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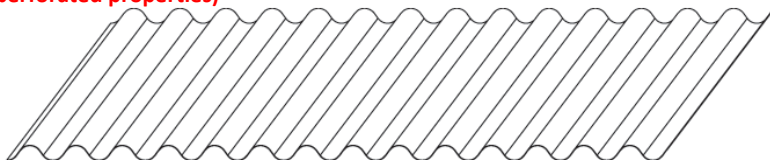
[.032" Aluminum](#)

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Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI	
Positive and Negative Bending	
Y =	0.438 in.
S =	0.092 in ³ /ft.
I =	0.040 in ⁴ /ft.
Ma =	0.074 ft-k/ft.
Pc,int =	0.528 k/ft.
Pc,end =	0.257 k/ft.

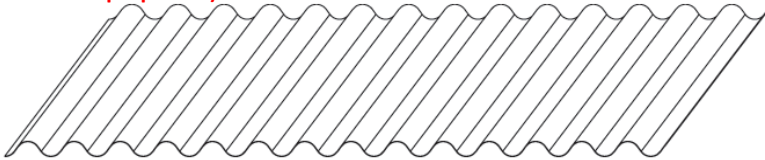
Load (psf)	L/240 Deflection Criteria			L/180 Deflection Criteria			L/120 Deflection Criteria		
	Span Condition			Span Condition			Span Condition		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*4'-5"	*6'-0"	*5'-6"	*4'-11"	*6'-7"	*6'-1"	*5'-7"	7'-5"	*6'-11"
15	*3'-11"	*5'-3"	*4'-10"	*4'-3"	*5'-9"	*5'-4"	*4'-11"	6'-0"	*6'-1"
20	*3'-6"	*4'-9"	*4'-4"	*3'-11"	5'-2"	*4'-10"	*4'-5"	5'-2"	*5'-6"
25	*3'-3"	*4'-5"	*4'-1"	*3'-7"	4'-7"	*4'-5"	*4'-2"	4'-7"	*5'-1"
30	*3'-1"	*4'-2"	*3'-10"	*3'-5"	4'-2"	*4'-2"	*3'-11"	4'-2"	4'-8"
35	*2'-11"	3'-10"	*3'-7"	*3'-3"	3'-10"	*4'-0"	*3'-8"	3'-10"	4'-3"
40	*2'-9"	3'-6"	*3'-5"	*3'-1"	3'-6"	*3'-10"	*3'-6"	3'-6"	4'-0"
45	*2'-8"	3'-4"	*3'-4"	*2'-11"	3'-4"	*3'-8"	*3'-5"	3'-4"	3'-9"
50	*2'-7"	3'-1"	*3'-2"	*2'-10"	3'-1"	3'-6"	*3'-3"	3'-1"	3'-6"
55	*2'-6"	2'-11"	*3'-1"	*2'-9"	2'-11"	3'-4"	*3'-2"	2'-11"	3'-4"
60	*2'-5"	2'-10"	*3'-0"	*2'-8"	2'-10"	3'-2"	3'-1"	2'-10"	3'-2"
65	*2'-4"	2'-8"	*2'-11"	*2'-7"	2'-8"	3'-0"	3'-0"	2'-8"	3'-0"
70	*2'-4"	2'-7"	*2'-10"	*2'-6"	2'-7"	2'-10"	2'-10"	2'-7"	2'-10"
75	*2'-3"	2'-5"	2'-9"	*2'-6"	2'-5"	2'-9"	2'-9"	2'-5"	2'-9"
80	*2'-2"	2'-4"	2'-8"	*2'-5"	2'-4"	2'-8"	2'-8"	2'-4"	2'-8"
85	*2'-2"	2'-3"	2'-7"	*2'-5"	2'-3"	2'-7"	2'-7"	2'-3"	2'-7"
90	*2'-1"	2'-2"	2'-6"	*2'-4"	2'-2"	2'-6"	2'-6"	2'-2"	2'-6"
95	*2'-1"	2'-2"	2'-5"	*2'-3"	2'-2"	2'-5"	2'-5"	2'-2"	2'-5"
100	*2'-1"	2'-1"	2'-4"	*2'-3"	2'-1"	2'-4"	2'-5"	2'-1"	2'-4"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use by those qualified to assess these effects.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI	
Positive and Negative Bending	
Y =	0.438 in
S =	0.117 in ³ /ft
I =	0.051 in ⁴ /ft
Ma =	0.096 ft-k/ft
Pc,int =	0.847 k/ft
Pc,end =	0.412 k/ft

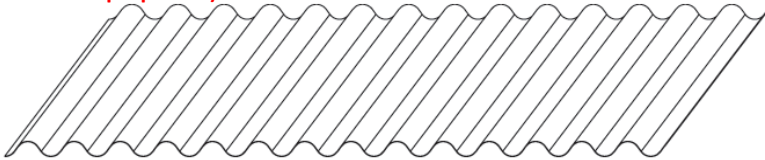
Load (psf)	L/240 Deflection Criteria			L/180 Deflection Criteria			L/120 Deflection Criteria		
	Span Condition			Span Condition			Span Condition		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*4'-10"	*6'-6"	*6'-0"	*5'-4"	*7'-1"	*6'-7"	*6'-1"	*8'-2"	*7'-6"
15	*4'-2"	*5'-8"	*5'-2"	*4'-8"	*6'-3"	*5'-9"	*5'-4"	6'-11"	*6'-7"
20	*3'-10"	*5'-1"	*4'-9"	*4'-2"	*5'-8"	*5'-2"	*4'-10"	6'-0"	*6'-0"
25	*3'-6"	*4'-9"	*4'-5"	*3'-11"	*5'-3"	*4'-10"	*4'-6"	5'-4"	*5'-6"
30	*3'-4"	*4'-6"	*4'-1"	*3'-8"	4'-10"	*4'-6"	*4'-2"	4'-10"	*5'-2"
35	*3'-2"	*4'-3"	*3'-11"	*3'-6"	4'-5"	*4'-4"	*4'-0"	4'-5"	*4'-11"
40	*3'-0"	*4'-1"	*3'-9"	*3'-4"	4'-2"	*4'-1"	*3'-10"	4'-2"	4'-8"
45	*2'-11"	3'-11"	*3'-7"	*3'-2"	3'-11"	*4'-0"	*3'-8"	3'-11"	4'-4"
50	*2'-10"	3'-8"	*3'-6"	*3'-1"	3'-8"	*3'-10"	*3'-6"	3'-8"	4'-1"
55	*2'-9"	3'-6"	*3'-4"	*3'-0"	3'-6"	*3'-8"	*3'-5"	3'-6"	3'-11"
60	*2'-8"	3'-4"	*3'-3"	*2'-11"	3'-4"	*3'-7"	*3'-4"	3'-4"	3'-9"
65	*2'-7"	3'-2"	*3'-2"	*2'-10"	3'-2"	*3'-6"	*3'-3"	3'-2"	3'-7"
70	*2'-6"	3'-1"	*3'-1"	*2'-9"	3'-1"	*3'-5"	*3'-2"	3'-1"	3'-5"
75	*2'-5"	2'-11"	*3'-0"	*2'-8"	2'-11"	3'-3"	*3'-1"	2'-11"	3'-3"
80	*2'-5"	2'-10"	*3'-0"	*2'-8"	2'-10"	3'-2"	*3'-0"	2'-10"	3'-2"
85	*2'-4"	2'-9"	*2'-11"	*2'-7"	2'-9"	3'-1"	2'-11"	2'-9"	3'-1"
90	*2'-4"	2'-8"	*2'-10"	*2'-6"	2'-8"	3'-0"	2'-10"	2'-8"	3'-0"
95	*2'-3"	2'-7"	*2'-10"	*2'-6"	2'-7"	2'-11"	2'-9"	2'-7"	2'-11"
100	*2'-3"	2'-6"	*2'-9"	*2'-5"	2'-6"	2'-9"	2'-9"	2'-6"	2'-9"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use by those qualified to assess these effects.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI	
Positive and Negative Bending	
Y=	0.438 in
S=	0.147 in ³ /ft
I=	0.065 in ⁴ /ft
Ma=	0.123 ft-k/ft
Pc,int=	1.351 k/ft
Pc,end=	0.658 k/ft

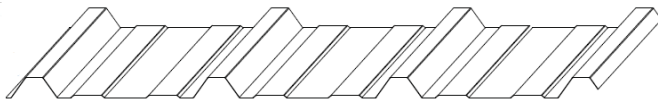
Load (psf)	L/240 Deflection Criteria			L/180 Deflection Criteria			L/120 Deflection Criteria		
	Span Condition			Span Condition			Span Condition		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*5'-3"	*7'-0"	*6'-5"	*5'-9"	*7'-8"	*7'-1"	*6'-7"	*8'-10"	*8'-2"
15	*4'-7"	*6'-1"	*5'-8"	*5'-0"	*6'-9"	*6'-2"	*5'-9"	*7'-8"	*7'-1"
20	*4'-2"	*5'-6"	*5'-1"	*4'-7"	*6'-1"	*5'-8"	*5'-3"	6'-10"	*6'-5"
25	*3'-10"	*5'-2"	*4'-9"	*4'-3"	*5'-8"	*5'-3"	*4'-10"	6'-1"	*6'-0"
30	*3'-7"	*4'-10"	*4'-5"	*4'-0"	*5'-4"	*4'-11"	*4'-7"	5'-7"	*5'-8"
35	*3'-5"	*4'-7"	*4'-3"	*3'-9"	*5'-1"	*4'-8"	*4'-4"	5'-2"	*5'-4"
40	*3'-3"	*4'-5"	*4'-1"	*3'-7"	4'-9"	*4'-5"	*4'-2"	4'-9"	*5'-1"
45	*3'-2"	*4'-3"	*3'-11"	*3'-6"	4'-6"	*4'-3"	*4'-0"	4'-6"	*4'-11"
50	*3'-0"	*4'-1"	*3'-9"	*3'-4"	4'-3"	*4'-2"	*3'-10"	4'-3"	*4'-9"
55	*2'-11"	*3'-11"	*3'-8"	*3'-3"	4'-1"	*4'-0"	*3'-8"	4'-1"	4'-6"
60	*2'-10"	*3'-10"	*3'-6"	*3'-2"	3'-10"	*3'-11"	*3'-7"	3'-10"	4'-4"
65	*2'-9"	3'-8"	*3'-5"	*3'-1"	3'-8"	*3'-9"	*3'-6"	3'-8"	4'-2"
70	*2'-8"	3'-7"	*3'-4"	*3'-0"	3'-7"	*3'-8"	*3'-5"	3'-7"	4'-0"
75	*2'-8"	3'-5"	*3'-3"	*2'-11"	3'-5"	*3'-7"	*3'-4"	3'-5"	3'-10"
80	*2'-7"	3'-4"	*3'-2"	*2'-10"	3'-4"	*3'-6"	*3'-3"	3'-4"	3'-9"
85	*2'-6"	3'-2"	*3'-2"	*2'-9"	3'-2"	*3'-5"	*3'-2"	3'-2"	3'-7"
90	*2'-6"	3'-1"	*3'-1"	*2'-9"	3'-1"	*3'-5"	*3'-2"	3'-1"	3'-6"
95	*2'-5"	3'-0"	*3'-0"	*2'-8"	3'-0"	*3'-4"	*3'-1"	3'-0"	3'-5"
100	*2'-5"	2'-11"	*3'-0"	*2'-8"	2'-11"	*3'-3"	*3'-0"	2'-11"	3'-3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use by those qualified to assess these effects.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	1.07712 in	Yt =	1.07712 in
Yb =	0.3364 in	Yb =	0.3364 in
St =	0.0836 in ³ /ft	St =	0.0836 in ³ /ft
Sb =	0.2678 in ³ /ft	Sb =	0.2678 in ³ /ft
I =	0.0901 in ⁴ /ft	I =	0.0901 in ⁴ /ft
Ma+ =	0.276 ft-k/ft	Ma+ =	0.086 ft-k/ft
Ma- =	0.112 ft-k/ft	Ma- =	0.104 ft-k/ft
Pc,int =	187 lb/ft	Pc,int =	187 lb/ft
Pc,end =	91 lb/ft	Pc,end =	91 lb/ft

