

20200902 FINAL DOCUMENT

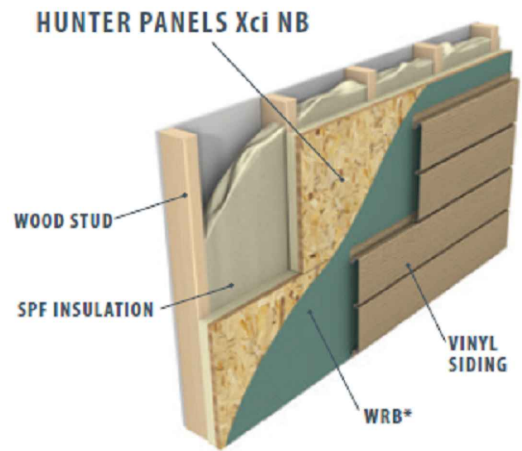
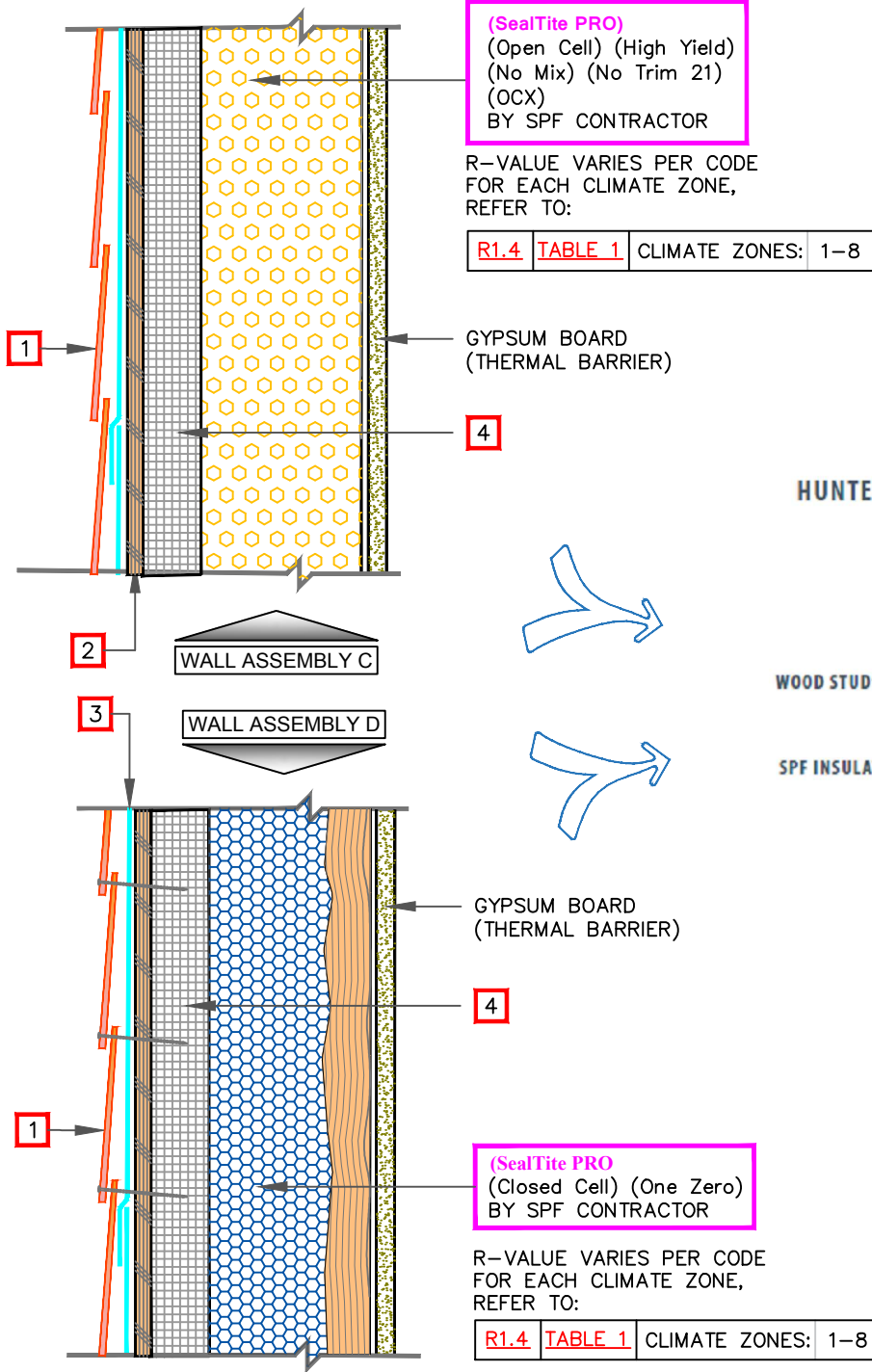


SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

WALL ASSEMBLY A: ocSPF &
 WALL ASSEMBLY B: ccSPF

R2.1

For additional information, refer to Specifications



NOTES:

1. VARIOUS APPLICABLE EXTERIOR CLADDING TYPES (BY OTHERS).
2. PLYWOOD/OSB/GYPSUM, OR OTHER APPLICABLE SUBSTRATES (BY OTHERS).
3. WEATHER RESISTANT BARRIER (BY OTHERS)
4. CONTINUOUS RIGID BOARD INSULATION (THICKNESS VARIES, AS REQUIRED FOR EACH CLIMATE ZONE) OR USE HUNTER PANELS Xci NB (COMPOSITE OF INSULATION & PLYWOOD/OSB)

20200902 FINAL DOCUMENT

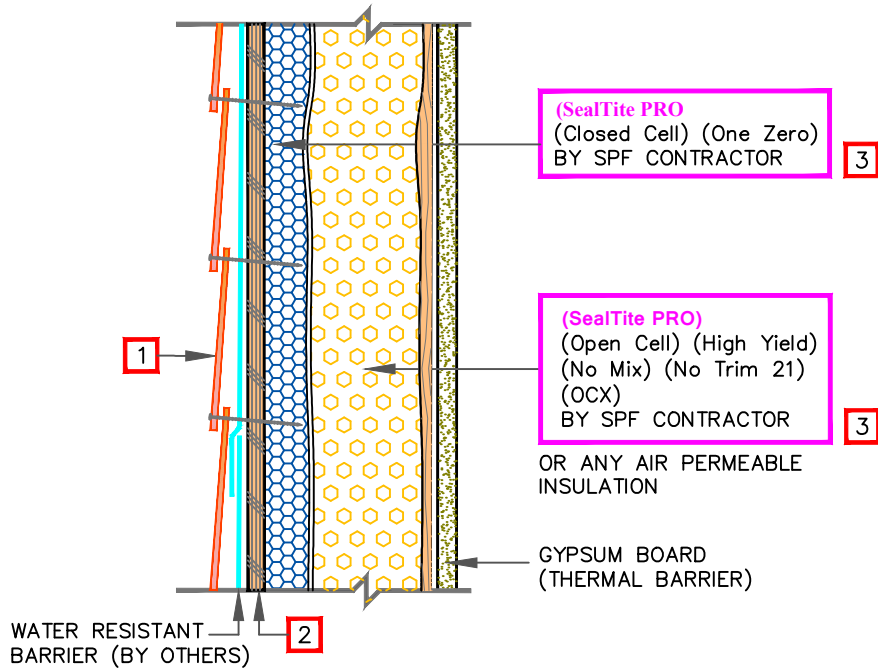


SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

WALL ASSEMBLY C: ocSPF &
 WALL ASSEMBLY D: ccSPF WITH
 RIGID BOARDS

R2.2

For additional information, refer to Specifications



NOTES:

1. VARIOUS APPLICABLE EXTERIOR CLADDING (BY OTHERS).
2. PLYWOOD/OSB/GYPSUM OR OTHER APPLICABLE SUBSTRATES (BY OTHERS).
3. R-VALUES VARY PER CODE FOR EACH CLIMATE ZONE. REFER TO:

R1.4	TABLE 2	CLIMATE ZONES:	5-8
------	---------	----------------	-----

20200902 FINAL DOCUMENT

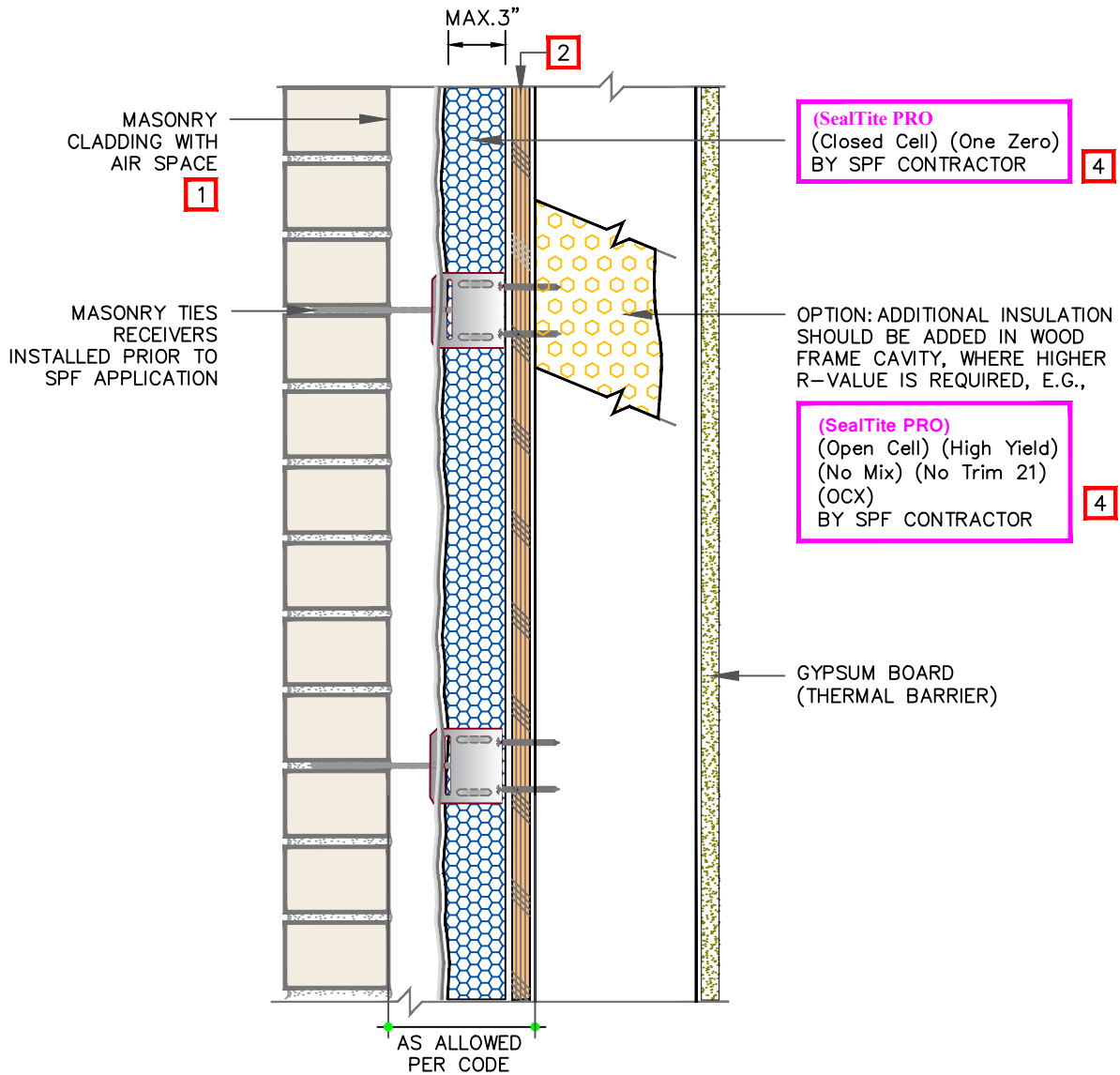


SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

WALL ASSEMBLY E:
HYBRID ccSPF & ocSPF
INSULATIONS

R2.3

For additional information, refer to Specifications



NOTES:

1. VARIOUS APPLICABLE EXTERIOR CLADDING TYPES (BY OTHERS).
2. PLYWOOD/OSB/GYPSUM, OR OTHER APPLICABLE SUBSTRATES (BY OTHERS).
3. SPRAY FOAM CONTRACTOR TO COORDINATE WITH MASONRY CONTRACTOR FOR SEQUENCE OF CONSTRUCTION. ANY INSPECTIONS REQUIRED FOR SPF INSTALLATION MUST BE COMPLETED PRIOR TO MASONRY WORK.
4. R-VALUES VARY PER CODE FOR EACH CLIMATE ZONE. REFER TO:

R1.4 **TABLE 1** CLIMATE ZONES: 1-8

20200902 FINAL DOCUMENT



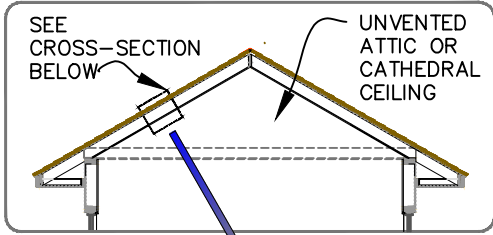
SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

WALL ASSEMBLY F:
ccSPF IN MASONRY CAVITY

R2.4

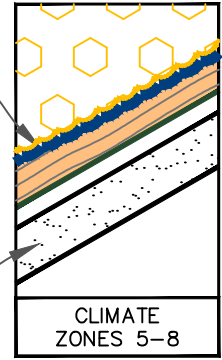
For additional information, refer to Specifications

STEEP SLOPE ROOF



USE CLASS II VAPOR RETARDER

THERMAL / IGNITION BARRIER **3**



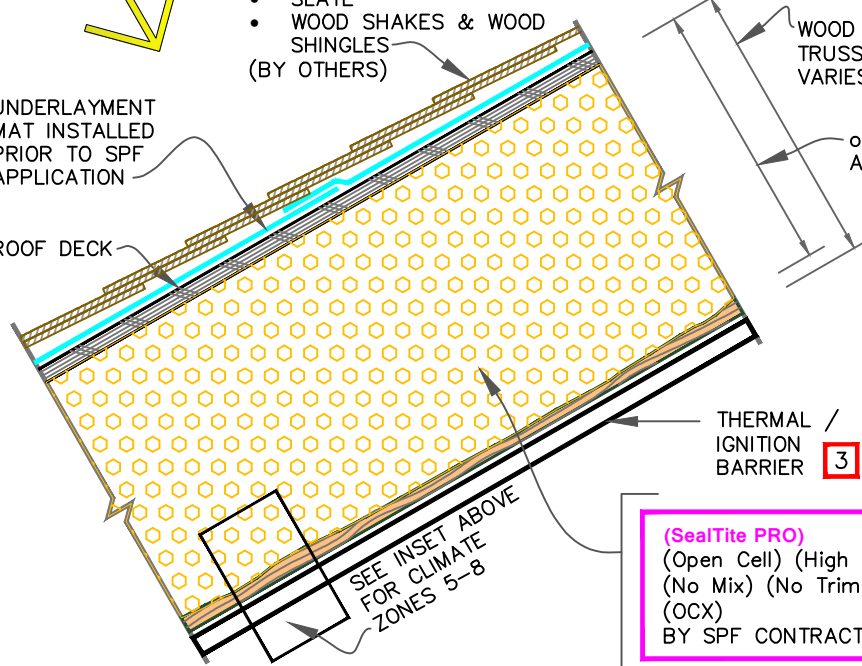
CLIMATE ZONES 5-8

SYMBOL FOR:

- ASPHALT SHINGLES **1** **2**
- CLAY & CONCRETE TILES
- METAL SHINGLES & SYNTHETICS
- METAL ROOF PANELS
- SLATE
- WOOD SHAKES & WOOD SHINGLES (BY OTHERS)

UNDERLAYMENT MAT INSTALLED PRIOR TO SPF APPLICATION

ROOF DECK



WOOD RAFTERS / TRUSSES - DEPTH VARIES

ocSPF DEPTH VARIES - AS REQUIRED BY CODE

THERMAL / IGNITION BARRIER **3**

(SealTite PRO)
 (Open Cell) (High Yield)
 (No Mix) (No Trim 21)
 (OCX)
 BY SPF CONTRACTOR

FOR THICKNESS & R-VALUES, REFER TO:

R1.5	TABLE 1	CLIMATE ZONES: 1-4
-------------	----------------	--------------------

NOTES:

1. FOR WOOD SHAKES & WOOD SHINGLES, AIR GAP IS REQUIRED PER CODE R806.5.3.
2. PRODUCTS RECOMMENDED BY THEIR MANUFACTURERS IN INSULATED ROOF ASSEMBLIES, MAY BE SELECTED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. PRESCRIPTIVE THERMAL/INSULATION BARRIERS OR ALTERNATIVE THERMAL/IGNITION BARRIERS (INTUMESCENT COATINGS) MAY BE REQUIRED.
4. IGNITION BARRIERS ARE NOT REQUIRED, IF SEALTITE PRO OCX IS USED.
5. REFER TO [3.6](#) FOR AN ALTERNATIVE APPROACH TO ELIMINATE IGNITION BARRIER.

