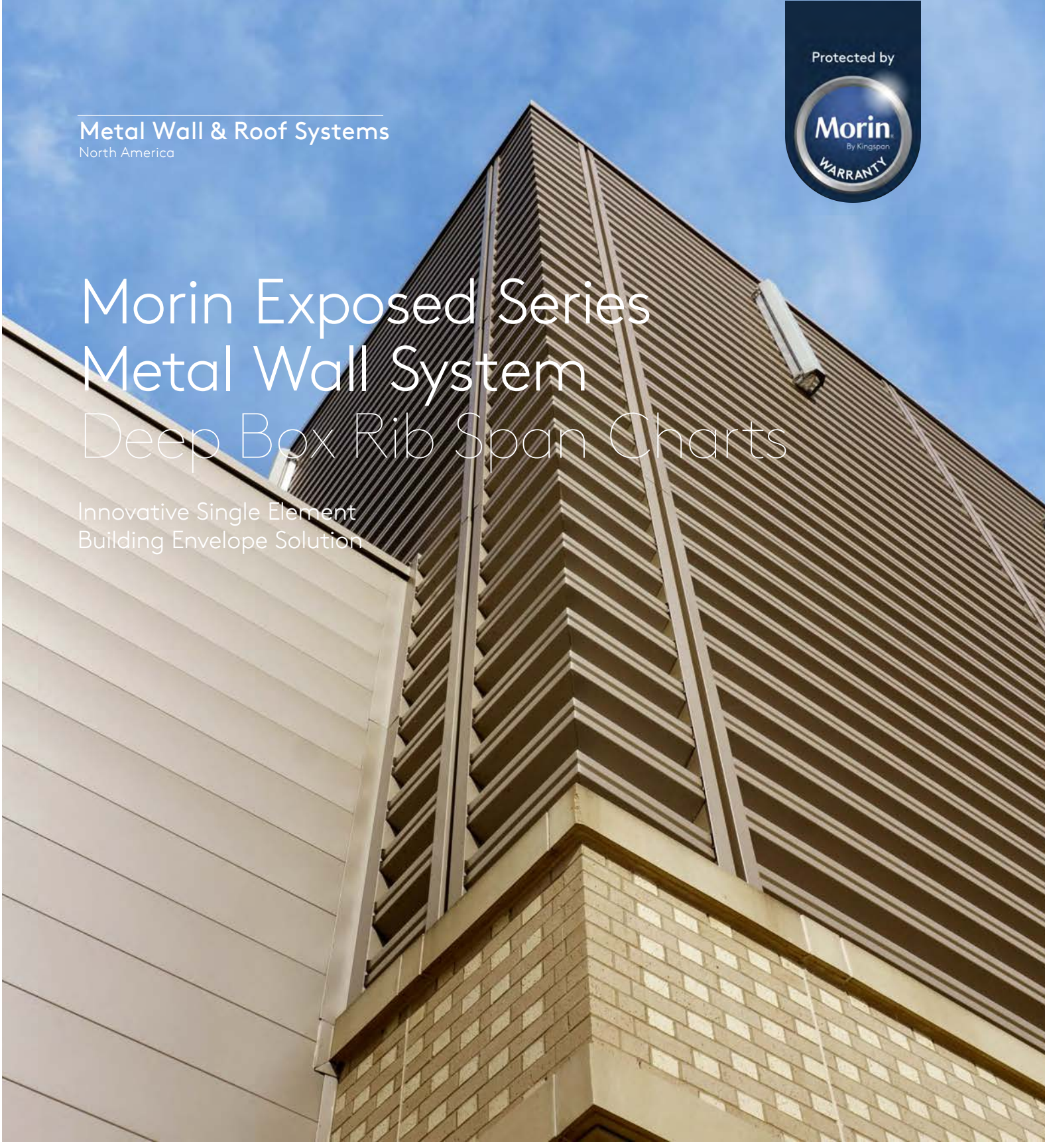


Metal Wall & Roof Systems
North America

Protected by Morin By Kingspan WARRANTY

Morin Exposed Series Metal Wall System

Deep Box Rib Span Charts

Innovative Single Element
Building Envelope Solution

PLANET PASSIONATE

Morin® By Kingspan

Product Data

Morin Exposed Series Range

The Morin Exposed Series features seventeen unique profiles (produced in several facilities). For wall applications, all Exposed Series panels are reversible with many asymmetrical panels offering a completely different profile per side chosen.

Deep Box Rib Profiles (See other booklets for additional options)

- **Exposed MR-36-EW Profile A/Profile B**
- **Exposed O-24-E Profile A/Profile B**
- **Exposed O-24-W Profile A/Profile B**
- **Exposed U-24-W Profile A/Profile B**

Applications

Weather-resistant or rainscreen rear-ventillated applications. Installed in Vertical or Horizontal orientations.

Available Lengths

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

Shorter and longer lengths available on request.

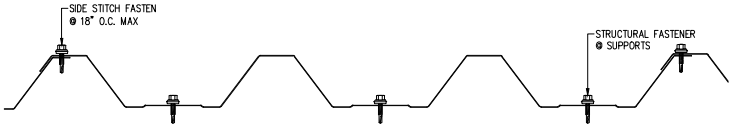
Standard Notes:

1. Numbers in the tables indicate clear span distance between the structural supports.
2. Section properties listed are for the solid base sheet.
3. Load and span values listed do not include consideration of fastener with washer/oversize washer, to be determined by qualified personnel.
4. Refer to the following page for fastening pattern across the panel (along the support) and side lap/side stitch fastening.
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. Galvalume material confirming to ASTM A792
8. Aluminum material confirming to 3003-H14; reach out to Morin technical for anodized (5005-H34) or any other Aluminum material
9. Please refer to Morin website for span charts pertaining to perforated panels.
10. For project specific calculations, please contact Morin Technical Services at 800-640-9501.

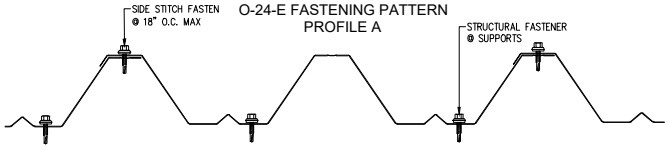
Deep Box Rib Profiles
Fastening Patterns:

