CONTINUOUS PIECE OF ZIP BEAD OF SEALANT THE BEAD OF SEALANT ON THE MOUNTING FLANGE AT THE SILL MUST HAVE AT LEAST 2 GAPS AT LEAST 2 INCHES WIDE TO PERMIT

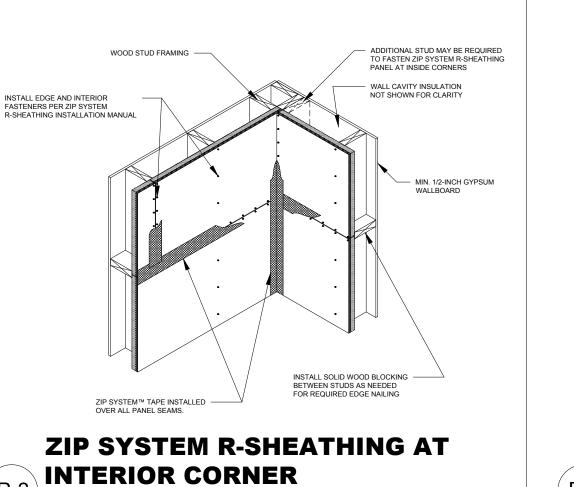


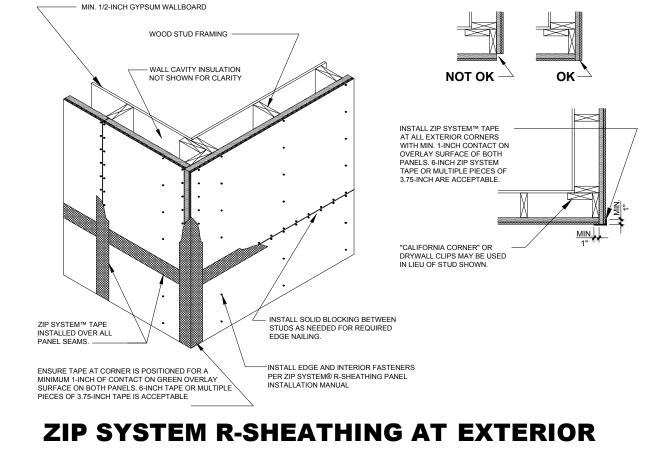
FROM THE INTERIOR, APPLY LOW-PRESSURE

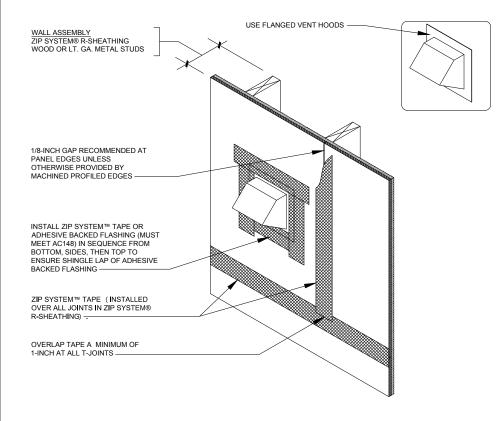
BACKER ROD MAY BE USED IN LIEU O

SYSTEM TAPE, 100% SILICONE, BUTYL AND

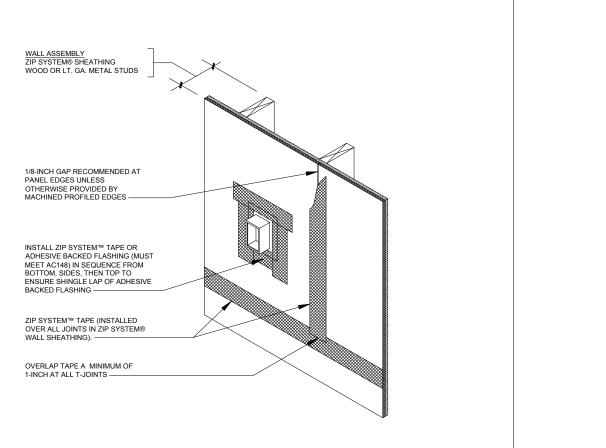
ZIP SYSTEM® R-SHEATHING, TYPICAL DETAILS



