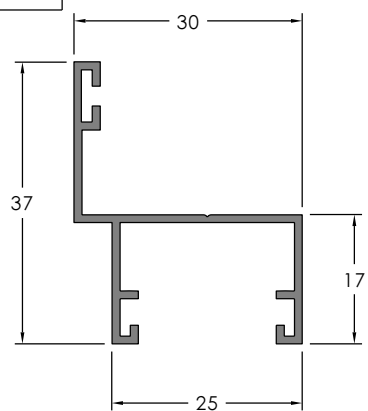
3

LINHA 25

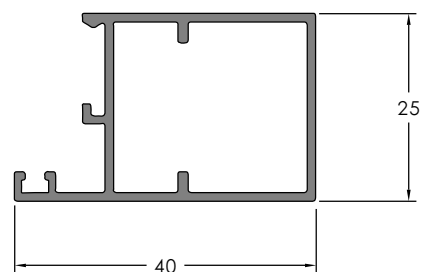


MAC-0038 0,305 Kg/m

25-002

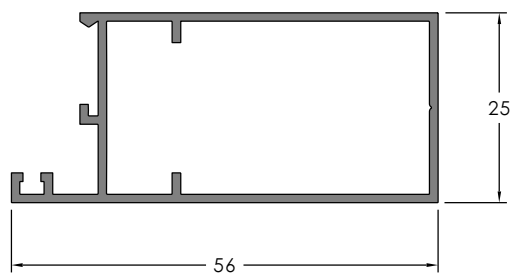


MAC-0140 0,434 Kg/m

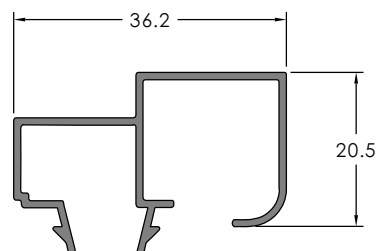


MAC-0039 0,536 Kg/m

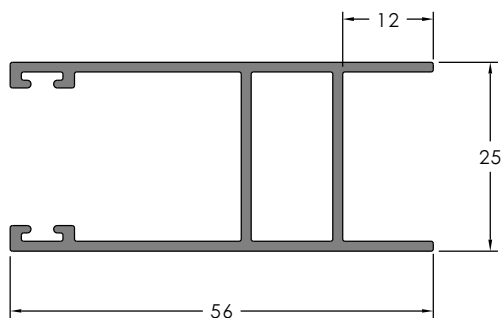
25-504



MAC-0130 0,307 Kg/m

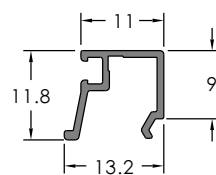


MAC-0453 0,599 Kg/m



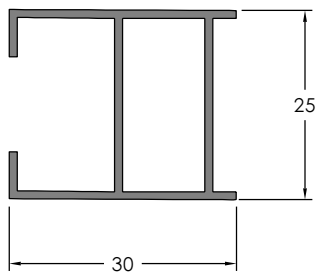
MAC-0566 0,093 Kg/m

BG-001

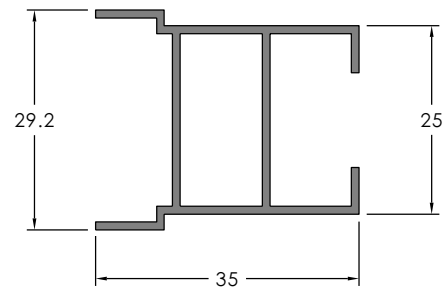


MAC-0127 0,345 Kg/m

72371

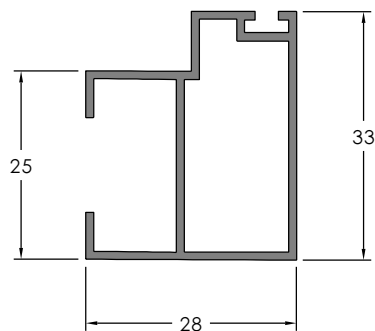


MAC-0128 0,387 Kg/m



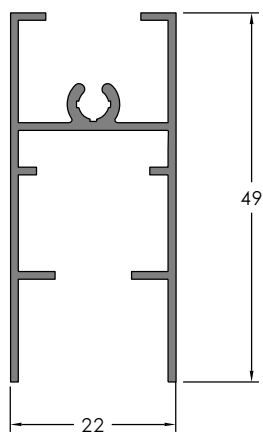
MAC-0126 0,403 Kg/m

72373

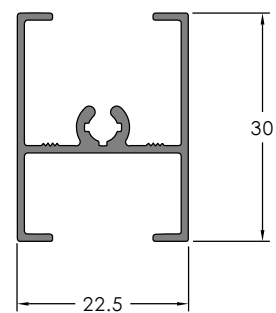


MAC-0129 0,464 Kg/m

72374

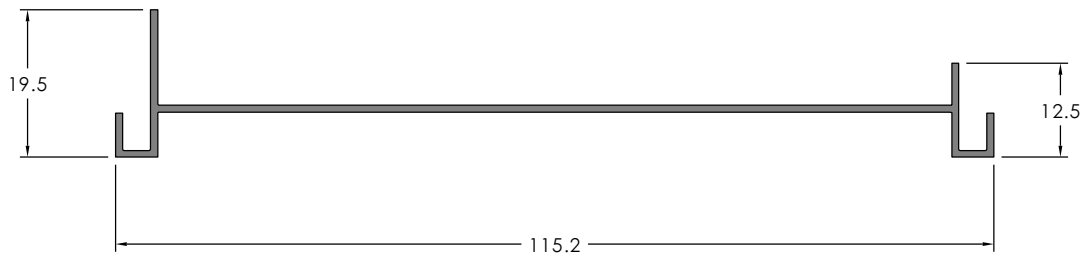


MAC-0262 0,308 Kg/m



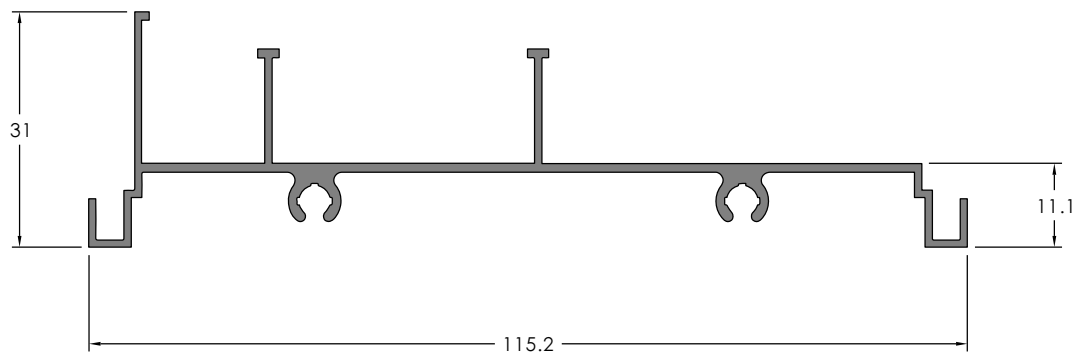
MAC-0125 0,461 Kg/m

72378



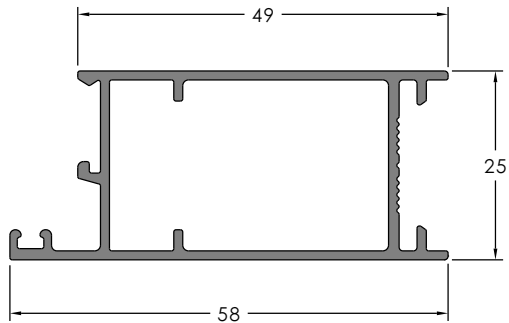
MAC-0124 0,787 Kg/m

72376



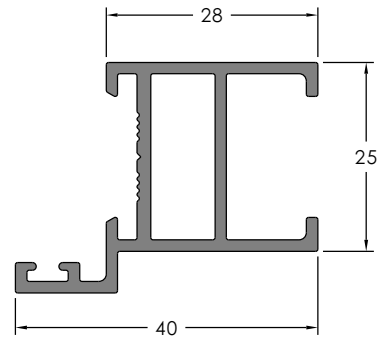
MAC-0538 0,580 Kg/m

25-542



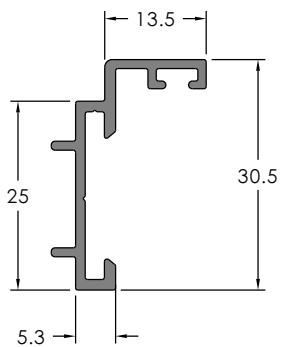
MAC-0540 0,566 Kg/m

25-540



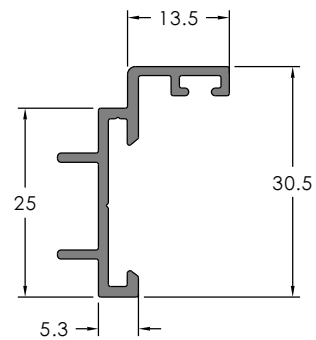
MAC-0764 0,243 Kg/m

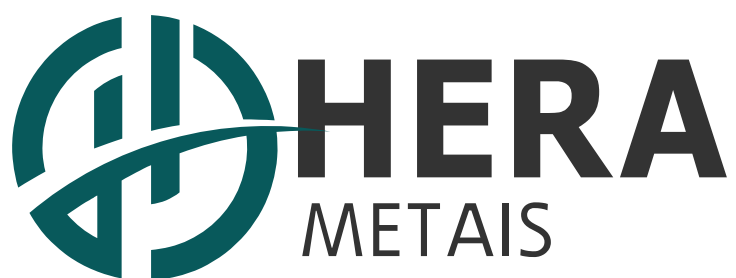
25-548



MAC-0880 0,255 Kg/m

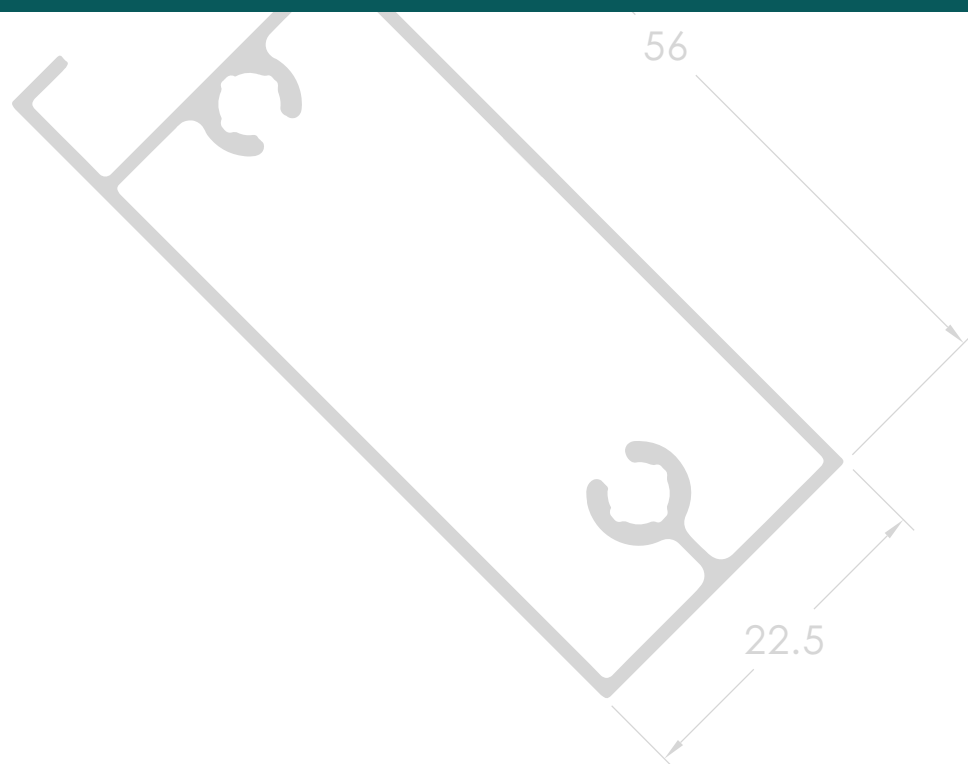
L-715



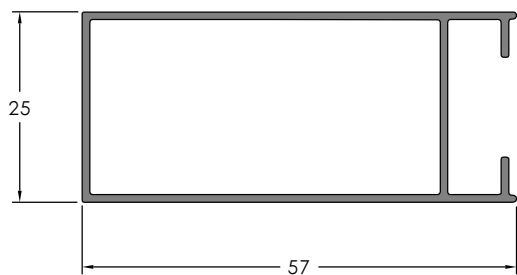


4

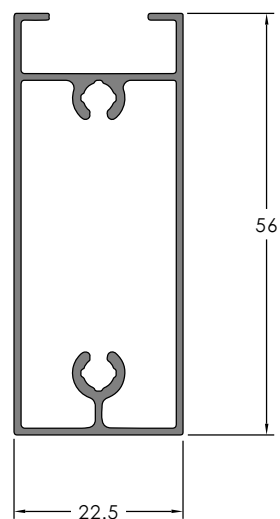
PORTA



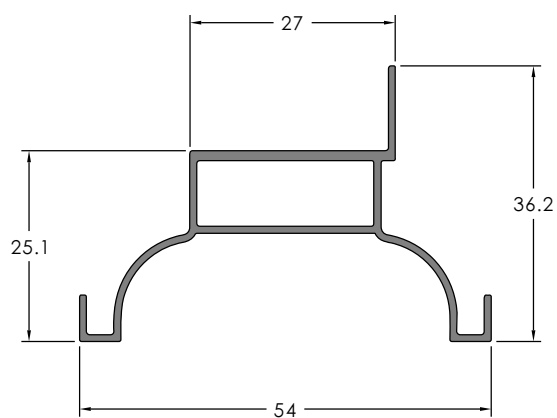
MAC-0086 0,504 Kg/m



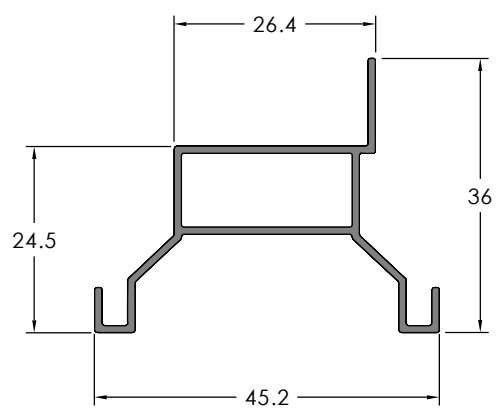
MAC-0087 0,551 Kg/m



MAC-0123 0,403 Kg/m

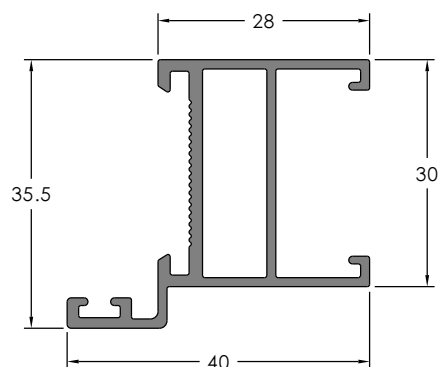


MAC-0286 0,355 Kg/m



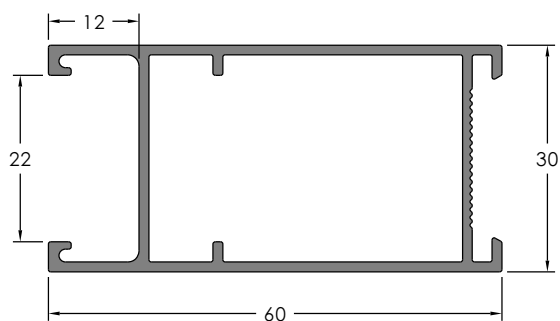
MAC-0565 0,542 Kg/m

30-023



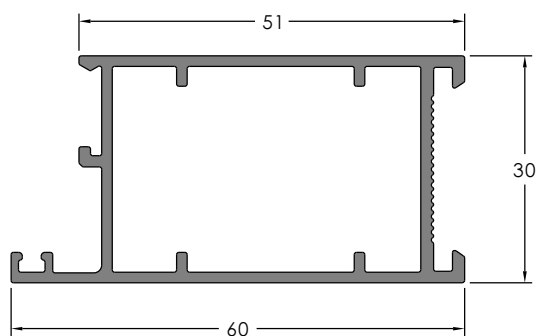
MAC-0568 0,682 Kg/m

30-077



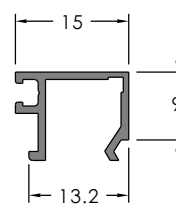
MAC-0564 0,738 Kg/m

30-026



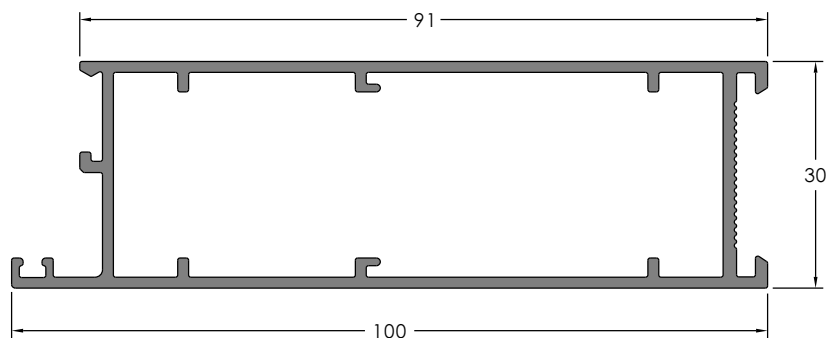
MAC-0889 0,114 Kg/m

U-482



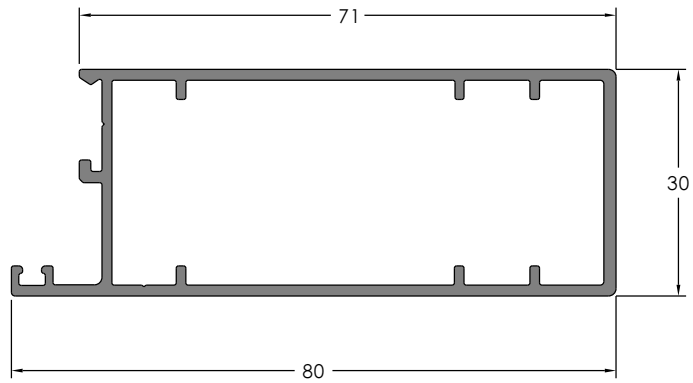
MAC-0562 1,108 Kg/m

30-082

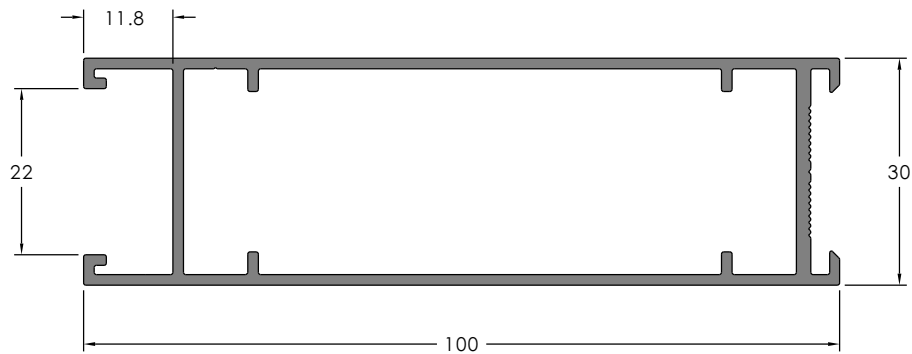


MAC-0904 0,895 Kg/m

P-358

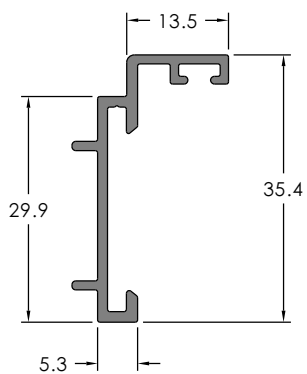


MAC-0865 1,091 Kg/m

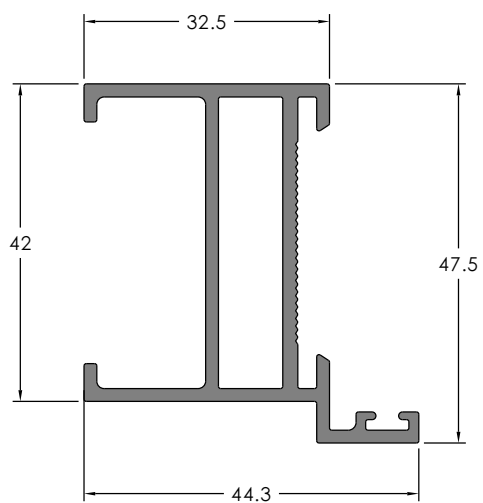


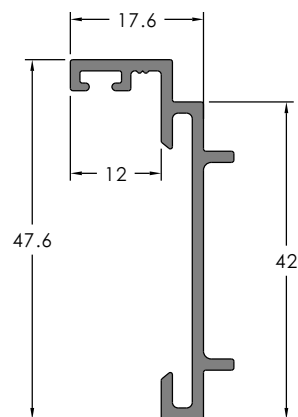
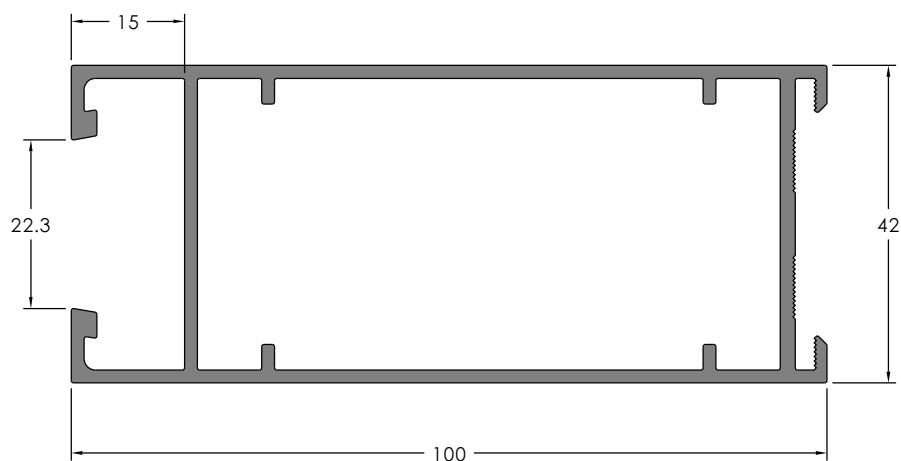
MAC-0879 0,262 Kg/m

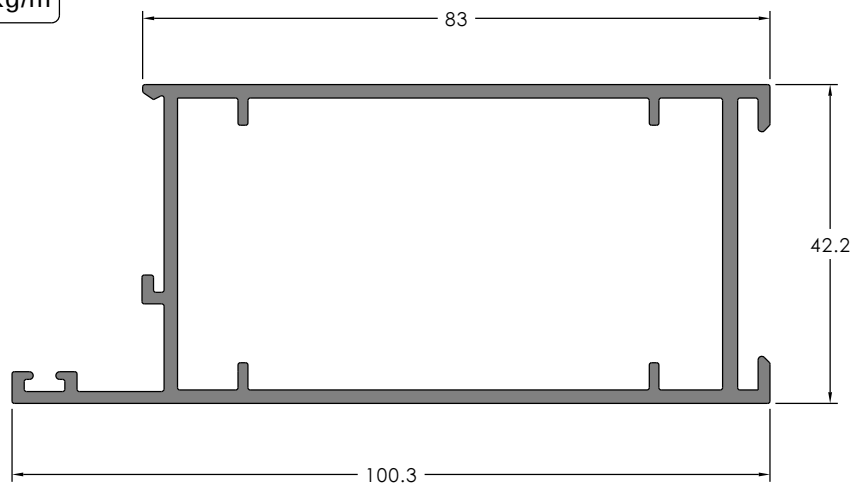
L-519



MAC-0574 0,853 Kg/m

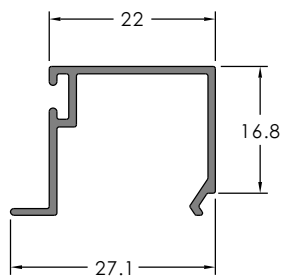
42-012

MAC-0647 0,370 Kg/m

42-014

MAC-0606 1,507 Kg/m

MAC-0691 1,942 Kg/m

42-032


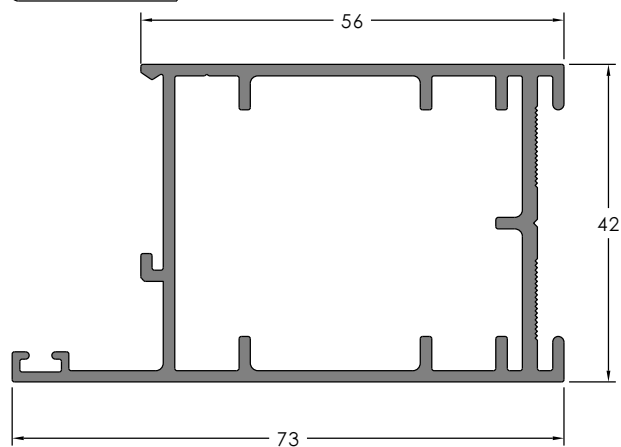
MAC-0648 0,193 Kg/m

BG-037



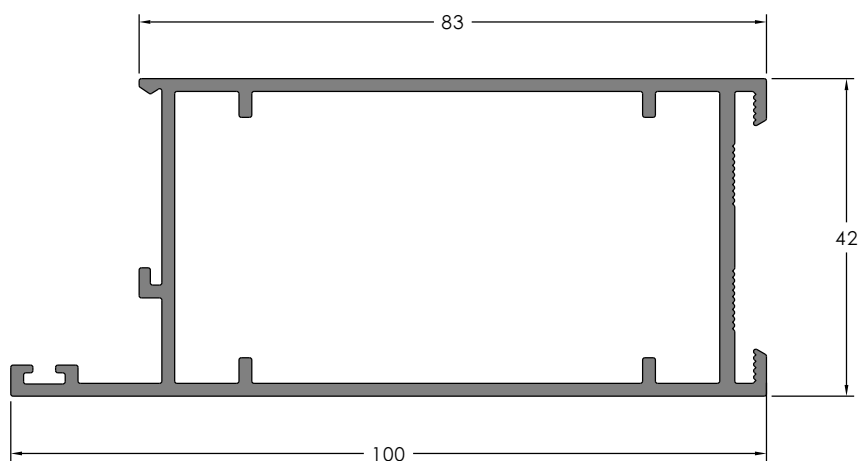
MAC-0890 1,086 Kg/m

42-035



MAC-0642 1,373 Kg/m

42-032

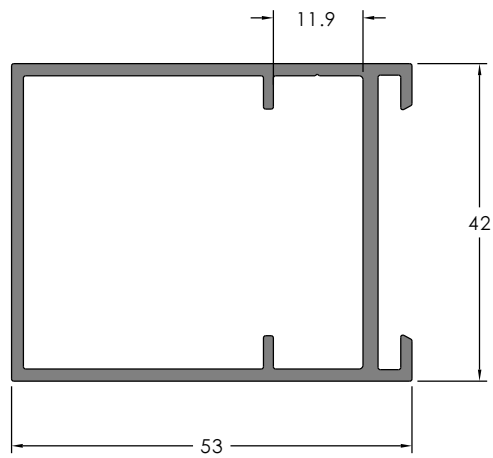


MAC-0866 1,373 Kg/m



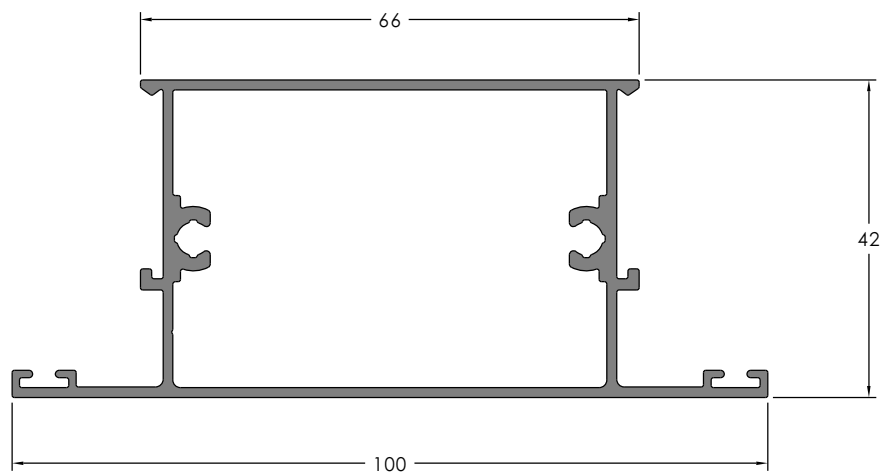
MAC-0891 0,902 Kg/m

A-104

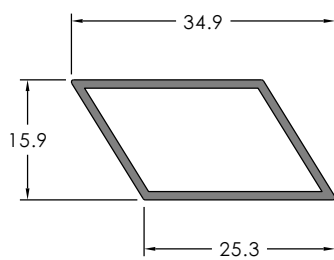


MAC-0903 1,105 Kg/m

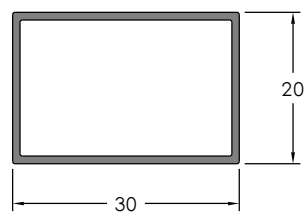
P-279



MAC-0705 0,248 Kg/m

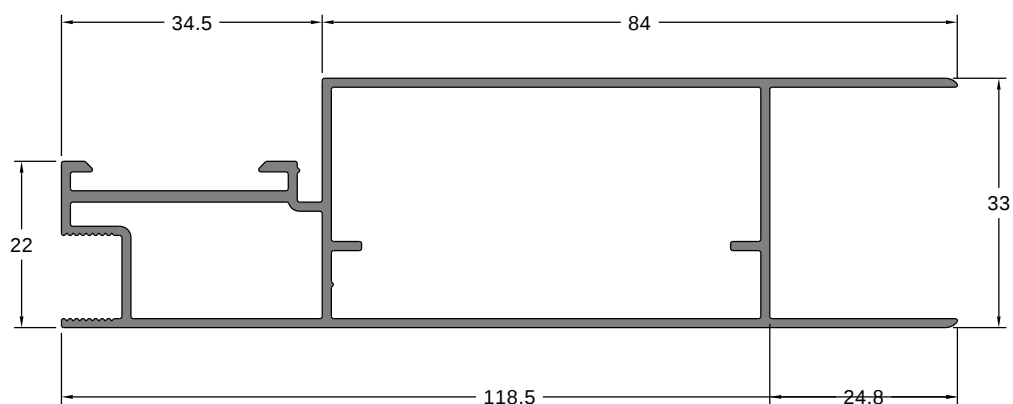


MAC-0706 0,260 Kg/m



MAC-0997 1,141 Kg/m *

PR-001



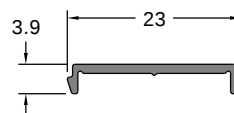
MAC-0998 0,382 Kg/m *

PR-002



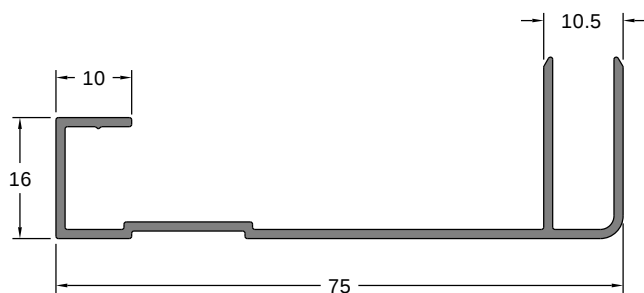
MAC-0999 0,084 Kg/m *

PR-004



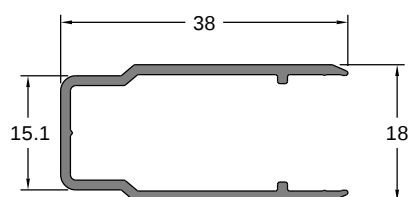
MAC-1002 0,468 Kg/m *

PR-007



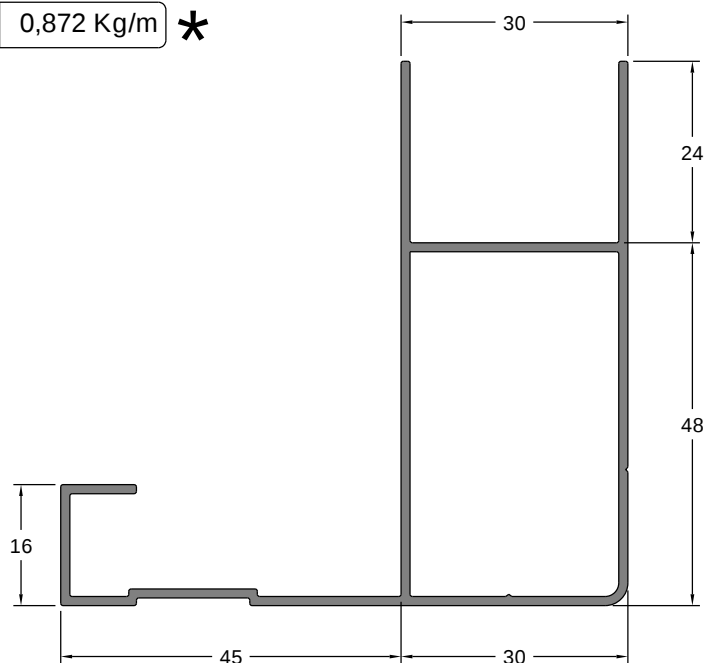
MAC-1004 0,315 Kg/m *

PR-011



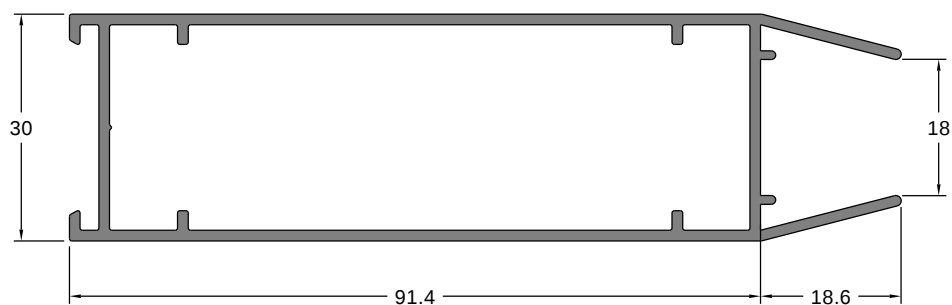
MAC-1001 0,872 Kg/m *

PR-006



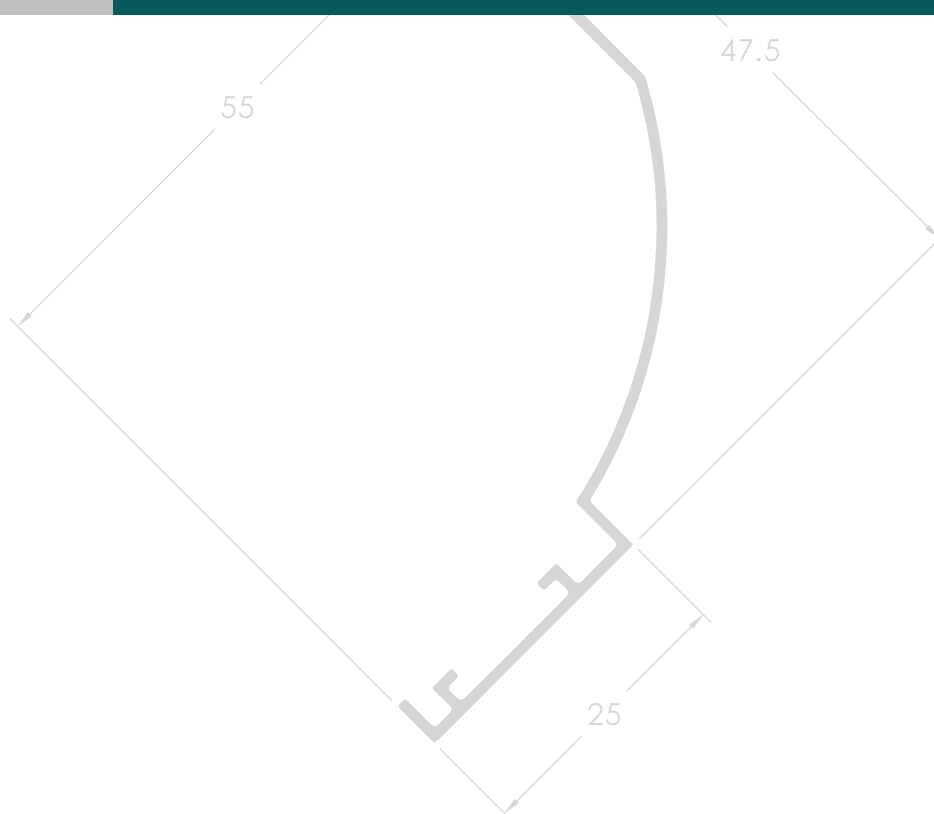
MAC-1003 1,113 Kg/m *

PR-008

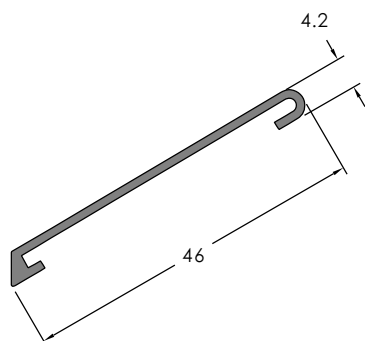


5

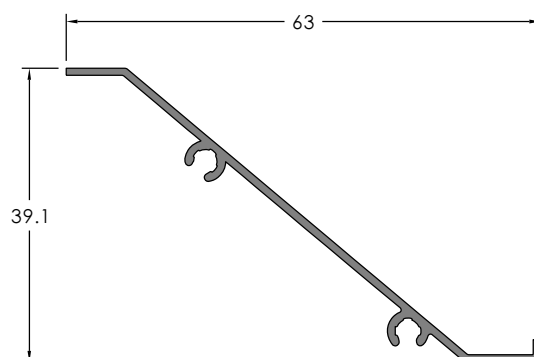
AR CONDICIONADO



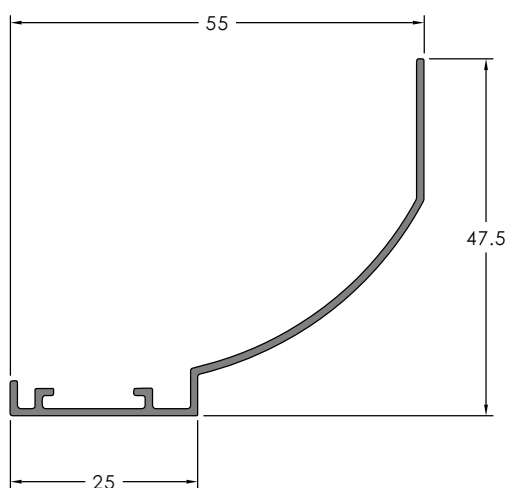
MAC-0134 0,187 Kg/m



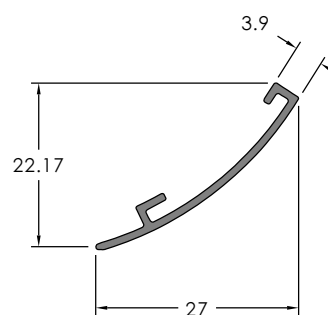
MAC-0160 0,285 Kg/m



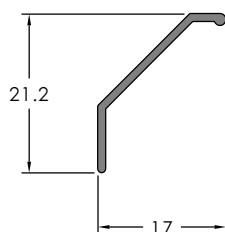
MAC-0163 0,297 Kg/m



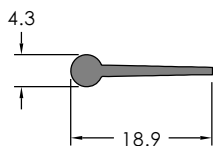
MAC-0162 0,121 Kg/m



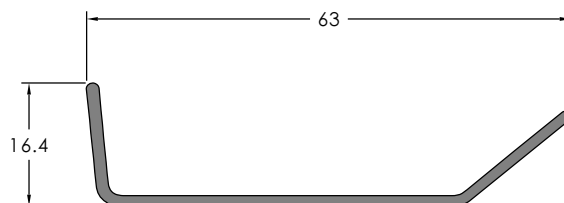
MAC-0161 0,090 Kg/m



MAC-0165 0,091 Kg/m

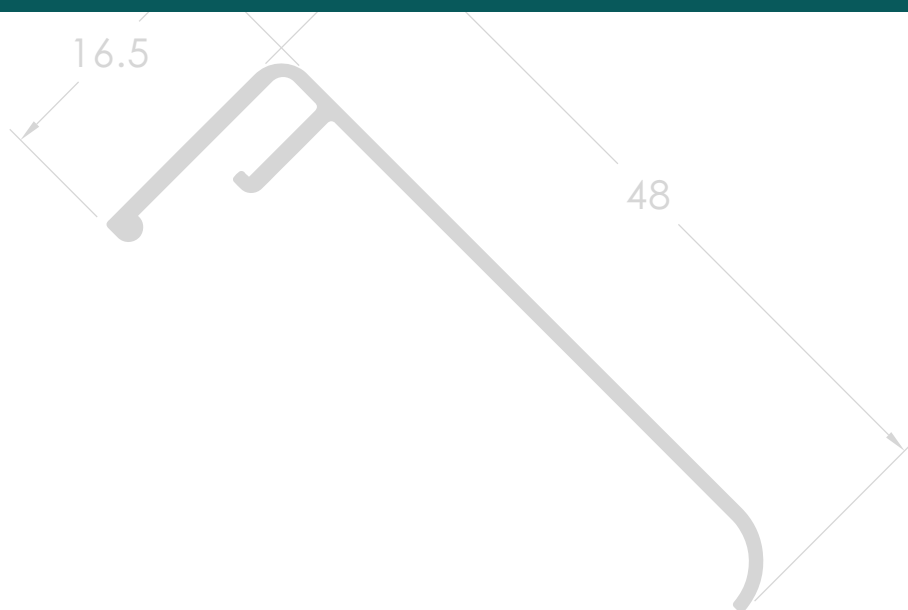


MAC-0328 0,325 Kg/m

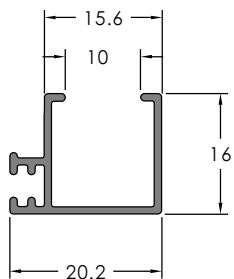


6

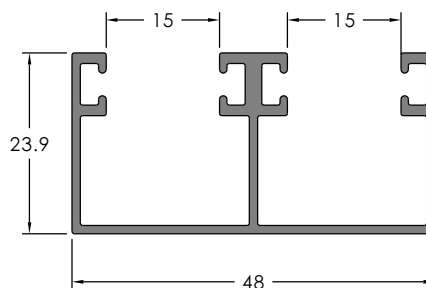
BOX E TEMPERADOS



MAC-0017 0,171 Kg/m

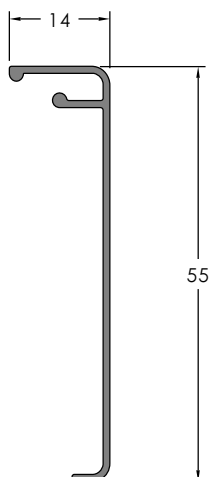


MAC-0579 0,499 Kg/m



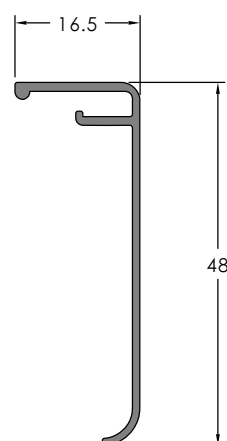
MAC-0021 0,218 Kg/m

76450



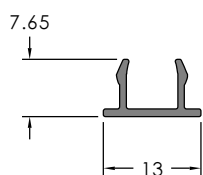
MAC-0020 0,213 Kg/m

73060



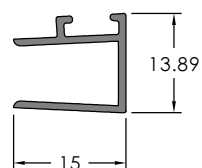
MAC-0019 0,075 Kg/m

76470



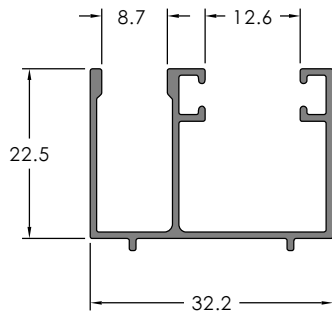
MAC-0022 0,126 Kg/m

76500



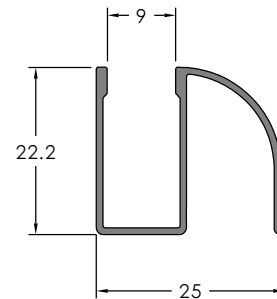
MAC-0024 0,302 Kg/m

76460



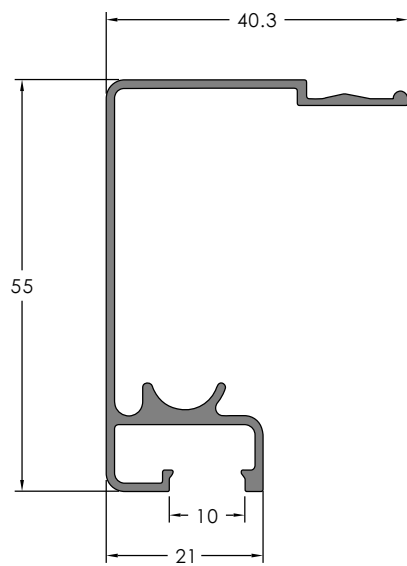
MAC-0025 0,241 Kg/m

76870



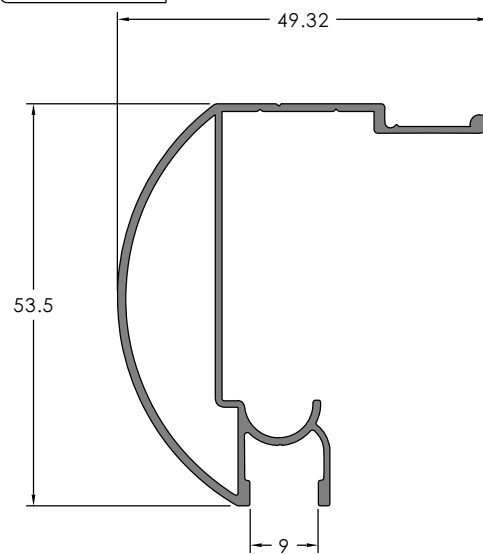
MAC-0030 0,507 Kg/m

76440



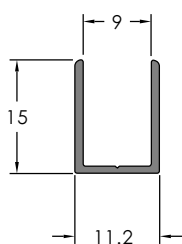
MAC-0031 0,522 Kg/m

76850



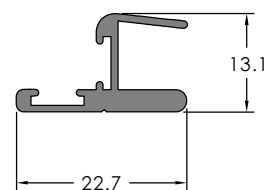
MAC-0032 0,111 Kg/m

76490

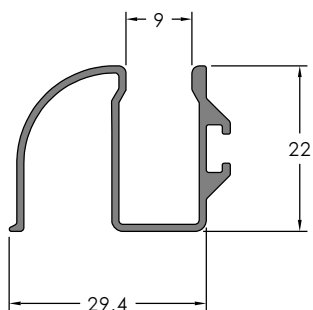


MAC-0037 0,214 Kg/m

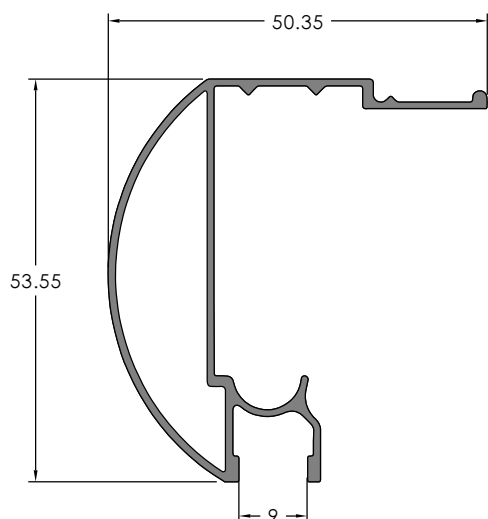
76480



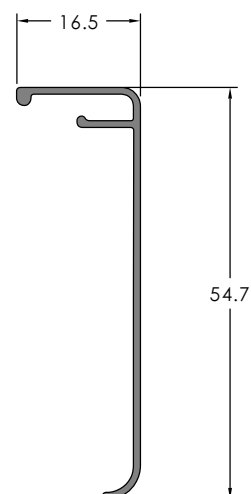
MAC-0232 0,276 Kg/m



MAC-0234 0,528 Kg/m

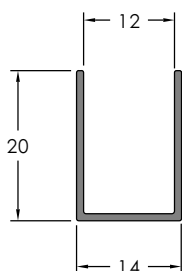


MAC-0235 0,222 Kg/m



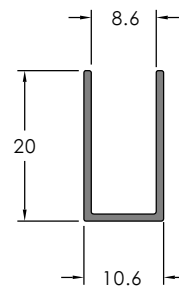
MAC-0230 0,140 Kg/m

76800

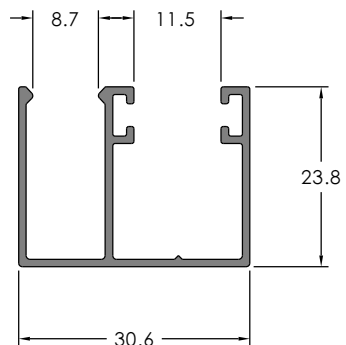
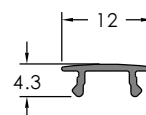


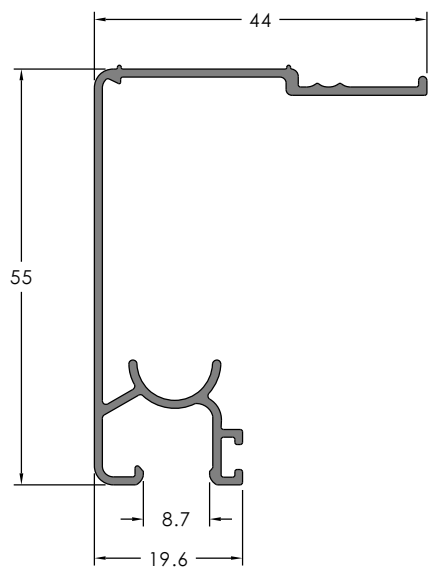
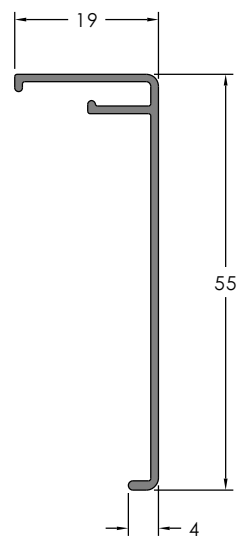
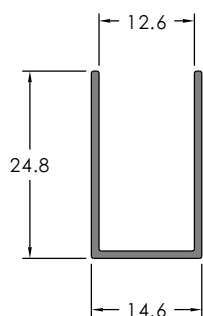
MAC-0231 0,132 Kg/m

