

energex[®]

wall systems

energex[®]

Direct Applied System

E236

DESCRIPTION:

ENERGEX Direct Applied System acrylic wall system. It may be utilized over masonry substrates.

USES:

The **Energex Direct Applied System** is used wherever a highly durable textured uninsulated wall system is required.

ADVANTAGES:

Lightweight
Fade Resistant
Substantial savings on reduced structural requirements

SURFACE PREPARATION:

Masonry Block - Block shall be laid perfectly plumb and true, free of excess mortar and with all joints neatly tooled with a concave joint. All defects, i.e. chipped edges, large voids, etc., shall be carefully pointed, filled with mortar. All projecting mortar shall be ground and large holes shall be filled. Porous block shall be air pressure dusted to remove loose particles. All mortar joints shall be thoroughly cured.

Poured or Precast Concrete - No curing compounds or form release agents which may affect proper coating adhesion shall be used. Immediately after forms have been stripped, all fins and other projections shall be removed. Voids and other damaged areas shall be filled with block fill. Tie rods or other projecting metal must be cut back at least one inch and coated with a cement mortar mixture. All surfaces shall be rubbed with a carborundum brick to produce a smooth, even finish. Do not use a cement wash.

Plaster - Surface shall be finished with a Portland Cement, steel troweled finish. Vermiculite, Perlite or Keene Cement plaster is not acceptable.

Previously Painted Surfaces - Consult an **ENERGEX** representative for proper recommendations.

All surfaces must be thoroughly cured, dry and clean before the **ENERGEX Direct Applied System** is applied. Moisture content of these surfaces shall not exceed 16% except for white coat plaster which may not exceed 6% of moisture.

A minimum air and wall surface temperature of 50°F must be maintained.

MIXING:

ENERGEX Enerbond: Premix with a slow mechanical mixer until fully blended.

ENERGEX Enermix (5 gal. pail): Mix 1:1 by weight with Portland cement with a mechanical mixer. When fully blended let sit for 5 minutes and the re-temper.

ENERGEX Finish: Premix the finish for two minutes with a slow mechanical mixer.

APPLICATION:

By roller, apply an even coat of Enerbond (bonding agent) over the entire surface. Immediately after the Enerbond is dry coat the field with Enermix Base Coat approximately 1/16" to 1/4" thick with a stainless steel trowel. Optionally, embed ENEREX Fiberglass Mesh Into Base Coat. After the Enermix Base Coat is fully cured apply the **ENERGEX** Finish.

LIMITATIONS:

Minimum surface temperature in above 50°F.

COLORS:

Colors from **ENERGEX's** color chart.

COVERAGE:

ENERBOND 1500 sq. ft. per pail

ENERMIX Base 140 sq. ft. per pail

Coat Varies by texture

ENERGEX

Finishes

CAUTIONS:

Minimum application temperature shall be 50°F and rising:

Clean hands with soap and water.

Clean equipment with water.

If irritation develops, seek medical attention immediately. If swallowed, call a physician immediately.

Consult Manufacturers Safety Data Sheets.

PACKAGING:

55 or 5 gal. units

50LBS bags or 5 gal. units

5 gal. units

IMPORTANT NOTICE TO PURCHASER-The following is made in lieu of all warranties, express or implied: energex's (eifs, inc.) only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequently arising out of the use of or the inability to use the product. Before using user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be altered except by an agreement signed by officers of seller and manufacturer.

2960 Woodbridge Avenue
Edison, New Jersey 08837
Office (888) 343-7463
Fax (718) 932-6710



**DIRECT APPLIED SYSTEM
SUGGESTED DETAILS**

NOTICE

The details which follow also any related notes and/or text contained thereon are based upon typical requirements of ENERGEX® Wall Systems exterior insulation and finish systems. These are published strictly as a guide for architectural and construction industry professionals in order to illustrate typical and/or general design conditions.

Do not use these details by themselves. These details do not constitute design instructions for exterior insulation and finish application. Use these details in conjunction with ENERGEX® Wall Systems current product specifications, product data sheets and application instructions.

Any details described are strictly for the purpose of illustrating typical system applications. Any other materials shown in any details are included only for the clarity of the system detail. These are incidental to the details. Please consult with the manufacturers and/or suppliers of any separate material for their product specifications and application instructions.

When site and/or design conditions not shown in these details are present, or if any unusual design is involved, please consult with ENERGEX® Wall Systems technical support for assistance.

ENERGEX® Wall Systems does not warranty the fitness or the suitability of these details for construction, nor assume any liability for the use of the details. When using these details, it is the sole responsibility of the specifier and/or construction industry professional to apply their professional knowledge in utilizing the information contained in these details.

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

CAUTION AND DISCLAIMER

The following information should be obvious to design professionals, contractors, builders, installers, purchasers and users of Energex® materials but please take a moment to review this information and to take an opportunity to remember the importance of sound design and construction practices, methods and materials

Energex® materials are components of construction assemblies and are not consumer products. Serious damage to Energex® materials and to the buildings and building components and assemblies into which they are incorporated can result from

- (1) improper use, application or installation,**
 - (2) use as part of improperly designed or constructed assemblies or buildings or with defective adjacent materials or assemblies,**
 - (3) failure to follow applicable specifications, instructions and construction details, or**
 - (4) other design or construction defects, deficiencies and failures. Any resulting accumulation of water and moisture in wall assemblies may cause damage to building components including delamination of wall coverings**
- Incorporating Energex® materials, deterioration of internal wall components and mold.**

Energex® sells its materials “as is” and disclaims all liability and warranties express or implied except for explicit limited written warranties issued to building owners in accordance with Energex® approved warranty program offerings from time to time. Energex® undertakes no responsibility for the quality of its materials except as otherwise provided in its approved warranty program offerings. Energex® assumes no responsibility that its materials will be fit for any particular purpose, except as otherwise provided in Energex® approved warranty program. Energex® will not be liable for any direct, incidental, consequential, or indirect damages (including lost profits) arising out of use of its materials.

Please note that some jurisdictions may not allow the exclusion of implied warranties, so some of the above exclusions may not apply to you. Energex® component materials are intended for application by qualified installers as specified by qualified design professionals. Energex® component materials should be installed in accordance with written specifications, instructions, details and applicable code organization evaluation reports under supervision of qualified builders, general contractors, design professionals or independent inspectors. Please see the relevant guide. Although every effort is made to ensure that the information is timely and correct, it is provided solely as a guide to assist the designer, specifier, builder, general contractor and/or installer. The responsibility remains with the designer, specifier, builder, general contractor and/or installer to apply the information provided by Energex® properly to specific installations. Energex® component materials should be installed only using suitable design and construction methods and with non-defective properly installed and constructed adjacent materials and assemblies.

Performance of the completed building components into which Energex® component materials have been installed should be verified by testing and inspection as appropriate, carried out only by qualified persons. It is the user responsibility and obligation to provide for such inspection and testing. Energex® component materials are not designed or intended to be able to correct or prevent damage from faulty design or workmanship such as the absence or improper integration of flashing, nor are they designed or intended to correct or prevent damage from other defective components of construction that leak anywhere into the wall assembly. Flashing should always be integrated with the cladding to direct water to the exterior, not into the wall assembly, particularly at potential leak sources. The design/construction professional must take material compatibility and construction sequencing into account when designing a building exterior. Flashings, windows, roofs, doors and other building penetration and termination locations and adjacent materials should be fully evaluated, properly selected and constructed to prevent water entry into building assemblies. The accumulation of moisture behind Energex® component materials may result in building damage. Qualified design and construction professionals should strictly comply with specified procedures for mixing, application and integration to avoid causing or contributing to potential water intrusion problems.

Energex® disclaims, and assumes no liability for on-site inspections, for improper application, assembly, installation or use of Energex® materials or any assemblies into which they are incorporated, for incorporation as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, for all on-site construction activities (being beyond Energex® control), or for any damage including water or moisture intrusion or delamination resulting in whole or in part because of any such occurrences.

Before use, design professionals, owners and contractors should fully investigate Energex® materials and assemblies into which they are to be incorporated to enable informed choices as to suitability for a particular project and proper design and implementation.

Purchasers of Energex® component materials should share this Caution and Disclaimer information with purchasers or owners of buildings into which Energex® materials are incorporated.

Copyright 2009, Energex LLC

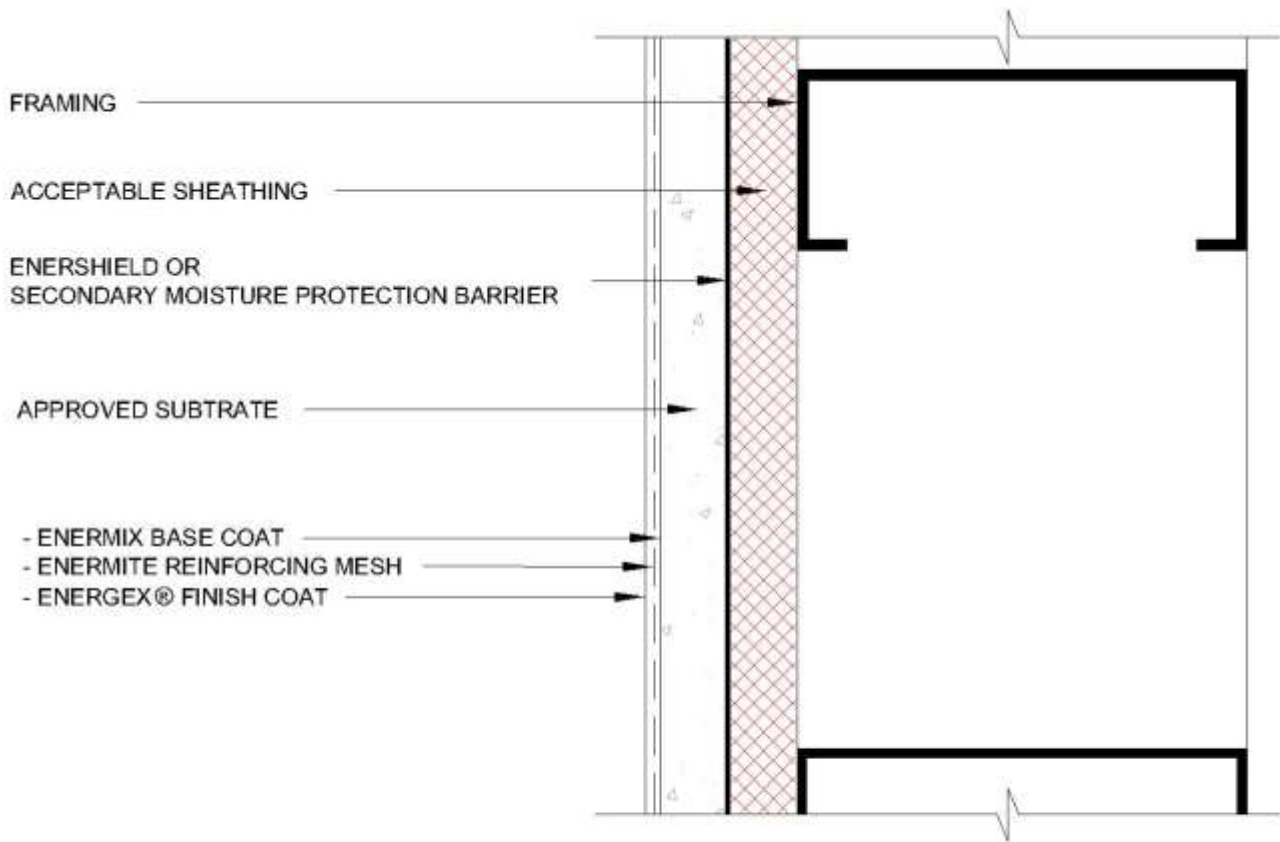
Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

