



1 Metal Roof Deck Panels * / “Redi-Roof Standing Seam”

No. 24 MSG min thick coated steel; panel width max 18 in., min 12 in. Panel may be with or without offsets at ribs. Rib height with offsets 1-9/16 in. Rib height without offsets 1-3/8 in. Panels continuous over three or more clips with no end laps. A bead of sealant may be used at panel side joints.

2 Roof Deck Fasteners* (Panel Clips) / “Redi-Roof Standing Seam Clip”

One piece assembly, 2-1/4 in. wide, 1-3/8 in. high. No. 24 MSG min thick coated steel. Clips spaced 18 in. OC, fastened to nailable insulation (Item 5A).

3A Fasteners (Screws)

Fasteners used to attach panel clip (Item 2) to nailable insulation (Item 5A) to be No. 8-8 by 1-1/4 in. long bugle-head coated steel wood screws with a No. 2 Phillips drive. Min two fasteners per clip to be used.

4 Underlayment

Underlayment used over plywood deck to be 30 lb organic felt. Sides overlapped min 8 in., end laps per manufacturer’s instructions. Felt nailed to plywood deck with staples at a random spacing.

5A Nailable Insulation

Consisting of 1 in. min to 3-1/2 in. max thickness. Classified Polyisocyanurate foamed plastic with a factory laminated 7/16 in. thick APA rated O.S.B density of foamed plastic to be 2 pcf.

6A Supports (Purlins) / (Not Shown)

Purlins used for liner panel support to be cold formed steel sections. As alternatives, structural steel components (hold rolled beams, channels, open web joists, etc.) may be used. Min gauge and yield to depend on design considerations for uplift loading. Max spacing to depend on design considerations for uplift loading.

7A Fasteners (Screws)

Fasteners used to attach nailable insulation to steel deck (Item 8) to be No. 11-13, No. 3 Phillips drive, truss head, painted steel screws. Length to depend on overall thickness of deck and to penetrate steel deck 1/2 in. min. A 2 in. diameter formed pressure plate fabricated from No. 22 MSG coated steel to be used with each screw. Fasteners located in three rows along the 8 ft length of the nailable insulation beginning 6 in. from the 8 ft edges with a row down the center and spaced 21 in. beginning 6 in. from the 4 ft edges OC. A total of 15 fasteners used for each 4 by 8 ft board.

8 Liner Panel (Steel Deck)

No. 22 MSG min thickness coated steel. Min depth 1-1/2 in. max pitch 6 in. fabricated to various profiles. Min yield strength 33,000 psi. Fastened to supports (Item 6A) with fastener type and spacing per liner panel manufacturers instructions for uplift loading.

9 Gypsum Board (Optional) / (Not Shown)

Max thickness 5/8 in. supplied in 4 by 8 ft sheets. Butt joints located over crests of steel deck. Fastened to deck with same fasteners used for nailable insulation.

Refer to General Information, Roof Deck Construction for items not evaluated.

*Bearing the UL Classification Marking