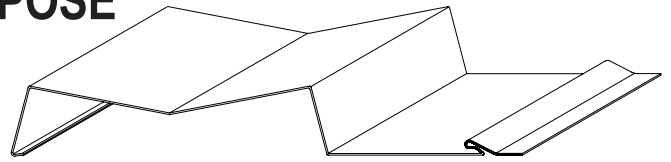


LOAD TABLES
STEEL
ASTM A653
SS 40
8" COVERAGE

MULTI-PURPOSE PANEL MPV080



L/180 DEFLECTION CRITERIA							L/240 DEFLECTION CRITERIA						
GAUGE 24				FY=40KSI			GAUGE 24				FY=40KSI		
POSITIVE BENDING				NEGATIVE BENDING			POSITIVE BENDING				NEGATIVE BENDING		
Yt= 0.703 in.				Yt= 0.421 in.			Yt= 0.703 in.				Yt= 0.409 in.		
S= 0.062 cubic in./ft. (bend.)				S= 0.035 cubic in./ft. (bend.)			S= 0.044 cubic in./ft. (bend.)				S= 0.049 cubic in./ft. (bend.)		
I= 0.047 in.^4/ft. (defl.)				I= 0.029 in.^4/ft. (defl.)			I= 0.034 in.^4/ft. (defl.)				I= 0.021 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'- 4"	7'- 5"	8'- 3"	* 6'- 3"	* 8'- 5"	* 7'- 9"	10	* 6'- 8"	7'- 5"	8'- 3"	* 5'- 8"	* 7'- 7"	* 7'- 0"
15	* 6'- 5"	6'- 0"	6'- 9"	* 5'- 5"	* 7'- 4"	* 6'- 9"	15	* 5'- 10"	6'- 0"	6'- 9"	* 4'- 11"	* 6'- 8"	* 6'- 2"
20	* 5'- 10"	5'- 3"	5'- 10"	* 4'- 11"	* 6'- 8"	* 6'- 2"	20	* 5'- 4"	5'- 3"	5'- 10"	* 4'- 6"	* 6'- 0"	* 5'- 7"
25	* 5'- 5"	4'- 8"	5'- 3"	* 4'- 7"	* 6'- 2"	* 5'- 8"	25	* 4'- 11"	4'- 8"	5'- 3"	* 4'- 2"	* 5'- 7"	* 5'- 2"
30	* 5'- 1"	4'- 3"	4'- 9"	4'- 3"	5'- 8"	5'- 3"	30	* 4'- 7"	4'- 3"	4'- 9"	* 3'- 11"	* 5'- 3"	* 4'- 10"
35	* 4'- 10"	3'- 11"	4'- 5"	3'- 11"	5'- 3"	4'- 10"	35	* 4'- 5"	3'- 11"	4'- 5"	* 3'- 9"	* 5'- 0"	* 4'- 7"
40	* 4'- 7"	3'- 8"	4'- 1"	3'- 8"	4'- 11"	4'- 6"	40	* 4'- 2"	3'- 8"	4'- 1"	* 3'- 7"	* 4'- 9"	* 4'- 5"
45	* 4'- 5"	3'- 6"	3'- 10"	3'- 6"	4'- 8"	4'- 3"	45	* 4'- 0"	3'- 6"	3'- 10"	* 3'- 5"	* 4'- 7"	* 4'- 3"
50	* 4'- 3"	3'- 3"	3'- 8"	3'- 3"	4'- 5"	4'- 0"	50	* 3'- 11"	3'- 3"	3'- 8"	3'- 3"	4'- 5"	4'- 0"
55	* 4'- 2"	3'- 2"	3'- 6"	3'- 2"	4'- 2"	3'- 10"	55	* 3'- 9"	3'- 2"	3'- 6"	3'- 2"	4'- 2"	3'- 10"
60	4'- 0"	3'- 0"	3'- 4"	3'- 0"	4'- 0"	3'- 8"	60	* 3'- 8"	3'- 0"	3'- 4"	3'- 0"	4'- 0"	3'- 8"
65	3'- 10"	2'- 10"	3'- 3"	2'- 10"	3'- 10"	3'- 6"	65	* 3'- 7"	2'- 10"	3'- 3"	2'- 10"	3'- 10"	3'- 6"
70	3'- 8"	2'- 9"	3'- 1"	2'- 9"	3'- 8"	3'- 5"	70	* 3'- 6"	2'- 9"	3'- 1"	2'- 9"	3'- 8"	3'- 5"

- 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.
 - Spans are conservative as they were based on section properties of 26 gauge steel.
 - Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.