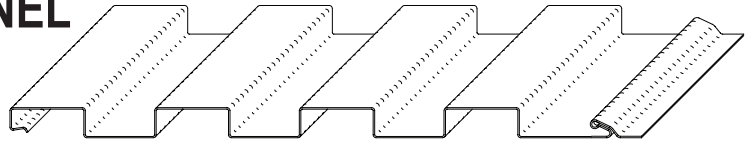


LOAD TABLES

ALUMINUM
ASTM B209
3003-H16

12" COVERAGE

METAFOR WALL PANEL MFP120



L/60 MAXIMUM DEFLECTION CRITERIA GAUGE .032							L/120 MAXIMUM DEFLECTION CRITERIA GAUGE .032						
AREA: 0.51216 in ² /ft.			Sb: 0.11112 in ³ /ft.				AREA: 0.51216 in ² /ft.			Sb: 0.11112 in ³ /ft.			
Yb: 0.26321 in.			St: 0.10983 in ³ /ft.				Yb: 0.26321 in.			St: 0.10983 in ³ /ft.			
Yt: 0.26629 in.			l: 0.02925 in ⁴ /ft.				Yt: 0.26629 in.			l: 0.02925 in ⁴ /ft.			
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	6'- 4"	* 7'- 6"	7'- 10"	6'- 4"	* 7'- 5"	7'- 10"	10	* 7'- 5"	* 7'- 6"	* 8'- 5"	* 7'- 6"	* 7'- 5"	* 8'- 4"
15	5'- 6"	* 6'- 1"	* 6'- 10"	5'- 6"	* 6'- 1"	* 6'- 10"	15	* 6'- 1"	* 6'- 1"	* 6'- 10"	* 6'- 1"	* 6'- 1"	* 6'- 10"
20	5'- 0"	* 5'- 3"	* 5'- 11"	5'- 0"	* 5'- 3"	* 5'- 11"	20	* 5'- 3"	* 5'- 3"	* 5'- 11"	* 5'- 3"	* 5'- 3"	* 5'- 11"
25	4'- 8"	* 4'- 9"	* 5'- 3"	4'- 8"	* 4'- 8"	* 5'- 3"	25	* 4'- 8"	* 4'- 9"	* 5'- 3"	* 4'- 9"	* 4'- 8"	* 5'- 3"
30	* 4'- 3"	* 4'- 4"	* 4'- 10"	* 4'- 4"	* 4'- 3"	* 4'- 10"	30	* 4'- 3"	* 4'- 4"	* 4'- 10"	* 4'- 4"	* 4'- 3"	* 4'- 10"
35	* 4'- 0"	* 4'- 0"	* 4'- 6"	* 4'- 0"	* 4'- 0"	* 4'- 5"	35	* 4'- 0"	* 4'- 0"	* 4'- 6"	* 4'- 0"	* 4'- 0"	* 4'- 5"
40	* 3'- 8"	* 3'- 9"	* 4'- 2"	* 3'- 9"	* 3'- 8"	* 4'- 2"	40	* 3'- 8"	* 3'- 9"	* 4'- 2"	* 3'- 9"	* 3'- 8"	* 4'- 2"
45	* 3'- 6"	* 3'- 6"	* 3'- 11"	* 3'- 6"	* 3'- 6"	* 3'- 11"	45	* 3'- 6"	* 3'- 6"	* 3'- 11"	* 3'- 6"	* 3'- 6"	* 3'- 11"
50	* 3'- 4"	* 3'- 4"	* 3'- 9"	* 3'- 4"	* 3'- 4"	* 3'- 8"	50	* 3'- 4"	* 3'- 4"	* 3'- 9"	* 3'- 4"	* 3'- 4"	* 3'- 8"
55	* 3'- 2"	* 3'- 2"	* 3'- 7"	* 3'- 2"	* 3'- 2"	* 3'- 6"	55	* 3'- 2"	* 3'- 2"	* 3'- 7"	* 3'- 2"	* 3'- 2"	* 3'- 6"
60	* 3'- 0"	* 3'- 0"	* 3'- 5"	* 3'- 0"	* 3'- 0"	* 3'- 5"	60	* 3'- 0"	* 3'- 0"	* 3'- 5"	* 3'- 0"	* 3'- 0"	* 3'- 5"
65	* 2'- 11"	* 2'- 11"	* 3'- 3"	* 2'- 11"	* 2'- 11"	* 3'- 3"	65	* 2'- 11"	* 2'- 11"	* 3'- 3"	* 2'- 11"	* 2'- 11"	* 3'- 3"
