UL CONSTRUCTION NO. 343
UPLIFT - CLASS 90/ FIRE NOT INVESTIGATED

1 Metal Roof Deck Panels* / “Snap-Clad”
No. 24 MSG min. coated steel panels 18 in. wide max., 10 in.
wide min., 1-3/4 in. high at the ribs. 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
36 in. OC, max, fastened to plywood deck.

3 Panel Fasteners (Screws)
Fasteners used to attach panel clips (Item 2) to plywood to
be No. 10-12 by 1 in. long pancake head, No. 2 Phillips drive,
A-point, coated steel screw. Min two fasteners per clip to used.

4 Underlayment
Underlayment used over plywood deck to be Type 15 or
30 organic felt. Sides overlapped min. 2 in., end laps per
manufacturer’s instructions. Felt nailed to plywood deck with
1-1/4 in. long steel cap 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. All butt and side joints to be
sealed with a one part urethane caulk sealant applied with
a caulking gun and feathered outward from the joint. (Note
exception under Item No. 4, alternate.)

Supports (Not Shown)
Spaced max of 24 in. OC. Any of the following types may be
used to support the plywood decking:
a) Nom. 2 by 6 in., No. 2 grade or better S-P-F, Hemlock Fir,
Douglas Fir or Southern Yellow 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).

Plywood Fasteners (Not Shown)
Fasteners used to attach the plywood deck or OSB 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 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)supR 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 (Building
Materials Directory) for items not evaluated.

*Bearing the UL Classification Marking