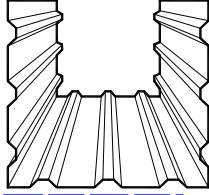


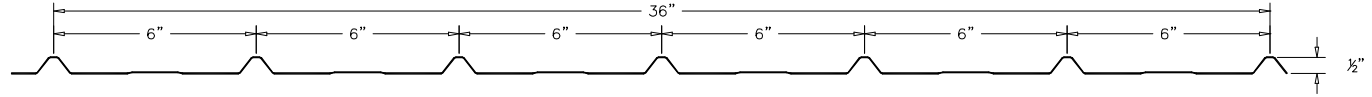
FORMA



STEEL Ltd.

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 Fax (403) 553-3896 Ph. (403) 553-3309

COMPLETE LINE OF STEEL SIDING AND ROOFING



II/6 PROFILE - NORMAL OCCUPANCY

SECTION PROPERTIES (PER FOOT OF WIDTH)

IMPERIAL	Gauge	Coated Steel Thickness (G90) (in.)	Coated Weight (psf)	Sec. Modulus		Deflection Moment of Inertia (in. ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
				(in. ³)	(in. ³)					
	28 (80 ksi)	0.0175	0.76	0.0100	0.0087	0.00441	79.8	20.0	137	23.3
	26 (80 ksi)	0.0205	0.89	0.0118	0.0105	0.00522	116	28.9	202	34.3
	26 (33 ksi)	0.0205	0.89	0.0118	0.0110	0.00522	64.1	16.0	112	19.1
	24 (33 ksi)	0.0255	1.11	0.0148	0.0140	0.00656	106	26.4	188	32.0

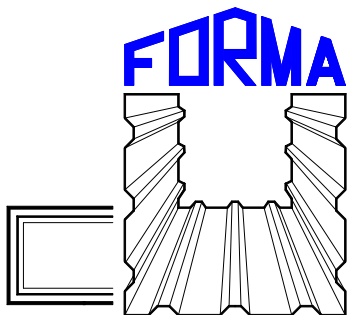
MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (PSF)

SPAN LENGTH (in.)	Yield	1-SPAN Gauge				2-SPAN Gauge				3-SPAN Gauge			
		28	26	26	24	28	26	26	24	28	26	26	24
		80 ksi	80 ksi	33 ksi	33 ksi	80 ksi	80 ksi	33 ksi	33 ksi	80 ksi	80 ksi	33 ksi	33 ksi
12	S	239	282	156	195	208	251	145	185	260	314	181	232
	D	385	455	455	573	923	1093	1093	1375	727	861	861	1082
16	S	134	158	88	110	117	141	81	104	146	176	102	130
	D	162	192	192	242	389	461	461	580	307	363	363	457
20	S	86	101	56	70	75	90	52	67	94	113	65	83
	D	83	98	98	124	199	236	236	297	157	186	186	234
24	S	60	70	39	49	52	63	36	46	65	78	45	58
	D	48	57	57	72	115	137	137	172	91	108	108	135
30	S	38	45	25	31	33	40	23	30	42	50	29	37
	D	25	29	29	37	59	70	70	88	47	55	55	69
36	S	27	31	17	22	23	28	16	21	29	35	20	26
	D	14	17	17	21	34	40	40	51	27	32	32	40
42	S	19	23	13	16	17	20	12	15	21	26	15	19
	D	9	11	11	13	22	25	25	32	17	20	20	25
48	S	15	18	10	12	13	16	9	12	16	20	11	14
	D	6	7	7	9	14	17	17	21	11	13	13	17
54	S	12	14	8	10	10	12	7	9	13	15	9	11
	D	4	5	5	6	10	12	12	15	8	9	9	12
60	S	10	11	6	8	8	10	6	7	10	13	7	9
	D	3	4	4	5	7	9	9	11	6	7	7	9
72	S	7	8	4	5	6	7	4	5	7	9	5	6
	D	2	2	2	3	4	5	5	6	3	4	4	5

Notes:

- 1 Based on ASTM A 653 structural steel.
- 2 Values in row "S" are based on strength.
- 3 Values in row "D" are based on deflection of 1/180th span.
- 4 Web crippling not included in strength calculations. See Example.

