



January 2, 2015

100 MPH Wind Rider Available Direct Membrane Termination to an Air Sealed Concrete Deck

Direct-to-Deck termination with 2001 Co. term bar fastened 7" on center using ¼" x 1 ¼" concrete fasteners into the structural concrete deck.

The concrete fastener must have a minimum pull-out of 600 pounds.

- All existing loose wall and curb flashings are to be removed.
- Perimeter air seals to be fastened to the deck per 2001 Co. approved details. This requires the existing insulation to be removed in the area of the termination and reinstalled.
- Drain air seals to be fastened to the deck per 2001 Co. approved details.
- Curb and penetration flashings can use 2001 Co. Shear Skirt Air Seal details if the curb is structural 22-gauge steel and will provide a 600 pound pull-out using a #15 screw fastener. Wood blocking between curb and deck must be made air tight. Liquid coating, spray foam, and membrane flashing are options. Otherwise direct-to-deck air seal termination is required.
- If the curb is light gauge aluminum as designed on skylights, the base T-bar fastening needs to be in the wood nailers or roof deck:

Contractor to verify:

- All deck-to-wall transitions have existing air seals
- All curb-to-deck transitions are metal to concrete and are air sealed. If there is not an existing air seal, it must be made air tight per 2001 Co. specifications.

- Round penetrations at the deck transitions must also have existing or installed air seals.

Note: T-Bar terminations of roof membrane parallel to the perimeter edge of a concrete deck can cause a fracture of a concrete deck from the pre-drilled holes. Move termination in, away from the edge, 4” to 6” to avoid damage.

WARNING: When pre-drilling a concrete pre-stressed decks **DO NOT** drill deep enough to hit the pre-stress cables in the deck.