



Technical  
Specs

**STRATFORD STONE™**

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At OBERFIELDS, our objective is to provide our customers with innovative concrete building materials that are specifically designed to meet their needs and expectations. We offer an array of products for your convenience and scheduling needs.

You deserve a quality product from a manufacturer that is committed to helping you achieve your goals. Our dependable and experienced staff is prepared to assist you with any type of project. This guide has been put together to help you with your building needs in mind.

Please refer to it with any questions regarding proper procedures and application techniques related to our Stratford Stone™ products and accessories. Please remember, this installation guide does not replace or supersede any local building codes.

## OUR COMPANY

OBERFIELDS is the leading manufacturer of concrete masonry products in Ohio. We pride ourselves on the innovation of new products and meeting our customers needs.

In response to this, we have created Stratford Stone™. A manufactured stone crafted from molds that replicate the nuances of natural stone.

## OUR PRODUCTS

### Popular Simulated Stone Styles

Limestone - Rustic Ledgerstone - Stacked Stone

### Accent & Accessory Products

Corners - Keystones - Electrical Outlet Covers - Water Tables - Water Faucet Outlet Covers - Address Blocks

## OUR GUARANTEE

OBERFIELDS offers a Limited Lifetime Warranty on our Stratford Stone products when installed according to manufacturer's instructions on structures conforming to local building codes.

Warranty coverage is limited to replacement or repair of defective materials only and does not cover labor to remove or replace materials. Warranty coverage is limited to the original purchaser. OBERFIELDS will not be liable for any damage or defects due to faulty or improper installation, willful abuse, misuse, or damage resulting from fire, lightning, or other Acts of God or any other cause beyond the manufacturer's control.



Stratford Stone is designed and produced to meet or exceed building code requirements. Please see our supporting data below.

## **INGREDIENTS**

Portland Cement, Iron Oxide Pigments, Lightweight Aggregate

## **COLOR RETENTION**

All colors are from permanent mineral oxides. No significant color change is visible over the life of the product.

## **COMBUSTION**

Underwriter's Laboratory listing states 1) Zero flame spread, 2) Zero fuel contributed and 3) Zero smoke developed





# SUMMARY TABLE



Wall Systems	Water Resistive Barrier	Lath	Fastening	Scratch Coat
<p><b>Wall Type:</b> Wood or steel stud, no more than 16" O.C.</p> <p><b>Ridge Sheathing:</b> Gypsum wall board Plywood OSB Concrete Board Fiber Board</p> <p>Note: Non-rigid insulation board over rigid sheathing is limited to max 1/2" thick.</p>	<p>Minimum 2 separate layers #15 felt (ASTM D 226 No. 15, Type 1) Or Minimum 2 separate layers Grade D paper (ICC-ES Acceptance Criteria AC 38) Or 1 layer house wrap (ICC- ES Acceptance Criteria AC 38), and 1 layer Grade D paper (ICC-ES Acceptance Criteria AC 38), or #15 felt (ASTM D 226 No. 15, Type 1)</p> <p>Note: One layer of paper-backed lath meeting the requirements of Grade D paper may qualify for one layer of WRB.</p>	<p>2.5 lbs or 3.4 lbs. self-furred corrosion- resistant lath Or 18 gauge woven wire mesh (ASTM C 1032) Or Alternate lath acceptable with a product evaluation acceptance report showing compliance to ICC-ES AC 275.</p>	<p>Corrosion resistant fasteners (ASTM C 1063) min. 1" into wood framing member or 3/8" through metal framing member.</p>	<p>Mortar, nominal 1/2" thick, Type N or Type S meeting ASTM C270. "Scratch" surface when "thumbprint hard"</p>

Wall Systems	Water Resistive Barrier	Lath	Fastening	Scratch Coat
<p>"Open Stud" Construction</p> <p>Wood or steel, no more than 16" O.C. No sheathing or insulation board only (open studs):</p> <p>Note: Non-rigid insulation board over rigid sheathing is limited to max 1/2" thick.</p>	<p>Minimum 2 separate layers #15 felt (ASTM D 226 No. 15, Type 1) Or Minimum 2 separate layers Grade D paper (ICC-ES Acceptance Criteria AC 38) Or 1 layer house wrap (ICC- ES Acceptance Criteria AC 38), and 1 layer Grade D paper (ICC-ES Acceptance Criteria AC 38), or #15 felt (ASTM D 226 No. 15, Type 1)</p> <p>Note: One layer of paper-backed lath meeting the requirements of Grade D paper may qualify for one layer of WRB.</p>	<p>3.4 lb. Self-furring 3/8" ribbed corrosion- resistant lath (ASTM C 847) Or 18 gauge woven wire mesh (ASTM C 1032) Or Alternate lath acceptable with a product evaluation acceptance report showing compliance to ICC-ES AC 275.</p>	<p>Corrosion resistant fasteners (ASTM C 1063) min. 1" into wood framing member or 3/8" through metal framing member.</p>	<p>Mortar, nominal 1/2" thick, Type N or Type S meeting ASTM C270. "Scratch" surface when "thumbprint hard"</p>

# SUMMARY TABLE



Wall Systems	Water Resistive Barrier	Lath	Fastening	Scratch Coat
<p>Clean Concrete, Masonry/CMU, or Stucco</p> <p>Note: walls/surface must be clean and free from release agents, paints, stains, sealers, or other bond-break materials, that may reduce strength of mortar adhesion.</p>	<p>Note: A WRB may be needed to prevent moisture from penetrating the wall.</p>	<p>Install lath if question or concern regarding ability of veneer to adhere to wall.</p> <p>2.5 lb. Or 3.4 lb. self-furring 3/8" ribbed corrosion-resistant lath (ASTM C 847)</p> <p>Or</p> <p>18 gauge woven wire mesh (ASTM C 1032) alternate lath acceptable with a product evaluation acceptance report showing compliance to ICC-ES AC 275.</p>	<p>If lath is applied, use corrosion resistant fasteners (ASTM 1063).</p>	<p>If a scratch coat is required use a nominal 1/2" thick, Type N or Type S mortar, meeting ASTM 270.</p> <p>"Scratch" surface when "thumbprint hard"</p>

Wall Systems	Water Resistive Barrier	Lath	Fastening	Scratch Coat
<p>Existing concrete, masonry/CMU, stucco or brick (structurally sound) (i.e. painted or not clean)</p>	<p>Note: A WRB may be needed to prevent moisture from penetrating the wall.</p>	<p>2.5 lb. or 3.4 lb. self-furring 3/8" ribbed corrosion-resistant lath (ASTM C 847)</p> <p>Or</p> <p>18 gauge woven wire mesh (ASTM C 1032) alternate lath acceptable with a product evaluation acceptance report showing compliance to ICC-ES AC 275.</p>	<p>If lath is applied, use corrosion resistant fasteners (ASTM 1063).</p>	<p>If a scratch coat is required use a nominal 1/2" thick, Type N or Type S mortar, meeting ASTM 270.</p> <p>"Scratch" surface when "thumbprint hard"</p>

Wall Systems	Water Resistive Barrier	Lath	Fastening	Scratch Coat
<p>Metal Buildings or other surfaces/wall construction not listed above.</p>	<p>See manufacturer for recommendations.</p>			



## Workmanship

This Installation Guide assumes that construction personnel have knowledge of the materials described and their proper methods of installation.

Prior to commencing activity related to the scope of this Guide, review all adjacent products and other subcontractor's work that precedes the installation of Stratford Stone to ensure that proper workmanship is reflected and that there are no recognizable errors or deficiencies.

## Building Code Requirements

Building code requirements vary from area to area. Check with local authorities for building code requirements for your area and application. Carefully read all sections of this Guide and follow the manufacturer's installation instructions before proceeding with your Stratford Stone application. In the event the manufacturer's installation instruction conflict with the intent of statements made in this document, contact the manufacturer for additional guidance.

## Project Site Requirements

Always follow proper job site safety requirements when installing Stratford Stone. Follow all OSHA requirements when installing Stratford Stone products.

## Material Requirements

### Flashing

All flashing and flashing accessories must be corrosion resistant materials and integrated with the water resistive barrier (WRB) materials. Flashing must be installed at all through-wall penetrations and at terminations of Stratford Stone installations.

### Rainscreen Drainage Plan Systems

Rainscreen building techniques have been used in construction for many years. These techniques are typically used to improve the escape of incidental water and decrease drying time. Rainscreen products such as drainage mats or formed polymer sheeting or construction techniques (such as strapping or furring) that create a capillary break/air space between the cladding and the primary water resistive barrier can be effectively incorporated into Stratford Stone applications. Refer to the rainscreen/drainage system manufacturer's recommendations for applications with adhered concrete masonry veneer wall systems.

## Weep Screed

Weep screeds must be of corrosion resistant metal-minimum 0.019 inches or a minimum No. 26 gage, or a plastic weep screed minimum 0.050", and with a minimum vertical attachment flange of 3 1/2" wide.

## Lath

Stratford Stone recommends using the following lath materials:

- 2.5 lb/yd<sup>2</sup> metal lath meeting ASTM C847
- 3/8" rib, 3.4 lb/yd<sup>2</sup> self-furred metal lath meeting ASTM C847
- 18 gauge (or heavier) woven wire mesh meeting ASTM C1032
- Other approved lath may be acceptable for use with Stratford Stone provided the lath meets an appropriate ASTM standard or the lath product is consistent with the Stratford Stone manufacturer's installation instructions and has an evaluation acceptance report from an ANSI Accredited Evaluation Service showing compliance with ICC-ES Acceptance Criteria 275 (AC275).

All lath and lath accessories must be made of corrosion resistant material. All lath material must be self-furred or use self-furring fasteners.

## Fasteners

Corrosion resistant fasteners are used to secure flashing and lath. A variety of fasteners are available such as staples, screws, and nails. For specific fastener selective criteria, refer to ASTM C1063 Sec. 7.10.2.

- Wood Framing-Corrosion resistant staples, corrosion resistant roofing nails, or corrosion resistant screws and washers, all to be of sufficient length to penetrate a minimum of one inch into framing members.
- Metal framing or panels-corrosion resistant, self-tapping screws with sufficient length to penetrate 3/8 inch through metal studs or panels, with heads or washers large enough to not pull through lath.
- Masonry walls or panels-corrosion resistant concrete screws or powder actuated fasteners (or cap fastener), with heads or washers large enough to not pull through lath.



## Mortar

Any of the following mixes may be used:

Mix 1:

- 1 part Portland Cement (ASTM C150)
- 1 part Lime (ASTM C207)
- 4.5 parts Sand (ASTM C144)
- Portable Water

Mix 2:

- 1 part Type S Masonry Cement (ASTM C91)
- 2.25 parts Sand (ASTM C144)
- Portable Water

Mix 3:

- 1 part Type N Masonry Cement (ASTM C91)
- 2.25 parts Sand (ASTM C144)
- Portable Water

## Premix Mortar

Premixed mortars must meet the requirements of ASTM C270 for Type N or Type S. Check with the mortar manufacturer to determine if the premixed mortar is suitable for installation of adhered concrete masonry veneer and it meets building code requirements of 50 psi shear bond when tested in accordance with ASTM C482.

Check with OBERFIELDS on additional requirements and recommendations if using color pigments, integral bonding agents or other admixtures in your mortar mix.

Mortars mixed with high amounts of sand will tend to be less workable. Mortar mixed with higher amounts of cement will provide a greater bond strength but may be prone to increased dry-shrinkage cracking. Type N mortars are generally easier to grout than Type S. For the scratch coat, installation of Stratford Stone, and grouting Type N or Type S mortar meeting the above requirements are acceptable.

## Surface Preparation

### Walls and Wall Systems

Verify structural and surface integrity of existing wall prior to installation. Stratford Stone units must only be applied to structurally sound walls or structures.

Adhered Concrete Masonry Veneer may be successfully applied to other walls or wall systems that include standard wood and metal framing, rigid sheathing, or cementitious stucco scratch or brown coat that has not been slicked or burned.

**Other wall systems or structures may be acceptable with**

### Qualifications:

- **Masonry walls, poured-in-place concrete walls, and concrete tilt up panels** must be free of dirt, waterproofing, paints, form oil, or any other substance that could inhibit the mortar bond. Acid washing, sand/bead blasting, pressure washing, or a combination of these methods may be necessary to achieve the required bondable surface. If a bondable surface cannot be achieved, attach lath and scratch coat before installing Stratford Stone.
- **Existing masonry surfaces** must be evaluated for mortar and face integrity and must be free of dirt, waterproofing, paint, or any other substance that could inhibit the mortar bond. Surfaces may be cleaned by pressure washing, acid washing, sand/bead blasting, or a combination of these methods to achieve a bondable surface. If the surface cannot be cleaned, attach lath before applying the mortar scratch coat.
- **Open studs, non-rigid sheathing and metal siding** must be prepared with 3.4 lb paper backed lath with a minimum 1/2" thick scratch coat and allowed to cure for a minimum of 48 hours prior to Stratford Stone installation.

Wall systems outside the scope of this document which may require a specifically-designed installation system for Stratford Stone:

- Structural Insulating Panels (SIPs)
- Insulating Concrete Forms (ICFs)

Wall systems with these substrates are considered unacceptable for the application of Stratford Stone:

- Existing siding in unsound condition
- Deteriorating or unsound masonry surfaces

## Water Resistive Barrier

Where a WRB is required, OBERFIELDS recommends installing two separate layers in shingle fashion, starting from the bottom of the wall. The upper layer of the WRB should lap on top of the lower layer by a minimum of six inches. Inside and outside corners must be overlapped a minimum of 16" past the corner in both directions. The WRB should be installed in accordance with the manufacturer's recommendations and be integrated with all flashing accessories, adjacent WRBs, doors, windows, penetrations, and cladding transitions.

## Lath

Metal lath should be applied horizontally with the cups up "rough side up", smooth side down" per manufacturer's instructions, and should overlap a minimum of one inch on the horizontal and vertical seams. The ends of adjoining lath pieces should be wrapped around inside and outside corners to the next stud. Lath should be fastened every six inches vertically on each stud or similar spacing on concrete wall surfaces. Do not end lath at corner framing. It is preferred that lath fasteners do not penetrate through the exterior sheathing between the studs.



## Flashings/Weep Screeds/ Casing Bead/Movement Joints

The weep screed should be corrosion resistant metal minimum 0.019-inch or No. 26 galvanized sheet gage, or a plastic weep screed minimum 0.050", and with a minimum vertical attachment flange of 3 1/2" wide.

All flashing and metal detail pieces should be manufactured of corrosion resistant material.

Verify that all flashing, including roofing kickout flashing, has been properly installed. Although roof flashings are not part of the wall cladding system, they are necessary for proper moisture management. Flashing material should extend above horizontal terminations, roofing material, and drainage planes or drainage products.

All flashing material should be integrated with water resistive barriers to prevent moisture penetration into structure. The WRB should overlap the weep screed flange.

\*Movement joints-do not install Stratford Stone over these joints.

