energex®
wall systems

SUGGESTED
ONE-COAT STUCCO DETAILS

Energex® Wall Systems

NOTICE

The suggested 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 applications. 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, and for a list of compatible sealants, please consult with ENERGEX® Wall Systems technical support for assistance.

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 des ign 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 itsmaterials 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 pro vided 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 responsibi lity 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 cons truction 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 an d 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 acco unt 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 ass emblies. 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 cau sing 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.

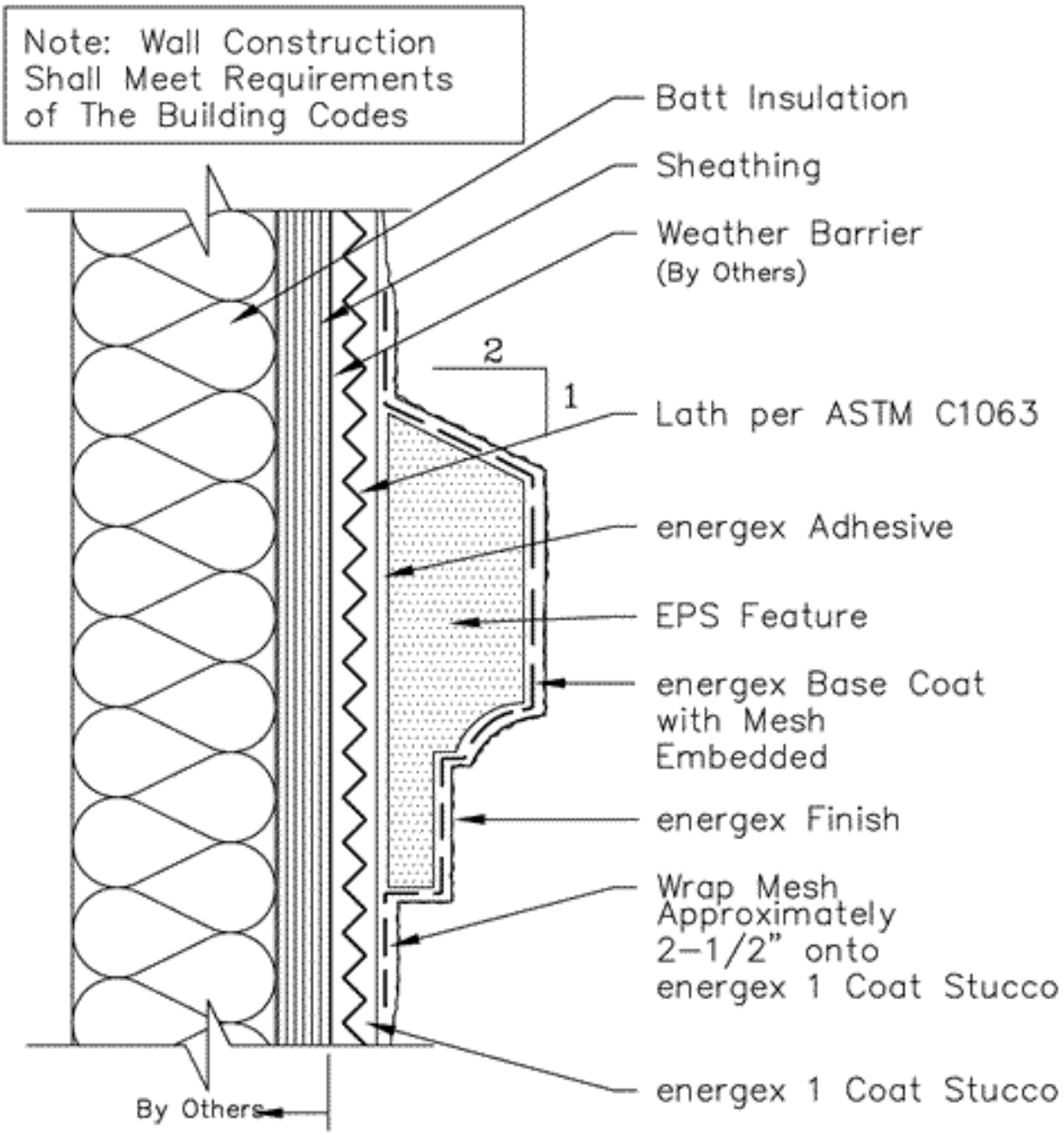
Before use, design professionals, owners and contractors should fully investigate Energex® materials and assemblies into which they are to be incorporated to enable informed choices as to suitability for a particular project and proper design and implementation.

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

Table of Contents

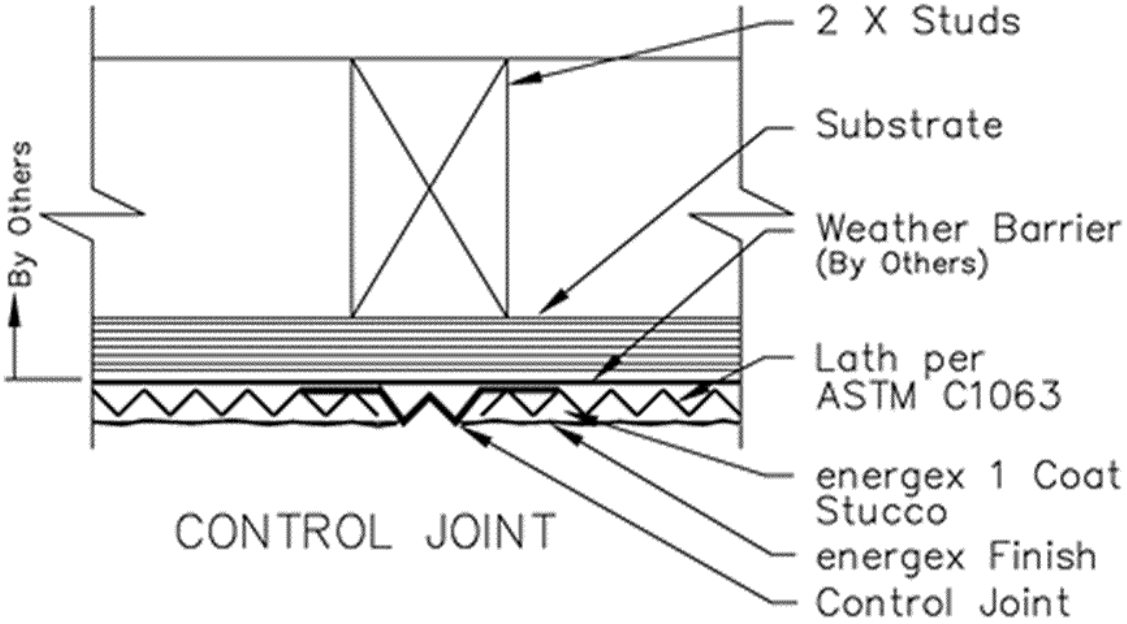
Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