PROFILE A

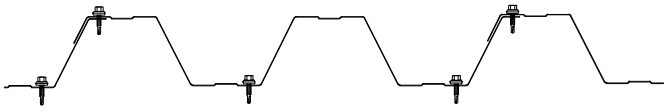
MR-36-EW FASTENING PATTERN
PROFILE A



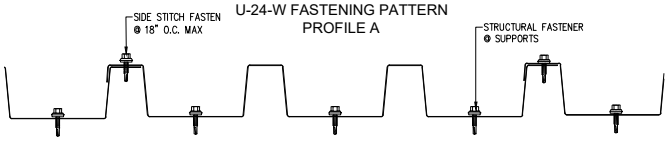
O-24-E FASTENING PATTERN
PROFILE A



O-24-W FASTENING PATTERN
PROFILE A

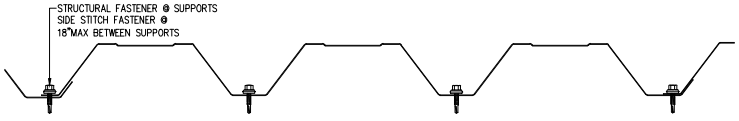


U-24-W FASTENING PATTERN
PROFILE A

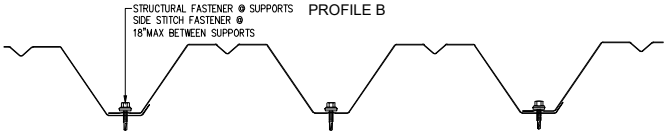


PROFILE B

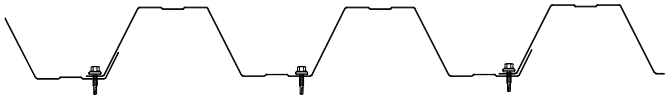
MR-36-EW FASTENING PATTERN
PROFILE B



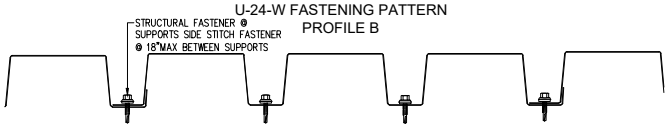
O-24-E FASTENING PATTERN
PROFILE B



O-24-W FASTENING PATTERN
PROFILE B



U-24-W FASTENING PATTERN
PROFILE B



Load / Span Data

MR-36-EW Galvalume

24 ga — Ix: 0.491 in^4/ft, Sx: 0.285 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	15'-1"	15'-1"	16'-11"	55	Stress	9'-1"	9'-1"	10'-2"
	Deflection	12'-11"	17'-5"	16'-0"		Deflection	9'-2"	12'-5"	11'-5"
25	Stress	13'-6"	13'-6"	15'-1"	60	Stress	8'-9"	8'-9"	9'-9"
	Deflection	12'-0"	16'-2"	14'-10"		Deflection	8'-11"	12'-1"	11'-1"
30	Stress	12'-4"	12'-4"	13'-9"	65	Stress	8'-5"	8'-5"	9'-4"
	Deflection	11'-3"	15'-3"	14'-0"		Deflection	8'-9"	11'-9"	10'-10"
35	Stress	11'-5"	11'-5"	12'-9"	70	Stress	8'-1"	8'-1"	9'-0"
	Deflection	10'-8"	14'-5"	13'-3"		Deflection	8'-6"	11'-6"	10'-6"
40	Stress	10'-8"	10'-8"	11'-11"	75	Stress	7'-10"	7'-10"	8'-9"
	Deflection	10'-3"	13'-10"	12'-8"		Deflection	8'-4"	11'-3"	10'-4"
45	Stress	10'-1"	10'-1"	11'-3"	80	Stress	7'-7"	7'-7"	8'-5"
	Deflection	9'-10"	13'-3"	12'-2"		Deflection	8'-2"	11'-0"	10'-1"
50	Stress	9'-7"	9'-7"	10'-8"	85	Stress	7'-4"	7'-4"	8'-2"
	Deflection	9'-6"	12'-10"	11'-9"		Deflection	8'-0"	10'-9"	9'-11"

MR-36-EW Galvalume

22 ga — Ix: 0.597 in^4/ft, Sx: 0.337 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	16'-5"	16'-5"	18'-4"	55	Stress	9'-11"	9'-11"	11'-1"
	Deflection	13'-9"	18'-7"	17'-1"		Deflection	9'-10"	13'-3"	12'-2"
25	Stress	14'-8"	14'-8"	16'-5"	60	Stress	9'-6"	9'-6"	10'-7"
	Deflection	12'-9"	17'-3"	15'-10"		Deflection	9'-7"	12'-11"	11'-10"
30	Stress	13'-5"	13'-5"	15'-0"	65	Stress	9'-1"	9'-1"	10'-2"
	Deflection	12'-0"	16'-3"	14'-11"		Deflection	9'-4"	12'-7"	11'-6"
35	Stress	12'-5"	12'-5"	13'-11"	70	Stress	8'-9"	8'-9"	9'-10"
	Deflection	11'-5"	15'-5"	14'-2"		Deflection	9'-1"	12'-3"	11'-3"
40	Stress	11'-7"	11'-7"	13'-0"	75	Stress	8'-6"	8'-6"	9'-6"
	Deflection	10'-11"	14'-9"	13'-7"		Deflection	8'-10"	12'-0"	11'-0"
45	Stress	10'-11"	10'-11"	12'-3"	80	Stress	8'-3"	8'-3"	9'-2"
	Deflection	10'-6"	14'-2"	13'-0"		Deflection	8'-8"	11'-8"	10'-9"
50	Stress	10'-5"	10'-5"	11'-7"	85	Stress	7'-12"	7'-12"	8'-11"
	Deflection	10'-2"	13'-8"	12'-7"		Deflection	8'-6"	11'-6"	10'-6"

See page 2 for standard notes

MR-36-EW Galvalume

20 ga

Ix: 0.738 in^4/ft
Sx: 0.427 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	18'-6"	18'-6"	20'-8"	55	Stress	11'-2"	11'-2"	12'-5"
	Deflection	14'-9"	19'-11"	18'-4"		Deflection	10'-7"	14'-3"	13'-1"
25	Stress	16'-6"	16'-6"	18'-6"	60	Stress	10'-8"	10'-8"	11'-11"
	Deflection	13'-9"	18'-6"	17'-0"		Deflection	10'-3"	13'-10"	12'-8"
30	Stress	15'-1"	15'-1"	16'-10"	65	Stress	10'-3"	10'-3"	11'-6"
	Deflection	12'-11"	17'-5"	16'-0"		Deflection	10'-0"	13'-6"	12'-4"
35	Stress	14'-0"	14'-0"	15'-7"	70	Stress	9'-11"	9'-11"	11'-1"
	Deflection	12'-3"	16'-7"	15'-2"		Deflection	9'-9"	13'-2"	12'-1"
40	Stress	13'-1"	13'-1"	14'-7"	75	Stress	9'-7"	9'-7"	10'-8"
	Deflection	11'-9"	15'-10"	14'-6"		Deflection	9'-6"	12'-10"	11'-9"
45	Stress	12'-4"	12'-4"	13'-9"	80	Stress	9'-3"	9'-3"	10'-4"
	Deflection	11'-3"	15'-3"	14'-0"		Deflection	9'-4"	12'-7"	11'-6"
50	Stress	11'-8"	11'-8"	13'-1"	85	Stress	8'-12"	8'-12"	10'-0"
	Deflection	10'-11"	14'-8"	13'-6"		Deflection	9'-1"	12'-4"	11'-4"