## Clearances

- On exterior stud walls, weep screeds and other base flashings should be held a minimum of 4" above grade or a minimum of 2" above paved surfaces such as driveways, patios, etc. This minimum can be reduced to 1/2" if the paved surface is a walking surface supported by the same foundation supporting the wall.
- On exterior stud walls where the Stratford Stone continues down a concrete or CMU foundation wall, and where a weep screed is incorporated into the wall-to-foundation transition, at the bottom maintain minimum 2" clearance from grade, or 1/2" clearance from a paved surface.
- On exterior stud walls where the Stratford Stone continues down a CMU foundation wall, with WRB and lath installed down to the weep screed at bottom, maintain minimum 4" clearance from grade, or 2" clearance from a paved surface.
- Where Stratford Stone is applied over an exterior concrete or CMU wall, maintain 2" clearance from grade or 1/2" from a paved surface.
- Over an exterior concrete or CMU wall that is not enclosing conditioned space (i.e. Landscape walls, pillars, columns, etc).

## Installation of Adhered Concrete Masonry Veneer

Prior to commencing installation of Stratford Stone, ensure that the WRB and flashing are properly installed and integrated with each other. Refer to the flashing details, referenced in this Guide, for detailing around windows, doors, through-wall penetrations, and Stratford Stone terminations.

Before installing Stratford Stone, lay out a minimum of 25 square feet at the jobsite so there is a variety of sizes, shapes, and colors from which to choose. Mixing Stratford Stone sizes, shapes, textures and color will allow for variety and contrast in the design to achieve the desirable finished project.

## Mortar Scratch Coat

After the lath is installed, apply a nominal 1/2" thick layer of mortar over the lath, ensuring the lath is completely covered with mortar to allow for scoring of the surface. The mortar should be applied with sufficient pressure and thickness to fully embed the lath in mortar. Once the mortar is thumbprint hard, scratch (score) the surface horizontally to create the mortar scratch coat. Moist curing the mortar scratch coat will help reduce cracking and ensure proper hydration during curing. Before applying Stratford Stone, the mortar scratch coat should be dampened so that the surface appears wet but free of standing water.

## Grouted Adhered Concrete Masonry Veneer Application

Tip: Installing Stratford Stone from the top down will minimize cleanup requirements.

Prior to the application of mortar to the scratch coat or the back of the Stratford Stone, the scratch coat and back of the Stratford Stone should be moistened so that the surfaces appear damp but are free of standing water. The back of each Stratford Stone should be entirely buttered with mortar to a nominal thickness of 1/2". Cover the entire back of the Stratford Stone, not just the perimeter. Buttered Stratford Stone should be firmly worked onto the scratch coat and slide slightly back and forth or with a slight rotating motion to set the Stratford Stone. With the proper mortar mix, moisture content, and scratch coat preparation, the installer will feel the mortar start to grab within a few seconds of the setting movement process. At this point, no further movement of the Stratford Stone should be made as bonding will be broken. If the Stratford Stone is inadvertently moved after initial set has begun, it should be removed, mortar scraped off the back of the Stratford Stone and scratch coat, and then reinstalled following the application process.

Grouting the joints should be completed only after there is a grout bag, filling joints to the desired depth, ensuring that mortar is forced into all voids. Grout should be "thumbprint hard" before raking the joints. This curing time before the grout is ready will vary significantly with temperature and humidity. Use a wooden raking stick or pointed tool to rake the joints to the desired depth.

Extra precaution should be taken while raking so the surface of the Stratford Stone is not damaged. Clean off remaining grout debris on the Stratford Stone surface with a dry, soft-bristled brush.

To prevent mortar smearing, DO NOT use a wet brush to treat uncured mortar joints.





## Tight Fitted Adhered Concrete Masonry Veneer Application

The back of the Stratford Stone and the scratch coat should be moistened with the surfaces appearing damp but free of standing water.

Tight fitted Stratford Stone should be applied from the corners toward the middle of a wall, and from the bottom toward the top of the wall.

## Cold Weather Application

Stratford Stone applications should be protected from temperatures below 40 degrees F (4 degrees C). The use of anti-freeze admixtures to lower the freezing point of the mortar is not recommended. Accelerating admixtures shall comply with C1384; accelerating admixtures containing calcium chloride are not recommended. Stratford Stone pieces containing visible frozen moisture shall not be installed. The installation area should be sheltered and heated to keep the temperature above 40 degrees F (4 degrees C).

## Hot Weather Application

If the environmental conditions during installation exceed 90 degrees F (32 degrees C) additional water may be needed on the scratch coated surface and the backs of the Stratford Stone being applied. Providing shade and/or frequent misting of the wall may be required. Consult with OBERFIELDS to determine if mortar mix hot weather mix options are available. Local building code hot weather methods should be followed.

## Cleaning the Adhered Concrete Masonry Veneer

Refer to OBERFIELDS recommendations on cleaning and maintenance. Do not use hard chemicals, such as acid, for cleaning, or use abrasive tools such as wire brushes or power washers.

## Sealing Adhered Concrete Masonry Veneer

Refer to OBERFIELDS for recommendations regarding the use of sealants or topically applied water or graffiti-resistant coatings.

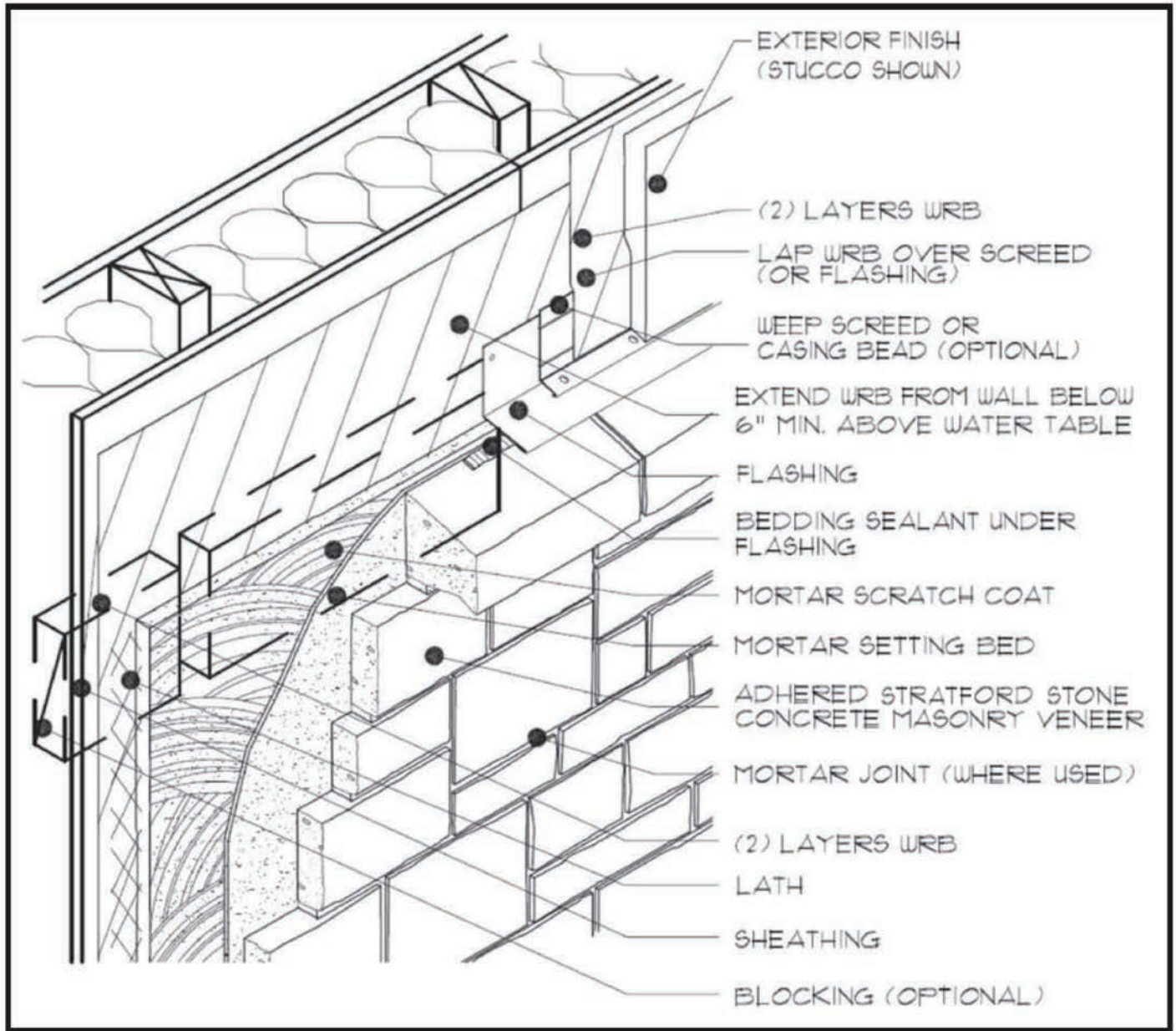
## Cautions

The following precautions should be taken to ensure a successful and durable Stratford Stone installation.

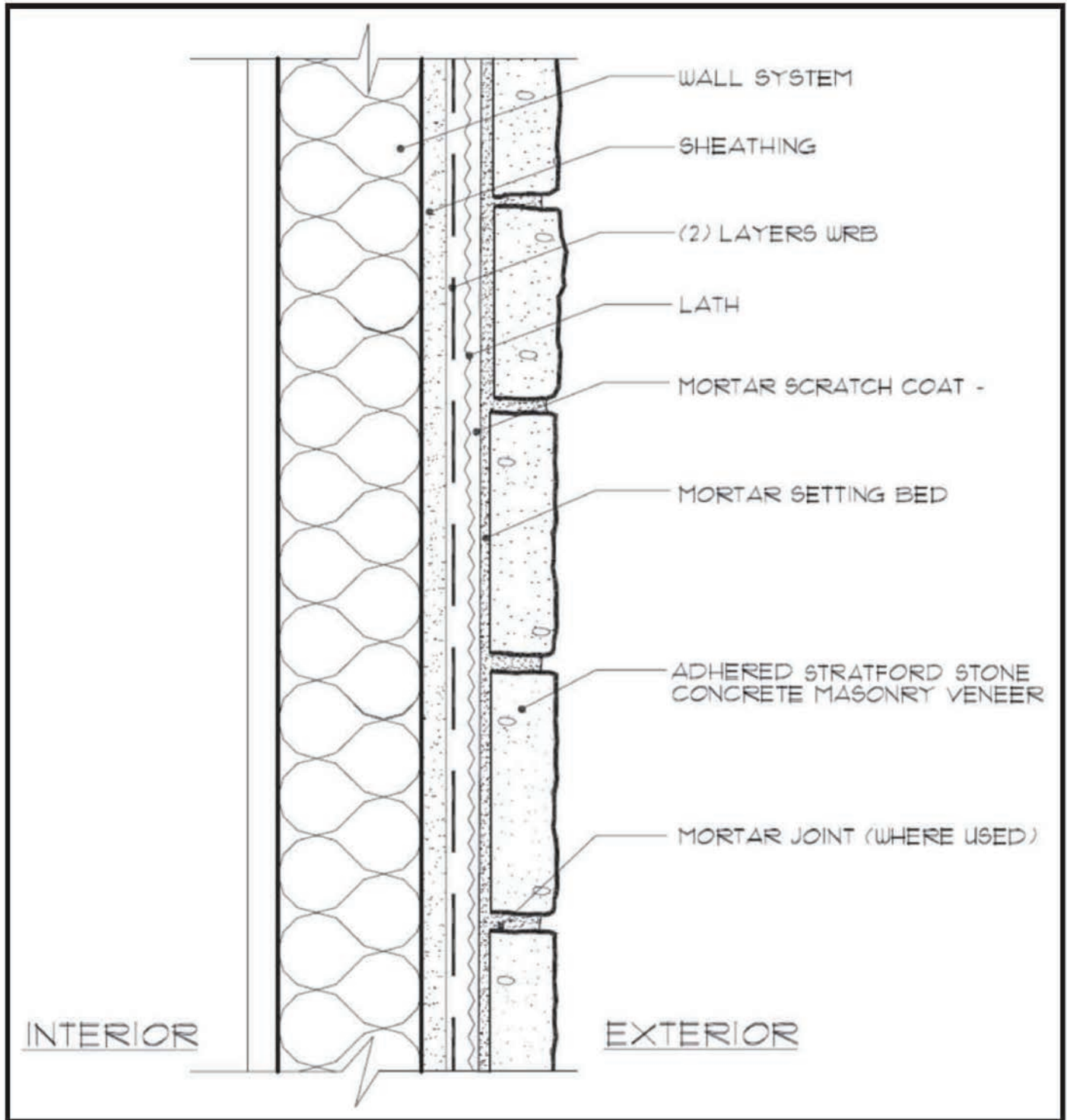
- Do not subject Stratford Stone to direct or frequent water contact. For example, avoid allowing sprinklers to directly spray onto the surface. Also, downspouts or drainage pipes should be placed so that water is not frequently moistening the Stratford Stone units.
- Do not subject Stratford Stone to contact with de-icing materials, salt, or other harsh chemicals. Prolonged exposure to these conditions may discolor the Stratford Stone or result in surface damage.