L/120 DEFLECTION CRITERIA

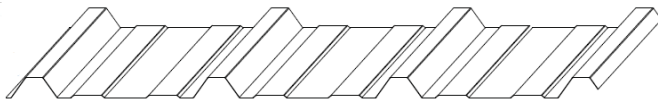
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 7'-	4"	7'-	2"	8'-	1"	* 7'-	4"	8'-	0"	8'-	11"
15	* 6'-	5"	5'-	7"	6'-	3"	* 6'-	5"	6'-	2"	6'-	11"
20	* 5'-	10"	4'-	8"	5'-	3"	5'-	10"	5'-	1"	5'-	8"
25	* 5'-	5"	4'-	0"	4'-	6"	5'-	2"	4'-	4"	4'-	10"
30	* 5'-	1"	3'-	6"	3'-	11"	4'-	9"	3'-	9"	4'-	3"
35	* 4'-	10"	3'-	1"	3'-	6"	4'-	5"	3'-	4"	3'-	9"
40	4'-	6"	2'-	10"	3'-	2"	4'-	1"	3'-	0"	3'-	5"
45	4'-	0"	2'-	7"	2'-	11"	3'-	10"	2'-	9"	3'-	1"
50	3'-	7"	2'-	4"	2'-	8"	3'-	7"	2'-	6"	2'-	10"
55	3'-	3"	2'-	2"	2'-	6"	3'-	3"	2'-	4"	2'-	7"
60	3'-	0"	2'-	1"	2'-	4"	3'-	0"	2'-	2"	2'-	5"
65	2'-	9"	1'-	11"	2'-	2"	2'-	9"	2'-	0"	2'-	3"
70	2'-	7"	1'-	10"	2'-	0"	2'-	7"	1'-	10"	2'-	1"
75	2'-	5"	1'-	8"	1'-	11"	2'-	5"	1'-	9"	2'-	0"
80	2'-	3"	1'-	7"	1'-	10"	2'-	3"	1'-	8"	1'-	11"
85	2'-	1"	1'-	6"	1'-	9"	2'-	1"	1'-	7"	1'-	9"
90	2'-	0"	1'-	5"	1'-	8"	2'-	0"	1'-	6"	1'-	8"
95	1'-	10"	1'-	5"	1'-	7"	1'-	10"	1'-	5"	1'-	7"
100	1'-	9"	1'-	4"	1'-	6"	1'-	9"	1'-	4"	1'-	6"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	1.07712 in	Yt =	1.07712 in
Yb =	0.3364 in	Yb =	0.3364 in
St =	0.0836 in ³ /ft	St =	0.0836 in ³ /ft
Sb =	0.2678 in ³ /ft	Sb =	0.2678 in ³ /ft
I =	0.0901 in ⁴ /ft	I =	0.0901 in ⁴ /ft
Ma+ =	0.276 ft-k/ft	Ma+ =	0.086 ft-k/ft
Ma- =	0.112 ft-k/ft	Ma- =	0.104 ft-k/ft
Pc,int =	187 lb/ft	Pc,int =	187 lb/ft
Pc,end =	91 lb/ft	Pc,end =	91 lb/ft

L/180 DEFLECTION CRITERIA

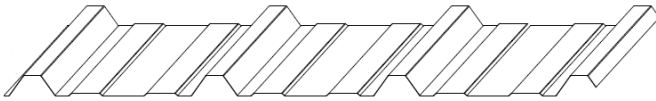
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 6'-	5"	7'-	2"	* 7'-	11"	* 6'-	5"	8'-	0"	* 7'-	11"
15	* 5'-	7"	5'-	7"	6'-	3"	* 5'-	7"	6'-	2"	6'-	11"
20	* 5'-	1"	4'-	8"	5'-	3"	* 5'-	1"	5'-	1"	5'-	8"
25	* 4'-	9"	4'-	0"	4'-	6"	* 4'-	9"	4'-	4"	4'-	10"
30	* 4'-	5"	3'-	6"	3'-	11"	* 4'-	5"	3'-	9"	4'-	3"
35	* 4'-	3"	3'-	1"	3'-	6"	* 4'-	3"	3'-	4"	3'-	9"
40	* 4'-	0"	2'-	10"	3'-	2"	* 4'-	0"	3'-	0"	3'-	5"
45	* 3'-	10"	2'-	7"	2'-	11"	* 3'-	10"	2'-	9"	3'-	1"
50	3'-	7"	2'-	4"	2'-	8"	3'-	7"	2'-	6"	2'-	10"
55	3'-	3"	2'-	2"	2'-	6"	3'-	3"	2'-	4"	2'-	7"
60	3'-	0"	2'-	1"	2'-	4"	3'-	0"	2'-	2"	2'-	5"
65	2'-	9"	1'-	11"	2'-	2"	2'-	9"	2'-	0"	2'-	3"
70	2'-	7"	1'-	10"	2'-	0"	2'-	7"	1'-	10"	2'-	1"
75	2'-	5"	1'-	8"	1'-	11"	2'-	5"	1'-	9"	2'-	0"
80	2'-	3"	1'-	7"	1'-	10"	2'-	3"	1'-	8"	1'-	11"
85	2'-	1"	1'-	6"	1'-	9"	2'-	1"	1'-	7"	1'-	9"
90	2'-	0"	1'-	5"	1'-	8"	2'-	0"	1'-	6"	1'-	8"
95	1'-	10"	1'-	5"	1'-	7"	1'-	10"	1'-	5"	1'-	7"
100	1'-	9"	1'-	4"	1'-	6"	1'-	9"	1'-	4"	1'-	6"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	1.07712 in	Yt =	1.07712 in
Yb =	0.3364 in	Yb =	0.3364 in
St =	0.0836 in ³ /ft	St =	0.0836 in ³ /ft
Sb =	0.2678 in ³ /ft	Sb =	0.2678 in ³ /ft
I =	0.0901 in ⁴ /ft	I =	0.0901 in ⁴ /ft
Ma+ =	0.276 ft-k/ft	Ma+ =	0.086 ft-k/ft
Ma- =	0.112 ft-k/ft	Ma- =	0.104 ft-k/ft
Pc,int =	187 lb/ft	Pc,int =	187 lb/ft
Pc,end =	91 lb/ft	Pc,end =	91 lb/ft

L/240 DEFLECTION CRITERIA

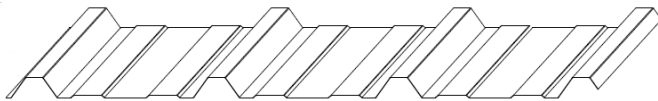
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 5'-	10"	7'-	2"	* 7'-	3"	* 5'-	10"	* 7'-	10"	* 7'-	3"
15	* 5'-	1"	5'-	7"	6'-	3"	* 5'-	1"	6'-	2"	* 6'-	4"
20	* 4'-	7"	4'-	8"	5'-	3"	* 4'-	7"	5'-	1"	5'-	8"
25	* 4'-	3"	4'-	0"	4'-	6"	* 4'-	3"	4'-	4"	4'-	10"
30	* 4'-	0"	3'-	6"	3'-	11"	* 4'-	0"	3'-	9"	4'-	3"
35	* 3'-	10"	3'-	1"	3'-	6"	* 3'-	10"	3'-	4"	3'-	9"
40	* 3'-	8"	2'-	10"	3'-	2"	* 3'-	8"	3'-	0"	3'-	5"
45	* 3'-	6"	2'-	7"	2'-	11"	* 3'-	6"	2'-	9"	3'-	1"
50	* 3'-	5"	2'-	4"	2'-	8"	* 3'-	5"	2'-	6"	2'-	10"
55	3'-	3"	2'-	2"	2'-	6"	3'-	3"	2'-	4"	2'-	7"
60	3'-	0"	2'-	1"	2'-	4"	3'-	0"	2'-	2"	2'-	5"
65	2'-	9"	1'-	11"	2'-	2"	2'-	9"	2'-	0"	2'-	3"
70	2'-	7"	1'-	10"	2'-	0"	2'-	7"	1'-	10"	2'-	1"
75	2'-	5"	1'-	8"	1'-	11"	2'-	5"	1'-	9"	2'-	0"
80	2'-	3"	1'-	7"	1'-	10"	2'-	3"	1'-	8"	1'-	11"
85	2'-	1"	1'-	6"	1'-	9"	2'-	1"	1'-	7"	1'-	9"
90	2'-	0"	1'-	5"	1'-	8"	2'-	0"	1'-	6"	1'-	8"
95	1'-	10"	1'-	4"	1'-	7"	1'-	10"	1'-	5"	1'-	7"
100	1'-	9"	1'-	4"	1'-	6"	1'-	9"	1'-	4"	1'-	6"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	1.07712 in	Yt =	1.07712 in
Yb =	0.3364 in	Yb =	0.3364 in
St =	0.1060 in ³ /ft	St =	0.1060 in ³ /ft
Sb =	0.3392 in ³ /ft	Sb =	0.3392 in ³ /ft
I =	0.1141 in ⁴ /ft	I =	0.1141 in ⁴ /ft
Ma+ =	0.350 ft-k/ft	Ma+ =	0.109 ft-k/ft
Ma- =	0.157 ft-k/ft	Ma- =	0.139 ft-k/ft
Pc,int =	299 lb/ft	Pc,int =	299 lb/ft
Pc,end =	146 lb/ft	Pc,end =	146 lb/ft

