Chapter 6 – Anchored Masonry Veneer Systems

WOOD-FRAMED BACKUP WALL: Window Head Detail

Legend

1. Typical Assembly:
   - Interior gypsum board
   - Vapor retarder
   - Wood-framed wall with batt insulation
   - Exterior sheathing
   - Mechanically attached air barrier and WRB field membrane
   - Air cavity
   - Anchored masonry veneer
2. Masonry veneer anchor
3. Mortar collection mesh
4. Continuous air barrier sealant
5. Insulated window header
6. Hot-dipped galvanized-steel loose lintel
7. Self-adhered sheet- or fluid-applied air barrier and WRB flashing membrane
8. Vent/weep at maximum 24 inches on-center
9. Sheet-metal head flashing with hemmed drip edge and end dams (beyond)
10. Sealant over backer rod
11. Continuous air barrier sealant tied to continuous seal at window perimeter
12. Non-flanged window
A. See alternate shelf angle support detailing options on page 63

Detail Discussion

A loose lintel is depicted in this detail; however, the structure support for the anchored masonry above the window could also be a shelf angle support attached back to the wood-framed structure. In this case, the shelf angle would be detailed similar to Detail 6-20.

A continuous bead of air barrier sealant exists between the rough opening flashing and the mechanically attached air barrier and WRB field membrane to maintain air control layer continuity.

Water-Shedding Surface & Control Layers

Water-Shedding Surface

Control Layers:
- Water
- Air
- Vapor
- Thermal

Note: Control layers are shown for a Class IV permeance (and sometimes Class III permeance) air barrier and WRB field membrane and where a vapor retarder is located at the interior face of the framing.