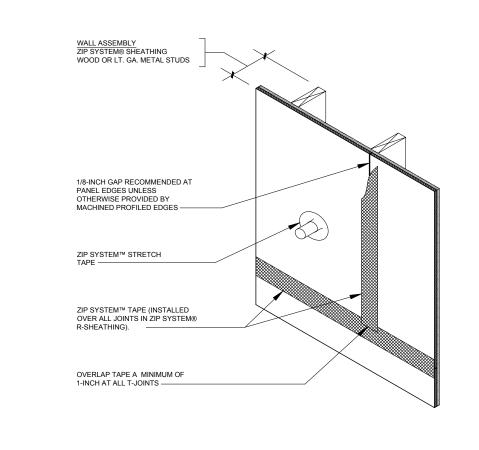




ZIP SYSTEM R-SHEATHING AT TYP MECH. PENETRATION

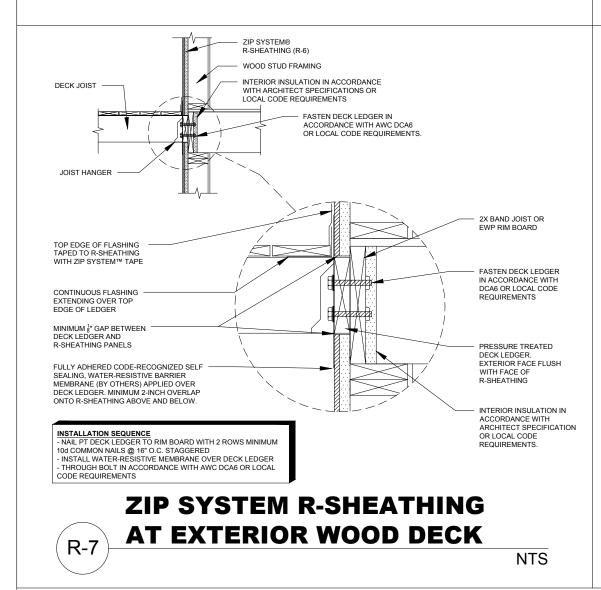






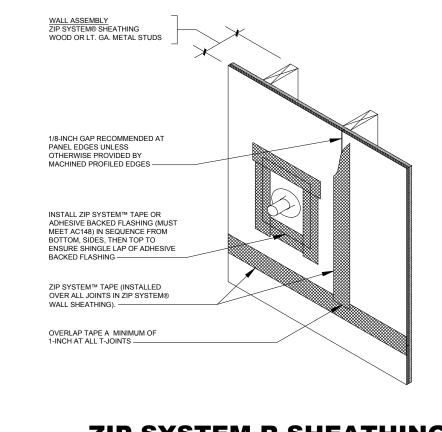
CORNER



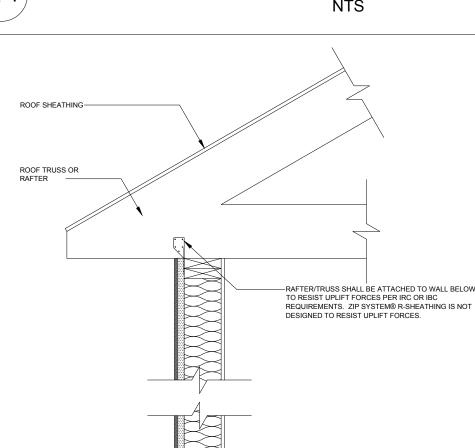


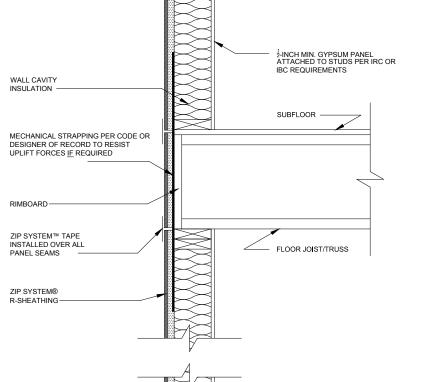


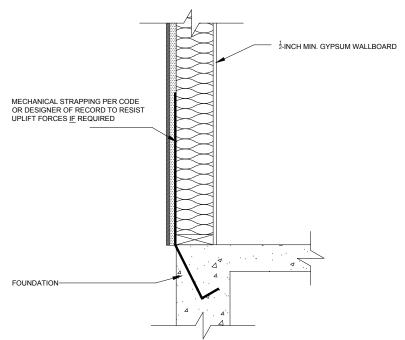
OVERLAP TAPE A MINIMUM OF



ZIP SYSTEM R-SHEATHING AT TYP ROUND PENETRATION









ZIP SYSTEM® R-SHEATHING GENERAL NOTES

ZIP SYSTEM® R-SHEATHING PANELS ARE INSULATED STRUCTURAL SHEATHING PANELS WITH AN INTEGRATED WATER-RESISTIVE BARRIER AND AIR BARRIER. THE PANELS CONSISTS OF A 7/16" WOOD STRUCTURAL PANEL WITH A LAYER OF RIGID FOAM INSULATION BONDED TO THE INTERIOR FACE. ZIP SYSTEM® R-SHEATHING IS CODE RECOGNIZED IN ICC-ES ESR-3373 AS AN ALTERNATE TO THE WATER-RESISTIVE BARRIER REQUIRED IN CHAPTER 14 OF THE IBC AND CHAPTER 7 OF THE IRC AND SATISFIES THE REQUIREMENTS FOR AIR BARRIERS AS DEFINED IN THE ICC INTERNATIONAL ENERGY CONSERVATION CODE. THE RIGID POLYISOCYANURATE FOAM PLASTIC COMPLIES WITH THE ICC-ES ACCEPTANCE CRITERIA FOR FOAM PLASTIC INSULATION (AC12) . ZIP SYSTEM® R-SHEATHING IS ONLY INTENDED FOR

ZIP SYSTEM® R-SHEATHING IS AVAILABLE WITH A 1/2", 1", 1-1/2" OR 2" THICK FOAM INSULATION PANEL. THE OSB WOOD STRUCTURAL PANEL SUBSTRATE IS AVAILABLE IN 7/16" THICKNESS AND CARRIES THE EXPOSURE 1 BOND CLASSIFICATION. THE 7/16" ZIP SYSTEM® SUBSTRATE SATISFIES THE PROVISIONS OF U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARD 2 (PS2) PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS AS SPECIFIED IN SECTION 