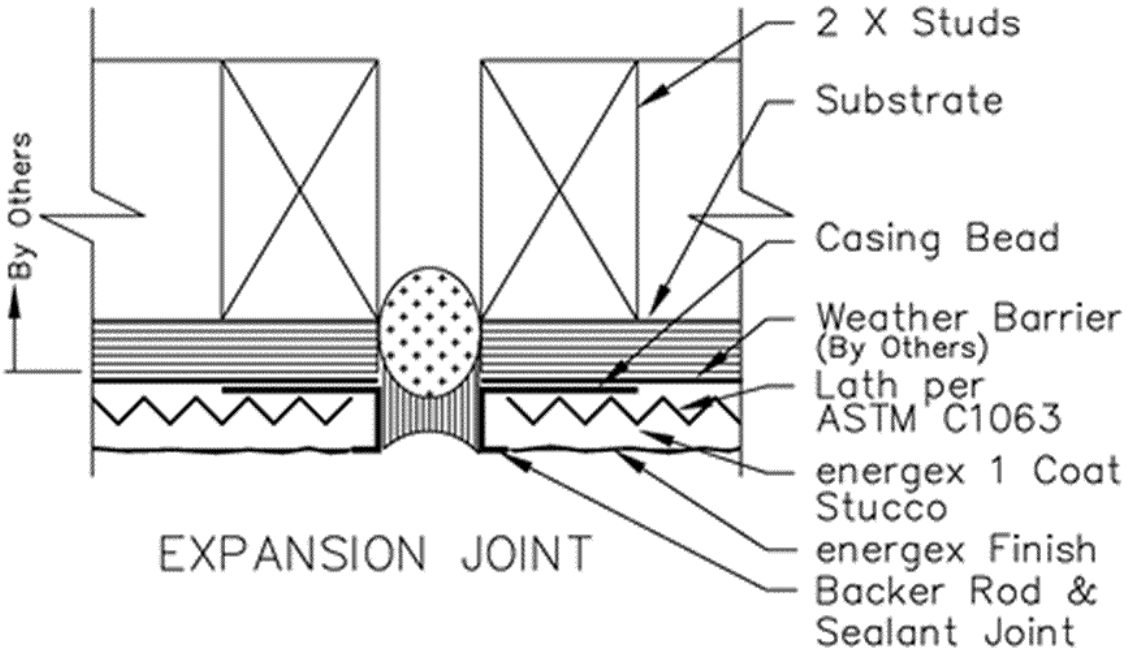
AESTHETIC EPS FEATURES



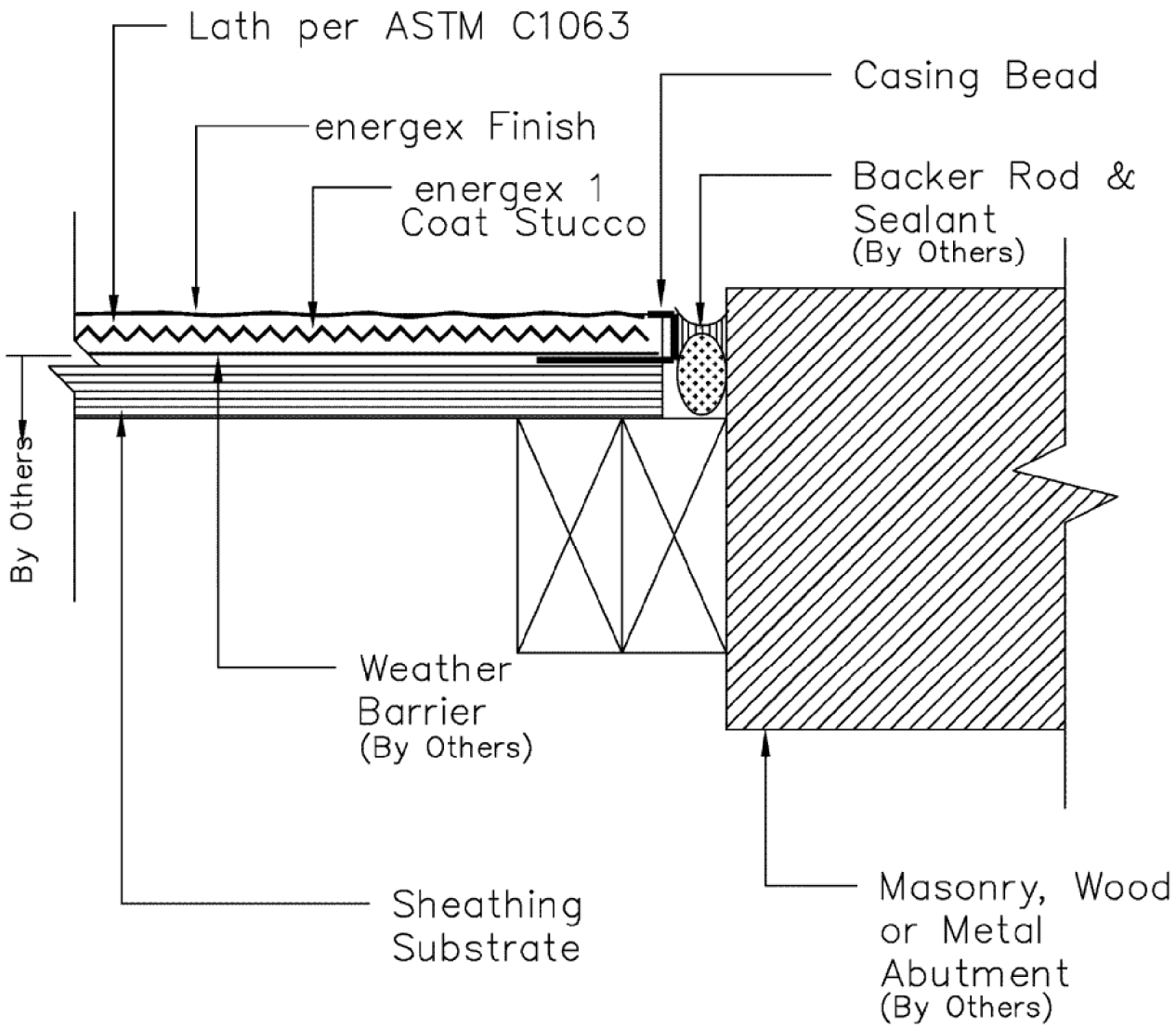
(Feather Base Coat onto energex 1 Coat Stucco)