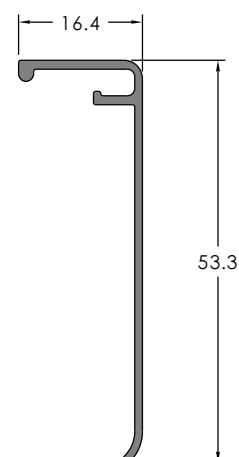
76770



MAC-0352 0,319 Kg/m

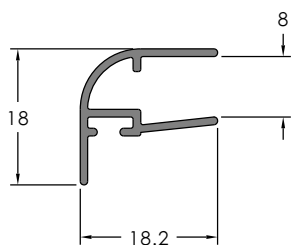
70118

MAC-0360 0,043 Kg/m

MAC-0408 0,441 Kg/m

70117

MAC-0409 0,233 Kg/m

MAC-0521 0,168 Kg/m

MAC-0524 0,220 Kg/m

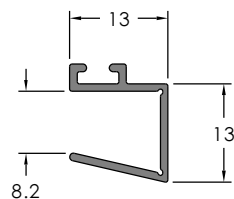
72344


MAC-0529 0,152 Kg/m

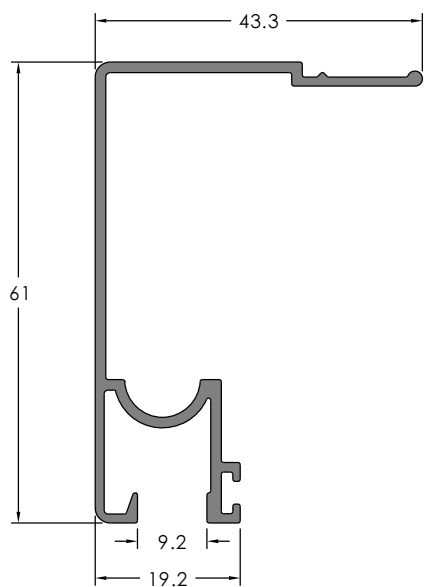
GS078



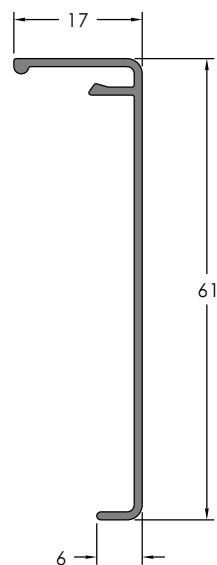
MAC-0530 0,119 Kg/m



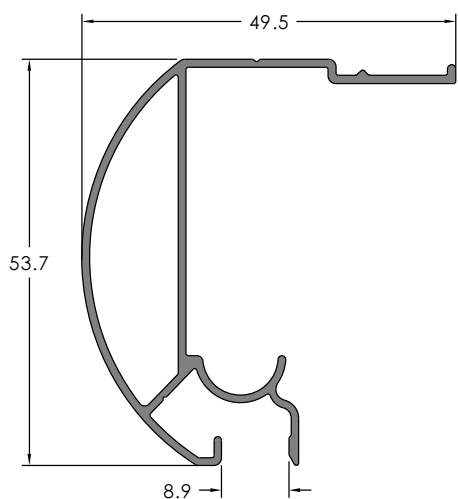
MAC-0526 0,575 Kg/m



MAC-0527 0,250 Kg/m

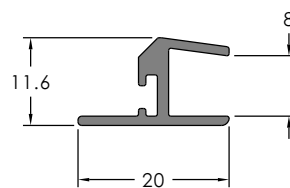


MAC-0528 0,526 Kg/m

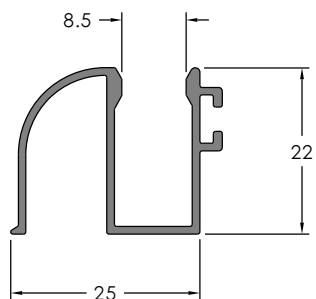


MAC-0531 0,163 Kg/m

GS077

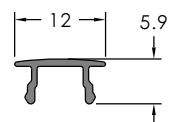


MAC-0532 0,269 Kg/m



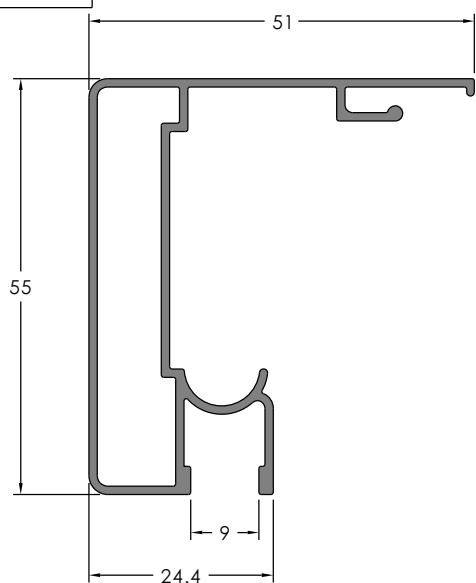
MAC-0523 0,052 Kg/m

73110



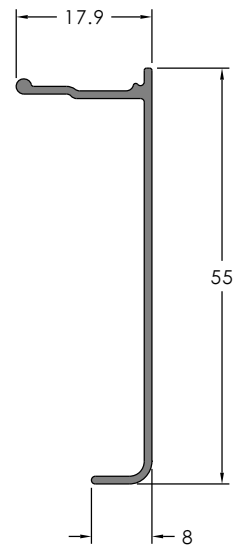
MAC-0536 0,657 Kg/m

72465

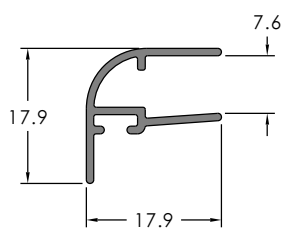


MAC-0535 0,218 Kg/m

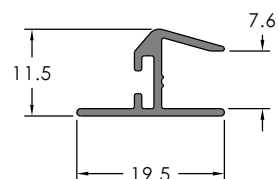
72466

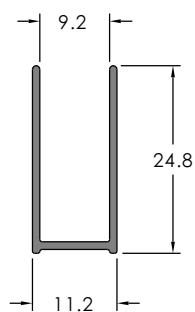


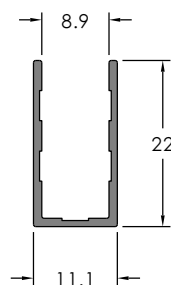
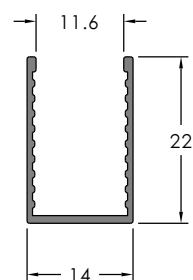
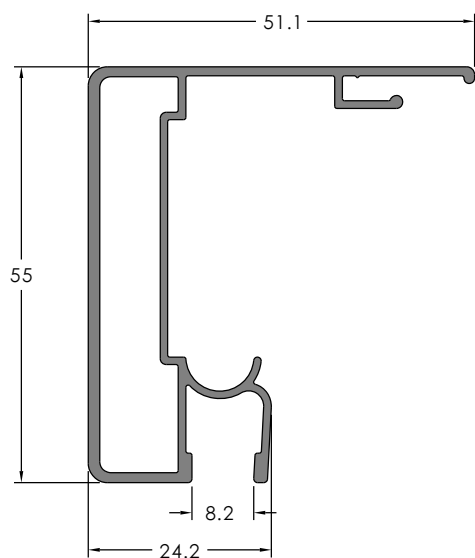
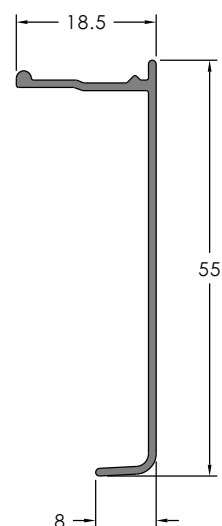
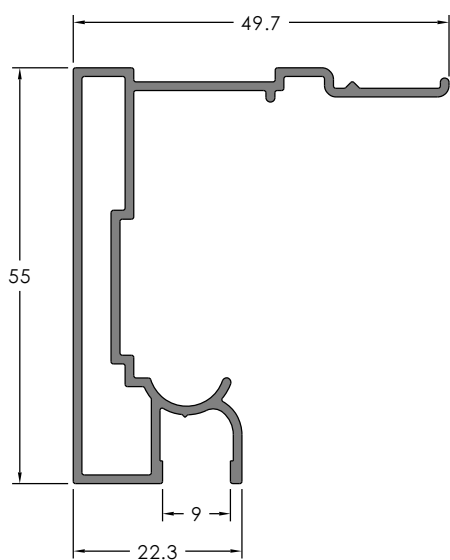
MAC-0351 0,149 Kg/m

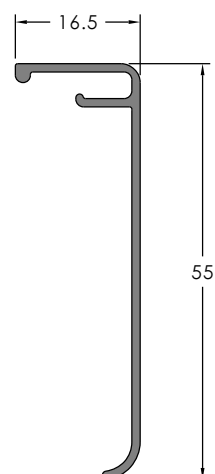


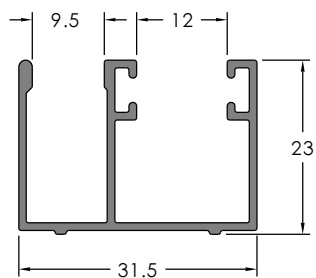
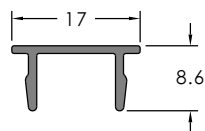
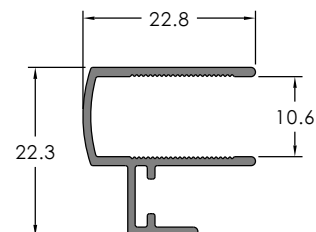
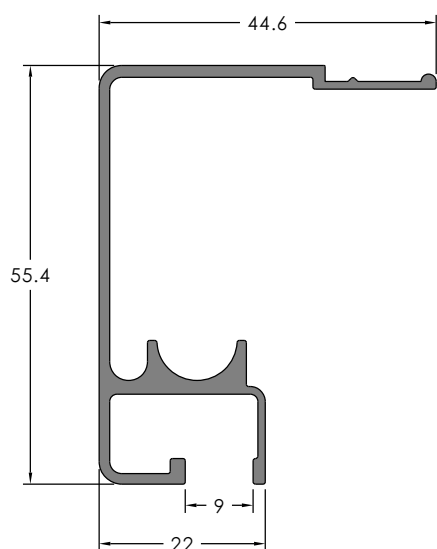
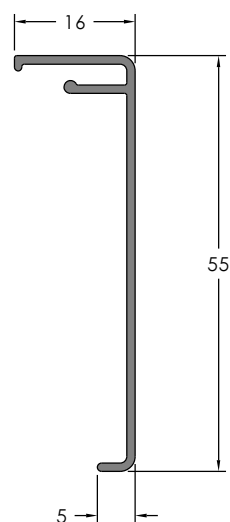
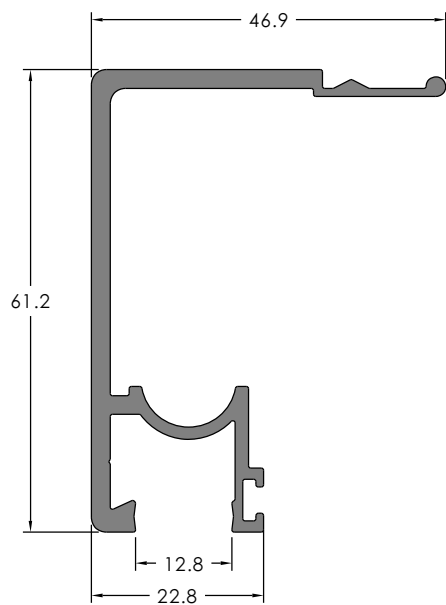
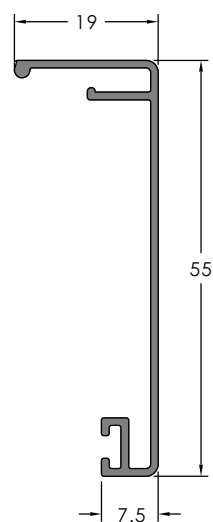
MAC-0353 0,127 Kg/m

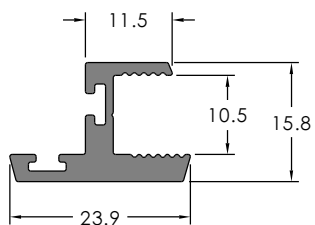
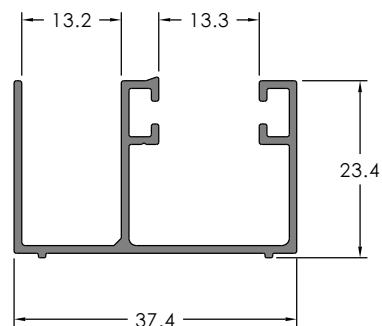
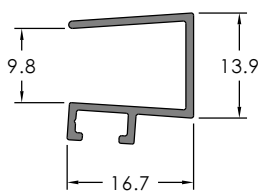
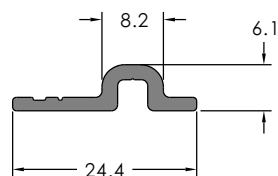


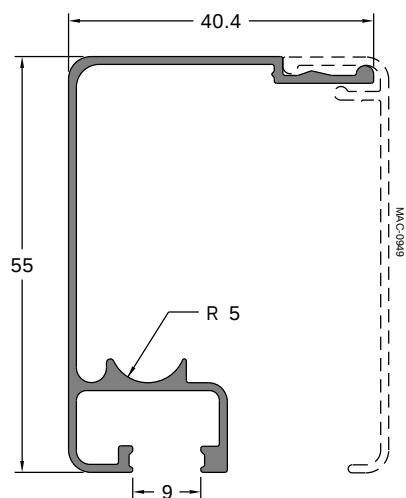
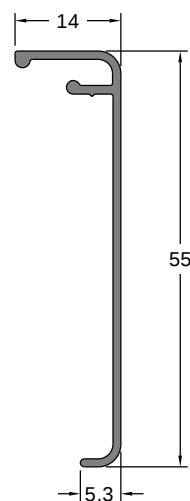
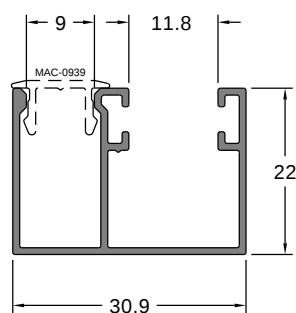
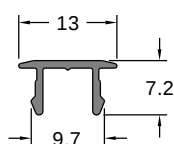
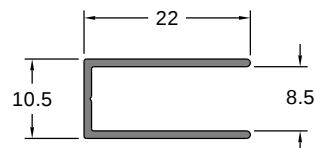
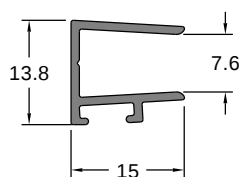
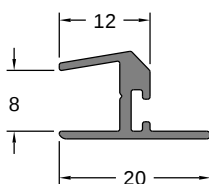
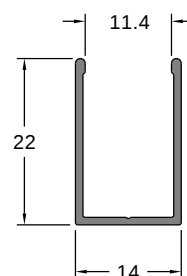
MAC-0525 0,158 Kg/m

MAC-0533 0,141 Kg/m

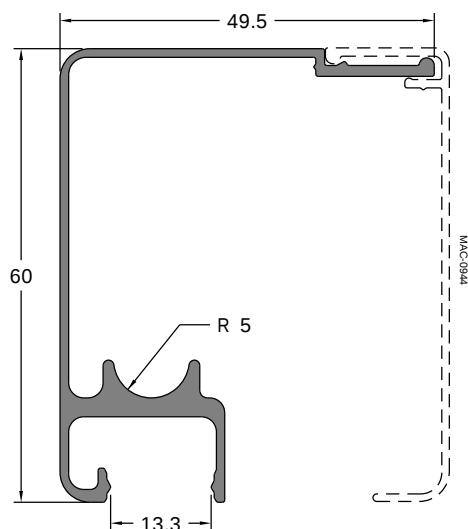
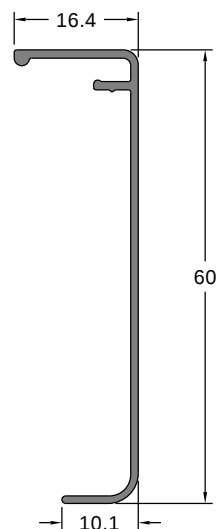
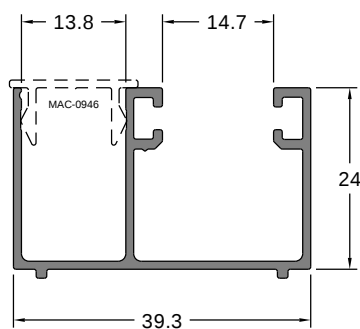
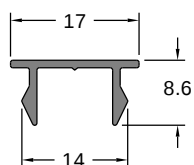
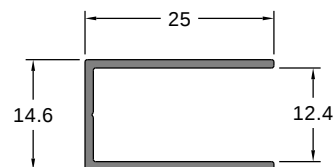
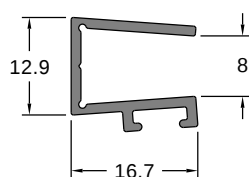
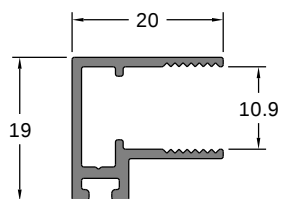
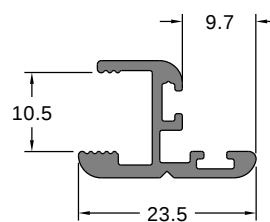
420402

MAC-0534 0,141 Kg/m

MAC-0367 0,707 Kg/m

MAC-0366 0,222 Kg/m

MAC-0392 0,637 Kg/m

MAC-0393 0,241 Kg/m

STL-834


MAC-0692 0,321 Kg/m

MAC-0694 0,095 Kg/m

MAC-0695 0,220 Kg/m

MAC-0687 0,634 Kg/m

MAC-0686 0,245 Kg/m

MAC-0887 0,906 Kg/m

MAC-0698 0,275 Kg/m


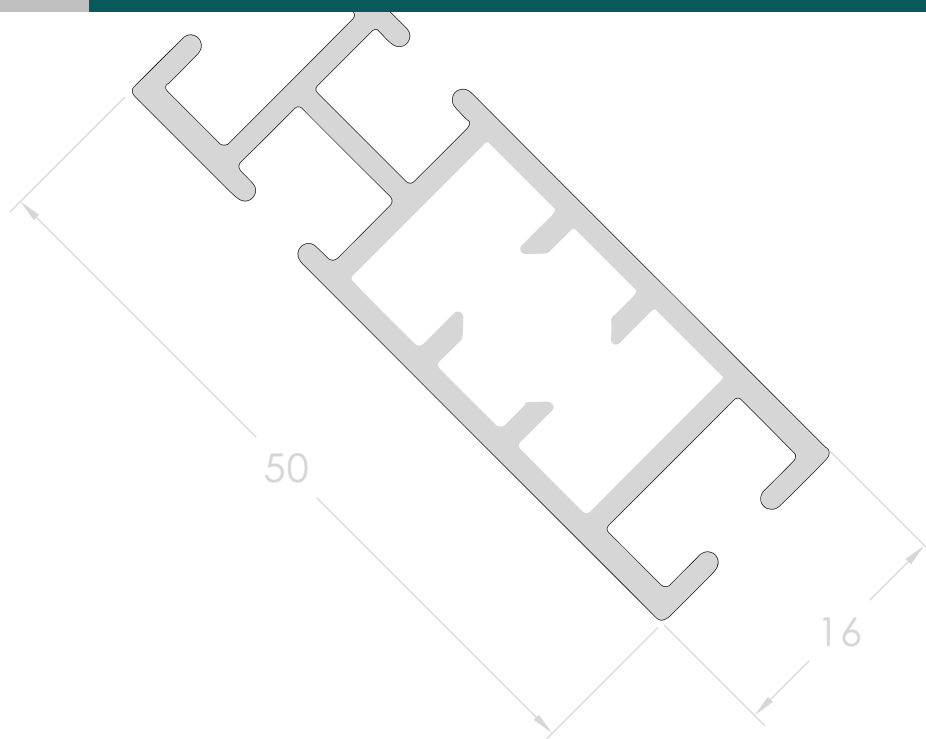
MAC-0765 0,318 Kg/m

MAC-0883 0,346 Kg/m

MAC-0888 0,147 Kg/m

MAC-0868 0,156 Kg/m


MAC-0938 0,458 Kg/m

MAC-0949 0,227 Kg/m *

MAC-0935 0,284 Kg/m

MAC-0939 0,068 Kg/m

MAC-0950 0,142 Kg/m *

MAC-0948 0,135 Kg/m *

MAC-0936 0,150 Kg/m

MAC-0937 0,153 Kg/m


MAC-0945 0,633 Kg/m *

MAC-0944 0,245 Kg/m *

MAC-0943 0,383 Kg/m *

MAC-0946 0,097 Kg/m *

MAC-0940 0,185 Kg/m

MAC-0947 0,174 Kg/m *

MAC-0941 0,217 Kg/m *

MAC-0942 0,241 Kg/m *


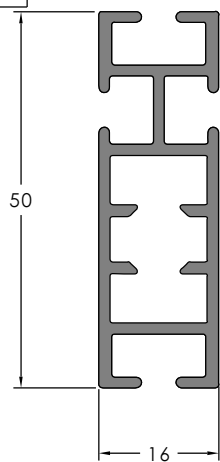
7

DIVISÓRIA



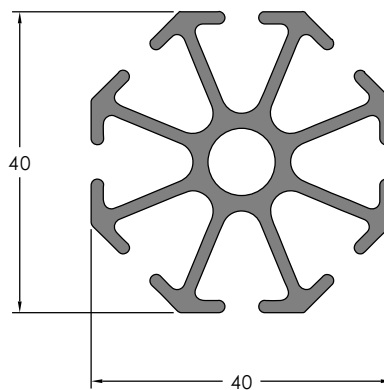
MAC-0104 0,699 Kg/m

GS037

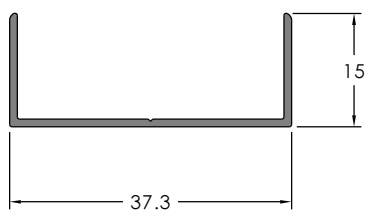


MAC-0105 1,129 Kg/m

GS035

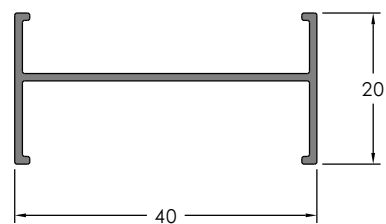


MAC-0501 0,175 Kg/m



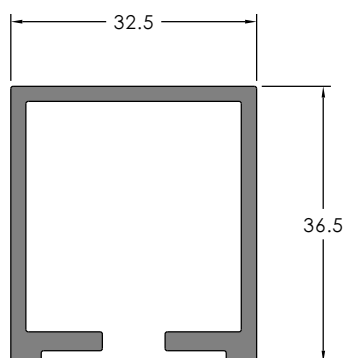
MAC-0503 0,222 Kg/m

DV-029



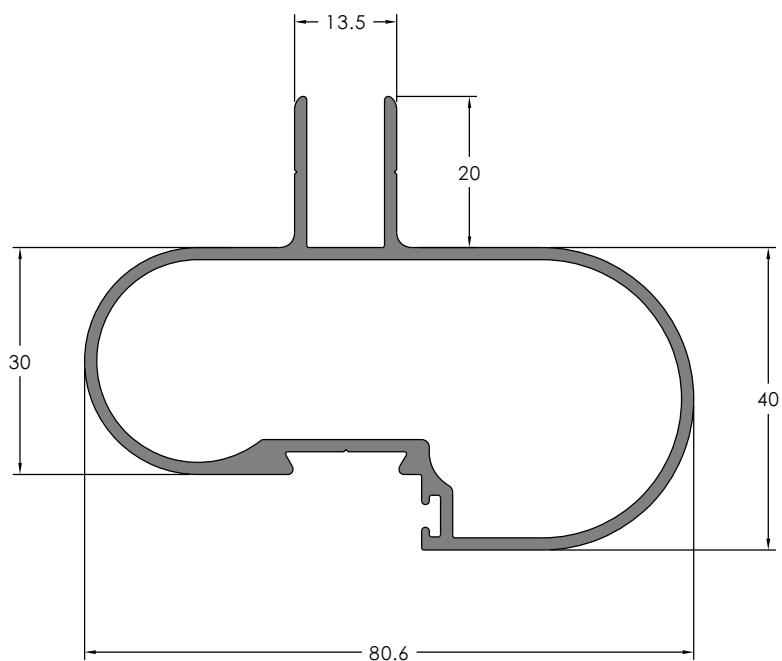
MAC-0502 0,703 Kg/m

DS-009

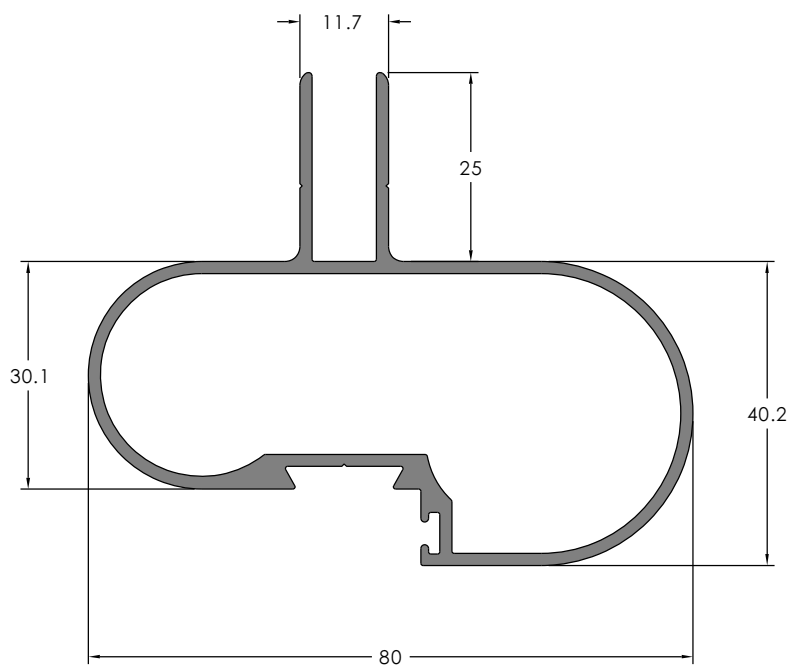


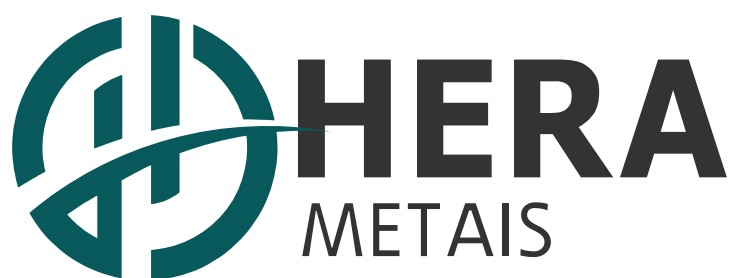
MAC-0510 1,168 Kg/m

DV-300



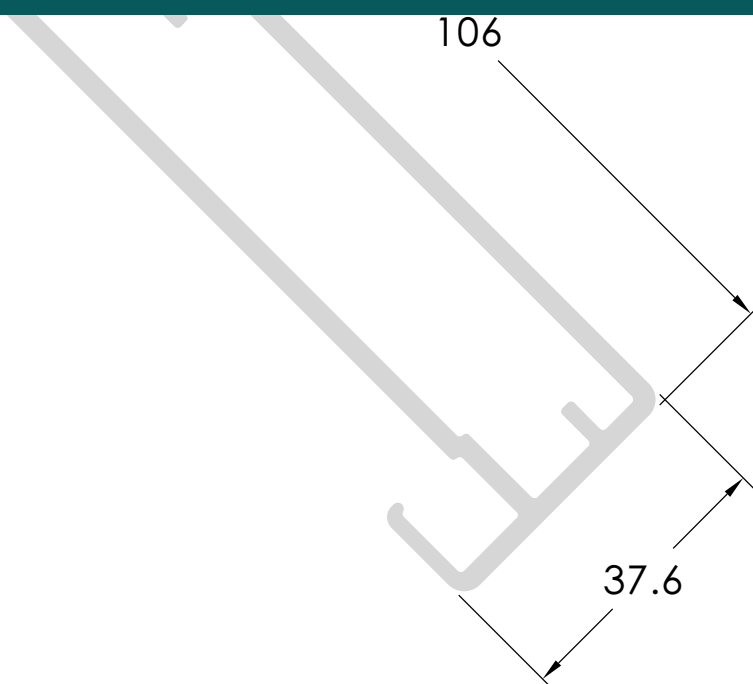
MAC-0778 1,221 Kg/m

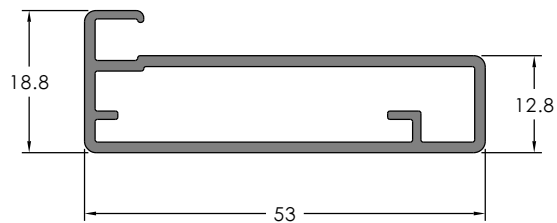
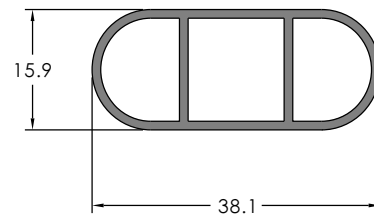
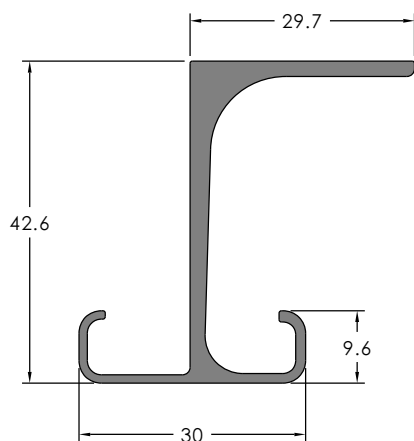
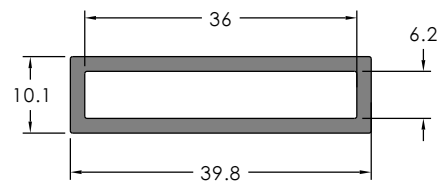
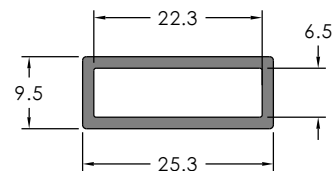
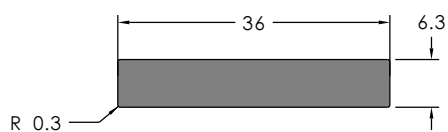
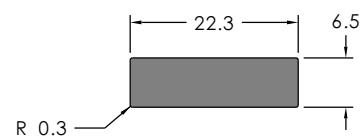


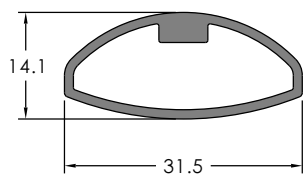
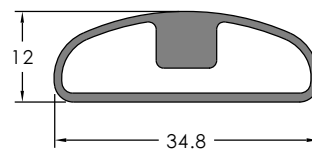
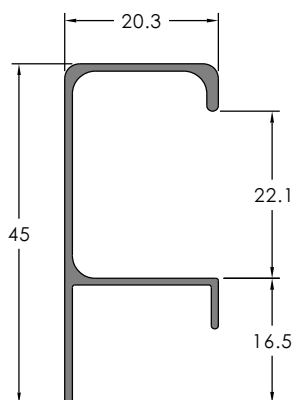
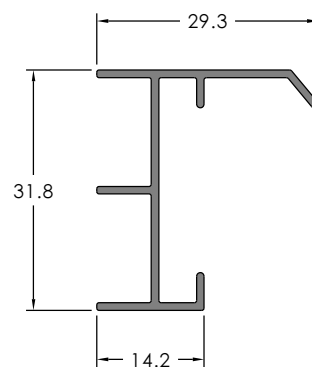
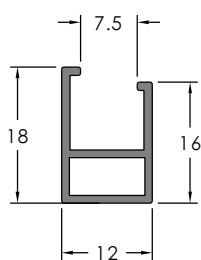


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MOVELEIRO

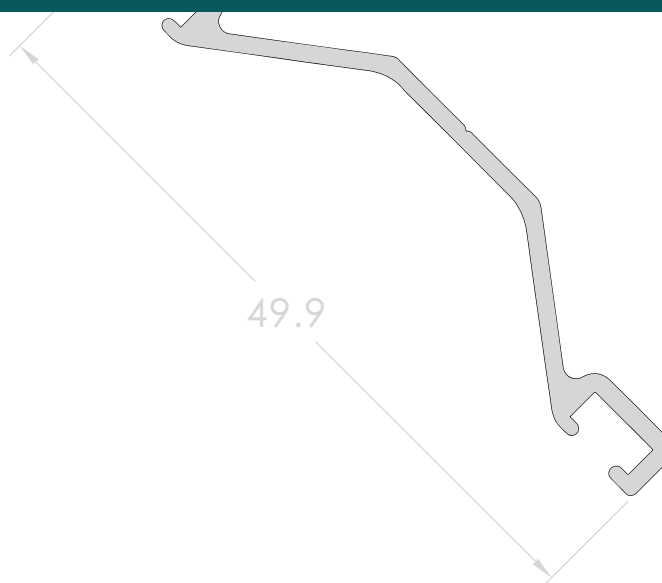


MAC-0450 0,547 Kg/m

MAC-0080 0,492 Kg/m

MAC-0403 0,615 Kg/m

MAC-0404 0,472 Kg/m

MAC-0406 0,257 Kg/m

MAC-0405 0,612 Kg/m

MAC-0407 0,392 Kg/m


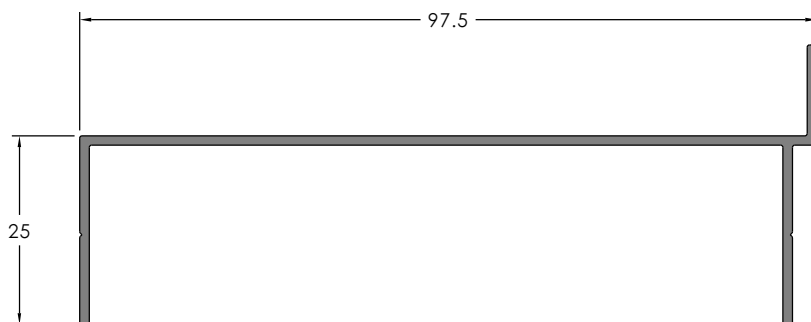
MAC-0511 0,279 Kg/m

MAC-0512 0,371 Kg/m

MAC-0631 0,267 Kg/m

MAC-0684 0,244 Kg/m

MAC-0685 0,158 Kg/m


9

POLICARBONATO

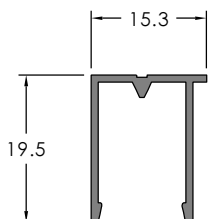


MAC-0131 0,510 Kg/m

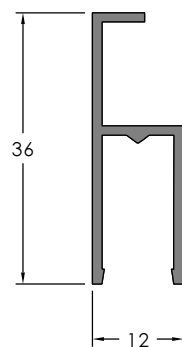


MAC-0132 0,153 Kg/m

GS015

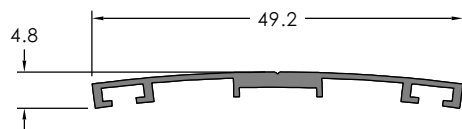


MAC-0133 0,260 Kg/m



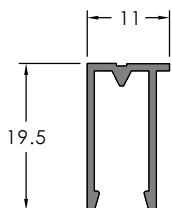
MAC-0135 0,196 Kg/m

GS013

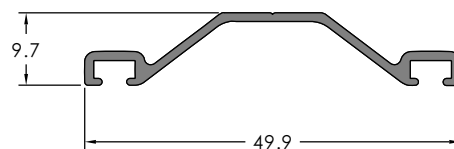


MAC-0137 0,142 Kg/m

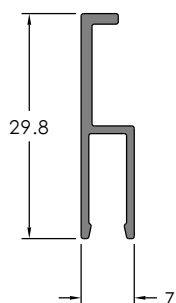
GS014



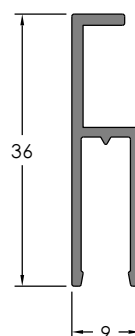
MAC-0138 0,238 Kg/m

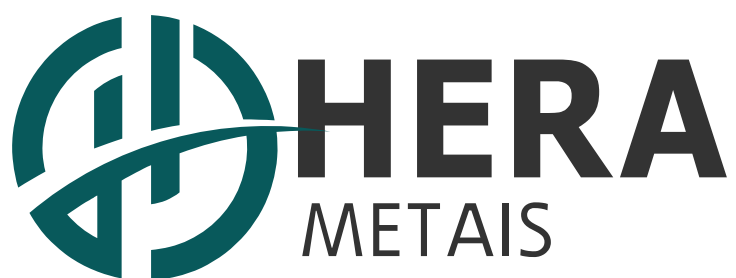


MAC-0358 0,165 Kg/m



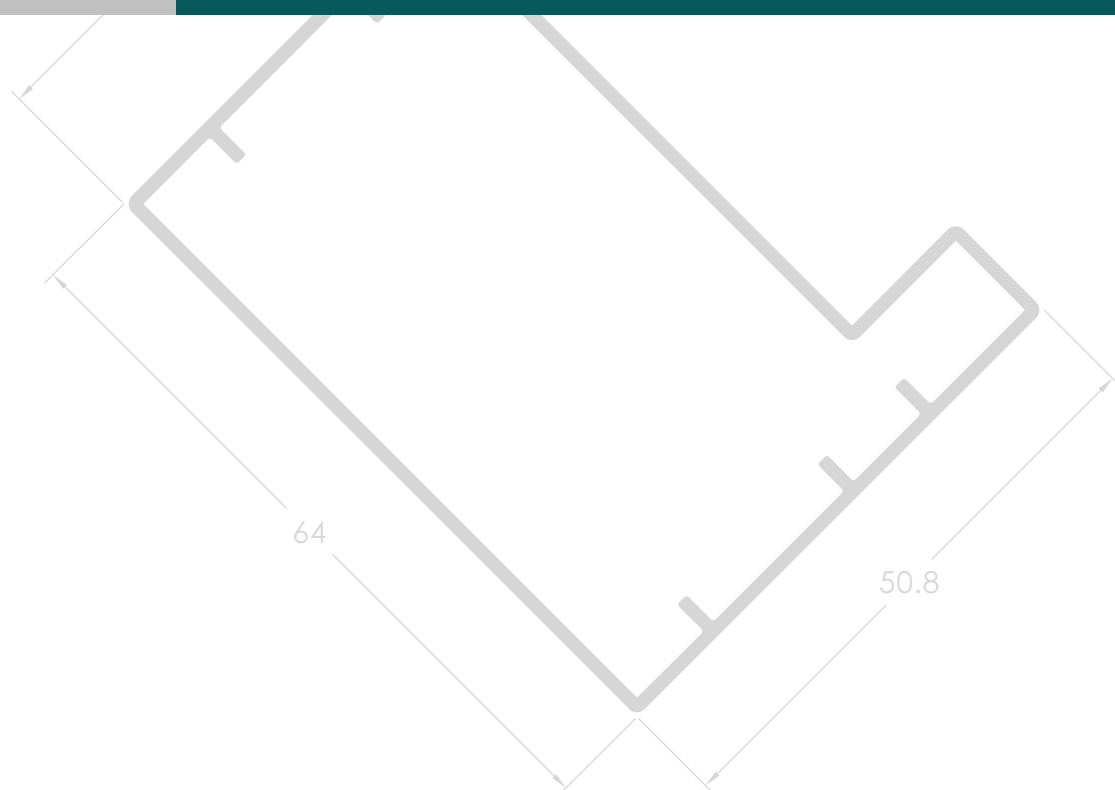
MAC-0391 0,250 Kg/m





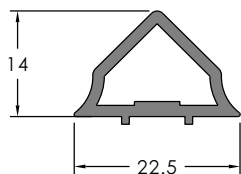
10

PORTÃO



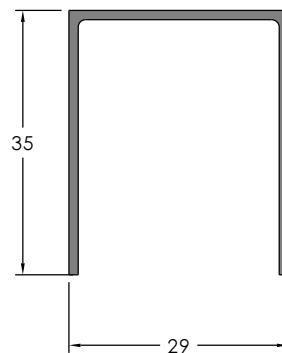
MAC-0023 0,215 Kg/m

30-044



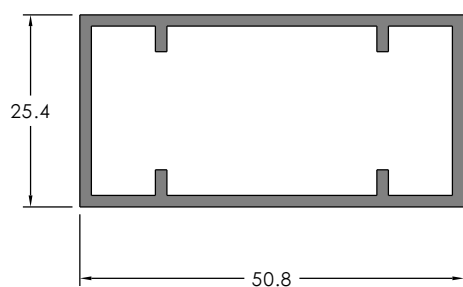
MAC-0041 0,315 Kg/m

PU-639



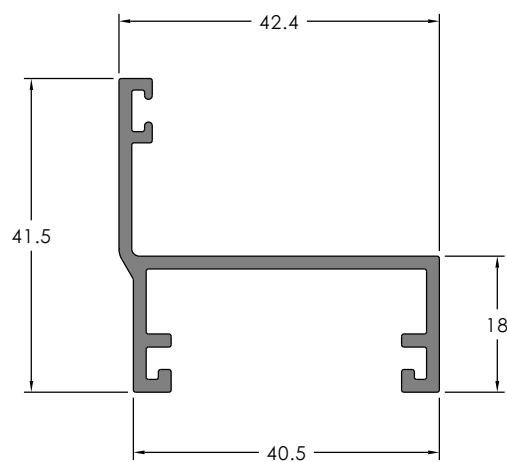
MAC-0079 0,563 Kg/m

PC-002



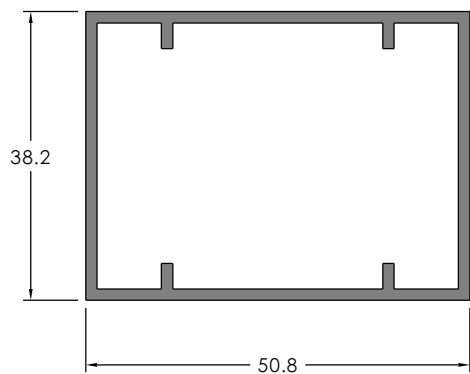
MAC-0500 0,553 Kg/m

Y-181

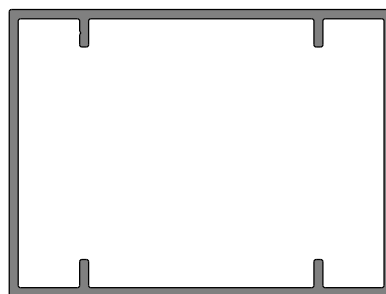


MAC-0070 0,701 Kg/m

PC-004

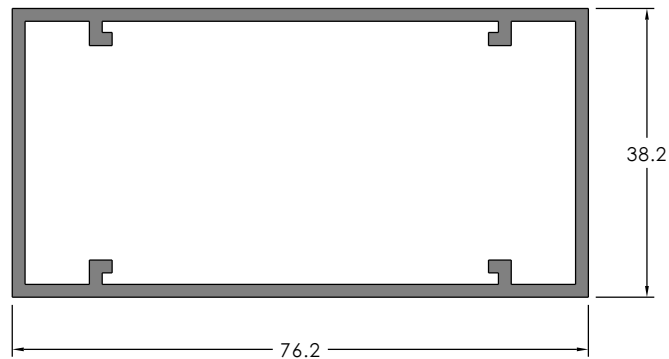


MAC-0821 0,608 Kg/m

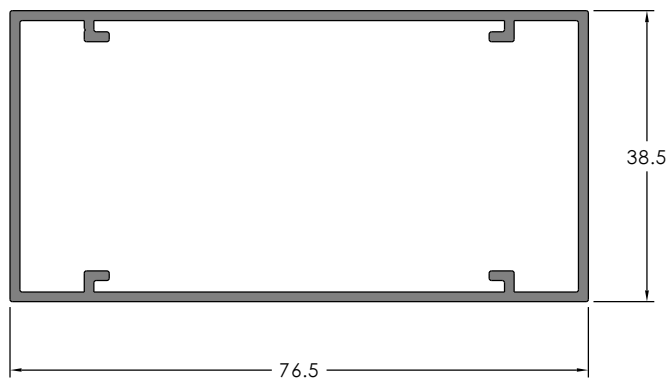


MAC-0069 0,924 Kg/m

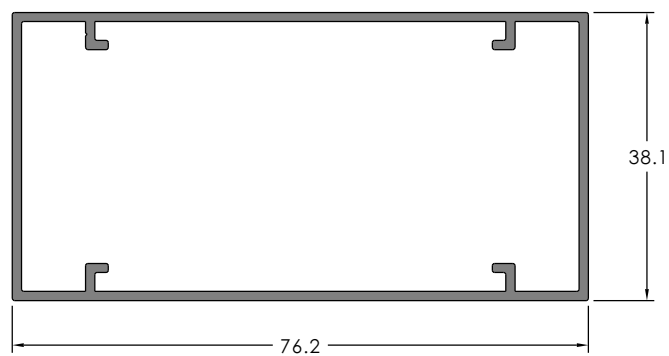
PC-003



MAC-0820 0,856 Kg/m



MAC-0822 0,796 Kg/m



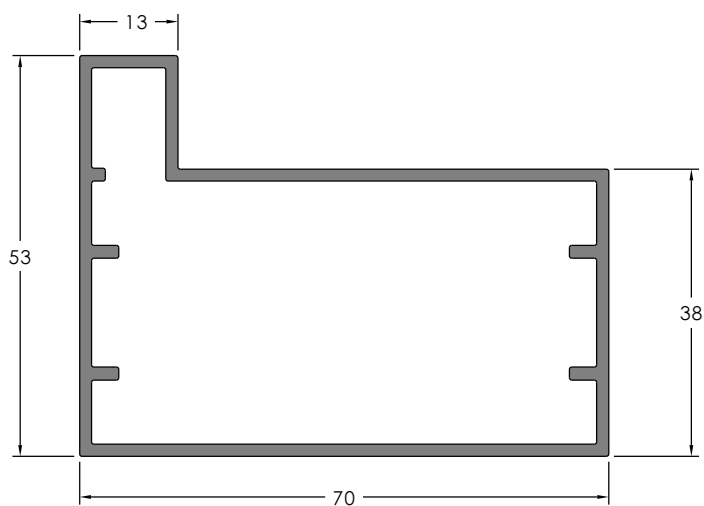
MAC-0068 1,549 Kg/m

78-719

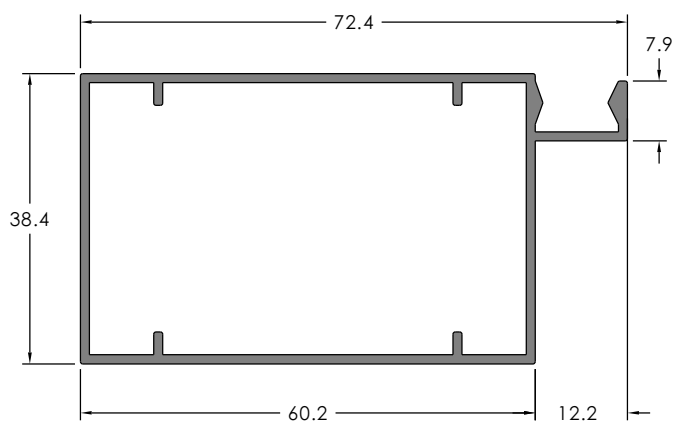


MAC-0690 1,114 Kg/m

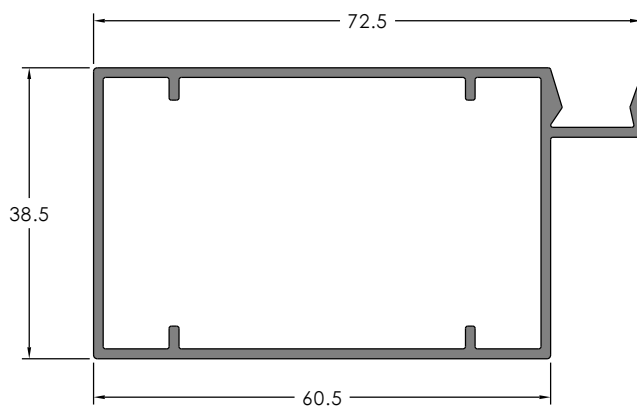
PC-010



MAC-0411 0,743 Kg/m

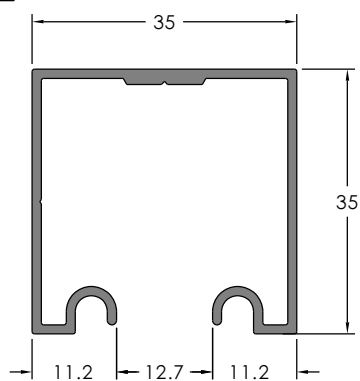


MAC-0587 0,795 Kg/m



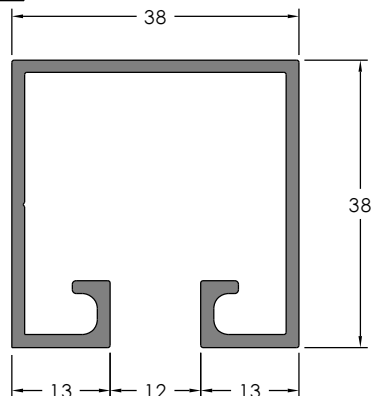
MAC-0885 0,462 Kg/m

U-1098

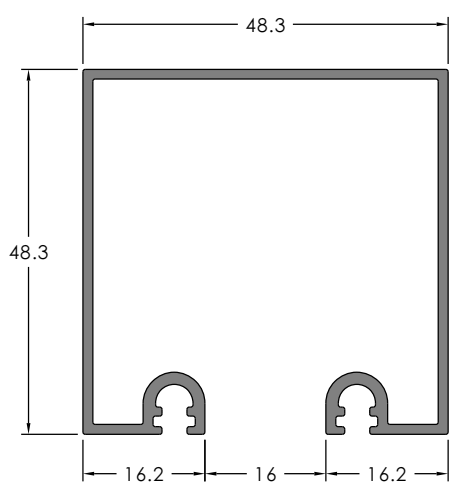


MAC-0886 0,709 Kg/m

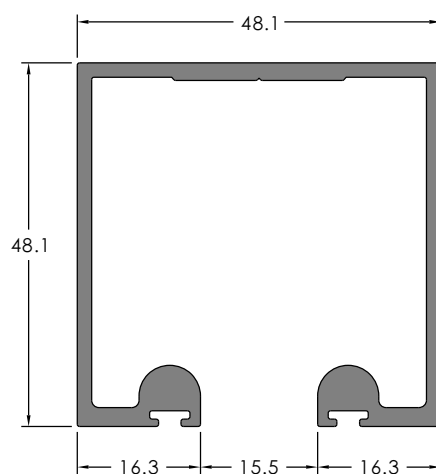
U-990



MAC-0696 0,725 Kg/m



MAC-0697 1,105 Kg/m



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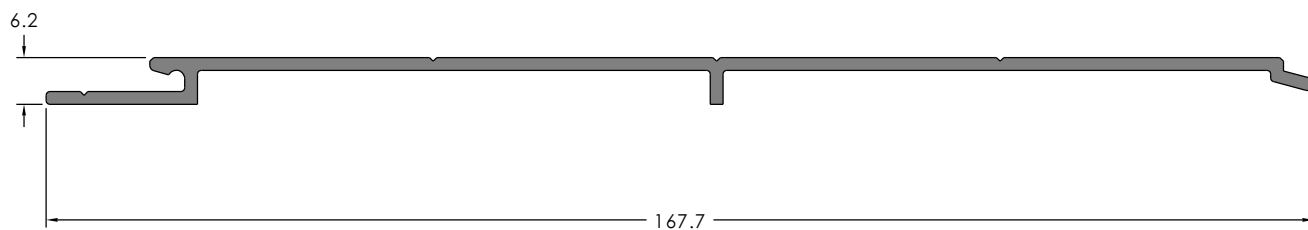
LAMBRIS

