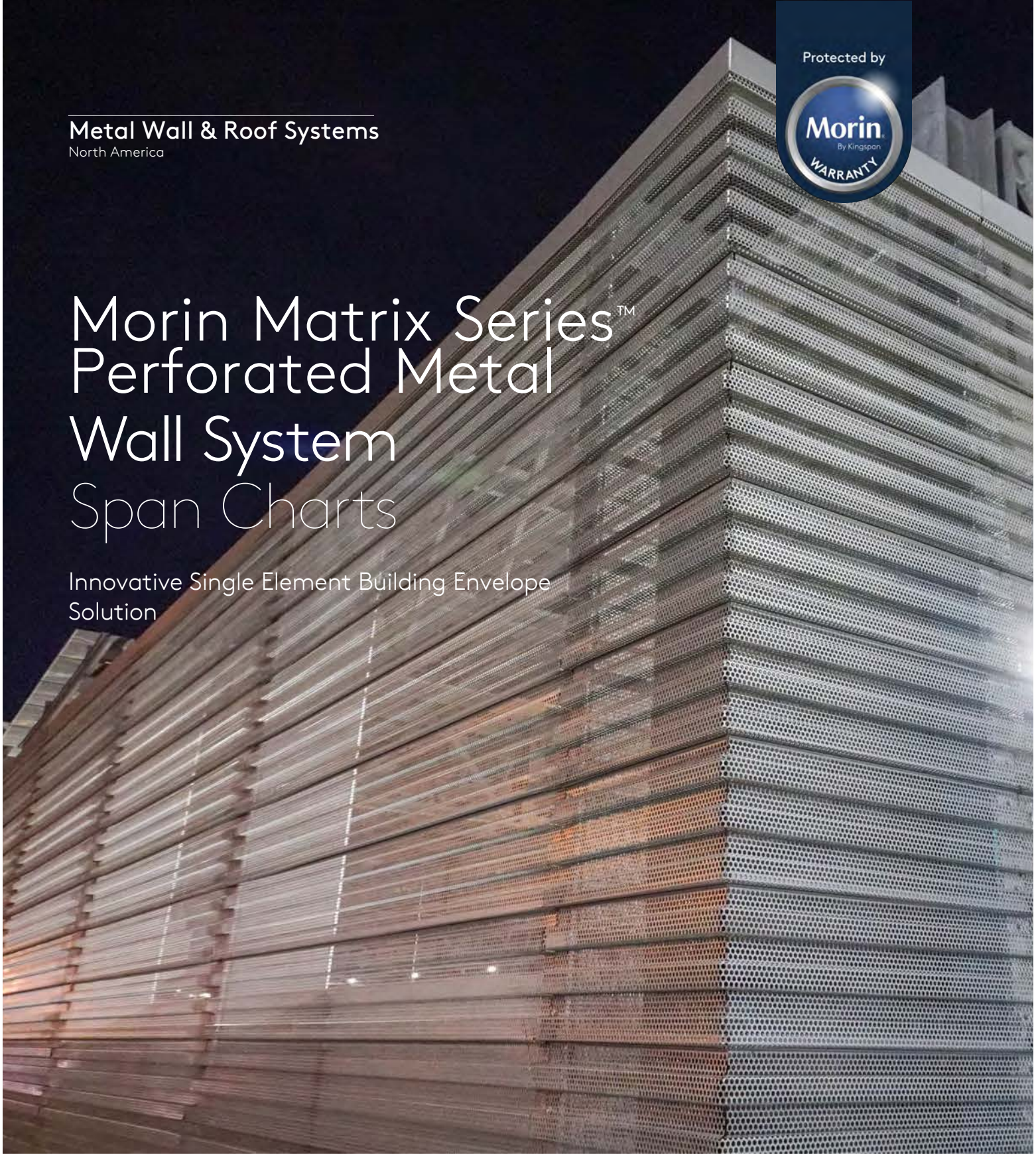
Metal Wall & Roof Systems
North America

Protected by Morin By Kingspan WARRANTY

Morin Matrix Series™ Perforated Metal Wall System Span Charts

Innovative Single Element Building Envelope Solution



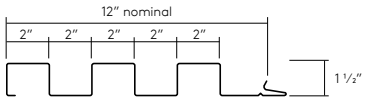
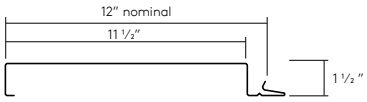
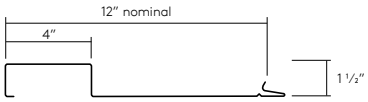
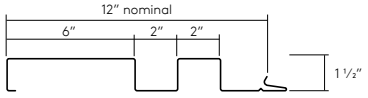
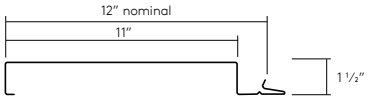
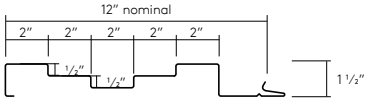
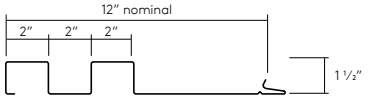
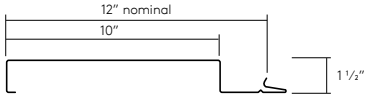
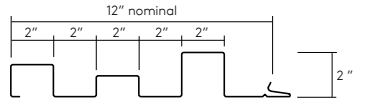
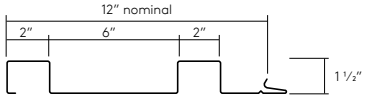
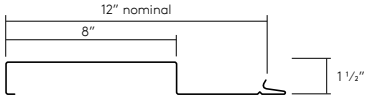
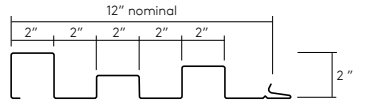
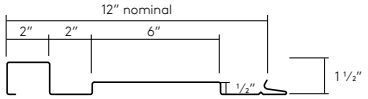
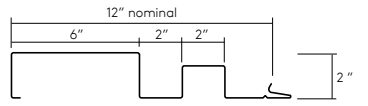
PLANET PASSIONATE

Morin® By Kingspan

Product Data

Morin Matrix Series™ Range

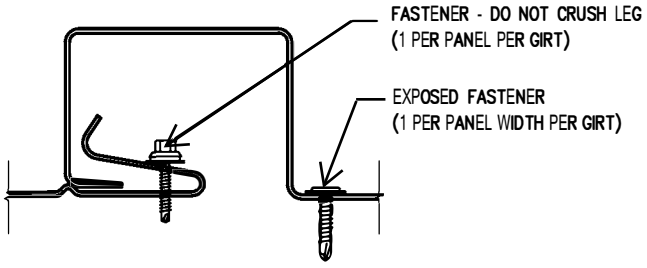
The Morin Matrix Series™ is available in fifteen unique panel profiles and MiterSeam corners, the designer has all the tools necessary to create the next award winning project.

Profile Options		
Matrix MX-1 	**Matrix MX-6** 	**Matrix MX-11** 
Matrix MX-2 	**Matrix MX-7** 	**Matrix MX-12** 
Matrix MX-3 	**Matrix MX-8** 	**Matrix MX-13** 
Matrix MX-4 	**Matrix MX-9** 	**Matrix MX-14** 
Matrix MX-5 	**Matrix MX-10** 	**Matrix MX-15** 

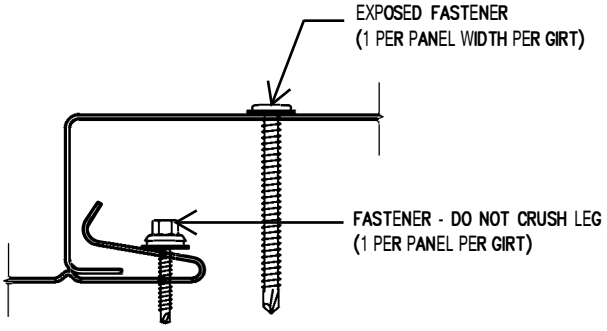
Available Lengths

Standard Lengths (ft)	5′ – 30′ (1.52 – 9.14m)

Shorter and longer lengths available on request.



MX–1, MX–3, MX–4, AND MX–11



MX–2, MX–6, MX–7, MX–8, MX–9 AND MX–10

HWH FASTENER OR PANCAKE HEAD FASTENER W/ STANDARD 5/8" WASHER UP TO 3/16" HOLE SIZE OR OVERSIZED 1 1/8" WASHER FOR HOLE LARGER THAN 3/16" AS REQ'D FOR TYPICAL FASTENING ASSEMBLY FOR ALL MATRIX PANELS

Standard Notes:

1. Numbers in the tables indicate clear span distance between the structural supports. Section properties listed are for the perforated base sheet.
2. Load and span values listed do not include consideration of fastener with washer/oversize washer (which are required for attachment), to be determined by qualified personnel.
3. Refer to above details for required exposed fastening layout of perforated panels.
4. MIP clips are not required for perforated panels.
5. This table is intended as a guide to the allowable loads (ASD) and spans for the panel product, however, actual assembly conditions must be determined by a qualified individual.
6. Deflection limit is L/180 unless otherwise noted.
7. Aluminum material confirming to 3003-H14; reach out to Morin technical for anodized (5005-H34) or any other Aluminum material
8. For project specific calculations, please contact Morin Technical Services at 800-640-9501.

Load / Span Data

MX-1
Aluminum Perforated

0.032 in

Ix: 0.1669 in^4/ft
Sx: 0.195 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	8'-5"	8'-5"	9'-5"	55	Stress	5'-1"	5'-1"	5'-8"
	Deflection	6'-3"	8'-6"	7'-9"		Deflection	4'-6"	6'-1"	5'-7"
25	Stress	7'-7"	7'-7"	8'-5"	60	Stress	4'-11"	4'-11"	5'-5"
	Deflection	5'-10"	7'-10"	7'-3"		Deflection	4'-4"	5'-11"	5'-5"
30	Stress	6'-11"	6'-11"	7'-9"	65	Stress	4'-8"	4'-8"	5'-3"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-3"	5'-9"	5'-3"
35	Stress	6'-5"	6'-5"	7'-2"	70	Stress	4'-6"	4'-6"	5'-1"
	Deflection	5'-3"	7'-0"	6'-6"		Deflection	4'-2"	5'-7"	5'-2"
40	Stress	6'-0"	6'-0"	6'-8"	75	Stress	4'-4"	4'-4"	4'-11"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	4'-0"	5'-5"	5'-0"
45	Stress	5'-8"	5'-8"	6'-4"	80	Stress	4'-3"	4'-3"	4'-9"
	Deflection	4'-9"	6'-6"	5'-11"		Deflection	3'-11"	5'-4"	4'-11"
50	Stress	5'-4"	5'-4"	6'-0"	85	Stress	4'-1"	4'-1"	4'-7"
	Deflection	4'-7"	6'-3"	5'-9"		Deflection	3'-11"	5'-3"	4'-10"

MX-1
Aluminum Perforated

0.032 in

Ix: 0.1262 in^4/ft
Sx: 0.1455 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-4"	7'-4"	8'-2"	55	Stress	4'-5"	4'-5"	4'-11"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-1"	5'-6"	5'-1"
25	Stress	6'-6"	6'-6"	7'-4"	60	Stress	4'-3"	4'-3"	4'-9"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-0"	5'-4"	4'-11"
30	Stress	6'-0"	6'-0"	6'-8"	65	Stress	4'-1"	4'-1"	4'-6"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-10"	5'-3"	4'-9"
35	Stress	5'-6"	5'-6"	6'-2"	70	Stress	3'-11"	3'-11"	4'-4"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-9"	5'-1"	4'-8"
40	Stress	5'-2"	5'-2"	5'-9"	75	Stress	3'-9"	3'-9"	4'-3"
	Deflection	4'-6"	6'-2"	5'-8"		Deflection	3'-8"	5'-0"	4'-7"
45	Stress	4'-10"	4'-10"	5'-5"	80	Stress	3'-8"	3'-8"	4'-1"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-7"	4'-10"	4'-6"
50	Stress	4'-7"	4'-7"	5'-2"	85	Stress	3'-7"	3'-7"	4'-0"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-6"	4'-9"	4'-5"

See page 3 for standard notes

MX-1
Aluminum Perforated

0.032 in

Ix: 0.104 in^4/ft
Sx: 0.1245 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-9"	6'-9"	7'-7"	55	Stress	4'-1"	4'-1"	4'-7"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	3'-10"	5'-2"	4'-9"
25	Stress	6'-1"	6'-1"	6'-9"	60	Stress	3'-11"	3'-11"	4'-4"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-9"	5'-0"	4'-7"
30	Stress	5'-6"	5'-6"	6'-2"	65	Stress	3'-9"	3'-9"	4'-2"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-7"	4'-11"	4'-6"
35	Stress	5'-1"	5'-1"	5'-9"	70	Stress	3'-7"	3'-7"	4'-0"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-6"	4'-9"	4'-5"
40	Stress	4'-9"	4'-9"	5'-4"	75	Stress	3'-6"	3'-6"	3'-11"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-5"	4'-8"	4'-3"
45	Stress	4'-6"	4'-6"	5'-0"	80	Stress	3'-5"	3'-5"	3'-9"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-5"	4'-7"	4'-2"
50	Stress	4'-3"	4'-3"	4'-9"	85	Stress	3'-3"	3'-3"	3'-8"
	Deflection	3'-11"	5'-4"	4'-11"		Deflection	3'-4"	4'-6"	4'-1"

MX-1
Aluminum Perforated

0.032 in

Ix: 0.0942 in^4/ft
Sx: 0.1164 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-6"	6'-6"	7'-4"	55	Stress	3'-11"	3'-11"	4'-5"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	3'-8"	5'-0"	4'-7"
25	Stress	5'-10"	5'-10"	6'-6"	60	Stress	3'-9"	3'-9"	4'-3"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-7"	4'-10"	4'-6"
30	Stress	5'-4"	5'-4"	6'-0"	65	Stress	3'-7"	3'-7"	4'-1"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-6"	4'-9"	4'-4"
35	Stress	4'-11"	4'-11"	5'-6"	70	Stress	3'-6"	3'-6"	3'-11"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-5"	4'-7"	4'-3"
40	Stress	4'-7"	4'-7"	5'-2"	75	Stress	3'-4"	3'-4"	3'-9"
	Deflection	4'-1"	5'-7"	5'-1"		Deflection	3'-4"	4'-6"	4'-2"
45	Stress	4'-4"	4'-4"	4'-10"	80	Stress	3'-3"	3'-3"	3'-8"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-3"	4'-5"	4'-1"
50	Stress	4'-2"	4'-2"	4'-7"	85	Stress	3'-2"	3'-2"	3'-7"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-2"	4'-4"	4'-0"

See page 3 for standard notes

Load / Span Data

MX-1
Aluminum Perforated

0.032 in

Ix: 0.0739 in^4/ft
Sx: 0.097 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-0"	6'-0"	6'-8"	55	Stress	3'-7"	3'-7"	4'-0"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-5"	4'-7"	4'-3"
25	Stress	5'-4"	5'-4"	6'-0"	60	Stress	3'-5"	3'-5"	3'-10"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-4"	4'-6"	4'-1"
30	Stress	4'-10"	4'-10"	5'-5"	65	Stress	3'-4"	3'-4"	3'-8"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-3"	4'-4"	4'-0"
35	Stress	4'-6"	4'-6"	5'-0"	70	Stress	3'-2"	3'-2"	3'-7"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-2"	4'-3"	3'-11"
40	Stress	4'-3"	4'-3"	4'-9"	75	Stress	3'-1"	3'-1"	3'-5"
	Deflection	3'-10"	5'-2"	4'-8"		Deflection	3'-1"	4'-2"	3'-10"
45	Stress	4'-0"	4'-0"	4'-5"	80	Stress	2'-12"	2'-12"	3'-4"
	Deflection	3'-8"	4'-11"	4'-6"		Deflection	3'-0"	4'-1"	3'-9"
50	Stress	3'-9"	3'-9"	4'-3"	85	Stress	2'-11"	2'-11"	3'-3"
	Deflection	3'-6"	4'-9"	4'-4"		Deflection	2'-11"	4'-0"	3'-8"

MX-1
Aluminum Perforated

0.032 in

Ix: 0.0489 in^4/ft
Sx: 0.0728 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-2"	5'-2"	5'-9"	55	Stress	3'-1"	3'-1"	3'-6"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-0"	4'-0"	3'-8"
25	Stress	4'-7"	4'-7"	5'-2"	60	Stress	2'-12"	2'-12"	3'-4"
	Deflection	3'-10"	5'-3"	4'-10"		Deflection	2'-11"	3'-11"	3'-7"
30	Stress	4'-3"	4'-3"	4'-9"	65	Stress	2'-10"	2'-10"	3'-2"
	Deflection	3'-8"	4'-11"	4'-6"		Deflection	2'-10"	3'-10"	3'-6"
35	Stress	3'-11"	3'-11"	4'-4"	70	Stress	2'-9"	2'-9"	3'-1"
	Deflection	3'-6"	4'-8"	4'-3"		Deflection	2'-9"	3'-8"	3'-5"
40	Stress	3'-8"	3'-8"	4'-1"	75	Stress	2'-8"	2'-8"	3'-0"
	Deflection	3'-4"	4'-6"	4'-1"		Deflection	2'-8"	3'-7"	3'-4"
45	Stress	3'-5"	3'-5"	3'-10"	80	Stress	2'-7"	2'-7"	2'-11"
	Deflection	3'-2"	4'-4"	3'-11"		Deflection	2'-8"	3'-7"	3'-3"
50	Stress	3'-3"	3'-3"	3'-8"	85	Stress	2'-6"	2'-6"	2'-10"
	Deflection	3'-1"	4'-2"	3'-10"		Deflection	2'-7"	3'-6"	3'-2"

See page 3 for standard notes

MX-1
Aluminum Perforated

0.040 in

Ix: 0.2083 in^4/ft
Sx: 0.2348 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	9'-3"	9'-3"	10'-4"	55	Stress	5'-7"	5'-7"	6'-3"
	Deflection	6'-9"	9'-1"	8'-5"		Deflection	4'-10"	6'-6"	6'-0"
25	Stress	8'-4"	8'-4"	9'-3"	60	Stress	5'-4"	5'-4"	6'-0"
	Deflection	6'-3"	8'-6"	7'-9"		Deflection	4'-8"	6'-4"	5'-10"
30	Stress	7'-7"	7'-7"	8'-6"	65	Stress	5'-2"	5'-2"	5'-9"
	Deflection	5'-11"	8'-0"	7'-4"		Deflection	4'-7"	6'-2"	5'-8"
35	Stress	7'-0"	7'-0"	7'-10"	70	Stress	4'-12"	4'-12"	5'-7"
	Deflection	5'-7"	7'-7"	6'-11"		Deflection	4'-5"	6'-0"	5'-6"
40	Stress	6'-7"	6'-7"	7'-4"	75	Stress	4'-9"	4'-9"	5'-4"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	4'-4"	5'-10"	5'-5"
45	Stress	6'-2"	6'-2"	6'-11"	80	Stress	4'-8"	4'-8"	5'-2"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-3"	5'-9"	5'-3"
50	Stress	5'-10"	5'-10"	6'-7"	85	Stress	4'-6"	4'-6"	5'-0"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	4'-2"	5'-8"	5'-2"

MX-1
Aluminum Perforated

0.040 in

Ix: 0.157 in^4/ft
Sx: 0.181 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	8'-2"	8'-2"	9'-1"	55	Stress	4'-11"	4'-11"	5'-6"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	4'-5"	5'-11"	5'-5"
25	Stress	7'-3"	7'-3"	8'-2"	60	Stress	4'-8"	4'-8"	5'-3"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-3"	5'-9"	5'-3"
30	Stress	6'-8"	6'-8"	7'-5"	65	Stress	4'-6"	4'-6"	5'-1"
	Deflection	5'-5"	7'-3"	7'-1"		Deflection	4'-2"	5'-7"	5'-2"
35	Stress	6'-2"	6'-2"	6'-11"	70	Stress	4'-4"	4'-4"	4'-10"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	4'-1"	5'-6"	5'-0"
40	Stress	5'-9"	5'-9"	6'-5"	75	Stress	4'-2"	4'-2"	4'-8"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	4'-0"	5'-4"	4'-11"
45	Stress	5'-5"	5'-5"	6'-1"	80	Stress	4'-1"	4'-1"	4'-7"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-11"	5'-3"	4'-10"
50	Stress	5'-2"	5'-2"	5'-9"	85	Stress	3'-11"	3'-11"	4'-5"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-10"	5'-2"	4'-9"

See page 3 for standard notes

Load / Span Data

MX-1
Aluminum Perforated

0.040 in

Ix: 0.1297 in^4/ft
Sx: 0.1546 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-6"	7'-6"	8'-5"	55	Stress	4'-6"	4'-6"	5'-1"
	Deflection	5'-9"	7'-9"	7'-2"		Deflection	4'-1"	5'-7"	5'-1"
25	Stress	6'-9"	6'-9"	7'-6"	60	Stress	4'-4"	4'-4"	4'-10"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	4'-0"	5'-5"	5'-0"
30	Stress	6'-2"	6'-2"	6'-10"	65	Stress	4'-2"	4'-2"	4'-8"
	Deflection	5'-0"	6'-10"	6'-3"		Deflection	3'-11"	5'-3"	4'-10"
35	Stress	5'-8"	5'-8"	6'-4"	70	Stress	4'-0"	4'-0"	4'-6"
	Deflection	4'-9"	6'-6"	5'-11"		Deflection	3'-10"	5'-2"	4'-9"
40	Stress	5'-4"	5'-4"	5'-11"	75	Stress	3'-11"	3'-11"	4'-4"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-9"	5'-0"	4'-7"
45	Stress	5'-0"	5'-0"	5'-7"	80	Stress	3'-9"	3'-9"	4'-3"
	Deflection	4'-5"	5'-11"	5'-6"		Deflection	3'-8"	4'-11"	4'-6"
50	Stress	4'-9"	4'-9"	5'-4"	85	Stress	3'-8"	3'-8"	4'-1"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-7"	4'-10"	4'-5"

MX-1
Aluminum Perforated

0.040 in

Ix: 0.1175 in^4/ft
Sx: 0.1445 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-3"	7'-3"	8'-2"	55	Stress	4'-5"	4'-5"	4'-11"
	Deflection	5'-7"	7'-6"	6'-11"		Deflection	4'-0"	5'-5"	4'-11"
25	Stress	6'-6"	6'-6"	7'-3"	60	Stress	4'-2"	4'-2"	4'-8"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	3'-10"	5'-3"	4'-10"
30	Stress	5'-11"	5'-11"	6'-8"	65	Stress	4'-0"	4'-0"	4'-6"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	3'-9"	5'-1"	4'-8"
35	Stress	5'-6"	5'-6"	6'-2"	70	Stress	3'-11"	3'-11"	4'-4"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-8"	5'-0"	4'-7"
40	Stress	5'-2"	5'-2"	5'-9"	75	Stress	3'-9"	3'-9"	4'-2"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-7"	4'-10"	4'-5"
45	Stress	4'-10"	4'-10"	5'-5"	80	Stress	3'-8"	3'-8"	4'-1"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-6"	4'-9"	4'-4"
50	Stress	4'-7"	4'-7"	5'-2"	85	Stress	3'-6"	3'-6"	3'-11"
	Deflection	4'-1"	5'-7"	5'-1"		Deflection	3'-5"	4'-8"	4'-3"

See page 3 for standard notes

MX-1
Aluminum Perforated

0.040 in

Ix: 0.0922 in^4/ft
Sx: 0.1203 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-8"	6'-8"	7'-5"	55	Stress	4'-0"	4'-0"	4'-6"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	3'-8"	5'-0"	4'-7"
25	Stress	5'-11"	5'-11"	6'-8"	60	Stress	3'-10"	3'-10"	4'-3"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-7"	4'-10"	4'-5"
30	Stress	5'-5"	5'-5"	6'-1"	65	Stress	3'-8"	3'-8"	4'-1"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-6"	4'-8"	4'-4"
35	Stress	5'-0"	5'-0"	5'-7"	70	Stress	3'-7"	3'-7"	4'-0"
	Deflection	4'-3"	5'-9"	5'-4"		Deflection	3'-5"	4'-7"	4'-2"
40	Stress	4'-8"	4'-8"	5'-3"	75	Stress	3'-5"	3'-5"	3'-10"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-4"	4'-6"	4'-1"
45	Stress	4'-5"	4'-5"	4'-11"	80	Stress	3'-4"	3'-4"	3'-9"
	Deflection	3'-11"	5'-4"	4'-10"		Deflection	3'-3"	4'-5"	4'-0"
50	Stress	4'-2"	4'-2"	4'-8"	85	Stress	3'-3"	3'-3"	3'-7"
	Deflection	3'-10"	5'-1"	4'-8"		Deflection	3'-2"	4'-4"	3'-11"

MX-1
Aluminum Perforated

0.040 in

Ix: 0.061 in^4/ft
Sx: 0.0903 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-9"	5'-9"	6'-5"	55	Stress	3'-6"	3'-6"	3'-11"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-2"	4'-4"	4'-0"
25	Stress	5'-2"	5'-2"	5'-9"	60	Stress	3'-4"	3'-4"	3'-9"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-1"	4'-2"	3'-10"
30	Stress	4'-8"	4'-8"	5'-3"	65	Stress	3'-2"	3'-2"	3'-7"
	Deflection	3'-11"	5'-4"	4'-10"		Deflection	3'-0"	4'-1"	3'-9"
35	Stress	4'-4"	4'-4"	4'-10"	70	Stress	3'-1"	3'-1"	3'-5"
	Deflection	3'-9"	5'-0"	4'-7"		Deflection	2'-11"	4'-0"	3'-8"
40	Stress	4'-1"	4'-1"	4'-7"	75	Stress	2'-12"	2'-12"	3'-4"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	2'-11"	3'-11"	3'-7"
45	Stress	3'-10"	3'-10"	4'-3"	80	Stress	2'-11"	2'-11"	3'-3"
	Deflection	3'-5"	4'-7"	4'-3"		Deflection	2'-10"	3'-10"	3'-6"
50	Stress	3'-8"	3'-8"	4'-1"	85	Stress	2'-9"	2'-9"	3'-1"
	Deflection	3'-4"	4'-6"	4'-1"		Deflection	2'-9"	3'-9"	3'-5"

See page 3 for standard notes

Load / Span Data

MX-1
Aluminum Perforated

0.050 in

Ix: 0.2596 in^4/ft
Sx: 0.291 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	10'-4"	10'-4"	11'-7"	55	Stress	6'-3"	6'-3"	7'-0"
	Deflection	7'-3"	9'-10"	9'-0"		Deflection	5'-2"	7'-0"	6'-5"
25	Stress	9'-3"	9'-3"	10'-4"	60	Stress	5'-12"	5'-12"	6'-8"
	Deflection	6'-9"	9'-1"	8'-4"		Deflection	5'-1"	6'-10"	6'-3"
30	Stress	8'-5"	8'-5"	9'-5"	65	Stress	5'-9"	5'-9"	6'-5"
	Deflection	6'-4"	8'-7"	7'-11"		Deflection	4'-11"	6'-8"	6'-1"
35	Stress	7'-10"	7'-10"	8'-9"	70	Stress	5'-6"	5'-6"	6'-2"
	Deflection	6'-0"	8'-2"	7'-6"		Deflection	4'-9"	6'-6"	5'-11"
40	Stress	7'-4"	7'-4"	8'-2"	75	Stress	5'-4"	5'-4"	6'-0"
	Deflection	5'-9"	7'-10"	7'-2"		Deflection	4'-8"	6'-4"	5'-10"
45	Stress	6'-11"	6'-11"	7'-8"	80	Stress	5'-2"	5'-2"	5'-9"
	Deflection	5'-7"	7'-6"	6'-11"		Deflection	4'-7"	6'-2"	5'-8"
50	Stress	6'-6"	6'-6"	7'-4"	85	Stress	5'-0"	5'-0"	5'-7"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	4'-6"	6'-1"	5'-7"

MX-1
Aluminum Perforated

0.050 in

Ix: 0.1962 in^4/ft
Sx: 0.2239 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	9'-1"	9'-1"	10'-2"	150	Stress	3'-4"	3'-4"	3'-8"
	Deflection	6'-7"	8'-11"	8'-3"		Deflection	3'-5"	4'-7"	4'-2"
25	Stress	8'-1"	8'-1"	9'-1"	155	Stress	3'-3"	3'-3"	3'-8"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	3'-4"	4'-6"	4'-2"
30	Stress	7'-5"	7'-5"	8'-3"	160	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-9"	7'-10"	7'-2"		Deflection	3'-4"	4'-6"	4'-1"
35	Stress	6'-10"	6'-10"	7'-8"	165	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	3'-3"	4'-5"	4'-1"
40	Stress	6'-5"	6'-5"	7'-2"	170	Stress	3'-1"	3'-1"	3'-6"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-3"	4'-5"	4'-0"
45	Stress	6'-0"	6'-0"	6'-9"	175	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-1"	6'-10"	6'-3"		Deflection	3'-3"	4'-4"	4'-0"
50	Stress	5'-9"	5'-9"	6'-5"	180	Stress	3'-0"	3'-0"	3'-5"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	3'-2"	4'-4"	3'-11"

See page 3 for standard notes

MX-1
Aluminum Perforated

0.050 in

Ix: 0.1617 in^4/ft
Sx: 0.1916 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	8'-5"	8'-5"	9'-4"	55	Stress	5'-1"	5'-1"	5'-8"
	Deflection	6'-3"	8'-5"	7'-8"		Deflection	4'-5"	6'-0"	5'-6"
25	Stress	7'-6"	7'-6"	8'-5"	60	Stress	4'-10"	4'-10"	5'-5"
	Deflection	5'-9"	7'-9"	7'-2"		Deflection	4'-4"	5'-10"	5'-4"
30	Stress	6'-10"	6'-10"	7'-8"	65	Stress	4'-8"	4'-8"	5'-2"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-2"	5'-8"	5'-2"
35	Stress	6'-4"	6'-4"	7'-1"	70	Stress	4'-6"	4'-6"	5'-0"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	4'-1"	5'-6"	5'-1"
40	Stress	5'-11"	5'-11"	6'-8"	75	Stress	4'-4"	4'-4"	4'-10"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	4'-0"	5'-5"	4'-11"
45	Stress	5'-7"	5'-7"	6'-3"	80	Stress	4'-2"	4'-2"	4'-8"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-11"	5'-3"	4'-10"
50	Stress	5'-4"	5'-4"	5'-11"	85	Stress	4'-1"	4'-1"	4'-7"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

MX-1
Aluminum Perforated

0.050 in

Ix: 0.1465 in^4/ft
Sx: 0.1791 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	8'-1"	8'-1"	9'-1"	55	Stress	4'-11"	4'-11"	5'-6"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-3"	5'-9"	5'-4"
25	Stress	7'-3"	7'-3"	8'-1"	60	Stress	4'-8"	4'-8"	5'-3"
	Deflection	5'-7"	7'-6"	6'-11"		Deflection	4'-2"	5'-8"	5'-2"
30	Stress	6'-7"	6'-7"	7'-5"	65	Stress	4'-6"	4'-6"	5'-0"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	4'-1"	5'-6"	5'-0"
35	Stress	6'-2"	6'-2"	6'-10"	70	Stress	4'-4"	4'-4"	4'-10"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-11"	5'-4"	4'-11"
40	Stress	5'-9"	5'-9"	6'-5"	75	Stress	4'-2"	4'-2"	4'-8"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-10"	5'-3"	4'-10"
45	Stress	5'-5"	5'-5"	6'-0"	80	Stress	4'-1"	4'-1"	4'-6"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-9"	5'-1"	4'-8"
50	Stress	5'-2"	5'-2"	5'-9"	85	Stress	3'-11"	3'-11"	4'-5"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-9"	5'-0"	4'-7"

See page 3 for standard notes

Load / Span Data

MX-1
Aluminum Perforated

0.050 in

Ix: 0.115 in^4/ft
Sx: 0.1491 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-5"	7'-5"	8'-3"	55	Stress	4'-6"	4'-6"	5'-0"
	Deflection	5'-7"	7'-6"	6'-10"		Deflection	3'-11"	5'-4"	4'-11"
25	Stress	6'-7"	6'-7"	7'-5"	60	Stress	4'-3"	4'-3"	4'-9"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	3'-10"	5'-2"	4'-9"
30	Stress	6'-0"	6'-0"	6'-9"	65	Stress	4'-1"	4'-1"	4'-7"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-9"	5'-1"	4'-8"
35	Stress	5'-7"	5'-7"	6'-3"	70	Stress	3'-11"	3'-11"	4'-5"
	Deflection	4'-7"	6'-3"	5'-8"		Deflection	3'-8"	4'-11"	4'-6"
40	Stress	5'-3"	5'-3"	5'-10"	75	Stress	3'-10"	3'-10"	4'-3"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-7"	4'-10"	4'-5"
45	Stress	4'-11"	4'-11"	5'-6"	80	Stress	3'-8"	3'-8"	4'-2"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-6"	4'-9"	4'-4"
50	Stress	4'-8"	4'-8"	5'-3"	85	Stress	3'-7"	3'-7"	4'-0"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-5"	4'-7"	4'-3"

MX-1
Aluminum Perforated

0.050 in

Ix: 0.076 in^4/ft
Sx: 0.1119 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-5"	6'-5"	7'-2"	55	Stress	3'-10"	3'-10"	4'-4"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-5"	4'-8"	4'-3"
25	Stress	5'-9"	5'-9"	6'-5"	60	Stress	3'-8"	3'-8"	4'-2"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-4"	4'-6"	4'-2"
30	Stress	5'-3"	5'-3"	5'-10"	65	Stress	3'-7"	3'-7"	4'-0"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-3"	4'-5"	4'-1"
35	Stress	4'-10"	4'-10"	5'-5"	70	Stress	3'-5"	3'-5"	3'-10"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-2"	4'-4"	3'-11"
40	Stress	4'-6"	4'-6"	5'-1"	75	Stress	3'-4"	3'-4"	3'-8"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-1"	4'-2"	3'-10"
45	Stress	4'-3"	4'-3"	4'-9"	80	Stress	3'-2"	3'-2"	3'-7"
	Deflection	3'-8"	5'-0"	4'-7"		Deflection	3'-1"	4'-1"	3'-9"
50	Stress	4'-1"	4'-1"	4'-6"	85	Stress	3'-1"	3'-1"	3'-6"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	3'-0"	4'-0"	3'-8"

See page 3 for standard notes

MX-2
Aluminum Perforated

0.032 in

Ix: 0.1616 in^4/ft
Sx: 0.2004 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-4"	6'-4"	7'-1"	55	Stress	3'-10"	3'-10"	4'-3"
	Deflection	6'-3"	8'-5"	7'-8"		Deflection	4'-5"	6'-0"	5'-6"
25	Stress	5'-8"	5'-8"	6'-4"	60	Stress	3'-8"	3'-8"	4'-1"
	Deflection	5'-9"	7'-9"	7'-2"		Deflection	4'-4"	5'-10"	5'-4"
30	Stress	5'-2"	5'-2"	5'-9"	65	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-2"	5'-8"	5'-2"
35	Stress	4'-9"	4'-9"	5'-4"	70	Stress	3'-5"	3'-5"	3'-9"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	4'-1"	5'-6"	5'-1"
40	Stress	4'-6"	4'-6"	5'-0"	75	Stress	3'-3"	3'-3"	3'-8"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	4'-0"	5'-5"	4'-11"
45	Stress	4'-3"	4'-3"	4'-9"	80	Stress	3'-2"	3'-2"	3'-6"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-11"	5'-3"	4'-10"
50	Stress	4'-0"	4'-0"	4'-6"	85	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

MX-2
Aluminum Perforated

0.032 in

Ix: 0.1221 in^4/ft
Sx: 0.1496 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-6"	5'-6"	6'-1"	55	Stress	3'-4"	3'-4"	3'-8"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-0"	5'-5"	5'-0"
25	Stress	4'-11"	4'-11"	5'-6"	60	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-11"	5'-4"	4'-10"
30	Stress	4'-6"	4'-6"	5'-0"	65	Stress	3'-0"	3'-0"	3'-5"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	3'-10"	5'-2"	4'-9"
35	Stress	4'-2"	4'-2"	4'-7"	70	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-9"	5'-0"	4'-7"
40	Stress	3'-10"	3'-10"	4'-4"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	4'-11"	4'-6"
45	Stress	3'-8"	3'-8"	4'-1"	80	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-5"
50	Stress	3'-6"	3'-6"	3'-10"	85	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-6"	4'-9"	4'-4"