MR-36-EW Galvalume

18 ga

Ix: 0.963 in^4/ft
Sx: 0.557 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	21'-1"	21'-1"	23'-7"	55	Stress	12'-9"	12'-9"	14'-3"
	Deflection	16'-2"	21'-10"	20'-0"		Deflection	11'-6"	15'-7"	14'-3"
25	Stress	18'-10"	18'-10"	21'-1"	60	Stress	12'-2"	12'-2"	13'-7"
	Deflection	15'-0"	20'-3"	18'-7"		Deflection	11'-2"	15'-1"	13'-11"
30	Stress	17'-3"	17'-3"	19'-3"	65	Stress	11'-8"	11'-8"	13'-1"
	Deflection	14'-1"	19'-0"	17'-6"		Deflection	10'-11"	14'-9"	13'-6"
35	Stress	15'-11"	15'-11"	17'-10"	70	Stress	11'-3"	11'-3"	12'-7"
	Deflection	13'-5"	18'-1"	16'-7"		Deflection	10'-8"	14'-4"	13'-2"
40	Stress	14'-11"	14'-11"	16'-8"	75	Stress	10'-11"	10'-11"	12'-2"
	Deflection	12'-10"	17'-4"	15'-11"		Deflection	10'-5"	14'-0"	12'-11"
45	Stress	14'-1"	14'-1"	15'-9"	80	Stress	10'-7"	10'-7"	11'-10"
	Deflection	12'-4"	16'-8"	15'-3"		Deflection	10'-2"	13'-9"	12'-7"
50	Stress	13'-4"	13'-4"	14'-11"	85	Stress	10'-3"	10'-3"	11'-5"
	Deflection	11'-11"	16'-1"	14'-9"		Deflection	10'-0"	13'-5"	12'-4"

See page 2 for standard notes

Load / Span Data

MR-36-EW Aluminum

0.032 in

Ix: 0.658 in^4/ft
Sx: 0.381 in^3/ft

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'-0"	8'-0"	8'-11"	55	Stress	4'-10"	4'-10"	5'-4"
	Deflection	9'-11"	13'-5"	12'-4"		Deflection	7'-1"	9'-7"	8'-9"
25	Stress	7'-2"	7'-2"	8'-0"	60	Stress	4'-7"	4'-7"	5'-2"
	Deflection	9'-2"	12'-5"	11'-5"		Deflection	6'-10"	9'-3"	8'-6"
30	Stress	6'-6"	6'-6"	7'-3"	65	Stress	4'-5"	4'-5"	4'-11"
	Deflection	8'-8"	11'-8"	10'-9"		Deflection	6'-8"	9'-0"	8'-4"
35	Stress	6'-0"	6'-0"	6'-9"	70	Stress	4'-3"	4'-3"	4'-9"
	Deflection	8'-3"	11'-1"	10'-2"		Deflection	6'-6"	8'-10"	8'-1"
40	Stress	5'-8"	5'-8"	6'-4"	75	Stress	4'-1"	4'-1"	4'-7"
	Deflection	7'-10"	10'-7"	9'-9"		Deflection	6'-5"	8'-7"	7'-11"
45	Stress	5'-4"	5'-4"	5'-11"	80	Stress	3'-12"	3'-12"	4'-5"
	Deflection	7'-7"	10'-3"	9'-5"		Deflection	6'-3"	8'-5"	7'-9"
50	Stress	5'-0"	5'-0"	5'-8"	85	Stress	3'-10"	3'-10"	4'-4"
	Deflection	7'-4"	9'-10"	9'-1"		Deflection	6'-1"	8'-3"	7'-7"

MR-36-EW Aluminum

0.040 in

Ix: 0.8396 in^4/ft
Sx: 0.4825 in^3/ft

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'-0"	9'-0"	10'-0"	55	Stress	5'-5"	5'-5"	6'-1"
	Deflection	10'-9"	14'-6"	13'-4"		Deflection	7'-8"	10'-4"	9'-6"
25	Stress	8'-0"	8'-0"	9'-0"	60	Stress	5'-2"	5'-2"	5'-9"
	Deflection	10'-0"	13'-6"	12'-5"		Deflection	7'-5"	10'-1"	9'-3"
30	Stress	7'-4"	7'-4"	8'-2"	65	Stress	4'-12"	4'-12"	5'-7"
	Deflection	9'-5"	12'-8"	11'-8"		Deflection	7'-3"	9'-10"	9'-0"
35	Stress	6'-9"	6'-9"	7'-7"	70	Stress	4'-10"	4'-10"	5'-4"
	Deflection	8'-11"	12'-1"	11'-1"		Deflection	7'-1"	9'-7"	8'-9"
40	Stress	6'-4"	6'-4"	7'-1"	75	Stress	4'-8"	4'-8"	5'-2"
	Deflection	8'-6"	11'-6"	10'-7"		Deflection	6'-11"	9'-4"	8'-7"
45	Stress	6'-0"	6'-0"	6'-8"	80	Stress	4'-6"	4'-6"	5'-0"
	Deflection	8'-2"	11'-1"	10'-2"		Deflection	6'-9"	9'-2"	8'-5"
50	Stress	5'-8"	5'-8"	6'-4"	85	Stress	4'-4"	4'-4"	4'-10"
	Deflection	7'-11"	10'-8"	9'-10"		Deflection	6'-8"	9'-0"	8'-3"

See page 2 for standard notes

MR-36-EW
Aluminum

0.050 in

Ix: 0.9516 in^4/ft
Sx: 0.5197 in^3/ft

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'-4"	9'-4"	10'-5"	55	Stress	5'-7"	5'-7"	6'-3"
	Deflection	11'-3"	15'-2"	13'-11"		Deflection	8'-0"	10'-10"	9'-11"
25	Stress	8'-4"	8'-4"	9'-4"	60	Stress	5'-4"	5'-4"	6'-0"
	Deflection	10'-5"	14'-1"	12'-11"		Deflection	7'-9"	10'-6"	9'-8"
30	Stress	7'-7"	7'-7"	8'-6"	65	Stress	5'-2"	5'-2"	5'-9"
	Deflection	9'-10"	13'-3"	12'-2"		Deflection	7'-7"	10'-3"	9'-5"
35	Stress	7'-0"	7'-0"	7'-10"	70	Stress	4'-12"	4'-12"	5'-7"
	Deflection	9'-4"	12'-7"	11'-6"		Deflection	7'-5"	10'-0"	9'-2"
40	Stress	6'-7"	6'-7"	7'-4"	75	Stress	4'-10"	4'-10"	5'-4"
	Deflection	8'-11"	12'-0"	11'-0"		Deflection	7'-3"	9'-9"	8'-11"
45	Stress	6'-2"	6'-2"	6'-11"	80	Stress	4'-8"	4'-8"	5'-2"
	Deflection	8'-7"	11'-7"	10'-7"		Deflection	7'-1"	9'-6"	8'-9"
50	Stress	5'-11"	5'-11"	6'-7"	85	Stress	4'-6"	4'-6"	5'-1"
	Deflection	8'-3"	11'-2"	10'-3"		Deflection	6'-11"	9'-4"	8'-7"

See page 2 for standard notes

Load / Span Data

O-24-E Galvalume

24 ga — Ix: 0.911 in^4/ft, Sx: 0.424 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	18'-5"	18'-5"	20'-7"	55	Stress	11'-1"	11'-1"	12'-5"
	Deflection	15'-10"	21'-5"	19'-8"		Deflection	11'-4"	15'-3"	14'-0"
25	Stress	16'-6"	16'-6"	18'-5"	60	Stress	10'-8"	10'-8"	11'-11"
	Deflection	14'-9"	19'-10"	18'-3"		Deflection	11'-0"	14'-10"	13'-8"
30	Stress	15'-0"	15'-0"	16'-10"	65	Stress	10'-3"	10'-3"	11'-5"
	Deflection	13'-10"	18'-8"	17'-2"		Deflection	10'-8"	14'-5"	13'-3"
35	Stress	13'-11"	13'-11"	15'-7"	70	Stress	9'-10"	9'-10"	11'-0"
	Deflection	13'-2"	17'-9"	16'-4"		Deflection	10'-5"	14'-1"	12'-11"
40	Stress	13'-0"	13'-0"	14'-7"	75	Stress	9'-6"	9'-6"	10'-8"
	Deflection	12'-7"	17'-0"	15'-7"		Deflection	10'-2"	13'-9"	12'-8"
45	Stress	12'-3"	12'-3"	13'-9"	80	Stress	9'-3"	9'-3"	10'-4"
	Deflection	12'-1"	16'-4"	15'-0"		Deflection	10'-0"	13'-6"	12'-5"
50	Stress	11'-8"	11'-8"	13'-0"	85	Stress	8'-11"	8'-11"	10'-0"
	Deflection	11'-8"	15'-9"	14'-6"		Deflection	9'-9"	13'-3"	12'-2"

