

**BENJAMIN
OBDYKE**

roof & wall products

Installation Instructions

FLATWRAP® HP HOUSEWRAP

FLATWRAP® HP
COMMERCIAL-GRADE WRB

Approved Compatible Products

FASTENERS

Staples
Cap Fasteners*#

SEAM TAPE

Benjamin Obdyke HydroFlash® GP 2.3 in. Sealing Tape^
Benjamin Obdyke HydroFlash® UV+ 2.3 in. Sealing Tape^

SELF-ADHERED FLASHING

Benjamin Obdyke HydroFlash® GP*#
Benjamin Obdyke HydroFlash® UV+*#
ZIP System™ Flashing Tape
SIGA Wigluv
SIGA Fentrim F
3M™ All Weather Flashing Tape 8067
DuPont™ FlexWrap™ NF
Nichigo G-Tape™ 3040BK

RAINSCREENS

Benjamin Obdyke Slicker® Classic Rainscreen#
Benjamin Obdyke Slicker® MAX Rainscreen#
Benjamin Obdyke Batten UV
Wood furring strips

CAULKS & SEALANTS

HydroFlash® LA
OSI® QUAD® MAX Sealant
Loctite® Premium® Construction Adhesive
Loctite® PL Premium® S40 Polyurethane
GeoCel® 2300 Construction Tripolymer
GeoCel® Pro Flex®
Bostik® 915™ Polyurethane Sealant
Bostik® 915FS™ Polyurethane Sealant
Dow Corning® 732 Multi-purpose Sealant
NPC® Solar Seal #900
Titebond® WeatherMaster™
Titebond® WeatherMaster™ ULTIMATE MP
Tremco® Vulkem® 116
DAP® Flexible CLEAR Sealant

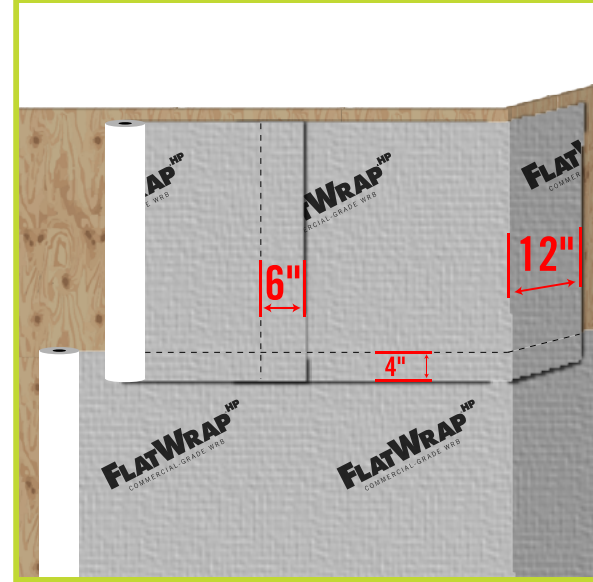
***required components to achieve 15 YEAR PRODUCT
AND LABOR LIMITED WARRANTY**