# Fig. 1 - Wall Assembly



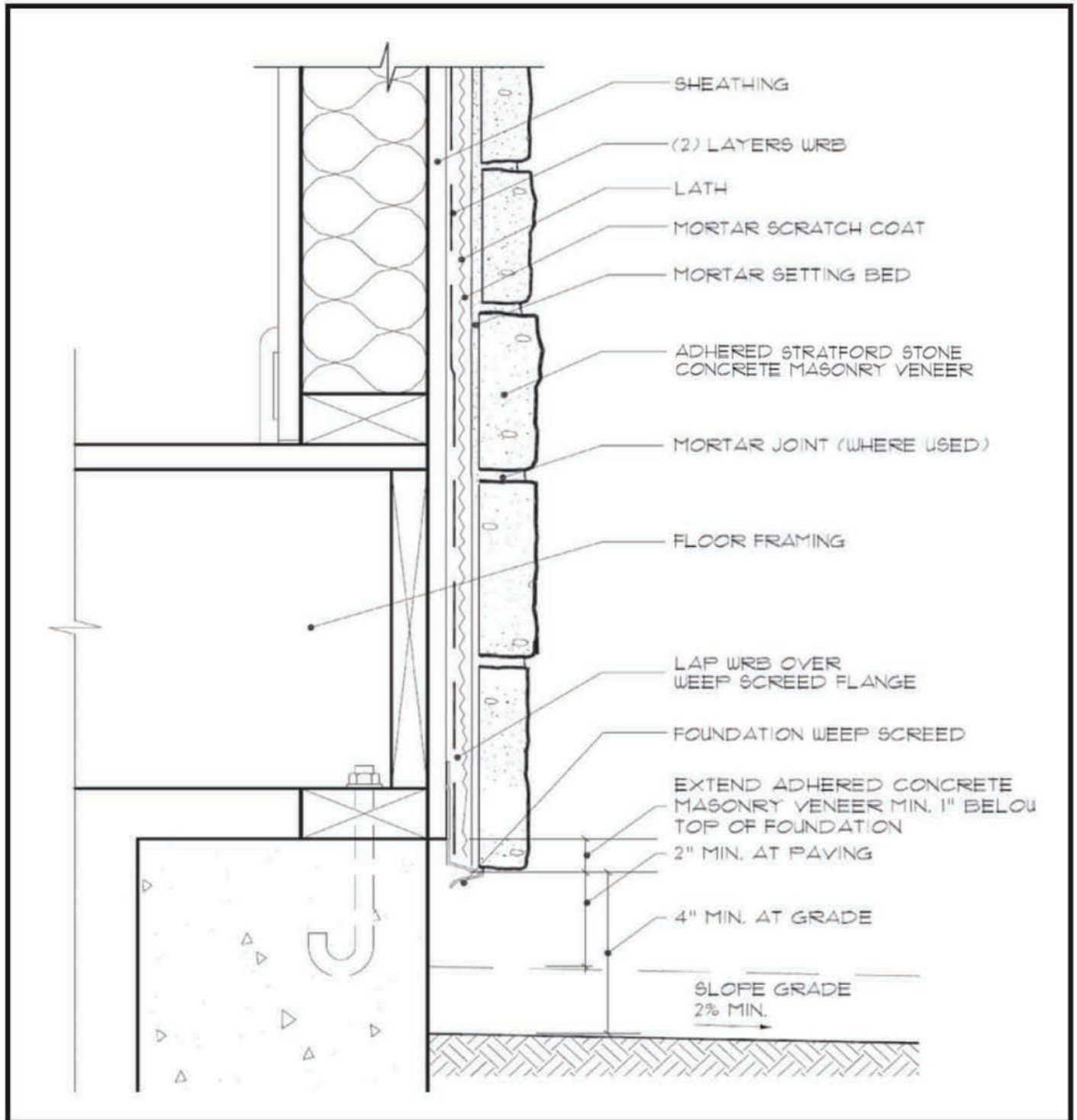
# Fig. 2 - Typical Wall Section



**Note layering of sheathing, water resistive barrier, lath, scratch coat, and adhered concrete masonry veneer.**



# Fig. 3 - Foundation Wall Base



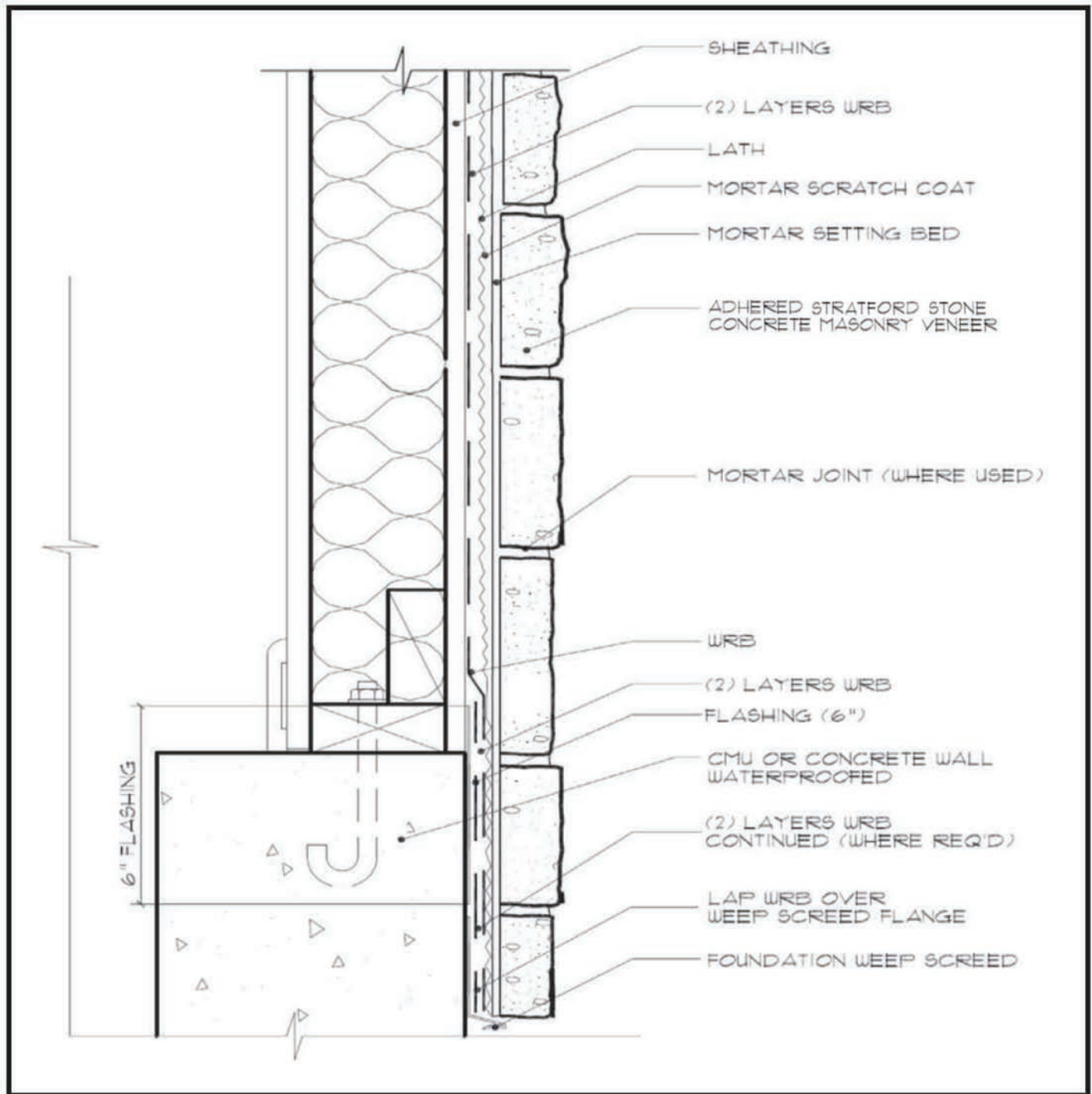
**A minimum 4" gap is required at the base of the stud wall to grade and a minimum 2" gap is required at base of the stud wall to a paved surface.**



# Fig. 4 - Foundation Wall Base



## ACMV Overlapping Foundation

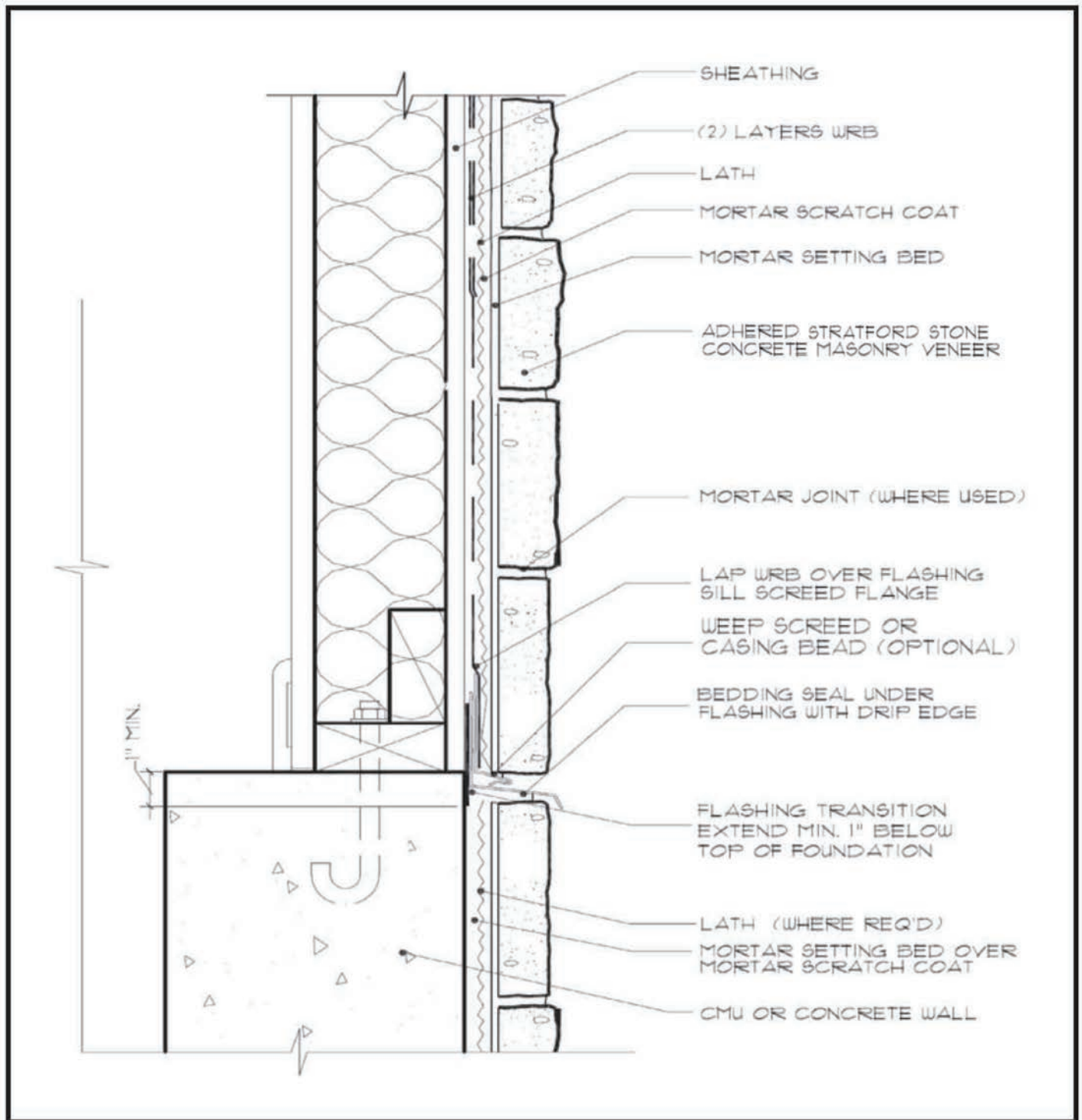


**ACMV may overlap foundation wall with careful installation of flashing and WRB. This installation may continue down foundation wall to grade clearance.**