See page 3 for standard notes

Load / Span Data

MX-2
Aluminum Perforated

0.032 in

Ix: 0.1007 in^4/ft
Sx: 0.128 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-1"	5'-1"	5'-8"	55	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	3'-9"	5'-1"	4'-8"
25	Stress	4'-6"	4'-6"	5'-1"	60	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	3'-8"	5'-0"	4'-7"
30	Stress	4'-2"	4'-2"	4'-7"	65	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-7"	4'-10"	4'-5"
35	Stress	3'-10"	3'-10"	4'-3"	70	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-6"	4'-9"	4'-4"
40	Stress	3'-7"	3'-7"	4'-0"	75	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-5"	4'-7"	4'-3"
45	Stress	3'-4"	3'-4"	3'-9"	80	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-4"	4'-6"	4'-2"
50	Stress	3'-2"	3'-2"	3'-7"	85	Stress	2'-5"	2'-5"	2'-9"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-3"	4'-5"	4'-1"

MX-2
Aluminum Perforated

0.032 in

Ix: 0.0912 in^4/ft
Sx: 0.1196 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
30	Stress	4'-0"	4'-0"	4'-6"	65	Stress	2'-9"	2'-9"	3'-0"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-6"	4'-8"	4'-4"
35	Stress	3'-8"	3'-8"	4'-2"	70	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-5"	4'-7"	4'-2"
40	Stress	3'-6"	3'-6"	3'-10"	75	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-4"	4'-6"	4'-1"
45	Stress	3'-3"	3'-3"	3'-8"	80	Stress	2'-5"	2'-5"	2'-9"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-3"	4'-4"	4'-0"
50	Stress	3'-1"	3'-1"	3'-6"	85	Stress	2'-4"	2'-4"	2'-8"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-2"	4'-3"	3'-11"
55	Stress	2'-11"	2'-11"	3'-4"	90	Stress	2'-4"	2'-4"	2'-7"
	Deflection	3'-8"	4'-11"	4'-6"		Deflection	3'-1"	4'-2"	3'-10"
60	Stress	2'-10"	2'-10"	3'-2"	95	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	3'-1"	4'-1"	3'-9"

See page 3 for standard notes

MX-2
Aluminum Perforated

0.032 in

Ix: 0.0716 in^4/ft
Sx: 0.0996 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-6"	4'-6"	5'-0"	55	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-9"	6'-5"	5'-10"		Deflection	3'-5"	4'-7"	4'-2"
25	Stress	4'-0"	4'-0"	4'-6"	60	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-3"	4'-5"	4'-1"
30	Stress	3'-8"	3'-8"	4'-1"	65	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-2"	4'-4"	4'-0"
35	Stress	3'-4"	3'-4"	3'-9"	70	Stress	2'-5"	2'-5"	2'-8"
	Deflection	3'-11"	5'-4"	4'-10"		Deflection	3'-1"	4'-3"	3'-10"
40	Stress	3'-2"	3'-2"	3'-6"	75	Stress	2'-4"	2'-4"	2'-7"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-1"	4'-1"	3'-9"
45	Stress	3'-0"	3'-0"	3'-4"	80	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-7"	4'-11"	4'-6"		Deflection	3'-0"	4'-0"	3'-8"
50	Stress	2'-10"	2'-10"	3'-2"	85	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-6"	4'-8"	4'-4"		Deflection	2'-11"	3'-11"	3'-7"

MX-2
Aluminum Perforated

0.032 in

Ix: 0.0473 in^4/ft
Sx: 0.0748 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-10"	3'-10"	4'-4"	55	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-1"	5'-7"	5'-1"		Deflection	2'-11"	4'-0"	3'-8"
25	Stress	3'-6"	3'-6"	3'-10"	60	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	2'-10"	3'-10"	3'-7"
30	Stress	3'-2"	3'-2"	3'-6"	65	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-7"	4'-10"	4'-6"		Deflection	2'-9"	3'-9"	3'-5"
35	Stress	2'-11"	2'-11"	3'-3"	70	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-5"	4'-7"	4'-3"		Deflection	2'-9"	3'-8"	3'-4"
40	Stress	2'-9"	2'-9"	3'-1"	75	Stress	1'-12"	1'-12"	2'-3"
	Deflection	3'-3"	4'-5"	4'-1"		Deflection	2'-8"	3'-7"	3'-3"
45	Stress	2'-7"	2'-7"	2'-11"	80	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-2"	4'-3"	3'-11"		Deflection	2'-7"	3'-6"	3'-3"
50	Stress	2'-5"	2'-5"	2'-9"	85	Stress	1'-11"	1'-11"	2'-1"
	Deflection	3'-0"	4'-1"	3'-9"		Deflection	2'-7"	3'-5"	3'-2"

See page 3 for standard notes

Load / Span Data

MX-2
Aluminum Perforated

0.040 in

Ix: 0.2148 in^4/ft
Sx: 0.2451 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-0"	7'-0"	7'-10"	55	Stress	4'-3"	4'-3"	4'-9"
	Deflection	6'-10"	9'-3"	8'-6"		Deflection	4'-10"	6'-7"	6'-1"
25	Stress	6'-3"	6'-3"	7'-0"	60	Stress	4'-1"	4'-1"	4'-6"
	Deflection	6'-4"	8'-7"	7'-10"		Deflection	4'-9"	6'-5"	5'-10"
30	Stress	5'-9"	5'-9"	6'-5"	65	Stress	3'-11"	3'-11"	4'-4"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-7"	6'-3"	5'-9"
35	Stress	5'-4"	5'-4"	5'-11"	70	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-6"	6'-1"	5'-7"
40	Stress	4'-11"	4'-11"	5'-6"	75	Stress	3'-7"	3'-7"	4'-1"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-5"	5'-11"	5'-5"
45	Stress	4'-8"	4'-8"	5'-3"	80	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-3"	7'-0"	6'-6"		Deflection	4'-4"	5'-10"	5'-4"
50	Stress	4'-5"	4'-5"	4'-11"	85	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-0"	6'-9"	6'-3"		Deflection	4'-3"	5'-8"	5'-3"

MX-2
Aluminum Perforated

0.040 in

Ix: 0.1624 in^4/ft
Sx: 0.1885 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-2"	6'-2"	6'-10"	55	Stress	3'-8"	3'-8"	4'-2"
	Deflection	6'-3"	8'-5"	7'-9"		Deflection	4'-5"	6'-0"	5'-6"
25	Stress	5'-6"	5'-6"	6'-2"	60	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-9"	7'-10"	7'-2"		Deflection	4'-4"	5'-10"	5'-4"
30	Stress	5'-0"	5'-0"	5'-7"	65	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-2"	5'-8"	5'-2"
35	Stress	4'-8"	4'-8"	5'-2"	70	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-1"	5'-6"	5'-1"
40	Stress	4'-4"	4'-4"	4'-10"	75	Stress	3'-2"	3'-2"	3'-7"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	4'-0"	5'-5"	5'-0"
45	Stress	4'-1"	4'-1"	4'-7"	80	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-11"	5'-3"	4'-10"
50	Stress	3'-11"	3'-11"	4'-4"	85	Stress	2'-12"	2'-12"	3'-4"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

See page 3 for standard notes

MX-2
Aluminum Perforated

0.040 in

Ix: 0.1338 in^4/ft
Sx: 0.1614 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-8"	5'-8"	6'-4"	55	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-10"	7'-10"	7'-3"		Deflection	4'-2"	5'-7"	5'-2"
25	Stress	5'-1"	5'-1"	5'-8"	60	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-1"	5'-5"	5'-0"
30	Stress	4'-8"	4'-8"	5'-2"	65	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-11"	5'-4"	4'-11"
35	Stress	4'-4"	4'-4"	4'-10"	70	Stress	3'-0"	3'-0"	3'-5"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-10"	5'-2"	4'-9"
40	Stress	4'-0"	4'-0"	4'-6"	75	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-9"	5'-1"	4'-8"
45	Stress	3'-9"	3'-9"	4'-3"	80	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-8"	5'-0"	4'-7"
50	Stress	3'-7"	3'-7"	4'-0"	85	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-6"

MX-2
Aluminum Perforated

0.040 in

Ix: 0.1212 in^4/ft
Sx: 0.1508 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-6"	5'-6"	6'-2"	55	Stress	3'-4"	3'-4"	3'-8"
	Deflection	5'-8"	7'-7"	7'-0"		Deflection	4'-0"	5'-5"	5'-0"
25	Stress	4'-11"	4'-11"	5'-6"	60	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-11"	5'-3"	4'-10"
30	Stress	4'-6"	4'-6"	5'-0"	65	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	3'-10"	5'-2"	4'-9"
35	Stress	4'-2"	4'-2"	4'-8"	70	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-9"	5'-0"	4'-7"
40	Stress	3'-11"	3'-11"	4'-4"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	4'-11"	4'-6"
45	Stress	3'-8"	3'-8"	4'-1"	80	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-5"
50	Stress	3'-6"	3'-6"	3'-11"	85	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-6"	4'-8"	4'-4"

See page 3 for standard notes

Load / Span Data

MX-2
Aluminum Perforated

0.040 in

Ix: 0.0951 in^4/ft
Sx: 0.1255 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-0"	5'-0"	5'-7"	55	Stress	3'-0"	3'-0"	3'-5"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	3'-9"	5'-0"	4'-7"
25	Stress	4'-6"	4'-6"	5'-0"	60	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-7"	4'-10"	4'-6"
30	Stress	4'-1"	4'-1"	4'-7"	65	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-6"	4'-9"	4'-4"
35	Stress	3'-9"	3'-9"	4'-3"	70	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-5"	4'-8"	4'-3"
40	Stress	3'-7"	3'-7"	4'-0"	75	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-2"	5'-7"	5'-1"		Deflection	3'-4"	4'-6"	4'-2"
45	Stress	3'-4"	3'-4"	3'-9"	80	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-3"	4'-5"	4'-1"
50	Stress	3'-2"	3'-2"	3'-7"	85	Stress	2'-5"	2'-5"	2'-9"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-3"	4'-4"	4'-0"

MX-2
Aluminum Perforated

0.040 in

Ix: 0.0629 in^4/ft
Sx: 0.0943 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-4"	4'-4"	4'-10"	55	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-3"	4'-4"	4'-0"
25	Stress	3'-11"	3'-11"	4'-4"	60	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-2"	4'-3"	3'-11"
30	Stress	3'-7"	3'-7"	4'-0"	65	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-1"	4'-2"	3'-10"
35	Stress	3'-3"	3'-3"	3'-8"	70	Stress	2'-4"	2'-4"	2'-7"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-0"	4'-0"	3'-8"
40	Stress	3'-1"	3'-1"	3'-5"	75	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-7"	4'-10"	4'-6"		Deflection	2'-11"	3'-11"	3'-7"
45	Stress	2'-11"	2'-11"	3'-3"	80	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-6"	4'-8"	4'-3"		Deflection	2'-10"	3'-10"	3'-7"
50	Stress	2'-9"	2'-9"	3'-1"	85	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-4"	4'-6"	4'-2"		Deflection	2'-10"	3'-9"	3'-6"

See page 3 for standard notes

MX-2
Aluminum **Perforated**

0.050 in

Ix: 0.2532 in^4/ft
Sx: 0.3106 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-11"	7'-11"	8'-10"	55	Stress	4'-9"	4'-9"	5'-4"
	Deflection	7'-3"	9'-9"	8'-11"		Deflection	5'-2"	6'-11"	6'-5"
25	Stress	7'-1"	7'-1"	7'-11"	60	Stress	4'-7"	4'-7"	5'-1"
	Deflection	6'-8"	9'-0"	8'-4"		Deflection	5'-0"	6'-9"	6'-2"
30	Stress	6'-5"	6'-5"	7'-2"	65	Stress	4'-4"	4'-4"	4'-11"
	Deflection	6'-4"	8'-6"	7'-10"		Deflection	4'-10"	6'-7"	6'-0"
35	Stress	5'-11"	5'-11"	6'-8"	70	Stress	4'-3"	4'-3"	4'-9"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-9"	6'-5"	5'-11"
40	Stress	5'-7"	5'-7"	6'-3"	75	Stress	4'-1"	4'-1"	4'-7"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-8"	6'-3"	5'-9"
45	Stress	5'-3"	5'-3"	5'-10"	80	Stress	3'-11"	3'-11"	4'-5"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-7"	6'-2"	5'-8"
50	Stress	5'-0"	5'-0"	5'-7"	85	Stress	3'-10"	3'-10"	4'-3"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-5"	6'-0"	5'-6"

MX-2
Aluminum **Perforated**

0.050 in

Ix: 0.1913 in^4/ft
Sx: 0.2318 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-10"	6'-10"	7'-7"	55	Stress	4'-1"	4'-1"	4'-7"
	Deflection	6'-7"	8'-10"	8'-2"		Deflection	4'-8"	6'-4"	5'-10"
25	Stress	6'-1"	6'-1"	6'-10"	60	Stress	3'-11"	3'-11"	4'-5"
	Deflection	6'-1"	8'-3"	7'-7"		Deflection	4'-7"	6'-2"	5'-8"
30	Stress	5'-7"	5'-7"	6'-3"	65	Stress	3'-9"	3'-9"	4'-3"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-5"	6'-0"	5'-6"
35	Stress	5'-2"	5'-2"	5'-9"	70	Stress	3'-8"	3'-8"	4'-1"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-4"	5'-10"	5'-4"
40	Stress	4'-10"	4'-10"	5'-5"	75	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-3"	7'-0"	6'-6"		Deflection	4'-3"	5'-8"	5'-3"
45	Stress	4'-6"	4'-6"	5'-1"	80	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-0"	6'-9"	6'-3"		Deflection	4'-2"	5'-7"	5'-2"
50	Stress	4'-4"	4'-4"	4'-10"	85	Stress	3'-4"	3'-4"	3'-8"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	4'-1"	5'-6"	5'-0"

See page 3 for standard notes

Load / Span Data

MX-2
Aluminum Perforated

0.050 in

Ix: 0.1577 in^4/ft
Sx: 0.1984 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-4"	6'-4"	7'-1"	55	Stress	3'-10"	3'-10"	4'-3"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	4'-5"	5'-11"	5'-5"
25	Stress	5'-8"	5'-8"	6'-4"	60	Stress	3'-8"	3'-8"	4'-1"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-3"	5'-9"	5'-4"
30	Stress	5'-2"	5'-2"	5'-9"	65	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-5"	7'-3"	6'-8"		Deflection	4'-2"	5'-7"	5'-2"
35	Stress	4'-9"	4'-9"	5'-4"	70	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	4'-1"	5'-6"	5'-0"
40	Stress	4'-5"	4'-5"	5'-0"	75	Stress	3'-3"	3'-3"	3'-8"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	4'-0"	5'-4"	4'-11"
45	Stress	4'-2"	4'-2"	4'-8"	80	Stress	3'-2"	3'-2"	3'-6"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-11"	5'-3"	4'-10"
50	Stress	4'-0"	4'-0"	4'-5"	85	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-6"	6'-2"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

MX-2
Aluminum Perforated

0.050 in

Ix: 0.1429 in^4/ft
Sx: 0.1854 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-1"	6'-1"	6'-10"	55	Stress	3'-8"	3'-8"	4'-1"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-3"	5'-9"	5'-3"
25	Stress	5'-5"	5'-5"	6'-1"	60	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-6"	7'-6"	6'-10"		Deflection	4'-2"	5'-7"	5'-1"
30	Stress	5'-0"	5'-0"	5'-7"	65	Stress	3'-5"	3'-5"	3'-9"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-0"	5'-5"	5'-0"
35	Stress	4'-7"	4'-7"	5'-2"	70	Stress	3'-3"	3'-3"	3'-8"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	3'-11"	5'-4"	4'-10"
40	Stress	4'-4"	4'-4"	4'-10"	75	Stress	3'-2"	3'-2"	3'-6"
	Deflection	4'-9"	6'-5"	5'-10"		Deflection	3'-10"	5'-2"	4'-9"
45	Stress	4'-1"	4'-1"	4'-6"	80	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-9"	5'-1"	4'-8"
50	Stress	3'-10"	3'-10"	4'-4"	85	Stress	2'-11"	2'-11"	3'-4"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-8"	5'-0"	4'-7"

See page 3 for standard notes

MX-2
Aluminum Perforated

0.050 in

Ix: 0.1121 in^4/ft
Sx: 0.1543 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-7"	5'-7"	6'-3"	55	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	3'-11"	5'-4"	4'-10"
25	Stress	5'-0"	5'-0"	5'-7"	60	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-10"	5'-2"	4'-9"
30	Stress	4'-6"	4'-6"	5'-1"	65	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-10"	6'-6"	5'-11"		Deflection	3'-9"	5'-0"	4'-7"
35	Stress	4'-2"	4'-2"	4'-8"	70	Stress	2'-12"	2'-12"	3'-4"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-7"	4'-11"	4'-6"
40	Stress	3'-11"	3'-11"	4'-5"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-6"	4'-9"	4'-5"
45	Stress	3'-8"	3'-8"	4'-2"	80	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-6"	4'-8"	4'-4"
50	Stress	3'-6"	3'-6"	3'-11"	85	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-5"	4'-7"	4'-2"

MX-2
Aluminum Perforated

0.050 in

Ix: 0.0741 in^4/ft
Sx: 0.1159 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-10"	4'-10"	5'-5"	55	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-9"	6'-6"	5'-11"		Deflection	3'-5"	4'-7"	4'-3"
25	Stress	4'-4"	4'-4"	4'-10"	60	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-4"	4'-6"	4'-1"
30	Stress	3'-11"	3'-11"	4'-5"	65	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-3"	4'-4"	4'-0"
35	Stress	3'-8"	3'-8"	4'-1"	70	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-2"	4'-3"	3'-11"
40	Stress	3'-5"	3'-5"	3'-10"	75	Stress	2'-6"	2'-6"	2'-9"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-1"	4'-2"	3'-10"
45	Stress	3'-3"	3'-3"	3'-7"	80	Stress	2'-5"	2'-5"	2'-8"
	Deflection	3'-8"	4'-11"	4'-6"		Deflection	3'-0"	4'-1"	3'-9"
50	Stress	3'-1"	3'-1"	3'-5"	85	Stress	2'-4"	2'-4"	2'-7"
	Deflection	3'-6"	4'-9"	4'-5"		Deflection	2'-11"	4'-0"	3'-8"

See page 3 for standard notes

Load / Span Data

MX-3
Aluminum Perforated

0.032 in

Ix: 0.1384 in^4/ft
Sx: 0.1369 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-3"	5'-3"	5'-10"	55	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-11"	8'-0"	7'-4"		Deflection	4'-3"	5'-8"	5'-3"
25	Stress	4'-8"	4'-8"	5'-3"	60	Stress	3'-0"	3'-0"	3'-5"
	Deflection	5'-6"	7'-5"	6'-9"		Deflection	4'-1"	5'-6"	5'-1"
30	Stress	4'-3"	4'-3"	4'-9"	65	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	4'-0"	5'-4"	4'-11"
35	Stress	3'-11"	3'-11"	4'-5"	70	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	3'-11"	5'-3"	4'-10"
40	Stress	3'-8"	3'-8"	4'-2"	75	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-10"	5'-1"	4'-8"
45	Stress	3'-6"	3'-6"	3'-11"	80	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-9"	5'-0"	4'-7"
50	Stress	3'-4"	3'-4"	3'-8"	85	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-4"	5'-10"	5'-5"		Deflection	3'-8"	4'-11"	4'-6"

MX-3
Aluminum Perforated

0.032 in

Ix: 0.1046 in^4/ft
Sx: 0.1022 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-6"	4'-6"	5'-1"	55	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	3'-10"	5'-2"	4'-9"
25	Stress	4'-1"	4'-1"	4'-6"	60	Stress	2'-7"	2'-7"	2'-11"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-9"	5'-0"	4'-7"
30	Stress	3'-8"	3'-8"	4'-2"	65	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-8"	4'-11"	4'-6"
35	Stress	3'-5"	3'-5"	3'-10"	70	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-6"	4'-9"	4'-5"
40	Stress	3'-2"	3'-2"	3'-7"	75	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-5"	4'-8"	4'-3"
45	Stress	3'-0"	3'-0"	3'-4"	80	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-5"	4'-7"	4'-2"
50	Stress	2'-10"	2'-10"	3'-2"	85	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-11"	5'-4"	4'-11"		Deflection	3'-4"	4'-6"	4'-1"

See page 3 for standard notes

MX-3
Aluminum Perforated

0.032 in

Ix: 0.0862 in^4/ft
Sx: 0.0874 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-2"	4'-2"	4'-8"	55	Stress	2'-6"	2'-6"	2'-10"
	Deflection	5'-0"	6'-10"	6'-3"		Deflection	3'-7"	4'-10"	4'-5"
25	Stress	3'-9"	3'-9"	4'-2"	60	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-6"	4'-9"	4'-4"
30	Stress	3'-5"	3'-5"	3'-10"	65	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-5"	4'-7"	4'-3"
35	Stress	3'-2"	3'-2"	3'-6"	70	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-4"	4'-6"	4'-1"
40	Stress	2'-11"	2'-11"	3'-4"	75	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	3'-3"	4'-5"	4'-0"
45	Stress	2'-9"	2'-9"	3'-1"	80	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-2"	4'-3"	3'-11"
50	Stress	2'-8"	2'-8"	2'-11"	85	Stress	2'-0"	2'-0"	2'-3"
	Deflection	3'-9"	5'-0"	4'-7"		Deflection	3'-1"	4'-2"	3'-10"

MX-3
Aluminum Perforated

0.032 in

Ix: 0.0781 in^4/ft
Sx: 0.0817 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
30	Stress	3'-4"	3'-4"	3'-8"	65	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-3"	4'-5"	4'-1"
35	Stress	3'-1"	3'-1"	3'-5"	70	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-3"	4'-4"	4'-0"
40	Stress	2'-10"	2'-10"	3'-2"	75	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-10"	5'-3"	4'-10"		Deflection	3'-2"	4'-3"	3'-11"
45	Stress	2'-8"	2'-8"	3'-0"	80	Stress	2'-0"	2'-0"	2'-3"
	Deflection	3'-9"	5'-0"	4'-7"		Deflection	3'-1"	4'-2"	3'-10"
50	Stress	2'-7"	2'-7"	2'-10"	85	Stress	1'-12"	1'-12"	2'-2"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	3'-0"	4'-1"	3'-9"
55	Stress	2'-5"	2'-5"	2'-9"	90	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-6"	4'-8"	4'-4"		Deflection	2'-11"	4'-0"	3'-8"
60	Stress	2'-4"	2'-4"	2'-7"	95	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-5"	4'-7"	4'-2"		Deflection	2'-11"	3'-11"	3'-7"

See page 3 for standard notes

Load / Span Data

MX-3
Aluminum Perforated

0.032 in

Ix: 0.0613 in^4/ft
Sx: 0.068 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-8"	3'-8"	4'-1"	55	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-2"	4'-4"	4'-0"
25	Stress	3'-4"	3'-4"	3'-8"	60	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-1"	4'-2"	3'-10"
30	Stress	3'-0"	3'-0"	3'-4"	65	Stress	2'-1"	2'-1"	2'-3"
	Deflection	3'-11"	5'-4"	4'-10"		Deflection	3'-0"	4'-1"	3'-9"
35	Stress	2'-9"	2'-9"	3'-1"	70	Stress	1'-12"	1'-12"	2'-2"
	Deflection	3'-9"	5'-0"	4'-7"		Deflection	3'-0"	4'-0"	3'-8"
40	Stress	2'-7"	2'-7"	2'-11"	75	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	2'-11"	3'-11"	3'-7"
45	Stress	2'-6"	2'-6"	2'-9"	80	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-5"	4'-8"	4'-3"		Deflection	2'-10"	3'-10"	3'-6"
50	Stress	2'-4"	2'-4"	2'-7"	85	Stress	1'-9"	1'-9"	2'-0"
	Deflection	3'-4"	4'-6"	4'-1"		Deflection	2'-9"	3'-9"	3'-5"

MX-3
Aluminum Perforated

0.032 in

Ix: 0.0405 in^4/ft
Sx: 0.0511 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-2"	3'-2"	3'-7"	55	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	2'-10"	3'-9"	3'-6"
25	Stress	2'-10"	2'-10"	3'-2"	60	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-8"	4'-11"	4'-6"		Deflection	2'-9"	3'-8"	3'-4"
30	Stress	2'-7"	2'-7"	2'-11"	65	Stress	1'-9"	1'-9"	2'-0"
	Deflection	3'-5"	4'-7"	4'-3"		Deflection	2'-8"	3'-7"	3'-3"
35	Stress	2'-5"	2'-5"	2'-8"	70	Stress	1'-9"	1'-9"	1'-11"
	Deflection	3'-3"	4'-5"	4'-0"		Deflection	2'-7"	3'-6"	3'-2"
40	Stress	2'-3"	2'-3"	2'-6"	75	Stress	1'-8"	1'-8"	1'-10"
	Deflection	3'-1"	4'-2"	3'-10"		Deflection	2'-6"	3'-5"	3'-2"
45	Stress	2'-2"	2'-2"	2'-5"	80	Stress	1'-7"	1'-7"	1'-9"
	Deflection	3'-0"	4'-0"	3'-8"		Deflection	2'-6"	3'-4"	3'-1"
50	Stress	2'-0"	2'-0"	2'-3"	85	Stress	1'-7"	1'-7"	1'-9"
	Deflection	2'-11"	3'-11"	3'-7"		Deflection	2'-5"	3'-3"	3'-0"

See page 3 for standard notes

MX-3
Aluminum Perforated

0.040 in

Ix: 0.1855 in^4/ft
Sx: 0.1813 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-0"	6'-0"	6'-9"	55	Stress	3'-8"	3'-8"	4'-1"
	Deflection	6'-6"	8'-9"	8'-1"		Deflection	4'-8"	6'-3"	5'-9"
25	Stress	5'-5"	5'-5"	6'-0"	60	Stress	3'-6"	3'-6"	3'-11"
	Deflection	6'-0"	8'-2"	7'-6"		Deflection	4'-6"	6'-1"	5'-7"
30	Stress	4'-11"	4'-11"	5'-6"	65	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-8"	7'-8"	7'-1"		Deflection	4'-5"	5'-11"	5'-5"
35	Stress	4'-7"	4'-7"	5'-1"	70	Stress	3'-3"	3'-3"	3'-7"
	Deflection	5'-5"	7'-3"	6'-8"		Deflection	4'-3"	5'-9"	5'-4"
40	Stress	4'-3"	4'-3"	4'-9"	75	Stress	3'-1"	3'-1"	3'-6"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-2"	5'-8"	5'-2"
45	Stress	4'-0"	4'-0"	4'-6"	80	Stress	3'-0"	3'-0"	3'-4"
	Deflection	5'-0"	6'-8"	6'-2"		Deflection	4'-1"	5'-6"	5'-1"
50	Stress	3'-10"	3'-10"	4'-3"	85	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-9"	6'-6"	5'-11"		Deflection	4'-0"	5'-5"	5'-0"

MX-3
Aluminum Perforated

0.040 in

Ix: 0.1402 in^4/ft
Sx: 0.1353 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-2"	5'-2"	5'-10"	55	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-11"	8'-0"	7'-4"		Deflection	4'-3"	5'-8"	5'-3"
25	Stress	4'-8"	4'-8"	5'-2"	60	Stress	3'-0"	3'-0"	3'-4"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-1"	5'-7"	5'-1"
30	Stress	4'-3"	4'-3"	4'-9"	65	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-0"	5'-5"	4'-11"
35	Stress	3'-11"	3'-11"	4'-5"	70	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	3'-11"	5'-3"	4'-10"
40	Stress	3'-8"	3'-8"	4'-1"	75	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-10"	5'-2"	4'-9"
45	Stress	3'-6"	3'-6"	3'-11"	80	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-9"	5'-0"	4'-8"
50	Stress	3'-3"	3'-3"	3'-8"	85	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-8"	4'-11"	4'-6"

See page 3 for standard notes

Load / Span Data

MX-3
Aluminum Perforated

0.040 in

Ix: 0.1155 in^4/ft
Sx: 0.1158 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-10"	4'-10"	5'-5"	55	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-7"	7'-6"	6'-11"		Deflection	4'-0"	5'-4"	4'-11"
25	Stress	4'-4"	4'-4"	4'-10"	60	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	3'-10"	5'-2"	4'-9"
30	Stress	3'-11"	3'-11"	4'-5"	65	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	3'-9"	5'-1"	4'-8"
35	Stress	3'-8"	3'-8"	4'-1"	70	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-7"	6'-3"	5'-9"		Deflection	3'-8"	4'-11"	4'-6"
40	Stress	3'-5"	3'-5"	3'-10"	75	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-5"	5'-11"	5'-6"		Deflection	3'-7"	4'-10"	4'-5"
45	Stress	3'-3"	3'-3"	3'-7"	80	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-6"	4'-9"	4'-4"
50	Stress	3'-1"	3'-1"	3'-5"	85	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-5"	4'-8"	4'-3"

MX-3
Aluminum Perforated

0.040 in

Ix: 0.1047 in^4/ft
Sx: 0.1082 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-8"	4'-8"	5'-2"	55	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	3'-10"	5'-2"	4'-9"
25	Stress	4'-2"	4'-2"	4'-8"	60	Stress	2'-8"	2'-8"	3'-0"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-9"	5'-0"	4'-7"
30	Stress	3'-10"	3'-10"	4'-3"	65	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-8"	4'-11"	4'-6"
35	Stress	3'-6"	3'-6"	3'-11"	70	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-6"	4'-9"	4'-5"
40	Stress	3'-3"	3'-3"	3'-8"	75	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-5"	4'-8"	4'-3"
45	Stress	3'-1"	3'-1"	3'-6"	80	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-5"	4'-7"	4'-2"
50	Stress	2'-11"	2'-11"	3'-3"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-4"	4'-6"	4'-1"

See page 3 for standard notes

MX-3
Aluminum Perforated

0.040 in

Ix: 0.0822 in^4/ft
Sx: 0.0901 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-3"	4'-3"	4'-9"	55	Stress	2'-7"	2'-7"	2'-10"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	3'-6"	4'-9"	4'-5"
25	Stress	3'-10"	3'-10"	4'-3"	60	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-7"	6'-3"	5'-8"		Deflection	3'-5"	4'-8"	4'-3"
30	Stress	3'-6"	3'-6"	3'-11"	65	Stress	2'-4"	2'-4"	2'-8"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-4"	4'-6"	4'-2"
35	Stress	3'-3"	3'-3"	3'-7"	70	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-1"	5'-7"	5'-1"		Deflection	3'-3"	4'-5"	4'-1"
40	Stress	3'-0"	3'-0"	3'-4"	75	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-11"	5'-4"	4'-11"		Deflection	3'-2"	4'-4"	3'-11"
45	Stress	2'-10"	2'-10"	3'-2"	80	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-1"	4'-3"	3'-10"
50	Stress	2'-8"	2'-8"	3'-0"	85	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-8"	4'-11"	4'-6"		Deflection	3'-1"	4'-2"	3'-10"

MX-3
Aluminum Perforated

0.040 in

Ix: 0.0543 in^4/ft
Sx: 0.0677 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-8"	3'-8"	4'-1"	55	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-1"	4'-2"	3'-10"
25	Stress	3'-3"	3'-3"	3'-8"	60	Stress	2'-1"	2'-1"	2'-4"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-0"	4'-0"	3'-9"
30	Stress	3'-0"	3'-0"	3'-4"	65	Stress	2'-0"	2'-0"	2'-3"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	2'-11"	3'-11"	3'-7"
35	Stress	2'-9"	2'-9"	3'-1"	70	Stress	1'-12"	1'-12"	2'-2"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	2'-10"	3'-10"	3'-6"
40	Stress	2'-7"	2'-7"	2'-11"	75	Stress	1'-11"	1'-11"	2'-1"
	Deflection	3'-5"	4'-8"	4'-3"		Deflection	2'-9"	3'-9"	3'-5"
45	Stress	2'-5"	2'-5"	2'-9"	80	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-4"	4'-5"	4'-1"		Deflection	2'-9"	3'-8"	3'-4"
50	Stress	2'-4"	2'-4"	2'-7"	85	Stress	1'-9"	1'-9"	2'-0"
	Deflection	3'-2"	4'-4"	3'-11"		Deflection	2'-8"	3'-7"	3'-4"

See page 3 for standard notes

Load / Span Data

MX-3
Aluminum Perforated

0.050 in

Ix: 0.2173 in^4/ft
Sx: 0.2129 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-6"	6'-6"	7'-4"	55	Stress	3'-11"	3'-11"	4'-5"
	Deflection	6'-10"	9'-3"	8'-6"		Deflection	4'-11"	6'-7"	6'-1"
25	Stress	5'-10"	5'-10"	6'-6"	60	Stress	3'-9"	3'-9"	4'-3"
	Deflection	6'-4"	8'-7"	7'-11"		Deflection	4'-9"	6'-5"	5'-11"
30	Stress	5'-4"	5'-4"	5'-11"	65	Stress	3'-7"	3'-7"	4'-1"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-8"	6'-3"	5'-9"
35	Stress	4'-11"	4'-11"	5'-6"	70	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-8"	7'-8"	7'-1"		Deflection	4'-6"	6'-1"	5'-7"
40	Stress	4'-7"	4'-7"	5'-2"	75	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-5"	5'-11"	5'-6"
45	Stress	4'-4"	4'-4"	4'-10"	80	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	4'-4"	5'-10"	5'-4"
50	Stress	4'-2"	4'-2"	4'-7"	85	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-1"	6'-10"	6'-3"		Deflection	4'-3"	5'-9"	5'-3"

MX-3
Aluminum Perforated

0.050 in

Ix: 0.1642 in^4/ft
Sx: 0.1589 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-8"	5'-8"	6'-4"	55	Stress	3'-5"	3'-5"	3'-10"
	Deflection	6'-3"	8'-5"	7'-9"		Deflection	4'-5"	6'-0"	5'-6"
25	Stress	5'-1"	5'-1"	5'-8"	60	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-10"	7'-10"	7'-2"		Deflection	4'-4"	5'-10"	5'-4"
30	Stress	4'-7"	4'-7"	5'-2"	65	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-3"	5'-8"	5'-3"
35	Stress	4'-3"	4'-3"	4'-9"	70	Stress	3'-0"	3'-0"	3'-4"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-1"	5'-7"	5'-1"
40	Stress	4'-0"	4'-0"	4'-5"	75	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	4'-0"	5'-5"	5'-0"
45	Stress	3'-9"	3'-9"	4'-2"	80	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-11"	5'-4"	4'-11"
50	Stress	3'-7"	3'-7"	4'-0"	85	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-7"	6'-3"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

See page 3 for standard notes

MX-3
Aluminum Perforated

0.050 in

Ix: 0.1353 in^4/ft
Sx: 0.136 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-3"	5'-3"	5'-10"	55	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-10"	7'-11"	7'-3"		Deflection	4'-2"	5'-8"	5'-2"
25	Stress	4'-8"	4'-8"	5'-3"	60	Stress	3'-0"	3'-0"	3'-4"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-1"	5'-6"	5'-0"
30	Stress	4'-3"	4'-3"	4'-9"	65	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-11"	5'-4"	4'-11"
35	Stress	3'-11"	3'-11"	4'-5"	70	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	3'-10"	5'-2"	4'-9"
40	Stress	3'-8"	3'-8"	4'-1"	75	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-9"	5'-1"	4'-8"
45	Stress	3'-6"	3'-6"	3'-11"	80	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-6"	6'-0"	5'-6"		Deflection	3'-8"	5'-0"	4'-7"
50	Stress	3'-4"	3'-4"	3'-8"	85	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-11"	4'-6"

MX-3
Aluminum Perforated

0.050 in

Ix: 0.1226 in^4/ft
Sx: 0.1271 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-1"	5'-1"	5'-8"	55	Stress	3'-0"	3'-0"	3'-5"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-1"	5'-5"	5'-0"
25	Stress	4'-6"	4'-6"	5'-1"	60	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-11"	5'-4"	4'-10"
30	Stress	4'-1"	4'-1"	4'-7"	65	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	3'-10"	5'-2"	4'-9"
35	Stress	3'-10"	3'-10"	4'-3"	70	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-9"	5'-0"	4'-8"
40	Stress	3'-7"	3'-7"	4'-0"	75	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	4'-11"	4'-6"
45	Stress	3'-4"	3'-4"	3'-9"	80	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-5"
50	Stress	3'-2"	3'-2"	3'-7"	85	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-6"	4'-9"	4'-4"

See page 3 for standard notes

Load / Span Data

MX-3
Aluminum Perforated

0.050 in

Ix: 0.0962 in^4/ft
Sx: 0.1058 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-7"	4'-7"	5'-2"	55	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-9"	5'-0"	4'-7"
25	Stress	4'-1"	4'-1"	4'-7"	60	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	3'-7"	4'-11"	4'-6"
30	Stress	3'-9"	3'-9"	4'-2"	65	Stress	2'-7"	2'-7"	2'-10"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-6"	4'-9"	4'-4"
35	Stress	3'-6"	3'-6"	3'-11"	70	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-5"	4'-8"	4'-3"
40	Stress	3'-3"	3'-3"	3'-8"	75	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-4"	4'-6"	4'-2"
45	Stress	3'-1"	3'-1"	3'-5"	80	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	3'-3"	4'-5"	4'-1"
50	Stress	2'-11"	2'-11"	3'-3"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-3"	4'-4"	4'-0"

