



3560 East Nine Mile Rd.
Warren, MI 48091
586-759-2140

Joint Labor Management Committee

Working Together to Build the Best Roofs



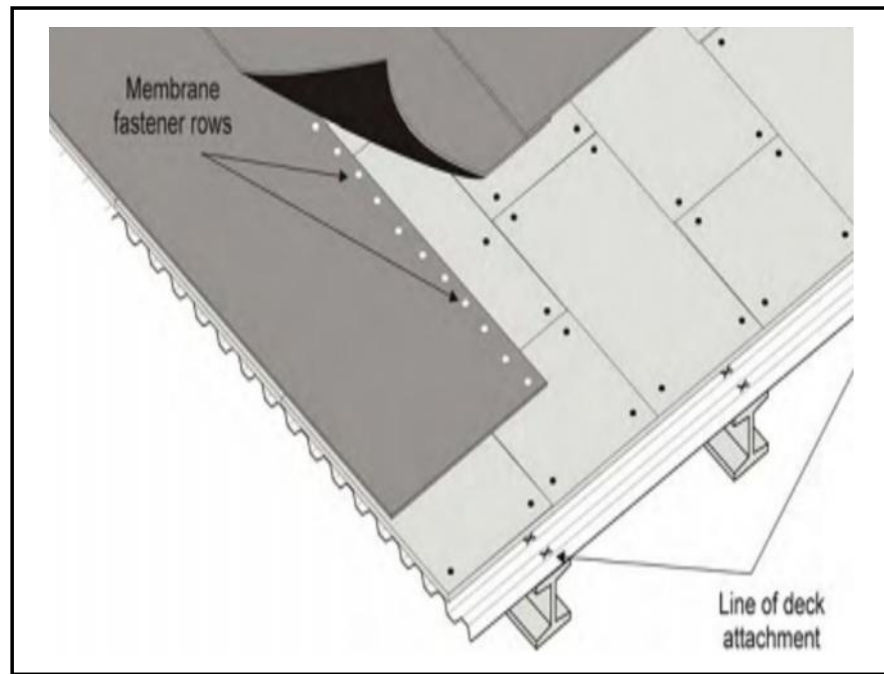
News Update

September 30, 2011

Wind Uplift

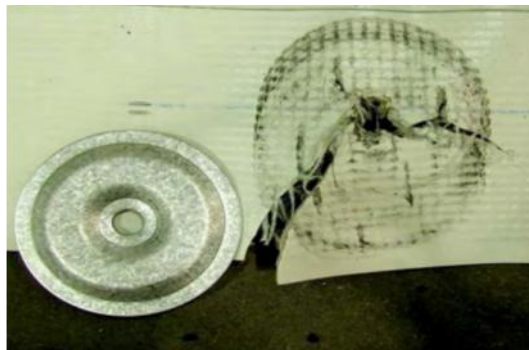
Wind uplift in mechanically attached systems specifically TPO & PVC

An often overlooked concern is the possibility of a deck structural failure during a high wind event. The Institute for Research in Construction recommends that contractors install membrane seams perpendicular to the deck flange. In this manner wind getting under the membrane will not be able to easily roll the metal deck back ripping deck fasteners from the joists.



An air barrier is also recommended for mechanically attached systems to help reduce billowing from internal air pressure. Air barriers need to be taped where breaks occur.

Contractors should also use a dense cover board. Less dense, isocyanurate insulation alone can apply a greater rocking force on fasteners; if this force is sufficient enough to crush the insulation around the fastener it will reduce the plate's clamping force resulting in a membrane attachment failure.



Local 149

1640 Porter Street
Detroit, MI 48232
313-961-6093