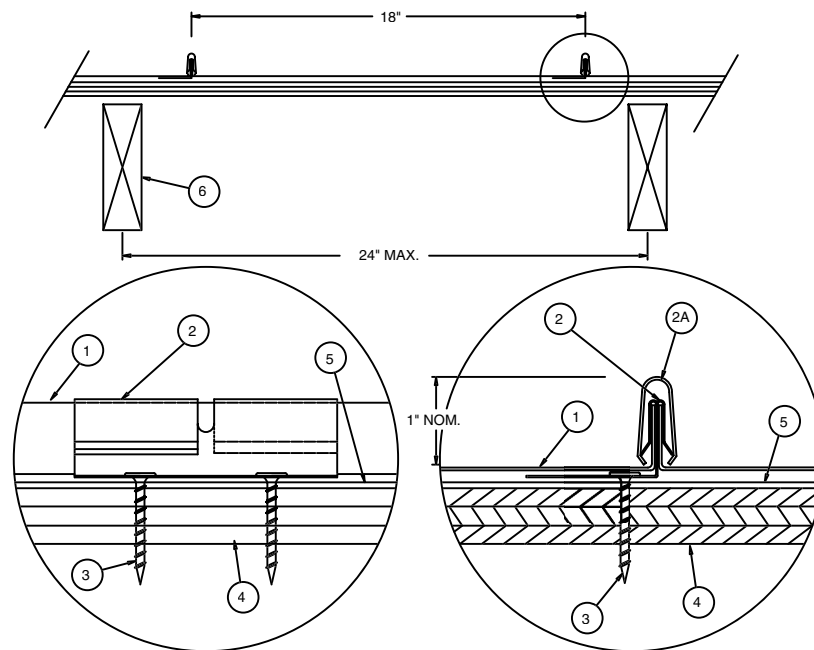


Construction No. 351

Uplift - Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** - No. 24 MSG min coated steel panels. 18 in wide, 1-1/2 in. high at ribs. Panels continuous over three or more clips with no endlaps. A bead of sealant may be used at panel side joints.
Petersen Aluminum Corp. – “Snap-On Standing Seam – 18 in.”
– “Snap-On Standing Seam – 12 in.”
- 1A. **Panel Battens*** - No. 24 MSG min coated steel. “U” shaped. 1 in. high formed to snap over panel clips (Item 2).
Petersen Aluminum Corp. – “Snap-On Standing Seam Cap”
2. **Roof Deck Fasteners* (Panel Clips)** – One piece assembly, 2-1/2 in. wide, 1-5/16 in. high. Min thickness No. 26 MSG. Clips spaced 18 in. OC fastened to plywood deck.
Petersen Aluminum Corp. – “Snap-On Clip”
3. **Fasteners (Screws)** – Fasteners used to attach panel clips (Item 2) to plywood to be No. 10 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 type 30 organic felt. Sides 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 specification. 19/32 in. thick, exposure 1, APARated 20 in. OC, square edged. Butt ends not blocked.
6. **Supports** – Spaced maximum of 24 in. OC. Any of the following types may be used to support the plywood decking:
 - a) 2 by 6 in. minimum No. 2 grade A.F.P.A. S-P-F Hemlock Fir, Douglas Fir or Southern Pine or equivalent.
 - b) Wood trusses with a nominal 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, 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 (Building Materials Directory) for items not evaluated.

*Bearing the UL Classification Marking