CONTROL JOINT AND EXPANSION JOINT

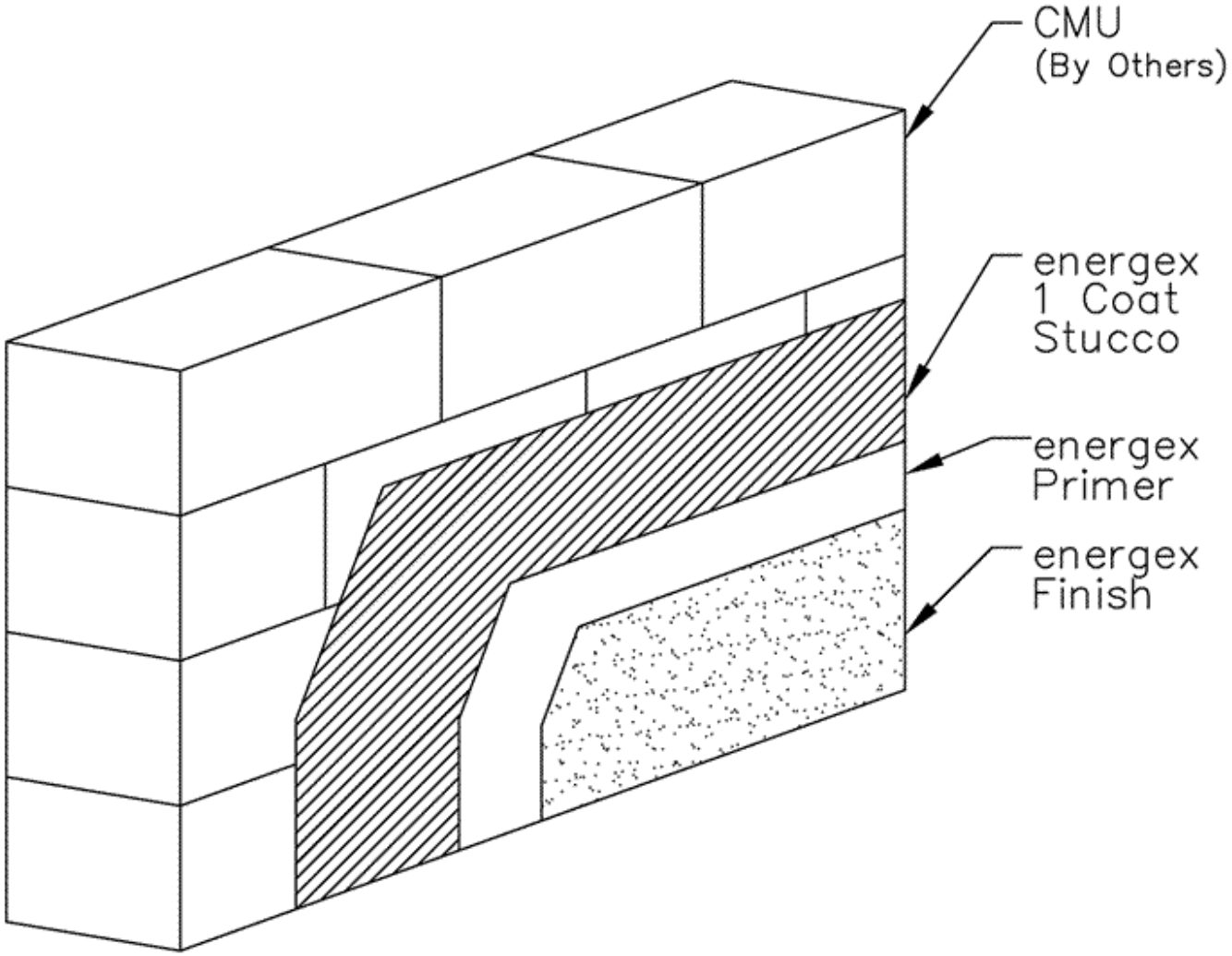




PLASTER GROUND DETAIL

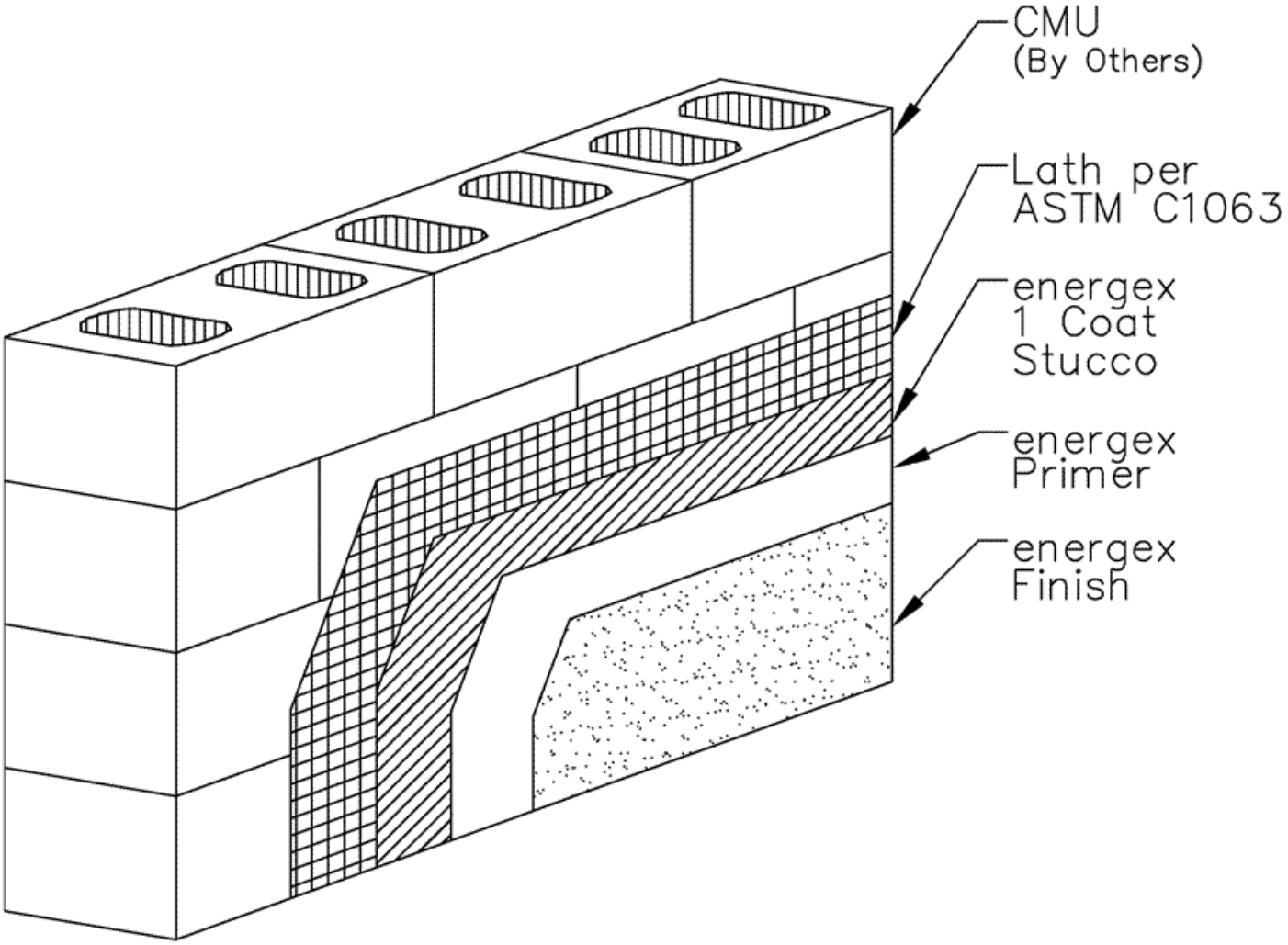


OVER CMU


CMU
(By Others)
energex
1 Coat
Stucco
energex
Primer
energex
Finish

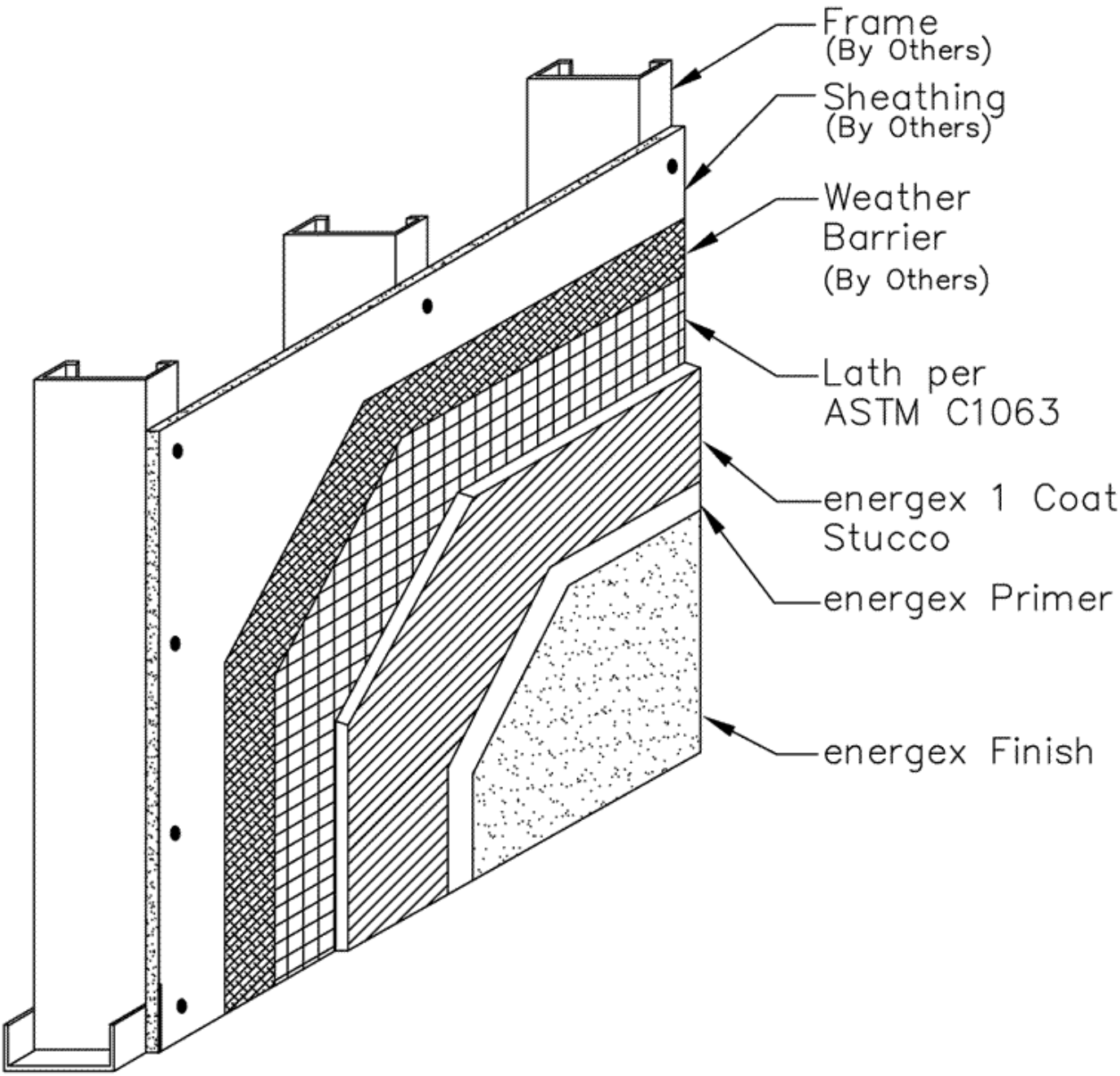
ONE-COAT STUCCO

OVER CMU WITH LATH



ONE-COAT STUCCO

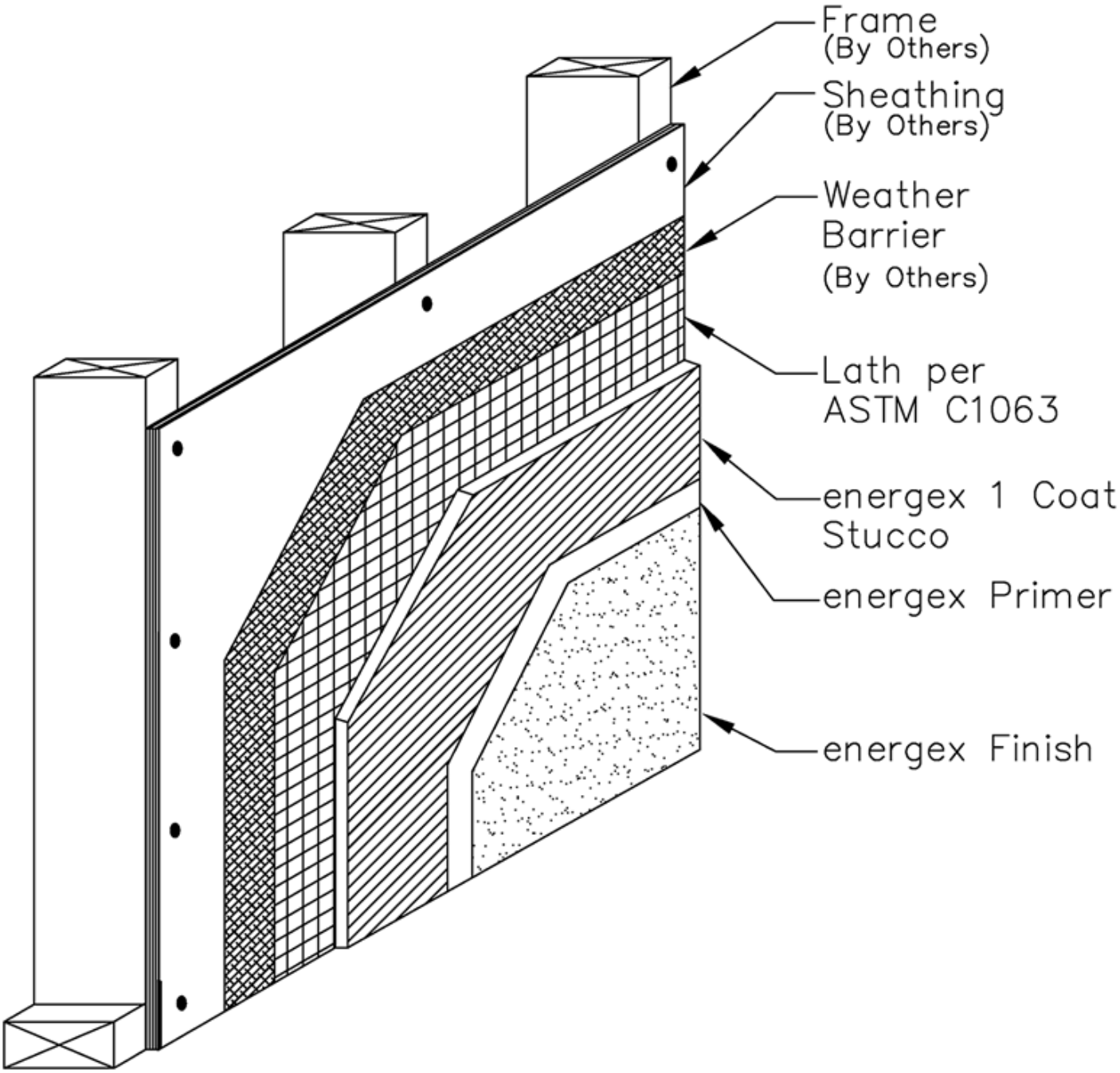
OVER STEEL FRAME



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

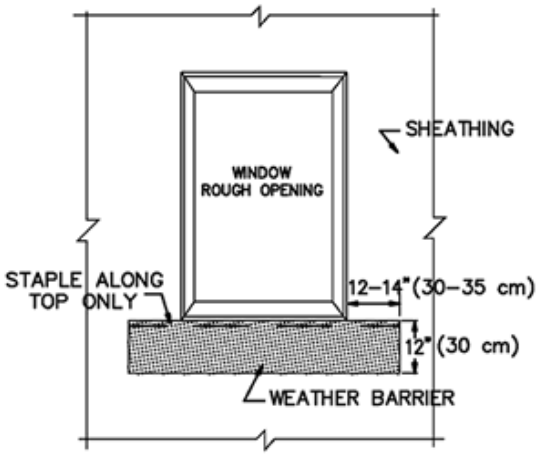
ONE-COAT STUCCO

OVER WOOD FRAME



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

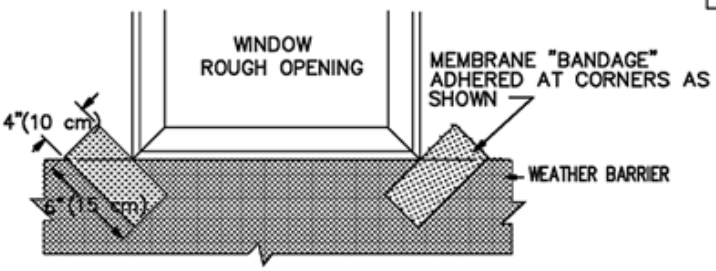
FLASHING ROUGH WINDOW OPENING —PART A



BUILDING PAPER UNDER SILL

STEP 1

Cut weather barrier to approximate size shown and staple into place at bottom of the rough opening. IMPORTANT! weather barrier should only be stapled along the top edge.