**#required components to achieve Slicker® Rainscreen
25 YEAR PRODUCT AND LABOR LIMITED WARRANTY**

**^optional components to achieve 10 YEAR PRODUCT
LIMITED WARRANTY**

Pre-Installation Considerations

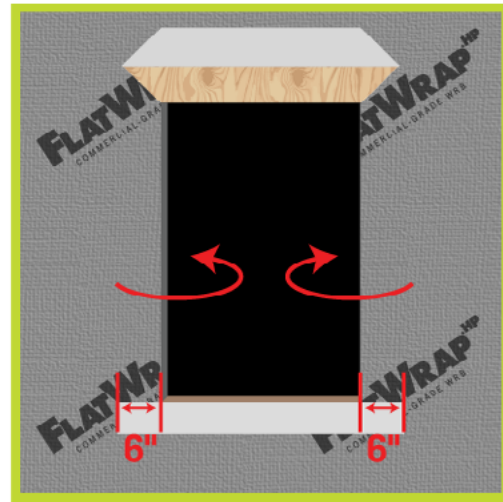
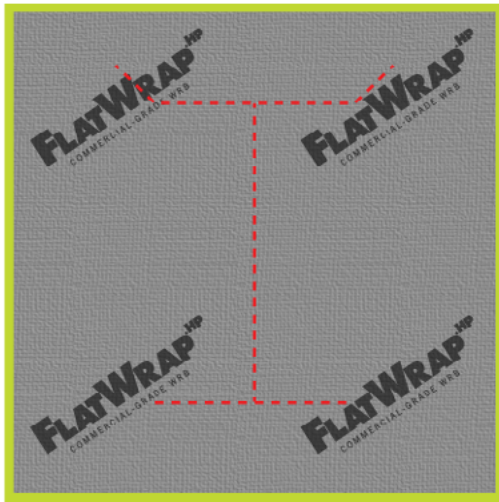
- Unroll FlatWrap® HP with printed side facing out and fasten to sheathing with nails, staples or, cap fasteners.
- Fasteners should provide a minimum of 1/2 inch penetration into the nail base and be spaced approximately 12 to 18 inches apart along the horizontal and vertical laps. Fasten every 3 sq ft elsewhere.
- FlatWrap® HP should be installed shingle lap fashion (ie. begin installation at the base of the wall assembly).
- Extend the housewrap a minimum 2 inches over sill plate.
- Overlap all horizontal seams by at least 4 inches, all vertical seams by at least 6 inches, and corners by 12 inches.
- Be sure that the housewrap installation and flashing provide for positive drainage to the exterior of the assembly.
- Do not allow the housewrap to be exposed to sunlight in excess of 120 days prior to the installation of cladding.
- Taping of seams is NOT REQUIRED.
- Flash wall penetrations (such as outlets, exhaust vents, etc.) with proper shingling technique to maintain drainage to the exterior.
- Flash windows and doors according to building code requirements. Surface should be clean and dry. All self-adhered flashing must be adhered using a hand applicator. HydroFlash® should be stored inside or in conditioned space prior to installing in cold temperatures.
- Install windows and doors per manufacturer's installation instructions.
- Tape all tears and holes that may have been inadvertently introduced during the construction process.
- FlatWrap® HP can be installed in any direction and still maintain its performance characteristics.
- **When installing FlatWrap® HP as the primary air barrier, consider the following:**
 - Tape all seams with HydroFlash® 2.3 in. Surface must be clean and dry and tape must be adhered using a hand applicator.
 - Seal the bottom of the first course to the foundation or sill plate using approved sealant.
 - Tape/seal all penetrations and tears. Surface must be clean and dry and tape must be adhered using va hand applicator.
 - Use cap fasteners.
- For commercial installation above 40 feet, increase nailing pattern at horizontal and vertical overlaps to every 18 inches. Cap fasteners are also recommended for installation above 40 feet.
- To achieve 15 YEAR PRODUCT AND LABOR LIMITED WARRANTY:
 - Install with Benjamin Obdyke wall system accessories**
 - Cap fasteners must be used (any brand)
 - HydroFlash® must be used as the self-adhered flashing for windows, doors, and other penetrations
 - HydroCorner® can be used in conjunction with HydroFlash® to treat the sills
 - Taping seams of housewrap is optional, but HydroFlash® (2.3" or wider) must be used if seams are taped



Basic Installation & Window Flashing: “Fold-In” Method

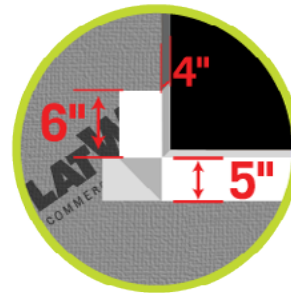
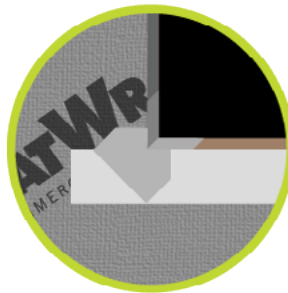
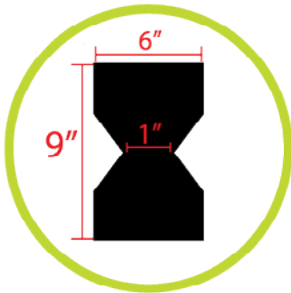
Step 1

- Wrap the entire building including window and door openings.
- At each window opening, cut an “I” shape into the housewrap. Cut housewrap above the top corners 45 degrees away from window opening to account for flashing width.
- Fold side flaps into rough opening and cut/fasten.
- Fold up top trapezoid shape “flap” and secure temporarily with tape prior to installing window.



