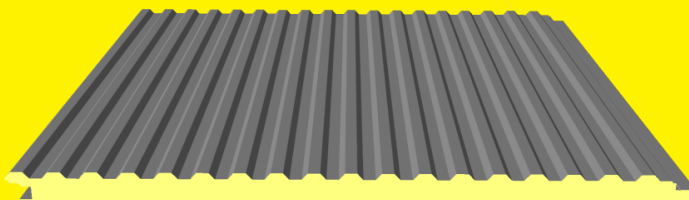
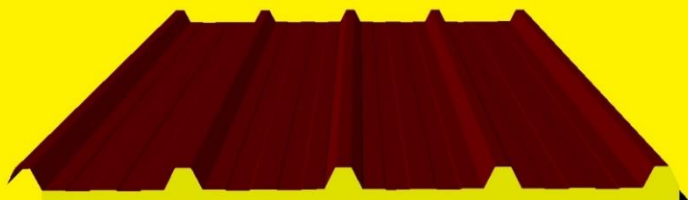


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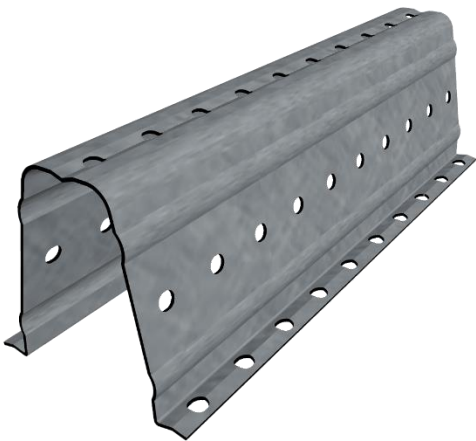


SOLUÇÕES PARA COBERTURAS E FACHADAS



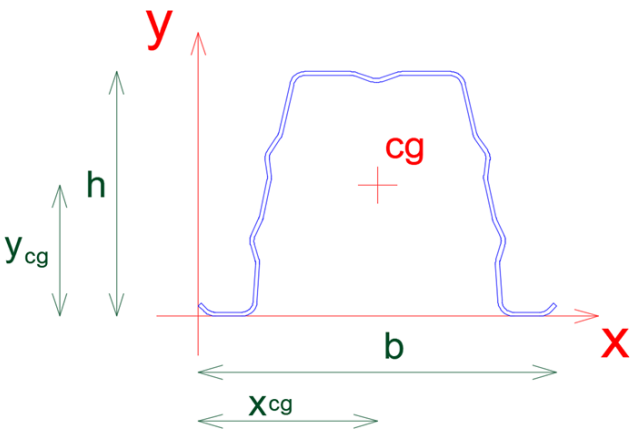
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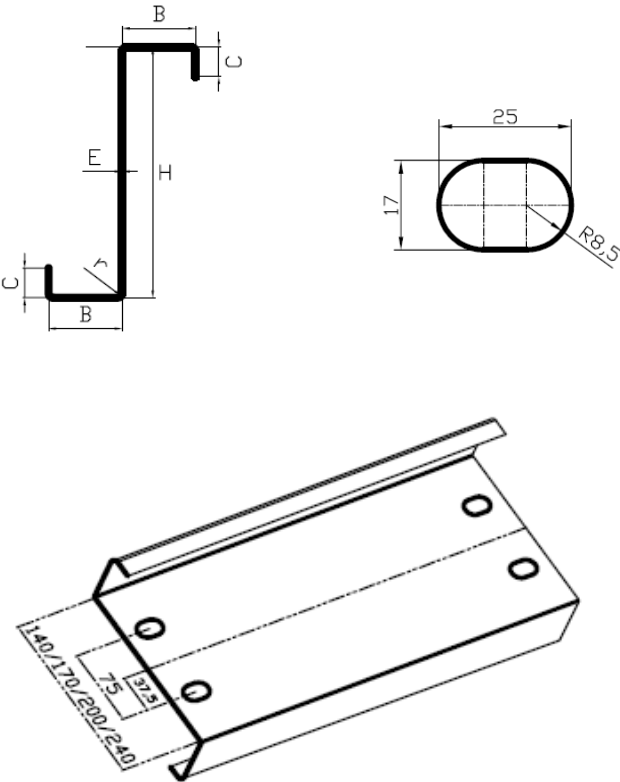




