

WEST COAST CONSTRUCTION BUILDING ENVELOPE DETAILS

Drawing List:

General Arrangement

G.000	COVER PAGE AND DRAWING LIST
G.001	GENERAL NOTES AND ABBREVIATIONS
G.002	SYMBOLS, LEGENDS AND ASSEMBLY LIST

Wall Details

A5.101	LAPPED SIDING WALL ASSEMBLY ISOMETRIC
A5.102	CORNER DETAILS
A5.103	CROSS-CAVITY FLASHING DETAILS
A5.104	BASE OF WALL DETAILS
A5.105	DECK TO WALL DETAILS
A5.106	POST DETAILS
A5.107	TYPICAL PENETRATION DETAILS
A5.108	EXHAUST VENT DETAILS
A5.109	FIREPLACE AND MAKE UP AIR VENT DETAILS

Window/Door Details

A5.201	WINDOW INSTALLATION SEQUENCE DRAWING
A5.202	WINDOW HEAD AND SILL DETAILS
A5.203	WINDOW JAMB DETAILS
A5.204	SLIDING DOOR HEAD AND SILL DETAILS
A5.205	SLIDING DOOR JAMB DETAIL
A5.206	SWING DOOR HEAD AND THRESHOLD DETAILS
A5.207	SWING DOOR JAMB DETAIL

Roof Details

ASSEMBLY 1 – ASPHALT SHINGLES

A5.401	SLOPED ROOF EDGE DETAIL
A5.402	CANOPY DETAILS
A5.403	PLUMBING STACK DETAILS
A5.404	VENT DETAILS
A5.405	SLOPED ROOF TO WALL INSTALLATION ISOMETRIC

ASSEMBLY 2 – METAL (SNAPLOCK) ROOFING

A5.411	METAL SLOPED ROOF EDGE DETAIL
A5.412	METAL ROOF CANOPY DETAILS
A5.413	METAL ROOF PLUMBING STACK DETAILS

PROJECT No. 5171292.00

ISSUED FOR REFERENCE
MARCH 8, 2018



MORRISON HERSHFIELD

630 Terminal Avenue North
Nanaimo BC, V9S 4K2
Tel: 250 755 4025 Fax: 250 744 1441

Do not scale drawing. Dimensions to be verified on site. Drawing to be read in conjunction with written specification.

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A	ISSUED FOR REFERENCE	08/03/18

West Coast Construction Building Details

General Notes:

- 0.01 DO NOT SCALE DRAWINGS. CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE. NOTIFY CONSULTANT IF CONFLICT ARISES.
- 0.02 IT IS ASSUMED THAT THE BUILDING PERMIT WILL BE ISSUED BY AUTHORITY HAVING JURISDICTION BASED ON THE COMPLIANCE WITH THE 2018 BRITISH COLUMBIA BUILDING CODE (BCBC).
- 0.03 FORM FLASHING TO MAINTAIN MINIMUM 6% SLOPE UNLESS NOTED OTHERWISE.
- 0.04 CONFIRM DIMENSIONS OF ALL FLASHINGS AND STOPS. ENSURE THERE IS NO INTERFERENCE WITH OPERATION OF WINDOWS, DOORS OR OTHER FIXTURES.
- 0.05 ALL TERMINATIONS IN METAL FLASHING TO HAVE FOLDED END DAMS. FLASHING DOWNTURN LEG TO COVER CLADDING MINIMUM 2" UNLESS NOTED OTHERWISE. ALL JOINTS TO BE S-LOCK OR STANDING SEAM.
- 0.06 SELF ADHESIVE MEMBRANE TO HAVE A MINIMUM OF A 2" OVERLAP. MASTIC CAULKING TO BE INSTALLED AT LEADING EDGES OF SELF ADHESIVE MEMBRANE LAPS.
- 0.07 TYPICAL SEALANT JOINT TO BE MINIMUM 3/8" WIDE UNLESS NOTED OTHERWISE. SEALANT TO BE INSTALLED AROUND EXTERIOR PERIMETER OF ALL CLADDING PENETRATIONS FOR CONTINUITY OF MOISTURE SHEDDING SURFACE.
- 0.08 ENSURE MIN. 1/2" GAPS AT TOP AND BOTTOM OF CLADDING FOR AIR MOVEMENT. PERFORATED ALUMINUM INSECT SCREEN IS TO BE INSTALLED AT TOP & BOTTOM OF CAVITY SPACE AND AT PENETRATIONS THAT ARE NOT COMPLETELY CAULKED.
- 0.09 ADJUST STRAPPING THICKNESS TO MAINTAIN FLAT WALL PLANE.
- 0.10 NOT ALL CONDITIONS ARE REFERENCED. ONLY A SAMPLING OF DETAILS ARE REPRESENTED.
- 0.11 THE CONTRACTOR IS TO REPORT TO OWNER ALL PENETRATIONS THROUGH SLABS, FIRE WALLS, AND BEARING WALLS. CONTRACTOR TO OBTAIN APPROVED FIRE-RATED SYSTEM FOR PENETRATIONS, WHERE REQUIRED.
- 0.12 IF ANY DISCREPANCIES IN THE DOCUMENTS ARE FOUND, REQUEST THE CONSULTANT TO CLARIFY THE DISCREPANCIES PRIOR TO COMMENCING ANY RELATED WORK.
- 0.13 CONTRACTOR TO PROVIDE MOCK-UPS FOR THE VARIOUS DETAILS SHOWN AND AS REQUESTED ON THE MOCK-UP LIST PRIOR TO CONTINUING WITH THE FIELD WORK OF THE ENVELOPE SYSTEM.

Insulation Requirements:


- 1. BASED ON THE LOCATION IF THE CONSTRUCTION FALLS IN CLIMACTIC ZONE 5.
- 2. THE FOLLOWING ARE THE REQUIRED INSULATION LEVELS FOR CLIMACTIC ZONE 5
 - 2.1. CEILING (FLAT) R49 EFFECTIVE
 - 2.2. CATHEDRAL CEILING R25 EFFECTIVE
 - 2.3. WALLS R17.5 EFFECTIVE
 - 2.4. CRAWLSPACE R16.9 EFFECTIVE

Window Requirements:

- ALL WINDOWS AND DOORS SHALL CONFORM TO THE REQUIREMENTS OF THE VOLUNTARY SPECIFICATIONS IN AAMA/WDMA/CSA/101/I.S.2/ A440-08 (NAFS), BE LABELED WITH THE AAMA, CSA, OR WDMA LABEL, THESE INCLUDE:
- 1. PERFORMANCE CLASS - CW40
 - 2. WATER RESISTANCE: NO WATER LEAKAGE AS DEFINED IN AAMA/WDMA REFERENCED TEST METHODS AT A WATER TEST PRESSURE EQUALING THAT INDICATED, WHEN TESTED ACCORDING TO AAMA/WDMA/ CSA-101/I.S.2/ NAFS, WATER RESISTANCE TEST:
 - 3. WINDOWS - 360 PA (7.50 PSF)
 - 4. THERMAL PERFORMANCE TO COMPLY FULLY WITH BC ENERGY EFFICIENCY ACT AS FOLLOWS:
 - 5. MAXIMUM U-VALUE: 1.8 W / (M²K).
 - 6. GLASS PERFORMANCES TO COMPLY FULLY WITH INSULATING GLASS MANUFACTURER'S ALLIANCE (IGMA) AS FOLLOWS:
 - 7. SHGC VALUE: 0.4

Abbreviations List:

AB	AIR BARRIER
CONT.	CONTINUOUS
C/W	COMPLETE WITH
DIA.	DIAMETER
DWG.	DRAWING
EQ.	EQUAL
EXIST.	EXISTING
F.C.	FIBRE CEMENT
GA.	GAUGE
GWB	GYPSUM WALL BOARD
MAX	MAXIMUM
MIN	MINIMUM
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTRE
PT	PRESSURE TREATED
POLY	POLYETHYLENE SHEET
REQ'D	REQUIRED
REV.	REVERSED
R.O.	ROUGH OPENING
R.W.L.	RAINWATER LEADER
SAM	SELF-ADHESIVE MEMBRANE
SIM.	SIMILAR
SOG	SLAB-ON-GRADE
S.S.	STAINLESS STEEL
T.B.C.	TO BE CONFIRMED
TEMP	TEMPERATURE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VP	VAPOUR PERMEABLE
V.I.F.	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WRB	WEATHER-RESISTIVE BARRIER



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GENERAL NOTES AND ABBREVIATIONS






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REVIEWED: CEL	

Do not scale drawing. Dimensions to be verified on site. Drawing to be read in conjunction with written specification.

