

MECHANICAL ATTACHMENT OF R2+ SILVER, R2+ MATTE OR R2+ SHEATHE

TO THIS SUBSTRATE	ADDITIONAL FUNCTIONS	ACCEPTABLE FASTENER PRODUCTS			REQUIREMENTS
		SCREW	WASHER	ADDITIONAL HARDWARE	
STEEL STUDS, 12 TO 20 GAUGE	N/A	<u>SINGLE THREAD, SELF-TAPPING:</u> GRIP-DECK CERAMIC-COATED SELF-TAPPING SCREW BY RODENHOUSE. OR WIND-LOK STEEL SERIES SELF-TAPPING SCREW	<u>PLASTIC, LOW PROFILE:</u> THERMALGRIP CI PRONG WASHERS BY RODENHOUSE OR CI-LOCK WASHERS BY WIND-LOCK	N/A	SCREW SHALL PENETRATE MINIMUM 4 THREADS THROUGH STEEL STUD. CONSULT FASTENER MANUFACTURER FOR CORRECT SCREW SIZE TO ACCOMMODATE INSULATION THICKNESS AND EXTERIOR SHEATHING.
	SECURING METAL LATH		<u>GALVANIZED STEEL PLATE:</u> RODENHOUSE GRIP PLATE SMOOTH OR TABBED METAL WASHER OR WIND-LOK LATH-LOK (TABBED) OR LATH PLATE (SMOOTH)		CONSULT FASTENER MANUFACTURER FOR CORRECT SCREW SIZING TO ACCOMMODATE INSULATION, EXTERIOR SHEATHING AND LATH
	BRICK TIE	<u>SCREW-IN TIE FOR STEEL STUDS:</u> HECKMANN POS-I-TIE OR H-B 2-SEAL TIE	<u>PLASTIC, LOW PROFILE:</u> THERMALGRIP BRICK TIE WASHER BY RODENHOUSE.	WIRE VENEER ANCHOR BY BRICK TIE MANUFACTURER	BARREL SHALL BOTTOM OUT ON STEEL STUD. CONSULT FASTENER MANUFACTURER FOR CORRECT SIZING TO ACCOMMODATE INSULATION THICKNESS, EXTERIOR SHEATHING AND CAVITY SPACE.
PLYWOOD	N/A	<u>SINGLE THREAD, SHARP POINT:</u> GRIP-DECK CERAMIC-COATED WOOD SCREW BY RODENHOUSE. OR WIND-LOK WOOD/LITE METAL SERIES SCREW	<u>PLASTIC, LOW PROFILE:</u> THERMALGRIP CI PRONG WASHERS BY RODENHOUSE OR CI-LOCK WASHERS BY WIND-LOCK	N/A	SCREW SHALL GO ALL THE WAY THROUGH PLYWOOD + 3/8"
WOOD STUDS					SCREW SHALL PENETRATE AT LEAST 1" DEPTH INTO WOOD STUD
	SECURING METAL LATH		<u>GALVANIZED STEEL PLATE:</u> RODENHOUSE GRIP PLATE SMOOTH OR TABBED METAL WASHER OR WIND-LOK LATH-LOK (TABBED) OR LATH PLATE (SMOOTH)		CONSULT FASTENER MANUFACTURER FOR CORRECT SCREW SIZING TO ACCOMMODATE INSULATION, EXTERIOR SHEATHING AND LATH
	BRICK TIE	<u>SCREW-IN TIE FOR WOOD STUDS:</u> HECKMANN POS-I-TIE OR H-B 2-SEAL TIE	<u>PLASTIC, LOW PROFILE:</u> THERMALGRIP BRICK TIE WASHER BY RODENHOUSE	WIRE VENEER ANCHOR BY BRICK TIE MANUFACTURER	BARREL SHALL BOTTOM OUT ON WOOD STUD. CONSULT FASTENER MANUFACTURER FOR CORRECT SIZING TO ACCOMMODATE INSULATION THICKNESS, EXTERIOR SHEATHING AND CAVITY SPACE
CONCRETE, CONCRETE BLOCK OR MASONRY	N/A	<u>CONCRETE SCREW:</u> TAPCON BLUE PHILLIPS HEAD CONCRETE SCREW.	<u>PLASTIC, LOW PROFILE:</u> THERMALGRIP CI PRONG WASHER BY RODENHOUSE OR CI-LOCK WASHER BY WIND-LOCK	N/A	PRE-DRILL HOLE WITH MASONRY BIT ON HAMMER DRILL. SCREW SHALL PENETRATE SUBSTRATE 1-1/2" TO 2". CONSULT FASTENER MANUFACTURER FOR PROPER SIZING OF DRILL BIT AND SIZING OF FASTENER TO ACCOMMODATE INSULATION THICKNESS.
		<u>PLASTIC PUSH-IN FASTENER:</u> RODENHOUSE PLASTI-GRIP PMF OR WIND-LOK CON GRIP	N/A		

NOTE: EQUIVALENT PRODUCTS NOT LISTED IN THIS TABLE MAY ALSO BE SUITABLE. PLEASE CONTACT CCW TECHNICAL SERVICES FOR SUPPORT.

DETAIL IS INTENDED TO BE A GUIDE FOR INSTALLATION OF CCW PRODUCTS ONLY.

R2-0A

R2+ INSULATION FASTENERS SPECIFICATION



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WALL COMPONENT	MATERIAL OPTIONS
A. BASE WALL – USE 1, 2, 3 OR 4	1) CONCRETE – CAST IN PLACE OR TILT-UP 2) CONCRETE MASONRY UNIT (CMU) 3) STEEL STUDS – 25 GAUGE OR THICKER, 3½” DEPTH MINIMUM, 24 IN. O.C. MAXIMUM SPACING. LATERAL BRACING REQUIRED EVERY 4 FT. ½” TYPE X GYPSUM WALLBOARD, OR EQUIVALENT THERMAL BARRIER, REQUIRED ON THE INTERIOR SIDE. 4) FRTW (FIRE-RETARDANT TREATED WOOD) STUDS, MINIMUM NOMINAL 2x4 DIMENSION, SPACED MAX 24” O.C, BRACING AS REQUIRED BY CODE. ½” TYPE X GYPSUM WALLBOARD, OR EQUIVALENT THERMAL BARRIER, REQUIRED ON THE INTERIOR SIDE.
FIRE STOPPING REQUIRED AT FLOOR LINES (IF STUDS RUN CONTINUOUSLY PAST FLOOR SLAB) – USE 1 OR 2	1) ANY APPROVED MINERAL FIBER BASED SAFING INSULATION IN EACH STUD CAVITY AT FLOOR LINE. SAFING THICKNESS MUST MATCH STUD CAVITY DEPTH. 2) SOLID FRTW FIRE BLOCKING AT FLOOR LINE IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR TYPE III CONSTRUCTION.
B. STUD CAVITY INSULATION – USE 1, 2, 3, 4 OR 5.	1) NONE 2) SPRAY POLYURETHANE FOAM 1½” MINIMUM UP TO FULL CAVITY THICKNESS: BAYER ECOBAY CC OR BASF WALLTITE 3) ANY FOAM PLASTIC INSULATION (SPF OR BOARD TYPE) WHICH HAS BEEN TESTED PER ASTM E1354 (AT A MINIMUM OF 20 kW/M ² HEAT FLUX) AND SHOWN BY ANALYSIS TO BE LESS FLAMMABLE (IMPROVED T _{avg} , Pk. HRR) THAN BAYER ECOBAY CC OR BASF WALLTITE. 4) ANY NONCOMBUSTIBLE INSULATION PER ASTM E136 5) ANY MINERAL FIBER OR FIBERGLASS BOARD/BATT, CLASS A ASTM E84, FACED OR UNFACED
C. EXTERIOR SHEATHING OVER STEEL STUD BASE WALL USE 1 OR 2	1) ½” OR THICKER EXTERIOR GYPSUM SHEATHING 2) ½” (MIN.) FRTW STRUCTURAL PANELS IN TYPE III CONSTRUCTION ALLOWED IN PLACE OF GYPSUM SHEATHING WHEN COMBUSTIBLE STUD CAVITY INSULATION IS NOT USED.
D. WRB OVER BASE WALL SURFACE – USE 1, 2, 3, 4 OR 5 OPTION 5 (BARRITECH NP60) CAN ONLY BE USED WITH BASE WALL ASSEMBLIES 1 OR 2 (CMU OR CONCRETE) AND EXTERIOR CLADDING OPTIONS 1, 2, 3, 4, 5 OR 6.	1) FIRE-RESIST 705 VP 2) FIRE-RESIST 705FR-A 3) FIRE-RESIST BARRITECH NP 4) FIRE-RESIST BARRITECH VP/ VP-LT 5) FIRE-RESIST BARRITECH NP60
E. EXTERIOR INSULATION –	R2+ MATTE POLYISOCYANURATE INSULATION BY CARLISLE COATINGS & WATERPROOFING. 20 PSI OR 25 PSI GRADE. 3½” THICK MAXIMUM
INSULATION JOINT PREP AND ATTACHMENT PERMITTED WITH CCW R2+ MATTE NOTE: R2+ MATTE JOINTS DO NOT NEED TO BE TAPED IF CCW MEMBRANE AIR BARRIER IS INSTALLED ON BASE WALL ASSEMBLY OR ON R2+ MATTE.	1) R2+ MATTE SHALL BE SECURED WITH ONE OF THE FOLLOWING METHODS: A. CLADDING ATTACHMENT HARDWARE OR OTHER APPROVED MECHANICAL FASTENING AS SHOWN IN R2 SERIES DETAILS. B. CCW LM 800 XL ADHESIVE APPLIED IN ¾” X 3” DABS, 16” O.C. ADHERING R2+ MATTE TO WRB OR TO BASE WALL SURFACE. 2) FOMO HANDIFOAM FIREBLOCK OR TVM FIREBLOCK MAY BE USED AS GAP FILLER BETWEEN R2+ MATTE INSULATION PANELS. 3) CAV-GRIP™ OR TRAVEL-TACK MAY BE USED AS AN ADHESIVE TO ASSIST WITH PLACEMENT AND INSTALLATION OF R2+ MATTE. 4) R2+ MATTE BOARD JOINTS AND TERMINATIONS MAY BE TAPED AS FOLLOWS: 4” FOIL-GRIP –1402 OVER SHEATHING JOINTS AND ALUMAGRIP-701 WRAPPING OPENINGS AND COVERING CORNERS, TRANSITIONS AND TERMINATIONS.

REF: DRJ ENGINEERING TECHNICAL EVALUATION REPORT TER 1407-1

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INSTALLATION OF CCW PRODUCTS ONLY.

R2-OB.1

R2+ MATTE NFPA 285
TABLE OF SUBSTITUTION

<p>F. EXTERIOR CLADDING – USE 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 OR 15.</p> <p>ITEM 7 MAY USE ANY TESTED/APPROVED INSTALLATION TECHNIQUE.</p> <p>ITEMS 8, 9 AND 12 MAY USE ANY STANDARD CODE-APPROVED INSTALLATION TECHNIQUE.</p> <p>ITEMS 2 AND 14: SLIP SHEET PERMITTED BETWEEN R2+ MATTE AND EXTERIOR CLADDING. SLIP SHEET SHALL CONSIST OF MECHANICALLY-ATTACHED, GRADE D BUILDING PAPER OR POLYMERIC WRAP WHICH HAS BEEN TESTED PER ASTM E1354 (AT A MINIMUM OF 20 kW/m² HEAT FLUX) AND SHOWN BY ANALYSIS TO BE LESS FLAMMABLE (IMPROVED T_{ing}, Pk. HRR) THAN FIRE RESIST 705 VP</p>	<ol style="list-style-type: none"> 1) BRICK – NOMINAL 4” CLAY OR CONCRETE BRICK OR VENEER WITH MAXIMUM 2” AIR GAP BEHIND THE BRICK. BRICK TIES/ANCHORS 24” O.C. (MAX). 2) STANDARD CEMENT STUCCO – MINIMUM ¾” THICK EXTERIOR CEMENT PLASTER AND LATH 3) LIMESTONE – MINIMUM 2” THICK USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP. 4) NATURAL STONE VENEER – MINIMUM 2” THICK USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS GROUTED/MORTARED STONE. 5) CAST ARTIFICIAL STONE – MINIMUM 1½” THICK COMPLYING WITH ICC-ES AC 51 USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP. 6) CLOSED-JOINT TERRA COTTA – MINIMUM 1¼” THICK (SOLID OR EQUIVALENT BY WEIGHT) USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP 7) ANY MCM THAT HAS SUCCESSFULLY PASSED NFPA 285 8) UNINSULATED SHEET METAL BUILDING PANELS INCLUDING STEEL, COPPER, ALUMINUM. 9) UNINSULATED FIBER-CEMENT SIDING 10) STONE/ALUMINUM HONEYCOMB COMPOSITE BUILDING PANELS THAT HAVE SUCCESSFULLY PASSED NFPA 285 CRITERIA. 11) AUTOCLAVED-AERATED-CONCRETE (AAC) PANELS THAT HAVE SUCCESSFULLY PASSED NFPA 285 CRITERIA. 12) TERRA COTTA RAIN SCREEN CLADDING – ANY RAIN SCREEN TERRA COTTA, MINIMUM ½” THICK, WITH VENTILATED SHIP LAP. 13) 1-COAT STUCCO – ½” THICK, MIN. ANY 1-COAT SYSTEM WHICH MEETS AC-11 ACCEPTANCE CRITERIA OR IS APPROVED FOR USE IN TYPE I-IV CONSTRUCTION OR HAS PASSED NFPA 285 OR STAYS IN PLACE FOR 30 MINUTES WHEN TESTED TO ASTM E 119 (STUCCO FACING FIRE). 14) THIN BRICK/CULTURED STONE SET IN THIN SET ADHESIVE AND METAL LATH THAT HAS BEEN TESTED TO ASTM E119 (BRICK EXPOSED TO FURNACE) AND REMAINS IN PLACE FOR A MINIMUM OF 30 MINUTES, OR HAS PASSED AN NFPA 285 TEST. VENEER, THIN-SET ADHESIVE AND LATH SHALL HAVE A COMBINED THICKNESS OF AT LEAST ¾” INCH. 15) TABS II PANEL SYSTEM WITH ½” THICK BRICKS USING TABS
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REF: DRJ ENGINEERING TECHNICAL EVALUATION REPORT TER 1407-1

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INSTALLATION OF CCW PRODUCTS ONLY.