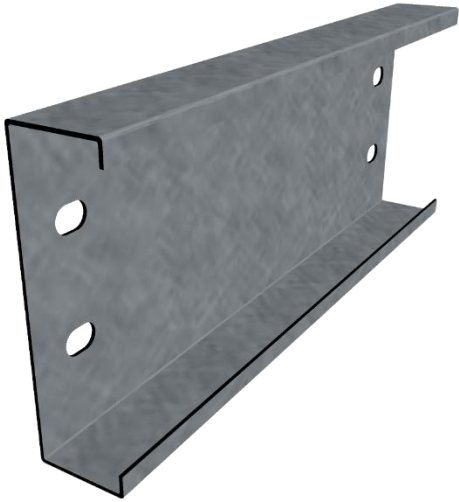
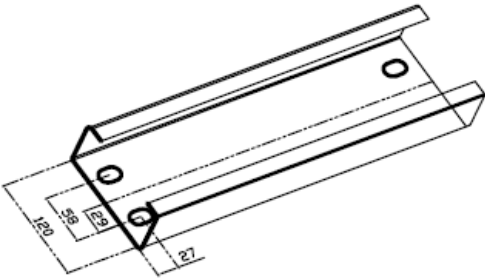
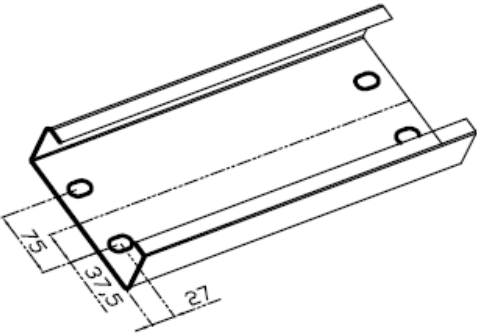
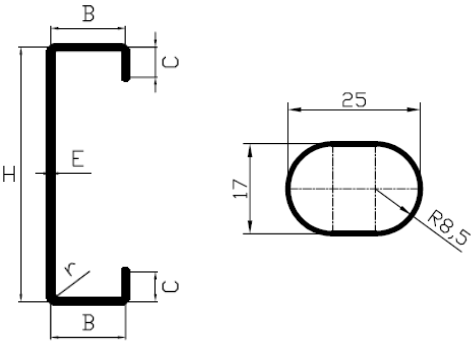
Referência		Espessura (mm)	Área (cm²)	Massa (kg/m)	Perímetro (mm)	Área Pintura (m²/m)	Largura (b) (mm)	Altura (h) (mm)	x _{cg} (mm)	y _{cg} (mm)	I _x (cm⁴)	I _y (cm⁴)	I _{xy} (cm⁴)	i _x (cm)	i _y (cm)
MO®	100x1,50	1,50	4,60	3,61	616	0,6164528	139,5	100,0	69,8	52,3	61,64	77,62	-0,000025	3,66	4,11
MO®	100x2,00	2,00	6,14	4,82	618	0,6176283	139,7	100,0	69,9	52,6	82,21	104,23	0,006581	3,66	4,12
MO®	100x2,50	2,50	7,67	6,02	619	0,6187788	139,9	100,0	69,9	52,9	102,80	131,21	0,011114	3,66	4,14
MO®	130x1,50	1,50	5,52	4,33	739	0,7387886	151,5	130,0	75,8	67,4	117,88	109,74	0,005638	4,62	4,46
MO®	130x2,00	2,00	7,36	5,78	740	0,7399716	151,7	130,0	75,9	67,8	157,20	147,32	-0,004593	4,62	4,47
MO®	130x2,50	2,50	9,20	7,22	741	0,7411348	151,9	130,0	75,9	68,1	196,62	185,41	-0,003331	4,62	4,49
MO®	150x1,50	1,50	6,13	4,81	820	0,8204151	159,5	150,0	79,8	77,5	168,91	135,02	0,008692	5,25	4,69
MO®	150x2,00	2,00	8,18	6,42	822	0,8215975	159,7	150,0	79,9	77,8	225,26	181,21	0,017561	5,25	4,71
MO®	150x2,50	2,50	10,22	8,02	823	0,8227541	159,9	150,0	79,9	78,2	281,71	228,04	-0,002518	5,25	4,72
MO®	200x1,50	1,50	7,66	6,01	1025	1,0246856	180,6	200,0	90,3	102,6	353,01	214,20	-0,001419	6,79	5,29
MO®	200x2,00	2,00	10,22	8,02	1026	1,0258677	180,8	200,0	90,4	102,9	470,87	287,34	-0,010882	6,79	5,30
MO®	200x2,50	2,50	12,77	10,03	1027	1,0270161	181,0	200,0	90,5	103,3	588,74	361,33	-0,011070	6,79	5,32

