



## MAGNA-LOC

Construction No. 673  
May 31, 2012  
Uplift - Class 90  
Fire Not Investigated

- 1. Metal Roof Deck Panel\*** - Minimum 24 MSG thick steel, maximum width 18 in. and rib height 2 in.

**METAL SALES MFG CORP** ([View Classification](#)) - "Magna-Loc 16", "Magna-Loc 18" and "Magna-Loc 180"

- 2. Roof Deck Fasteners** - (Panel Clips) The panel clip is a two-piece assembly spaced 48 in. on center. The base is 2-1/4 in. long, 1-1/2 in. wide and 1/2 in. high.

The tab is 4-1/4 in. wide and 2-1/4 in. high. The base is fabricated from BNo. 16 MSG thick coated steel and the tab is fabricated from No. 22 MSG thick-coated steel.

**BUILDING RESEARCH SYSTEMS INC** ([View Classification](#)) - "Challenger 100 Floating Clip"

- 3. Fasteners (Screws)** - The plywood deck is secured to the supports with 2-1/2 in. drywall screws spaced 6 in. on center at the perimeter and 12 in. on center in the field.

The Panel Clip is fastened to the deck with two No. 12-11 x 1-1/2 in. Low Profile Wood Screws.

Panel edges are attached to the plywood with 2-1/2 in. long drywall Phillip head screws, spaced 6 in. on center and 1 in. from the panel edge.

- 4. Supports** - Wood No. 2 or better, 2 in. x 10 in. x 179 in., spaced 24 in. on center.

- 5. Plywood Decking** - 19/32 in. B-C grade APA Rated. All joints are sealed with a 1 in. wide urethane Caulk (Bostik Chem) cured for 16 hours. The entire deck is covered with an asphalt-saturated felt per the manufacturers installation instructions.

- 5A. Oriented Strand Board (OSB)** - (Not Shown) - As an alternate, nom. 5/8 in. thick (19/32 in. actual) APA (DOC PS-2) rated OSB may be substituted for plywood decking (Item 5). Installation procedures are to be the same as for plywood except that the clips shall be spaced a maximum of 30 in.

Refer to general information, Roof Deck Construction, for items not evaluated.

\*Bearing the UL Classification Mark