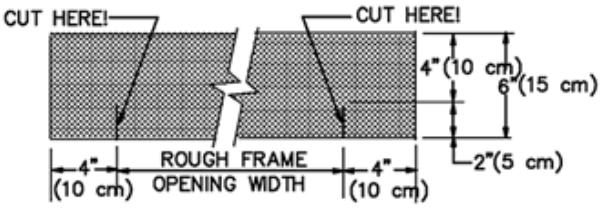


INSTALLING MEMBRANE "BANDAGES"

STEP 2

Cut "bandages" to approximate size indicated.

Peel protective backer from membrane and install diagonally at sill corners as shown. Sheathing or weather barrier should not be visible at the corners of the rough opening.

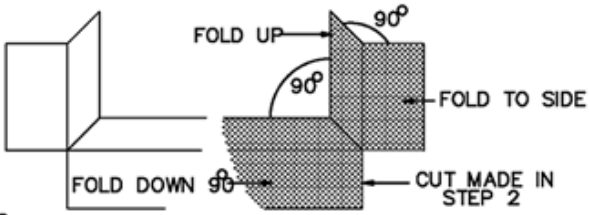


CUTTING FLASHING MEMBRANE

STEP 3

Cut a piece of flashing membrane 8"(20 cm) longer than the rough opening width. make two small cuts 2"(5 cm) long through the membrane as shown.

NOTE: 2"x 6"(5 x 15 cm) framing requires 12"(30 cm) wide flashing membrane.Cuts made in the membrane should be 6"(15 cm) long.



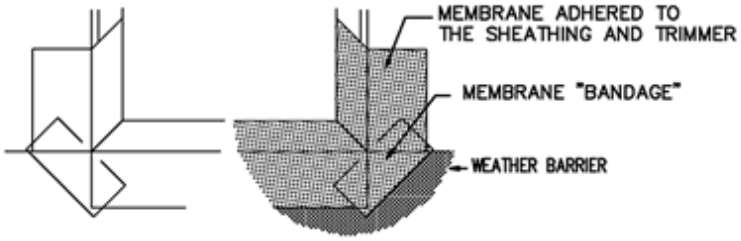
FOLDING FLASHING MEMBRANE

STEP 4

Fold membrane to conform with rough opening. Peel protective backer from membrane, to expose adhesive.

Note: Weather barrier and flashing membrane by others.

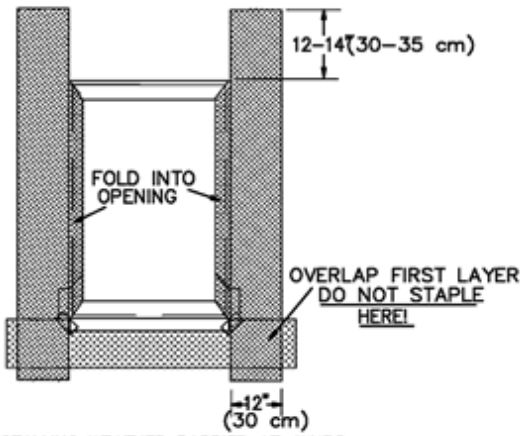
FLASHING ROUGH WINDOW OPENING -PART B



INSTALLING THE FLASHING MEMBRANE

STEP 5

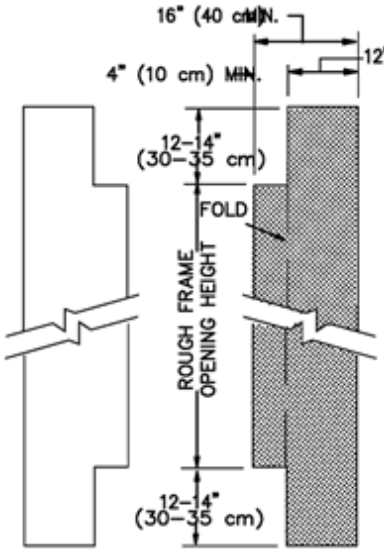
Install the "self sticking" membrane at the rough opening. Membrane should lap over the previously installed "bandages" and weather barrier



INSTALLING WEATHER BARRIER AT JAMBS

STEP 7

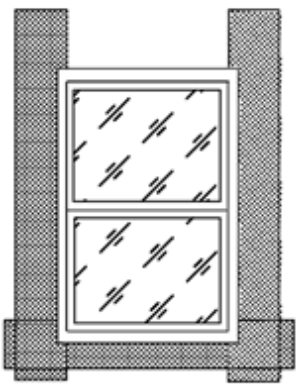
Fold weather barrier into rough opening. Bottom leg must overlap first layer as shown. Do not staple immediately below the sill/ jamb corners.



CUTTING WEATHER BARRIER FOR JAMBS

STEP 6

Cut weather barrier to fit rough opening jamb.



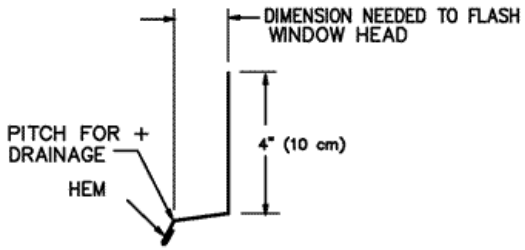
INSTALLING WINDOW

STEP 8

After the strips of weather barrier have been installed at the sill and jambs as shown, the window can be installed.

Note: Weather barrier and flashing membrane by others

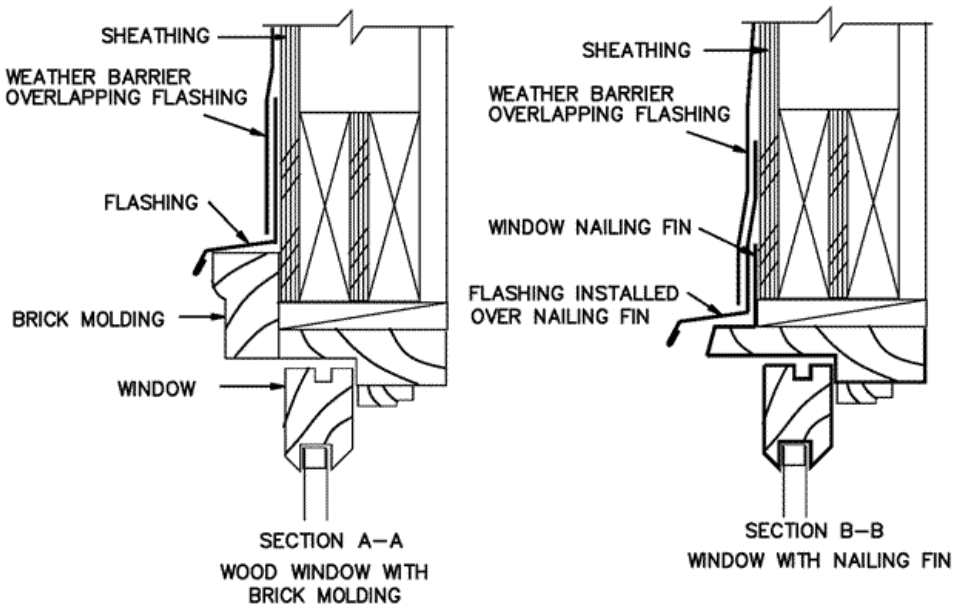
FLASHING ROUGH WINDOW OPENING -PART C



METAL FLASHING PROFILE

STEP 9

Flashing should be fabricated in the profile shown.



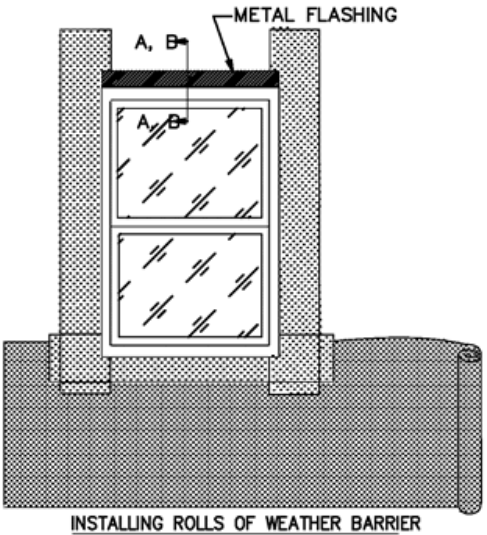
INSTALLATION OF METAL FLASHING

STEP 10

Length of the flashing is dependent on the type of window used. Sections A–A and B–B illustrate two types of windows. Flashing should be installed as illustrated. for any unusual condition please contact energex Technical Services.

Note: Weather barrier and flashing membrane by others.

FLASHING ROUGH WINDOW OPENING -PART D

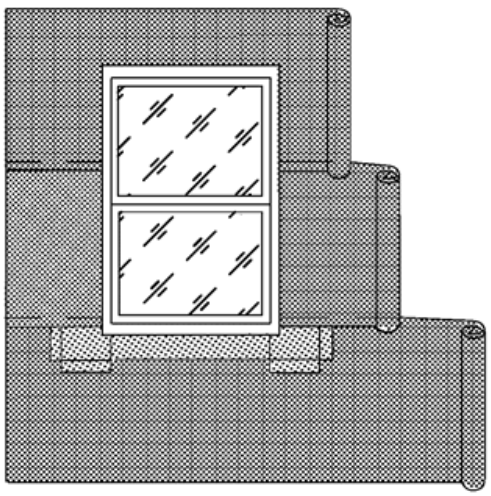


INSTALLING ROLLS OF WEATHER BARRIER

STEP 11

Install rolls of weather barrier horizontally in a shingle fashion. Each succeeding course should overlap the previous course by 2" (5 cm) minimum.

