

MULTI PURPOSE PANELS

MPH080 8" COVERAGE **MPH125** 12" COVERAGE

MPH127 12" COVERAGE

L/180 DEFLECTION MPH080
GAUGE 24 FY=40KSI

POSITIVE BENDING
Yt= 0.733 in.
S= 0.063 cubic in/ft. (bend.)
I= 0.051 in.⁴/ft. (defl.)

NEGATIVE BENDING
Yt= 0.251 in.
S= 0.044 cubic in/ft. (bend.)
I= 0.047 in.⁴/ft. (defl.)

LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 7'- 7"	8'- 4"	9'- 3"	* 7'- 4"	* 9'- 11"	* 9'- 1"
15	* 6'- 8"	6'- 9"	7'- 7"	* 6'- 5"	8'- 2"	* 7'- 11"
20	* 6'- 0"	5'- 10"	6'- 7"	* 5'- 10"	7'- 1"	7'- 2"
25	* 5'- 7"	5'- 3"	5'- 10"	5'- 3"	6'- 4"	6'- 5"
30	* 5'- 3"	4'- 9"	5'- 4"	4'- 9"	5'- 9"	5'- 10"
35	* 5'- 0"	4'- 5"	4'- 11"	4'- 5"	4'- 5"	5'- 5"
40	* 4'- 9"	4'- 2"	4'- 7"	4'- 2"	5'- 0"	5'- 1"
45	* 4'- 7"	3'- 11"	4'- 4"	3'- 11"	4'- 8"	4'- 9"
50	* 4'- 5"	3'- 8"	4'- 2"	3'- 8"	4'- 5"	4'- 6"
55	4'- 3"	3'- 6"	3'- 11"	3'- 6"	4'- 3"	4'- 4"
60	4'- 1"	3'- 4"	3'- 9"	3'- 4"	4'- 1"	4'- 2"
65	3'- 11"	3'- 3"	3'- 7"	3'- 3"	3'- 11"	4'- 0"
70	3'- 9"	3'- 1"	3'- 6"	3'- 1"	3'- 9"	3'- 10"

L/240 DEFLECTION MPH080
GAUGE 24 FY=40KSI

POSITIVE BENDING
Yt= 0.733 in.
S= 0.063 cubic in/ft. (bend.)
I= 0.051 in.⁴/ft. (defl.)

NEGATIVE BENDING
Yt= 0.251 in.
S= 0.044 cubic in/ft. (bend.)
I= 0.047 in.⁴/ft. (defl.)

LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 11"	8'- 4"	* 8'- 6"	* 6'- 8"	* 9'- 0"	* 8'- 3"
15	* 6'- 0"	6'- 9"	* 7'- 5"	* 5'- 10"	* 7'- 10"	* 7'- 3"
20	* 5'- 6"	5'- 10"	* 5'- 4"	* 5'- 4"	7'- 1"	* 6'- 7"
25	* 5'- 1"	5'- 3"	5'- 10"	* 4'- 11"	6'- 4"	* 6'- 1"
30	* 4'- 9"	4'- 9"	5'- 4"	* 4'- 7"	5'- 9"	* 5'- 9"
35	* 4'- 6"	4'- 5"	4'- 11"	* 4'- 5"	5'- 4"	5'- 5"
40	* 4'- 4"	4'- 2"	4'- 7"	4'- 2"	5'- 0"	5'- 1"
45	* 4'- 2"	3'- 11"	4'- 4"	3'- 11"	4'- 8"	4'- 9"
50	* 4'- 0"	3'- 8"	4'- 2"	3'- 8"	4'- 5"	4'- 6"
55	* 3'- 11"	3'- 6"	3'- 11"	3'- 6"	4'- 3"	4'- 4"
60	* 3'- 9"	3'- 4"	3'- 9"	3'- 4"	4'- 1"	4'- 2"
65	* 3'- 8"	3'- 3"	3'- 7"	3'- 3"	3'- 11"	4'- 0"
70	* 3'- 7"	3'- 1"	3'- 6"	3'- 1"	3'- 9"	3'- 10"

L/180 DEFLECTION MPH125
GAUGE 24 FY=40KSI

POSITIVE BENDING
Yt= 0.943 in.
S= 0.046 cubic in/ft. (bend.)
I= 0.049 in.⁴/ft. (defl.)