Table of Contents

TYPICAL PLAN VIEW.....	5
TYPICAL ISOMETRIC VIEW.....	6
CLAD WINDOW JAMB	7
CLAD WINDOW HEAD.....	8
CLAD WINDOW SILL.....	9
PRIMED WINDOW HEAD.....	10
PRIMED WINDOW JAMB.....	11
HORIZONTAL EXPANSION JOINT.....	12
CONTROL JOINT, REVEAL 1.....	13
CONTROL JOINT, REVEAL 2.....	14
CONTROL JOINT, REVEAL 3.....	15
TERMINATION AT SOFFIT, GABLE END	16
PIPE PENETRATION.....	17
DOWNSPOUT, TOP VIEW.....	18
LIGHT FIXTURE	19
DRYER VENT.....	20
TERMINATION AT FOUNDATION	21
TERMINATION AT TOP OF DECK	22
TERMINATION AT BOTTOM OF DECK.....	23
METAL COPING	24
EPS AESTHETIC BAND	25
CORNER.....	26
FASCIA/SOFFIT.....	27
KICKOUT FLASHING	28

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

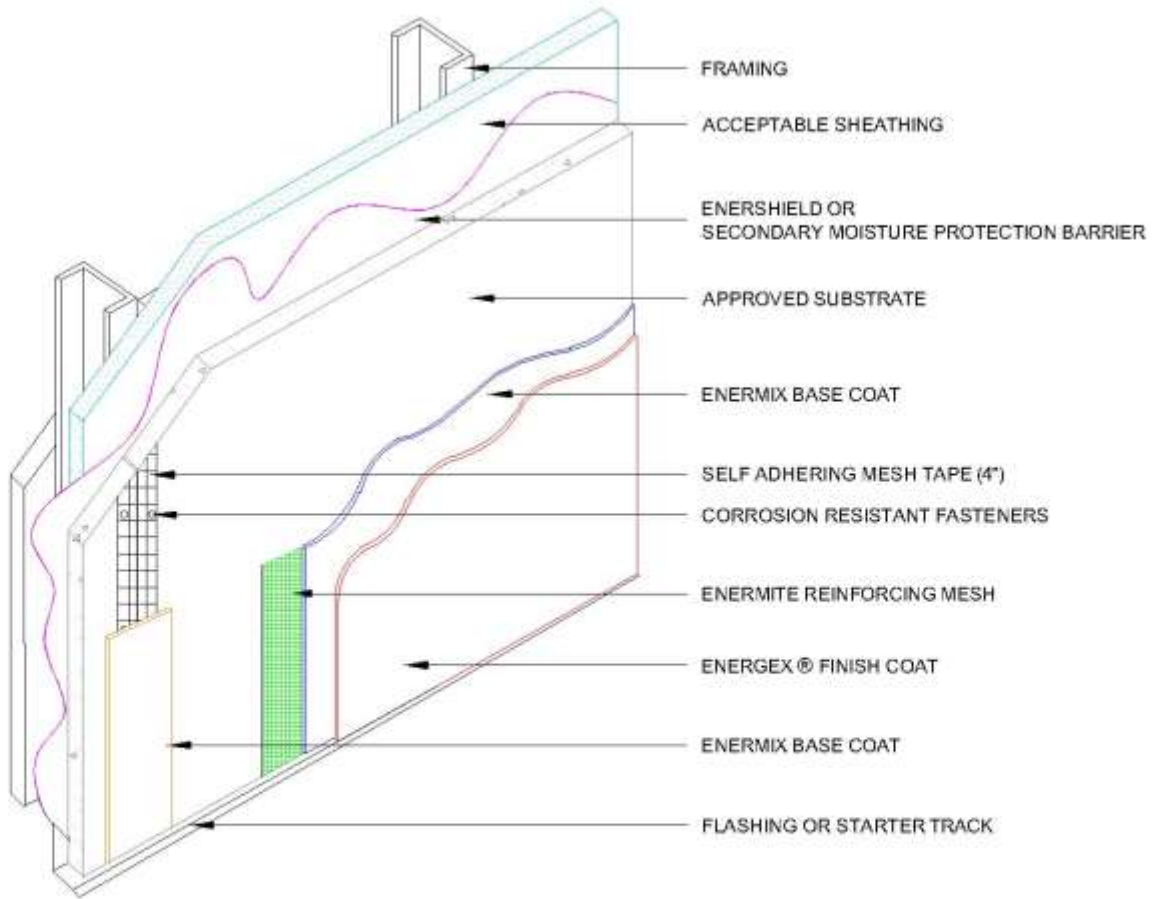
TYPICAL APPLICATION – PLAN VIEW



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