NOTE: The strips of weather barrier previously installed at the sill overlaps the horizontally installed rolled weather barrier below the sill for positive drainage.



INSTALLING ROLLS OF WEATHER BARRIER (CONTINUED)

STEP 12

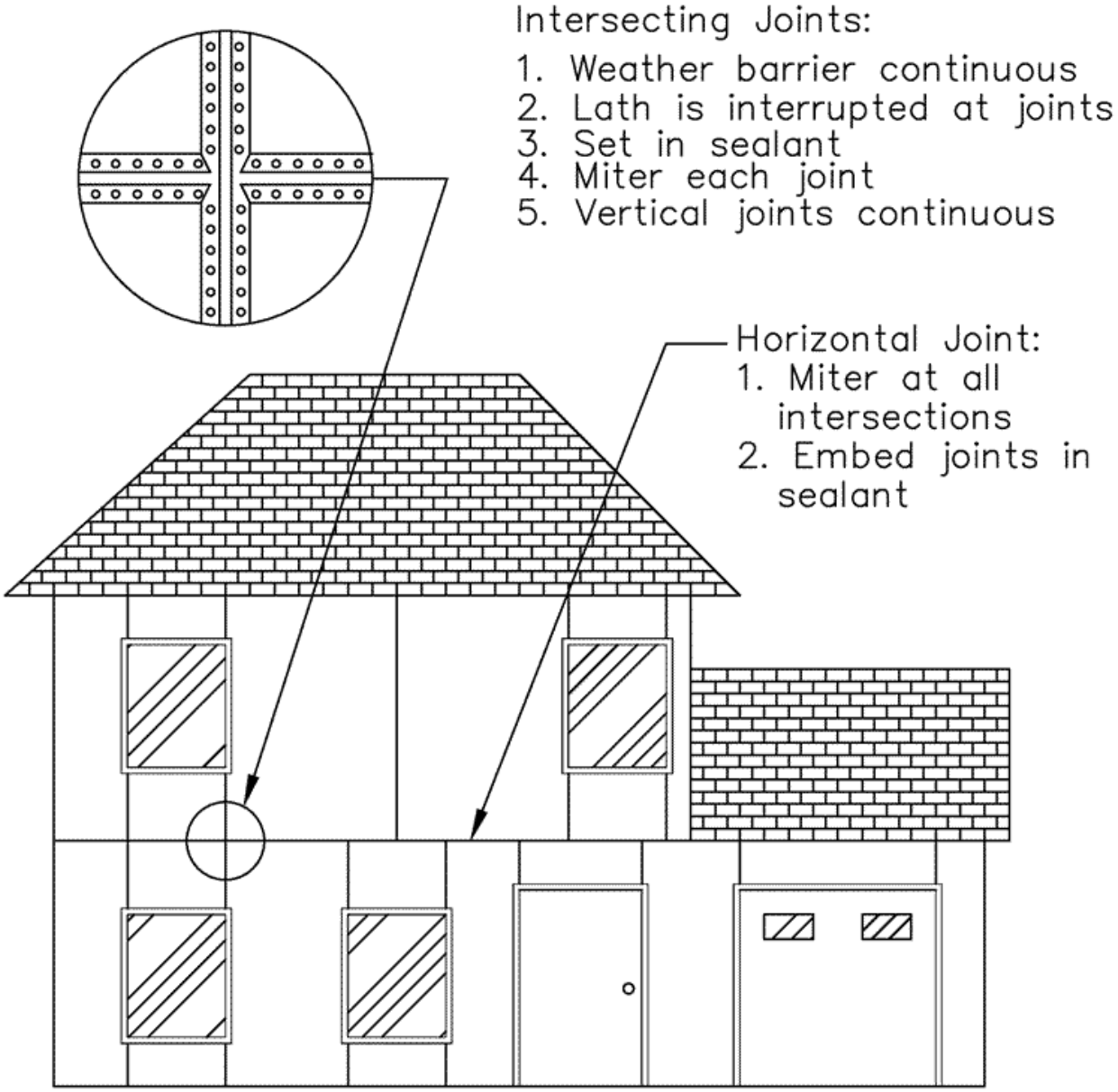
Continue to lap each succeeding course as illustrated for positive drainage.

Where vertical splices occur, lap the weather barrier a minimum of 6" (15 cm). Vertical splices in the weather barrier should not occur within 2 feet (61 cm) of the window jambs.

Note that the succeeding courses lap over the remainder of the weather barrier strips and the metal flashing at the head.

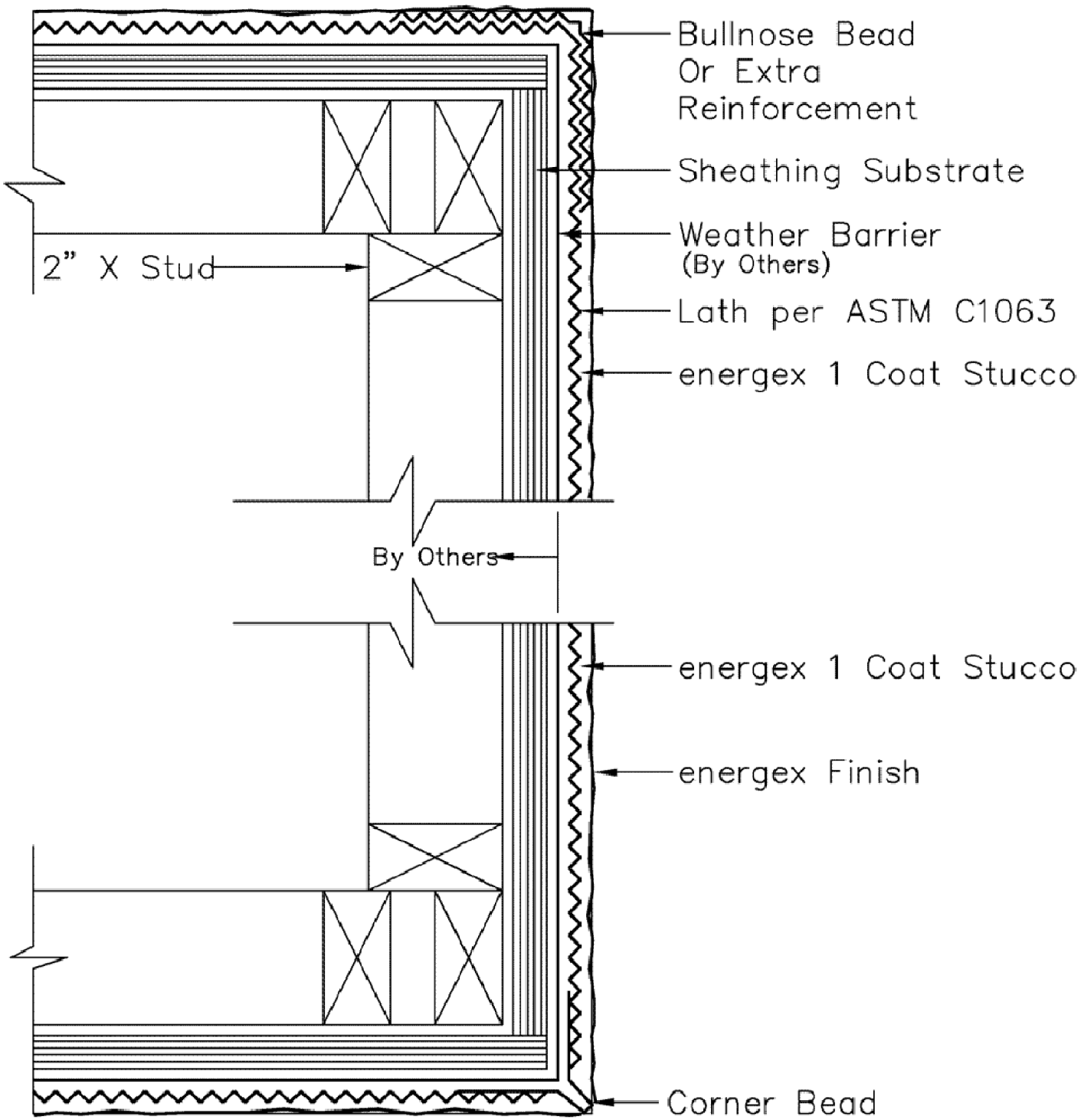
Note: Weather barrier and flashing membrane by others.