NEGATIVE BENDING
Yt= 0.252 in.
S= 0.029 cubic in/ft. (bend.)
I= 0.031 in.⁴/ft. (defl.)

LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 7'- 6"	6'- 9"	7'- 7"	* 6'- 5"	8'- 6"	* 7'- 11"
15	* 6'- 7"	5'- 6"	6'- 2"	5'- 6"	7'- 0"	6'- 9"
20	* 5'- 11"	4'- 9"	5'- 4"	4'- 9"	6'- 0"	5'- 10"
25	5'- 5"	4'- 3"	4'- 9"	4'- 3"	5'- 5"	5'- 3"
30	4'- 11"	3'- 11"	4'- 4"	3'- 11"	4'- 11"	4'- 9"
35	4'- 7"	3'- 7"	4'- 0"	3'- 7"	4'- 7"	4'- 5"
40	4'- 3"	3'- 4"	3'- 9"	3'- 4"	4'- 3"	4'- 2"
45	4'- 0"	3'- 2"	3'- 7"	3'- 2"	4'- 0"	3'- 11"
50	3'- 10"	3'- 0"	3'- 4"	3'- 0"	3'- 10"	3'- 8"
55	3'- 7"	2'- 10"	3'- 2"	2'- 10"	3'- 7"	3'- 6"
60	3'- 6"	2'- 9"	3'- 1"	2'- 9"	3'- 6"	3'- 4"
65	3'- 4"	2'- 8"	2'- 11"	2'- 8"	3'- 4"	3'- 3"
70	3'- 2"	2'- 6"	2'- 10"	2'- 6"	3'- 2"	3'- 1"

L/240 DEFLECTION MPH125
GAUGE 24 FY=40KSI

POSITIVE BENDING
Yt= 0.941 in.
S= 0.046 cubic in/ft. (bend.)
I= 0.049 in.⁴/ft. (defl.)

NEGATIVE BENDING
Yt= 0.254 in.
S= 0.029 cubic in/ft. (bend.)
I= 0.031 in.⁴/ft. (defl.)

LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 10"	6'- 9"	7'- 7"	* 5'- 10"	* 7'- 10"	* 7'- 3"
15	* 5'- 11"	5'- 6"	6'- 2"	* 5'- 4"	* 6'- 10"	* 6'- 4"
20	* 5'- 5"	4'- 9"	5'- 4"	* 4'- 7"	6'- 0"	* 5'- 9"
25	* 5'- 0"	4'- 3"	4'- 9"	4'- 3"	5'- 5"	5'- 3"
30	* 4'- 8"	3'- 11"	4'- 4"	3'- 11"	4'- 11"	4'- 9"
35	* 4'- 6"	3'- 7"	4'- 0"	3'- 7"	4'- 7"	4'- 5"
40	4'- 3"	3'- 4"	3'- 9"	3'- 4"	4'- 3"	4'- 2"
45	4'- 0"	3'- 2"	3'- 7"	3'- 2"	4'- 0"	3'- 11"
50	3'- 10"	3'- 0"	3'- 4"	3'- 0"	3'- 10"	3'- 8"
55	3'- 7"	2'- 10"	3'- 2"	2'- 10"	3'- 7"	3'- 6"
60	3'- 6"	2'- 9"	3'- 1"	2'- 9"	3'- 6"	3'- 4"
65	3'- 4"	2'- 8"	2'- 11"	2'- 8"	3'- 4"	3'- 3"
70	3'- 2"	2'- 6"	2'- 10"	2'- 6"	3'- 2"	3'- 1"

L/180 DEFLECTION MPH127
GAUGE 24 FY=40KSI

POSITIVE BENDING
Yt= 0.866 in.
S= 0.045 cubic in/ft. (bend.)
I= 0.045 in.⁴/ft. (defl.)