108

15

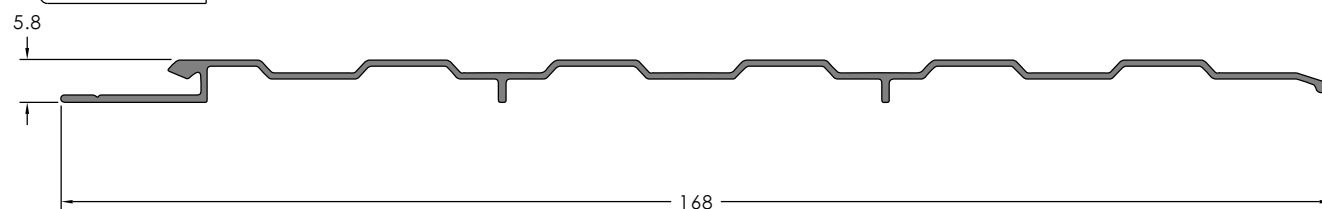
MAC-0195 0,625 Kg/m

LB-036



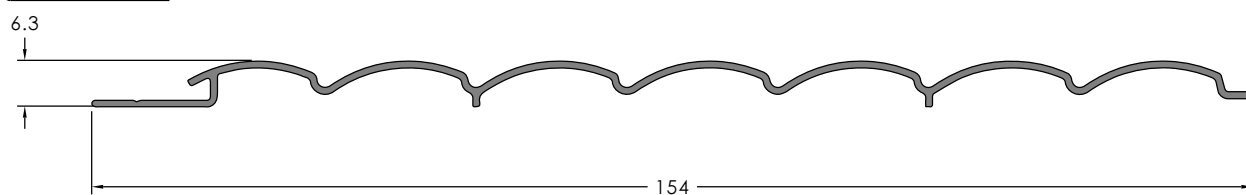
MAC-0155 0,546 Kg/m

LB-050

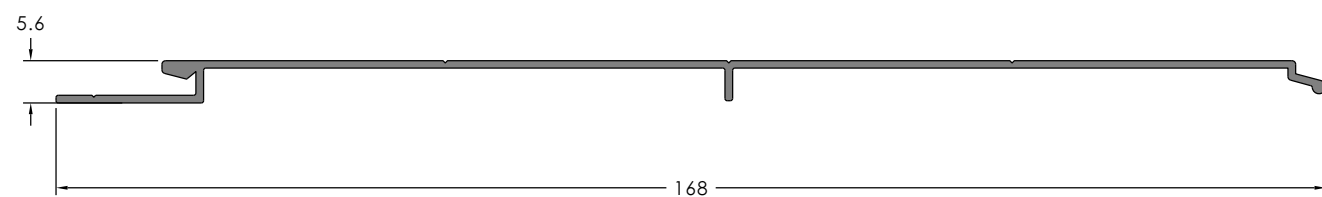


MAC-0154 0,532 Kg/m

LU067

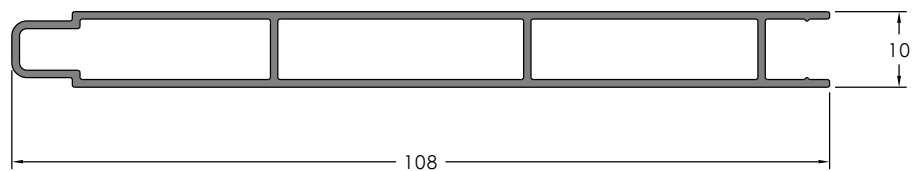


MAC-0412 0,510 Kg/m

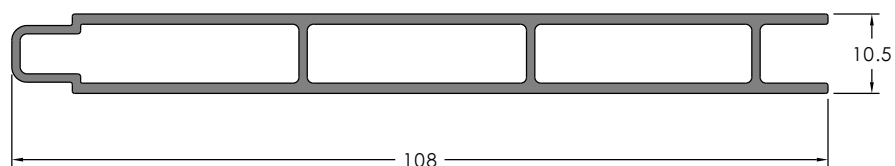


MAC-0048 0,733 Kg/m

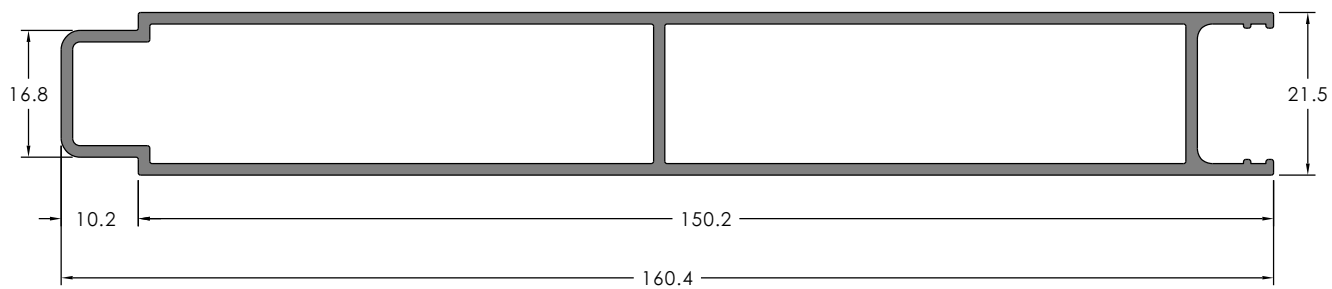
GS034



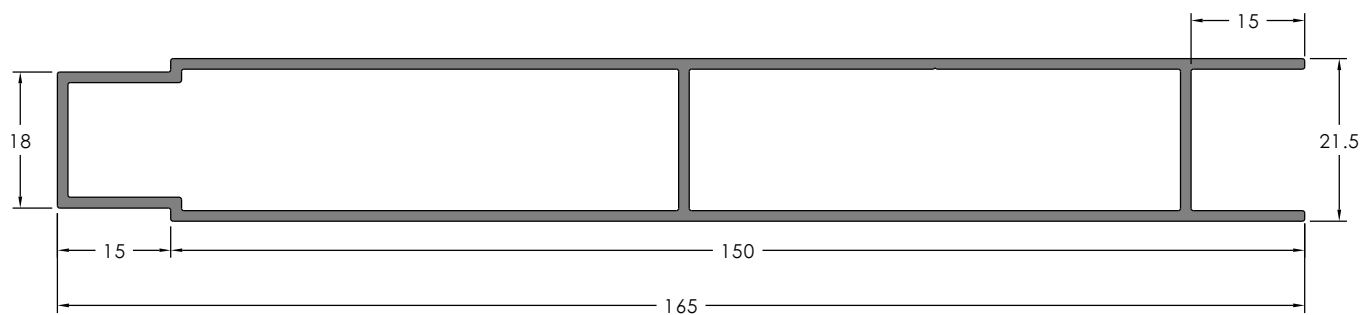
MAC-0708 0,873 Kg/m



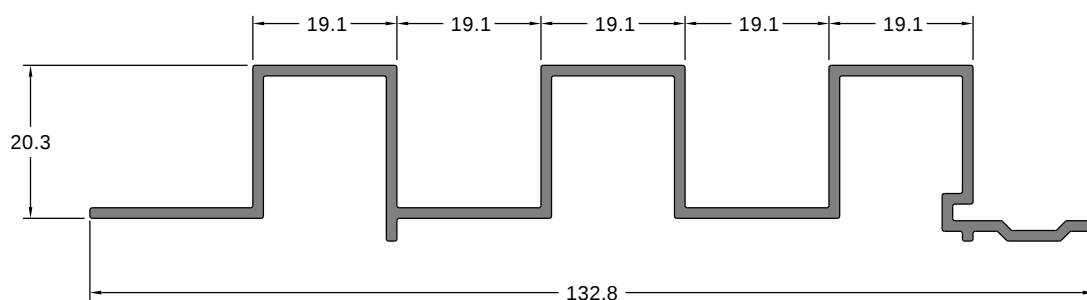
MAC-0721 1,588 Kg/m



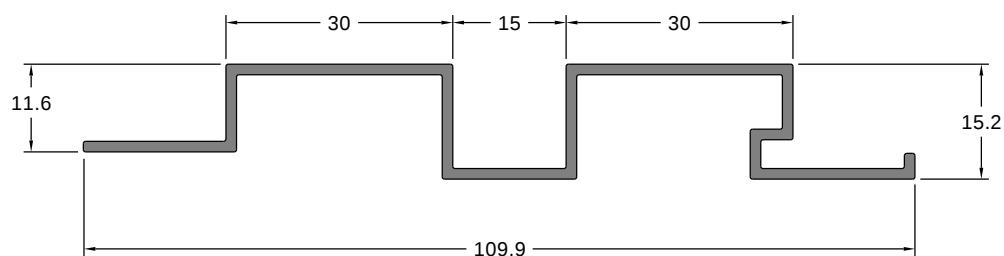
MAC-0864 1,461 Kg/m



MAC-0689 0,980 Kg/m

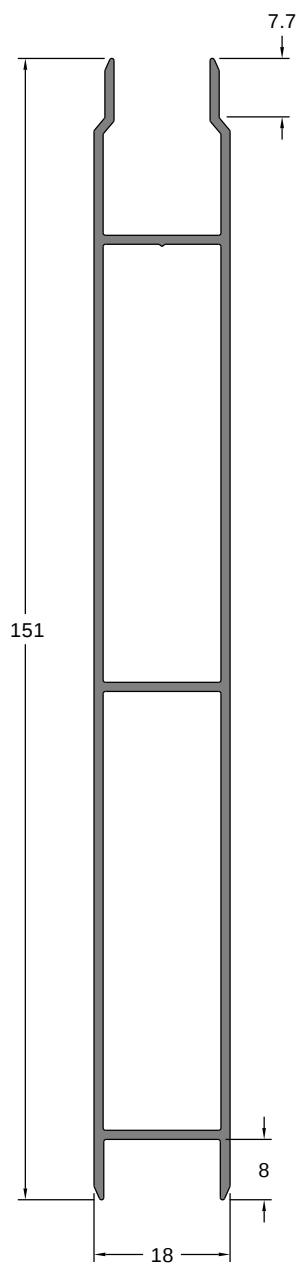


MAC-0699 0,653 Kg/m

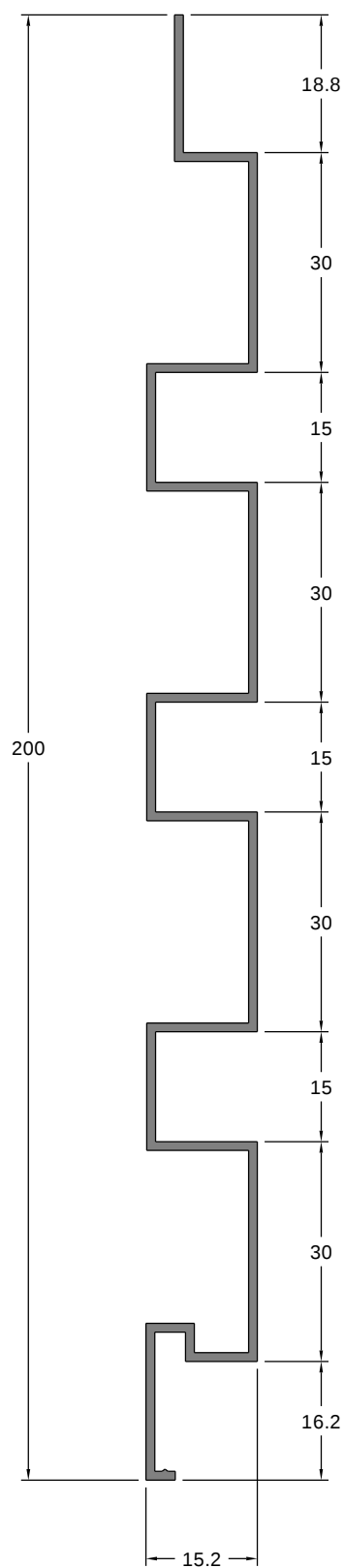


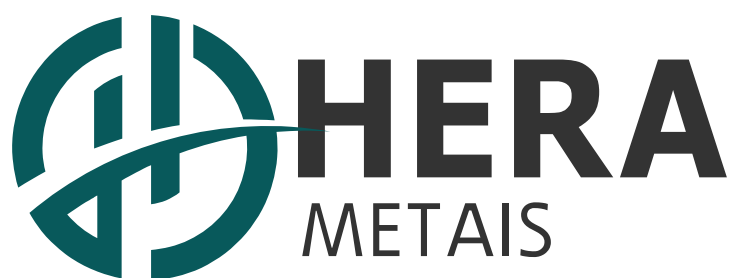
MAC-1000 1,135 Kg/m *

PR-005



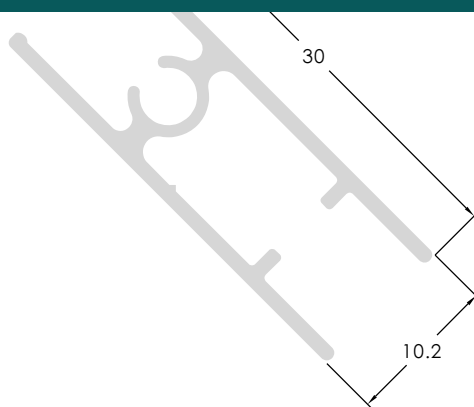
MAC-0977 1,035 Kg/m *

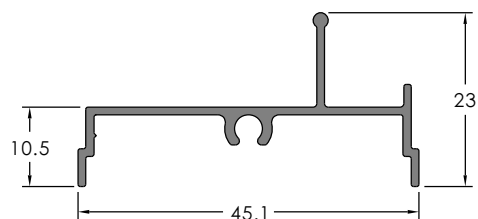
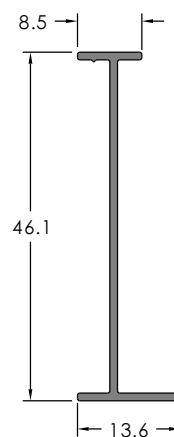
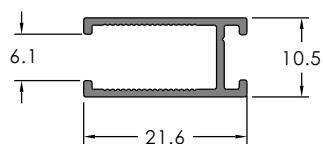
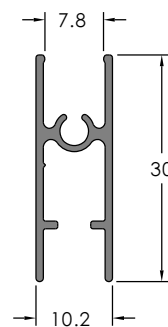
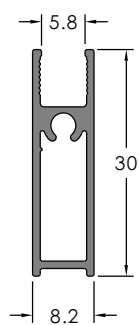


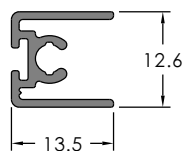
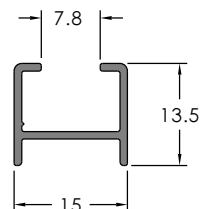
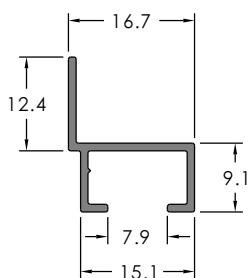
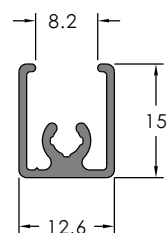


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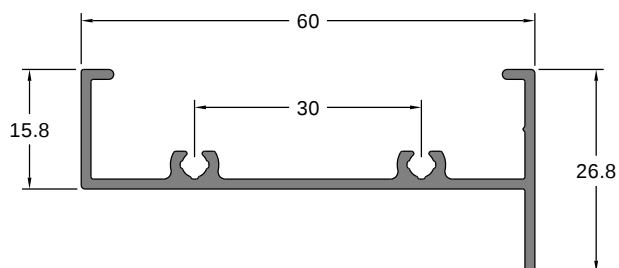
LINHA MODULAR



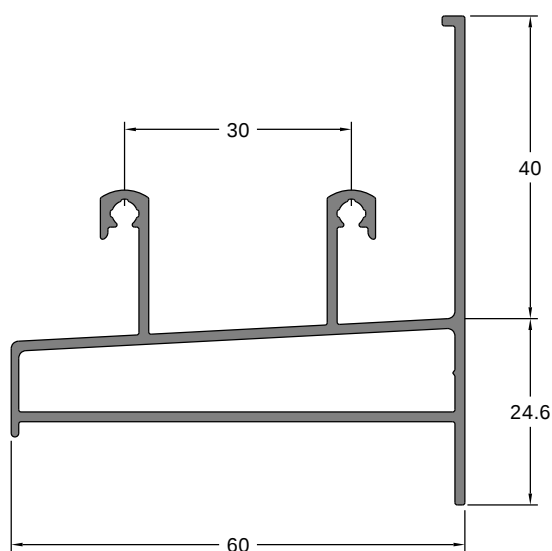
MAC-0802 0,255 Kg/m

MAC-0803 0,179 Kg/m

MAC-0671 0,149 Kg/m

MAC-0707 0,213 Kg/m

MAC-0672 0,221 Kg/m


MAC-0804 0,149 Kg/m

MAC-0805 0,124 Kg/m

MAC-0806 0,134 Kg/m

MAC-0807 0,169 Kg/m


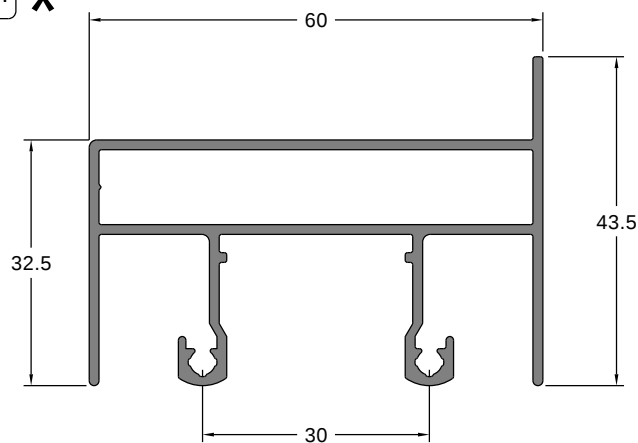
MAC-0952 0,444 Kg/m *



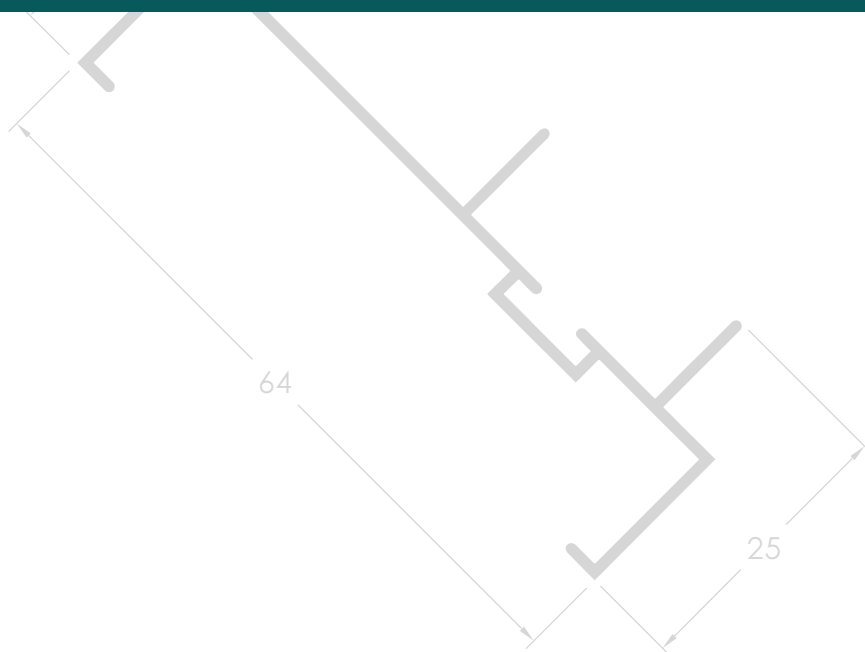
MAC-0953 0,884 Kg/m



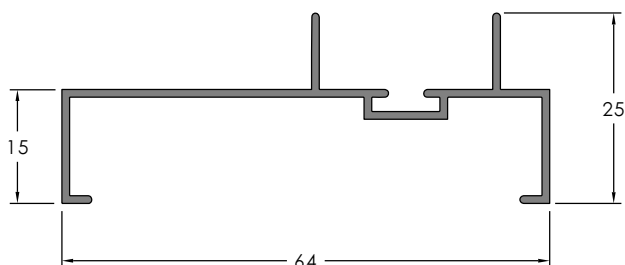
MAC-0954 0,898 Kg/m *

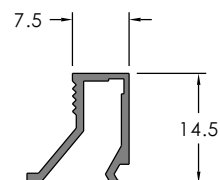
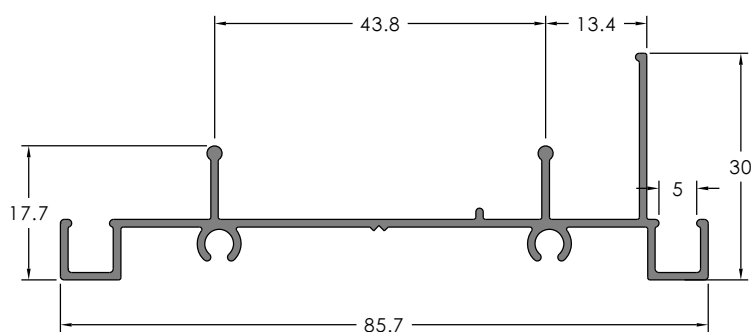
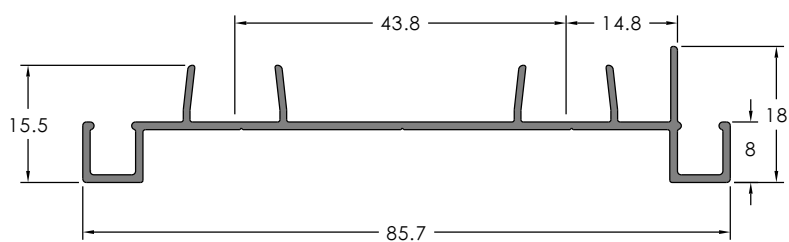