3.0 OF THE EVALUATION REPORT. R-SHEATHING PANELS MAY BE USED AS BRACED WALL PANELS IN ACCORDANCE WITH BRACING METHOD WSP IN THE 2009, 2012 AND 2105 IRC. IT MAY ALSO BE USED IN THE CONSTRUCTION OF WOOD-FRAMED SHEAR WALLS, PER 2009, 2012 AND 2015 IBC. REFER TO TABLE 2 IN ESR-3373 FOR ALLOWABLE SHEAR CAPACITIES FOR ZIP SYSTEM® R-SHEATHING IN SEISMIC DESIGN CATEGORIES A, B AND C. WHEN USED AS STRUCTURAL BRACING IN SDC D0, D1, D2, AND E, PLEASE REFER TO ER-0482. THE ASPECT RATIO FOR ZIP SYSTEM® R-SHEATHING IS CURRENTLY LIMITED TO 2:1 FOR SHEAR WALL APPLICATIONS. THIS ASPECT RATIO LIMITATION ONLY APPLIES TO SHEAR WALLS, NOT PRESCRIPTIVE BRACING METHOD WSP. FASTENER TYPE AND SPACING DO NOT AFFECT THE PERFORMANCE OF ZIP SYSTEM® R-SHEATHING TO FUNCTION AS A WATER-RESISTIVE BARRIER, AIR BARRIER AND EXTERIOR INSULATION. FASTENERS MUST HAVE A MINIMUM 1-1/2. PENETRATION INTO THE WOOD FRAMING WHEN USED AS A BRACING OR SHEAR PANEL.

APPROVED WALL COVERINGS INCLUDE BRICK, VINYL, STONE FIBER CEMENT, WOOD, TRADITIONAL HARD-COAT STUCCO AND ADHERED STONE ON BUILDINGS OF TYPE V CONSTRUCTION AND CONSTRUCTION PERMITTED UNDER THE IRC. REFER TO IRC TABLE R703.15.1 FOR CLADDING WEIGHT REQUIREMENTS.

ZIP SYSTEM® R-SHEATHING IS NOT CODE-RECOGNIZED IN ESR-3373 FOR ROOF APPLICATIONS. DO NOT USE AS ROOF

CAULK SEALANTS COMPATIBLE WITH ZIP SYSTEM® R-SHEATHING AND TAPE ARE POLYURETHANE, BUTYL AND 100% SILICONE. DO NOT USE LATEX CAULKS OR OTHER WATER-BASED SEALANTS WITH ZIP SYSTEM SHEATHING AND TAPE. ZIP SYSTEM LIQUID FLASH IS FULLY COMPATIBLE WITH ZIP SYSTEM R-SHEATHING.