NEGATIVE BENDING
Yt= 0.202 in.
S= 0.030 cubic in/ft. (bend.)
I= 0.034 in.⁴/ft. (defl.)

LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 7'- 3"	6'- 11"	7'- 8"	* 6'- 8"	8'- 5"	* 8'- 2"
15	* 6'- 4"	5'- 7"	6'- 3"	5'- 7"	6'- 11"	6'- 11"
20	* 5'- 9"	4'- 10"	5'- 5"	4'- 10"	6'- 0"	6'- 0"
25	5'- 4"	4'- 4"	4'- 10"	4'- 4"	5'- 4"	5'- 4"
30	4'- 10"	4'- 0"	4'- 5"	4'- 0"	4'- 10"	4'- 10"
35	4'- 6"	3'- 8"	4'- 1"	3'- 8"	4'- 6"	4'- 6"
40	4'- 2"	3'- 5"	3'- 10"	3'- 5"	4'- 2"	4'- 2"
45	4'- 0"	3'- 3"	3'- 7"	3'- 3"	4'- 0"	4'- 0"
50	3'- 9"	3'- 1"	3'- 5"	3'- 1"	3'- 9"	3'- 9"
55	3'- 7"	2'- 11"	3'- 3"	2'- 11"	3'- 7"	3'- 7"
60	3'- 5"	2'- 9"	3'- 1"	2'- 9"	3'- 5"	3'- 5"
65	3'- 3"	2'- 8"	3'- 0"	2'- 8"	3'- 3"	3'- 3"
70	3'- 2"	2'- 7"	2'- 11"	2'- 7"	3'- 2"	3'- 2"

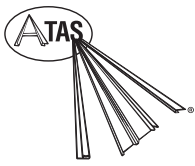
L/240 DEFLECTION MPH127
GAUGE 24 FY=40KSI

POSITIVE BENDING
Yt= 0.866 in.
S= 0.045 cubic in/ft. (bend.)
I= 0.045 in.⁴/ft. (defl.)

NEGATIVE BENDING
Yt= 0.202 in.
S= 0.030 cubic in/ft. (bend.)
I= 0.034 in.⁴/ft. (defl.)

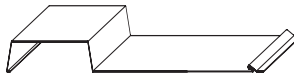
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 7"	6'- 11"	7'- 8"	* 6'- 0"	* 8'- 1"	* 7'- 5"
15	* 5'- 9"	5'- 7"	6'- 3"	* 5'- 3"	6'- 11"	* 6'- 6"
20	* 5'- 3"	4'- 10"	5'- 5"	* 4'- 9"	6'- 0"	* 5'- 11"
25	* 4'- 10"	4'- 4"	4'- 10"	4'- 4"	5'- 4"	5'- 4"
30	* 4'- 7"	4'- 0"	4'- 5"	4'- 0"	4'- 10"	4'- 10"
35	* 4'- 4"	3'- 8"	4'- 1"	3'- 8"	4'- 6"	4'- 6"
40	* 4'- 2"	3'- 5"	3'- 10"	3'- 5"	4'- 2"	4'- 2"
45	4'- 0"	3'- 3"	3'- 7"	3'- 3"	4'- 0"	4'- 0"
50	3'- 9"	3'- 1"	3'- 5"	3'- 1"	3'- 9"	3'- 9"
55	3'- 7"	2'- 11"	3'- 3"	2'- 11"	3'- 7"	3'- 7"
60	3'- 5"	2'- 9"	3'- 1"	2'- 9"	3'- 5"	3'- 5"
65	3'- 3"	2'- 8"	3'- 0"	2'- 8"	3'- 3"	3'- 3"
70	3'- 2"	2'- 7"	2'- 11"	2'- 7"	3'- 2"	3'- 2"

Notes: 1. *Indicates maximum span controlled by deflection.
 2. All loads are applied perpendicular to surface of panel.
 3. No increase for wind loading has been assumed.
 4. 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.
 5. Spans for 24 ga. steel were determined at an actual thickness of 0.021".
 6. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.



