



**2001 Termbar Tape
Used to airseal metal
Deck joints.
Insulation and membrane
Installed loosely
Factory Mutual Wind
Uplift test = 150 PSF**

**At 160 PSF
(Pound Per Square Foot)
The structural joists
Of the test apparatus
Twisted and broke.
Factory Mutual had to
Redesign their test deck.**





2001 Fastening Method

Metal deck screwed with cowboy hat washers 6" on center into structural joists.

Note compression of termbar tape in metal deck joints.

Reinforced shear skirts used for perimeter membrane attachment.
Urethane spray foam used for corrugated metal deck and air seal.

Length wise deck laps were stitch screwed 1 foot on center.

Rigid roof insulation is adhered, mechanically attached, or loose laid and weighted with ½" gypsum boards. Roof membrane is loose laid and equalizer valve vented in wind uplift intensity areas.

