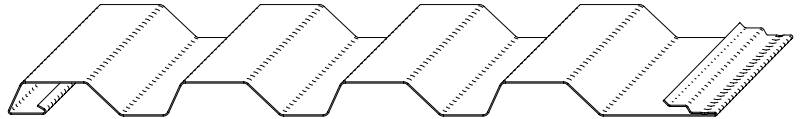


LOAD TABLES
STEEL
ASTM A653
SS 50
16" COVERAGE

RIGID WALL

MFR160



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)
12" (MFR 120)	24 ga.	0.042	0.083	0.042	0.042	0.094	0.042
	22 ga.	0.056	0.113	0.055	0.055	0.127	0.055
	20 ga.	0.07	0.146	0.069	0.068	0.156	0.068
	18 ga.	0.099	0.210	0.097	0.093	0.205	0.094
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
	20 ga.	0.067	0.143	0.066	0.066	0.148	0.066
	18 ga.	0.095	0.205	0.093	0.089	0.198	0.090

		(±) 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	
12" (MFR 120)	24	1	459	235	136	86	57	40	29	22	17	13	11	9	7	
		2	553	354	246	181	138	97	71	53	41	32	26	21	17	
		3	692	443	273	172	115	81	59	44	34	27	22	17	14	
	22	1	601	308	178	112	75	53	38	29	22	18	14	11	9	
		2	753	482	335	246	181	127	93	70	54	42	34	27	23	
		3	942	603	358	225	151	106	77	58	45	35	28	23	19	
	20	1	743	380	220	139	93	65	48	36	28	22	17	14	12	
		2	973	623	433	318	224	157	115	86	66	52	42	34	28	
		3	1217	764	442	278	187	131	96	72	55	43	35	28	23	
	18	1	1016	520	301	190	127	89	65	49	38	30	24	19	16	
		2	1367	875	607	446	319	224	163	123	95	74	60	48	40	
		3	1708	1090	631	397	266	187	136	102	79	62	50	40	33	
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	
	20	1	721	369	214	135	90	63	46	35	27	21	17	14	11	
		2	953	610	424	311	217	152	111	84	64	51	41	33	27	
		3	1192	742	429	270	181	127	93	70	54	42	34	27	23	
	18	1	972	498	288	181	122	85	62	47	36	28	23	18	16	
		2	1320	845	587	431	306	215	157	118	91	71	57	46	38	
		3	1650	1045	605	381	255	179	131	98	76	59	48	39	32	

- 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.
 6. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.