



MAGNA-LOC

Construction No. 583

April 30, 2004

Uplift - Class 90

Fire Not Investigated

- 1. Metal Roof Deck Panels*** - No. 24 MSG min thickness coated steel, 16 in. max width, rib height 2 in. Panels continuous over two or more spans. Endlaps to occur over purlins with panels overlapped 6 in. Panels may be mechanically curved at a radius between 20 ft and 109 ft incl. A bead of sealant may be used at panel end and side laps. Side laps to be tightended and crimped with an electric crimping machine to a nominal 90 degree angle.

METAL SALES MFG CORP (View Classification) - "Magna-Loc 18", "Magna-Loc 16" or "Magna-Loc 180" (180° Seam)

- 2. Roof Deck Fasteners* - (Panel Clip)** - Either of the following: Fixed or Utility Clip - one piece assembly fabricated from 22 MSG min gauge steel, 3 in. wide. Floating Clip - two piece assembly with a base fabricated from 16 MSG min. gauge steel, 4-1/4 in. wide.

Fixed Clip - (Not Shown) - One piece assembly fabricated from No. 22 MSG min thick steel, 3-1/2 in. wide.

BUILDING RESEARCH SYSTEMS INC (View Classification) - "Challenger 100 Fixed Clip"

Floating Clip - Two piece assembly with a base fabricated from No. 16 MSG min thick steel, 2 in. wide and a top fabricated from No. 22 MSG min thick steel, 4-5/16 in. wide.

BUILDING RESEARCH SYSTEMS INC (View Classification) - "Challenger 100 Floating Clip"

- 3. Fasteners - (Screws)** - Screws used to attach panel clips (Item 2) to purlins (Item 5) to be 1/4 in.-14 by 1-1/4 in. long, hex washer head, self drilling fasteners. Two fasteners per clip.

- 4. Insulation - (Optional)** - Any compressible blanket insulation, 6 in. max thickness before compression.

- 5. Purlins** - No. 16 MSG min. 0.056 thickness coated steel (min yield strength 40 ksa). max spacing 60 in. OC.

- 6. Lateral Bracing - (Not Shown)** - As required.

Refer to general information, Roof Deck Construction, (Roofing Materials and System Directory) for items not evaluated.

*Bearing the UL Classification Mark



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LISTED