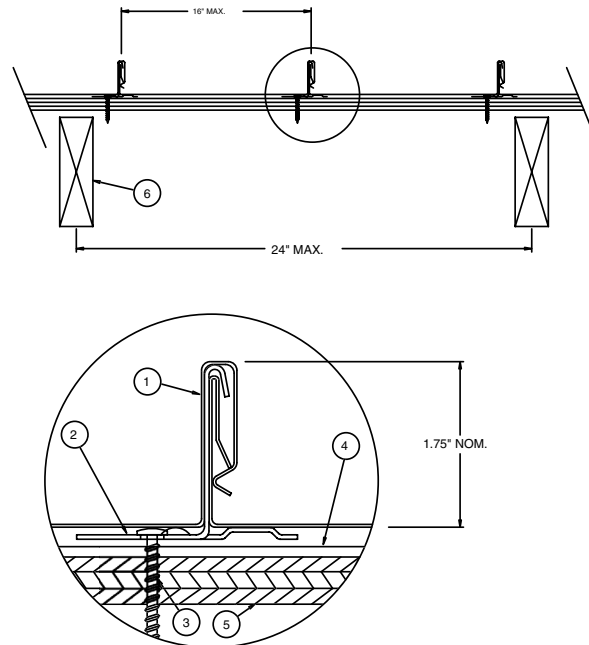


Construction No. 508

Uplift-Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** - 0.032 in. min thick aluminum; 16 in. wide, 1-3/4 in. high at the rib. Panel continuous over three or more clips with no end laps. A bead of sealant may be used at panelside joints.
Petersen Aluminum Corp. - "Snap-Clad"
2. **Roof Deck Fasteners* (Panel Clips)** - One piece assembly, 3-1/2 in. wide, 1-7/8 in. high with a 1-3/8 in. wide horizontal leg. No. 18 MSG min thick coated steel. Two ? in. guide holes located in horizontal leg. Clips spaced 18 in. OC.
Petersen Aluminum Corp. - "Snap-Clad Clip"
3. **Panel Fasteners (Screws)** - Fasteners used to attach panel clips (Item 2) to plywood (Item 5) to be No. 10-12 by 1 in. long, No. 1 Phillips drive, bugle head coated steel wood screws. Two screws used per clip inserted through ? in. diameter guide holes.
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 galvanized 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, APA rated sheathing (42/20) square edged. Butt ends not blocked.
6. **Supports** - Spaced max 24 in. OC. Any of the following types may be used to support the plywood decking:
 - a) 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 nominal 2 by 4 in. 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 (Not Shown)** - 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 (Roofing Materials and Systems Directory) for items not evaluated.

*Bearing the UL Classification marking.