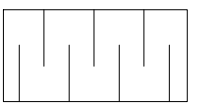
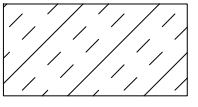
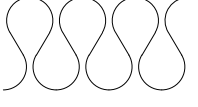
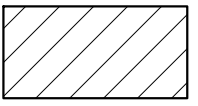
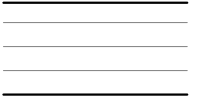
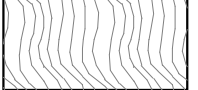
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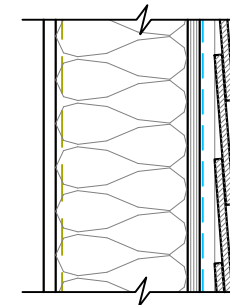
Symbols Legend:

-  ASSEMBLY TYPE DESIGNATION
- ASSEMBLY TYPE REFERENCE
-  REVISION NUMBER
- REVISION TAG
-  DENOTES THE AREA WITHIN THE CLOUD BOUNDARIES CONTAINING THE MOST RECENT REVISION(S) MADE TO THAT DRAWING
- REVISIONS CLOUD
-  EXISTING WINDOW OR DOOR TO BE REMOVED & REINSTALLED
- WINDOW/DOOR TAG
-  NEW WINDOW OR DOOR NUMBER, REFER TO WINDOW/DOOR SCHEDULE
- WINDOW/DOOR TAG

Detail Hatching Legend:

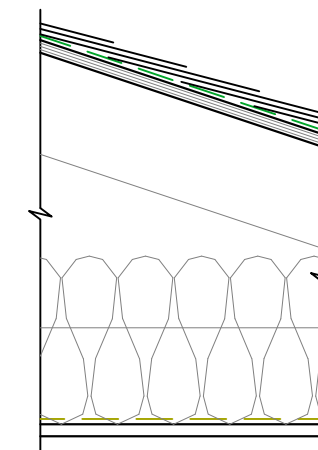
-  RIGID & SEMI-RIGID INSULATION
-  SPRAY APPLIED POLYURETHANE INSULATION
-  BATT INSULATION
-  CEMENTITIOUS SIDING
-  PLYWOOD SHEATHING/DECKING THICKNESS AS SPECIFIED
-  WOOD TRIM (SIZE AS SPECIFIED)

Wall, Balcony & Roof Assemblies:



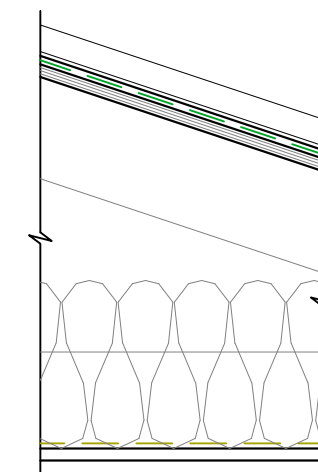
- W1** FIBRE CEMENT HORIZONTAL LAPPED SIDING
 - FIBRE CEMENT LAPPED SIDING
 - 1/2"x2" P.T. PLYWOOD FURRING @ 16" O/C
 - SHEATHING MEMBRANE (WRB/AB)
 - 1/2" PLYWOOD SHEATHING
 - 2x6 FRAMING C/W BATT INSULATION
 - POLYETHYLENE SHEET (VB)
 - INTERIOR FINISHES

*NOTE THAT THE EXTERIOR SHEATHING MEMBRANE IS ACTING AS BOTH THE WEATHER RESISTIVE BARRIER AND THE AIR BARRIER. AS THE AIR BARRIER ALL JOINTS AND LAPS IN THE MEMBRANE, AS WELL AS PENETRATIONS, NEED TO BE PROPERLY SEALED TO ENSURE THE CONTINUITY OF THE AIR BARRIER.








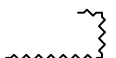
- R1** ASPHALT SHINGLE ROOF ASSEMBLY
 - ASPHALT SHINGLES
 - ROOF UNDERLAY (WRB)
 - 1/2" SHEATHING WITH H-CLIPS BETWEEN EACH TRUSS
 - WOOD TRUSSES
 - R50 INSULATION
 - SEALED POLYETHYLENE (VB/AB)
 - INTERIOR FINISHES

TYPICAL ROOF NOTES:
THE POLYETHYLENE SHEET IS ACTING AS BOTH THE AIR BARRIER AND VAPOUR RETARDER. AS THE AIR BARRIER ALL JOINTS AND LAPS IN THE MEMBRANE, AS WELL AS PENETRATIONS, NEED TO BE PROPERLY SEALED TO ENSURE CONTINUITY. PENETRATIONS WOULD INCLUDE (BUT ARE NOT LIMITED TO) THE PLUMBING STACK, POT LIGHTS, AND BATHROOM/KITCHEN EXHAUST FAN.



- R2** METAL ROOF ASSEMBLY
 - STANDING SEAM METAL PANEL ROOF
 - SELF-ADHERED ROOF UNDERLAY (WRB)
 - 1/2" SHEATHING WITH H-CLIPS BETWEEN EACH TRUSS
 - WOOD TRUSSES
 - R50 INSULATION
 - SEALED POLYETHYLENE (VB/AB)
 - INTERIOR FINISHES

Detail Linetype Legend:

-  SELF ADHESIVE MEMBRANE
-  SHEATHING MEMBRANE
-  ROOFING UNDERLAY
-  POLYETHYLENE SHEET
-  WATERPROOFING MEMBRANE
-  INSECT SCREEN



