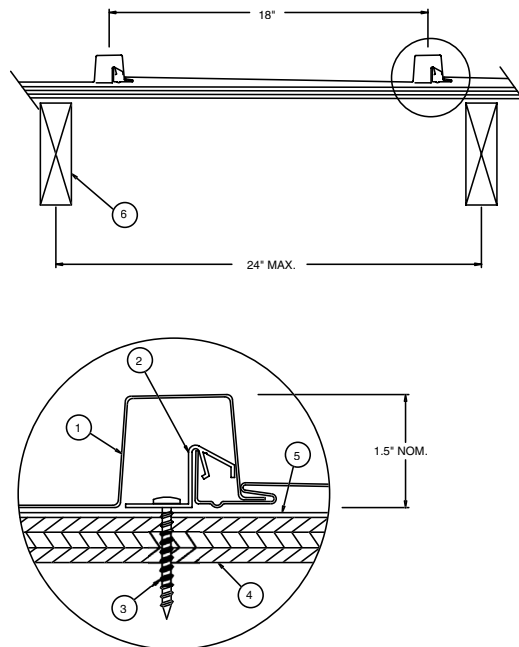


Construction No. 346

Uplift - Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** - No. 24 MSG min coated steel panels, 18 in. wide, in. high at female side rib and 1-1/2 in. at the male side rib. Panels continuous over three or more clips with no end taps. A bead of sealant may be used at panel side joints.
Petersen Aluminum Corp. – “18 in. Integral Batten”
– “11 in. Integral Batten”
2. **Roof Deck Fasteners* (Panel Clips)** - One piece assembly, 2-1/2 in. wide, 7/8 in. high. Min thickness 0.050 in. extruded aluminum. Clips spaced 18 in. OC, fastened to plywood deck.
Petersen Aluminum Corp. – “Integral Clip”
3. **Fasteners (Screws)** – Fasteners used to attach panel clips (Item 2) to plywood 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 Type 30 organic felt. Side overlapped min 2 in., end laps per manufacturer’s instructions. Felt nailed to plywood deck with 1 in. long galv steel roofing nails, located per manufacturer’s instructions. Nail spacing to be max 12 in. OC at the side lap and max 24 in. OC in interior rows.
5. **Plywood decking** – Plywood decking to be graded per PS83 specifications, 19/32 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.S., S-P-F hemlock fir, Douglas fir or Southern Pine or equivalent.
 - b) Wood trusses with a nom 2 by 4 in. upper chord of the same grade as Item a.
 - c) No. 22 MSG min cold formed coated steel (min yield 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, No. 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” thread and an “s-Point”. For a steel thickness greater than No. 2, 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 (TEK/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 (Building Materials Directory) for items not evaluated.

*Bearing the UL Classification marking.