ALTA Install Guide

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1 | INSTALLATION CONSIDERATIONS

-ALTA WRBs **should be installed over sheathing, or directly to framing, before the windows and door have been installed. Special considerations must be reviewed and approved by ANCI, INC. prior to start.**

-STUCCO **applied over wood-based sheathing shall comply with IBC section 2510.6 and IRC section R703.7.3 which states "in dry (b) climate zones, one water-resistive barrier complying with ASTM E2556 Type II shall be separated from the stucco by a layer of foam plastic insulating sheathing, or other nonwatery absorbing layer, or a drainage space. In moist (A) or marine (C) climate zones, water-resistive barriers shall comply with one of the following. In addition to the water-resistive barrier, a space or drainage material not less than 3/16" (4.8 mm) in depth shall be applied to the exterior side of the water-resistive barrier, OR drainage on the exterior side of the water-resistive barrier shall have a minimum drainage efficiency of 90 percent in accordance with ASTM E2273.**

-EIFS **shall comply with IRC R703.9.2, which installed over wall assemblies (with exception of substrates of concrete or masonry) EIFS shall have an average drainage efficiency of 90 percent. The water-resistive barrier shall comply with ASTM E2556 Type I or II, and shall be applied between the EIFS and the wall sheathing.**

-BRICK **should be installed per manufacturer's installation instructions and per IRC 703.8. Section 703.8.4 of IRC states that a nominal 1" airspace is required between the veneer and WRB for wood stud construction. The Brick Industry recommends 1" airspace for wood stud construction and 2" airspace in front of steel stud construction. ALTA WRBs should be installed consistent with these codes and recommendations.**

-STONE VENEER **is referenced in IBC Section 1404.7, and states that two layers of water-resistive barrier shall be used. Two layers of ALTA WRBs can be used, or one layer of ALTA WRB and one layer of grade D building paper, with the ALTA WRB being the front or back layer.**

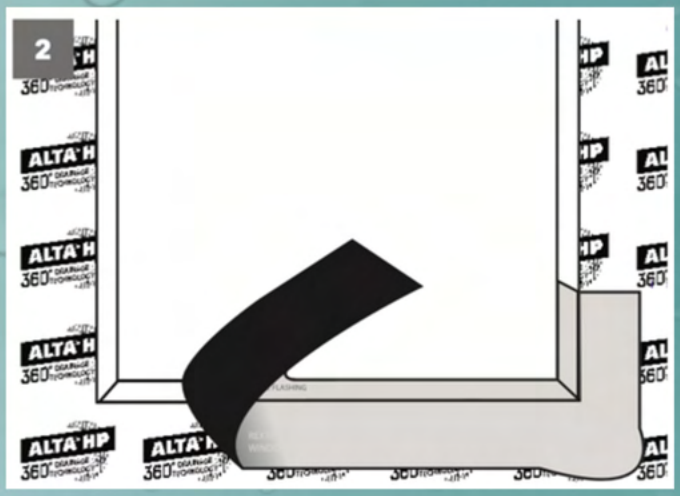
-EXTERIOR INSULATION **and ALTA WRBs should be installed according to the manufacturer's instructions. Exterior insulation can be installed behind or over the ALTA WRB, based on the design of the structure. All wall flashing should be integrated with the ALTA WRB layer for a high-performance wall assembly. All fasteners used to install ALTA WRBs to insulation board should be long enough to penetrate the insulation completely.**