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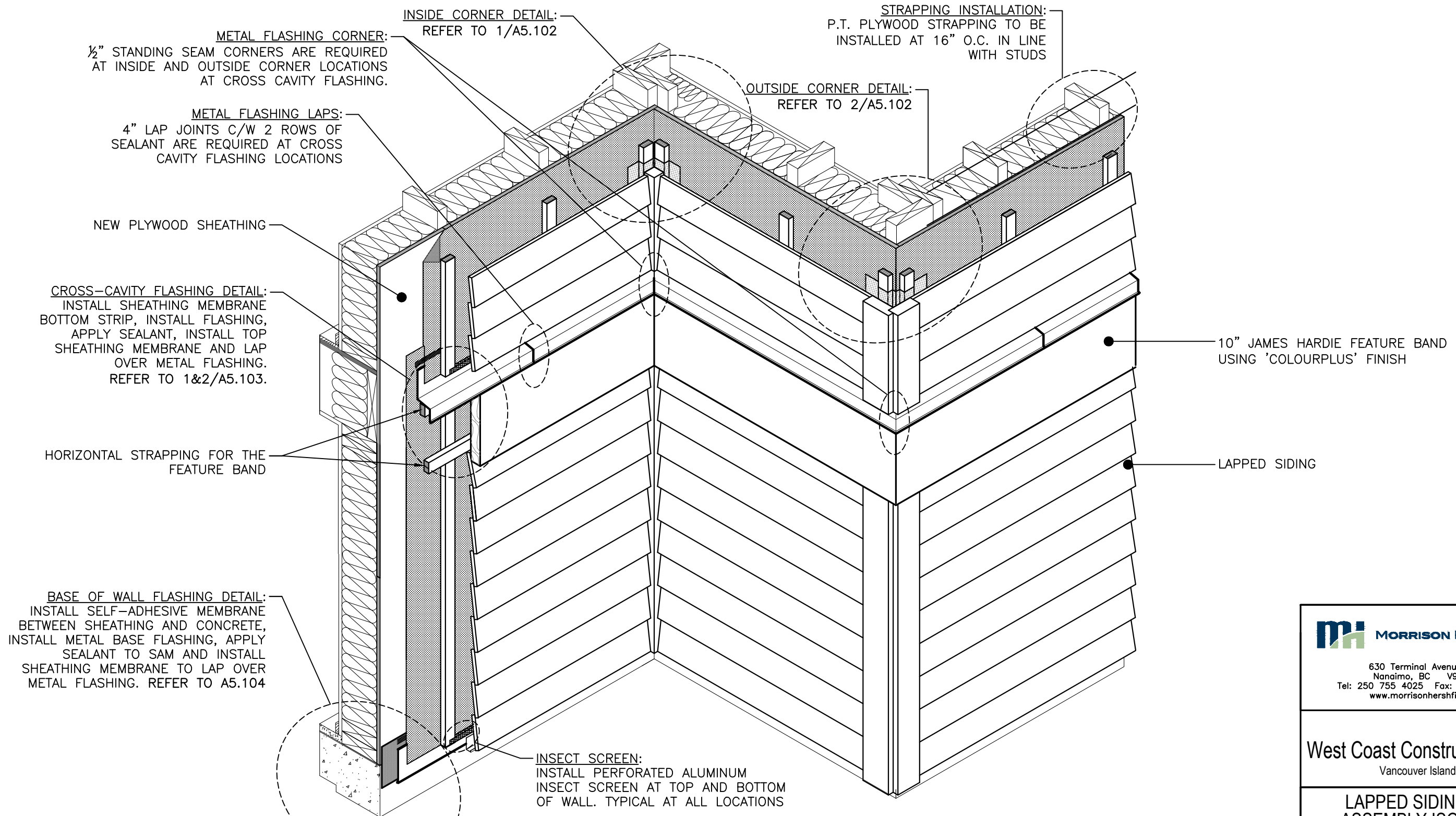
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SYMBOLS, LEGENDS AND ASSEMBLIES LIST

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SCALE:	N.T.S.		
DESIGN:	B2M/CEL		
DRAWN:	B2M	PROJECT No:	
REVIEWED:	CEL	5171292.00	

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1 TYPICAL CEMENTITIOUS SIDING WALL ASSEMBLY ISOMETRIC
SCALE: N.T.S.

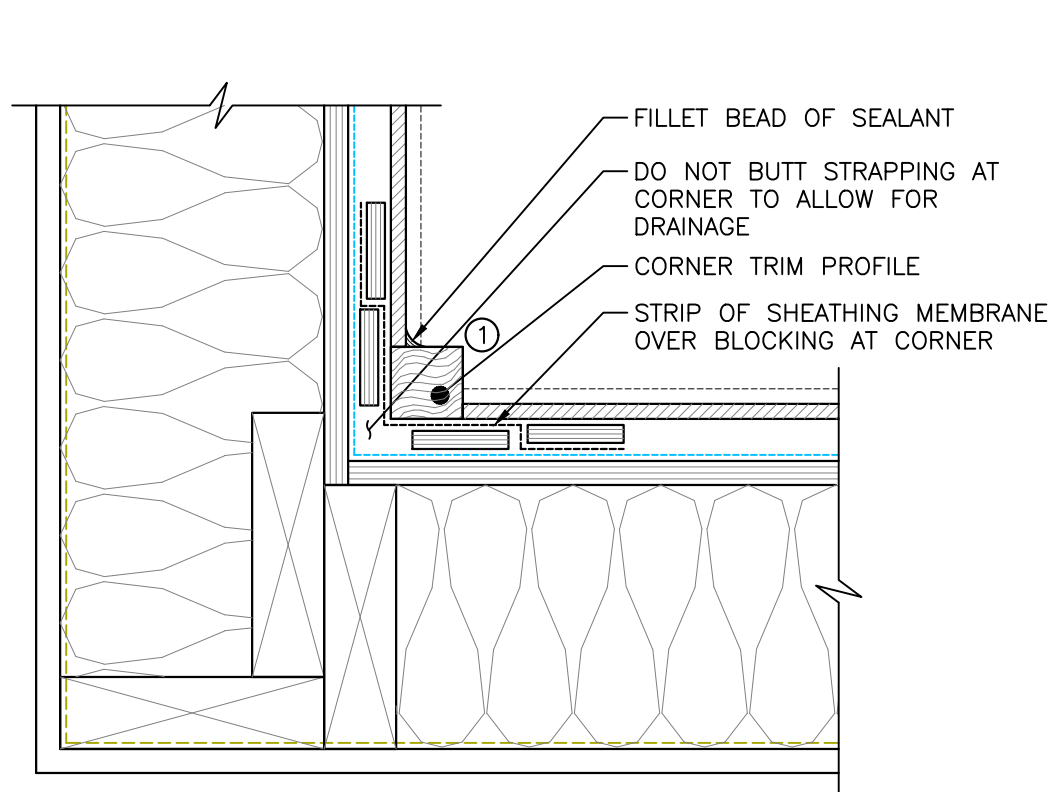
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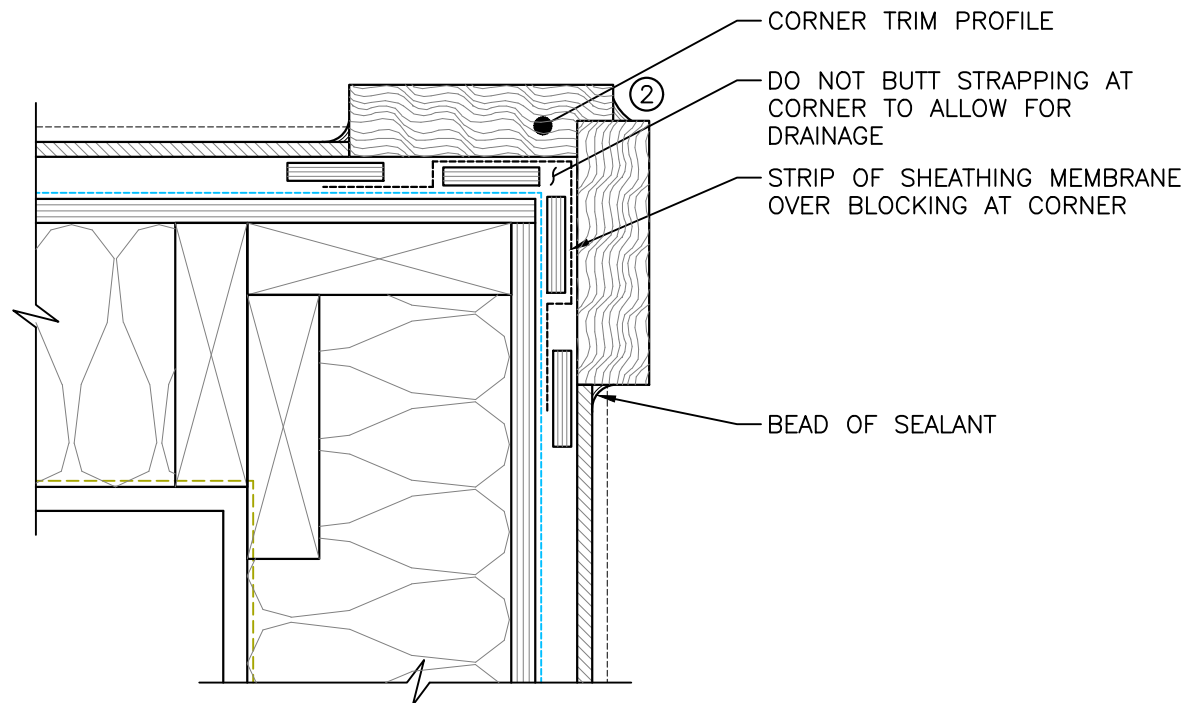
LAPPED SIDING WALL ASSEMBLY ISOMETRIC	
DATE: DEC/2017	DRAWING No: A5.101
SCALE: N.T.S.	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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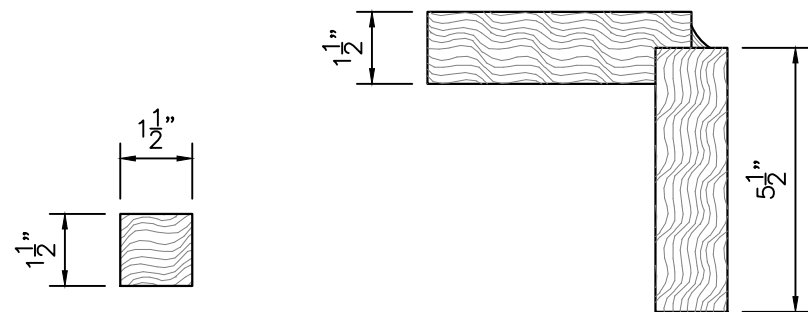
ISSUE	DESCRIPTION	DATE (DD/MM/YY)
A	ISSUED FOR REFERENCE	08/03/18