O-24-E Galvalume

22 ga — Ix: 1.14 in^4/ft, Sx: 0.53 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	20'-7"	20'-7"	23'-0"	55	Stress	12'-5"	12'-5"	13'-11"
	Deflection	17'-1"	23'-1"	21'-2"		Deflection	12'-2"	16'-5"	15'-1"
25	Stress	18'-5"	18'-5"	20'-7"	60	Stress	11'-11"	11'-11"	13'-4"
	Deflection	15'-10"	21'-5"	19'-8"		Deflection	11'-10"	16'-0"	14'-8"
30	Stress	16'-10"	16'-10"	18'-10"	65	Stress	11'-5"	11'-5"	12'-9"
	Deflection	14'-11"	20'-2"	18'-6"		Deflection	11'-6"	15'-7"	14'-4"
35	Stress	15'-7"	15'-7"	17'-5"	70	Stress	11'-0"	11'-0"	12'-4"
	Deflection	14'-2"	19'-2"	17'-7"		Deflection	11'-3"	15'-2"	13'-11"
40	Stress	14'-7"	14'-7"	16'-3"	75	Stress	10'-8"	10'-8"	11'-11"
	Deflection	13'-7"	18'-4"	16'-10"		Deflection	11'-0"	14'-10"	13'-8"
45	Stress	13'-9"	13'-9"	15'-4"	80	Stress	10'-4"	10'-4"	11'-6"
	Deflection	13'-0"	17'-7"	16'-2"		Deflection	10'-9"	14'-6"	13'-4"
50	Stress	13'-0"	13'-0"	14'-7"	85	Stress	9'-12"	9'-12"	11'-2"
	Deflection	12'-7"	17'-0"	15'-7"		Deflection	10'-7"	14'-3"	13'-1"

See page 2 for standard notes

O-24-E Galvalume

20 ga Ix: 1.369 in^4/ft
Sx: 0.636 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	22'-7"	22'-7"	25'-3"	55	Stress	13'-7"	13'-7"	15'-2"
	Deflection	18'-2"	24'-6"	22'-6"		Deflection	12'-11"	17'-6"	16'-1"
25	Stress	20'-2"	20'-2"	22'-7"	60	Stress	13'-0"	13'-0"	14'-7"
	Deflection	16'-10"	22'-9"	20'-11"		Deflection	12'-7"	17'-0"	15'-7"
30	Stress	18'-5"	18'-5"	20'-7"	65	Stress	12'-6"	12'-6"	14'-0"
	Deflection	15'-10"	21'-5"	19'-8"		Deflection	12'-3"	16'-7"	15'-2"
35	Stress	17'-1"	17'-1"	19'-1"	70	Stress	12'-1"	12'-1"	13'-6"
	Deflection	15'-1"	20'-4"	18'-8"		Deflection	11'-11"	16'-2"	14'-10"
40	Stress	15'-11"	15'-11"	17'-10"	75	Stress	11'-8"	11'-8"	13'-0"
	Deflection	14'-5"	19'-5"	17'-10"		Deflection	11'-8"	15'-9"	14'-6"
45	Stress	15'-0"	15'-0"	16'-10"	80	Stress	11'-3"	11'-3"	12'-7"
	Deflection	13'-10"	18'-8"	17'-2"		Deflection	11'-5"	15'-5"	14'-2"
50	Stress	14'-3"	14'-3"	15'-11"	85	Stress	10'-11"	10'-11"	12'-3"
	Deflection	13'-4"	18'-1"	16'-7"		Deflection	11'-2"	15'-2"	13'-11"

O-24-E Galvalume

18 ga Ix: 1.902 in^4/ft
Sx: 1.597 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	35'-9"	35'-9"	40'-0"	55	Stress	21'-7"	21'-7"	24'-1"
	Deflection	20'-3"	27'-4"	25'-1"		Deflection	14'-6"	19'-6"	17'-11"
25	Stress	32'-0"	32'-0"	35'-9"	60	Stress	20'-8"	20'-8"	23'-1"
	Deflection	18'-10"	25'-5"	23'-4"		Deflection	14'-1"	19'-0"	17'-5"
30	Stress	29'-2"	29'-2"	32'-8"	65	Stress	19'-10"	19'-10"	22'-2"
	Deflection	17'-8"	23'-11"	21'-11"		Deflection	13'-8"	18'-6"	17'-0"
35	Stress	27'-0"	27'-0"	30'-3"	70	Stress	19'-1"	19'-1"	21'-4"
	Deflection	16'-10"	22'-8"	20'-10"		Deflection	13'-4"	18'-0"	16'-7"
40	Stress	25'-3"	25'-3"	28'-3"	75	Stress	18'-6"	18'-6"	20'-8"
	Deflection	16'-1"	21'-8"	19'-11"		Deflection	13'-0"	17'-7"	16'-2"
45	Stress	23'-10"	23'-10"	26'-8"	80	Stress	17'-10"	17'-10"	20'-0"
	Deflection	15'-6"	20'-10"	19'-2"		Deflection	12'-9"	17'-3"	15'-10"
50	Stress	22'-7"	22'-7"	25'-3"	85	Stress	17'-4"	17'-4"	19'-5"
	Deflection	14'-11"	20'-2"	18'-6"		Deflection	12'-6"	16'-11"	15'-6"

See page 2 for standard notes

Load / Span Data

O-24-E
Aluminum

0.032 in

Ix: 1.22 in^4/ft
Sx: 0.567 in^3/ft

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	12'-2"	16'-5"	15'-1"		Deflection	8'-8"	11'-9"	10'-9"
25	Stress	8'-3"	8'-3"	9'-3"	60	Stress	5'-4"	5'-4"	6'-0"
	Deflection	11'-4"	15'-3"	14'-0"		Deflection	8'-5"	11'-5"	10'-6"
30	Stress	7'-7"	7'-7"	8'-5"	65	Stress	5'-2"	5'-2"	5'-9"
	Deflection	10'-8"	14'-4"	13'-2"		Deflection	8'-3"	11'-1"	10'-2"
35	Stress	7'-0"	7'-0"	7'-10"	70	Stress	4'-11"	4'-11"	5'-6"
	Deflection	10'-1"	13'-8"	12'-6"		Deflection	8'-0"	10'-10"	9'-11"
40	Stress	6'-6"	6'-6"	7'-4"	75	Stress	4'-9"	4'-9"	5'-4"
	Deflection	9'-8"	13'-1"	12'-0"		Deflection	7'-10"	10'-7"	9'-9"
45	Stress	6'-2"	6'-2"	6'-11"	80	Stress	4'-7"	4'-7"	5'-2"
	Deflection	9'-4"	12'-7"	11'-6"		Deflection	7'-8"	10'-4"	9'-6"
50	Stress	5'-10"	5'-10"	6'-6"	85	Stress	4'-6"	4'-6"	5'-0"
	Deflection	9'-0"	12'-1"	11'-2"		Deflection	7'-6"	10'-2"	9'-4"

