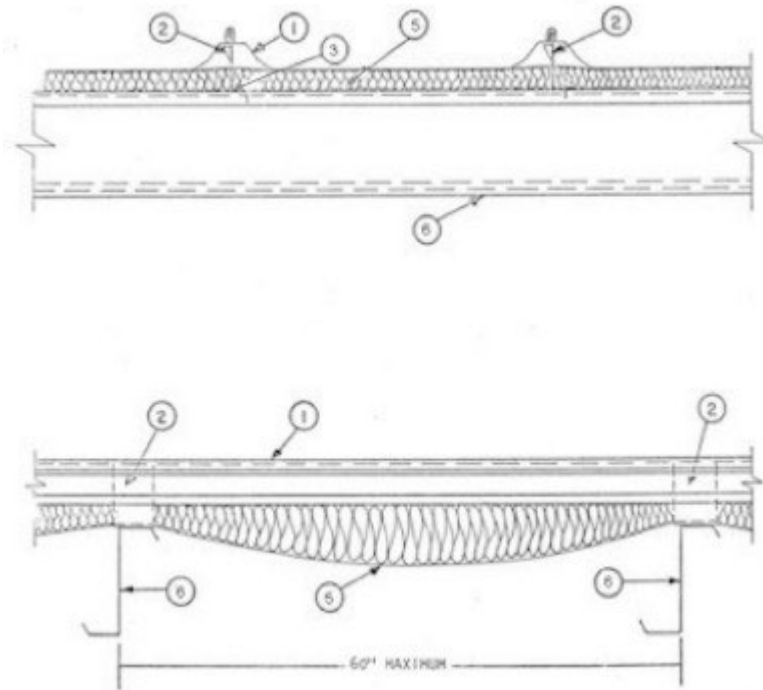




## Construction No. 535

Uplift - Class 90

Fire Not Investigated



**1. Metal Roof Deck Panels\*** - For class 90 - No. 24 MSG coated steel, for class 30 - No. 26 MSG min. Coated steel. Panels continuous over two or more spans. End laps to occur adjacent to purlins with panels overlapped 3 inch max. A line of sealant may be used at panel end and side laps.

- A&S BUILDING SYSTEMS, INC.--"Ultra-Dek"
- GARCO BUILDING SYSTEMS - "Garco Standing Seam-GGS"
- MBCI-"Ultra-Dek"
- MESCO METAL BUILDINGS --"Ultra-Dek"
- NCI BUILDING SYSTEMS LP--"Ultra-Dek"
- UNITED STRUCTURES OF AMERICA INC--"Guardian I".

**2. Roof Deck Fasteners\* - (Panel Clips)** - Fixed or sliding type fabricated from 0.032 inch thick steel. Width to be 3 inch, height to be 3 3/8 inches when no thermal spacer (Item No. 4) is used and 4 3/8 inches when thermal spacer is used. Clips spaced 5 ft. on center at panel sides and over purlins.

- NCI BUILDING SYSTEMS LP - "Ultra-Dek Fixed Clip" or "Ultra-Dek Sliding Clip"

**3. Fasteners (screws)** - Fasteners for panel clip to purlin to be No. 12-14 by 1 1/4 inch long self-drilling, self-tapping, hex-head screw with separate 5/8 inch O.D. neoprene washer. Two screws used for fixed clips and one screw used for sliding clips. At the endlap, fasteners are to be 1/4-14 by 1-1/4 inch long, self-drilling, self-tapping, plated steel screws with a 5/8 inch OD washer spaced in a 3 1/4, 3 1/2, 3 1/2, 3 1/2, 3 1/2, 3 1/2, 3 1/4 inch pattern with an additional fastener located at the second slanted segment of the rib on both sides of the end lap panel (Total of 8 fasteners required). Fasteners used with alternate 16 MSG min. thick coated steel upper section to be No. 14 by 1 inch long self-tapping fastener. First fastener is located 3/8 inch from first slanted segment in a 4, 5 1/2, 5 1/2, 4 inch pattern. One additional fastener located 1/2 inch from first slanted segment on opposite side of same rib where first fastener is located (Total of 5 fasteners required).

**4. Thermal Spacer** (optional) - Polystyrene, 1 inch max thickness, 3 inches wide, cut to fit between panel clips.

**5. Insulation** - (optional) - Any compressible blanket insulation, 6 inches max. thickness when located between panel (Item No. 1) and purlin (Item No. 6) before compression.

**6. Purlin** - No. 16 MSG min. gauge steel (55,000 psi min. yield strength).

**7. Splice Plate Assembly** - (not shown) - Used at panel end laps; Consisting of a lower section, 6 inches wide, with a 1 inch vertical leg, formed to the general profile of the panel and having four 1 inch wide by 3/4 inch long tabs for sliding over the panel end. Upper section (optional) to be 1 1/2 inches wide 24 inches long and also formed to the general of the panel with one end formed to fit over the side rib. Six 5/16 inch diameter guide holes located in the flat with 3 holes located at rib location. Both parts to have ribs formed for reinforcement. Both parts fabricated from No. 16 MSG thick coated steel.

\*Bearing the UL Classification Marking.