1 LAPPED SIDING
INSIDE CORNER - PLAN DETAIL
SCALE: 3"=1'-0"



2 LAPPED SIDING
OUTSIDE CORNER - PLAN DETAIL
SCALE: 3"=1'-0"



1 INSIDE CORNER WOOD TRIM
2x2 MATERIAL, SEAL TO
ADJACENT CLADDING WITH A
BEAD OF SEALANT FOR THE
FULL LENGTH OF THE TRIM

2 OUTSIDE CORNER WOOD TRIM
FILLET CAULK BETWEEN TRIMS
*RABBET ONE TRIM TO FIT

3 CORNER TRIM PROFILES
SCALE: 3"=1'-0"

3 TYPICAL WOOD TRIMS
SCALE: 3"=1'-0"



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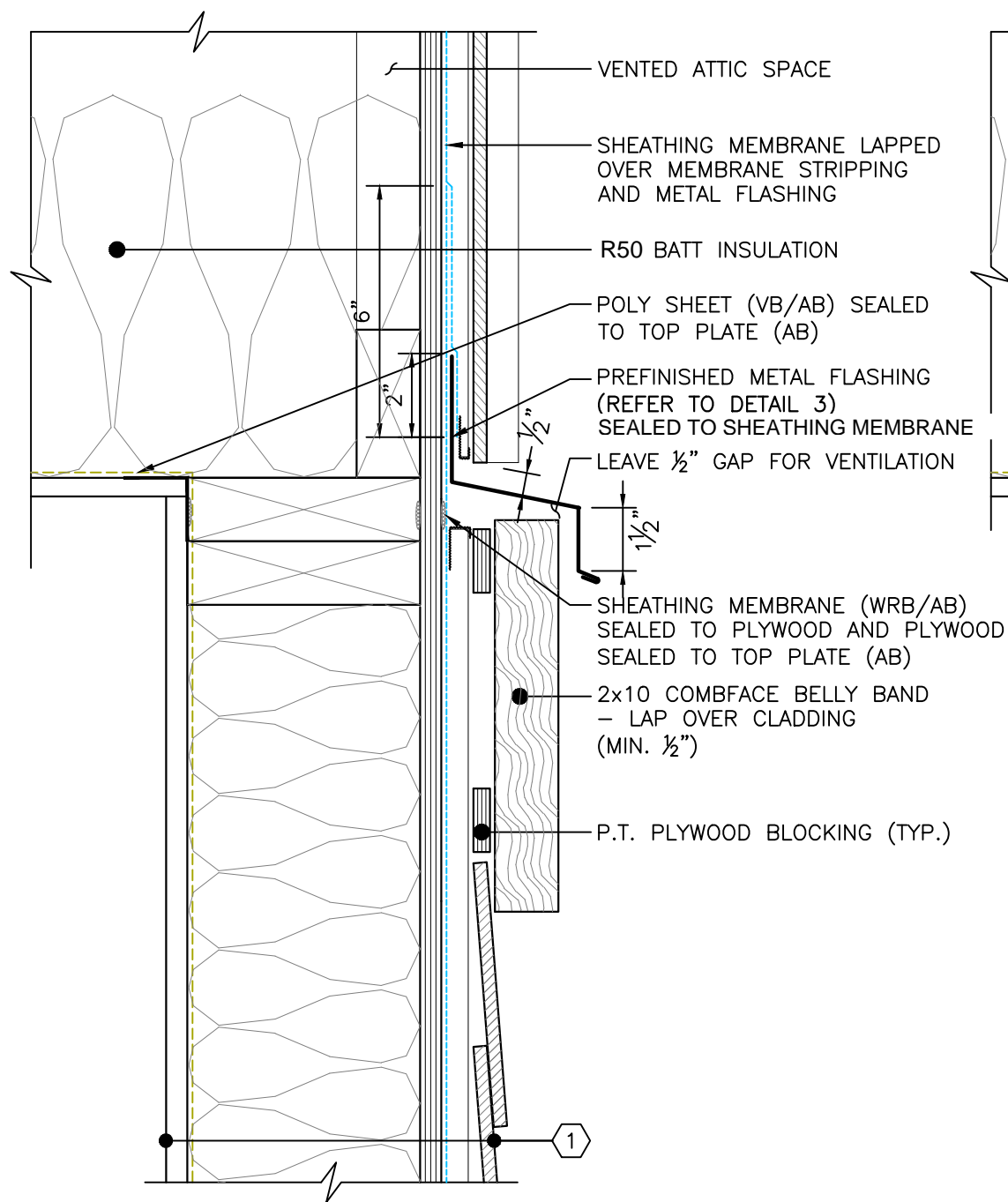
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CORNER DETAILS