Materiais:			
Classe do Aço	S280GD	Tensão	Tensão
		Cedência	Rotura
		(Mpa)	(Mpa)
		280	360
Pré-Galvanizado	Z275	Massa	Espessura
		Rev.Sup.	Rev.Sup.
		(g/m²)	(u/face)
		275	20



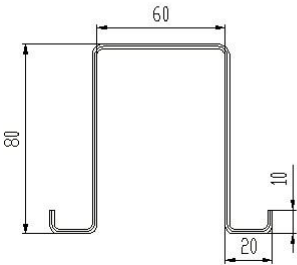


Referência	H	B	E	C	r	DII	IXX(cm4)	WXX(cm3)	IXX(cm)	IYY(cm4)	WYY(cm3)	IYY(cm)	Kg/ML
Z 140-1,5	140	50	1,5	20	3	280	145,27	22,12	5,67	67,33	7,45	3,48	3,28
Z 140-2,0	140	50	2,0	20	3	280	189,94	26,80	5,63	71,05	9,65	3,44	4,37
Z 140-2,5	140	50	2,5	20	3	280	233,46	32,95	5,60	86,31	11,77	3,41	5,46
Z 170-1,5	170	50	1,5	20	5	310	257,32	29,14	7,09	58,45	7,48	3,24	3,63
Z 170-2,0	170	50	2,0	20	5	310	339,85	37,34	7,07	71,07	9,64	3,23	4,84
Z 170-2,5	170	50	2,5	20	5	310	418,61	46,01	7,05	86,33	11,74	3,20	6,05
Z 200-1,5	200	60	1,5	20	5	360	348,25	34,25	7,79	59,63	7,51	3,17	4,22
Z 200-2,0	200	60	2,0	20	5	360	434,78	43,02	7,77	71,08	9,63	3,14	5,62
Z 200-2,5	200	60	2,5	20	5	360	535,97	53,04	7,75	86,34	11,73	3,11	7,02
Z 240-1,5	240	60	1,5	20	5	400	417,90	41,10	9,34	71,55	9,01	3,80	4,68
Z 240-2,0	240	60	2,0	20	5	400	521,73	51,62	9,32	85,29	11,55	3,76	6,24
Z 240-2,5	240	60	2,5	20	5	400	643,16	63,64	9,30	103,60	14,07	3,73	7,8

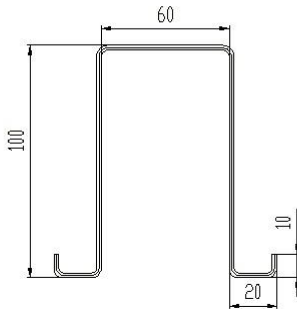


Referência	H	B	E	C	r	DII	IXX(cm4)	WXX(cm3)	IXX(cm)	IYY(cm4)	WYY(cm3)	IYY(cm)	Kg/ML
C 120-1,5	120	50	1,5	20	2,5	260	82,07	13,24	4,75	12,78	3,87	1,85	3,05
C 120-2,0	120	50	2,0	20	2,5	260	105,23	17,54	4,72	15,85	4,64	1,83	4,06
C 120-2,5	120	50	2,5	20	3	260	128,01	21,34	4,69	18,96	5,55	1,81	5,07
C 140-1,5	140	50	1,5	20	5	280	156,45	20,85	5,64	34,22	7,12	2,61	3,28
C 140-2,0	140	50	2,0	20	5	280	189,37	27,05	5,62	40,20	8,63	2,59	4,37
C 140-2,5	140	50	2,5	20	5	280	232,76	33,25	5,60	48,93	10,51	2,57	5,46
C 170-1,5	170	50	1,5	20	5	310	274,21	29,76	7,09	35,26	6,55	2,57	3,63
C 170-2,0	170	50	2,0	20	5	310	339,10	37,68	7,06	43,75	8,80	2,54	4,84
C 170-2,5	170	50	2,5	20	5	310	417,69	46,41	7,04	53,27	10,83	2,51	6,05
C 200-1,5	200	60	1,5	20	5	360	351,23	34,67	7,80	36,21	7,32	2,54	4,22
C 200-2,0	200	60	2,0	20	5	360	433,94	33,39	7,77	45,23	8,99	2,51	5,62
C 200-2,5	200	60	2,5	20	5	360	534,95	53,50	7,74	55,07	10,95	2,48	7,02