MX-3
Aluminum Perforated

0.050 in

Ix: 0.0636 in^4/ft
Sx: 0.0795 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-0"	4'-0"	4'-5"	55	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-3"	4'-5"	4'-0"
25	Stress	3'-7"	3'-7"	4'-0"	60	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-2"	4'-3"	3'-11"
30	Stress	3'-3"	3'-3"	3'-8"	65	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-1"	4'-2"	3'-10"
35	Stress	3'-0"	3'-0"	3'-4"	70	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-0"	4'-1"	3'-9"
40	Stress	2'-10"	2'-10"	3'-2"	75	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-7"	4'-11"	4'-6"		Deflection	2'-11"	3'-11"	3'-8"
45	Stress	2'-8"	2'-8"	3'-0"	80	Stress	1'-12"	1'-12"	2'-3"
	Deflection	3'-6"	4'-8"	4'-4"		Deflection	2'-10"	3'-10"	3'-7"
50	Stress	2'-6"	2'-6"	2'-10"	85	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-4"	4'-6"	4'-2"		Deflection	2'-10"	3'-10"	3'-6"

See page 3 for standard notes

MX-4
Aluminum Perforated

0.032 in

Ix: 0.1425 in^4/ft
Sx: 0.1408 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-4"	5'-4"	5'-11"	55	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-11"	8'-0"	7'-5"		Deflection	4'-3"	5'-9"	5'-3"
25	Stress	4'-9"	4'-9"	5'-4"	60	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-6"	7'-6"	6'-10"		Deflection	4'-2"	5'-7"	5'-1"
30	Stress	4'-4"	4'-4"	4'-10"	65	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-0"	5'-5"	5'-0"
35	Stress	4'-0"	4'-0"	4'-6"	70	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	3'-11"	5'-4"	4'-10"
40	Stress	3'-9"	3'-9"	4'-2"	75	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-9"	6'-5"	5'-10"		Deflection	3'-10"	5'-2"	4'-9"
45	Stress	3'-6"	3'-6"	3'-11"	80	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-9"	5'-1"	4'-8"
50	Stress	3'-4"	3'-4"	3'-9"	85	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-8"	5'-0"	4'-7"

MX-4
Aluminum Perforated

0.032 in

Ix: 0.1077 in^4/ft
Sx: 0.1051 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-7"	4'-7"	5'-1"	55	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	3'-10"	5'-3"	4'-10"
25	Stress	4'-1"	4'-1"	4'-7"	60	Stress	2'-8"	2'-8"	3'-0"
	Deflection	5'-0"	6'-10"	6'-3"		Deflection	3'-9"	5'-1"	4'-8"
30	Stress	3'-9"	3'-9"	4'-2"	65	Stress	2'-7"	2'-7"	2'-10"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-8"	4'-11"	4'-6"
35	Stress	3'-6"	3'-6"	3'-10"	70	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-7"	4'-10"	4'-5"
40	Stress	3'-3"	3'-3"	3'-7"	75	Stress	2'-4"	2'-4"	2'-8"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-6"	4'-9"	4'-4"
45	Stress	3'-1"	3'-1"	3'-5"	80	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-5"	4'-7"	4'-3"
50	Stress	2'-11"	2'-11"	3'-3"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	3'-4"	4'-6"	4'-2"

See page 3 for standard notes

Load / Span Data

MX-4
Aluminum Perforated

0.032 in

Ix: 0.0888 in^4/ft
Sx: 0.0899 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-3"	4'-3"	4'-9"	55	Stress	2'-7"	2'-7"	2'-10"
	Deflection	5'-1"	6'-10"	6'-4"		Deflection	3'-8"	4'-11"	4'-6"
25	Stress	3'-10"	3'-10"	4'-3"	60	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-9"	6'-4"	5'-10"		Deflection	3'-6"	4'-9"	4'-4"
30	Stress	3'-6"	3'-6"	3'-10"	65	Stress	2'-4"	2'-4"	2'-8"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-5"	4'-8"	4'-3"
35	Stress	3'-2"	3'-2"	3'-7"	70	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-4"	4'-6"	4'-2"
40	Stress	3'-0"	3'-0"	3'-4"	75	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-3"	4'-5"	4'-1"
45	Stress	2'-10"	2'-10"	3'-2"	80	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-2"	4'-4"	4'-0"
50	Stress	2'-8"	2'-8"	3'-0"	85	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-2"	4'-3"	3'-11"

MX-4
Aluminum Perforated

0.032 in

Ix: 0.0804 in^4/ft
Sx: 0.084 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
30	Stress	3'-4"	3'-4"	3'-9"	65	Stress	2'-3"	2'-3"	2'-7"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-4"	4'-6"	4'-1"
35	Stress	3'-1"	3'-1"	3'-6"	70	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-3"	4'-5"	4'-0"
40	Stress	2'-11"	2'-11"	3'-3"	75	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-2"	4'-3"	3'-11"
45	Stress	2'-9"	2'-9"	3'-1"	80	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-1"	4'-2"	3'-10"
50	Stress	2'-7"	2'-7"	2'-11"	85	Stress	1'-12"	1'-12"	2'-3"
	Deflection	3'-8"	4'-11"	4'-6"		Deflection	3'-0"	4'-1"	3'-9"
55	Stress	2'-6"	2'-6"	2'-9"	90	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-6"	4'-9"	4'-4"		Deflection	3'-0"	4'-0"	3'-8"
60	Stress	2'-4"	2'-4"	2'-8"	95	Stress	1'-11"	1'-11"	2'-1"
	Deflection	3'-5"	4'-7"	4'-3"		Deflection	2'-11"	3'-11"	3'-8"

See page 3 for standard notes

MX-4
Aluminum Perforated

0.032 in

Ix: 0.0631 in^4/ft
Sx: 0.07 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-9"	3'-9"	4'-2"	55	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-6"	6'-2"	5'-8"		Deflection	3'-3"	4'-4"	4'-0"
25	Stress	3'-4"	3'-4"	3'-9"	60	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-2"	4'-3"	3'-11"
30	Stress	3'-1"	3'-1"	3'-5"	65	Stress	2'-1"	2'-1"	2'-4"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-1"	4'-2"	3'-10"
35	Stress	2'-10"	2'-10"	3'-2"	70	Stress	1'-12"	1'-12"	2'-3"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-0"	4'-0"	3'-8"
40	Stress	2'-8"	2'-8"	2'-11"	75	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-7"	4'-10"	4'-6"		Deflection	2'-11"	3'-11"	3'-7"
45	Stress	2'-6"	2'-6"	2'-9"	80	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-6"	4'-8"	4'-4"		Deflection	2'-10"	3'-10"	3'-7"
50	Stress	2'-4"	2'-4"	2'-8"	85	Stress	1'-10"	1'-10"	2'-0"
	Deflection	3'-4"	4'-6"	4'-2"		Deflection	2'-10"	3'-9"	3'-6"

MX-4
Aluminum Perforated

0.032 in

Ix: 0.0417 in^4/ft
Sx: 0.0525 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-3"	3'-3"	3'-7"	55	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-11"	5'-4"	4'-11"		Deflection	2'-10"	3'-10"	3'-6"
25	Stress	2'-11"	2'-11"	3'-3"	60	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-8"	4'-11"	4'-7"		Deflection	2'-9"	3'-8"	3'-5"
30	Stress	2'-8"	2'-8"	3'-0"	65	Stress	1'-10"	1'-10"	2'-0"
	Deflection	3'-5"	4'-8"	4'-3"		Deflection	2'-8"	3'-7"	3'-4"
35	Stress	2'-5"	2'-5"	2'-9"	70	Stress	1'-9"	1'-9"	1'-11"
	Deflection	3'-3"	4'-5"	4'-1"		Deflection	2'-7"	3'-6"	3'-3"
40	Stress	2'-4"	2'-4"	2'-7"	75	Stress	1'-8"	1'-8"	1'-10"
	Deflection	3'-2"	4'-3"	3'-11"		Deflection	2'-7"	3'-5"	3'-2"
45	Stress	2'-2"	2'-2"	2'-5"	80	Stress	1'-7"	1'-7"	1'-10"
	Deflection	3'-0"	4'-1"	3'-9"		Deflection	2'-6"	3'-4"	3'-1"
50	Stress	2'-1"	2'-1"	2'-4"	85	Stress	1'-7"	1'-7"	1'-9"
	Deflection	2'-11"	3'-11"	3'-7"		Deflection	2'-5"	3'-4"	3'-0"

See page 3 for standard notes

Load / Span Data

MX-4
Aluminum Perforated

0.040 in

Ix: 0.1743 in^4/ft
Sx: 0.1717 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-10"	5'-10"	6'-7"	55	Stress	3'-6"	3'-6"	3'-11"
	Deflection	6'-4"	8'-7"	7'-11"		Deflection	4'-7"	6'-2"	5'-8"
25	Stress	5'-3"	5'-3"	5'-10"	60	Stress	3'-5"	3'-5"	3'-9"
	Deflection	5'-11"	8'-0"	7'-4"		Deflection	4'-5"	6'-0"	5'-6"
30	Stress	4'-9"	4'-9"	5'-4"	65	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-7"	7'-6"	6'-11"		Deflection	4'-4"	5'-10"	5'-4"
35	Stress	4'-5"	4'-5"	4'-11"	70	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-3"	7'-2"	6'-7"		Deflection	4'-2"	5'-8"	5'-2"
40	Stress	4'-2"	4'-2"	4'-8"	75	Stress	3'-0"	3'-0"	3'-5"
	Deflection	5'-1"	6'-10"	6'-3"		Deflection	4'-1"	5'-6"	5'-1"
45	Stress	3'-11"	3'-11"	4'-4"	80	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	4'-0"	5'-5"	5'-0"
50	Stress	3'-8"	3'-8"	4'-2"	85	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-11"	5'-4"	4'-10"

MX-4
Aluminum Perforated

0.040 in

Ix: 0.1317 in^4/ft
Sx: 0.1281 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-1"	5'-1"	5'-8"	55	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-10"	7'-10"	7'-2"		Deflection	4'-2"	5'-7"	5'-2"
25	Stress	4'-6"	4'-6"	5'-1"	60	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-5"	7'-3"	6'-8"		Deflection	4'-0"	5'-5"	5'-0"
30	Stress	4'-2"	4'-2"	4'-7"	65	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-1"	6'-10"	6'-3"		Deflection	3'-11"	5'-3"	4'-10"
35	Stress	3'-10"	3'-10"	4'-3"	70	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-10"	5'-2"	4'-9"
40	Stress	3'-7"	3'-7"	4'-0"	75	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-7"	6'-3"	5'-8"		Deflection	3'-9"	5'-0"	4'-8"
45	Stress	3'-4"	3'-4"	3'-9"	80	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-8"	4'-11"	4'-6"
50	Stress	3'-2"	3'-2"	3'-7"	85	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-3"	5'-9"	5'-4"		Deflection	3'-7"	4'-10"	4'-5"

See page 3 for standard notes

MX-4
Aluminum Perforated

0.040 in

Ix: 0.1086 in^4/ft
Sx: 0.1097 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-8"	4'-8"	5'-3"	55	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	3'-11"	5'-3"	4'-10"
25	Stress	4'-2"	4'-2"	4'-8"	60	Stress	2'-8"	2'-8"	3'-0"
	Deflection	5'-1"	6'-10"	6'-3"		Deflection	3'-9"	5'-1"	4'-8"
30	Stress	3'-10"	3'-10"	4'-3"	65	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-8"	4'-11"	4'-7"
35	Stress	3'-6"	3'-6"	3'-11"	70	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-7"	4'-10"	4'-5"
40	Stress	3'-4"	3'-4"	3'-8"	75	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-6"	4'-9"	4'-4"
45	Stress	3'-1"	3'-1"	3'-6"	80	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-5"	4'-7"	4'-3"
50	Stress	3'-0"	3'-0"	3'-4"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-4"	4'-6"	4'-2"

MX-4
Aluminum Perforated

0.040 in

Ix: 0.0984 in^4/ft
Sx: 0.1025 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-6"	4'-6"	5'-1"	55	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-9"	5'-1"	4'-8"
25	Stress	4'-1"	4'-1"	4'-6"	60	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	3'-8"	4'-11"	4'-6"
30	Stress	3'-8"	3'-8"	4'-2"	65	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-7"	4'-10"	4'-5"
35	Stress	3'-5"	3'-5"	3'-10"	70	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-6"	4'-8"	4'-4"
40	Stress	3'-2"	3'-2"	3'-7"	75	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-5"	4'-7"	4'-2"
45	Stress	3'-0"	3'-0"	3'-4"	80	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-4"	4'-6"	4'-1"
50	Stress	2'-10"	2'-10"	3'-2"	85	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-3"	4'-5"	4'-0"

See page 3 for standard notes

Load / Span Data

MX-4
Aluminum Perforated

0.040 in

Ix: 0.0772 in^4/ft
Sx: 0.0853 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{ú№Ŝăă	п⁴πнђ	п⁴πнђ	п⁴πтђ	рр	{ú№Ŝăă	н⁴πсђ	н⁴πсђ	н⁴πфђ
	5ŜŦfŜÔúλ2ў	п⁴ммлђ	с⁴πтђ	с⁴πлђ		5ŜŦfŜÔúλ2ў	о⁴πсђ	п⁴πуђ	п⁴ппђ
нр	{ú№Ŝăă	о⁴πуђ	о⁴πуђ	п⁴πнђ	сл	{ú№Ŝăă	н⁴πрђ	н⁴πрђ	н⁴πуђ
	5ŜŦfŜÔúλ2ў	п⁴πсђ	с⁴πмђ	р⁴πтђ		5ŜŦfŜÔúλ2ў	о⁴πпђ	п⁴πтђ	п⁴πнђ
ол	{ú№Ŝăă	о⁴πпђ	о⁴πпђ	о⁴πфђ	ср	{ú№Ŝăă	н⁴πођ	н⁴πођ	н⁴πтђ
	5ŜŦfŜÔúλ2ў	п⁴πођ	р⁴πфђ	р⁴πођ		5ŜŦfŜÔúλ2ў	о⁴πођ	п⁴πрђ	п⁴πмђ
ор	{ú№Ŝăă	о⁴πмђ	о⁴πмђ	о⁴πсђ	тл	{ú№Ŝăă	н⁴πнђ	н⁴πнђ	н⁴πсђ
	5ŜŦfŜÔúλ2ў	п⁴πлђ	р⁴πрђ	р⁴πлђ		5ŜŦfŜÔúλ2ў	о⁴πнђ	п⁴πпђ	п⁴πлђ
пл	{ú№Ŝăă	н⁴πммђ	н⁴πммђ	о⁴πођ	тр	{ú№Ŝăă	н⁴πнђ	н⁴πнђ	н⁴πрђ
	5ŜŦfŜÔúλ2ў	о⁴πмлђ	р⁴πнђ	п⁴πфђ		5ŜŦfŜÔúλ2ў	о⁴πмђ	п⁴πођ	о⁴πмлђ
пр	{ú№Ŝăă	н⁴πфђ	н⁴πфђ	о⁴πмђ	ул	{ú№Ŝăă	н⁴πмђ	н⁴πмђ	н⁴ппђ
	5ŜŦfŜÔúλ2ў	о⁴πуђ	р⁴πлђ	п⁴πтђ		5ŜŦfŜÔúλ2ў	о⁴πмђ	п⁴πнђ	о⁴πфђ
рл	{ú№Ŝăă	н⁴πтђ	н⁴πтђ	н⁴πммђ	ур	{ú№Ŝăă	н⁴πлђ	н⁴πлђ	н⁴πођ
	5ŜŦfŜÔúλ2ў	о⁴πтђ	п⁴πмлђ	п⁴πрђ		5ŜŦfŜÔúλ2ў	о⁴πлђ	п⁴πмђ	о⁴πфђ

MX-4
Aluminum Perforated

0.040 in

Ix: 0.051 in^4/ft
Sx: 0.0641 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-7"	3'-7"	4'-0"	55	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-0"	4'-1"	3'-9"
25	Stress	3'-2"	3'-2"	3'-7"	60	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-11"	5'-4"	4'-10"		Deflection	2'-11"	3'-11"	3'-8"
30	Stress	2'-11"	2'-11"	3'-3"	65	Stress	1'-12"	1'-12"	2'-3"
	Deflection	3'-8"	5'-0"	4'-7"		Deflection	2'-10"	3'-10"	3'-6"
35	Stress	2'-8"	2'-8"	3'-0"	70	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-6"	4'-9"	4'-4"		Deflection	2'-9"	3'-9"	3'-5"
40	Stress	2'-6"	2'-6"	2'-10"	75	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-4"	4'-6"	4'-2"		Deflection	2'-9"	3'-8"	3'-5"
45	Stress	2'-5"	2'-5"	2'-8"	80	Stress	1'-9"	1'-9"	2'-0"
	Deflection	3'-3"	4'-4"	4'-0"		Deflection	2'-8"	3'-7"	3'-4"
50	Stress	2'-3"	2'-3"	2'-6"	85	Stress	1'-9"	1'-9"	1'-11"
	Deflection	3'-1"	4'-2"	3'-10"		Deflection	2'-7"	3'-6"	3'-3"

See page 3 for standard notes

MX-4
Aluminum Perforated

0.050 in

Ix: 0.217 in^4/ft
Sx: 0.2128 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	c⁴πcђ c⁴πмлђ	c⁴πcђ ф⁴πoђ	т⁴πпђ у⁴πcђ	рр	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	o⁴πммђ п⁴πммђ	o⁴πммђ c⁴πтђ	п⁴πрђ c⁴πмђ
нр	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	р⁴πмлђ c⁴πпђ	р⁴πмлђ у⁴πтђ	c⁴πcђ т⁴πммђ	сл	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	o⁴πфђ п⁴πфђ	o⁴πфђ c⁴πрђ	п⁴πoђ р⁴πммђ
ол	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	р⁴πпђ c⁴πлђ	р⁴πпђ у⁴πмђ	р⁴πммђ т⁴πрђ	ср	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	o⁴πтђ п⁴πтђ	o⁴πтђ c⁴πoђ	п⁴πмђ р⁴πфђ
ор	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	п⁴πммђ р⁴πуђ	п⁴πммђ т⁴πуђ	р⁴πcђ т⁴πмђ	тл	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	o⁴πcђ п⁴πcђ	o⁴πcђ c⁴πмђ	o⁴πммђ р⁴πтђ
пл	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	п⁴πтђ р⁴πрђ	п⁴πтђ т⁴πпђ	р⁴πнђ c⁴πфђ	тр	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	o⁴πпђ п⁴πрђ	o⁴πпђ р⁴πммђ	o⁴πфђ р⁴πcђ
пр	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	п⁴πпђ р⁴πoђ	п⁴πпђ т⁴πмђ	п⁴πмлђ c⁴πcђ	ул	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	o⁴πoђ п⁴πпђ	o⁴πoђ р⁴πмлђ	o⁴πуђ р⁴πпђ
рл	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	п⁴πнђ р⁴πмђ	п⁴πнђ c⁴πмлђ	п⁴πтђ c⁴πoђ	ур	{ú№Ŝăă 5ŜŦfŜÔúλ2ÿ	o⁴πнђ п⁴πoђ	o⁴πнђ р⁴πфђ	o⁴πcђ р⁴πoђ

MX-4
Aluminum Perforated

0.050 in

Ix: 0.164 in^4/ft
Sx: 0.1588 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-8"	5'-8"	6'-4"	55	Stress	3'-5"	3'-5"	3'-10"
	Deflection	6'-3"	8'-5"	7'-9"		Deflection	4'-5"	6'-0"	5'-6"
25	Stress	5'-0"	5'-0"	5'-8"	60	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-10"	7'-10"	7'-2"		Deflection	4'-4"	5'-10"	5'-4"
30	Stress	4'-7"	4'-7"	5'-2"	65	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-3"	5'-8"	5'-3"
35	Stress	4'-3"	4'-3"	4'-9"	70	Stress	3'-0"	3'-0"	3'-4"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-1"	5'-7"	5'-1"
40	Stress	4'-0"	4'-0"	4'-5"	75	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	4'-0"	5'-5"	5'-0"
45	Stress	3'-9"	3'-9"	4'-2"	80	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-11"	5'-4"	4'-10"
50	Stress	3'-7"	3'-7"	4'-0"	85	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

See page 3 for standard notes

Load / Span Data

MX-4
Aluminum Perforated

0.050 in

Ix: 0.1353 in^4/ft
Sx: 0.136 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	р╕пов р╕пмлЬ	р╕пов т╕пммЬ	р╕пмлЬ т╕пов	рр	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	о╕пнЬ п╕пнЬ	о╕пнЬ р╕пуЬ	о╕псЬ р╕пнЬ
нр	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	п╕пуЬ р╕прЬ	п╕пуЬ т╕ппЬ	р╕поЬ с╕пфЬ	сл	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	о╕плЬ п╕пмЬ	о╕плЬ р╕псЬ	о╕ппЬ р╕плЬ
ол	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	п╕поЬ р╕пмЬ	п╕поЬ с╕пммЬ	п╕пфЬ с╕ппЬ	ср	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	н╕пммЬ о╕пммЬ	н╕пммЬ р╕ппЬ	о╕поЬ п╕пммЬ
ор	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	о╕пммЬ п╕пмлЬ	о╕пммЬ с╕птЬ	п╕прЬ с╕плЬ	тл	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	н╕пфЬ о╕пмлЬ	н╕пфЬ р╕пнЬ	о╕пмЬ п╕пфЬ
пл	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	о╕пуЬ п╕пуЬ	о╕пуЬ с╕поЬ	п╕пмЬ р╕пфЬ	тр	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	н╕пуЬ о╕пфЬ	н╕пуЬ р╕пмЬ	о╕плЬ п╕пуЬ
пр	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	о╕псЬ п╕псЬ	о╕псЬ с╕плЬ	о╕пммЬ р╕псЬ	ул	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	н╕птЬ о╕пуЬ	н╕птЬ р╕плЬ	н╕пммЬ п╕птЬ
рл	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	о╕ппЬ п╕ппЬ	о╕ппЬ р╕пмлЬ	о╕пуЬ р╕ппЬ	ур	{ú№Ŝăă 5ŜŦfŜŎúλ2ў	н╕псЬ о╕птЬ	н╕псЬ п╕пммЬ	н╕пмлЬ п╕псЬ

MX-4
Aluminum Perforated

0.050 in

Ix: 0.1225 in^4/ft
Sx: 0.127 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-0"	5'-0"	5'-8"	55	Stress	3'-0"	3'-0"	3'-5"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-0"	5'-5"	5'-0"
25	Stress	4'-6"	4'-6"	5'-0"	60	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-11"	5'-4"	4'-10"
30	Stress	4'-1"	4'-1"	4'-7"	65	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	3'-10"	5'-2"	4'-9"
35	Stress	3'-10"	3'-10"	4'-3"	70	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-9"	5'-0"	4'-7"
40	Stress	3'-7"	3'-7"	4'-0"	75	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	4'-11"	4'-6"
45	Stress	3'-4"	3'-4"	3'-9"	80	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-5"
50	Stress	3'-2"	3'-2"	3'-7"	85	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-6"	4'-9"	4'-4"

See page 3 for standard notes

MX-4
Aluminum Perforated

0.050 in

Ix: 0.0961 in^4/ft
Sx: 0.1057 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-7"	4'-7"	5'-2"	55	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-9"	5'-0"	4'-7"
25	Stress	4'-1"	4'-1"	4'-7"	60	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	3'-7"	4'-11"	4'-6"
30	Stress	3'-9"	3'-9"	4'-2"	65	Stress	2'-7"	2'-7"	2'-10"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-6"	4'-9"	4'-4"
35	Stress	3'-6"	3'-6"	3'-11"	70	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-5"	4'-8"	4'-3"
40	Stress	3'-3"	3'-3"	3'-8"	75	Stress	2'-4"	2'-4"	2'-8"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-4"	4'-6"	4'-2"
45	Stress	3'-1"	3'-1"	3'-5"	80	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	3'-3"	4'-5"	4'-1"
50	Stress	2'-11"	2'-11"	3'-3"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-3"	4'-4"	4'-0"

MX-4
Aluminum Perforated

0.050 in

Ix: 0.0636 in^4/ft
Sx: 0.0794 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-0"	4'-0"	4'-5"	55	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-3"	4'-5"	4'-0"
25	Stress	3'-7"	3'-7"	4'-0"	60	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-2"	4'-3"	3'-11"
30	Stress	3'-3"	3'-3"	3'-8"	65	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-1"	4'-2"	3'-10"
35	Stress	3'-0"	3'-0"	3'-4"	70	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-0"	4'-1"	3'-9"
40	Stress	2'-10"	2'-10"	3'-2"	75	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-7"	4'-10"	4'-6"		Deflection	2'-11"	3'-11"	3'-8"
45	Stress	2'-8"	2'-8"	3'-0"	80	Stress	1'-12"	1'-12"	2'-3"
	Deflection	3'-6"	4'-8"	4'-4"		Deflection	2'-10"	3'-10"	3'-7"
50	Stress	2'-6"	2'-6"	2'-10"	85	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-4"	4'-6"	4'-2"		Deflection	2'-10"	3'-9"	3'-6"

See page 3 for standard notes

Load / Span Data

MX-6
Aluminum Perforated

0.040 in

Ix: 0.1471 in^4/ft
Sx: 0.1225 in^3/ft
Perforation: 10%

[2I·Ř LJăŤ		{ΛyƎfŜ {LJI·y˙ óŤűú	52ʤzōfŜ {LJI·y˙ óŤűú	¢ⓂⒶLJfŜ {LJI·y˙ óŤűú	[2I·Ř LJăŤ		{ΛyƎfŜ {LJI·y˙ óŤűú	52ʤzōfŜ {LJI·y˙ óŤűú	¢ⓂⒶLJfŜ {LJI·y˙ óŤűú
нл	{úŃŜää	п⁴ппммђ	п⁴ппммђ	р⁴псђ	рр	{úŃŜää	о⁴пллђ	о⁴пллђ	о⁴ппђ
	5ŜŤfŜÔúл2y˙	с⁴пллђ	у⁴ппмђ	т⁴псђ		5ŜŤfŜÔúл2y˙	п⁴пппђ	р⁴ппмлђ	р⁴ппђ
нр	{úŃŜää	п⁴ппрђ	п⁴ппрђ	п⁴ппммђ	сл	{úŃŜää	н⁴ппмлђ	н⁴ппмлђ	о⁴ппнђ
	5ŜŤfŜÔúл2y˙	р⁴пттђ	т⁴псђ	с⁴ппммђ		5ŜŤfŜÔúл2y˙	п⁴ппнђ	р⁴пуђ	р⁴ппнђ
ол	{úŃŜää	п⁴пллђ	п⁴пллђ	п⁴псђ	ср	{úŃŜää	н⁴пфђ	н⁴пфђ	о⁴ппмђ
	5ŜŤfŜÔúл2y˙	р⁴пођ	т⁴ппмђ	с⁴псђ		5ŜŤfŜÔúл2y˙	п⁴ппмђ	р⁴псђ	р⁴пллђ
ор	{úŃŜää	о⁴пфђ	о⁴пфђ	п⁴ппнђ	тл	{úŃŜää	н⁴ппуђ	н⁴ппуђ	н⁴пммђ
	5ŜŤfŜÔúл2y˙	р⁴пллђ	с⁴пфђ	с⁴ппнђ		5ŜŤfŜÔúл2y˙	п⁴пллђ	р⁴пппђ	п⁴пммђ
пл	{úŃŜää	о⁴псђ	о⁴псђ	о⁴ппммђ	тр	{úŃŜää	н⁴пптђ	н⁴пптђ	н⁴ппмлђ
	5ŜŤfŜÔúл2y˙	п⁴пфђ	с⁴ппрђ	р⁴ппммђ		5ŜŤfŜÔúл2y˙	о⁴ппмлђ	р⁴пођ	п⁴ппмлђ
пр	{úŃŜää	о⁴пппђ	о⁴пппђ	о⁴ппуђ	ул	{úŃŜää	н⁴ппсђ	н⁴ппсђ	н⁴пфђ
	5ŜŤfŜÔúл2y˙	п⁴пттђ	с⁴ппнђ	р⁴ппуђ		5ŜŤfŜÔúл2y˙	о⁴пфђ	р⁴ппмђ	п⁴пуђ
рл	{úŃŜää	о⁴ппнђ	о⁴ппнђ	о⁴ппсђ	ур	{úŃŜää	н⁴ппрђ	н⁴ппрђ	н⁴пуђ
	5ŜŤfŜÔúл2y˙	п⁴ппрђ	с⁴пллђ	р⁴ппсђ		5ŜŤfŜÔúл2y˙	о⁴пфђ	р⁴пллђ	п⁴пттђ

MX-6
Aluminum Perforated

0.040 in

Ix: 0.1111 in^4/ft
Sx: 0.0943 in^3/ft
Perforation: 23%

[2I·Ř LJăŤ		{ΛyƎfŜ {LJI·y˙ óŤűú	52ʤzōfŜ {LJI·y˙ óŤűú	¢ⓂⒶLJfŜ {LJI·y˙ óŤűú	[2I·Ř LJăŤ		{ΛyƎfŜ {LJI·y˙ óŤűú	52ʤzōfŜ {LJI·y˙ óŤűú	¢ⓂⒶLJfŜ {LJI·y˙ óŤűú
нл	{úŃŜää	п⁴ппђ	п⁴ппђ	п⁴ппмлђ	рр	{úŃŜää	н⁴пптђ	н⁴пптђ	н⁴пммђ
	5ŜŤfŜÔúл2y˙	р⁴псђ	т⁴ппрђ	с⁴ппмлђ		5ŜŤfŜÔúл2y˙	о⁴пммђ	р⁴пођ	п⁴ппмлђ
нр	{úŃŜää	о⁴пммђ	о⁴пммђ	п⁴ппђ	сл	{úŃŜää	н⁴псђ	н⁴псђ	н⁴ппмлђ
	5ŜŤfŜÔúл2y˙	р⁴пмђ	с⁴ппмлђ	с⁴ппђ		5ŜŤfŜÔúл2y˙	о⁴ппмлђ	р⁴пнђ	п⁴пфђ
ол	{úŃŜää	о⁴пттђ	о⁴пттђ	п⁴пллђ	ср	{úŃŜää	н⁴ппрђ	н⁴ппрђ	н⁴пуђ
	5ŜŤfŜÔúл2y˙	п⁴пфђ	с⁴псђ	р⁴ппммђ		5ŜŤfŜÔúл2y˙	о⁴ппуђ	р⁴пллђ	п⁴пттђ
ор	{úŃŜää	о⁴пођ	о⁴пођ	о⁴ппуђ	тл	{úŃŜää	н⁴пппђ	н⁴пппђ	н⁴пттђ
	5ŜŤfŜÔúл2y˙	п⁴пттђ	с⁴ппнђ	р⁴ппуђ		5ŜŤfŜÔúл2y˙	о⁴пттђ	п⁴ппмлђ	п⁴псђ
пл	{úŃŜää	о⁴ппмђ	о⁴ппмђ	о⁴ппрђ	тр	{úŃŜää	н⁴ппођ	н⁴ппођ	н⁴псђ
	5ŜŤfŜÔúл2y˙	п⁴пппђ	р⁴ппмлђ	р⁴ппрђ		5ŜŤfŜÔúл2y˙	о⁴псђ	п⁴ппфђ	п⁴пппђ
пр	{úŃŜää	н⁴ппммђ	н⁴ппммђ	о⁴ппођ	ул	{úŃŜää	н⁴ппнђ	н⁴ппнђ	н⁴ппрђ
	5ŜŤfŜÔúл2y˙	п⁴ппнђ	р⁴ппуђ	р⁴ппнђ		5ŜŤfŜÔúл2y˙	о⁴ппрђ	п⁴ппуђ	п⁴ппођ
рл	{úŃŜää	н⁴ппфђ	н⁴ппфђ	о⁴ппмђ	ур	{úŃŜää	н⁴ппмђ	н⁴ппмђ	н⁴пппђ
	5ŜŤfŜÔúл2y˙	п⁴пплђ	р⁴ппрђ	р⁴пплђ		5ŜŤfŜÔúл2y˙	о⁴ппрђ	п⁴ппттђ	п⁴ппнђ

See page 3 for standard notes

MX-6
Aluminum Perforated

0.040 in

Ix: 0.0916 in^4/ft
Sx: 0.0807 in^3/ft
Perforation: 30%

[2l·Ř Ll̆ãť		{ʌyƎtŜ {LJl·y˙ ó₮ű̀ú	52ʤzōfŜ {LJl·y˙ ó₮ű̀ú	¢ⅯⅬJfŜ {LJl·y˙ ó₮ű̀ú	[2l·Ř Ll̆ãť		{ʌyƎtŜ {LJl·y˙ ó₮ű̀ú	52ʤzōfŜ {LJl·y˙ ó₮ű̀ú	¢ⅯⅬJfŜ {LJl·y˙ ó₮ű̀ú
нл	{úⅣŜăă	пчплђ	пчплђ	пчсђ	рр	{úⅣŜăă	нчпрђ	нчпрђ	нчпфђ
	5Ŝ₮fŜÖúл2y˙	рчпнђ	счммђ	счппђ		5Ŝ₮fŜÖúл2y˙	очпуђ	пчпммђ	пчптђ
нр	{úⅣŜăă	очптђ	очптђ	пчплђ	сл	{úⅣŜăă	нчппђ	нчппђ	нчптђ
	5Ŝ₮fŜÖúл2y˙	пчпфђ	счпрђ	рчпммђ		5Ŝ₮fŜÖúл2y˙	очптђ	пчпмлђ	пчпрђ
ол	{úⅣŜăă	очпођ	очпођ	очпуђ	ср	{úⅣŜăă	нчпођ	нчпођ	нчпсђ
	5Ŝ₮fŜÖúл2y˙	пчпсђ	счпмђ	рчптђ		5Ŝ₮fŜÖúл2y˙	очпсђ	пчпуђ	пчппђ
ор	{úⅣŜăă	очплђ	очплђ	очпрђ	тл	{úⅣŜăă	нчпнђ	нчпнђ	нчпрђ
	5Ŝ₮fŜÖúл2y˙	пчпођ	рчпфђ	рчпођ		5Ŝ₮fŜÖúл2y˙	очпрђ	пчптђ	пчпнђ
пл	{úⅣŜăă	нчпмлђ	нчпмлђ	очпнђ	тр	{úⅣŜăă	нчпмђ	нчпмђ	нчппђ
	5Ŝ₮fŜÖúл2y˙	пчпмђ	рчпсђ	рчпмђ		5Ŝ₮fŜÖúл2y˙	очппђ	пчпсђ	пчпмђ
пр	{úⅣŜăă	нчпуђ	нчпуђ	очплђ	ул	{úⅣŜăă	нчплђ	нчплђ	нчпођ
	5Ŝ₮fŜÖúл2y˙	очпммђ	рчппђ	пчпмлђ		5Ŝ₮fŜÖúл2y˙	очпођ	пчппђ	пчплђ
рл	{úⅣŜăă	нчпсђ	нчпсђ	нчпмлђ	ур	{úⅣŜăă	мчпммђ	мчпммђ	нчпнђ
	5Ŝ₮fŜÖúл2y˙	очпфђ	рчпмђ	пчпуђ		5Ŝ₮fŜÖúл2y˙	очпнђ	пчпођ	очпммђ

MX-6
Aluminum Perforated

0.040 in

Ix: 0.0839 in^4/ft
Sx: 0.0754 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-11"	3'-11"	4'-4"	55	Stress	2'-4"	2'-4"	2'-7"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-7"	4'-10"	4'-5"
25	Stress	3'-6"	3'-6"	3'-11"	60	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-6"	4'-8"	4'-3"
30	Stress	3'-2"	3'-2"	3'-7"	65	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-4"	4'-7"	4'-2"
35	Stress	2'-11"	2'-11"	3'-3"	70	Stress	2'-1"	2'-1"	2'-4"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-3"	4'-5"	4'-1"
40	Stress	2'-9"	2'-9"	3'-1"	75	Stress	2'-0"	2'-0"	2'-3"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-3"	4'-4"	4'-0"
45	Stress	2'-7"	2'-7"	2'-11"	80	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-2"	4'-3"	3'-11"
50	Stress	2'-5"	2'-5"	2'-9"	85	Stress	1'-11"	1'-11"	2'-1"
	Deflection	3'-8"	5'-0"	4'-7"		Deflection	3'-1"	4'-2"	3'-10"