O-24-E
Aluminum

0.040 in

Ix: 1.525 in^4/ft
Sx: 0.708 in^3/ft

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	13'-1"	17'-9"	16'-3"		Deflection	9'-4"	12'-8"	11'-7"
25	Stress	9'-3"	9'-3"	10'-4"	60	Stress	6'-0"	6'-0"	6'-8"
	Deflection	12'-2"	16'-5"	15'-1"		Deflection	9'-1"	12'-3"	11'-3"
30	Stress	8'-5"	8'-5"	9'-5"	65	Stress	5'-9"	5'-9"	6'-5"
	Deflection	11'-6"	15'-6"	14'-3"		Deflection	8'-10"	12'-0"	11'-0"
35	Stress	7'-10"	7'-10"	8'-9"	70	Stress	5'-6"	5'-6"	6'-2"
	Deflection	10'-11"	14'-8"	13'-6"		Deflection	8'-8"	11'-8"	10'-9"
40	Stress	7'-4"	7'-4"	8'-2"	75	Stress	5'-4"	5'-4"	6'-0"
	Deflection	10'-5"	14'-1"	12'-11"		Deflection	8'-5"	11'-5"	10'-6"
45	Stress	6'-11"	6'-11"	7'-8"	80	Stress	5'-2"	5'-2"	5'-9"
	Deflection	10'-0"	13'-6"	12'-5"		Deflection	8'-3"	11'-2"	10'-3"
50	Stress	6'-6"	6'-6"	7'-4"	85	Stress	5'-0"	5'-0"	5'-7"
	Deflection	9'-8"	13'-1"	12'-0"		Deflection	8'-1"	10'-11"	10'-1"

See page 2 for standard notes

O-24-E
Aluminum

0.050 in

Ix: 1.902 in^4/ft
Sx: 0.882 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	11'-6"	11'-6"	12'-11"	55	Stress	6'-11"	6'-11"	7'-9"
	Deflection	14'-1"	19'-1"	17'-6"		Deflection	10'-1"	13'-7"	12'-6"
25	Stress	10'-4"	10'-4"	11'-6"	60	Stress	6'-8"	6'-8"	7'-5"
	Deflection	13'-1"	17'-8"	16'-3"		Deflection	9'-10"	13'-3"	12'-2"
30	Stress	9'-5"	9'-5"	10'-6"	65	Stress	6'-5"	6'-5"	7'-2"
	Deflection	12'-4"	16'-8"	15'-4"		Deflection	9'-6"	12'-10"	11'-10"
35	Stress	8'-9"	8'-9"	9'-9"	70	Stress	6'-2"	6'-2"	6'-11"
	Deflection	11'-9"	15'-10"	14'-6"		Deflection	9'-4"	12'-7"	11'-6"
40	Stress	8'-2"	8'-2"	9'-1"	75	Stress	5'-11"	5'-11"	6'-8"
	Deflection	11'-3"	15'-2"	13'-11"		Deflection	9'-1"	12'-3"	11'-3"
45	Stress	7'-8"	7'-8"	8'-7"	80	Stress	5'-9"	5'-9"	6'-5"
	Deflection	10'-9"	14'-7"	13'-4"		Deflection	8'-11"	12'-0"	11'-0"
50	Stress	7'-3"	7'-3"	8'-2"	85	Stress	5'-7"	5'-7"	6'-3"
	Deflection	10'-5"	14'-1"	12'-11"		Deflection	8'-9"	11'-9"	10'-10"

See page 2 for standard notes

Load / Span Data

O-24-W Galvalume

24 ga — Ix: 1.006 in^4/ft, Sx: 0.484 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	19'-8"	19'-8"	22'-0"	55	Stress	11'-10"	11'-10"	13'-3"
	Deflection	16'-5"	22'-1"	20'-4"		Deflection	11'-8"	15'-9"	14'-6"
25	Stress	17'-7"	17'-7"	19'-8"	60	Stress	11'-4"	11'-4"	12'-8"
	Deflection	15'-2"	20'-6"	18'-10"		Deflection	11'-4"	15'-4"	14'-1"
30	Stress	16'-1"	16'-1"	18'-0"	65	Stress	10'-11"	10'-11"	12'-3"
	Deflection	14'-4"	19'-4"	17'-9"		Deflection	11'-1"	14'-11"	13'-9"
35	Stress	14'-11"	14'-11"	16'-8"	70	Stress	10'-6"	10'-6"	11'-9"
	Deflection	13'-7"	18'-4"	16'-10"		Deflection	10'-9"	14'-7"	13'-5"
40	Stress	13'-11"	13'-11"	15'-7"	75	Stress	10'-2"	10'-2"	11'-4"
	Deflection	13'-0"	17'-7"	16'-1"		Deflection	10'-7"	14'-3"	13'-1"
45	Stress	13'-1"	13'-1"	14'-8"	80	Stress	9'-10"	9'-10"	11'-0"
	Deflection	12'-6"	16'-11"	15'-6"		Deflection	10'-4"	13'-11"	12'-10"
50	Stress	12'-5"	12'-5"	13'-11"	85	Stress	9'-7"	9'-7"	10'-8"
	Deflection	12'-1"	16'-4"	15'-0"		Deflection	10'-1"	13'-8"	12'-6"

O-24-W Galvalume

22 ga — Ix: 1.2 in^4/ft, Sx: 0.577 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	21'-6"	21'-6"	24'-0"	55	Stress	12'-11"	12'-11"	14'-6"
	Deflection	17'-4"	23'-5"	21'-7"		Deflection	12'-5"	16'-9"	15'-5"
25	Stress	19'-3"	19'-3"	21'-6"	60	Stress	12'-5"	12'-5"	13'-10"
	Deflection	16'-2"	21'-9"	20'-0"		Deflection	12'-1"	16'-3"	14'-11"
30	Stress	17'-7"	17'-7"	19'-7"	65	Stress	11'-11"	11'-11"	13'-4"
	Deflection	15'-2"	20'-6"	18'-10"		Deflection	11'-9"	15'-10"	14'-7"
35	Stress	16'-3"	16'-3"	18'-2"	70	Stress	11'-6"	11'-6"	12'-10"
	Deflection	14'-5"	19'-6"	17'-11"		Deflection	11'-5"	15'-5"	14'-2"
40	Stress	15'-2"	15'-2"	17'-0"	75	Stress	11'-1"	11'-1"	12'-5"
	Deflection	13'-9"	18'-7"	17'-1"		Deflection	11'-2"	15'-1"	13'-10"
45	Stress	14'-4"	14'-4"	16'-0"	80	Stress	10'-9"	10'-9"	12'-0"
	Deflection	13'-3"	17'-11"	16'-5"		Deflection	10'-11"	14'-9"	13'-7"
50	Stress	13'-7"	13'-7"	15'-2"	85	Stress	10'-5"	10'-5"	11'-8"
	Deflection	12'-10"	17'-3"	15'-10"		Deflection	10'-9"	14'-6"	13'-4"