L/120 DEFLECTION CRITERIA

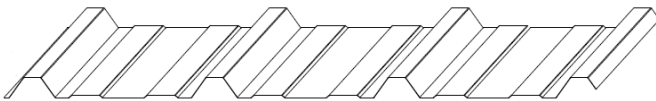
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 8'-0"	0"	8'-7"	7"	9'-7"	7"	* 8'-0"	0"	10'-0"	0"	* 9'-10"	10"
15	* 6'-11"	11"	6'-9"	9"	7'-7"	7"	* 6'-11"	11"	7'-11"	11"	* 8'-7"	7"
20	* 6'-4"	4"	5'-9"	9"	6'-5"	5"	* 6'-4"	4"	6'-7"	7"	7'-5"	5"
25	* 5'-10"	10"	5'-0"	0"	5'-7"	7"	* 5'-10"	10"	5'-8"	8"	6'-5"	5"
30	* 5'-6"	6"	4'-5"	5"	5'-0"	0"	5'-6"	6"	5'-1"	1"	5'-8"	8"
35	* 5'-3"	3"	4'-0"	0"	4'-6"	6"	4'-11"	11"	4'-7"	7"	5'-1"	1"
40	* 5'-0"	0"	3'-8"	8"	4'-2"	2"	4'-8"	8"	4'-2"	2"	4'-8"	8"
45	* 4'-10"	10"	3'-5"	5"	3'-10"	10"	4'-4"	4"	3'-10"	10"	4'-3"	3"
50	* 4'-8"	8"	3'-2"	2"	3'-7"	7"	4'-2"	2"	3'-6"	6"	4'-0"	0"
55	* 4'-6"	6"	2'-11"	11"	3'-4"	4"	3'-11"	11"	3'-3"	3"	3'-8"	8"
60	* 4'-4"	4"	2'-9"	9"	3'-2"	2"	3'-9"	9"	3'-1"	1"	3'-6"	6"
65	* 4'-3"	3"	2'-7"	7"	2'-11"	11"	3'-7"	7"	2'-11"	11"	3'-3"	3"
70	4'-2"	2"	2'-6"	6"	2'-10"	10"	3'-6"	6"	2'-9"	9"	3'-1"	1"
75	3'-10"	10"	2'-4"	4"	2'-8"	8"	3'-4"	4"	2'-7"	7"	2'-11"	11"
80	3'-7"	7"	2'-3"	3"	2'-6"	6"	3'-2"	2"	2'-5"	5"	2'-9"	9"
85	3'-5"	5"	2'-2"	2"	2'-5"	5"	3'-2"	2"	2'-4"	4"	2'-7"	7"
90	3'-2"	2"	2'-1"	1"	2'-4"	4"	3'-1"	1"	2'-3"	3"	2'-6"	6"
95	3'-0"	0"	2'-0"	0"	2'-3"	3"	3'-0"	0"	2'-1"	1"	2'-5"	5"
100	2'-11"	11"	1'-11"	11"	2'-2"	2"	2'-11"	11"	2'-0"	0"	2'-3"	3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	1.07712 in	Yt =	1.07712 in
Yb =	0.3364 in	Yb =	0.3364 in
St =	0.1060 in ³ /ft	St =	0.1060 in ³ /ft
Sb =	0.3392 in ³ /ft	Sb =	0.3392 in ³ /ft
I =	0.1141 in ⁴ /ft	I =	0.1141 in ⁴ /ft
Ma+ =	0.350 ft-k/ft	Ma+ =	0.109 ft-k/ft
Ma- =	0.157 ft-k/ft	Ma- =	0.139 ft-k/ft
Pc,int =	299 lb/ft	Pc,int =	299 lb/ft
Pc,end =	146 lb/ft	Pc,end =	146 lb/ft

L/180 DEFLECTION CRITERIA

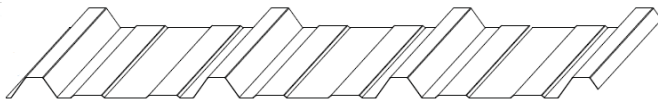
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 6'-	11"	8'-	7"	* 8'-	7"	* 6'-	11"	* 9'-	4"	* 8'-	7"
15	* 6'-	1"	6'-	9"	* 7'-	6"	* 6'-	1"	7'-	11"	* 7'-	6"
20	* 5'-	6"	5'-	9"	6'-	5"	* 5'-	6"	6'-	7"	* 6'-	10"
25	* 5'-	1"	5'-	0"	5'-	7"	* 5'-	1"	5'-	8"	* 6'-	4"
30	* 4'-	10"	4'-	5"	5'-	0"	* 4'-	10"	5'-	1"	5'-	8"
35	* 4'-	7"	4'-	0"	4'-	6"	* 4'-	7"	4'-	7"	5'-	1"
40	* 4'-	4"	3'-	8"	4'-	2"	* 4'-	4"	4'-	2"	4'-	8"
45	* 4'-	2"	3'-	5"	3'-	10"	* 4'-	2"	3'-	10"	4'-	3"
50	* 4'-	1"	3'-	2"	3'-	7"	* 4'-	1"	3'-	6"	4'-	0"
55	* 3'-	11"	2'-	11"	3'-	4"	3'-	11"	3'-	3"	3'-	8"
60	* 3'-	10"	2'-	9"	3'-	2"	3'-	9"	3'-	1"	3'-	6"
65	* 3'-	8"	2'-	7"	2'-	11"	3'-	7"	2'-	11"	3'-	3"
70	* 3'-	7"	2'-	6"	2'-	10"	3'-	6"	2'-	9"	3'-	1"
75	* 3'-	6"	2'-	4"	2'-	8"	3'-	4"	2'-	7"	2'-	11"
80	* 3'-	5"	2'-	3"	2'-	6"	3'-	2"	2'-	5"	2'-	9"
85	* 3'-	5"	2'-	2"	2'-	5"	3'-	2"	2'-	4"	2'-	7"
90	3'-	2"	2'-	1"	2'-	4"	3'-	1"	2'-	3"	2'-	6"
95	3'-	0"	2'-	0"	2'-	3"	3'-	0"	2'-	1"	2'-	5"
100	2'-	11"	1'-	11"	2'-	2"	2'-	11"	2'-	0"	2'-	3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	1.07712 in	Yt =	1.07712 in
Yb =	0.3364 in	Yb =	0.3364 in
St =	0.1060 in ³ /ft	St =	0.1060 in ³ /ft
Sb =	0.3392 in ³ /ft	Sb =	0.3392 in ³ /ft
I =	0.1141 in ⁴ /ft	I =	0.1141 in ⁴ /ft
Ma+ =	0.350 ft-k/ft	Ma+ =	0.109 ft-k/ft
Ma- =	0.157 ft-k/ft	Ma- =	0.139 ft-k/ft
Pc,int =	299 lb/ft	Pc,int =	299 lb/ft
Pc,end =	146 lb/ft	Pc,end =	146 lb/ft

L/240 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 6'-	4"	* 8'-	6"	* 7'-	10"	* 6'-	4"	* 8'-	6"	* 7'-	10"
15	* 5'-	6"	6'-	9"	* 6'-	10"	* 5'-	6"	* 7'-	5"	* 6'-	10"
20	* 5'-	0"	5'-	9"	* 6'-	2"	* 5'-	0"	6'-	7"	* 6'-	2"
25	* 4'-	8"	5'-	0"	5'-	7"	* 4'-	8"	5'-	8"	* 5'-	9"
30	* 4'-	4"	4'-	5"	5'-	0"	* 4'-	4"	5'-	1"	* 5'-	5"
35	* 4'-	2"	4'-	0"	4'-	6"	* 4'-	2"	4'-	7"	5'-	1"
40	* 4'-	0"	3'-	8"	4'-	2"	* 4'-	0"	4'-	2"	4'-	8"
45	* 3'-	10"	3'-	5"	3'-	10"	* 3'-	10"	3'-	10"	4'-	3"
50	* 3'-	8"	3'-	2"	3'-	7"	* 3'-	8"	3'-	6"	4'-	0"
55	* 3'-	7"	2'-	11"	3'-	4"	* 3'-	7"	3'-	3"	3'-	8"
60	* 3'-	5"	2'-	9"	3'-	2"	* 3'-	5"	3'-	1"	3'-	6"
65	* 3'-	4"	2'-	7"	2'-	11"	* 3'-	4"	2'-	11"	3'-	3"
70	* 3'-	3"	2'-	6"	2'-	10"	* 3'-	3"	2'-	9"	3'-	1"
75	* 3'-	2"	2'-	4"	2'-	8"	* 3'-	2"	2'-	7"	2'-	11"
80	* 3'-	2"	2'-	3"	2'-	6"	* 3'-	2"	2'-	5"	2'-	9"
85	* 3'-	1"	2'-	2"	2'-	5"	* 3'-	1"	2'-	4"	2'-	7"
90	* 3'-	0"	2'-	1"	2'-	4"	* 3'-	0"	2'-	3"	2'-	6"
95	* 2'-	11"	2'-	0"	2'-	3"	* 2'-	11"	2'-	1"	2'-	5"
100	2'-	11"	1'-	11"	2'-	2"	2'-	11"	2'-	0"	2'-	3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.888 in	Yt =	0.888 in
St =	0.173 in ³ /ft (bend)	St =	0.173 in ³ /ft (bend)
Sb =	0.251 in ³ /ft (bend)	Sb =	0.251 in ³ /ft (bend)
I =	0.153 in ⁴ /ft (defl)	I =	0.153 in ⁴ /ft (defl)
Ma+ =	0.280 ft-k/ft	Ma+ =	0.193 ft-k/ft
Ma- =	0.108 ft-k/ft	Ma- =	0.080 ft-k/ft
Pc,int =	408 lb/ft	Pc,int =	408 lb/ft
Pc,end =	198 lb/ft	Pc,end =	198 lb/ft

L/120 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 8'-	9"	7'-	8'	8'-	7"	7'-	11"	8'-	10"	9'-	10"
15	7'-	7"	6'-	2'	6'-	11"	6'-	6"	7'-	1"	7'-	11"
20	6'-	6"	5'-	3'	5'-	11"	5'-	7"	6'-	0"	6'-	9"
25	5'-	10"	4'-	8'	5'-	2"	5'-	0"	5'-	3"	5'-	11"
30	5'-	4"	4'-	2'	4'-	8"	4'-	7"	4'-	9"	5'-	4"
35	4'-	11'	3'-	10'	4'-	3"	4'-	3"	4'-	4"	4'-	10"
40	4'-	7'	3'-	6'	4'-	0"	3'-	11"	4'-	0"	4'-	6"
45	4'-	4"	3'-	3'	3'-	8"	3'-	9"	3'-	9"	4'-	2"
50	4'-	1'	3'-	1'	3'-	6"	3'-	6"	3'-	6"	3'-	11"
55	3'-	11'	2'-	11"	3'-	3"	3'-	4"	3'-	3"	3'-	8"
60	3'-	9"	2'-	9"	3'-	1"	3'-	3"	3'-	1"	3'-	6"
65	3'-	7'	2'-	7"	2'-	11"	3'-	1"	2'-	11"	3'-	4"
70	3'-	6"	2'-	6"	2'-	10"	3'-	0"	2'-	10"	3'-	2"
75	3'-	4"	2'-	5"	2'-	8"	2'-	11"	2'-	8"	3'-	0"
80	3'-	3"	2'-	4"	2'-	7"	2'-	9"	2'-	7"	2'-	11"
85	3'-	2"	2'-	2"	2'-	6"	2'-	8"	2'-	5"	2'-	9"
90	3'-	1"	2'-	2"	2'-	5"	2'-	7"	2'-	4"	2'-	8"
95	3'-	0"	2'-	1"	2'-	4"	2'-	7"	2'-	3"	2'-	7"
100	2'-	11'	2'-	0"	2'-	3'	2'-	6"	2'-	2"	2'-	6"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.888 in	Yt =	0.888 in
St =	0.173 in ³ /ft (bend)	St =	0.173 in ³ /ft (bend)
Sb =	0.251 in ³ /ft (bend)	Sb =	0.251 in ³ /ft (bend)
I =	0.153 in ⁴ /ft (defl)	I =	0.153 in ⁴ /ft (defl)
Ma+ =	0.280 ft-k/ft	Ma+ =	0.193 ft-k/ft
Ma- =	0.108 ft-k/ft	Ma- =	0.080 ft-k/ft
Pc,int =	408 lb/ft	Pc,int =	408 lb/ft
Pc,end =	198 lb/ft	Pc,end =	198 lb/ft