2 | WRB INSTALLATION INSTRUCTIONS

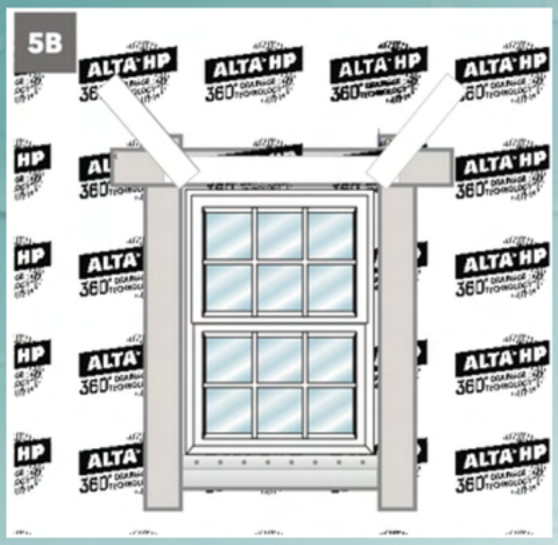
1. Install the WRB, printed side facing out, directly to the sheathing, insulation board, or directly to framing members.
2. Align the roll at bottom corner of structure, making sure to lap over the sill plate at a minimum 1" (2" or greater is recommended). Make sure the WRB is properly integrated into water drainage components. Make sure to start at a corner and fasten the material to a framing member or wood sheathing.
3. Wrap the entire structure, including windows and doors, starting at the bottom and moving up in a shingle lap technique. Product should be pulled tightly, eliminating all wrinkles or creases. Use cap staples, cap nails, or large head nails. Fasteners should be at a maximum 16" along the top and bottom sill, and 32" on center in the field.
4. All vertical laps should be a minimum of 6" and horizontal laps a minimum of 2".
5. All laps should be sealed using Seam Tape, except for the sill lap at the base of the structure, for a continuous barrier.
6. Cuts into the wrap for windows should either be an "I" cut where the jambs are folded and fastened to an interior framing member, and doing a 45 degree diagonal cut of the header WRB and folding up. An alternative is to completely cut away all WRB, including 1" on the jambs and sill, while still cutting the header at 45 degrees and folding up. AAMA procedure A or B is acceptable for ALTA WRBs, depending on the window manufacturers preferred method.

3 | WINDOW FLASHING INSTALLATION INSTRUCTIONS

1. Make sure all window openings and surfaces are free from excessive moisture and debris. All flashing products require pressure (roller) for optimum adhesion. For any non-wood sheathing an adhesion test is suggested as surfaces differ. All products should have superior adhesion to most surfaces, but if required use an adhesion promoter in order to guarantee maximum results.
2. The sill flashing should be cut at least 12" longer than the rough opening. Place the product into the sill and remove the release liner on the framing side, covering at least 6" up each jamb., making sure the sill flashing does NOT go into the interior of the wall or is stretched up the jamb. Stretch the flashing on the outside of the windows, making sure there is at least 2" of coverage onto the WRB.

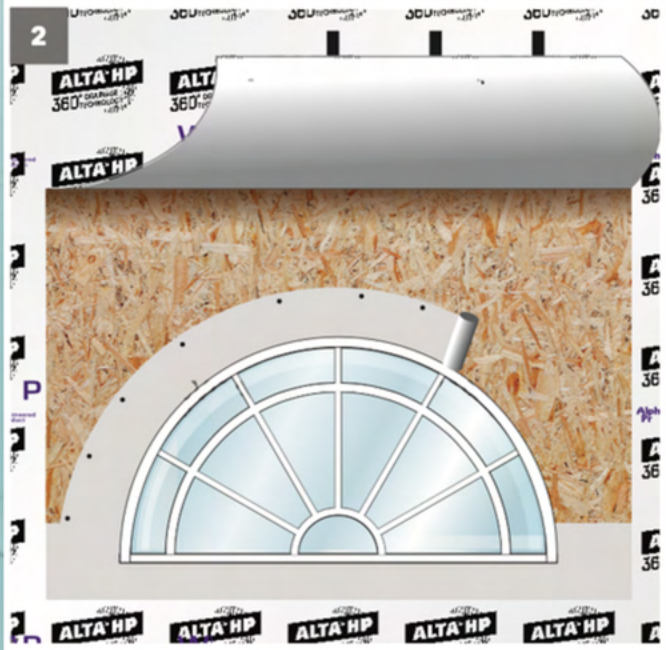


3. For AAMA Method A, place the window into the opening and seal properly.
4. Cut the jamb flashing at least 3" past the sill flashing and 3" past the header rough opening. Place the flashing over the sill flashing and use pressure.
5. Cut the header flashing past the jamb flashing and apply using pressure. Let the WRB lay over the header flashing and using tape to secure the joints.