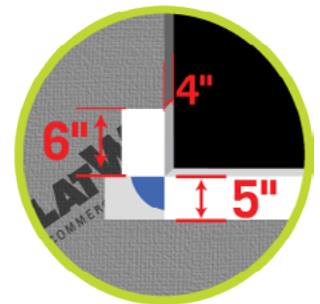
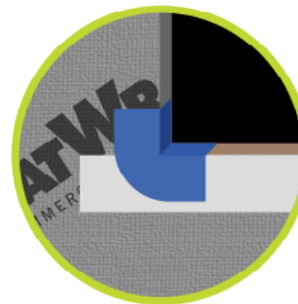
Step 2

- (Optional) Install sloped sill or back dam (optimal slope 1/4”), except when using approved pre-manufactured sill pan.
- To properly flash the sill, cut and install corner patch flashing or use HydroCorners.
- Install pre-cut HydroFlash over corner patches. Install HydroFlash to extend at least 6” up the side of each jamb inside the window opening.



HydroCorners

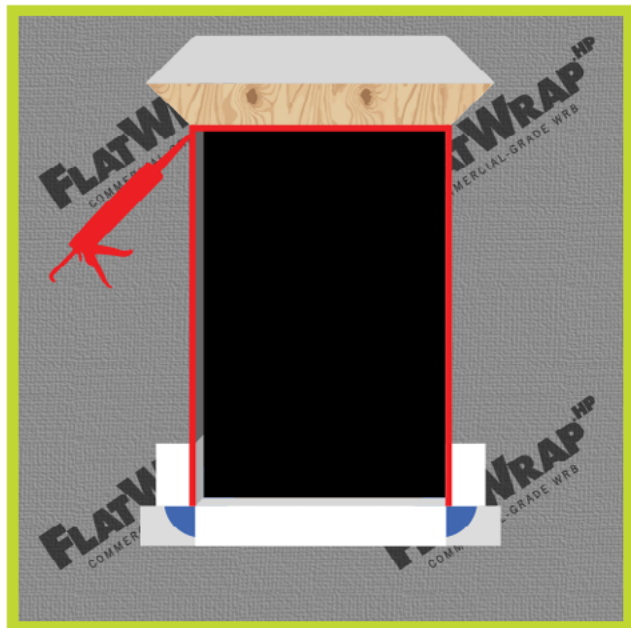
- To use HydroCorners instead of corner patches, place a HydroCorner in each sill corner and fasten in place with a staple. Install pre-cut HydroFlash over corner patches. Install HydroFlash GP to extend at least 6” up the side of each jamb inside the window opening.



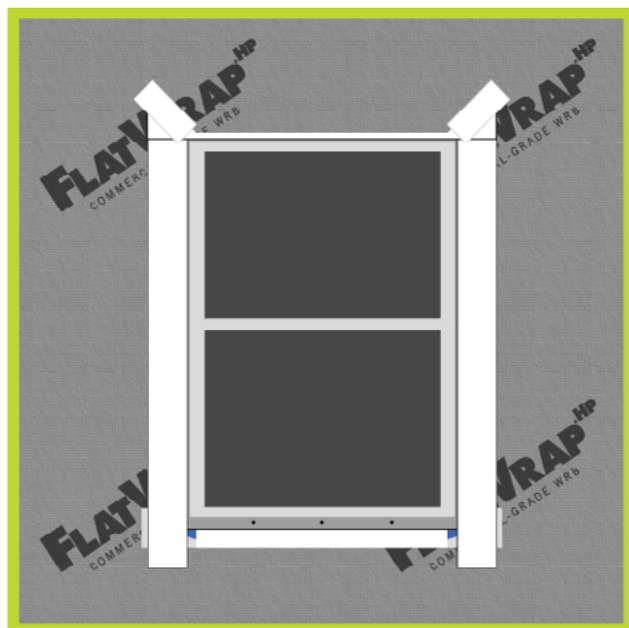
Basic Installation & Window Flashing: “Fold-In” Method