20200902 FINAL DOCUMENT



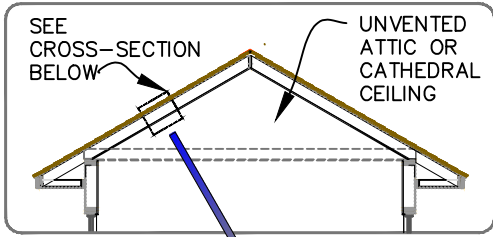
STEEP ROOF: ocSPF INSULATION

R3.1

SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

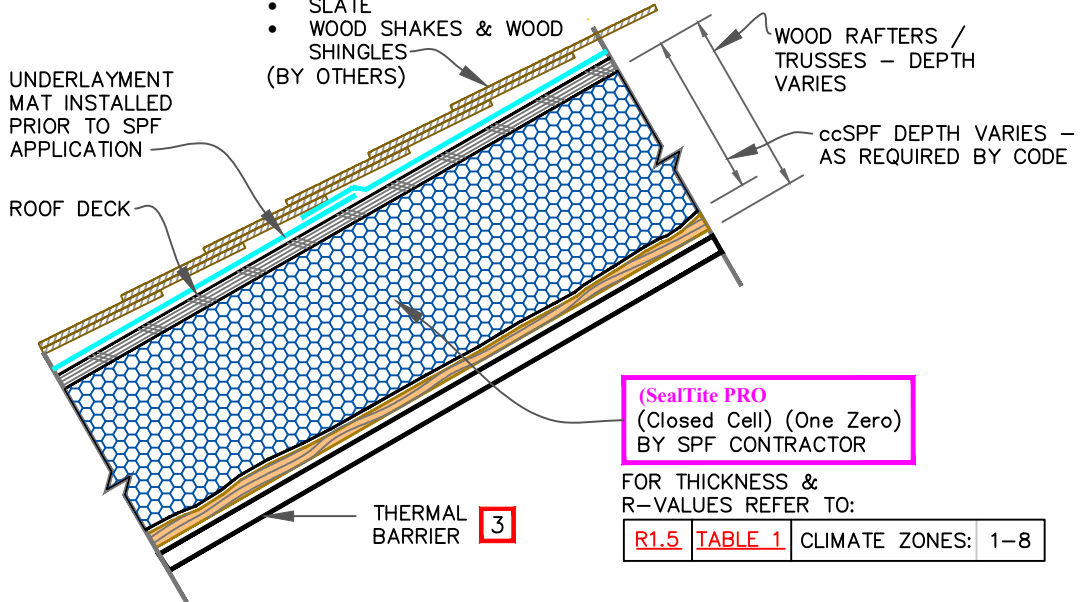
For additional information, refer to Specifications

STEEP SLOPE ROOF



SYMBOL FOR:

- ASPHALT SHINGLES
- CLAY & CONCRETE TILES
- METAL SHINGLES & SYNTHETICS
- METAL ROOF PANELS
- SLATE
- WOOD SHAKES & WOOD SHINGLES (BY OTHERS)



NOTES:

1. FOR WOOD SHAKES & WOOD SHINGLES, AIR GAP IS REQUIRED PER CODE R806.5.3.
2. PRODUCTS RECOMMENDED BY THEIR MANUFACTURERS IN INSULATED ROOF ASSEMBLIES, MAY BE SELECTED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. PRESCRIPTIVE THERMAL BARRIER OR ALTERNATIVE THERMAL BARRIER (INTUMESCENT COATINGS) MAY BE REQUIRED).

20200902 FINAL DOCUMENT

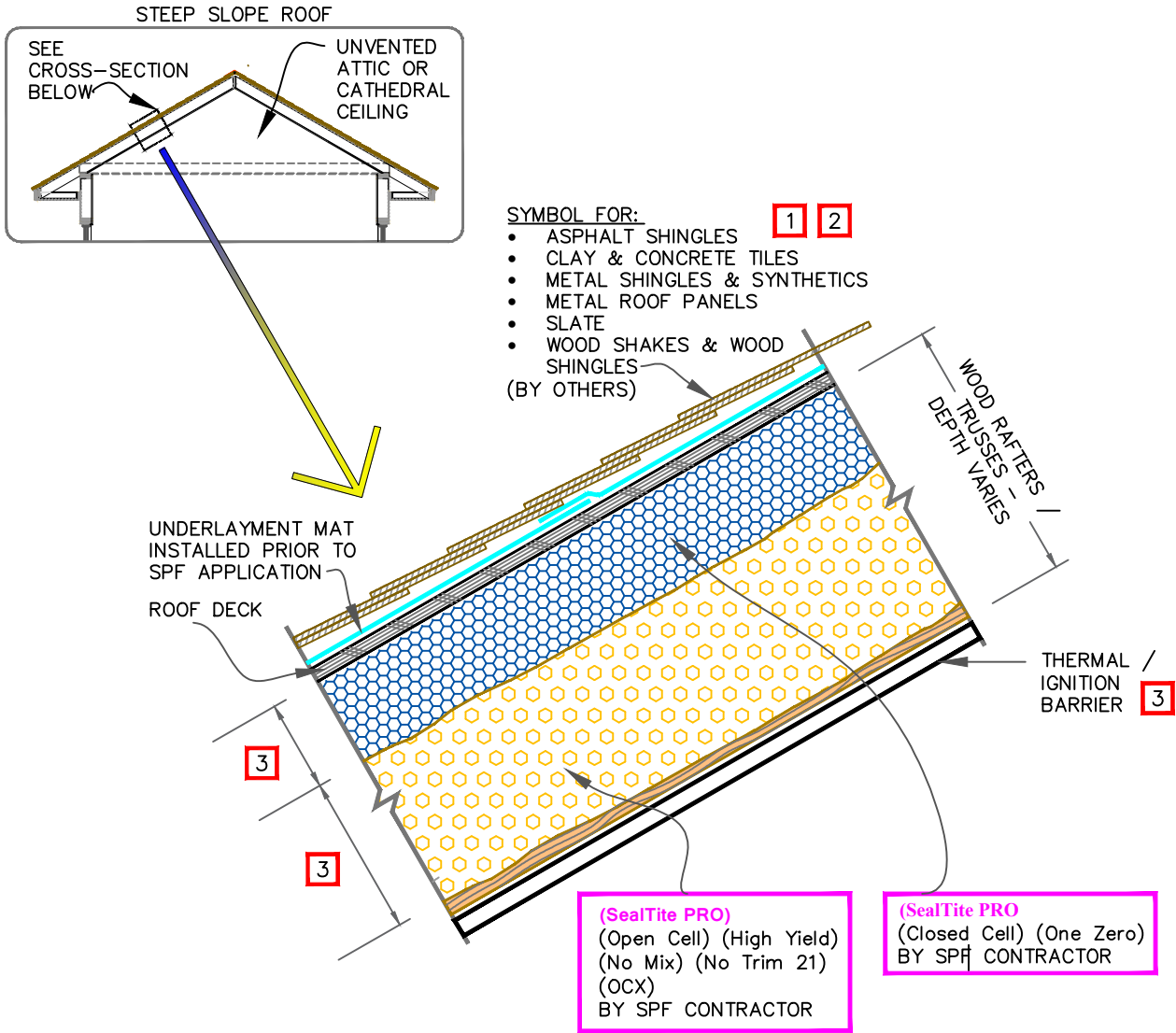


STEEP ROOF: ccSPF INSULATION

R3.2

SPF	SPRAY POLYURETHANE FOAM		NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

For additional information, refer to Specifications



NOTES:

- FOR WOOD SHAKES & WOOD SHINGLES, AIR GAP IS REQUIRED PER CODE R806.5.3.
- PRODUCTS RECOMMENDED BY THEIR MANUFACTURERS IN INSULATED ROOF ASSEMBLIES, MAY BE SELECTED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- FOR THICKNESS & R-VALUES REFER TO:

R1.5	TABLE 2	CLIMATE ZONES:	5-8
------	---------	----------------	-----
- PRESCRIPTIVE THERMAL/INSULATION BARRIERS OR ALTERNATIVE THERMAL/IGNITION BARRIERS (INTUMESCENT COATINGS) MAY BE REQUIRED.
- IGNITION BARRIERS ARE NOT REQUIRED, IF SEALTITE PRO OCX IS USED.
- REFER TO 3.6 FOR AN ALTERNATIVE APPROACH TO ELIMINATE IGNITION BARRIER.

