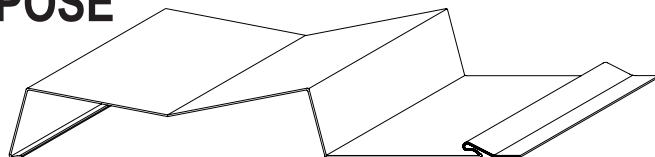


LOAD TABLES
STEEL
ASTM A653
SS 40
8" COVERAGE

MULTI-PURPOSE PANEL MPV080



| L/180 DEFLECTION CRITERIA | | | | | | | L/240 DEFLECTION CRITERIA | | | | | | |
|--------------------------------|---------------|-------------|------------|--------------------------------|-------------|------------|--------------------------------|---------------|-------------|------------|--------------------------------|-------------|------------|
| GAUGE 24 | | | | | | | GAUGE 24 | | | | | | |
| FY=40KSI | | | | | | | 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.