TYPICAL EXPANSION AND CONTROL JOINT LOCATION



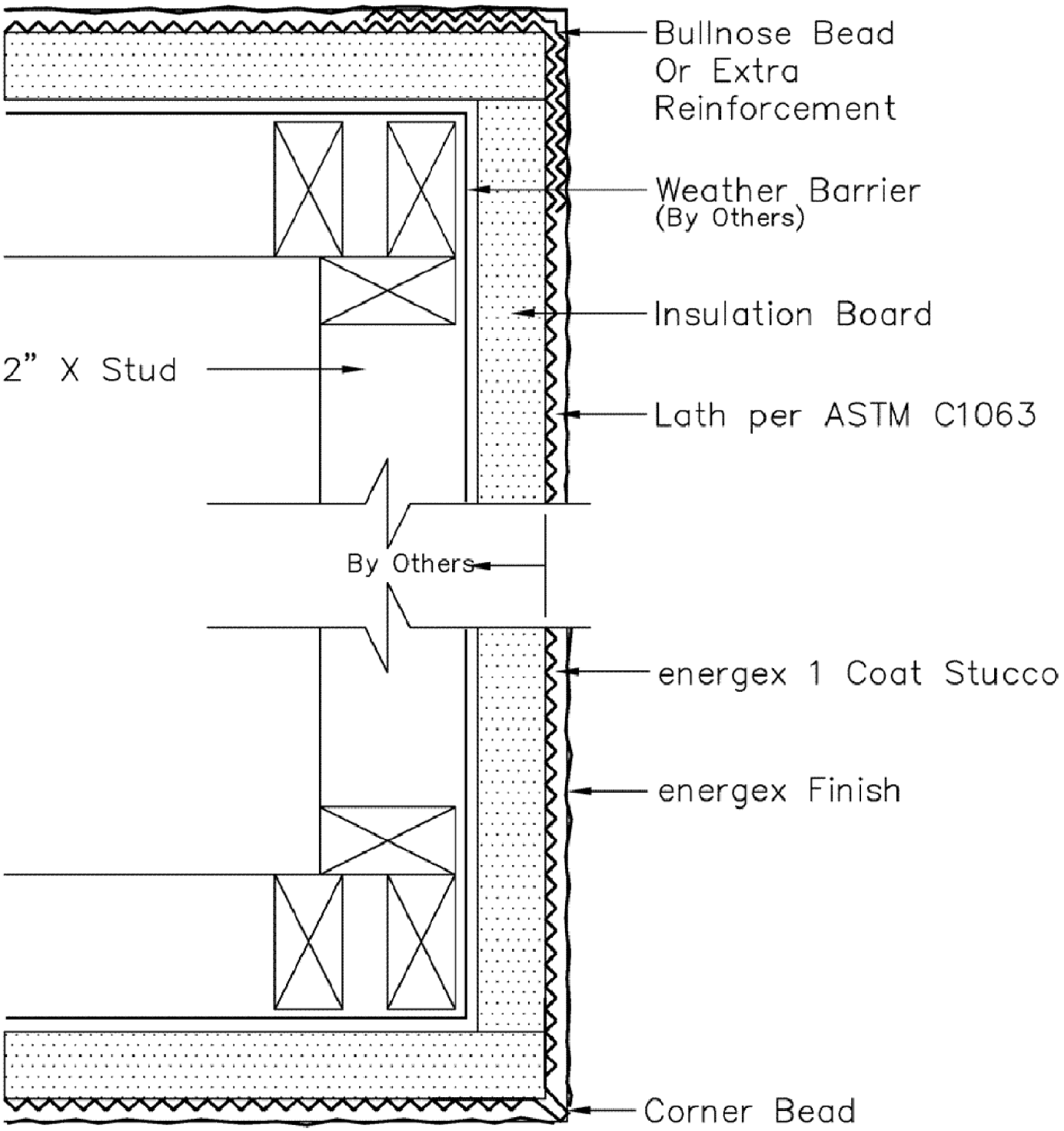
Notes:
1. Joints to be installed in accordance with ASTM C926 & C1063
2. Maximum panel size between expansion joints is 144 sq. ft.
3. No one dimension exceeding 18 feet, and no one dimension exceeding the other by more than 2–1/2 times.

BULLNOSE CORNER – SQUARE CORNER



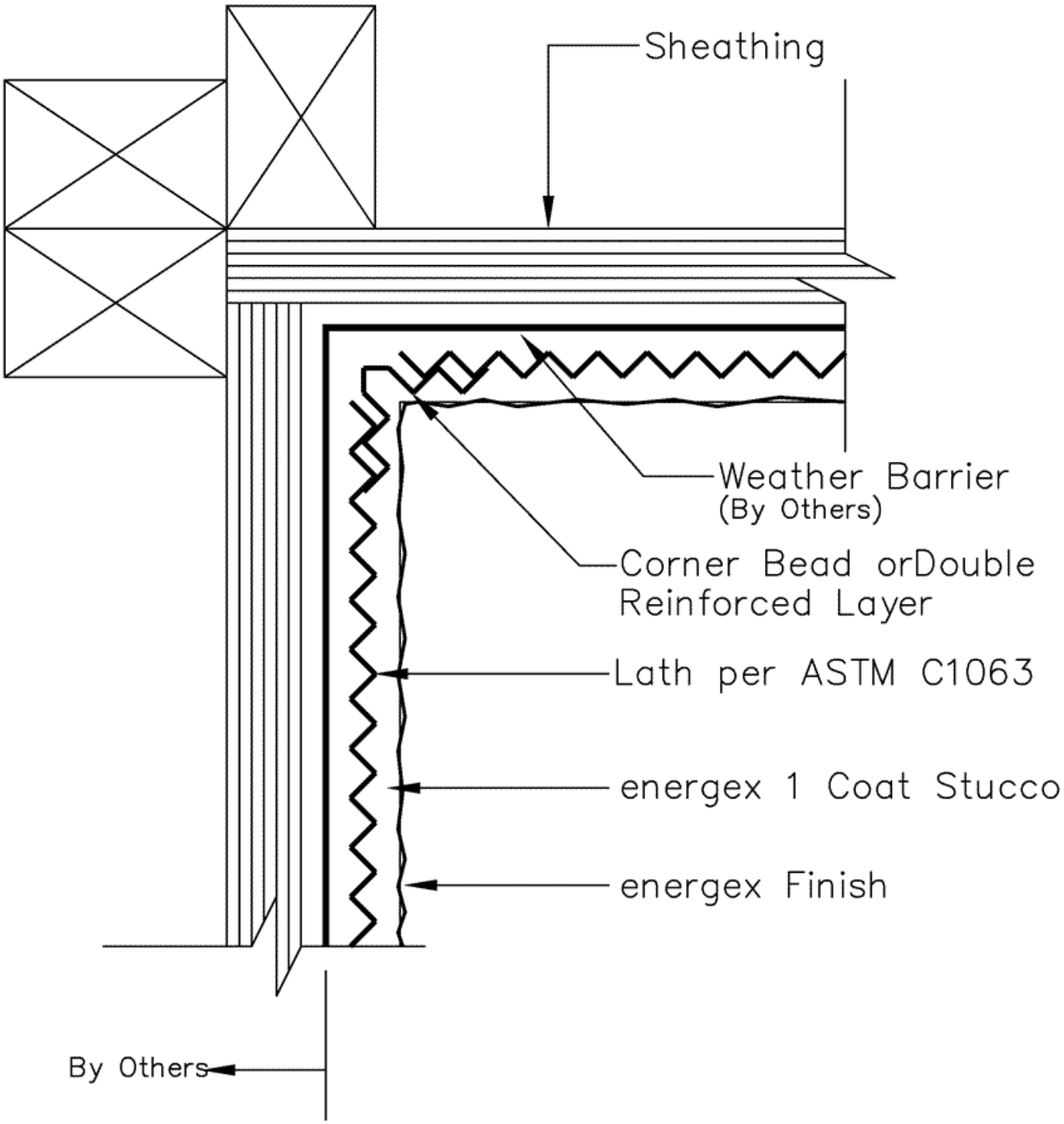
Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

BULLNOSE CORNER - SQUARE CORNER ON INSULATION BOARD



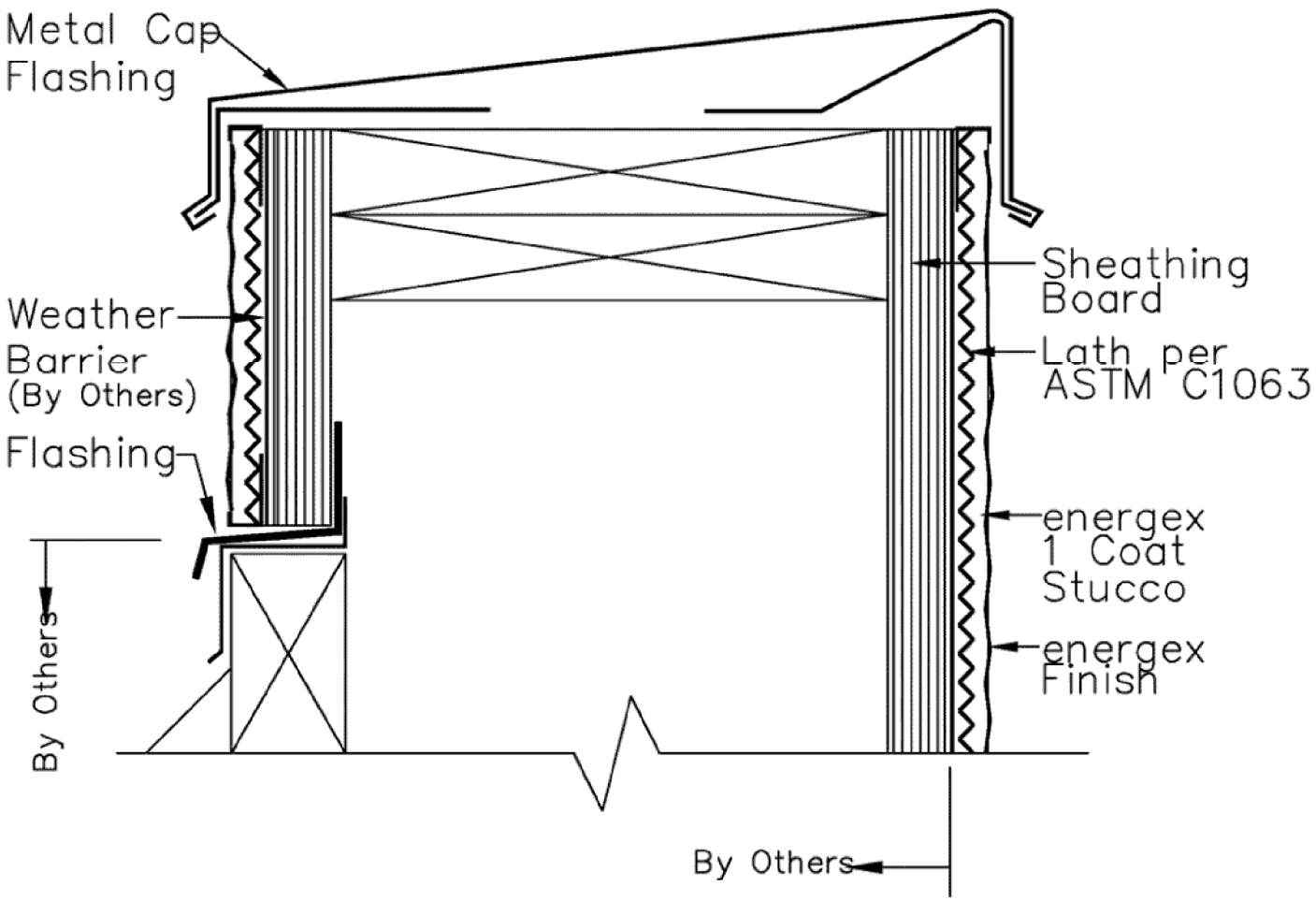
Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

