



January 2, 2015

Wind Vented Upper Parapet Wall

Self-Drying Waterproofing Membrane Application Technique-Spec

Install an optional self-drying Wind Vented reinforced membrane upper parapet wall and cap flashing above the base flashing to 2001 Co. details in the following manner:

1. **Install term bar tape under front and back sides of the parapet cap when the total cap is going to be encapsulated with membrane.**
2. **Install Termbar Tape at 4' (four foot) increments vertically on the parapet interior wall:** If the parapet wall is a stud wall, align the termbar tape with the studs so the finish termbar fasteners can go into the structural wall studs. (See attached detail drawings)
3. **Install 4" (four inch) EPDM in seam tape on the top edge of the base flashing:** Spacing of 7' 6" (seven foot six inch) increments with a 6" (six inch) gap for water weeping and air exchange to take place along the top of the base flashing. If base flashing was installed under a metal counter flashing, install seam tape on the metal counter flashing face, one-half inch (1/2") below the top.

Warning: Do not cover up weep holes or above through wall metal entry lines. These need to weep water and be open to the 6" space between every 7' 6" attachment seam on the top of the base flashing.

4. **Hang the upper parapet wall reinforced membrane flashing loose over parapet and position in place:** Seam tape the bottom edge to the top of base flashing or the counter flashing metal face. Be attentive and install the 6" (six inch) weep space between 7' 6" (seven foot-six inches) adhered strips. This will allow through wall

counter flashings and weep holes to drain water out this upper parapet wind vented self-drying membrane flashing.

5. **Pull the wall flashing membrane back onto the roof surface:** Pull the release paper on the vertical and under the parapet cap termbar tape strips.
6. **Re-align the parapet flashing membrane over the parapet cap:** Press the reinforced flashing membrane into the termbar tape strips on the interior parapet face.
7. **Term bar the flashing membrane under the existing parapet cap edge on the roof side:** Zamac type fasteners are recommended in brick and concrete walls. #15 roof screws are recommended on stud wall construction, and into wood cap boards.

See 2001 Co. Parapet Cap Flashing Detail Options

8. **2001 Co. Parapet Cap Waterproofing Detail Options:** See attached detail drawings.
 - A. Remove metal cap, install waterproofing membrane, and reinstall cap.
 - B. Totally encapsulate the existing cap and parapet wall with membrane.
 - C. Waterproof top of stone cap with membrane, then fasten termbar 1” back from cap face to not spaul of stone face.
 - D. Waterproof parapet wall vertical roof side and terminate under the existing aesthetic pleasing cap.
 - E. Waterproof joints of cap top.
9. **Totally adhere the remainder of the membrane:** Across the top of the parapet cap, and down the parapet cap exterior face, when total parapet cap encapsulation is acceptable to the building owner.

Wall Drying Sample Specification

Note: Reinforced membrane can be loose laid over clay Bell Tile Copping Caps and term barred on both sides. A saggy, baggy, but waterproof and a secure encapsulation of a deteriorating cap.

10. **Term bar the exterior side of the cap membrane under the cap with 2001 Co. Termination**

Bar: Begin at the middle of the top brick to limit spalling. If fasteners are not holding in parapet, masonry epoxy fastener fixation maybe necessary, or fasten into a lower brick line that is not water blasted.

Note: Black termination bar makes a beautiful finish under exterior cap encapsulation faces. Black or white engine paint on solvent cleaned term bars is a cost effective way to paint term bars, to match membrane color.

11. **Cut in a 2001 Co. covered semi-circle (smile face) vertical wall ventilator** in the top of the parapet

wall waterproofing membrane according to the 2001 Co. Wind Venting diagram for the specific building's parapet wall (usually in the same area as Equalizer Valves).

Note: use the bottom of a 5-gallon bucket for a smile face cutting pattern.



12. **Mechanically fasten vertical term bars:** Fasten 4' (four feet) on center over the pre-installed term bar tape to mechanically fasten the upper parapet wall membrane flashing.

Note: Leave 3" (three inch) minimum space top and bottom of vertical termbars for air circulation between sections, so air exchange can egress to the covered smile face ventilators from the base attachment weep gaps.

13. **2001 Co. recommends waterproofing front of Parapet Masonry:** Use clear waterproofing sylaxines or silicone treatments.

14. **Submit 2001 Co. pre-approved design and details for Wind Venting and Self**

Drying Riders: For specific building parapets, submit roof plan and details for 2001 design and approval.