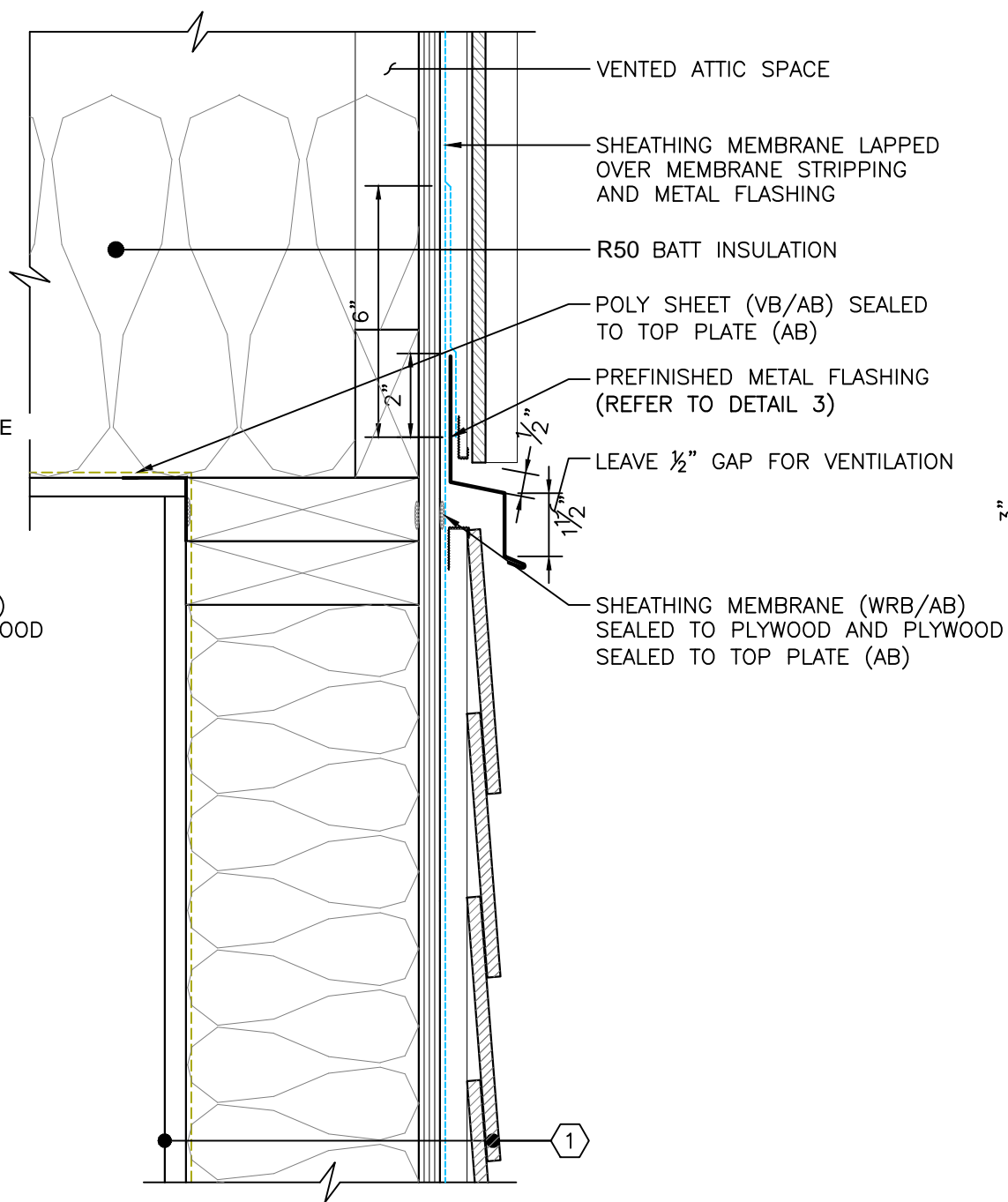
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REVIEWED:	CEL		

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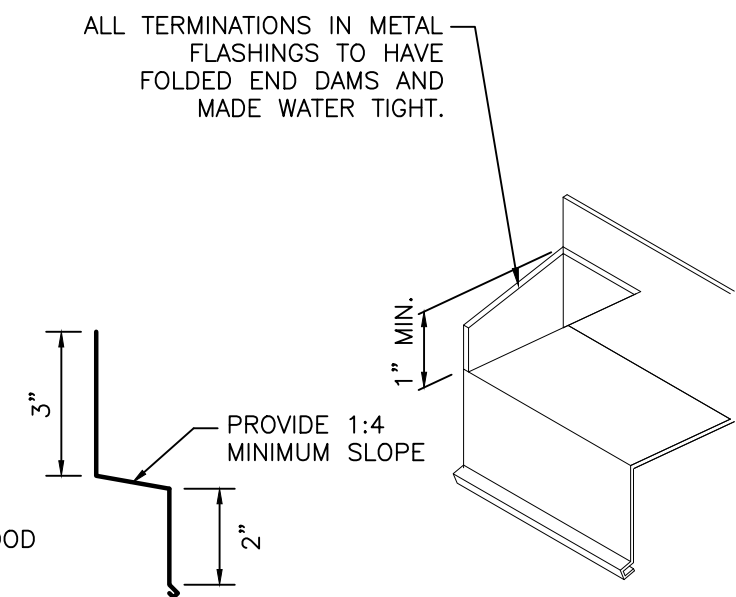
ISSUE	DESCRIPTION	DATE (DD/MM/YY)
A	ISSUED FOR REFERENCE	08/03/18



1 CROSS-CAVITY FLASHING AT BELLY BAND - SECTION DETAIL
SCALE: 3"=1'-0"



2 CROSS-CAVITY FLASHING - SECTION DETAIL
SCALE: 3"=1'-0"



3 CROSS CAVITY FLASHING PROFILE AND DIMENSIONS
SCALE: 3"=1'-0"

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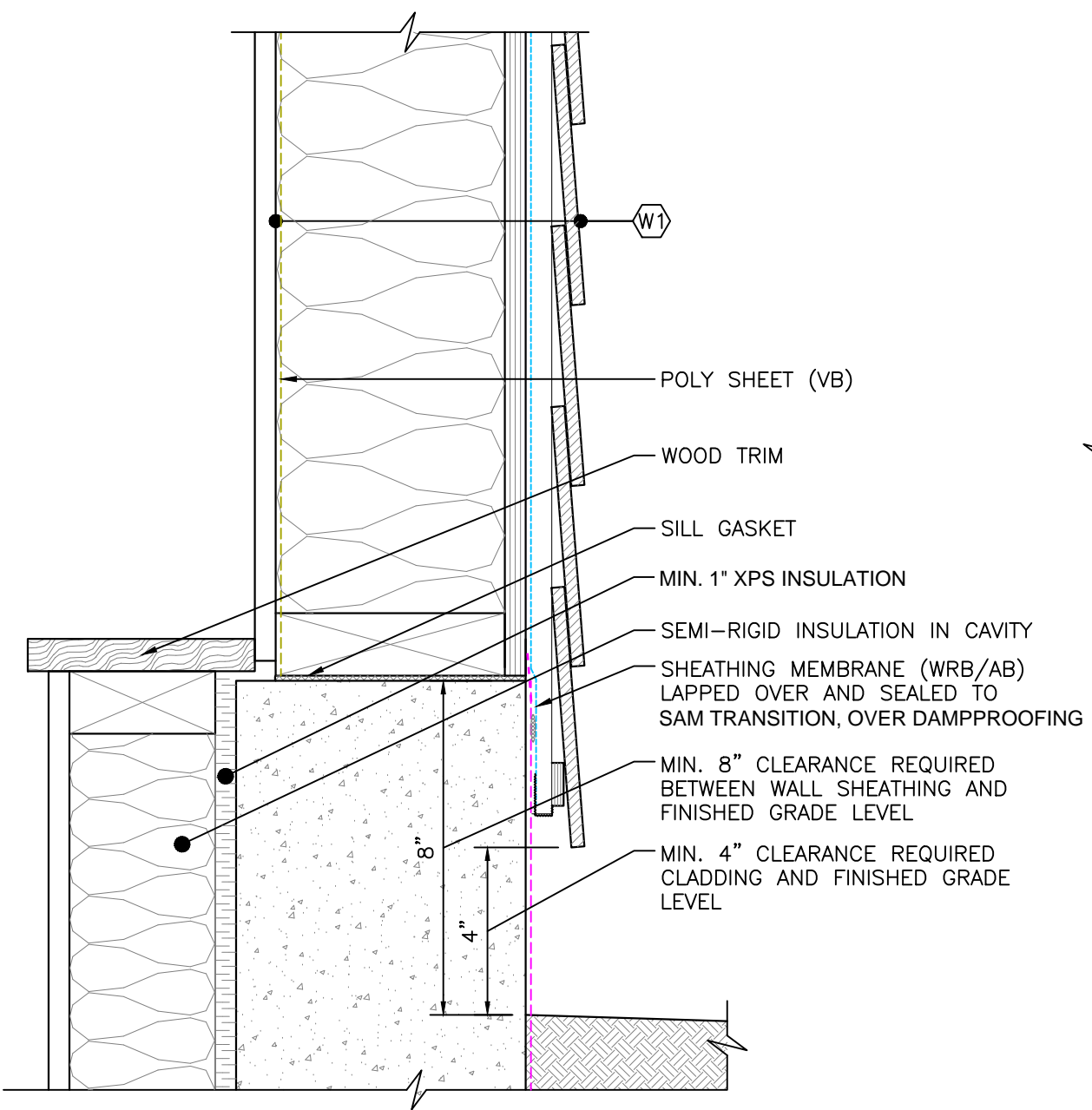
CROSS-CAVITY FLASHING DETAILS