L/180 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 7'-	8"	7'-	8"	8'-	7"	* 7'-	8"	8'-	10"	* 9'-	6"
15	* 6'-	8"	6'-	2"	6'-	11"	6'-	6"	7'-	1"	7'-	11"
20	* 6'-	1"	5'-	3"	5'-	11"	5'-	7"	6'-	0"	6'-	9"
25	* 5'-	8"	4'-	8"	5'-	2"	5'-	0"	5'-	3"	5'-	11"
30	5'-	4"	4'-	2"	4'-	8"	4'-	7"	4'-	9"	5'-	4"
35	4'-	11"	3'-	10"	4'-	3"	4'-	3"	4'-	4"	4'-	10"
40	4'-	7"	3'-	6"	4'-	0"	3'-	11"	4'-	0"	4'-	6"
45	4'-	4"	3'-	3"	3'-	8"	3'-	9"	3'-	9"	4'-	2"
50	4'-	1"	3'-	1"	3'-	6"	3'-	6"	3'-	6"	3'-	11"
55	3'-	11"	2'-	11"	3'-	3"	3'-	4"	3'-	3"	3'-	8"
60	3'-	9"	2'-	9"	3'-	1"	3'-	3"	3'-	1"	3'-	6"
65	3'-	7"	2'-	7"	2'-	11"	3'-	1"	2'-	11"	3'-	4"
70	3'-	6"	2'-	6"	2'-	10"	3'-	0"	2'-	10"	3'-	2"
75	3'-	4"	2'-	5"	2'-	8"	2'-	11"	2'-	8"	3'-	0"
80	3'-	3"	2'-	4"	2'-	7"	2'-	9"	2'-	7"	2'-	11"
85	3'-	2"	2'-	2"	2'-	6"	2'-	8"	2'-	5"	2'-	9"
90	3'-	1"	2'-	2"	2'-	5"	2'-	7"	2'-	4"	2'-	8"
95	3'-	0"	2'-	1"	2'-	4"	2'-	7"	2'-	3"	2'-	7"
100	2'-	11"	2'-	0"	2'-	3"	2'-	6"	2'-	2"	2'-	6"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.888 in	Yt =	0.888 in
St =	0.173 in ³ /ft (bend)	St =	0.173 in ³ /ft (bend)
Sb =	0.251 in ³ /ft (bend)	Sb =	0.251 in ³ /ft (bend)
I =	0.153 in ⁴ /ft (defl)	I =	0.153 in ⁴ /ft (defl)
Ma+ =	0.280 ft-k/ft	Ma+ =	0.193 ft-k/ft
Ma- =	0.108 ft-k/ft	Ma- =	0.080 ft-k/ft
Pc,int =	408 lb/ft	Pc,int =	408 lb/ft
Pc,end =	198 lb/ft	Pc,end =	198 lb/ft

L/240 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 7'-0"	0"	7'-8"	8"	8'-7"	7"	* 7'-0"	0"	8'-10"	10"	* 8'-7"	7"
15	* 6'-1"	1"	6'-2"	2"	6'-11"	11"	* 6'-1"	1"	7'-1"	1"	* 7'-6"	6"
20	* 5'-6"	6"	5'-3"	3"	5'-11"	11"	* 5'-6"	6"	6'-0"	0"	6'-9"	9"
25	* 5'-1"	1"	4'-8"	8"	5'-2"	2"	5'-0"	0"	5'-3"	3"	5'-11"	11"
30	* 4'-10"	10"	4'-2"	2"	4'-8"	8"	4'-7"	7"	4'-9"	9"	5'-4"	4"
35	* 4'-7"	7"	3'-10"	10"	4'-3"	3"	4'-3"	3"	4'-4"	4"	4'-10"	10"
40	* 4'-4"	4"	3'-6"	6"	4'-0"	0"	3'-11"	11"	4'-0"	0"	4'-6"	6"
45	* 4'-2"	2"	3'-3"	3"	3'-8"	8"	3'-9"	9"	3'-9"	9"	4'-2"	2"
50	* 4'-1"	1"	3'-1"	1"	3'-6"	6"	3'-6"	6"	3'-6"	6"	3'-11"	11"
55	3'-11"	11"	2'-11"	11"	3'-3"	3"	3'-4"	4"	3'-3"	3"	3'-8"	8"
60	3'-9"	9"	2'-9"	9"	3'-1"	1"	3'-3"	3"	3'-1"	1"	3'-6"	6"
65	3'-7"	7"	2'-7"	7"	2'-11"	11"	3'-1"	1"	2'-11"	11"	3'-4"	4"
70	3'-6"	6"	2'-6"	6"	2'-10"	10"	3'-0"	0"	2'-10"	10"	3'-2"	2"
75	3'-4"	4"	2'-5"	5"	2'-8"	8"	2'-11"	11"	2'-8"	8"	3'-0"	0"
80	3'-3"	3"	2'-4"	4"	2'-7"	7"	2'-9"	9"	2'-7"	7"	2'-11"	11"
85	3'-2"	2"	2'-2"	2"	2'-6"	6"	2'-8"	8"	2'-5"	5"	2'-9"	9"
90	3'-1"	1"	2'-2"	2"	2'-5"	5"	2'-7"	7"	2'-4"	4"	2'-8"	8"
95	3'-0"	0"	2'-1"	1"	2'-4"	4"	2'-7"	7"	2'-3"	3"	2'-7"	7"
100	2'-11"	11"	2'-0"	0"	2'-3"	3"	2'-6"	6"	2'-2"	2"	2'-6"	6"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.888 in	Yt =	0.888 in
St =	0.218 in ³ /ft (bend)	St =	0.218 in ³ /ft (bend)
Sb =	0.317 in ³ /ft (bend)	Sb =	0.317 in ³ /ft (bend)
I =	0.194 in ⁴ /ft (defl)	I =	0.194 in ⁴ /ft (defl)
Ma+ =	0.354 ft-k/ft	Ma+ =	0.244 ft-k/ft
Ma- =	0.151 ft-k/ft	Ma- =	0.128 ft-k/ft
Pc,int =	654 lb/ft	Pc,int =	654 lb/ft
Pc,end =	318 lb/ft	Pc,end =	318 lb/ft

L/120 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 9'-	6"	9'-	10"	11'-	0"	* 9'-	6"	10'-	7"	* 11'-	9"
15	* 8'-	4"	7'-	11"	8'-	10"	8'-	3"	8'-	7"	9'-	-7"
20	* 7'-	6"	6'-	9"	7'-	7"	7'-	1"	7'-	4"	8'-	2"
25	6'-	11"	6'-	0"	6'-	9"	6'-	4"	6'-	6"	7'-	3"
30	6'-	4"	5'-	5"	6'-	1"	5'-	10"	5'-	10"	6'-	7"
35	5'-	10"	5'-	0"	5'-	7"	5'-	4"	5'-	4"	6'-	0"
40	5'-	5"	4'-	8"	5'-	2"	5'-	0"	5'-	0"	5'-	7"
45	5'-	2"	4'-	4"	4'-	10"	4'-	9"	4'-	8"	5'-	3"
50	4'-	10"	4'-	1"	4'-	7"	4'-	6"	4'-	4"	4'-	11"
55	4'-	8"	3'-	10"	4'-	4"	4'-	3"	4'-	2"	4'-	8"
60	4'-	5"	3'-	8"	4'-	1"	4'-	1"	3'-	11"	4'-	5"
65	4'-	3"	3'-	6"	3'-	11"	3'-	11"	3'-	9"	4'-	2"
70	4'-	1"	3'-	4"	3'-	9"	3'-	9"	3'-	7"	4'-	0"
75	4'-	0"	3'-	3"	3'-	7"	3'-	8"	3'-	5"	3'-	10"
80	3'-	10"	3'-	1"	3'-	6"	3'-	6"	3'-	4"	3'-	8"
85	3'-	9"	3'-	0"	3'-	4"	3'-	5"	3'-	2"	3'-	7"
90	3'-	7"	2'-	10"	3'-	3"	3'-	4"	3'-	1"	3'-	5"
95	3'-	6"	2'-	9"	3'-	1"	3'-	3"	3'-	0"	3'-	4"
100	3'-	5"	2'-	8"	3'-	0"	3'-	2"	2'-	10"	3'-	3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.888 in	Yt =	0.888 in
St =	0.218 in ³ /ft (bend)	St =	0.218 in ³ /ft (bend)
Sb =	0.317 in ³ /ft (bend)	Sb =	0.317 in ³ /ft (bend)
I =	0.194 in ⁴ /ft (defl)	I =	0.194 in ⁴ /ft (defl)
Ma+ =	0.354 ft-k/ft	Ma+ =	0.244 ft-k/ft
Ma- =	0.151 ft-k/ft	Ma- =	0.128 ft-k/ft
Pc,int =	654 lb/ft	Pc,int =	654 lb/ft
Pc,end =	318 lb/ft	Pc,end =	318 lb/ft

L/180 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 8'-	4"	9'-	10"	* 10'-	3"	* 8'-	4"	10'-	7"	* 10'-	3"
15	* 7'-	3"	7'-	11"	8'-	10"	* 7'-	3"	8'-	7"	* 9'-	0"
20	* 6'-	7"	6'-	9"	7'-	7"	* 6'-	7"	7'-	4"	* 8'-	2"
25	* 6'-	1"	6'-	0"	6'-	9"	* 6'-	1"	6'-	6"	7'-	3"
30	* 5'-	9"	5'-	5"	6'-	1"	* 5'-	9"	5'-	10"	6'-	7"
35	* 5'-	5"	5'-	0"	5'-	7"	5'-	4"	5'-	4"	6'-	0"
40	* 5'-	3"	4'-	8"	5'-	2"	5'-	0"	5'-	0"	5'-	7"
45	* 5'-	0"	4'-	4"	4'-	10"	4'-	9"	4'-	8"	5'-	3"
50	* 4'-	10"	4'-	1"	4'-	7"	4'-	6"	4'-	4"	4'-	11"
55	4'-	8"	3'-	10"	4'-	4"	4'-	3"	4'-	2"	4'-	8"
60	4'-	5"	3'-	8"	4'-	1"	4'-	1"	3'-	11"	4'-	5"
65	4'-	3"	3'-	6"	3'-	11"	3'-	11"	3'-	9"	4'-	2"
70	4'-	1"	3'-	4"	3'-	9"	3'-	9"	3'-	7"	4'-	0"
75	4'-	0"	3'-	3"	3'-	7"	3'-	8"	3'-	5"	3'-	10"
80	3'-	10"	3'-	1"	3'-	6"	3'-	6"	3'-	4"	3'-	8"
85	3'-	9"	3'-	0"	3'-	4"	3'-	5"	3'-	2"	3'-	7"
90	3'-	7"	2'-	10"	3'-	3"	3'-	4"	3'-	1"	3'-	5"
95	3'-	6"	2'-	9"	3'-	1"	3'-	3"	3'-	0"	3'-	4"
100	3'-	5"	2'-	8"	3'-	0"	3'-	2"	2'-	10"	3'-	3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.888 in	Yt =	0.888 in
St =	0.218 in ³ /ft (bend)	St =	0.218 in ³ /ft (bend)
Sb =	0.317 in ³ /ft (bend)	Sb =	0.317 in ³ /ft (bend)
I =	0.194 in ⁴ /ft (defl)	I =	0.194 in ⁴ /ft (defl)
Ma+ =	0.354 ft-k/ft	Ma+ =	0.244 ft-k/ft
Ma- =	0.151 ft-k/ft	Ma- =	0.128 ft-k/ft
Pc,int =	654 lb/ft	Pc,int =	654 lb/ft
Pc,end =	318 lb/ft	Pc,end =	318 lb/ft