20200902 FINAL DOCUMENT

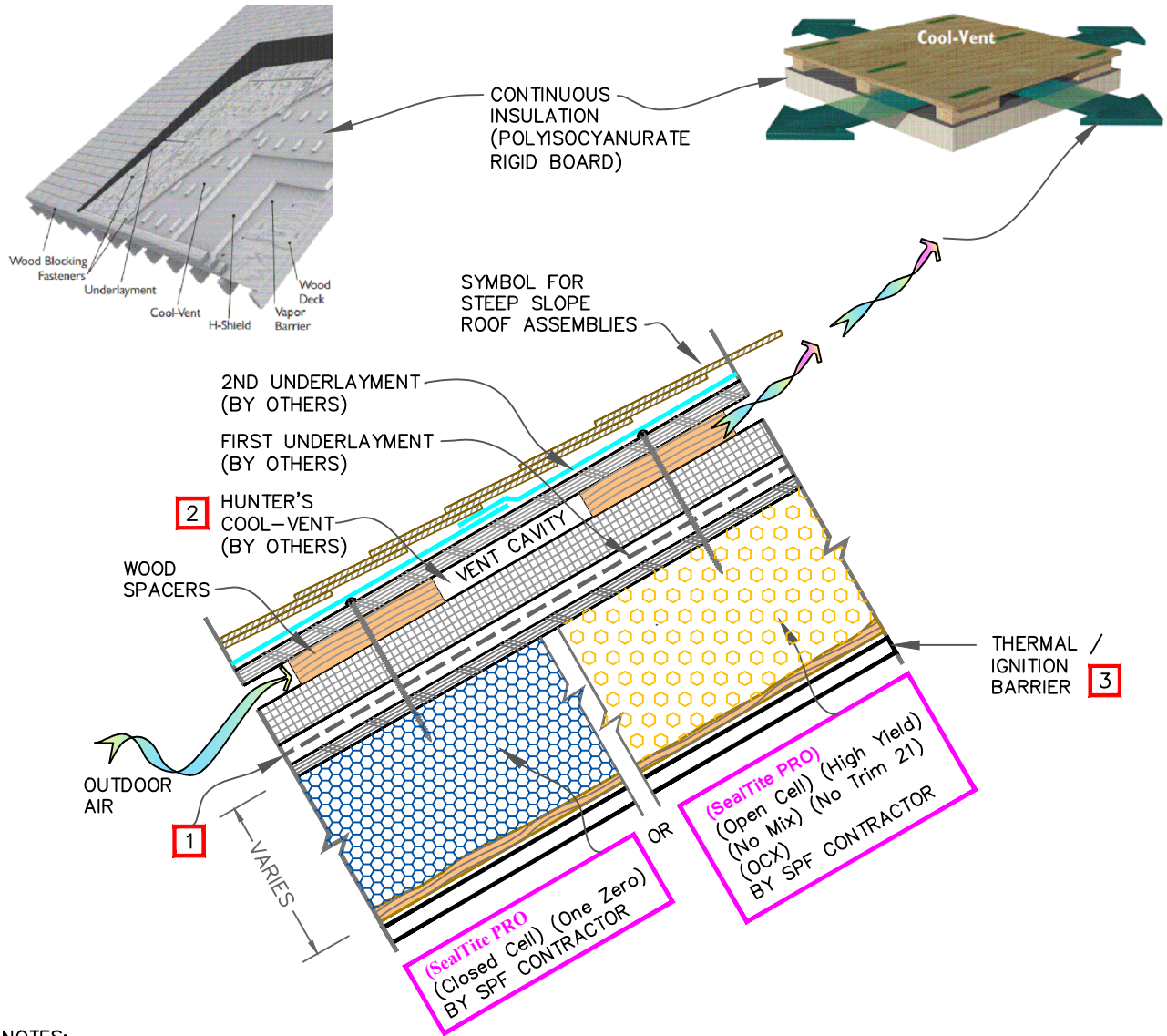


SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM	Blue pattern	ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM	Orange pattern	ocSPF

STEEP ROOF:
HYBRID ocSPF and ccSPF
INSULATIONS

R3.3

For additional information, refer to Specifications



NOTES:

1. FIRST UNDERLAYMENT / VAPOR BARRIER MAY NOT BE REQUIRED, IF DECK IS ALREADY COVERED WITH COOL-VENT PRIOR TO SPF APPLICATION. OTHERWISE, INSTALL IT TO PROTECT SPF FROM ELEMENTS.
2. DESIGNER TO REFER TO COOL-VENT GUIDE BY HUNTER PANELS FOR EAVE & RIDGE DETAILS AND ADDITIONAL INFORMATION.
3. FOR THICKNESS & R-VALUES, REFER TO:

R1.5	TABLE 1	CLIMATE ZONES:	5-8
------	---------	----------------	-----
4. REFER TO [R3.1](#) AND [R3.2](#) FOR THERMAL OR IGNITION BARRIER REQUIREMENTS.

20200902 FINAL DOCUMENT



SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM	ccSPF	
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM	ocSPF	

STEEP ROOF:
ocSPF/ccSPF AND RIGID BOARD
WITH VENTED DECK

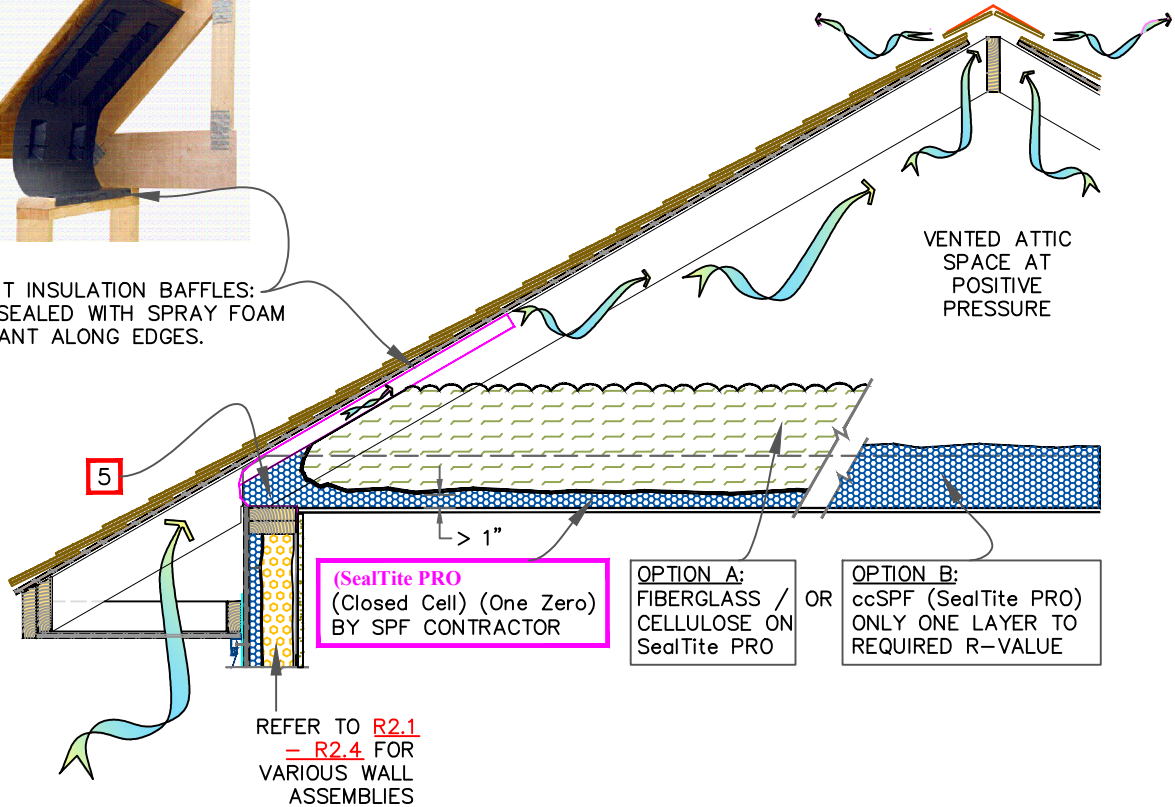
R3.4

For additional information, refer to Specifications

SHOWN: AccuVent SOFFIT INSULATION BAFFLE



SOFFIT INSULATION BAFFLES: AIR-SEALED WITH SPRAY FOAM SEALANT ALONG EDGES.