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MÓDULO
PRÁTICO

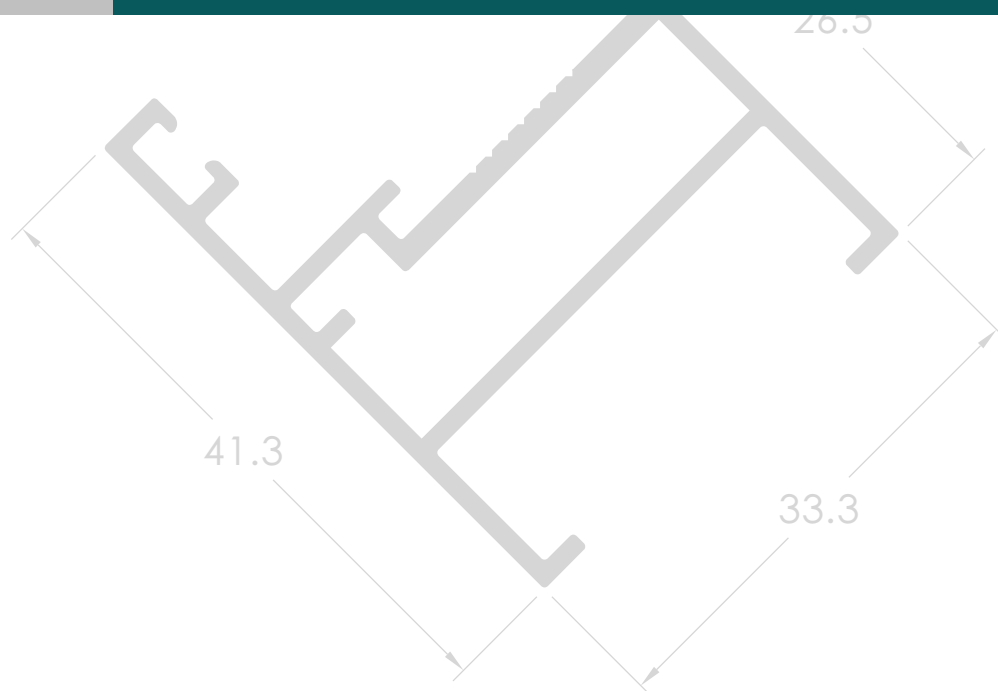
MAC-0040 0,378 Kg/m

MP-360

MAC-0054 0,106 Kg/m

BG-202

MAC-0468 0,496 Kg/m

MAC-0488 0,409 Kg/m


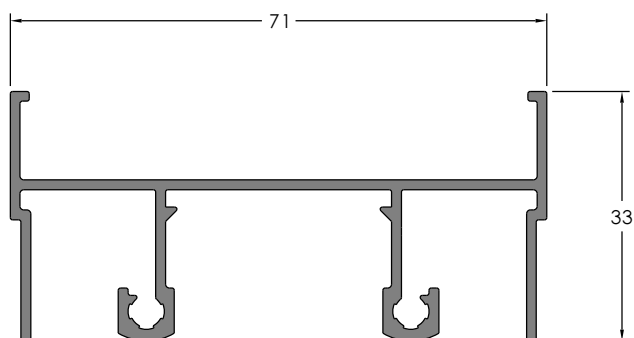
14

LINHA SUPREMA



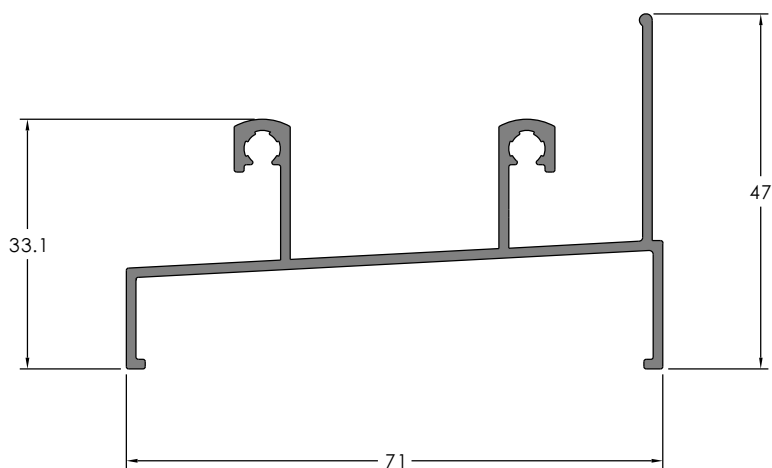
MAC-0144 0,713 Kg/m

SU-001



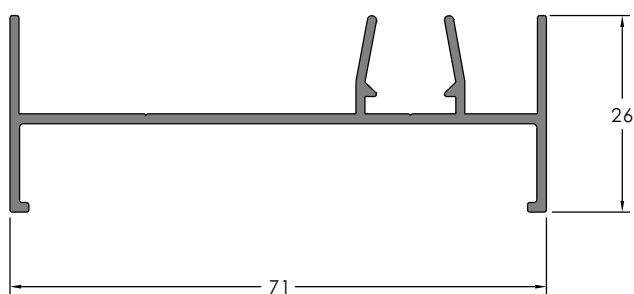
MAC-0272 0,691 Kg/m

SU-002



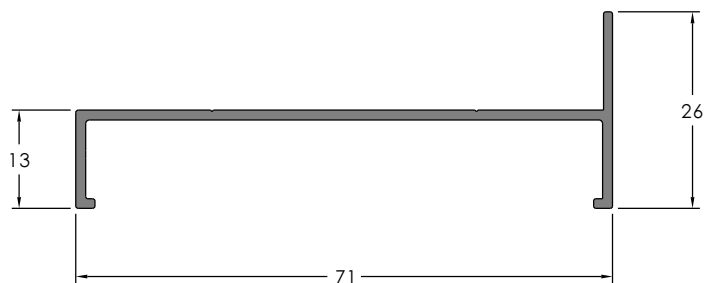
MAC-0167 0,490 Kg/m

SU-003



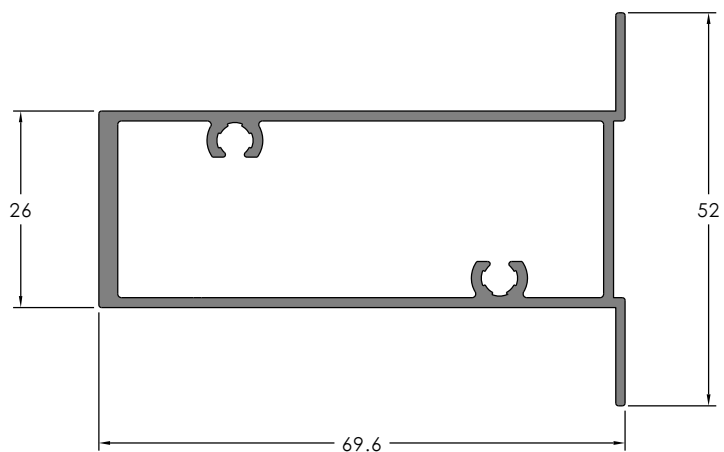
MAC-0171 0,357 Kg/m

SU-007



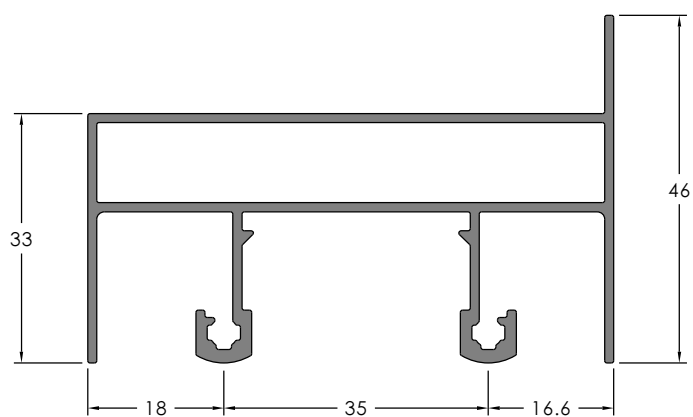
MAC-0273 0,845 Kg/m

SU-009



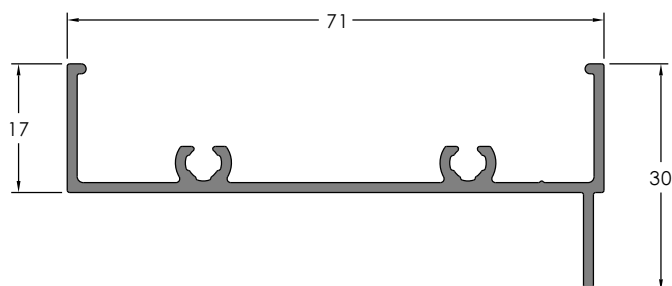
MAC-0570 0,959 Kg/m

SU-005



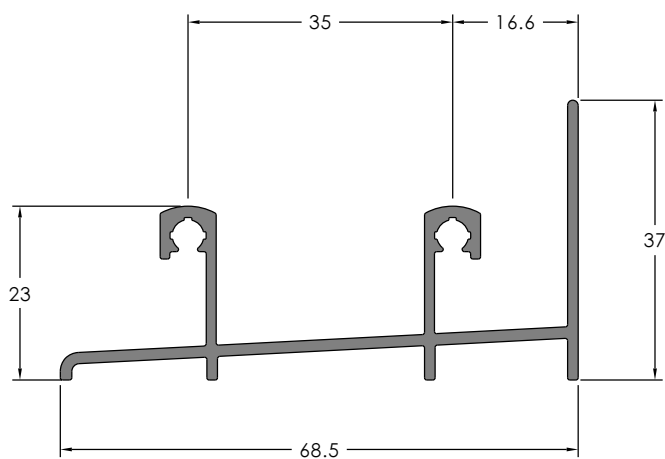
MAC-0736 0,506 Kg/m

SU-004



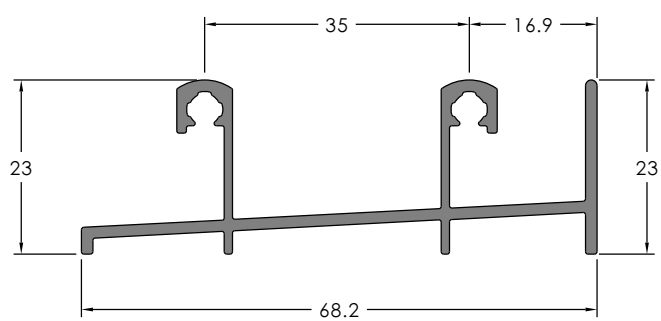
MAC-0757 0,683 Kg/m

SU-228



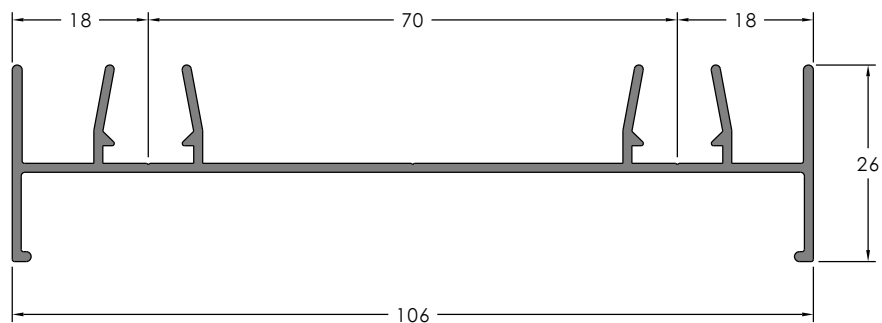
MAC-0641 0,612 Kg/m

SU-260



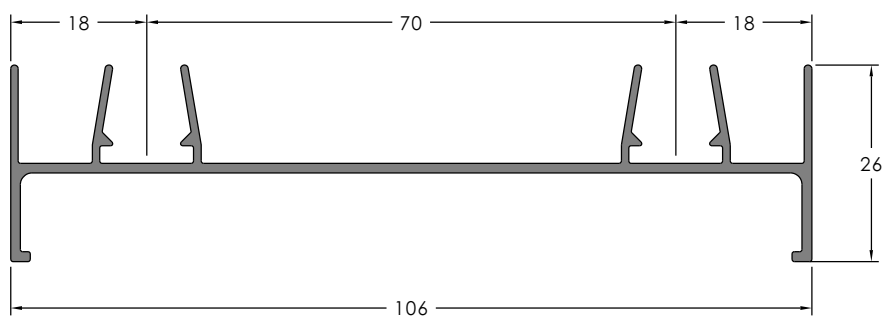
MAC-0561 0,707 Kg/m

SU-013



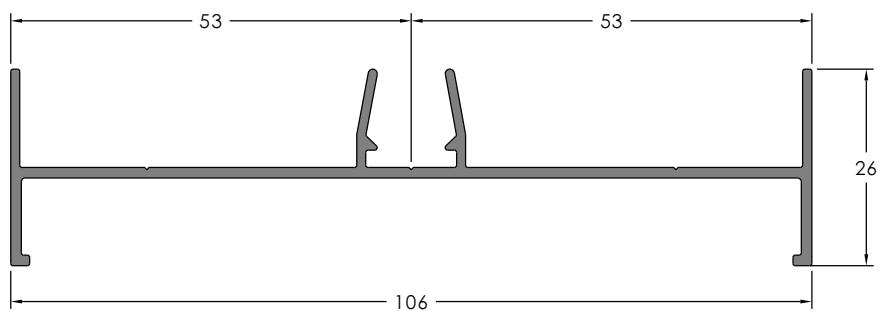
MAC-0571 0,699 Kg/m

SU-013



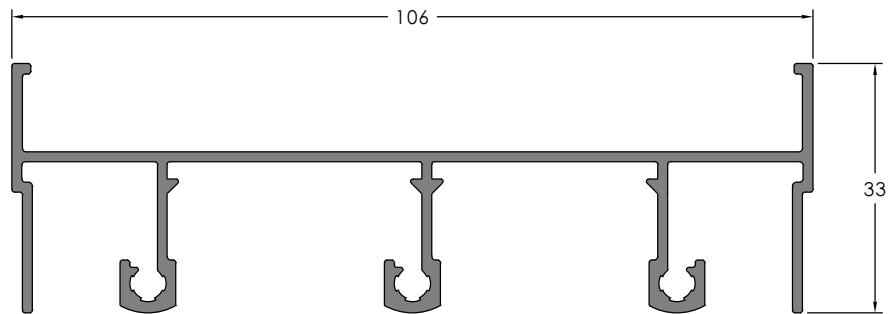
MAC-0572 0,677 Kg/m

SU-014



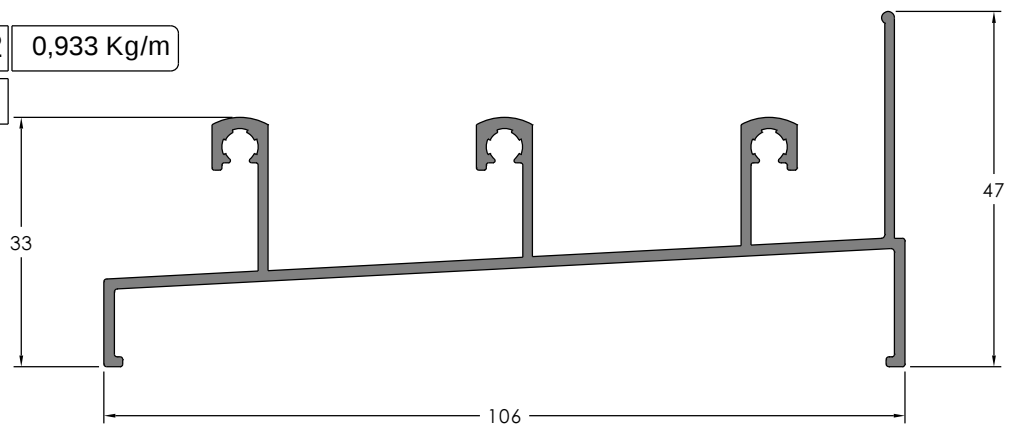
MAC-0145 0,970 Kg/m

SU-010



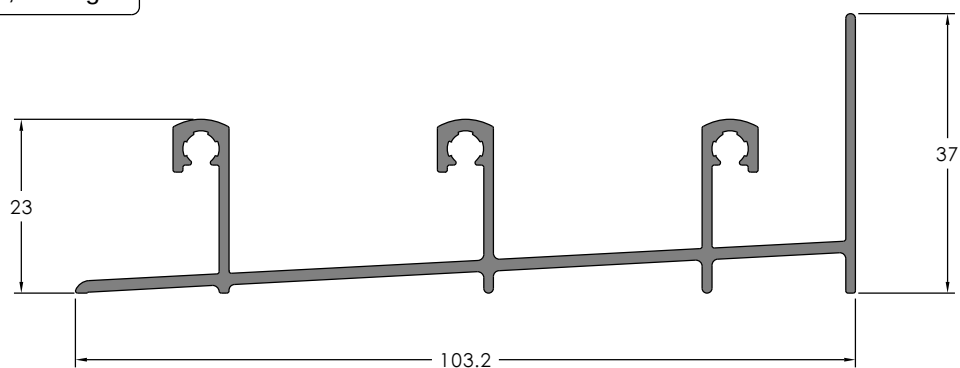
MAC-0142 0,933 Kg/m

SU-011



MAC-0744 0,932 Kg/m

SU-230



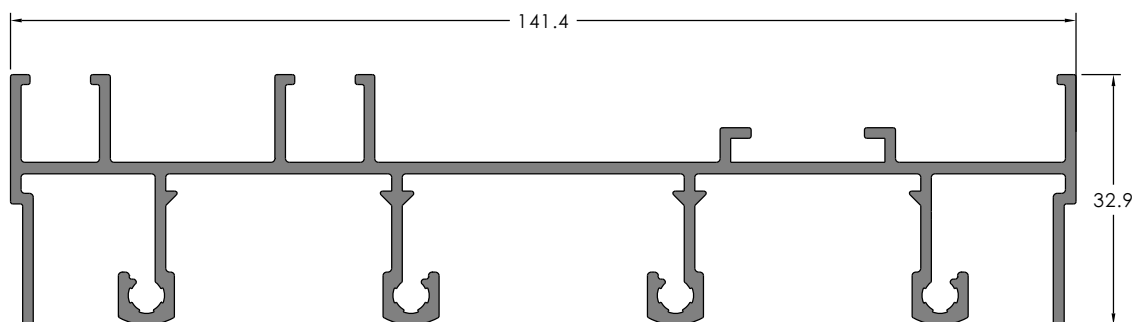
MAC-0148 0,508 Kg/m

SU-012



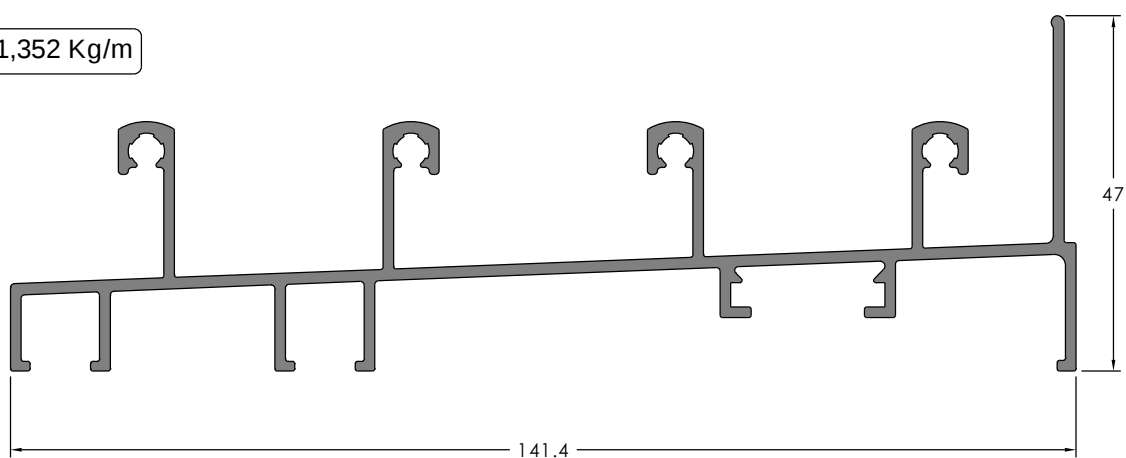
MAC-0146 1,423 Kg/m

SU-121



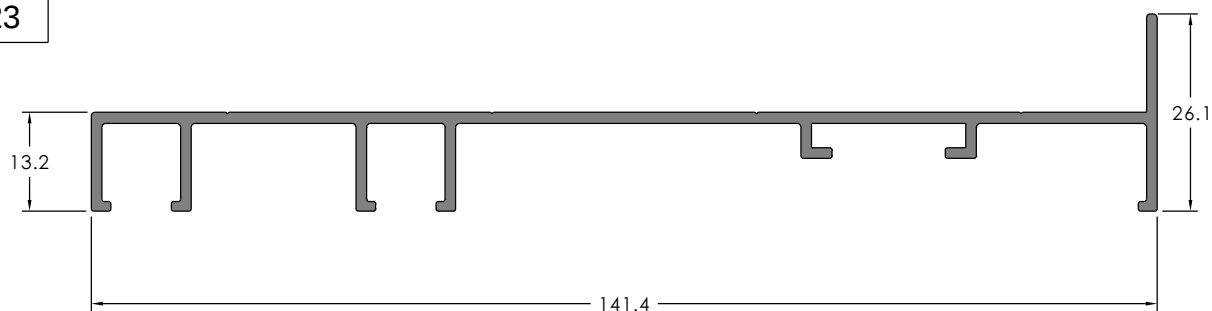
MAC-0143 1,352 Kg/m

SU-122



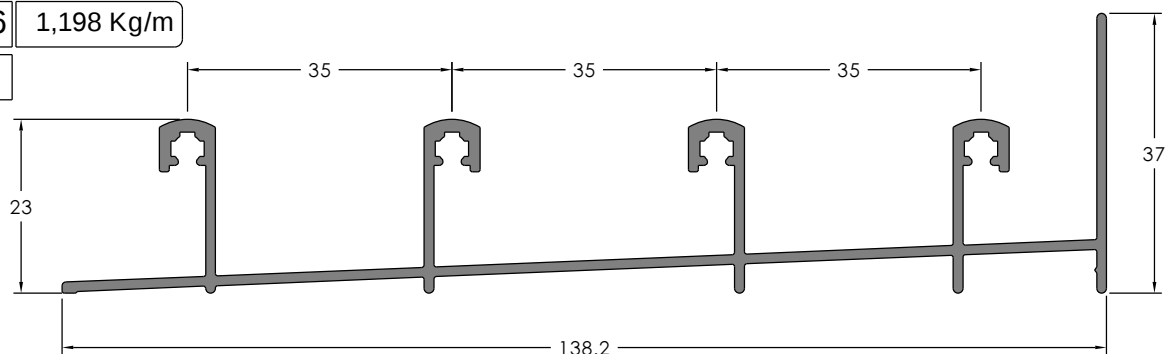
MAC-0141 0,828 Kg/m

SU-123

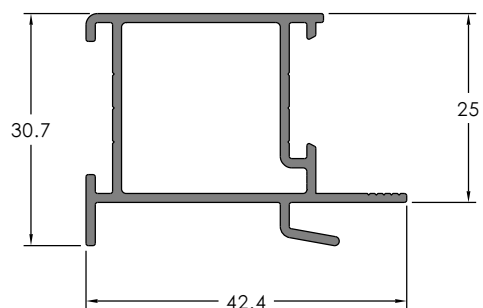


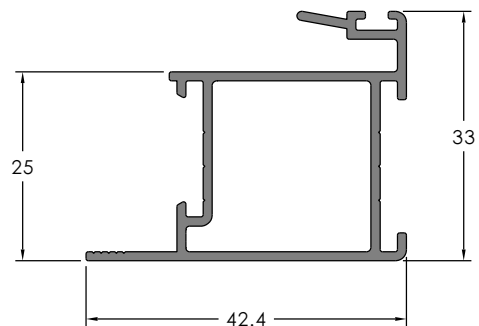
MAC-0976 1,198 Kg/m

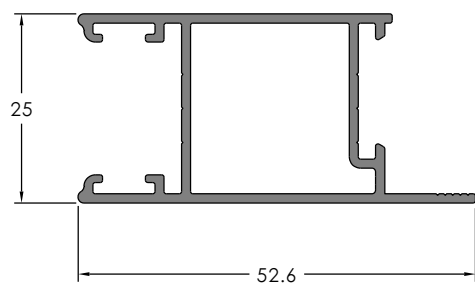
SU-124

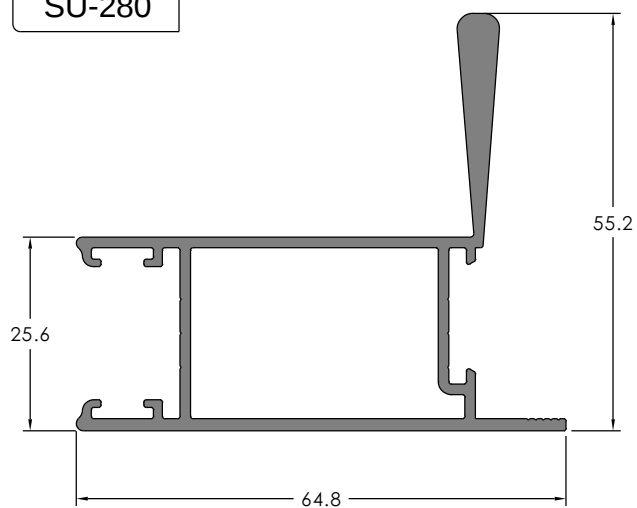


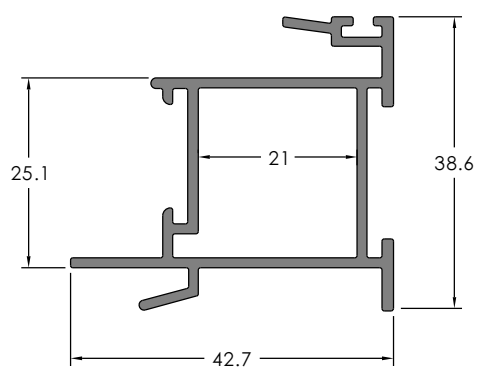
MAC-0151 0,452 Kg/m

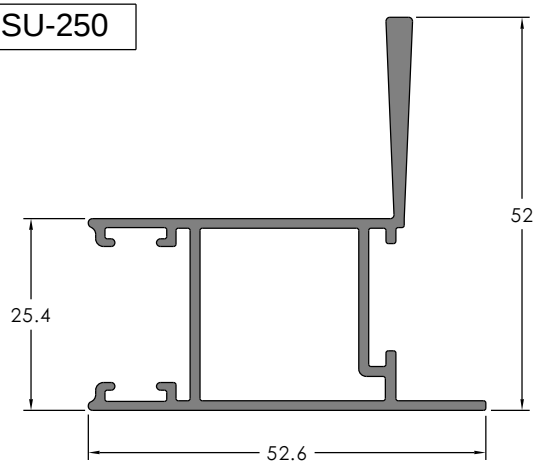
SU-040

MAC-0176 0,506 Kg/m

SU-041

MAC-0147 0,494 Kg/m

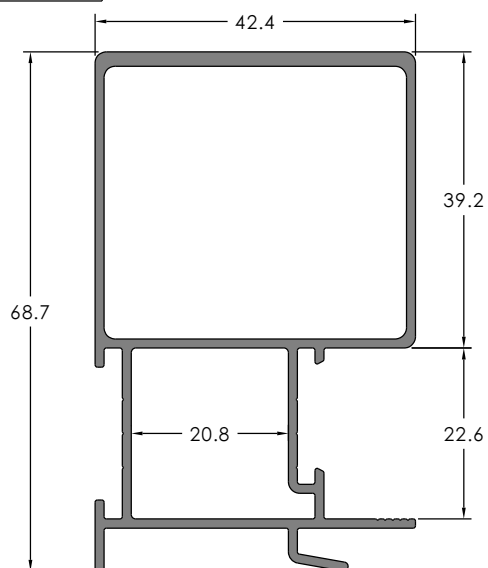
SU-039

MAC-0280 0,815 Kg/m

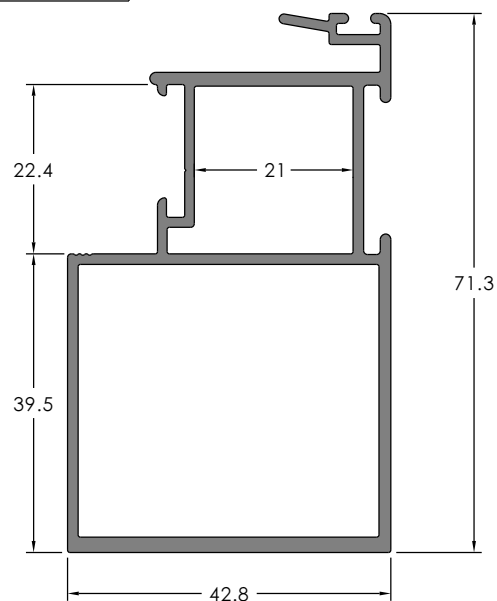
SU-280

MAC-0737 0,630 Kg/m

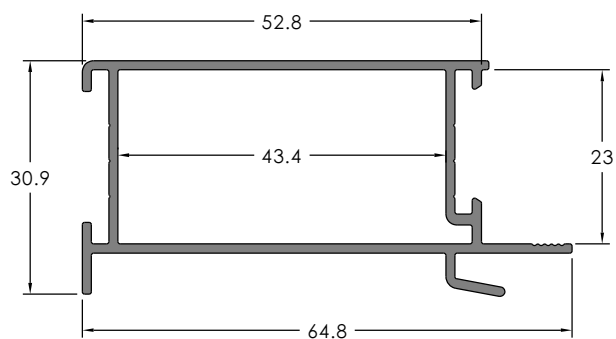
SU-042

MAC-0573 0,734 Kg/m

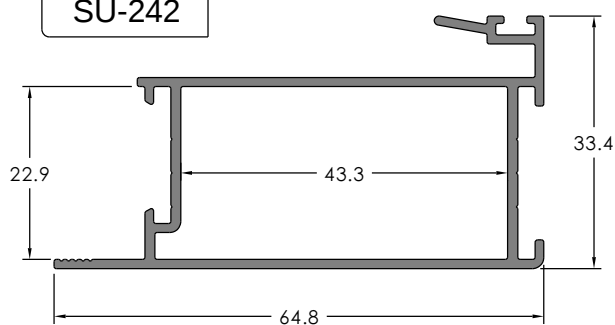
SU-250


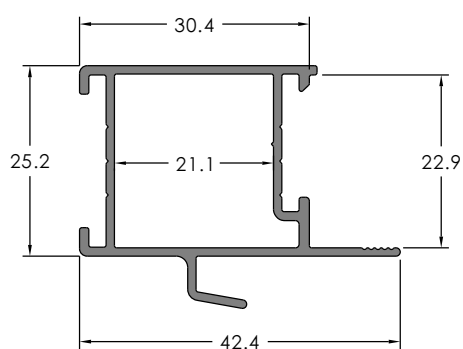
MAC-0722 0,969 Kg/m

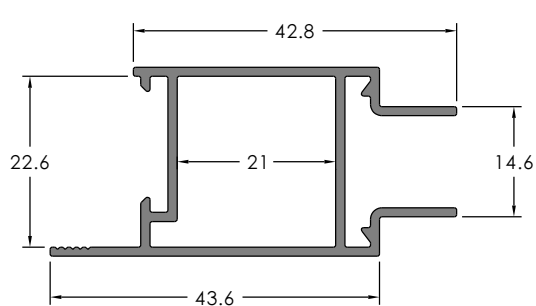
SU-047

MAC-0753 1,136 Kg/m

SU-049

MAC-0730 0,632 Kg/m

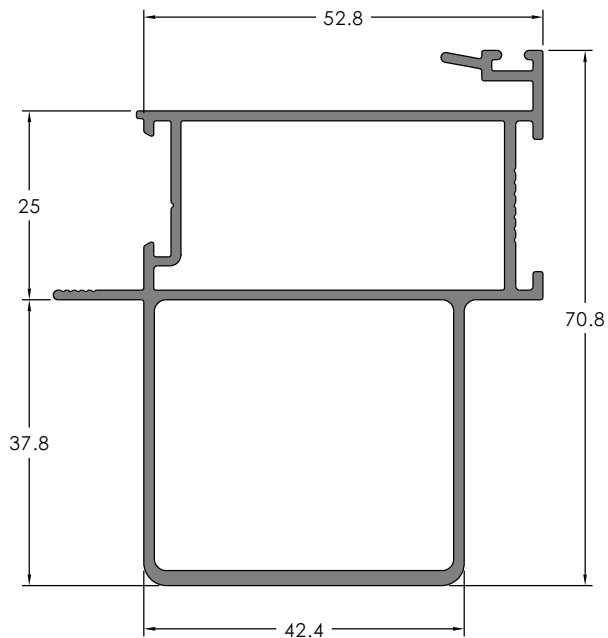
SU-243

MAC-0729 0,669 Kg/m

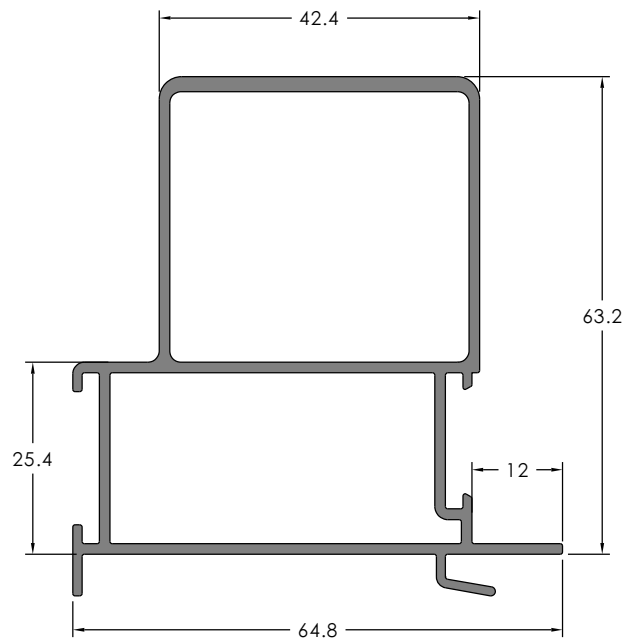
SU-242

MAC-0723 0,437 Kg/m

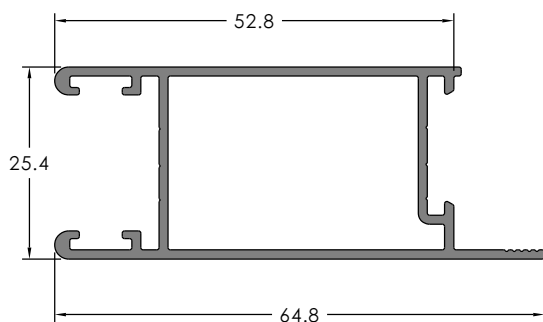
SU-058

MAC-0727 0,522 Kg/m

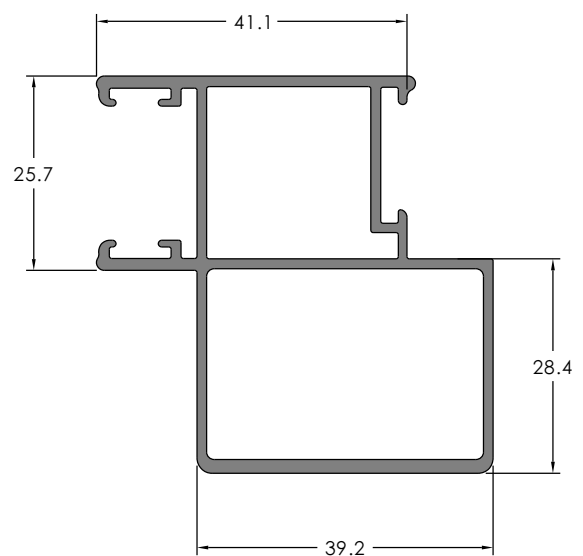
SU-192


MAC-0758 1,210 Kg/m

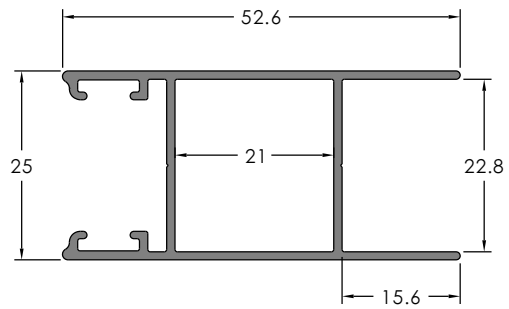
SU-290

MAC-0644 1,210 Kg/m

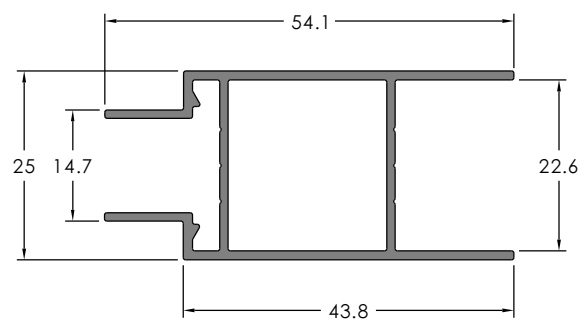
SU-289

MAC-0731 0,605 Kg/m

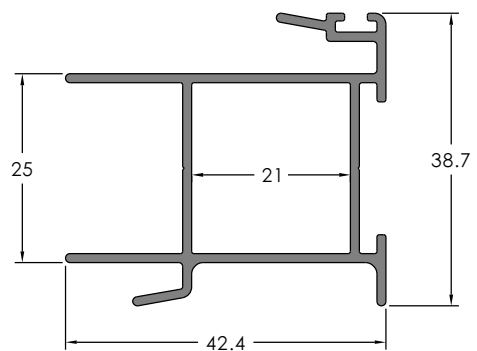
SU-245

MAC-0738 0,958 Kg/m

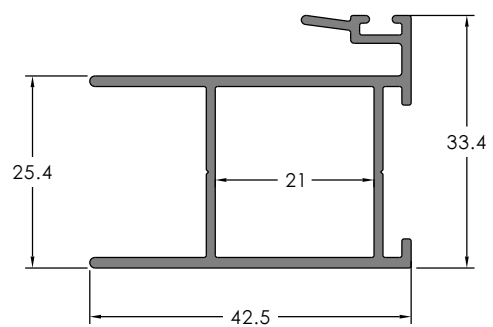
SU-044


MAC-0739 0,496 Kg/m

SU-068

MAC-0743 0,520 Kg/m

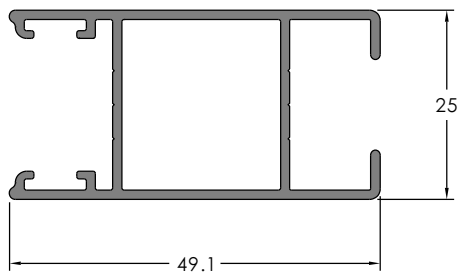
SU-191

MAC-0740 0,577 Kg/m

SU-069

MAC-0754 0,566 Kg/m

SU-070


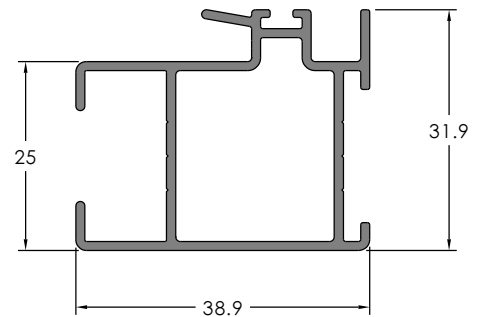
MAC-0169 0,543 Kg/m

SU-055



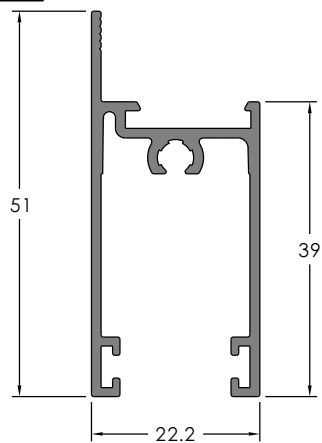
MAC-0279 0,542 Kg/m

SU-056



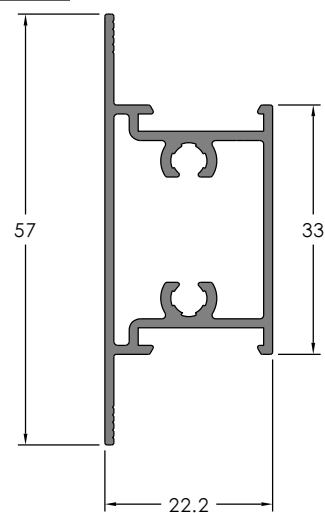
MAC-0173 0,469 Kg/m

SU-053



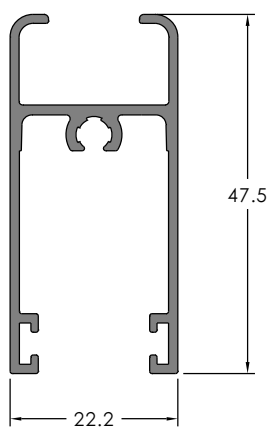
MAC-0179 0,505 Kg/m

SU-227



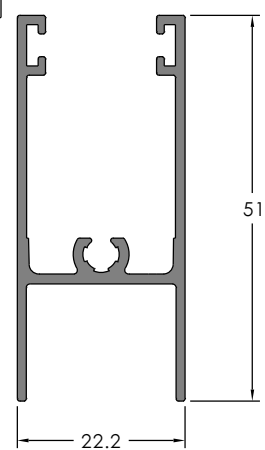
MAC-0168 0,507 Kg/m

SU-186

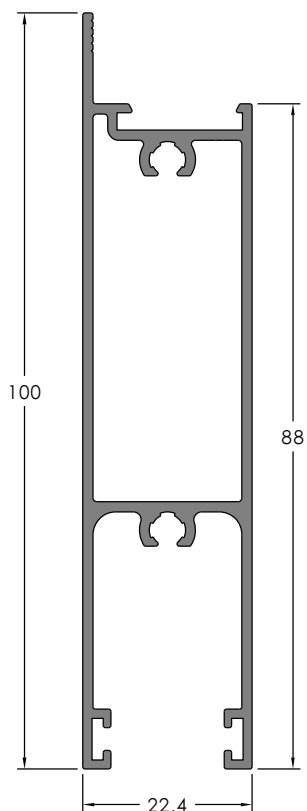


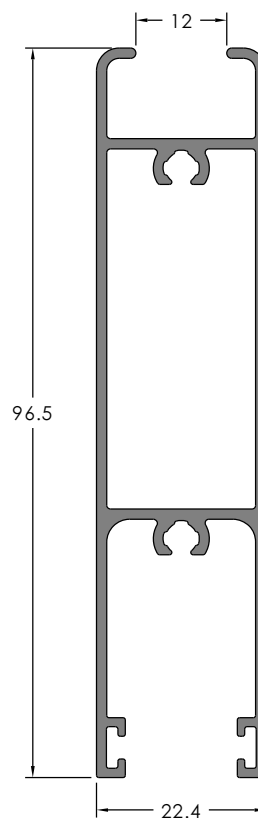
MAC-0174 0,492 Kg/m

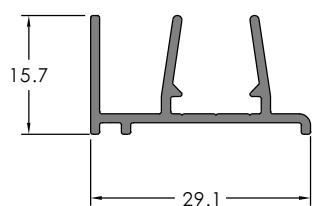
SU-187

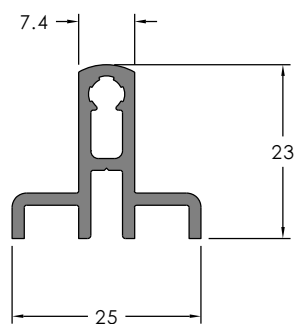


MAC-0178 0,935 Kg/m

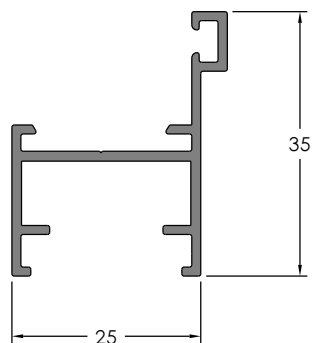
SU-225

MAC-0728 1,015 Kg/m

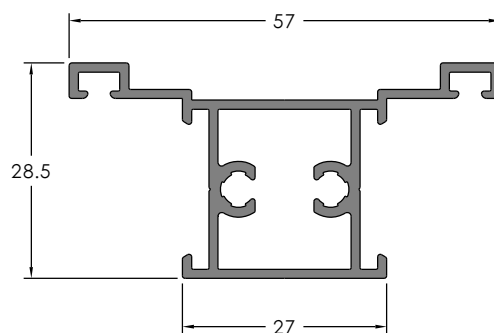
SU-226

MAC-0172 0,247 Kg/m

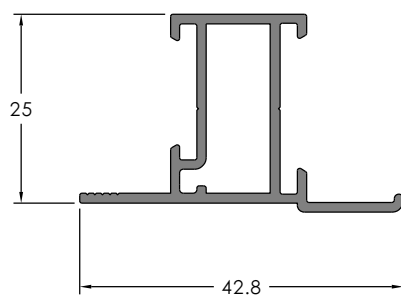
SU-008

MAC-0277 0,292 Kg/m

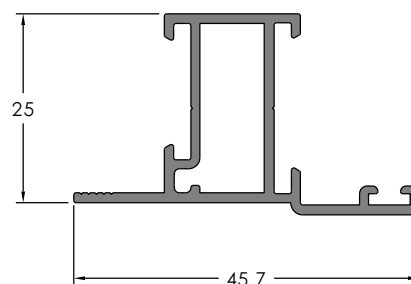
SU-271


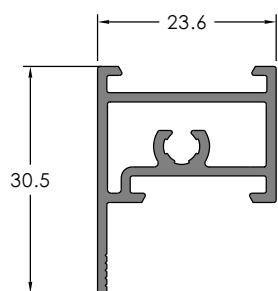
MAC-0181 0,331 Kg/m

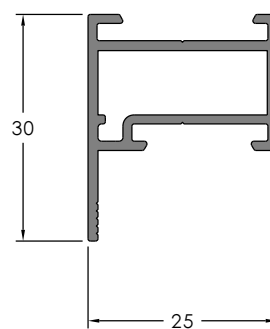
SU-079

MAC-0537 0,586 Kg/m

SU-086

MAC-0278 0,397 Kg/m

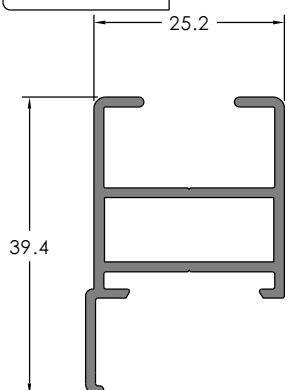
SU-081

MAC-0170 0,443 Kg/m

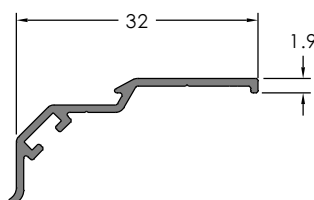
SU-200

MAC-0183 0,379 Kg/m

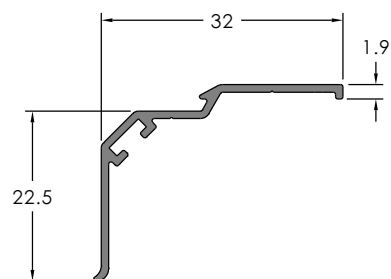
SU-082

MAC-0177 0,357 Kg/m

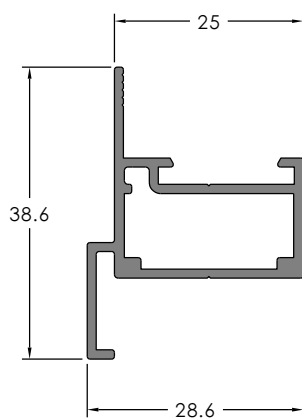
SU-080


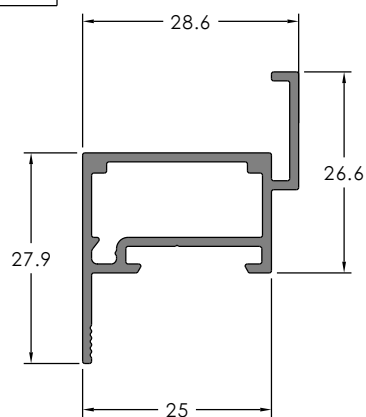
MAC-0274 0,452 Kg/m

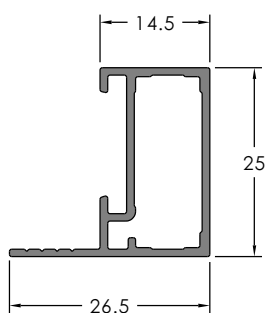
SU-090

MAC-0175 0,144 Kg/m

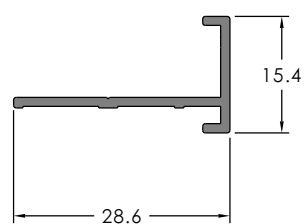
SU-083

MAC-0387 0,168 Kg/m

SU-276

MAC-0275 0,380 Kg/m

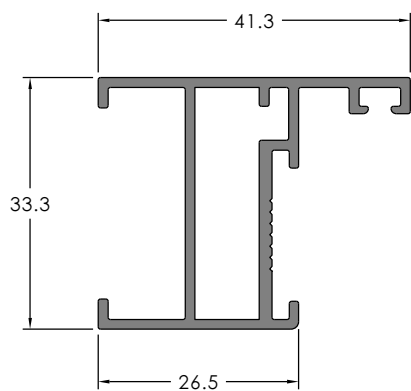
SU-097

MAC-0725 0,398 Kg/m

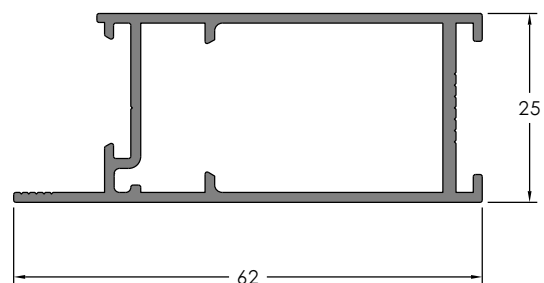
SU-098

MAC-0724 0,270 Kg/m

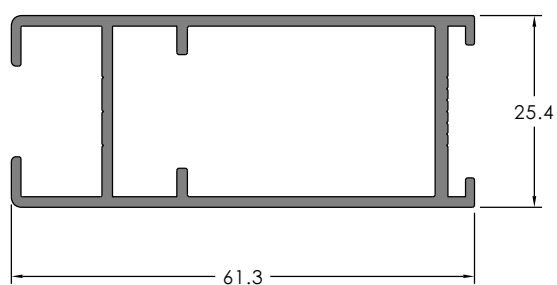
SU-096

MAC-0276 0,154 Kg/m

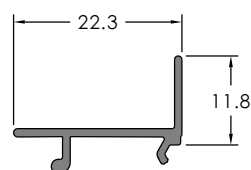
SU-100


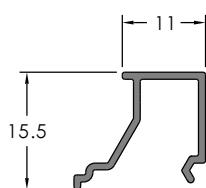
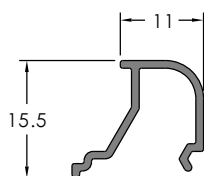
MAC-0182 0,540 Kg/m

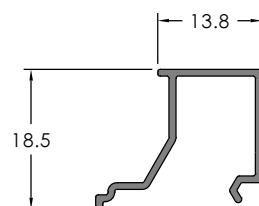
SU-279

MAC-0180 0,620 Kg/m

SU-111

MAC-0166 0,698 Kg/m

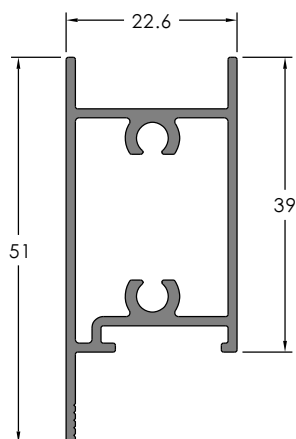
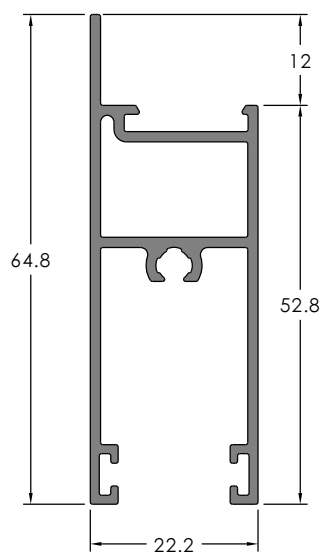
SU-241

MAC-0726 0,124 Kg/m

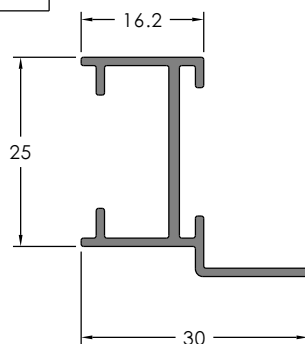
SU-108

MAC-0149 0,110 Kg/m

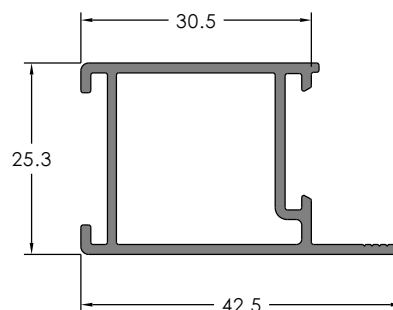
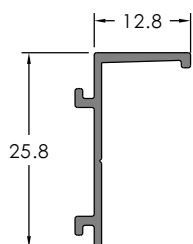
SU-102