# Fig. 5 - Foundation Wall

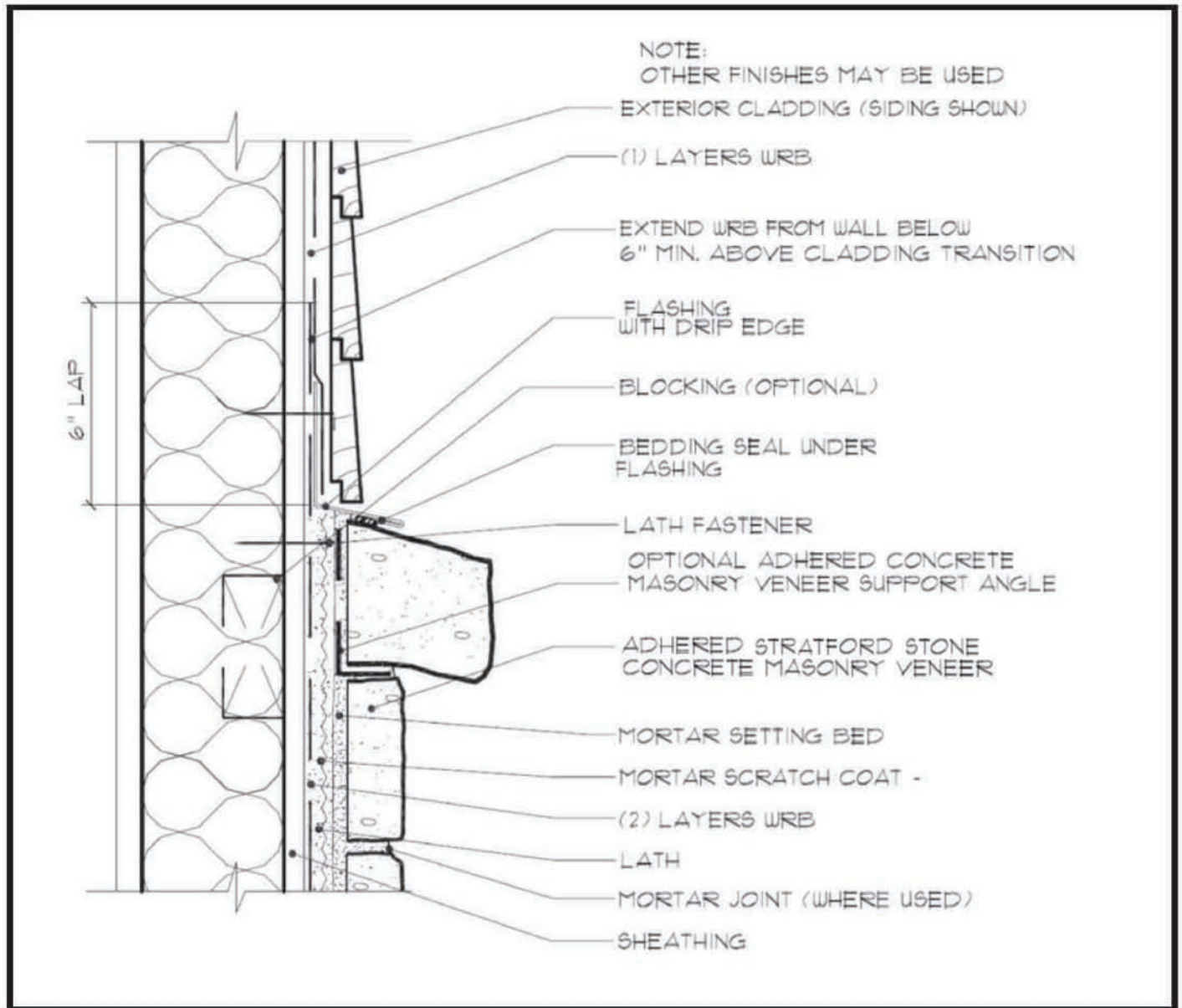


## Transition to ACMV Continuing Down Foundation



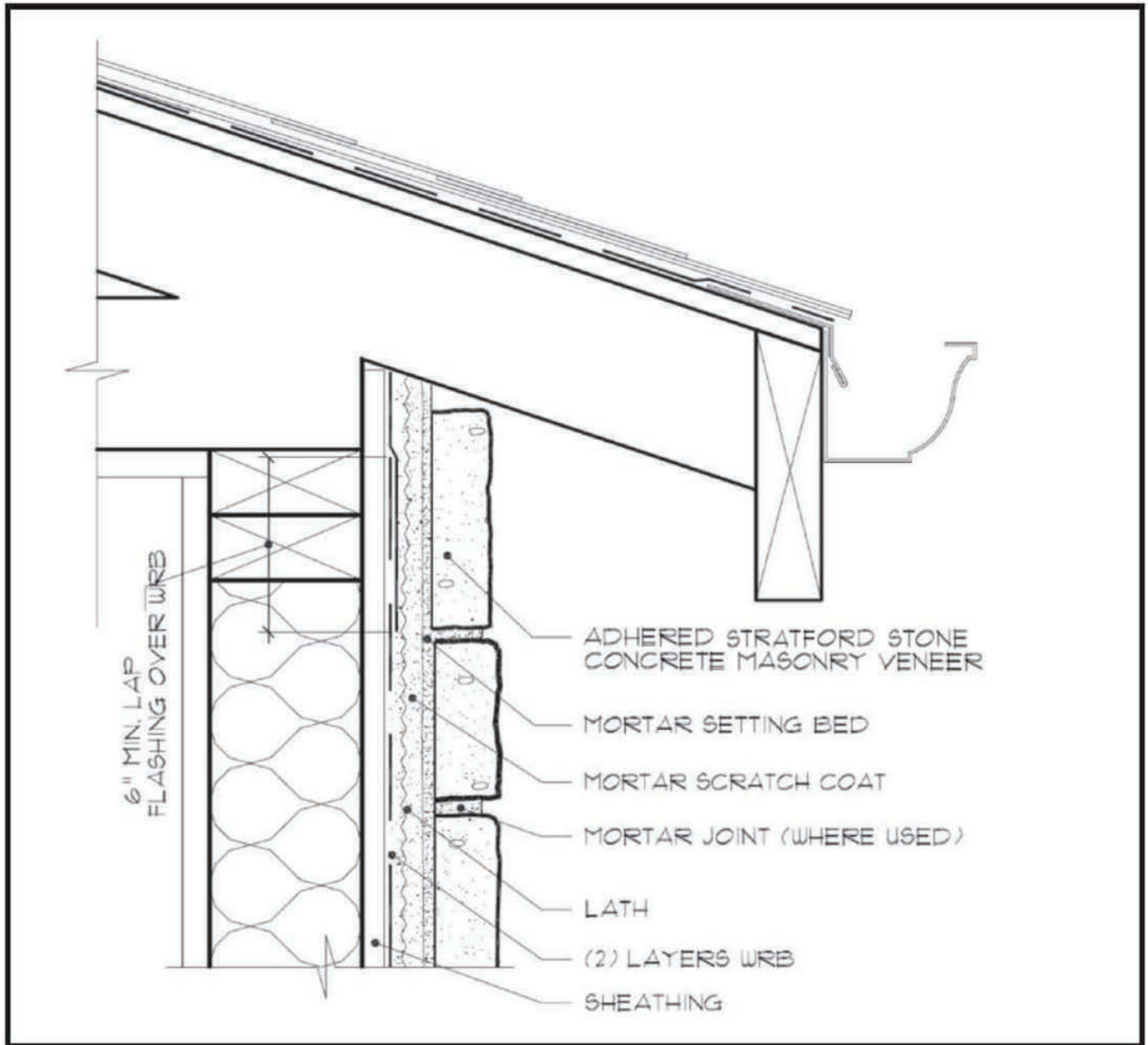
**ACMV may continue down the foundation with the incorporation of a flashing transition with careful installation of WRB and flashing.**

# Fig. 6 - Cladding Transition



**Flashing should be installed prior to the adhered concrete masonry. Water resistive barrier laps over the vertical leg of flashing for positive drainage. Optional support angle shown. Verify installation requirements with adhered concrete masonry veneer manufacturer.**

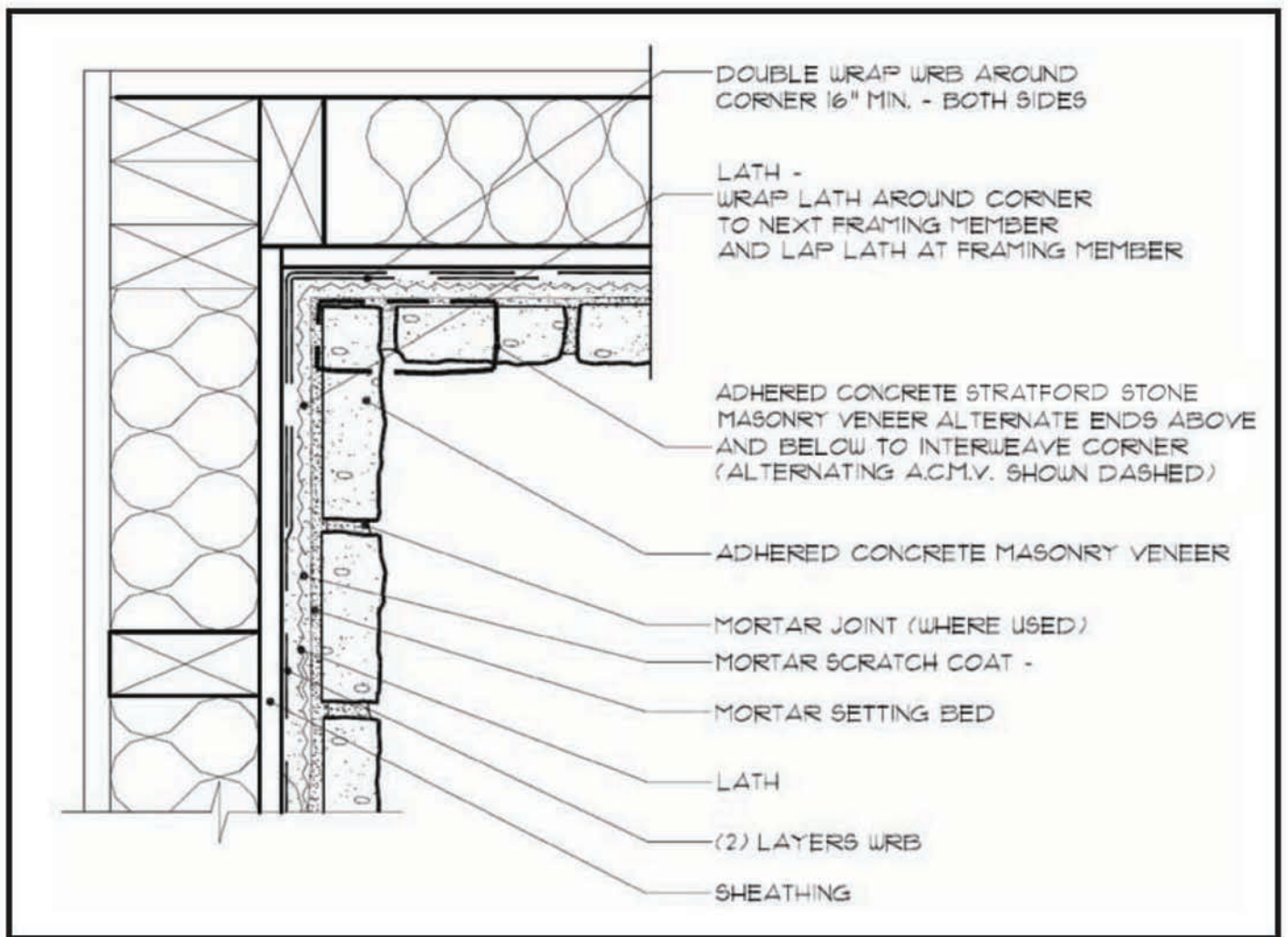
# Fig. 7 - Outside Corner



**Water resistive barrier should be in place prior to soffit installation followed by adhered concrete masonry veneer.**

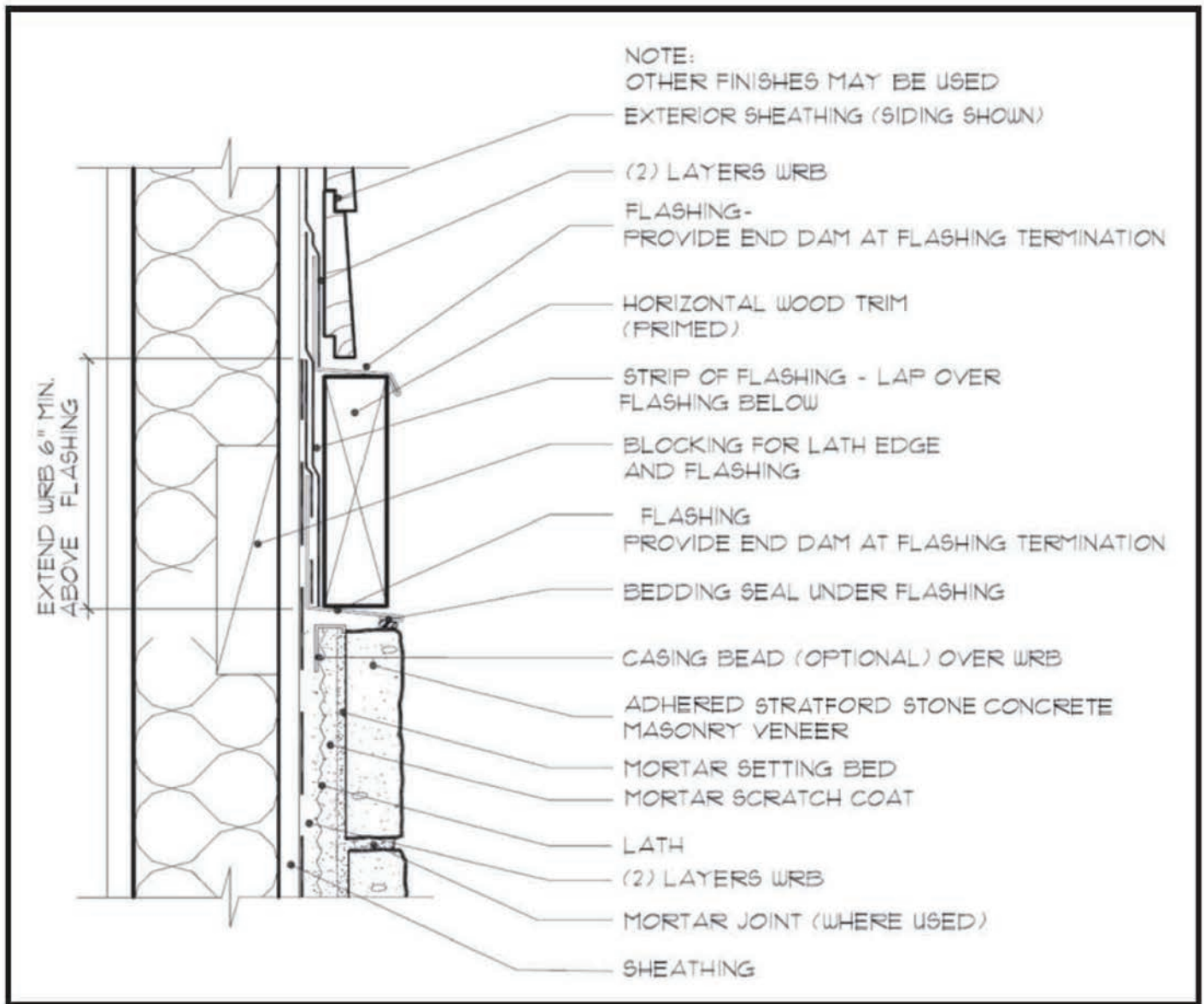


# Fig. 8 - Inside Corner



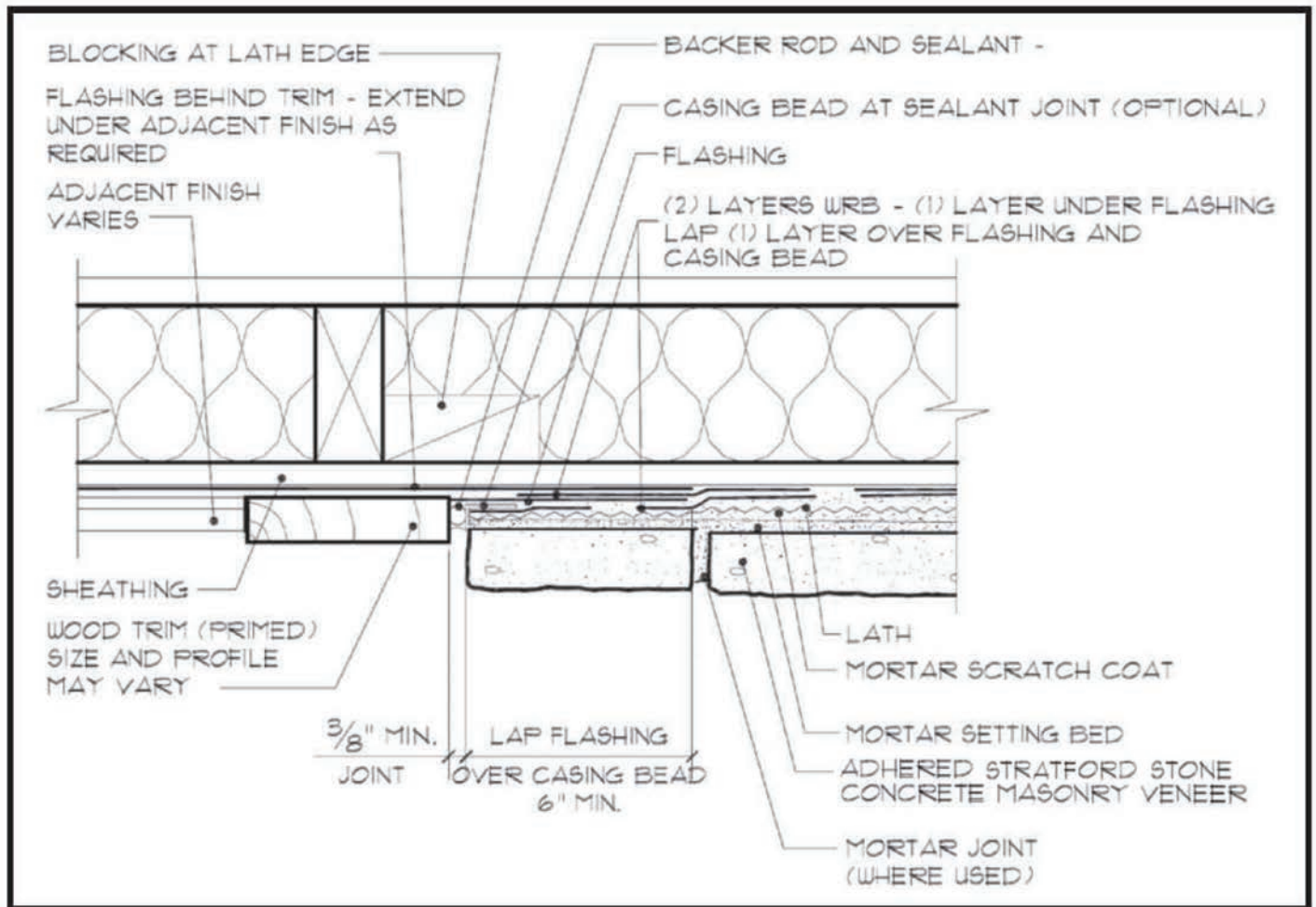
**Randomly alternate ends above and below to interweave the corner. Double wrap water resistive barrier around both sides of the corner. Lap lath to the framing at least 16 inches to the next framing member.**

# Fig. 9 - Horizontal Transition



**Note flashing is lapped shingle-fashion with corrosion resistant sheet metal. A bedding seal is used under the corrosion resistant sheet metal next to the adhered concrete masonry veneer.**

