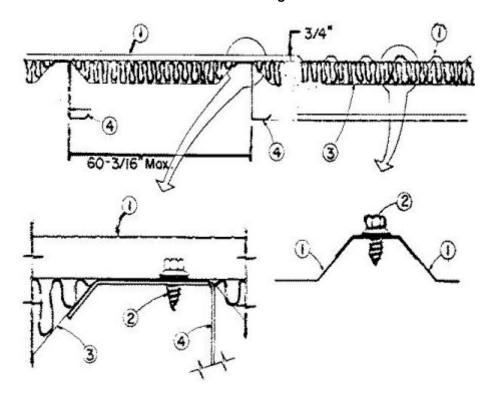# Construction No. 12

September 22, 2000

Uplift — Class 60 or 30 (See Item 4)

Fire Not Investigated

1. Metal Roof-Deck Panels* No. 26 MSG min gauge coated steel. Panels continuous over two or more spans. End laps to occur over purlins with panels overlapped 6 in. with lap centered over purlin web. A bead of sealant may be used at panel end and side laps.

- AMERICAN BUILDINGS CO — Type "Multi-Rib"
- BUILDING COMPONENTS INC — "U-Panel"
- MBCI — Type "U" or "PBU"
- DEAN STEEL BUILDINGS INC — Type "RIB-6"
- NCI BUILDING SYSTEMS L P — Type "U" or "PBU"

2. Panel Fasteners For panel to purlin and panel to panel connections to be No. 14 self-tapping, hex-head, plated steel or stainless steel screws with a separate 5/8 in. OD steel or aluminum washer and a separate neoprene sealing washer. Length: For panel to purlin fasteners to be 3/4 in. for insulation up to 3 in. and 11/4 in. for insulation over 3 in. For panel to panel fasteners to be

3/4 in. Spacing for panel to purlin fasteners to be 12 in. O.C. with fasteners located adjacent to the major ribs. At end laps spacing to be 6 in. O.C. with fasteners located adjacent to major ribs.

Spacing for panel to panel fasteners to be 12 in. O.C.

Pilot holes: For panel to purlin fasteners to be 13/64 in. diam.

For panel to panel fasteners to be 1/4 in diam.

As An Alternate Fastener — No. 12-14 self-drilling, self-tapping, 1/2 in. hex-washer head Type B steel or stainless steel screws with a neoprene sealing washer may be used. Length: For panel to purlin fasteners to be 1 in. for insulation up to 3 in. and 1-1/2 in. for insulation over 3 in. For panel to panel fasteners to be 1 in. Spacing to be the same.

3. Insulation (Optional) — Any compressible blanket insulation 4 in. max thickness before compression.

4. Purlin For Class 60 No. 14 MSG min gauge steel.

(50,000 psi min yield strength).

For Class 30 — No. 16 MSG min gauge steel.

(40,000 psi min yield strength).

Refer to General Information, Roof Deck Construction, (Roofing Materials and Systems Directory) for Items not evaluated.

*Bearing the UL Classification Marking