MAC-0783 0,117 Kg/m

MAC-0339 0,155 Kg/m

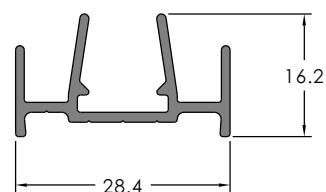
SU-103


MAC-0755 0,540 Kg/m

SU-110

MAC-0645 0,676 Kg/m

MAC-0784 0,276 Kg/m

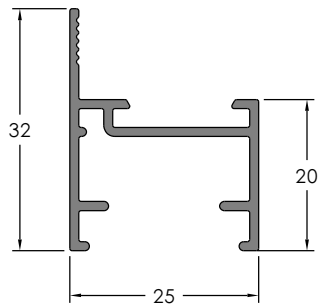
SU-071

MAC-0756 0,457 Kg/m

SU-120

MAC-0741 0,128 Kg/m

MAC-0974 0,263 Kg/m

SU-291


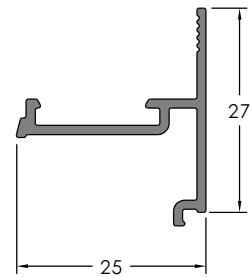
MAC-0742 0,301 Kg/m

SU-088



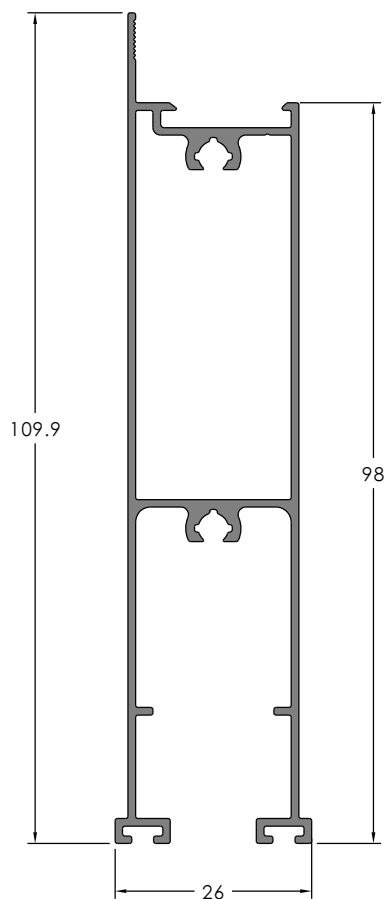
MAC-0745 0,212 Kg/m

SU-292



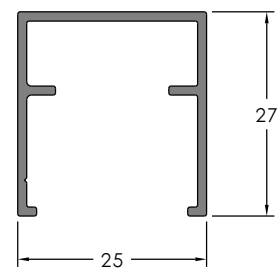
MAC-0882 0,994 Kg/m

MG25-247



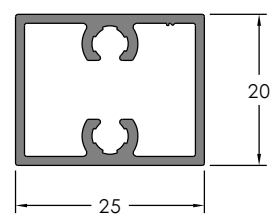
MAC-0639 0,281 Kg/m

SU-093



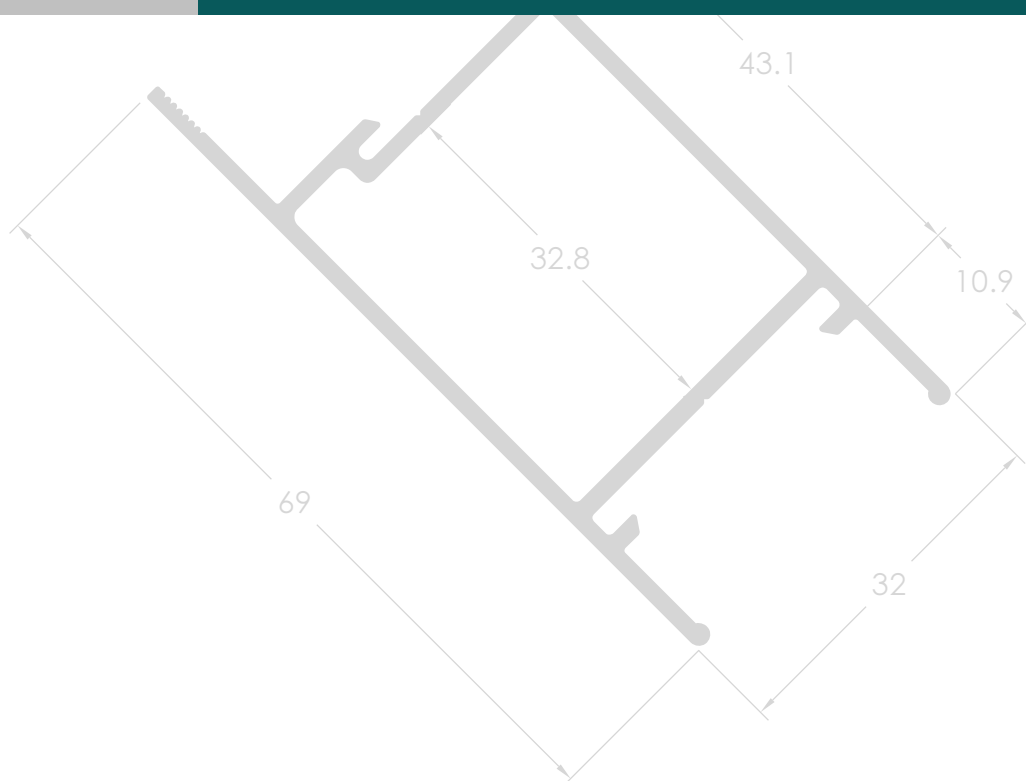
MAC-0666 0,368 Kg/m

SU-094



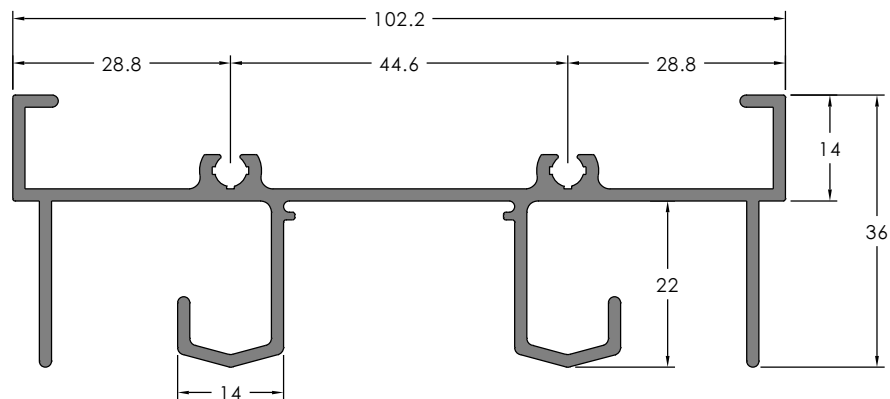
15

LINHA GOLD



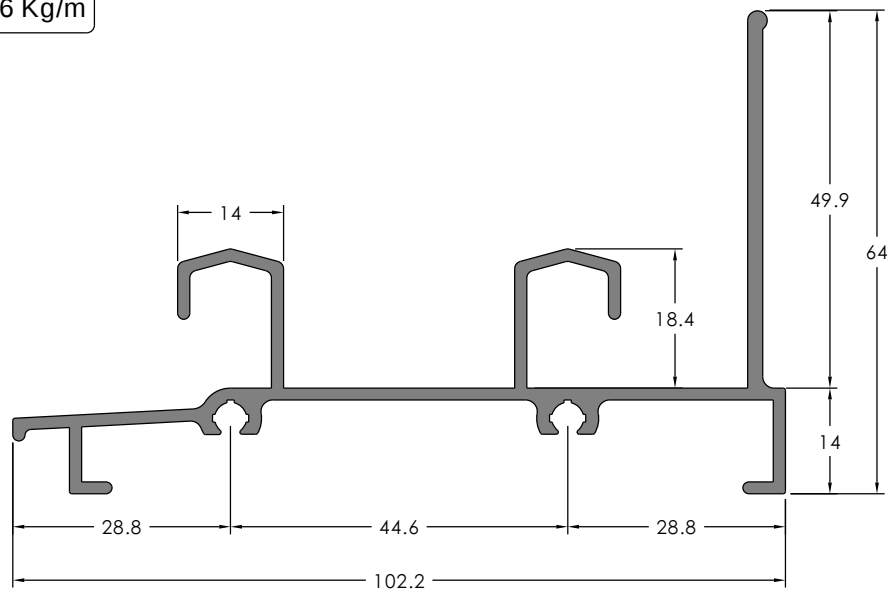
MAC-0293 1,244 Kg/m

LG-044



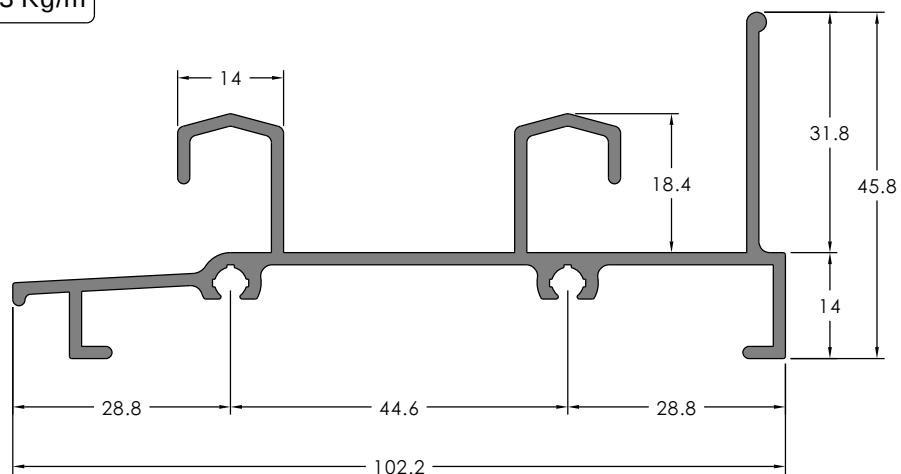
MAC-0199 1,236 Kg/m

LG-024



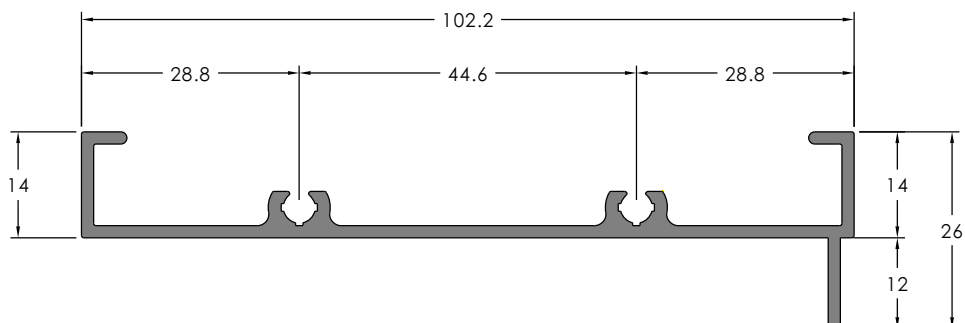
MAC-0198 1,133 Kg/m

LG-047



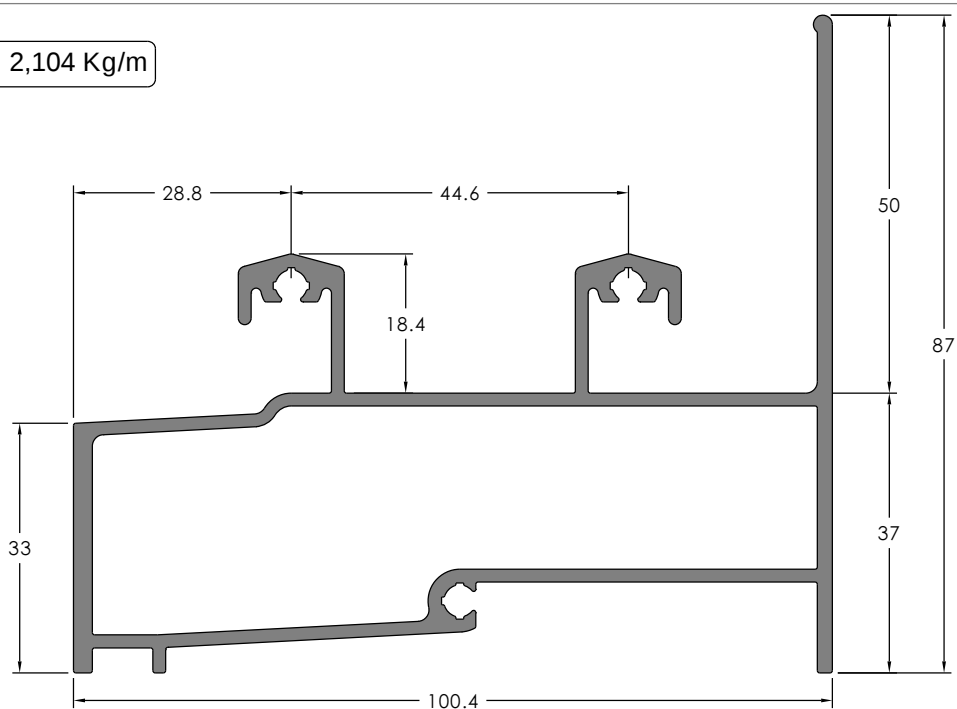
MAC-0202 0,736 Kg/m

LG-003



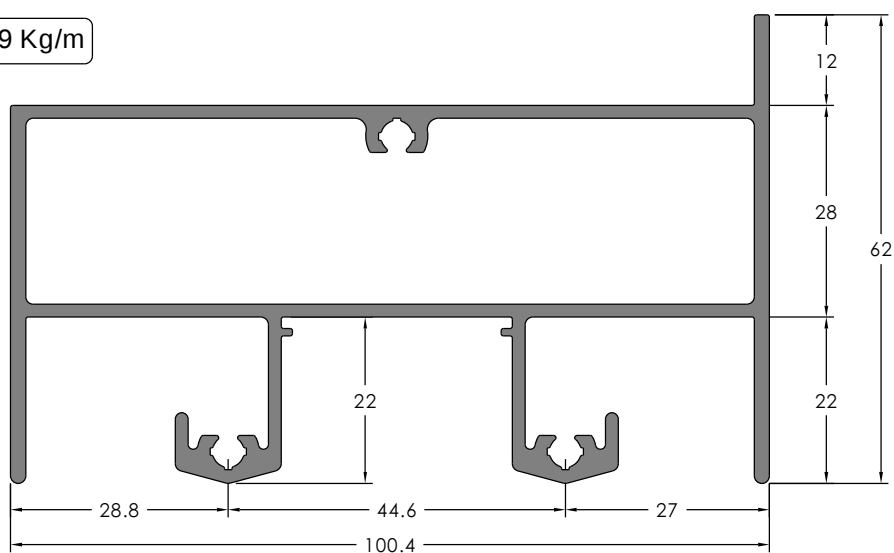
MAC-0204 2,104 Kg/m

LG-005

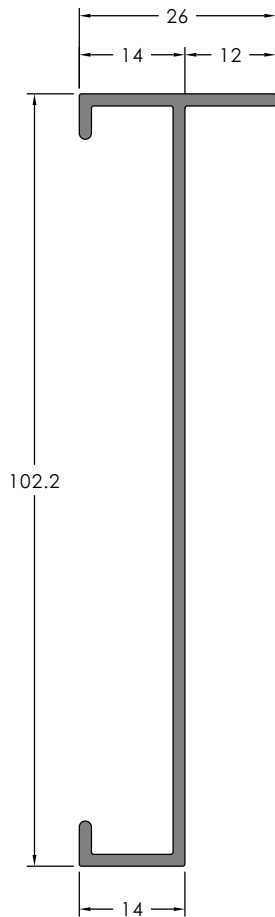


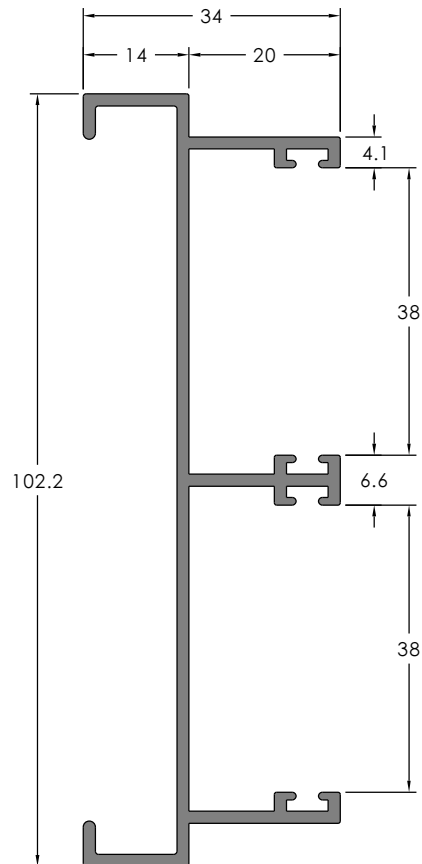
MAC-0203 2,019 Kg/m

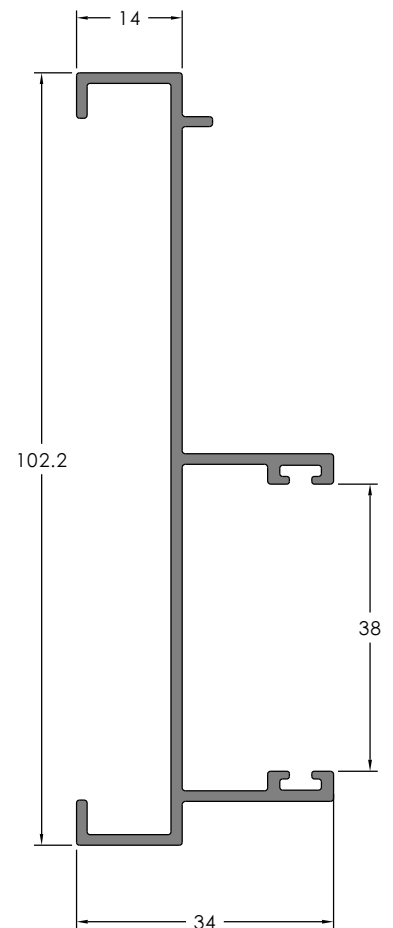
LG-004

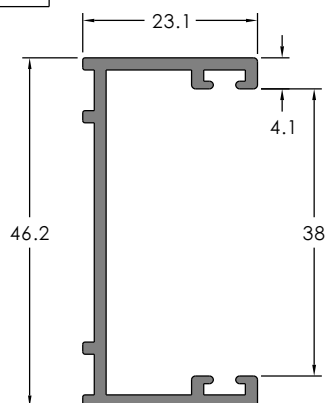


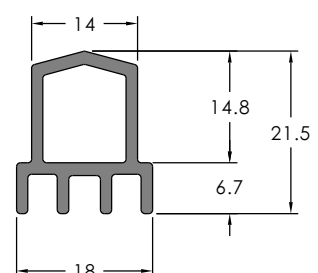
MAC-0200 0,639 Kg/m

LG-002

MAC-0364 0,959 Kg/m

LG-045

MAC-0733 0,773 Kg/m

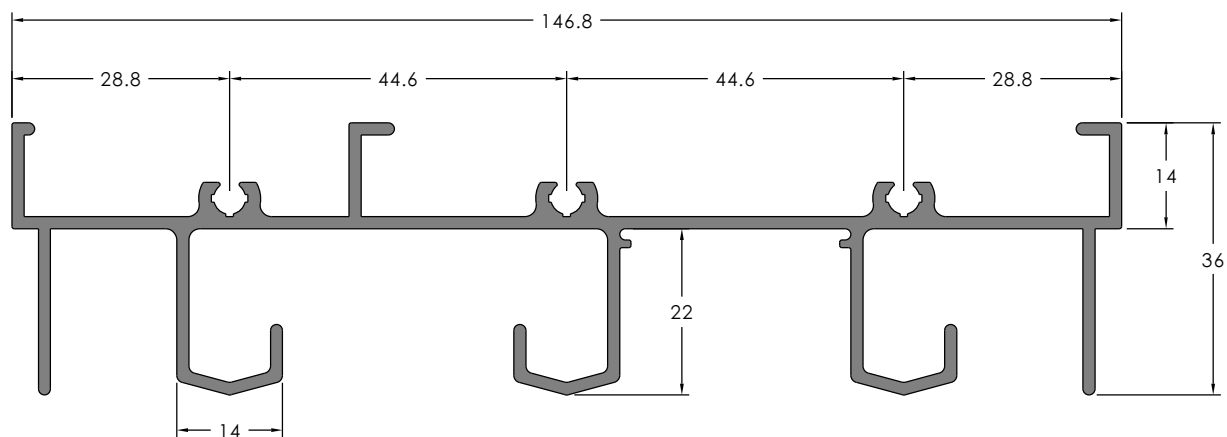
LG-124

MAC-0201 0,455 Kg/m

LG-028

MAC-0291 0,317 Kg/m

LG-061


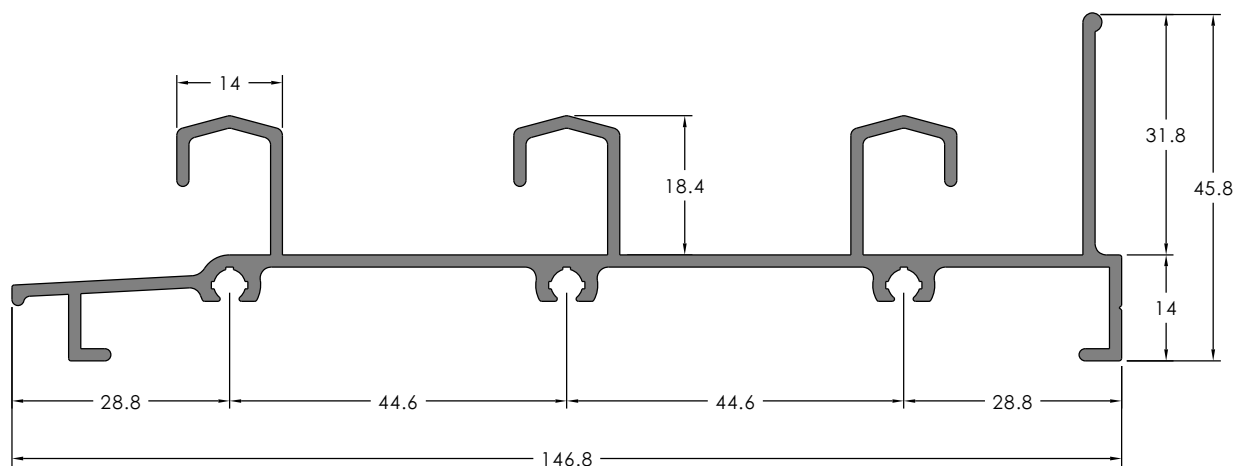
MAC-0389 1,710 Kg/m

LG-062



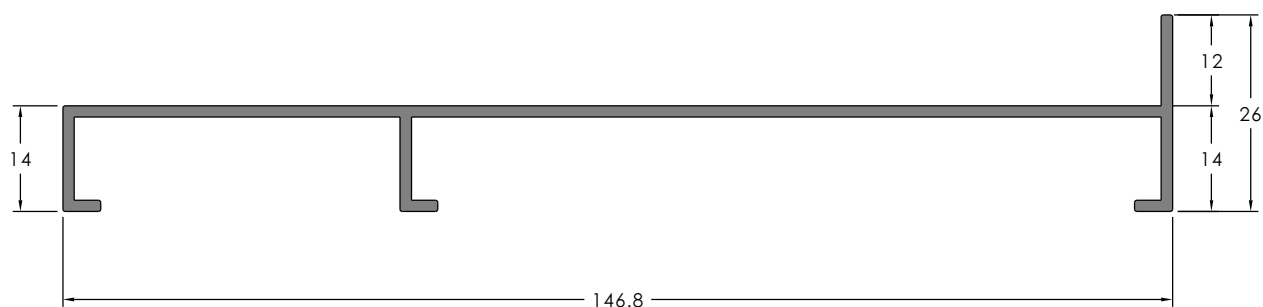
MAC-0390 1,531 Kg/m

LG-066



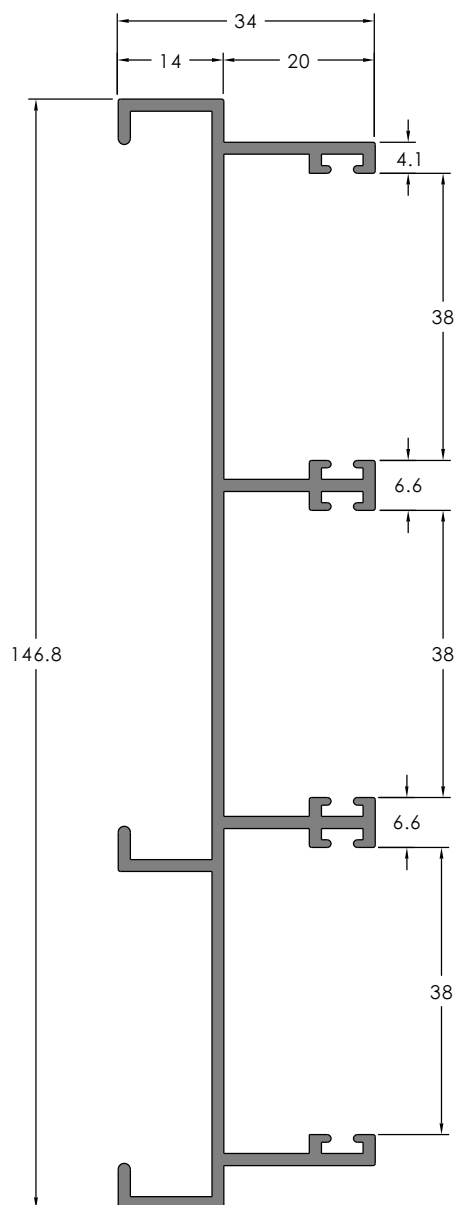
MAC-0397 0,875 Kg/m

LG-158



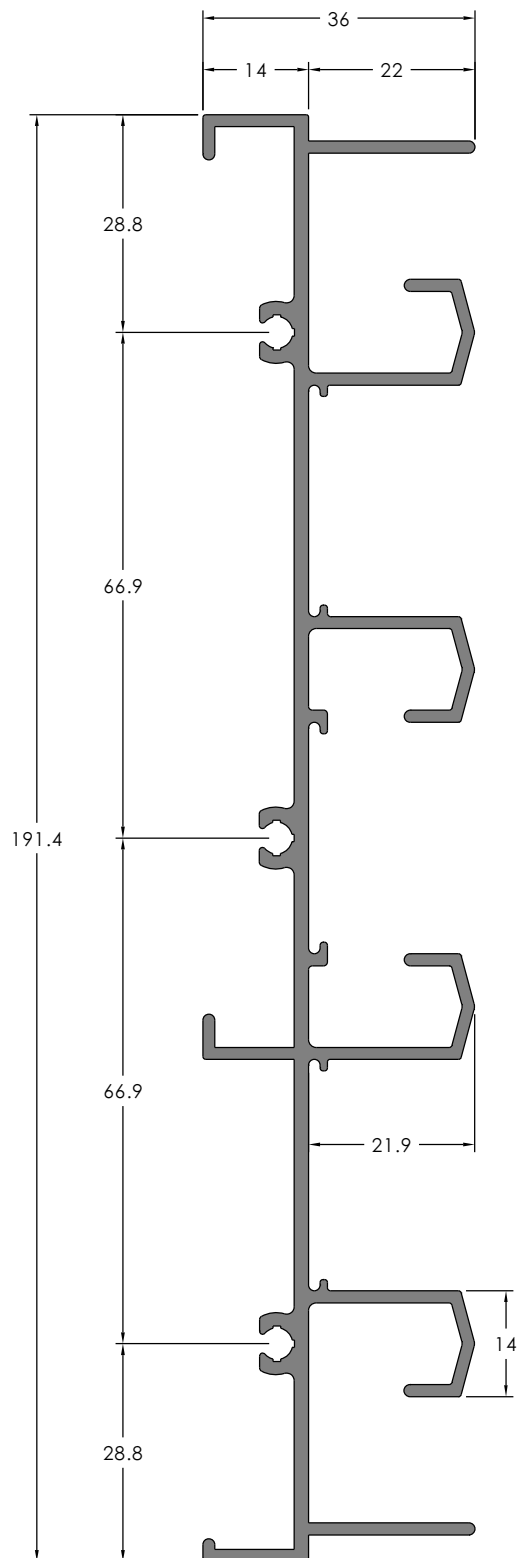
MAC-0205 1,358 Kg/m

LG-064



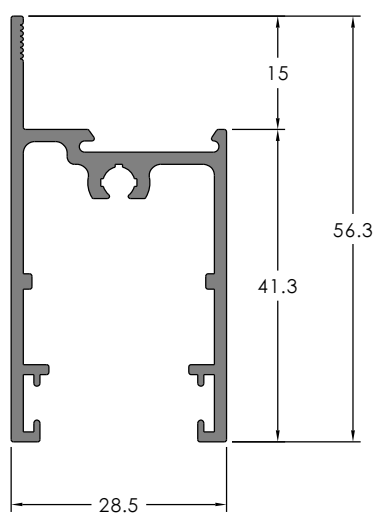
MAC-0292 2,174 Kg/m

LG-070



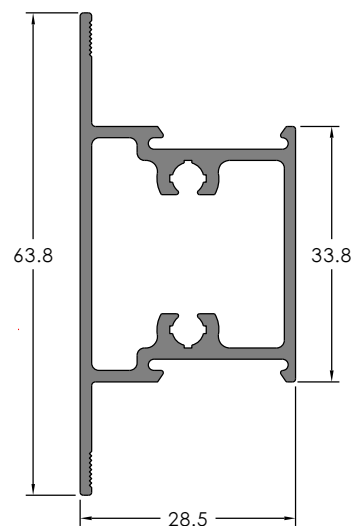
MAC-0206 0,672 Kg/m

LG-006



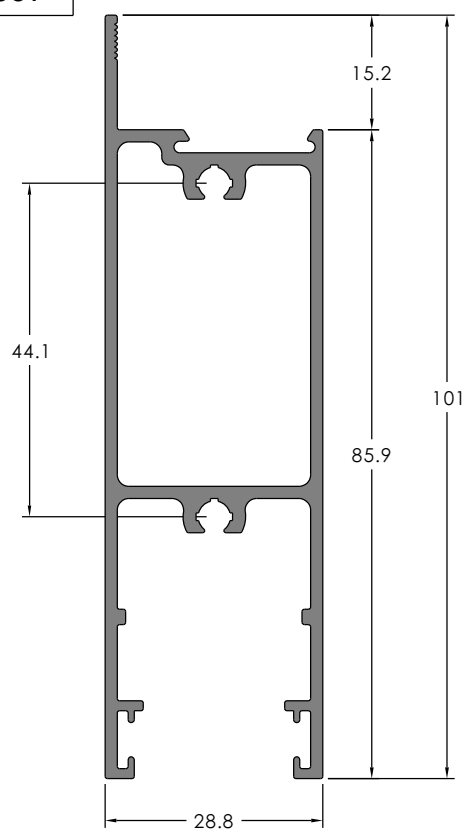
MAC-0569 0,759 Kg/m

LG-055



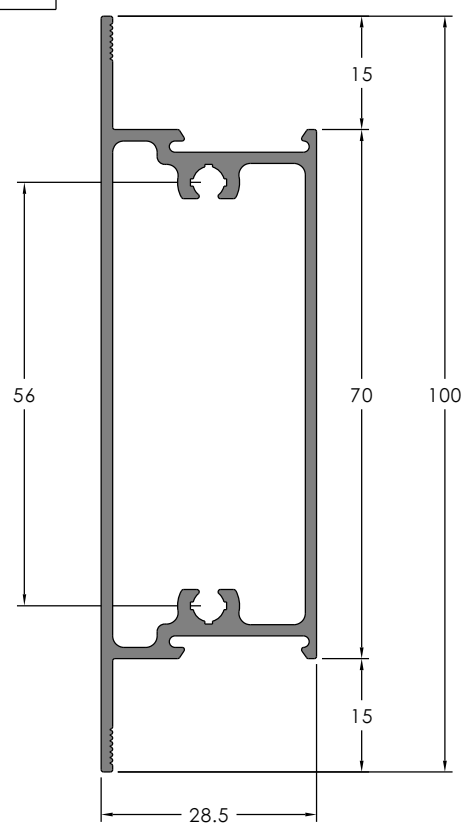
MAC-0207 1,206 Kg/m

LG-007

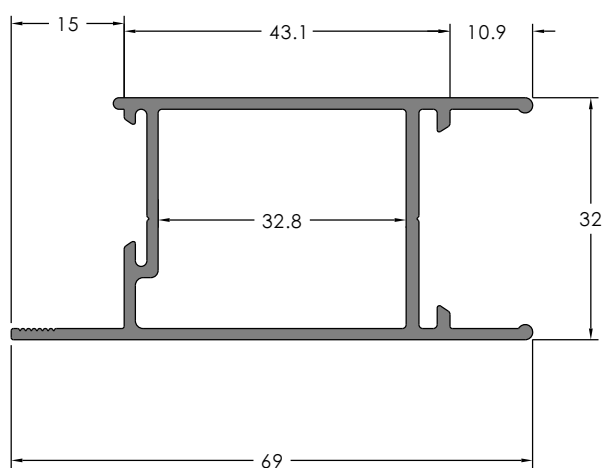


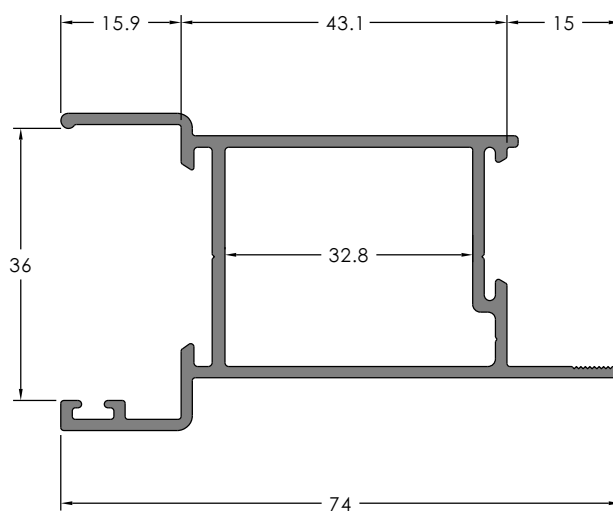
MAC-0208 1,064 Kg/m

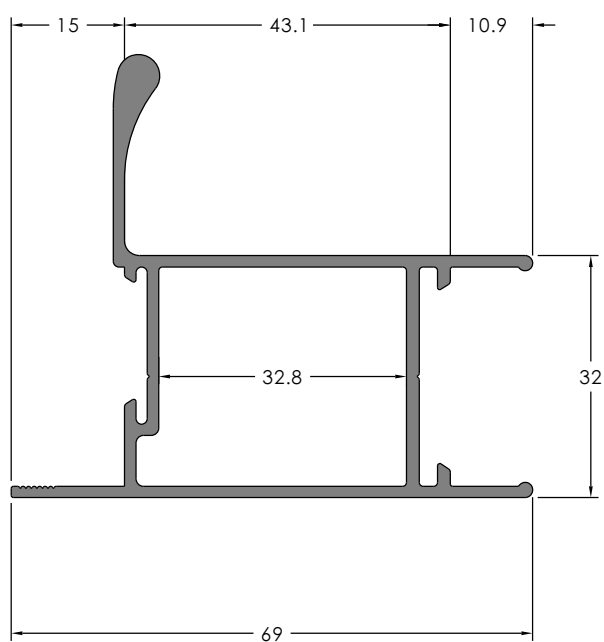
LG-022

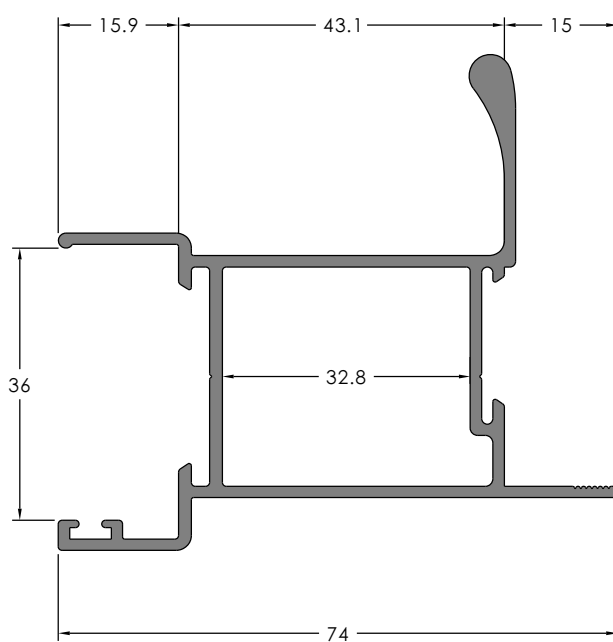


MAC-0209 0,816 Kg/m

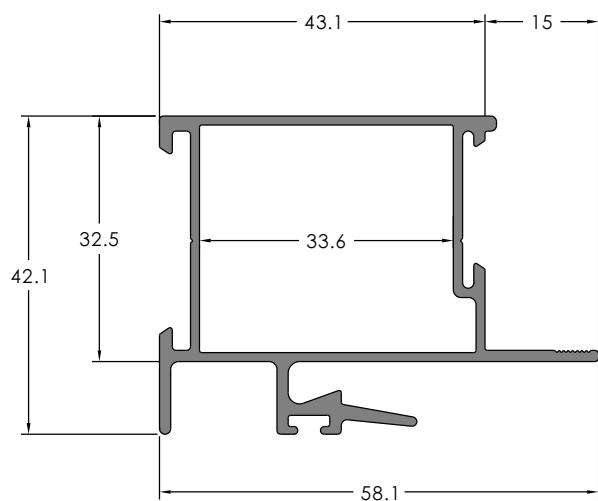
LG-050

MAC-0895 0,916 Kg/m

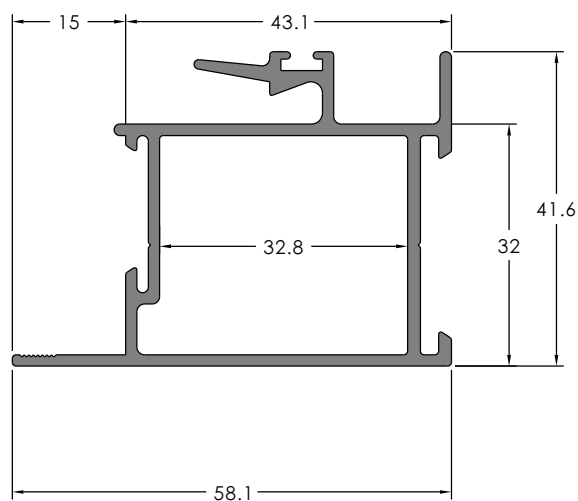
LG-051

MAC-0210 1,010 Kg/m

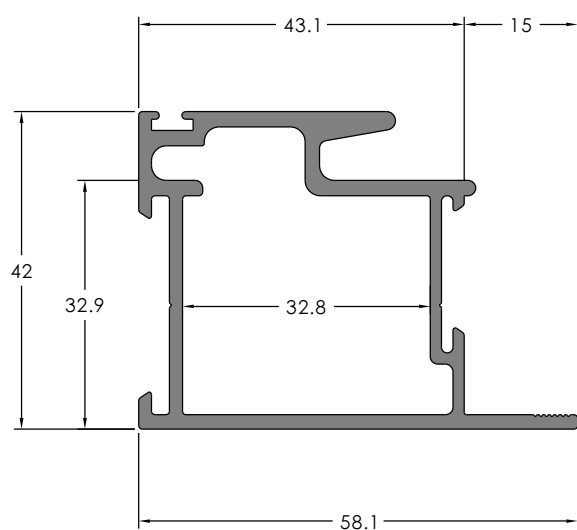
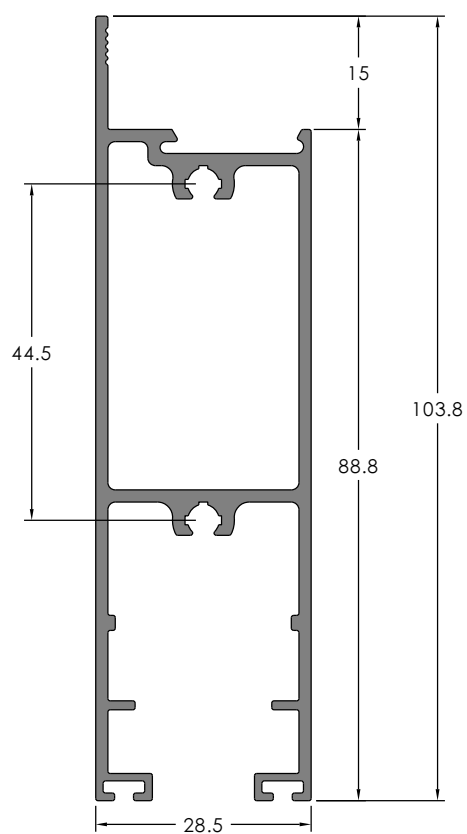
LG-017

MAC-0211 1,123 Kg/m

LG-020


MAC-0496 0,798 Kg/m

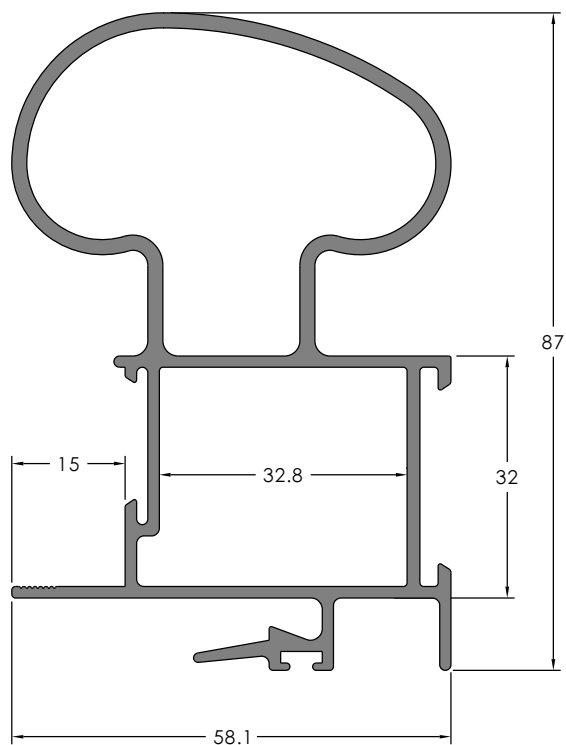
LG-048

MAC-0497 0,907 Kg/m

LG-049

MAC-0214 1,001 Kg/m

LG-019

MAC-0640 1,275 Kg/m


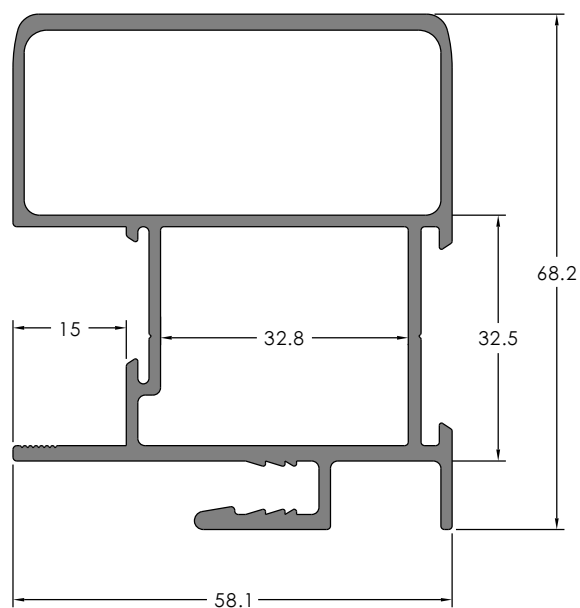
MAC-0213 1,733 Kg/m

LG-021



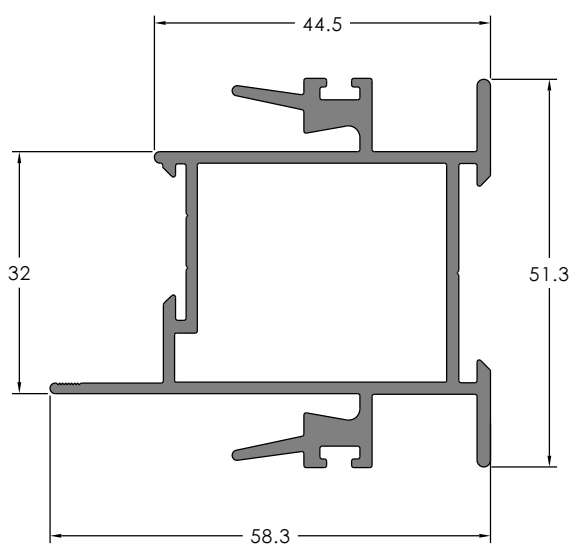
MAC-0212 1,563 Kg/m

LG-018



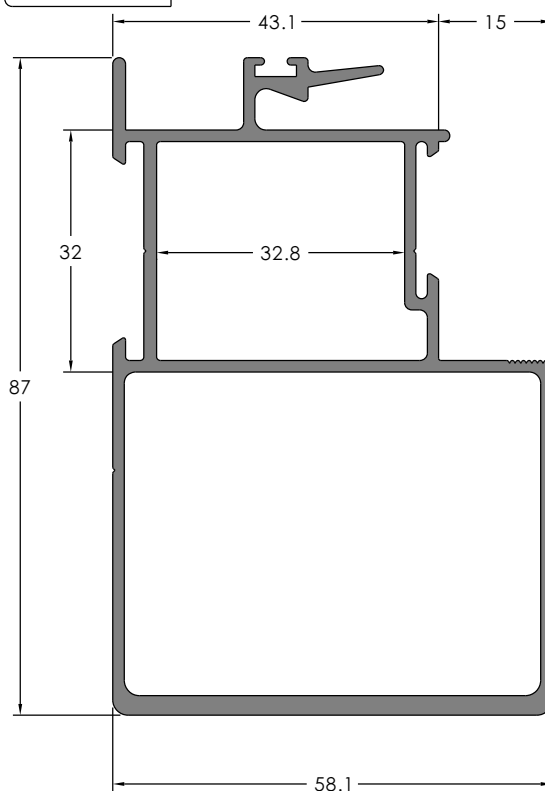
MAC-0751 1,180 Kg/m

LG-162



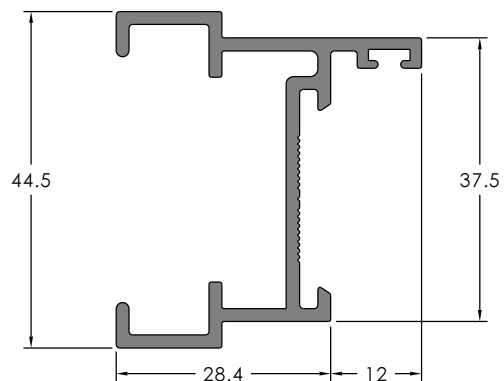
MAC-0394 1,667 Kg/m

LG-052



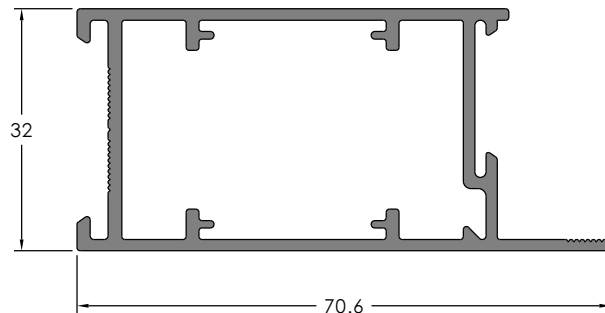
MAC-0216 0,664 Kg/m

LG-056



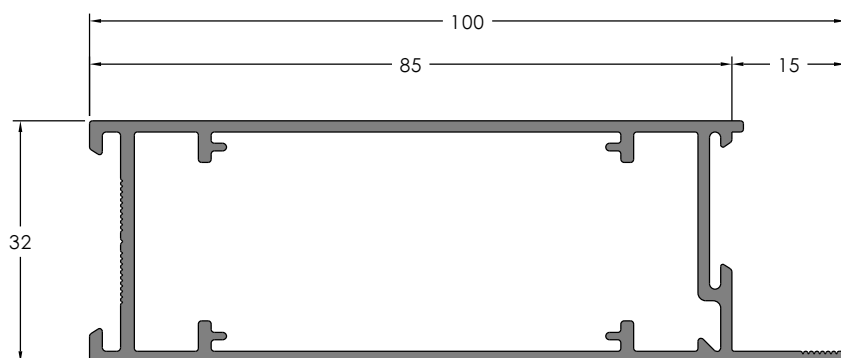
MAC-0197 0,798 Kg/m

LG-043



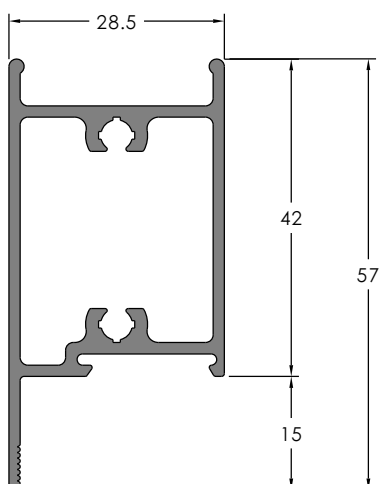
MAC-0396 1,168 Kg/m

LG-042



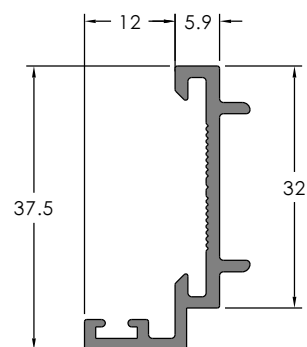
MAC-0388 0,729 Kg/m

LG-058

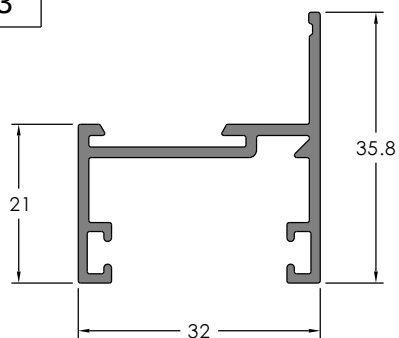


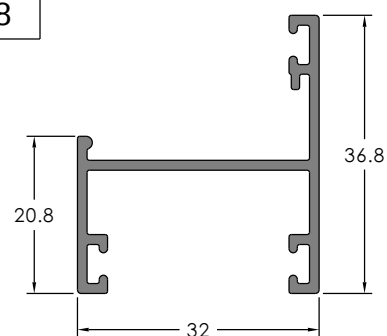
MAC-0217 0,338 Kg/m

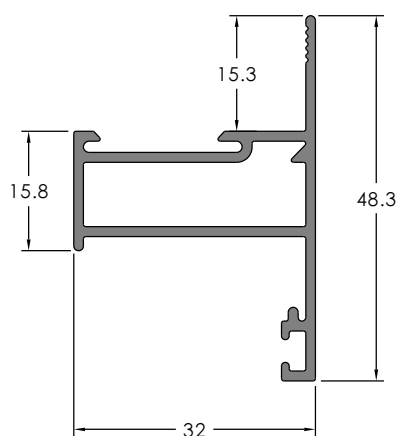
LG-016

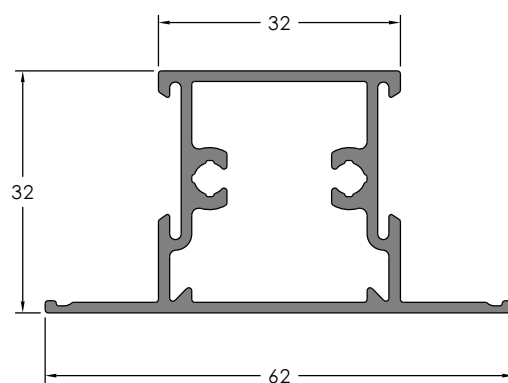


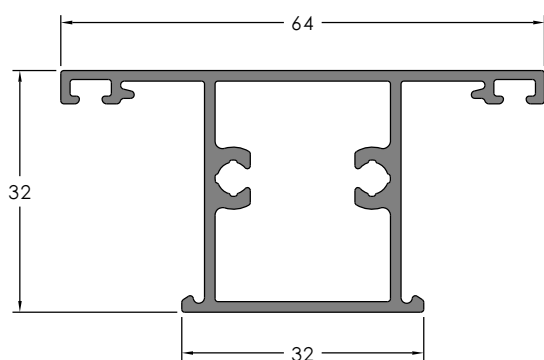
MAC-0504 0,411 Kg/m

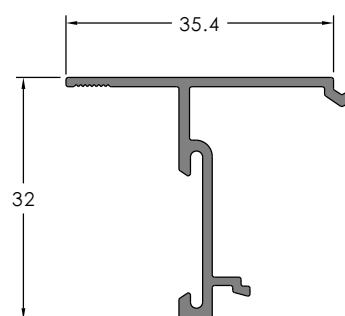
LG-083

MAC-0563 0,389 Kg/m

LG-068

MAC-0560 0,497 Kg/m

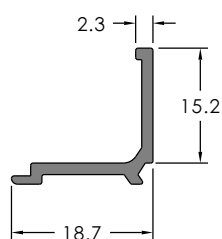
LG-085

MAC-0749 0,772 Kg/m

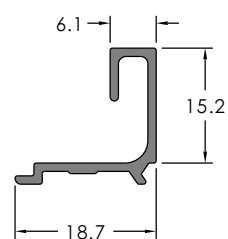
LG-079

MAC-0747 0,764 Kg/m

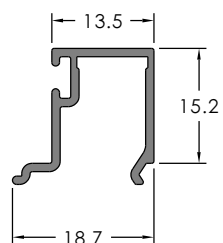
LG-074

MAC-0748 0,300 Kg/m

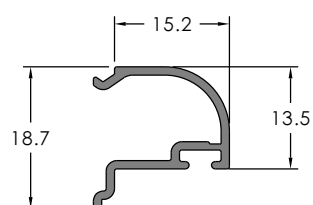
LG-077


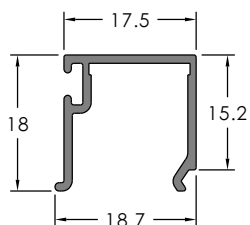
MAC-0219 0,147 Kg/m

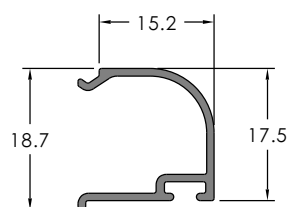
LG-015

MAC-0215 0,149 Kg/m

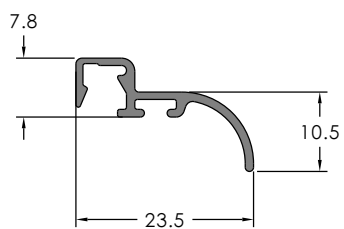
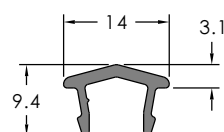
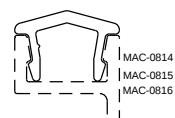
LG-027

MAC-0290 0,167 Kg/m

BG-057

MAC-0218 0,158 Kg/m

LG-026

MAC-0567 0,168 Kg/m

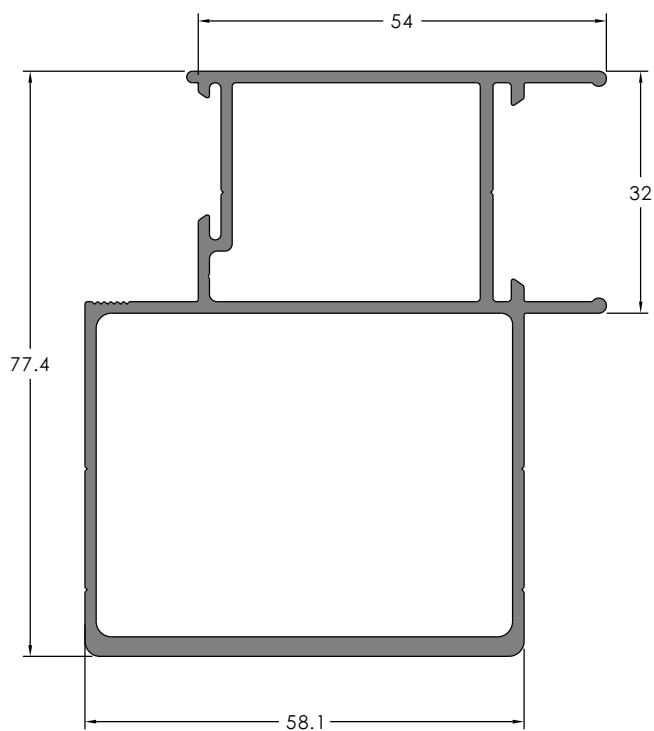
LG-059

MAC-0752 0,149 Kg/m

LG-164

MAC-0750 0,130 Kg/m

LG-091

MAC-0813 0,100 Kg/m

Aplicação


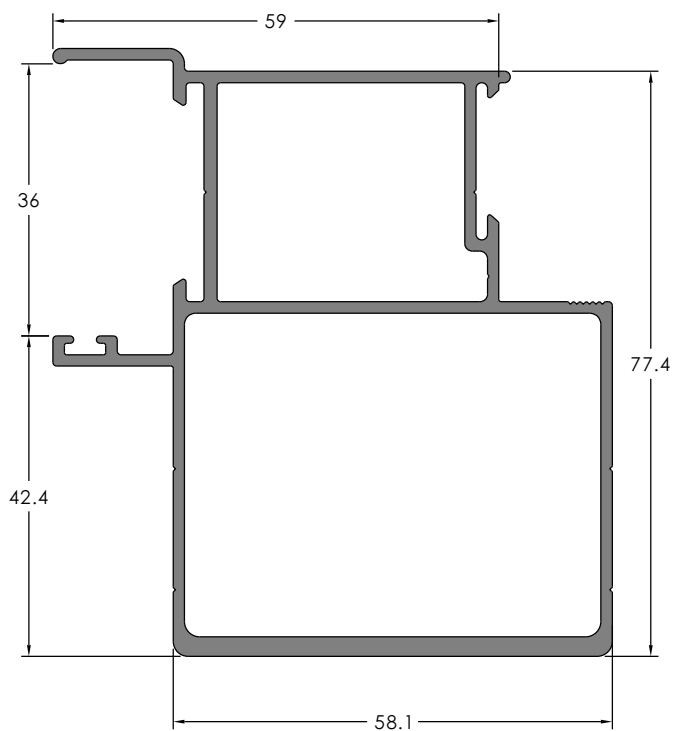
MAC-0897 1,576 Kg/m

LG-054



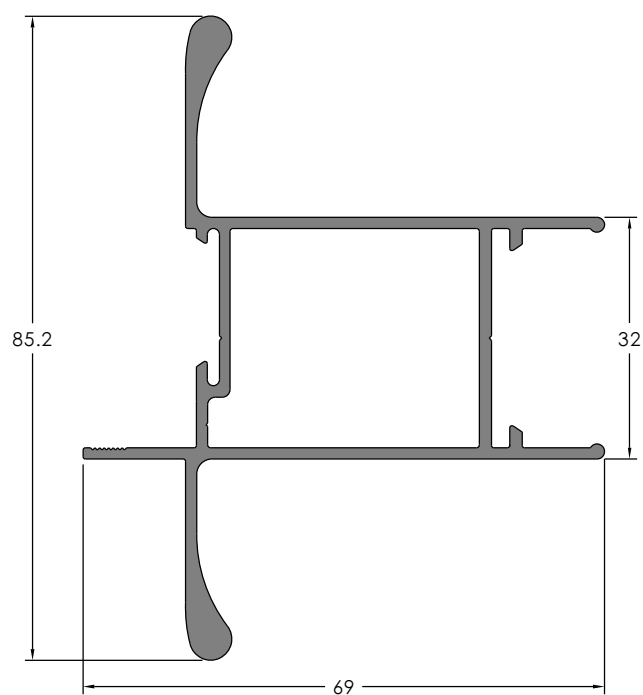
MAC-0896 1,650 Kg/m

LG-053

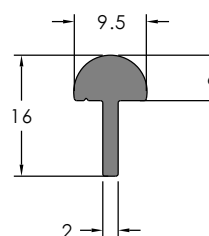


MAC-0774 1,183 Kg/m

LG-201

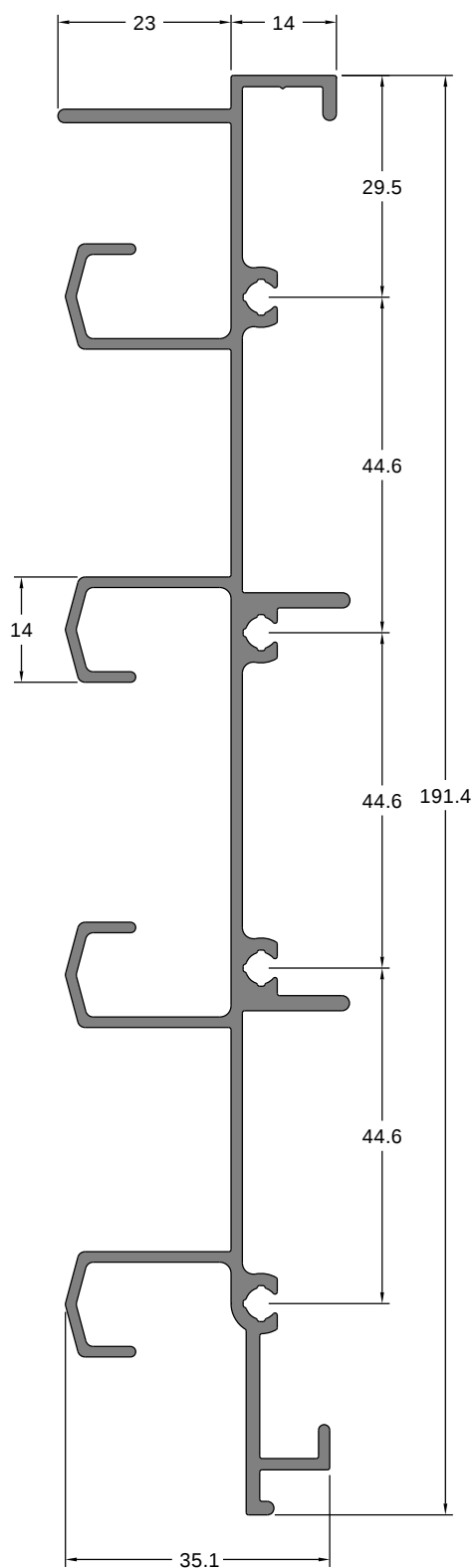


MAC-0775 0,184 Kg/m



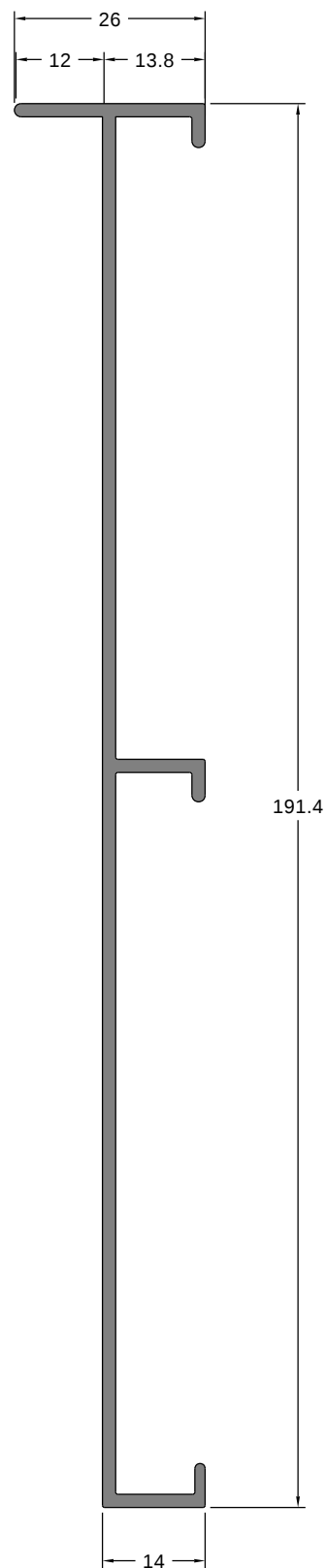
MAC-0969 2,014 Kg/m *

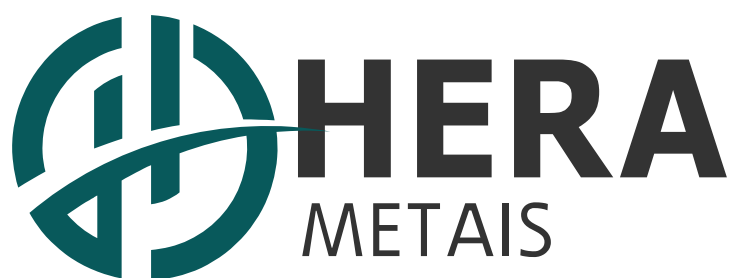
LG-071



MAC-0970 1,223 Kg/m *

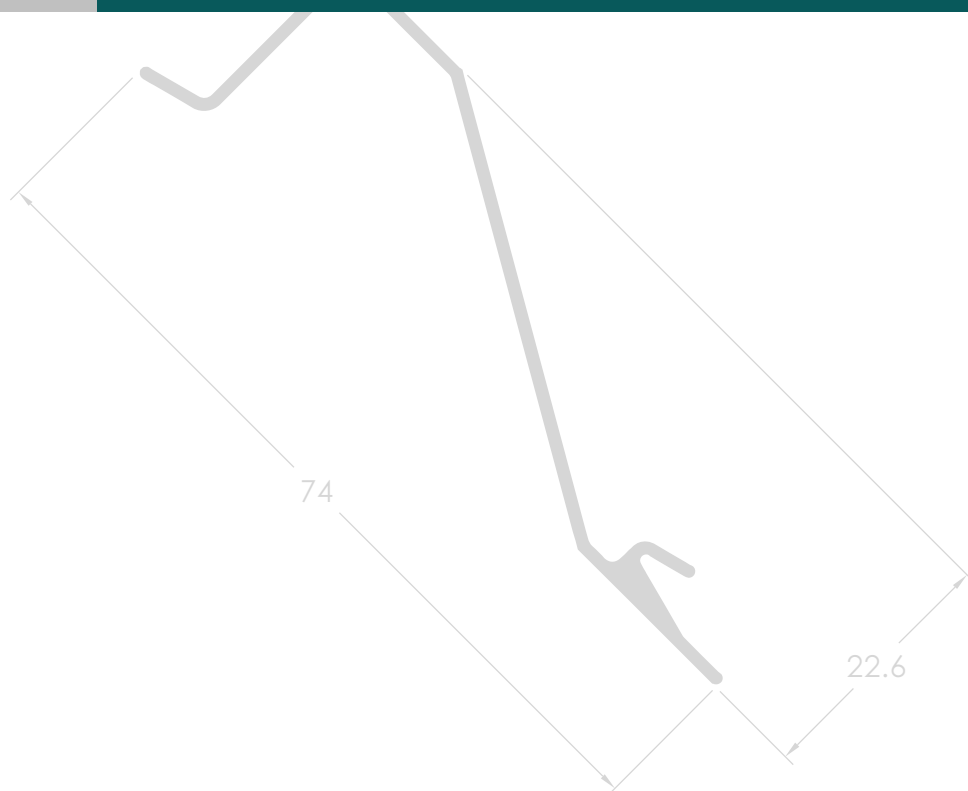
LG-072





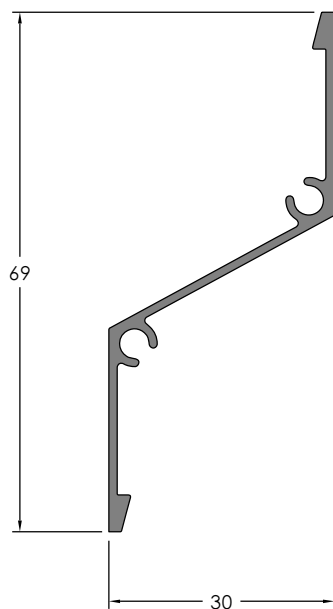
16

VENEZIANAS

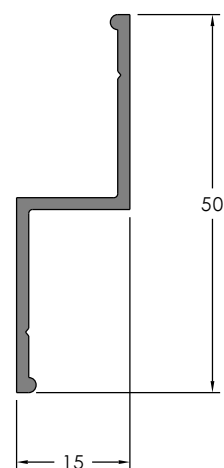


MAC-0196 0,373 Kg/m

VZ-060

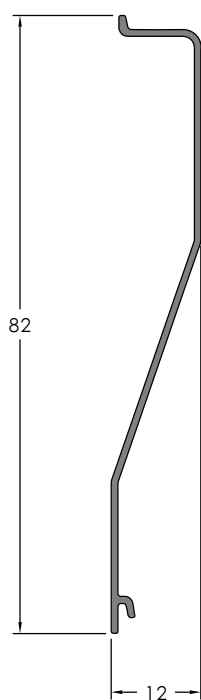


MAC-0667 0,282 Kg/m



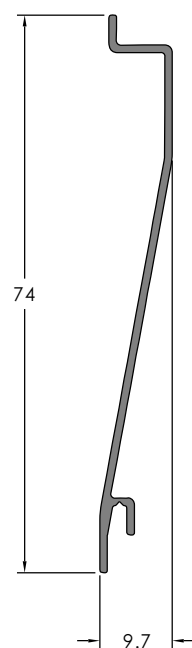
MAC-0282 0,261 Kg/m

72214

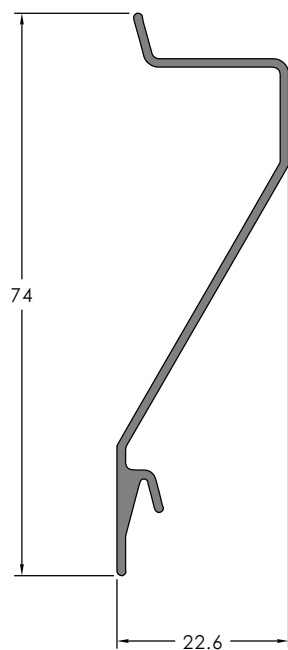
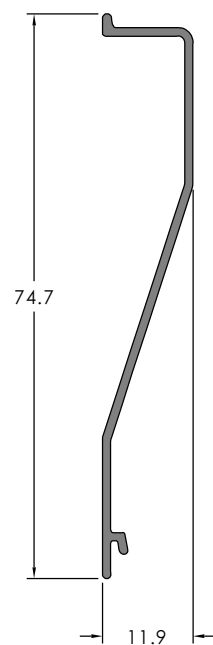
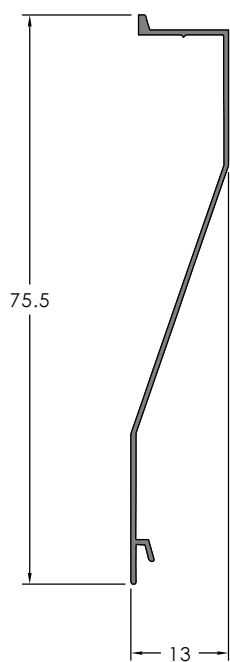