4 | ARCHED WINDOW FLASHING

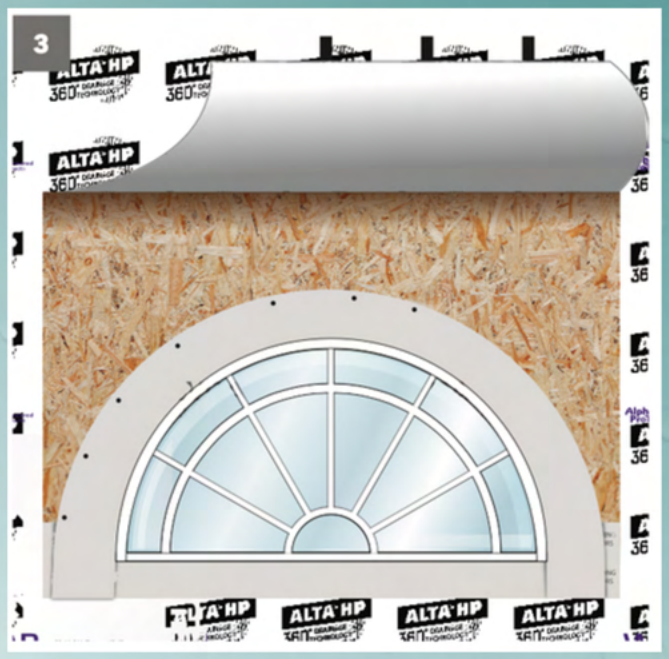
1. Make sure all window openings and surfaces are free from exces- sive moisture and debris. All flashing products require pressure (roller) for optimum adhesion. For any non-wood sheathing an ad- hesion test is suggested as surfaces differ. All products should have superior adhesion to most surfaces, but if required use an adhesion promoter in order to guarantee maximum results.

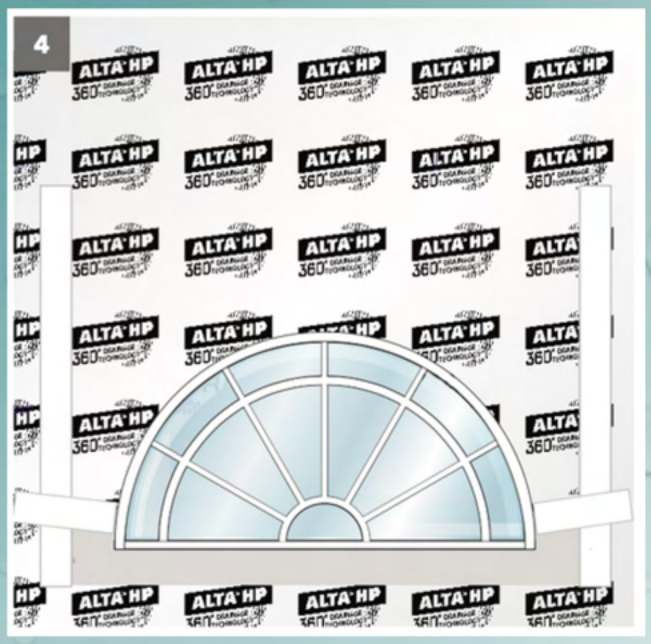


2. The sill flashing should be cut at least 12" longer than the rough opening. Place the product into the sill and remove the release liner on the framing side, covering at least 6" up each jamb, making sure the sill flashing does NOT go into the interior of the wall or is stretched up the jamb. Stretch the flashing on the outside of the windows, making sure there is at least 2" of coverage onto the WRB.