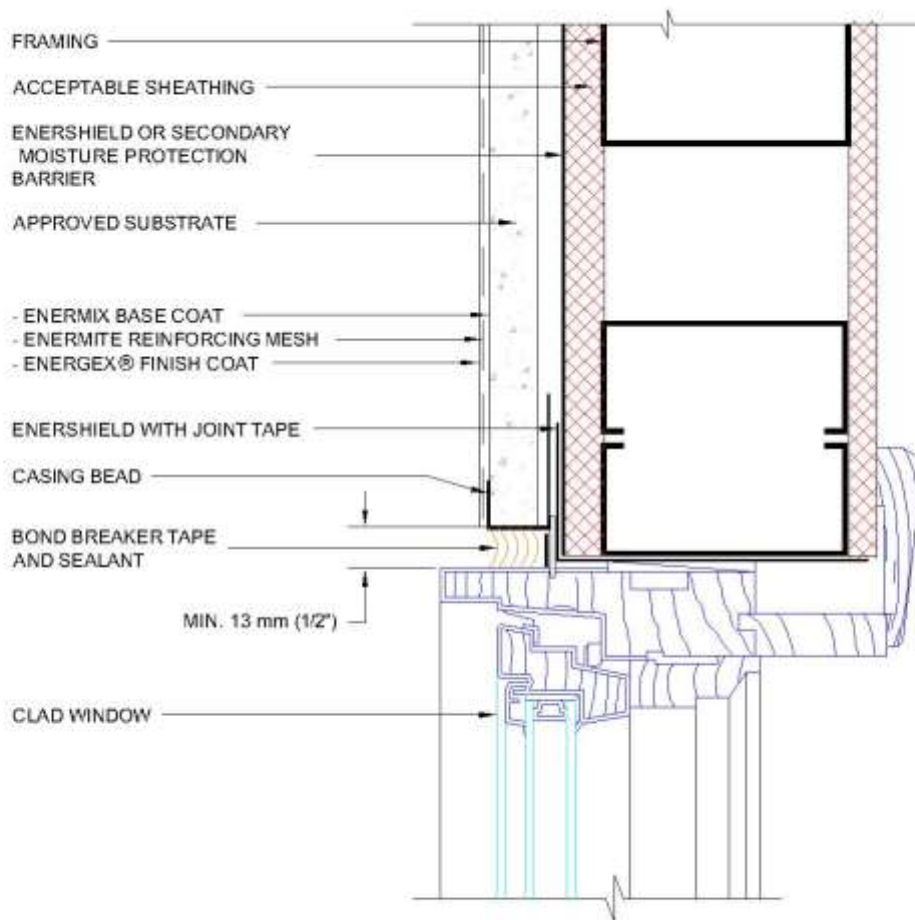
TYPICAL APPLICATION – ISOMETRIC VIEW



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

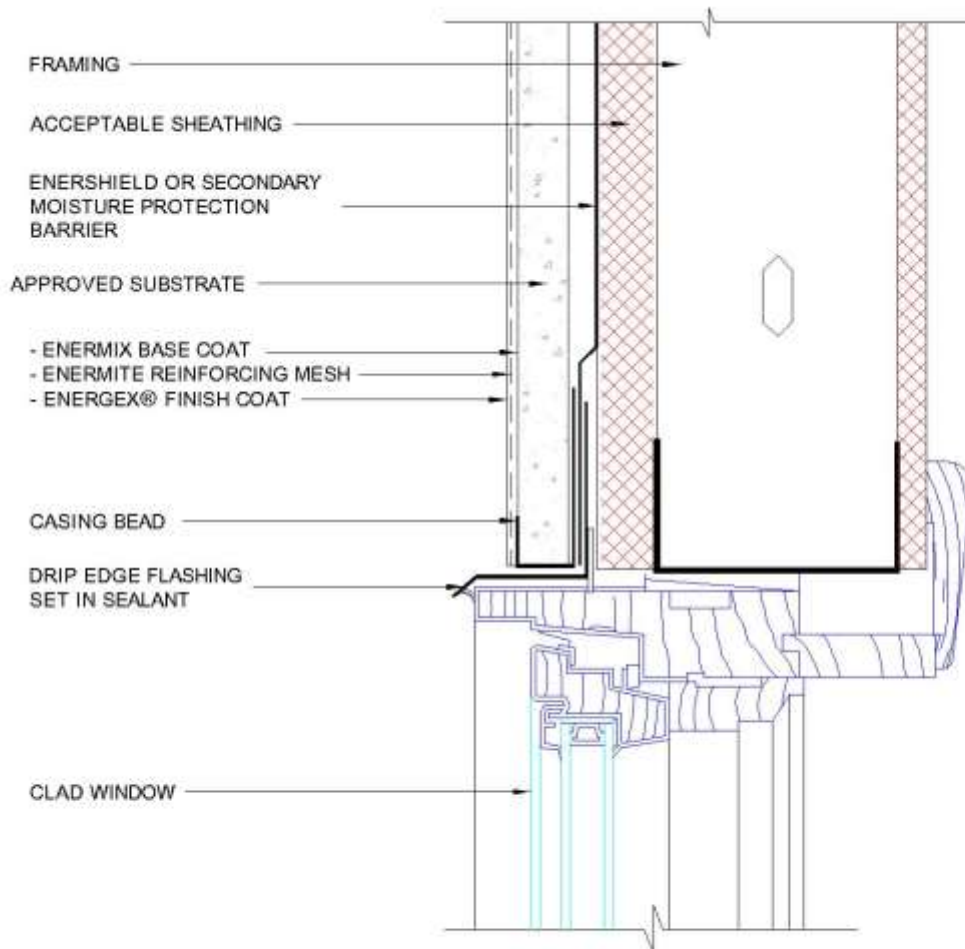
CLAD WINDOW JAMB



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

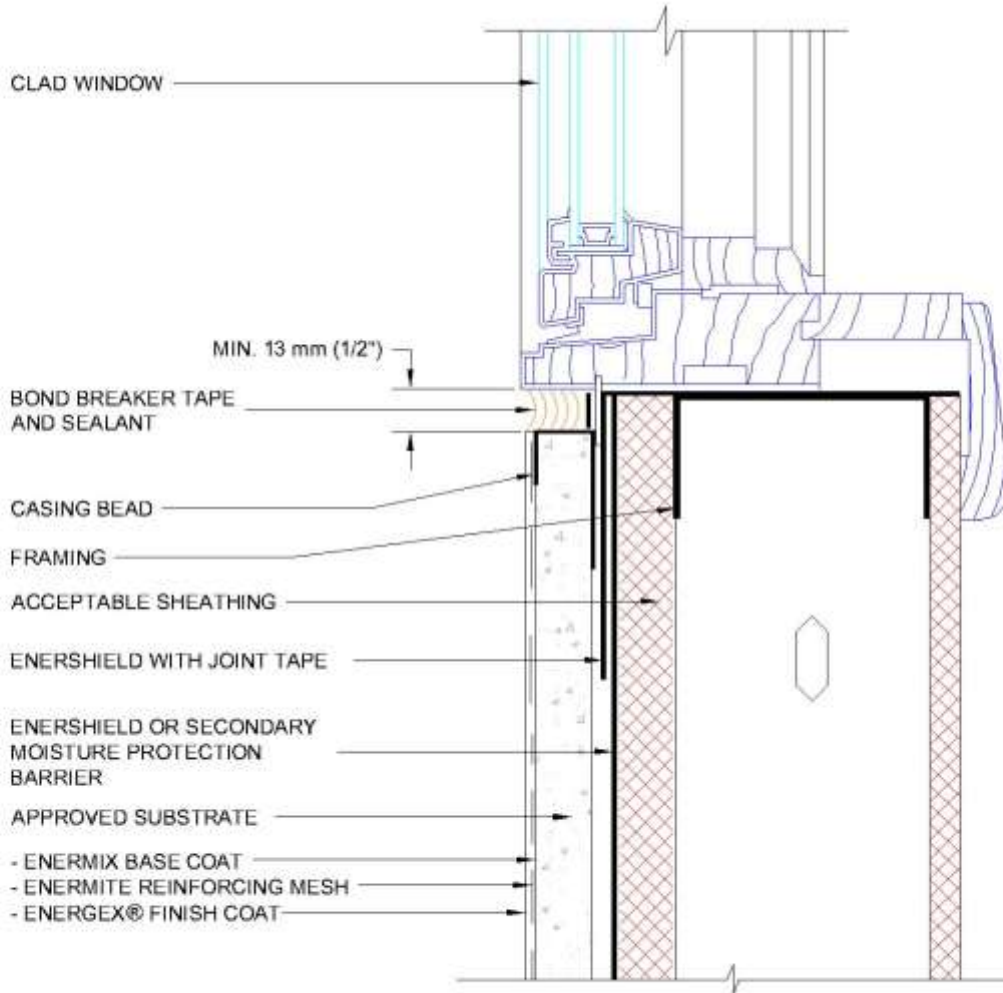
CLAD WINDOW HEAD



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

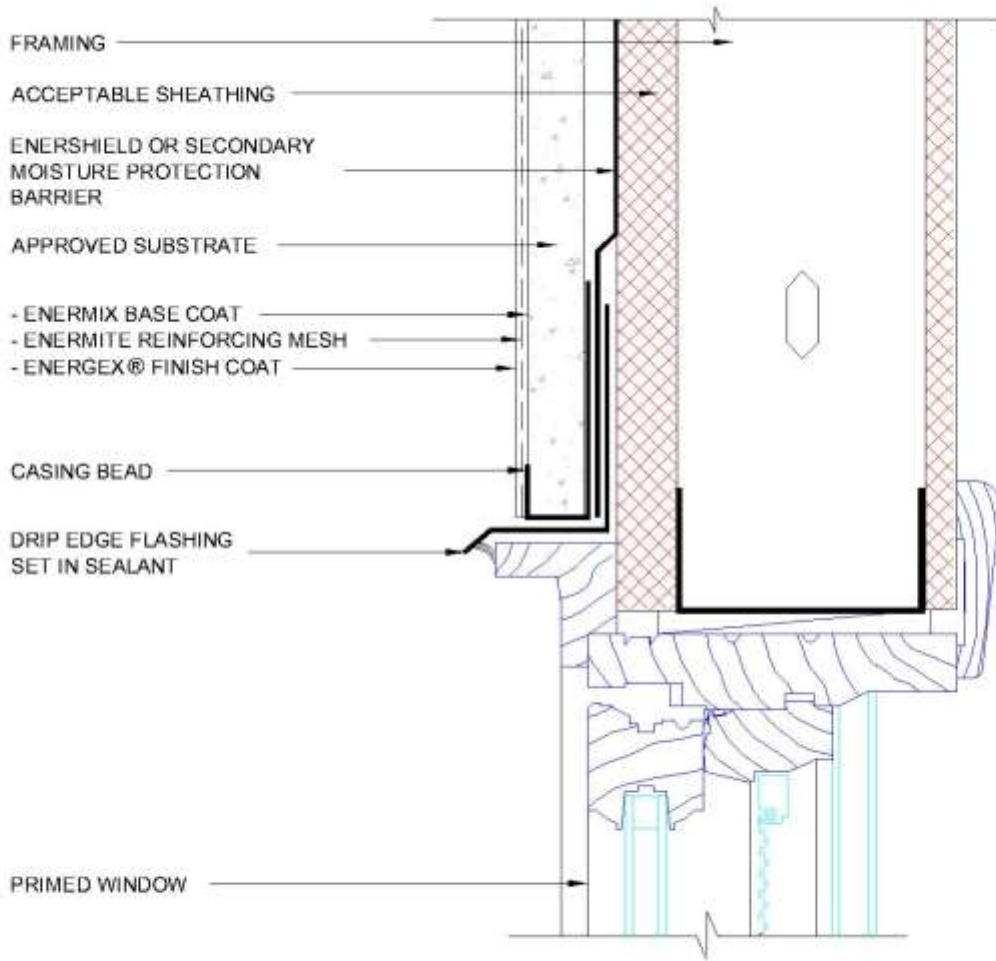
CLAD WINDOW SILL



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

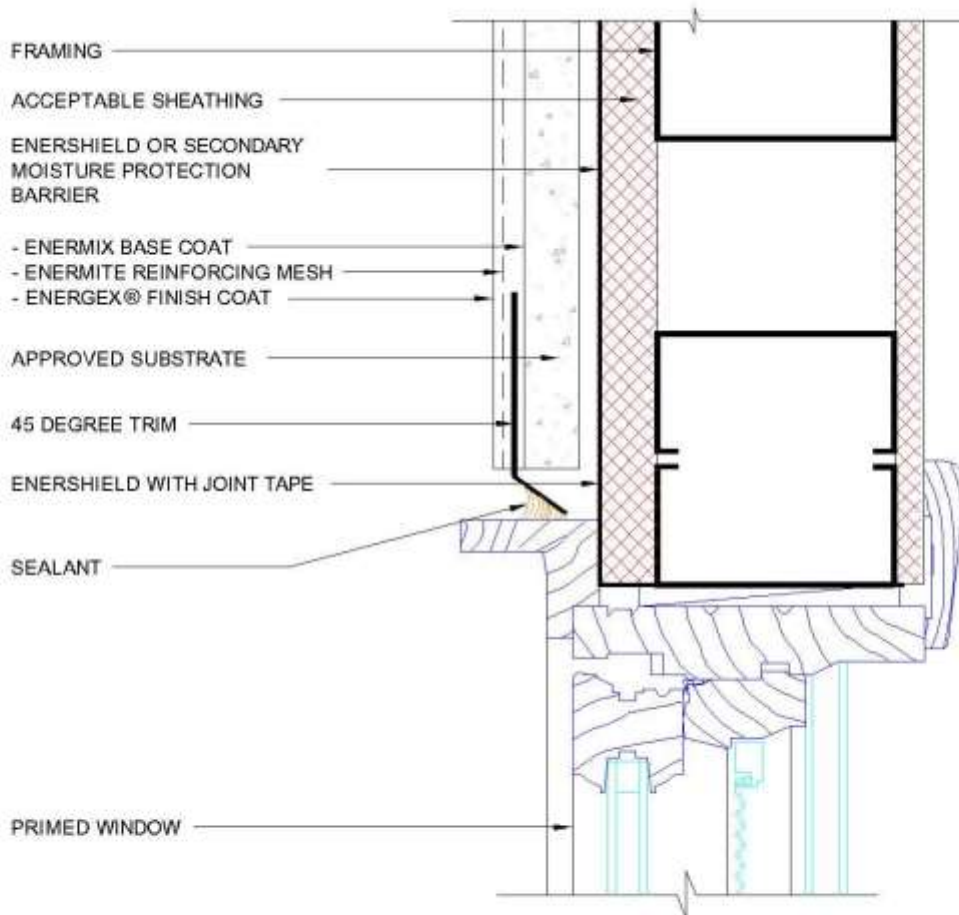
PRIMED WINDOW HEAD



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

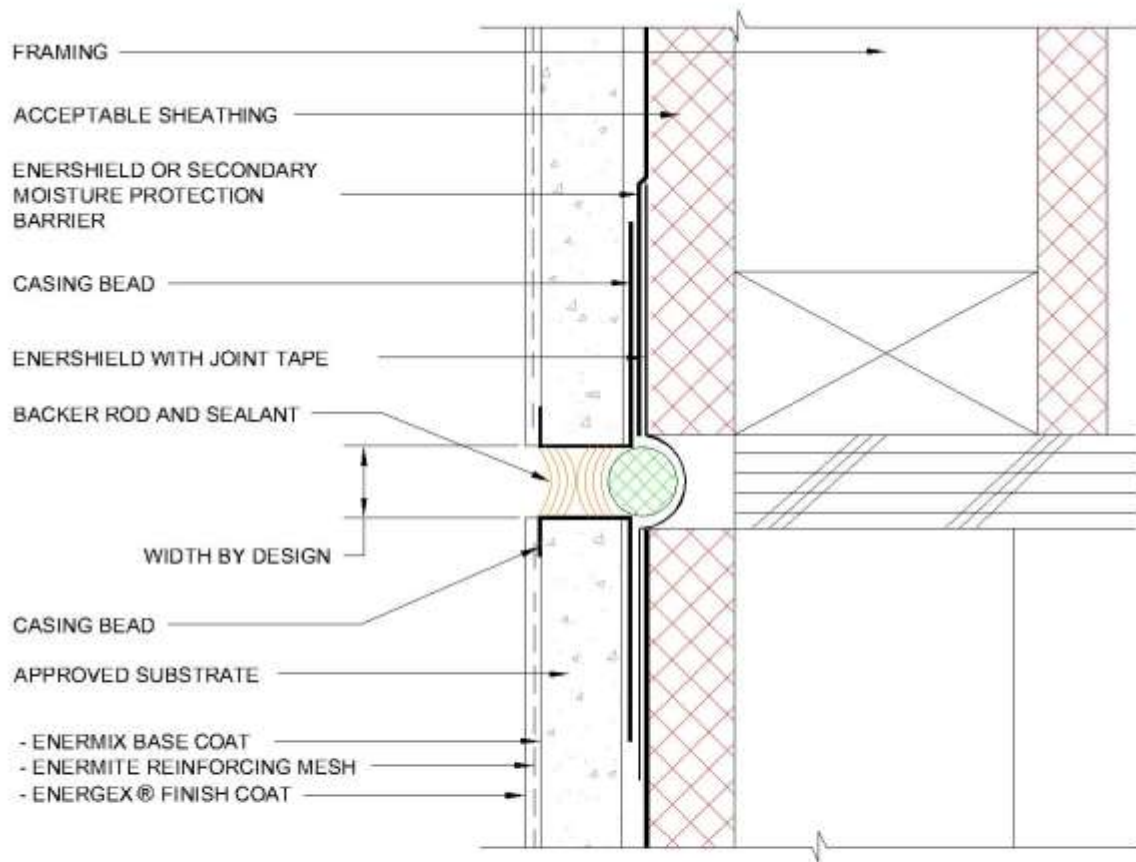
PRIMED WINDOW JAMB



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

HORIZONTAL EXPANSION JOINT



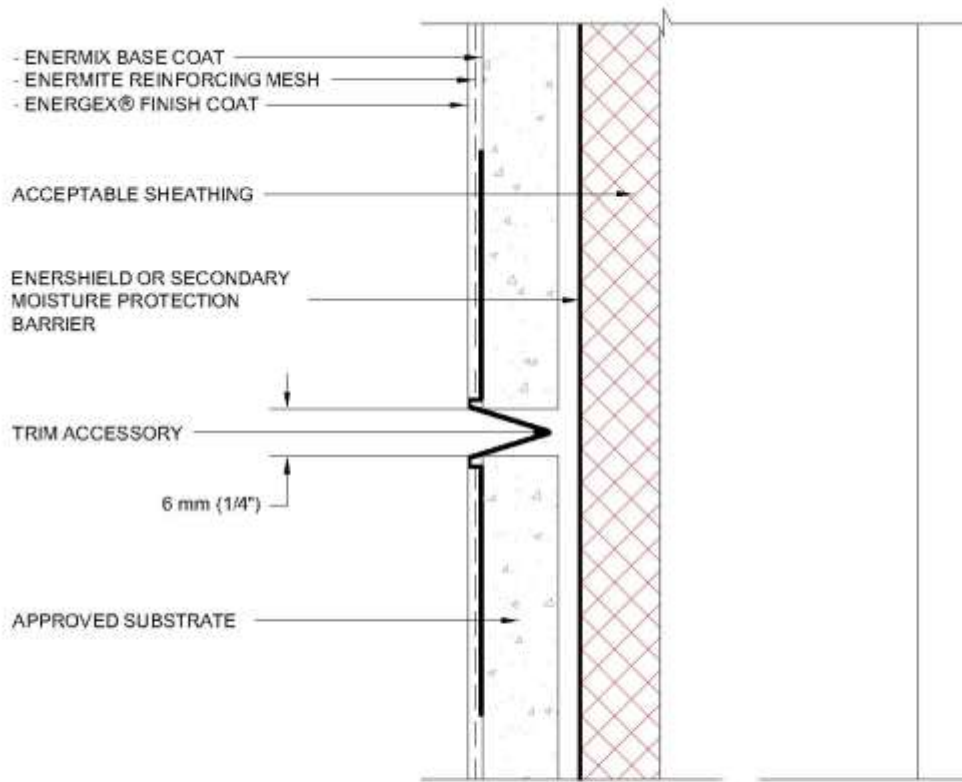
TYPICAL HORIZONTAL EXPANSION JOINT AT FLOORLINE