INSIDE CORNER



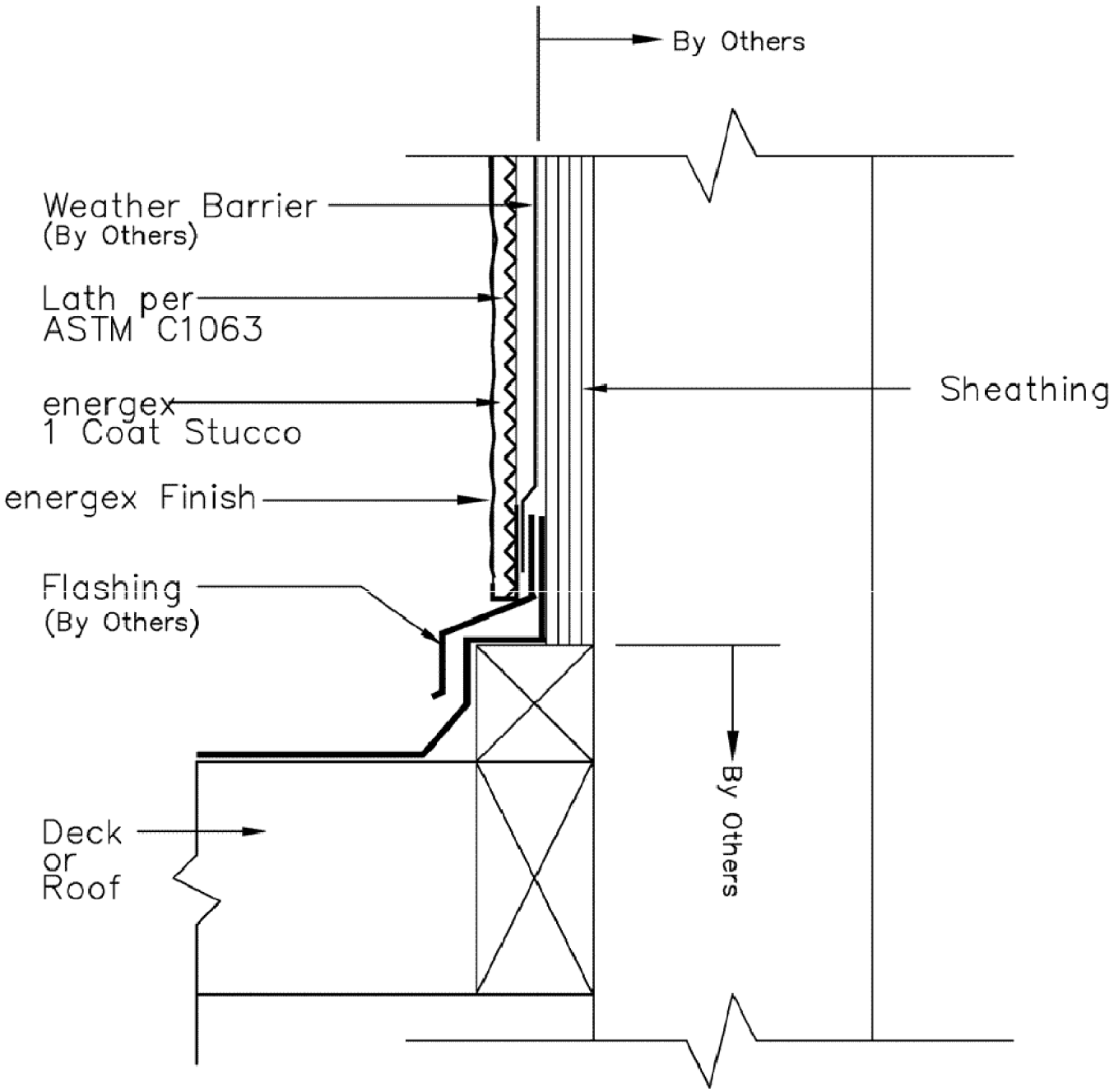
Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

WOOD FRAME- DOUBLE FACED PARAPET



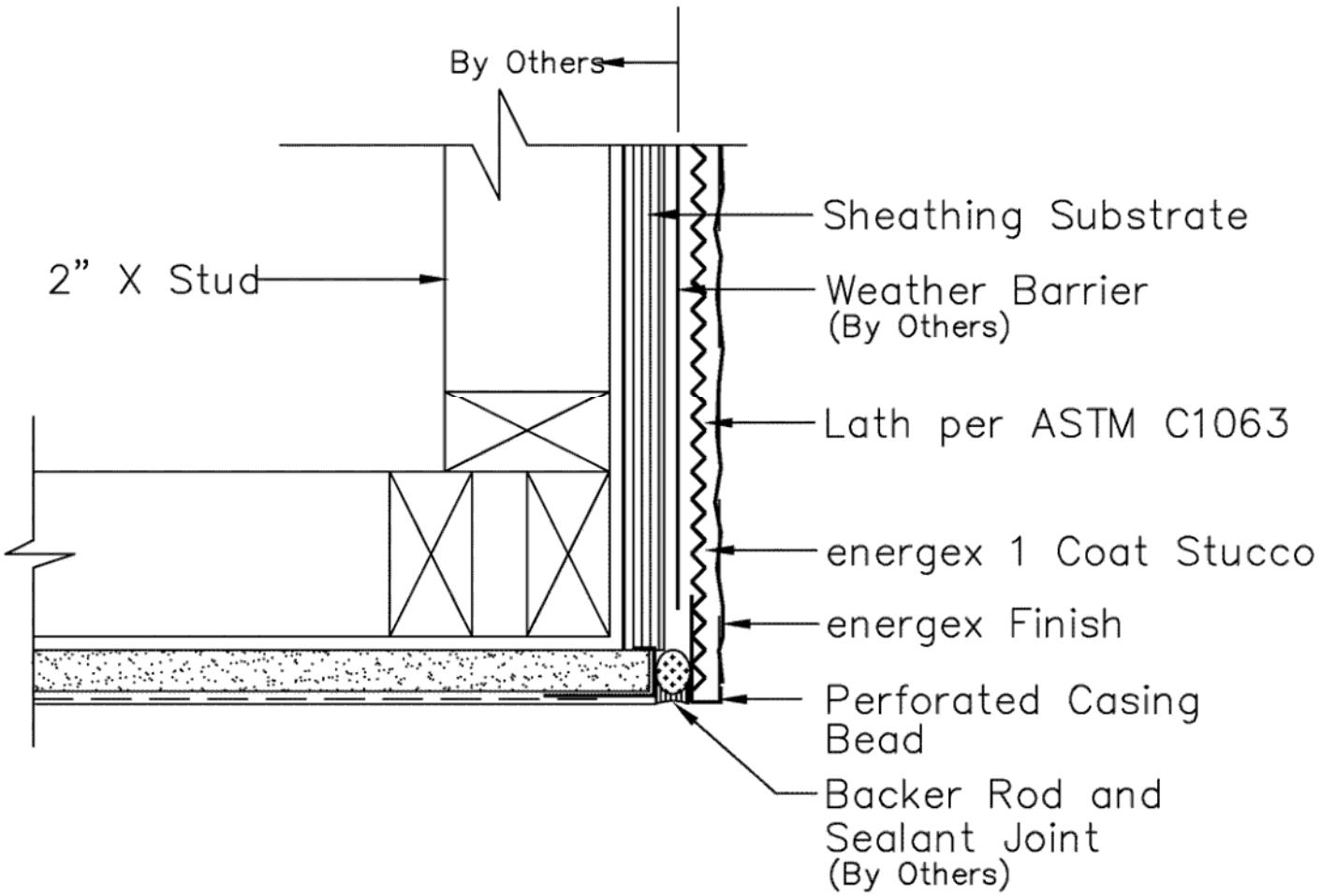
Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