Step 3

- Apply caulk/sealant at jambs and head.
- Install flanged window.
- Install HydroFlash® to the side jambs. Surface should be clean and dry and self-adhered flashing should be applied using a hand applicator.



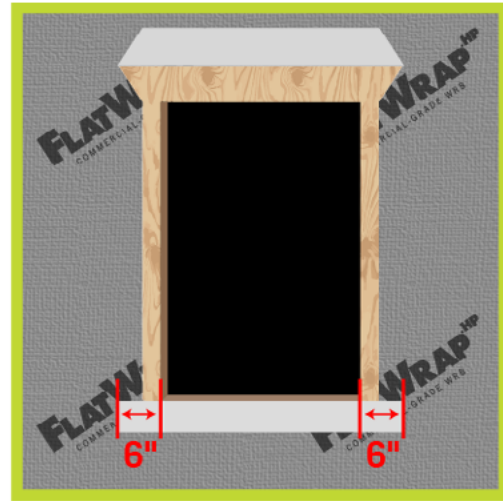
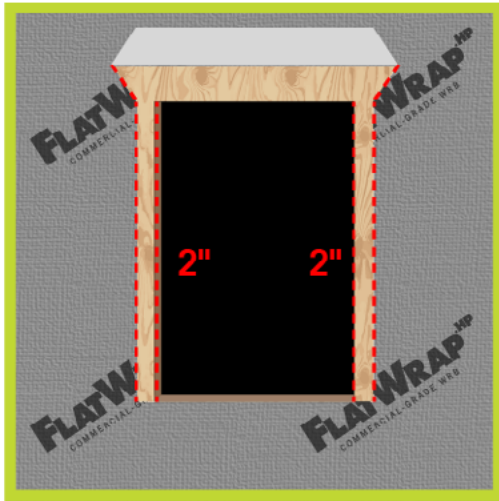
- Install drip cap. Install HydroFlash® header flashing. Surface should be clean and dry and self-adhered flashing should be adhered with a hand applicator.
- Fold top flap down on top of flashed header and apply HydroFlash® at diagonal cuts.



Basic Installation & Window Flashing: “Cut-Back” Method

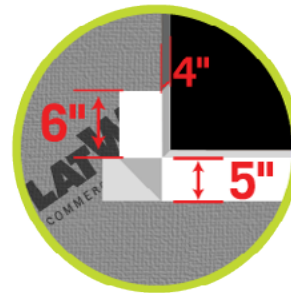
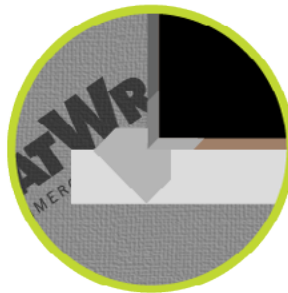
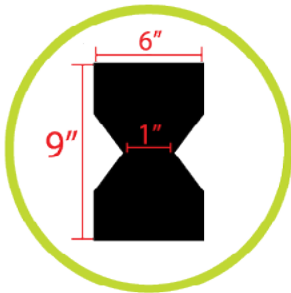
Step 1

- Wrap the entire building including window and door openings.
- At each window opening, cut housewrap flush with window opening. Then, cut housewrap back 2" at each window jamb to reveal sheathing. Cut housewrap above the top corners 45 degrees away from window opening to account for flashing width.
- Fold up top trapezoid shape “flap” and secure temporarily with tape prior to installing window.