R2-OB.2

R2+ MATTE NFPA 285
TABLE OF SUBSTITUTIONS

WALL COMPONENT	MATERIAL OPTIONS
A. BASE WALL – USE 1, 2, 3 OR 4	1) CONCRETE CAST – IN PLACE OR TILT-UP 2) CONCRETE MASONRY UNIT (CMU) 3) STEEL STUDS – 25 GAUGE OR THICKER, 3 $\frac{5}{8}$ " DEPTH MINIMUM, 24 IN. O.C. MAXIMUM SPACING. LATERAL BRACING REQUIRED EVERY 4 FT. $\frac{5}{8}$ " TYPE X GYPSUM WALLBOARD, OR EQUIVALENT THERMAL BARRIER, REQUIRED ON THE INTERIOR SIDE. 4) FRTW (FIRE-RETARDANT TREATED WOOD) STUDS, MINIMUM NOMINAL 2x4 DIMENSION, SPACED MAX 24" O.C, BRACING AS REQUIRED BY CODE. $\frac{5}{8}$ " TYPE X GYPSUM WALLBOARD, OR EQUIVALENT THERMAL BARRIER, REQUIRED ON THE INTERIOR SIDE.
FIRE STOPPING REQUIRED AT FLOOR LINES (IF STUDS RUN CONTINUOUSLY PAST FLOOR SLAB) – USE 1 OR 2.	1) ANY APPROVED MINERAL FIBER BASED SAFING INSULATION IN EACH STUD CAVITY AT FLOOR LINE. SAFING THICKNESS MUST MATCH STUD CAVITY DEPTH. 2) SOLID FRTW FIRE BLOCKING AT FLOOR LINE IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR TYPE III CONSTRUCTION.
B. STUD CAVITY INSULATION – USE 1, 2, 3, 4 OR 5.	1) NONE 2) SPRAY POLYURETHANE FOAM 1 $\frac{1}{2}$ " MINIMUM UP TO FULL CAVITY THICKNESS: BAYER ECOBAY CC OR BASF WALLTITE 3) ANY FOAM PLASTIC INSULATION (SPF OR BOARD TYPE) WHICH HAS BEEN TESTED PER ASTM E1354 (AT A MINIMUM OF 20 kW/M ² HEAT FLUX) AND SHOWN BY ANALYSIS TO BE LESS FLAMMABLE (IMPROVED T _{ing} , Pk. HRR) THAN BAYER ECOBAY CC OR BASF WALLTITE. 4) ANY NONCOMBUSTIBLE INSULATION PER ASTM E136 5) ANY MINERAL FIBER OR FIBERGLASS BOARD/BATT, CLASS A ASTM E84, FACED OR UNFACED
C. EXTERIOR SHEATHING OVER STEEL OR FRTW STUD BASE WALL – USE 1 OR 2.	1) $\frac{1}{2}$ " OR THICKER EXTERIOR GYPSUM SHEATHING 2) $\frac{1}{2}$ " (MIN.) FRTW STRUCTURAL PANELS IN TYPE III CONSTRUCTION ALLOWED IN PLACE OF GYPSUM SHEATHING WHEN COMBUSTIBLE STUD CAVITY INSULATION IS NOT USED.
D. WRB OVER BASE WALL SURFACE – USE 1, 2, 3, 4, 5, OR 6 OPTION 5 (BARRITECH NP60) CAN ONLY BE USED WITH BASE WALL ASSEMBLIES 1 OR 2 (CMU OR CONCRETE) AND EXTERIOR CLADDING OPTIONS 1, 2, 3, 4, 5 OR 6. OPTION 6 (CCW-705) CAN ONLY BE USED WITH EXTERIOR CLADDING OPTIONS 1, 2, 3, 4, 5 OR 6.	1) FIRE-RESIST 705 VP 2) FIRE-RESIST 705FR-A 3) FIRE-RESIST BARRITECH NP 4) FIRE-RESIST BARRITECH VP/ VP-LT 5) FIRE-RESIST BARRITECH NP60 6) CCW-705
E. EXTERIOR INSULATION –	R2+ SHEATHE POLYISOCYANURATE INSULATION BY CARLISLE COATINGS & WATERPROOFING. 3 $\frac{1}{2}$ " THICK MAXIMUM
INSULATION JOINT PREP AND ATTACHMENT PERMITTED WITH CCW R2+ SHEATHE NOTE: R2+ SHEATHE JOINTS DO NOT NEED TO BE TAPED IF CCW MEMBRANE AIR BARRIER IS INSTALLED ON BASE WALL ASSEMBLY OR ON R2+ SHEATHE.	1) R2+ SHEATHE SHALL BE SECURED WITH ONE OF THE FOLLOWING METHODS: a. CLADDING ATTACHMENT HARDWARE OR OTHER APPROVED MECHANICAL FASTENING AS SHOWN IN R2 SERIES DETAILS. b. CCW LM 800 XL ADHESIVE APPLIED IN $\frac{3}{8}$ " X 3" DABS, 16" O.C. ADHERING R2+ SHEATHE TO WRB OR TO BASE WALL SURFACE. 2) FOMO HANDIFOAM FIREBLOCK OR TVM FIREBLOCK MAY BE USED AS GAP FILLER BETWEEN R2+ SHEATHE OR XCI INSULATION PANELS. 3) CAV-GRIP™ OR TRAVEL-TACK MAY BE USED AS AN ADHESIVE CAN BE USED TO ASSIST WITH PLACEMENT AND INSTALLATION OF R2+ SHEATHE. 4) R2+ SHEATHE BOARD JOINTS AND TERMINATIONS MAY BE TAPED AS FOLLOWS: 4" FOIL-GRIP-1402 OVER SHEATHING JOINTS AND ALUMAGRIP-701 WRAPPING OPENINGS AND COVERING CORNERS, TRANSITIONS AND TERMINATIONS.

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REF: DRJ ENGINEERING TECHNICAL EVALUATION REPORT TER 1407-2

R2-OC.1

R2+ SHEATHE NFPA 285 TABLE OF SUBSTITUTIONS

F. EXTERIOR CLADDING – USE 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 OR 15.

ITEM 7 MAY USE ANY TESTED/APPROVED INSTALLATION TECHNIQUE.

ITEMS 8, 9 AND 12 MAY USE ANY STANDARD CODE-APPROVED INSTALLATION TECHNIQUE.

ITEMS 2 AND 14: SLIP SHEET PERMITTED BETWEEN R2+ SHEATHE AND EXTERIOR CLADDING. SLIP SHEET SHALL CONSIST OF MECHANICALLY-ATTACHED, GRADE D BUILDING PAPER OR POLYMERIC WRAP WHICH HAS BEEN TESTED PER ASTM E1354 (AT A MINIMUM OF 20 kW/M² HEAT FLUX) AND SHOWN BY ANALYSIS TO BE LESS FLAMMABLE (IMPROVED T_{ing}, Pk. HRR) THAN FIRE RESIST 705 VP

- 1) BRICK – NOMINAL 4” CLAY OR CONCRETE BRICK OR VENEER WITH MAXIMUM 2” AIR GAP BEHIND THE BRICK. BRICK TIES/ANCHORS 24” O.C. (MAX).
- 2) STANDARD CEMENT STUCCO – MINIMUM ¾” THICK EXTERIOR CEMENT PLASTER AND LATH.
- 3) LIMESTONE – MINIMUM 2” THICK USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP.
- 4) NATURAL STONE VENEER – MINIMUM 2” THICK USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS GROUTED/ MORTARED STONE.
- 5) CAST ARTIFICIAL STONE – MINIMUM 1½” THICK COMPLYING WITH ICC-ES AC 51 USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP.
- 6) CLOSED-JOINT TERRA COTTA – MINIMUM 1¼” THICK (SOLID OR EQUIVALENT BY WEIGHT) USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP.
- 7) ANY MCM THAT HAS SUCCESSFULLY PASSED NFPA 285
- 8) UNINSULATED SHEET METAL BUILDING PANELS INCLUDING STEEL, COPPER, ALUMINUM.
- 9) UNINSULATED FIBER-CEMENT SIDING.
- 10) STONE/ALUMINUM HONEYCOMB COMPOSITE BUILDING PANELS THAT HAVE SUCCESSFULLY PASSED NFPA 285 CRITERIA.
- 11) AUTOCLAVED-AERATED-CONCRETE (AAC) PANELS THAT HAVE SUCCESSFULLY PASSED NFPA 285 CRITERIA.
- 12) TERRA COTTA RAIN SCREEN CLADDING – MINIMUM ½” THICK WITH VENTILATED SHIPLAP.
- 13) 1-COAT STUCCO – ½” THICK, MIN. ANY 1-COAT SYSTEM WHICH MEETS AC-11 ACCEPTANCE CRITERIA OR IS APPROVED FOR USE IN TYPE I-IV CONSTRUCTION OR HAS PASSED NFPA 285 OR STAYS IN PLACE FOR 30 MINUTES WHEN TESTED TO ASTM E 119 (STUCCO FACING FIRE).
- 14) THIN BRICK/CULTURED STONE SET IN THIN SET ADHESIVE AND METAL LATH THAT HAS BEEN TESTED TO ASTM E119 (BRICK EXPOSED TO FURNACE) AND REMAINS IN PLACE FOR A MINIMUM OF 30 MINUTES, OR HAS PASSED AN NFPA 285 TEST. VENEER, THIN-SET ADHESIVE AND LATH SHALL HAVE A COMBINED THICKNESS OF AT LEAST ¾” INCH.
- 15) TABS II PANEL SYSTEM WITH ½” THICK BRICKS USING TABS WALL ADHESIVE.

