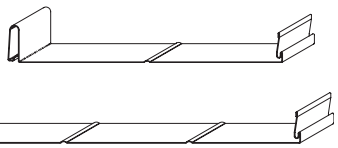
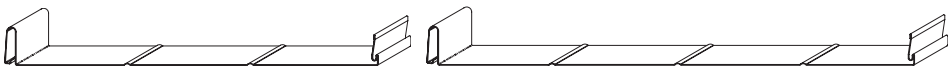
LOAD TABLES

24 ga. STEEL
ASTM A653
SS 40

DUTCH SEAM ROOF PANEL
MRD110, MRD150, MRD194





L/180 MAXIMUM DEFLECTION CRITERIA
24 GAUGE — 11" COVERAGE

POSITIVE BENDING
Yt= 1.308 in.
S= 0.047 cubic in/ft. (bend.)
I= 0.061 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 0.915 in.
S= 0.035 cubic in/ft. (bend.)
I= 0.036 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
24 GAUGE — 11" COVERAGE

POSITIVE BENDING
Yt= 1.308 in.
S= 0.047 cubic in/ft. (bend.)
I= 0.061 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 0.915 in.
S= 0.035 cubic in/ft. (bend.)
I= 0.036 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"	7'- 9"	8'- 8"	* 6'- 4"	* 8'- 6"	* 7'- 10"
15	* 6'- 7"	6'- 4"	7'- 1"	* 5'- 6"	7'- 4"	* 6'- 10"
20	* 6'- 0"	5'- 6"	6'- 2"	* 5'- 0"	6'- 4"	* 6'- 2"
25	* 5'- 7"	4'- 11"	5'- 6"	* 4'- 8"	5'- 8"	* 5'- 9"
30	5'- 2"	4'- 6"	5'- 0"	* 4'- 4"	5'- 2"	* 5'- 5"
35	4'- 10"	4'- 2"	4'- 8"	4'- 2"	4'- 10"	5'- 1"
40	4'- 6"	3'- 10"	4'- 4"	3'- 10"	4'- 6"	4'- 9"
45	4'- 3"	3'- 8"	4'- 1"	3'- 8"	4'- 3"	4'- 6"
50	4'- 0"	3'- 5"	3'- 10"	3'- 5"	4'- 0"	4'- 3"
55	3'- 10"	3'- 3"	3'- 8"	3'- 3"	3'- 10"	4'- 0"
60	3'- 8"	3'- 2"	3'- 6"	3'- 2"	3'- 8"	3'- 10"
65	3'- 6"	3'- 0"	3'- 5"	3'- 0"	3'- 6"	3'- 9"
70	3'- 5"	2'- 11"	3'- 3"	2'- 11"	3'- 5"	3'- 7"

L/180 MAXIMUM DEFLECTION CRITERIA
24 GAUGE — 15" COVERAGE

POSITIVE BENDING
Yt= 1.308 in.
S= 0.047 cubic in/ft. (bend.)
I= 0.061 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 0.915 in.
S= 0.035 cubic in/ft. (bend.)
I= 0.036 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'- 8"	7'- 5"	* 6'- 3"	7'- 9"	* 7'- 9"
15	6'- 3"	5'- 5"	6'- 1"	5'- 5"	6'- 3"	6'- 8"
20	5'- 5"	4'- 8"	5'- 3"	4'- 8"	5'- 5"	5'- 9"
25	4'- 10"	4'- 2"	4'- 8"	4'- 2"	4'- 10"	5'- 2"
30	4'- 5"	3'- 10"	4'- 3"	3'- 10"	4'- 5"	4'- 8"
35	4'- 1"	3'- 6"	4'- 0"	3'- 6"	4'- 1"	4'- 4"
40	3'- 10"	3'- 4"	3'- 8"	3'- 4"	3'- 10"	4'- 1"
45	3'- 7"	3'- 1"	3'- 6"	3'- 1"	3'- 7"	3'- 10"
50	3'- 5"	2'- 11"	3'- 4"	2'- 11"	3'- 5"	3'- 7"
55	3'- 3"	2'- 10"	3'- 2"	2'- 10"	3'- 3"	3'- 5"
60	3'- 1"	2'- 8"	3'- 0"	2'- 8"	3'- 1"	3'- 4"
65	3'- 0"	2'- 7"	2'- 11"	2'- 7"	3'- 0"	3'- 2"
70	2'- 11"	2'- 6"	2'- 9"	2'- 6"	2'- 11"	3'- 1"