See page 3 for standard notes

Load / Span Data

MX-6
Aluminum Perforated

0.040 in

Ix: 0.0651 in^4/ft
Sx: 0.0628 in^3/ft
Perforation: 40%

[2l·Ř LJăŕ		{ńyƎfŜ {LJl·y´ ó₹ű́ú	52dżōfŜ {LJl·y´ ó₹ű́ú	₡ⓃⓁLJfŜ {LJl·y´ ó₹ű́ú	[2l·Ř LJăŕ		{ńyƎfŜ {LJl·y´ ó₹ű́ú	52dżōfŜ {LJl·y´ ó₹ű́ú	₡ⓃⓁLJfŜ {LJl·y´ ó₹ű́ú
нл	{ú№Ŝăă	о⁴πтђ	о⁴πтђ	п⁴πлђ	рр	{ú№Ŝăă	н⁴πнђ	н⁴πнђ	н⁴πрђ
	5ŜŕfŜÔúλ2y´	п⁴πтђ	с⁴πнђ	р⁴πуђ		5ŜŕfŜÔúλ2y´	о⁴πођ	п⁴πрђ	п⁴πмђ
нр	{ú№Ŝăă	о⁴πнђ	о⁴πнђ	о⁴πтђ	сл	{ú№Ŝăă	н⁴πмђ	н⁴πмђ	н⁴πођ
	5ŜŕfŜÔúλ2y´	п⁴πођ	р⁴πфђ	р⁴πођ		5ŜŕfŜÔúλ2y´	о⁴πнђ	п⁴πпђ	о⁴πммђ
ол	{ú№Ŝăă	н⁴πммђ	н⁴πммђ	о⁴πођ	ср	{ú№Ŝăă	м⁴πмнђ	м⁴πмнђ	н⁴πнђ
	5ŜŕfŜÔúλ2y´	п⁴πлђ	р⁴πрђ	р⁴πлђ		5ŜŕfŜÔúλ2y´	о⁴πмђ	п⁴πнђ	о⁴πмлђ
ор	{ú№Ŝăă	н⁴πуђ	н⁴πуђ	о⁴πлђ	тл	{ú№Ŝăă	м⁴πммђ	м⁴πммђ	н⁴πмђ
	5ŜŕfŜÔúλ2y´	о⁴πмлђ	р⁴πнђ	п⁴πфђ		5ŜŕfŜÔúλ2y´	о⁴πлђ	п⁴πмђ	о⁴πфђ
пл	{ú№Ŝăă	н⁴πсђ	н⁴πсђ	н⁴πмлђ	тр	{ú№Ŝăă	м⁴πмлђ	м⁴πмлђ	н⁴πмђ
	5ŜŕfŜÔúλ2y´	о⁴πуђ	п⁴πммђ	п⁴πсђ		5ŜŕfŜÔúλ2y´	н⁴πммђ	п⁴πлђ	о⁴πуђ
пр	{ú№Ŝăă	н⁴πпђ	н⁴πпђ	н⁴πуђ	ул	{ú№Ŝăă	м⁴πфђ	м⁴πфђ	н⁴πлђ
	5ŜŕfŜÔúλ2y´	о⁴πсђ	п⁴πфђ	п⁴πпђ		5ŜŕfŜÔúλ2y´	н⁴πммђ	о⁴πммђ	о⁴πтђ
рл	{ú№Ŝăă	н⁴πођ	н⁴πођ	н⁴πсђ	ур	{ú№Ŝăă	м⁴πфђ	м⁴πфђ	м⁴πммђ
	5ŜŕfŜÔúλ2y´	о⁴πрђ	п⁴πтђ	п⁴πнђ		5ŜŕfŜÔúλ2y´	н⁴πмлђ	о⁴πмлђ	о⁴πсђ

MX-6
Aluminum Perforated

0.040 in

Ix: 0.0431 in^4/ft
Sx: 0.0471 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-1"	3'-1"	3'-5"	55	Stress	1'-10"	1'-10"	2'-1"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	2'-10"	3'-10"	3'-6"
25	Stress	2'-9"	2'-9"	3'-1"	60	Stress	1'-9"	1'-9"	2'-0"
	Deflection	3'-9"	5'-0"	4'-7"		Deflection	2'-9"	3'-9"	3'-5"
30	Stress	2'-6"	2'-6"	2'-10"	65	Stress	1'-8"	1'-8"	1'-11"
	Deflection	3'-6"	4'-9"	4'-4"		Deflection	2'-8"	3'-8"	3'-4"
35	Stress	2'-4"	2'-4"	2'-7"	70	Stress	1'-8"	1'-8"	1'-10"
	Deflection	3'-4"	4'-6"	4'-1"		Deflection	2'-8"	3'-7"	3'-3"
40	Stress	2'-2"	2'-2"	2'-5"	75	Stress	1'-7"	1'-7"	1'-9"
	Deflection	3'-2"	4'-3"	3'-11"		Deflection	2'-7"	3'-6"	3'-2"
45	Stress	2'-1"	2'-1"	2'-3"	80	Stress	1'-6"	1'-6"	1'-9"
	Deflection	3'-1"	4'-1"	3'-9"		Deflection	2'-6"	3'-5"	3'-1"
50	Stress	1'-11"	1'-11"	2'-2"	85	Stress	1'-6"	1'-6"	1'-8"
	Deflection	2'-11"	4'-0"	3'-8"		Deflection	2'-6"	3'-4"	3'-1"

See page 3 for standard notes

MX-6
Aluminum Perforated

0.050 in

Ix: 0.1828 in^4/ft
Sx: 0.1562 in^3/ft
Perforation: 10%

[2l·Ř LJǎť		{ĺyƎťŝ {LJl·y´ ó₹Ű́ú	52ʤōfŝ {LJl·y´ ó₹Ű́ú	¢ⅯⅯLJfŝ {LJl·y´ ó₹Ű́ú	[2l·Ř LJǎť		{ĺyƎťŝ {LJl·y´ ó₹Ű́ú	52ʤōfŝ {LJl·y´ ó₹Ű́ú	¢ⅯⅯLJfŝ {LJl·y´ ó₹Ű́ú
нл	{úⅯŝǎă	pᵠπтђ	pᵠπтђ	cᵠπoђ	pp	{úⅯŝǎă	oᵠπnђ	oᵠπnђ	oᵠπфђ
	5ŝ₹fŝŏűĺ2y´	cᵠπcђ	yᵠπфђ	yᵠπлђ		5ŝ₹fŝŏűĺ2y´	nᵠπтђ	cᵠπoђ	pᵠπфђ
нр	{úⅯŝǎă	pᵠπлђ	pᵠπлђ	pᵠπтђ	сл	{úⅯŝǎă	oᵠπoђ	oᵠπoђ	oᵠπтђ
	5ŝ₹fŝŏűĺ2y´	cᵠπлђ	yᵠπмђ	тᵠπpђ		5ŝ₹fŝŏűĺ2y´	nᵠπcђ	cᵠπмђ	pᵠπтђ
ол	{úⅯŝǎă	nᵠπтђ	nᵠπтђ	pᵠπмђ	ср	{úⅯŝǎă	oᵠπмђ	oᵠπмђ	oᵠπcђ
	5ŝ₹fŝŏűĺ2y´	pᵠπyђ	тᵠπyђ	тᵠπлђ		5ŝ₹fŝŏűĺ2y´	nᵠπnђ	pᵠπммђ	pᵠπpђ
ор	{úⅯŝǎă	nᵠπoђ	nᵠπoђ	nᵠπфђ	тл	{úⅯŝǎă	oᵠπлђ	oᵠπлђ	oᵠπnђ
	5ŝ₹fŝŏűĺ2y´	pᵠπnђ	тᵠπoђ	cᵠπyђ		5ŝ₹fŝŏűĺ2y´	nᵠπoђ	pᵠπфђ	pᵠπoђ
пл	{úⅯŝǎă	oᵠπммђ	oᵠπммђ	nᵠπpђ	тр	{úⅯŝǎă	нᵠπммђ	нᵠπммђ	oᵠπoђ
	5ŝ₹fŝŏűĺ2y´	pᵠπнђ	cᵠπммђ	cᵠπnђ		5ŝ₹fŝŏűĺ2y´	nᵠπнђ	pᵠπтђ	pᵠπнђ
пр	{úⅯŝǎă	oᵠπфђ	oᵠπфђ	nᵠπнђ	ул	{úⅯŝǎă	нᵠπмлђ	нᵠπмлђ	oᵠπмђ
	5ŝ₹fŝŏűĺ2y´	nᵠπммђ	cᵠπyђ	cᵠπмђ		5ŝ₹fŝŏűĺ2y´	nᵠπмђ	pᵠπcђ	pᵠπмђ
рл	{úⅯŝǎă	oᵠπcђ	oᵠπcђ	oᵠπммђ	ур	{úⅯŝǎă	нᵠπфђ	нᵠπфђ	oᵠπлђ
	5ŝ₹fŝŏűĺ2y´	nᵠπфђ	cᵠπpђ	pᵠπммђ		5ŝ₹fŝŏűĺ2y´	nᵠπлђ	pᵠπpђ	nᵠπммђ

MX-6
Aluminum Perforated

0.050 in

Ix: 0.1382 in^4/ft
Sx: 0.1166 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-10"	4'-10"	5'-5"	55	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-11"	7'-11"	7'-4"		Deflection	4'-2"	5'-8"	5'-3"
25	Stress	4'-4"	4'-4"	4'-10"	60	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-6"	7'-5"	6'-9"		Deflection	4'-1"	5'-6"	5'-1"
30	Stress	3'-11"	3'-11"	4'-5"	65	Stress	2'-8"	2'-8"	3'-0"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	4'-0"	5'-4"	4'-11"
35	Stress	3'-8"	3'-8"	4'-1"	70	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	3'-11"	5'-3"	4'-10"
40	Stress	3'-5"	3'-5"	3'-10"	75	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-10"	5'-1"	4'-8"
45	Stress	3'-3"	3'-3"	3'-7"	80	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-9"	5'-0"	4'-7"
50	Stress	3'-1"	3'-1"	3'-5"	85	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-4"	5'-10"	5'-5"		Deflection	3'-8"	4'-11"	4'-6"

See page 3 for standard notes

Load / Span Data

MX-6
Aluminum Perforated

0.050 in

Ix: 0.1139 in^4/ft
Sx: 0.0998 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-6"	4'-6"	5'-0"	55	Stress	2'-8"	2'-8"	3'-0"
	Deflection	5'-6"	7'-6"	6'-10"		Deflection	3'-11"	5'-4"	4'-11"
25	Stress	4'-0"	4'-0"	4'-6"	60	Stress	2'-7"	2'-7"	2'-11"
	Deflection	5'-2"	6'-11"	6'-4"		Deflection	3'-10"	5'-2"	4'-9"
30	Stress	3'-8"	3'-8"	4'-1"	65	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-9"	5'-0"	4'-8"
35	Stress	3'-5"	3'-5"	3'-9"	70	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-8"	4'-11"	4'-6"
40	Stress	3'-2"	3'-2"	3'-6"	75	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-7"	4'-10"	4'-5"
45	Stress	3'-0"	3'-0"	3'-4"	80	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-6"	4'-8"	4'-4"
50	Stress	2'-10"	2'-10"	3'-2"	85	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-5"	4'-7"	4'-3"

MX-6
Aluminum Perforated

0.050 in

Ix: 0.1032 in^4/ft
Sx: 0.0932 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-4"	4'-4"	4'-10"	55	Stress	2'-7"	2'-7"	2'-11"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	3'-10"	5'-2"	4'-9"
25	Stress	3'-10"	3'-10"	4'-4"	60	Stress	2'-6"	2'-6"	2'-9"
	Deflection	5'-0"	6'-8"	6'-2"		Deflection	3'-8"	5'-0"	4'-7"
30	Stress	3'-6"	3'-6"	3'-11"	65	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-7"	4'-10"	4'-6"
35	Stress	3'-3"	3'-3"	3'-8"	70	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-6"	4'-9"	4'-4"
40	Stress	3'-1"	3'-1"	3'-5"	75	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-5"	4'-8"	4'-3"
45	Stress	2'-11"	2'-11"	3'-3"	80	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-4"	4'-7"	4'-2"
50	Stress	2'-9"	2'-9"	3'-1"	85	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-11"	5'-4"	4'-11"		Deflection	3'-4"	4'-5"	4'-1"

See page 3 for standard notes

MX-6
Aluminum Perforated

0.050 in

Ix: 0.081 in^4/ft
Sx: 0.0776 in^3/ft
Perforation: 40%

[2l·Ř Ll̈ãŧ		{ĺyƎfŜ {Ll̈l·y˙ ó₹ű̈ú	52ʤzōfŜ {Ll̈l·y˙ ó₹ű̈ú	¢₥₭Ll̈fŜ {Ll̈l·y˙ ó₹ű̈ú	[2l·Ř Ll̈ãŧ		{ĺyƎfŜ {Ll̈l·y˙ ó₹ű̈ú	52ʤzōfŜ {Ll̈l·y˙ ó₹ű̈ú	¢₥₭Ll̈fŜ {Ll̈l·y˙ ó₹ű̈ú
нл	{ú₥ŜăăŽ	o⁴πммђ	o⁴πммђ	nᵠπpђ	pp	{ú₥ŜăăŽ	н⁴πpђ	н⁴πpђ	н⁴πуђ
	5ŜŧfŜŐúı2y˙	nᵠπммђ	cᵠπуђ	cᵠπмђ		5ŜŧfŜŐúı2y˙	oᵠπcђ	nᵠπфђ	nᵠπnђ
нр	{ú₥ŜăăŽ	o⁴πcђ	o⁴πcђ	oᵠπммђ	сл	{ú₥ŜăăŽ	н⁴πoђ	н⁴πoђ	н⁴πтђ
	5ŜŧfŜŐúı2y˙	nᵠπтђ	cᵠπнђ	pᵠπуђ		5ŜŧfŜŐúı2y˙	oᵠπpђ	nᵠπтђ	nᵠπoђ
ол	{ú₥ŜăăŽ	o⁴πoђ	o⁴πoђ	oᵠπтђ	ср	{ú₥ŜăăŽ	н⁴πнђ	н⁴πнђ	н⁴πpђ
	5ŜŧfŜŐúı2y˙	nᵠπnђ	pᵠπмлђ	pᵠπnђ		5ŜŧfŜŐúı2y˙	oᵠπnђ	nᵠπcђ	nᵠπнђ
ор	{ú₥ŜăăŽ	o⁴πлђ	o⁴πлђ	oᵠπnђ	тл	{ú₥ŜăăŽ	н⁴πмђ	н⁴πмђ	н⁴πnђ
	5ŜŧfŜŐúı2y˙	nᵠπмђ	pᵠπcђ	pᵠπмђ		5ŜŧfŜŐúı2y˙	oᵠπoђ	nᵠπpђ	nᵠπлђ
пл	{ú₥ŜăăŽ	н⁴πфђ	н⁴πфђ	oᵠπмђ	тр	{ú₥ŜăăŽ	н⁴πлђ	н⁴πлђ	н⁴πoђ
	5ŜŧfŜŐúı2y˙	oᵠπммђ	pᵠπoђ	nᵠπмлђ		5ŜŧfŜŐúı2y˙	oᵠπнђ	nᵠπoђ	oᵠπммђ
пр	{ú₥ŜăăŽ	н⁴πуђ	н⁴πуђ	н⁴πммђ	ул	{ú₥ŜăăŽ	н⁴πлђ	н⁴πлђ	н⁴πнђ
	5ŜŧfŜŐúı2y˙	oᵠπфђ	pᵠπмђ	nᵠπуђ		5ŜŧfŜŐúı2y˙	oᵠπмђ	nᵠπнђ	oᵠπмлђ
рл	{ú₥ŜăăŽ	н⁴πcђ	н⁴πcђ	н⁴πфђ	ур	{ú₥ŜăăŽ	м⁴πммђ	м⁴πммђ	н⁴πнђ
	5ŜŧfŜŐúı2y˙	oᵠπуђ	nᵠπммђ	nᵠπcђ		5ŜŧfŜŐúı2y˙	oᵠπмђ	nᵠπмђ	oᵠπфђ

MX-6
Aluminum Perforated

0.050 in

Ix: 0.0535 in^4/ft
Sx: 0.0583 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-5"	3'-5"	3'-10"	55	Stress	2'-1"	2'-1"	2'-4"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-1"	4'-2"	3'-10"
25	Stress	3'-1"	3'-1"	3'-5"	60	Stress	2'-0"	2'-0"	2'-2"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	3'-0"	4'-0"	3'-8"
30	Stress	2'-9"	2'-9"	3'-1"	65	Stress	1'-11"	1'-11"	2'-1"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	2'-11"	3'-11"	3'-7"
35	Stress	2'-7"	2'-7"	2'-11"	70	Stress	1'-10"	1'-10"	2'-0"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	2'-10"	3'-10"	3'-6"
40	Stress	2'-5"	2'-5"	2'-8"	75	Stress	1'-9"	1'-9"	2'-0"
	Deflection	3'-5"	4'-7"	4'-3"		Deflection	2'-9"	3'-9"	3'-5"
45	Stress	2'-3"	2'-3"	2'-7"	80	Stress	1'-8"	1'-8"	1'-11"
	Deflection	3'-3"	4'-5"	4'-1"		Deflection	2'-8"	3'-8"	3'-4"
50	Stress	2'-2"	2'-2"	2'-5"	85	Stress	1'-8"	1'-8"	1'-10"
	Deflection	3'-2"	4'-3"	3'-11"		Deflection	2'-8"	3'-7"	3'-3"

See page 3 for standard notes

Load / Span Data

MX-7
Aluminum Perforated

0.040 in

Ix: 0.1599 in^4/ft
Sx: 0.1499 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-6"	5'-6"	6'-1"	55	Stress	3'-4"	3'-4"	3'-8"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	4'-5"	6'-0"	5'-6"
25	Stress	4'-11"	4'-11"	5'-6"	60	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-3"	5'-9"	5'-4"
30	Stress	4'-6"	4'-6"	5'-0"	65	Stress	3'-0"	3'-0"	3'-5"
	Deflection	5'-5"	7'-4"	6'-8"		Deflection	4'-2"	5'-8"	5'-2"
35	Stress	4'-2"	4'-2"	4'-8"	70	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-2"	6'-11"	6'-4"		Deflection	4'-1"	5'-6"	5'-1"
40	Stress	3'-10"	3'-10"	4'-4"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	4'-0"	5'-5"	4'-11"
45	Stress	3'-8"	3'-8"	4'-1"	80	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-9"	6'-4"	5'-10"		Deflection	3'-11"	5'-3"	4'-10"
50	Stress	3'-6"	3'-6"	3'-10"	85	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

MX-7
Aluminum Perforated

0.040 in

Ix: 0.1208 in^4/ft
Sx: 0.1119 in^3/ft
Perforation: 23%

[2l·Ř LJăŤ		{ʎy∃fŜ {LJl·y˙ ó₮ú́ú́	52dzōfŜ {LJl·y˙ ó₮ú́ú́	¢₥₪LJfŜ {LJl·y˙ ó₮ú́ú́	[2l·Ř LJăŤ		{ʎy∃fŜ {LJl·y˙ ó₮ú́ú́	52dzōfŜ {LJl·y˙ ó₮ú́ú́	¢₥₪LJfŜ {LJl·y˙ ó₮ú́ú́
нл	{ú₥Ŝăă	п⁴πфђ	п⁴πфђ	р⁴πођ	рр	{ú₥Ŝăă	н⁴ππмлђ	н⁴ππмлђ	о⁴ππнђ
	5Ŝ₹fŜŐúλ2y˙	р⁴πуђ	т⁴πтђ	т⁴πлђ		5Ŝ₹fŜŐúλ2y˙	п⁴πлђ	р⁴πрђ	р⁴πлђ
нр	{ú₥Ŝăă	п⁴πођ	п⁴πођ	п⁴πфђ	сл	{ú₥Ŝăă	н⁴πфђ	н⁴πфђ	о⁴ππмђ
	5Ŝ₹fŜŐúλ2y˙	р⁴πођ	т⁴ππмђ	с⁴πсђ		5Ŝ₹fŜŐúλ2y˙	о⁴ππммђ	р⁴πођ	п⁴ππмлђ
ол	{ú₥Ŝăă	о⁴ππмлђ	о⁴ππмлђ	п⁴πпђ	ср	{ú₥Ŝăă	н⁴πтђ	н⁴πтђ	н⁴ππммђ
	5Ŝ₹fŜŐúλ2y˙	п⁴ππммђ	с⁴πуђ	с⁴ππмђ		5Ŝ₹fŜŐúλ2y˙	о⁴ππмлђ	р⁴πнђ	п⁴πфђ
ор	{ú₥Ŝăă	о⁴πтђ	о⁴πтђ	п⁴πлђ	тл	{ú₥Ŝăă	н⁴πсђ	н⁴πсђ	н⁴ππмлђ
	5Ŝ₹fŜŐúλ2y˙	п⁴πуђ	с⁴ππпђ	р⁴ππмлђ		5Ŝ₹fŜŐúλ2y˙	о⁴πфђ	р⁴πлђ	п⁴πтђ
пл	{ú₥Ŝăă	о⁴ππпђ	о⁴ππпђ	о⁴πфђ	тр	{ú₥Ŝăă	н⁴πрђ	н⁴πрђ	н⁴πфђ
	5Ŝ₹fŜŐúλ2y˙	п⁴πсђ	с⁴πлђ	р⁴πтђ		5Ŝ₹fŜŐúλ2y˙	о⁴πуђ	п⁴ππммђ	п⁴πсђ
пр	{ú₥Ŝăă	о⁴ππнђ	о⁴ππнђ	о⁴πсђ	ул	{ú₥Ŝăă	н⁴ππпђ	н⁴ππпђ	н⁴πуђ
	5Ŝ₹fŜŐúλ2y˙	п⁴ππпђ	р⁴ππмлђ	р⁴ππпђ		5Ŝ₹fŜŐúλ2y˙	о⁴πтђ	п⁴ππмлђ	п⁴πрђ
рл	{ú₥Ŝăă	о⁴ππлђ	о⁴ππлђ	о⁴ππпђ	ур	{ú₥Ŝăă	н⁴ππпђ	н⁴ππпђ	н⁴πтђ
	5Ŝ₹fŜŐúλ2y˙	п⁴πнђ	р⁴πтђ	р⁴πнђ		5Ŝ₹fŜŐúλ2y˙	о⁴πсђ	п⁴πуђ	п⁴ππпђ

See page 3 for standard notes

MX-7
Aluminum Perforated

0.040 in

Ix: 0.0996 in^4/ft
Sx: 0.0958 in^3/ft
Perforation: 30%

[2l·Ř ĺJăŧ		{ƛƴƎƭŜ {ĺJl·ƴ óŧűύ	52dzōƭŜ {ĺJl·ƴ óŧűύ	¢ĺƛĺJƭŜ {ĺJl·ƴ óŧűύ	[2l·Ř ĺJăŧ		{ƛƴƎƭŜ {ĺJl·ƴ óŧűύ	52dzōƭŜ {ĺJl·ƴ óŧűύ	¢ĺƛĺJƭŜ {ĺJl·ƴ óŧűύ
нл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	пчπрЬ рчπоЬ	пчπрЬ тчπнЬ	пчπммЬ счπтЬ	рр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπуЬ очπфЬ	нчπуЬ рчπмЬ	нчπммЬ пчπуЬ
нр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	очπммЬ пчπммЬ	очπммЬ счπтЬ	пчπрЬ счπмЬ	сл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπсЬ очπуЬ	нчπсЬ пчπммЬ	нчπмлЬ пчπтЬ
ол	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	очπтЬ пчπтЬ	очπтЬ счπоЬ	пчπлЬ рчπфЬ	ср	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπрЬ очπтЬ	нчπрЬ пчπмлЬ	нчπфЬ пчπрЬ
ор	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	очπпЬ пчπрЬ	очπпЬ рчπммЬ	очπуЬ рчπрЬ	тл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπпЬ очπсЬ	нчπпЬ пчπуЬ	нчπтЬ пчπпЬ
пл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	очπмЬ пчπнЬ	очπмЬ рчπуЬ	очπсЬ рчπнЬ	тр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπоЬ очπрЬ	нчπоЬ пчπтЬ	нчπсЬ пчπоЬ
пр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπммЬ пчπлЬ	нчπммЬ рчπрЬ	очπоЬ рчπлЬ	ул	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπнЬ очπпЬ	нчπнЬ пчπсЬ	нчπрЬ пчπнЬ
рл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπфЬ очπммЬ	нчπфЬ рчπоЬ	очπмЬ пчπмлЬ	ур	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπмЬ очπоЬ	нчπмЬ пчπрЬ	нчπпЬ пчπмЬ

MX-7
Aluminum Perforated

0.040 in

Ix: 0.0902 in^4/ft
Sx: 0.0895 in^3/ft
Perforation: 33%

[2l·Ř ĺJăŧ		{ƛƴƎƭŜ {ĺJl·ƴ óŧűύ	52dzōƭŜ {ĺJl·ƴ óŧűύ	¢ĺƛĺJƭŜ {ĺJl·ƴ óŧűύ	[2l·Ř ĺJăŧ		{ƛƴƎƭŜ {ĺJl·ƴ óŧűύ	52dzōƭŜ {ĺJl·ƴ óŧűύ	¢ĺƛĺJƭŜ {ĺJl·ƴ óŧűύ
ол	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	очπрЬ пчπсЬ	очπрЬ счπлЬ	очπмлЬ рчπсЬ	ср	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπпЬ очπрЬ	нчπпЬ пчπуЬ	нчπтЬ пчπоЬ
ор	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	очπнЬ пчπоЬ	очπнЬ рчπфЬ	очπтЬ рчπоЬ	тл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπоЬ очπпЬ	нчπоЬ пчπтЬ	нчπсЬ пчπнЬ
пл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	очπлЬ пчπмЬ	очπлЬ рчπсЬ	очπпЬ рчπлЬ	тр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπнЬ очπоЬ	нчπнЬ пчπрЬ	нчπрЬ пчπмЬ
пр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπмлЬ очπммЬ	нчπмлЬ рчπоЬ	очπнЬ пчπмлЬ	ул	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπмЬ очπоЬ	нчπмЬ пчπпЬ	нчπпЬ пчπлЬ
рл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπуЬ очπфЬ	нчπуЬ рчπмЬ	очπлЬ пчπуЬ	ур	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπмЬ очπнЬ	нчπмЬ пчπоЬ	нчπпЬ очπммЬ
рр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπтЬ очπуЬ	нчπтЬ пчπммЬ	нчπмлЬ пчπсЬ	фл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	мчπмнЬ очπмЬ	мчπмнЬ пчπнЬ	нчπоЬ очπмлЬ
сл	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	нчπрЬ очπтЬ	нчπрЬ пчπфЬ	нчπфЬ пчπрЬ	фр	{ύĺƛŜăă 5ŜŧƭŜŎύƛ2ƴ	мчπммЬ очπлЬ	мчπммЬ пчπмЬ	нчπнЬ очπфЬ

See page 3 for standard notes

Load / Span Data

MX-7
Aluminum Perforated

0.040 in

Ix: 0.0708 in^4/ft
Sx: 0.0745 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-10"	3'-10"	4'-4"	55	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-9"	6'-4"	5'-10"		Deflection	3'-4"	4'-7"	4'-2"
25	Stress	3'-5"	3'-5"	3'-10"	60	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-3"	4'-5"	4'-1"
30	Stress	3'-2"	3'-2"	3'-6"	65	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-1"	5'-7"	5'-1"		Deflection	3'-2"	4'-4"	3'-11"
35	Stress	2'-11"	2'-11"	3'-3"	70	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-1"	4'-2"	3'-10"
40	Stress	2'-9"	2'-9"	3'-1"	75	Stress	1'-12"	1'-12"	2'-3"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-0"	4'-1"	3'-9"
45	Stress	2'-7"	2'-7"	2'-11"	80	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-7"	4'-10"	4'-6"		Deflection	3'-0"	4'-0"	3'-8"
50	Stress	2'-5"	2'-5"	2'-9"	85	Stress	1'-10"	1'-10"	2'-1"
	Deflection	3'-6"	4'-8"	4'-4"		Deflection	2'-11"	3'-11"	3'-7"

MX-7
Aluminum Perforated

0.040 in

Ix: 0.0468 in^4/ft
Sx: 0.056 in^3/ft
Perforation: 51%

[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y´ ó₮ű́ú	52ʤzōfŜ {LJl·y´ ó₮ű́ú	₵₪ƛLJfŜ {LJl·y´ ó₮ű́ú	[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y´ ó₮ű́ú	52ʤzōfŜ {LJl·y´ ó₮ű́ú	₵₪ƛLJfŜ {LJl·y´ ó₮ű́ú
нл	{ú₪Ŝăă	о⁴πпђ	о⁴πпђ	о⁴πфђ	рр	{ú₪Ŝăă	н⁴πлђ	н⁴πлђ	н⁴πођ
	5ŜŦfŜÔúƛ2ƴ´	п⁴πмђ	р⁴πтђ	р⁴πмђ		5ŜŦfŜÔúƛ2ƴ´	н⁴πммђ	п⁴πлђ	о⁴πуђ
нр	{ú₪Ŝăă	о⁴πлђ	о⁴πлђ	о⁴πпђ	сл	{ú₪Ŝăă	м⁴πммђ	м⁴πммђ	н⁴πнђ
	5ŜŦfŜÔúƛ2ƴ´	о⁴πмлђ	р⁴πнђ	п⁴πфђ		5ŜŦfŜÔúƛ2ƴ´	н⁴πмлђ	о⁴πмлђ	о⁴πсђ
ол	{ú₪Ŝăă	н⁴πфђ	н⁴πфђ	о⁴πмђ	ср	{ú₪Ŝăă	м⁴πмлђ	м⁴πмлђ	н⁴πмђ
	5ŜŦfŜÔúƛ2ƴ´	о⁴πтђ	п⁴πмлђ	п⁴πрђ		5ŜŦfŜÔúƛ2ƴ´	н⁴πфђ	о⁴πфђ	о⁴πрђ
ор	{ú₪Ŝăă	н⁴πсђ	н⁴πсђ	н⁴πмлђ	тл	{ú₪Ŝăă	м⁴πфђ	м⁴πфђ	н⁴πлђ
	5ŜŦfŜÔúƛ2ƴ´	о⁴πрђ	п⁴πтђ	п⁴πођ		5ŜŦfŜÔúƛ2ƴ´	н⁴πуђ	о⁴πуђ	о⁴ппђ
пл	{ú₪Ŝăă	н⁴πпђ	н⁴πпђ	н⁴πуђ	тр	{ú₪Ŝăă	м⁴πфђ	м⁴πфђ	м⁴πммђ
	5ŜŦfŜÔúƛ2ƴ´	о⁴πођ	п⁴πрђ	п⁴πмђ		5ŜŦfŜÔúƛ2ƴ´	н⁴πуђ	о⁴πтђ	о⁴πођ
пр	{ú₪Ŝăă	н⁴πођ	н⁴πођ	н⁴πсђ	ул	{ú₪Ŝăă	м⁴πуђ	м⁴πуђ	м⁴πмлђ
	5ŜŦfŜÔúƛ2ƴ´	о⁴πнђ	п⁴πођ	о⁴πммђ		5ŜŦfŜÔúƛ2ƴ´	н⁴πтђ	о⁴πсђ	о⁴πођ
рл	{ú₪Ŝăă	н⁴πмђ	н⁴πмђ	н⁴πпђ	ур	{ú₪Ŝăă	м⁴πтђ	м⁴πтђ	м⁴πмлђ
	5ŜŦfŜÔúƛ2ƴ´	о⁴πлђ	п⁴πмђ	о⁴πфђ		5ŜŦfŜÔúƛ2ƴ´	н⁴πсђ	о⁴πрђ	о⁴πнђ

See page 3 for standard notes

MX-7
Aluminum Perforated

0.050 in

Ix: 0.2374 in^4/ft
Sx: 0.211 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-6"	6'-6"	7'-3"	55	Stress	3'-11"	3'-11"	4'-5"
	Deflection	7'-1"	9'-6"	8'-9"		Deflection	5'-0"	6'-10"	6'-3"
25	Stress	5'-10"	5'-10"	6'-6"	60	Stress	3'-9"	3'-9"	4'-2"
	Deflection	6'-7"	8'-10"	8'-2"		Deflection	4'-11"	6'-7"	6'-1"
30	Stress	5'-4"	5'-4"	5'-11"	65	Stress	3'-7"	3'-7"	4'-0"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	4'-9"	6'-5"	5'-11"
35	Stress	4'-11"	4'-11"	5'-6"	70	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-10"	7'-11"	7'-3"		Deflection	4'-8"	6'-3"	5'-9"
40	Stress	4'-7"	4'-7"	5'-2"	75	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-7"	7'-7"	6'-11"		Deflection	4'-7"	6'-2"	5'-8"
45	Stress	4'-4"	4'-4"	4'-10"	80	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-5"	7'-3"	6'-8"		Deflection	4'-5"	6'-0"	5'-6"
50	Stress	4'-1"	4'-1"	4'-7"	85	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-4"	5'-11"	5'-5"

MX-7
Aluminum Perforated

0.050 in

Ix: 0.1794 in^4/ft
Sx: 0.1575 in^3/ft
Perforation: 23%

[2I·Ř LJăŤ		{ʎyƎťŜ {LJI·y´ óŤŰú	52dzōťŜ {LJI·y´ óŤŰú	¢ⓀⓁLJťŜ {LJI·y´ óŤŰú	[2I·Ř LJăŤ		{ʎyƎťŜ {LJI·y´ óŤŰú	52dzōťŜ {LJI·y´ óŤŰú	¢ⓀⓁLJťŜ {LJI·y´ óŤŰú
нл	{úⓀŜăă	p⁴πтђ	p⁴πтђ	c⁴πoђ	pp	{úⓀŜăă	o⁴πpђ	o⁴πpђ	o⁴πфђ
	5ŜŤfŜÖúƛ2y´	c⁴πpђ	y⁴πyђ	y⁴πлђ		5ŜŤfŜÖúƛ2y´	п⁴πтђ	c⁴πнђ	p⁴πyђ
нр	{úⓀŜăă	p⁴πлђ	p⁴πлђ	p⁴πтђ	сл	{úⓀŜăă	o⁴πoђ	o⁴πoђ	o⁴πтђ
	5ŜŤfŜÖúƛ2y´	c⁴πлђ	y⁴πмђ	т⁴πpђ		5ŜŤfŜÖúƛ2y´	п⁴πpђ	c⁴πлђ	p⁴πcђ
ол	{úⓀŜăă	п⁴πтђ	п⁴πтђ	p⁴πмђ	ср	{úⓀŜăă	o⁴πмђ	o⁴πмђ	o⁴πcђ
	5ŜŤfŜÖúƛ2y´	p⁴πтђ	т⁴πтђ	т⁴πлђ		5ŜŤfŜÖúƛ2y´	п⁴πпђ	p⁴πмлђ	p⁴πpђ
ор	{úⓀŜăă	п⁴πoђ	п⁴πoђ	п⁴πфђ	тл	{úⓀŜăă	o⁴πлђ	o⁴πлђ	o⁴πпђ
	5ŜŤfŜÖúƛ2y´	p⁴πпђ	т⁴πнђ	c⁴πтђ		5ŜŤfŜÖúƛ2y´	п⁴πoђ	p⁴πфђ	p⁴πoђ
пл	{úⓀŜăă	п⁴πлђ	п⁴πлђ	п⁴πpђ	тр	{úⓀŜăă	н⁴πммђ	н⁴πммђ	o⁴πoђ
	5ŜŤfŜÖúƛ2y´	p⁴πмђ	c⁴πммђ	c⁴πпђ		5ŜŤfŜÖúƛ2y´	п⁴πнђ	p⁴πтђ	p⁴πнђ
пр	{úⓀŜăă	o⁴πфђ	o⁴πфђ	п⁴πнђ	ул	{úⓀŜăă	н⁴πмлђ	н⁴πмлђ	o⁴πнђ
	5ŜŤfŜÖúƛ2y´	п⁴πммђ	c⁴πтђ	c⁴πмђ		5ŜŤfŜÖúƛ2y´	п⁴πмђ	p⁴πcђ	p⁴πлђ
рл	{úⓀŜăă	o⁴πтђ	o⁴πтђ	п⁴πлђ	ур	{úⓀŜăă	н⁴πфђ	н⁴πфђ	o⁴πмђ
	5ŜŤfŜÖúƛ2y´	п⁴πфђ	c⁴πpђ	p⁴πмлђ		5ŜŤfŜÖúƛ2y´	п⁴πлђ	p⁴πпђ	п⁴πммђ