FOR USE IN FIRE-RATED WALL ASSEMBLIES, ZIP SYSTEM® R-SHEATHING IS RECOGNIZED IN UL DESIGN NO. V302, V303 AND V318. IT MAY NOT BE USED AS A SUBSTITUTE FOR CONVENTIONAL WOOD STRUCTURAL PANELS IN FIRE-RATED WALL ASSEMBLIES SPECIFYING "WOOD STRUCTURAL PANELS."

FASTENING REQUIREMENTS FOR PRESCRIPTIVE BRACING^{1, 2} AND ENGINEERED SHEAR WALL DESIGN³

| ZIP System® R-sheathing Type | FRAMING ⁴ | | FASTENERS | | | SHEAR VALUES | |
|---------------------------------|-----------------------------|-------------------------------|---|-----------------------------|--|---|--|
| | Nominal Stud Size (min.) | Maximum Stud Spacing (in.) | Fastener Specifications ⁵ | Edge/Field Spacing (in.) | Minimum Penetration into Framing (in.) | Allowable Seismic Controlled Shear Values ^{6, 8} (plf) | Allowable Wind Controlled Shea Values ⁶ (plf) |
| R-3 | 2-by-4 | 24 | 0.131" shank nails | 4/12 | 1.5 | 245 | 343 |
| R-3 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 280 | 393 |
| R-3 | 2-by-4 | 16 | 16ga staples, 7/16" crown, 2" length | 3/6 | 1.0 | 210 | 294 |
| R-6 | 2-by-4 | 24 | 0.131" shank nails | 4/12 | 1.5 | 230 | 322 |
| R-6 | 2-by-4 | 24 | 15ga staples, 7/16" crown, 2.5" length | 3/6 | 1.0 | NA ⁷ | NA |
| R-6 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 255 | 357 |
| R-9 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 240 | 336 |
| R-12 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 215 | 301 |

For SI: Inch = 25.4mm; 1 pound per foot (ppf) = 14.59 N/m. 1 Prescriptive bracing requirements with Douglas Fir-Larch Framing under the 2015, 2012, and 2009 IRC.

2 Not approved for use as prescriptive wall bracing where wind design is required by R301.2.1.1. 3 Engineered shear wall requirements with Douglas Fir-Larch Framing under the 2015, 2012, and 2009 IBC

the framing lumber in accordance with the ANSI/AWC NDS. This adjustment factor must not be greater than 1.

5 Fasteners must be common nails or equivalent, or staples, of a type generally used to attach wood sheathing. 6 The shearwalls must have a maximum height-to-width aspect ratio of 2:1.

7 This panel and fastening configuration is only applicable to the prescriptive bracing requirements under the 2015 IRC. 8 ZIP System R-sheathing used as the lateral resistance system in seismic zones D₀,D₁, D₂ and E should be designed in accordance to ER-482

ZIP SYSTEM® R-SHEATHING - INSTALLATION INSTRUCTIONS

1. INSTALL ZIP SYSTEM® R-SHEATHING PANELS WITH THE WATER-RESISTIVE BARRIER FACING OUT. PANELS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY. INSTALL BLOCKING PER LOCAL CODE REQUIREMENTS.

2. FASTEN THE PANELS TO THE FRAMING IN ACCORDANCE WITH THE FASTENING REQUIREMENTS OF THE ZIP SYSTEM® R-SHEATHING INSTALLATION MANUAL.

3. TAPE ALL SEAMS USING ZIP SYSTEM™ TAPE ENSURING THE TAPE IS CENTERED OVER THE SEAM WITHIN ±1/2". USE THE ZIP SYSTEM TAPE GUN OR J-ROLLER TO APPLY ADEQUATE PRESSURE AND SMOOTH OUT ANY WRINKLES.

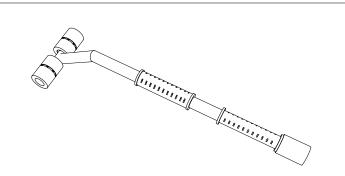
4. VERTICAL OR HORIZONTAL TAPE SPLICES SHOULD OVERLAP A MIN. 3". AT T-JOINTS, THE TAPE PIECES SHOULD OVERLAP A MIN. 1".

