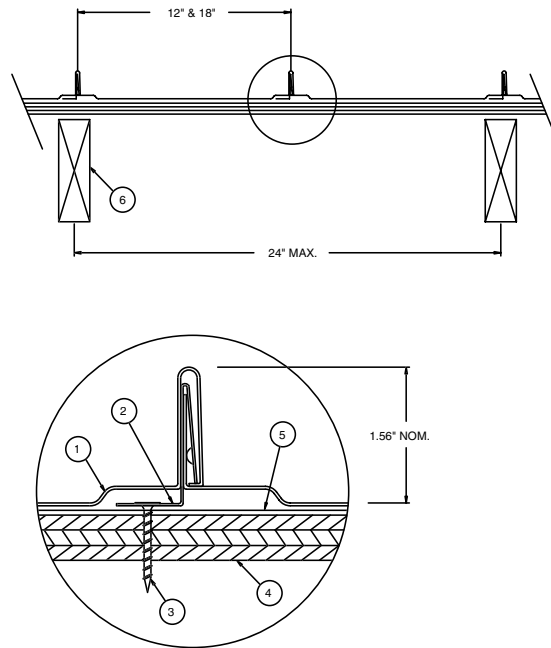


Construction No. 350

Uplift-Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** - No. 24 MSG min thick coated steel, width, min 12 in., max 18 in. or No. 26 MSG min thick coated steel width 12 in. max. Panel may be with or without offsets at ribs. Rib height with offsets 1-9/16 in. at female rib and 1-3/8 in. at male rib. Rib height without offsets 1-7/16 in. at female rib and 1-1/16 in. at male rib. Panels continuous over three or more clips with end laps. A bead of sealant may be used at panel side joints.
Petersen Aluminum Corp. – “Redi-Roof Standing Seam”
2. **Roof Deck Fasteners* (Panel Clips)** – 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 plywood deck (Item 5).
Petersen Aluminum Corp. – “Redi-Roof Clip”
3. **Fasteners (Screws)** – Fasteners used to attach panel clips (Item 2) to plywood (Item 5) to be No. 10-12 by 1-5/8 in. long truss head, No. 2 Phillips drive coated steel screws. 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.
5. **Plywood Decking** – Plywood decking to be graded per PS83 specification, nom 5/8 in. thick, exposure 1, APA rated 20 in. OC, square edged. But ends not blocked.
6. **Supports** – Spaced max of 24 in. OC. Any of the following types may be used to support the plywood decking:
 - a) Nom 2 by 6 in. (min) No. 2 grade A.F.P.A. S-P-F Hemlock fir, Douglas Fir or Southern Pine or equivalent.
 - b) Wood trusses with a nom 2 by 4 in. (min) upper chord of the same Grade as Item a.
 - c) No. 22 MSG min thick cold formed coated steel (min yield strength to be 33,000 psi).
7. **Plywood Fasteners** – Fasteners used to attach the plywood deck to the supports to be as follows:
 - a) For plywood-to-wood supports No. 8-18 by 1-7/8 in. long bugle-head steel screws with a No. 2 Phillips drive, a “Hi-Low” thread pattern and an “S-Point”.
 - b) As an alternate to Item a, 8d by 2-1/2 in. long deformed shank common nails may be used.
 - c) For plywood-to-steel supports for a steel thickness less than No. 20 MSG, No. 7-19 by 1-1/4 in long bugle-head steel screws with a No. 2 Phillips head drive “Hi-Low” threads and an “S-Point”. For a steel thickness greater than No. 20 MSG to No. 16 MSG, No. 6-20 by 1-1/4 in. long bugle-head steel screws with a No. 2 Phillips drive and an S12 (TEKS/3) © point.
Spacing: Fastener spacing for all fastener types to be 6 in. OC at the plywood edges and 12 in. OC in the interior.

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

*Bearing the UL Classification marking