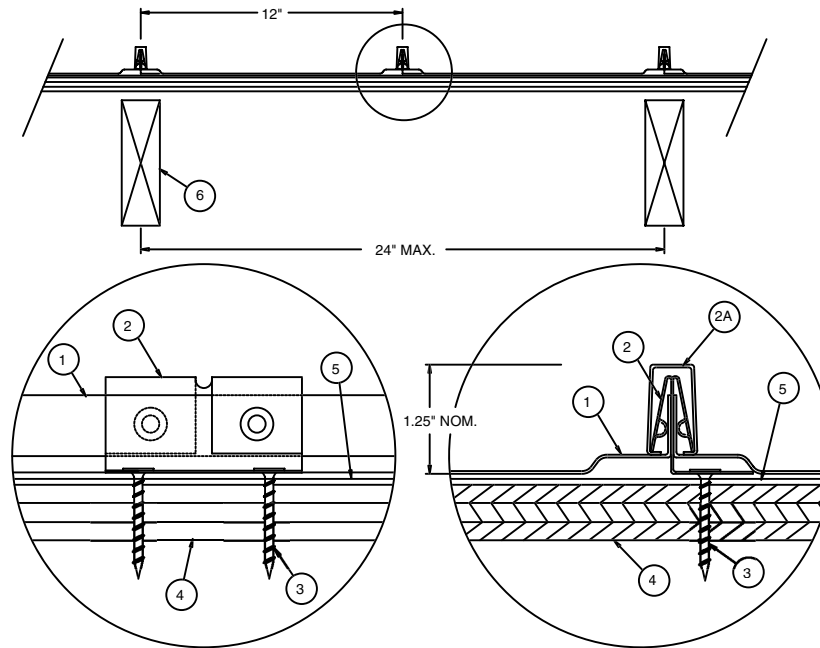


**Construction No. 353**

**Uplift - Class 90**

**Fire Not Investigated**



1. **Metal Roof Deck Panels\*** - No. 24 MSG min coated steel panels, 12 in. wide, 1-3/8 in. high at side 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. - "Redi-Roof Batten"**
- 1A. **Panel Cap** - No. 24 MSG min coated steel. 1 in. high, 1 in. wide "U" shaped with 1/8 in hems on each leg. Designed to snap over panel clips (Item 2).  
**Petersen Aluminum Corp. - "Redi-Roof Cap"**
2. **Roof Deck Fasteners\* (Panel Clips)** - One piece assembly, 2-1/4 in. wide, 1-1/2 in. high. Min thickness No. 24 MSG coated steel clips spaced 18 in. OC fastened to plywood deck.  
**Petersen Aluminum Corp. - "Redi-Roof Clip"**
3. **Fasteners (Screws)** - Fasteners used to attach panel clips (Item 2) to plywood to be No. 10 by 1 in. long coated steel screws. Min two fasteners per clip to be used.
4. **Underlayment** - Underlayment used over plywood deck to be Type 30 organic felt. Sides over-lapped 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, 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) 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. 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 (Roofing Materials and Systems directory) for items not evaluated.

\*Bearing the UL Classification marking.