See page 3 for standard notes

Load / Span Data

MX-7
Aluminum Perforated

0.050 in

Ix: 0.1479 in^4/ft
Sx: 0.1348 in^3/ft
Perforation: 30%

[2I·Ř LJăŦ		{λyƎfŜ {LJI·Y óŦǘú	52dzōfŜ {LJI·Y óŦǘú	¢ƜλLJfŜ {LJI·Y óŦǘú	[2I·Ř LJăŦ		{λyƎfŜ {LJI·Y óŦǘú	52dzōfŜ {LJI·Y óŦǘú	¢ƜλLJfŜ {LJI·Y óŦǘú
нл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	рчπнЬ счπлЬ	рчπнЬ учπнЬ	рчπмлЬ тчπсЬ	рр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπнЬ пчπпЬ	очπнЬ рчπмлЬ	очπсЬ рчπпЬ
нр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	пчπуЬ рчπтЬ	пчπуЬ тчπтЬ	рчπнЬ счπммЬ	сл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπлЬ пчπнЬ	очπлЬ рчπуЬ	очπпЬ рчπнЬ
ол	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	пчπоЬ рчπоЬ	пчπоЬ тчπмЬ	пчπфЬ счπсЬ	ср	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπммЬ пчπмЬ	нчπммЬ рчπсЬ	очπоЬ рчπмЬ
ор	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπммЬ рчπлЬ	очπммЬ счπфЬ	пчπрЬ счπнЬ	тл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπфЬ пчπлЬ	нчπфЬ рчπпЬ	очπмЬ пчπммЬ
пл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπуЬ пчπфЬ	очπуЬ счπсЬ	пчπмЬ рчπммЬ	тр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπуЬ очπммЬ	нчπуЬ рчπоЬ	очπлЬ пчπмлЬ
пр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπсЬ пчπтЬ	очπсЬ счπоЬ	очπмлЬ рчπуЬ	ул	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπтЬ очπмлЬ	нчπтЬ рчπнЬ	нчπммЬ пчπфЬ
рл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπоЬ пчπрЬ	очπоЬ счπлЬ	очπуЬ рчπсЬ	ур	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπсЬ очπфЬ	нчπсЬ рчπлЬ	нчπмлЬ пчπтЬ

MX-7
Aluminum Perforated

0.050 in

Ix: 0.134 in^4/ft
Sx: 0.126 in^3/ft
Perforation: 33%

[2I·Ř LJăŦ		{λyƎfŜ {LJI·Y óŦǘú	52dzōfŜ {LJI·Y óŦǘú	¢ƜλLJfŜ {LJI·Y óŦǘú	[2I·Ř LJăŦ		{λyƎfŜ {LJI·Y óŦǘú	52dzōfŜ {LJI·Y óŦǘú	¢ƜλLJfŜ {LJI·Y óŦǘú
нл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	рчπлЬ рчπмлЬ	рчπлЬ тчπмлЬ	рчπтЬ тчπоЬ	рр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπлЬ пчπнЬ	очπлЬ рчπтЬ	очπрЬ рчπнЬ
нр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	пчπсЬ рчπрЬ	пчπсЬ тчπпЬ	рчπлЬ счπфЬ	сл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπммЬ пчπмЬ	нчπммЬ рчπсЬ	очπоЬ рчπлЬ
ол	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	пчπмЬ рчπмЬ	пчπмЬ счπммЬ	пчπтЬ счπпЬ	ср	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπфЬ очπммЬ	нчπфЬ рчπпЬ	очπмЬ пчπммЬ
ор	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπмлЬ пчπмлЬ	очπмлЬ счπсЬ	пчπоЬ счπлЬ	тл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπуЬ очπмлЬ	нчπуЬ рчπнЬ	очπлЬ пчπфЬ
пл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπтЬ пчπуЬ	очπтЬ счπоЬ	пчπлЬ рчπфЬ	тр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπтЬ очπфЬ	нчπтЬ рчπмЬ	нчπммЬ пчπуЬ
пр	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπпЬ пчπрЬ	очπпЬ счπлЬ	очπфЬ рчπсЬ	ул	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπсЬ очπуЬ	нчπсЬ рчπлЬ	нчπмлЬ пчπтЬ
рл	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	очπнЬ пчπпЬ	очπнЬ рчπмлЬ	очπтЬ рчπпЬ	ур	{ǘƜŜăă 5ŜŦfŜŎǘλ2Y	нчπрЬ очπтЬ	нчπрЬ пчπмлЬ	нчπфЬ пчπсЬ

See page 3 for standard notes

MX-7
Aluminum Perforated

0.050 in

Ix: 0.1052 in^4/ft
Sx: 0.1049 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-7"	4'-7"	5'-1"	55	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-5"	7'-3"	6'-8"		Deflection	3'-10"	5'-2"	4'-9"
25	Stress	4'-1"	4'-1"	4'-7"	60	Stress	2'-8"	2'-8"	2'-11"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-9"	5'-0"	4'-8"
30	Stress	3'-9"	3'-9"	4'-2"	65	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-8"	4'-11"	4'-6"
35	Stress	3'-6"	3'-6"	3'-10"	70	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-6"	6'-0"	5'-6"		Deflection	3'-7"	4'-9"	4'-5"
40	Stress	3'-3"	3'-3"	3'-7"	75	Stress	2'-4"	2'-4"	2'-8"
	Deflection	4'-3"	5'-9"	5'-4"		Deflection	3'-6"	4'-8"	4'-4"
45	Stress	3'-1"	3'-1"	3'-5"	80	Stress	2'-3"	2'-3"	2'-7"
	Deflection	4'-1"	5'-7"	5'-1"		Deflection	3'-5"	4'-7"	4'-2"
50	Stress	2'-11"	2'-11"	3'-3"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-4"	4'-6"	4'-1"

MX-7
Aluminum Perforated

0.050 in

Ix: 0.0695 in^4/ft
Sx: 0.0787 in^3/ft
Perforation: 51%

[ƻI·Ř LJǎŦ		{ƛyƎƭŜ {LJI·Y óŦǘύ	5ƻdzōƭŜ {LJI·Y óŦǘύ	¢ǁƛLJƭŜ {LJI·Y óŦǘύ	[ƻI·Ř LJǎŦ		{ƛyƎƭŜ {LJI·Y óŦǘύ	5ƻdzōƭŜ {LJI·Y óŦǘύ	¢ǁƛLJƭŜ {LJI·Y óŦǘύ
нл	{ǘǁŜǎǎ	пчπлЬ	пчπлЬ	пчπрЬ	рр	{ǘǁŜǎǎ	нчπрЬ	нчπрЬ	нчπуЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπуЬ	счπпЬ	рчπмлЬ		5ŜŦƭŜŎǘƛƻƴ	очπпЬ	пчπсЬ	пчπнЬ
нр	{ǘǁŜǎǎ	очπтЬ	очπтЬ	пчπлЬ	сл	{ǘǁŜǎǎ	нчπоЬ	нчπоЬ	нчπтЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπпЬ	рчπмлЬ	рчπрЬ		5ŜŦƭŜŎǘƛƻƴ	очπоЬ	пчπрЬ	пчπлЬ
ол	{ǘǁŜǎǎ	очπоЬ	очπоЬ	очπтЬ	ср	{ǘǁŜǎǎ	нчπнЬ	нчπнЬ	нчπсЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπмЬ	рчπсЬ	рчπмЬ		5ŜŦƭŜŎǘƛƻƴ	очπнЬ	пчπоЬ	очπммЬ
ор	{ǘǁŜǎǎ	очπлЬ	очπлЬ	очπпЬ	тл	{ǘǁŜǎǎ	нчπмЬ	нчπмЬ	нчπпЬ
	5ŜŦƭŜŎǘƛƻƴ	очπммЬ	рчπоЬ	пчπмлЬ		5ŜŦƭŜŎǘƛƻƴ	очπмЬ	пчπнЬ	очπмлЬ
пл	{ǘǁŜǎǎ	нчπмлЬ	нчπмлЬ	очπнЬ	тр	{ǘǁŜǎǎ	нчπмЬ	нчπмЬ	нчπоЬ
	5ŜŦƭŜŎǘƛƻƴ	очπфЬ	рчπлЬ	пчπтЬ		5ŜŦƭŜŎǘƛƻƴ	очπлЬ	пчπмЬ	очπфЬ
пр	{ǘǁŜǎǎ	нчπуЬ	нчπуЬ	нчπммЬ	ул	{ǘǁŜǎǎ	нчπлЬ	нчπлЬ	нчπоЬ
	5ŜŦƭŜŎǘƛƻƴ	очπтЬ	пчπмлЬ	пчπрЬ		5ŜŦƭŜŎǘƛƻƴ	нчπммЬ	пчπлЬ	очπуЬ
рл	{ǘǁŜǎǎ	нчπсЬ	нчπсЬ	нчπмлЬ	ур	{ǘǁŜǎǎ	мчπммЬ	мчπммЬ	нчπнЬ
	5ŜŦƭŜŎǘƛƻƴ	очπрЬ	пчπуЬ	пчπоЬ		5ŜŦƭŜŎǘƛƻƴ	нчπммЬ	очπммЬ	очπтЬ

See page 3 for standard notes

Load / Span Data

MX-8
Aluminum Perforated

0.040 in

Ix: 0.1809 in^4/ft
Sx: 0.1749 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-11"	5'-11"	6'-7"	55	Stress	3'-7"	3'-7"	4'-0"
	Deflection	6'-5"	8'-8"	8'-0"		Deflection	4'-7"	6'-3"	5'-8"
25	Stress	5'-3"	5'-3"	5'-11"	60	Stress	3'-5"	3'-5"	3'-10"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-6"	6'-0"	5'-7"
30	Stress	4'-10"	4'-10"	5'-5"	65	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-8"	7'-7"	7'-0"		Deflection	4'-4"	5'-11"	5'-5"
35	Stress	4'-6"	4'-6"	5'-0"	70	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	4'-3"	5'-9"	5'-3"
40	Stress	4'-2"	4'-2"	4'-8"	75	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	4'-2"	5'-7"	5'-2"
45	Stress	3'-11"	3'-11"	4'-5"	80	Stress	2'-11"	2'-11"	3'-4"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	4'-1"	5'-6"	5'-0"
50	Stress	3'-9"	3'-9"	4'-2"	85	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	4'-0"	5'-4"	4'-11"

MX-8
Aluminum Perforated

0.040 in

Ix: 0.1367 in^4/ft
Sx: 0.1305 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-1"	5'-1"	5'-9"	55	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-10"	7'-11"	7'-3"		Deflection	4'-2"	5'-8"	5'-2"
25	Stress	4'-7"	4'-7"	5'-1"	60	Stress	2'-11"	2'-11"	3'-4"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-1"	5'-6"	5'-1"
30	Stress	4'-2"	4'-2"	4'-8"	65	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-2"	6'-11"	6'-4"		Deflection	4'-0"	5'-4"	4'-11"
35	Stress	3'-10"	3'-10"	4'-4"	70	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-10"	6'-7"	6'-1"		Deflection	3'-10"	5'-3"	4'-10"
40	Stress	3'-7"	3'-7"	4'-0"	75	Stress	2'-8"	2'-8"	2'-11"
	Deflection	4'-8"	6'-4"	5'-9"		Deflection	3'-9"	5'-1"	4'-8"
45	Stress	3'-5"	3'-5"	3'-10"	80	Stress	2'-7"	2'-7"	2'-10"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	5'-0"	4'-7"
50	Stress	3'-3"	3'-3"	3'-7"	85	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-8"	4'-11"	4'-6"

See page 3 for standard notes

MX-8
Aluminum Perforated

0.040 in

Ix: 0.1127 in^4/ft
Sx: 0.1117 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-9"	4'-9"	5'-3"	55	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	3'-11"	5'-4"	4'-10"
25	Stress	4'-3"	4'-3"	4'-9"	60	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-10"	5'-2"	4'-9"
30	Stress	3'-10"	3'-10"	4'-4"	65	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-9"	5'-0"	4'-7"
35	Stress	3'-7"	3'-7"	4'-0"	70	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-8"	4'-11"	4'-6"
40	Stress	3'-4"	3'-4"	3'-9"	75	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-7"	4'-9"	4'-5"
45	Stress	3'-2"	3'-2"	3'-6"	80	Stress	2'-4"	2'-4"	2'-8"
	Deflection	4'-2"	5'-8"	5'-3"		Deflection	3'-6"	4'-8"	4'-4"
50	Stress	3'-0"	3'-0"	3'-4"	85	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-5"	4'-7"	4'-3"

MX-8
Aluminum Perforated

0.040 in

Ix: 0.1021 in^4/ft
Sx: 0.1044 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{úЍŜăă 5ŜŦfŜÕúl2y´	п⁴птђ р⁴ппђ	п⁴птђ т⁴пнђ	р⁴пмђ с⁴птђ	рр	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴пфђ о⁴пмлђ	н⁴пфђ р⁴пнђ	о⁴пмђ п⁴пфђ
нр	{úЍŜăă 5ŜŦfŜÕúl2y´	п⁴пмђ п⁴пммђ	п⁴пмђ с⁴пуђ	п⁴пттђ с⁴пнђ	сл	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴пуђ о⁴пуђ	н⁴пуђ р⁴плђ	н⁴пммђ п⁴пттђ
ол	{úЍŜăă 5ŜŦfŜÕúl2y´	о⁴пфђ п⁴пуђ	о⁴пфђ с⁴пођ	п⁴пнђ р⁴пфђ	ср	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴псђ о⁴птђ	н⁴псђ п⁴пмлђ	н⁴пмлђ п⁴псђ
ор	{úЍŜăă 5ŜŦfŜÕúl2y´	о⁴прђ п⁴прђ	о⁴прђ с⁴плђ	о⁴пмлђ р⁴псђ	тл	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴прђ о⁴псђ	н⁴прђ п⁴пфђ	н⁴пфђ п⁴ппђ
пл	{úЍŜăă 5ŜŦfŜÕúl2y´	о⁴пођ п⁴пођ	о⁴пођ р⁴пфђ	о⁴пттђ р⁴пођ	тр	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴ппђ о⁴прђ	н⁴ппђ п⁴пуђ	н⁴пуђ п⁴пођ
пр	{úЍŜăă 5ŜŦfŜÕúl2y´	о⁴пмђ п⁴пмђ	о⁴пмђ р⁴псђ	о⁴прђ р⁴плђ	ул	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴пођ о⁴ппђ	н⁴пођ п⁴псђ	н⁴пттђ п⁴пнђ
рл	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴пммђ о⁴пммђ	н⁴пммђ р⁴ппђ	о⁴пођ п⁴пмлђ	ур	{úЍŜăă 5ŜŦfŜÕúl2y´	н⁴пођ о⁴пођ	н⁴пођ п⁴прђ	н⁴псђ п⁴пмђ

See page 3 for standard notes

Load / Span Data

MX-8
Aluminum Perforated

0.040 in

Ix: 0.0801 in^4/ft
Sx: 0.0869 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{úЏŜää 5ŜŕfŜŎúл2y˘	п⁴пнђ п⁴ппмђ	п⁴пнђ с⁴пуђ	п⁴пуђ с⁴пмђ	рр	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴псђ о⁴псђ	н⁴псђ п⁴пфђ	н⁴пмлђ п⁴ппђ
нр	{úЏŜää 5ŜŕfŜŎúл2y˘	о⁴пфђ п⁴птђ	о⁴пфђ с⁴пнђ	п⁴пнђ р⁴пуђ	сл	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴прђ о⁴прђ	н⁴прђ п⁴птђ	н⁴пуђ п⁴пођ
ол	{úЏŜää 5ŜŕfŜŎúл2y˘	о⁴прђ п⁴ппђ	о⁴прђ р⁴пмлђ	о⁴пмлђ р⁴ппђ	ср	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴ппђ о⁴ппђ	н⁴ппђ п⁴псђ	н⁴птђ п⁴пмђ
ор	{úЏŜää 5ŜŕfŜŎúл2y˘	о⁴пнђ п⁴пмђ	о⁴пнђ р⁴псђ	о⁴псђ р⁴пмђ	тл	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пођ о⁴пођ	н⁴пођ п⁴ппђ	н⁴псђ п⁴плђ
пл	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пммђ о⁴пммђ	н⁴пммђ р⁴пођ	о⁴ппђ п⁴пмлђ	тр	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пнђ о⁴пнђ	н⁴пнђ п⁴пођ	н⁴прђ о⁴пммђ
пр	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пфђ о⁴пфђ	н⁴пфђ р⁴пмђ	о⁴пмђ п⁴пуђ	ул	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пмђ о⁴пмђ	н⁴пмђ п⁴пнђ	н⁴ппђ о⁴пмлђ
рл	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пуђ о⁴птђ	н⁴пуђ п⁴пмђ	н⁴пмђ п⁴псђ	ур	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴плђ о⁴плђ	н⁴плђ п⁴пмђ	н⁴пођ о⁴пфђ

MX-8
Aluminum Perforated

0.040 in

Ix: 0.053 in^4/ft
Sx: 0.0653 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{úЏŜää 5ŜŕfŜŎúл2y˘	о⁴птђ п⁴пођ	о⁴птђ р⁴пфђ	п⁴плђ р⁴ппђ	рр	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пнђ о⁴пмђ	н⁴пнђ п⁴пнђ	н⁴прђ о⁴пфђ
нр	{úЏŜää 5ŜŕfŜŎúл2y˘	о⁴пођ п⁴плђ	о⁴пођ р⁴ппђ	о⁴птђ п⁴пммђ	сл	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пмђ о⁴плђ	н⁴пмђ п⁴плђ	н⁴ппђ о⁴пуђ
ол	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пммђ о⁴пфђ	н⁴пммђ р⁴пмђ	о⁴ппђ п⁴пуђ	ср	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴плђ н⁴пммђ	н⁴плђ о⁴пммђ	н⁴пођ о⁴птђ
ор	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пфђ о⁴птђ	н⁴пфђ п⁴пмлђ	о⁴пмђ п⁴прђ	тл	{úЏŜää 5ŜŕfŜŎúл2y˘	м⁴пммђ н⁴пмлђ	м⁴пммђ о⁴пмлђ	н⁴пнђ о⁴псђ
пл	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴птђ о⁴прђ	н⁴птђ п⁴птђ	н⁴пмлђ п⁴пођ	тр	{úЏŜää 5ŜŕfŜŎúл2y˘	м⁴пмлђ н⁴пфђ	м⁴пмлђ о⁴пфђ	н⁴пмђ о⁴прђ
пр	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴прђ о⁴пођ	н⁴прђ п⁴прђ	н⁴пуђ п⁴пмђ	ул	{úЏŜää 5ŜŕfŜŎúл2y˘	м⁴пмлђ н⁴пуђ	м⁴пмлђ о⁴пуђ	н⁴плђ о⁴ппђ
рл	{úЏŜää 5ŜŕfŜŎúл2y˘	н⁴пођ о⁴пнђ	н⁴пођ п⁴пођ	н⁴птђ о⁴пммђ	ур	{úЏŜää 5ŜŕfŜŎúл2y˘	м⁴пфђ н⁴пуђ	м⁴пфђ о⁴птђ	н⁴плђ о⁴пођ

See page 3 for standard notes

MX-8
Aluminum Perforated

0.050 in

Ix: 0.2267 in^4/ft
Sx: 0.2184 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-7"	6'-7"	7'-5"	55	Stress	4'-0"	4'-0"	4'-5"
	Deflection	6'-11"	9'-5"	8'-7"		Deflection	5'-0"	6'-8"	6'-2"
25	Stress	5'-11"	5'-11"	6'-7"	60	Stress	3'-10"	3'-10"	4'-3"
	Deflection	6'-5"	8'-9"	8'-0"		Deflection	4'-10"	6'-6"	6'-0"
30	Stress	5'-5"	5'-5"	6'-0"	65	Stress	3'-8"	3'-8"	4'-1"
	Deflection	6'-1"	8'-2"	7'-6"		Deflection	4'-8"	6'-4"	5'-10"
35	Stress	5'-0"	5'-0"	5'-7"	70	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-9"	7'-9"	7'-2"		Deflection	4'-7"	6'-2"	5'-8"
40	Stress	4'-8"	4'-8"	5'-3"	75	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-6"	6'-0"	5'-7"
45	Stress	4'-5"	4'-5"	4'-11"	80	Stress	3'-4"	3'-4"	3'-8"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-5"	5'-11"	5'-5"
50	Stress	4'-2"	4'-2"	4'-8"	85	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	4'-3"	5'-10"	5'-4"

MX-8
Aluminum Perforated

0.050 in

Ix: 0.1713 in^4/ft
Sx: 0.163 in^3/ft
Perforation: 23%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{ú№Ŝăă	pЧπфЬ	pЧπфЬ	cЧπpЬ	рр	{ú№Ŝăă	oЧπpЬ	oЧπpЬ	oЧπмлЬ
	5Ŝ₮fŜÔúλ2ў	cЧππЬ	уЧπтЬ	тЧπмлЬ		5Ŝ₮fŜÔúλ2ў	пЧπcЬ	cЧπмЬ	pЧπтЬ
нр	{ú№Ŝăă	pЧπмЬ	pЧπмЬ	pЧπфЬ	сл	{ú№Ŝăă	oЧππЬ	oЧππЬ	oЧπуЬ
	5Ŝ₮fŜÔúλ2ў	pЧπммЬ	тЧπммЬ	тЧπoЬ		5Ŝ₮fŜÔúλ2ў	пЧπpЬ	pЧπммЬ	pЧπpЬ
ол	{ú№Ŝăă	пЧπуЬ	пЧπуЬ	pЧπoЬ	ср	{ú№Ŝăă	oЧπнЬ	oЧπнЬ	oЧπcЬ
	5Ŝ₮fŜÔúλ2ў	pЧπcЬ	тЧπcЬ	cЧπмлЬ		5Ŝ₮fŜÔúλ2ў	пЧπoЬ	pЧπфЬ	pЧππЬ
ор	{ú№Ŝăă	пЧππЬ	пЧππЬ	пЧπмлЬ	тл	{ú№Ŝăă	oЧπмЬ	oЧπмЬ	oЧπpЬ
	5Ŝ₮fŜÔúλ2ў	pЧπoЬ	тЧπмЬ	cЧπcЬ		5Ŝ₮fŜÔúλ2ў	пЧπнЬ	pЧπуЬ	pЧπнЬ
пл	{ú№Ŝăă	пЧплЬ	пЧплЬ	пЧπcЬ	тр	{ú№Ŝăă	нЧπммЬ	нЧπммЬ	oЧππЬ
	5Ŝ₮fŜÔúλ2ў	pЧплЬ	cЧπфЬ	cЧπoЬ		5Ŝ₮fŜÔúλ2ў	пЧπмЬ	pЧπcЬ	pЧπмЬ
пр	{ú№Ŝăă	oЧπмлЬ	oЧπмлЬ	пЧπoЬ	ул	{ú№Ŝăă	нЧπмлЬ	нЧπмлЬ	oЧπнЬ
	5Ŝ₮fŜÔúλ2ў	пЧπмлЬ	cЧπcЬ	cЧплЬ		5Ŝ₮fŜÔúλ2ў	пЧплЬ	pЧπpЬ	пЧπммЬ
рл	{ú№Ŝăă	oЧπтЬ	oЧπтЬ	пЧплЬ	ур	{ú№Ŝăă	нЧπфЬ	нЧπфЬ	oЧπмЬ
	5Ŝ₮fŜÔúλ2ў	пЧπуЬ	cЧππЬ	pЧπфЬ		5Ŝ₮fŜÔúλ2ў	oЧπммЬ	pЧπoЬ	пЧπмлЬ

See page 3 for standard notes

Load / Span Data

MX-8
Aluminum Perforated

0.050 in

Ix: 0.1412 in^4/ft
Sx: 0.1395 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-3"	5'-3"	5'-11"	55	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-11"	8'-0"	7'-4"		Deflection	4'-3"	5'-9"	5'-3"
25	Stress	4'-9"	4'-9"	5'-3"	60	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-1"	5'-7"	5'-1"
30	Stress	4'-4"	4'-4"	4'-10"	65	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-2"	7'-0"	6'-5"		Deflection	4'-0"	5'-5"	5'-0"
35	Stress	4'-0"	4'-0"	4'-6"	70	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	3'-11"	5'-3"	4'-10"
40	Stress	3'-9"	3'-9"	4'-2"	75	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-9"	6'-4"	5'-10"		Deflection	3'-10"	5'-2"	4'-9"
45	Stress	3'-6"	3'-6"	3'-11"	80	Stress	2'-8"	2'-8"	2'-11"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-9"	5'-1"	4'-8"
50	Stress	3'-4"	3'-4"	3'-9"	85	Stress	2'-7"	2'-7"	2'-10"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-8"	4'-11"	4'-7"

MX-8
Aluminum Perforated

0.050 in

Ix: 0.1279 in^4/ft
Sx: 0.1304 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{úÙŜăă	pчπmђ	pчπmђ	pчπфђ	рр	{úÙŜăă	oчπmђ	oчπmђ	oчπpђ
	5ŜтfŜŏűůl2yˇ	pчπфђ	тчπфђ	тчπmђ		5ŜтfŜŏűůl2yˇ	пчπmђ	pчπcђ	pчπmђ
нр	{úÙŜăă	пчπтђ	пчπтђ	pчπmђ	сл	{úÙŜăă	нчπммђ	нчπммђ	oчππђ
	5ŜтfŜŏűůl2yˇ	pчππђ	тчπнђ	cчπтђ		5ŜтfŜŏűůl2yˇ	пчπлђ	pчπpђ	пчπммђ
ол	{úÙŜăă	пчπнђ	пчπнђ	пчπуђ	ср	{úÙŜăă	нчπмлђ	нчπмлђ	oчπнђ
	5ŜтfŜŏűůl2yˇ	pчππђ	cчπфђ	cчπoђ		5ŜтfŜŏűůl2yˇ	oчπммђ	pчπoђ	пчπмлђ
ор	{úÙŜăă	oчπмлђ	oчπмлђ	пчππђ	тл	{úÙŜăă	нчπфђ	нчπфђ	oчπmђ
	5ŜтfŜŏűůl2yˇ	пчπфђ	cчπpђ	pчπммђ		5ŜтfŜŏűůl2yˇ	oчπфђ	pчπmђ	пчπуђ
пл	{úÙŜăă	oчπтђ	oчπтђ	пчплђ	тр	{úÙŜăă	нчπуђ	нчπуђ	нчπммђ
	5ŜтfŜŏűůl2yˇ	пчπтђ	cчπнђ	pчπуђ		5ŜтfŜŏűůl2yˇ	oчπуђ	pчплђ	пчπтђ
пр	{úÙŜăă	oчπpђ	oчπpђ	oчπмлђ	ул	{úÙŜăă	нчπтђ	нчπтђ	нчπмлђ
	5ŜтfŜŏűůl2yˇ	пчπpђ	pчπммђ	pчπpђ		5ŜтfŜŏűůl2yˇ	oчπтђ	пчπммђ	пчπcђ
рл	{úÙŜăă	oчπoђ	oчπoђ	oчπтђ	ур	{úÙŜăă	нчπcђ	нчπcђ	нчπфђ
	5ŜтfŜŏűůl2yˇ	пчπoђ	pчπфђ	pчπoђ		5ŜтfŜŏűůl2yˇ	oчπтђ	пчπфђ	пчπpђ

See page 3 for standard notes

MX-8
Aluminum Perforated

0.050 in

Ix: 0.1004 in^4/ft
Sx: 0.1085 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-8"	4'-8"	5'-2"	55	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	3'-9"	5'-1"	4'-8"
25	Stress	4'-2"	4'-2"	4'-8"	60	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	3'-8"	5'-0"	4'-7"
30	Stress	3'-10"	3'-10"	4'-3"	65	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-7"	4'-10"	4'-5"
35	Stress	3'-6"	3'-6"	3'-11"	70	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-6"	4'-9"	4'-4"
40	Stress	3'-4"	3'-4"	3'-8"	75	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-2"	5'-8"	5'-3"		Deflection	3'-5"	4'-7"	4'-3"
45	Stress	3'-1"	3'-1"	3'-6"	80	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-4"	4'-6"	4'-2"
50	Stress	2'-11"	2'-11"	3'-4"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-3"	4'-5"	4'-1"

MX-8
Aluminum Perforated

0.050 in

Ix: 0.0664 in^4/ft
Sx: 0.0815 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
нл	{ǘ№Ŝăă	п⁴πлЬ	п⁴πлЬ	п⁴πсЬ	рр	{ǘ№Ŝăă	н⁴πрЬ	н⁴πрЬ	н⁴πфЬ
	5Ŝ₮ƒŜÕǘλƨƴ	п⁴πтЬ	с⁴πоЬ	р⁴πфЬ		5Ŝ₮ƒŜÕǘλƨƴ	о⁴πпЬ	п⁴πрЬ	п⁴πмЬ
нр	{ǘ№Ŝăă	о⁴πтЬ	о⁴πтЬ	п⁴πлЬ	сл	{ǘ№Ŝăă	н⁴πпЬ	н⁴πпЬ	н⁴πтЬ
	5Ŝ₮ƒŜÕǘλƨƴ	п⁴πоЬ	р⁴πфЬ	р⁴πпЬ		5Ŝ₮ƒŜÕǘλƨƴ	о⁴πнЬ	п⁴πпЬ	п⁴πлЬ
ол	{ǘ№Ŝăă	о⁴πпЬ	о⁴πпЬ	о⁴πуЬ	ср	{ǘ№Ŝăă	н⁴πоЬ	н⁴πоЬ	н⁴πсЬ
	5Ŝ₮ƒŜÕǘλƨƴ	п⁴πлЬ	р⁴πрЬ	р⁴πлЬ		5Ŝ₮ƒŜÕǘλƨƴ	о⁴πмЬ	п⁴πнЬ	о⁴πмлЬ
ор	{ǘ№Ŝăă	о⁴πмЬ	о⁴πмЬ	о⁴πрЬ	тл	{ǘ№Ŝăă	н⁴πнЬ	н⁴πнЬ	н⁴πрЬ
	5Ŝ₮ƒŜÕǘλƨƴ	о⁴πмлЬ	р⁴πнЬ	п⁴πфЬ		5Ŝ₮ƒŜÕǘλƨƴ	о⁴πлЬ	п⁴πмЬ	о⁴πфЬ
пл	{ǘ№Ŝăă	н⁴πмлЬ	н⁴πмлЬ	о⁴πнЬ	тр	{ǘ№Ŝăă	н⁴πмЬ	н⁴πмЬ	н⁴πпЬ
	5Ŝ₮ƒŜÕǘλƨƴ	о⁴πуЬ	п⁴πммЬ	п⁴πтЬ		5Ŝ₮ƒŜÕǘλƨƴ	о⁴πлЬ	п⁴πлЬ	о⁴πуЬ
пр	{ǘ№Ŝăă	н⁴πуЬ	н⁴πуЬ	о⁴πлЬ	ул	{ǘ№Ŝăă	н⁴πлЬ	н⁴πлЬ	н⁴πоЬ
	5Ŝ₮ƒŜÕǘλƨƴ	о⁴πсЬ	п⁴πфЬ	п⁴πпЬ		5Ŝ₮ƒŜÕǘλƨƴ	н⁴πммЬ	о⁴πммЬ	о⁴πтЬ
рл	{ǘ№Ŝăă	н⁴πтЬ	н⁴πтЬ	н⁴πмлЬ	ур	{ǘ№Ŝăă	м⁴πммЬ	м⁴πммЬ	н⁴πнЬ
	5Ŝ₮ƒŜÕǘλƨƴ	о⁴πрЬ	п⁴πтЬ	п⁴πоЬ		5Ŝ₮ƒŜÕǘλƨƴ	н⁴πмлЬ	о⁴πмлЬ	о⁴πсЬ

See page 3 for standard notes

Load / Span Data

MX-9
Aluminum Perforated

0.040 in

Ix: 0.2038 in^4/ft
Sx: 0.237 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-11"	6'-11"	7'-8"	55	Stress	4'-2"	4'-2"	4'-8"
	Deflection	6'-8"	9'-1"	8'-4"		Deflection	4'-9"	6'-6"	5'-11"
25	Stress	6'-2"	6'-2"	6'-11"	60	Stress	4'-0"	4'-0"	4'-5"
	Deflection	6'-3"	8'-5"	7'-9"		Deflection	4'-8"	6'-3"	5'-9"
30	Stress	5'-7"	5'-7"	6'-3"	65	Stress	3'-10"	3'-10"	4'-3"
	Deflection	5'-10"	7'-11"	7'-3"		Deflection	4'-6"	6'-1"	5'-7"
35	Stress	5'-2"	5'-2"	5'-10"	70	Stress	3'-8"	3'-8"	4'-1"
	Deflection	5'-7"	7'-6"	6'-11"		Deflection	4'-5"	6'-0"	5'-6"
40	Stress	4'-10"	4'-10"	5'-5"	75	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-4"	5'-10"	5'-4"
45	Stress	4'-7"	4'-7"	5'-2"	80	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	4'-3"	5'-8"	5'-3"
50	Stress	4'-4"	4'-4"	4'-10"	85	Stress	3'-4"	3'-4"	3'-9"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	4'-2"	5'-7"	5'-2"

MX-9
Aluminum Perforated

0.040 in

Ix: 0.154 in^4/ft
Sx: 0.1769 in^3/ft
Perforation: 23%

[2I·Ř LJăŦ		{ƛyƎfŜ {LJI·ƴ óŦűú	52dzōfŜ {LJI·ƴ óŦűú	¢NJƛLJfŜ {LJI·ƴ óŦűú	[2I·Ř LJăŦ		{ƛyƎfŜ {LJI·ƴ óŦűú	52dzōfŜ {LJI·ƴ óŦűú	¢NJƛLJfŜ {LJI·ƴ óŦűú
20	Stress	5'-11"	5'-11"	6'-8"	55	Stress	3'-7"	3'-7"	4'-0"
	Deflection	6'-1"	8'-3"	7'-7"		Deflection	4'-4"	5'-11"	5'-5"
25	Stress	5'-4"	5'-4"	5'-11"	60	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-3"	5'-9"	5'-3"
30	Stress	4'-10"	4'-10"	5'-5"	65	Stress	3'-4"	3'-4"	3'-8"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-2"	5'-7"	5'-1"
35	Stress	4'-6"	4'-6"	5'-0"	70	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-1"	6'-10"	6'-3"		Deflection	4'-0"	5'-5"	5'-0"
40	Stress	4'-2"	4'-2"	4'-8"	75	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	3'-11"	5'-4"	4'-11"
45	Stress	4'-0"	4'-0"	4'-5"	80	Stress	3'-0"	3'-0"	3'-4"
	Deflection	4'-8"	6'-4"	5'-9"		Deflection	3'-10"	5'-2"	4'-9"
50	Stress	3'-9"	3'-9"	4'-2"	85	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-9"	5'-1"	4'-8"

See page 3 for standard notes

MX-9
Aluminum Perforated

0.040 in

Ix: 0.1269 in^4/ft
Sx: 0.1514 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-6"	5'-6"	6'-2"	55	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-1"	5'-6"	5'-1"
25	Stress	4'-11"	4'-11"	5'-6"	60	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-0"	5'-4"	4'-11"
30	Stress	4'-6"	4'-6"	5'-0"	65	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	3'-10"	5'-3"	4'-10"
35	Stress	4'-2"	4'-2"	4'-8"	70	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-9"	5'-1"	4'-8"
40	Stress	3'-11"	3'-11"	4'-4"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-8"	5'-0"	4'-7"
45	Stress	3'-8"	3'-8"	4'-1"	80	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-7"	4'-10"	4'-6"
50	Stress	3'-6"	3'-6"	3'-11"	85	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-6"	4'-9"	4'-5"

MX-9
Aluminum Perforated

0.040 in

Ix: 0.115 in^4/ft
Sx: 0.1415 in^3/ft
Perforation: 33%

[2I·Ř LJăŦ		{ƛy∃fŜ {LJI·ƴ óŦǘú	52dzōfŜ {LJI·ƴ óŦǘú	¢NJƛLJfŜ {LJI·ƴ óŦǘú	[2I·Ř LJăŦ		{ƛy∃fŜ {LJI·ƴ óŦǘú	52dzōfŜ {LJI·ƴ óŦǘú	¢NJƛLJfŜ {LJI·ƴ óŦǘú
20	Stress	5'-4"	5'-4"	5'-11"	55	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-7"	7'-6"	6'-10"		Deflection	3'-11"	5'-4"	4'-11"
25	Stress	4'-9"	4'-9"	5'-4"	60	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	3'-10"	5'-2"	4'-9"
30	Stress	4'-4"	4'-4"	4'-10"	65	Stress	2'-11"	2'-11"	3'-4"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-9"	5'-1"	4'-8"
35	Stress	4'-0"	4'-0"	4'-6"	70	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-7"	6'-3"	5'-8"		Deflection	3'-8"	4'-11"	4'-6"
40	Stress	3'-9"	3'-9"	4'-2"	75	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-5"	5'-11"	5'-5"		Deflection	3'-7"	4'-10"	4'-5"
45	Stress	3'-7"	3'-7"	4'-0"	80	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-6"	4'-9"	4'-4"
50	Stress	3'-4"	3'-4"	3'-9"	85	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-1"	5'-6"	5'-1"		Deflection	3'-5"	4'-7"	4'-3"

See page 3 for standard notes

Load / Span Data

MX-9
Aluminum Perforated

0.040 in

Ix: 0.0902 in^4/ft
Sx: 0.1178 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-10"	4'-10"	5'-5"	55	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-8"	4'-11"	4'-6"
25	Stress	4'-4"	4'-4"	4'-10"	60	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-7"	4'-9"	4'-5"
30	Stress	4'-0"	4'-0"	4'-5"	65	Stress	2'-8"	2'-8"	3'-0"
	Deflection	4'-6"	6'-0"	5'-6"		Deflection	3'-5"	4'-8"	4'-3"
35	Stress	3'-8"	3'-8"	4'-1"	70	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-4"	4'-7"	4'-2"
40	Stress	3'-5"	3'-5"	3'-10"	75	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-3"	4'-5"	4'-1"
45	Stress	3'-3"	3'-3"	3'-7"	80	Stress	2'-5"	2'-5"	2'-9"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-3"	4'-4"	4'-0"
50	Stress	3'-1"	3'-1"	3'-5"	85	Stress	2'-4"	2'-4"	2'-8"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-2"	4'-3"	3'-11"