TERMINATION AT DECK OR GABLE FLASHING

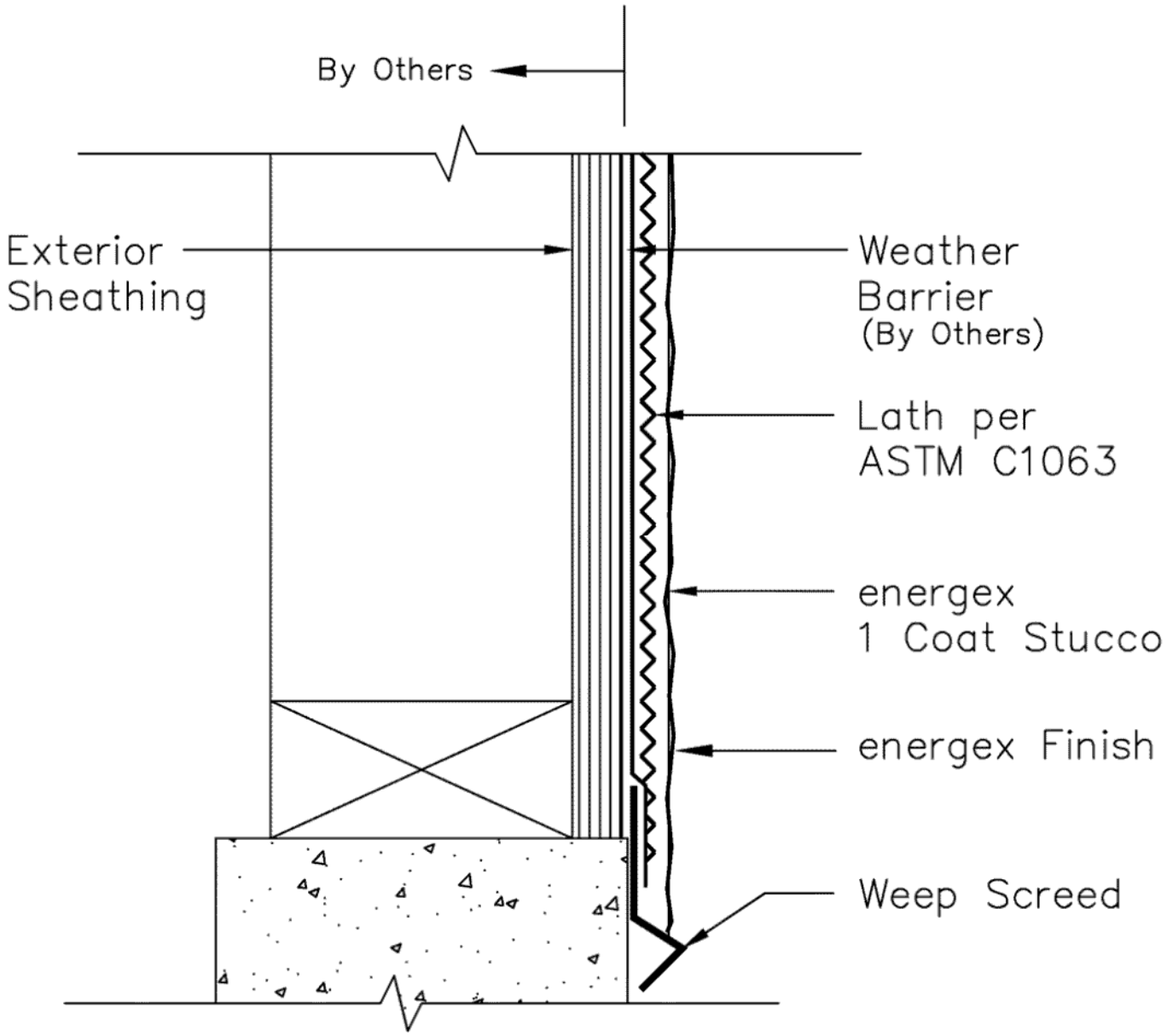


Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

FASCIA/SOFFIT JOINT

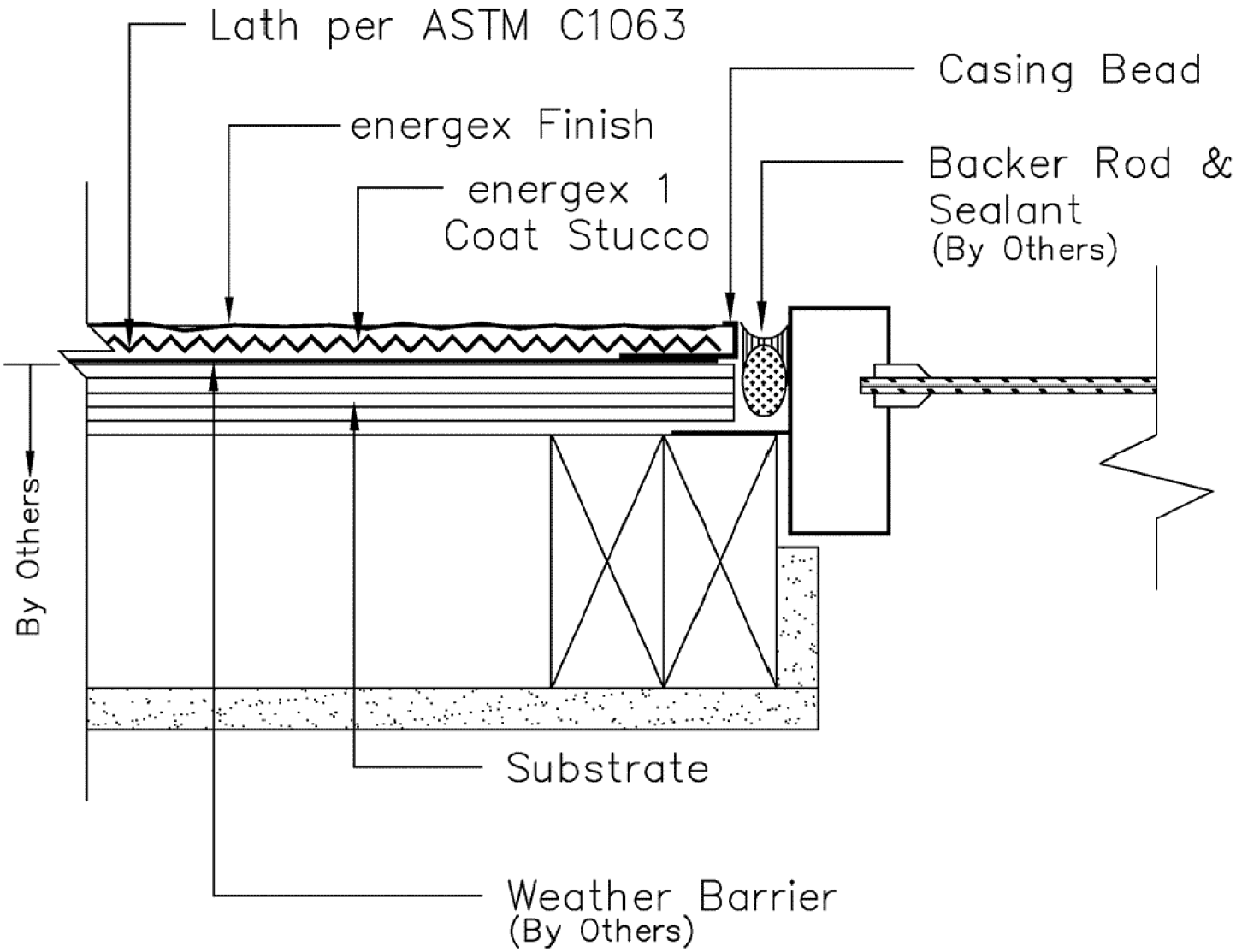


TERMINATION AT SHEATHED FRAME BASE

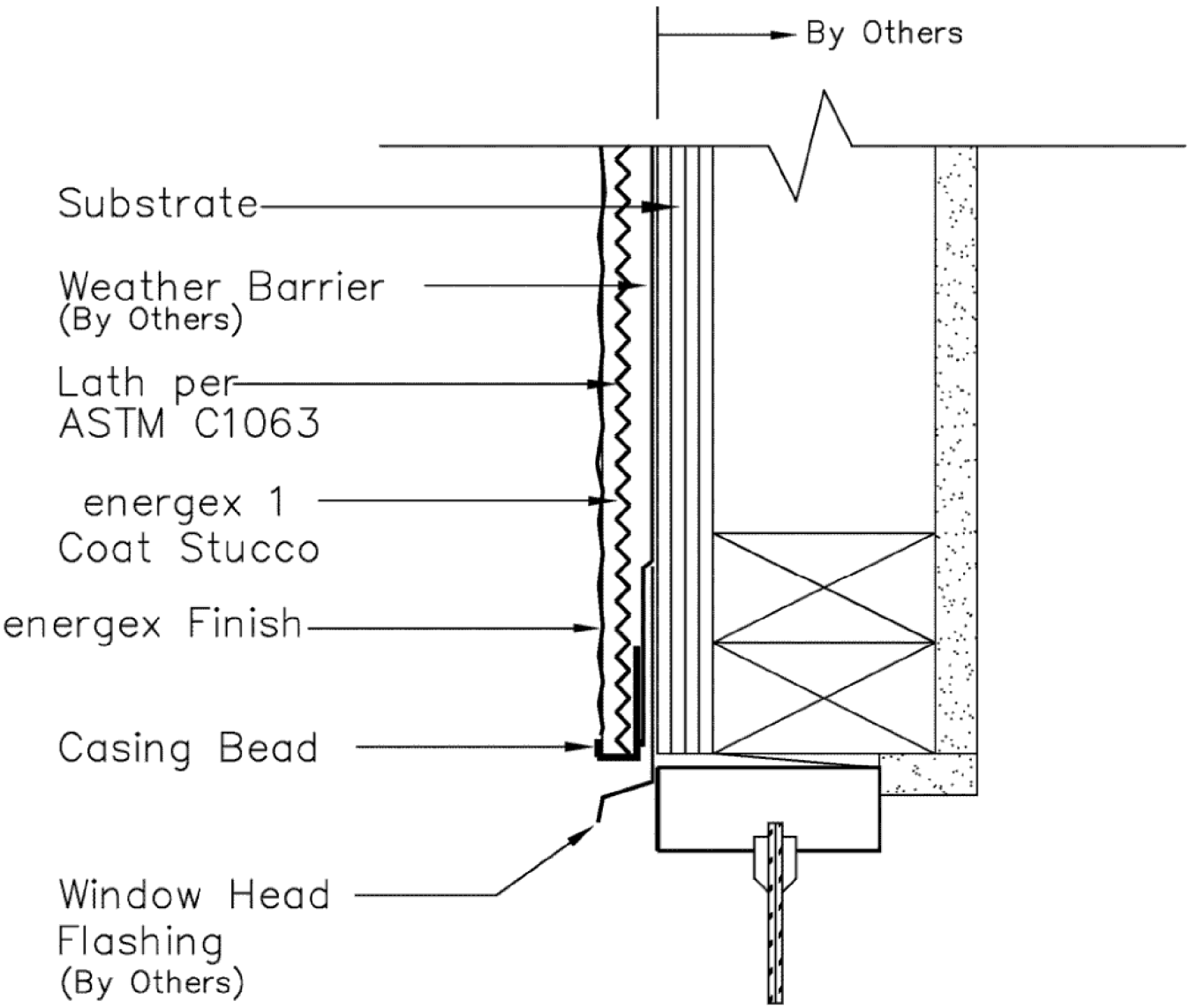


Details shown are *suggested* details and should be reviewed by design professionals for your specific application.

WINDOW JAM - NO INSULATION BOARD



WINDOW HEAD – NO INSULATION BOARD



WINDOW SILL – NO INSULATION BOARD