UL CONSTRUCTION NO. 303
UPLIFT - CLASS 90/ FIRE NOT INVESTIGATED

1 Metal Roof Deck Panels* / “Snap-Clad”
No. 24 MSG min thickness coated steel. Panel width 18 in. max.,
10 in. min., 1-3/4 in. high at the ribs. A bead of sealant may be
used at panel side joints.
   A Metal Roof Deck Panels* (Not Shown)
   0.032 in. min thick aluminum, 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. Clip spacing
to be 48 in. max. OC for steel panels and 18 in. max. OC for
aluminum panels. Clips to interface with Item 2A (bearing plate).
   A Bearing Plate* (Not Shown)
   To be used with “Snap-Clad Clips” only (Item 2). To be
24 MSG thick coated steel, nom 4-5/8 in. wide by
6 in. long.

3 Panel Fasteners (Screws)
Fasteners used to attach panel clips and bearing plates (Items 2 &
2A) through rigid insulation and optional OSB and/or gypsum board
and into light gauge steel deck (Item No. 5) to be No. 14 truss head
type with No. 3 Phillips drive, self-drilling steel screws. Two screws
per clip to be used, inserted through 1/4 in. diameter guide holes.
Fasteners to penetrate liner panel 3/4 in. min.

4 Foamed Plastic (Rigid Insulation)
Min thickness 1 in., max thickness 4-1/2 in. Density to be a min of
1.8 pcf.
   A Oriented Strand Board (OSB) (Optional) (Not Shown)
   Located over foamed plastic (Item 4). Max thickness
7/16
   in. Note: Bearing plates not required when OSB is used.
   B Gypsum Board (Optional)
   Max thickness 5/8 in. Located over liner panel (Item 5).

5 Liner Panel
Min thickness No. 22 MSG. Coated steel (33,000 psi) min yield
strength min. depth 1-1/2 in., max. pitch 6 in., fabricated to various
profiles.

6 Underlayment (Not shown)
One ply of 30 lb roofing felt or one layer of bituminous resin type
water proofing membrane.

7 Supports (Not shown)
Used to support liner panels, spaced per deck manufacturer’s
specifications for uplift.

*Bearing the UL Classification Marking