NOT TO SCALE

WOOD FRAME CONSTRUCTION

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

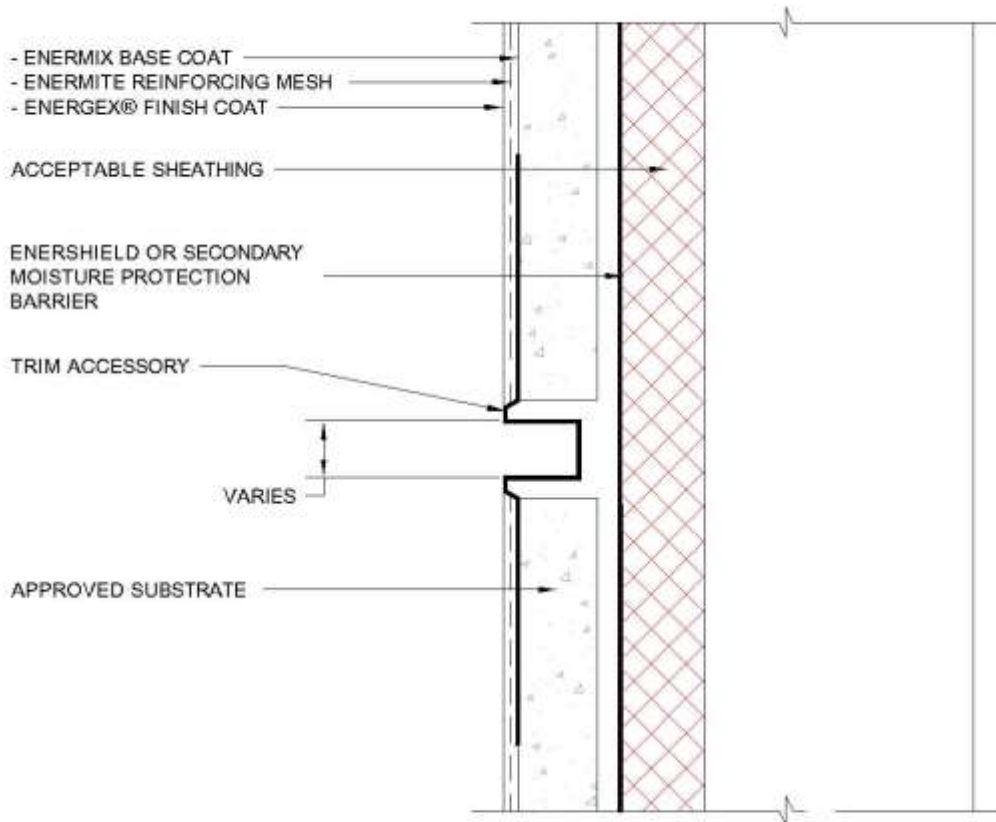
CONTROL JOINT – REVEAL 1



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

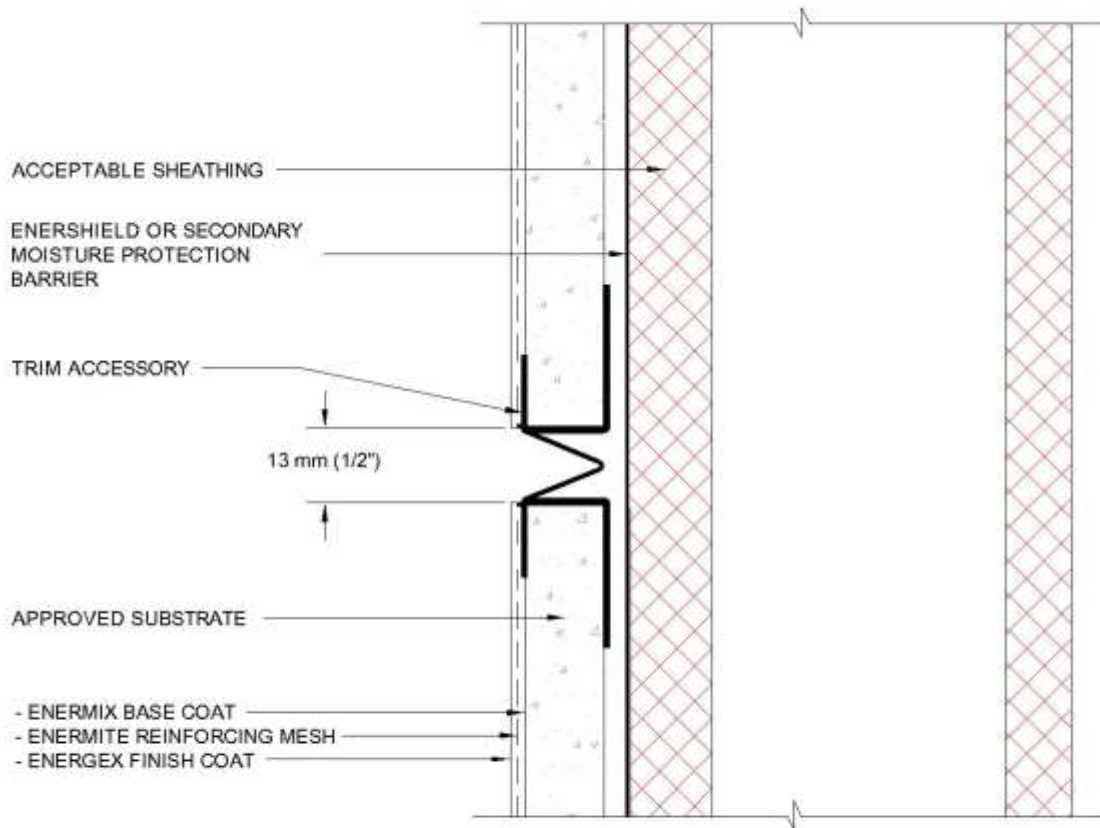
CONTROL JOINT – REVEAL 2



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

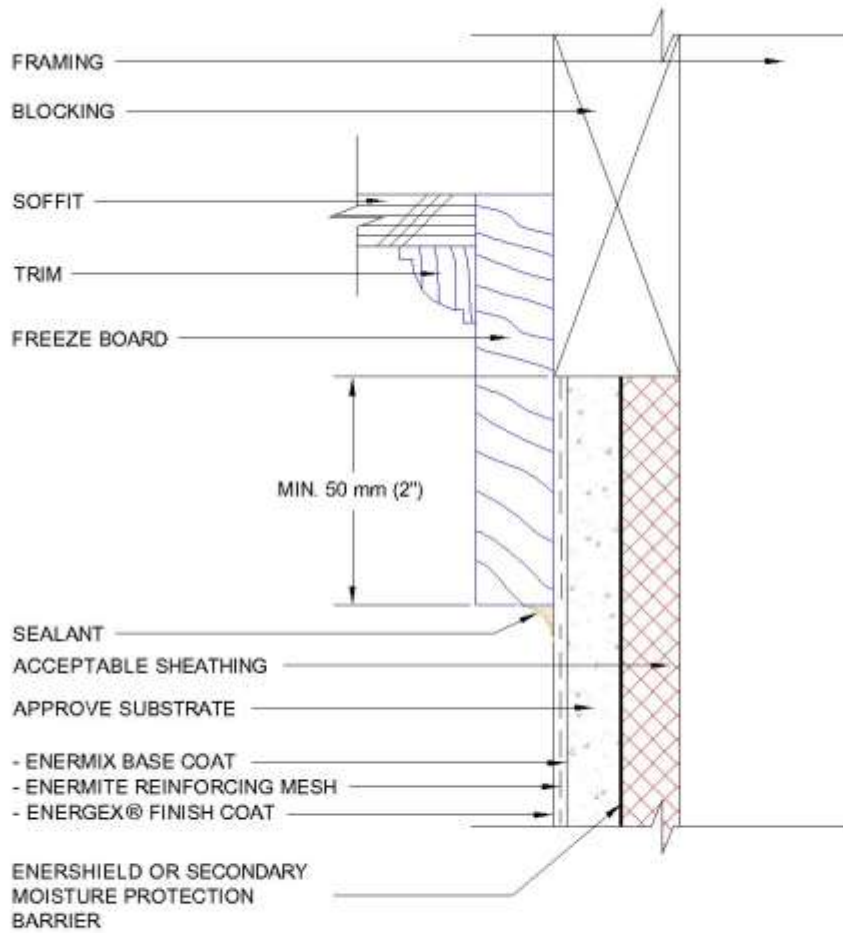