L/240 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 7'-	6"	9'-	10"	* 9'-	4"	* 7'-	6"	* 10'-	1"	* 9'-	4"
15	* 6'-	7"	7'-	11"	* 8'-	2"	* 6'-	7"	8'-	7"	* 8'-	2"
20	* 6'-	0"	6'-	9"	* 7'-	5"	* 6'-	0"	7'-	4"	* 7'-	5"
25	* 5'-	6"	6'-	0"	6'-	9"	* 5'-	6"	6'-	6"	* 6'-	10"
30	* 5'-	3"	5'-	5"	6'-	1"	* 5'-	3"	5'-	10"	* 6'-	5"
35	* 4'-	11"	5'-	0"	5'-	7"	* 4'-	11"	5'-	4"	6'-	0"
40	* 4'-	9"	4'-	8"	5'-	2"	* 4'-	9"	5'-	0"	5'-	7"
45	* 4'-	7"	4'-	4"	4'-	10"	* 4'-	7"	4'-	8"	5'-	3"
50	* 4'-	5"	4'-	1"	4'-	7"	* 4'-	5"	4'-	4"	4'-	11"
55	* 4'-	3"	3'-	10"	4'-	4"	* 4'-	3"	4'-	2"	4'-	8"
60	* 4'-	2"	3'-	8"	4'-	1"	4'-	1"	3'-	11"	4'-	5"
65	* 4'-	0"	3'-	6"	3'-	11"	3'-	11"	3'-	9"	4'-	2"
70	* 3'-	11"	3'-	4"	3'-	9"	3'-	9"	3'-	7"	4'-	0"
75	* 3'-	10"	3'-	3"	3'-	7"	3'-	8"	3'-	5"	3'-	10"
80	* 3'-	9"	3'-	1"	3'-	6"	3'-	6"	3'-	4"	3'-	8"
85	* 3'-	8"	3'-	0"	3'-	4"	3'-	5"	3'-	2"	3'-	7"
90	3'-	7"	2'-	10"	3'-	3"	3'-	4"	3'-	1"	3'-	5"
95	3'-	6"	2'-	9"	3'-	1"	3'-	3"	3'-	0"	3'-	4"
100	3'-	5"	2'-	8"	3'-	0"	3'-	2"	2'-	10"	3'-	3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.7322 in	Yt =	0.7322 in
St =	0.8037 in ³ /ft (bend)	St =	0.8037 in ³ /ft (bend)
Sb =	0.7832 in ³ /ft (bend)	Sb =	0.7832 in ³ /ft (bend)
I =	0.6013 in ⁴ /ft (defl)	I =	0.6013 in ⁴ /ft (defl)

L/180 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 12'-	1"	* 16'-	3"	* 14'-	11"	* 12'-	1"	* 16'-	3"	* 14'-	11"
15	* 10'-	7"	* 14'-	2"	* 13'-	1"	* 10'-	7"	* 14'-	2"	* 13'-	1"
20	* 9'-	7"	* 12'-	10"	* 11'-	10"	* 9'-	7"	* 12'-	10"	* 11'-	10"
25	* 8'-	11"	* 11'-	11"	* 11'-	0"	* 8'-	11"	* 11'-	11"	* 11'-	0"
30	* 8'-	4"	11'-	2"	* 10'-	4"	* 8'-	4"	11'-	2"	* 10'-	4"
35	* 7'-	11"	10'-	4"	* 9'-	10"	* 7'-	11"	10'-	4"	* 9'-	10"
40	* 7'-	7"	9'-	8"	* 9'-	5"	* 7'-	7"	9'-	8"	* 9'-	5"
45	* 7'-	4"	9'-	1"	* 9'-	0"	* 7'-	4"	9'-	1"	* 9'-	0"
50	* 7'-	1"	8'-	7"	* 8'-	9"	* 7'-	1"	8'-	8"	* 8'-	9"
55	* 6'-	10"	8'-	2"	* 8'-	5"	* 6'-	10"	8'-	3"	* 8'-	5"
60	* 6'-	8"	7'-	10"	* 8'-	2"	* 6'-	8"	7'-	11"	* 8'-	2"
65	* 6'-	5"	7'-	7"	* 8'-	0"	* 6'-	5"	7'-	7"	* 8'-	0"
70	* 6'-	4"	7'-	3"	* 7'-	9"	* 6'-	4"	7'-	4"	* 7'-	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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.7322 in	Yt =	0.7322 in
St =	0.8037 in ³ /ft (bend)	St =	0.8037 in ³ /ft (bend)
Sb =	0.7832 in ³ /ft (bend)	Sb =	0.7832 in ³ /ft (bend)
I =	0.6013 in ⁴ /ft (defl)	I =	0.6013 in ⁴ /ft (defl)

L/240 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 11'-	0"	* 14'-	9"	* 13'-	7"	* 11'-	0"	* 14'-	9"	* 13'-	7"
15	* 9'-	7"	* 12'-	10"	* 11'-	10"	* 9'-	7"	* 12'-	10"	* 11'-	10"
20	* 8'-	8"	* 11'-	8"	* 10'-	9"	* 8'-	8"	* 11'-	8"	* 10'-	9"
25	* 8'-	1"	* 10'-	10"	* 10'-	0"	* 8'-	1"	* 10'-	10"	* 10'-	0"
30	* 7'-	7"	* 10'-	2"	* 9'-	5"	* 7'-	7"	* 10'-	2"	* 9'-	5"
35	* 7'-	3"	* 9'-	8"	* 8'-	11"	* 7'-	3"	* 9'-	8"	* 8'-	11"
40	* 6'-	11"	* 9'-	3"	* 8'-	6"	* 6'-	11"	* 9'-	3"	* 8'-	6"
45	* 6'-	8"	* 8'-	11"	* 8'-	2"	* 6'-	8"	* 8'-	11"	* 8'-	2"
50	* 6'-	5"	* 8'-	7"	* 7'-	11"	* 6'-	5"	* 8'-	7"	* 7'-	11"
55	* 6'-	2"	8'-	2"	* 7'-	8"	* 6'-	2"	8'-	3"	* 7'-	8"
60	* 6'-	0"	7'-	10"	* 7'-	5"	* 6'-	0"	7'-	11"	* 7'-	5"
65	* 5'-	10"	7'-	7"	* 7'-	3"	* 5'-	10"	7'-	7"	* 7'-	3"
70	* 5'-	9"	7'-	3"	* 7'-	1"	* 5'-	9"	7'-	4"	* 7'-	1"

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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.7322 in	Yt =	0.7322 in
St =	0.9992 in ³ /ft (bend)	St =	0.9992 in ³ /ft (bend)
Sb =	0.9790 in ³ /ft (bend)	Sb =	0.9790 in ³ /ft (bend)
I =	0.7517 in ⁴ /ft (defl)	I =	0.7517 in ⁴ /ft (defl)

L/180 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 13'-	0"	* 17'-	6"	* 16'-	1"	* 13'-	0"	* 17'-	6"	* 16'-	1"
15	* 11'-	4"	* 15'-	3"	* 14'-	1"	* 11'-	4"	* 15'-	3"	* 14'-	1"
20	* 10'-	4"	* 13'-	10"	* 12'-	9"	* 10'-	4"	* 13'-	10"	* 12'-	9"
25	* 9'-	7"	* 12'-	10"	* 11'-	10"	* 9'-	7"	* 12'-	10"	* 11'-	10"
30	* 9'-	0"	* 12'-	1"	* 11'-	2"	* 9'-	0"	* 12'-	1"	* 11'-	2"
35	* 8'-	7"	* 11'-	6"	* 10'-	7"	* 8'-	7"	* 11'-	6"	* 10'-	7"
40	* 8'-	2"	* 11'-	0"	* 10'-	1"	* 8'-	2"	* 11'-	0"	* 10'-	1"
45	* 7'-	10"	* 10'-	7"	* 9'-	9"	* 7'-	10"	* 10'-	7"	* 9'-	9"
50	* 7'-	7"	* 10'-	2"	* 9'-	5"	* 7'-	7"	* 10'-	2"	* 9'-	5"
55	* 7'-	4"	9'-	10"	* 9'-	1"	* 7'-	4"	9'-	10"	* 9'-	1"
60	* 7'-	2"	9'-	5"	* 8'-	10"	* 7'-	2"	9'-	5"	* 8'-	10"
65	* 6'-	11"	9'-	1"	* 8'-	7"	* 6'-	11"	9'-	1"	* 8'-	7"
70	* 6'-	9"	8'-	9"	* 8'-	5"	* 6'-	9"	8'-	9"	* 8'-	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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.7322 in	Yt =	0.7322 in
St =	0.9992 in ³ /ft (bend)	St =	0.9992 in ³ /ft (bend)
Sb =	0.9790 in ³ /ft (bend)	Sb =	0.9790 in ³ /ft (bend)
I =	0.7517 in ⁴ /ft (defl)	I =	0.7517 in ⁴ /ft (defl)

L/240 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 11'-	10"	* 15'-	10"	* 14'-	7"	* 11'-	10"	* 15'-	10"	* 14'-	7"
15	* 10'-	4"	* 13'-	10"	* 12'-	9"	* 10'-	4"	* 13'-	10"	* 12'-	9"
20	* 9'-	5"	* 12'-	7"	* 11'-	7"	* 9'-	5"	* 12'-	7"	* 11'-	7"
25	* 8'-	8"	* 11'-	8"	* 10'-	9"	* 8'-	8"	* 11'-	8"	* 10'-	9"
30	* 8'-	2"	* 11'-	0"	* 10'-	1"	* 8'-	2"	* 11'-	0"	* 10'-	1"
35	* 7'-	9"	* 10'-	5"	* 9'-	7"	* 7'-	9"	* 10'-	5"	* 9'-	7"
40	* 7'-	5"	* 10'-	0"	* 9'-	2"	* 7'-	5"	* 10'-	0"	* 9'-	2"
45	* 7'-	2"	* 9'-	7"	* 8'-	10"	* 7'-	2"	* 9'-	7"	* 8'-	10"
50	* 6'-	11"	* 9'-	3"	* 8'-	6"	* 6'-	11"	* 9'-	3"	* 8'-	6"
55	* 6'-	8"	* 9'-	0"	* 8'-	3"	* 6'-	8"	* 9'-	0"	* 8'-	3"
60	* 6'-	6"	* 8'-	9"	* 8'-	0"	* 6'-	6"	* 8'-	9"	* 8'-	0"
65	* 6'-	4"	* 8'-	6"	* 7'-	10"	* 6'-	4"	* 8'-	6"	* 7'-	10"
70	* 6'-	2"	* 8'-	3"	* 7'-	7"	* 6'-	2"	* 8'-	3"	* 7'-	7"

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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.7322 in	Yt =	0.7322 in
St =	1.2407 in ³ /ft (bend)	St =	1.2407 in ³ /ft (bend)
Sb =	1.2237 in ³ /ft (bend)	Sb =	1.2237 in ³ /ft (bend)
I =	0.9395 in ⁴ /ft (defl)	I =	0.9395 in ⁴ /ft (defl)