L/240 MAXIMUM DEFLECTION CRITERIA
24 GAUGE — 15" COVERAGE

POSITIVE BENDING
Yt= 1.308 in.
S= 0.047 cubic in/ft. (bend.)
I= 0.061 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 0.915 in.
S= 0.035 cubic in/ft. (bend.)
I= 0.036 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'- 8"	7'- 5"	* 5'- 8"	* 7'- 8"	* 7'- 1"
15	* 5'- 11"	5'- 5"	6'- 1"	* 5'- 0"	6'- 3"	* 6'- 2"
20	* 5'- 5"	4'- 8"	5'- 3"	* 4'- 6"	5'- 5"	* 5'- 7"
25	4'- 10"	4'- 2"	4'- 8"	* 4'- 2"	4'- 10"	5'- 2"
30	4'- 5"	3'- 10"	4'- 3"	3'- 10"	4'- 5"	4'- 8"
35	4'- 1"	3'- 6"	4'- 0"	3'- 6"	4'- 1"	4'- 4"
40	3'- 10"	3'- 4"	3'- 8"	3'- 4"	3'- 10"	4'- 1"
45	3'- 7"	3'- 1"	3'- 6"	3'- 1"	3'- 7"	3'- 10"
50	3'- 5"	2'- 11"	3'- 4"	2'- 11"	3'- 5"	3'- 7"
55	3'- 3"	2'- 10"	3'- 2"	2'- 10"	3'- 3"	3'- 5"
60	3'- 1"	2'- 8"	3'- 0"	2'- 8"	3'- 1"	3'- 4"
65	3'- 0"	2'- 7"	2'- 11"	2'- 7"	3'- 0"	3'- 2"
70	2'- 11"	2'- 6"	2'- 9"	2'- 6"	2'- 11"	3'- 1"

L/180 MAXIMUM DEFLECTION CRITERIA
24 GAUGE — 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.308 in.
S= 0.047 cubic in/ft. (bend.)
I= 0.061 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 0.915 in.
S= 0.035 cubic in/ft. (bend.)
I= 0.036 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"	5'- 10"	6'- 7"	* 5'- 9"	6'- 10"	* 7'- 2"
15	5'- 7"	4'- 9"	5'- 4"	4'- 9"	5'- 7"	5'- 10"
20	4'- 10"	4'- 2"	4'- 8"	4'- 2"	4'- 10"	5'- 1"
25	4'- 3"	3'- 8"	4'- 2"	3'- 8"	4'- 3"	4'- 6"
30	3'- 11"	3'- 4"	3'- 9"	3'- 4"	3'- 11"	4'- 2"
35	3'- 7"	3'- 1"	3'- 6"	3'- 1"	3'- 7"	3'- 10"
40	3'- 5"	2'- 11"	3'- 3"	2'- 11"	3'- 5"	3'- 7"
45	3'- 2"	2'- 9"	3'- 1"	2'- 9"	3'- 2"	3'- 4"
50	3'- 0"	2'- 7"	2'- 11"	2'- 7"	3'- 0"	3'- 2"
55	2'- 11"	2'- 6"	2'- 9"	2'- 6"	2'- 11"	3'- 1"
60	2'- 9"	2'- 4"	2'- 8"	2'- 4"	2'- 9"	2'- 11"
65	2'- 8"	2'- 3"	2'- 7"	2'- 3"	2'- 8"	2'- 10"
70	2'- 7"	2'- 2"	2'- 5"	2'- 2"	2'- 7"	2'- 8"

L/240 MAXIMUM DEFLECTION CRITERIA
24 GAUGE — 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.308 in.
S= 0.047 cubic in/ft. (bend.)
I= 0.061 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 0.915 in.
S= 0.035 cubic in/ft. (bend.)
I= 0.036 in.^4/ft. (defl.)