5. THE DETAILS SHOWN ON THIS PAGE ARE TYPICAL AND FOR GENERAL PURPOSE. FOR MORE INFORMATION ABOUT OTHER FINISHED WALL COVERINGS AND APPLICATIONS OR TO VIEW THE INSTALLATION MANUAL, VISIT WWW.ZIPSYSTEM.COM FOR A LIBRARY OF DETAILS AND TECHNICAL TIPS.

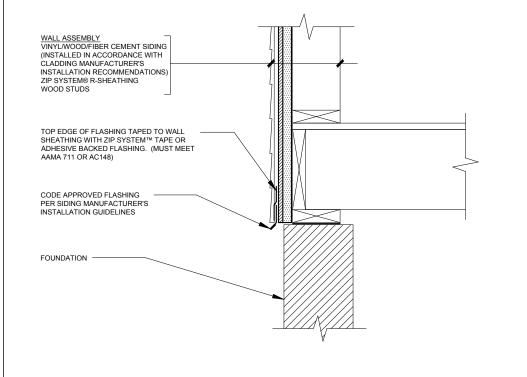


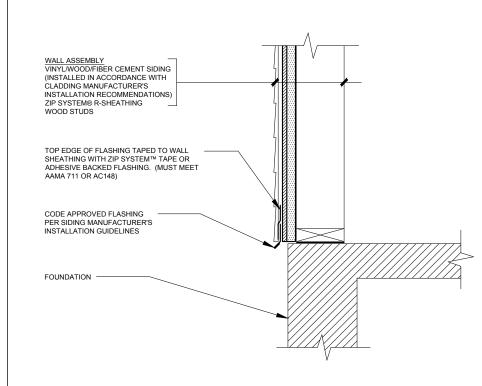
HUBER ENGINEERED WOODS LLC 10925 DAVID TAYLOR DRIVE SUITE 300 CHARLOTTE, NC 28262 1-800-933-9220

ROLLTHETAPE



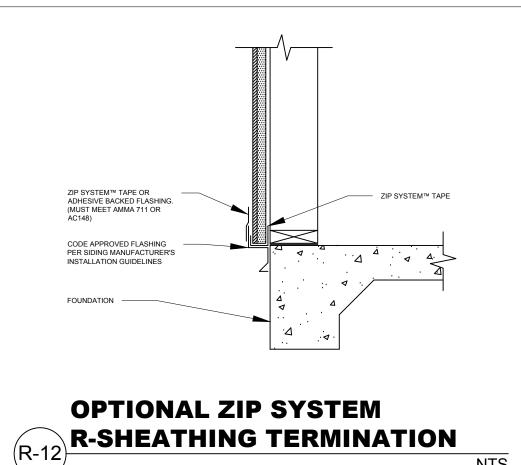
MIN. 1/2-INCH GYPSUM WALLBOARD WALL STUD FRAMING INSTALL SOLID BLOCKING WOOD, FIBER-CEMENT, HARDBOARD R-SHEATHING INSTALLATION MANUAL.

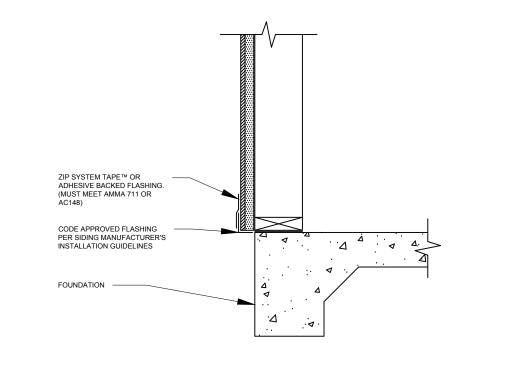






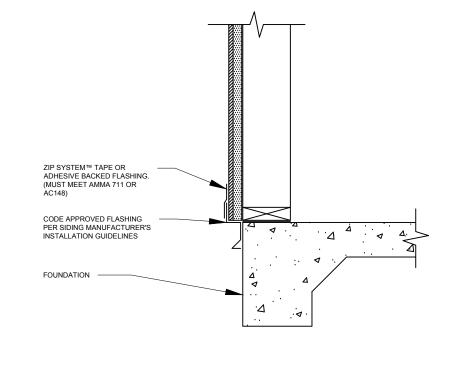
ZIP SYSTEM® R-SHEATHING, CLADDING DETAILS