*L/180 DEFLECTION CRITERIA

LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 14'-	0"	* 18'-	10"	* 17'-	4"	* 14'-	0"	* 18'-	10"	* 17'-	4"
15	* 12'-	3"	* 16'-	5"	* 15'-	2"	* 12'-	3"	* 16'-	5"	* 15'-	2"
20	* 11'-	1"	* 14'-	11"	* 13'-	9"	* 11'-	1"	* 14'-	11"	* 13'-	9"
25	* 10'-	4"	* 13'-	10"	* 12'-	9"	* 10'-	4"	* 13'-	10"	* 12'-	9"
30	* 9'-	9"	* 13'-	0"	* 12'-	0"	* 9'-	9"	* 13'-	0"	* 12'-	0"
35	* 9'-	3"	* 12'-	5"	* 11'-	5"	* 9'-	3"	* 12'-	5"	* 11'-	5"
40	* 8'-	10"	* 11'-	10"	* 10'-	11"	* 8'-	10"	* 11'-	10"	* 10'-	11"
45	* 8'-	6"	* 11'-	5"	* 10'-	6"	* 8'-	6"	* 11'-	5"	* 10'-	6"
50	* 8'-	2"	* 11'-	0"	* 10'-	1"	* 8'-	2"	* 11'-	0"	* 10'-	1"
55	* 7'-	11"	* 10'-	8"	* 9'-	10"	* 7'-	11"	* 10'-	8"	* 9'-	10"
60	* 7'-	8"	* 10'-	4"	* 9'-	6"	* 7'-	8"	* 10'-	4"	* 9'-	6"
65	* 7'-	6"	* 10'-	1"	* 9'-	3"	* 7'-	6"	* 10'-	1"	* 9'-	3"
70	* 7'-	4"	* 9'-	10"	* 9'-	1"	* 7'-	4"	* 9'-	10"	* 9'-	1"

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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.7322 in	Yt =	0.7322 in
St =	1.2407 in ³ /ft (bend)	St =	1.2407 in ³ /ft (bend)
Sb =	1.2237 in ³ /ft (bend)	Sb =	1.2237 in ³ /ft (bend)
I =	0.9395 in ⁴ /ft (defl)	I =	0.9395 in ⁴ /ft (defl)

L/240 DEFLECTION CRITERIA

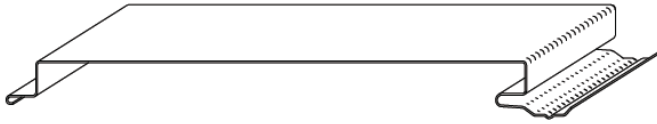
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 12'-	9"	* 17'-	1"	* 15'-	9"	* 12'-	9"	* 17'-	1"	* 15'-	9"
15	* 11'-	1"	* 14'-	11"	* 13'-	9"	* 11'-	1"	* 14'-	11"	* 13'-	9"
20	* 10'-	1"	* 13'-	7"	* 12'-	6"	* 10'-	1"	* 13'-	7"	* 12'-	6"
25	* 9'-	5"	* 12'-	7"	* 11'-	7"	* 9'-	5"	* 12'-	7"	* 11'-	7"
30	* 8'-	10"	* 11'-	10"	* 10'-	11"	* 8'-	10"	* 11'-	10"	* 10'-	11"
35	* 8'-	5"	* 11'-	3"	* 10'-	4"	* 8'-	5"	* 11'-	3"	* 10'-	4"
40	* 8'-	0"	* 10'-	9"	* 9'-	11"	* 8'-	0"	* 10'-	9"	* 9'-	11"
45	* 7'-	8"	* 10'-	4"	* 9'-	6"	* 7'-	8"	* 10'-	4"	* 9'-	6"
50	* 7'-	5"	* 10'-	0"	* 9'-	2"	* 7'-	5"	* 10'-	0"	* 9'-	2"
55	* 7'-	2"	* 9'-	8"	* 8'-	11"	* 7'-	2"	* 9'-	8"	* 8'-	11"
60	* 7'-	0"	* 9'-	5"	* 8'-	8"	* 7'-	0"	* 9'-	5"	* 8'-	8"
65	* 6'-	10"	* 9'-	2"	* 8'-	5"	* 6'-	10"	* 9'-	2"	* 8'-	5"
70	* 6'-	8"	* 8'-	11"	* 8'-	3"	* 6'-	8"	* 8'-	11"	* 8'-	3"

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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.1785 in	Yt =	0.1785 in
St =	0.2563 in ³ /ft (bend)	St =	0.2563 in ³ /ft (bend)
Sb =	0.0786 in ³ /ft (bend)	Sb =	0.0786 in ³ /ft (bend)
I =	0.0397 in ⁴ /ft (defl)	I =	0.0499 in ⁴ /ft (defl)

L/180 DEFLECTION CRITERIA

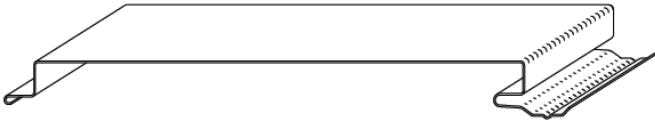
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	4'-	6"	4'-	1"	4'-	7"	4'-	1"	4'-	6"	5'-	1"
15	3'-	8"	3'-	4"	3'-	9"	3'-	4"	3'-	8"	4'-	1"
20	3'-	2"	2'-	10"	3'-	2"	2'-	10"	3'-	2"	3'-	7"
25	2'-	10"	2'-	7"	2'-	10"	2'-	7"	2'-	10"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

Notes:

- * Indicates maximum span controlled by deflection.
- All loads are applied perpendicular to surface of panel.
- No increase for wind loading has been assumed.
- Area within dotted box denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
- 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.1785 in	Yt =	0.1785 in
St =	0.2563 in ³ /ft (bend)	St =	0.2563 in ³ /ft (bend)
Sb =	0.0786 in ³ /ft (bend)	Sb =	0.0786 in ³ /ft (bend)
I =	0.0397 in ⁴ /ft (defl)	I =	0.0499 in ⁴ /ft (defl)

L/240 DEFLECTION CRITERIA

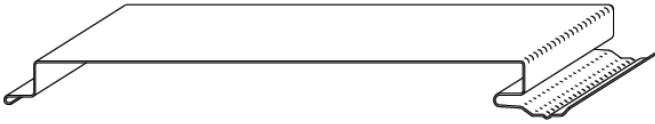
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 4'-	5"	4'-	1"	4'-	7"	4'-	1"	4'-	6"	5'-	1"
15	3'-	8"	3'-	4"	3'-	9"	3'-	4"	3'-	8"	4'-	1"
20	3'-	2"	2'-	10"	3'-	2"	2'-	10"	3'-	2"	3'-	7"
25	2'-	10"	2'-	7"	2'-	10"	2'-	7"	2'-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

Notes:

- * Indicates maximum span controlled by deflection.
- All loads are applied perpendicular to surface of panel.
- No increase for wind loading has been assumed.
- Area within dotted box denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
- 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.1785 in	Yt =	0.1785 in
St =	0.3140 in ³ /ft (bend)	St =	0.3140 in ³ /ft (bend)
Sb =	0.0983 in ³ /ft (bend)	Sb =	0.0983 in ³ /ft (bend)
I =	0.0521 in ⁴ /ft (defl)	I =	0.0623 in ⁴ /ft (defl)

L/180 DEFLECTION CRITERIA

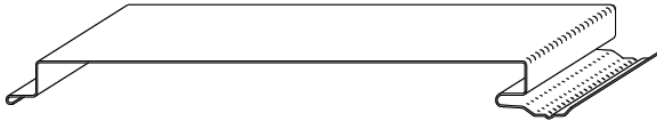
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 5'-	4"	4'-	11"	5'-	6"	4'-	11"	5'-	6"	6'-	1"
15	4'-	5"	4'-	0"	4'-	6"	4'-	0"	4'-	5"	5'-	0"
20	3'-	10"	3'-	6"	3'-	11"	3'-	6"	3'-	10"	4'-	4"
25	3'-	5"	3'-	1"	3'-	6"	3'-	1"	3'-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

Notes:

- * Indicates maximum span controlled by deflection.
- All loads are applied perpendicular to surface of panel.
- No increase for wind loading has been assumed.
- Area within dotted box denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
- 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.1785 in	Yt =	0.1785 in
St =	0.3140 in ³ /ft (bend)	St =	0.3140 in ³ /ft (bend)
Sb =	0.0983 in ³ /ft (bend)	Sb =	0.0983 in ³ /ft (bend)
I =	0.0521 in ⁴ /ft (defl)	I =	0.0623 in ⁴ /ft (defl)

L/240 DEFLECTION CRITERIA

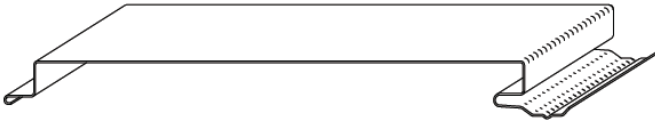
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 4'-	10"	4'-	11"	5'-	6"	4'-	11"	5'-	6"	6'-	1"
15	* 4'-	3"	4'-	0"	4'-	6"	4'-	0"	4'-	5"	5'-	0"
20	* 3'-	10"	3'-	6"	3'-	11"	3'-	6"	3'-	10"	4'-	4"
25	3'-	5"	3'-	1"	3'-	6"	3'-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

Notes:

- * Indicates maximum span controlled by deflection.
- All loads are applied perpendicular to surface of panel.
- No increase for wind loading has been assumed.
- Area within dotted box denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
- 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.1785 in	Yt =	0.1785 in
St =	0.3828 in ³ /ft (bend)	St =	0.3828 in ³ /ft (bend)
Sb =	0.1229 in ³ /ft (bend)	Sb =	0.1229 in ³ /ft (bend)
I =	0.0681 in ⁴ /ft (defl)	I =	0.0779 in ⁴ /ft (defl)

L/180 DEFLECTION CRITERIA

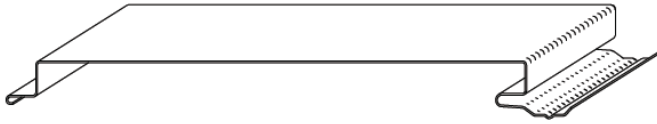
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 5'-	10"	6'-	0"	6'-	9"	6'-	0"	6'-	7"	7'-	5"
15	* 5'-	1"	4'-	11"	5'-	6"	4'-	11"	5'-	5"	6'-	0"
20	* 4'-	7"	4'-	3"	4'-	9"	4'-	3"	4'-	8"	5'-	3"
25	4'-	2"	3'-	9"	4'-	3"	3'-	9"	4'-	2"	4'-	8"
30	3'-	10"	3'-	5"	3'-	10"	3'-	5"	3'-	10"	4'-	3"
35	3'-	6"	3'-	2"	3'-	7"	3'-	2"	3'-	6"	3'-	11"
40	3'-	3"	3'-	0"	3'-	4"	3'-	0"	3'-	3"	3'-	8"
45	3'-	1"	2'-	10"	3'-	2"	2'-	10"	3'-	1"	3'-	6"
50	2'-	11"	2'-	8"	3'-	0"	2'-	8"	2'-	11"	3'-	3"
55	2'-	10"	2'-	7"	2'-	10"	2'-	7"	2'-	10"	3'-	2"
60	2'-	8"	2'-	5"	2'-	9"	2'-	5"	2'-	8"	3'-	0"
65	2'-	7"	2'-	4"	2'-	7"	2'-	4"	2'-	7"	2'-	11"
70	2'-	6"	2'-	3"	2'-	6"	2'-	3"	2'-	6"	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.
- Area within dotted box denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
- 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=18KSI			
Positive Bending		Negative Bending	
Yt =	0.1785 in	Yt =	0.1785 in
St =	0.3828 in ³ /ft (bend)	St =	0.3828 in ³ /ft (bend)
Sb =	0.1229 in ³ /ft (bend)	Sb =	0.1229 in ³ /ft (bend)
I =	0.0681 in ⁴ /ft (defl)	I =	0.0779 in ⁴ /ft (defl)