See page 2 for standard notes

O-24-W Galvalume

20 ga

Ix: 1.511 in^4/ft
Sx: 0.725 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	24'-1"	24'-1"	26'-11"	55	Stress	14'-6"	14'-6"	16'-3"
	Deflection	18'-9"	25'-4"	23'-3"		Deflection	13'-5"	18'-1"	16'-7"
25	Stress	21'-7"	21'-7"	24'-1"	60	Stress	13'-11"	13'-11"	15'-7"
	Deflection	17'-5"	23'-6"	21'-7"		Deflection	13'-0"	17'-7"	16'-2"
30	Stress	19'-8"	19'-8"	22'-0"	65	Stress	13'-4"	13'-4"	14'-11"
	Deflection	16'-5"	22'-2"	20'-4"		Deflection	12'-8"	17'-1"	15'-8"
35	Stress	18'-2"	18'-2"	20'-4"	70	Stress	12'-10"	12'-10"	14'-5"
	Deflection	15'-7"	21'-0"	19'-4"		Deflection	12'-4"	16'-8"	15'-4"
40	Stress	17'-0"	17'-0"	19'-0"	75	Stress	12'-5"	12'-5"	13'-11"
	Deflection	14'-11"	20'-1"	18'-6"		Deflection	12'-1"	16'-4"	15'-0"
45	Stress	16'-1"	16'-1"	17'-11"	80	Stress	12'-1"	12'-1"	13'-6"
	Deflection	14'-4"	19'-4"	17'-9"		Deflection	11'-10"	15'-11"	14'-8"
50	Stress	15'-3"	15'-3"	17'-0"	85	Stress	11'-8"	11'-8"	13'-1"
	Deflection	13'-10"	18'-8"	17'-2"		Deflection	11'-7"	15'-8"	14'-4"

O-24-W Galvalume

18 ga

Ix: 1.996 in^4/ft
Sx: 0.955 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	27'-8"	27'-8"	30'-11"	55	Stress	16'-8"	16'-8"	18'-8"
	Deflection	20'-7"	27'-10"	25'-6"		Deflection	14'-8"	19'-10"	18'-3"
25	Stress	24'-9"	24'-9"	27'-8"	60	Stress	15'-12"	15'-12"	17'-10"
	Deflection	19'-1"	25'-10"	23'-8"		Deflection	14'-3"	19'-3"	17'-8"
30	Stress	22'-7"	22'-7"	25'-3"	65	Stress	15'-4"	15'-4"	17'-2"
	Deflection	18'-0"	24'-3"	22'-4"		Deflection	13'-11"	18'-9"	17'-3"
35	Stress	20'-11"	20'-11"	23'-4"	70	Stress	14'-9"	14'-9"	16'-6"
	Deflection	17'-1"	23'-1"	21'-2"		Deflection	13'-7"	18'-4"	16'-10"
40	Stress	19'-7"	19'-7"	21'-10"	75	Stress	14'-3"	14'-3"	16'-0"
	Deflection	16'-4"	22'-1"	20'-3"		Deflection	13'-3"	17'-11"	16'-5"
45	Stress	18'-5"	18'-5"	20'-7"	80	Stress	13'-10"	13'-10"	15'-5"
	Deflection	15'-9"	21'-3"	19'-6"		Deflection	13'-0"	17'-6"	16'-1"
50	Stress	17'-6"	17'-6"	19'-7"	85	Stress	13'-5"	13'-5"	15'-0"
	Deflection	15'-2"	20'-6"	18'-10"		Deflection	12'-9"	17'-2"	15'-9"

See page 2 for standard notes

Load / Span Data

O-24-W Aluminum

0.032 in

Ix: 1.347 in^4/ft
Sx: 0.647 in^3/ft

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'-8"	8'-8"	9'-9"	55	Stress	5'-3"	5'-3"	5'-10"
	Deflection	12'-7"	17'-0"	15'-7"		Deflection	9'-0"	12'-2"	11'-2"
25	Stress	7'-9"	7'-9"	8'-8"	60	Stress	5'-0"	5'-0"	5'-7"
	Deflection	11'-8"	15'-9"	14'-6"		Deflection	8'-9"	11'-9"	10'-10"
30	Stress	7'-1"	7'-1"	7'-11"	65	Stress	4'-10"	4'-10"	5'-5"
	Deflection	11'-0"	14'-10"	13'-8"		Deflection	8'-6"	11'-6"	10'-6"
35	Stress	6'-7"	6'-7"	7'-4"	70	Stress	4'-8"	4'-8"	5'-2"
	Deflection	10'-5"	14'-1"	12'-11"		Deflection	8'-3"	11'-2"	10'-3"
40	Stress	6'-2"	6'-2"	6'-10"	75	Stress	4'-6"	4'-6"	5'-0"
	Deflection	10'-0"	13'-6"	12'-5"		Deflection	8'-1"	10'-11"	10'-1"
45	Stress	5'-10"	5'-10"	6'-6"	80	Stress	4'-4"	4'-4"	4'-10"
	Deflection	9'-7"	13'-0"	11'-11"		Deflection	7'-11"	10'-8"	9'-10"
50	Stress	5'-6"	5'-6"	6'-2"	85	Stress	4'-3"	4'-3"	4'-9"
	Deflection	9'-3"	12'-6"	11'-6"		Deflection	7'-9"	10'-6"	9'-8"

O-24-W Aluminum

0.040 in

Ix: 1.682 in^4/ft
Sx: 0.806 in^3/ft

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'-8"	9'-8"	10'-10"	55	Stress	5'-10"	5'-10"	6'-6"
	Deflection	13'-7"	18'-4"	16'-10"		Deflection	9'-8"	13'-1"	12'-0"
25	Stress	8'-8"	8'-8"	9'-8"	60	Stress	5'-7"	5'-7"	6'-3"
	Deflection	12'-7"	17'-0"	15'-7"		Deflection	9'-5"	12'-8"	11'-8"
30	Stress	7'-11"	7'-11"	8'-10"	65	Stress	5'-5"	5'-5"	6'-0"
	Deflection	11'-10"	16'-0"	14'-8"		Deflection	9'-2"	12'-4"	11'-4"
35	Stress	7'-4"	7'-4"	8'-2"	70	Stress	5'-2"	5'-2"	5'-10"
	Deflection	11'-3"	15'-2"	13'-11"		Deflection	8'-11"	12'-1"	11'-1"
40	Stress	6'-10"	6'-10"	7'-8"	75	Stress	5'-0"	5'-0"	5'-7"
	Deflection	10'-9"	14'-6"	13'-4"		Deflection	8'-9"	11'-9"	10'-10"
45	Stress	6'-6"	6'-6"	7'-3"	80	Stress	4'-10"	4'-10"	5'-5"
	Deflection	10'-4"	14'-0"	12'-10"		Deflection	8'-6"	11'-6"	10'-7"
50	Stress	6'-2"	6'-2"	6'-10"	85	Stress	4'-8"	4'-8"	5'-3"
	Deflection	10'-0"	13'-6"	12'-5"		Deflection	8'-4"	11'-4"	10'-5"

