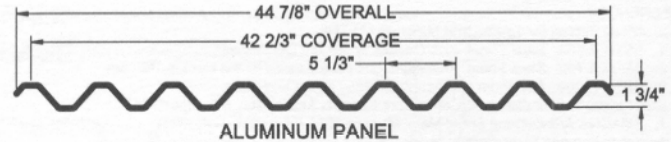
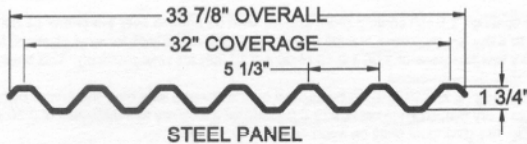


V-Beam

INDUSTRIAL-COMMERCIAL ROOFING & SIDING



Effective March 2000



MATERIAL AND THICKNESS	WT./SQ. PLAIN	WT./SQ. PAINTED	METAL SPECIFICATION	FINISH
GALVANIZED STEEL 26 ga. 24 ga. 22 ga. 20 ga. 18 ga.	115.0 lb. 146.8 lb. 178.5 lb. 210.2 lb. 273.7 lb.	116.7 lb. 148.5 lb. 180.2 lb. 211.9 lb. 275.4 lb.	Grade 40 (40 ksi yield strength) (Grade 80 (80 ksi yield strength) for 26 ga.) structural steel with G90 coating, both conforming to ASTM A 653	plain: regular spangle paint: two-coat 70% Kynar® 5000/Hylar® 5000; siliconized polyester; vinyl plastisol; 26 ga. panels have Super Alurite®; 0.5 mil two-coat polyester backer
ALUMINUM-ZINC ALLOY COATED STEEL 26 ga. 24 ga. 22 ga. 20 ga. 18 ga.	110.7 lb. 142.0 lb. 173.8 lb. 205.7 lb. 269.4 lb.	112.3 lb. 143.7 lb. 175.5 lb. 207.4 lb. 271.1 lb.	Grade 40 (40 ksi yield strength) (Grade 80 (80 ksi yield strength) for 26 ga.) structural steel with AZ50 coating, both conforming to ASTM A 792	plain: regular spangle paint: two-coat 70% Kynar® 5000/Hylar® 5000; siliconized polyester; vinyl plastisol; 26 ga. panels have Super Alurite®; 0.5 mil two-coat polyester backer
ALUMINUM .032" .040" .050"	57.4 lb. 71.7 lb. 89.6 lb.	58.6 lb. 73.0 lb. 90.9 lb.	3004-H36 or equivalent (28 ksi yield strength) aluminum alloy conforming to ASTM B 209	plain: mill finish paint: two-coat 70% Kynar® 5000/Hylar® 5000; siliconized polyester; vinyl plastisol; 0.5 mil two-coat polyester backer

GRAVITY LOAD TABLE (STEEL)

Ga.	Spans	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"
26	1 & 2	125	80	55	41	31	25	20	NR
	3	156	100	69	51	39	31	25	NR
24	1 & 2	168	107	75	55	42	33	27	22
	3	210	134	93	68	52	41	34	28
22	1 & 2	218	139	97	71	54	43	35	29
	3	272	174	121	89	68	54	43	36
20	1 & 2	260	166	115	85	65	51	42	34
	3	324	200	144	106	81	64	52	43
18	1 & 2	342	119	152	112	85	67	55	45
	3	427	273	190	139	107	84	68	56

GRAVITY LOAD TABLE (ALUMINUM)

thk.	spans	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"
.032	1	160	102	71	52	40	32	26	21
	2	148	95	66	48	37	29	24	20
	3	185	119	82	60	46	37	30	24
.040	1	221	141	98	72	55	44	35	29
	2	205	131	91	67	51	40	33	27
	3	256	164	114	84	64	51	41	34
.050	1	276	177	123	90	69	55	44	40
	2	256	164	114	84	64	51	41	37
	3	320	205	142	105	80	63	51	46

NOTES:

- The allowable loads are based on 1986 AISI and 1986 Aluminum Association specifications.
- The allowable loads are based on stress only.
- The allowable loads may be increased by 1/3 for wind loading.
- The use of V-Beam panels on roof pitches less than 2:12 (9°) is not recommended.
- The maximum recommended individual roof panel length is 16' for aluminum panels and 32' for steel panels due to thermal movement consideration.

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 Lancaster, PA (800) 477-2741
 Gridley, IL (800) 451-3974
 Idabel, OK (800) 926-8509
 Cedar City, UT (800) 432-2725
 Rathdrum, ID (888) 470-0013
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