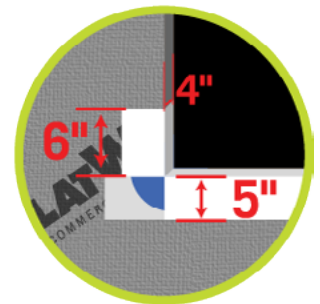
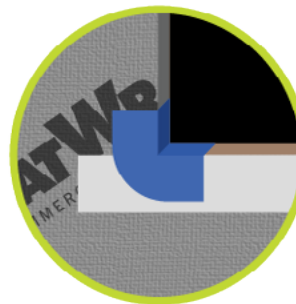
Step 2

- (Optional) Install sloped sill or back dam (optimal slope 1/4"), except when using approved pre-manufactured sill pan.
- To properly flash the sill, cut and install corner patch flashing or use HydroCorners.
- Install pre-cut HydroFlash over corner patches. Install HydroFlash to extend at least 6" up the side of each jamb inside the window opening.



HydroCorners

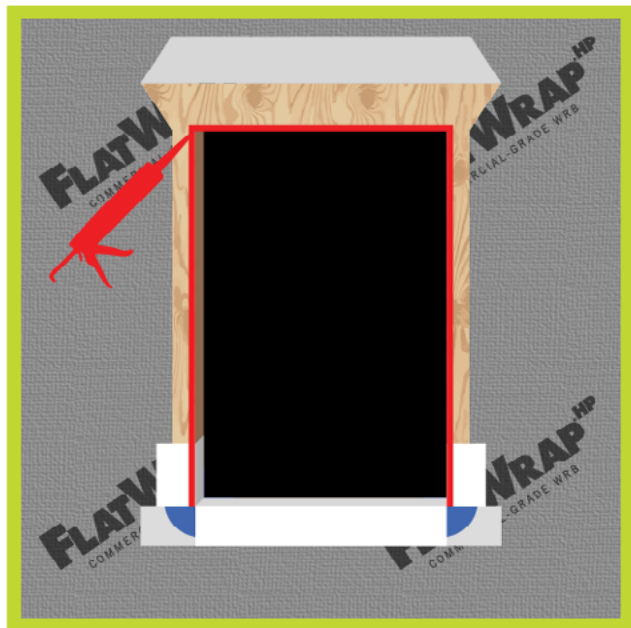
- To use HydroCorners instead of corner patches, place a HydroCorner in each sill corner and fasten in place with a staple. Install pre-cut HydroFlash over corner patches. Install HydroFlash GP to extend at least 6" up the side of each jamb inside the window opening.



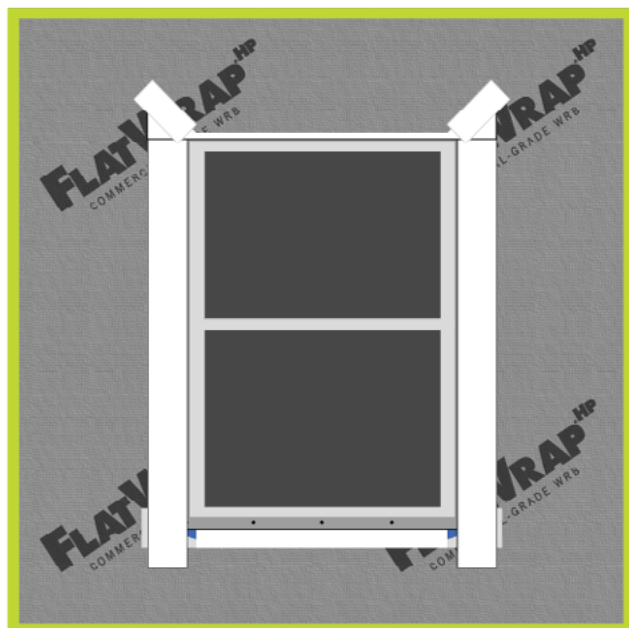
Basic Installation & Window Flashing: “Cut-Back” Method