MX-9
Aluminum Perforated

0.040 in

Ix: 0.0597 in^4/ft
Sx: 0.0884 in^3/ft
Perforation: 51%

[2I·Ř LJăŤ		{ΛyƎfŜ {LJI·y´ óŤűú	52dzōfŜ {LJI·y´ óŤűú	¢ⓂⒶLJfŜ {LJI·y´ óŤűú	[2I·Ř LJăŤ		{ΛyƎfŜ {LJI·y´ óŤűú	52dzōfŜ {LJI·y´ óŤűú	¢ⓂⒶLJfŜ {LJI·y´ óŤűú
нл	{úⓂŜăă	п⁴πнђ	п⁴πнђ	п⁴πуђ	рр	{úⓂŜăă	н⁴πсђ	н⁴πсђ	н⁴πмлђ
	5ŜŤfŜŐúλ2ў	п⁴πрђ	с⁴πлђ	р⁴πсђ		5ŜŤfŜŐúλ2ў	о⁴πнђ	п⁴πпђ	о⁴πммђ
нр	{úⓂŜăă	о⁴πфђ	о⁴πфђ	п⁴πнђ	сл	{úⓂŜăă	н⁴πрђ	н⁴πрђ	н⁴πфђ
	5ŜŤfŜŐúλ2ў	п⁴πнђ	р⁴ппђ	р⁴πнђ		5ŜŤfŜŐúλ2ў	о⁴πмђ	п⁴πнђ	о⁴πмлђ
ол	{úⓂŜăă	о⁴πрђ	о⁴πрђ	о⁴πмлђ	ср	{úⓂŜăă	н⁴ппђ	н⁴ппђ	н⁴птђ
	5ŜŤfŜŐúλ2ў	о⁴πммђ	р⁴пођ	п⁴πмлђ		5ŜŤfŜŐúλ2ў	о⁴плђ	п⁴πмђ	о⁴πфђ
ор	{úⓂŜăă	о⁴πнђ	о⁴πнђ	о⁴πтђ	тл	{úⓂŜăă	н⁴пођ	н⁴пођ	н⁴πсђ
	5ŜŤfŜŐúλ2ў	о⁴пуђ	р⁴плђ	п⁴πтђ		5ŜŤfŜŐúλ2ў	н⁴πммђ	п⁴плђ	о⁴пуђ
пл	{úⓂŜăă	о⁴плђ	о⁴плђ	о⁴ппђ	тр	{úⓂŜăă	н⁴πнђ	н⁴πнђ	н⁴πрђ
	5ŜŤfŜŐúλ2ў	о⁴πсђ	п⁴πфђ	п⁴πрђ		5ŜŤfŜŐúλ2ў	н⁴πмлђ	о⁴πмлђ	о⁴πтђ
пр	{úⓂŜăă	н⁴πмлђ	н⁴πмлђ	о⁴πнђ	ул	{úⓂŜăă	н⁴πмђ	н⁴πмђ	н⁴ппђ
	5ŜŤfŜŐúλ2ў	о⁴πрђ	п⁴πтђ	п⁴пођ		5ŜŤfŜŐúλ2ў	н⁴πмлђ	о⁴πфђ	о⁴πсђ
рл	{úⓂŜăă	н⁴пуђ	н⁴пуђ	о⁴плђ	ур	{úⓂŜăă	н⁴плђ	н⁴плђ	н⁴пођ
	5ŜŤfŜŐúλ2ў	о⁴пођ	п⁴πрђ	п⁴πмђ		5ŜŤfŜŐúλ2ў	н⁴πфђ	о⁴πфђ	о⁴πрђ

See page 3 for standard notes

MX-9
Aluminum Perforated

0.050 in

Ix: 0.2552 in^4/ft
Sx: 0.2953 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-8"	7'-8"	8'-7"	55	Stress	4'-8"	4'-8"	5'-2"
	Deflection	7'-3"	9'-9"	9'-0"		Deflection	5'-2"	7'-0"	6'-5"
25	Stress	6'-10"	6'-10"	7'-8"	60	Stress	4'-5"	4'-5"	5'-0"
	Deflection	6'-9"	9'-1"	8'-4"		Deflection	5'-0"	6'-9"	6'-3"
30	Stress	6'-3"	6'-3"	7'-0"	65	Stress	4'-3"	4'-3"	4'-9"
	Deflection	6'-4"	8'-6"	7'-10"		Deflection	4'-11"	6'-7"	6'-1"
35	Stress	5'-10"	5'-10"	6'-6"	70	Stress	4'-1"	4'-1"	4'-7"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-9"	6'-5"	5'-11"
40	Stress	5'-5"	5'-5"	6'-1"	75	Stress	4'-0"	4'-0"	4'-5"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-8"	6'-3"	5'-9"
45	Stress	5'-1"	5'-1"	5'-9"	80	Stress	3'-10"	3'-10"	4'-4"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-7"	6'-2"	5'-8"
50	Stress	4'-10"	4'-10"	5'-5"	85	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-6"	6'-0"	5'-6"

MX-9
Aluminum Perforated

0.050 in

Ix: 0.1929 in^4/ft
Sx: 0.2204 in^3/ft
Perforation: 23%

[2I·Ř LJăŤ		{ΛγƎfŜ {LJI·y´ ȯŤΰύ	52ʤzōfŜ {LJI·y´ ȯŤΰύ	¢ⓂⓂLJfŜ {LJI·y´ ȯŤΰύ	[2I·Ř LJăŤ		{ΛγƎfŜ {LJI·y´ ȯŤΰύ	52ʤzōfŜ {LJI·y´ ȯŤΰύ	¢ⓂⓂLJfŜ {LJI·y´ ȯŤΰύ
нл	{ΰύⓂŜăă	cчπyђ	cчπyђ	тчpђ	pp	{ΰύⓂŜăă	пчπлђ	пчπлђ	пчπcђ
	5ŜŤfŜŐΰύ2y´	cчπтђ	yчπммђ	yчπнђ		5ŜŤfŜŐΰύ2y´	пчπyђ	cчπпђ	pчπмлђ
нр	{ΰύⓂŜăă	pчπммђ	pчπммђ	cчπyђ	сл	{ΰύⓂŜăă	oчπмлђ	oчπмлђ	пчπoђ
	5ŜŤfŜŐΰύ2y´	cчπмђ	yчπoђ	тчπтђ		5ŜŤfŜŐΰύ2y´	пчπтђ	cчπнђ	pчπyђ
ол	{ΰύⓂŜăă	pчπpђ	pчπpђ	cчπмђ	ср	{ΰύⓂŜăă	oчπyђ	oчπyђ	пчπмђ
	5ŜŤfŜŐΰύ2y´	pчπфђ	тчπфђ	тчπнђ		5ŜŤfŜŐΰύ2y´	пчπpђ	cчπлђ	pчπcђ
ор	{ΰύⓂŜăă	pчπлђ	pчπлђ	pчπтђ	тл	{ΰύⓂŜăă	oчπтђ	oчπтђ	пчπлђ
	5ŜŤfŜŐΰύ2y´	pчπcђ	тчπpђ	cчπфђ		5ŜŤfŜŐΰύ2y´	пчπпђ	pчπмлђ	pчπpђ
пл	{ΰύⓂŜăă	пчπyђ	пчπyђ	pчπoђ	тр	{ΰύⓂŜăă	oчπpђ	oчπpђ	oчπмлђ
	5ŜŤfŜŐΰύ2y´	pчπoђ	тчπмђ	cчπcђ		5ŜŤfŜŐΰύ2y´	пчπoђ	pчπфђ	pчπoђ
пр	{ΰύⓂŜăă	пчπpђ	пчπpђ	пчπммђ	ул	{ΰύⓂŜăă	oчπпђ	oчπпђ	oчπфђ
	5ŜŤfŜŐΰύ2y´	pчπлђ	cчπфђ	cчπoђ		5ŜŤfŜŐΰύ2y´	пчπнђ	pчπтђ	pчπнђ
рл	{ΰύⓂŜăă	пчπнђ	пчπнђ	пчπyђ	ур	{ΰύⓂŜăă	oчπoђ	oчπoђ	oчπтђ
	5ŜŤfŜŐΰύ2y´	пчπмлђ	cчπтђ	cчπлђ		5ŜŤfŜŐΰύ2y´	пчπмђ	pчπcђ	pчπмђ

See page 3 for standard notes

Load / Span Data

MX-9
Aluminum Perforated

0.050 in

Ix: 0.159 in^4/ft
Sx: 0.1886 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-2"	6'-2"	6'-10"	55	Stress	3'-8"	3'-8"	4'-2"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	4'-5"	5'-11"	5'-6"
25	Stress	5'-6"	5'-6"	6'-2"	60	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-3"	5'-9"	5'-4"
30	Stress	5'-0"	5'-0"	5'-7"	65	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-5"	7'-3"	6'-8"		Deflection	4'-2"	5'-8"	5'-2"
35	Stress	4'-8"	4'-8"	5'-2"	70	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	4'-1"	5'-6"	5'-1"
40	Stress	4'-4"	4'-4"	4'-10"	75	Stress	3'-2"	3'-2"	3'-7"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	4'-0"	5'-4"	4'-11"
45	Stress	4'-1"	4'-1"	4'-7"	80	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-9"	6'-4"	5'-10"		Deflection	3'-11"	5'-3"	4'-10"
50	Stress	3'-11"	3'-11"	4'-4"	85	Stress	3'-0"	3'-0"	3'-4"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-10"	5'-2"	4'-9"

MX-9
Aluminum Perforated

0.050 in

Ix: 0.144 in^4/ft
Sx: 0.1763 in^3/ft
Perforation: 33%

[2I·Ř LJăŤ		{ΛγƎfŜ {LJI·y´ óŤűú	52ȡžõfŜ {LJI·y´ óŤűú	¢ℳ⅄LJfŜ {LJI·y´ óŤűú	[2I·Ř LJăŤ		{ΛγƎfŜ {LJI·y´ óŤűú	52ȡžõfŜ {LJI·y´ óŤűú	¢ℳ⅄LJfŜ {LJI·y´ óŤűú
нл	{ú℅Ŝăă	pчπммђ	pчπммђ	cчπyђ	рр	{ú℅Ŝăă	oчπтђ	oчπтђ	пчπлђ
	5ŜŤfŜÔúł2y´	cчπлђ	yчπмђ	тчπpђ		5ŜŤfŜÔúł2y´	пчπoђ	pчπфђ	pчπoђ
нр	{ú℅Ŝăă	pчπпђ	pчπпђ	pчπммђ	сл	{ú℅Ŝăă	oчπpђ	oчπpђ	oчπмлђ
	5ŜŤfŜÔúł2y´	pчπтђ	тчπcђ	cчπммђ		5ŜŤfŜÔúł2y´	пчπнђ	pчπтђ	pчπнђ
ол	{ú℅Ŝăă	пчπмлђ	пчπмлђ	pчπpђ	ср	{ú℅Ŝăă	oчππђ	oчππђ	oчπyђ
	5ŜŤfŜÔúł2y´	pчπoђ	тчπмђ	cчπcђ		5ŜŤfŜÔúł2y´	пчπлђ	pчπpђ	pчπлђ
ор	{ú℅Ŝăă	пчπcђ	пчπcђ	pчπлђ	тл	{ú℅Ŝăă	oчπнђ	oчπнђ	oчπтђ
	5ŜŤfŜÔúł2y´	pчπлђ	cчπyђ	cчπнђ		5ŜŤfŜÔúł2y´	oчπммђ	pчππђ	пчπммђ
пл	{ú℅Ŝăă	пчπнђ	пчπнђ	пчπyђ	тр	{ú℅Ŝăă	oчπмђ	oчπмђ	oчπpђ
	5ŜŤfŜÔúł2y´	пчπфђ	cчπpђ	pчπммђ		5ŜŤfŜÔúł2y´	oчπмлђ	pчπнђ	пчπфђ
пр	{ú℅Ŝăă	пчπлђ	пчπлђ	пчπpђ	ул	{ú℅Ŝăă	oчπлђ	oчπлђ	oчππђ
	5ŜŤfŜÔúł2y´	пчπтђ	cчπнђ	pчπyђ		5ŜŤfŜÔúł2y´	oчπфђ	pчπмђ	пчπyђ
рл	{ú℅Ŝăă	oчπфђ	oчπфђ	пчπнђ	ур	{ú℅Ŝăă	нчπммђ	нчπммђ	oчπoђ
	5ŜŤfŜÔúł2y´	пчπpђ	pчπммђ	pчπcђ		5ŜŤfŜÔúł2y´	oчπyђ	pчπлђ	пчπтђ

See page 3 for standard notes

MX-9
Aluminum Perforated

0.050 in

Ix: 0.113 in^4/ft
Sx: 0.1468 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-5"	5'-5"	6'-1"	55	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	3'-11"	5'-4"	4'-11"
25	Stress	4'-10"	4'-10"	5'-5"	60	Stress	3'-2"	3'-2"	3'-6"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-10"	5'-2"	4'-9"
30	Stress	4'-5"	4'-5"	4'-11"	65	Stress	3'-0"	3'-0"	3'-4"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-9"	5'-0"	4'-7"
35	Stress	4'-1"	4'-1"	4'-7"	70	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-8"	4'-11"	4'-6"
40	Stress	3'-10"	3'-10"	4'-3"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-7"	4'-9"	4'-5"
45	Stress	3'-7"	3'-7"	4'-0"	80	Stress	2'-9"	2'-9"	3'-0"
	Deflection	4'-2"	5'-8"	5'-3"		Deflection	3'-6"	4'-8"	4'-4"
50	Stress	3'-5"	3'-5"	3'-10"	85	Stress	2'-8"	2'-8"	2'-11"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-5"	4'-7"	4'-3"

MX-9
Aluminum Perforated

0.050 in

Ix: 0.0747 in^4/ft
Sx: 0.1102 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-8"	4'-8"	5'-3"	55	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-10"	6'-6"	5'-11"		Deflection	3'-5"	4'-8"	4'-3"
25	Stress	4'-2"	4'-2"	4'-8"	60	Stress	2'-9"	2'-9"	3'-0"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-4"	4'-6"	4'-2"
30	Stress	3'-10"	3'-10"	4'-3"	65	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-3"	4'-5"	4'-0"
35	Stress	3'-7"	3'-7"	4'-0"	70	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	3'-2"	4'-3"	3'-11"
40	Stress	3'-4"	3'-4"	3'-9"	75	Stress	2'-5"	2'-5"	2'-9"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-1"	4'-2"	3'-10"
45	Stress	3'-2"	3'-2"	3'-6"	80	Stress	2'-4"	2'-4"	2'-7"
	Deflection	3'-8"	4'-11"	4'-7"		Deflection	3'-0"	4'-1"	3'-9"
50	Stress	3'-0"	3'-0"	3'-4"	85	Stress	2'-3"	2'-3"	2'-7"
	Deflection	3'-6"	4'-9"	4'-5"		Deflection	3'-0"	4'-0"	3'-8"

See page 3 for standard notes

Load / Span Data

MX-10
Aluminum Perforated

0.040 in

Ix: 0.2015 in^4/ft
Sx: 0.2259 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-9"	6'-9"	7'-6"	55	Stress	4'-1"	4'-1"	4'-6"
	Deflection	6'-8"	9'-0"	8'-3"		Deflection	4'-9"	6'-5"	5'-11"
25	Stress	6'-0"	6'-0"	6'-9"	60	Stress	3'-11"	3'-11"	4'-4"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	4'-8"	6'-3"	5'-9"
30	Stress	5'-6"	5'-6"	6'-2"	65	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-10"	7'-11"	7'-3"		Deflection	4'-6"	6'-1"	5'-7"
35	Stress	5'-1"	5'-1"	5'-8"	70	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-7"	7'-6"	6'-11"		Deflection	4'-5"	5'-11"	5'-5"
40	Stress	4'-9"	4'-9"	5'-4"	75	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-4"	5'-10"	5'-4"
45	Stress	4'-6"	4'-6"	5'-0"	80	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	4'-3"	5'-8"	5'-3"
50	Stress	4'-3"	4'-3"	4'-9"	85	Stress	3'-3"	3'-3"	3'-8"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	4'-2"	5'-7"	5'-1"

MX-10
Aluminum Perforated

0.040 in

Ix: 0.1522 in^4/ft
Sx: 0.1688 in^3/ft
Perforation: 23%

[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y´ ó ŤűúŤ	52dzōfŜ {LJl·y´ ó ŤűúŤ	₵₩ŁLJfŜ {LJl·y´ ó ŤűúŤ	[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y´ ó ŤűúŤ	52dzōfŜ {LJl·y´ ó ŤűúŤ	₵₩ŁLJfŜ {LJl·y´ ó ŤűúŤ
нл	{úŭŜăă	p⁴πмлђ	p⁴πмлђ	c⁴πcђ	pp	{úŭŜăă	o⁴πcђ	o⁴πcђ	o⁴πммђ
	5ŜŤfŜÔúλ2y´	c⁴πмђ	y⁴πoђ	т⁴πтђ		5ŜŤfŜÔúλ2y´	п⁴ппђ	p⁴πмлђ	p⁴πpђ
нр	{úŭŜăă	p⁴πнђ	p⁴πнђ	p⁴πмлђ	сл	{úŭŜăă	o⁴ппђ	o⁴ппђ	o⁴πфђ
	5ŜŤfŜÔúλ2y´	p⁴πyђ	т⁴πyђ	т⁴πлђ		5ŜŤfŜÔúλ2y´	п⁴πoђ	p⁴πyђ	p⁴πoђ
ол	{úŭŜăă	п⁴πфђ	п⁴πфђ	p⁴πпђ	ср	{úŭŜăă	o⁴πoђ	o⁴πoђ	o⁴πтђ
	5ŜŤfŜÔúλ2y´	p⁴ппђ	т⁴πнђ	c⁴πтђ		5ŜŤfŜÔúλ2y´	п⁴πмђ	p⁴πтђ	p⁴πмђ
ор	{úŭŜăă	п⁴πpђ	п⁴πpђ	п⁴πммђ	тл	{úŭŜăă	o⁴πмђ	o⁴πмђ	o⁴πcђ
	5ŜŤfŜÔúλ2y´	p⁴πмђ	c⁴πмлђ	c⁴πoђ		5ŜŤfŜÔúλ2y´	п⁴πлђ	p⁴πpђ	p⁴πлђ
пл	{úŭŜăă	п⁴πмђ	п⁴πмђ	п⁴πтђ	тр	{úŭŜăă	o⁴πлђ	o⁴πлђ	o⁴ппђ
	5ŜŤfŜÔúλ2y´	п⁴πмлђ	c⁴πcђ	c⁴πлђ		5ŜŤfŜÔúλ2y´	o⁴πммђ	p⁴πoђ	п⁴πмлђ
пр	{úŭŜăă	o⁴πмлђ	o⁴πмлђ	п⁴ппђ	ул	{úŭŜăă	н⁴πммђ	н⁴πммђ	o⁴πoђ
	5ŜŤfŜÔúλ2y´	п⁴πyђ	c⁴πoђ	p⁴πфђ		5ŜŤfŜÔúλ2y´	o⁴πмлђ	p⁴πнђ	п⁴πфђ
рл	{úŭŜăă	o⁴πyђ	o⁴πyђ	п⁴πмђ	ур	{úŭŜăă	н⁴πмлђ	н⁴πмлђ	o⁴πнђ
	5ŜŤfŜÔúλ2y´	п⁴πcђ	c⁴πмђ	p⁴πтђ		5ŜŤfŜÔúλ2y´	o⁴πфђ	p⁴πмђ	п⁴πyђ

See page 3 for standard notes

MX-10
Aluminum Perforated

0.040 in

Ix: 0.1255 in^4/ft
Sx: 0.1443 in^3/ft
Perforation: 30%

[2I·Ř LJăŤ		{ʎy∃ŧŜ {LJI·y´ óŤűú	52ʤōfŜ {LJI·y´ óŤűú	¢ⓌⓁLJfŜ {LJI·y´ óŤűú	[2I·Ř LJăŤ		{ʎy∃ŧŜ {LJI·y´ óŤűú	52ʤōfŜ {LJI·y´ óŤűú	¢ⓌⓁLJfŜ {LJI·y´ óŤűú
нл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	p⁴πnђ p⁴πyђ	p⁴πnђ т⁴πyђ	c⁴πлђ т⁴πмђ	рр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πoђ n⁴πмђ	o⁴πoђ p⁴πcђ	o⁴πтђ p⁴πмђ
нр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	n⁴πмлђ p⁴πnђ	n⁴πмлђ т⁴πнђ	p⁴πnђ c⁴πтђ	сл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πмђ o⁴πммђ	o⁴πмђ p⁴πnђ	o⁴πcђ n⁴πммђ
ол	{úⓌŜăă 5ŜŤfŜŎúλ2y´	n⁴πpђ p⁴πлђ	n⁴πpђ c⁴πфђ	n⁴πммђ c⁴πнђ	ср	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πмнђ o⁴πмлђ	н⁴πмнђ p⁴πнђ	o⁴πnђ n⁴πфђ
ор	{úⓌŜăă 5ŜŤfŜŎúλ2y´	n⁴πмђ n⁴πфђ	n⁴πмђ c⁴πpђ	n⁴πcђ p⁴πмлђ	тл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πмлђ o⁴πфђ	н⁴πмлђ p⁴πмђ	o⁴πoђ n⁴πyђ
пл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πмлђ n⁴πcђ	o⁴πмлђ c⁴πмђ	n⁴πoђ p⁴πтђ	тр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πфђ o⁴πyђ	н⁴πфђ p⁴πлђ	o⁴πмђ n⁴πтђ
пр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πтђ n⁴πnђ	o⁴πтђ p⁴πммђ	n⁴πлђ p⁴πpђ	ул	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πyђ o⁴πтђ	н⁴πyђ n⁴πмлђ	o⁴πлђ n⁴πpђ
рл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πpђ n⁴πнђ	o⁴πpђ p⁴πyђ	o⁴πмлђ p⁴πoђ	ур	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πтђ o⁴πcђ	н⁴πтђ n⁴πфђ	н⁴πммђ n⁴πnђ

MX-10
Aluminum Perforated

0.040 in

Ix: 0.1137 in^4/ft
Sx: 0.1349 in^3/ft
Perforation: 33%

[2I·Ř LJăŤ		{ʎy∃ŧŜ {LJI·y´ óŤűú	52ʤōfŜ {LJI·y´ óŤűú	¢ⓌⓁLJfŜ {LJI·y´ óŤűú	[2I·Ř LJăŤ		{ʎy∃ŧŜ {LJI·y´ óŤűú	52ʤōfŜ {LJI·y´ óŤűú	¢ⓌⓁLJfŜ {LJI·y´ óŤűú
нл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	p⁴πнђ p⁴πcђ	p⁴πнђ т⁴πpђ	p⁴πмлђ c⁴πмлђ	рр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πнђ o⁴πммђ	o⁴πнђ p⁴πnђ	o⁴πcђ n⁴πммђ
нр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	n⁴πyђ p⁴πнђ	n⁴πyђ c⁴πммђ	p⁴πнђ c⁴πnђ	сл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πмнђ o⁴πмлђ	н⁴πмнђ p⁴πнђ	o⁴πnђ n⁴πфђ
ол	{úⓌŜăă 5ŜŤfŜŎúλ2y´	n⁴πoђ n⁴πмлђ	n⁴πoђ c⁴πcђ	n⁴πфђ c⁴πлђ	ср	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πммђ o⁴πфђ	н⁴πммђ p⁴πлђ	o⁴πoђ n⁴πтђ
ор	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πммђ n⁴πтђ	o⁴πммђ c⁴πнђ	n⁴πpђ p⁴πyђ	тл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πфђ o⁴πyђ	н⁴πфђ n⁴πммђ	o⁴πмђ n⁴πcђ
пл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πyђ n⁴πpђ	o⁴πyђ p⁴πммђ	n⁴πмђ p⁴πpђ	тр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πyђ o⁴πтђ	н⁴πyђ n⁴πмлђ	o⁴πлђ n⁴πpђ
пр	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πcђ n⁴πoђ	o⁴πcђ p⁴πyђ	o⁴πмлђ p⁴πoђ	ул	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πтђ o⁴πcђ	н⁴πтђ n⁴πyђ	н⁴πммђ n⁴πnђ
рл	{úⓌŜăă 5ŜŤfŜŎúλ2y´	o⁴πoђ n⁴πмђ	o⁴πoђ p⁴πcђ	o⁴πyђ p⁴πмђ	ур	{úⓌŜăă 5ŜŤfŜŎúλ2y´	н⁴πcђ o⁴πpђ	н⁴πcђ n⁴πтђ	н⁴πмлђ n⁴πoђ

See page 3 for standard notes

Load / Span Data

MX-10
Aluminum Perforated

0.040 in

Ix: 0.0892 in^4/ft
Sx: 0.1123 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-9"	4'-9"	5'-4"	55	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-8"	4'-11"	4'-6"
25	Stress	4'-3"	4'-3"	4'-9"	60	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-9"	6'-5"	5'-10"		Deflection	3'-6"	4'-9"	4'-5"
30	Stress	3'-10"	3'-10"	4'-4"	65	Stress	2'-8"	2'-8"	2'-11"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-5"	4'-8"	4'-3"
35	Stress	3'-7"	3'-7"	4'-0"	70	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-4"	4'-6"	4'-2"
40	Stress	3'-4"	3'-4"	3'-9"	75	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-1"	5'-5"	5'-0"		Deflection	3'-3"	4'-5"	4'-1"
45	Stress	3'-2"	3'-2"	3'-6"	80	Stress	2'-4"	2'-4"	2'-8"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-3"	4'-4"	4'-0"
50	Stress	3'-0"	3'-0"	3'-4"	85	Stress	2'-4"	2'-4"	2'-7"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-2"	4'-3"	3'-11"

MX-10
Aluminum Perforated

0.040 in

Ix: 0.059 in^4/ft
Sx: 0.0843 in^3/ft
Perforation: 51%

[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y´ óŤűú	52dzōfŜ {LJl·y´ óŤűú	¢ⅣⅩLJfŜ {LJl·y´ óŤűú	[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y´ óŤűú	52dzōfŜ {LJl·y´ óŤűú	¢ⅣⅩLJfŜ {LJl·y´ óŤűú
нл	{úŃŜăă	nᵠπмђ	nᵠπмђ	nᵠπтђ	рр	{úŃŜăă	нᵠπсђ	нᵠπсђ	нᵠфђ
	5ŜŤfŜÔűĺ2ў	nᵠπpђ	cᵠπлђ	pᵠπcђ		5ŜŤfŜÔűĺ2ў	oᵠπнђ	nᵠπoђ	oᵠπммђ
нр	{úŃŜăă	oᵠπуђ	oᵠπуђ	nᵠπмђ	сл	{úŃŜăă	нᵠπnђ	нᵠπnђ	нᵠуђ
	5ŜŤfŜÔűĺ2ў	nᵠπмђ	pᵠπтђ	pᵠπмђ		5ŜŤfŜÔűĺ2ў	oᵠπмђ	nᵠπнђ	oᵠπмлђ
ол	{úŃŜăă	oᵠπnђ	oᵠπnђ	oᵠфђ	ср	{úŃŜăă	нᵠπoђ	нᵠπoђ	нᵠтђ
	5ŜŤfŜÔűĺ2ў	oᵠπммђ	pᵠπoђ	nᵠπмлђ		5ŜŤfŜÔűĺ2ў	oᵠπлђ	nᵠπмђ	oᵠфђ
ор	{úŃŜăă	oᵠπмђ	oᵠπмђ	oᵠπcђ	тл	{úŃŜăă	нᵠπнђ	нᵠπнђ	нᵠpђ
	5ŜŤfŜÔűĺ2ў	oᵠπуђ	pᵠπлђ	nᵠπтђ		5ŜŤfŜÔűĺ2ў	нᵠπммђ	oᵠπммђ	oᵠπтђ
пл	{úŃŜăă	нᵠπммђ	нᵠπммђ	oᵠπoђ	тр	{úŃŜăă	нᵠπмђ	нᵠπмђ	нᵠπnђ
	5ŜŤfŜÔűĺ2ў	oᵠπcђ	nᵠπфђ	nᵠπnђ		5ŜŤfŜÔűĺ2ў	нᵠπмлђ	oᵠπмлђ	oᵠπтђ
пр	{úŃŜăă	нᵠπфђ	нᵠπфђ	oᵠπмђ	ул	{úŃŜăă	нᵠπмђ	нᵠπмђ	нᵠπnђ
	5ŜŤfŜÔűĺ2ў	oᵠπpђ	nᵠπтђ	nᵠπнђ		5ŜŤfŜÔűĺ2ў	нᵠπмлђ	oᵠπфђ	oᵠπcђ
рл	{úŃŜăă	нᵠπтђ	нᵠπтђ	нᵠπммђ	ур	{úŃŜăă	мᵠπмнђ	мᵠπмнђ	нᵠoђ
	5ŜŤfŜÔűĺ2ў	oᵠπoђ	nᵠπpђ	nᵠπмђ		5ŜŤfŜÔűĺ2ў	нᵠфђ	oᵠπуђ	oᵠπpђ

See page 3 for standard notes

MX-10
Aluminum Perforated

0.050 in

Ix: 0.2501 in^4/ft
Sx: 0.2794 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-6"	7'-6"	8'-4"	55	Stress	4'-6"	4'-6"	5'-0"
	Deflection	7'-2"	9'-8"	8'-11"		Deflection	5'-2"	6'-11"	6'-4"
25	Stress	6'-8"	6'-8"	7'-6"	60	Stress	4'-4"	4'-4"	4'-10"
	Deflection	6'-8"	9'-0"	8'-3"		Deflection	5'-0"	6'-9"	6'-2"
30	Stress	6'-1"	6'-1"	6'-10"	65	Stress	4'-2"	4'-2"	4'-8"
	Deflection	6'-3"	8'-6"	7'-9"		Deflection	4'-10"	6'-7"	6'-0"
35	Stress	5'-8"	5'-8"	6'-4"	70	Stress	3'-12"	3'-12"	4'-6"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-9"	6'-5"	5'-10"
40	Stress	5'-3"	5'-3"	5'-11"	75	Stress	3'-10"	3'-10"	4'-4"
	Deflection	5'-8"	7'-8"	7'-1"		Deflection	4'-7"	6'-3"	5'-9"
45	Stress	5'-0"	5'-0"	5'-7"	80	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-6"	6'-1"	5'-7"
50	Stress	4'-9"	4'-9"	5'-3"	85	Stress	3'-8"	3'-8"	4'-1"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-5"	6'-0"	5'-6"

MX-10
Aluminum Perforated

0.050 in

Ix: 0.189 in^4/ft
Sx: 0.2085 in^3/ft
Perforation: 23%

[2I·Ř LJăŤ		{ĺyƎfŜ {LJI·y´ ôŤŰú	52dzōfŜ {LJI·y´ ôŤŰú	¢WXLJfŜ {LJI·y´ ôŤŰú	[2I·Ř LJăŤ		{ĺyƎfŜ {LJI·y´ ôŤŰú	52dzōfŜ {LJI·y´ ôŤŰú	¢WXLJfŜ {LJI·y´ ôŤŰú
нл	{úWŜăă	c⁴πpђ	c⁴πpђ	т⁴πoђ	рр	{úWŜăă	o⁴πммђ	o⁴πммђ	п⁴πпђ
	5ŜŤfŜÔúλ2y´	c⁴πтђ	y⁴πмлђ	y⁴πмђ		5ŜŤfŜÔúλ2y´	п⁴πyђ	c⁴πпђ	p⁴πфђ
нр	{úWŜăă	p⁴πфђ	p⁴πфђ	c⁴πpђ	сл	{úWŜăă	o⁴πфђ	o⁴πфђ	п⁴πнђ
	5ŜŤfŜÔúλ2y´	c⁴πмђ	y⁴πнђ	т⁴πcђ		5ŜŤfŜÔúλ2y´	п⁴πcђ	c⁴πмђ	p⁴πтђ
ол	{úWŜăă	p⁴πoђ	p⁴πoђ	p⁴πммђ	ср	{úWŜăă	o⁴πтђ	o⁴πтђ	п⁴πлђ
	5ŜŤfŜÔúλ2y´	p⁴πфђ	т⁴πфђ	т⁴πмђ		5ŜŤfŜÔúλ2y´	п⁴πpђ	c⁴πлђ	p⁴πcђ
ор	{úWŜăă	п⁴πммђ	п⁴πммђ	p⁴πpђ	тл	{úWŜăă	o⁴πpђ	o⁴πpђ	o⁴πмлђ
	5ŜŤfŜÔúλ2y´	p⁴πpђ	т⁴πпђ	c⁴πфђ		5ŜŤfŜÔúλ2y´	п⁴πпђ	p⁴πмлђ	p⁴πпђ
пл	{úWŜăă	п⁴πтђ	п⁴πтђ	p⁴πмђ	тр	{úWŜăă	o⁴πпђ	o⁴πпђ	o⁴πфђ
	5ŜŤfŜÔúλ2y´	p⁴πнђ	т⁴πлђ	c⁴πpђ		5ŜŤfŜÔúλ2y´	п⁴πoђ	p⁴πyђ	p⁴πoђ
пр	{úWŜăă	п⁴πпђ	п⁴πпђ	п⁴πмлђ	ул	{úWŜăă	o⁴πoђ	o⁴πoђ	o⁴πтђ
	5ŜŤfŜÔúλ2y´	p⁴πлђ	c⁴πфђ	c⁴πнђ		5ŜŤfŜÔúλ2y´	п⁴πмђ	p⁴πтђ	p⁴πмђ
рл	{úWŜăă	п⁴πмђ	п⁴πмђ	п⁴πтђ	ур	{úWŜăă	o⁴πнђ	o⁴πнђ	o⁴πcђ
	5ŜŤfŜÔúλ2y´	п⁴πмлђ	c⁴πcђ	c⁴πлђ		5ŜŤfŜÔúλ2y´	п⁴πлђ	p⁴πpђ	p⁴πлђ

See page 3 for standard notes

Load / Span Data

MX-10
Aluminum Perforated

0.050 in

Ix: 0.1558 in^4/ft
Sx: 0.1785 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-0"	6'-0"	6'-8"	55	Stress	3'-7"	3'-7"	4'-0"
	Deflection	6'-2"	8'-3"	7'-7"		Deflection	4'-5"	5'-11"	5'-5"
25	Stress	5'-4"	5'-4"	6'-0"	60	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-8"	7'-8"	7'-1"		Deflection	4'-3"	5'-9"	5'-3"
30	Stress	4'-11"	4'-11"	5'-5"	65	Stress	3'-4"	3'-4"	3'-8"
	Deflection	5'-4"	7'-3"	6'-8"		Deflection	4'-2"	5'-7"	5'-2"
35	Stress	4'-6"	4'-6"	5'-1"	70	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-1"	6'-10"	6'-4"		Deflection	4'-0"	5'-5"	5'-0"
40	Stress	4'-3"	4'-3"	4'-9"	75	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	3'-11"	5'-4"	4'-11"
45	Stress	4'-0"	4'-0"	4'-5"	80	Stress	2'-12"	2'-12"	3'-4"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-10"	5'-3"	4'-9"
50	Stress	3'-9"	3'-9"	4'-3"	85	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-9"	5'-1"	4'-8"