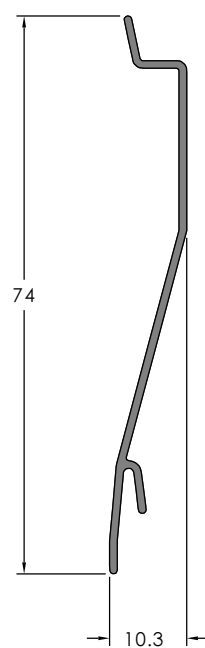
MAC-0283 0,267 Kg/m

VZ-024

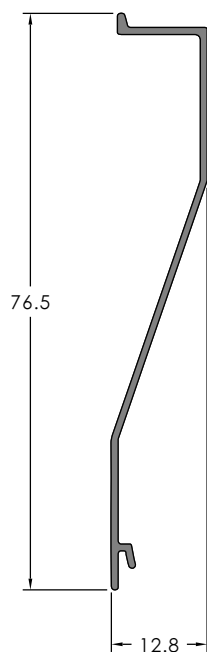


MAC-0284 0,306 Kg/m

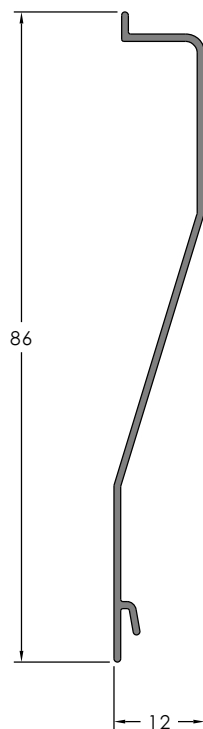
VZ-006

MAC-0285 0,245 Kg/m

MAC-0287 0,254 Kg/m

MAC-0288 0,262 Kg/m

VZ-051


MAC-0300 0,254 Kg/m

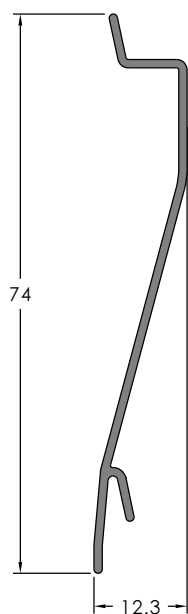


MAC-0449 0,257 Kg/m

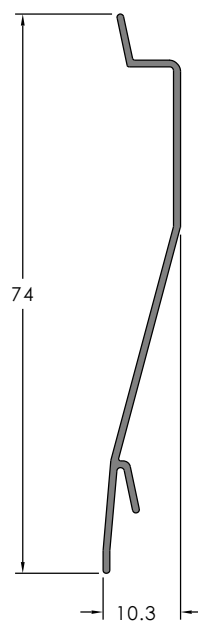


MAC-0580 0,270 Kg/m

VZ-051

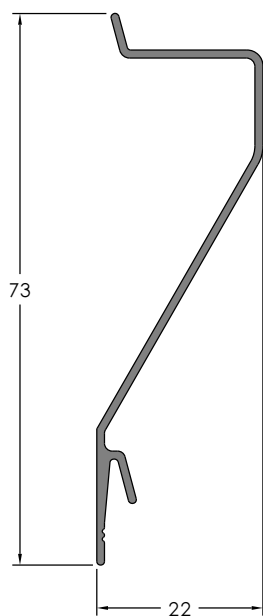


MAC-0650 0,215 Kg/m



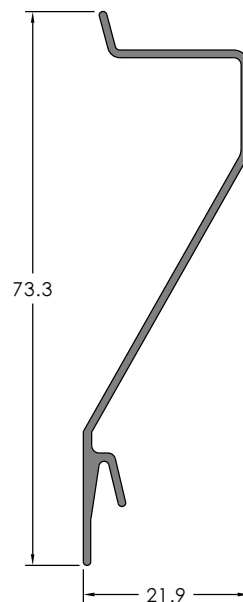
MAC-0629 0,304 Kg/m

VZ-006



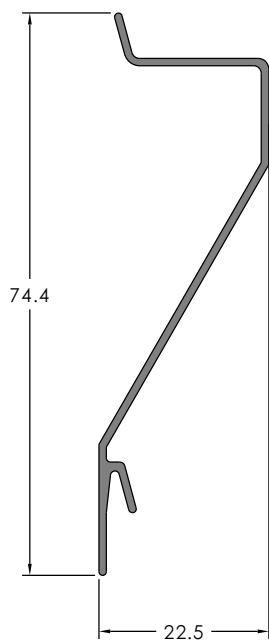
MAC-0651 0,297 Kg/m

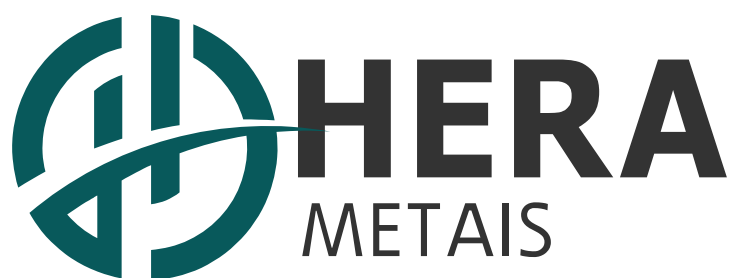
VZ-006



MAC-0761 0,291 Kg/m

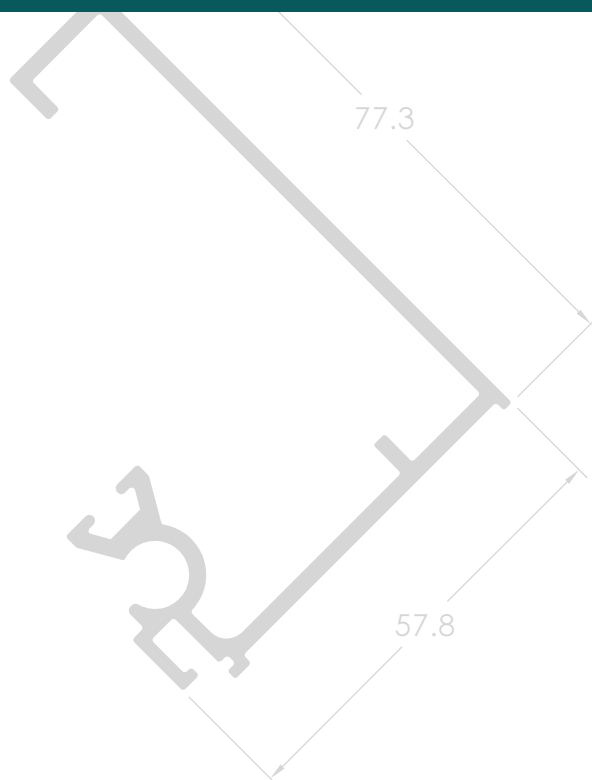
VZ-006





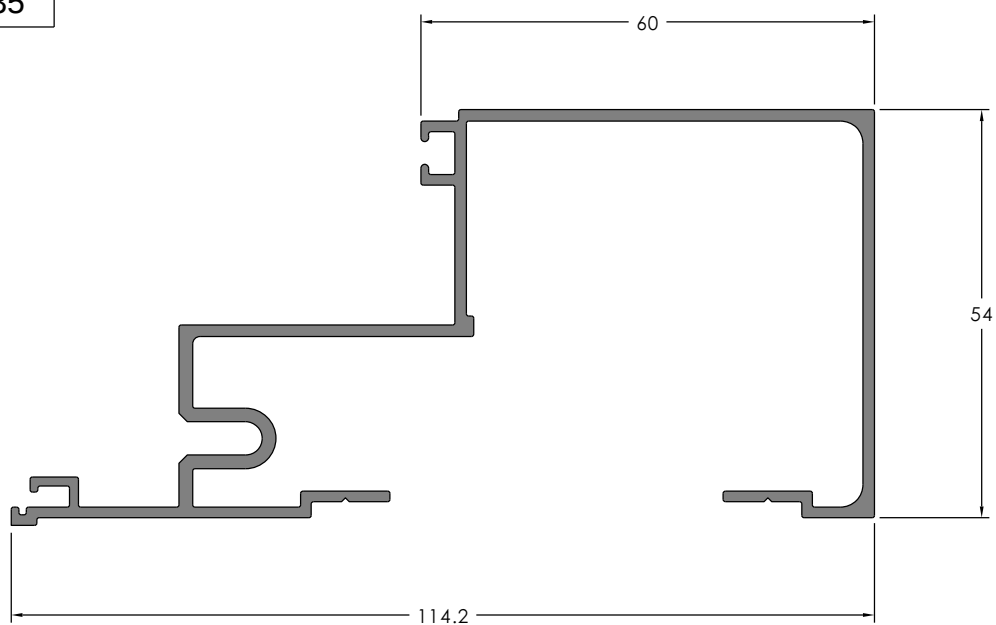
17

FACHADA ATL



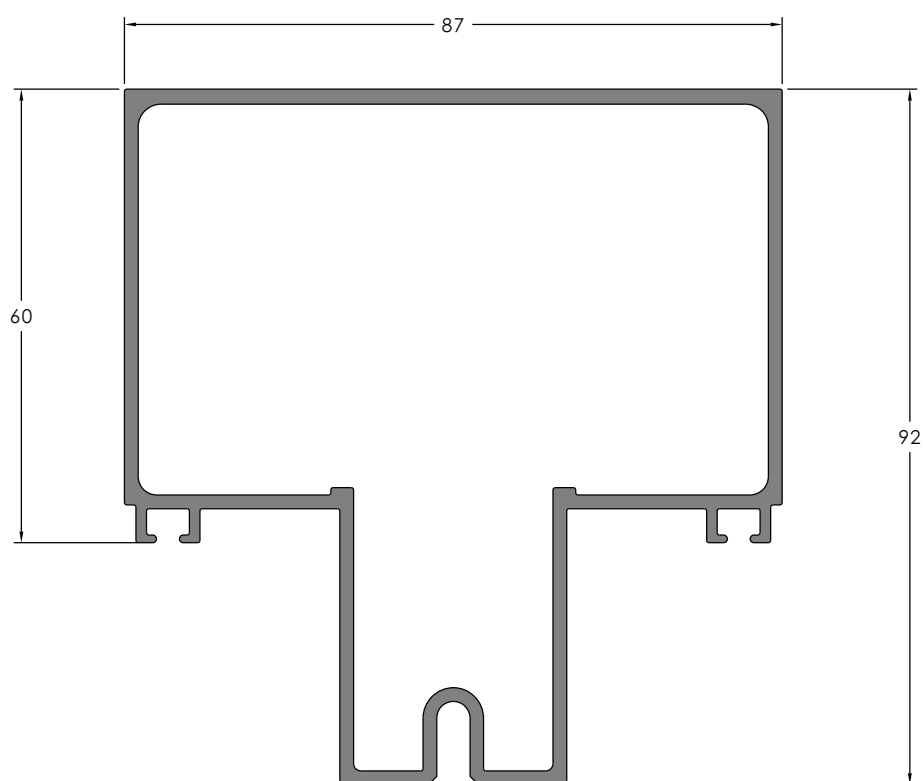
MAC-0228 1,249 Kg/m

FA-235



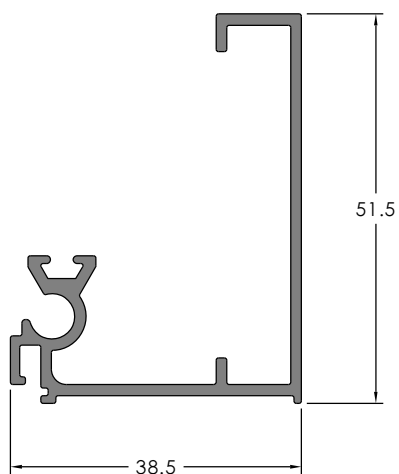
MAC-0236 1,956 Kg/m

FA-200



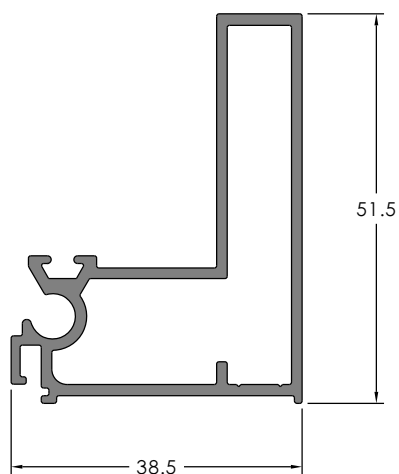
MAC-0237 0,571 Kg/m

FA-228



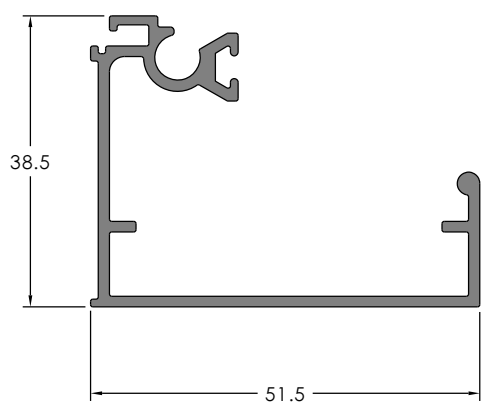
MAC-0457 0,744 Kg/m

FA-245



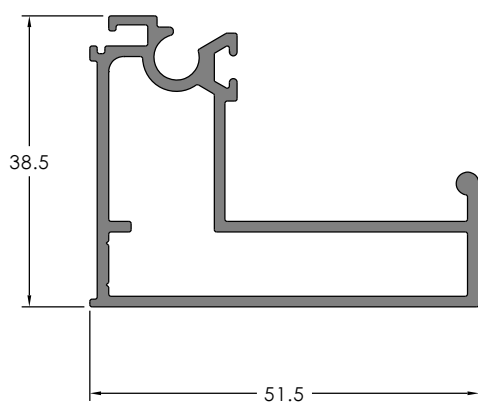
MAC-0238 0,606 Kg/m

FA-232



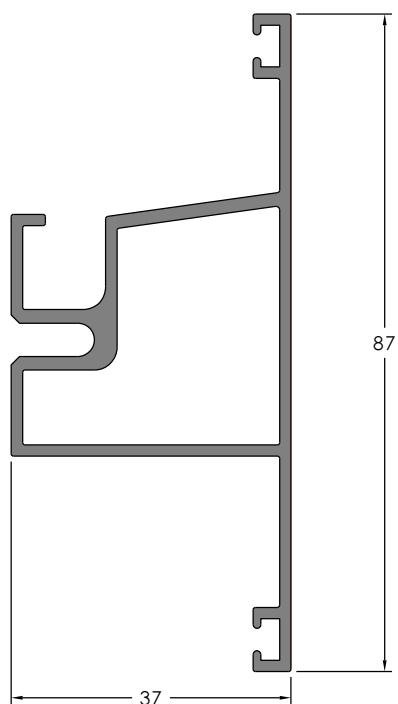
MAC-0455 0,780 Kg/m

FA-230



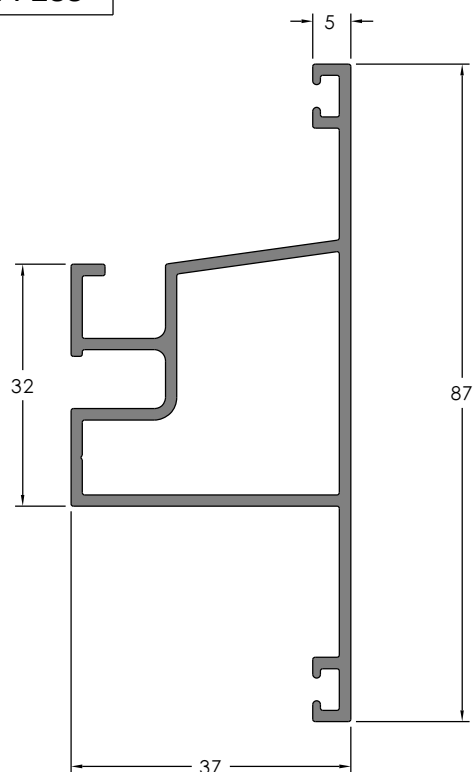
MAC-0239 0,995 Kg/m

FA-211



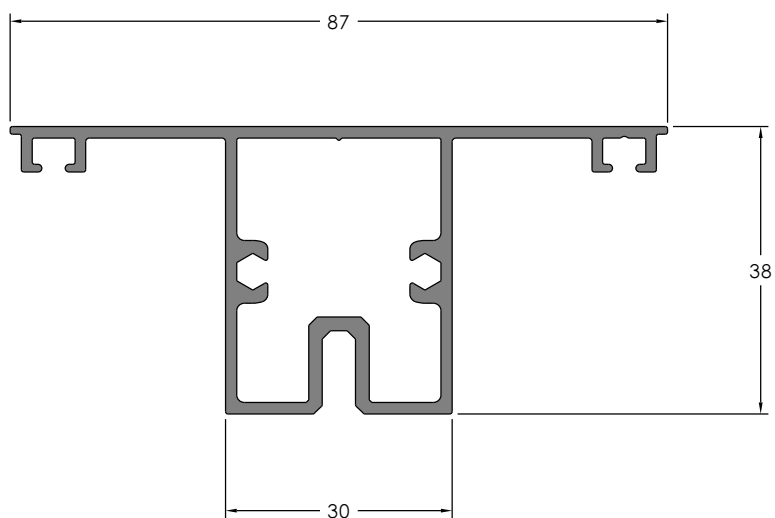
MAC-0892 0,936 Kg/m

FA-233



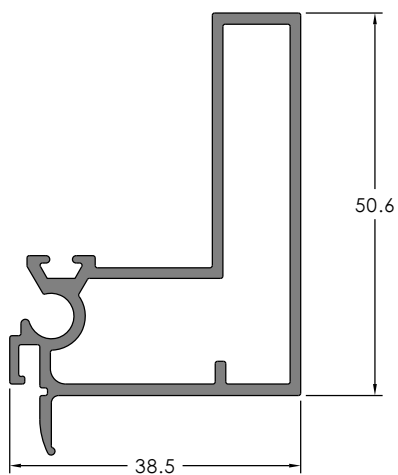
MAC-0456 1,046 Kg/m

FA-204



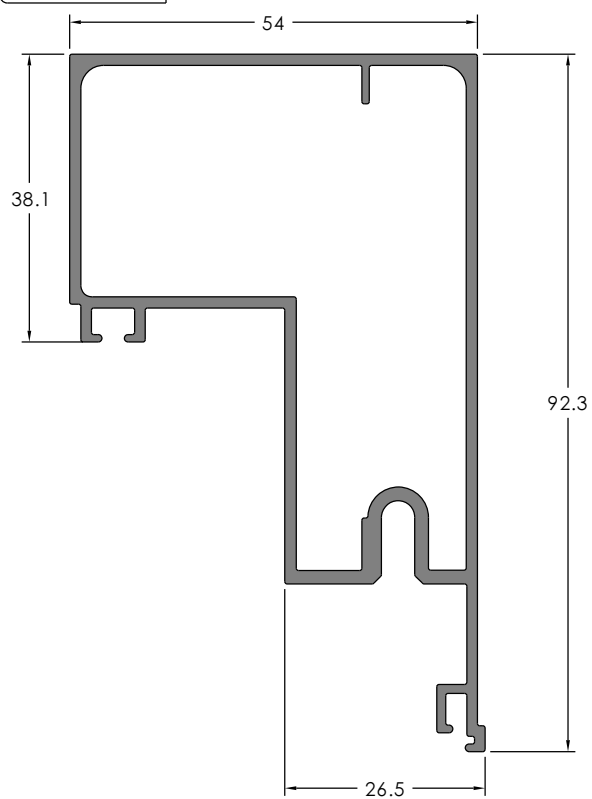
MAC-0673 0,766 Kg/m

FA-255



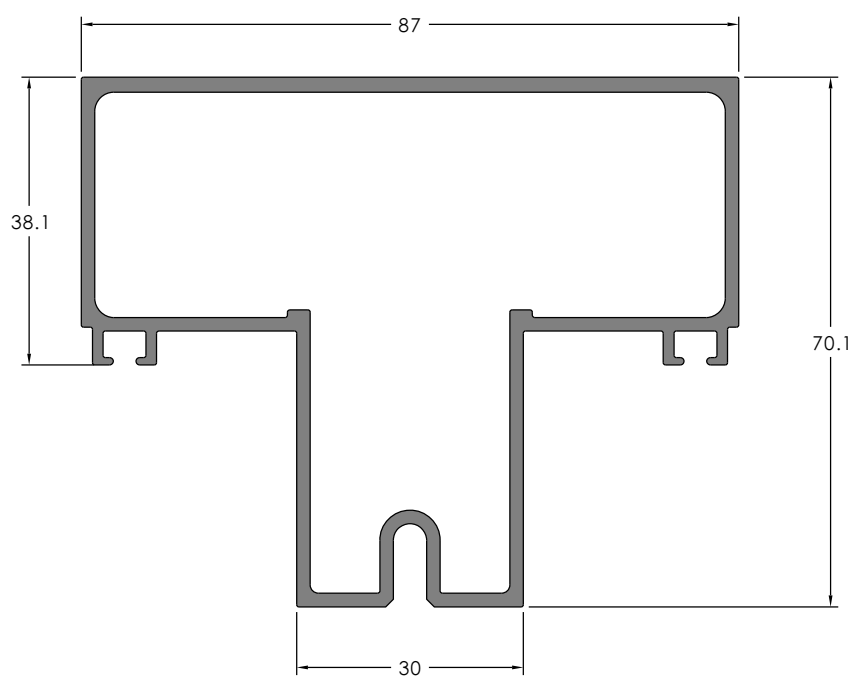
MAC-0675 1,292 Kg/m

FA-347



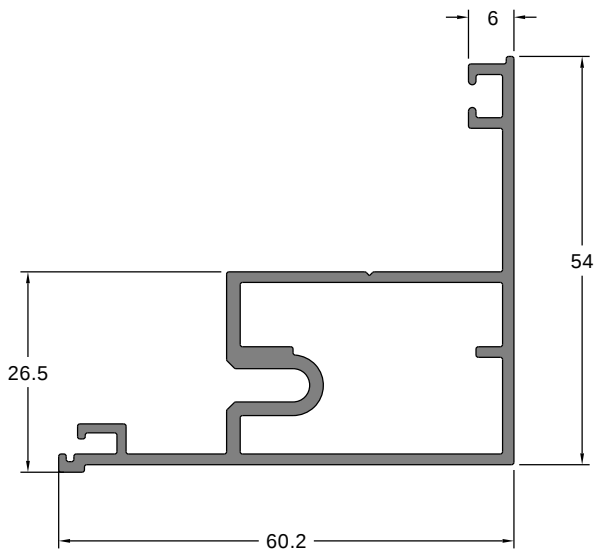
MAC-0674 1,744 Kg/m

FA-400



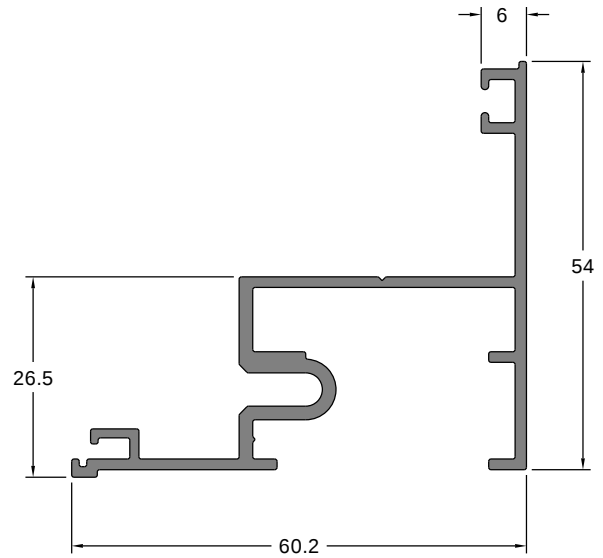
MAC-0884 0,894 Kg/m

FA-516



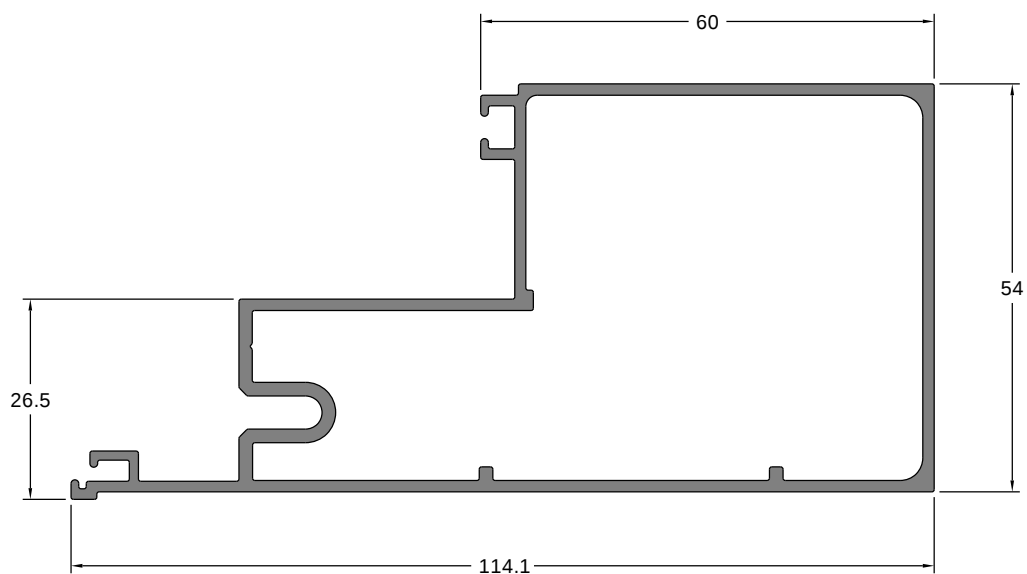
MAC-0955 0,810 Kg/m

FA-294



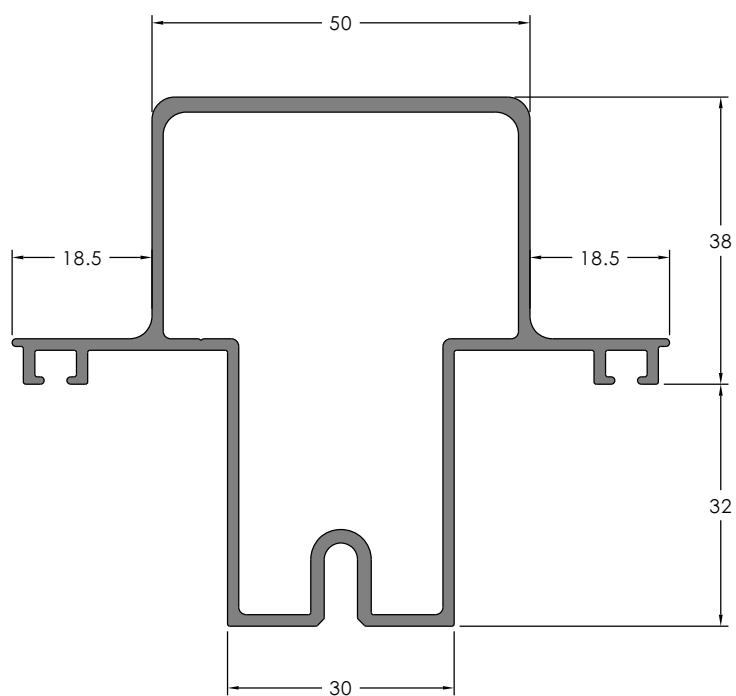
MAC-0876 1,466 Kg/m

FA-515



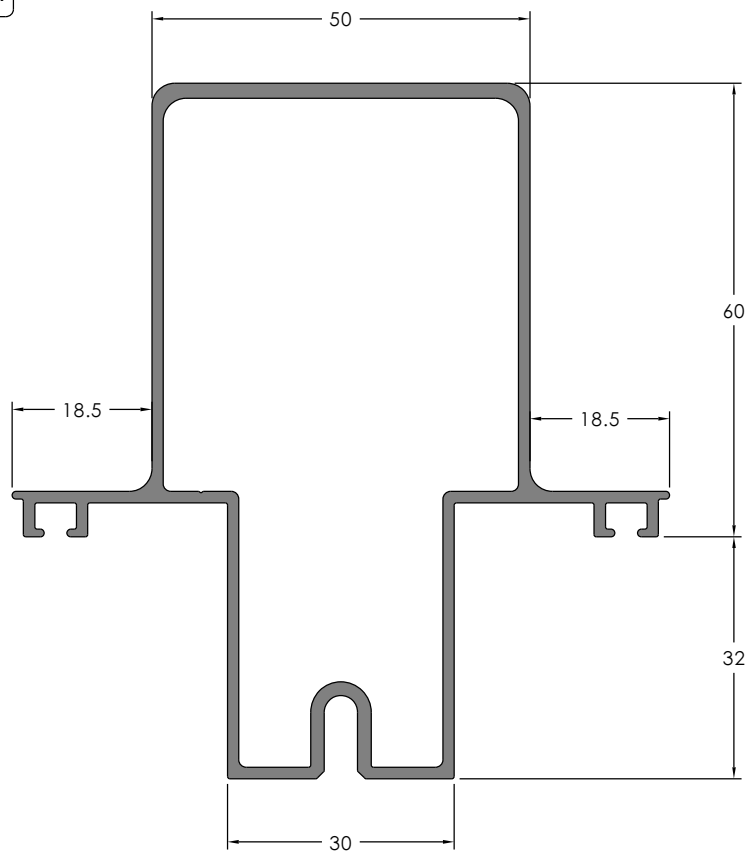
MAC-0893 1,357 Kg/m

FA-242



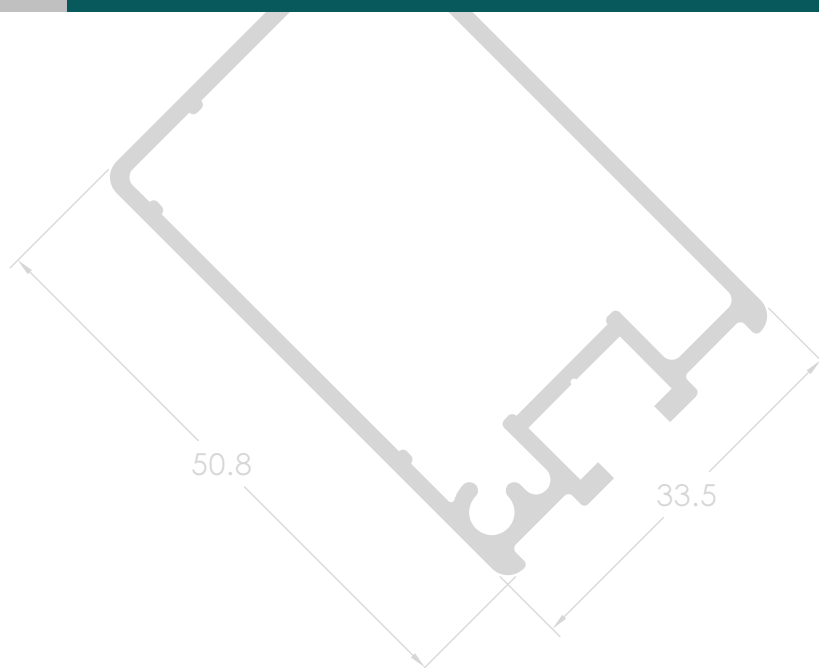
MAC-0894 1,535 Kg/m

FA-262



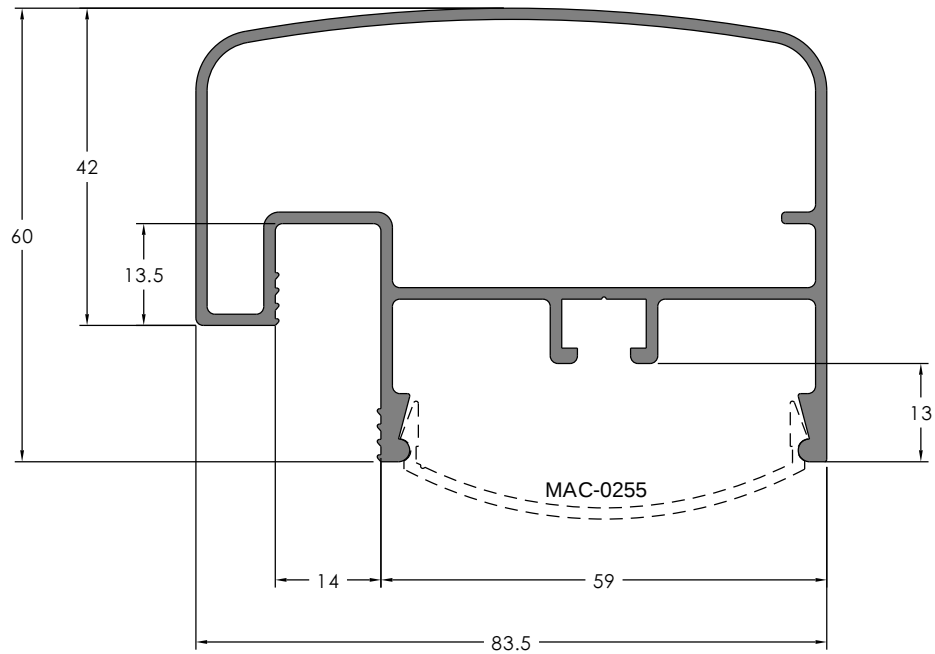
18

GRADIL



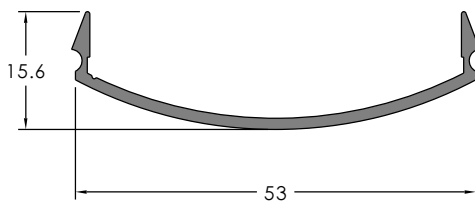
MAC-0257 1,185 Kg/m

CG-083



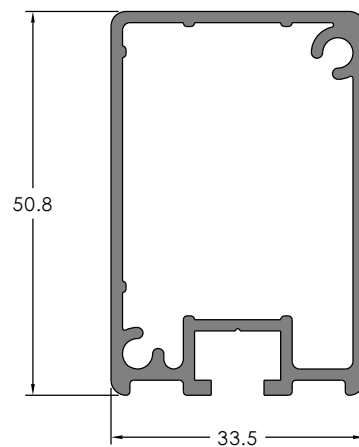
MAC-0255 0,228 Kg/m

CG-074



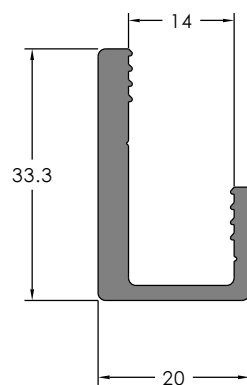
MAC-0256 0,678 Kg/m

CG-077



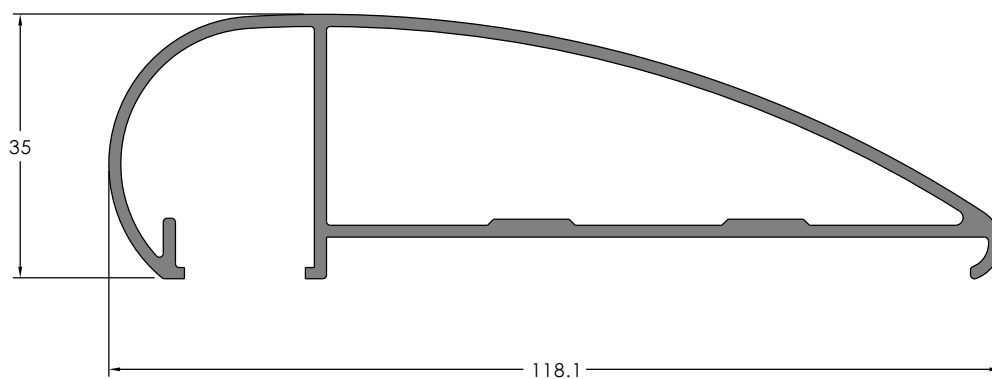
MAC-0229 0,483 Kg/m

CG-075



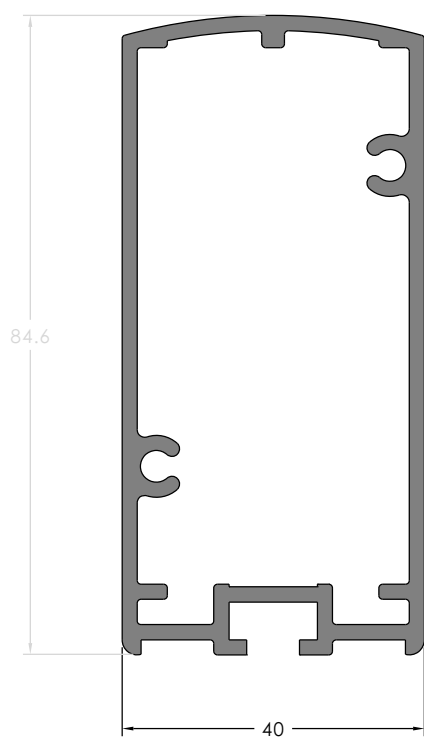
MAC-0224 1,161 Kg/m

CG-178



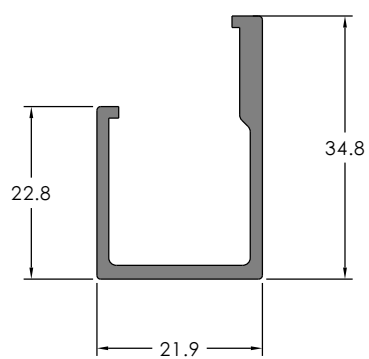
MAC-0225 1,568 Kg/m

CG-168



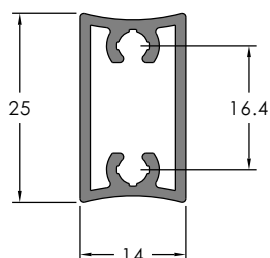
MAC-0226 0,353 Kg/m

CG-171



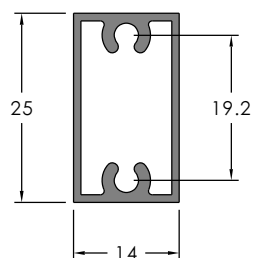
MAC-0371 0,321 Kg/m

STL-181

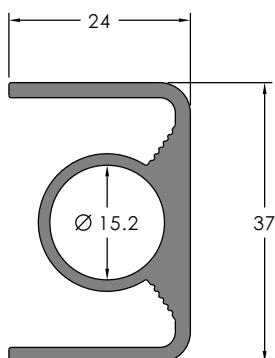


MAC-0383 0,321 Kg/m

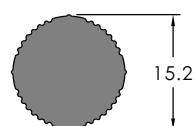
D-056



MAC-0544 0,732 Kg/m

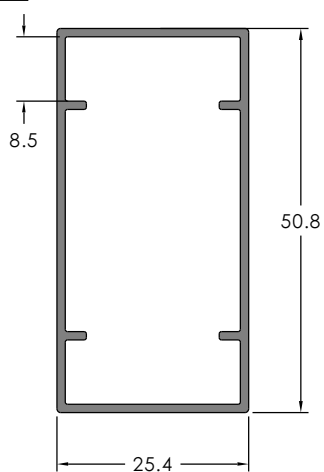


MAC-0545 0,455 Kg/m

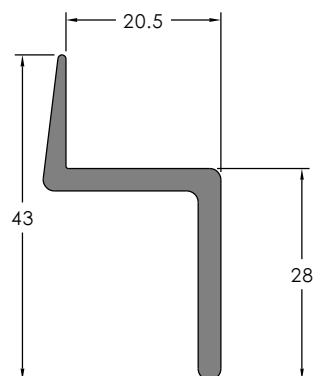


MAC-0395 0,474 Kg/m

PC-002

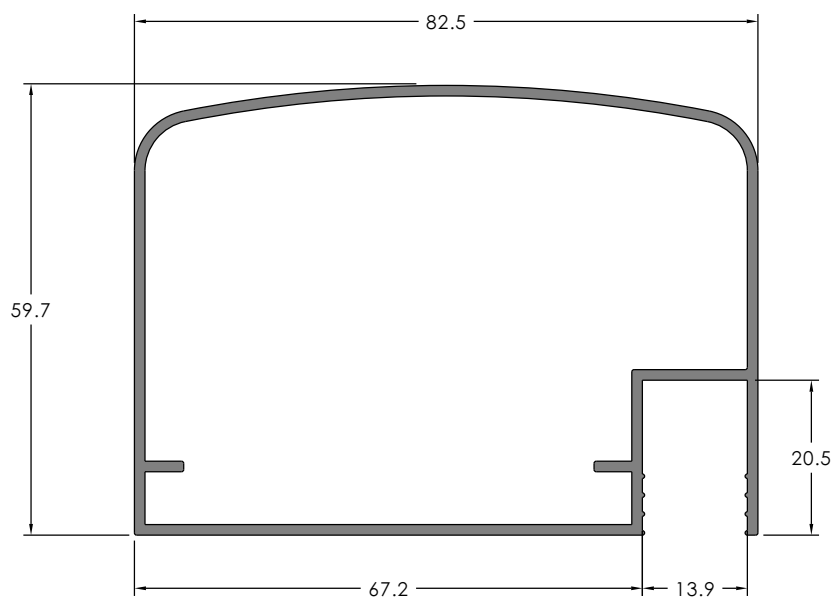


MAC-0558 0,467 Kg/m



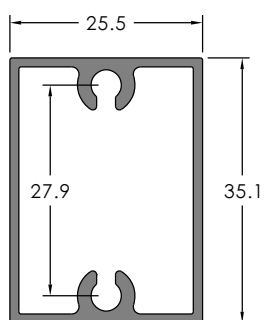
MAC-0386 1,128 Kg/m

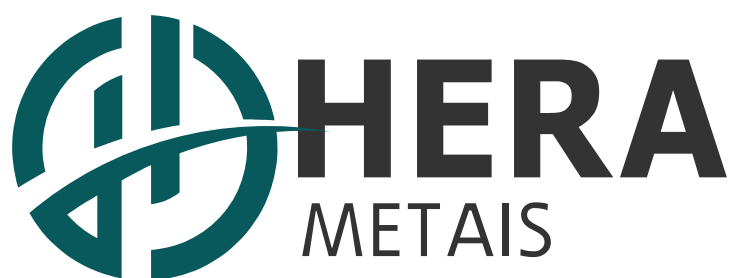
STL-421



MAC-0557 0,504 Kg/m

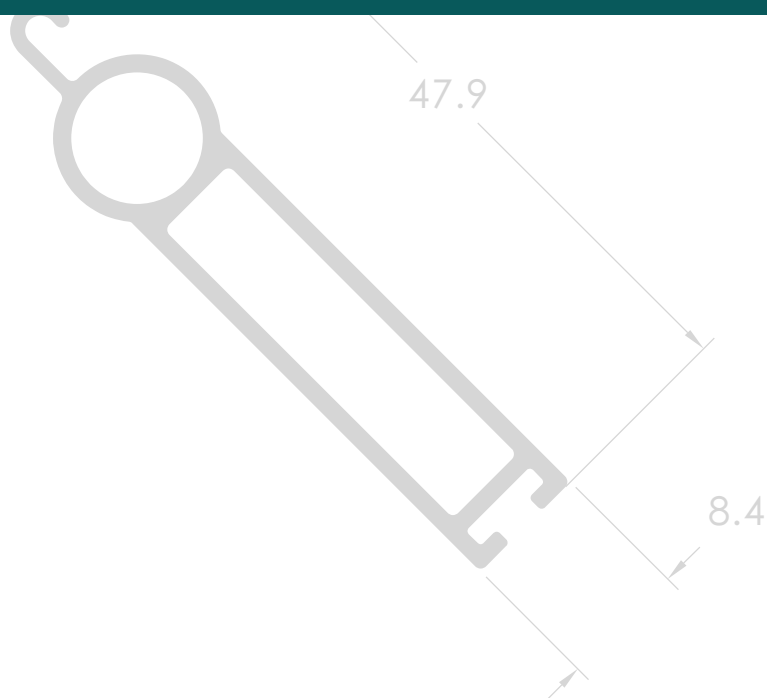
CG-012





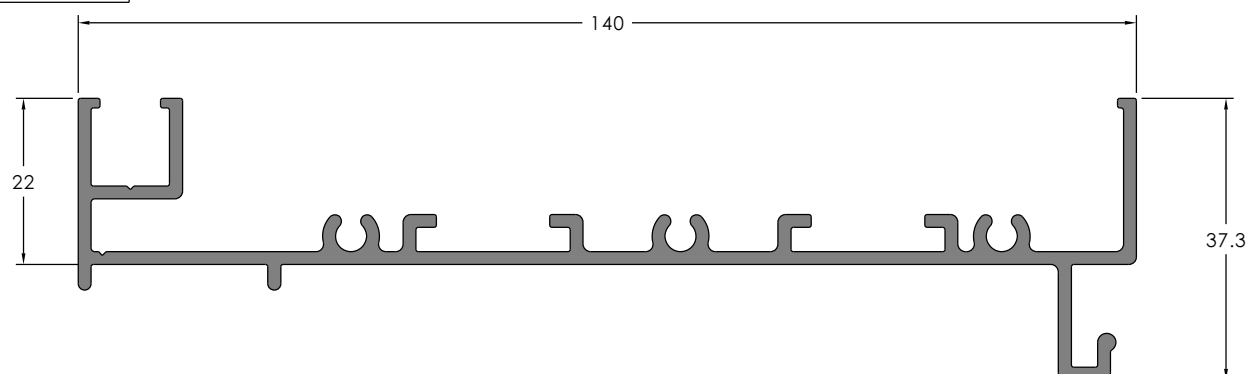
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INTEGRADA