Limit States Design principles were used in accordance with CSA Standard S136-01



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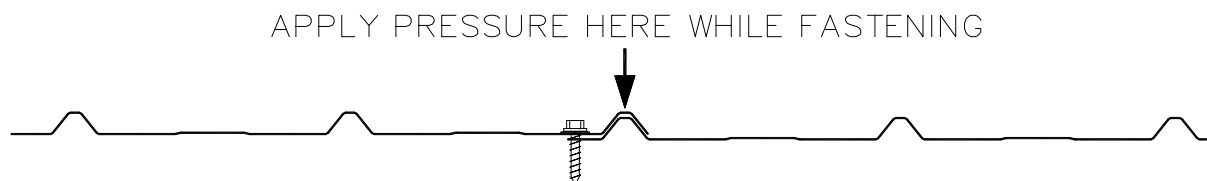
COMPLETE LINE OF STEEL SIDING AND ROOFING

STEEL Ltd.

II/6 PROFILE - INSTALLATION INSTRUCTIONS

Forma II/6 metal sheeting profile may be installed horizontally or vertically on building sidewalls or ceilings. Special attention must be given as to how the sheets are overlapped, as seen in diagram A. First overlap the panels. Next while applying pressure, fasten the overlapping side. Fasten the remainder of the sheet towards the under lap side. When the correct pressure is used, all the joints will be inconspicuous and water tight.

SIDE OVERLAP DETAIL A:



With exterior wall applications, start installing at the end of the building opposite the direction of the prevailing wind. With horizontal wall applications, start installing the metal at ground level and work up. On walls the girt spacing to which the metal is being applied should be no more than 24" o.c.

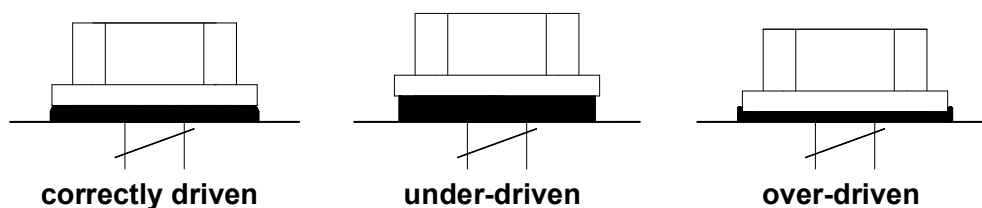
II/6 profile sheets should be no longer than 20' to minimize the possibility of damage while transporting. This length is also easier to handle during installation. In situations where longer lengths are required, the ends will be overlapped.

To further moisture proof the building, a recommended sealing tape or caulking may be installed on all overlapping edges. Side edge overlaps should be caulked at the top of the rib, while end overlaps should be caulked at the ends of both the top and bottom sheet.

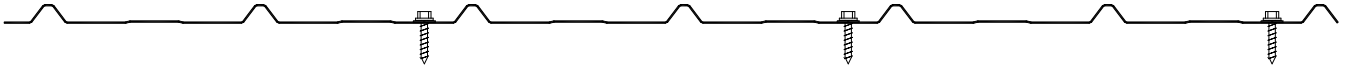
FASTENERS:

Screw fasteners of 1 1/2" to 2" length are placed beside every second high rib on the width of the sheet and at each grid or purlin as per diagram B. End overlaps require placement of screws beside every high rib. Screws should be installed to firmly hold the cladding, but must not be overdriven as this will cause the washers to squeeze out or dent the cladding. To estimate the quantity of screw fasteners required, estimate 1 screw per square foot of cladding.

Proper Installation of Fasteners



**DETAIL B:
FORMA II/6 PROFILE**



CUTTING:

Because the underside is flatter it is recommended that roofing and siding be cut from this side. A power saw, nibbler, snips or profile shear may be used. Be sure to clean metal filings from off the panels to prevent unsightly stains.

STORAGE INSTRUCTIONS:

If the panels are not going to be used immediately, they should be stored in a dry well ventilated area. If it is not possible to store the material inside, block up the panels to allow air movement around the packages. Also raise one side of the bundles to ensure positive draining, and use a good quality cover (other than plastic) anchored loosely to protect the material and still allow ventilation. Store away from aggressive substances and any other materials that could contaminate the surface of the panels.

APPLICATION PRECAUTIONS:

Metal installed with screw fasteners should be fastened onto a solid backing. Avoid installing directly over green, damp or ACQ lumber, porous insulation or other damaging materials. The use of a moisture barrier (such as Ice & Water Shield) is recommended in such situations. Strong chemicals, fertilizers, manure, some soils, and lime may cause premature deterioration. Installation near such materials is not recommended.

WARNING:

Material is slippery and has sharp edges. Use extreme caution when handling or installing. Avoid working with sheet metal products on windy days.