

UNION CORRUGATING COMPANY

MasterRib Roof Panel

36" wide, 26 ga. (min) Steel Panel over Steel Supports

Span Condition	Loading Type	Allowable Load (psf)								
		Support Spacing (ft)								
		1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.50	5.00
Two Span	Uplift	138.3	118.5	103.7	83.0	69.2	59.3	51.9	46.1	37.7
Three Span	Uplift	157.2	134.7	117.9	94.3	78.6	67.4	58.9	52.4	47.2
Four or More Spans	Uplift	151.3	129.6	113.4	90.8	75.6	64.8	56.7	50.4	44.1

Notes:

1. Allowable load for each condition is the smallest load calculated based on fastener capacity, panel strength and deflection limit of L/180. Allowable loads are calculated for minimum 26 ga. panel.
2. The wind load is taken as 0.7 times the "component and cladding" loads for the purpose of determining deflection limit.
3. The panel allowable properties are determined from full scale ASTM E1592-01 test at 5' 0" span
4. The panel fasteners are #12-14 x 1" long self drilling screws with washers. Fastener spacing across panel width is 9.0" o.c. in the interior supports and 3.5"-5.5"-3.5" o.c. at panel ends.
5. Sidelap fasteners are 1/4"-14 x 7/8" long self drilling screws with washer at 30" o.c.
6. Steel supports are minimum 16 ga. All supports must be designed to resist all loads imposed on the panel.
7. The panels may span from eave to ridge or rake to rake.
8. Panels must be installed as per Evaluation Report FL 9555.2 and Union current installation procedure.



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