CONTROL JOINT- REVEAL 3



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

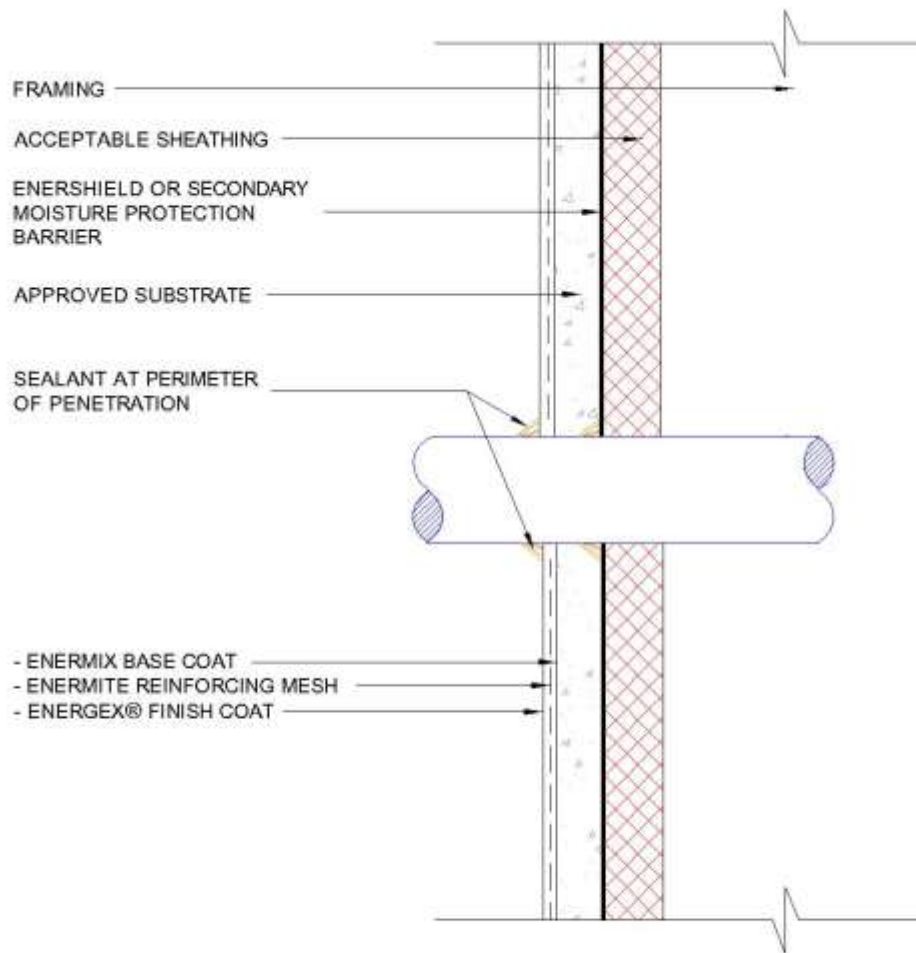
TERMINATION AT SOFFIT – GABLE END



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

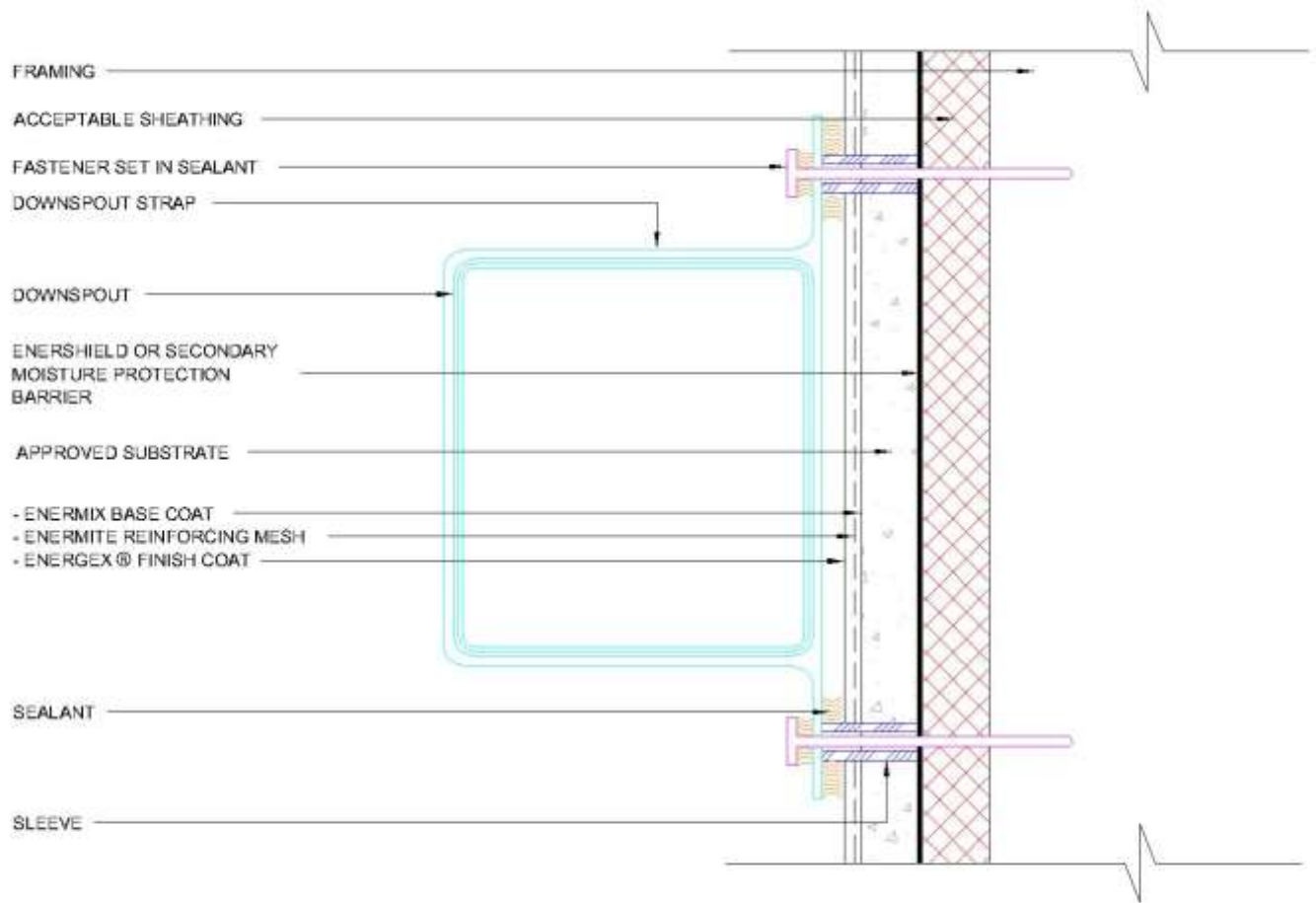
PIPE PENETRATION



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

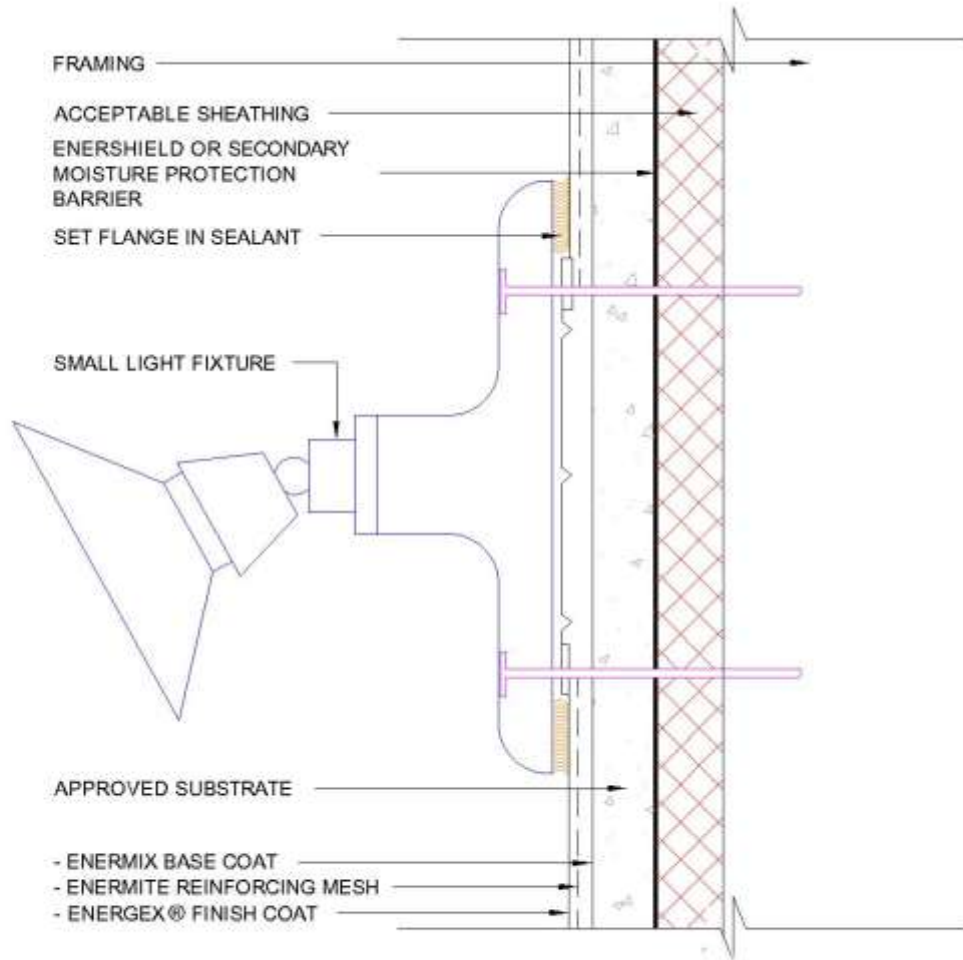
DOWNSPOUT - TOP VIEW



