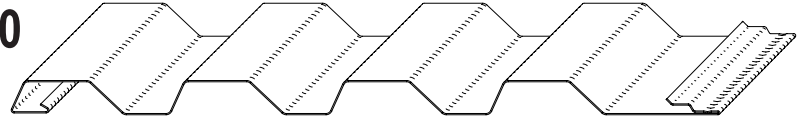


Rigid Wall MFR160



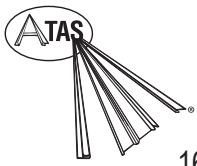
.032 POSITIVE BENDING			FTY=17KSI NEGATIVE BENDING		
Yt=	0.39308 in		Yt=	0.39308 in	
Yb=	0.46492 in		Yb=	0.46492 in	
St=	0.128565 in ³ /ft		St=	0.128565 in ³ /ft	
Sb=	0.108699 in ³ /ft		Sb=	0.108699 in ³ /ft	
I=	0.050536 in ⁴ /ft		I=	0.050536 in ⁴ /ft	
Ma ⁺ =	0.121 ft-k/ft		Ma ⁺ =	0.144 ft-k/ft	
Ma ⁻ =	0.071 ft-k/ft		Ma ⁻ =	0.073 ft-k/ft	
P _{c,int}	= 499 lb/ft		P _{c,int}	= 499 lb/ft	
P _{c,end}	= 243 lb/ft		P _{c,end}	= 243 lb/ft	

.040 POSITIVE BENDING			FTY=17KSI NEGATIVE BENDING		
Yt=	0.39320 in		Yt=	0.39320 in	
Yb=	0.46480 in		Yb=	0.46480 in	
St=	0.163467 in ³ /ft		St=	0.163467 in ³ /ft	
Sb=	0.138283 in ³ /ft		Sb=	0.138283 in ³ /ft	
I=	0.064275 in ⁴ /ft		I=	0.064275 in ⁴ /ft	
Ma ⁺ =	0.154 ft-k/ft		Ma ⁺ =	0.183 ft-k/ft	
Ma ⁻ =	0.103 ft-k/ft		Ma ⁻ =	0.098 ft-k/ft	
P _{c,int}	= 800 lb/ft		P _{c,int}	= 800 lb/ft	
P _{c,end}	= 390 lb/ft		P _{c,end}	= 390 lb/ft	

Inward and Outward Pressure									
Load (psf)	Δ ≤ L/240			Δ ≤ L/180			Δ ≤ L/120		
	Single Span	Double Span	Three Span	Single Span	Double Span	Three Span	Single Span	Double Span	Three Span
10	*4'-10"	*6'-5"	*5'-11"	*5'-3"	*7'-1"	*6'-6"	*6'-1"	7'-3"	*7'-6"
15	*4'-2"	*5'-7"	*5'-2"	*4'-7"	5'-11"	*5'-9"	*5'-3"	5'-11"	*6'-6"
20	*3'-10"	5'-1"	*4'-8"	*4'-2"	5'-1"	*5'-2"	*4'-10"	5'-1"	5'-8"
25	*3'-6"	4'-6"	*4'-4"	*3'-11"	4'-6"	*4'-10"	*4'-5"	4'-6"	5'-0"
30	*3'-4"	4'-1"	*4'-1"	*3'-8"	4'-1"	*4'-6"	*4'-2"	4'-1"	4'-6"
35	*3'-2"	3'-9"	*3'-11"	*3'-6"	3'-9"	4'-2"	4'-0"	3'-9"	4'-2"
40	*3'-0"	3'-5"	*3'-9"	*3'-4"	3'-5"	3'-10"	3'-9"	3'-5"	3'-10"
45	*2'-11"	3'-3"	3'-7"	*3'-2"	3'-3"	3'-7"	3'-6"	3'-3"	3'-7"
50	*2'-9"	3'-0"	3'-5"	*3'-1"	3'-0"	3'-5"	3'-4"	3'-0"	3'-5"
55	*2'-8"	2'-10"	3'-3"	*3'-0"	2'-10"	3'-3"	3'-2"	2'-10"	3'-3"
60	*2'-7"	2'-9"	3'-1"	*2'-11"	2'-9"	3'-1"	3'-0"	2'-9"	3'-1"
65	*2'-7"	2'-7"	2'-11"	*2'-10"	2'-7"	2'-11"	2'-11"	2'-7"	2'-11"
70	*2'-6"	2'-6"	2'-10"	*2'-9"	2'-6"	2'-10"	2'-10"	2'-6"	2'-10"
75	*2'-5"	2'-5"	2'-8"	*2'-8"	2'-5"	2'-8"	2'-9"	2'-5"	2'-8"
80	*2'-5"	2'-4"	2'-7"	2'-7"	2'-4"	2'-7"	2'-7"	2'-4"	2'-7"
85	*2'-4"	2'-2"	2'-6"	2'-7"	2'-3"	2'-6"	2'-7"	2'-3"	2'-6"
90	*2'-3"	2'-2"	2'-5"	2'-6"	2'-2"	2'-5"	2'-6"	2'-2"	2'-5"
95	*2'-3"	2'-1"	2'-4"	2'-5"	2'-1"	2'-4"	2'-5"	2'-1"	2'-4"
100	*2'-2"	2'-0"	2'-3"	2'-4"	2'-0"	2'-3"	2'-4"	2'-0"	2'-3"