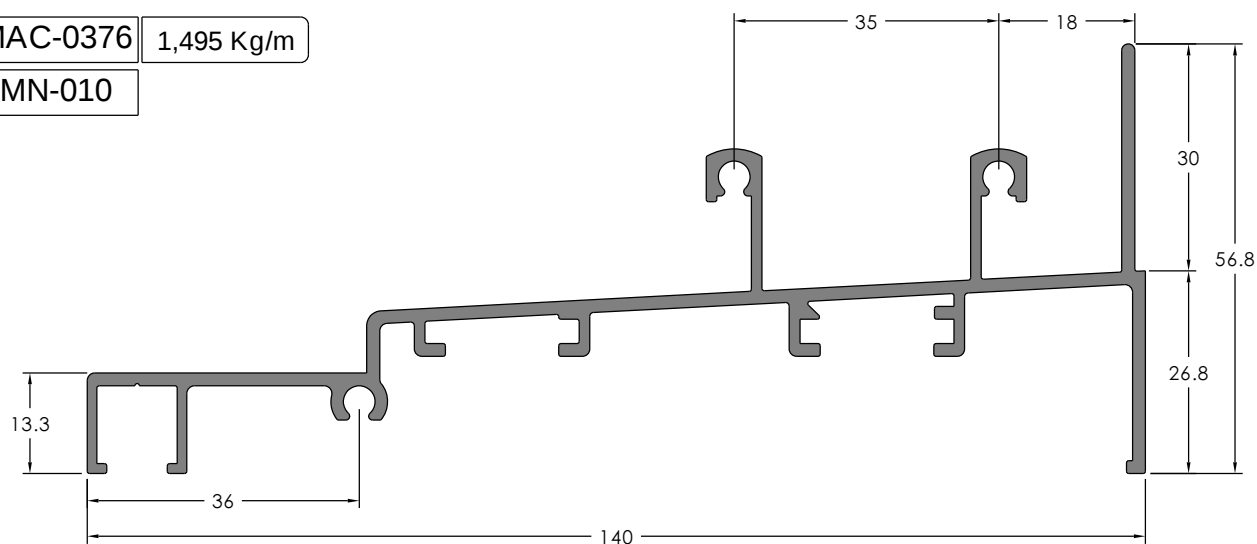
MAC-0542 1,388 Kg/m

MN-001



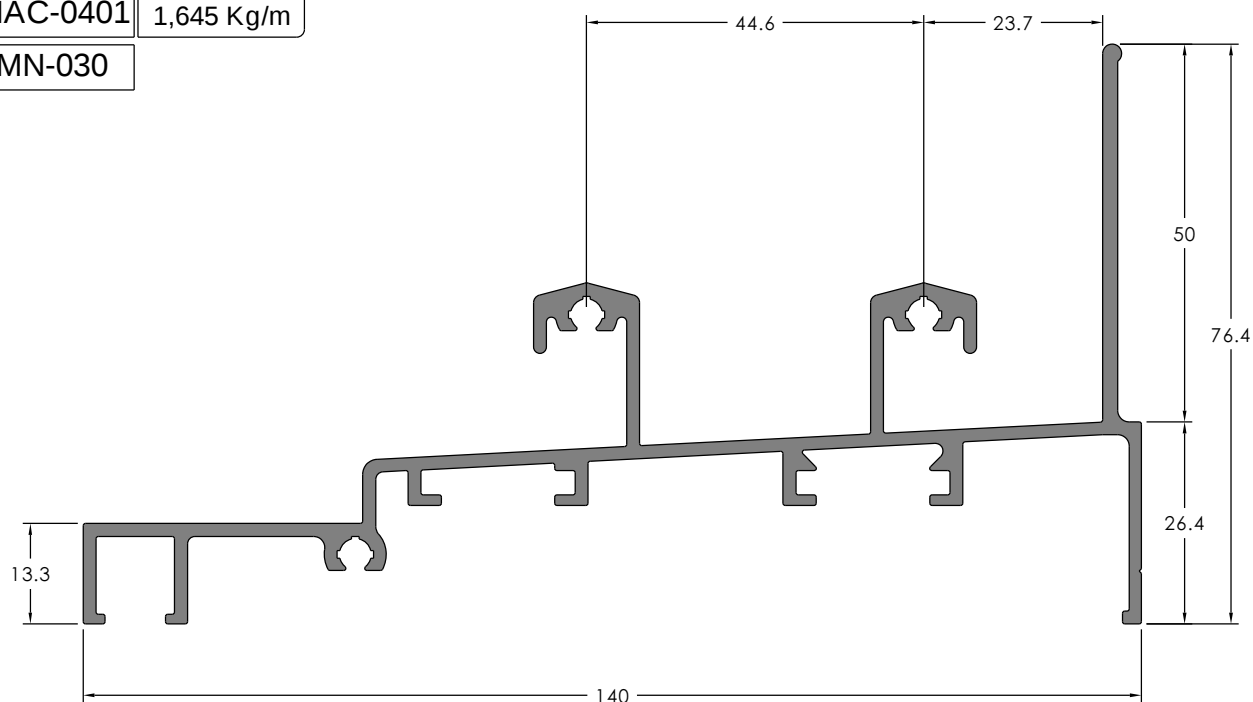
MAC-0376 1,495 Kg/m

MN-010



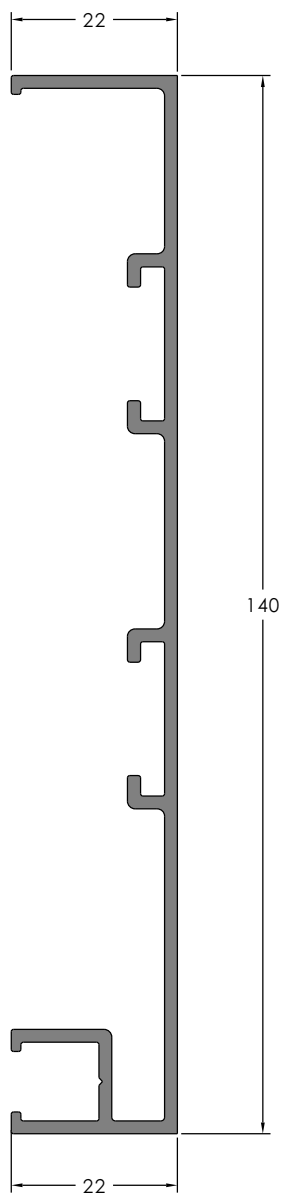
MAC-0401 1,645 Kg/m

MN-030



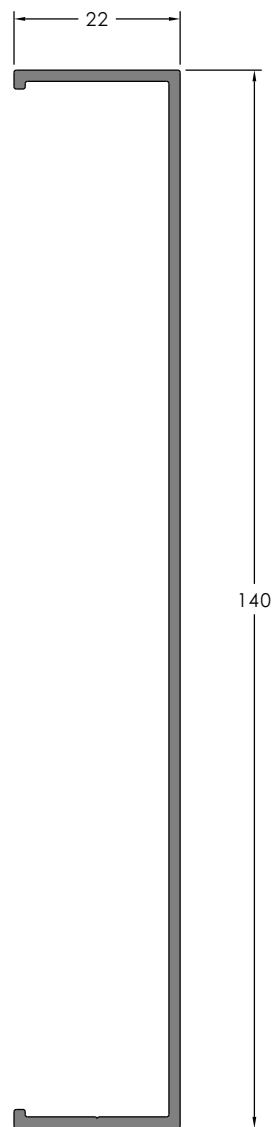
MAC-0541 1,092 Kg/m

MN-003



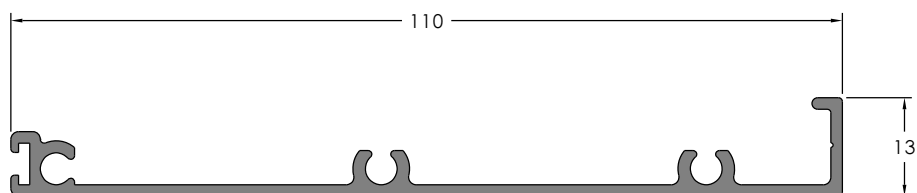
MAC-0843 0,741 Kg/m

MG32-058



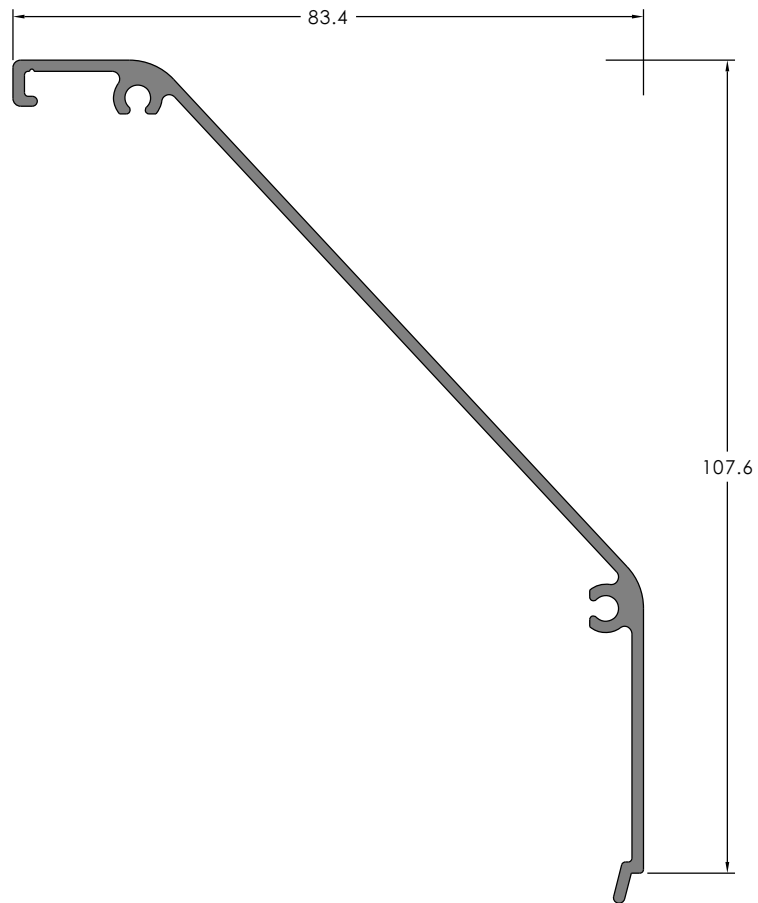
MAC-0398 0,667 Kg/m

MN-002



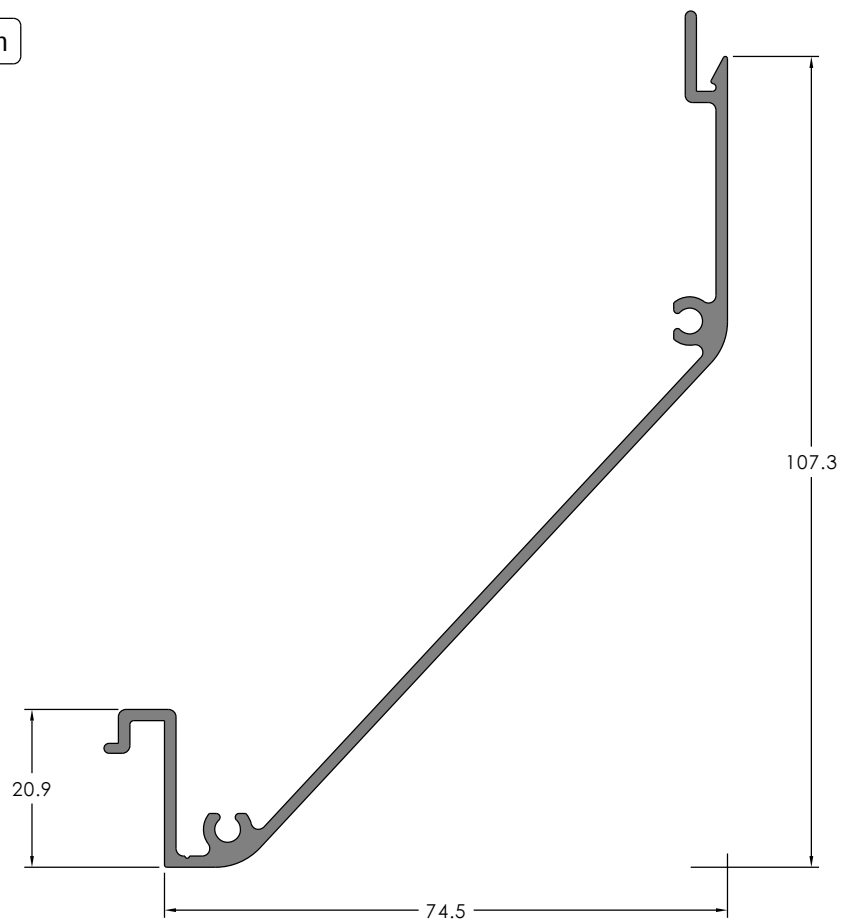
MAC-0372 0,706 Kg/m

MN-005



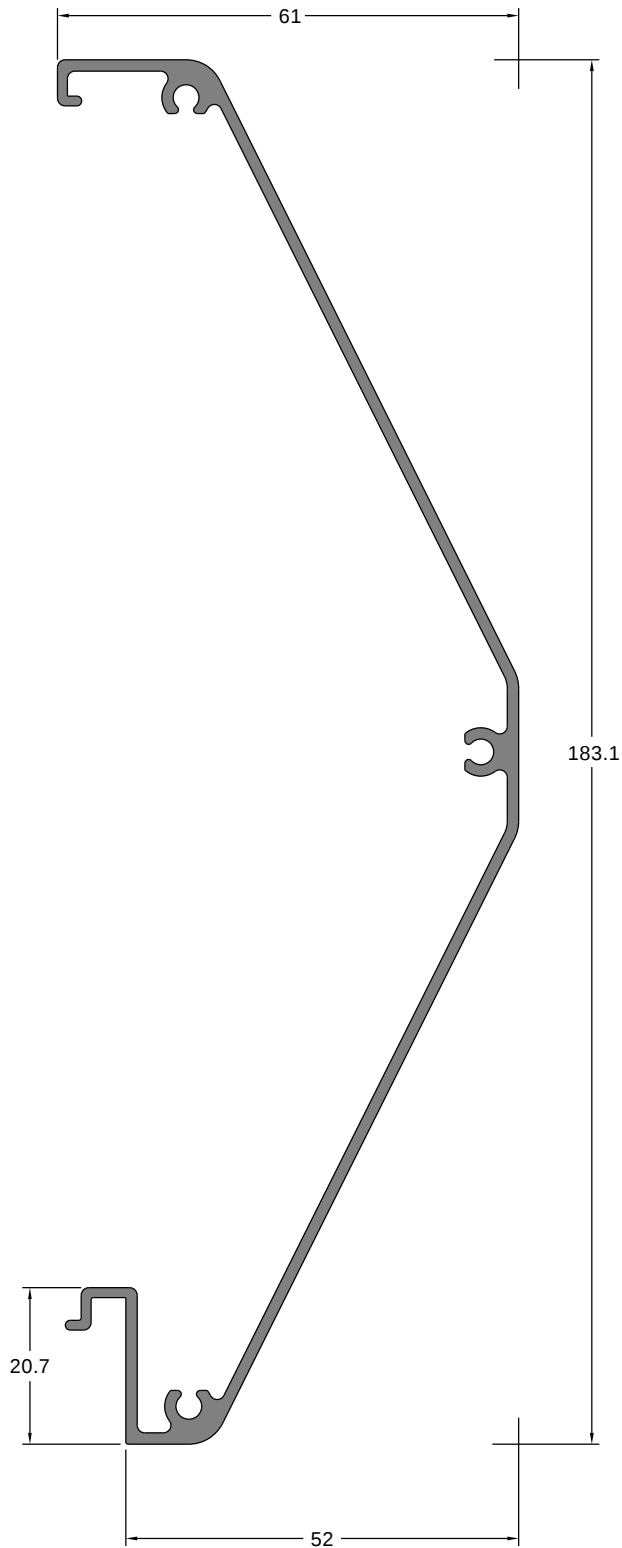
MAC-0373 0,825 Kg/m

MN-006



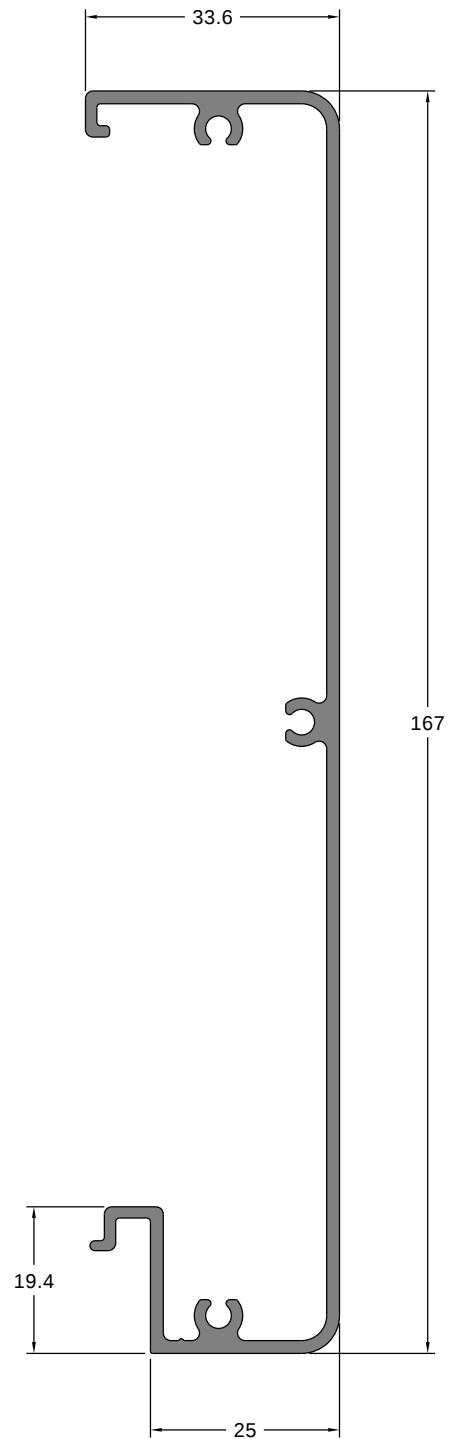
MAC-0375 1,181 Kg/m

MN-008



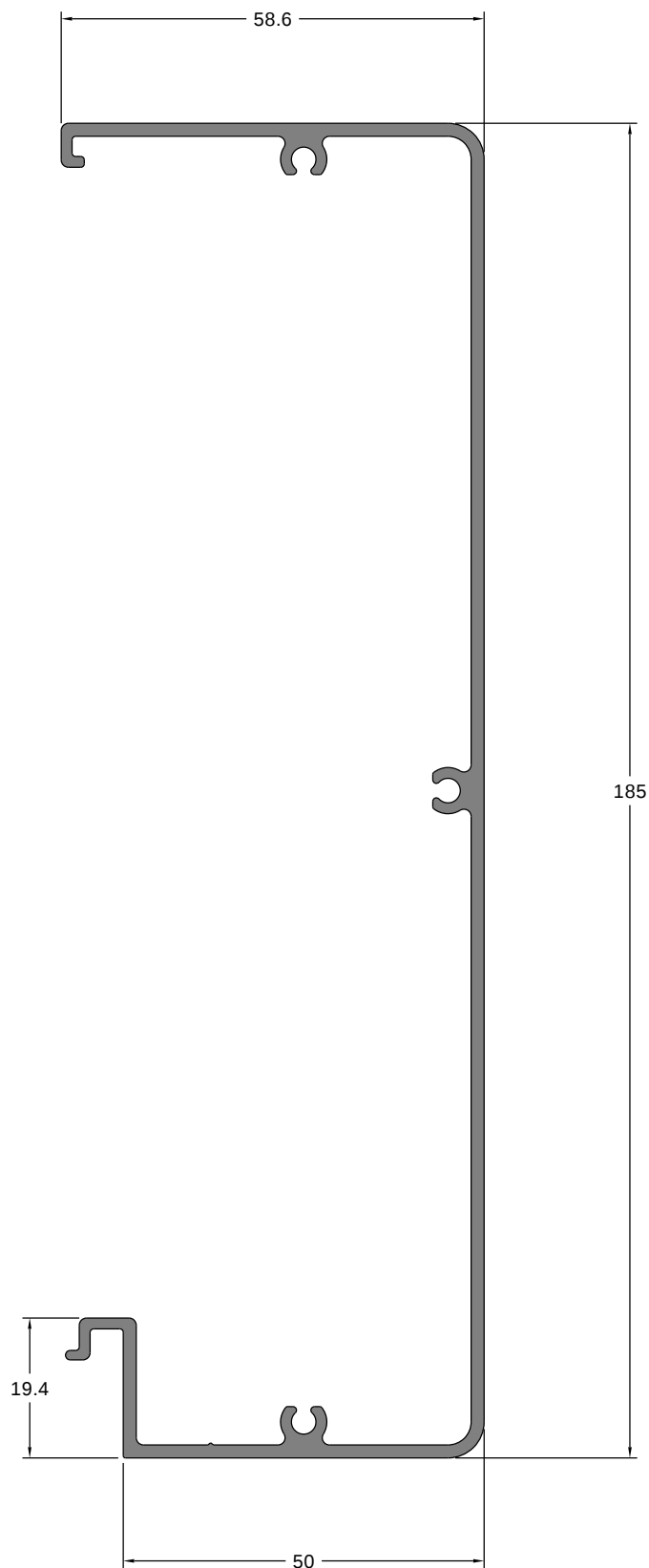
MAC-0967 1,331 Kg/m *

MN-031



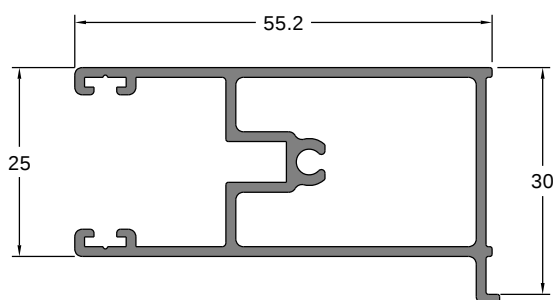
MAC-0968 1,723 Kg/m *

MN-032



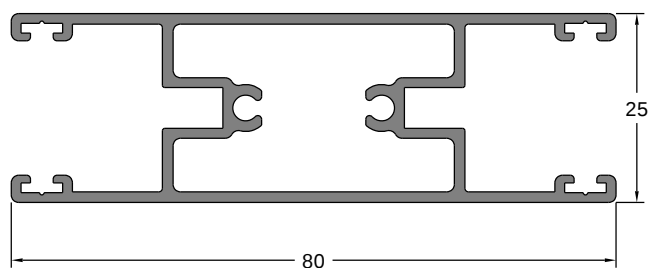
MAC-0374 0,658 Kg/m

MN-007



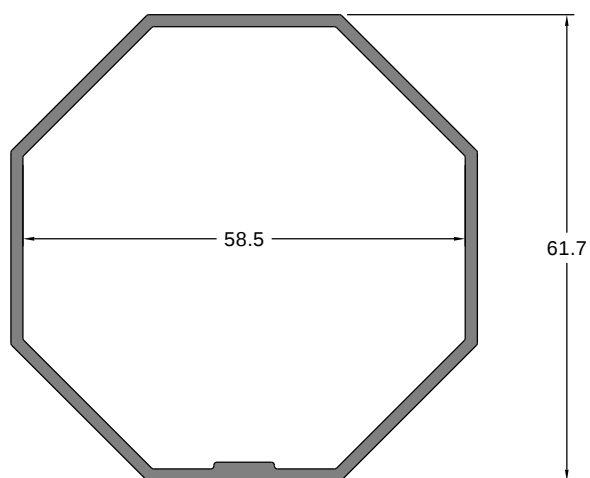
MAC-0400 1,044 Kg/m

MN-027



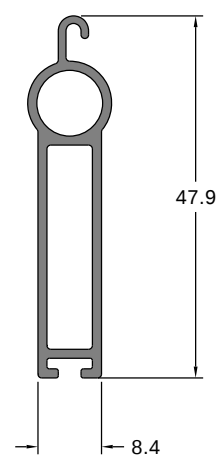
MAC-0377 0,779 Kg/m

MN-015



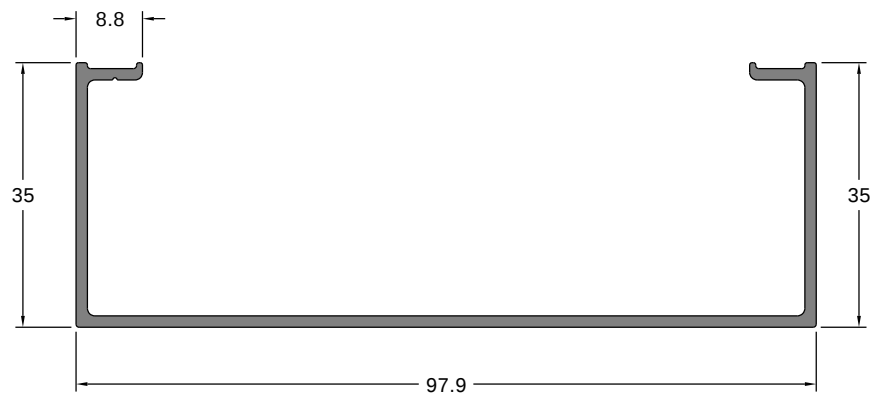
MAC-0381 0,351 Kg/m

MN-055



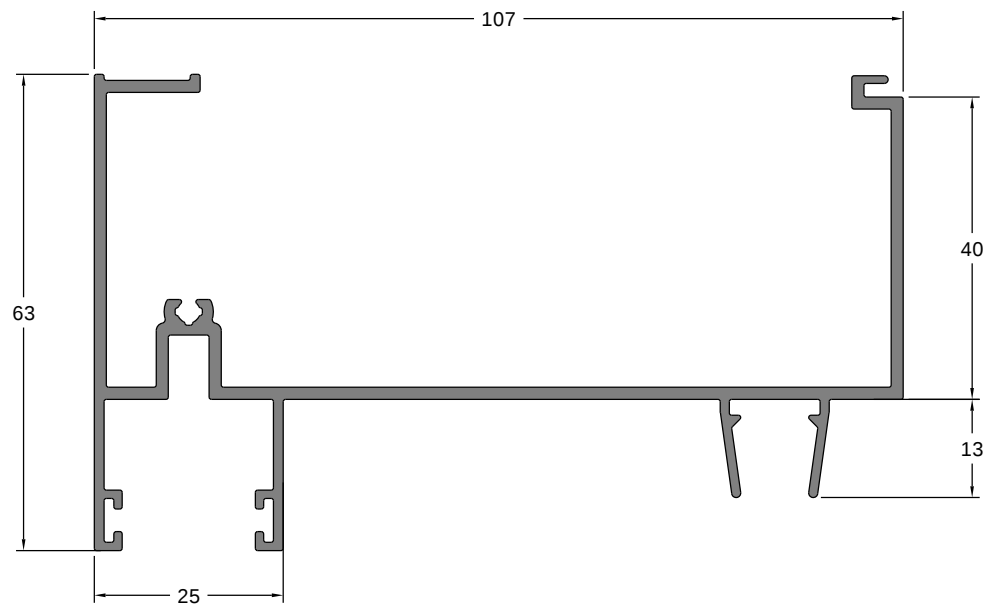
MAC-0380 0,736 Kg/m

MN-050

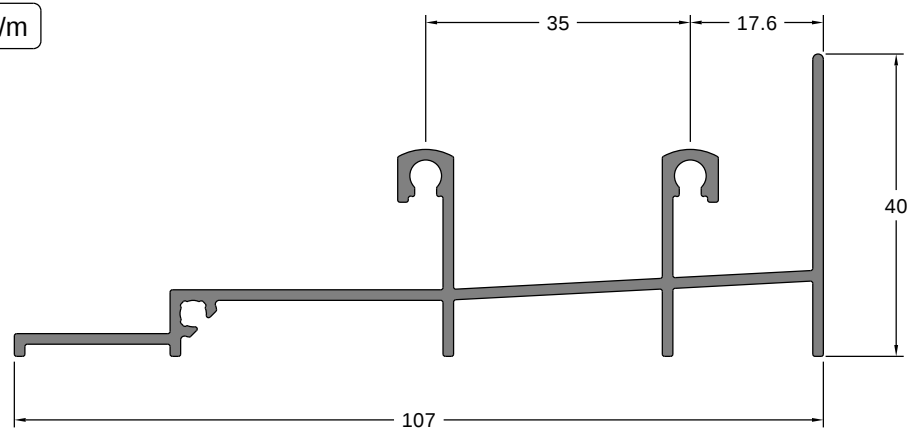


MAC-0443 1,289 Kg/m

SPI-013

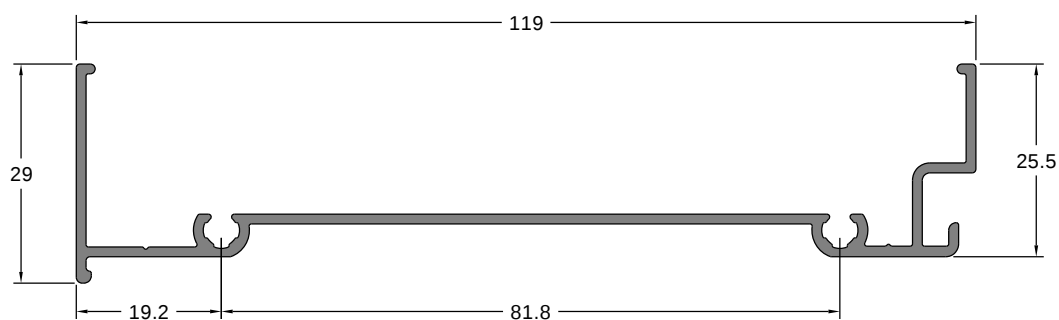


MAC-0444 0,905 Kg/m



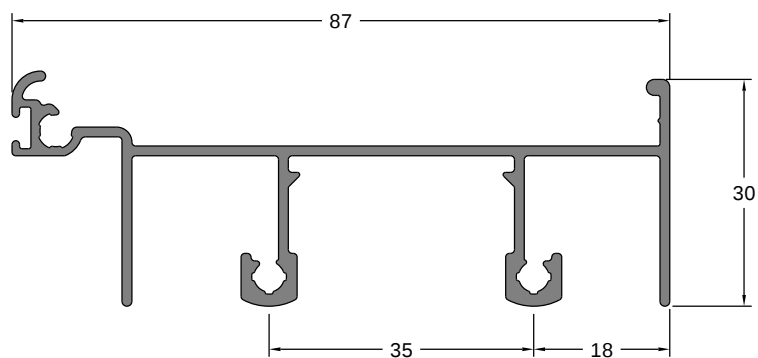
MAC-0980 0,705 Kg/m

OI-001



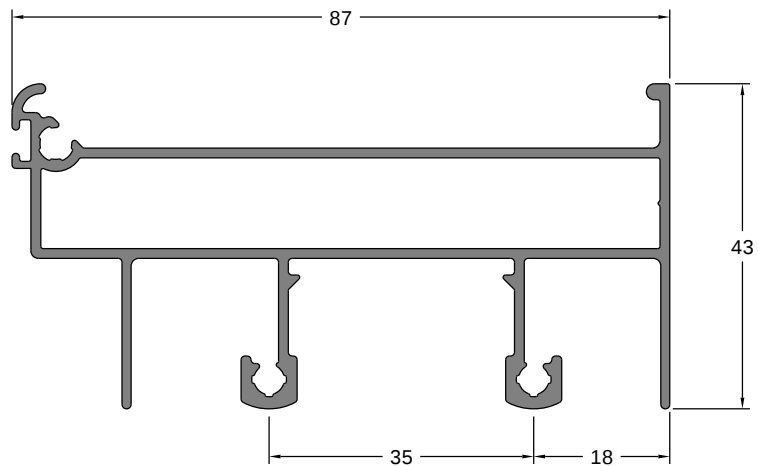
MAC-0981 0,827 Kg/m

OI-002



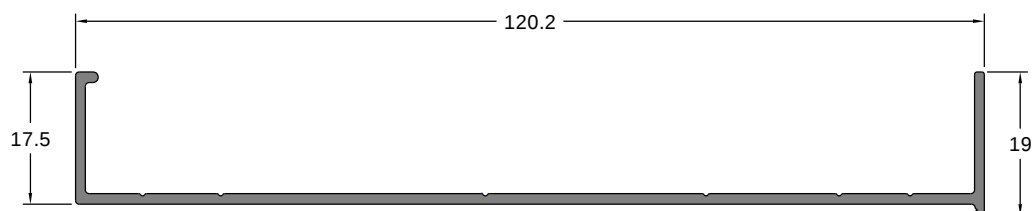
MAC-0983 1,919 Kg/m

OI-004



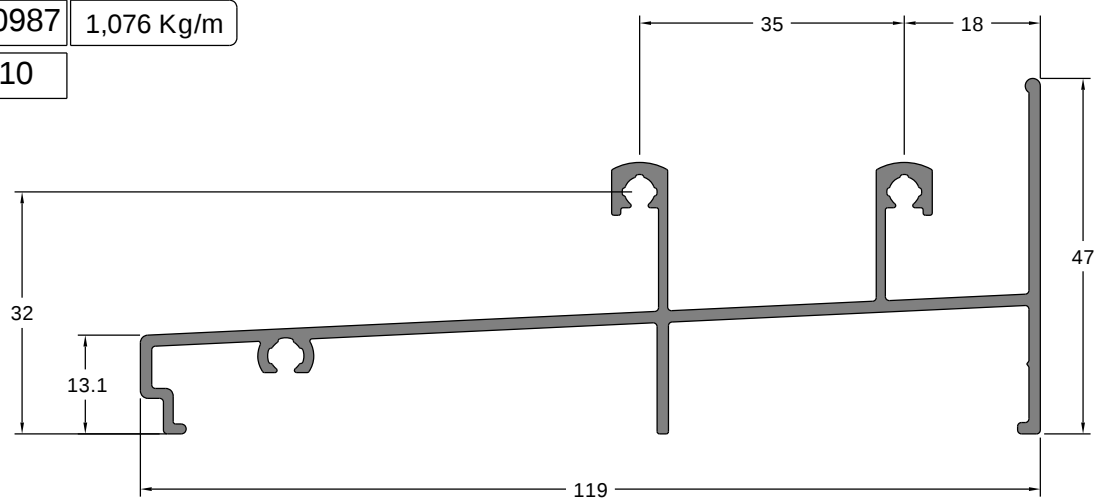
MAC-0982 0,577 Kg/m

OI-003



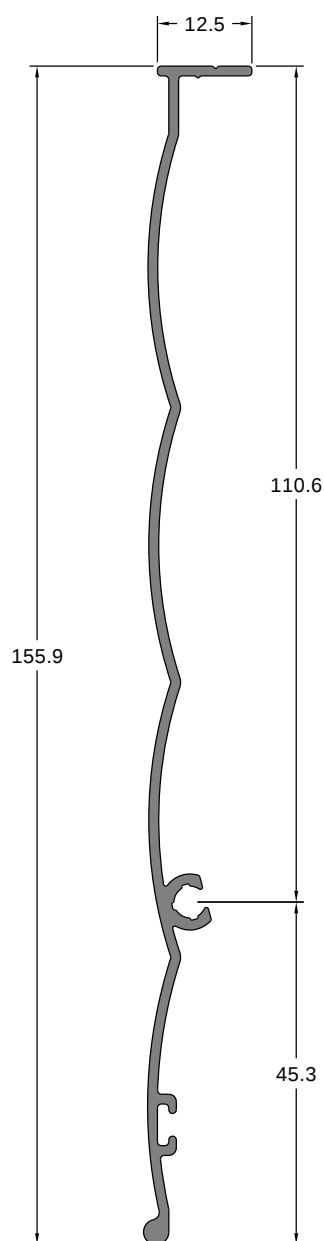
MAC-0987 1,076 Kg/m

OI-010



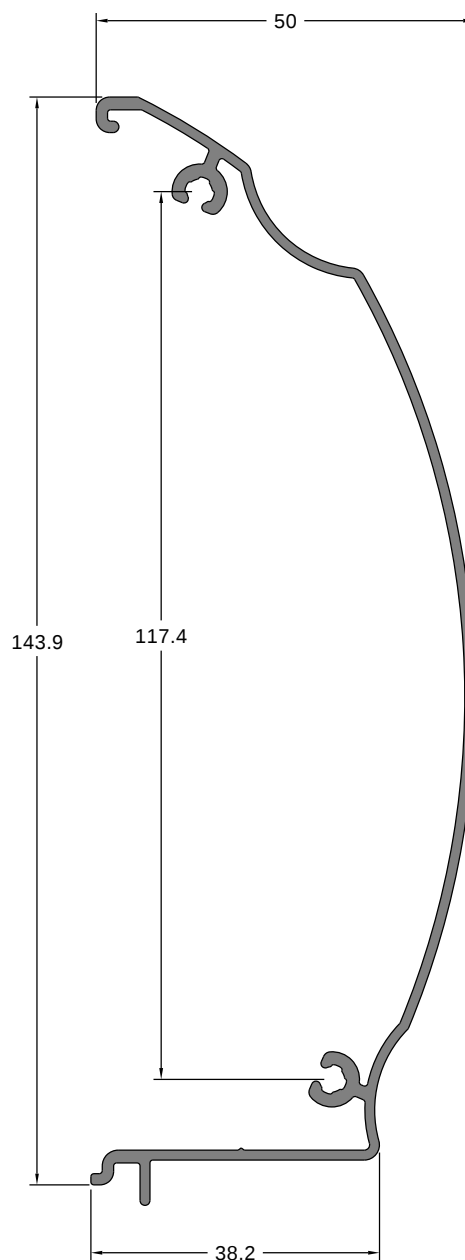
MAC-0986 0,683 Kg/m

OI-009



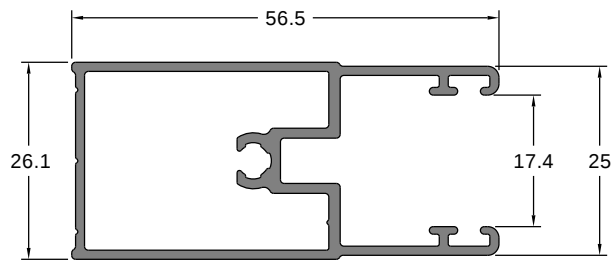
MAC-0985 0,915 Kg/m

OI-008



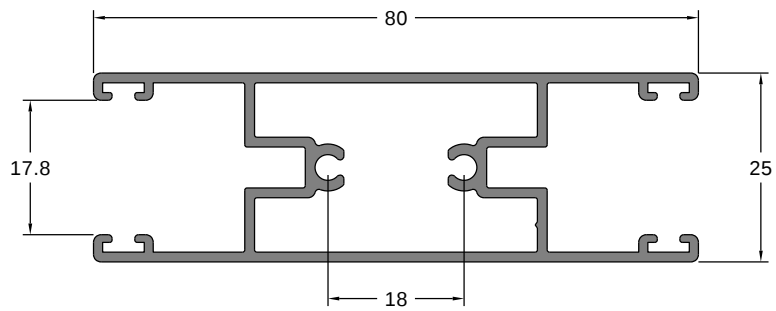
MAC-0984 0,680 Kg/m

OI-007



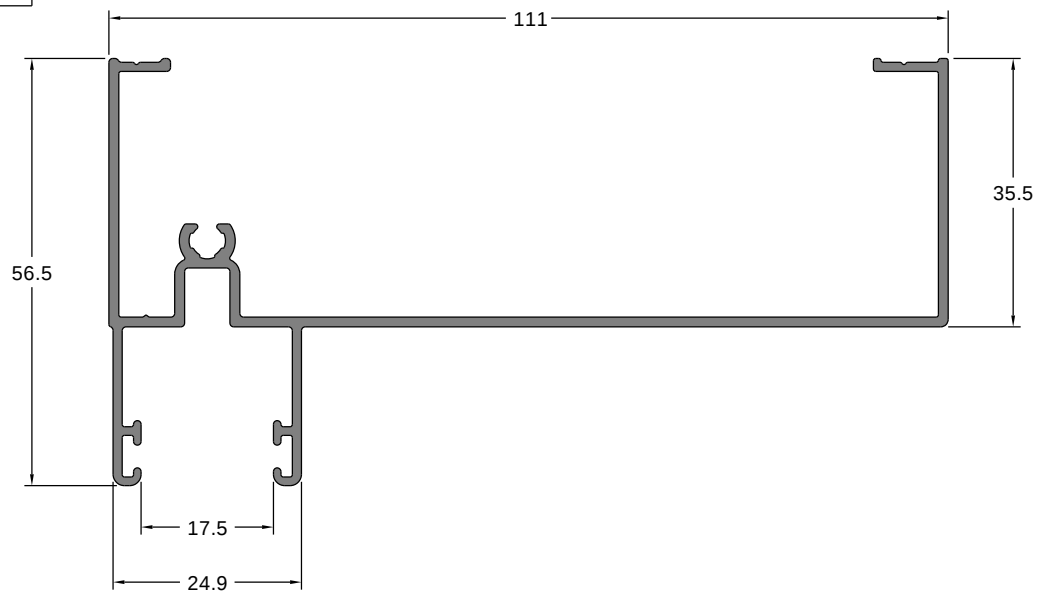
MAC-0988 0,976 Kg/m

OI-027



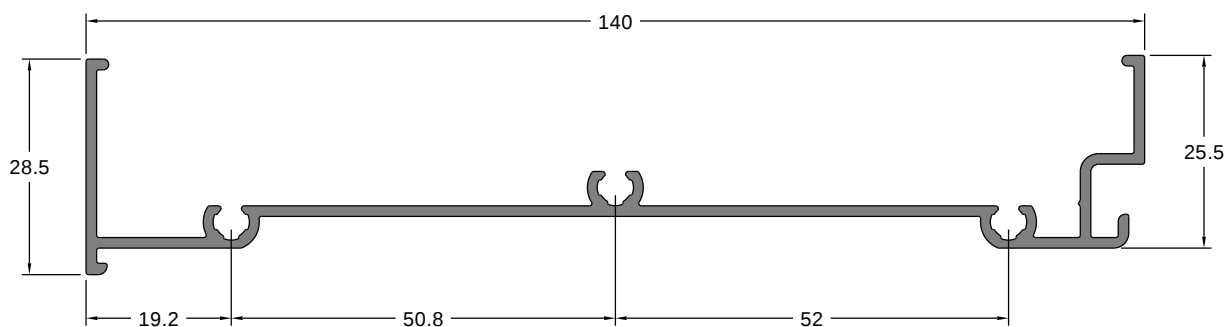
MAC-0991 0,953 Kg/m

OI-079



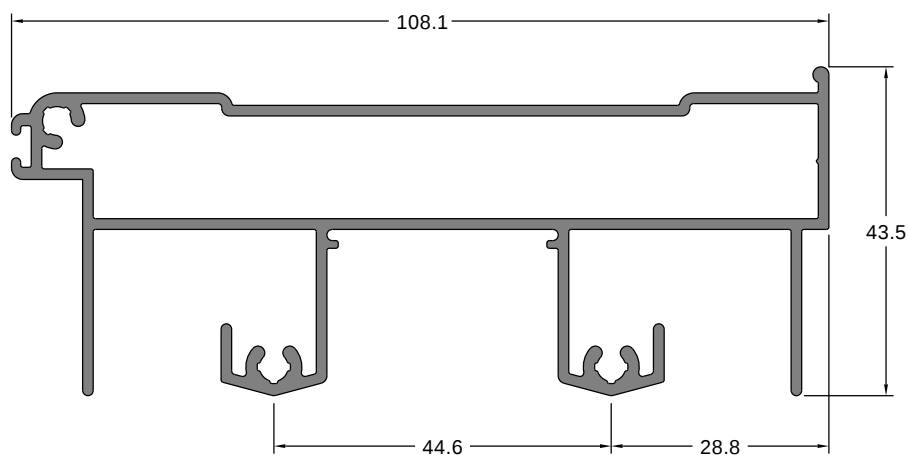
MAC-0995 0,870 Kg/m

VNI-321



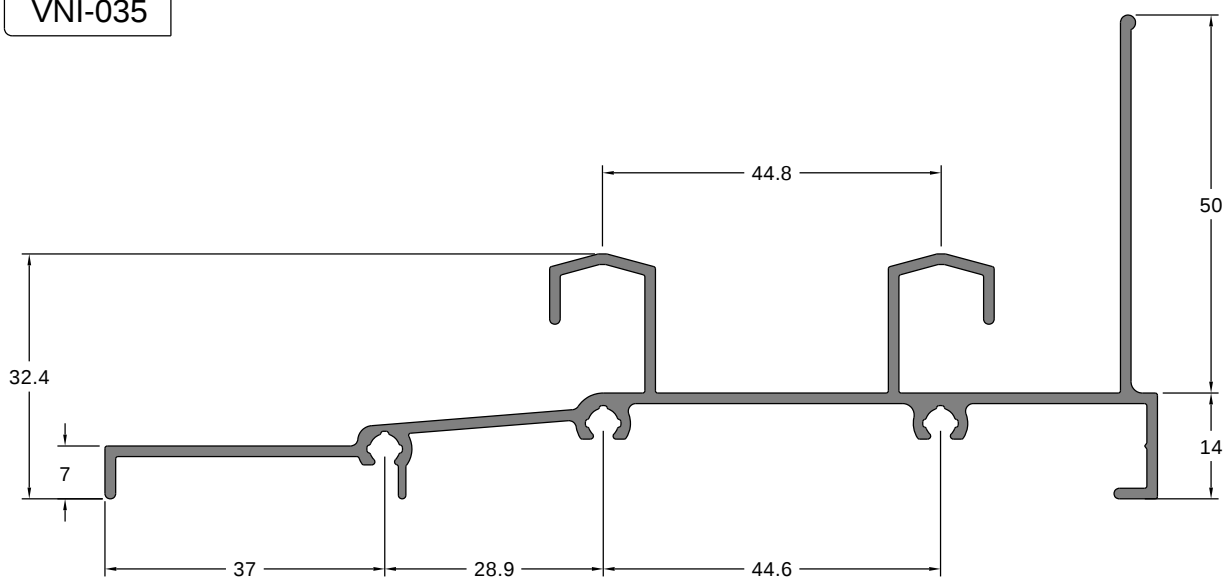
MAC-0996 1,562 Kg/m

VNI-322



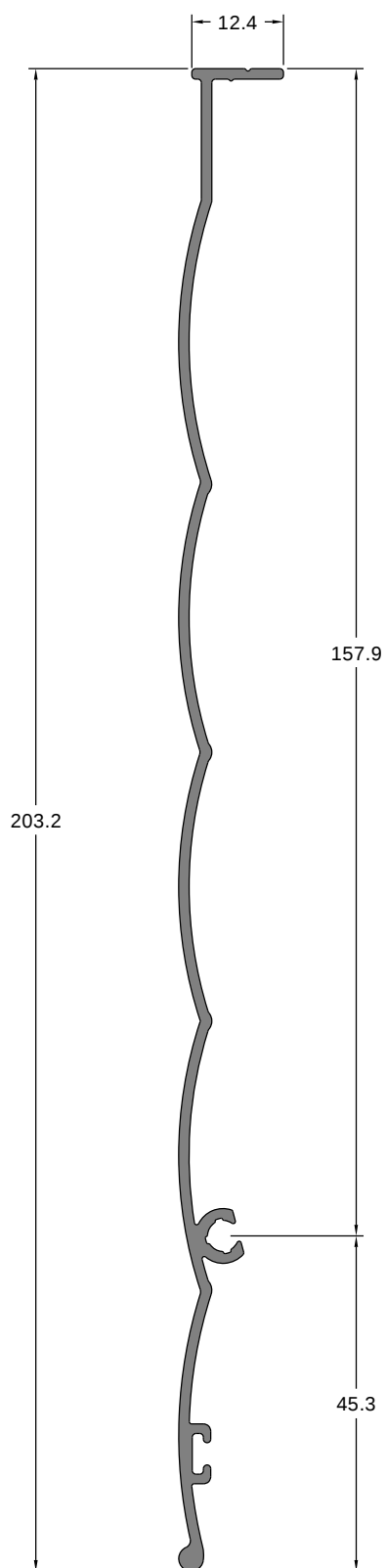
MAC-0992 1,218 Kg/m

VNI-035



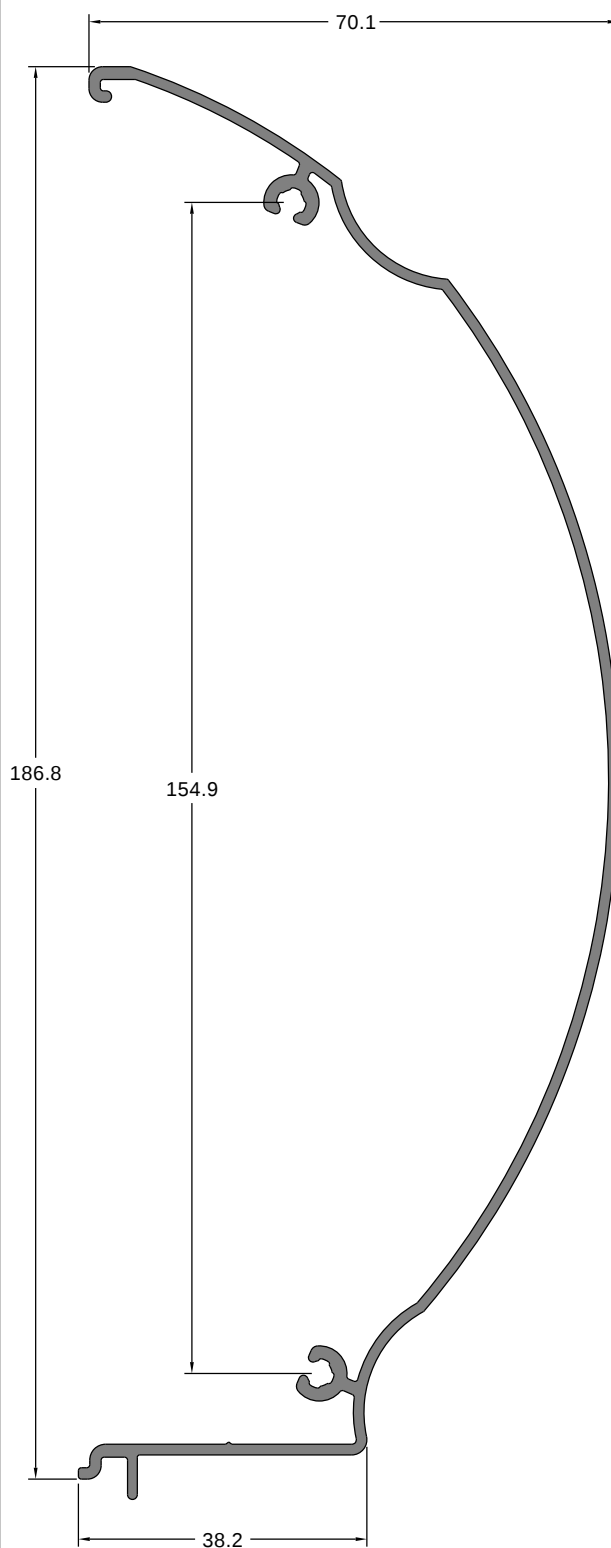
MAC-0989 0,927 Kg/m

OI-039



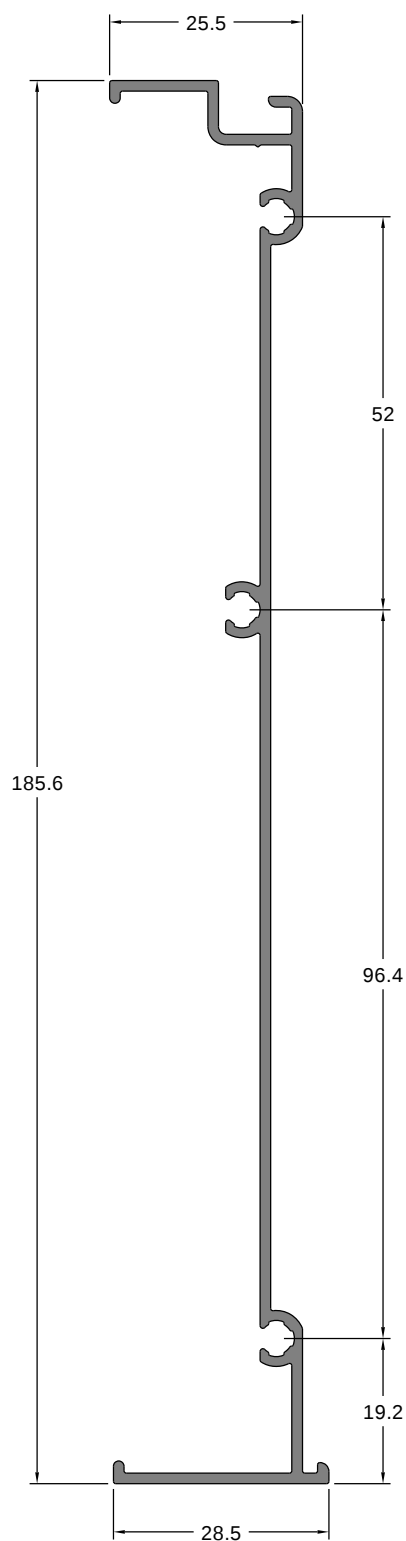
MAC-0990 1,194 Kg/m

OI-040



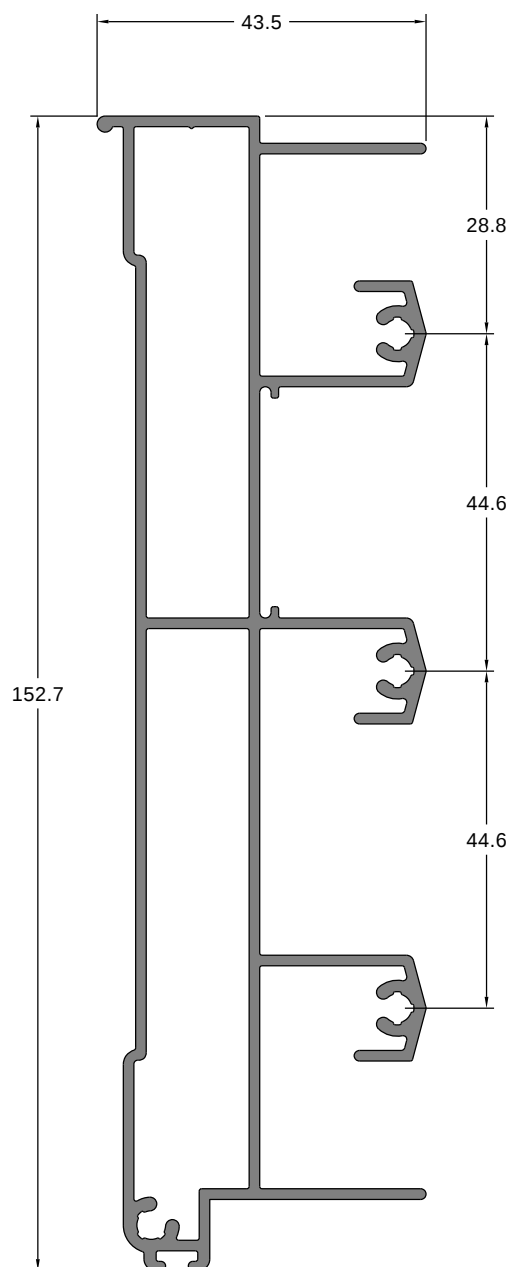
MAC-0993 1,043 Kg/m

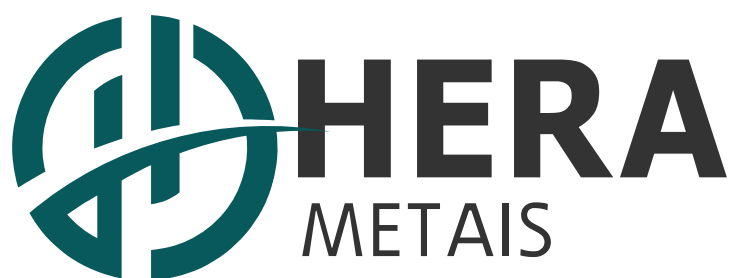
VNI-301



MAC-0994 2,150 Kg/m

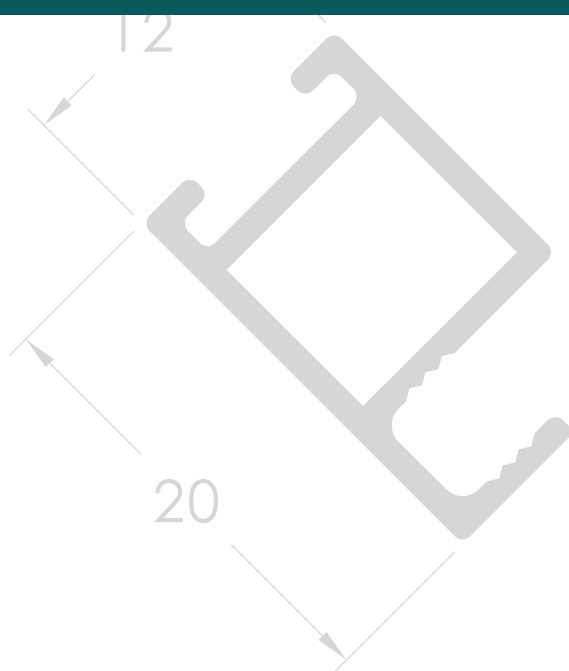
VNI-302





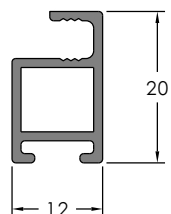
20

MOSQUITEIRO



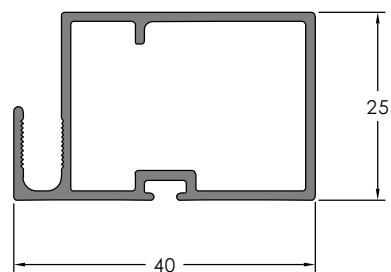
MAC-0341 0,221 Kg/m

A-058

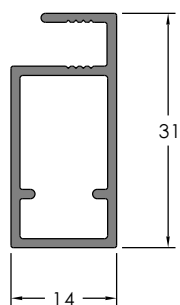


MAC-0227 0,492 Kg/m

P-227

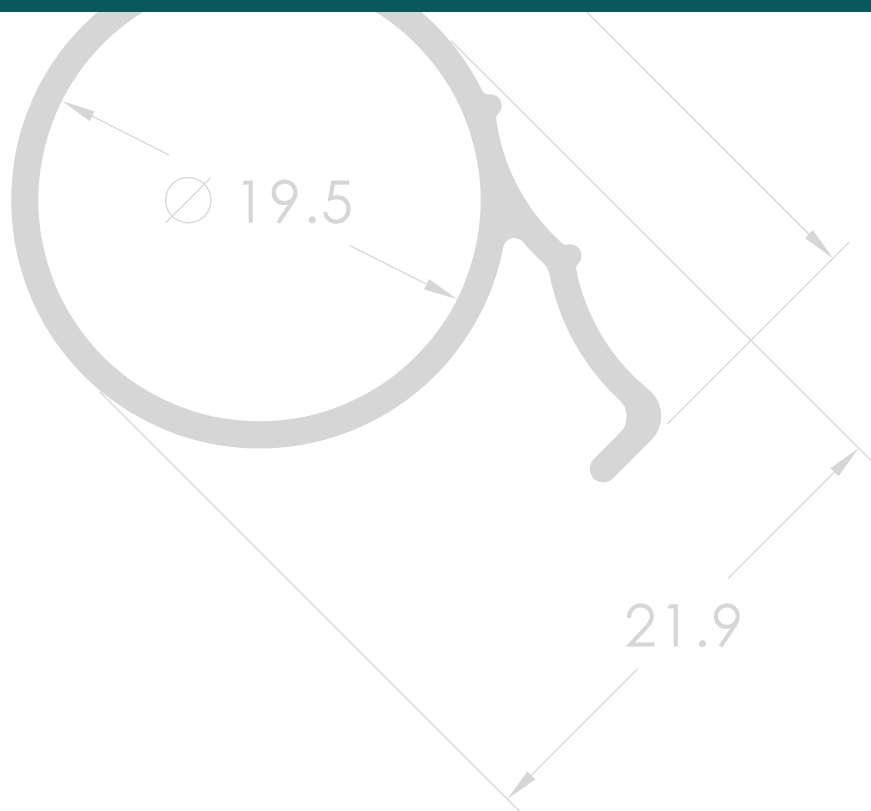


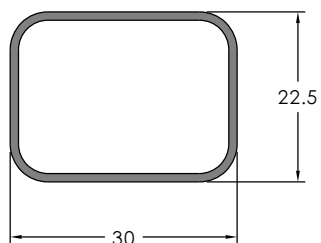
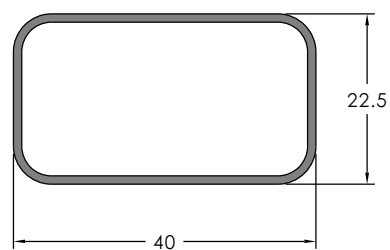
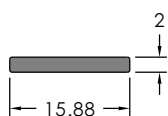
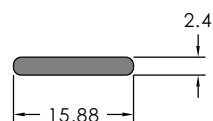
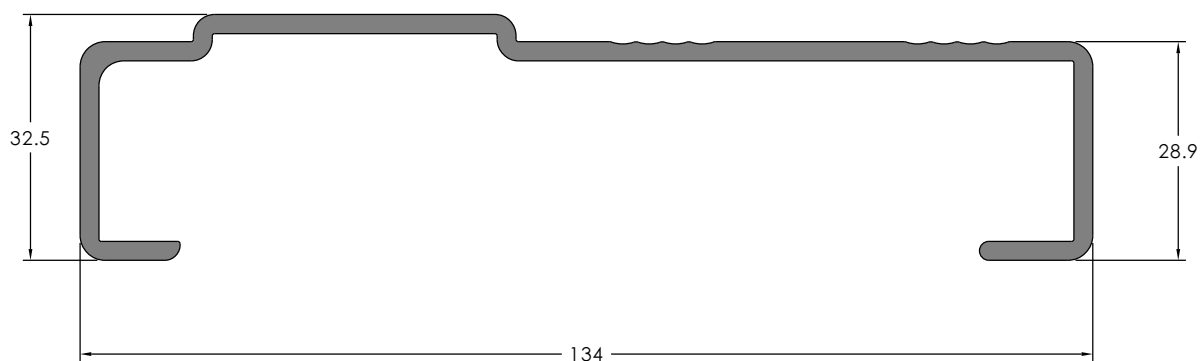
MAC-0597 0,295 Kg/m



