



## 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

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