# Fig. 10 - Vertical Transition

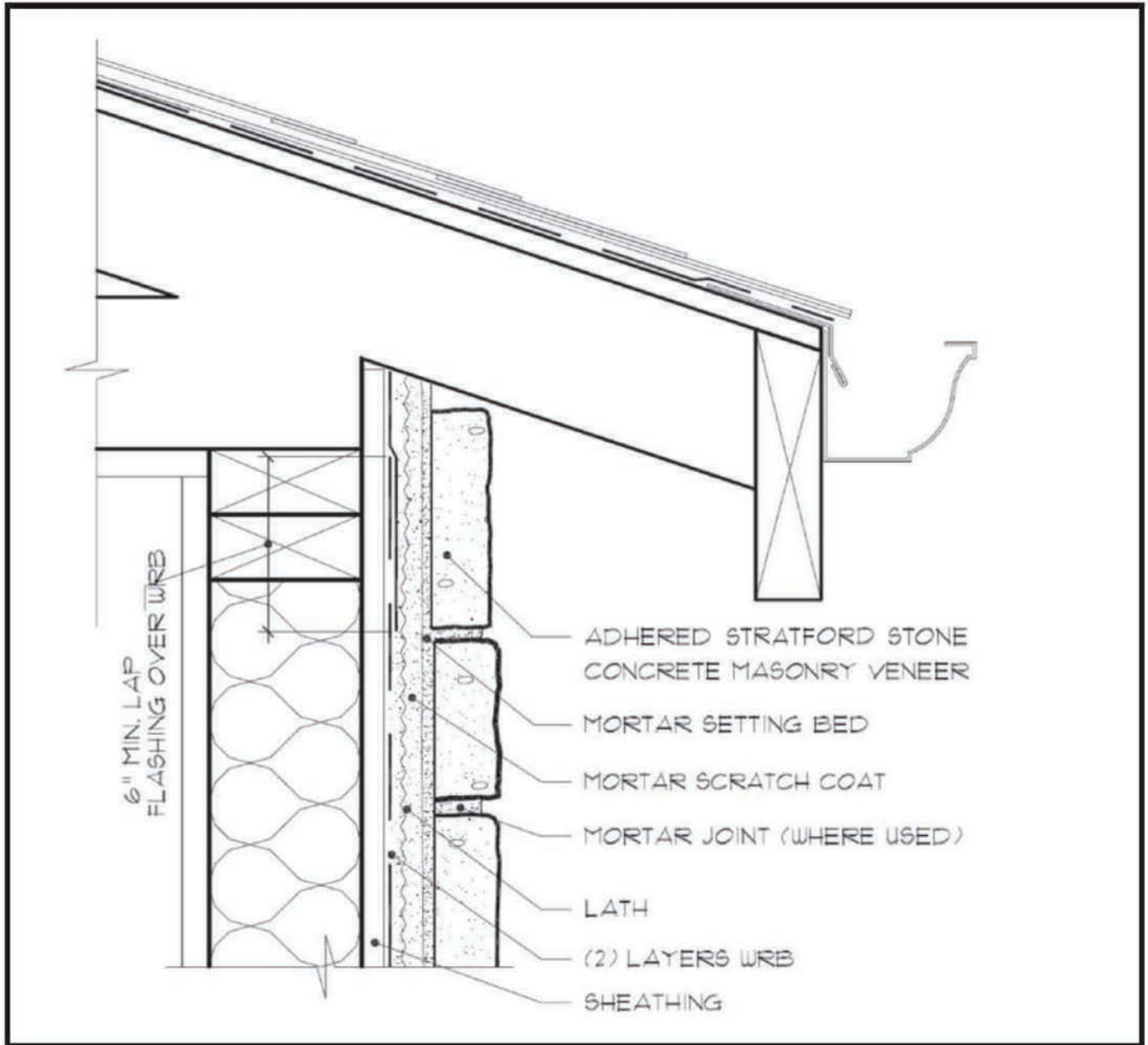


**Flashing extends under the adjacent finishes. A 3/8" minimum gap should be used between finishes.**

# Fig. 11 - Open Eave



## Overhang



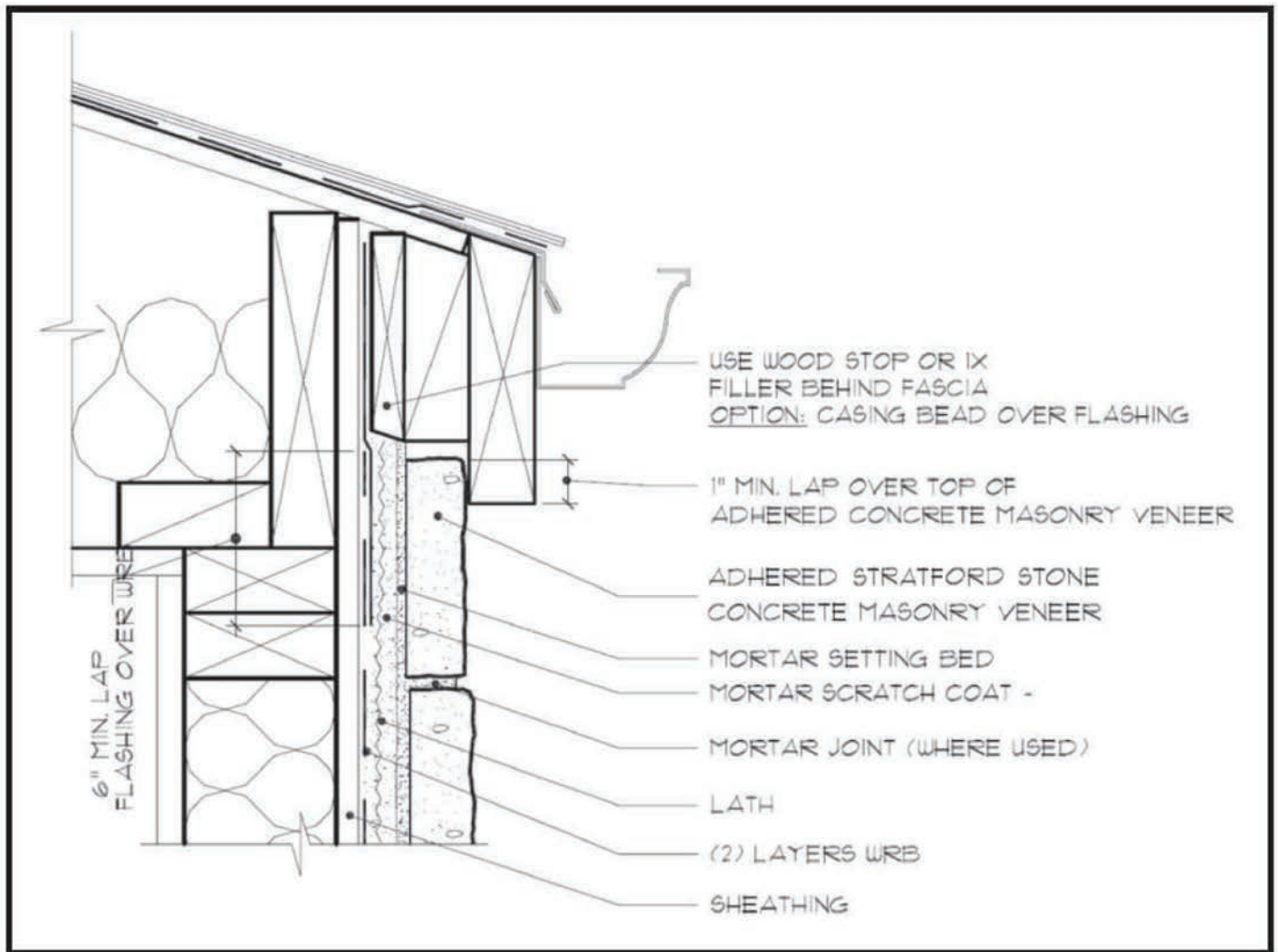
**Water resistive barrier should be in place prior to soffit installation followed by adhered concrete masonry veneer.**