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R2-OC.2

R2+ SHEATHE NFPA 285
TABLE OF SUBSTITUTIONS



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WALL COMPONENT	MATERIAL OPTIONS
A. BASE WALL – USE 1, 2, 3 OR 4	1) CONCRETE – CAST IN PLACE OR TILT-UP 2) CONCRETE MASONRY UNIT (CMU) 3) STEEL STUDS – 25 GAUGE OR THICKER, 3½” DEPTH MINIMUM, 24 IN. O.C. MAXIMUM SPACING. LATERAL BRACING REQUIRED EVERY 4 FT. ½” TYPE X GYPSUM WALLBOARD, OR EQUIVALENT THERMAL BARRIER, REQUIRED ON THE INTERIOR SIDE. 4) FRTW (FIRE-RETARDANT TREATED WOOD) STUDS, MINIMUM NOMINAL 2X4 DIMENSION, SPACED MAX 24” O.C, BRACING AS REQUIRED BY CODE. ½” TYPE X GYPSUM WALLBOARD, OR EQUIVALENT THERMAL BARRIER, REQUIRED ON THE INTERIOR SIDE.
FIRE STOPPING REQUIRED AT FLOOR LINES (IF STUDS RUN CONTINUOUSLY PAST FLOOR SLAB) – USE 1 OR 2.	1) ANY APPROVED MINERAL FIBER BASED SAFING INSULATION IN EACH STUD CAVITY AT FLOOR LINE. SAFING THICKNESS MUST MATCH STUD CAVITY DEPTH. 2) SOLID FRTW FIRE BLOCKING AT FLOOR LINE IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR TYPE III CONSTRUCTION.
B. STUD CAVITY INSULATION – USE 1, 2, 3, 4 OR 5.	1) NONE 2) SPRAY POLYURETHANE FOAM 1½” MINIMUM UP TO FULL CAVITY THICKNESS: BAYER ECOBAY CC OR BASF WALLTITE 3) ANY FOAM PLASTIC INSULATION (SPF OR BOARD TYPE) WHICH HAS BEEN TESTED PER ASTM E1354 (AT A MINIMUM OF 20 KW/M ² HEAT FLUX) AND SHOWN BY ANALYSIS TO BE LESS FLAMMABLE (IMPROVED T _{img} , Pk. HRR) THAN BAYER ECOBAY CC OR BASF WALLTITE. 4) ANY NONCOMBUSTIBLE INSULATION PER ASTM E136 5) ANY MINERAL FIBER OR FIBERGLASS BOARD/BATT, CLASS A ASTM E84, FACED OR UNFACED
C. EXTERIOR SHEATHING OVER STEEL OR FRTW STUD BASE WALL – USE 1 OR 2	1) ½” OR THICKER EXTERIOR GYPSUM SHEATHING 2) ½” (MIN.) FRTW STRUCTURAL PANELS IN TYPE III CONSTRUCTION ALLOWED IN PLACE OF GYPSUM SHEATHING WHEN COMBUSTIBLE STUD CAVITY INSULATION IS NOT USED.
D. WRB OVER BASE WALL SURFACE – USE 1, 2 OR 3 OPTION 5 (BARRITECH NP60) CAN ONLY BE USED WITH BASE WALL ASSEMBLIES 1 OR 2 (CMU OR CONCRETE).	1) FIRE-RESIST 705 VP 2) FIRE-RESIST 705FR-A 3) FIRE-RESIST BARRITECH NP 4) FIRE-RESIST BARRITECH VP/ VP-LT 5) FIRE-RESIST BARRITECH NP60
E. EXTERIOR INSULATION –	R2+ SILVER POLYISOCYANURATE INSULATION BY CARLISLE COATINGS & WATERPROOFING. 20 PSI OR 25 PSI GRADE. 3½” THICK MAXIMUM
INSULATION JOINT PREP AND ATTACHMENT PERMITTED WITH CCW R2+ SILVER NOTE: R2+ SILVER JOINTS DO NOT NEED TO BE TAPED IF CCW MEMBRANE AIR BARRIER IS INSTALLED ON BASE WALL ASSEMBLY OR ON R2+ SILVER.	1) R2+ SILVER SHALL BE SECURED WITH ONE OF THE FOLLOWING METHODS: a. CLADDING ATTACHMENT HARDWARE OR OTHER APPROVED MECHANICAL FASTENING AS SHOWN IN R2 SERIES DETAILS. b. CCW LM 800 XL ADHESIVE APPLIED IN ¾” X 3” DABS, 16” O.C. ADHERING R2+ SILVER TO WRB OR TO BASE WALL SURFACE. 2) FOMO HANDIFOAM FIREBLOCK OR TVM FIREBLOCK MAY BE USED AS GAP FILLER BETWEEN R2+ SILVER INSULATION PANELS. 3) CAV-GRIP™ OR TRAVEL-TACK MAY BE USED AS AN ADHESIVE CAN BE USED TO ASSIST WITH PLACEMENT AND INSTALLATION OF R2+ SILVER. 4) R2+ SILVER BOARD JOINTS AND TERMINATIONS MAY BE TAPED AS FOLLOWS: 4” FOIL-GRIP-1402 OVER SHEATHING JOINTS AND ALUMAGRIP-701 WRAPPING OPENINGS AND COVERING CORNERS, TRANSITIONS AND TERMINATIONS.

REF: DRJ ENGINEERING TECHNICAL EVALUATION REPORT TER 1407-1

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R2-0D.1

R2+ SILVER NFPA 285
TABLE OF SUBSTITUTIONS

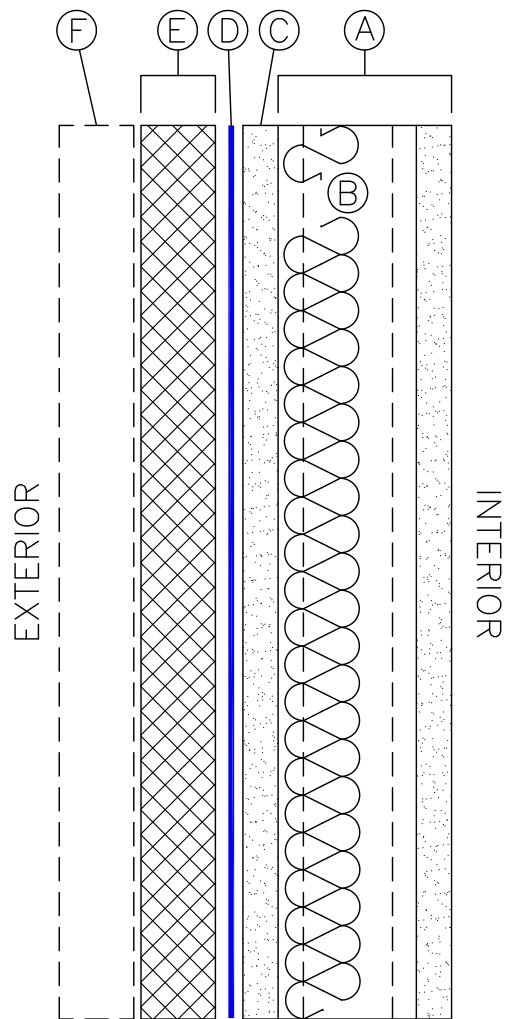
<p>F. EXTERIOR CLADDING – USE 1, 2, 3, 4, 5 OR 6.</p> <p>ITEM 2: SLIP SHEET PERMITTED BETWEEN R2+ SILVER/ CCW MEMBRANE AND STUCCO SYSTEM. SLIP SHEET SHALL CONSIST OF MECHANICALLY-ATTACHED, GRADE D BUILDING PAPER OR POLYMERIC WRAP WHICH HAS BEEN TESTED PER ASTM E1354 (AT A MINIMUM OF 20 kW/M² HEAT FLUX) AND SHOWN BY ANALYSIS TO BE LESS FLAMMABLE (IMPROVED T_{ing},Pk. HRR) THAN FIRE RESIST 705 VP</p>	<ol style="list-style-type: none"> 1) BRICK – NOMINAL 4” CLAY OR CONCRETE BRICK OR VENEER WITH MAXIMUM 2” AIR GAP BEHIND THE BRICK. BRICK TIES/ANCHORS 24” O.C. (MAX). 2) STANDARD CEMENT STUCCO – MINIMUM ¾” THICK EXTERIOR PLASTER AND LATH. 3) LIMESTONE – MINIMUM 2” THICK USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP. 4) NATURAL STONE VENEER – MINIMUM 2” THICK USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS GROUTED/ MORTARED STONE. 5) CAST ARTIFICIAL STONE – MINIMUM 1½” THICK COMPLYING WITH ICC-ES AC 51 USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP. 6) CLOSED-JOINT TERRA COTTA – MINIMUM 1¼” THICK (SOLID OR EQUIVALENT BY WEIGHT) USING ANY STANDARD NON-OPEN JOINT INSTALLATION TECHNIQUE SUCH AS SHIPLAP
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REF: DRJ ENGINEERING TECHNICAL EVALUATION REPORT TER 1407-1

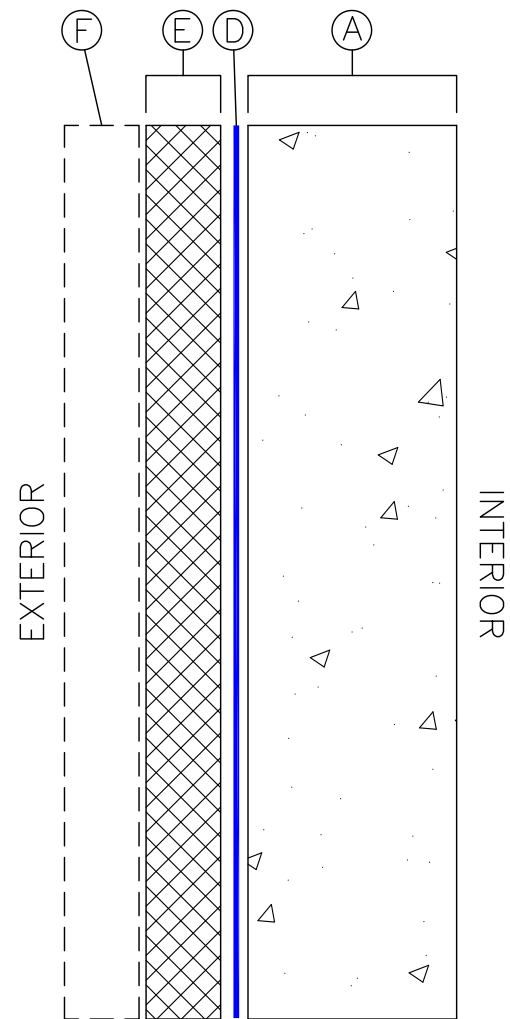
DETAIL IS INTENED TO BE A GUIDE FOR
INSTALLATION OF CCW PRODUCTS ONLY.

R2-0D.2

R2+ SILVER NFPA 285
TABLE OF SUBSTITUTION



R2+ SILVER, MATTE OR
SHEATHE OVER EXTERIOR
SHEATHING/ STUD WALL



R2+ SILVER, MATTE
OR SHEATHE OVER
MASS WALL

DETAIL IS INTENDED TO BE A GUIDE FOR THE
INSTALLATION OF CCW PRODUCTS ONLY. DETAIL
SHOWN IS SUITABLE FOR USE IN NFPA 285 WALL
ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS..

R2-0E

R2+ POLYISO NFPA 285
WALL CONFIGURATIONS

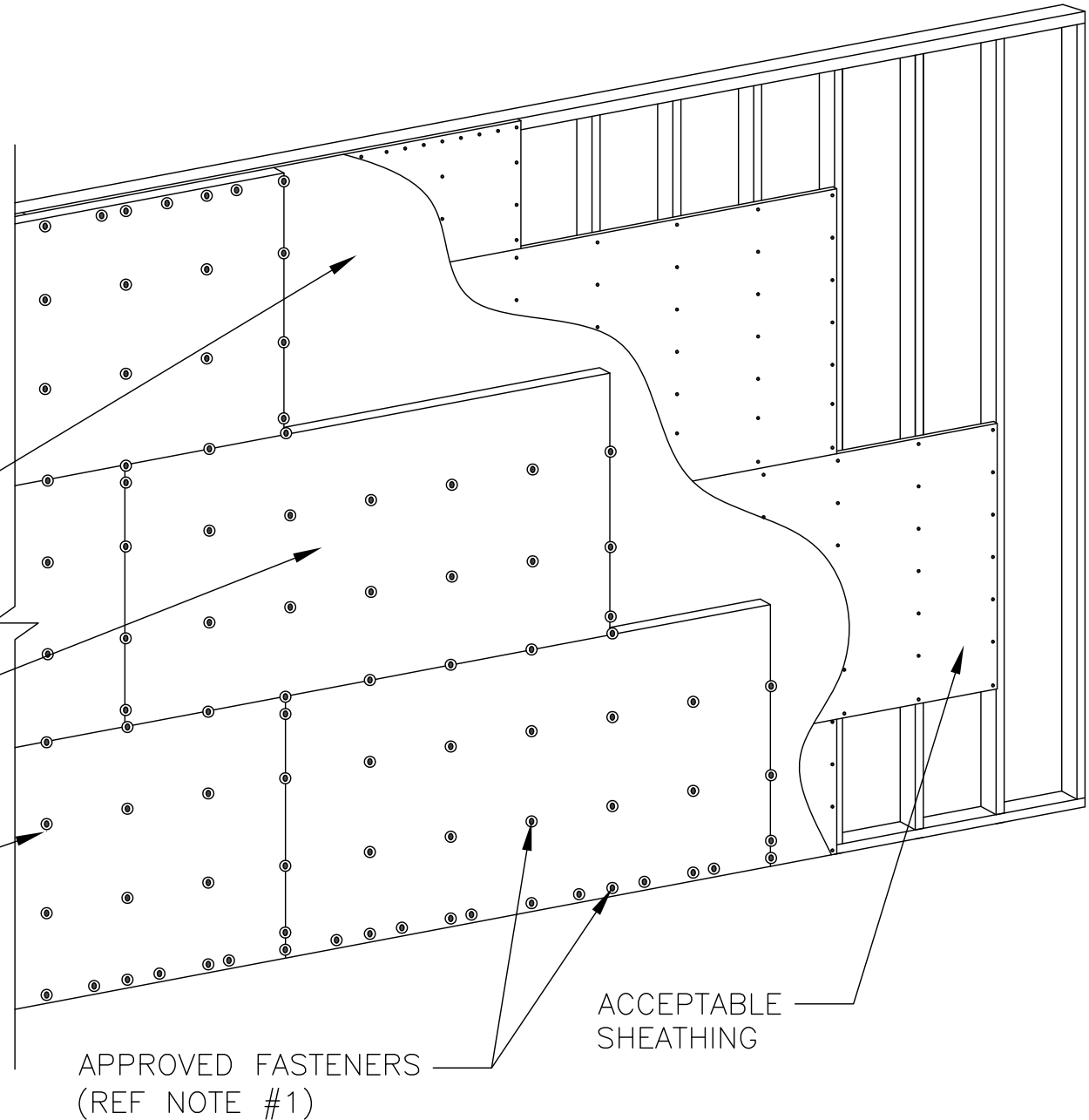
NOTES:

1. INSTALL APPROVED FASTENERS (REF R2-0A) 16" O.C. ALONG STUD LINE AND 12" O.C. ON PERIMETER.
2. CAV-GRIP MAY BE USED AS A PLACEMENT AID TO FACILITATE INSTALLATION.
3. CLADDING ATTACHMENT HARDWARE CAN REDUCE OR ELIMINATE THE NEED FOR FASTENING (REF R2-4, R2-5, AND R2-9)

CARLISLE AIR & VAPOR MEMBRANE OR APPROVED MEMBRANE BY OTHERS

4'x8' R2+ SILVER, MATTE, OR SHEATHE

WASHER WITH FASTENER OR OTHER MECHANICAL ATTACHMENT (REF R2-0A)



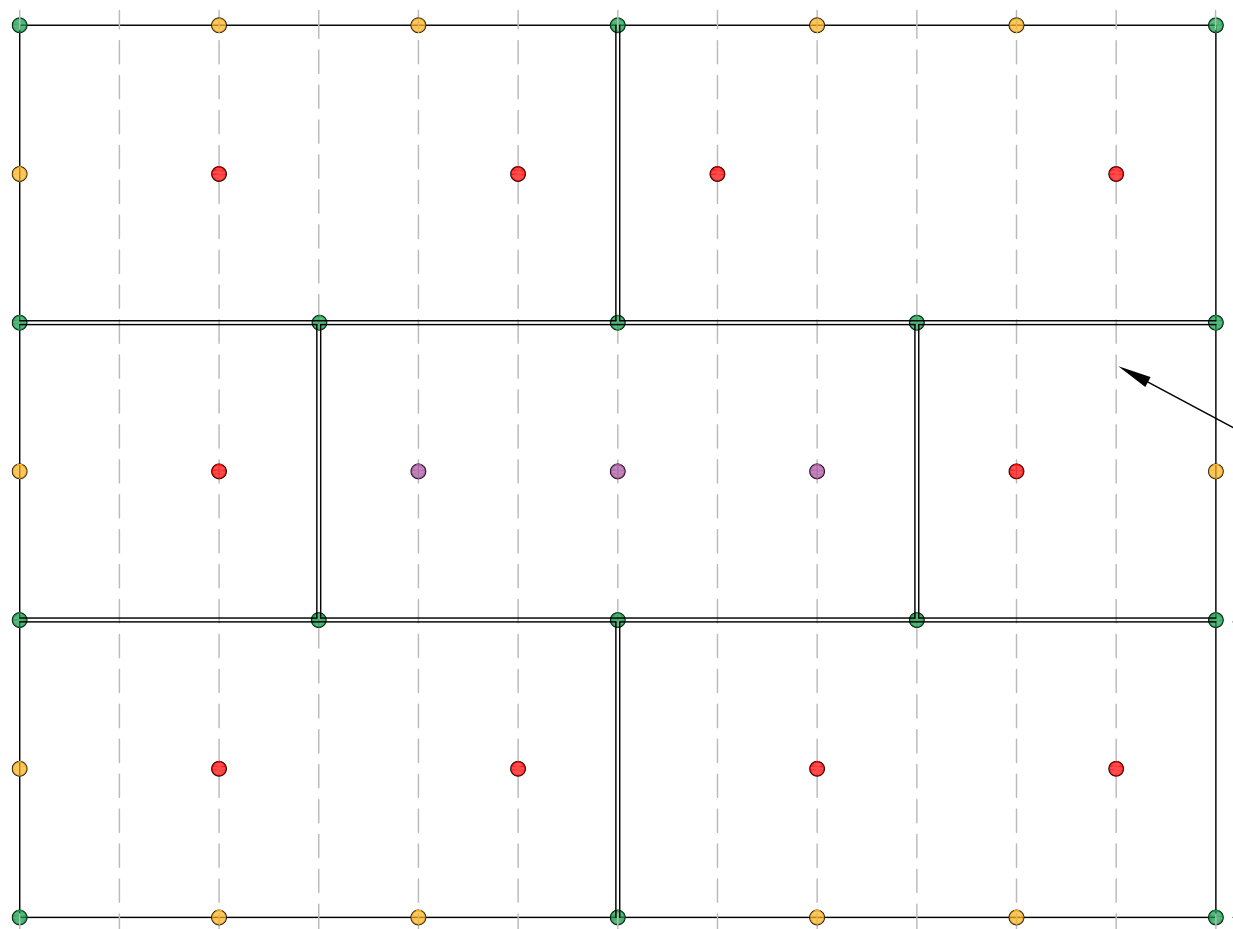
DETAIL IS INTENDED TO BE A GUIDE FOR THE INSTALLATION OF CCW PRODUCTS ONLY. DETAIL SHOWN IS SUITABLE FOR USE IN NFPA 285 WALL ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-1A

4'X8' POLYISO INSULATION
FASTENER PATTERN FOR
PERMANENT ATTACHMENT

CARLISLE
COATINGS & WATERPROOFING

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NOTES:

1. THIS ATTACHMENT TECHNIQUE IS ADEQUATE TO HOLD INSULATION IN PLACE FOR UP TO 60 DAYS EXPOSURE UNTIL PERMANENT FASTENING WITH CLADDING IS COMPLETED. NOT GUARANTEED TO HOLD IN THE EVENT OF SEVERE WEATHER.

STUD LOCATION
(16" O.C. SHOWN)

R2+ SILVER, R2+ MATTE
OR R2+ SHEATHE, 4'x8'
BOARD

APPROVED FASTENERS (REF. R2-0A), DRIVEN INTO STUD

- — ALL CORNERS
- — PERIMETER — MINIMUM 32" O.C.
- — 2 FASTENERS IN FIELD PER 4'x8' BOARD w/ PERIMETER FASTENING
- — 3 FASTENERS IN FIELD PER 4'x8' BOARD w/o PERIMETER FASTENING

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R2-1B

4'x8' POLYISO INSULATION
TEMPORARY FASTENER PATTERN

SUITABLE OPTION FOR ASSEMBLIES SHOWN IN R2-6A, R2-6B, R2-6C AND R2-6J

CCW MEMBRANE
AIR BARRIER

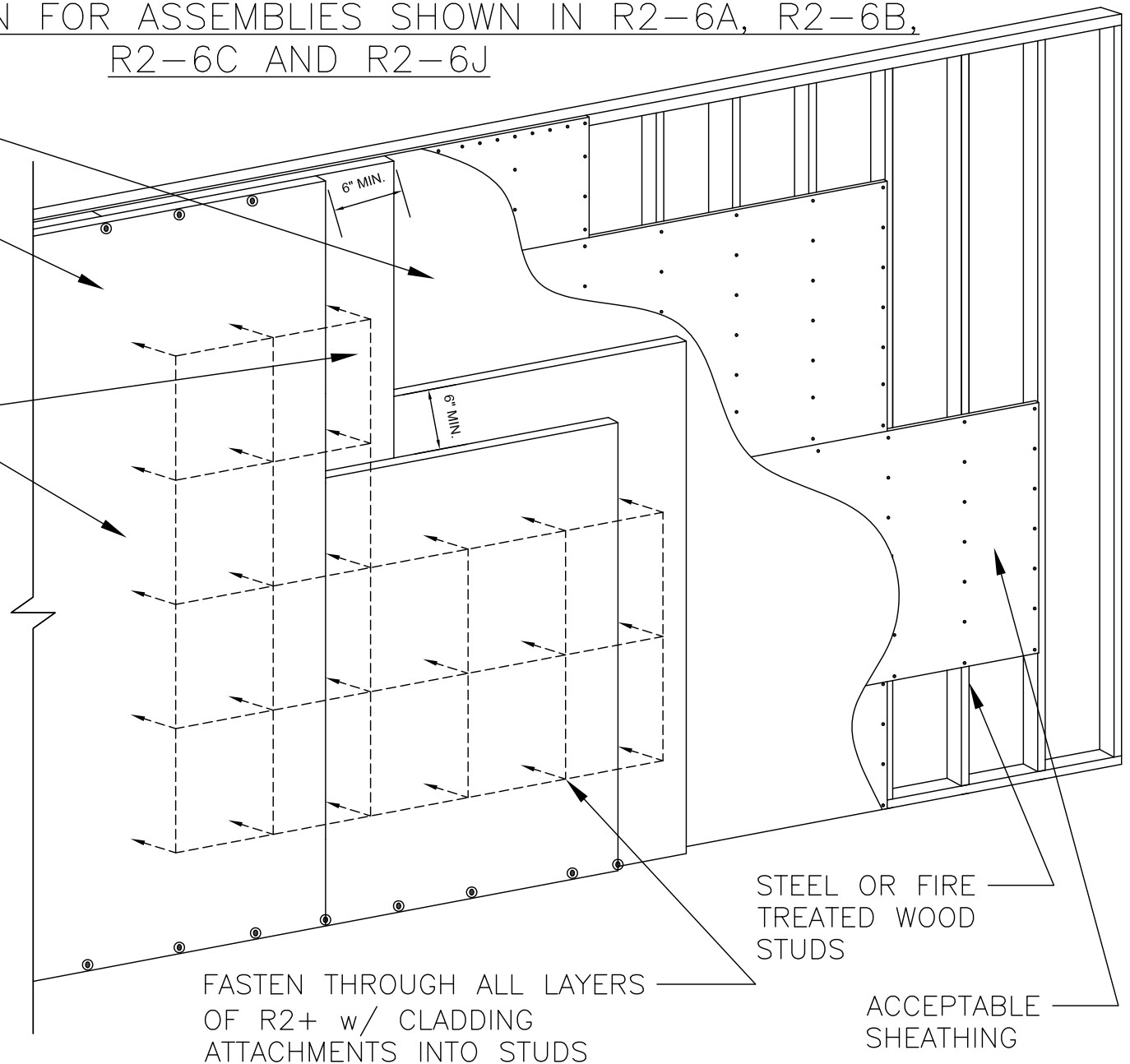
OPTIONAL—
CAV-GRIP TO TACK
INSULATION IN PLACE
FOR SAME-DAY
CLADDING HARDWARE
INSTALLATION

DOUBLE LAYER OF
4"x8' R2+ SILVER,
MATTE, OR SHEATHE
w/ STAGGERED JOINTS

IF CLADDING ATTACHMENT
INTO STUDS IS 16" O.C. OR
24" O.C., NO ADDITIONAL
FASTENING OR ADHESIVE IS
REQUIRED TO ATTACH R2+

FILL GAPS BETWEEN R2+
BOARDS EXCEEDING 1/4"
WITH LOW RISE BEAD FOAM

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R2-2A

DOUBLE LAYER OF
POLYISO INSULATION

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NOTES:

1. $\frac{3}{8}$ " THICK BY 3" DIAMETER DABS OF CCW-LM-800XL.
2. BEGIN INSTALLATION AT BASE OF WALL FROM FIRM, PERMANENT, OR TEMPORARY SUPPORT. USE WASHER W/ FASTENERS AT BASE. (REF R2-0A)

CARLISLE AIR &
VAPOR MEMBRANE
OR APPROVED
MEMBRANE BY OTHERS

DABS OF CCW-
LM-800XL

4'x8' R2+ SILVER,
MATTE, OR SHEATHE

WASHER WITH
FASTENER (REF R2-0A)

ACCEPTABLE
SHEATHING

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R2-2B

4'X8' POLYISO INSULATION
ADHESIVE PATTERN

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STUD CAVITY
INSULATION
(OPTIONAL)

EXTERIOR
SHEATHING

BACKER ROD

COMPRESSIBLE
INSULATION

STEEL OR
FIRE TREATED
WOOD STUDS

DRYWALL
EXPANSION JOINT

RIGID PLASTIC OR
METAL ANGLE

$\frac{5}{8}$ " TYPE X
INTERIOR GYPSUM
SHEATHING

DAB OF CCW-
LM-800XL WHERE
REQUIRED.