NOTES:

1. PROVIDE PROPER VENTILATION DURING SPF INSTALLATION & 24 HOURS AFTER INSTALLATION.
2. INSPECT ccSPF, FOR AIR TIGHTNESS ON ATTIC FLOOR, PRIOR TO COVERING IT WITH OTHER INSULATION TYPES.
4. SEAL AROUND PENETRATIONS, LIGHT FIXTURES WITH PROPER GASKETS. (BY OTHERS). SPF CONTRACTOR TO ENSURE THAT CEILING PENETRATIONS ARE KEPT CLEAN FROM SPF.
5. INSULATION R-VALUE ABOVE THE TOP PLATE TO BE GREATER THAN THE R-VALUE OF WALL ASSEMBLY.
6. R-VALUES PER APPLICABLE CODE.

20200902 FINAL DOCUMENT



SPF	SPRAY POLYURETHANE FOAM		NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

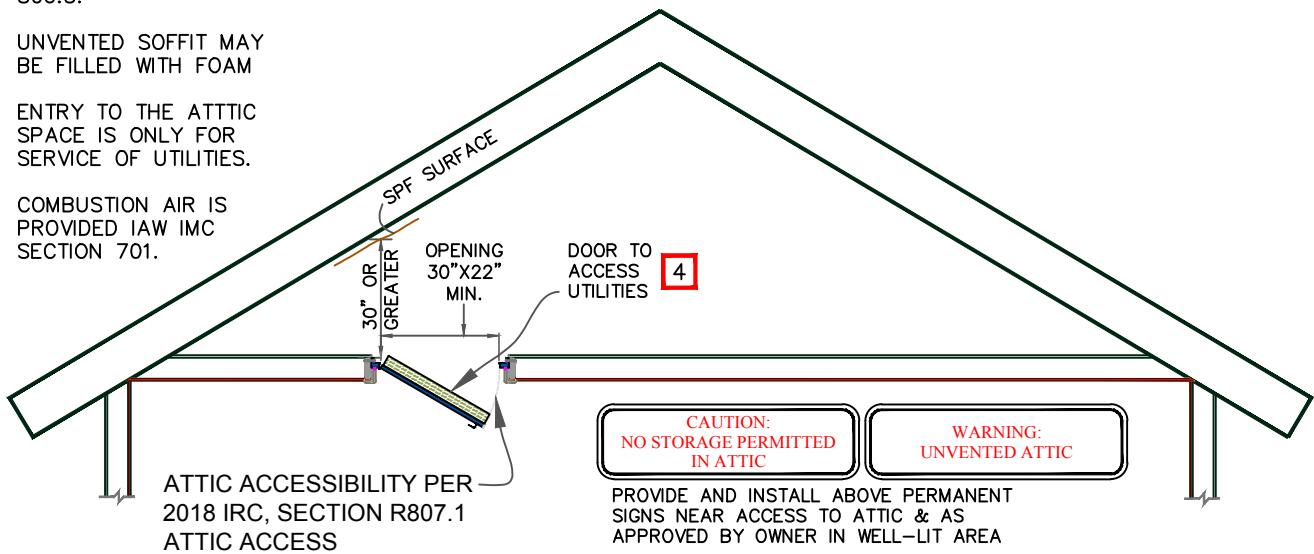
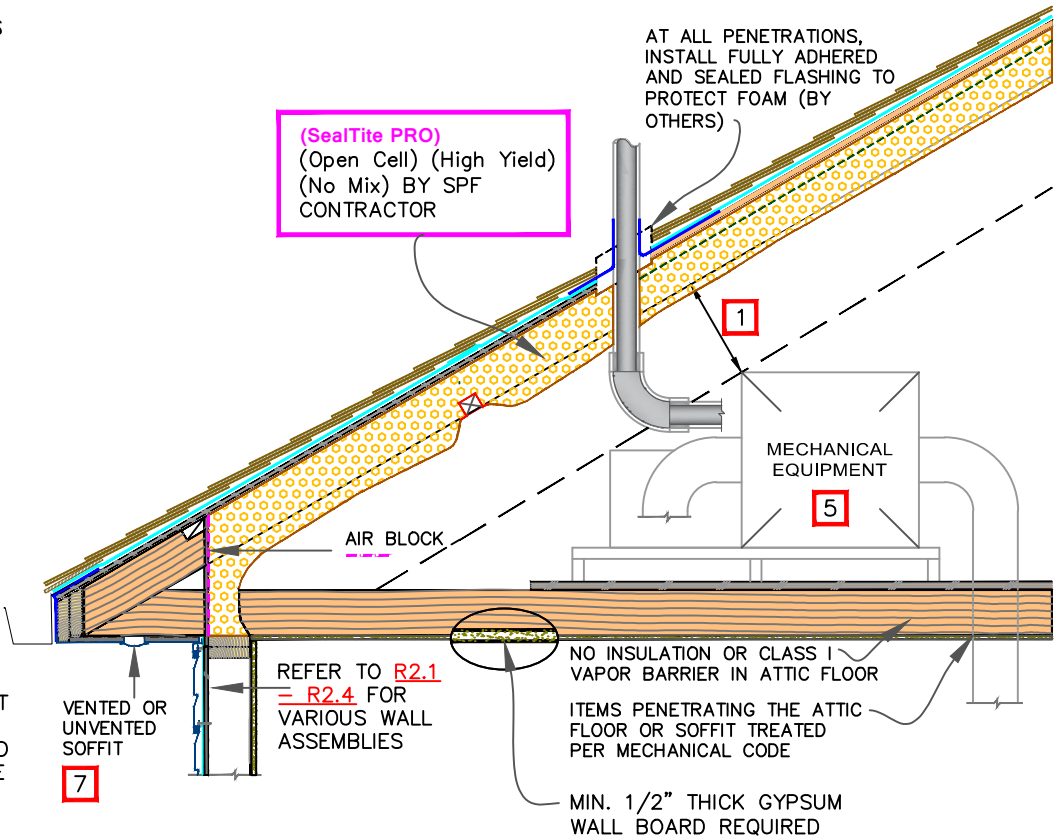
STEEP ROOF:
VENTED ATTIC WITH
ccSPF ON ATTIC FLOOR

R3.5

For additional information, refer to Specifications

NOTES:

1. MIN. 12" CLEARANCE IS SUGGESTED FOR ACCESSIBILITY.
2. AIR FROM THE ATTIC SPACE CANNOT BE CIRCULATED TO OTHER PARTS OF THE BUILDING.
3. THERE SHALL BE NO INTERCONNECTED ATTIC SPACES.
4. APPROVED ATTIC ACCESS DEVICES: PULL-DOWN ATTIC STAIRS; NON-LOCKING SPRING LOADED METAL OR SHEETROCK SWING HATCHES; CEILING TILE HATCH AS DESCRIBED IN [PRIEST & ASSOCIATES CONSULTING, LLC EEV 10437B AND ASSOCIATED ENGINEERING LETTERS](#)
5. MECHANICAL EQUIPMENT INCLUDING COMBUSTION OR ELECTRIC HVAC AND WATER HEATER MAY BE LOCATED IN ATTIC.
6. UNVENTED ATTIC ASSEMBLY PER IRC SECTION 806.4 OR 806.5.
7. UNVENTED SOFFIT MAY BE FILLED WITH FOAM
8. ENTRY TO THE ATTIC SPACE IS ONLY FOR SERVICE OF UTILITIES.
9. COMBUSTION AIR IS PROVIDED IAW IMC SECTION 701.