70	* 2'- 10"	* 2'- 10"	* 3'- 2"	* 2'- 10"	* 2'- 10"	* 3'- 2"	70	* 2'- 10"	* 2'- 10"	* 3'- 2"	* 2'- 10"	* 2'- 10"	* 3'- 2"
L/60 MAXIMUM DEFLECTION CRITERIA GAUGE .040							L/120 MAXIMUM DEFLECTION CRITERIA GAUGE .040						
AREA: 0.64156 in ² /ft.			Sb: 0.13734 in ³ /ft.				AREA: 0.64156 in ² /ft.			Sb: 0.13734 in ³ /ft.			
Yb: 0.25929 in.			St: 0.13581 in ³ /ft.				Yb: 0.25929 in.			St: 0.13581 in ³ /ft.			
Yt: 0.26221 in.			l: 0.03561 in ⁴ /ft.				Yt: 0.26221 in.			l: 0.03561 in ⁴ /ft.			
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	6'- 9"	* 9'- 1"	8'- 5"	6'- 9"	* 9'- 1"	8'- 5"	10	5'- 4"	7'- 2"	6'- 8"	5'- 4"	7'- 2"	6'- 8"
15	5'- 11"	* 7'- 5"	7'- 4"	5'- 11"	* 7'- 5"	7'- 4"	15	4'- 8"	6'- 3"	5'- 10"	4'- 8"	6'- 3"	5'- 10"
20	5'- 4"	* 6'- 5"	6'- 8"	5'- 4"	* 6'- 5"	6'- 8"	20	4'- 3"	5'- 9"	5'- 3"	4'- 3"	5'- 9"	5'- 3"
25	5'- 0"	* 5'- 9"	6'- 2"	5'- 0"	* 5'- 9"	6'- 2"	25	3'- 11"	5'- 4"	4'- 11"	3'- 11"	5'- 4"	4'- 11"
30	4'- 8"	* 5'- 3"	5'- 10"	4'- 8"	* 5'- 3"	5'- 10"	30	3'- 9"	5'- 0"	4'- 7"	3'- 9"	5'- 0"	4'- 7"
35	4'- 5"	* 4'- 10"	* 5'- 5"	4'- 5"	* 4'- 10"	* 5'- 5"	35	3'- 6"	4'- 9"	4'- 4"	3'- 6"	4'- 9"	4'- 4"
40	4'- 3"	* 4'- 6"	* 5'- 1"	4'- 3"	* 4'- 6"	* 5'- 1"	40	3'- 4"	4'- 6"	4'- 2"	3'- 4"	* 4'- 6"	4'- 2"
45	4'- 1"	* 4'- 3"	* 4'- 9"	4'- 1"	* 4'- 3"	* 4'- 9"	45	3'- 3"	* 4'- 3"	4'- 0"	3'- 3"	* 4'- 3"	4'- 0"
50	3'- 11"	* 4'- 1"	* 4'- 6"	3'- 11"	* 4'- 0"	* 4'- 6"	50	3'- 1"	* 4'- 1"	3'- 10"	3'- 1"	* 4'- 0"	3'- 10"
55	3'- 10"	* 3'- 10"	* 4'- 4"	3'- 10"	* 3'- 10"	* 4'- 4"	55	3'- 0"	* 3'- 10"	3'- 9"	3'- 0"	* 3'- 10"	3'- 9"
60	* 3'- 8"	* 3'- 8"	* 4'- 2"	* 3'- 8"	* 3'- 8"	* 4'- 1"	60	2'- 11"	* 3'- 8"	3'- 8"	2'- 11"	* 3'- 8"	3'- 8"
65	* 3'- 6"	* 3'- 7"	* 4'- 0"	* 3'- 7"	* 3'- 6"	* 3'- 11"	65	2'- 10"	* 3'- 7"	3'- 6"	2'- 10"	* 3'- 6"	3'- 6"
70	* 3'- 5"	* 3'- 5"	* 3'- 10"	* 3'- 5"	* 3'- 5"	* 3'- 10"	70	2'- 9"	* 3'- 5"	3'- 5"	2'- 9"	* 3'- 5"	3'- 5"
L/60 MAXIMUM DEFLECTION CRITERIA GAUGE .050							L/120 MAXIMUM DEFLECTION CRITERIA GAUGE .050						