MX-10
Aluminum Perforated

0.050 in

Ix: 0.1411 in^4/ft
Sx: 0.1668 in^3/ft
Perforation: 33%

[2l·Ř Lǰǎť		{ʎyƎfŜ {LJl·y´ ȯŤűú	52ʤzōfŜ {LJl·y´ ȯŤűú	¢ⓂⱾLJfŜ {LJl·y´ ȯŤűú	[2l·Ř Lǰǎť		{ʎyƎfŜ {LJl·y´ ȯŤűú	52ʤzōfŜ {LJl·y´ ȯŤűú	¢ⓂⱾLJfŜ {LJl·y´ ȯŤűú
ол	{úⓃŜää	п⁴π⁄ф♭	п⁴π⁄ф♭	р⁴πо♭	ср	{úⓃŜää	о⁴πн♭	о⁴πн♭	о⁴πт♭
	5Ŝ†fŜÔűƛ2ƴ	р⁴πн♭	т⁴πл♭	с⁴πр♭		5Ŝ†fŜÔűƛ2ƴ	п⁴πл♭	р⁴πр♭	р⁴πл♭
ор	{úⓃŜää	п⁴π⁄п♭	п⁴π⁄п♭	п⁴π⁄ммь	тл	{úⓃŜää	о⁴π⁄м♭	о⁴π⁄м♭	о⁴πр♭
	5Ŝ†fŜÔűƛ2ƴ	п⁴π⁄мм♭	с⁴πу♭	с⁴π⁄м♭		5Ŝ†fŜÔűƛ2ƴ	о⁴π⁄мм♭	р⁴πо♭	п⁴π⁄мл♭
пл	{úⓃŜää	п⁴π⁄м♭	п⁴π⁄м♭	п⁴π⁄т♭	тр	{úⓃŜää	н⁴π⁄мн♭	н⁴π⁄мн♭	о⁴π⁄п♭
	5Ŝ†fŜÔűƛ2ƴ	п⁴π⁄ф♭	с⁴π⁄п♭	р⁴π⁄мл♭		5Ŝ†fŜÔűƛ2ƴ	о⁴π⁄мл♭	р⁴π⁄н♭	п⁴π⁄ф♭
пр	{úⓃŜää	о⁴π⁄мл♭	о⁴π⁄мл♭	п⁴π⁄п♭	ул	{úⓃŜää	н⁴π⁄мм♭	н⁴π⁄мм♭	о⁴π⁄о♭
	5Ŝ†fŜÔűƛ2ƴ	п⁴π⁄с♭	с⁴π⁄м♭	р⁴π⁄т♭		5Ŝ†fŜÔűƛ2ƴ	о⁴π⁄ф♭	р⁴π⁄м♭	п⁴π⁄у♭
рл	{úⓃŜää	о⁴π⁄у♭	о⁴π⁄у♭	п⁴π⁄м♭	ур	{úⓃŜää	н⁴π⁄мл♭	н⁴π⁄мл♭	о⁴π⁄н♭
	5Ŝ†fŜÔűƛ2ƴ	п⁴π⁄п♭	р⁴π⁄мм♭	р⁴π⁄р♭		5Ŝ†fŜÔűƛ2ƴ	о⁴π⁄у♭	п⁴π⁄мм♭	п⁴π⁄т♭
рр	{úⓃŜää	о⁴π⁄с♭	о⁴π⁄с♭	о⁴π⁄мм♭	фл	{úⓃŜää	н⁴π⁄ф♭	н⁴π⁄ф♭	о⁴π⁄м♭
	5Ŝ†fŜÔűƛ2ƴ	п⁴π⁄о♭	р⁴π⁄ф♭	р⁴π⁄о♭		5Ŝ†fŜÔűƛ2ƴ	о⁴π⁄т♭	п⁴π⁄мл♭	п⁴π⁄р♭
сл	{úⓃŜää	о⁴π⁄п♭	о⁴π⁄п♭	о⁴π⁄ф♭	фр	{úⓃŜää	н⁴π⁄у♭	н⁴π⁄у♭	о⁴π⁄л♭
	5Ŝ†fŜÔűƛ2ƴ	п⁴π⁄м♭	р⁴π⁄т♭	р⁴π⁄м♭		5Ŝ†fŜÔűƛ2ƴ	о⁴π⁄с♭	п⁴π⁄ф♭	п⁴π⁄р♭

See page 3 for standard notes

MX-10
Aluminum Perforated

0.050 in

Ix: 0.1108 in^4/ft
Sx: 0.1389 in^3/ft
Perforation: 40%

[2I·Ř LJăŤ		{ʎy∃fŜ {LJI·y´ ȯŤűú	52ʤzōfŜ {LJI·y´ ȯŤűú	¢₥₯LJfŜ {LJI·y´ ȯŤűú	[2I·Ř LJăŤ		{ʎy∃fŜ {LJI·y´ ȯŤűú	52ʤzōfŜ {LJI·y´ ȯŤűú	¢₥₯LJfŜ {LJI·y´ ȯŤűú
нл	{úѠŜăă 5ŜŤfŜŐűλ2y´	р⁴пођ р⁴псђ	р⁴пођ т⁴прђ	р⁴ппмђ с⁴пфђ	рр	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴пнђ о⁴ппмђ	о⁴пнђ р⁴пођ	о⁴птђ п⁴ппмлђ
нр	{úѠŜăă 5ŜŤfŜŐűλ2y´	п⁴пфђ р⁴ппмђ	п⁴пфђ с⁴ппмлђ	р⁴пођ с⁴ппђ	сл	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴ппмђ о⁴ппмлђ	о⁴ппмђ р⁴ппмђ	о⁴прђ п⁴пуђ
ол	{úѠŜăă 5ŜŤfŜŐűλ2y´	п⁴пппђ п⁴пфђ	п⁴пппђ с⁴прђ	п⁴ппмлђ р⁴ппммђ	ср	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴ппммђ о⁴пуђ	н⁴ппммђ р⁴плђ	о⁴пођ п⁴птђ
ор	{úѠŜăă 5ŜŤfŜŐűλ2y´	п⁴плђ п⁴птђ	п⁴плђ с⁴пнђ	п⁴прђ р⁴пуђ	тл	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴ппмлђ о⁴птђ	н⁴ппмлђ п⁴ппмлђ	о⁴пнђ п⁴псђ
пл	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴пфђ п⁴ппђ	о⁴пфђ р⁴ппмлђ	п⁴пнђ р⁴прђ	тр	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴пфђ о⁴псђ	н⁴пфђ п⁴пфђ	о⁴ппмђ п⁴ппђ
пр	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴псђ п⁴пнђ	о⁴псђ р⁴пуђ	о⁴ппммђ р⁴пнђ	ул	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴пуђ о⁴ппрђ	н⁴пуђ п⁴пуђ	н⁴ппммђ п⁴пођ
рл	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴ппђ п⁴плђ	о⁴ппђ р⁴прђ	о⁴пфђ р⁴плђ	ур	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴птђ о⁴ппрђ	н⁴птђ п⁴птђ	н⁴ппмлђ п⁴пнђ

MX-10
Aluminum Perforated

0.050 in

Ix: 0.0732 in^4/ft
Sx: 0.1043 in^3/ft
Perforation: 51%

[2I·Ř LJăŤ		{ʎy∃fŜ {LJI·y´ ȯŤűú	52ʤzōfŜ {LJI·y´ ȯŤűú	¢₥₯LJfŜ {LJI·y´ ȯŤűú	[2I·Ř LJăŤ		{ʎy∃fŜ {LJI·y´ ȯŤűú	52ʤzōfŜ {LJI·y´ ȯŤűú	¢₥₯LJfŜ {LJI·y´ ȯŤűú
нл	{úѠŜăă 5ŜŤfŜŐűλ2y´	п⁴птђ п⁴пфђ	п⁴птђ с⁴прђ	р⁴ппмђ р⁴ппммђ	рр	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴пфђ о⁴прђ	н⁴пфђ п⁴птђ	о⁴ппмђ п⁴пођ
нр	{úѠŜăă 5ŜŤfŜŐűλ2y´	п⁴ппмђ п⁴прђ	п⁴ппмђ с⁴плђ	п⁴птђ р⁴псђ	сл	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴пуђ о⁴ппђ	н⁴пуђ п⁴псђ	н⁴ппммђ п⁴ппмђ
ол	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴пфђ п⁴пнђ	о⁴пфђ р⁴пуђ	п⁴пнђ р⁴пнђ	ср	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴псђ о⁴пођ	н⁴псђ п⁴ппђ	н⁴ппмлђ п⁴плђ
ор	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴прђ о⁴ппммђ	о⁴прђ р⁴ппђ	о⁴ппмлђ п⁴ппммђ	тл	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴прђ о⁴пнђ	н⁴прђ п⁴пођ	н⁴пфђ о⁴ппммђ
пл	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴пођ о⁴пфђ	о⁴пођ р⁴ппмђ	о⁴птђ п⁴пуђ	тр	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴ппђ о⁴ппмђ	н⁴ппђ п⁴пнђ	н⁴пуђ о⁴ппмлђ
пр	{úѠŜăă 5ŜŤfŜŐűλ2y´	о⁴ппмђ о⁴пуђ	о⁴ппмђ п⁴ппммђ	о⁴прђ п⁴псђ	ул	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴пођ о⁴плђ	н⁴пођ п⁴ппмђ	н⁴птђ о⁴пфђ
рл	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴ппммђ о⁴псђ	н⁴ппммђ п⁴пфђ	о⁴пођ п⁴ппђ	ур	{úѠŜăă 5ŜŤfŜŐűλ2y´	н⁴пођ н⁴ппммђ	н⁴пођ п⁴плђ	н⁴псђ о⁴пуђ

See page 3 for standard notes

Load / Span Data

MX-11
Aluminum Perforated

0.040 in

Ix: 0.1732 in^4/ft
Sx: 0.1627 in^3/ft
Perforation: 10%

[2I·Ř LJăŦ		{ƛƴƎƭŜ {LJI·Ƴ óŦΰύ	52dzōƭŜ {LJI·Ƴ óŦΰύ	¢ЖƛLJƭŜ {LJI·Ƴ óŦΰύ	[2I·Ř LJăŦ		{ƛƴƎƭŜ {LJI·Ƴ óŦΰύ	52dzōƭŜ {LJI·Ƴ óŦΰύ	¢ЖƛLJƭŜ {LJI·Ƴ óŦΰύ
нл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	рЧπуЬ сЧπпЬ	рЧπуЬ уЧπтЬ	сЧπрЬ тЧπммЬ	рр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπрЬ пЧπсЬ	оЧπрЬ сЧπмЬ	оЧπмлЬ рЧπтЬ
нр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	рЧπмЬ рЧπммЬ	рЧπмЬ уЧπлЬ	рЧπуЬ тЧπпЬ	сл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπпЬ пЧπрЬ	оЧπпЬ рЧπммЬ	оЧπуЬ рЧπсЬ
ол	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	пЧπуЬ рЧπтЬ	пЧπуЬ тЧπсЬ	рЧπнЬ сЧπммЬ	ср	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπнЬ пЧπоЬ	оЧπнЬ рЧπфЬ	оЧπсЬ рЧπпЬ
ор	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	пЧπпЬ рЧπоЬ	пЧπпЬ тЧπмЬ	пЧπмлЬ сЧπсЬ	тл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπмЬ пЧπнЬ	оЧπмЬ рЧπуЬ	оЧπрЬ рЧπнЬ
пл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	пЧπлЬ рЧπмЬ	пЧπлЬ сЧπмлЬ	пЧπсЬ сЧπоЬ	тр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπммЬ пЧπмЬ	нЧπммЬ рЧπсЬ	оЧπпЬ рЧπмЬ
пр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπмлЬ пЧπмлЬ	оЧπмлЬ сЧπтЬ	пЧπоЬ сЧπлЬ	ул	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπмлЬ пЧπлЬ	нЧπмлЬ рЧπрЬ	оЧπнЬ рЧπлЬ
рл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπтЬ пЧπуЬ	оЧπтЬ сЧπпЬ	пЧπлЬ рЧπмлЬ	ур	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπфЬ оЧπммЬ	нЧπфЬ рЧπпЬ	оЧπмЬ пЧπмлЬ

MX-11
Aluminum Perforated

0.040 in

Ix: 0.1309 in^4/ft
Sx: 0.1214 in^3/ft
Perforation: 23%

[2I·Ř LJăŦ		{ƛƴƎƭŜ {LJI·Ƴ óŦΰύ	52dzōƭŜ {LJI·Ƴ óŦΰύ	¢ЖƛLJƭŜ {LJI·Ƴ óŦΰύ	[2I·Ř LJăŦ		{ƛƴƎƭŜ {LJI·Ƴ óŦΰύ	52dzōƭŜ {LJI·Ƴ óŦΰύ	¢ЖƛLJƭŜ {LJI·Ƴ óŦΰύ
нл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	пЧπммЬ рЧπфЬ	пЧπммЬ тЧπмлЬ	рЧπсЬ тЧπнЬ	рр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπлЬ пЧπнЬ	оЧπлЬ рЧπтЬ	оЧπпЬ рЧπмЬ
нр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	пЧπрЬ рЧπпЬ	пЧπрЬ тЧπоЬ	пЧπммЬ сЧπуЬ	сл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπмлЬ пЧπлЬ	нЧπмлЬ рЧπрЬ	оЧπнЬ рЧπлЬ
ол	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	пЧπлЬ рЧπмЬ	пЧπлЬ сЧπмлЬ	пЧπсЬ сЧπоЬ	ср	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπфЬ оЧπммЬ	нЧπфЬ рЧπоЬ	оЧπмЬ пЧπмлЬ
ор	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπфЬ пЧπмлЬ	оЧπфЬ сЧπсЬ	пЧπнЬ рЧπммЬ	тл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπуЬ оЧπмлЬ	нЧπуЬ рЧπнЬ	нЧπммЬ пЧπфЬ
пл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπсЬ пЧπтЬ	оЧπсЬ сЧπнЬ	оЧπммЬ рЧπуЬ	тр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπтЬ оЧπфЬ	нЧπтЬ рЧπлЬ	нЧπмлЬ пЧπтЬ
пр	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπоЬ пЧπрЬ	оЧπоЬ сЧπлЬ	оЧπуЬ рЧπсЬ	ул	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπсЬ оЧπуЬ	нЧπсЬ пЧπммЬ	нЧπфЬ пЧπсЬ
рл	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	оЧπмЬ пЧπоЬ	оЧπмЬ рЧπфЬ	оЧπсЬ рЧπоЬ	ур	{ΰЖŜăă 5ŜŦƭŜŎΰƛ2Ƴ	нЧπрЬ оЧπтЬ	нЧπрЬ пЧπмлЬ	нЧπуЬ пЧπрЬ

See page 3 for standard notes

MX-11
Aluminum Perforated

0.040 in

Ix: 0.1079 in^4/ft
Sx: 0.1039 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-7"	4'-7"	5'-1"	55	Stress	2'-9"	2'-9"	3'-1"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	3'-10"	5'-3"	4'-10"
25	Stress	4'-1"	4'-1"	4'-7"	60	Stress	2'-8"	2'-8"	2'-11"
	Deflection	5'-0"	6'-10"	6'-3"		Deflection	3'-9"	5'-1"	4'-8"
30	Stress	3'-9"	3'-9"	4'-2"	65	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-9"	6'-5"	5'-11"		Deflection	3'-8"	4'-11"	4'-7"
35	Stress	3'-5"	3'-5"	3'-10"	70	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-7"	4'-10"	4'-5"
40	Stress	3'-3"	3'-3"	3'-7"	75	Stress	2'-4"	2'-4"	2'-8"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-6"	4'-9"	4'-4"
45	Stress	3'-0"	3'-0"	3'-5"	80	Stress	2'-3"	2'-3"	2'-7"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-5"	4'-7"	4'-3"
50	Stress	2'-11"	2'-11"	3'-3"	85	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-5"	4'-11"		Deflection	3'-4"	4'-6"	4'-2"

MX-11
Aluminum Perforated

0.040 in

Ix: 0.0977 in^4/ft
Sx: 0.0971 in^3/ft
Perforation: 33%

[2l·Ř LJǎŤ		{ĺyƎfŝ {LJl·y´ ȯŤΰύ	52dzōfŝ {LJl·y´ ȯŤΰύ	¢ЮŽLJfŝ {LJl·y´ ȯŤΰύ	[2l·Ř LJǎŤ		{ĺyƎfŝ {LJl·y´ ȯŤΰύ	52dzōfŝ {LJl·y´ ȯŤΰύ	¢ЮŽLJfŝ {LJl·y´ ȯŤΰύ
нл	{úЮŝăă	п⁴πpђ	п⁴πpђ	п⁴πммђ	рр	{úЮŝăă	н⁴πyђ	н⁴πyђ	о⁴πлђ
	5ŝŤfŝȎΰύ2y´	р⁴πoђ	т⁴πмђ	с⁴πсђ		5ŝŤfŝȎΰύ2y´	о⁴πфђ	р⁴πмђ	п⁴πyђ
нр	{úЮŝăă	о⁴πммђ	о⁴πммђ	п⁴πpђ	сл	{úЮŝăă	н⁴πтђ	н⁴πтђ	н⁴πмлђ
	5ŝŤfŝȎΰύ2y´	п⁴πмлђ	с⁴πтђ	с⁴πмђ		5ŝŤfŝȎΰύ2y´	о⁴πyђ	п⁴πммђ	п⁴πсђ
ол	{úЮŝăă	о⁴πтђ	о⁴πтђ	п⁴πлђ	ср	{úЮŝăă	н⁴πpђ	н⁴πpђ	н⁴πфђ
	5ŝŤfŝȎΰύ2y´	п⁴πтђ	с⁴πнђ	р⁴πyђ		5ŝŤfŝȎΰύ2y´	о⁴πтђ	п⁴πфђ	п⁴πpђ
ор	{úЮŝăă	о⁴πпђ	о⁴πпђ	о⁴πфђ	тл	{úЮŝăă	н⁴πпђ	н⁴πпђ	н⁴πyђ
	5ŝŤfŝȎΰύ2y´	п⁴πпђ	р⁴πммђ	р⁴πpђ		5ŝŤfŝȎΰύ2y´	о⁴πсђ	п⁴πyђ	п⁴πођ
пл	{úЮŝăă	о⁴πмђ	о⁴πмђ	о⁴πсђ	тр	{úЮŝăă	н⁴πођ	н⁴πођ	н⁴πтђ
	5ŝŤfŝȎΰύ2y´	п⁴πнђ	р⁴πyђ	р⁴πнђ		5ŝŤfŝȎΰύ2y´	о⁴πpђ	п⁴πтђ	п⁴πнђ
пр	{úЮŝăă	н⁴πммђ	н⁴πммђ	о⁴πођ	ул	{úЮŝăă	н⁴πнђ	н⁴πнђ	н⁴πсђ
	5ŝŤfŝȎΰύ2y´	п⁴πлђ	р⁴πpђ	р⁴πлђ		5ŝŤfŝȎΰύ2y´	о⁴πпђ	п⁴πсђ	п⁴πмђ
рл	{úЮŝăă	н⁴πфђ	н⁴πфђ	о⁴πмђ	ур	{úЮŝăă	н⁴πнђ	н⁴πнђ	н⁴πpђ
	5ŝŤfŝȎΰύ2y´	о⁴πмлђ	р⁴πођ	п⁴πмлђ		5ŝŤfŝȎΰύ2y´	о⁴πођ	п⁴πpђ	п⁴πлђ

See page 3 for standard notes

Load / Span Data

MX-11
Aluminum Perforated

0.040 in

Ix: 0.0767 in^4/ft
Sx: 0.0809 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-0"	4'-0"	4'-6"	55	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-5"	4'-8"	4'-3"
25	Stress	3'-7"	3'-7"	4'-0"	60	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-4"	4'-6"	4'-2"
30	Stress	3'-3"	3'-3"	3'-8"	65	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-3"	5'-9"	5'-3"		Deflection	3'-3"	4'-5"	4'-1"
35	Stress	3'-0"	3'-0"	3'-5"	70	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-2"	4'-4"	3'-11"
40	Stress	2'-10"	2'-10"	3'-2"	75	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-1"	4'-3"	3'-10"
45	Stress	2'-8"	2'-8"	3'-0"	80	Stress	2'-0"	2'-0"	2'-3"
	Deflection	3'-8"	5'-0"	4'-7"		Deflection	3'-1"	4'-1"	3'-9"
50	Stress	2'-7"	2'-7"	2'-10"	85	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-7"	4'-10"	4'-5"		Deflection	3'-0"	4'-0"	3'-8"

MX-11
Aluminum Perforated

0.040 in

Ix: 0.0507 in^4/ft
Sx: 0.0607 in^3/ft
Perforation: 51%

[2l·Ř Lǰǎŧ		{ʎy∃fŜ {LJl·y ȯŧűú	52ʤōfŜ {LJl·y ȯŧűú	¢ℕ𝕬LJfŜ {LJl·y ȯŧűú	[2l·Ř Lǰǎŧ		{ʎy∃fŜ {LJl·y ȯŧűú	52ʤōfŜ {LJl·y ȯŧűú	¢ℕ𝕬LJfŜ {LJl·y ȯŧűú
нл	{úℕŜăă	о⁴πсђ	о⁴πсђ	о⁴ππмђ	рр	{úℕŜăă	н⁴πмђ	н⁴πмђ	н⁴ππђ
	5ŜŧfŜŎúł2ƴ	п⁴πођ	р⁴πуђ	р⁴πођ		5ŜŧfŜŎúł2ƴ	о⁴πлђ	п⁴πмђ	о⁴πфђ
нр	{úℕŜăă	о⁴πмђ	о⁴πмђ	о⁴πсђ	сл	{úℕŜăă	н⁴πлђ	н⁴πлђ	н⁴πођ
	5ŜŧfŜŎúł2ƴ	о⁴ππмђ	р⁴πођ	п⁴ππмлђ		5ŜŧfŜŎúł2ƴ	н⁴ππмђ	о⁴ππмђ	о⁴πуђ
ол	{úℕŜăă	н⁴ππмлђ	н⁴ππмлђ	о⁴πнђ	ср	{úℕŜăă	м⁴ππмђ	м⁴ππмђ	н⁴πнђ
	5ŜŧfŜŎúł2ƴ	о⁴πуђ	р⁴πлђ	п⁴πтђ		5ŜŧfŜŎúł2ƴ	н⁴ππмлђ	о⁴πмлђ	о⁴πсђ
ор	{úℕŜăă	н⁴πуђ	н⁴πуђ	н⁴ππмђ	тл	{úℕŜăă	м⁴ππмлђ	м⁴ππмлђ	н⁴πмђ
	5ŜŧfŜŎúł2ƴ	о⁴πсђ	п⁴πфђ	п⁴ππпђ		5ŜŧfŜŎúł2ƴ	н⁴πфђ	о⁴πфђ	о⁴πрђ
пл	{úℕŜăă	н⁴πсђ	н⁴πсђ	н⁴πфђ	тр	{úℕŜăă	м⁴ππмлђ	м⁴ππмлђ	н⁴πлђ
	5ŜŧfŜŎúł2ƴ	о⁴πпђ	п⁴πсђ	п⁴πнђ		5ŜŧfŜŎúł2ƴ	н⁴πфђ	о⁴πуђ	о⁴πпђ
пр	{úℕŜăă	н⁴πпђ	н⁴πпђ	н⁴πтђ	ул	{úℕŜăă	м⁴πфђ	м⁴πфђ	м⁴ππмђ
	5ŜŧfŜŎúł2ƴ	о⁴πођ	п⁴ππпђ	п⁴πлђ		5ŜŧfŜŎúł2ƴ	н⁴πуђ	о⁴πтђ	о⁴πпђ
рл	{úℕŜăă	н⁴πнђ	н⁴πнђ	н⁴πсђ	ур	{úℕŜăă	м⁴πуђ	м⁴πуђ	м⁴ππмђ
	5ŜŧfŜŎúł2ƴ	о⁴πмђ	п⁴πнђ	о⁴πмлђ		5ŜŧfŜŎúł2ƴ	н⁴πтђ	о⁴πсђ	о⁴πођ

See page 3 for standard notes

MX-11
Aluminum Perforated

0.050 in

Ix: 0.216 in^4/ft
Sx: 0.2019 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-4"	6'-4"	7'-1"	55	Stress	3'-10"	3'-10"	4'-3"
	Deflection	6'-10"	9'-3"	8'-6"		Deflection	4'-11"	6'-7"	6'-1"
25	Stress	5'-8"	5'-8"	6'-4"	60	Stress	3'-8"	3'-8"	4'-1"
	Deflection	6'-4"	8'-7"	7'-10"		Deflection	4'-9"	6'-5"	5'-11"
30	Stress	5'-2"	5'-2"	5'-10"	65	Stress	3'-6"	3'-6"	3'-11"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-7"	6'-3"	5'-9"
35	Stress	4'-10"	4'-10"	5'-4"	70	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-6"	6'-1"	5'-7"
40	Stress	4'-6"	4'-6"	5'-0"	75	Stress	3'-3"	3'-3"	3'-8"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-5"	5'-11"	5'-6"
45	Stress	4'-3"	4'-3"	4'-9"	80	Stress	3'-2"	3'-2"	3'-7"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	4'-4"	5'-10"	5'-4"
50	Stress	4'-0"	4'-0"	4'-6"	85	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-0"	6'-10"	6'-3"		Deflection	4'-3"	5'-8"	5'-3"

MX-11
Aluminum Perforated

0.050 in

Ix: 0.1632 in^4/ft
Sx: 0.1507 in^3/ft
Perforation: 23%

[2l·Ř LJǎŤ		{ĺyƎfŝ {LJl·y´ ȯŤΰύ	52dzōfŝ {LJl·y´ ȯŤΰύ	¢₦ŁLJfŝ {LJl·y´ ȯŤΰύ	[2l·Ř LJǎŤ		{ĺyƎfŝ {LJl·y´ ȯŤΰύ	52dzōfŝ {LJl·y´ ȯŤΰύ	¢₦ŁLJfŝ {LJl·y´ ȯŤΰύ
нл	{ύ₦ŝǎă	p⁴πcђ	p⁴πcђ	c⁴πнђ	рр	{ύ₦ŝǎă	o⁴ππђ	o⁴ππђ	o⁴πyђ
	5ŝŤfŝŏΰĺ2y´	c⁴πoђ	y⁴πpђ	т⁴πфђ		5ŝŤfŝŏΰĺ2y´	п⁴πpђ	c⁴πлђ	p⁴πcђ
нр	{ύ₦ŝǎă	п⁴πммђ	п⁴πммђ	p⁴πcђ	сл	{ύ₦ŝǎă	o⁴πнђ	o⁴πнђ	o⁴πтђ
	5ŝŤfŝŏΰĺ2y´	p⁴πфђ	т⁴πмлђ	т⁴πнђ		5ŝŤfŝŏΰĺ2y´	п⁴ππђ	p⁴πмлђ	p⁴ππђ
ол	{ύ₦ŝǎă	п⁴πcђ	п⁴πcђ	p⁴πлђ	ср	{ύ₦ŝǎă	o⁴πмђ	o⁴πмђ	o⁴πpђ
	5ŝŤfŝŏΰĺ2y´	p⁴πpђ	т⁴ππђ	c⁴πфђ		5ŝŤfŝŏΰĺ2y´	п⁴πнђ	p⁴πyђ	p⁴πoђ
ор	{ύ₦ŝǎă	п⁴πнђ	п⁴πнђ	п⁴πyђ	тл	{ύ₦ŝǎă	н⁴πммђ	н⁴πммђ	o⁴πoђ
	5ŝŤfŝŏΰĺ2y´	p⁴πнђ	т⁴πлђ	c⁴πpђ		5ŝŤfŝŏΰĺ2y´	п⁴πмђ	p⁴πcђ	p⁴πмђ
пл	{ύ₦ŝǎă	o⁴πммђ	o⁴πммђ	п⁴ππђ	тр	{ύ₦ŝǎă	н⁴πмлђ	н⁴πмлђ	o⁴πнђ
	5ŝŤfŝŏΰĺ2y´	п⁴πммђ	c⁴πyђ	c⁴πнђ		5ŝŤfŝŏΰĺ2y´	п⁴πлђ	p⁴πpђ	p⁴πлђ
пр	{ύ₦ŝǎă	o⁴πyђ	o⁴πyђ	п⁴πмђ	ул	{ύ₦ŝǎă	н⁴πфђ	н⁴πфђ	o⁴πмђ
	5ŝŤfŝŏΰĺ2y´	п⁴πфђ	c⁴πpђ	p⁴πммђ		5ŝŤfŝŏΰĺ2y´	o⁴πммђ	p⁴πпђ	п⁴πмлђ
рл	{ύ₦ŝǎă	o⁴πcђ	o⁴πcђ	o⁴πммђ	ур	{ύ₦ŝǎă	н⁴πyђ	н⁴πyђ	o⁴πлђ
	5ŝŤfŝŏΰĺ2y´	п⁴πтђ	c⁴πнђ	p⁴πyђ		5ŝŤfŝŏΰĺ2y´	o⁴πмлђ	p⁴πнђ	п⁴πфђ

See page 3 for standard notes

Load / Span Data

MX-11
Aluminum Perforated

0.050 in

Ix: 0.1345 in^4/ft
Sx: 0.129 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-1"	5'-1"	5'-8"	55	Stress	3'-1"	3'-1"	3'-5"
	Deflection	5'-10"	7'-11"	7'-3"		Deflection	4'-2"	5'-8"	5'-2"
25	Stress	4'-7"	4'-7"	5'-1"	60	Stress	2'-11"	2'-11"	3'-3"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-1"	5'-6"	5'-0"
30	Stress	4'-2"	4'-2"	4'-8"	65	Stress	2'-10"	2'-10"	3'-2"
	Deflection	5'-1"	6'-11"	6'-4"		Deflection	3'-11"	5'-4"	4'-11"
35	Stress	3'-10"	3'-10"	4'-4"	70	Stress	2'-9"	2'-9"	3'-0"
	Deflection	4'-10"	6'-7"	6'-0"		Deflection	3'-10"	5'-2"	4'-9"
40	Stress	3'-7"	3'-7"	4'-0"	75	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-9"	5'-1"	4'-8"
45	Stress	3'-5"	3'-5"	3'-9"	80	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-5"	6'-0"	5'-6"		Deflection	3'-8"	5'-0"	4'-7"
50	Stress	3'-3"	3'-3"	3'-7"	85	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-6"

MX-11
Aluminum Perforated

0.050 in

Ix: 0.1219 in^4/ft
Sx: 0.1206 in^3/ft
Perforation: 33%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
30	Stress	4'-0"	4'-0"	4'-6"	65	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	3'-10"	5'-2"	4'-9"
35	Stress	3'-9"	3'-9"	4'-2"	70	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-9"	5'-0"	4'-7"
40	Stress	3'-6"	3'-6"	3'-11"	75	Stress	2'-6"	2'-6"	2'-10"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	4'-11"	4'-6"
45	Stress	3'-3"	3'-3"	3'-8"	80	Stress	2'-5"	2'-5"	2'-9"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-5"
50	Stress	3'-1"	3'-1"	3'-6"	85	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-6"	4'-9"	4'-4"
55	Stress	3'-0"	3'-0"	3'-4"	90	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-5"	4'-7"	4'-3"
60	Stress	2'-10"	2'-10"	3'-2"	95	Stress	2'-3"	2'-3"	2'-6"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-4"	4'-6"	4'-2"

See page 3 for standard notes

MX-11
Aluminum Perforated

0.050 in

Ix: 0.0957 in^4/ft
Sx: 0.1004 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	4'-6"	4'-6"	5'-0"	55	Stress	2'-8"	2'-8"	3'-0"
	Deflection	5'-3"	7'-0"	6'-6"		Deflection	3'-9"	5'-0"	4'-7"
25	Stress	4'-0"	4'-0"	4'-6"	60	Stress	2'-7"	2'-7"	2'-11"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-7"	4'-11"	4'-6"
30	Stress	3'-8"	3'-8"	4'-1"	65	Stress	2'-6"	2'-6"	2'-9"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-6"	4'-9"	4'-4"
35	Stress	3'-5"	3'-5"	3'-9"	70	Stress	2'-5"	2'-5"	2'-8"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-5"	4'-8"	4'-3"
40	Stress	3'-2"	3'-2"	3'-7"	75	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-2"	5'-7"	5'-2"		Deflection	3'-4"	4'-6"	4'-2"
45	Stress	3'-0"	3'-0"	3'-4"	80	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-3"	4'-5"	4'-1"
50	Stress	2'-10"	2'-10"	3'-2"	85	Stress	2'-2"	2'-2"	2'-5"
	Deflection	3'-10"	5'-2"	4'-9"		Deflection	3'-3"	4'-4"	4'-0"

MX-11
Aluminum Perforated

0.050 in

Ix: 0.0633 in^4/ft
Sx: 0.0754 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	3'-11"	3'-11"	4'-4"	55	Stress	2'-4"	2'-4"	2'-7"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-3"	4'-5"	4'-0"
25	Stress	3'-6"	3'-6"	3'-11"	60	Stress	2'-3"	2'-3"	2'-6"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-2"	4'-3"	3'-11"
30	Stress	3'-2"	3'-2"	3'-7"	65	Stress	2'-2"	2'-2"	2'-5"
	Deflection	4'-0"	5'-4"	4'-11"		Deflection	3'-1"	4'-2"	3'-10"
35	Stress	2'-11"	2'-11"	3'-3"	70	Stress	2'-1"	2'-1"	2'-4"
	Deflection	3'-9"	5'-1"	4'-8"		Deflection	3'-0"	4'-0"	3'-9"
40	Stress	2'-9"	2'-9"	3'-1"	75	Stress	2'-0"	2'-0"	2'-3"
	Deflection	3'-7"	4'-10"	4'-6"		Deflection	2'-11"	3'-11"	3'-8"
45	Stress	2'-7"	2'-7"	2'-11"	80	Stress	1'-11"	1'-11"	2'-2"
	Deflection	3'-6"	4'-8"	4'-4"		Deflection	2'-10"	3'-10"	3'-7"
50	Stress	2'-5"	2'-5"	2'-9"	85	Stress	1'-11"	1'-11"	2'-1"
	Deflection	3'-4"	4'-6"	4'-2"		Deflection	2'-10"	3'-9"	3'-6"

See page 3 for standard notes

Load / Span Data

MX-13
Aluminum Perforated

0.032 in

Ix: 0.2211 in^4/ft
Sx: 0.3005 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-9"	7'-9"	8'-8"	55	Stress	4'-8"	4'-8"	5'-3"
	Deflection	6'-11"	9'-4"	8'-7"		Deflection	4'-11"	6'-8"	6'-1"
25	Stress	6'-11"	6'-11"	7'-9"	60	Stress	4'-6"	4'-6"	5'-0"
	Deflection	6'-5"	8'-8"	7'-11"		Deflection	4'-9"	6'-5"	5'-11"
30	Stress	6'-4"	6'-4"	7'-1"	65	Stress	4'-4"	4'-4"	4'-10"
	Deflection	6'-0"	8'-2"	7'-6"		Deflection	4'-8"	6'-3"	5'-9"
35	Stress	5'-10"	5'-10"	6'-7"	70	Stress	4'-2"	4'-2"	4'-8"
	Deflection	5'-9"	7'-9"	7'-1"		Deflection	4'-6"	6'-2"	5'-8"
40	Stress	5'-6"	5'-6"	6'-2"	75	Stress	4'-0"	4'-0"	4'-6"
	Deflection	5'-6"	7'-5"	6'-9"		Deflection	4'-5"	6'-0"	5'-6"
45	Stress	5'-2"	5'-2"	5'-9"	80	Stress	3'-11"	3'-11"	4'-4"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	4'-4"	5'-10"	5'-5"
50	Stress	4'-11"	4'-11"	5'-6"	85	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-1"	6'-10"	6'-4"		Deflection	4'-3"	5'-9"	5'-3"

MX-13
Aluminum Perforated

0.032 in

Ix: 0.1671 in^4/ft
Sx: 0.2243 in^3/ft
Perforation: 23%

[2l·Ř LJăŦ		{ƛy∃tŜ {LJl·y´ ó₮ΰύ	52dzōtŜ {LJl·y´ ó₮ΰύ	¢NJƛLJtŜ {LJl·y´ ó₮ΰύ	[2l·Ř LJăŦ		{ƛy∃tŜ {LJl·y´ ó₮ΰύ	52dzōtŜ {LJl·y´ ó₮ΰύ	¢NJƛLJtŜ {LJl·y´ ó₮ΰύ
20	Stress	6'-8"	6'-8"	7'-6"	55	Stress	4'-0"	4'-0"	4'-6"
	Deflection	6'-3"	8'-6"	7'-9"		Deflection	4'-6"	6'-1"	5'-7"
25	Stress	6'-0"	6'-0"	6'-8"	60	Stress	3'-10"	3'-10"	4'-4"
	Deflection	5'-10"	7'-10"	7'-3"		Deflection	4'-4"	5'-11"	5'-5"
30	Stress	5'-6"	5'-6"	6'-1"	65	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-6"	7'-5"	6'-10"		Deflection	4'-3"	5'-9"	5'-3"
35	Stress	5'-1"	5'-1"	5'-8"	70	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-3"	7'-0"	6'-6"		Deflection	4'-2"	5'-7"	5'-2"
40	Stress	4'-9"	4'-9"	5'-4"	75	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-0"	6'-9"	6'-2"		Deflection	4'-0"	5'-5"	5'-0"
45	Stress	4'-6"	4'-6"	5'-0"	80	Stress	3'-4"	3'-4"	3'-9"
	Deflection	4'-9"	6'-6"	5'-11"		Deflection	3'-11"	5'-4"	4'-11"
50	Stress	4'-3"	4'-3"	4'-9"	85	Stress	3'-3"	3'-3"	3'-8"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-11"	5'-3"	4'-10"