See page 2 for standard notes

O-24-W
Aluminum

0.050 in

Ix: 2.1046 in^4/ft
Sx: 1.0056 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	14'-2"	14'-2"	15'-10"	55	Stress	8'-7"	8'-7"	9'-7"
	Deflection	14'-7"	19'-9"	18'-1"		Deflection	10'-5"	14'-1"	12'-11"
25	Stress	12'-8"	12'-8"	14'-2"	60	Stress	8'-2"	8'-2"	9'-2"
	Deflection	13'-7"	18'-4"	16'-10"		Deflection	10'-2"	13'-8"	12'-7"
30	Stress	11'-7"	11'-7"	12'-11"	65	Stress	7'-10"	7'-10"	8'-10"
	Deflection	12'-9"	17'-3"	15'-10"		Deflection	9'-10"	13'-4"	12'-3"
35	Stress	10'-9"	10'-9"	12'-0"	70	Stress	7'-7"	7'-7"	8'-6"
	Deflection	12'-1"	16'-4"	15'-0"		Deflection	9'-7"	13'-0"	11'-11"
40	Stress	10'-0"	10'-0"	11'-3"	75	Stress	7'-4"	7'-4"	8'-2"
	Deflection	11'-7"	15'-8"	14'-5"		Deflection	9'-5"	12'-8"	11'-8"
45	Stress	9'-5"	9'-5"	10'-7"	80	Stress	7'-1"	7'-1"	7'-11"
	Deflection	11'-2"	15'-1"	13'-10"		Deflection	9'-2"	12'-5"	11'-5"
50	Stress	9'-0"	9'-0"	10'-0"	85	Stress	6'-11"	6'-11"	7'-8"
	Deflection	10'-9"	14'-6"	13'-4"		Deflection	9'-0"	12'-2"	11'-2"

See page 2 for standard notes

Load / Span Data

U-24-W Galvalume

24 ga

Ix: 0.674 in^4/ft
Sx: 0.365 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	17'-1"	17'-1"	19'-1"	55	Stress	10'-4"	10'-4"	11'-6"
	Deflection	14'-4"	19'-4"	17'-9"		Deflection	10'-3"	13'-10"	12'-8"
25	Stress	15'-3"	15'-3"	17'-1"	60	Stress	9'-10"	9'-10"	11'-0"
	Deflection	13'-4"	18'-0"	16'-6"		Deflection	9'-11"	13'-5"	12'-4"
30	Stress	13'-11"	13'-11"	15'-7"	65	Stress	9'-6"	9'-6"	10'-7"
	Deflection	12'-6"	16'-11"	15'-6"		Deflection	9'-8"	13'-1"	12'-0"
35	Stress	12'-11"	12'-11"	14'-5"	70	Stress	9'-2"	9'-2"	10'-3"
	Deflection	11'-11"	16'-1"	14'-9"		Deflection	9'-5"	12'-9"	11'-9"
40	Stress	12'-1"	12'-1"	13'-6"	75	Stress	8'-10"	8'-10"	9'-10"
	Deflection	11'-5"	15'-4"	14'-1"		Deflection	9'-3"	12'-5"	11'-5"
45	Stress	11'-5"	11'-5"	12'-9"	80	Stress	8'-6"	8'-6"	9'-7"
	Deflection	10'-11"	14'-9"	13'-7"		Deflection	9'-0"	12'-2"	11'-2"
50	Stress	10'-10"	10'-10"	12'-1"	85	Stress	8'-3"	8'-3"	9'-3"
	Deflection	10'-7"	14'-3"	13'-1"		Deflection	8'-10"	11'-11"	11'-0"

U-24-W Galvalume

22 ga

Ix: 0.844 in^4/ft
Sx: 0.456 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	19'-1"	19'-1"	21'-4"	55	Stress	11'-6"	11'-6"	12'-11"
	Deflection	15'-5"	20'-10"	19'-2"		Deflection	11'-0"	14'-11"	13'-8"
25	Stress	17'-1"	17'-1"	19'-1"	60	Stress	11'-0"	11'-0"	12'-4"
	Deflection	14'-4"	19'-4"	17'-9"		Deflection	10'-9"	14'-6"	13'-3"
30	Stress	15'-7"	15'-7"	17'-5"	65	Stress	10'-7"	10'-7"	11'-10"
	Deflection	13'-6"	18'-3"	16'-9"		Deflection	10'-5"	14'-1"	12'-11"
35	Stress	14'-5"	14'-5"	16'-2"	70	Stress	10'-3"	10'-3"	11'-5"
	Deflection	12'-10"	17'-4"	15'-11"		Deflection	10'-2"	13'-9"	12'-7"
40	Stress	13'-6"	13'-6"	15'-1"	75	Stress	9'-10"	9'-10"	11'-0"
	Deflection	12'-3"	16'-7"	15'-2"		Deflection	9'-11"	13'-5"	12'-4"
45	Stress	12'-9"	12'-9"	14'-3"	80	Stress	9'-7"	9'-7"	10'-8"
	Deflection	11'-9"	15'-11"	14'-7"		Deflection	9'-9"	13'-2"	12'-1"
50	Stress	12'-1"	12'-1"	13'-6"	85	Stress	9'-3"	9'-3"	10'-4"
	Deflection	11'-5"	15'-4"	14'-1"		Deflection	9'-6"	12'-11"	11'-10"

See page 2 for standard notes

U-24-W Galvalume

20 ga

Ix: 1.016 in^4/ft
Sx: 0.548 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	20'-11"	20'-11"	23'-5"	55	Stress	12'-8"	12'-8"	14'-1"
	Deflection	16'-5"	22'-2"	20'-5"		Deflection	11'-9"	15'-10"	14'-7"
25	Stress	18'-9"	18'-9"	20'-11"	60	Stress	12'-1"	12'-1"	13'-6"
	Deflection	15'-3"	20'-7"	18'-11"		Deflection	11'-5"	15'-5"	14'-2"
30	Stress	17'-1"	17'-1"	19'-1"	65	Stress	11'-7"	11'-7"	13'-0"
	Deflection	14'-4"	19'-5"	17'-10"		Deflection	11'-1"	15'-0"	13'-9"
35	Stress	15'-10"	15'-10"	17'-8"	70	Stress	11'-2"	11'-2"	12'-6"
	Deflection	13'-8"	18'-5"	16'-11"		Deflection	10'-10"	14'-7"	13'-5"
40	Stress	14'-10"	14'-10"	16'-7"	75	Stress	10'-10"	10'-10"	12'-1"
	Deflection	13'-1"	17'-7"	16'-2"		Deflection	10'-7"	14'-3"	13'-1"
45	Stress	14'-0"	14'-0"	15'-7"	80	Stress	10'-6"	10'-6"	11'-8"
	Deflection	12'-7"	16'-11"	15'-7"		Deflection	10'-4"	14'-0"	12'-10"
50	Stress	13'-3"	13'-3"	14'-10"	85	Stress	10'-2"	10'-2"	11'-4"
	Deflection	12'-1"	16'-4"	15'-0"		Deflection	10'-2"	13'-8"	12'-7"