EXTERIOR CLADDING
(REF R2-0B, R2-0C
AND R2-0D)

EXPANSION BULB COVERED
WITH CCW-705 OR 705
FR-A FLASHING. USE
SURE-SEAL P/S ELASTOFORM
TO COVER ANGLE CHANGES
ALONG JOINT.

EXTERIOR CLADDING
AND EXPANSION JOINT

WASHER WITH FASTENER
OR OTHER MECHANICAL
ATTACHMENT
(REF R2-0A)

R2+ SILVER,
MATTE, OR
SHEATHE

CCW MEMBRANE
AIR BARRIER

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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-3

VERTICAL EXPANSION JOINT

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NOTES:

1. SPACE WASHER WITH FASTENER 12" O.C. AT WINDOW PERIMETER.

5/8" TYPE X
INTERIOR GYPSUM
SHEATHING

FIRE TREATED
LUMBER BUCK
(OPTIONAL)

STEEL OR
FIRE TREATED
WOOD STUDS

COMPATIBLE SEALANT
WITH BACKER ROD.
REF CCW MEMBRANE
AIR BARRIER DETAIL-0A.

BACKER ROD

EXTERIOR
SHEATHING

WASHER WITH FASTENER
OR OTHER MECHANICAL
ATTACHMENT
(REF R2-0A)

R2+ SILVER, MATTE,
OR SHEATHE

EXTERIOR CLADDING
(REF R2-0B, R2-0C
AND R2-0D)

CCW MEMBRANE
AIR BARRIER

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R2-5A

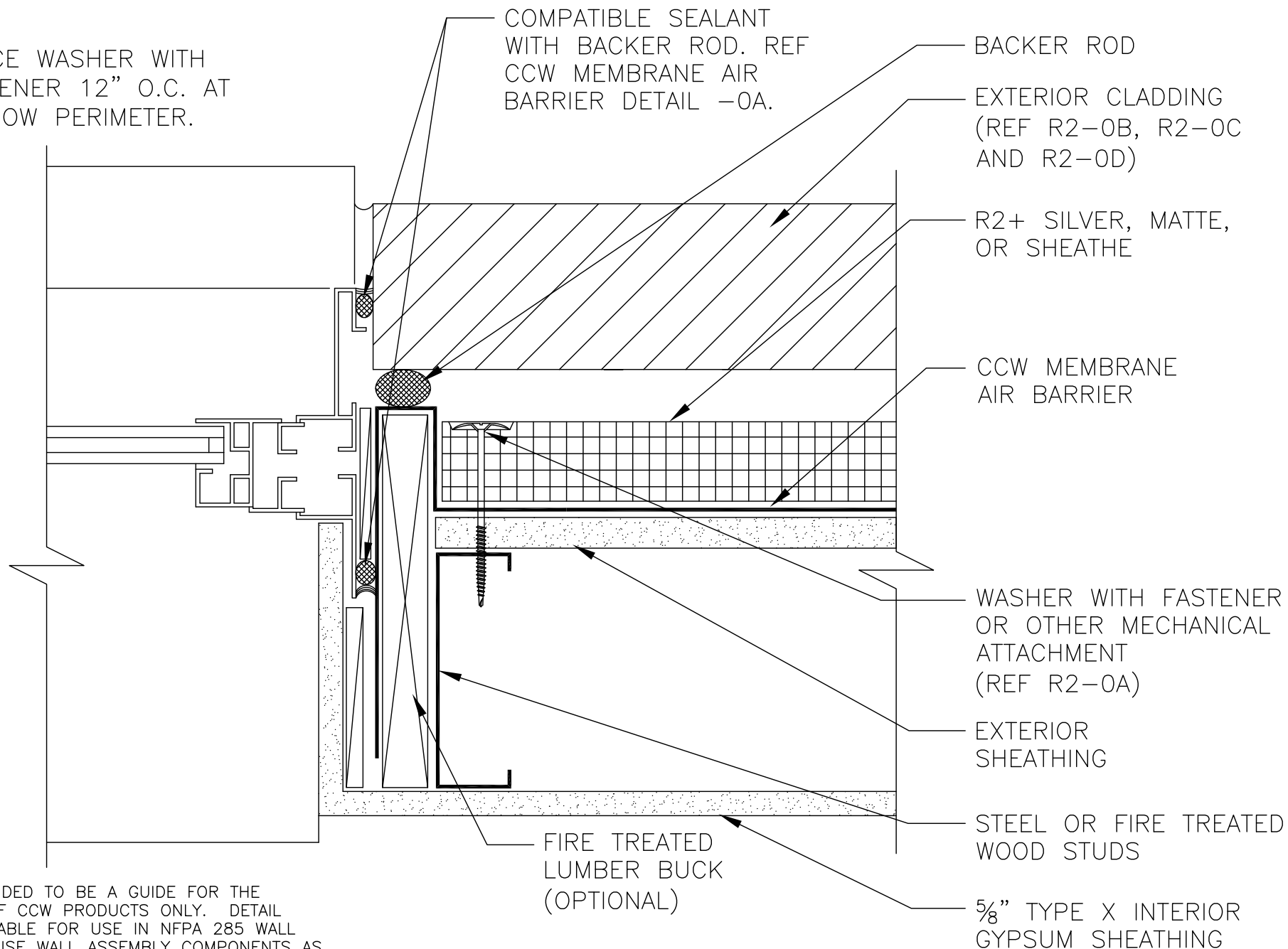
POLISO INSULATION
PUNCHED WINDOW - SILL

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NOTES:

1. SPACE WASHER WITH FASTENER 12" O.C. AT WINDOW PERIMETER.



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R2-5B

POLYISO INSULATION
PUNCHED WINDOW - JAMB

NOTES:

1. SPACE WASHER WITH FASTENER 12" O.C. AT WINDOW PERIMETER.

5/8" TYPE X INTERIOR GYPSUM SHEATHING

STEEL OR FIRE TREATED WOOD STUDS

FIRE TREATED LUMBER BUCK (OPTIONAL)

COMPATIBLE SEALANT WITH BACKER ROD. REF CCW MEMBRANE AIR BARRIER DETAIL -0A.

EXTERIOR SHEATHING

CCW MEMBRANE AIR BARRIER

R2+ SILVER, MATTE, OR SHEATHE

EXTERIOR CLADDING (REF R2-0B, R2-0C AND R2-0D)

CCW-705 TWF

WEEP HOLES 24" O/C

WASHER WITH FASTENER OR OTHER MECHANICAL ATTACHMENT (REF R2-0A)

METAL DRIP EDGE. KEEP 705 TWF BACK 1/2" MIN. FROM EXTERIOR

DETAIL IS INTENDED TO BE A GUIDE FOR THE INSTALLATION OF CCW PRODUCTS ONLY. DETAIL SHOWN IS SUITABLE FOR USE IN NFPA 285 WALL ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-5C

POLYISO INSULATION
PUNCHED WINDOW - HEAD

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ACCEPTABLE
SHEATHING

CCW MEMBRANE
AIR BARRIER

4'x8' R2+ SILVER,
MATTE, OR SHEATHE

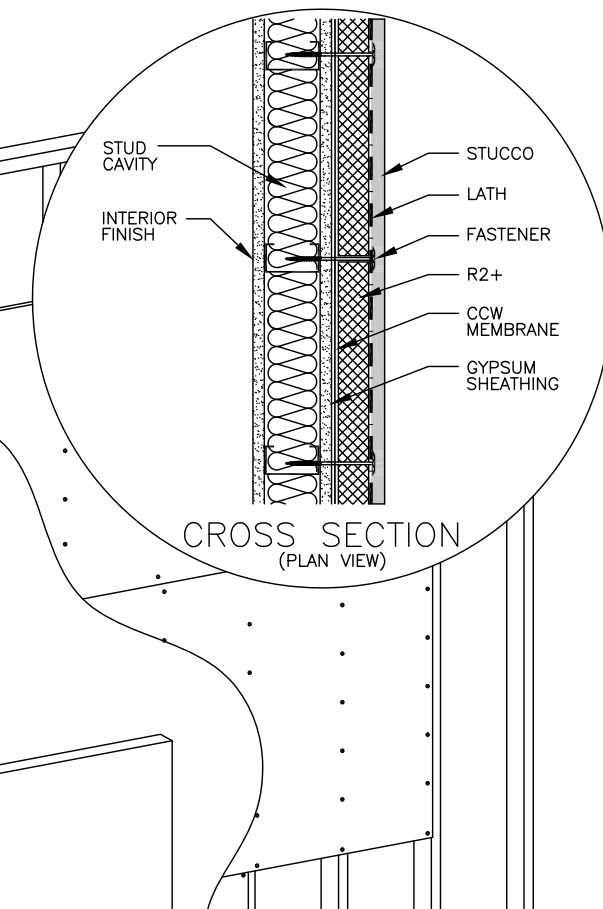
BUILDING PAPER OR
WRAP (OPTIONAL)

STUCCO LATH

METAL PLATE SCREWS
OVER STUCCO LATH &
R2+ (REF R2-0A)
FASTENER SPACING AS
REQUIRED BY CODE
TO SECURE STUCCO

STUCCO

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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.



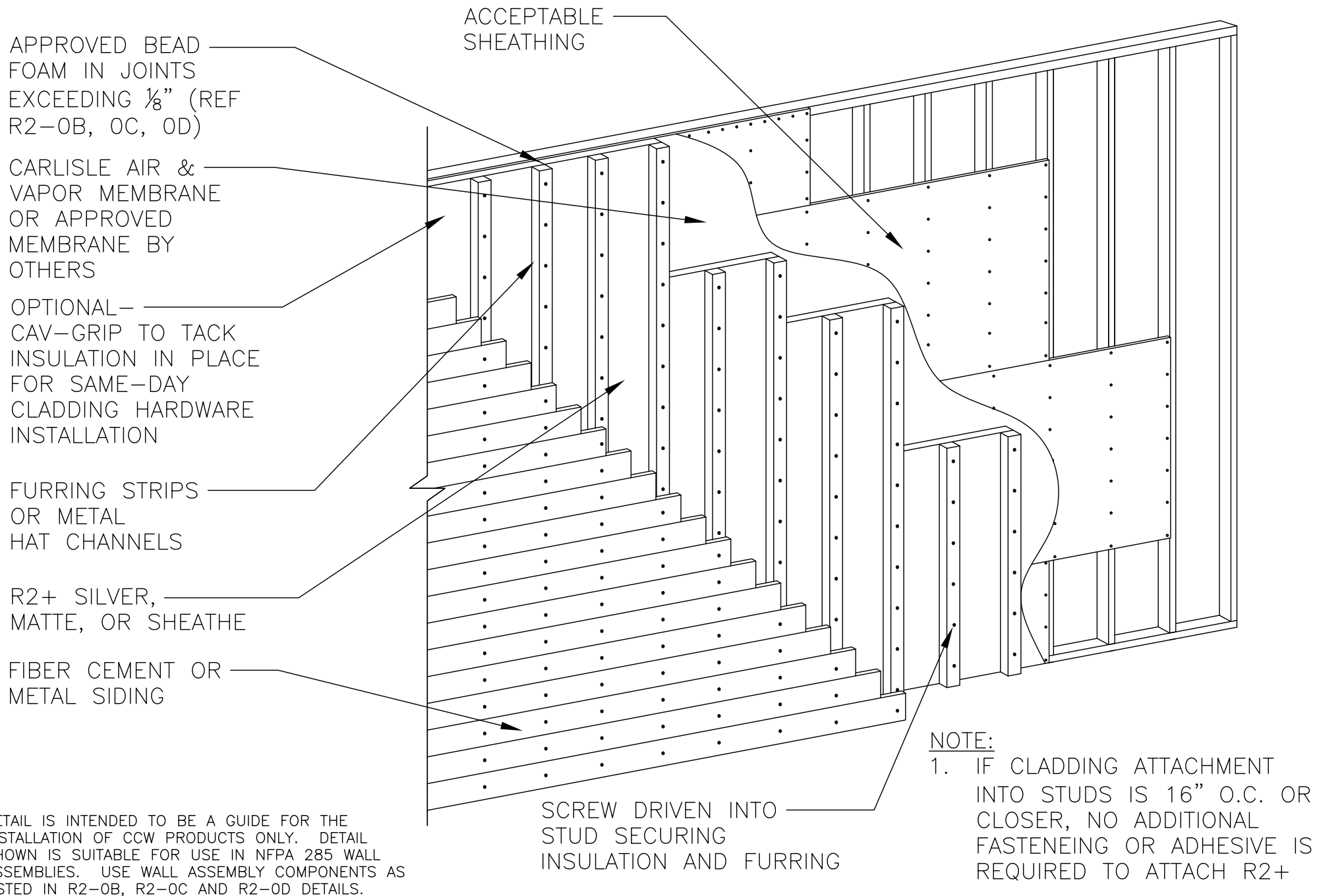
BEFORE THE STUCCO LATH IS
FASTENED, R2+ BOARDS CAN BE
SECURED AS FOLLOWS:
SAME DAY ATTACHMENT OF LATH:
TACK R2+ BOARDS IN PLACE WITH
CAV-GRIP.
UP TO 60 DAYS UNTIL LATH
ATTACHMENT: SECURE R2+ BOARDS
USING ADHESIVE (REF R2-2B) OR
TEMPORARY FASTENING TECHNIQUE
(REF R2-C)