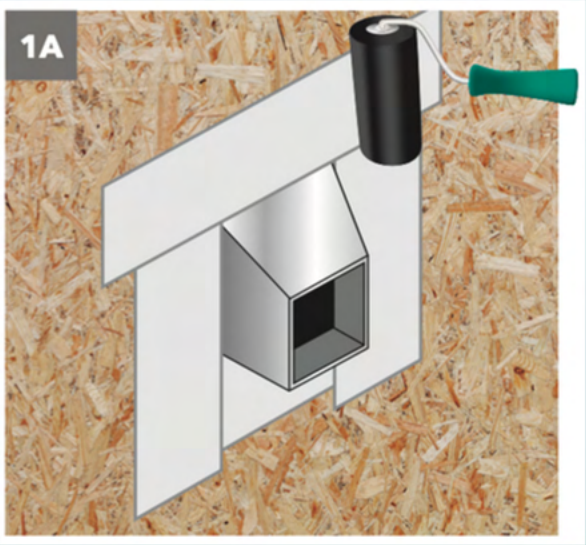
3. Cut the jamb flashing at least 3" past the sill flashing and 3" past the header rough opening. Place the flashing over the sill and apply pressure to ensure proper adhesion.

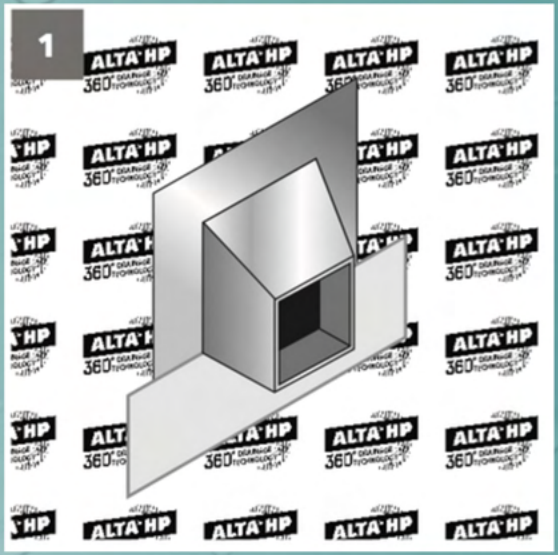
4. Using Flashing, cut a header piece 12" longer than the window arc. Install the flashing to the contour of the window, applying pressure and overlapping the jamb or sill flashing. Let the WRB lay over the header flashing and use seam tape to secure the joints, making sure to NOT tape along the window arc.

