



1 Metal Roof Deck Panels* / “Snap-Clad”

0.032 in. min. thick aluminum; Panels 16 in. wide max., 10 in. wide min., 1-3/4 in. high at the rib. A bead of sealant may be used at panel side joints.

2 Roof Deck Fasteners* (Panel Clips) / “Snap-Clad Clip”

One piece assembly, 3-1/2 in. wide, 1-7/8 in. high. Clips spaced 18 in. OC.

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 1/4 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.

As An Alternate: A self-adhering modified bitumen water proofing membrane may be used, installed per manufacturer’s instructions. Note: when alternate is used the plywood joints need not be sealed.

5 Plywood Decking

Plywood decking to be graded per PS83 specifications, 19/32 in. thick, exposure 1, APA rated sheathing (42/20) square edged, Butt ends not blocked.

Supports

Spaced max 24 in. OC. Any of the following types may be used to support the plywood decking:

- 2 by 6 in., min No. 2 grade A.F.P.A. S-P-F Hemlock Fir, Douglas Fir or Southern Pine or equivalent.
- Wood trusses with a nominal 2 by 4 in. upper chord of the same grade as item a.
- No. 22 MSG min thick cold formed coated steel (min. yield to be 33,000 psi).

Plywood Fasteners

(Not shown) Fasteners used to attach the plywood deck to the supports to be as follows:

- 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”.
- As an alternate to Item a, 8d by 2-1/2 in. long deformed shank common nails may be used.
- 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 a 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