AREA: 0.80044 in ² /ft.			Sb: 0.16849 in ³ /ft.				AREA: 0.80044 in ² /ft.			Sb: 0.16849 in ³ /ft.			
Yb: 0.25440 in.			St: 0.16672 in ³ /ft.				Yb: 0.25440 in.			St: 0.16672 in ³ /ft.			
Yt: 0.25710 in.			l: 0.04286 in ⁴ /ft.				Yt: 0.25710 in.			l: 0.04286 in ⁴ /ft.			
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	7'- 2"	9'- 8"	8'- 11"	7'- 2"	9'- 8"	8'- 11"	10	5'- 9"	7'- 8"	7'- 1"	5'- 9"	7'- 8"	7'- 1"
15	6'- 3"	8'- 5"	7'- 9"	6'- 3"	8'- 5"	7'- 9"	15	5'- 0"	6'- 8"	6'- 2"	5'- 0"	6'- 8"	6'- 2"
20	5'- 9"	* 7'- 7"	7'- 1"	5'- 9"	* 7'- 6"	7'- 1"	20	4'- 6"	6'- 1"	5'- 7"	4'- 6"	6'- 1"	5'- 7"
25	5'- 4"	* 6'- 9"	6'- 7"	5'- 4"	* 6'- 9"	6'- 7"	25	4'- 2"	5'- 8"	5'- 2"	4'- 2"	5'- 8"	5'- 2"
30	5'- 0"	* 6'- 2"	6'- 2"	5'- 0"	* 6'- 2"	6'- 2"	30	3'- 11"	5'- 4"	4'- 11"	3'- 11"	5'- 4"	4'- 11"
35	4'- 9"	* 5'- 9"	5'- 10"	4'- 9"	* 5'- 8"	5'- 10"	35	3'- 9"	5'- 0"	4'- 8"	3'- 9"	5'- 0"	4'- 8"
40	4'- 6"	* 5'- 4"	5'- 7"	4'- 6"	* 5'- 4"	5'- 7"	40	3'- 7"	4'- 10"	4'- 5"	3'- 7"	4'- 10"	4'- 5"
45	4'- 4"	* 5'- 0"	5'- 5"	4'- 4"	* 5'- 0"	5'- 5"	45	3'- 5"	4'- 8"	4'- 3"	3'- 5"	4'- 8"	4'- 3"
50	4'- 2"	* 4'- 9"	5'- 2"	4'- 2"	* 4'- 9"	5'- 2"	50	3'- 4"	4'- 6"	4'- 1"	3'- 4"	4'- 6"	4'- 1"
55	4'- 1"	* 4'- 7"	5'- 0"	4'- 1"	* 4'- 6"	5'- 0"	55	3'- 3"	4'- 4"	4'- 0"	3'- 3"	4'- 4"	4'- 0"
60	3'- 11"	* 4'- 4"	* 4'- 11"	3'- 11"	* 4'- 4"	* 4'- 10"	60	3'- 1"	4'- 2"	3'- 10"	3'- 1"	4'- 2"	3'- 10"
65	3'- 10"	* 4'- 2"	* 4'- 8"	3'- 10"	* 4'- 2"	* 4'- 8"	65	3'- 0"	4'- 1"	3'- 9"	3'- 0"	4'- 1"	3'- 9"
70	3'- 9"	* 4'- 0"	* 4'- 6"	3'- 9"	* 4'- 0"	* 4'- 6"	70	3'- 0"	4'- 0"	3'- 8"	3'- 0"	4'- 0"	3'- 8"

- Notes:
- *Indicates that maximum span length is controlled by stress.
 - All loads are applied perpendicular to surface of panel.
 - All computations have been made in accordance with the Aluminum Association's Specifications for Aluminum Structures.
 - 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.
 - Spans for nominal 0.032", 0.040" and 0.050" aluminum were determined at an actual thickness of 0.0305", 0.0385" and 0.0485", respectively.