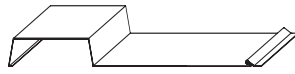
MULTI PURPOSE PANELS

MPH165 16" COVERAGE MPH167 16" COVERAGE

L/180 DEFLECTION GAUGE 24 FY=40KSI MPH165 

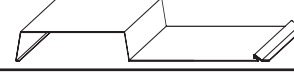
POSITIVE BENDING Yt= 1.036 in. S= 0.035 cubic in/ft. (bend.) I= 0.044 in.^4/ft. (defl.)	NEGATIVE BENDING Yt= 0.252 in. S= 0.022 cubic in/ft. (bend.) I= 0.024 in.^4/ft. (defl.)
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LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 7'- 2"	5'- 10"	6'- 7"	5'- 10"	7'- 6"	7'- 2"
15	6'- 1"	4'- 9"	5'- 4"	4'- 9"	6'- 1"	5'- 10"
20	5'- 3"	4'- 2"	4'- 7"	4'- 2"	5'- 3"	5'- 1"
25	4'- 8"	3'- 8"	4'- 2"	3'- 8"	4'- 8"	4'- 6"
30	4'- 4"	3'- 4"	3'- 9"	3'- 4"	4'- 4"	4'- 2"
35	4'- 0"	3'- 1"	3'- 6"	3'- 1"	4'- 0"	3'- 10"
40	3'- 9"	2'- 11"	3'- 3"	2'- 11"	3'- 9"	3'- 7"
45	3'- 6"	2'- 9"	3'- 1"	2'- 9"	3'- 6"	3'- 4"
50	3'- 4"	2'- 7"	2'- 11"	2'- 7"	3'- 4"	3'- 2"
55	3'- 2"	2'- 6"	2'- 9"	2'- 6"	3'- 2"	3'- 0"
60	3'- 0"	2'- 4"	2'- 8"	2'- 4"	3'- 0"	2'- 11"
65	2'- 11"	2'- 3"	2'- 7"	2'- 3"	2'- 11"	2'- 10"
70	2'- 10"	2'- 2"	2'- 5"	2'- 2"	2'- 10"	2'- 8"

L/240 DEFLECTION GAUGE 24 FY=40KSI MPH165 

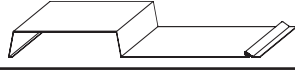
POSITIVE BENDING Yt= 1.036 in. S= 0.035 cubic in/ft. (bend.) I= 0.044 in.^4/ft. (defl.)	NEGATIVE BENDING Yt= 0.252 in. S= 0.022 cubic in/ft. (bend.) I= 0.024 in.^4/ft. (defl.)
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LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 6"	5'- 10"	6'- 7"	* 5'- 4"	* 7'- 2"	* 6'- 8"
15	* 5'- 9"	4'- 9"	5'- 4"	* 4'- 8"	6'- 1"	* 5'- 9"
20	* 5'- 2"	4'- 2"	4'- 7"	4'- 2"	5'- 3"	5'- 1"
25	4'- 8"	3'- 8"	4'- 2"	3'- 8"	4'- 8"	4'- 6"
30	4'- 4"	3'- 4"	3'- 9"	3'- 4"	4'- 4"	4'- 2"
35	4'- 0"	3'- 1"	3'- 6"	3'- 1"	4'- 0"	3'- 10"
40	3'- 9"	2'- 11"	3'- 3"	2'- 11"	3'- 9"	3'- 7"
45	3'- 6"	2'- 9"	3'- 1"	2'- 9"	3'- 6"	3'- 4"
50	3'- 4"	2'- 7"	2'- 11"	2'- 7"	3'- 4"	3'- 2"
55	3'- 2"	2'- 6"	2'- 9"	2'- 6"	3'- 2"	3'- 0"
60	3'- 0"	2'- 4"	2'- 8"	2'- 4"	3'- 0"	2'- 11"
65	2'- 11"	2'- 3"	2'- 7"	2'- 3"	2'- 11"	2'- 10"
70	2'- 10"	2'- 2"	2'- 5"	2'- 2"	2'- 10"	2'- 8"

