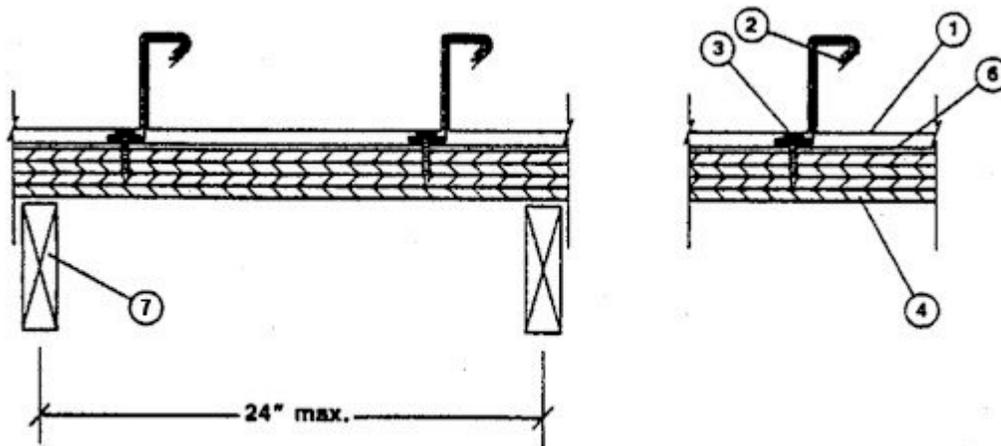


Construction No. 437

**Uplift - Class 90
Fire Not Investigated**



1. Metal Roof Deck Panels* No. 24 MSG min coated steel. Max panel width 16 in., rib height 2 in. Panels continuous over two or more spans. Endlaps to overlap 6 inches. Panels may be physically curved at a radius of 110 ft. or greater. A bead of sealant may be used at panel ends and side joints. Side laps to be tightened and crimped with an electric crimping machine to a min 45 degree angle. Crimping process to include the upper portion of panel clips (Item 2).

- A&S BUILDING SYSTEMS, INC.-"BattenLok" or "SuperLok"
- MBCI -"BattenLok" or "SuperLok"
- MESCO METAL BUILDINGS-"BattenLok" or "SuperLok"
- NCI BUILDING SYSTEMS LP--"BattenLok" or "SuperLok"

2. Roof Deck Fasteners* - (Panel Clips) Either of the following: Fixed or Utility Clip - one piece assembly fabricated from No. 22 MSG min gauge steel, 3 in. wide. Floating Clip - two piece assembly with a base fabricated from No. 16 MSG min gauge steel, 1-5/8 in. wide, and atop fabricated from No. 22 MSG min gauge steel, 4-1/4 in. wide. Clip spacing 60 in. O.C. max.

- NCI BUILDING SYSTEMS LP-"BattenLok High or Low, Fixed or Floating Clip"; "BattenLok Utility Clip" -"SuperLok High or Low, Fixed or Floating Clip"; "SuperLok Utility Clip"

3. Fasteners (Screws) Screws used to attach the panel clips to Substructure (Item 4) to be No. 10 by 1 in. long Pancake head wood screws with a No. 2 Phillips head or 10x1 in., 1/4 in. Hex Head Woodgrip. Two screws per clip.

Screws used at endlap (high system only) to be one of the following: 14x1-1/4 in. Hex Washer Head, self-drilling; 14x1 in. Type AB, Hex Washer Head self-tapping; 14x1-1/4 in. Hex Washer Head, self-drilling; 14x1 in. Type AB Phillips Stainless Steel, self-tapping. Five screws per panel in a 1, 3, 4, 4, 3 in. pattern. Screws used to attach Substructure (Item 4) to wood trusses or joists (Item 7) to be No. 8 by 2 in. Bugle head screws. As an optional fastener, 2-1/2 in. long 8d common deformed shank nails may be used. When light gauge structural steel joists are used, screws to be No. 12 by 1-5/8 in. long with a Phillips head.

Spacing of screws to be 6 in. O.C. at plywood or OSB ends and 12 in. O.C. at interior joists.

4. Substructure (Plywood or OSB) Plywood decking or oriented strand board (OSB) to be a nom 5/8 in. thick, exposure sheathing span C-D, 40/20 plywood. (All butt joints to be sealed against leakage by using tape and/or caulking). In lieu of plywood, 1 in. tongue and groove decking may be used.

4A. Endlap Back-Up Plate (Optional)(Not Shown)- (High system only) Used at panel endlaps, 16 MSG min coated steel, 15-1/2 in. wide with two 1 in. wide by 3/4 in. long tabs for sliding over end of panel.

5. Moisture Barrier (Optional)(Not Shown) Any suitable membrane to protect Substructure (Item 4).

6. Thermal Spacer (Optional) Polystyrene - 3/8 in., 5/8 in. or 1 in. nom thickness, 3 in. wide by 15-7/8 in. long.

7. Joists Joists, spaced at 2 ft, 0 in. O.C. max, may be one of the following:

A. Nom 2 by 6 in. wood joists, No. 2 or better.

B. Nom 2 by 4 in. wood when used on a top chord of a wood truss, No. 2 or better.

C. Light gauge structural steel framing with the member against the plywood or OSB to be a min No. 22 MSG coated steel.

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

*Bearing the UL Classification Marking