CAUTION:
NO STORAGE PERMITTED
IN ATTIC

WARNING:
UNVENTED ATTIC

PROVIDE AND INSTALL ABOVE PERMANENT
SIGNS NEAR ACCESS TO ATTIC & AS
APPROVED BY OWNER IN WELL-LIT AREA

ATTIC ACCESSIBILITY PER
2018 IRC, SECTION R807.1
ATTIC ACCESS

20200902 FINAL DOCUMENT

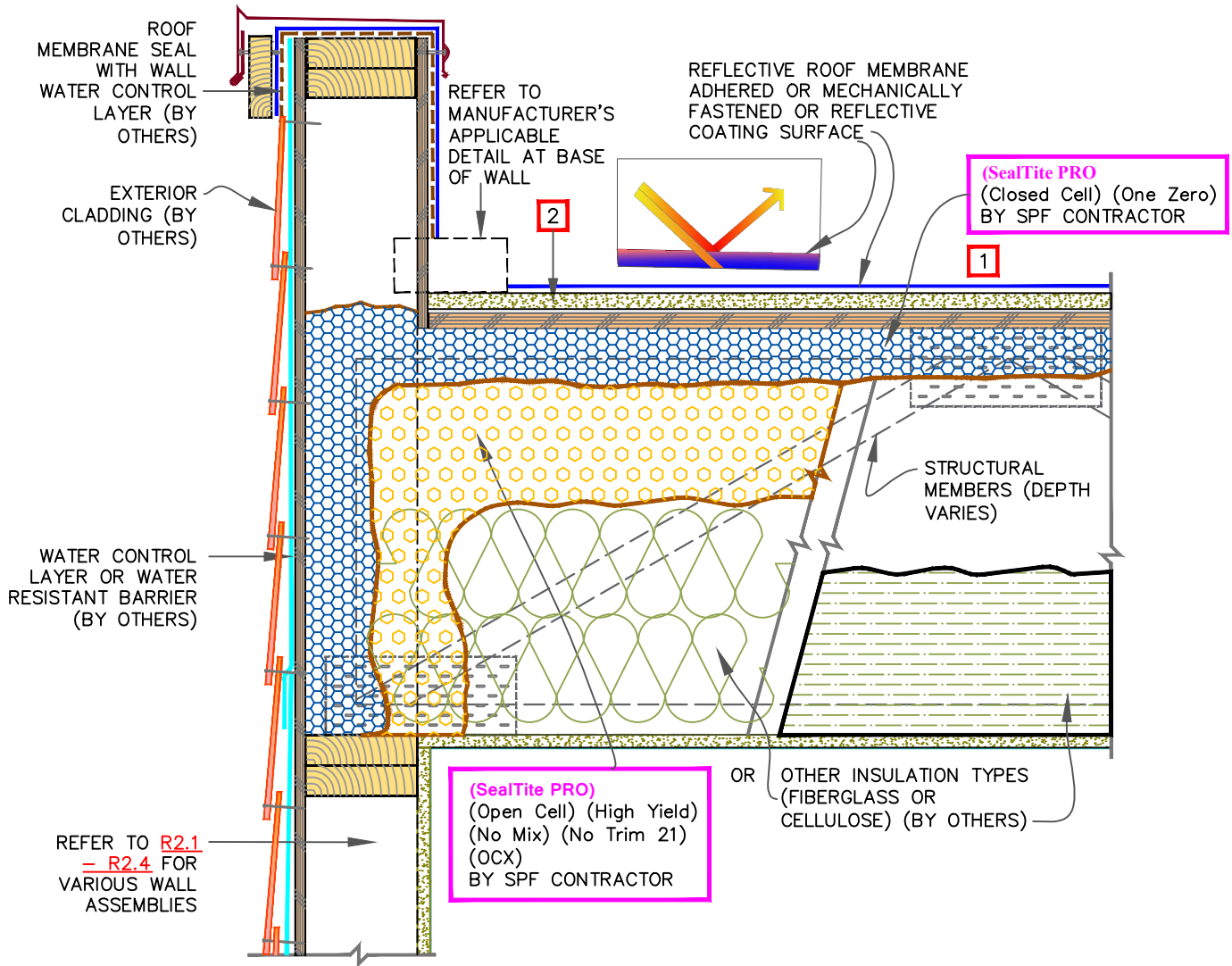


SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

STEEP ROOF:
UNVENTED ATTIC
(IGNITION BARRIER FREE)

R3.6

For additional information, refer to Specifications



NOTES:

1. DETAIL IS SUITABLE FOR **NEW CONSTRUCTION** TO AVOID FUTURE CONDENSATION DUE TO REFLECTIVE ROOF MEMBRANES OR REFLECTIVE ROOF COATINGS RESULTING IN LOWER DEW POINT TEMPERATURES WITHIN ROOF ASSEMBLY. THICKNESS AS REQUIRED TO CREATE AN AIR/VAPOR/THERMAL BARRIER TO RESIST CONDENSATION.
2. THERMAL BARRIER AS REQUIRED PER CODE.
3. R-VALUE & THICKNESS OF ATTIC INSULATION PER APPLICABLE CODE.