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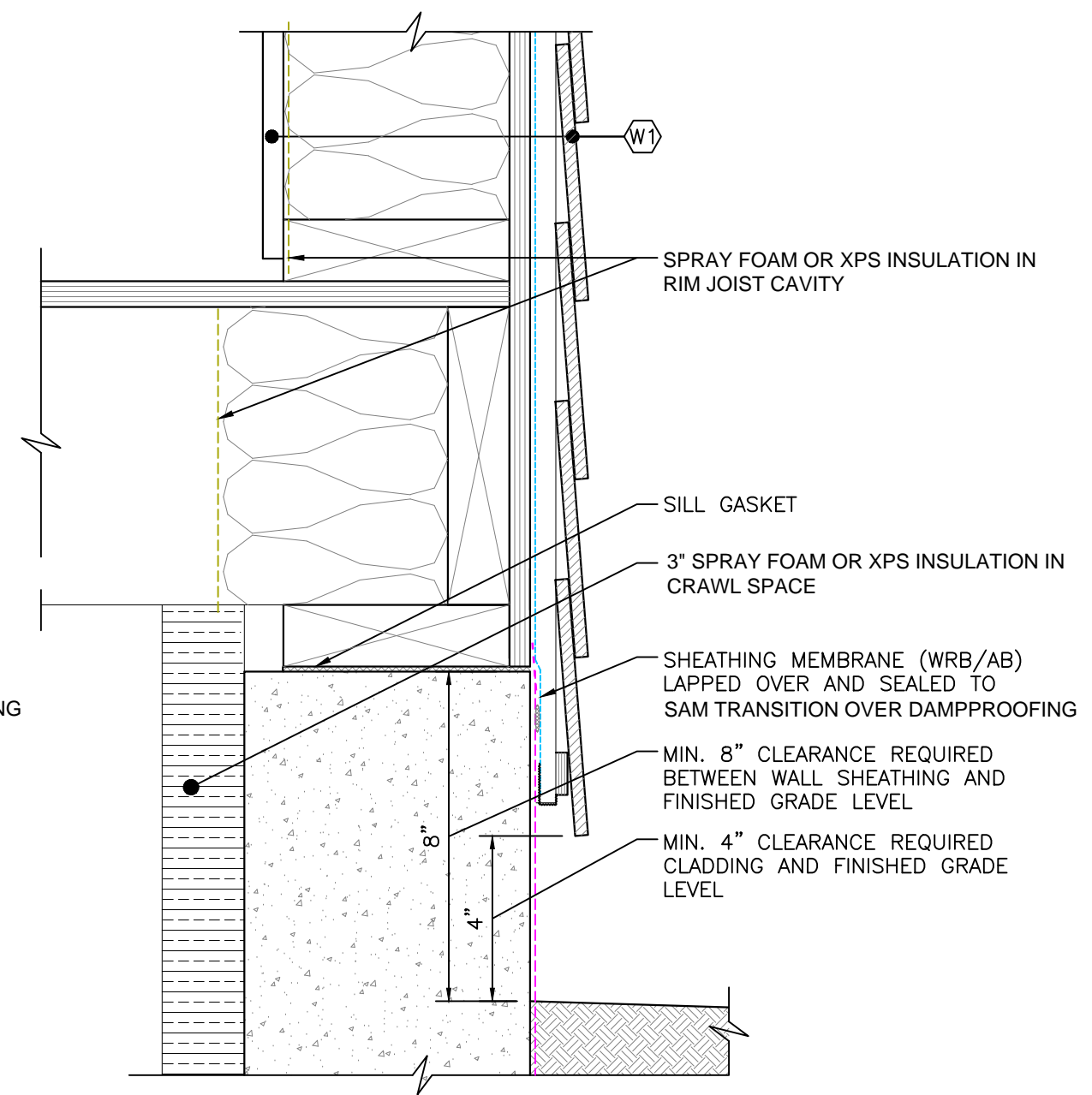
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NOTE:
 MH RECOMMENDS THE 'HEATED CRAWLSPACE' TECHNIQUE, WHICH REQUIRES HEATERS IN THE CRAWLSPACES AND XPS INSULATION WITH TAPED JOINTS OVER THE FOUNDATION WALLS. NO VENTILATION OR INSULATION IN THE FLOOR AREA IS REQUIRED FOR THIS TECHNIQUE.