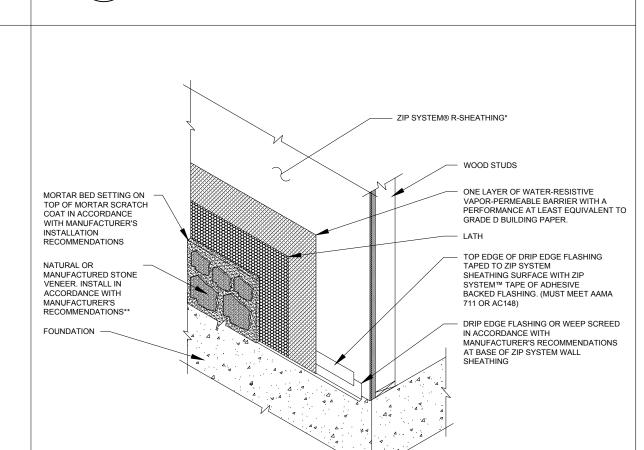


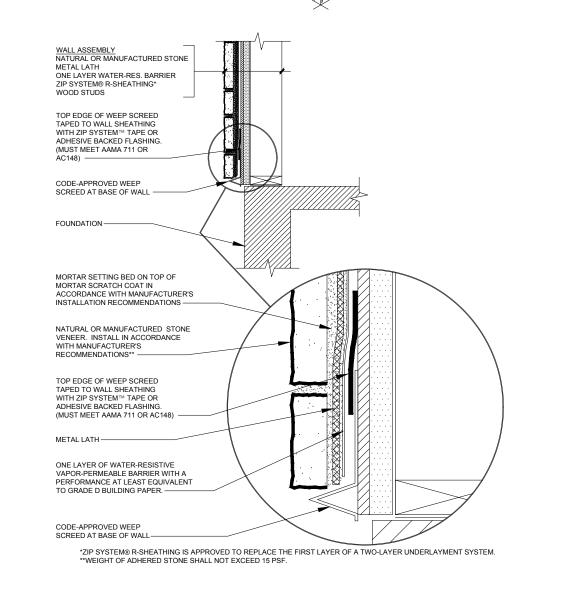
OPTIONAL ZIP SYSTEM

R-SHEATHING TERMINATION

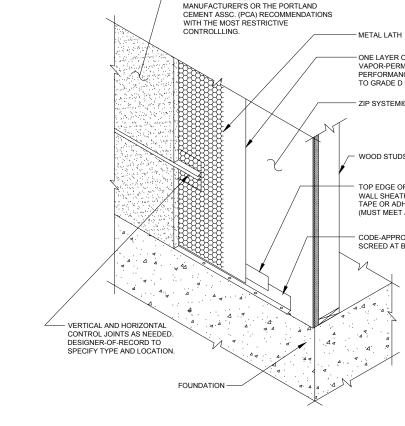


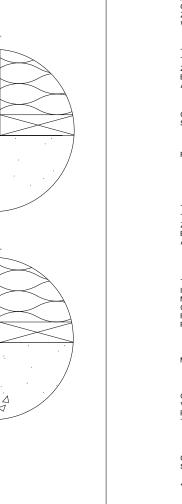
OPTIONAL ZIP SYSTEM R-SHEATHING TERMINATION