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

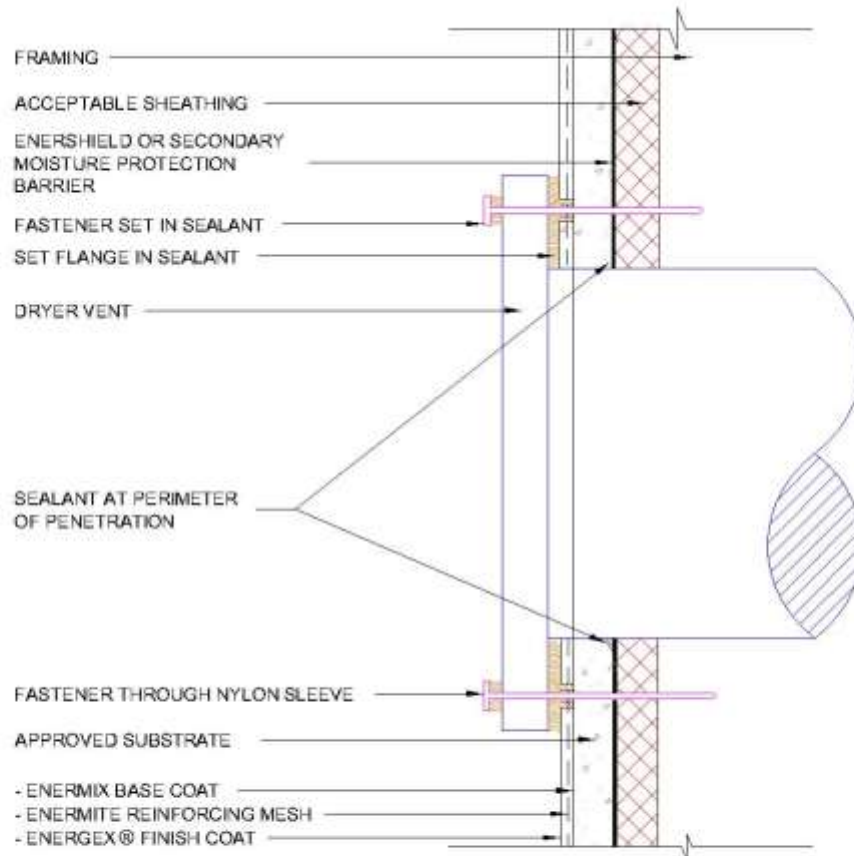
LIGHT FIXTURE



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

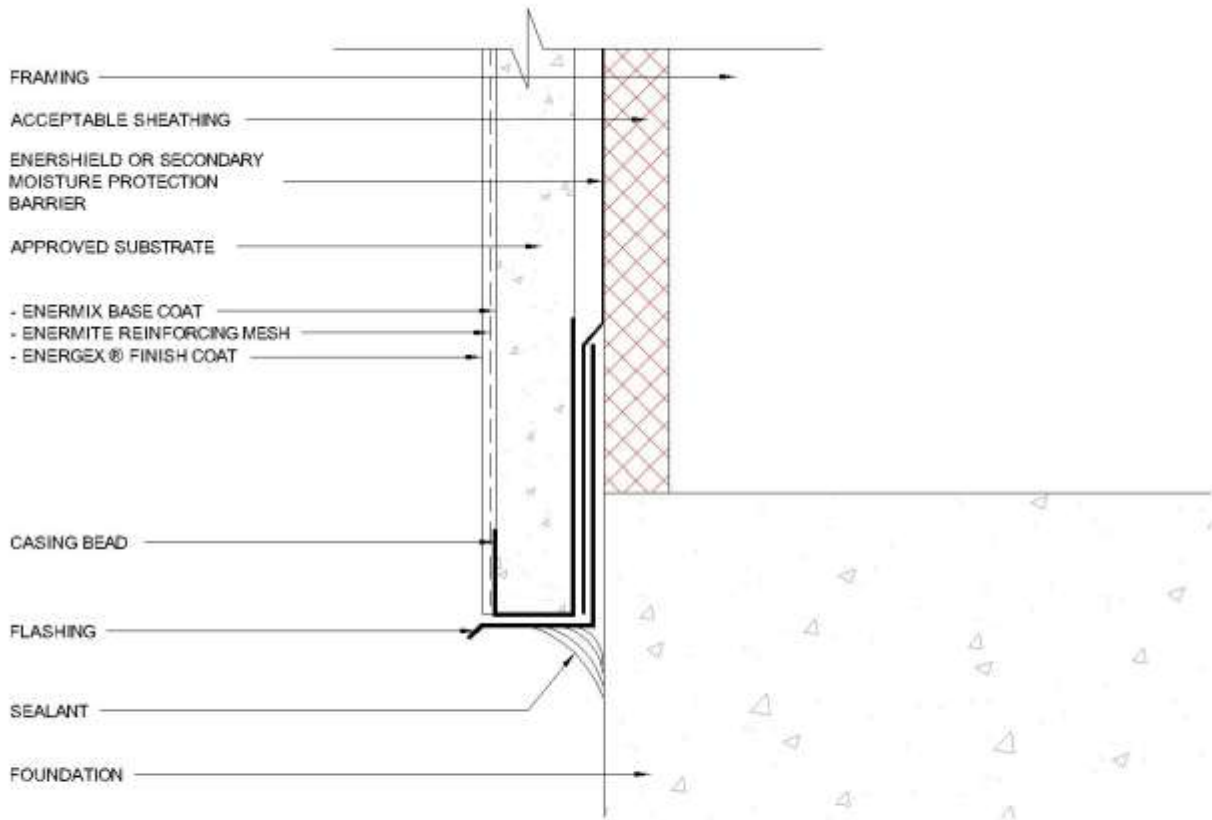
DRYER VENT



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

TERMINATION AT FOUNDATION

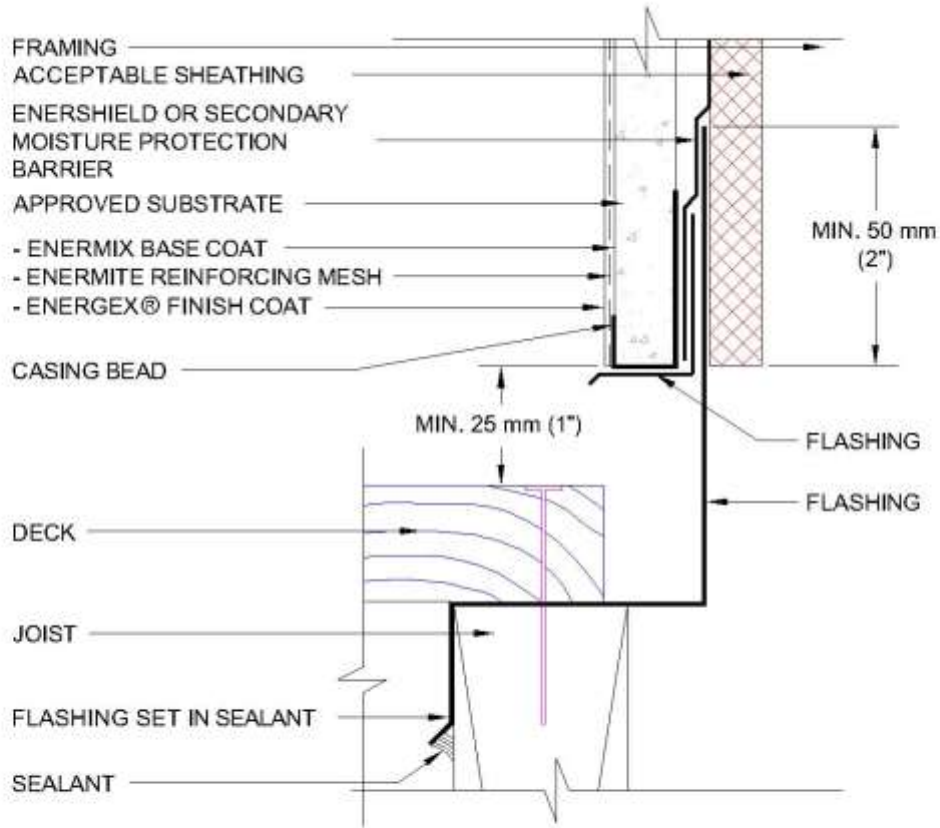


NOTE:
TERMINATE DIRECT APPLIED SYSTEM MIN. 8" ABOVE GRADE.

NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

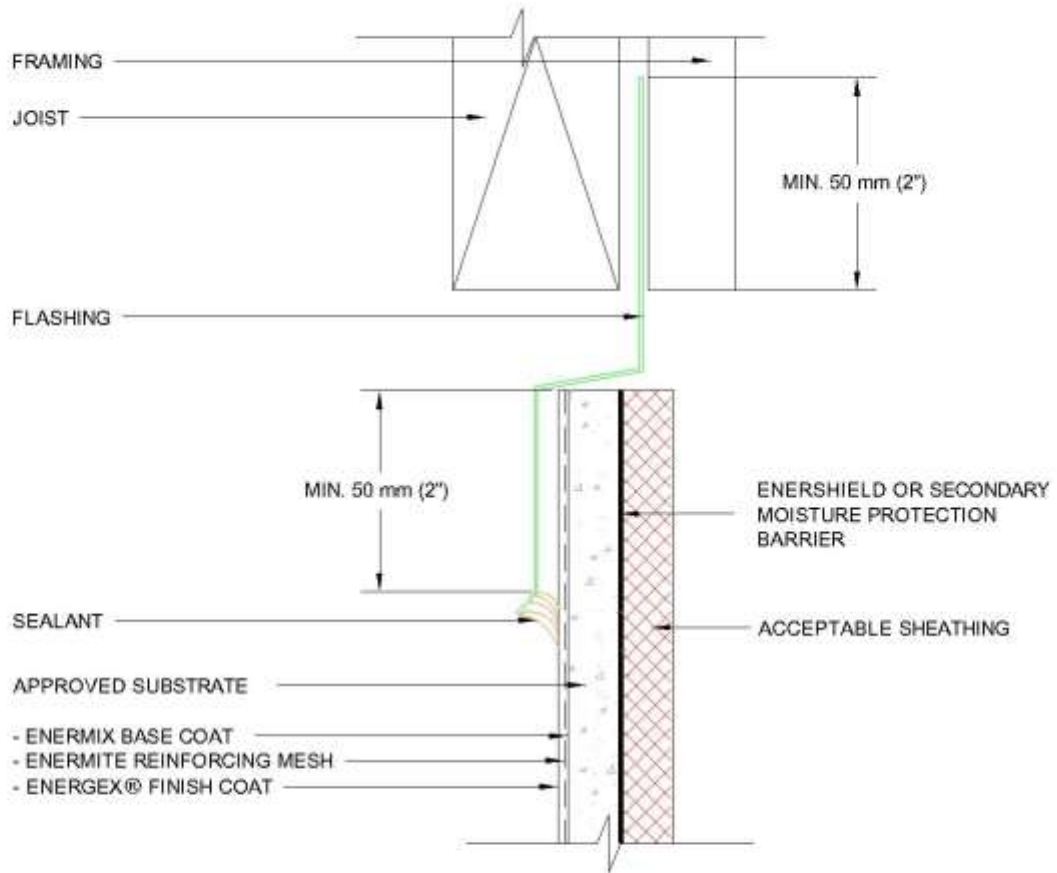
TERMINATION, TOP OF DECK



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

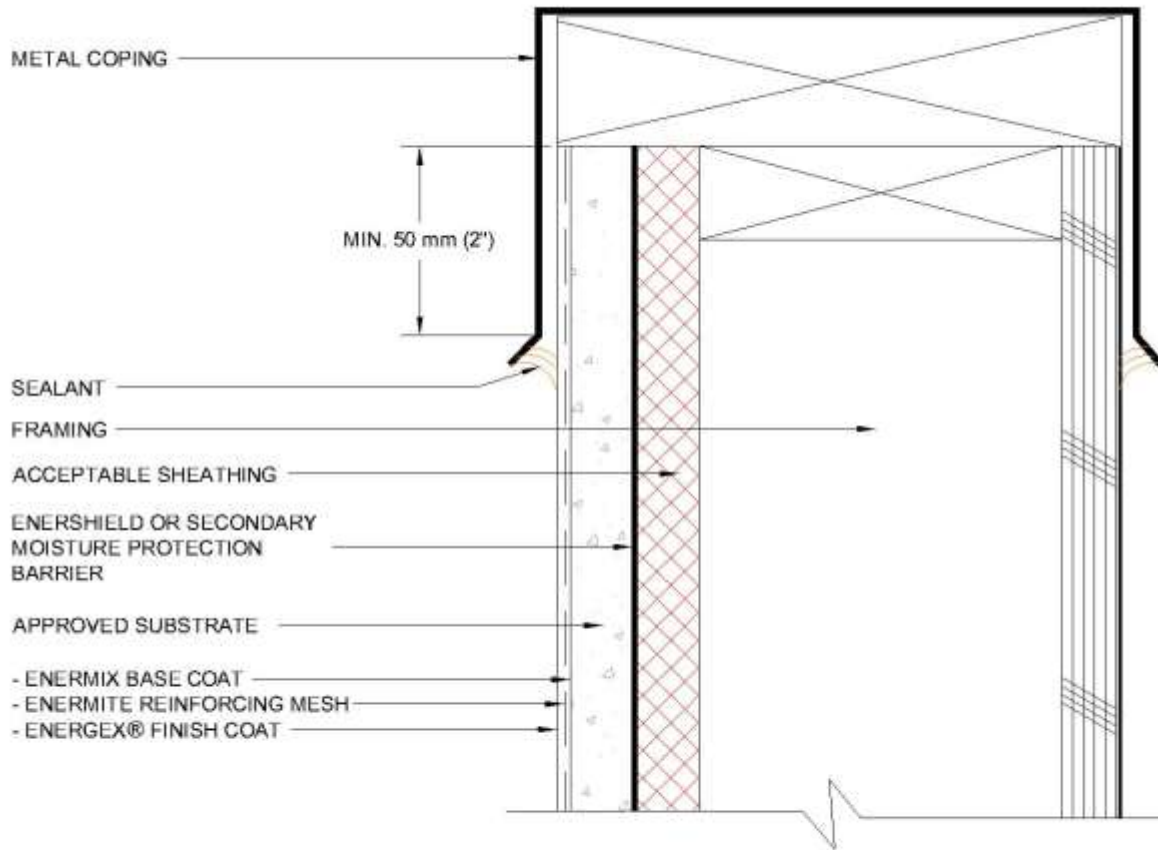
TERMINATION AT BOTTOM OF DECK



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

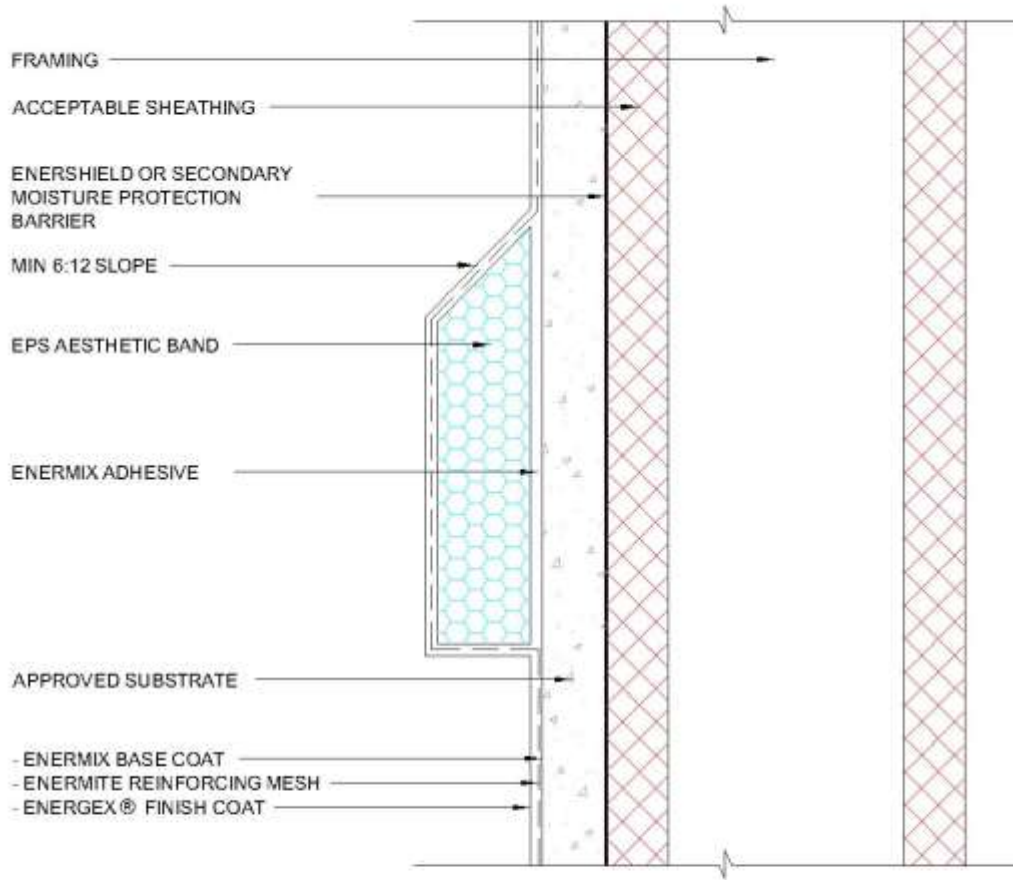
METAL COPING



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

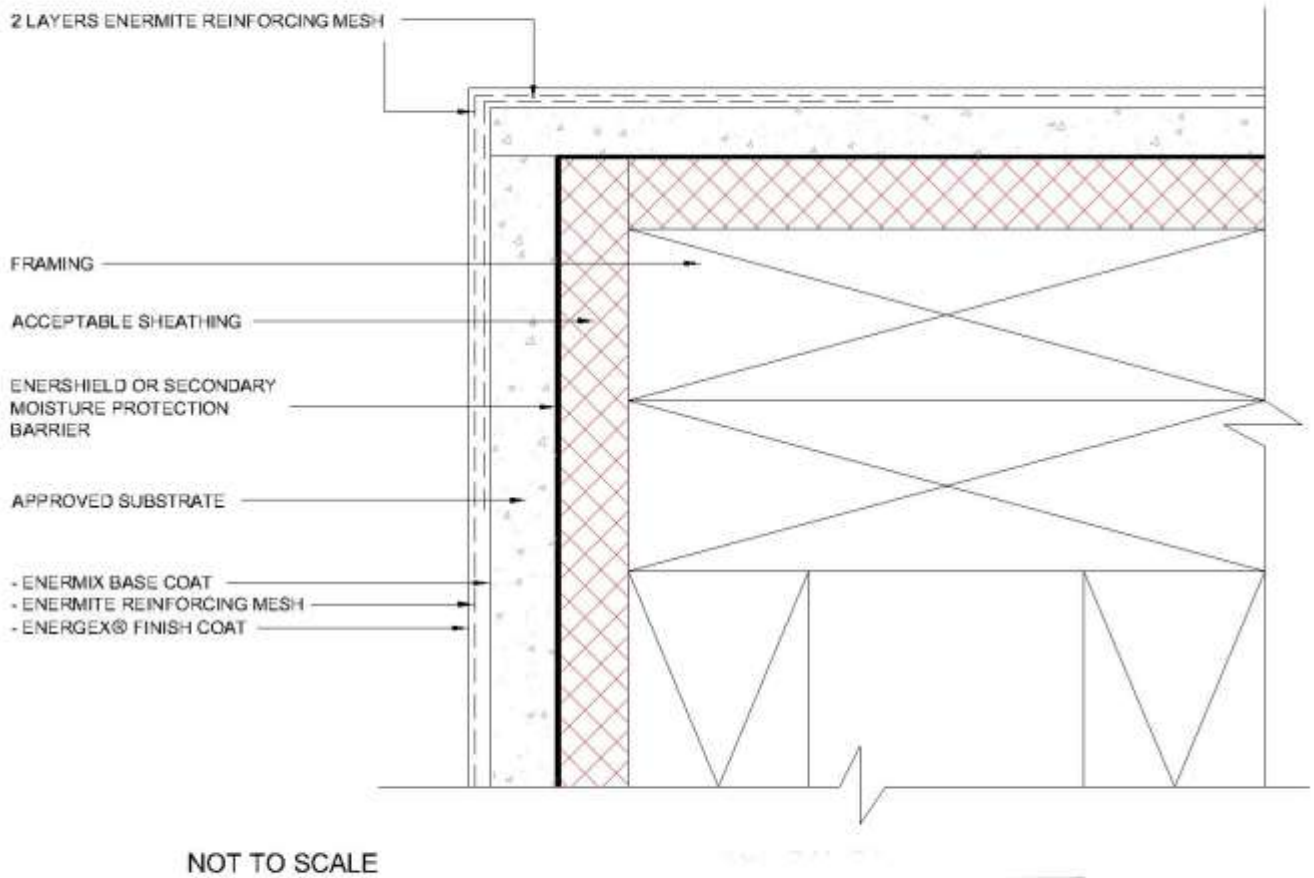
EPS AESTHETIC BAND



NOT TO SCALE

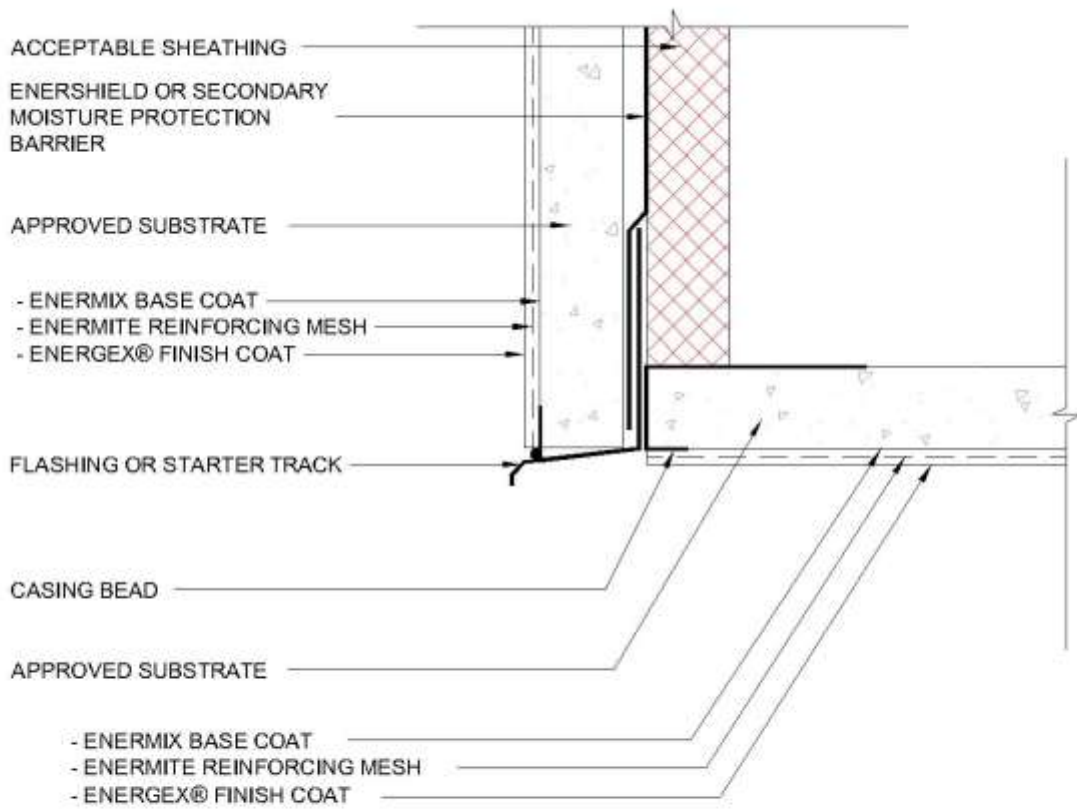
Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