Step 3

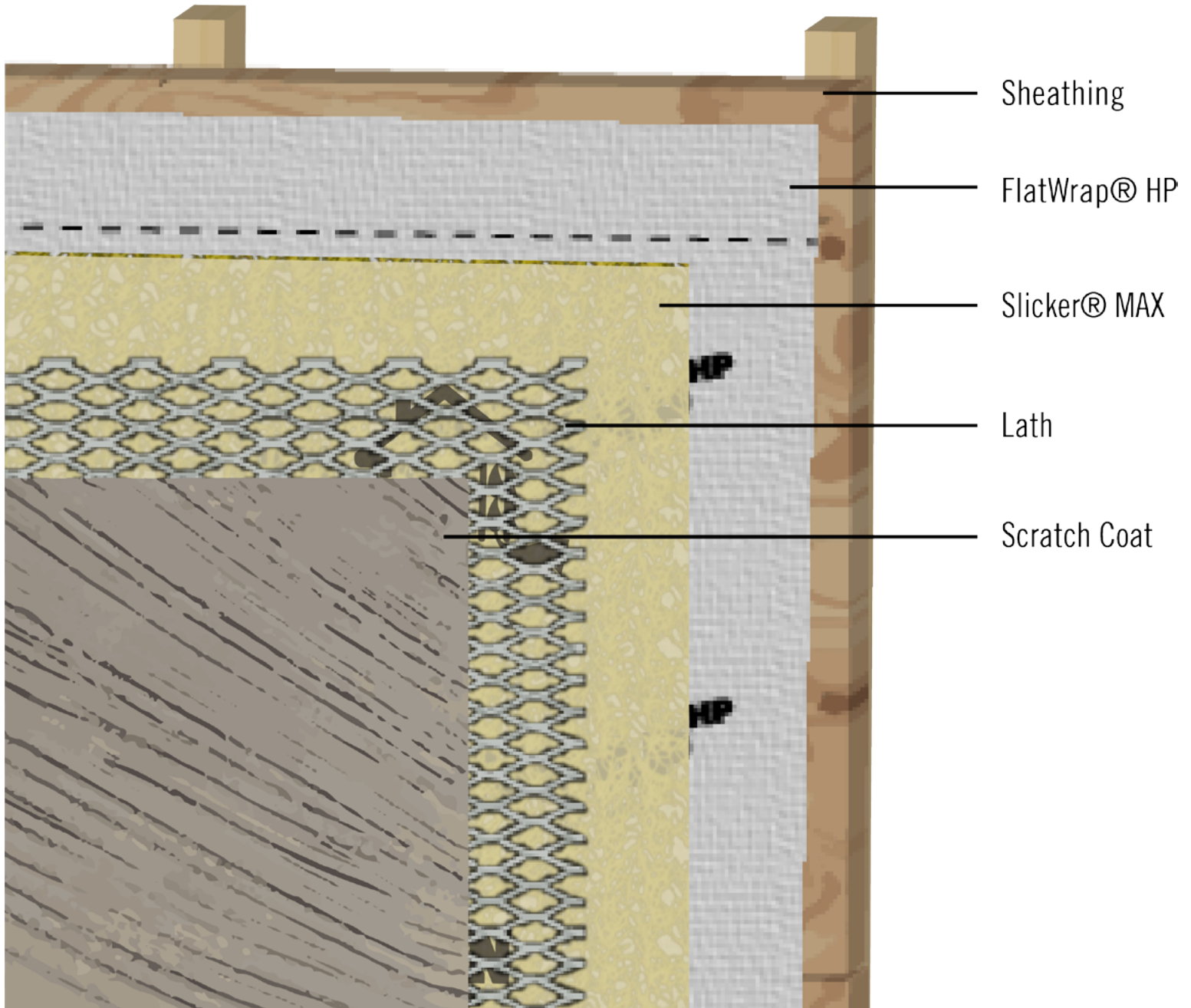
- Apply caulk/sealant at jambs and head.
- Install flanged window.
- Install HydroFlash® to the side jambs. Surface should be clean and dry and self-adhered flashing should be applied using a hand applicator.