# Fig. 12 - Open Eave



Flush

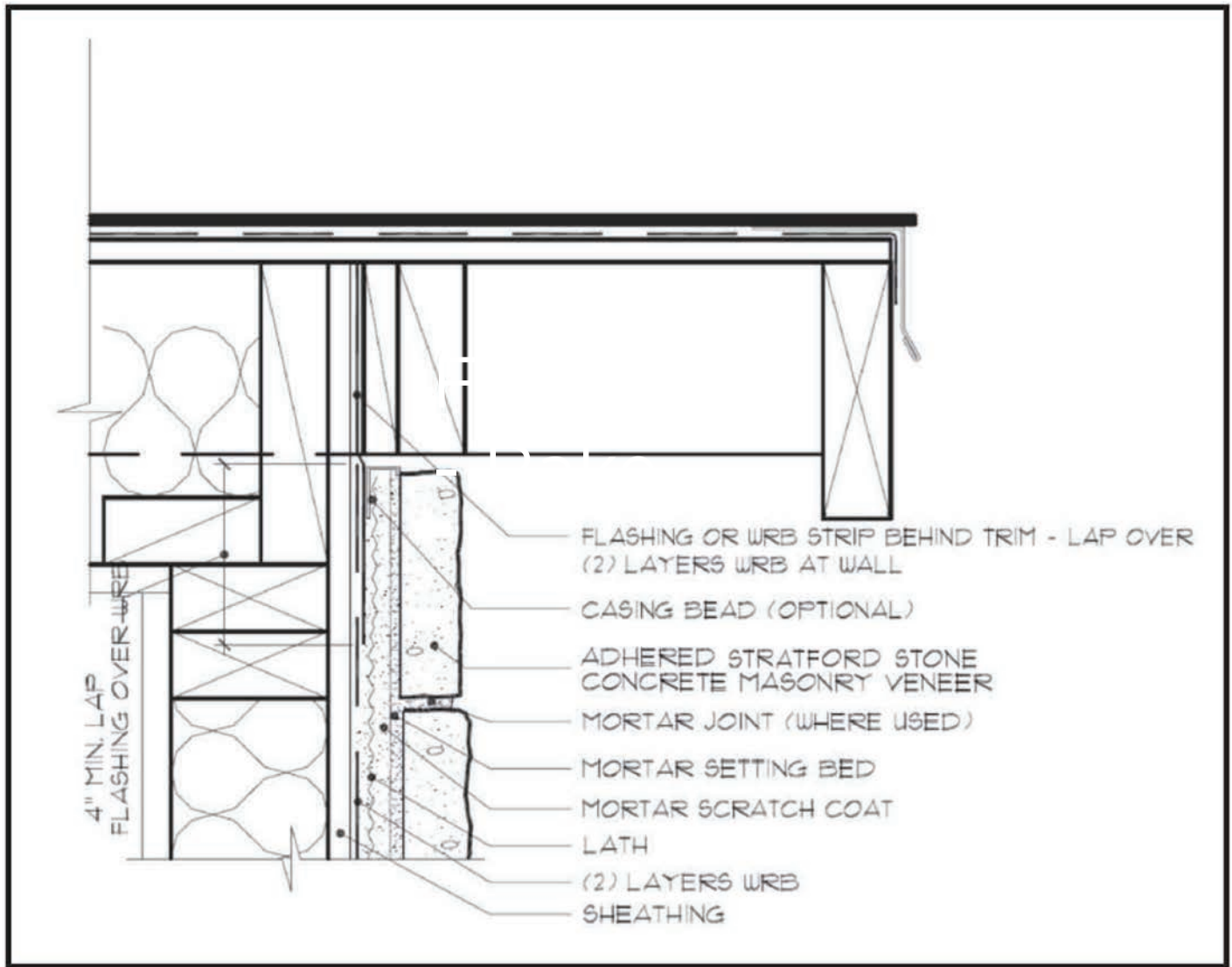


**Water resistive barrier should be in place prior to soffit installation followed by adhered concrete masonry veneer**

# Fig. 13 - Rake



## Overhang

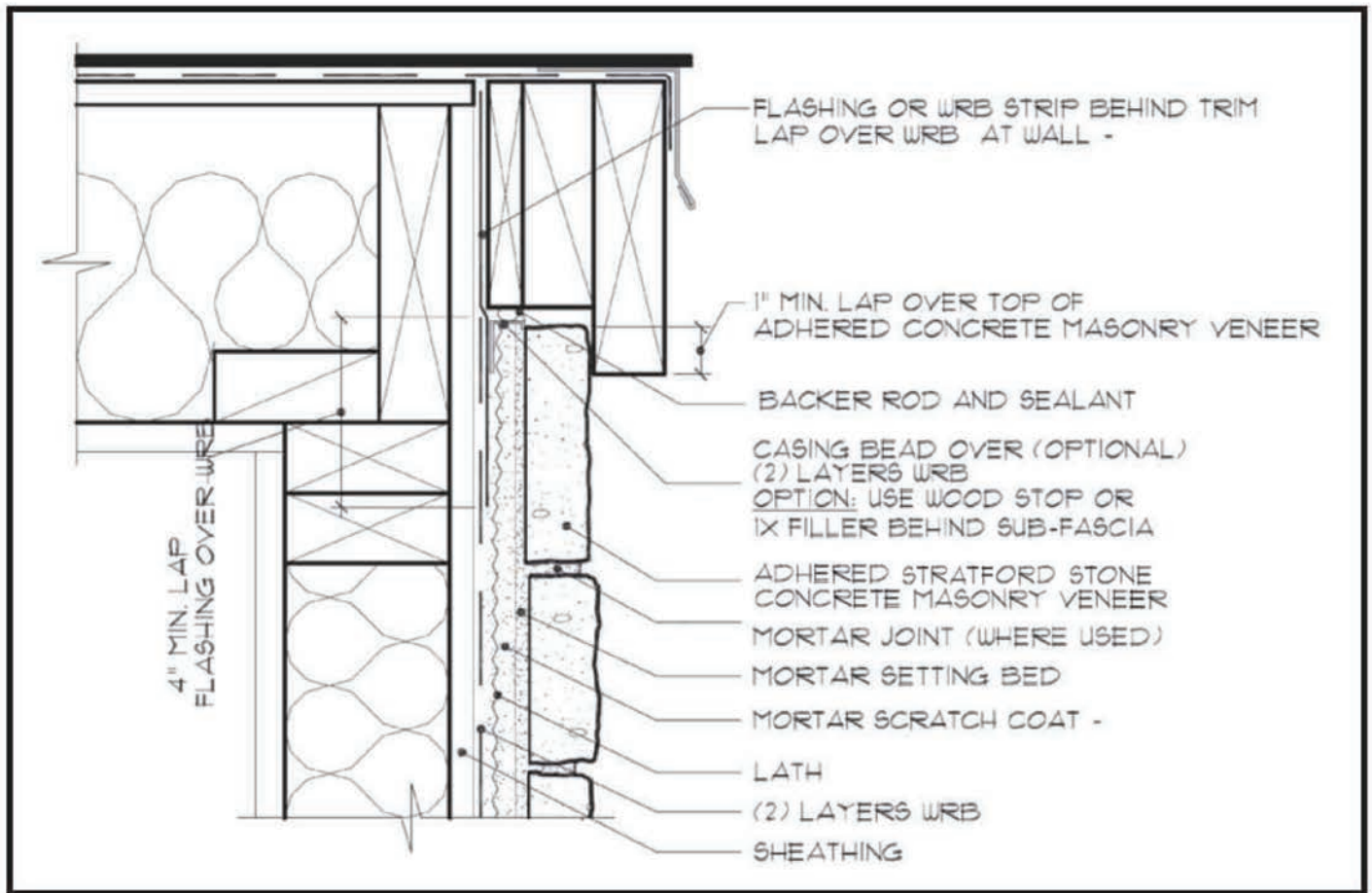


**The intent of these details is to limit exposure to wind driven rain.**

# Fig. 14 - Rake



Flush

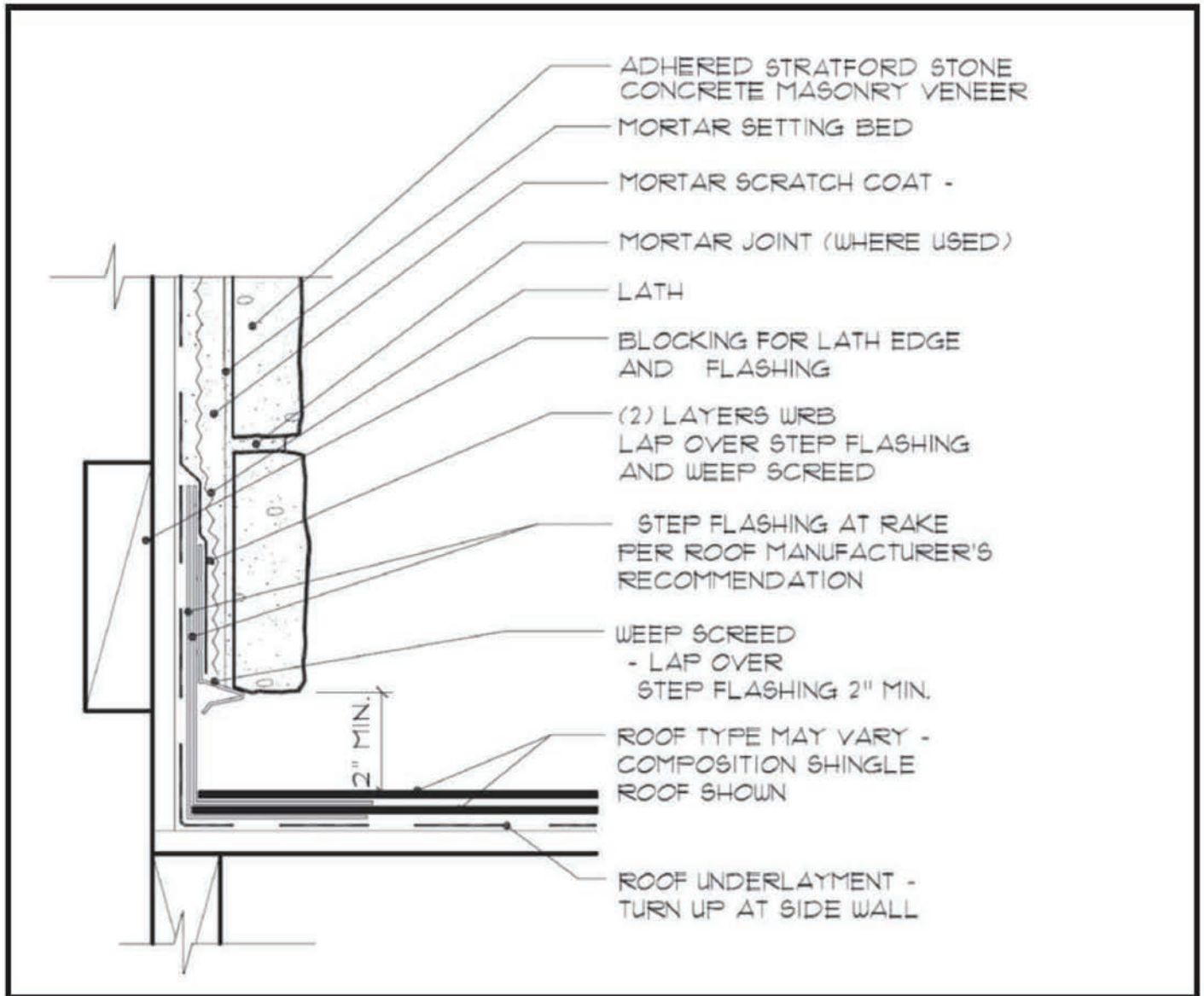


**Note the use of backer rod and sealant.**

# Fig. 15 - Side Wall



## Composition Shingles



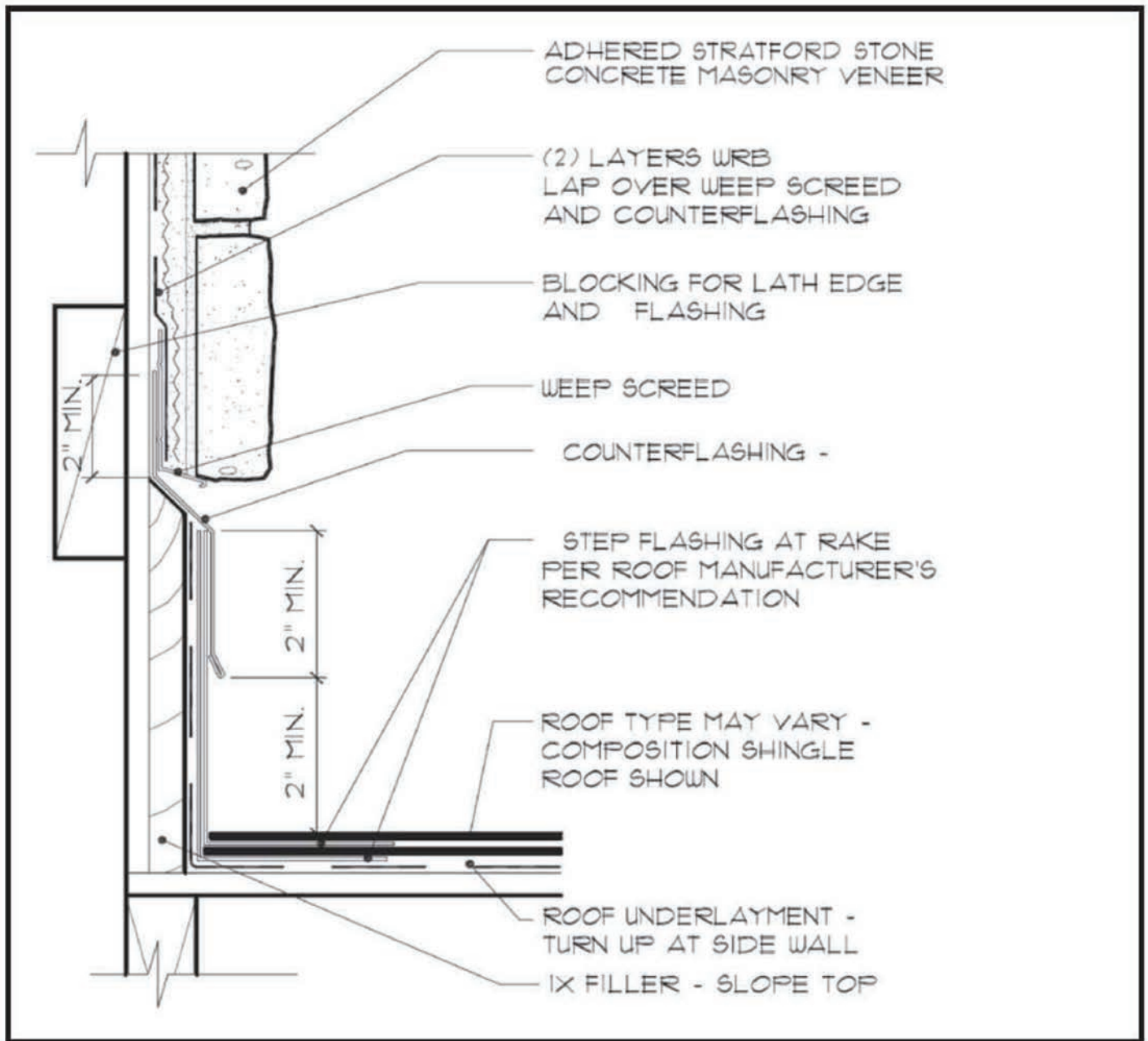
**Water resistive barrier laps over step flashing and weep screed.**



# Fig. 16 - Side Wall

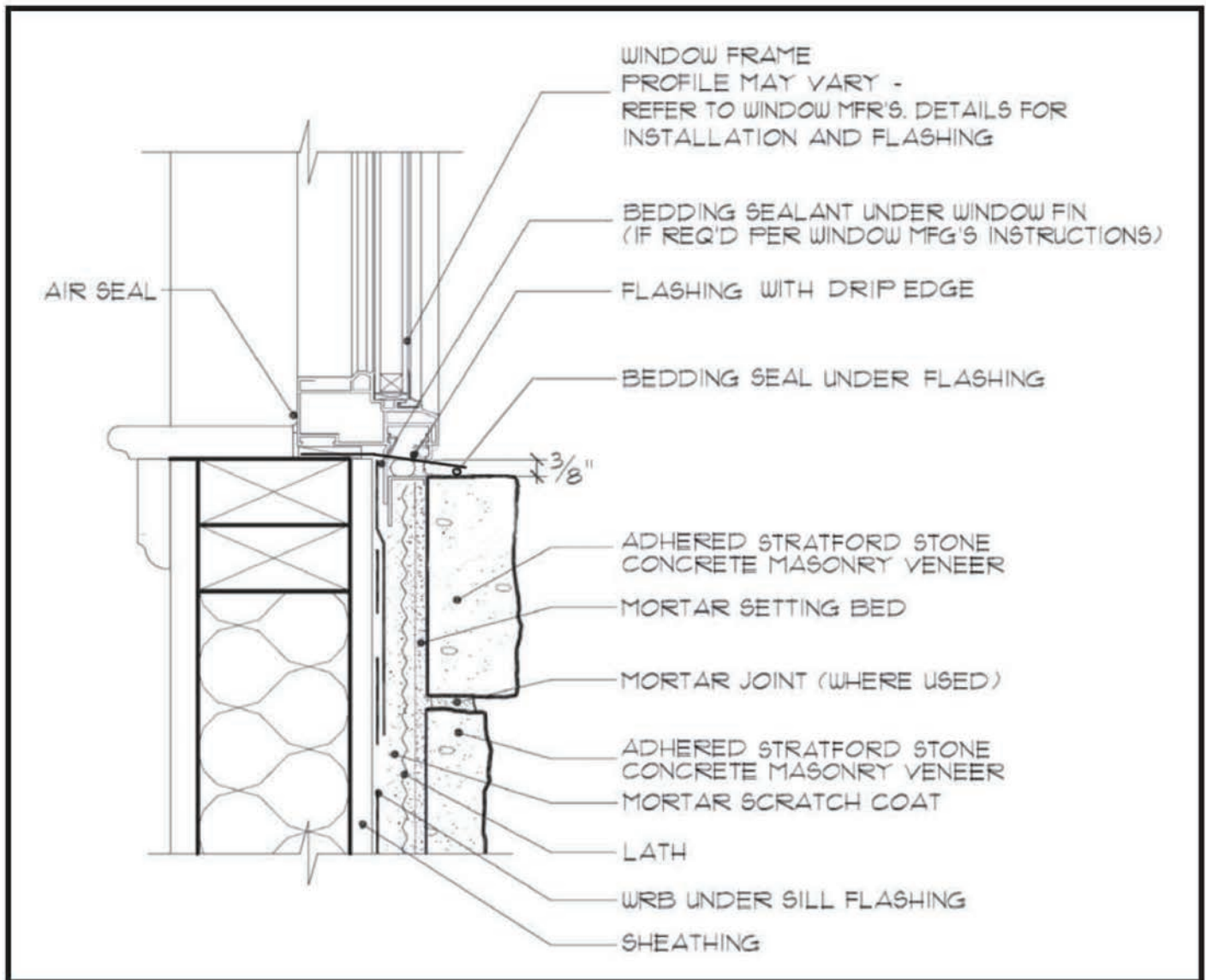


## Composition Shingles Curbing



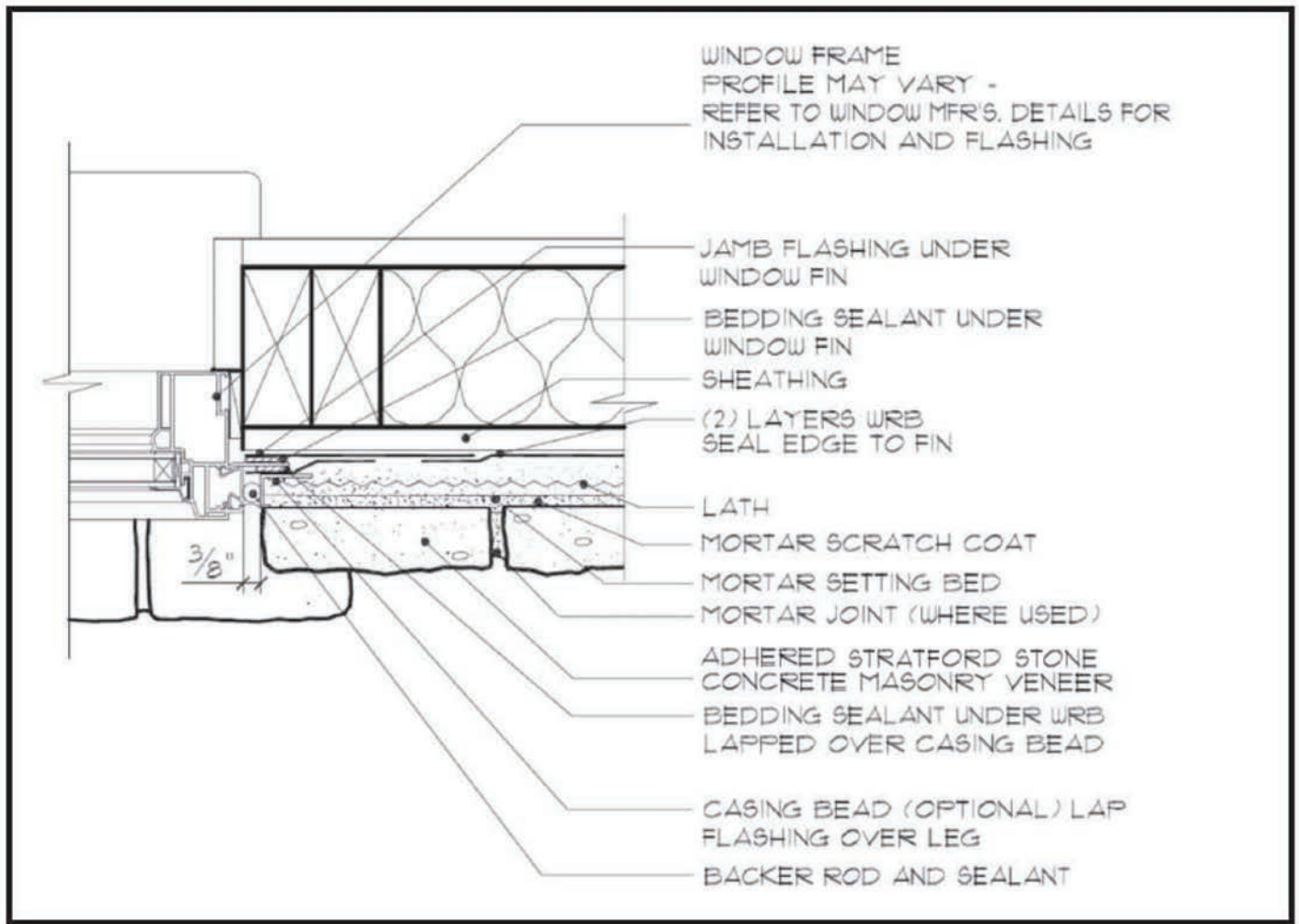
**This detail includes base trim. Note the counterflashing between trim and adhered concrete masonry veneer.**