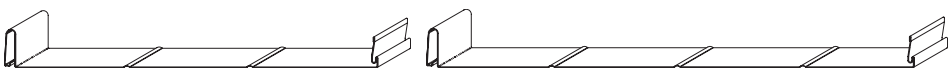
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 3"	5'- 10"	6'- 7"	* 5'- 3"	* 6'- 10"	* 6'- 6"
15	5'- 5"	4'- 9"	5'- 4"	4'- 7"	5'- 7"	5'- 8"
20	4'- 10"	4'- 2"	4'- 8"	4'- 2"	4'- 10"	5'- 1"
25	4'- 3"	3'- 8"	4'- 2"	3'- 8"	4'- 3"	4'-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

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. Shaded area denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
5. 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.
6. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.

LOAD TABLES
.032
ALUMINUM
ASTM B209
3105-H14

DUTCH SEAM ROOF PANEL
MRD110, MRD150, MRD194



L/180 MAXIMUM DEFLECTION CRITERIA
GAUGE **.032** 11" COVERAGE

POSITIVE BENDING
Yt= 1.379 in.
S= 0.068 cubic in/ft. (bend.)
I= 0.095 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.344 in.
S= 0.078 cubic in/ft. (bend.)
I= 0.090 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"	6'- 3"	6'- 5"	6'- 3"	7'- 1"	6'- 11"
15	* 5'- 8"	5'- 1"	5'- 3"	5'- 1"	5'- 10"	5'- 8"
20	5'- 0"	4'- 5"	4'- 7"	4'- 5"	5'- 0"	4'- 11"
25	4'- 6"	3'- 11"	4'- 1"	3'- 11"	4'- 6"	4'- 4"
30	4'- 1"	3'- 7"	3'- 8"	3'- 7"	4'- 1"	4'- 0"
35	3'- 9"	3'- 4"	3'- 5"	3'- 4"	3'- 9"	3'- 8"
40	3'- 6"	3'- 1"	3'- 2"	3'- 1"	3'- 6"	3'- 5"
45	3'- 4"	2'- 11"	3'- 0"	2'- 11"	3'- 4"	3'- 3"
50	3'- 2"	2'- 9"	2'- 10"	2'- 9"	3'- 2"	3'- 1"
55	3'- 0"	2'- 8"	2'- 9"	2'- 8"	3'- 0"	2'- 11"
60	2'- 11"	2'- 6"	2'- 7"	2'- 6"	2'- 11"	2'- 10"
65	2'- 9"	2'- 5"	2'- 6"	2'- 5"	2'- 9"	2'- 8"
70	2'- 8"	2'- 4"	2'- 5"	2'- 4"	2'- 8"	2'- 7"

L/240 MAXIMUM DEFLECTION CRITERIA
GAUGE **.032** 11" COVERAGE

POSITIVE BENDING
Yt= 1.379 in.
S= 0.068 cubic in/ft. (bend.)
I= 0.095 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.344 in.
S= 0.078 cubic in/ft. (bend.)
I= 0.090 in.^4/ft. (defl.)

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

L/180 MAXIMUM DEFLECTION CRITERIA
GAUGE **.032** 15" COVERAGE

POSITIVE BENDING
Yt= 1.422 in.
S= 0.051 cubic in/ft. (bend.)
I= 0.073 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.392 in.
S= 0.059 cubic in/ft. (bend.)
I= 0.069 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
GAUGE **.032** 15" COVERAGE

POSITIVE BENDING
Yt= 1.422 in.
S= 0.051 cubic in/ft. (bend.)
I= 0.073 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.392 in.
S= 0.059 cubic in/ft. (bend.)
I= 0.069 in.^4/ft. (defl.)

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

L/180 MAXIMUM DEFLECTION CRITERIA
GAUGE **.032** 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.451 in.
S= 0.040 cubic in/ft. (bend.)
I= 0.059 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.425 in.
S= 0.046 cubic in/ft. (bend.)
I= 0.055 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
GAUGE **.032** 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.451 in.
S= 0.040 cubic in/ft. (bend.)
I= 0.059 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.425 in.
S= 0.046 cubic in/ft. (bend.)
I= 0.055 in.^4/ft. (defl.)