ISTALL SOLID BLOCKING

EDGE NAILING ON BACED

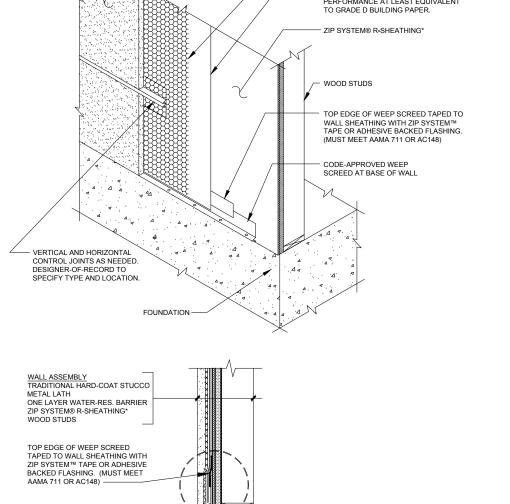
INTERIOR FASTENERS PER ZIP SYSTEM R

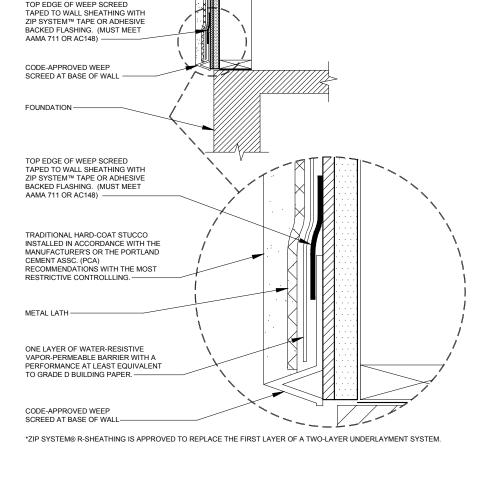


TAPED WITH ZIP
SYSTEM™ TAPE OR
ADHESIVE BACKED
FLASHING, (MUST MEET

NOTE: COORDINATE BRICK LEDGE DIMENSION

TO INCLUDE THICKNESS OF ZIP SYSTEM R-SHEATHING PANEL AS





ZIP SYSTEM R-SHEATHING WITH HARD COAT STUCCO

ZIP SYSTEM®R-SHEATHING GENERAL NOTES

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FASTENING REQUIREMENTS FOR PRESCRIPTIVE BRACING^{1, 2} AND ENGINEERED SHEAR WALL DESIGN³

| | FRAMING⁴ | | FASTENERS | | | SHEAR VALUES | |
|---------------------------------|-----------------------------|-------------------------------|---|-----------------------------|--|---|---|
| ZIP System® R-sheathing Type | Nominal Stud Size (min.) | Maximum Stud Spacing (in.) | Fastener Specifications ⁵ | Edge/Field Spacing (in.) | Minimum Penetration into Framing (in.) | Allowable Seismic Controlled Shear Values ^{6, 8} (plf) | Allowable Wind Controlled Shear Values ⁶ (plf) |
| R-3 | 2-by-4 | 24 | 0.131" shank nails | 4/12 | 1.5 | 245 | 343 |
| R-3 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 280 | 393 |
| R-3 | 2-by-4 | 16 | 16ga staples, 7/16" crown, 2" length | 3/6 | 1.0 | 210 | 294 |
| R-6 | 2-by-4 | 24 | 0.131" shank nails | 4/12 | 1.5 | 230 | 322 |
| R-6 | 2-by-4 | 24 | 15ga staples, 7/16" crown, 2.5" length | 3/6 | 1.0 | NA ⁷ | NA |
| R-6 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 255 | 357 |
| R-9 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 240 | 336 |
| R-12 | 2-by-4 | 24 | 0.131" shank nails | 3/12 | 1.5 | 215 | 301 |

1 Prescriptive bracing requirements with Douglas Fir-Larch Framing under the 2015, 2012, and 2009 IRC. 2 Not approved for use as prescriptive wall bracing where wind design is required by R301.2.1.1.

3 Engineered shear wall requirements with Douglas Fir-Larch Framing under the 2015, 2012, and 2009 IBC the framing lumber in accordance with the ANSI/AWC NDS. This adjustment factor must not be greater than 1.

5 Fasteners must be common nails or equivalent, or staples, of a type generally used to attach wood sheathing. 6 The shearwalls must have a maximum height-to-width aspect ratio of 2:1.

7 This panel and fastening configuration is only applicable to the prescriptive bracing requirements under the 2015 IRC. 8 ZIP System R-sheathing used as the lateral resistance system in seismic zones D₀,D₁, D₂ and E should be designed in accordance to ER-482.

ZIP SYSTEM® R-SHEATHING - INSTALLATION INSTRUCTIONS

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4. VERTICAL OR HORIZONTAL TAPE SPLICES SHOULD OVERLAP A MIN. 3". AT T-JOINTS. THE TAPE PIECES SHOULD OVERLAP A MIN. 1".

5. THE DETAILS SHOWN ON THIS PAGE ARE TYPICAL AND FOR GENERAL PURPOSE. FOR MORE INFORMATION ABOUT OTHER FINISHED WALL COVERINGS AND APPLICATIONS OR TO VIEW THE INSTALLATION MANUAL, VISIT WWW.ZIPSYSTEM.COM FOR A LIBRARY OF DETAILS AND TECHNICAL TIPS.



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