1 BASE OF WALL AT BASEMENT - SECTION DETAIL
 SCALE: 3"=1'-0"



2 BASE OF WALL AT CRAWLSPACE - SECTION DETAIL
 SCALE: 3"=1'-0"

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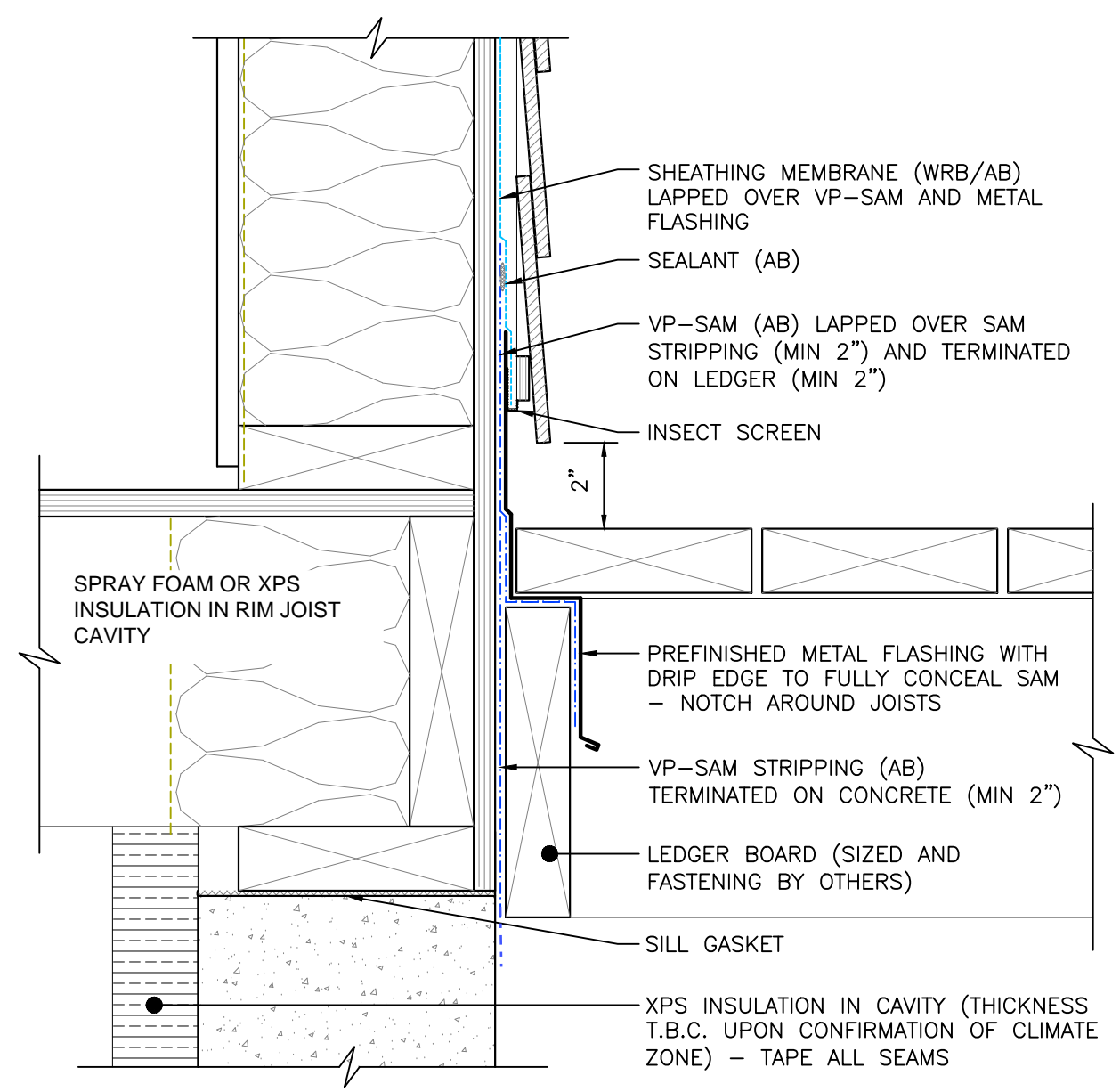
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BASE OF WALL DETAILS

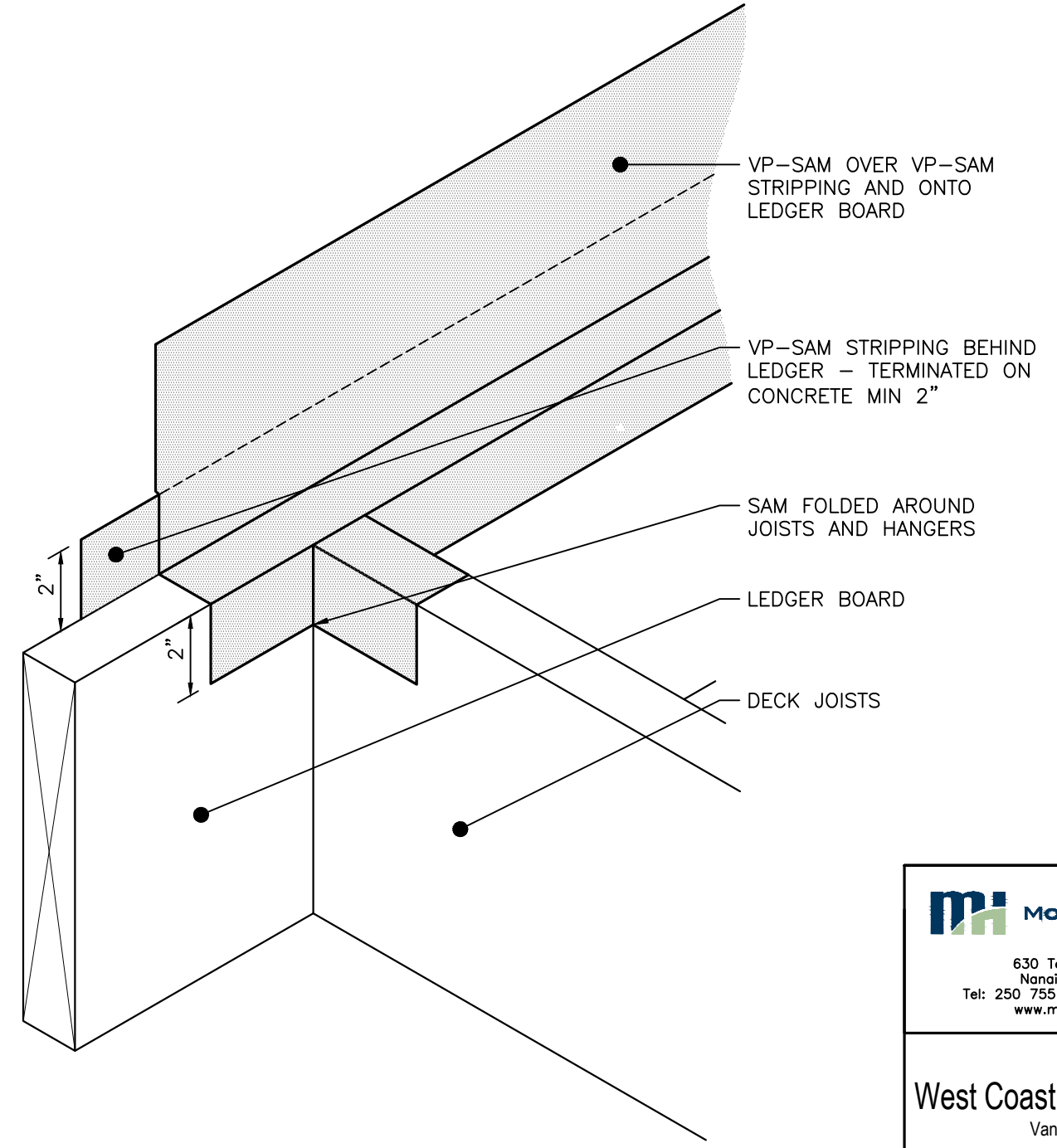
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1 BASE OF WALL AT DECK - SECTION DETAIL
SCALE: 3"=1'-0"