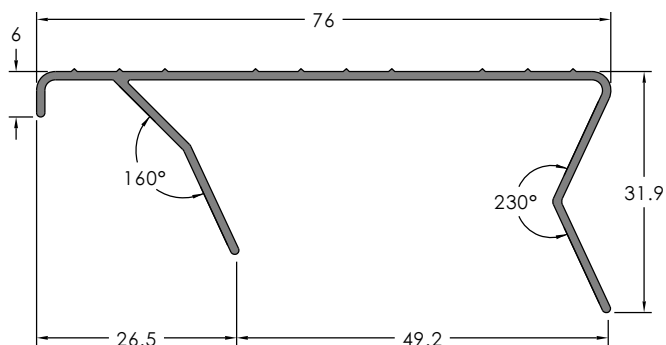
21

ESCADA

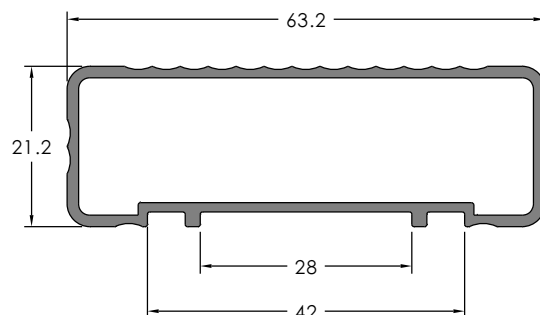


MAC-0190 0,277 Kg/m

MAC-0191 0,336 Kg/m

MAC-1132 0,086 Kg/m

MAC-1133 0,100 Kg/m

MAC-1135 1,416 Kg/m


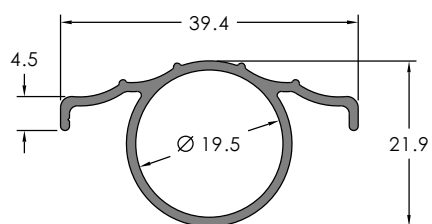
MAC-0193 0,424 Kg/m



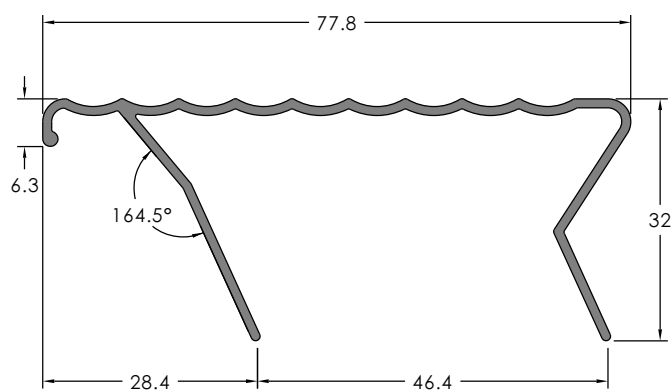
MAC-0194 0,594 Kg/m



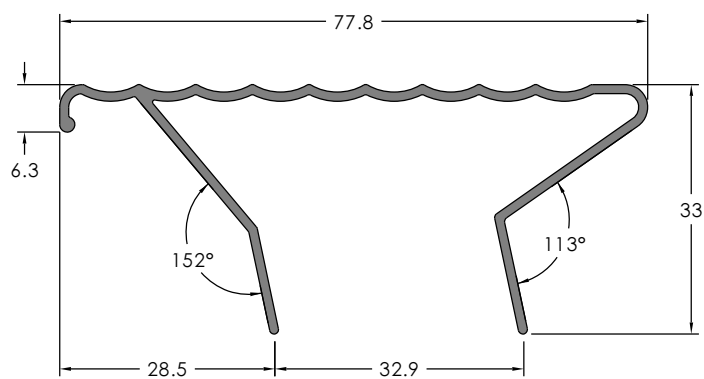
MAC-1136 0,319 Kg/m



MAC-1137 0,504 Kg/m

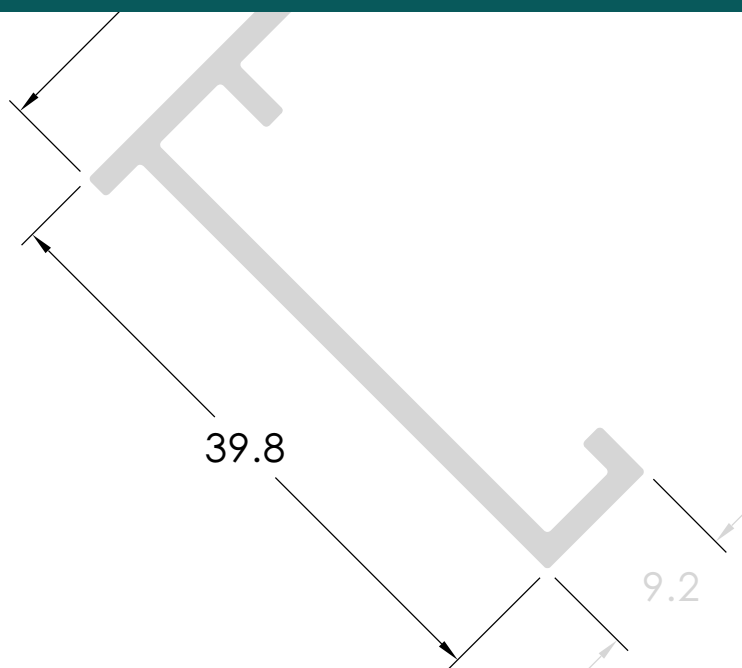


MAC-1138 0,532 Kg/m

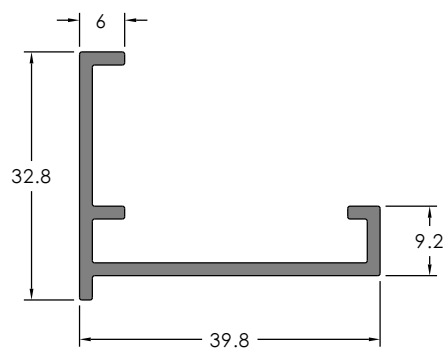


22

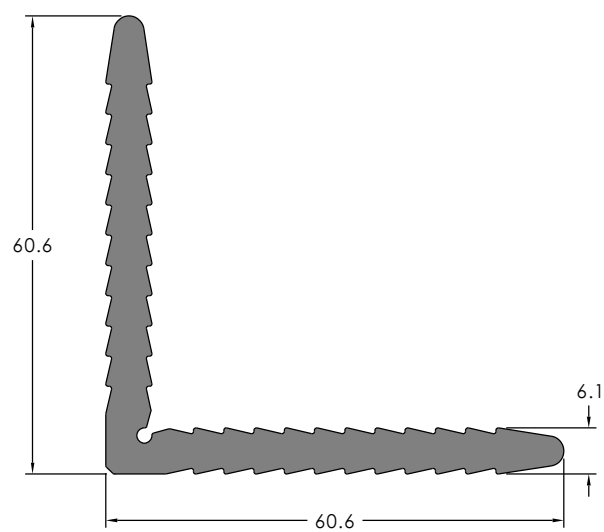
PLACAS

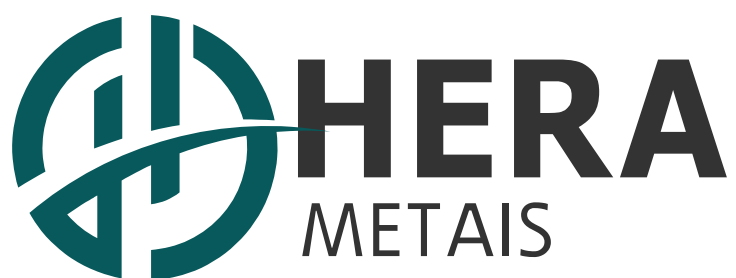


MAC-0320 0,412 Kg/m



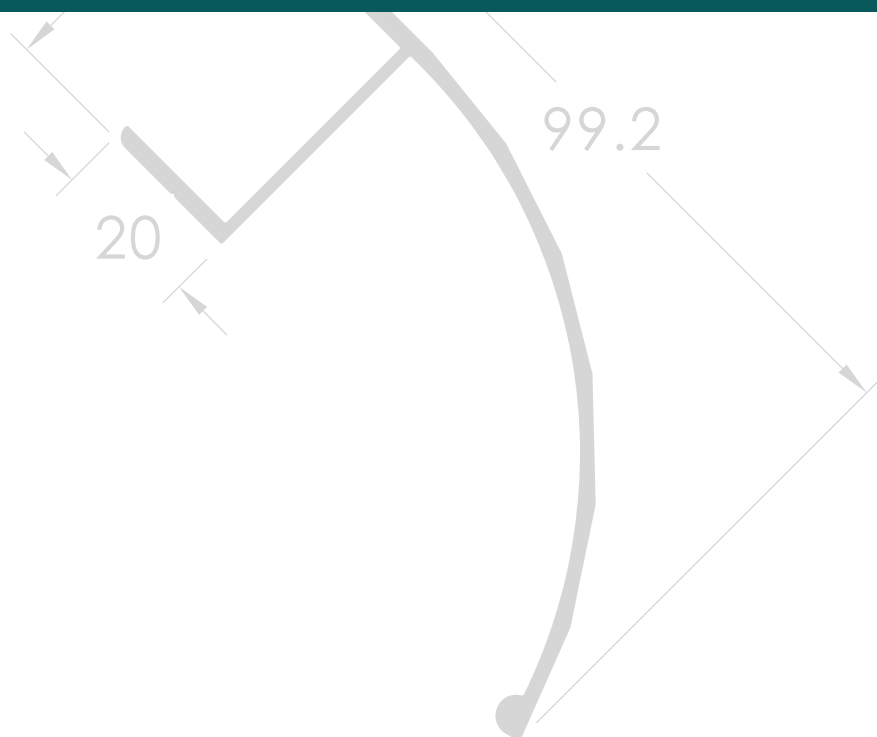
MAC-0321 1,639 Kg/m

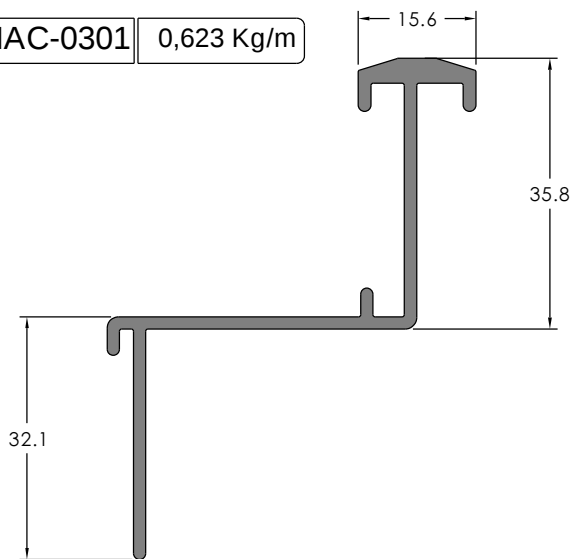


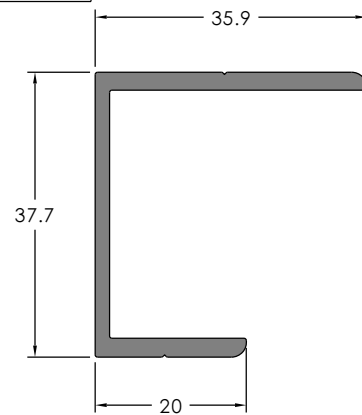


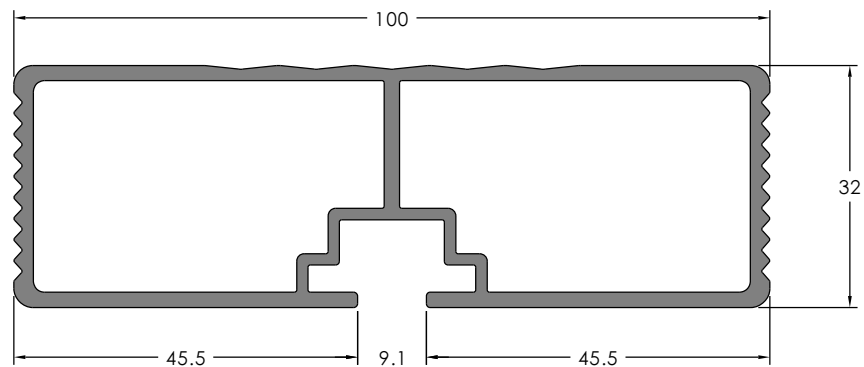
23

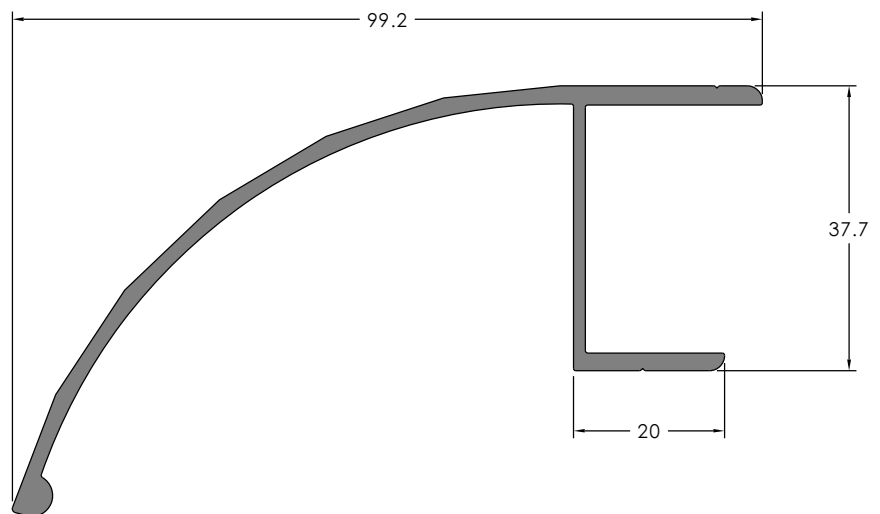
BAÚ E CARROCERIA



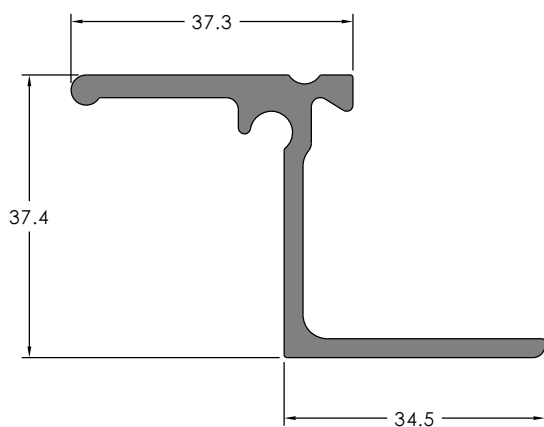
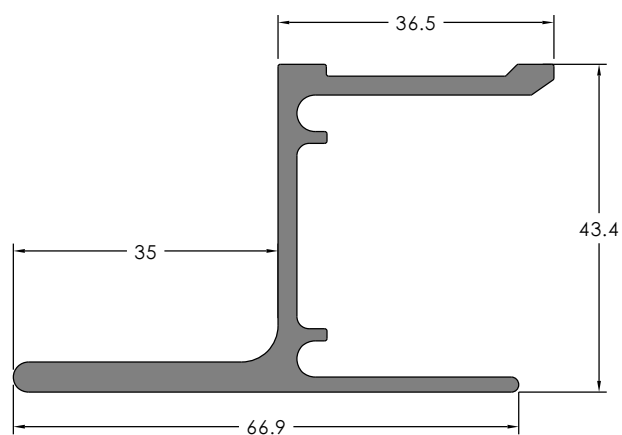
MAC-0301 0,623 Kg/m

MAC-0324 0,532 Kg/m

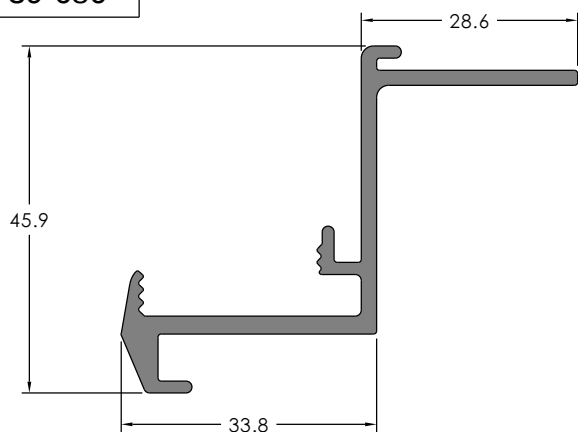
STL-1027

MAC-0325 1,576 Kg/m

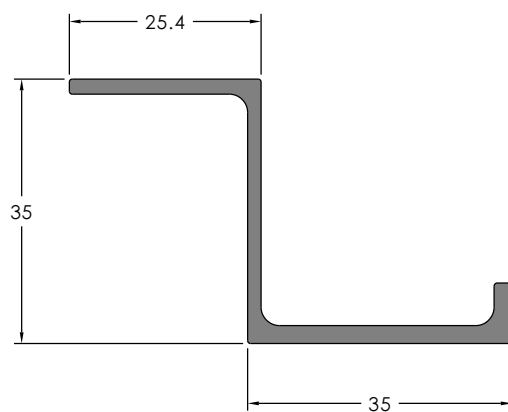
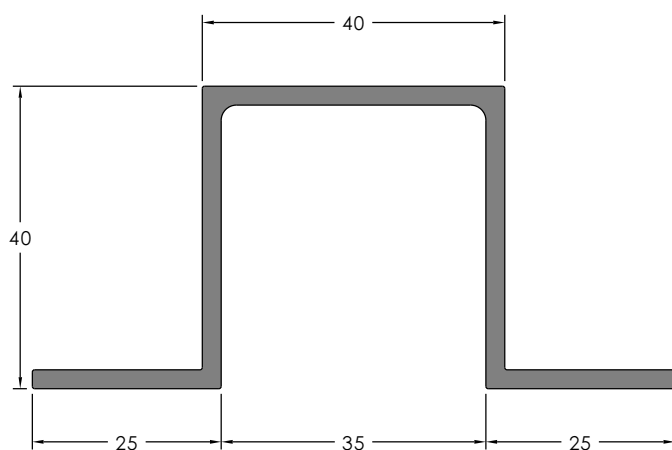
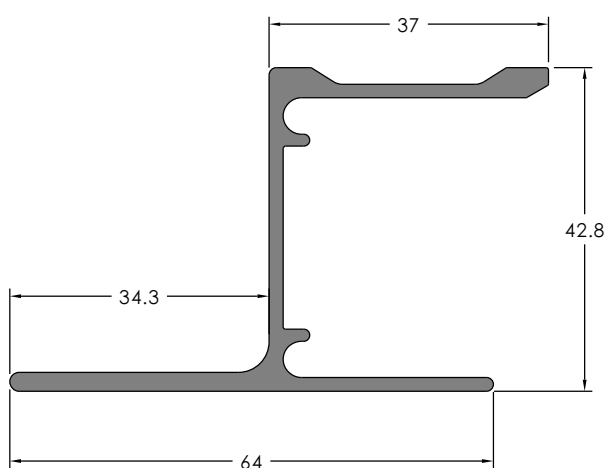
STL-1028

MAC-0326 1,028 Kg/m

STL-1029


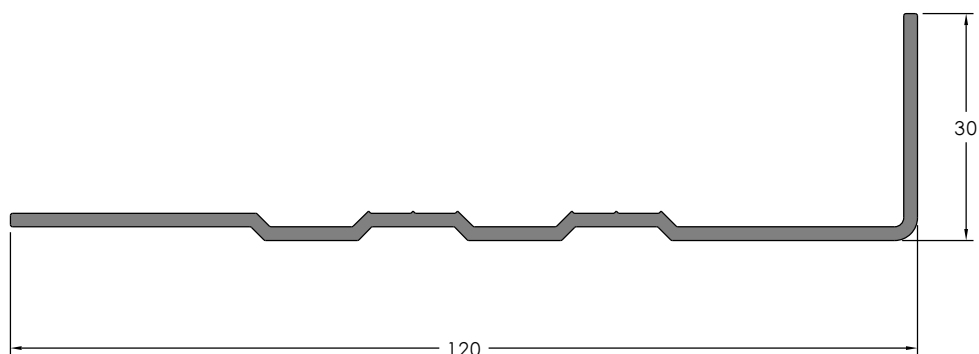
MAC-0470 0,826 Kg/m

40-005

MAC-0471 1,153 Kg/m

MAC-0472 0,731 Kg/m

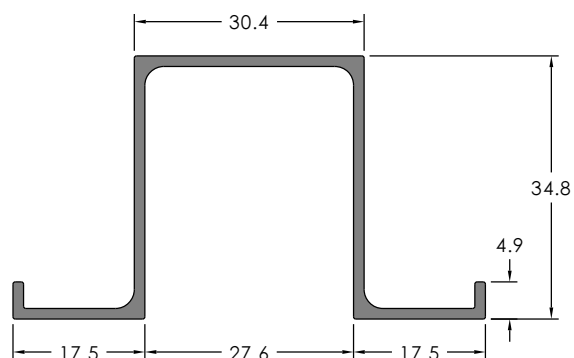
39-686

MAC-0473 0,560 Kg/m

40-003

MAC-0474 1,088 Kg/m

MAC-0520 0,877 Kg/m


MAC-0413 0,737 Kg/m

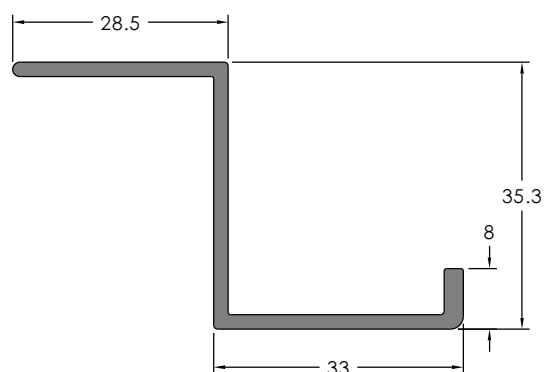


MAC-0555 0,531 Kg/m

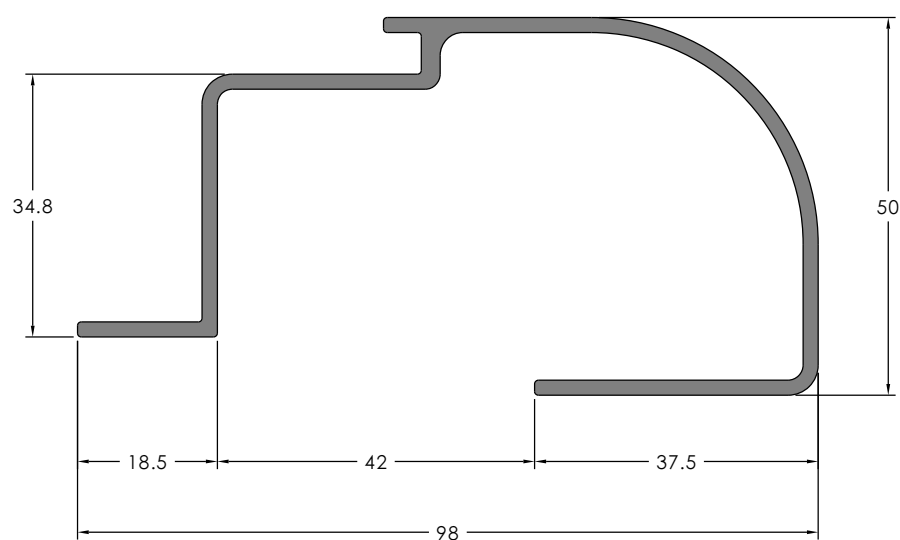


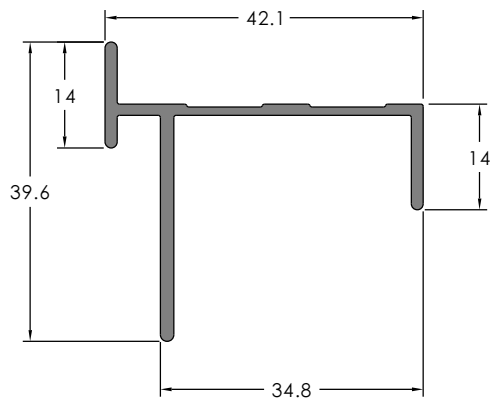
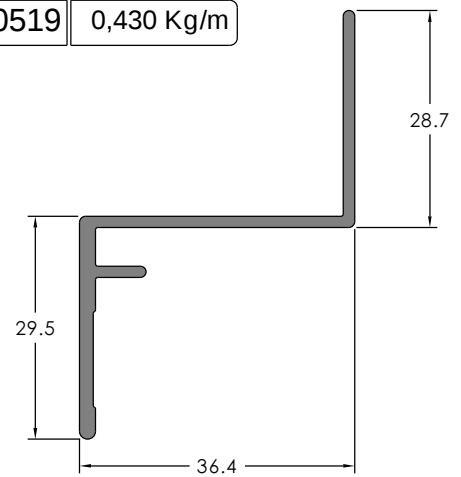
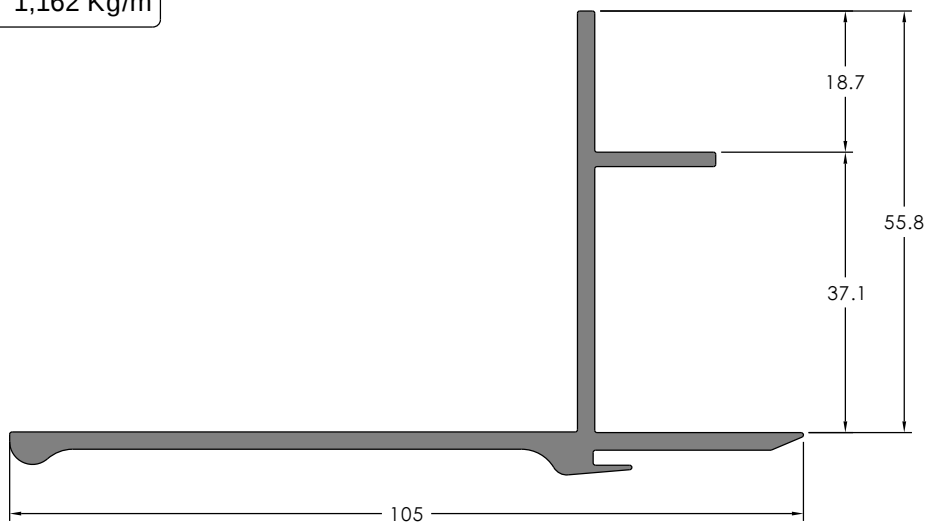
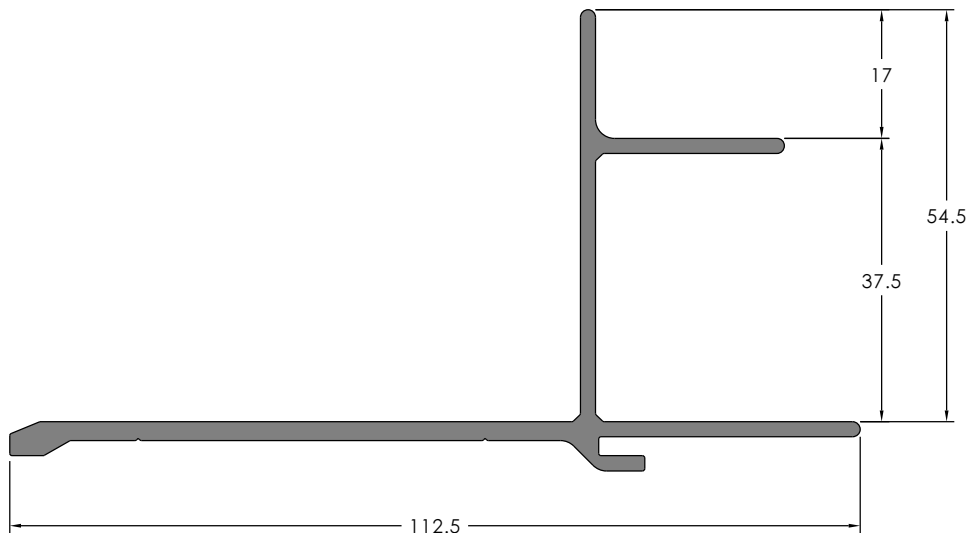
MAC-0556 0,517 Kg/m

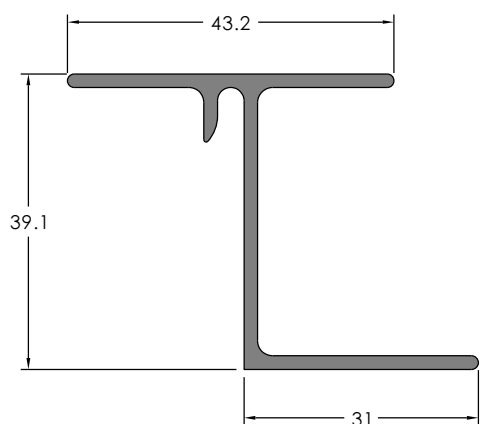
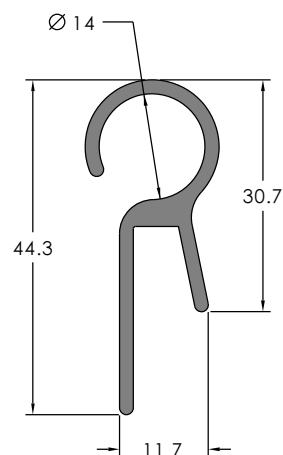
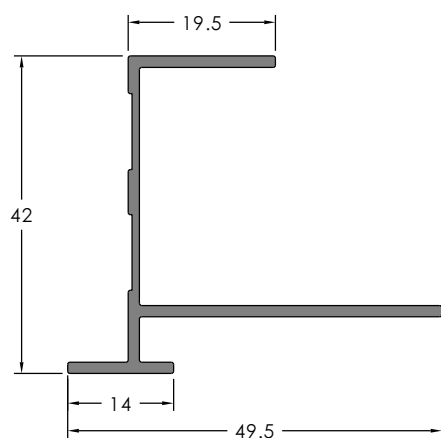
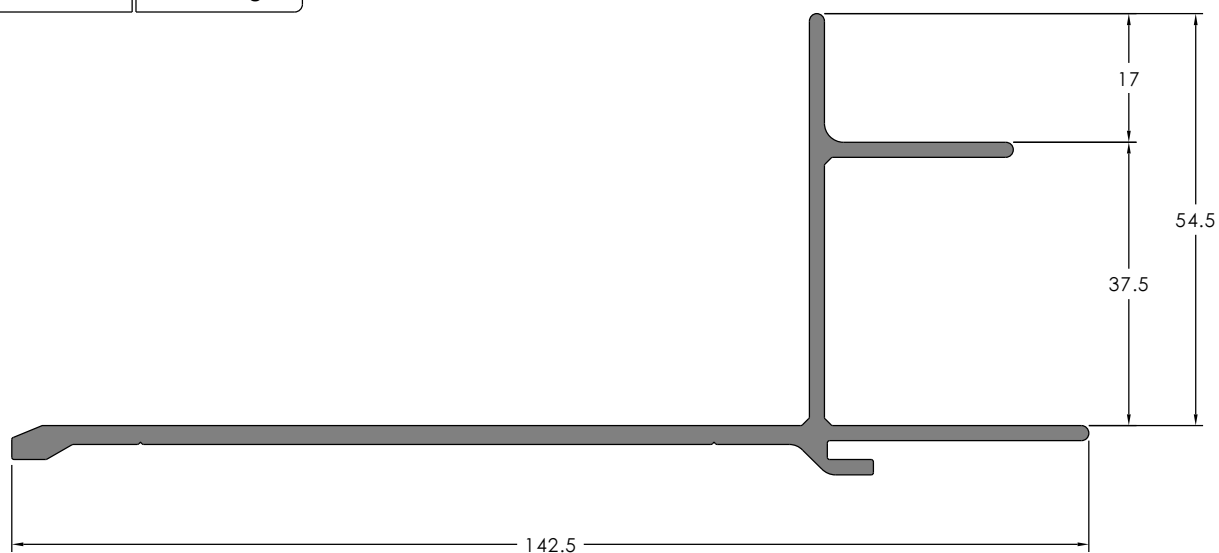
BG-001

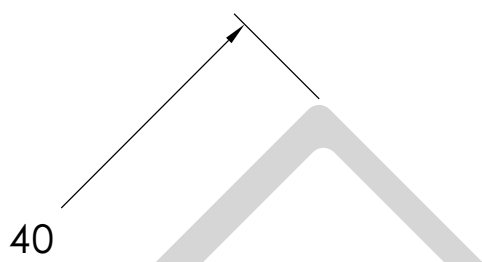
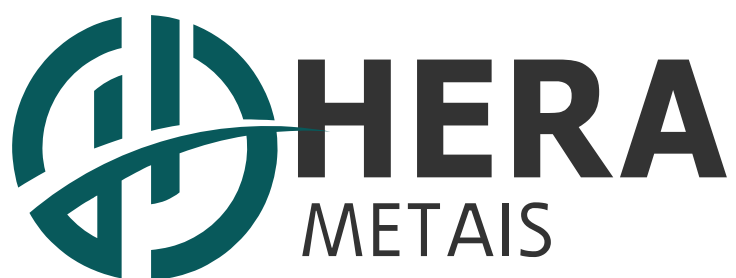


MAC-0516 1,160 Kg/m



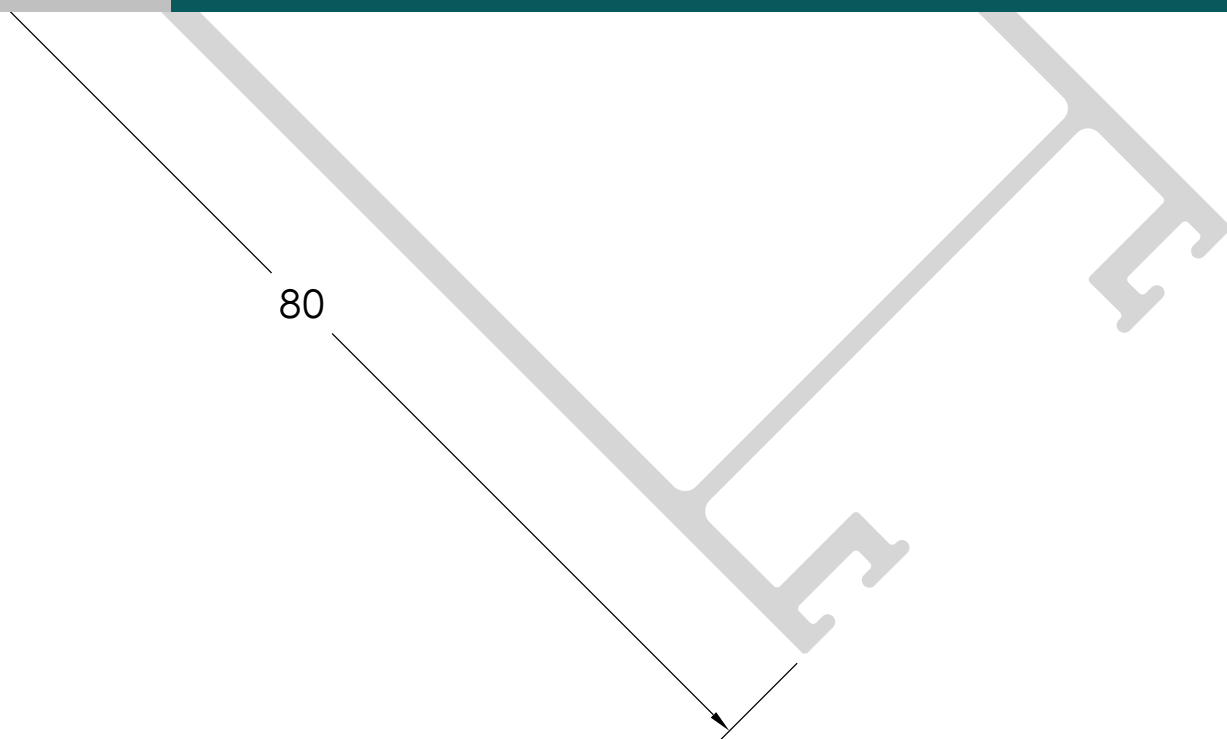
MAC-0517 0,400 Kg/m

MAC-0519 0,430 Kg/m

MAC-0518 1,162 Kg/m

MAC-0607 1,225 Kg/m


MAC-0609 0,573 Kg/m

MAC-0611 0,439 Kg/m

MAC-0612 0,429 Kg/m

MAC-0608 1,428 Kg/m




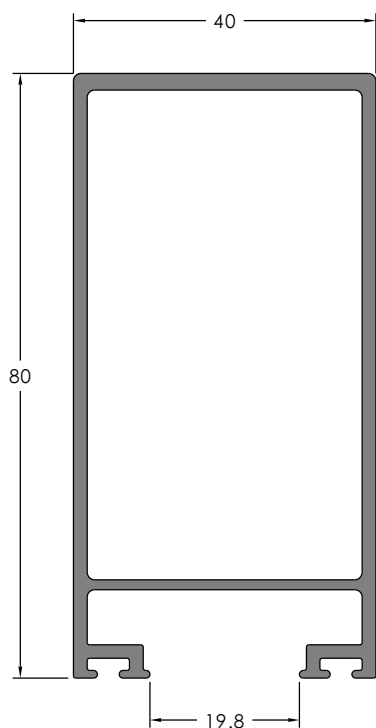
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FACHADA GRID



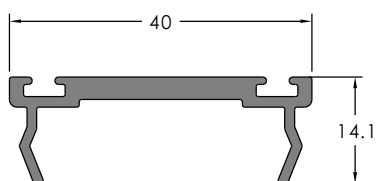
MAC-0668 1,244 Kg/m

FC-012



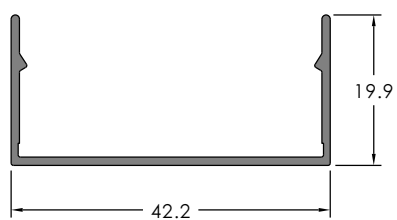
MAC-0670 0,383 Kg/m

FC-014



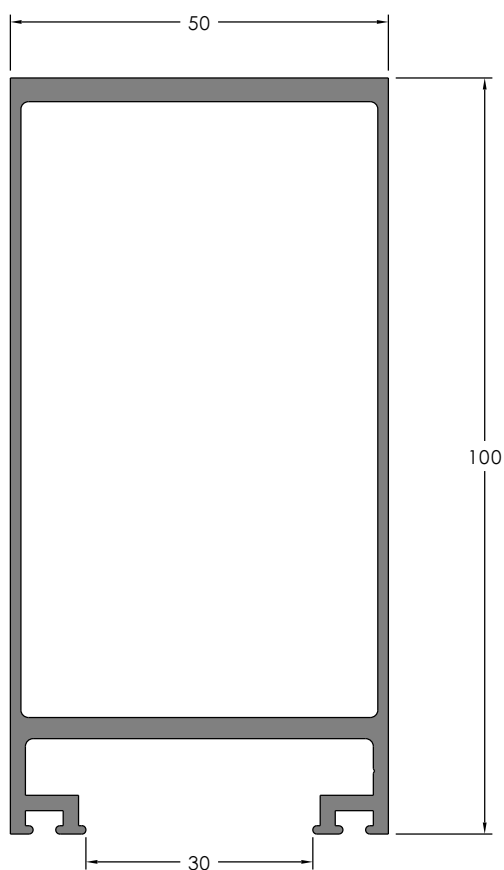
MAC-0669 0,242 Kg/m

FC-013



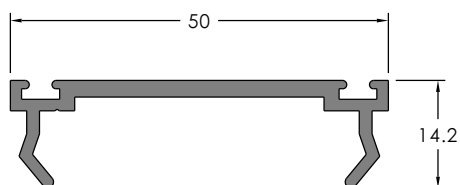
MAC-0773 1,683 Kg/m

FC-017



MAC-0844 0,421 Kg/m

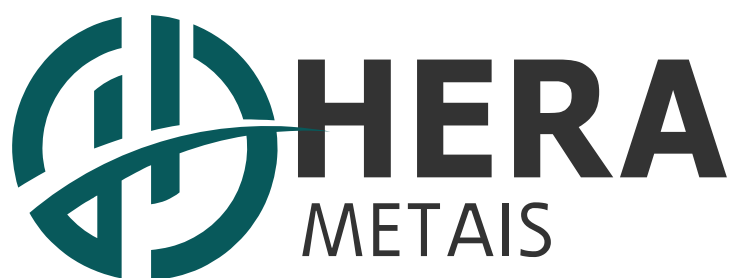
FC-543



MAC-0801 0,298 Kg/m

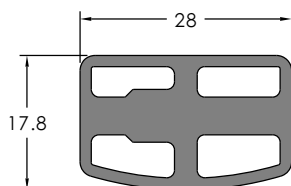
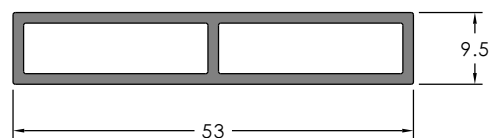
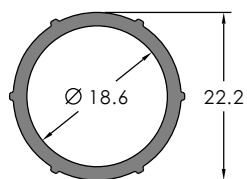
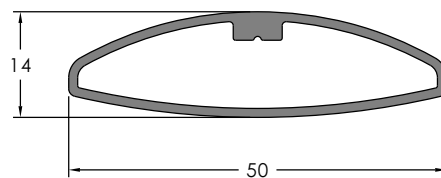
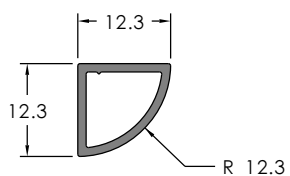
FC-542



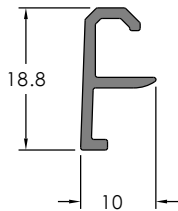


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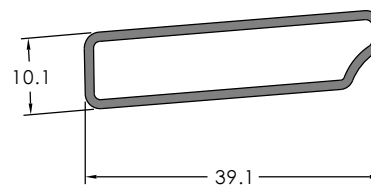
DIVERSOS

MAC-0460 0,783 Kg/m

MAC-0509 0,479 Kg/m

MAC-0559 0,320 Kg/m

MAC-0513 0,390 Kg/m

MAC-0776 0,118 Kg/m


MAC-0245 0,133 Kg/m

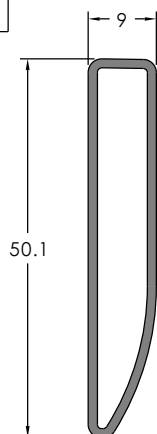


MAC-0304 0,292 Kg/m

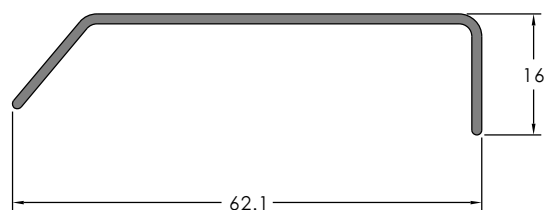


MAC-0305 0,348 Kg/m

BK-865

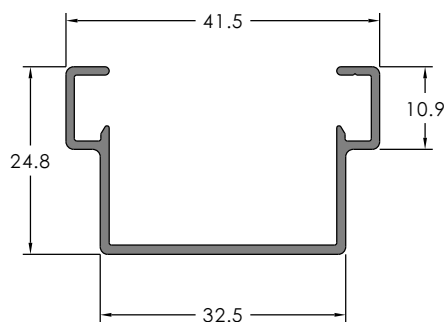


MAC-0704 0,284 Kg/m



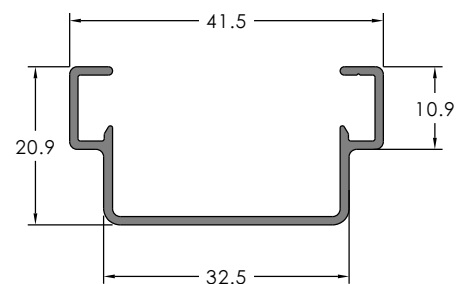
MAC-0877 0,315 Kg/m

WZM-086

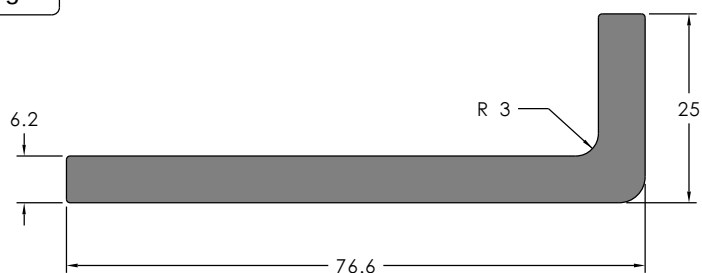


MAC-0878 0,278 Kg/m

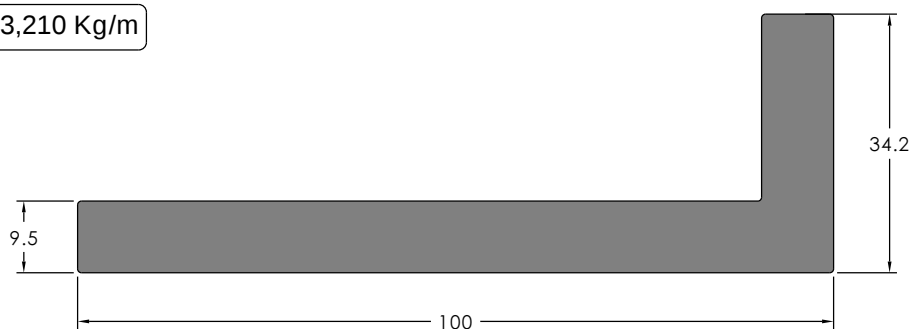
WZM-087



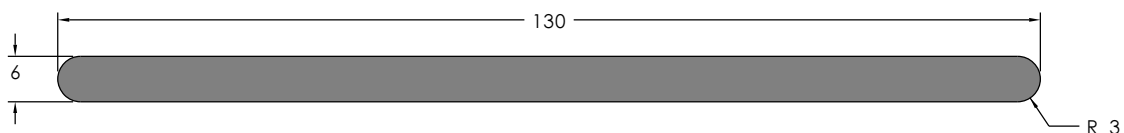
MAC-0577 1,600 Kg/m



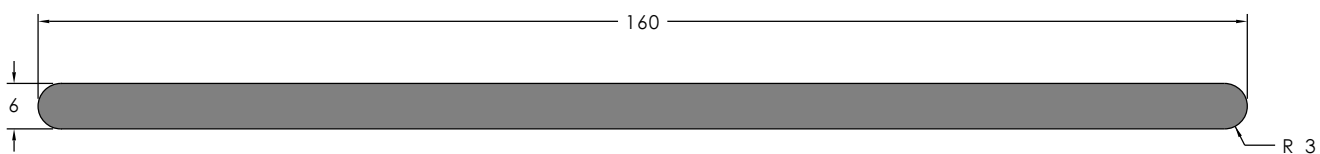
MAC-0578 3,210 Kg/m



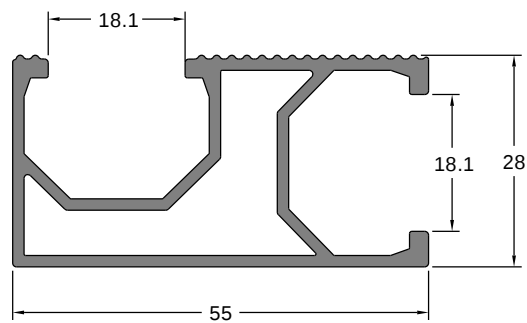
MAC-0593 2,092 Kg/m



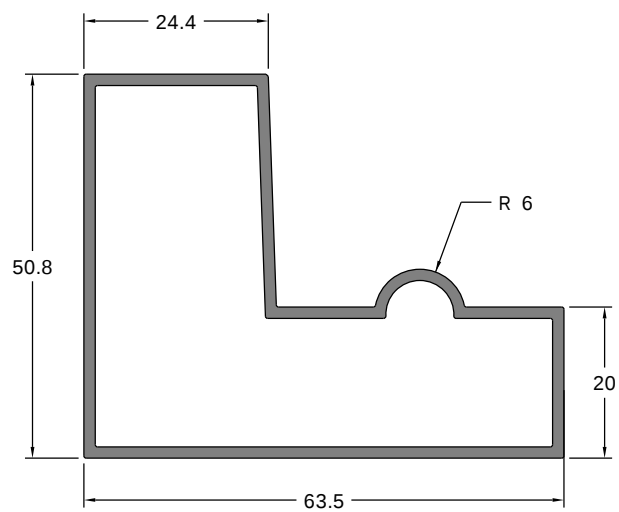
MAC-0590 2,580 Kg/m



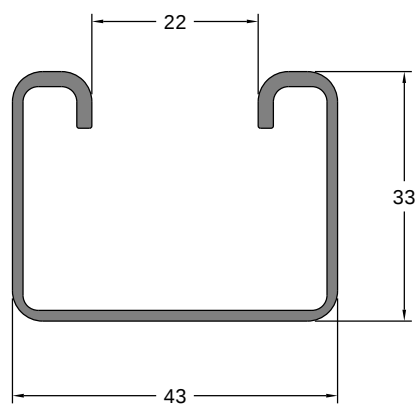
MAC-0605 0,853 Kg/m



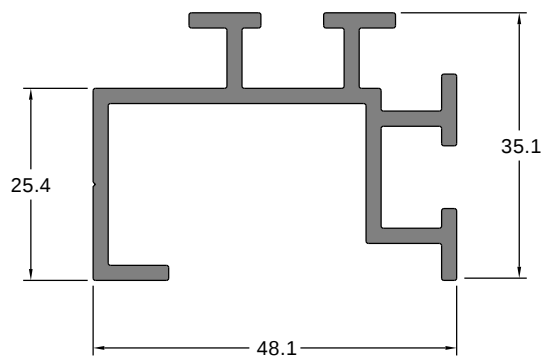
MAC-0630 0,923 Kg/m



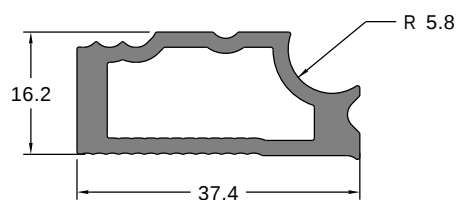
MAC-0604 0,519 Kg/m



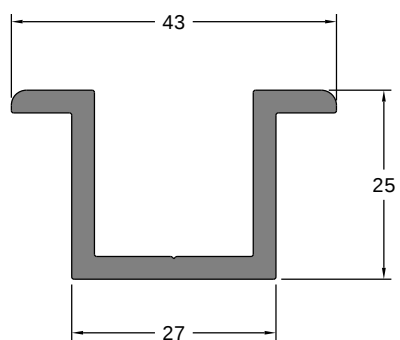
MAC-0655 0,856 Kg/m



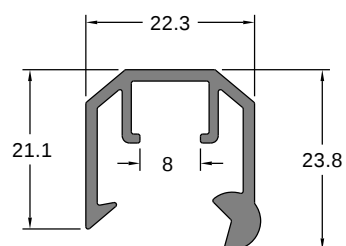
MAC-0660 0,616 Kg/m



MAC-0676 0,702 Kg/m



MAC-0662 0,360 Kg/m





PERFIS DE ALUMÍNIO