See page 3 for standard notes

MX-13
Aluminum Perforated

0.032 in

Ix: 0.1377 in^4/ft
Sx: 0.192 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-2"	6'-2"	6'-11"	55	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-11"	7'-11"	7'-4"		Deflection	4'-2"	5'-8"	5'-3"
25	Stress	5'-7"	5'-7"	6'-2"	60	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-6"	7'-5"	6'-9"		Deflection	4'-1"	5'-6"	5'-1"
30	Stress	5'-1"	5'-1"	5'-8"	65	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-2"	6'-11"	6'-5"		Deflection	4'-0"	5'-4"	4'-11"
35	Stress	4'-8"	4'-8"	5'-3"	70	Stress	3'-4"	3'-4"	3'-8"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	3'-11"	5'-3"	4'-10"
40	Stress	4'-5"	4'-5"	4'-11"	75	Stress	3'-2"	3'-2"	3'-7"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-9"	5'-1"	4'-8"
45	Stress	4'-2"	4'-2"	4'-7"	80	Stress	3'-1"	3'-1"	3'-6"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	5'-0"	4'-7"
50	Stress	3'-11"	3'-11"	4'-5"	85	Stress	3'-0"	3'-0"	3'-4"
	Deflection	4'-4"	5'-10"	5'-5"		Deflection	3'-8"	4'-11"	4'-6"

MX-13
Aluminum Perforated

0.032 in

Ix: 0.1247 in^4/ft
Sx: 0.1794 in^3/ft
Perforation: 33%

[2I·Ř LJăŤ		{ńyƎfŜ {LJI·y˙ óŦŰú	52dżōfŜ {LJI·y˙ óŦŰú	¢ⅯⅯLJfŜ {LJI·y˙ óŦŰú	[2I·Ř LJăŤ		{ńyƎfŜ {LJI·y˙ óŦŰú	52dżōfŜ {LJI·y˙ óŦŰú	¢ⅯⅯLJfŜ {LJI·y˙ óŦŰú
ол	{ńⅯŜăă	пчпммђ	пчпммђ	рчпсђ	ср	{ńⅯŜăă	очппђ	очппђ	очпфђ
	5ŜŦfŜÖŰńƨy˙	рчплђ	счпфђ	счпнђ		5ŜŦfŜÖŰńƨy˙	очпмлђ	рчпнђ	пчпфђ
ор	{ńⅯŜăă	пчпсђ	пчпсђ	рчпмђ	тл	{ńⅯŜăă	очпнђ	очпнђ	очптђ
	5ŜŦfŜÖŰńƨy˙	пчпфђ	счпрђ	рчпмлђ		5ŜŦfŜÖŰńƨy˙	очпфђ	рчпмђ	пчпуђ
пл	{ńⅯŜăă	пчпођ	пчпођ	пчпфђ	тр	{ńⅯŜăă	очпмђ	очпмђ	очпрђ
	5ŜŦfŜÖŰńƨy˙	пчпсђ	счпмђ	рчпттђ		5ŜŦfŜÖŰńƨy˙	очпуђ	пчпммђ	пчпттђ
пр	{ńⅯŜăă	пчплђ	пчплђ	пчпсђ	ул	{ńⅯŜăă	нчпмнђ	нчпмнђ	очппђ
	5ŜŦfŜÖŰńƨy˙	пчппђ	рчпмлђ	рчпрђ		5ŜŦfŜÖŰńƨy˙	очпттђ	пчпмлђ	пчпрђ
рл	{ńⅯŜăă	очпфђ	очпфђ	пчпођ	ур	{ńⅯŜăă	нчпммђ	нчпммђ	очпођ
	5ŜŦfŜÖŰńƨy˙	пчпнђ	рчпуђ	рчпнђ		5ŜŦfŜÖŰńƨy˙	очпсђ	пчпфђ	пчппђ
рр	{ńⅯŜăă	очпттђ	очпттђ	пчплђ	фл	{ńⅯŜăă	нчпмлђ	нчпмлђ	очпнђ
	5ŜŦfŜÖŰńƨy˙	пчпмђ	рчпсђ	рчплђ		5ŜŦfŜÖŰńƨy˙	очпрђ	пчпуђ	пчпођ
сл	{ńⅯŜăă	очпрђ	очпрђ	очпмлђ	фр	{ńⅯŜăă	нчпфђ	нчпфђ	очпмђ
	5ŜŦfŜÖŰńƨy˙	очпммђ	рчпппђ	пчпммђ		5ŜŦfŜÖŰńƨy˙	очпрђ	пчпттђ	пчпнђ

See page 3 for standard notes

Load / Span Data

MX-13
Aluminum Perforated

0.032 in

Ix: 0.0979 in^4/ft
Sx: 0.1494 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-6"	5'-6"	6'-1"	55	Stress	3'-4"	3'-4"	3'-8"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-9"	5'-1"	4'-8"
25	Stress	4'-11"	4'-11"	5'-6"	60	Stress	3'-2"	3'-2"	3'-6"
	Deflection	4'-11"	6'-7"	6'-1"		Deflection	3'-8"	4'-11"	4'-6"
30	Stress	4'-6"	4'-6"	5'-0"	65	Stress	3'-0"	3'-0"	3'-5"
	Deflection	4'-7"	6'-2"	5'-8"		Deflection	3'-7"	4'-9"	4'-5"
35	Stress	4'-2"	4'-2"	4'-7"	70	Stress	2'-11"	2'-11"	3'-3"
	Deflection	4'-4"	5'-11"	5'-5"		Deflection	3'-6"	4'-8"	4'-3"
40	Stress	3'-10"	3'-10"	4'-4"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-5"	4'-7"	4'-2"
45	Stress	3'-8"	3'-8"	4'-1"	80	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-0"	5'-5"	5'-0"		Deflection	3'-4"	4'-6"	4'-1"
50	Stress	3'-5"	3'-5"	3'-10"	85	Stress	2'-8"	2'-8"	3'-0"
	Deflection	3'-10"	5'-3"	4'-10"		Deflection	3'-3"	4'-5"	4'-0"

MX-13
Aluminum Perforated

0.032 in

Ix: 0.0647 in^4/ft
Sx: 0.1121 in^3/ft
Perforation: 51%

[2l·Ř Lǎŧ		{ʎyƎfŜ {ⱠJl·y´ óŧűú	52ȡzōfŜ {ⱠJl·y´ óŧűú	¢₩ⱠJfŜ {ⱠJl·y´ óŧűú	[2l·Ř Lǎŧ		{ʎyƎfŜ {ⱠJl·y´ óŧűú	52ȡzōfŜ {ⱠJl·y´ óŧűú	¢₩ⱠJfŜ {ⱠJl·y´ óŧűú
нл	{úŵŜăă	nᵠπфђ	nᵠπфђ	pᵠπnђ	pp	{úŵŜăă	hᵠπмлђ	hᵠπмлђ	oᵠπнђ
	5Ŝ†fŜŎúĺ2ƴ	nᵠπтђ	cᵠπнђ	pᵠπуђ		5Ŝ†fŜŎúĺ2ƴ	oᵠπoђ	nᵠπpђ	nᵠπмђ
нр	{úŵŜăă	nᵠπoђ	nᵠπoђ	nᵠπфђ	сл	{úŵŜăă	hᵠπфђ	hᵠπфђ	oᵠπмђ
	5Ŝ†fŜŎúĺ2ƴ	nᵠπoђ	pᵠπфђ	pᵠπoђ		5Ŝ†fŜŎúĺ2ƴ	oᵠπнђ	nᵠπoђ	oᵠπммђ
ол	{úŵŜăă	oᵠπмлђ	oᵠπмлђ	nᵠπnђ	ср	{úŵŜăă	hᵠπуђ	hᵠπуђ	hᵠπммђ
	5Ŝ†fŜŎúĺ2ƴ	nᵠπлђ	pᵠπpђ	pᵠπлђ		5Ŝ†fŜŎúĺ2ƴ	oᵠπмђ	nᵠπнђ	oᵠπмлђ
ор	{úŵŜăă	oᵠπтђ	oᵠπтђ	nᵠπлђ	тл	{úŵŜăă	hᵠπcђ	hᵠπcђ	hᵠπмлђ
	5Ŝ†fŜŎúĺ2ƴ	oᵠπмлђ	pᵠπнђ	nᵠπфђ		5Ŝ†fŜŎúĺ2ƴ	oᵠπлђ	nᵠπмђ	oᵠπфђ
пл	{úŵŜăă	oᵠπnђ	oᵠπnђ	oᵠπфђ	тр	{úŵŜăă	hᵠπpђ	hᵠπpђ	hᵠπфђ
	5Ŝ†fŜŎúĺ2ƴ	oᵠπуђ	nᵠπммђ	nᵠπcђ		5Ŝ†fŜŎúĺ2ƴ	hᵠπммђ	nᵠπлђ	oᵠπуђ
пр	{úŵŜăă	oᵠπнђ	oᵠπнђ	oᵠπcђ	ул	{úŵŜăă	hᵠπnђ	hᵠπnђ	hᵠπуђ
	5Ŝ†fŜŎúĺ2ƴ	oᵠπcђ	nᵠπфђ	nᵠπnђ		5Ŝ†fŜŎúĺ2ƴ	hᵠπммђ	oᵠπммђ	oᵠπтђ
рл	{úŵŜăă	oᵠπлђ	oᵠπлђ	oᵠπnђ	ур	{úŵŜăă	hᵠπnђ	hᵠπnђ	hᵠπтђ
	5Ŝ†fŜŎúĺ2ƴ	oᵠπnђ	nᵠπтђ	nᵠπнђ		5Ŝ†fŜŎúĺ2ƴ	hᵠπмлђ	oᵠπмлђ	oᵠπcђ

See page 3 for standard notes

MX-13
Aluminum Perforated

0.040 in

Ix: 0.2767 in^4/ft
Sx: 0.3305 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	8'-2"	8'-2"	9'-1"	55	Stress	4'-11"	4'-11"	5'-6"
	Deflection	7'-5"	10'-0"	9'-3"		Deflection	5'-4"	7'-2"	6'-7"
25	Stress	7'-3"	7'-3"	8'-2"	60	Stress	4'-8"	4'-8"	5'-3"
	Deflection	6'-11"	9'-4"	8'-7"		Deflection	5'-2"	6'-11"	6'-5"
30	Stress	6'-8"	6'-8"	7'-5"	65	Stress	4'-6"	4'-6"	5'-1"
	Deflection	6'-6"	8'-9"	8'-1"		Deflection	5'-0"	6'-9"	6'-3"
35	Stress	6'-2"	6'-2"	6'-10"	70	Stress	4'-4"	4'-4"	4'-10"
	Deflection	6'-2"	8'-4"	7'-8"		Deflection	4'-11"	6'-7"	6'-1"
40	Stress	5'-9"	5'-9"	6'-5"	75	Stress	4'-2"	4'-2"	4'-8"
	Deflection	5'-11"	8'-0"	7'-4"		Deflection	4'-9"	6'-5"	5'-11"
45	Stress	5'-5"	5'-5"	6'-1"	80	Stress	4'-1"	4'-1"	4'-7"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-8"	6'-4"	5'-10"
50	Stress	5'-2"	5'-2"	5'-9"	85	Stress	3'-11"	3'-11"	4'-5"
	Deflection	5'-6"	7'-5"	6'-9"		Deflection	4'-7"	6'-2"	5'-8"

MX-13
Aluminum Perforated

0.040 in

Ix: 0.2091 in^4/ft
Sx: 0.2466 in^3/ft
Perforation: 23%

[2I·Ř LJăŦ		{ʎyƎfŜ {LJI·ƴ óŦŰύ	52dzōfŜ {LJI·ƴ óŦŰύ	¢ЖʎLJfŜ {LJI·ƴ óŦŰύ	[2I·Ř LJăŦ		{ʎyƎfŜ {LJI·ƴ óŦŰύ	52dzōfŜ {LJI·ƴ óŦŰύ	¢ЖʎLJfŜ {LJI·ƴ óŦŰύ
нл	{ŰЖŜăă	тчπлЬ	тчπлЬ	тчπмлЬ	рр	{ŰЖŜăă	пчπоЬ	пчπоЬ	пчπфЬ
	5ŜŦfŜŎŰʎ2ƴ	счπфЬ	фчπнЬ	учπрЬ		5ŜŦfŜŎŰʎ2ƴ	пчπмлЬ	счπсЬ	счπлЬ
нр	{ŰЖŜăă	счπоЬ	счπоЬ	тчπлЬ	сл	{ŰЖŜăă	пчπмЬ	пчπмЬ	пчπсЬ
	5ŜŦfŜŎŰʎ2ƴ	счπоЬ	учπсЬ	тчπфЬ		5ŜŦfŜŎŰʎ2ƴ	пчπуЬ	счπпЬ	рчπмлЬ
ол	{ŰЖŜăă	рчπфЬ	рчπфЬ	счπрЬ	ср	{ŰЖŜăă	очπммЬ	очπммЬ	пчπпЬ
	5ŜŦfŜŎŰʎ2ƴ	рчπммЬ	учπлЬ	тчπпЬ		5ŜŦfŜŎŰʎ2ƴ	пчπтЬ	счπнЬ	рчπуЬ
ор	{ŰЖŜăă	рчπпЬ	рчπпЬ	рчπммЬ	тл	{ŰЖŜăă	очπфЬ	очπфЬ	пчπнЬ
	5ŜŦfŜŎŰʎ2ƴ	рчπтЬ	тчπтЬ	тчπлЬ		5ŜŦfŜŎŰʎ2ƴ	пчπрЬ	счπлЬ	рчπсЬ
пл	{ŰЖŜăă	рчπлЬ	рчπлЬ	рчπтЬ	тр	{ŰЖŜăă	очπуЬ	очπуЬ	пчπмЬ
	5ŜŦfŜŎŰʎ2ƴ	рчπпЬ	тчπоЬ	счπуЬ		5ŜŦfŜŎŰʎ2ƴ	пчπпЬ	рчπммЬ	рчπрЬ
пр	{ŰЖŜăă	пчπуЬ	пчπуЬ	рчπоЬ	ул	{ŰЖŜăă	очπсЬ	очπсЬ	очπммЬ
	5ŜŦfŜŎŰʎ2ƴ	рчπнЬ	тчπлЬ	счπрЬ		5ŜŦfŜŎŰʎ2ƴ	пчπоЬ	рчπфЬ	рчπоЬ
рл	{ŰЖŜăă	пчπрЬ	пчπрЬ	рчπлЬ	ур	{ŰЖŜăă	очπрЬ	очπрЬ	очπмлЬ
	5ŜŦfŜŎŰʎ2ƴ	рчπлЬ	счπфЬ	счπнЬ		5ŜŦfŜŎŰʎ2ƴ	пчπнЬ	рчπуЬ	рчπнЬ

See page 3 for standard notes

Load / Span Data

MX-13
Aluminum Perforated

0.040 in

Ix: 0.1724 in^4/ft
Sx: 0.2111 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-6"	6'-6"	7'-3"	55	Stress	3'-11"	3'-11"	4'-5"
	Deflection	6'-4"	8'-7"	7'-10"		Deflection	4'-6"	6'-1"	5'-7"
25	Stress	5'-10"	5'-10"	6'-6"	60	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-11"	7'-11"	7'-4"		Deflection	4'-5"	5'-11"	5'-5"
30	Stress	5'-4"	5'-4"	5'-11"	65	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-7"	7'-6"	6'-10"		Deflection	4'-3"	5'-9"	5'-4"
35	Stress	4'-11"	4'-11"	5'-6"	70	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	4'-2"	5'-8"	5'-2"
40	Stress	4'-7"	4'-7"	5'-2"	75	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-0"	6'-10"	6'-3"		Deflection	4'-1"	5'-6"	5'-1"
45	Stress	4'-4"	4'-4"	4'-10"	80	Stress	3'-3"	3'-3"	3'-8"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	4'-0"	5'-5"	4'-11"
50	Stress	4'-1"	4'-1"	4'-7"	85	Stress	3'-2"	3'-2"	3'-6"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-11"	5'-3"	4'-10"

MX-13
Aluminum Perforated

0.040 in

Ix: 0.1561 in^4/ft
Sx: 0.1973 in^3/ft
Perforation: 33%

[2I·Ř LJăŦ		{ƛƴƎƭŜ {LJI·Ƴ óŦǘǘ	52dzōƭŜ {LJI·Ƴ óŦǘǘ	¢ƝƛLJƭŜ {LJI·Ƴ óŦǘǘ	[2I·Ř LJăŦ		{ƛƴƎƭŜ {LJI·Ƴ óŦǘǘ	52dzōƭŜ {LJI·Ƴ óŦǘǘ	¢ƝƛLJƭŜ {LJI·Ƴ óŦǘǘ
ол	{ǘƝŜăă	рчπнЬ	рчπнЬ	рчπфЬ	ср	{ǘƝŜăă	очπсЬ	очπсЬ	очπммЬ
	5ŜŦƭŜŎǘƛƻƴ	рчπпЬ	тчπоЬ	счπуЬ		5ŜŦƭŜŎǘƛƻƴ	пчπнЬ	рчπтЬ	рчπнЬ
ор	{ǘƝŜăă	пчπфЬ	пчπфЬ	рчπпЬ	тл	{ǘƝŜăă	очπпЬ	очπпЬ	очπфЬ
	5ŜŦƭŜŎǘƛƻƴ	рчπмЬ	счπммЬ	счπпЬ		5ŜŦƭŜŎǘƛƻƴ	пчπмЬ	рчπрЬ	рчπлЬ
пл	{ǘƝŜăă	пчπрЬ	пчπрЬ	рчπлЬ	тр	{ǘƝŜăă	очπоЬ	очπоЬ	очπуЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπмлЬ	счπтЬ	счπлЬ		5ŜŦƭŜŎǘƛƻƴ	очπммЬ	рчπпЬ	пчπммЬ
пр	{ǘƝŜăă	пчπнЬ	пчπнЬ	пчπуЬ	ул	{ǘƝŜăă	очπнЬ	очπнЬ	очπсЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπуЬ	счπпЬ	рчπмлЬ		5ŜŦƭŜŎǘƛƻƴ	очπмлЬ	рчπоЬ	пчπмлЬ
рл	{ǘƝŜăă	пчπлЬ	пчπлЬ	пчπрЬ	ур	{ǘƝŜăă	очπмЬ	очπмЬ	очπрЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπсЬ	счπмЬ	рчπтЬ		5ŜŦƭŜŎǘƛƻƴ	очπфЬ	рчπмЬ	пчπуЬ
рр	{ǘƝŜăă	очπфЬ	очπфЬ	пчπоЬ	фл	{ǘƝŜăă	нчπмнЬ	нчπмнЬ	очπпЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπрЬ	рчπммЬ	рчπрЬ		5ŜŦƭŜŎǘƛƻƴ	очπфЬ	рчπлЬ	пчπтЬ
сл	{ǘƝŜăă	очπуЬ	очπуЬ	пчπмЬ	фр	{ǘƝŜăă	нчπммЬ	нчπммЬ	очπоЬ
	5ŜŦƭŜŎǘƛƻƴ	пчπоЬ	рчπфЬ	рчπоЬ		5ŜŦƭŜŎǘƛƻƴ	очπуЬ	пчπммЬ	пчπсЬ

See page 3 for standard notes

MX-13
Aluminum Perforated

0.040 in

Ix: 0.1225 in^4/ft
Sx: 0.1642 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-9"	5'-9"	6'-5"	55	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-0"	5'-5"	5'-0"
25	Stress	5'-2"	5'-2"	5'-9"	60	Stress	3'-4"	3'-4"	3'-8"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	3'-11"	5'-4"	4'-10"
30	Stress	4'-8"	4'-8"	5'-3"	65	Stress	3'-2"	3'-2"	3'-7"
	Deflection	4'-11"	6'-8"	6'-2"		Deflection	3'-10"	5'-2"	4'-9"
35	Stress	4'-4"	4'-4"	4'-10"	70	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-8"	6'-4"	5'-10"		Deflection	3'-9"	5'-0"	4'-7"
40	Stress	4'-1"	4'-1"	4'-6"	75	Stress	2'-12"	2'-12"	3'-4"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-8"	4'-11"	4'-6"
45	Stress	3'-10"	3'-10"	4'-3"	80	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-4"	5'-10"	5'-4"		Deflection	3'-7"	4'-10"	4'-5"
50	Stress	3'-7"	3'-7"	4'-1"	85	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-2"	5'-8"	5'-2"		Deflection	3'-6"	4'-9"	4'-4"

MX-13
Aluminum Perforated

0.040 in

Ix: 0.081 in^4/ft
Sx: 0.1233 in^3/ft
Perforation: 51%

[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y˙ ôŤűú	52dzōfŜ {LJl·y˙ ôŤűú	₵₥ŁJfŜ {LJl·y˙ ôŤűú	[2l·Ř LJăŤ		{ĺyƎfŜ {LJl·y˙ ôŤűú	52dzōfŜ {LJl·y˙ ôŤűú	₵₥ŁJfŜ {LJl·y˙ ôŤűú
нл	{ńŃŜăă	p⁴πлђ	p⁴πлђ	p⁴πтђ	рр	{ńŃŜăă	o⁴πлђ	o⁴πлђ	o⁴ππђ
	5ŜŤfŜÔűλ2y˙	п⁴πммђ	c⁴πyђ	c⁴πмђ		5ŜŤfŜÔűλ2y˙	o⁴πcђ	п⁴πфђ	п⁴ππђ
нр	{ńŃŜăă	п⁴πpђ	п⁴πpђ	p⁴πлђ	сл	{ńŃŜăă	н⁴πмлђ	н⁴πмлђ	o⁴πнђ
	5ŜŤfŜÔűλ2y˙	п⁴πтђ	c⁴πнђ	p⁴πyђ		5ŜŤfŜÔűλ2y˙	o⁴πpђ	п⁴πтђ	п⁴ποђ
ол	{ńŃŜăă	п⁴πмђ	п⁴πмђ	п⁴πcђ	ср	{ńŃŜăă	н⁴πфђ	н⁴πфђ	o⁴πмђ
	5ŜŤfŜÔűλ2y˙	п⁴πпђ	p⁴πмлђ	p⁴πпђ		5ŜŤfŜÔűλ2y˙	o⁴πпђ	п⁴πcђ	п⁴πнђ
ор	{ńŃŜăă	o⁴πфђ	o⁴πфђ	п⁴πнђ	тл	{ńŃŜăă	н⁴πyђ	н⁴πyђ	o⁴πлђ
	5ŜŤfŜÔűλ2y˙	п⁴πмђ	p⁴πcђ	p⁴πмђ		5ŜŤfŜÔűλ2y˙	o⁴ποђ	п⁴πpђ	п⁴πлђ
пл	{ńŃŜăă	o⁴πcђ	o⁴πcђ	o⁴πммђ	тр	{ńŃŜăă	н⁴πтђ	н⁴πтђ	н⁴πмлђ
	5ŜŤfŜÔűλ2y˙	o⁴πммђ	p⁴πoђ	п⁴πмлђ		5ŜŤfŜÔűλ2y˙	o⁴πнђ	п⁴ποђ	o⁴πммђ
пр	{ńŃŜăă	o⁴πпђ	o⁴πпђ	o⁴πyђ	ул	{ńŃŜăă	н⁴πcђ	н⁴πcђ	н⁴πфђ
	5ŜŤfŜÔűλ2y˙	o⁴πфђ	p⁴πмђ	п⁴πyђ		5ŜŤfŜÔűλ2y˙	o⁴πмђ	п⁴πнђ	o⁴πмлђ
рл	{ńŃŜăă	o⁴πнђ	o⁴πнђ	o⁴πcђ	ур	{ńŃŜăă	н⁴πpђ	н⁴πpђ	н⁴πyђ
	5ŜŤfŜÔűλ2y˙	o⁴πyђ	п⁴πммђ	п⁴πcђ		5ŜŤfŜÔűλ2y˙	o⁴πмђ	п⁴πмђ	o⁴πфђ

See page 3 for standard notes

Load / Span Data

MX-13
Aluminum Perforated

0.050 in

Ix: 0.3464 in^4/ft
Sx: 0.4113 in^3/ft
Perforation: 10%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	9'-1"	9'-1"	10'-2"	55	Stress	5'-6"	5'-6"	6'-1"
	Deflection	8'-0"	10'-10"	9'-11"		Deflection	5'-9"	7'-9"	7'-1"
25	Stress	8'-1"	8'-1"	9'-1"	60	Stress	5'-3"	5'-3"	5'-10"
	Deflection	7'-5"	10'-0"	9'-3"		Deflection	5'-7"	7'-6"	6'-11"
30	Stress	7'-5"	7'-5"	8'-3"	65	Stress	5'-0"	5'-0"	5'-7"
	Deflection	7'-0"	9'-5"	8'-8"		Deflection	5'-5"	7'-4"	6'-8"
35	Stress	6'-10"	6'-10"	7'-8"	70	Stress	4'-10"	4'-10"	5'-5"
	Deflection	6'-8"	9'-0"	8'-3"		Deflection	5'-3"	7'-1"	6'-6"
40	Stress	6'-5"	6'-5"	7'-2"	75	Stress	4'-8"	4'-8"	5'-3"
	Deflection	6'-4"	8'-7"	7'-11"		Deflection	5'-2"	6'-11"	6'-5"
45	Stress	6'-1"	6'-1"	6'-9"	80	Stress	4'-6"	4'-6"	5'-1"
	Deflection	6'-1"	8'-3"	7'-7"		Deflection	5'-1"	6'-10"	6'-3"
50	Stress	5'-9"	5'-9"	6'-5"	85	Stress	4'-5"	4'-5"	4'-11"
	Deflection	5'-11"	8'-0"	7'-4"		Deflection	4'-11"	6'-8"	6'-2"

MX-13
Aluminum Perforated

0.050 in

Ix: 0.2617 in^4/ft
Sx: 0.3069 in^3/ft
Perforation: 23%

[2l·Ř Lǎť		{ĺyƎfŝ {ŁJl·y˙ óŤűú	52ʤōfŝ {ŁJl·y˙ óŤűú	¢ЖLJfŝ {ŁJl·y˙ óŤűú	[2l·Ř Lǎť		{ĺyƎfŝ {ŁJl·y˙ óŤűú	52ʤōfŝ {ŁJl·y˙ óŤűú	¢ЖLJfŝ {ŁJl·y˙ óŤűú
нл	{úЖŜää	тцпмлђ	тцпмлђ	уцпфђ	рр	{úЖŜää	пцпфђ	пцпфђ	рцпођ
	5ŝŤfŜŎúĺ2y˙	тцппђ	фцпмлђ	фцпмђ		5ŝŤfŜŎúĺ2y˙	рцпнђ	тцплђ	сцпрђ
нр	{úЖŜää	тцплђ	тцплђ	тцпмлђ	сл	{úЖŜää	пцпсђ	пцпсђ	рцпмђ
	5ŝŤfŜŎúĺ2y˙	сцпфђ	фцпнђ	уцпрђ		5ŝŤfŜŎúĺ2y˙	рцпмђ	сцпмлђ	сцпођ
ол	{úЖŜää	сцпрђ	сцпрђ	тцпнђ	ср	{úЖŜää	пцппђ	пцппђ	пцпмлђ
	5ŝŤfŜŎúĺ2y˙	сцппђ	уцптђ	тцпммђ		5ŝŤfŜŎúĺ2y˙	пцпммђ	сцпуђ	сцпмђ
ор	{úЖŜää	рцпммђ	рцпммђ	сцптђ	тл	{úЖŜää	пцпнђ	пцпнђ	пцпуђ
	5ŝŤfŜŎúĺ2y˙	сцпмђ	уцпнђ	тцпсђ		5ŝŤfŜŎúĺ2y˙	пцпмлђ	сцпсђ	рцпммђ
пл	{úЖŜää	рцпсђ	рцпсђ	сцпнђ	тр	{úЖŜää	пцпмђ	пцпмђ	пцпсђ
	5ŝŤfŜŎúĺ2y˙	рцпфђ	тцпмлђ	тцпнђ		5ŝŤfŜŎúĺ2y˙	пцпуђ	сцппђ	рцпмлђ
пр	{úЖŜää	рцпођ	рцпођ	рцпмлђ	ул	{úЖŜää	оцпммђ	оцпммђ	пцпрђ
	5ŝŤfŜŎúĺ2y˙	рцптђ	тцпсђ	сцпммђ		5ŝŤfŜŎúĺ2y˙	пцптђ	сцпнђ	рцпуђ
рл	{úЖŜää	пцпммђ	пцпммђ	рцпсђ	ур	{úЖŜää	оцпмлђ	оцпмлђ	пцпођ
	5ŝŤfŜŎúĺ2y˙	рцппђ	тцпођ	сцпуђ		5ŝŤfŜŎúĺ2y˙	пцпсђ	сцпмђ	рцптђ

See page 3 for standard notes

MX-13
Aluminum Perforated

0.050 in

Ix: 0.2157 in^4/ft
Sx: 0.2627 in^3/ft
Perforation: 30%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	7'-3"	7'-3"	8'-1"	55	Stress	4'-4"	4'-4"	4'-11"
	Deflection	6'-10"	9'-3"	8'-6"		Deflection	4'-11"	6'-7"	6'-1"
25	Stress	6'-6"	6'-6"	7'-3"	60	Stress	4'-2"	4'-2"	4'-8"
	Deflection	6'-4"	8'-7"	7'-10"		Deflection	4'-9"	6'-5"	5'-11"
30	Stress	5'-11"	5'-11"	6'-7"	65	Stress	4'-0"	4'-0"	4'-6"
	Deflection	6'-0"	8'-1"	7'-5"		Deflection	4'-7"	6'-3"	5'-9"
35	Stress	5'-6"	5'-6"	6'-2"	70	Stress	3'-10"	3'-10"	4'-4"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-6"	6'-1"	5'-7"
40	Stress	5'-2"	5'-2"	5'-9"	75	Stress	3'-9"	3'-9"	4'-2"
	Deflection	5'-5"	7'-4"	6'-9"		Deflection	4'-5"	5'-11"	5'-5"
45	Stress	4'-10"	4'-10"	5'-5"	80	Stress	3'-7"	3'-7"	4'-1"
	Deflection	5'-3"	7'-1"	6'-6"		Deflection	4'-4"	5'-10"	5'-4"
50	Stress	4'-7"	4'-7"	5'-2"	85	Stress	3'-6"	3'-6"	3'-11"
	Deflection	5'-0"	6'-10"	6'-3"		Deflection	4'-3"	5'-8"	5'-3"

MX-13
Aluminum Perforated

0.050 in

Ix: 0.1954 in^4/ft
Sx: 0.2455 in^3/ft
Perforation: 33%

[2l·Ř LJǎŤ		{ĺyƎfŝ {LJl·y´ ó₹ΰύ	52dzōfŝ {LJl·y´ ó₹ΰύ	¢₦₪LJfŝ {LJl·y´ ó₹ΰύ	[2l·Ř LJǎŤ		{ĺyƎfŝ {LJl·y´ ó₹ΰύ	52dzōfŝ {LJl·y´ ó₹ΰύ	¢₦₪LJfŝ {LJl·y´ ó₹ΰύ
ол	{ύ₪ŝǎă	p⁴πфђ	p⁴πфђ	c⁴πpђ	ср	{ύ₪ŝǎă	o⁴πммђ	o⁴πммђ	п⁴ппђ
	5ŝ₹fŝÔúλ2y´	p⁴πфђ	т⁴πмлђ	т⁴πнђ		5ŝ₹fŝÔúλ2y´	п⁴πcђ	c⁴πлђ	p⁴πcђ
ор	{ύ₪ŝǎă	p⁴πпђ	p⁴πпђ	p⁴πммђ	тл	{ύ₪ŝǎă	o⁴πфђ	o⁴πфђ	п⁴πнђ
	5ŝ₹fŝÔúλ2y´	p⁴πcђ	т⁴πpђ	c⁴πмлђ		5ŝ₹fŝÔúλ2y´	п⁴πпђ	p⁴πммђ	p⁴πpђ
пл	{ύ₪ŝǎă	п⁴πммђ	п⁴πммђ	p⁴πcђ	тр	{ύ₪ŝǎă	o⁴πтђ	o⁴πтђ	п⁴πмђ
	5ŝ₹fŝÔúλ2y´	p⁴πoђ	т⁴πмђ	c⁴πcђ		5ŝ₹fŝÔúλ2y´	п⁴πoђ	p⁴πфђ	p⁴πoђ
пр	{ύ₪ŝǎă	п⁴πyђ	п⁴πyђ	p⁴πoђ	ул	{ύ₪ŝǎă	o⁴πcђ	o⁴πcђ	o⁴πммђ
	5ŝ₹fŝÔúλ2y´	p⁴πмђ	c⁴πмлђ	c⁴πoђ		5ŝ₹fŝÔúλ2y´	п⁴πнђ	p⁴πyђ	p⁴πнђ
рл	{ύ₪ŝǎă	п⁴πpђ	п⁴πpђ	п⁴πммђ	ур	{ύ₪ŝǎă	o⁴πpђ	o⁴πpђ	o⁴πмлђ
	5ŝ₹fŝÔúλ2y´	п⁴πмлђ	c⁴πтђ	c⁴πмђ		5ŝ₹fŝÔúλ2y´	п⁴πмђ	p⁴πcђ	p⁴πмђ
рр	{ύ₪ŝǎă	п⁴πoђ	п⁴πoђ	п⁴πфђ	фл	{ύ₪ŝǎă	o⁴πпђ	o⁴πпђ	o⁴πyђ
	5ŝ₹fŝÔúλ2y´	п⁴πфђ	c⁴πпђ	p⁴πмлђ		5ŝ₹fŝÔúλ2y´	п⁴πлђ	p⁴πpђ	p⁴πлђ
сл	{ύ₪ŝǎă	п⁴πмђ	п⁴πмђ	п⁴πcђ	фр	{ύ₪ŝǎă	o⁴πoђ	o⁴πoђ	o⁴πтђ
	5ŝ₹fŝÔúλ2y´	п⁴πтђ	c⁴πнђ	p⁴πyђ		5ŝ₹fŝÔúλ2y´	o⁴πммђ	p⁴πпђ	п⁴πммђ

See page 3 for standard notes

Load / Span Data

MX-13
Aluminum Perforated

0.050 in

Ix: 0.1534 in^4/ft
Sx: 0.2044 in^3/ft
Perforation: 40%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	6'-5"	6'-5"	7'-2"	55	Stress	3'-10"	3'-10"	4'-4"
	Deflection	6'-1"	8'-3"	7'-7"		Deflection	4'-4"	5'-11"	5'-5"
25	Stress	5'-9"	5'-9"	6'-5"	60	Stress	3'-8"	3'-8"	4'-2"
	Deflection	5'-8"	7'-8"	7'-0"		Deflection	4'-3"	5'-9"	5'-3"
30	Stress	5'-3"	5'-3"	5'-10"	65	Stress	3'-7"	3'-7"	4'-0"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	4'-1"	5'-7"	5'-1"
35	Stress	4'-10"	4'-10"	5'-5"	70	Stress	3'-5"	3'-5"	3'-10"
	Deflection	5'-1"	6'-10"	6'-3"		Deflection	4'-0"	5'-5"	5'-0"
40	Stress	4'-6"	4'-6"	5'-1"	75	Stress	3'-4"	3'-4"	3'-8"
	Deflection	4'-10"	6'-6"	6'-0"		Deflection	3'-11"	5'-4"	4'-10"
45	Stress	4'-3"	4'-3"	4'-9"	80	Stress	3'-2"	3'-2"	3'-7"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-10"	5'-2"	4'-9"
50	Stress	4'-1"	4'-1"	4'-6"	85	Stress	3'-1"	3'-1"	3'-6"
	Deflection	4'-6"	6'-1"	5'-7"		Deflection	3'-9"	5'-1"	4'-8"

MX-13
Aluminum Perforated

0.050 in

Ix: 0.1014 in^4/ft
Sx: 0.1535 in^3/ft
Perforation: 51%

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	5'-6"	5'-6"	6'-2"	55	Stress	3'-4"	3'-4"	3'-9"
	Deflection	5'-4"	7'-2"	6'-7"		Deflection	3'-10"	5'-1"	4'-8"
25	Stress	4'-11"	4'-11"	5'-6"	60	Stress	3'-2"	3'-2"	3'-7"
	Deflection	4'-11"	6'-8"	6'-1"		Deflection	3'-8"	5'-0"	4'-7"
30	Stress	4'-6"	4'-6"	5'-1"	65	Stress	3'-1"	3'-1"	3'-5"
	Deflection	4'-8"	6'-3"	5'-9"		Deflection	3'-7"	4'-10"	4'-5"
35	Stress	4'-2"	4'-2"	4'-8"	70	Stress	2'-12"	2'-12"	3'-4"
	Deflection	4'-5"	5'-11"	5'-6"		Deflection	3'-6"	4'-9"	4'-4"
40	Stress	3'-11"	3'-11"	4'-5"	75	Stress	2'-10"	2'-10"	3'-2"
	Deflection	4'-3"	5'-8"	5'-3"		Deflection	3'-5"	4'-7"	4'-3"
45	Stress	3'-8"	3'-8"	4'-2"	80	Stress	2'-9"	2'-9"	3'-1"
	Deflection	4'-1"	5'-6"	5'-0"		Deflection	3'-4"	4'-6"	4'-2"
50	Stress	3'-6"	3'-6"	3'-11"	85	Stress	2'-8"	2'-8"	3'-0"
	Deflection	3'-11"	5'-3"	4'-10"		Deflection	3'-3"	4'-5"	4'-1"

See page 3 for standard notes

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