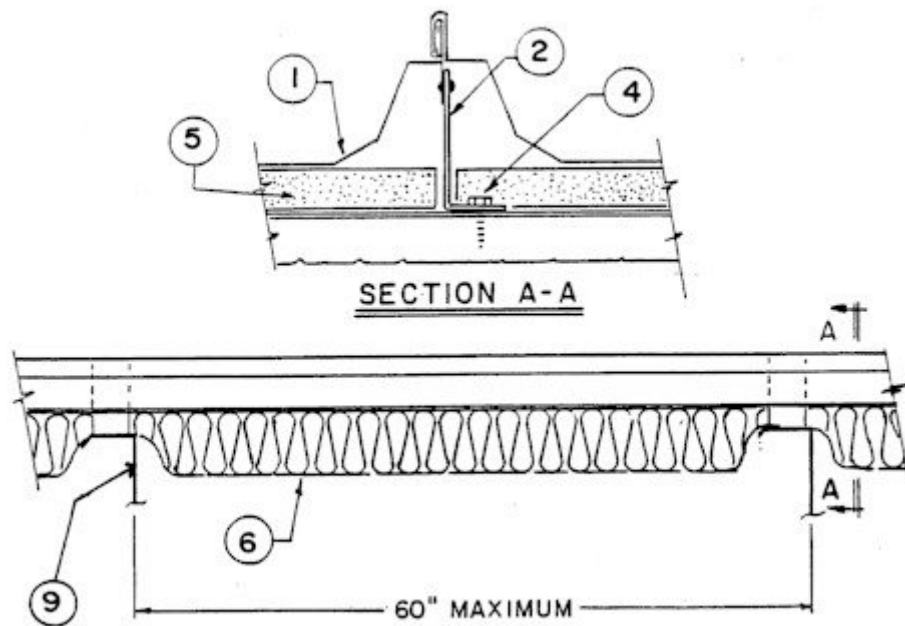


Construction No. 287

Wind Uplift - Class 90

Fire Not Investigated



1. Metal Roof Deck Panels* 24 MSG min coated steel. Panels continuous over two or more spans. End laps to occur adjacent to purlin with panels overlapped 3 inches. A line of sealant may be used at panel ends and side laps. Adjacent panels to be seamed together along side laps using an electric seaming tool. Seaming operation to include panel clip tabs (Item 2).

- A&S BUILDING SYSTEMS, INC.--"Double-Lok"
- CHIEF INDUSTRIES INC--"MSC" .
- GALVAK S A DE C V--"Galvalok II" .
- KIRBY BUILDING SYSTEMS INC--"Kirbylok 2000-MS" .
- MBCI--"Double-Lok" .
- MESCO METAL BUILDINGS - "Double-Lok"
- NCI BUILDING SYSTEMS L.P.--" Double-Lok".

2. Roof Deck Fasteners* (Panel Clips) - Articulating clip used with an upper tab clip formed to engage the metal roof deck panel rib (Item 1). The height of the clip to be 3-3/8 in. when no thermal spacer (Item 5) is used, and 4-3/8 in. when a thermal spacer is used. Clips are spaced 5 ft OC max along length of panels, located at the panel sides with guide holes in bottom to accommodate two screw fasteners (Item 4).

- KIRBY BUILDING SYSTEMS INC--"Kirbylok 2000-MS Clip" or "Kirbylok 2000-MS Clip II"
- NCI BUILDING SYSTEMS L.P.-" Double-Lok Articulating Clip" .

3. Building Units (Optional) - (Not shown) - Translucent, reinforced plastic panels. Nom thickness, 1/16 in., formed to the same configuration as the metal roof deck panels, with a metal reinforcement cut from a Classified metal roof deck panel ("Double-Lok"). Metal reinforcement attached to translucent, reinforced plastic side segments with aluminum pop rivets. Panels continuous over two spans.

- KIRBY BUILDING SYSTEMS INC--"Kirbylok 2000-MS" .
- NCI BUILDING SYSTEMS L.P.-" Double-Lok Light Transmitting Panel" .

4. Fasteners (Screws) - Screws used to attach the panel clips to purlin to be two (2) 1/4-14 by 1-1/4 in. long, self-drilling, 5/16 in. hex-head, plated steel screws with a separate 5/8 in. OD neoprene washer. Screws used to attach the panel clips to joists to be two (2), 12-24 by 1-1/4 in long, 4.5 self-drilling, plated steel screws, without washers. Screws used at end lap are to be 1/4-14 by 1 in. long with 3/8 in. hex-washer head and separate 5/8 in. neoprene steel washer. Five (5) fasteners are to be used in the flat section of the end lap panel with the first fastener located 3 in. from either rib, and then spaced in a 3-6-6-3 in. pattern. An additional fastener is to be located at the second slant segment of the rib on both sides of the end lap panel. Fasteners used with alternate 16 MSG min thick coated steel upper section to be No. 14 by 1 in. long self-tapping fastener. First fastener located 3/8 in. from first slanted segment in a 4-5-1/2-5-1/2-4 in. pattern.

Screws used to fasten optional Light Transmitting Panel backing plate (Item 8) to be same type as those used at the panel end lap. Screws are located at second slanted segment adjacent to rib with three screws spaced 1-1/2 in. O.C. and at first slanted segment adjacent to rib with two screws spaced 3 in. O.C.

5. Thermal Spacer (Optional) - Polystyrene, 1 in. maximum thickness 3 in. wide, cut to fit between panel clips.

6. Insulation (Optional) - Any compressible blanket insulation, 6 in. max thickness before compression with 3/8 in. thermal spacers or 5 in. max thickness insulation before compression with max 1 in. thermal spacers when installed between thermal spacer (Item 5) and purlin (Item 9).

7. End-Lap Plate Assembly (Not shown) - Used at panel end laps consisting of a lower section, 5-5/8 in. wide, with a 1 in. leg and formed to the general profile of the panel and having four 1 in. wide by 3/4 in. long tabs for sliding over the end panel. Upper section to be 2 in. wide and also formed to the general profile of the panel. Upper section to have ribs formed with reinforcement. Both parts min 18 MSG coated steel. Alternate 16 MSG min thick coated steel upper section 1-1/2 in. wide formed to fit the general profile of the panel. Five 5/16 in. diameter guide holes located in the flat area only.

8. Light Transmitting Panel Backing Plate (Optional) (Not shown) - Min 18 MSG coated steel, 4-7/8 in. wide with two vertical legs on both sides and formed to the configuration of metal roof deck panel (Item 1). Located over purlin and offers support to continuous segment building unit (Item 3).

9. Purlin Min 16 MSG coated steel (55,000 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