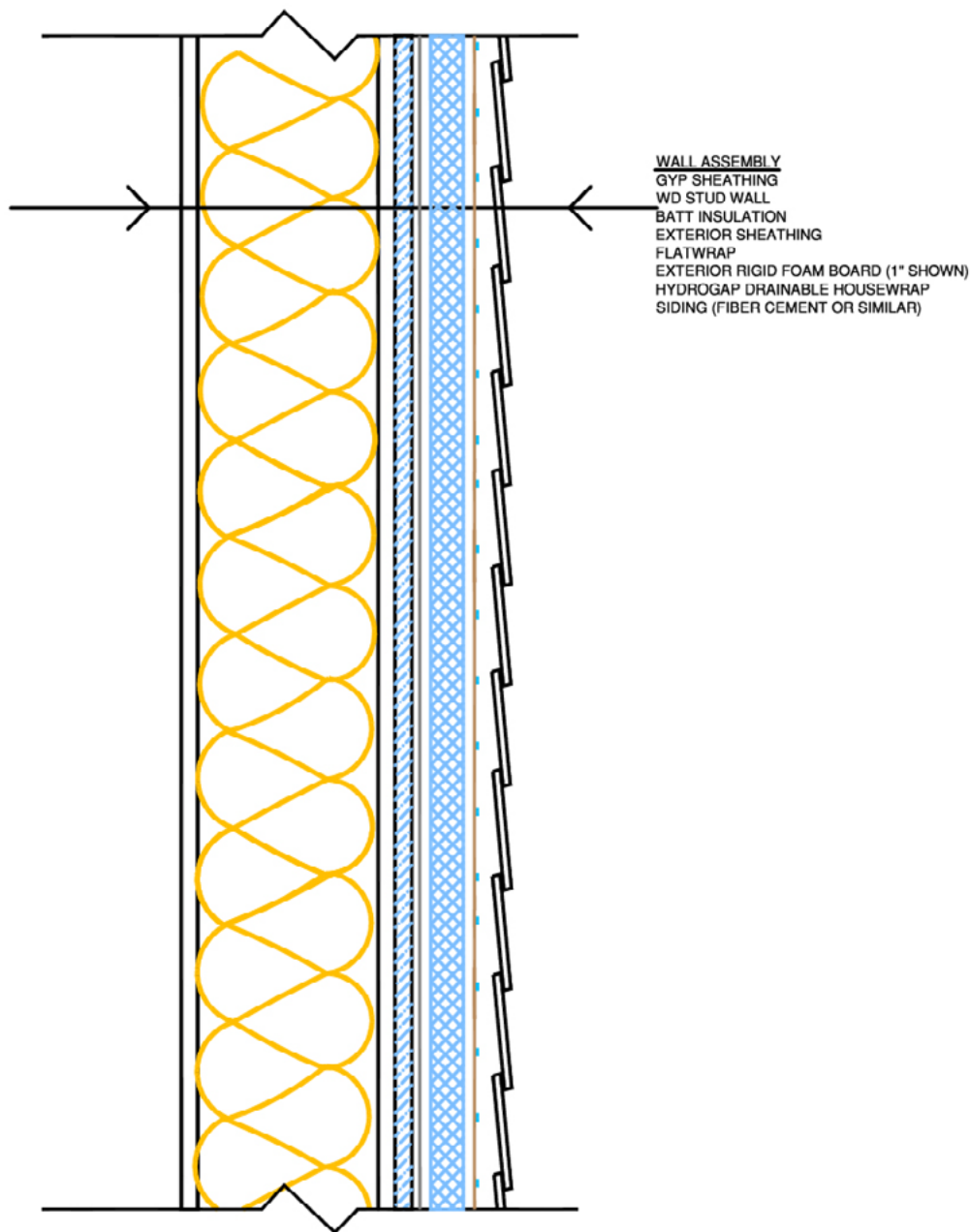
- Install drip cap. Install HydroFlash® header flashing. Surface should be clean and dry and self-adhered flashing should be adhered with a hand applicator.
- Fold top flap down on top of flashed header and apply HydroFlash® at diagonal cuts.



Stone & Stucco Application: Stucco & Stone Assembly



Rigid Foam Applications: Option 1



OPTION 1: FLATWRAP, RIGID FOAM AND HYDROGAP