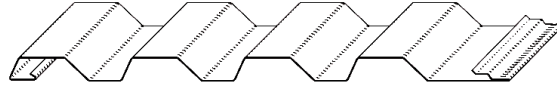


Engineering Technical Bulletin

May 2009

LOAD TABLES
STEEL
ASTM A653
SS 50
16" COVERAGE

RMP - RIGIDIZED



L/180 Deflection Criteria

RIGID WALL PANEL : SECTION PROPERTIES/FT.							
Panel Width	Panel Gauge	(+) I (IN. ⁴)	(+) S (IN. ³)	(+) I (eff) (IN. ⁴)	(-) I (IN. ⁴)	(-) S (IN. ³)	(-) I (eff) (IN. ⁴)
16"	24 ga.	0.040	0.081	0.040	0.041	0.090	0.040
	22 ga.	0.054	0.112	0.054	0.054	0.120	0.054

(+/-) Allowable Wind Pressure- PSF															
PANEL WIDTH	PANEL GAUGE	No. of Spans	Span in Feet												
			2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
16"	24	1	437	224	129	82	55	38	28	21	16	13	10	8	7
		2	540	346	240	176	132	92	67	51	39	31	25	20	16
		3	675	432	260	164	110	77	56	42	33	26	20	17	14
	22	1	590	302	175	110	74	52	38	28	22	17	14	11	9
		2	747	478	332	244	178	125	91	68	53	41	33	27	22
		3	933	597	351	221	148	104	76	57	44	35	28	22	19

- Notes:
1. Allowable flexural stresses increased by 1/3 for wind loading.
 2. Deflection limit is L/180.
 3. These values do not include fastener considerations.
 4. Values are "worst case" load direction and consider both positive (inward) and negative (outward) wind pressures.
 5. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use only by those qualified to assess these effects.