R2-6A

4'X8' POLYISO INSULATION w/
STUCCO LATH

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R2-6B

4'x8' POLYISO INSULATION SECURED WITH
FURRING STRIPS

NOTES:

1. CAV-GRIP MAY BE USED AS A PLACEMENT AID TO FACILITATE INSTALLATION.

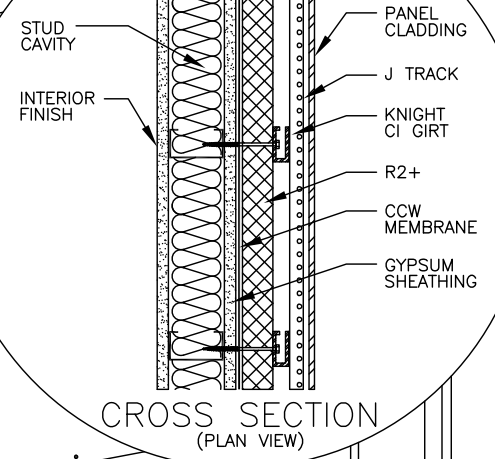
CCW MEMBRANE
AIR BARRIER

4'x8' R2+ SILVER,
MATTE, OR SHEATHE
(25 psi REQUIRED)

KNIGHT CI CLADDING
ATTACHMENT SYSTEM

ACCEPTABLE
SHEATHING

18 GAUGE STEEL STUDS
OR FIRE-TREATED WOOD
REQUIRED.



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SHOWN IS SUITABLE FOR USE IN NFPA 285 WALL
ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-6C

4'X8' POLYISO INSULATION
UNDER KNIGHT CI SYSTEM

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18 GAUGE STEEL STUDS
OR FIRE-TREATED WOOD
REQUIRED.

ACCEPTABLE
SHEATHING

$\frac{3}{8}$ " THICK x 3"
DIAMETER DABS OF
CCW-LM-800XL 16" O.C.

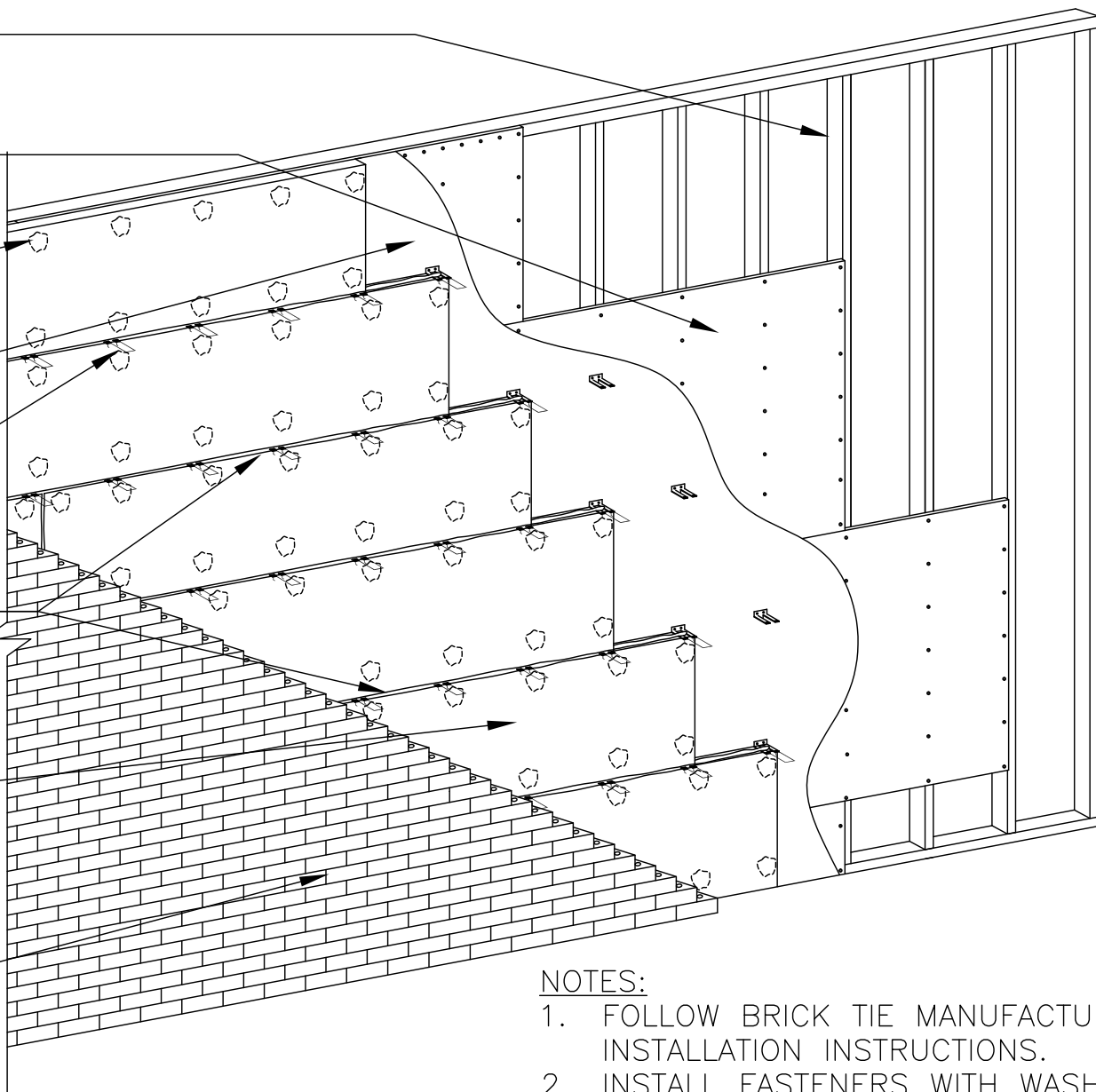
CCW MEMBRANE
AIR BARRIER

VENEER ANCHOR,
FASTENED TO STUD

FILL GAPS BETWEEN
INSULATION BOARDS EXCEEDING
 $\frac{1}{8}$ " WIDTH WITH FOAM SEALANT,
(REF.R2-0B, 0C, 0D)

FACTORY CUT
R2+ SILVER,
MATTE, OR SHEATHE
(12",16",24" OR
CUSTOM WIDTH)

BRICK



NOTES:

1. FOLLOW BRICK TIE MANUFACTURER INSTALLATION INSTRUCTIONS.
2. INSTALL FASTENERS WITH WASHER PLATES AS REQUIRED TO SNUG INSULATION OVER NON-PLUMB SURFACES.

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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-6D

FACTORY CUT POLYISO INSULATION
BETWEEN ROWS OF BRICK TIES

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NOTES:

1. FOLLOW BRICK TIE MANUFACTURER INSTALLATION INSTRUCTIONS.

$\frac{3}{8}$ " THICK x 3"
DIAMETER DABS OF
CCW-LM-800XL 16" O.C.

CCW MEMBRANE
AIR BARRIER

VENEER ANCHOR,
CAST IN CMU WALL

FILL GAPS BETWEEN
INSULATION BOARDS
EXCEEDING $\frac{1}{8}$ " WIDTH:
WITH FOAM SEALANT
(REF.R2-0B, 0C OR 0D)

16"x8' R2+ SILVER,
MATTE, OR SHEATHE

BRICK

CMU

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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-6E

16"x8' POLYISO INSULATION
MASONRY CAVITY WALL

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18 GAUGE STEEL STUDS
OR FIRE-TREATED WOOD
REQUIRED.

ACCEPTABLE
SHEATHING

CCW MEMBRANE
AIR BARRIER

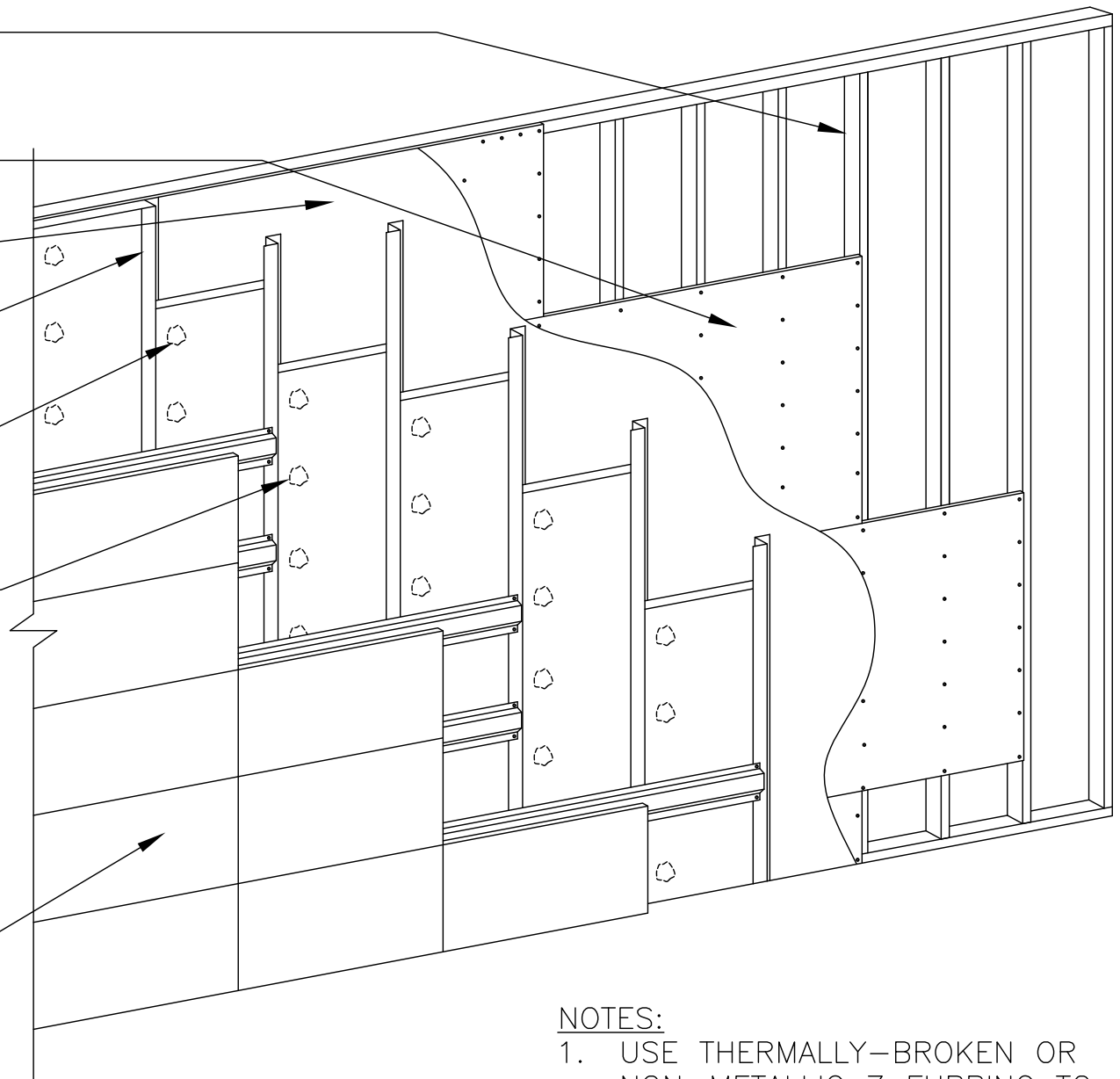
Z-FURRING
ATTACHED
VERTICALLY

24"x8' R2+ SILVER,
MATTE, OR SHEATHE

INSTALL 1 ROW OF
FASTENERS INTO STUDS
OR DABS OF
CCW-LM-800XL
16" O.C. IF Z FURRING
AND CLADDING TRACKS DO
NOT TIGHTLY HOLD R2+