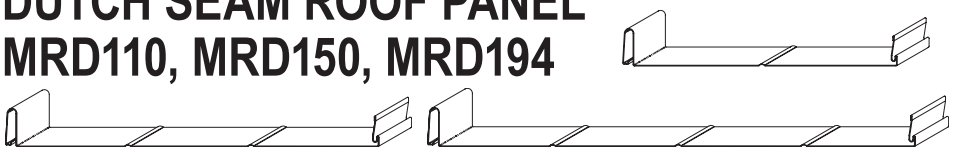
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 5'- 0"	4'- 8"	4'- 10"	4'- 8"	5'- 5"	5'- 2"
15	* 4'- 5"	3'- 9"	3'- 11"	3'- 9"	4'- 5"	4'- 2"
20	3'- 10"	3'- 3"	3'- 5"	3'- 3"	3'- 10"	3'- 8"
25	3'- 5"	2'- 11"	3'- 0"	2'- 11"	3'- 5"	3'- 3"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

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. Shaded area denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
5. 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.
6. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.

LOAD TABLES
.040
ALUMINUM
ASTM B209
3105-H14

DUTCH SEAM ROOF PANEL
MRD110, MRD150, MRD194



L/180 MAXIMUM DEFLECTION CRITERIA
GAUGE **.040** 11" COVERAGE

POSITIVE BENDING
Yt= 1.379 in.
S= 0.085 cubic in/ft. (bend.)
I= 0.119 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.344 in.
S= 0.098 cubic in/ft. (bend.)
I= 0.117 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
GAUGE **.040** 11" COVERAGE

POSITIVE BENDING
Yt= 1.379 in.
S= 0.085 cubic in/ft. (bend.)
I= 0.119 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.344 in.
S= 0.098 cubic in/ft. (bend.)
I= 0.117 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"	7'- 8"	* 7'- 11"	* 6'- 4"	8'- 0"	* 7'- 10"
15	* 5'- 7"	6'- 3"	6'- 6"	* 5'- 6"	6'- 6"	6'- 9"
20	* 5'- 1"	5'- 5"	5'- 7"	* 5'- 0"	5'- 7"	5'- 10"
25	* 4'- 8"	4'- 10"	5'- 0"	* 4'- 8"	5'- 0"	5'- 2"
30	* 4'- 5"	4'- 5"	4'- 7"	* 4'- 5"	4'- 7"	4'- 9"
35	* 4'- 2"	4'- 1"	4'- 3"	4'- 1"	4'- 3"	4'- 5"
40	4'- 0"	3'- 10"	3'- 11"	3'- 10"	4'- 0"	4'- 1"
45	3'- 9"	3'- 7"	3'- 9"	3'- 7"	3'- 9"	3'- 10"
50	3'- 6"	3'- 5"	3'- 6"	3'- 5"	3'- 6"	3'- 8"
55	3'- 4"	3'- 3"	3'- 4"	3'- 3"	3'- 4"	3'- 6"
60	3'- 3"	3'- 1"	3'- 3"	3'- 1"	3'- 3"	3'- 4"
65	3'- 1"	3'- 0"	3'- 1"	3'- 0"	3'- 1"	3'- 2"
70	3'- 0"	2'- 11"	3'- 0"	2'- 11"	3'- 0"	3'- 1"

L/180 MAXIMUM DEFLECTION CRITERIA
GAUGE **.040** 15" COVERAGE

POSITIVE BENDING
Yt= 1.422 in.
S= 0.063 cubic in/ft. (bend.)
I= 0.091 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.392 in.
S= 0.073 cubic in/ft. (bend.)
I= 0.089 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'- 6"	6'- 9"	* 6'- 4"	6'- 10"	7'- 1"
15	5'- 7"	5'- 4"	5'- 6"	5'- 4"	5'- 7"	5'- 10"
20	4'- 10"	4'- 7"	4'- 9"	4'- 7"	4'- 10"	5'- 0"
25	4'- 4"	4'- 1"	4'- 3"	4'- 1"	4'- 4"	4'- 6"
30	3'- 11"	3'- 9"	3'- 11"	3'- 9"	3'- 11"	4'- 1"
35	3'- 8"	3'- 6"	3'- 7"	3'- 6"	3'- 8"	3'- 9"
40	3'- 5"	3'- 3"	3'- 4"	3'- 3"	3'- 5"	3'- 6"
45	3'- 3"	3'- 1"	3'- 2"	3'- 1"	3'- 3"	3'- 4"
50	3'- 1"	2'- 11"	3'- 0"	2'- 11"	3'- 1"	3'- 2"
55	2'- 11"	2'- 9"	2'- 10"	2'- 9"	2'- 11"	3'- 0"
60	2'- 9"	2'- 8"	2'- 9"	2'- 8"	2'- 9"	2'- 11"
65	2'- 8"	2'- 6"	2'- 7"	2'- 6"	2'- 8"	2'- 9"
70	2'- 7"	2'- 5"	2'- 6"	2'- 5"	2'- 7"	2'- 8"