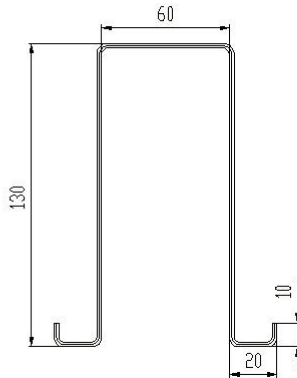
OMEGA 80



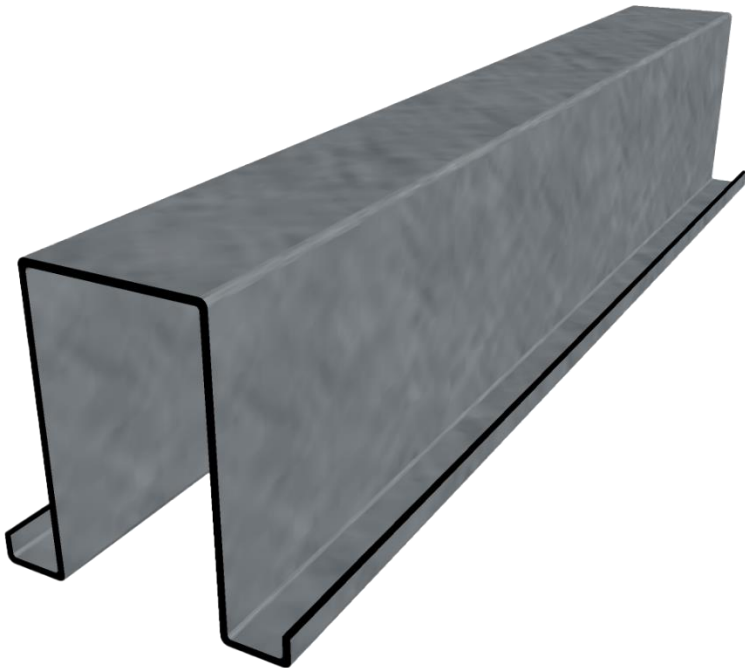
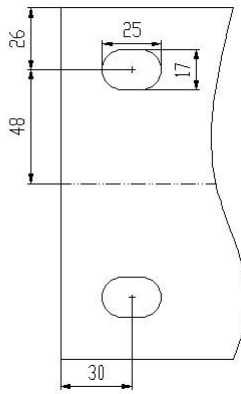
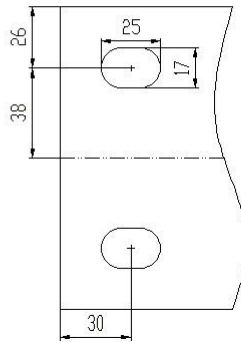
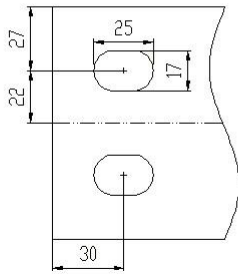
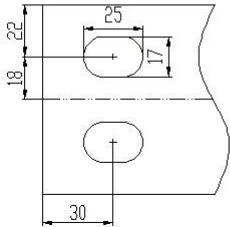
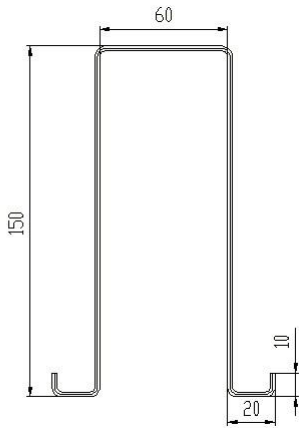
OMEGA 100



OMEGA 130



OMEGA 150





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