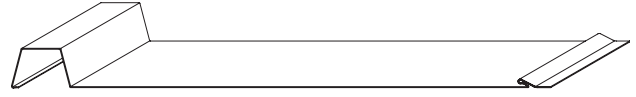


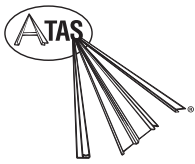
LOAD TABLES
STEEL
ASTM A653
SS 40
16" COVERAGE

MULTI-PURPOSE PANEL MPW160



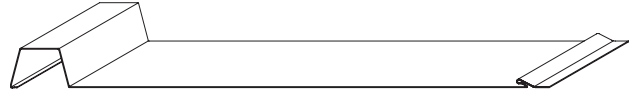
L/180 DEFLECTION CRITERIA							L/240 DEFLECTION CRITERIA						
.021							.021						
FY=40KSI							FY=40KSI						
POSITIVE BENDING			NEGATIVE BENDING				POSITIVE BENDING			NEGATIVE BENDING			
Yt= 1.095 in.			Yt= 0.492 in.				Yt= 1.095 in.			Yt= 0.492 in.			
S= 0.033 cubic in./ft. (bend.)			S= 0.019 cubic in./ft. (bend.)				S= 0.033 cubic in./ft. (bend.)			S= 0.019 cubic in./ft. (bend.)			
I= 0.040 in. ⁴ /ft. (defl.)			I= 0.015 in. ⁴ /ft. (defl.)				I= 0.040 in. ⁴ /ft. (defl.)			I= 0.015 in. ⁴ /ft. (defl.)			
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'- 0"	5'- 5"	6'- 1"	* 5'- 0"	* 6'- 9"	* 6'- 3"	10	* 6'- 4"	5'- 5"	6'- 1"	* 4'- 7"	* 6'- 2"	* 5'- 8"
15	5'- 11"	4'- 5"	5'- 0"	* 4'- 5"	5'- 11"	5'- 5"	15	* 5'- 6"	4'- 5"	5'- 0"	* 4'- 0"	* 5'- 4"	* 4'- 11"
20	5'- 1"	3'- 10"	4'- 3"	3'- 10"	5'- 1"	4'- 8"	20	* 5'- 0"	3'- 10"	4'- 3"	* 3'- 7"	* 4'- 10"	* 4'- 6"
25	4'- 7"	3'- 5"	3'- 10"	3'- 5"	4'- 7"	4'- 2"	25	4'- 7"	3'- 5"	3'- 10"	* 3'- 4"	* 4'- 6"	* 4'- 2"
30	4'- 2"	3'- 1"	3'- 6"	3'- 1"	4'- 2"	3'- 10"	30	4'- 2"	3'- 1"	3'- 6"	3'- 1"	4'- 2"	3'- 10"
35	3'- 10"	2'- 11"	3'- 3"	2'- 11"	3'- 10"	3'- 7"	35	3'- 10"	2'- 11"	3'- 3"	2'- 11"	3'- 10"	3'- 7"
40	3'- 7"	2'- 8"	3'- 0"	2'- 8"	3'- 7"	3'- 4"	40	3'- 7"	2'- 8"	3'- 0"	2'- 8"	3'- 7"	3'- 4"
45	3'- 5"	2'- 6"	2'- 10"	2'- 6"	3'- 5"	3'- 1"	45	3'- 5"	2'- 6"	2'- 10"	2'- 6"	3'- 5"	3'- 1"
50	3'- 2"	2'- 5"	2'- 8"	2'- 5"	3'- 2"	3'- 0"	50	3'- 2"	2'- 5"	2'- 8"	2'- 5"	3'- 2"	3'- 0"
55	3'- 1"	2'- 4"	2'- 7"	2'- 4"	3'- 1"	2'- 10"	55	3'- 1"	2'- 4"	2'- 7"	2'- 4"	3'- 1"	2'- 10"
60	2'- 11"	2'- 2"	2'- 6"	2'- 2"	2'- 11"	2'- 8"	60	2'- 11"	2'- 2"	2'- 6"	2'- 2"	2'- 11"	2'- 8"
65	2'- 10"	2'- 1"	2'- 4"	2'- 1"	2'- 10"	2'- 7"	65	2'- 10"	2'- 1"	2'- 4"	2'- 1"	2'- 10"	2'- 7"
70	2'- 8"	2'- 0"	2'- 3"	2'- 0"	2'- 8"	2'- 6"	70	2'- 8"	2'- 0"	2'- 3"	2'- 0"	2'- 8"	2'- 6"