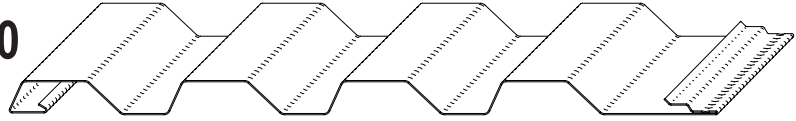
Inward and Outward Pressure									
Load (psf)	Δ ≤ L/240			Δ ≤ L/180			Δ ≤ L/120		
	Single Span	Double Span	Three Span	Single Span	Double Span	Three Span	Single Span	Double Span	Three Span
10	*5'-2"	*7'-0"	*6'-5"	*5'-9"	*7'-8"	*7'-1"	*6'-7"	8'-8"	*8'-2"
15	*4'-6"	*6'-1"	*5'-7"	*5'-0"	*6'-9"	*6'-2"	*5'-9"	7'-0"	*7'-1"
20	*4'-1"	*5'-6"	*5'-1"	*4'-6"	6'-0"	*5'-7"	*5'-2"	6'-0"	*6'-5"
25	*3'-10"	*5'-2"	*4'-9"	*4'-3"	5'-4"	*5'-3"	*4'-10"	5'-4"	6'-0"
30	*3'-7"	*4'-10"	*4'-5"	*4'-0"	4'-10"	*4'-11"	*4'-6"	4'-10"	5'-6"
35	*3'-5"	4'-6"	*4'-3"	*3'-9"	4'-6"	*4'-8"	*4'-4"	4'-6"	5'-0"
40	*3'-3"	4'-2"	*4'-1"	*3'-7"	4'-2"	*4'-5"	*4'-1"	4'-2"	4'-8"
45	*3'-2"	3'-11"	*3'-11"	*3'-5"	3'-11"	*4'-3"	*4'-0"	3'-11"	4'-5"
50	*3'-0"	3'-8"	*3'-9"	*3'-4"	3'-8"	4'-2"	*3'-10"	3'-8"	4'-2"
55	*2'-11"	3'-6"	*3'-8"	*3'-3"	3'-6"	3'-11"	*3'-8"	3'-6"	3'-11"
60	*2'-10"	3'-4"	*3'-6"	*3'-2"	3'-4"	3'-9"	*3'-7"	3'-4"	3'-9"
65	*2'-9"	3'-2"	*3'-5"	*3'-1"	3'-2"	3'-7"	3'-6"	3'-2"	3'-7"
70	*2'-8"	3'-1"	*3'-4"	*3'-0"	3'-1"	3'-5"	3'-5"	3'-1"	3'-5"
75	*2'-8"	2'-11"	*3'-3"	*2'-11"	2'-11"	3'-4"	3'-3"	2'-11"	3'-4"
80	*2'-7"	2'-10"	3'-2"	*2'-10"	2'-10"	3'-2"	3'-2"	2'-10"	3'-2"
85	*2'-6"	2'-9"	3'-1"	*2'-9"	2'-9"	3'-1"	3'-1"	2'-9"	3'-1"
90	*2'-6"	2'-8"	3'-0"	*2'-9"	2'-8"	3'-0"	3'-0"	2'-8"	3'-0"
95	*2'-5"	2'-7"	2'-11"	*2'-8"	2'-7"	2'-11"	2'-11"	2'-7"	2'-11"
100	*2'-5"	2'-6"	2'-10"	*2'-8"	2'-6"	2'-10"	2'-10"	2'-6"	2'-10"

- Notes:
1. Minimum 1.5" bearing assumed.
 2. Connection of panel to supporting structure not investigated.
 3. Design thickness assumed 0.002" less than nominal thickness.
 4. Span lengths indicated by * are controlled by deflection.
 5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
 6. 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.