CAV-GRIP CAN BE USED TO
TACK INSULATION IN PLACE
FOR SAME-DAY FURRING
INSTALLATION

PANELS



NOTES:

1. USE THERMALLY-BROKEN OR NON-METALLIC Z FURRING TO COMPLY WITH "CI" REQUIREMENT

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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-6G

24"x8' POLYISO INSULATION
BETWEEN VERTICAL Z-FURRING

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ACCEPTABLE
SHEATHING

CCW MEMBRANE
AIR BARRIER

Z-FURRING
ATTACHED
HORIZONTALLY

24"x8' R2+ SILVER,
MATTE, OR SHEATHE

INSTALL 1 ROW OF
FASTENERS INTO STUDS
OR DABS OF
CCW-LM-800XL

16" O.C. IF Z FURRING
AND CLADDING TRACKS DO
NOT TIGHTLY HOLD R2+

CAV-GRIP CAN BE USED TO
TACK INSULATION IN PLACE
FOR SAME-DAY FURRING
INSTALLATION

Z-FURRING
ATTACHED
VERTICALLY

PANELS

NOTES:

1. STANDARD METAL Z FURRING
CAN BE USED.

18 GAUGE STEEL STUDS
OR FIRE-TREATED WOOD
REQUIRED.

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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-6H

24"x8' POLYISO INSULATION BETWEEN
1st LAYER HORIZONTAL Z-FURRING,
2nd LAYER VERTICAL

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NOTES:

1. INSTALL APPROVED FASTENERS (REF R2-0A) 16" O.C. ALONG STUD LINE AND 12" O.C. ON PERIMETER.
2. CAV-GRIP MAY BE USED AS A PLACEMENT AID TO FACILITATE INSTALLATION.

FASTENING 16" O.C.
IN FIELD

CARLISLE AIR &
VAPOR MEMBRANE
OR APPROVED
MEMBRANE BY OTHERS

INSTALL EXTRA FASTENERS
FOR TIGHTER HOLD OF R2+
BOARDS AT T-JOINTS

SCREW-IN BRICK TIES
FITTED WITH RODENHOUSE
THERMA-GRIP BRICK TIE
WASHERS (REF R2-0A)

4'x8' R2+ SILVER,
MATTE, OR SHEATHE

FASTENING 12"
O.C. AT PERIMETER

ACCEPTABLE
SHEATHING

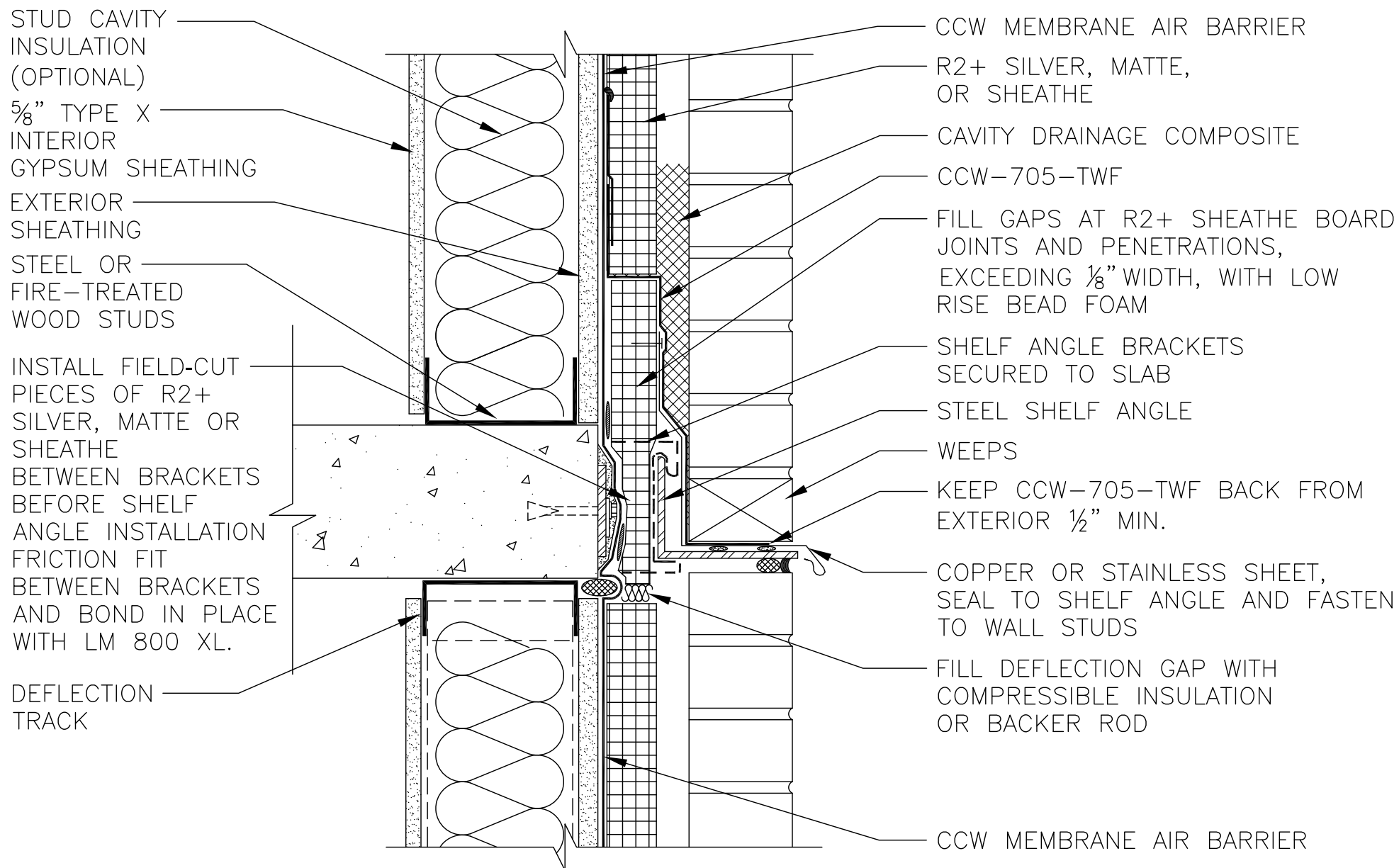
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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-6J

4'X8' POLYISO INSULATION SECURED w/
SCREW IN BRICK TIES

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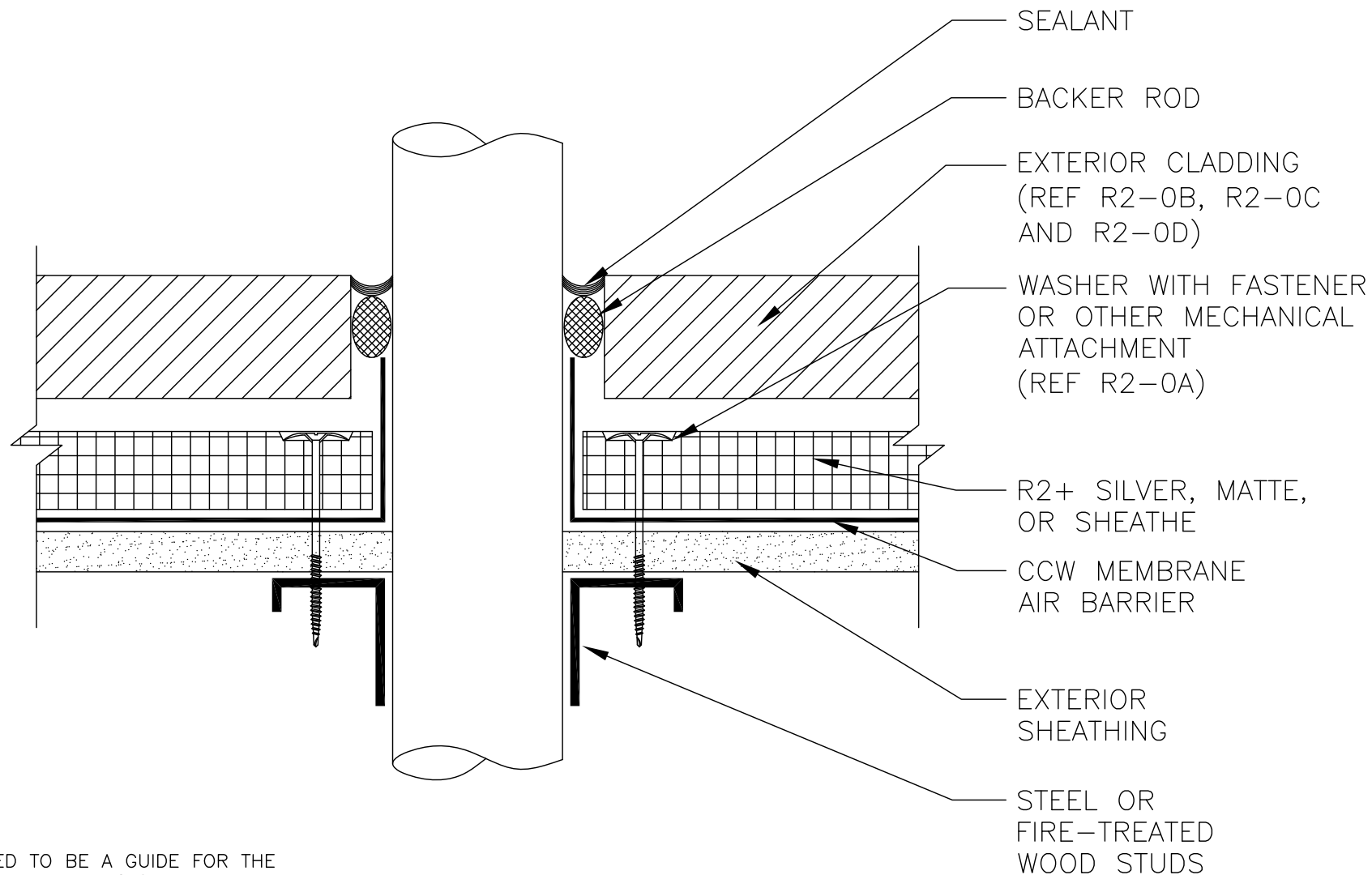
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R2-7A

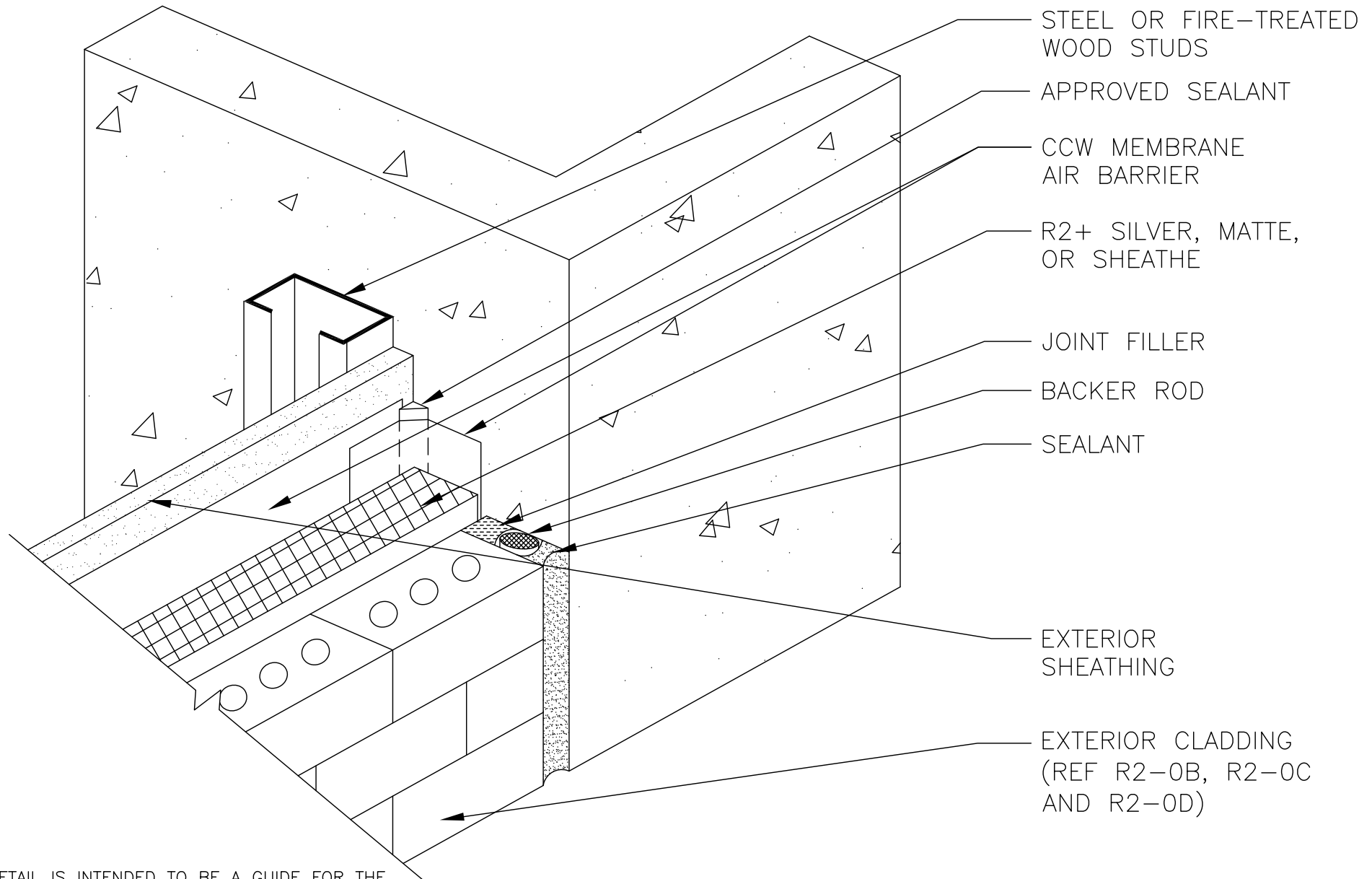
POLYISO INSULATION
SHELF ANGLE



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ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-8