CORNER



Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

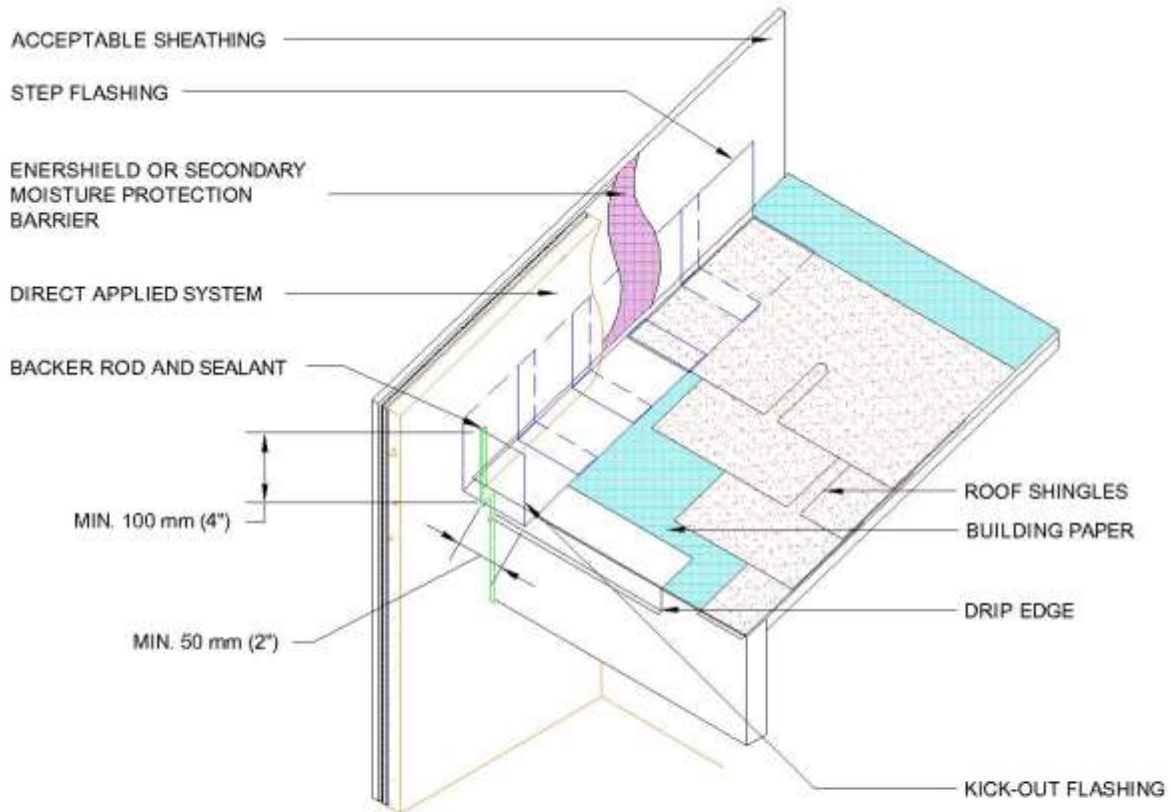
FASCIA/SOFFIT



NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

KICK-OUT FLASHING



- NOTE:
- KICK-OUT FLASHING MUST BE ANGLED 100° MIN. TO ALLOW FOR PROPER DRAINAGE.
 - KICK-OUT FLASHING SEAMS MUST BE SOLDERED OR SEALED WITH APPROPRIATE SEALANT.
 - TERMINATE DIRECT APPLIED SYSTEM 2" MIN. ABOVE ROOF.

NOT TO SCALE

Details shown are *suggested* details and should be reviewed by design professionals for your specific application.