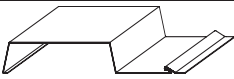


MULTI PURPOSE PANELS

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

MPH127 12" COVERAGE

L/180 DEFLECTION MPH080
GAUGE 24 FY=40KSI

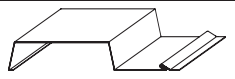


POSITIVE BENDING
Yt= 0.733 in.
S= 0.063 cubic in/ft. (bend.)
I= 0.051 in.⁴/ft. (defl.)

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'- 6"	* 5'- 10"	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"	4'- 4"	4'- 8"	4'- 9"
50	* 4'- 0"	3'- 8"	4'- 2"	4'- 2"	3'- 8"	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'- 1"	* 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

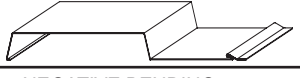


POSITIVE BENDING
Yt= 0.866 in.
S= 0.045 cubic in/ft. (bend.)
I= 0.045 in.⁴/ft. (defl.)

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

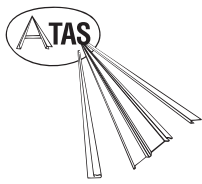


POSITIVE BENDING
Yt= 0.866 in.
S= 0.045 cubic in/ft. (bend.)
I= 0.045 in.⁴/ft. (defl.)

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

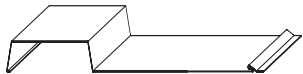
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 7"	6'- 11"	7'- 8"	* 6'- 0"	* 8'- 1"	* 7'- 5"
15	* 5'- 9"	5'- 7"	6'- 3"	* 5'- 3"	6'- 11"	* 6'- 11"
20	* 5'- 3"	4'- 10"	5'- 5"	* 4'- 9"	6'- 0"	* 5'- 11"
25	* 4'- 10"	4'- 4"	4'- 10"	4'- 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:
- *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".



MULTI PURPOSE PANELS

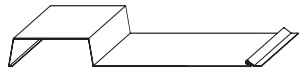
MPH165 16" COVERAGE **MPH167** 16" COVERAGE

L/180 DEFLECTION MPH165 

GAUGE 24 **FY=40KSI**

POSITIVE BENDING	NEGATIVE BENDING
Yt= 1.036 in.	Yt= 0.252 in.
S= 0.035 cubic in/ft. (bend.)	S= 0.022 cubic in/ft. (bend.)
I= 0.044 in.^4/ft. (defl.)	I= 0.024 in.^4/ft. (defl.)

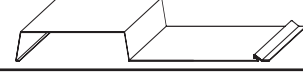
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 7'- 2"	5'- 10"	6'- 7"	5'- 10"	7'- 6"	7'- 2"
15	6'- 1"	4'- 9"	5'- 4"	4'- 9"	6'- 1"	5'- 10"
20	5'- 3"	4'- 2"	4'- 7"	4'- 2"	5'- 3"	5'- 1"
25	4'- 8"	3'- 8"	4'- 2"	3'- 8"	4'- 8"	4'- 6"
30	4'- 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 MPH165 

GAUGE 24 **FY=40KSI**

POSITIVE BENDING	NEGATIVE BENDING
Yt= 1.036 in.	Yt= 0.252 in.
S= 0.035 cubic in/ft. (bend.)	S= 0.022 cubic in/ft. (bend.)
I= 0.044 in.^4/ft. (defl.)	I= 0.024 in.^4/ft. (defl.)

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 MPH167 

GAUGE 24 **FY=40KSI**

POSITIVE BENDING	NEGATIVE BENDING
Yt= 0.998 in.	Yt= 0.203 in.
S= 0.035 cubic in/ft. (bend.)	S= 0.023 cubic in/ft. (bend.)
I= 0.041 in.^4/ft. (defl.)	I= 0.026 in.^4/ft. (defl.)

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 MPH167 

GAUGE 24 **FY=40KSI**

POSITIVE BENDING	NEGATIVE BENDING
Yt= 0.998 in.	Yt= 0.203 in.
S= 0.035 cubic in/ft. (bend.)	S= 0.023 cubic in/ft. (bend.)
I= 0.041 in.^4/ft. (defl.)	I= 0.026 in.^4/ft. (defl.)

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".