20200902 FINAL DOCUMENT

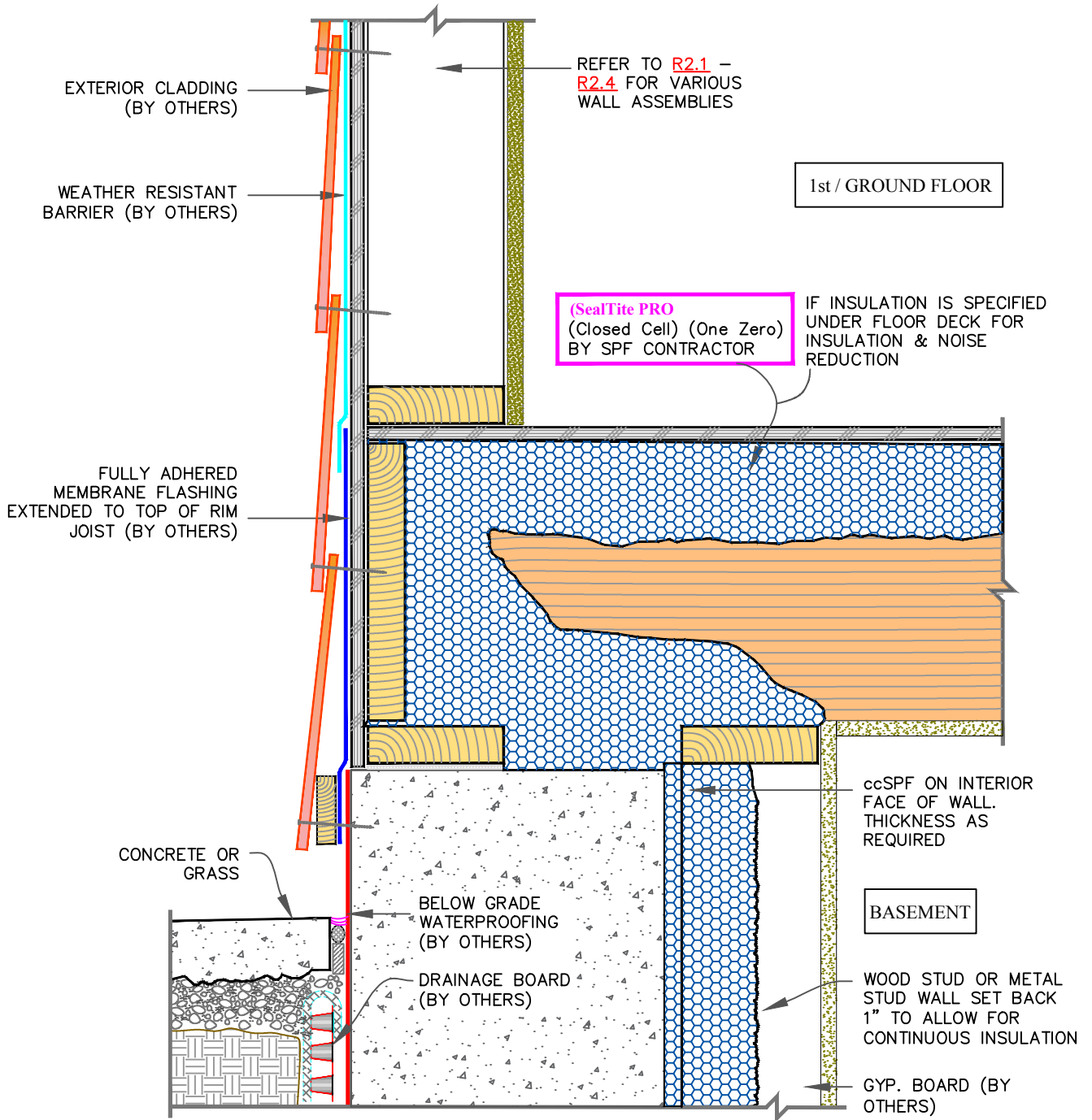


SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

LOW-SLOPE ROOF: SEALING THE UNDERSIDE OF THE DECK TO PREVENT CONDENSATION

R3.7

For additional information, refer to Specifications



20200902 FINAL DOCUMENT

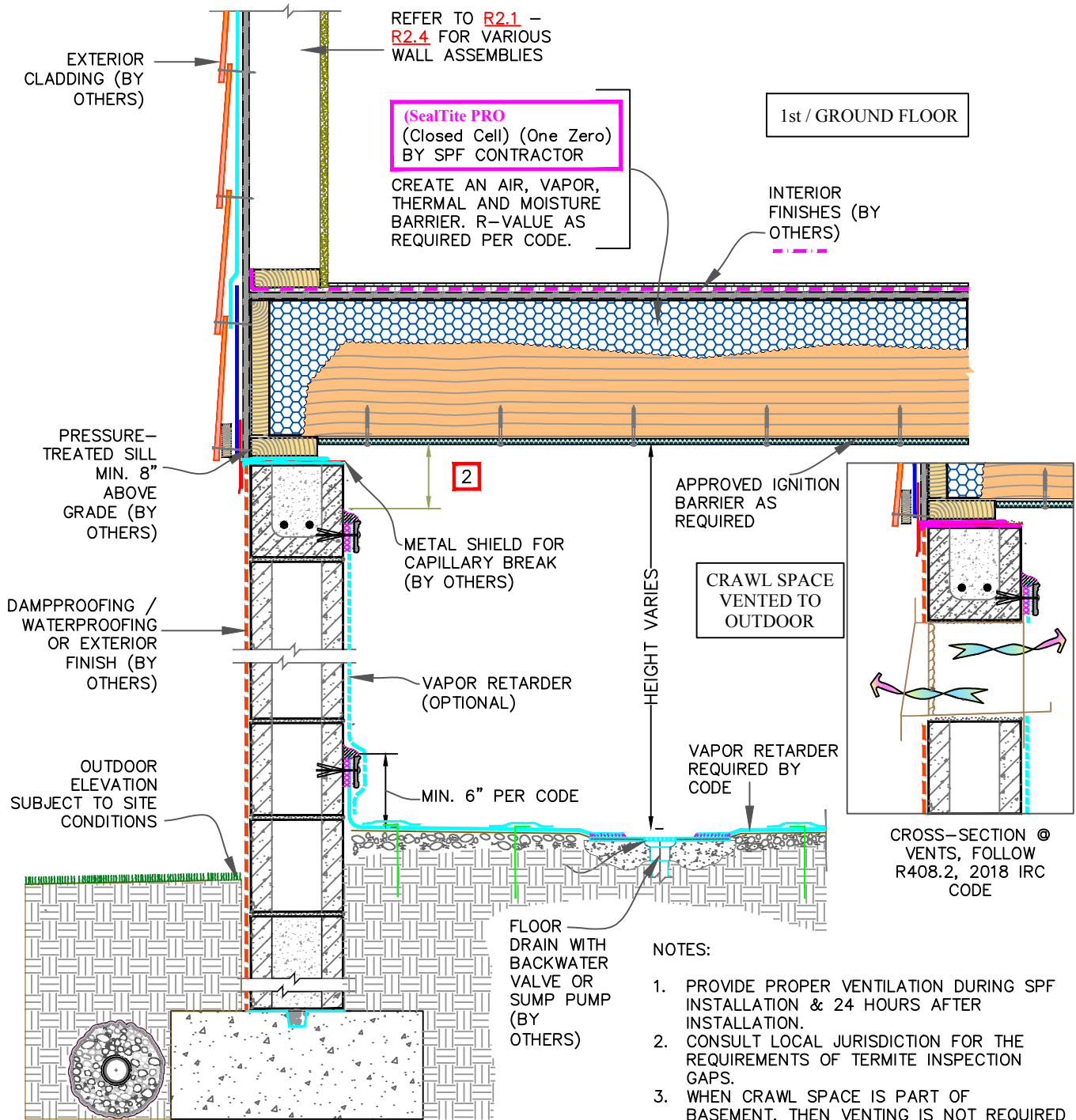


BASEMENT:
GROUND FLOOR TO BASEMENT
JUNCTION

R4.1

SPF	SPRAY POLYURETHANE FOAM		NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

For additional information, refer to Specifications



20200902 FINAL DOCUMENT

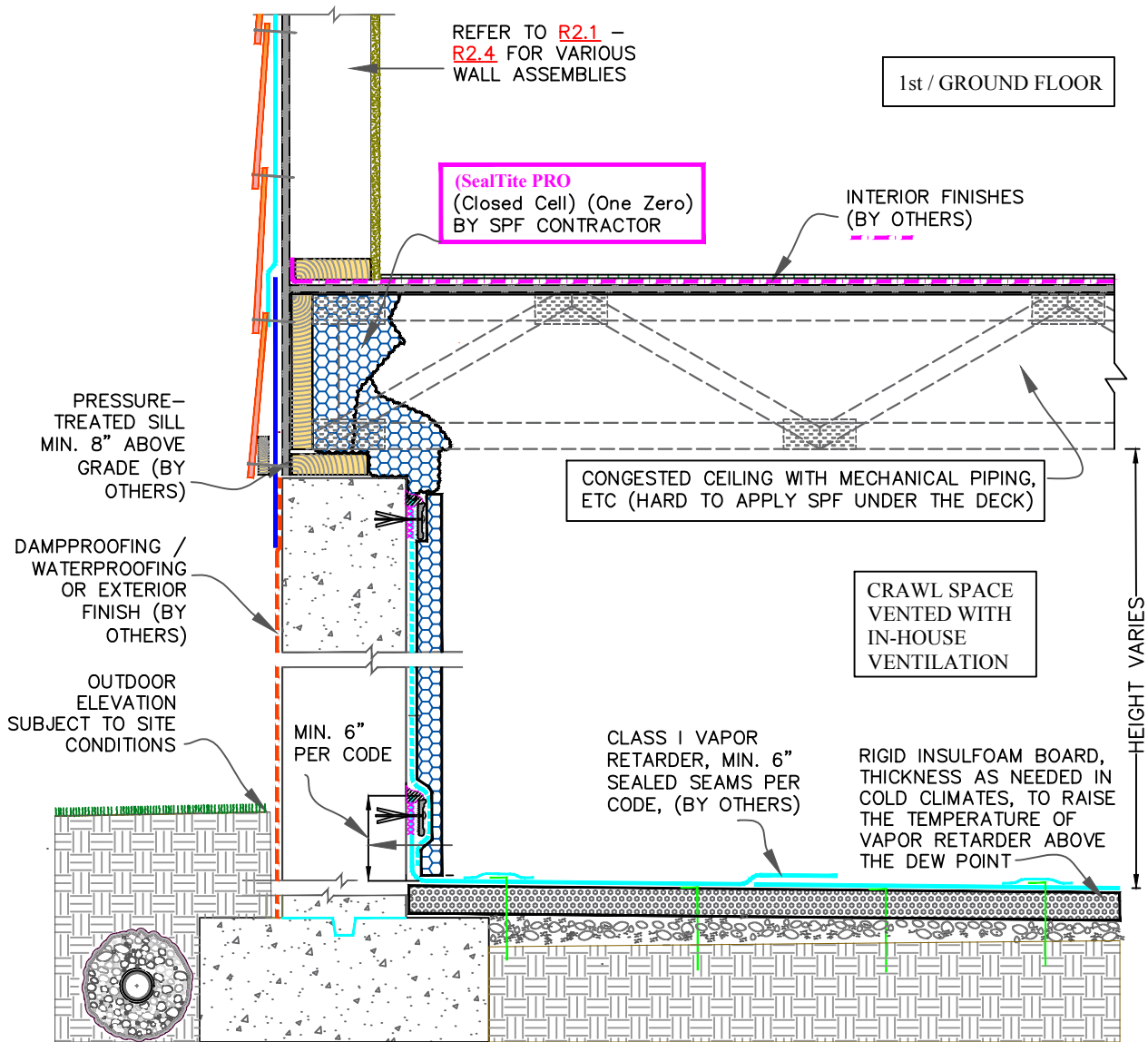


UNCONDITIONED CRAWL SPACE WITH INSULATED CEILING

R5.1

SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM		ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM		ocSPF

For additional information, refer to Specifications



NOTES:

1. MOISTURE PROTECTION IS NOT INTENDED FOR FLOOD PROTECTION. FOR FLOOD ZONES OR COASTAL AREAS, COORDINATE WITH DESIGNER.
2. CONSULT LOCAL JURISDICTION FOR THE REQUIREMENTS OF TERMITE INSPECTION GAPS.
3. PROVIDE PROPER VENTILATION DURING SPF INSTALLATION & 24 HOURS AFTER INSTALLATION.
4. PERMANENT MECHANICAL VENTILATION (BY OTHERS)