L/180 DEFLECTION GAUGE 24 FY=40KSI MPH167 

POSITIVE BENDING Yt= 0.998 in. S= 0.035 cubic in/ft. (bend.) I= 0.041 in.^4/ft. (defl.)	NEGATIVE BENDING Yt= 0.203 in. S= 0.023 cubic in/ft. (bend.) I= 0.026 in.^4/ft. (defl.)
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LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 7'- 1"	6'- 0"	6'- 8"	6'- 0"	7'- 6"	7'- 4"
15	6'- 1"	4'- 10"	5'- 5"	4'- 10"	6'- 1"	6'- 0"
20	5'- 3"	4'- 2"	4'- 8"	4'- 2"	5'- 3"	5'- 2"
25	4'- 8"	3'- 9"	4'- 2"	3'- 9"	4'- 8"	4'- 7"
30	4'- 4"	3'- 5"	3'- 10"	3'- 5"	4'- 4"	4'- 2"
35	4'- 0"	3'- 2"	3'- 7"	3'- 2"	4'- 0"	3'- 11"
40	3'- 9"	3'- 0"	3'- 4"	3'- 0"	3'- 9"	3'- 8"
45	3'- 6"	2'- 9"	3'- 1"	2'- 9"	3'- 6"	3'- 5"
50	3'- 4"	2'- 8"	3'- 0"	2'- 8"	3'- 4"	3'- 3"
55	3'- 2"	2'- 6"	2'- 10"	2'- 6"	3'- 2"	3'- 1"
60	3'- 0"	2'- 5"	2'- 8"	2'- 5"	3'- 0"	3'- 0"
65	2'- 11"	2'- 4"	2'- 7"	2'- 4"	2'- 11"	2'- 10"
70	2'- 10"	2'- 3"	2'- 6"	2'- 3"	2'- 10"	2'- 9"

L/240 DEFLECTION GAUGE 24 FY=40KSI MPH167 

POSITIVE BENDING Yt= 0.998 in. S= 0.035 cubic in/ft. (bend.) I= 0.041 in.^4/ft. (defl.)	NEGATIVE BENDING Yt= 0.203 in. S= 0.023 cubic in/ft. (bend.) I= 0.026 in.^4/ft. (defl.)
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LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 5"	6'- 0"	6'- 8"	* 5'- 6"	* 7'- 4"	* 6'- 9"
15	* 5'- 7"	4'- 10"	5'- 5"	* 4'- 9"	6'- 1"	* 5'- 11"
20	* 5'- 1"	4'- 2"	4'- 8"	4'- 2"	5'- 3"	5'- 2"
25	4'- 8"	3'- 9"	4'- 2"	3'- 9"	4'- 8"	4'- 7"
30	4'- 4"	3'- 5"	3'- 10"	3'- 5"	4'- 4"	4'- 2"
35	4'- 0"	3'- 2"	3'- 7"	3'- 2"	4'- 0"	3'- 11"
40	3'- 9"	3'- 0"	3'- 4"	3'- 0"	3'- 9"	3'- 8"
45	3'- 6"	2'- 9"	3'- 1"	2'- 9"	3'- 6"	3'- 5"
50	3'- 4"	2'- 8"	3'- 0"	2'- 8"	3'- 4"	3'- 3"
55	3'- 2"	2'- 6"	2'- 10"	2'- 6"	3'- 2"	3'- 1"
60	3'- 0"	2'- 5"	2'- 8"	2'- 5"	3'- 0"	3'- 0"
65	2'- 11"	2'- 4"	2'- 7"	2'- 4"	2'- 11"	2'- 10"
70	2'- 10"	2'- 3"	2'- 6"	2'- 3"	2'- 10"	2'- 9"

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 for 24 ga. steel were determined at an actual thickness of 0.021".
- Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.