# Fig. 17 - Window Sill



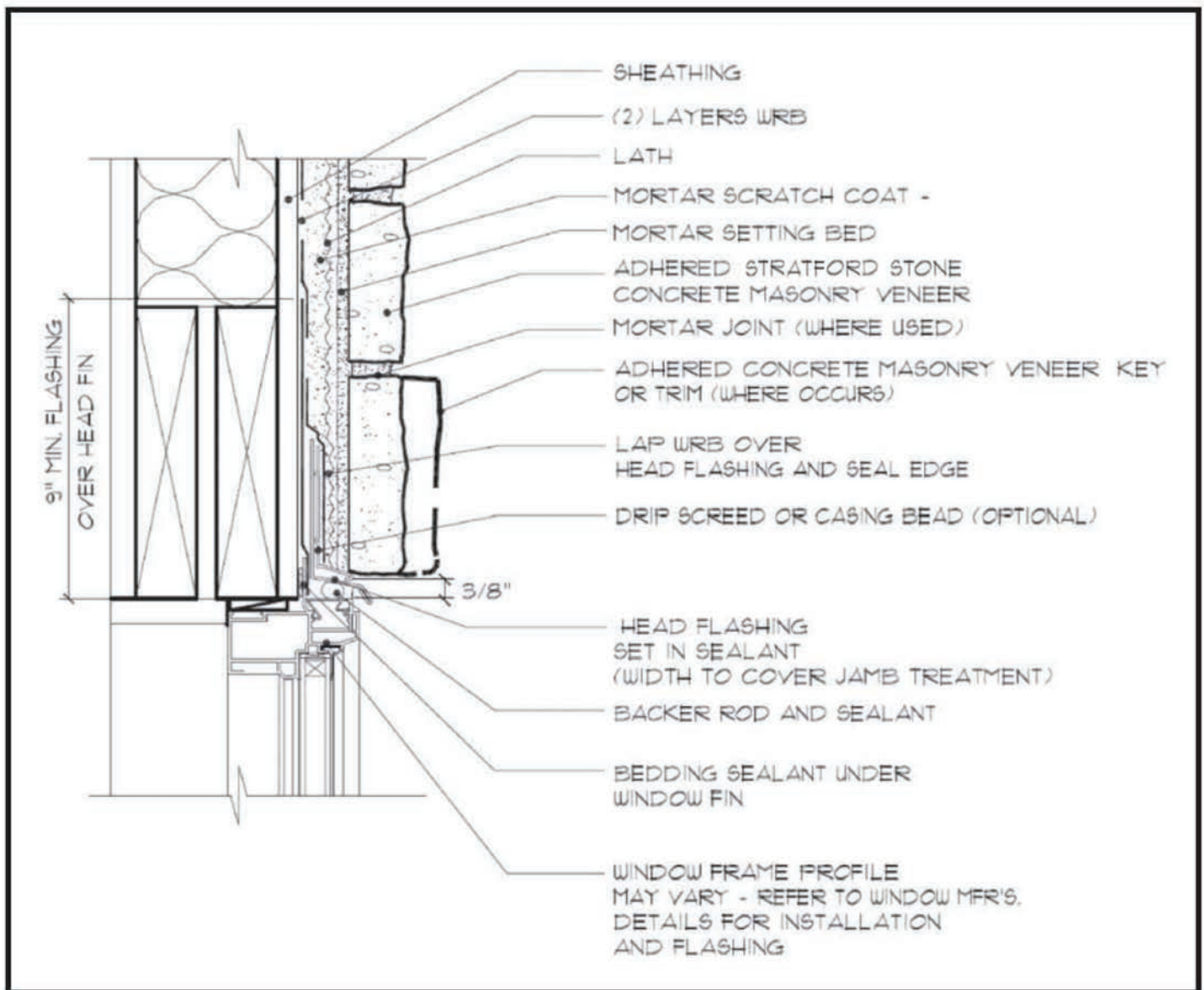
**Rough openings must be properly flashed prior to window installation. Tuck water resistive barrier under flashing at sill. Sill flashing should drain to the exterior of the primary WRB or to exterior of adhered concrete masonry veneer.**

# Fig. 18 - Window Jamb



**Rough openings must be properly flashed prior to window installation. Backer rod and sealant between the window frame and the adhered concrete masonry veneer allows for movement between the dissimilar materials.**

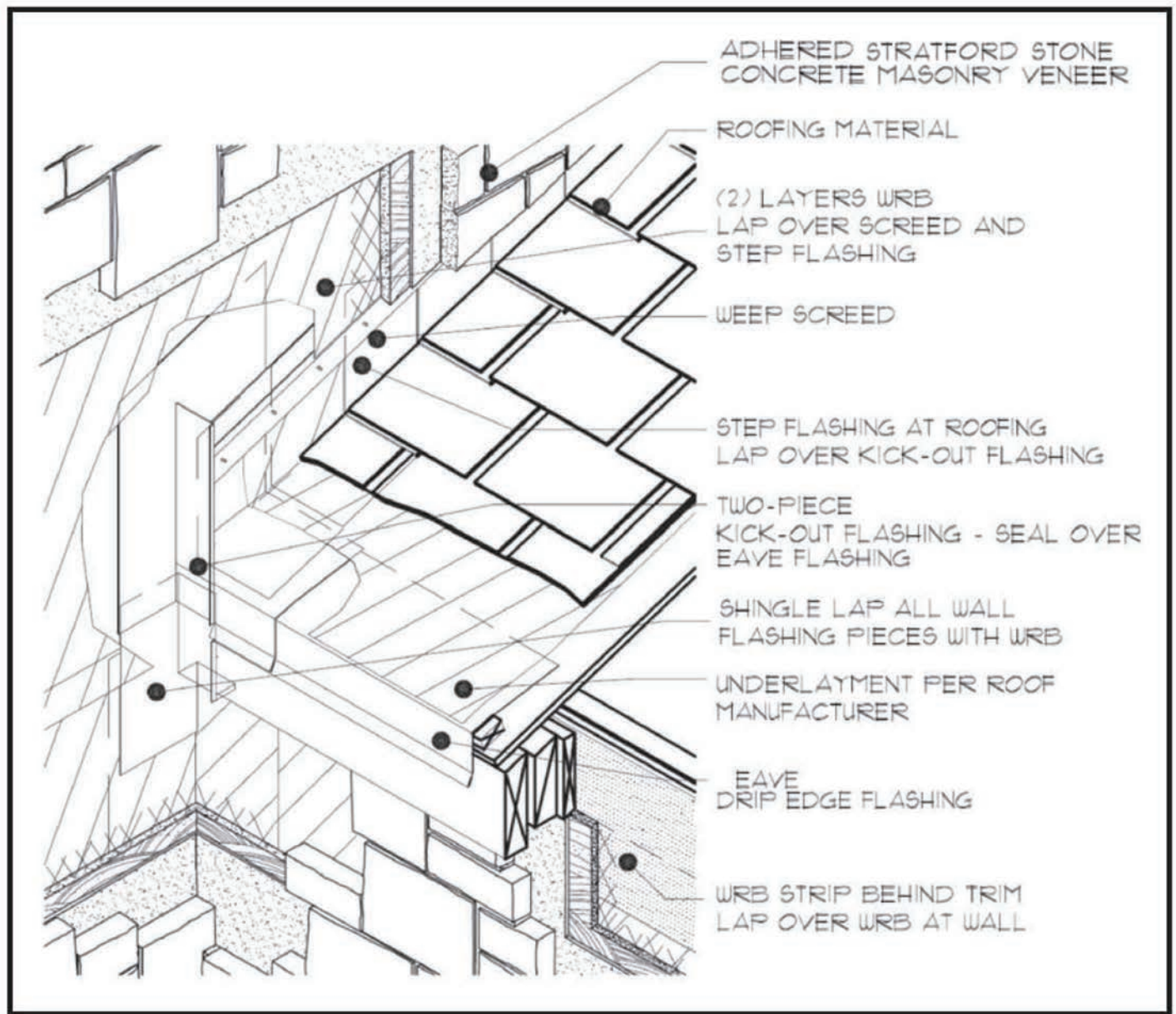
# Fig. 19 - Window Head



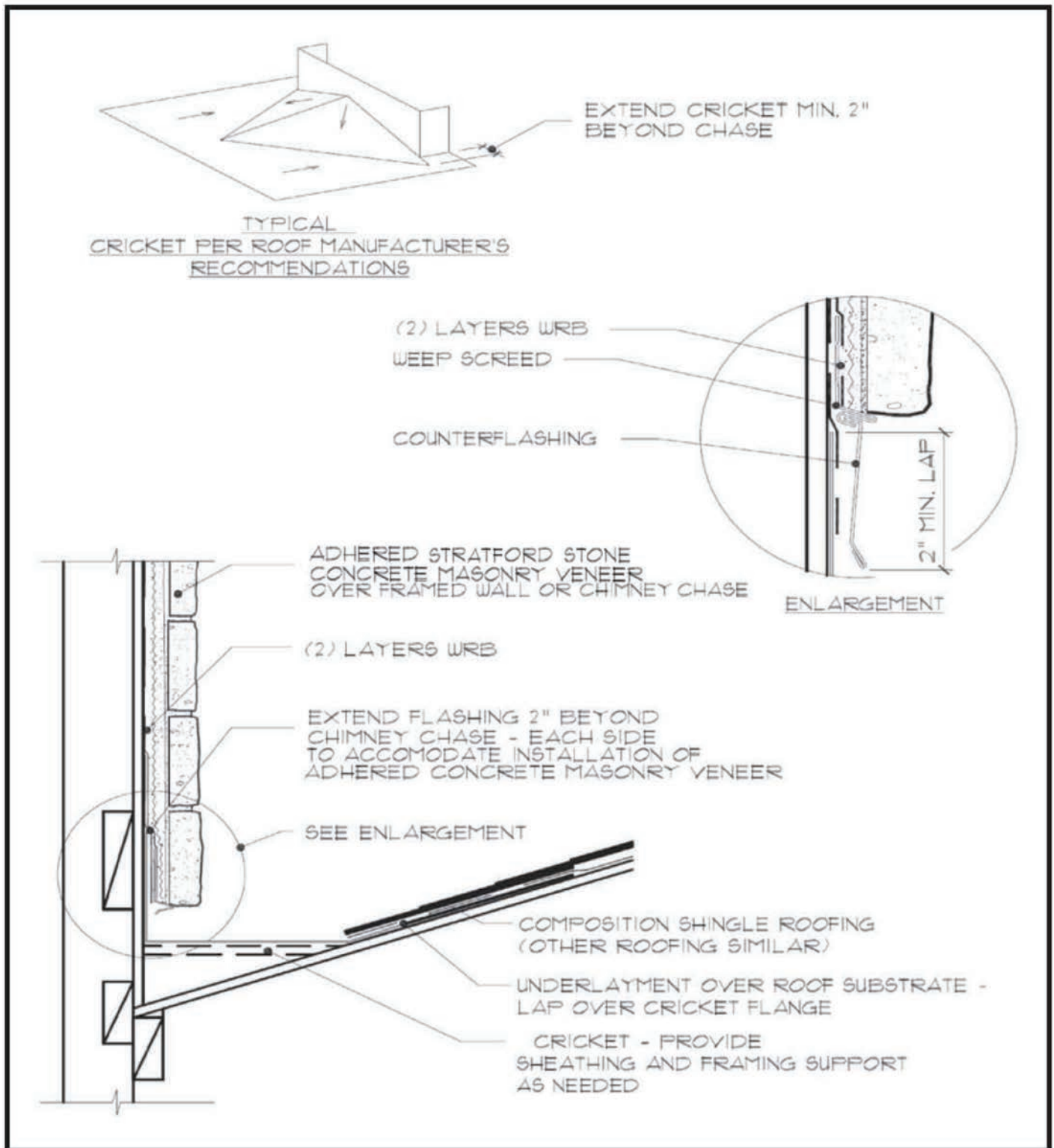
**Flashing and WRB installed shingle fashion may be complimented with self-adhered flashing to seal WRB to window frame.**