20200902 FINAL DOCUMENT

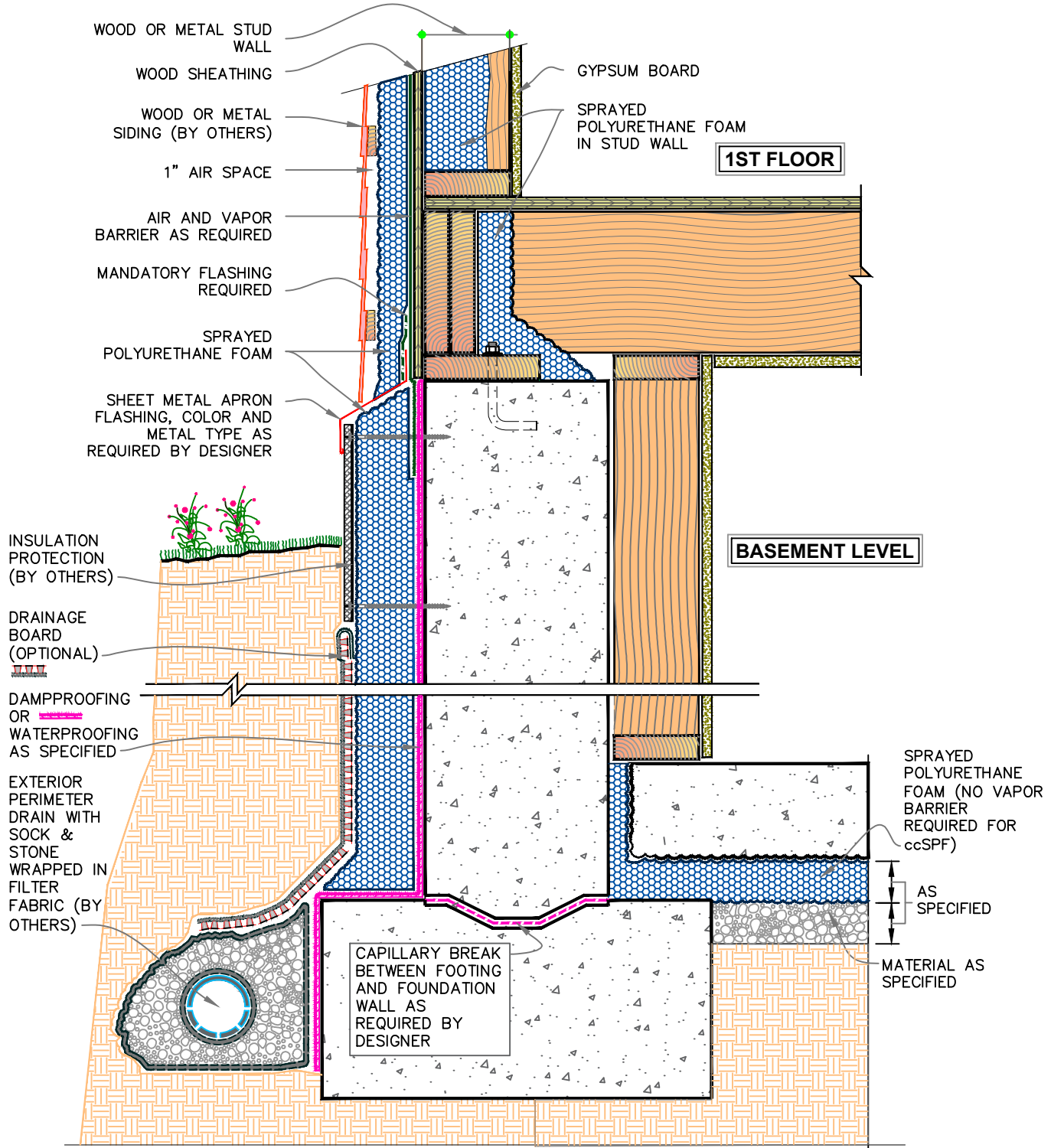


SPF	SPRAY POLYURETHANE FOAM	0	NOTES
ccSPF	CLOSE CELL SPRAY POLYURETHANE FOAM	■	ccSPF
ocSPF	OPEN CELL SPRAY POLYURETHANE FOAM	■	ocSPF

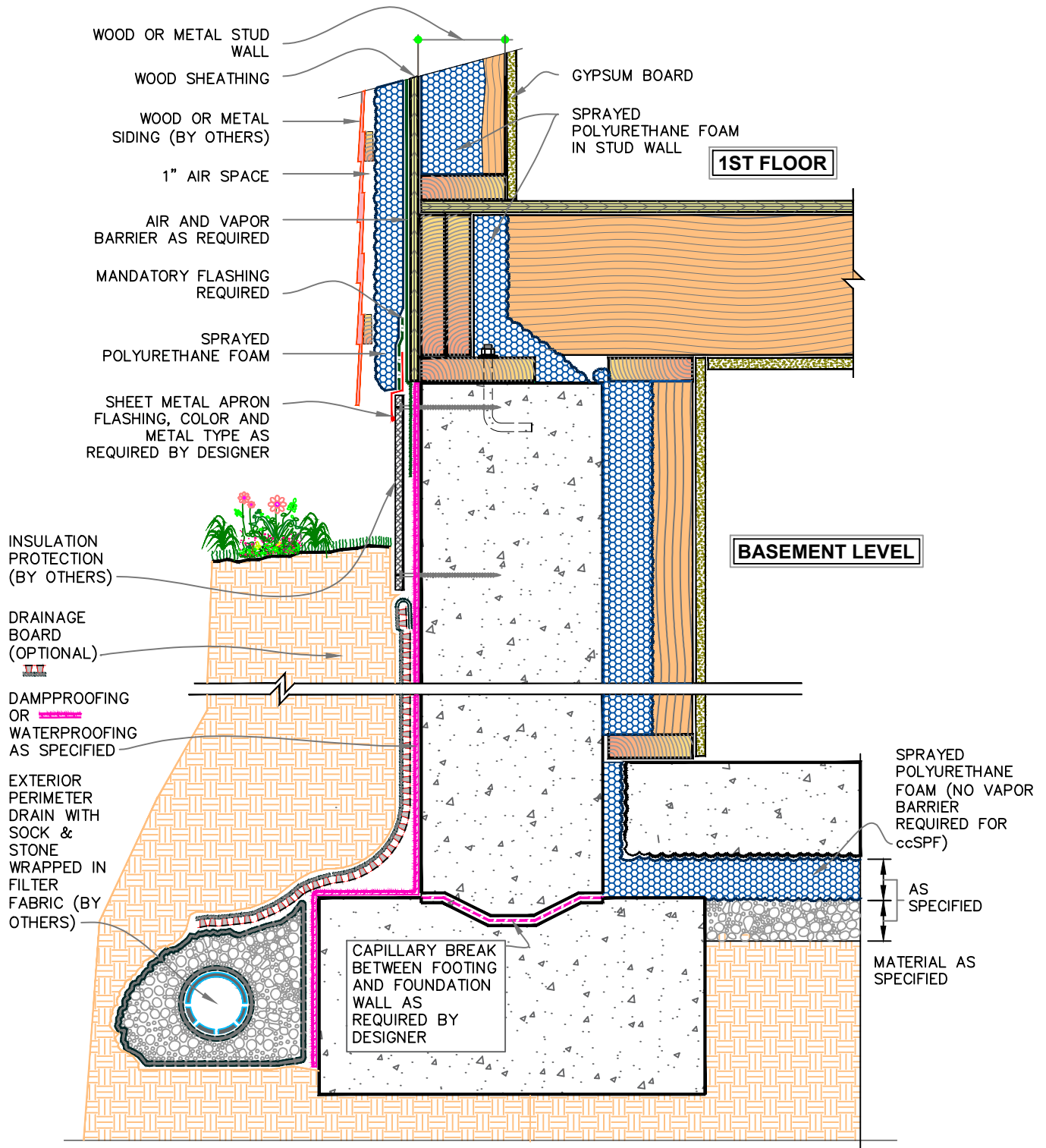
CONDITIONED CRAWL SPACE WITH INSULATED WALLS

R5.2

For additional information, refer to Specifications



		<p>OUTBOUND BASEMENT INSULATION DETAIL</p>	<p>9.1</p>
<p>SPF SPRAY POLYURETHANE FOAM</p> <p>ccSPF CLOSED CELL SPRAY POLYURETHANE FOAM</p> <p>c.i. CONTINUOUS INSULATION</p> <p>LGMF LIGHT GAUGE METAL FRAME</p>	<p>NOTE(S)</p> <p>SPRAYED POLYURETHANE FOAM</p>		
<p>For additional information, refer to Specifications</p>			



		<h2>INBOUND INSULATION DETAIL</h2>		<h1>9.2</h1>
<p>SPF SPRAY POLYURETHANE FOAM</p> <p>ccSPF CLOSED CELL SPRAY POLYURETHANE FOAM</p> <p>c.i. CONTINUOUS INSULATION</p> <p>LGMF LIGHT GAUGE METAL FRAME</p>	<p>0 NOTE(S)</p> <p> SPRAYED POLYURETHANE FOAM</p>	<p>For additional information, refer to Specifications</p>		