- Notes:
- * Indicates maximum span controlled by deflection.
 - All loads are applied perpendicular to surface of panel.
 - No increase for wind loading has been assumed.
 - 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
3003-H16
16" COVERAGE

MULTI-PURPOSE PANEL MPW160



L/120 DEFLECTION CRITERIA .032							L/120 DEFLECTION CRITERIA .040						
Yt= 1.04541 in.			Yb= 0.17409 in.				Yt= 1.03944 in.			Yb= 0.17206 in.			
St= 0.05633 cubic in./ft. (bend.)			Sb= 0.33827 cubic in./ft. (bend.)				St= 0.07023 cubic in./ft. (bend.)			Sb= 0.42428 cubic in./ft. (bend.)			
AREA= 0.41310 in.^2/ft.			I= 0.05889 in.^4/ft. (defl.)				AREA= 0.52092 in.^2/ft.			I= 0.07300 in.^4/ft. (defl.)			
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	* 5'- 10"	* 4'- 4"	* 4'- 10"	* 4'- 4"	* 5'- 9"	* 5'- 5"	10	* 6'- 10"	* 6'- 6"	* 7'- 3"	* 6'- 6"	* 6'- 11"	* 7'- 9"
15	* 4'- 9"	* 3'- 6"	* 3'- 11"	* 3'- 6"	* 4'- 8"	* 4'- 5"	15	* 5'- 7"	* 5'- 3"	* 5'- 11"	* 5'- 3"	* 5'- 7"	* 6'- 3"
20	* 4'- 1"	* 3'- 0"	* 3'- 5"	* 3'- 0"	* 4'- 1"	* 3'- 10"	20	* 4'- 10"	* 4'- 7"	* 5'- 1"	* 4'- 7"	* 4'- 10"	* 5'- 5"
25	* 3'- 8"	* 2'- 8"	* 3'- 0"	* 2'- 8"	* 3'- 7"	* 3'- 5"	25	* 4'- 4"	* 4'- 1"	* 4'- 7"	* 4'- 1"	* 4'- 4"	* 4'- 10"
30	* 3'- 4"	* 2'- 6"	* 2'- 9"	* 2'- 6"	* 3'- 4"	* 3'- 1"	30	* 4'- 0"	* 3'- 9"	* 4'- 2"	* 3'- 9"	* 4'- 0"	* 4'- 5"
35	* 3'- 1"	* 2'- 3"	* 2'- 7"	* 2'- 3"	* 3'- 1"	* 2'- 10"	35	* 3'- 8"	* 3'- 5"	* 3'- 10"	* 3'- 5"	* 3'- 8"	* 4'- 1"
40	* 2'- 11"	* 2'- 2"	* 2'- 5"	* 2'- 2"	* 2'- 10"	* 2'- 8"	40	* 3'- 5"	* 3'- 3"	* 3'- 7"	* 3'- 3"	* 3'- 5"	* 3'- 10"
45	* 2'- 9"	* 2'- 0"	* 2'- 3"	* 2'- 0"	* 2'- 8"	* 2'- 6"	45	* 3'- 3"	* 3'- 0"	* 3'- 5"	* 3'- 0"	* 3'- 3"	* 3'- 7"
50	* 2'- 7"	* 1'- 11"	* 2'- 2"	* 1'- 11"	* 2'- 7"	* 2'- 5"	50	* 3'- 1"	* 2'- 10"	* 3'- 3"	* 2'- 10"	* 3'- 1"	* 3'- 5"
55	* 2'- 5"	* 1'- 10"	* 2'- 0"	* 1'- 10"	* 2'- 5"	* 2'- 3"	55	* 2'- 11"	* 2'- 9"	* 3'- 1"	* 2'- 9"	* 2'- 11"	* 3'- 3"
60	* 2'- 4"	* 1'- 9"	* 1'- 11"	* 1'- 9"	* 2'- 4"	* 2'- 2"	60	* 2'- 9"	* 2'- 7"	* 2'- 11"	* 2'- 7"	* 2'- 9"	* 3'- 1"
65	* 2'- 3"	* 1'- 8"	* 1'- 10"	* 1'- 8"	* 2'- 3"	* 2'- 1"	65	* 2'- 8"	* 2'- 6"	* 2'- 10"	* 2'- 6"	* 2'- 8"	* 3'- 0"
70	* 2'- 2"	* 1'- 7"	* 1'- 10"	* 1'- 7"	* 2'- 2"	* 2'- 0"	70	* 2'- 7"	* 2'- 5"	* 2'- 9"	* 2'- 5"	* 2'- 7"	* 2'- 11"

- Notes:
- * Indicates maximum span controlled by stress.
 - All loads are applied perpendicular to surface of panel.
 - 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 are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.