L/240 DEFLECTION CRITERIA

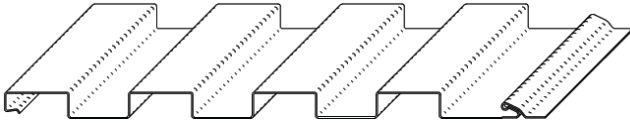
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 5'-	3"	6'-	0"	* 6'-	7"	* 5'-	6"	6'-	7"	* 6'-	10"
15	* 4'-	7"	4'-	11"	5'-	6"	* 4'-	10"	5'-	5"	* 6'-	0"
20	* 4'-	2"	4'-	3"	4'-	9"	4'-	3"	4'-	8"	5'-	3"
25	* 3'-	11"	3'-	9"	4'-	3"	3'-	9"	4'-	2"	4'-	8"
30	* 3'-	8"	3'-	5"	3'-	10"	3'-	5"	3'-	10"	4'-	3"
35	* 3'-	6"	3'-	2"	3'-	7"	3'-	2"	3'-	6"	3'-	11"
40	3'-	3"	3'-	0"	3'-	4"	3'-	0"	3'-	3"	3'-	8"
45	3'-	1"	2'-	10"	3'-	2"	2'-	10"	3'-	1"	3'-	6"
50	2'-	11"	2'-	8"	3'-	0"	2'-	8"	2'-	11"	3'-	3"
55	2'-	10"	2'-	7"	2'-	10"	2'-	7"	2'-	10"	3'-	2"
60	2'-	8"	2'-	5"	2'-	9"	2'-	5"	2'-	8"	3'-	0"
65	2'-	7"	2'-	4"	2'-	7"	2'-	4"	2'-	7"	2'-	11"
70	2'-	6"	2'-	3"	2'-	6"	2'-	3"	2'-	6"	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.
- Area within dotted box denotes loads at which deflection of the panel in the transverse direction due to static gravity load may cause permanent deformations.
- 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.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



L/60 MAXIMUM DEFLECTION CRITERIA

AREA =	0.51216 in ² /ft
Yb =	0.26321 in
Yt =	0.26629 in
Sb =	0.11112 in ³ /ft
St =	0.10983 in ³ /ft
I =	0.02925 in ⁴ /ft

L/60 MAXIMUM DEFLECTION CRITERIA

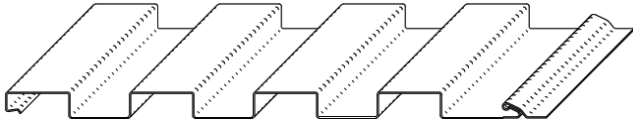
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	6'-	4"	* 7'-	6"	7'-	10"	6'-	4"	* 7'-	5"	7'-	10"
15	5'-	6"	* 6'-	1"	* 6'-	10"	5'-	6"	* 6'-	1"	* 6'-	10"
20	5'-	0"	* 5'-	3"	* 5'-	11"	5'-	0"	* 5'-	3"	* 5'-	11"
25	4'-	8"	* 4'-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

Notes:

- * Indicates maximum span controlled by stress.
- All loads are applied perpendicular to surface of panel.
- All computations have been made in accordance with the Aluminum Association's Specifications for Aluminum Structures.
- 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 nominal 0.032", 0.040" and 0.050" aluminum were determined at an actual thickness of 0.0305", 0.0385" and 0.0485", respectively.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



L/120 MAXIMUM DEFLECTION CRITERIA

AREA =	0.51216 in ² /ft.
Yb =	0.26321 in.
Yt =	0.26629 in.
Sb =	0.11112 in ³ /ft.
St =	0.10983 in ³ /ft.
I =	0.02925 in ⁴ /ft.

L/120 MAXIMUM DEFLECTION CRITERIA

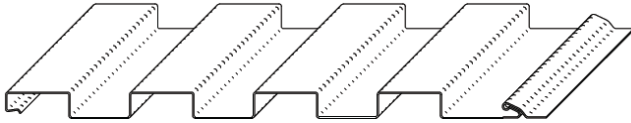
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	* 7'-	5"	* 7'-	6"	* 8'-	5"	* 7'-	6"	* 7'-	5"	* 8'-	4"
15	* 6'-	1"	* 6'-	1"	* 6'-	10"	* 6'-	1"	* 6'-	1"	* 6'-	10"
20	* 5'-	3"	* 5'-	3"	* 5'-	11"	* 5'-	3"	* 5'-	3"	* 5'-	11"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

Notes:

- * Indicates maximum span controlled by stress.
- All loads are applied perpendicular to surface of panel.
- All computations have been made in accordance with the Aluminum Association's Specifications for Aluminum Structures.
- 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 nominal 0.032", 0.040" and 0.050" aluminum were determined at an actual thickness of 0.0305", 0.0385" and 0.0485", respectively.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



L/60 MAXIMUM DEFLECTION CRITERIA

AREA =	0.64156 in ² /ft.
Yb =	0.25929 in.
Yt =	0.26221 in.
Sb =	0.13734 in ³ /ft.
St =	0.13581 in ³ /ft.
I =	0.03561 in ⁴ /ft.

L/60 MAXIMUM DEFLECTION CRITERIA

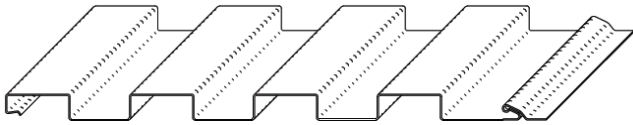
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	6'-	9"	9'-	1"	8'-	5"	6'-	9"	* 9'-	1"	8'-	5"
15	5'-	11"	* 7'-	5"	7'-	4"	5'-	11"	* 7'-	5"	7'-	4"
20	5'-	4"	* 6'-	5"	6'-	8"	5'-	4"	* 6'-	5"	6'-	8"
25	5'-	0"	* 5'-	9"	6'-	2"	5'-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

Notes:

- * Indicates maximum span controlled by stress.
- All loads are applied perpendicular to surface of panel.
- All computations have been made in accordance with the Aluminum Association's Specifications for Aluminum Structures.
- 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 nominal 0.032", 0.040" and 0.050" aluminum were determined at an actual thickness of 0.0305", 0.0385" and 0.0485", respectively.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



L/120 MAXIMUM DEFLECTION CRITERIA

AREA =	0.64156 in ² /ft.
Yb =	0.25929 in.
Yt =	0.26221 in.
Sb =	0.13734 in ³ /ft.
St =	0.13581 in ³ /ft.
I =	0.03561 in ⁴ /ft.

L/120 MAXIMUM DEFLECTION CRITERIA

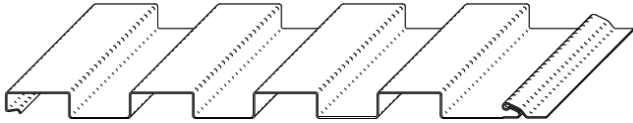
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	5'-	4"	7'-	2"	6'-	8"	5'-	4"	7'-	2"	6'-	8"
15	4'-	8"	6'-	3"	5'-	10"	4'-	8"	6'-	3"	5'-	10"
20	4'-	3"	5'-	9"	5'-	3"	4'-	3"	5'-	9"	5'-	3"
25	3'-	11"	5'-	4"	4'-	11"	3'-	11"	5'-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

Notes:

- * Indicates maximum span controlled by stress.
- All loads are applied perpendicular to surface of panel.
- All computations have been made in accordance with the Aluminum Association's Specifications for Aluminum Structures.
- 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 nominal 0.032", 0.040" and 0.050" aluminum were determined at an actual thickness of 0.0305", 0.0385" and 0.0485", respectively.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



L/60 MAXIMUM DEFLECTION CRITERIA

AREA =	0.80044 in ² /ft.
Yb =	0.25440 in.
Yt =	0.25710 in.
Sb =	0.16849 in ³ /ft.
St =	0.16672 in ³ /ft.
I =	0.04286 in ⁴ /ft.

L/60 MAXIMUM DEFLECTION CRITERIA

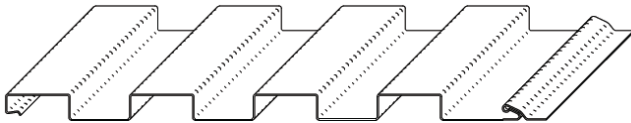
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	7'-	2"	9'-	8"	8'-	11"	7'-	2"	9'-	8"	8'-	11"
15	6'-	3"	8'-	5"	7'-	9"	6'-	3"	8'-	5"	7'-	9"
20	5'-	9"	* 7'-	7"	7'-	1"	5'-	9"	* 7'-	6"	7'-	1"
25	5'-	4"	* 6'-	9"	6'-	7"	5'-	4"	*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

Notes:

- * Indicates maximum span controlled by stress.
- All loads are applied perpendicular to surface of panel.
- All computations have been made in accordance with the Aluminum Association's Specifications for Aluminum Structures.
- 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 nominal 0.032", 0.040" and 0.050" aluminum were determined at an actual thickness of 0.0305", 0.0385" and 0.0485", respectively.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



L/60 MAXIMUM DEFLECTION CRITERIA

AREA =	0.80044 in ² /ft.
Y _b =	0.25440 in.
Y _t =	0.25710 in.
S _b =	0.16849 in ³ /ft.
S _t =	0.16672 in ³ /ft.
I =	0.04286 in ⁴ /ft.