LOAD TABLES
ALUMINUM
ASTM B209
3003-H14
16" COVERAGE

Rigid Wall MFR160



.050		FTY=17KSI	
POSITIVE BENDING		NEGATIVE BENDING	
Yt=	0.39334 in	Yt=	0.39334 in
Yb=	0.46466 in	Yb=	0.46466 in
St=	0.207448 in ³ /ft	St=	0.207448 in ³ /ft
Sb=	0.175604 in ³ /ft	Sb=	0.175604 in ³ /ft
I=	0.081597 in ⁴ /ft	I=	0.081597 in ⁴ /ft
Ma ⁺ =	0.196 ft-k/ft	Ma ⁺ =	0.232 ft-k/ft
Ma ⁻ =	0.144 ft-k/ft	Ma ⁻ =	0.124 ft-k/ft
P _{c,int} =	1277 lb/ft	P _{c,int} =	1277 lb/ft
P _{c,end} =	622 lb/ft	P _{c,end} =	622 lb/ft

Inward and Outward Pressure									
Load (psf)	$\Delta \leq L/240$			$\Delta \leq L/180$			$\Delta \leq L/120$		
	Single Span	Double Span	Three Span	Single Span	Double Span	Three Span	Single Span	Double Span	Three Span
10	*5'-8"	*7'-7"	*7'-0"	*6'-3"	*8'-4"	*7'-8"	*7'-1"	*9'-7"	*8'-10"
15	*4'-11"	*6'-7"	*6'-1"	*5'-5"	*7'-3"	*6'-8"	*6'-3"	8'-0"	*7'-8"
20	*4'-6"	*6'-0"	*5'-6"	*4'-11"	*6'-7"	*6'-1"	*5'-8"	6'-10"	*7'-0"
25	*4'-2"	*5'-7"	*5'-2"	*4'-7"	6'-2"	*5'-8"	*5'-3"	6'-2"	*6'-6"
30	*3'-11"	*5'-3"	*4'-10"	*4'-4"	5'-7"	*5'-4"	*4'-11"	5'-7"	*6'-1"
35	*3'-8"	*5'-0"	*4'-7"	*4'-1"	5'-2"	*5'-1"	*4'-8"	5'-2"	5'-9"
40	*3'-6"	*4'-9"	*4'-5"	*3'-11"	4'-10"	*4'-10"	*4'-6"	4'-10"	5'-4"
45	*3'-5"	4'-6"	*4'-3"	*3'-9"	4'-6"	*4'-8"	*4'-4"	4'-6"	5'-1"
50	*3'-3"	4'-3"	*4'-1"	*3'-7"	4'-3"	*4'-6"	*4'-2"	4'-3"	4'-9"
55	*3'-2"	4'-1"	*3'-11"	*3'-6"	4'-1"	*4'-4"	*4'-0"	4'-1"	4'-6"
60	*3'-1"	3'-10"	*3'-10"	*3'-5"	3'-10"	*4'-3"	*3'-11"	3'-10"	4'-4"
65	*3'-0"	3'-8"	*3'-9"	*3'-4"	3'-8"	*4'-1"	*3'-10"	3'-8"	4'-2"
70	*2'-11"	3'-7"	*3'-8"	*3'-3"	3'-7"	4'-0"	*3'-8"	3'-7"	4'-0"
75	*2'-10"	3'-5"	*3'-7"	*3'-2"	3'-5"	3'-10"	*3'-7"	3'-7"	3'-10"
80	*2'-10"	3'-4"	*3'-6"	*3'-1"	3'-4"	3'-9"	*3'-6"	3'-4"	3'-9"
85	*2'-9"	3'-2"	*3'-5"	*3'-0"	3'-2"	3'-7"	*3'-6"	3'-2"	3'-7"
90	*2'-8"	3'-1"	*3'-4"	*3'-0"	3'-1"	3'-6"	*3'-5"	3'-1"	3'-6"
95	*2'-8"	3'-0"	*3'-3"	*2'-11"	3'-0"	3'-5"	*3'-4"	3'-0"	3'-5"
100	*2'-7"	2'-11"	*3'-3"	*2'-10"	2'-11"	3'-3"	*3'-3"	2'-11"	3'-3"

- Notes:
1. Minimum 1.5" bearing assumed.
 2. Connection of panel to supporting structure not investigated.
 3. Design thickness assumed 0.002" less than nominal thickness.
 4. Span lengths indicated by * are controlled by deflection.
 5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
 6. 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.
 7. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.