UL CONSTRUCTION NO. 508
UPLIFT - CLASS 90/ FIRE NOT INVESTIGATED

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:
 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
to be 33,000 psi).

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 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