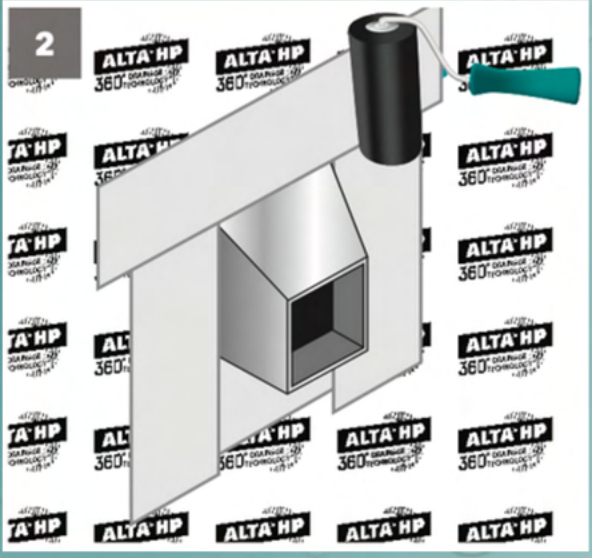




5 | SQUARE PENETRATIONS AND TEARS



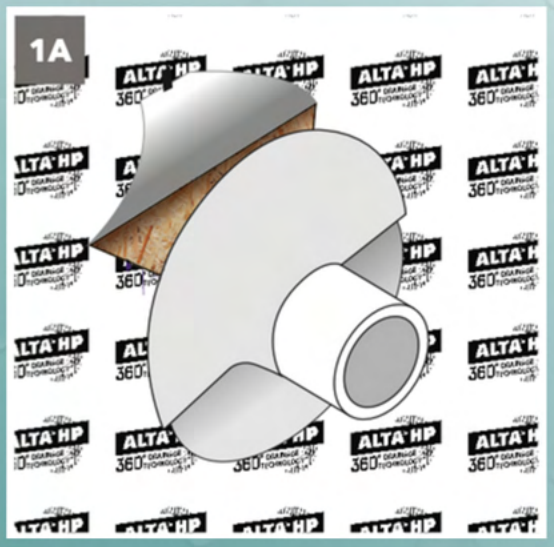


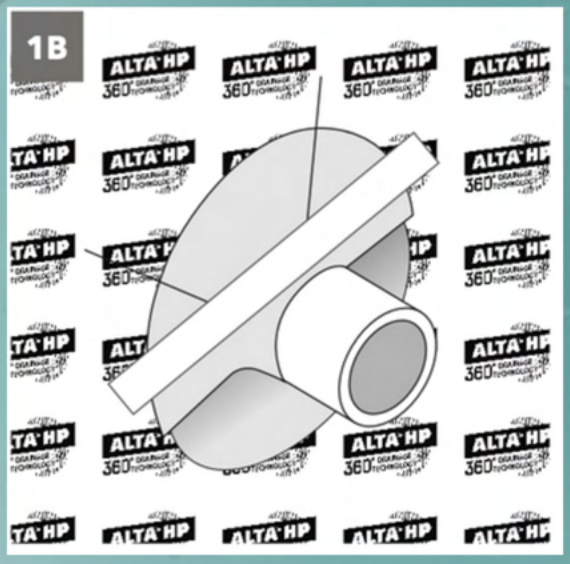


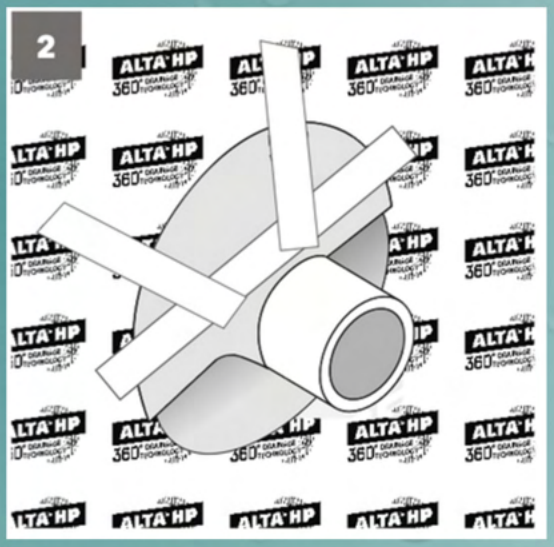
1. **For square (flanged) penetrations cut around the penetration carefully a minimum of 1" around the flange. Use flashing, starting at the bottom, then the sides, and finally the header in order to create proper shingling.**

2. **Tears can occur due to the nature of a construction site, and can be easily handled. All tears should be covered using Seam Tape, flashing, or another small piece of ALTA WRBs, properly lapped and then taped.**

6 | ROUND PENETRATIONS AND TEARS







1. For round or non-flanged penetrations, based on the condition of the penetration there are two methods.

   a. If the penetration is cut cleanly, use Flashing to pro- vide a seal around the penetration, using a piece of straight flashing on the top for shingling if necessary.

   b. If the penetration is NOT a clean cut, cut a piece of ALTA WRBs to go over the obstruction, with enough coverage to lap the existing product. Tape the ALTA WRB in place using Seam tape or flashing, starting from the bottom and mov- ing up. Finally use flashing, as stated in method A.

2. Tears can occur due to the nature of a construction site, and can be easily handled. All tears should be covered using Seam Tape, flashing, or another small piece of ALTA WRBs, properly lapped and then taped.