U-24-W Galvalume

18 ga

Ix: 1.351 in^4/ft
Sx: 0.728 in^3/ft

Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)	Load psf		Single Span (ft)	Double Span (ft)	Triple Span (ft)
20	Stress	24'-2"	24'-2"	27'-0"	55	Stress	14'-7"	14'-7"	16'-3"
	Deflection	18'-1"	24'-5"	22'-5"		Deflection	12'-11"	17'-5"	16'-0"
25	Stress	21'-7"	21'-7"	24'-2"	60	Stress	13'-11"	13'-11"	15'-7"
	Deflection	16'-9"	22'-8"	20'-10"		Deflection	12'-6"	16'-11"	15'-6"
30	Stress	19'-8"	19'-8"	22'-0"	65	Stress	13'-5"	13'-5"	15'-0"
	Deflection	15'-9"	21'-4"	19'-7"		Deflection	12'-2"	16'-6"	15'-2"
35	Stress	18'-3"	18'-3"	20'-5"	70	Stress	12'-11"	12'-11"	14'-5"
	Deflection	15'-0"	20'-3"	18'-7"		Deflection	11'-11"	16'-1"	14'-9"
40	Stress	17'-1"	17'-1"	19'-1"	75	Stress	12'-6"	12'-6"	13'-11"
	Deflection	14'-4"	19'-4"	17'-9"		Deflection	11'-8"	15'-8"	14'-5"
45	Stress	16'-1"	16'-1"	18'-0"	80	Stress	12'-1"	12'-1"	13'-6"
	Deflection	13'-10"	18'-7"	17'-1"		Deflection	11'-5"	15'-4"	14'-1"
50	Stress	15'-3"	15'-3"	17'-1"	85	Stress	11'-8"	11'-8"	13'-1"
	Deflection	13'-4"	18'-0"	16'-6"		Deflection	11'-2"	15'-1"	13'-10"

See page 2 for standard notes

Load / Span Data

U-24-W Aluminum

0.032 in

Ix: 0.903 in^4/ft
Sx: 0.488 in^3/ft

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'-0"	55	Stress	4'-10"	4'-10"	5'-5"
	Deflection	11'-0"	14'-11"	13'-8"		Deflection	7'-10"	10'-7"	9'-9"
25	Stress	7'-2"	7'-2"	8'-1"	60	Stress	4'-8"	4'-8"	5'-2"
	Deflection	10'-3"	13'-10"	12'-8"		Deflection	7'-8"	10'-4"	9'-6"
30	Stress	6'-7"	6'-7"	7'-4"	65	Stress	4'-6"	4'-6"	5'-0"
	Deflection	9'-8"	13'-0"	11'-11"		Deflection	7'-5"	10'-1"	9'-3"
35	Stress	6'-1"	6'-1"	6'-10"	70	Stress	4'-4"	4'-4"	4'-10"
	Deflection	9'-2"	12'-4"	11'-4"		Deflection	7'-3"	9'-10"	9'-0"
40	Stress	5'-8"	5'-8"	6'-4"	75	Stress	4'-2"	4'-2"	4'-8"
	Deflection	8'-9"	11'-10"	10'-10"		Deflection	7'-1"	9'-7"	8'-10"
45	Stress	5'-4"	5'-4"	6'-0"	80	Stress	4'-0"	4'-0"	4'-6"
	Deflection	8'-5"	11'-4"	10'-5"		Deflection	6'-11"	9'-4"	8'-7"
50	Stress	5'-1"	5'-1"	5'-8"	85	Stress	3'-11"	3'-11"	4'-4"
	Deflection	8'-1"	11'-0"	10'-1"		Deflection	6'-10"	9'-2"	8'-5"

U-24-W Aluminum

0.040 in

Ix: 1.113 in^4/ft
Sx: 0.61 in^3/ft

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'-0"	9'-0"	10'-1"	55	Stress	5'-5"	5'-5"	6'-1"
	Deflection	11'-10"	15'-11"	14'-8"		Deflection	8'-5"	11'-5"	10'-5"
25	Stress	8'-1"	8'-1"	9'-0"	60	Stress	5'-2"	5'-2"	5'-10"
	Deflection	11'-0"	14'-10"	13'-7"		Deflection	8'-2"	11'-1"	10'-2"
30	Stress	7'-4"	7'-4"	8'-3"	65	Stress	4'-12"	4'-12"	5'-7"
	Deflection	10'-4"	13'-11"	12'-10"		Deflection	8'-0"	10'-9"	9'-11"
35	Stress	6'-10"	6'-10"	7'-7"	70	Stress	4'-10"	4'-10"	5'-5"
	Deflection	9'-10"	13'-3"	12'-2"		Deflection	7'-9"	10'-6"	9'-8"
40	Stress	6'-4"	6'-4"	7'-1"	75	Stress	4'-8"	4'-8"	5'-2"
	Deflection	9'-5"	12'-8"	11'-8"		Deflection	7'-7"	10'-3"	9'-5"
45	Stress	6'-0"	6'-0"	6'-9"	80	Stress	4'-6"	4'-6"	5'-0"
	Deflection	9'-0"	12'-2"	11'-2"		Deflection	7'-5"	10'-1"	9'-3"
50	Stress	5'-8"	5'-8"	6'-4"	85	Stress	4'-4"	4'-4"	4'-11"
	Deflection	8'-8"	11'-9"	10'-10"		Deflection	7'-4"	9'-10"	9'-1"

See page 2 for standard notes

U-24-W
Aluminum

0.050 in

Ix: 1.414 in^4/ft
Sx: 0.761 in^3/ft

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'-1"	10'-1"	11'-3"	55	Stress	6'-1"	6'-1"	6'-9"
	Deflection	12'-10"	17'-3"	15'-10"		Deflection	9'-2"	12'-4"	11'-4"
25	Stress	9'-0"	9'-0"	10'-1"	60	Stress	5'-10"	5'-10"	6'-6"
	Deflection	11'-11"	16'-0"	14'-9"		Deflection	8'-10"	12'-0"	11'-0"
30	Stress	8'-3"	8'-3"	9'-2"	65	Stress	5'-7"	5'-7"	6'-3"
	Deflection	11'-2"	15'-1"	13'-10"		Deflection	8'-8"	11'-8"	10'-9"
35	Stress	7'-7"	7'-7"	8'-6"	70	Stress	5'-5"	5'-5"	6'-0"
	Deflection	10'-7"	14'-4"	13'-2"		Deflection	8'-5"	11'-5"	10'-5"
40	Stress	7'-1"	7'-1"	7'-11"	75	Stress	5'-2"	5'-2"	5'-10"
	Deflection	10'-2"	13'-9"	12'-7"		Deflection	8'-3"	11'-1"	10'-3"
45	Stress	6'-8"	6'-8"	7'-6"	80	Stress	5'-0"	5'-0"	5'-7"
	Deflection	9'-9"	13'-2"	12'-1"		Deflection	8'-1"	10'-11"	10'-0"
50	Stress	6'-4"	6'-4"	7'-1"	85	Stress	4'-11"	4'-11"	5'-5"
	Deflection	9'-5"	12'-9"	11'-8"		Deflection	7'-11"	10'-8"	9'-10"

See page 2 for standard notes

Contact Details

USA

HQ / East
685 Middle Street | Bristol
CT 06010

T: 1-800-640-9501

West
10707 Commerce Way | Fontana
CA 92337

T: 1-800-700-6140

South
1975 Eidson Drive | DeLand
FL 32724

T: 1-800-640-9501

Central
15000 Panatela Parkway | Little Rock
AR 72206

T: 1-800-640-9501

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