L/240 MAXIMUM DEFLECTION CRITERIA
GAUGE **.040** 15" COVERAGE

POSITIVE BENDING
Yt= 1.422 in.
S= 0.063 cubic in/ft. (bend.)
I= 0.091 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.392 in.
S= 0.073 cubic in/ft. (bend.)
I= 0.089 in.^4/ft. (defl.)

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

L/180 MAXIMUM DEFLECTION CRITERIA
GAUGE **.040** 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.451 in.
S= 0.050 cubic in/ft. (bend.)
I= 0.073 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.425 in.
S= 0.058 cubic in/ft. (bend.)
I= 0.071 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
GAUGE **.040** 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.451 in.
S= 0.050 cubic in/ft. (bend.)
I= 0.073 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.425 in.
S= 0.058 cubic in/ft. (bend.)
I= 0.071 in.^4/ft. (defl.)

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

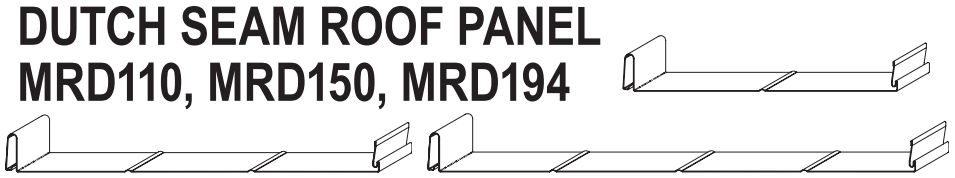
Notes:

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. Shaded area denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
5. 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.
6. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.

LOAD TABLES

22 ga. STEEL
ASTM A653
SS 40

DUTCH SEAM ROOF PANEL
MRD110, MRD150, MRD194



L/180 MAXIMUM DEFLECTION CRITERIA
22 GAUGE — 11" COVERAGE

POSITIVE BENDING
Yt= 1.344 in.
S= 0.070 cubic in/ft. (bend.)
I= 0.095 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.018 in.
S= 0.055 cubic in/ft. (bend.)
I= 0.057 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
22 GAUGE — 11" COVERAGE

POSITIVE BENDING
Yt= 1.344 in.
S= 0.070 cubic in/ft. (bend.)
I= 0.095 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.018 in.
S= 0.055 cubic in/ft. (bend.)
I= 0.057 in.^4/ft. (defl.)

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

L/180 MAXIMUM DEFLECTION CRITERIA
22 GAUGE — 15" COVERAGE

POSITIVE BENDING
Yt= 1.392 in.
S= 0.052 cubic in/ft. (bend.)
I= 0.074 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.021 in.
S= 0.041 cubic in/ft. (bend.)
I= 0.042 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
22 GAUGE — 15" COVERAGE

POSITIVE BENDING
Yt= 1.392 in.
S= 0.052 cubic in/ft. (bend.)
I= 0.074 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.021 in.
S= 0.041 cubic in/ft. (bend.)
I= 0.042 in.^4/ft. (defl.)

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

L/180 MAXIMUM DEFLECTION CRITERIA
22 GAUGE — 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.425 in.
S= 0.041 cubic in/ft. (bend.)
I= 0.059 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.022 in.
S= 0.032 cubic in/ft. (bend.)
I= 0.032 in.^4/ft. (defl.)

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

L/240 MAXIMUM DEFLECTION CRITERIA
22 GAUGE — 19.25" COVERAGE

POSITIVE BENDING
Yt= 1.425 in.
S= 0.041 cubic in/ft. (bend.)
I= 0.059 in.^4/ft. (defl.)

NEGATIVE BENDING
Yt= 1.022 in.
S= 0.032 cubic in/ft. (bend.)
I= 0.032 in.^4/ft. (defl.)

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

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. Shaded area denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
5. 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.
6. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.