L/120 MAXIMUM DEFLECTION CRITERIA

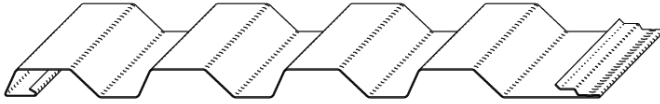
LOAD (PSF)	DOWNWARD LOAD						UPWARD LOAD					
	SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN		SINGLE SPAN		DOUBLE SPAN		TRIPLE SPAN	
10	5'-	9"	7'-	8"	7'-	1"	5'-	9"	7'-	8"	7'-	1"
15	5'-	0"	6'-	8"	6'-	2"	5'-	0"	6'-	8"	6'-	2"
20	4'-	6"	6'-	1"	5'-	7"	4'-	6"	6'-	1"	5'-	7"
25	4'-	2"	5'-	8"	5'-	2"	4'-	2"	5'-	8"	5'-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

Notes:

- * Indicates maximum span controlled by stress.
- All loads are applied perpendicular to surface of panel.
- All computations have been made in accordance with the Aluminum Association's Specifications for Aluminum Structures.
- 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 nominal 0.032", 0.040" and 0.050" aluminum were determined at an actual thickness of 0.0305", 0.0385" and 0.0485", respectively.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.39308 in	Yt =	0.39308 in
Yb =	0.46492 in	Yb =	0.46492 in
St =	0.128565 in ³ /ft	St =	0.128565 in ³ /ft
Sb =	0.108699 in ³ /ft	Sb =	0.108699 in ³ /ft
I =	0.050536 in ⁴ /ft	I =	0.050536 in ⁴ /ft
Ma+ =	0.121 ft-k/ft	Ma+ =	0.144 ft-k/ft
Ma- =	0.071 ft-k/ft	Ma- =	0.073 ft-k/ft
Pc,int =	499 lb/ft	Pc,int =	499 lb/ft
Pc,end =	243 lb/ft	Pc,end =	243 lb/ft

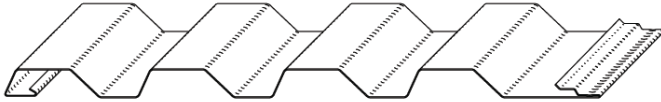
Load (psf)	Inward and Outward Pressure								
	$\Delta \leq L/240$			$\Delta \leq L/180$			$\Delta \leq L/120$		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*4'-10"	*6'-5"	*5'-11"	*5'-3"	*7'-1"	*6'-6"	*6'-1"	7'-3"	*7'-6"
15	*4'-2"	*5'-7"	*5'-2"	*4'-7"	5'-11"	*5'-9"	*5'-3"	5'-11"	*6'-6"
20	*3'-10"	5'-1"	*4'-8"	*4'-2"	5'-1"	*5'-2"	*4'-10"	5'-1"	5'-8"
25	*3'-6"	4'-6"	*4'-4"	*3'-11"	4'-6"	*4'-10"	*4'-5"	4'-6"	5'-0"
30	*3'-4"	4'-1"	*4'-1"	*3'-8"	4'-1"	*4'-6"	*4'-2"	4'-1"	4'-6"
35	*3'-2"	3'-9"	*3'-11"	*3'-6"	3'-9"	4'-2"	4'-0"	3'-9"	4'-2"
40	*3'-0"	3'-5"	*3'-9"	*3'-4"	3'-5"	3'-10"	3'-9"	3'-5"	3'-10"
45	*2'-11"	3'-3"	3'-7"	*3'-2"	3'-3"	3'-7"	3'-6"	3'-3"	3'-7"
50	*2'-9"	3'-0"	3'-5"	*3'-1"	3'-0"	3'-5"	3'-4"	3'-0"	3'-5"
55	*2'-8"	2'-10"	3'-3"	*3'-0"	2'-10"	3'-3"	3'-2"	2'-10"	3'-3"
60	*2'-7"	2'-9"	3'-1"	*2'-11"	2'-9"	3'-1"	3'-0"	2'-9"	3'-1"
65	*2'-7"	2'-7"	2'-11"	*2'-10"	2'-7"	2'-11"	2'-11"	2'-7"	2'-11"
70	*2'-6"	2'-6"	2'-10"	*2'-9"	2'-6"	2'-10"	2'-10"	2'-6"	2'-10"
75	*2'-5"	2'-5"	2'-8"	*2'-8"	2'-5"	2'-8"	2'-9"	2'-5"	2'-8"
80	*2'-5"	2'-4"	2'-7"	2'-7"	2'-4"	2'-7"	2'-7"	2'-4"	2'-7"
85	*2'-4"	2'-2"	2'-6"	2'-7"	2'-3"	2'-6"	2'-7"	2'-3"	2'-6"
90	*2'-3"	2'-2"	2'-5"	2'-6"	2'-2"	2'-5"	2'-6"	2'-2"	2'-5"
95	*2'-3"	2'-1"	2'-4"	2'-5"	2'-1"	2'-4"	2'-5"	2'-1"	2'-4"
100	*2'-2"	2'-0"	2'-3"	2'-4"	2'-0"	2'-3"	2'-4"	2'-0"	2'-3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use by those qualified to assess these effects.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.39320 in	Yt =	0.39320 in
Yb =	0.46480 in	Yb =	0.46480 in
St =	0.163467 in ³ /ft	St =	0.163467 in ³ /ft
Sb =	0.138283 in ³ /ft	Sb =	0.138283 in ³ /ft
I =	0.064275 in ⁴ /ft	I =	0.064275 in ⁴ /ft
Ma+ =	0.154 ft-k/ft	Ma+ =	0.183 ft-k/ft
Ma- =	0.103 ft-k/ft	Ma- =	0.098 ft-k/ft
Pc,int =	800 lb/ft	Pc,int =	800 lb/ft
Pc,end =	390 lb/ft	Pc,end =	390 lb/ft

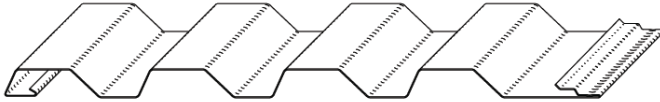
Load (psf)	Inward and Outward Pressure								
	$\Delta \leq L/240$			$\Delta \leq L/180$			$\Delta \leq L/120$		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*5'-2"	*7'-0"	*6'-5"	*5'-9"	*7'-8"	*7'-1"	*6'-7"	8'-8"	*8'-2"
15	*4'-6"	*6'-1"	*5'-7"	*5'-0"	*6'-9"	*6'-2"	*5'-9"	7'-0"	*7'-1"
20	*4'-1"	*5'-6"	*5'-1"	*4'-6"	6'-0"	*5'-7"	*5'-2"	6'-0"	*6'-5"
25	*3'-10"	*5'-2"	*4'-9"	*4'-3"	5'-4"	*5'-3"	*4'-10"	5'-4"	6'-0"
30	*3'-7"	*4'-10"	*4'-5"	*4'-0"	4'-10"	*4'-11"	*4'-6"	4'-10"	5'-6"
35	*3'-5"	4'-6"	*4'-3"	*3'-9"	4'-6"	*4'-8"	*4'-4"	4'-6"	5'-0"
40	*3'-3"	4'-2"	*4'-1"	*3'-7"	4'-2"	*4'-5"	*4'-1"	4'-2"	4'-8"
45	*3'-2"	3'-11"	*3'-11"	*3'-5"	3'-11"	*4'-3"	*4'-0"	3'-11"	4'-5"
50	*3'-0"	3'-8"	*3'-9"	*3'-4"	3'-8"	4'-2"	*3'-10"	3'-8"	4'-2"
55	*2'-11"	3'-6"	*3'-8"	*3'-3"	3'-6"	3'-11"	*3'-8"	3'-6"	3'-11"
60	*2'-10"	3'-4"	*3'-6"	*3'-2"	3'-4"	3'-9"	*3'-7"	3'-4"	3'-9"
65	*2'-9"	3'-2"	*3'-5"	*3'-1"	3'-2"	3'-7"	3'-6"	3'-2"	3'-7"
70	*2'-8"	3'-1"	*3'-4"	*3'-0"	3'-1"	3'-5"	3'-5"	3'-1"	3'-5"
75	*2'-8"	2'-11"	*3'-3"	*2'-11"	2'-11"	3'-4"	3'-3"	2'-11"	3'-4"
80	*2'-7"	2'-10"	3'-2"	*2'-10"	2'-10"	3'-2"	3'-2"	2'-10"	3'-2"
85	*2'-6"	2'-9"	3'-1"	*2'-9"	2'-9"	3'-1"	3'-1"	2'-9"	3'-1"
90	*2'-6"	2'-8"	3'-0"	*2'-9"	2'-8"	3'-0"	3'-0"	2'-8"	3'-0"
95	*2'-5"	2'-7"	2'-11"	*2'-8"	2'-7"	2'-11"	2'-11"	2'-7"	2'-11"
100	*2'-5"	2'-6"	2'-10"	*2'-8"	2'-6"	2'-10"	2'-10"	2'-6"	2'-10"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use by those qualified to assess these effects.

Data is for solid panels

(reference the Industrial Perforators Association for perforated properties)



FTY=17KSI			
Positive Bending		Negative Bending	
Yt =	0.39334 in	Yt =	0.39334 in
Yb =	0.46466 in	Yb =	0.46466 in
St =	0.207448 in ³ /ft	St =	0.207448 in ³ /ft
Sb =	0.175604 in ³ /ft	Sb =	0.175604 in ³ /ft
I =	0.081597 in ⁴ /ft	I =	0.081597 in ⁴ /ft
Ma+ =	0.196 ft-k/ft	Ma+ =	0.232 ft-k/ft
Ma- =	0.144 ft-k/ft	Ma- =	0.124 ft-k/ft
Pc,int =	1277 lb/ft	Pc,int =	1277 lb/ft
Pc,end =	622 lb/ft	Pc,end =	622 lb/ft

Load (psf)	Inward and Outward Pressure								
	$\Delta \leq L/240$			$\Delta \leq L/180$			$\Delta \leq L/120$		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*5'-8"	*7'-7"	*7'-0"	*6'-3"	*8'-4"	*7'-8"	*7'-1"	*9'-7"	*8'-10"
15	*4'-11"	*6'-7"	*6'-1"	*5'-5"	*7'-3"	*6'-8"	*6'-3"	8'-0"	*7'-8"
20	*4'-6"	*6'-0"	*5'-6"	*4'-11"	*6'-7"	*6'-1"	*5'-8"	6'-10"	*7'-0"
25	*4'-2"	*5'-7"	*5'-2"	*4'-7"	6'-2"	*5'-8"	*5'-3"	6'-2"	*6'-6"
30	*3'-11"	*5'-3"	*4'-10"	*4'-4"	5'-7"	*5'-4"	*4'-11"	5'-7"	*6'-1"
35	*3'-8"	*5'-0"	*4'-7"	*4'-1"	5'-2"	*5'-1"	*4'-8"	5'-2"	5'-9"
40	*3'-6"	*4'-9"	*4'-5"	*3'-11"	4'-10"	*4'-10"	*4'-6"	4'-10"	5'-4"
45	*3'-5"	4'-6"	*4'-3"	*3'-9"	4'-6"	*4'-8"	*4'-4"	4'-6"	5'-1"
50	*3'-3"	4'-3"	*4'-1"	*3'-7"	4'-3"	*4'-6"	*4'-2"	4'-3"	4'-9"
55	*3'-2"	4'-1"	*3'-11"	*3'-6"	4'-1"	*4'-4"	*4'-0"	4'-1"	4'-6"
60	*3'-1"	3'-10"	*3'-10"	*3'-5"	3'-10"	*4'-3"	*3'-11"	3'-10"	4'-4"
65	*3'-0"	3'-8"	*3'-9"	*3'-4"	3'-8"	*4'-1"	*3'-10"	3'-8"	4'-2"
70	*2'-11"	3'-7"	*3'-8"	*3'-3"	3'-7"	4'-0"	*3'-8"	3'-7"	4'-0"
75	*2'-10"	3'-5"	*3'-7"	*3'-2"	3'-5"	3'-10"	*3'-7"	3'-7"	3'-10"
80	*2'-10"	3'-4"	*3'-6"	*3'-1"	3'-4"	3'-9"	*3'-6"	3'-4"	3'-9"
85	*2'-9"	3'-2"	*3'-5"	*3'-0"	3'-2"	3'-7"	*3'-6"	3'-2"	3'-7"
90	*2'-8"	3'-1"	*3'-4"	*3'-0"	3'-1"	3'-6"	*3'-5"	3'-1"	3'-6"
95	*2'-8"	3'-0"	*3'-3"	*2'-11"	3'-0"	3'-5"	*3'-4"	3'-0"	3'-5"
100	*2'-7"	2'-11"	*3'-3"	*2'-10"	2'-11"	3'-3"	*3'-3"	2'-11"	3'-3"

Notes:

1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
5. (+) signifies allowable moment based on tension.
(-) signifies allowable moment based on compression.
6. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use by those qualified to assess these effects.