# Fig. 20 - Kick-Out Flashing

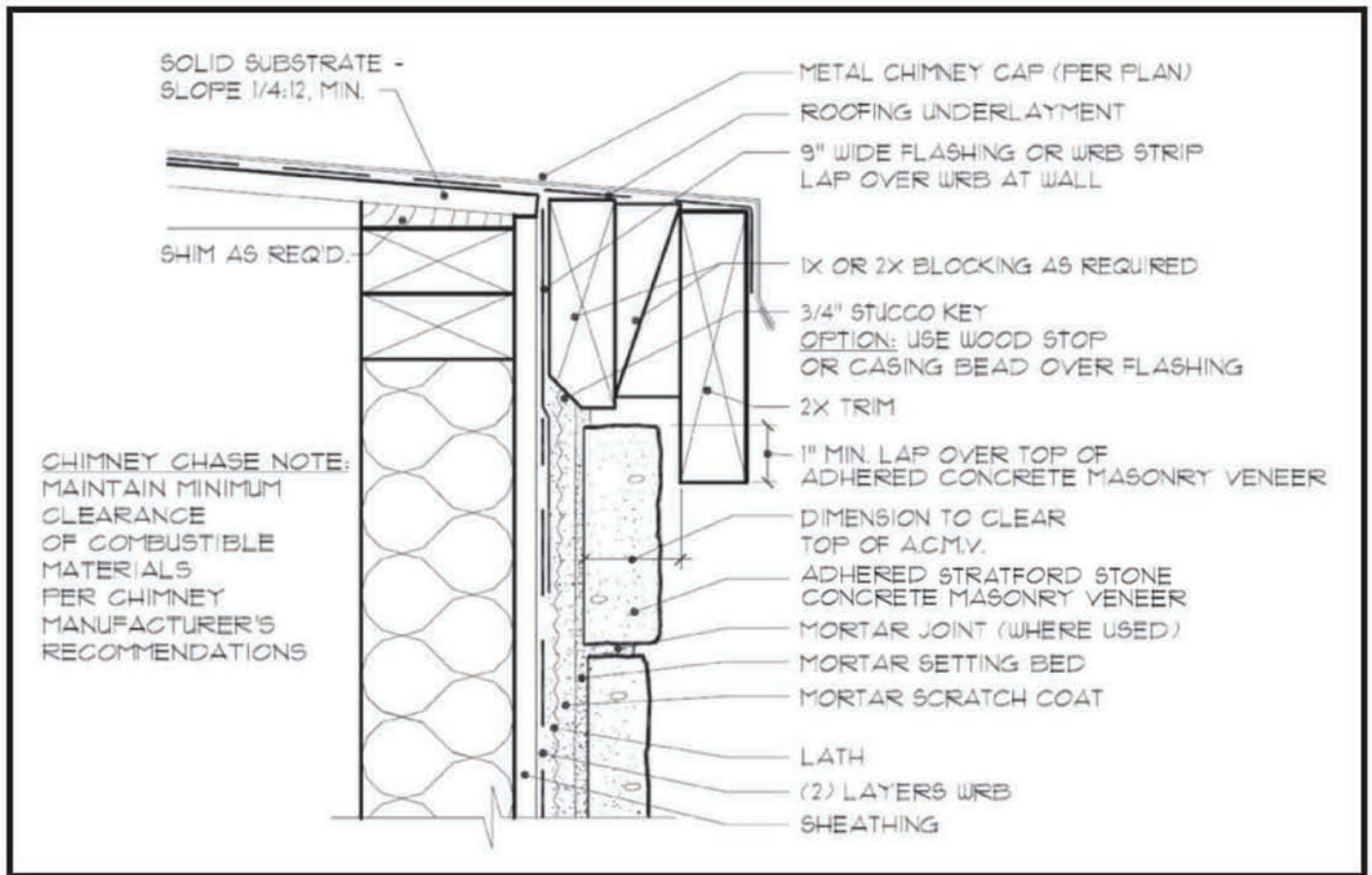


**Kickout flashing should be sized properly to accommodate thickness of ACMV.**

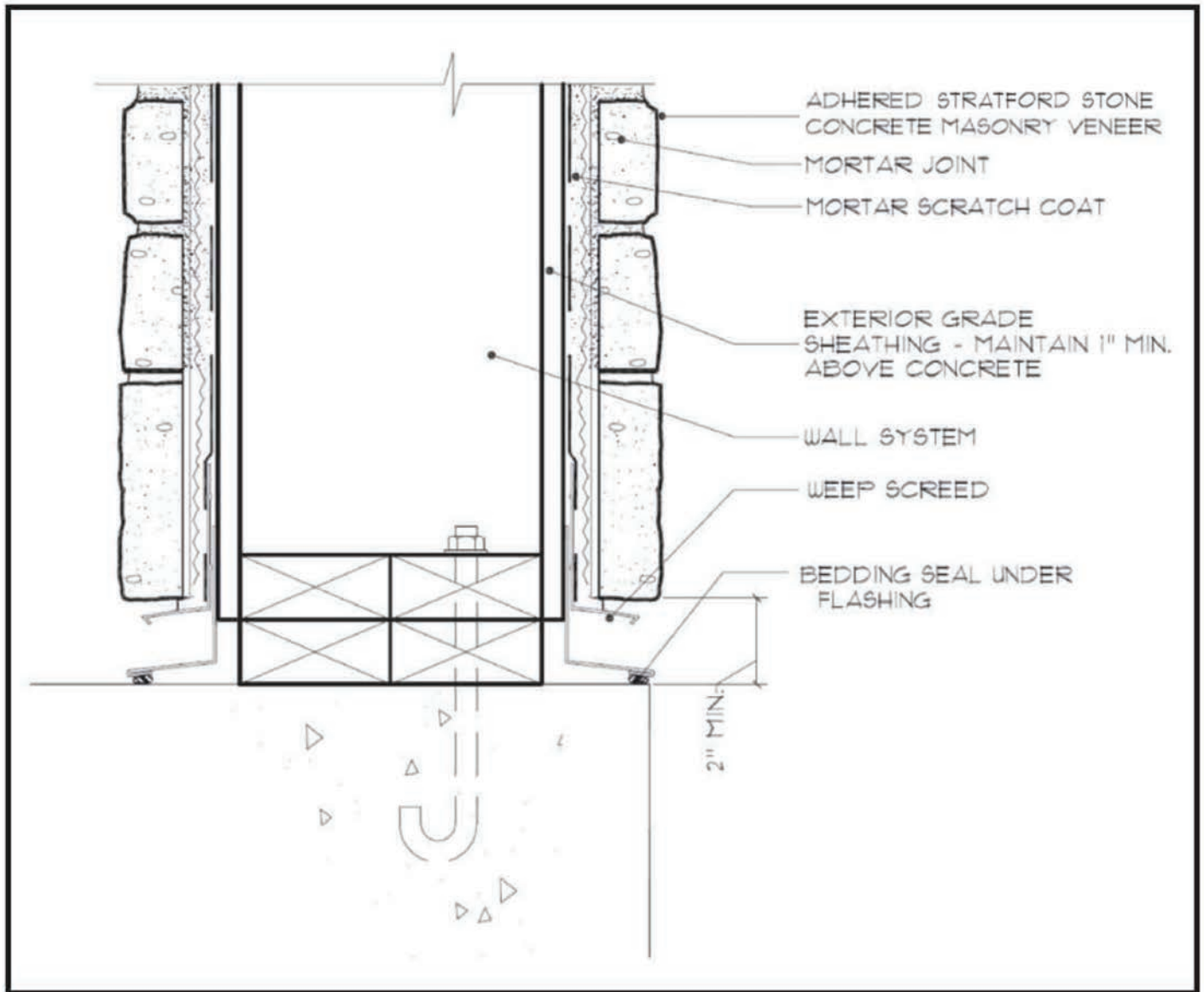


**A cricket up-slope of a roof penetration, such as a chimney, helps direct water around the penetration.**

# Fig. 22 - Chimney Chase



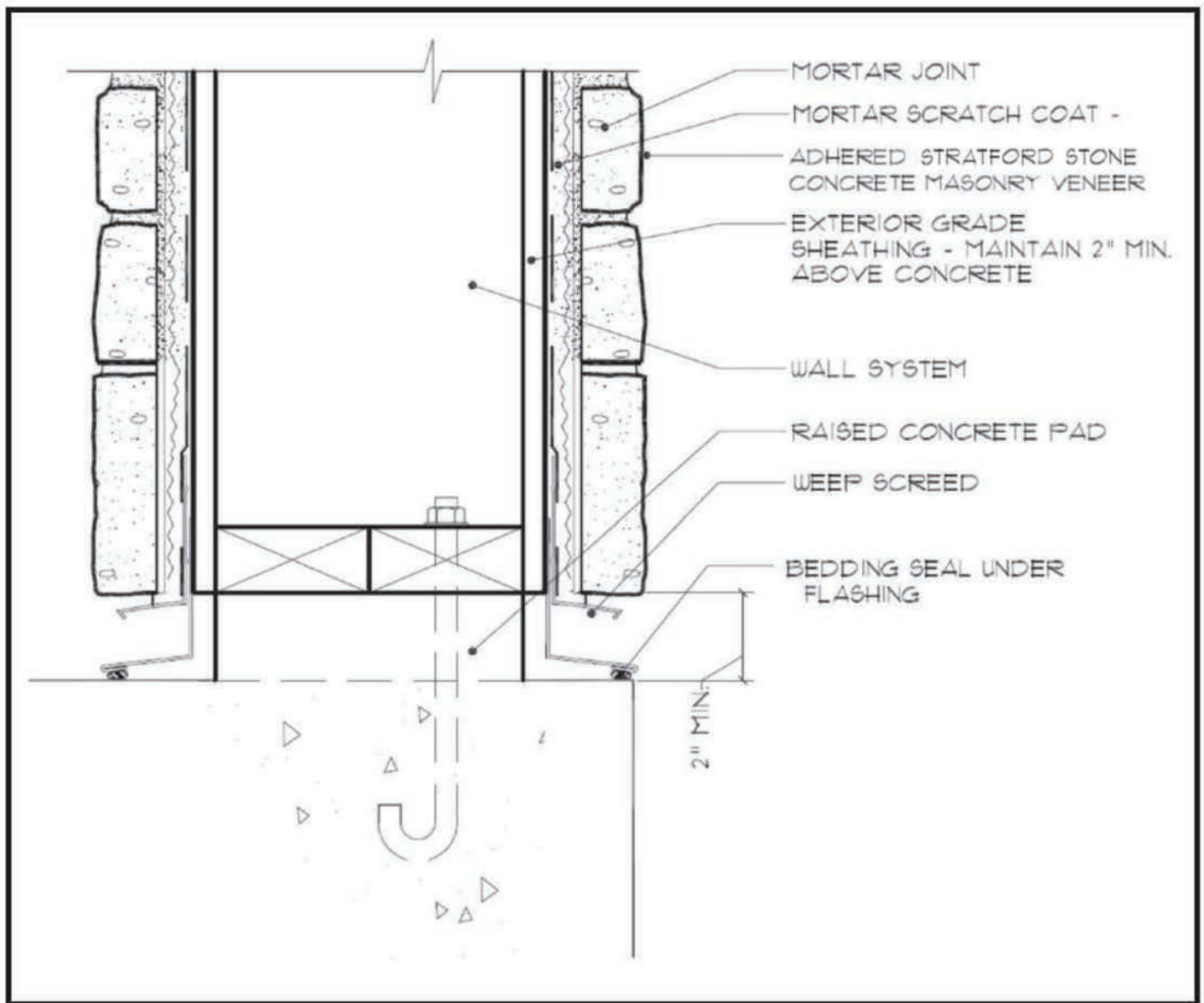
# Fig. 23 - Column Base



**A minimum two inch clearance should be maintained at all sides of the base. All column materials to be exterior grade. Do not extend flashing past edge of ACMV for safety reasons.**

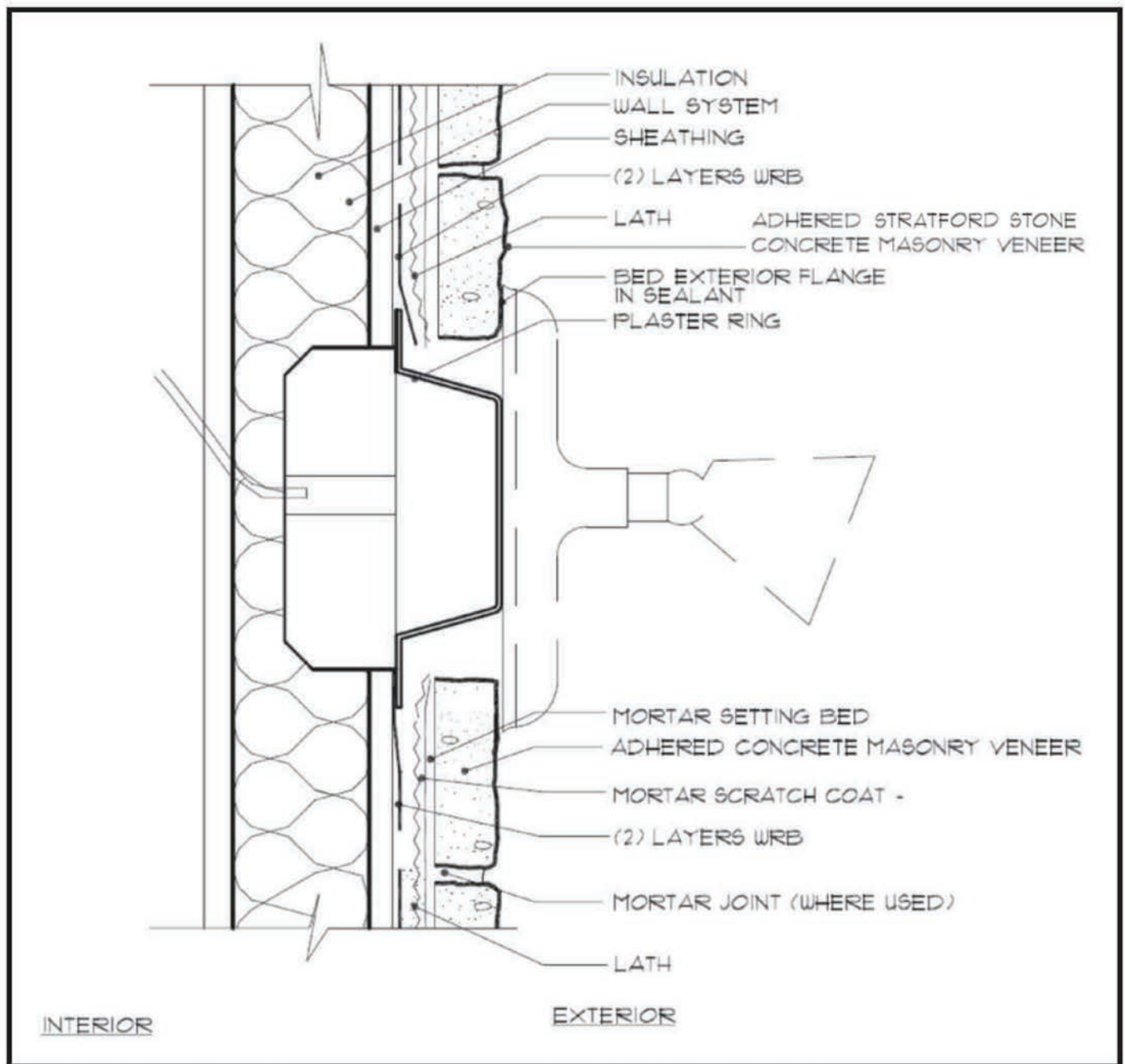


# Fig. 24 - Raised Column Base



**Adhered concrete masonry veneer may overlap the raised concrete pad, but a clearance of two inches should be maintained at all sides of the base. Do not extend flashing past edge of ACMV.**

# Fig. 25 - Fixture Penetration



**Plaster rings should be affixed over the service box to bring the face of the box flush with the adhered concrete masonry veneer. Bed the exterior flange in sealant. Water resistive barrier should be installed snugly around the plaster ring flange.**



**Switch Box**

7.5" x 11" x 4.25" center



**Electrical Box, 1 gang**

4.5" x 6.5"



**Electrical Box, 2 gang**

6.5" x 7"



**Electrical Box, 3 gang**

6.5" x 8.5"



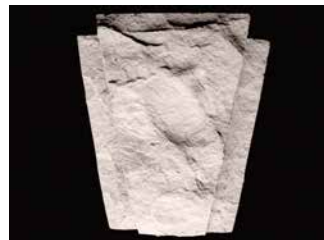
**Keystone 1**

9" x 10" (5" at bottom)



**Keystone 2 Tiered**

15" x 16" (9" at bottom)



**Water Table**

18" x 3" x 2.5"



**Water Table**

24" x 3" x 2.5"



**Address Block**

8" x 15.5"



**Water Faucet Outlet**

6" x 8"





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