PIPE AND PENETRATION FLASHING



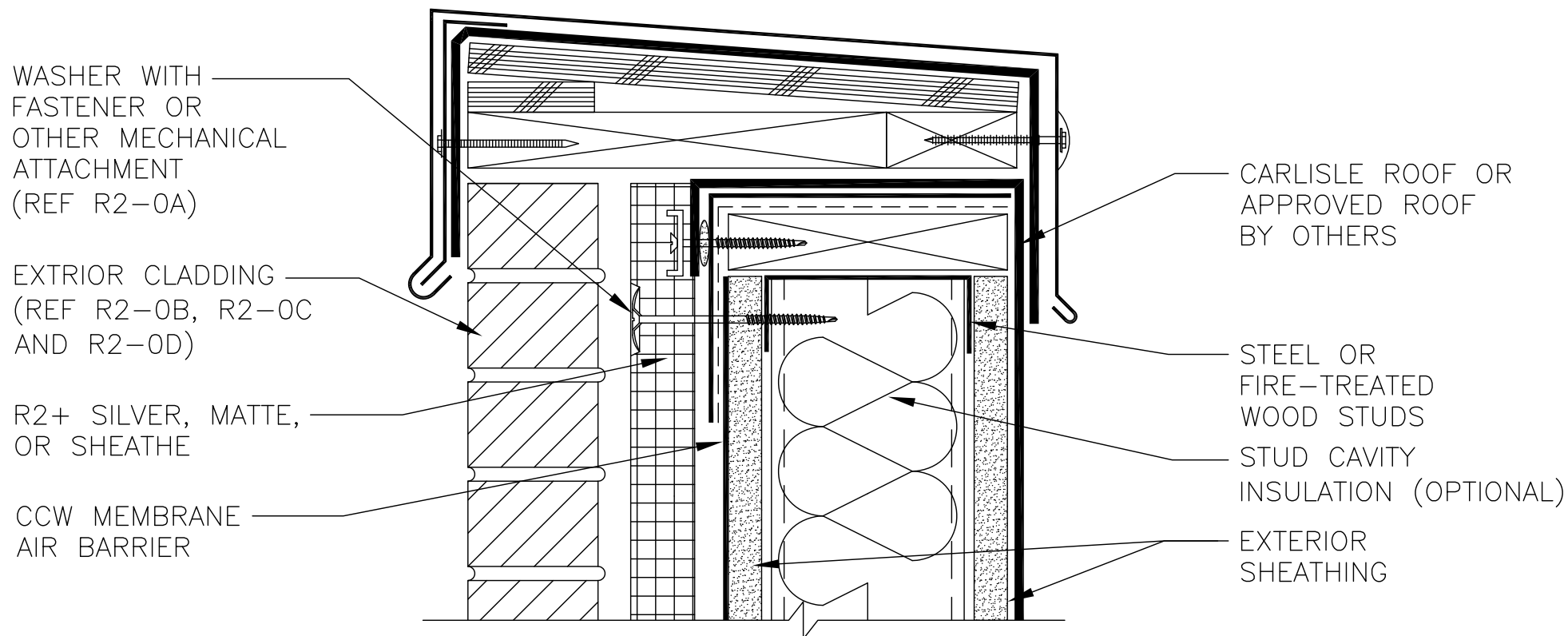
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LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-9

TERMINATION AT EXISTING

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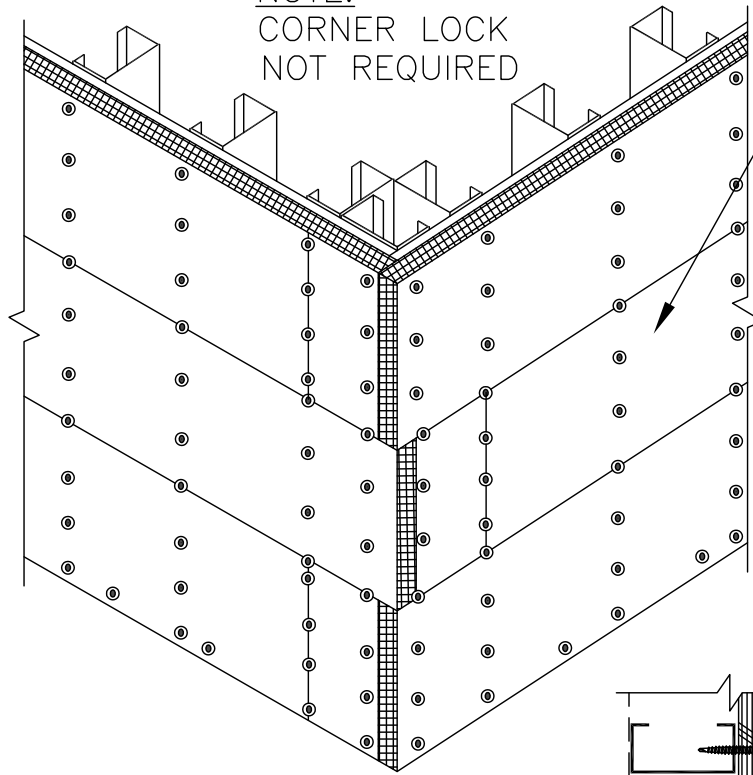


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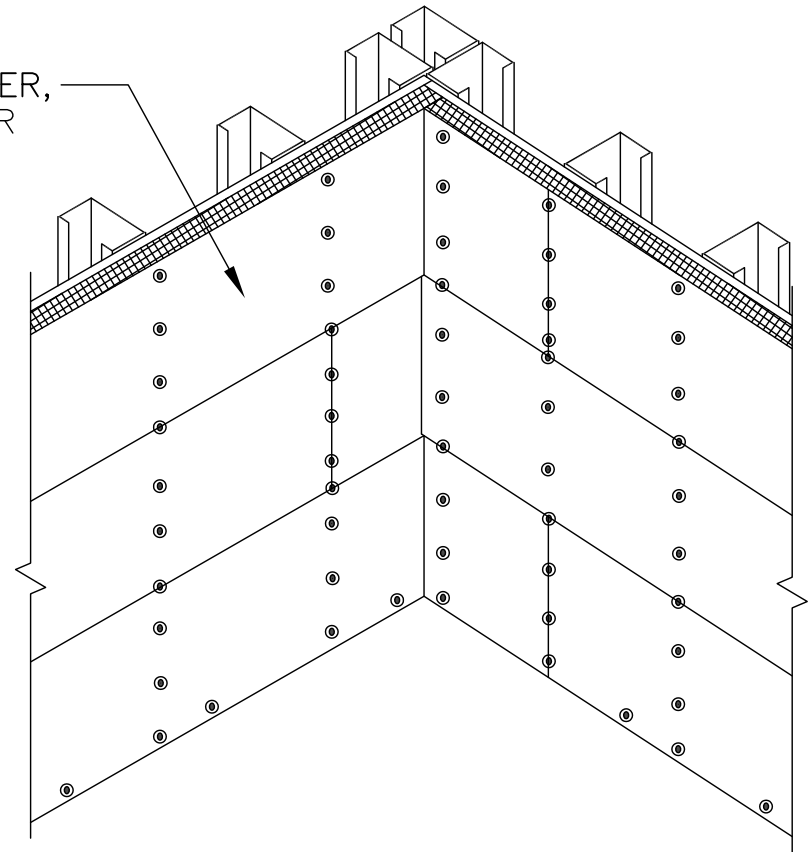
R2-11

POLYISO INSULATION
AT PARAPET

NOTE:
CORNER LOCK
NOT REQUIRED

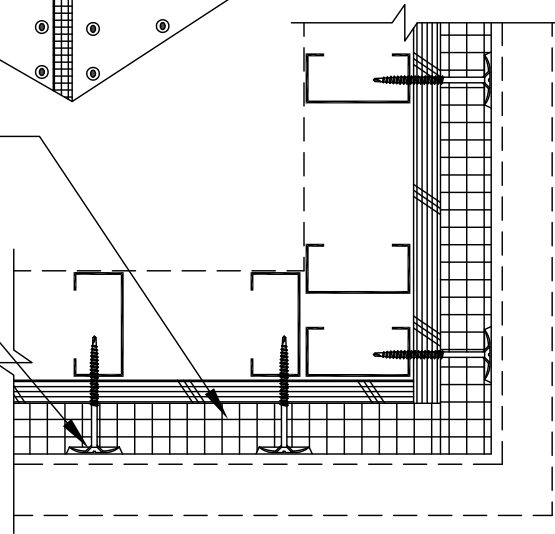


R2+ SILVER,
MATTE, OR
SHEATHE

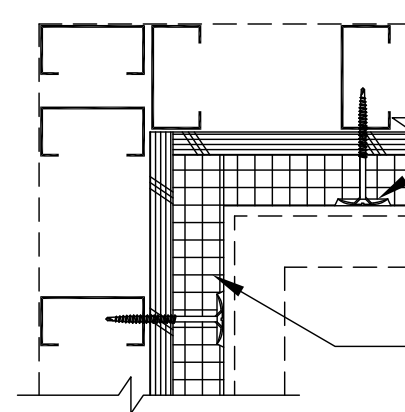


R2+ SILVER,
MATTE, OR
SHEATHE

WASHER WITH
FASTENER OR
OTHER
MECHANICAL
ATTACHMENT
(REF R2-0A)



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LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.



WASHER WITH
FASTENER OR
OTHER MECHANICAL
ATTACHMENT
(REF R2-0A)

R2+ SILVER,
MATTE, OR SHEATHE

R2-15

OUTSIDE/INSIDE CORNERS

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STUD CAVITY
INSULATION
(OPTIONAL)

5/8" TYPE X
INTERIOR GYPSUM
SHEATHING

EXTERIOR
SHEATHING

STEEL OR
FIRE-TREATED
WOOD STUDS

INSULFOAM EPS—
OR OTHER INSULATION
APPROVED FOR
BELOW GRADE

CCW MEMBRANE
AIR BARRIER

EXTERIOR CLADDING
(REF R2-0B, R2-0C
AND R2-0D)

R2+ SILVER, MATTE,
OR SHEATHE

CCW-705-TWF

WASHER WITH FASTENER
OR OTHER MECHANICAL
ATTACHMENT (REF R2-0A)

WEEP HOLES 24" O/C

GRADE

METAL DRIP EDGE

CAVITY FULLY GROUTED

CARLISLE WATERPROOFING
OR APPROVED SYSTEM
BY OTHERS

DETAIL IS INTENDED TO BE A GUIDE FOR THE
INSTALLATION OF CCW PRODUCTS ONLY. DETAIL
SHOWN IS SUITABLE FOR USE IN NFPA 285 WALL
ASSEMBLIES. USE WALL ASSEMBLY COMPONENTS AS
LISTED IN R2-0B, R2-0C AND R2-0D DETAILS.

R2-16

POLYISO INSULATION
FOUNDATION TIE-IN

CARLISLE
COATINGS & WATERPROOFING

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