2 DECK LEDGER AND SAM - ISOMETRIC
SCALE: 3"=1'-0"

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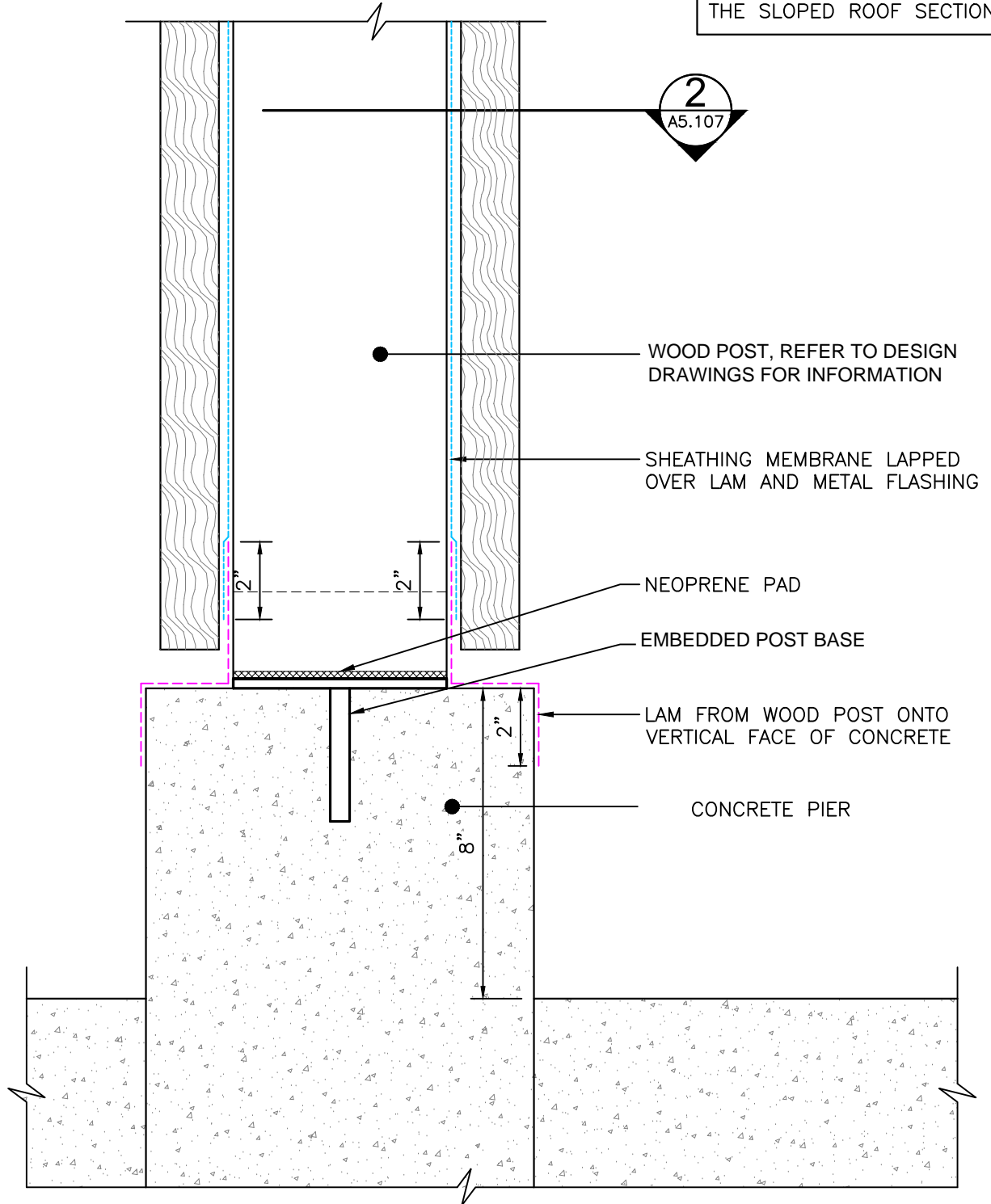
DECK TO WALL DETAILS

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REVIEWED: CEL	

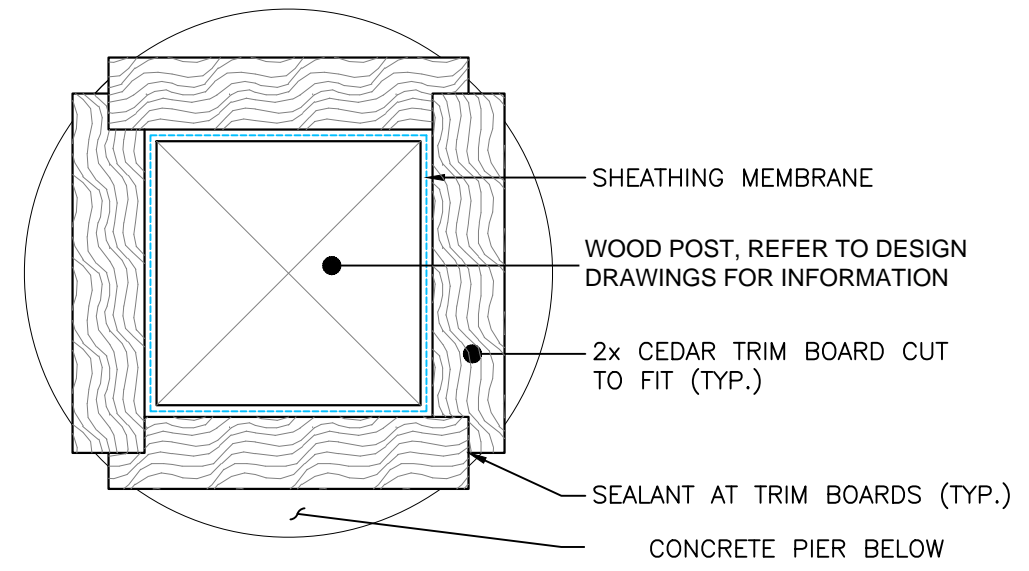
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NOTE:
THE POST DETAILS SHOWN HEREIN OCCUR AT THE FRONT ENTRANCE. ADDITIONAL DETAILING OF CANOPY CAN BE FOUND IN THE SLOPED ROOF SECTION (400 SERIES) OF THE DRAWINGS.



1 CANOPY POST - SECTION DETAIL
SCALE: 3"=1'-0"



2 CANOPY POST - PLAN DETAIL
SCALE: 3"=1'-0"

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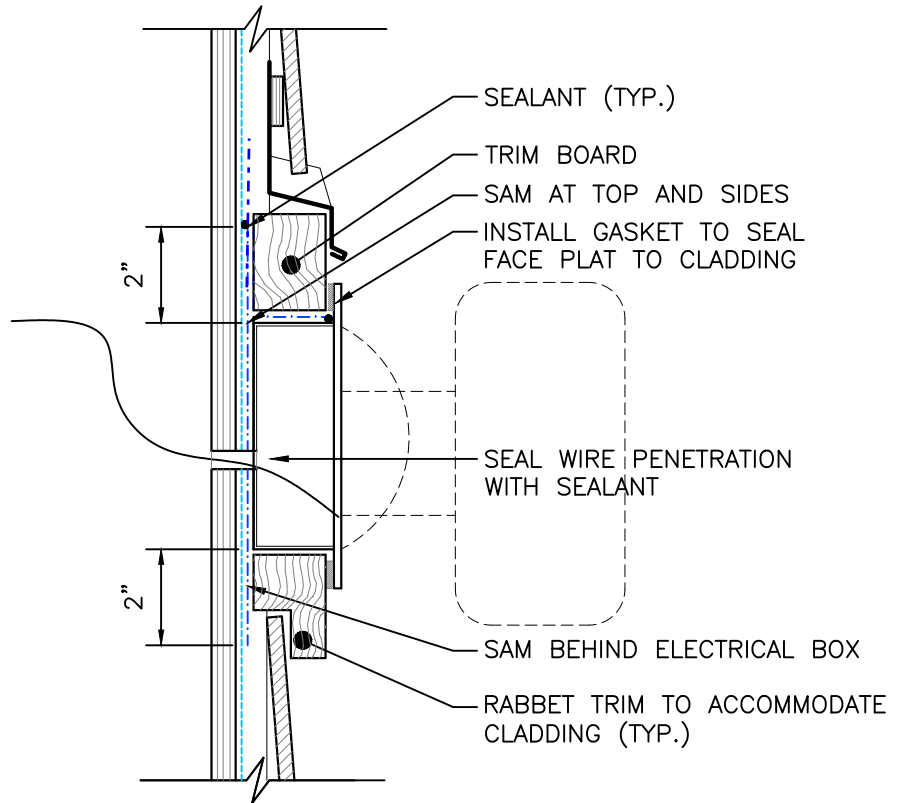
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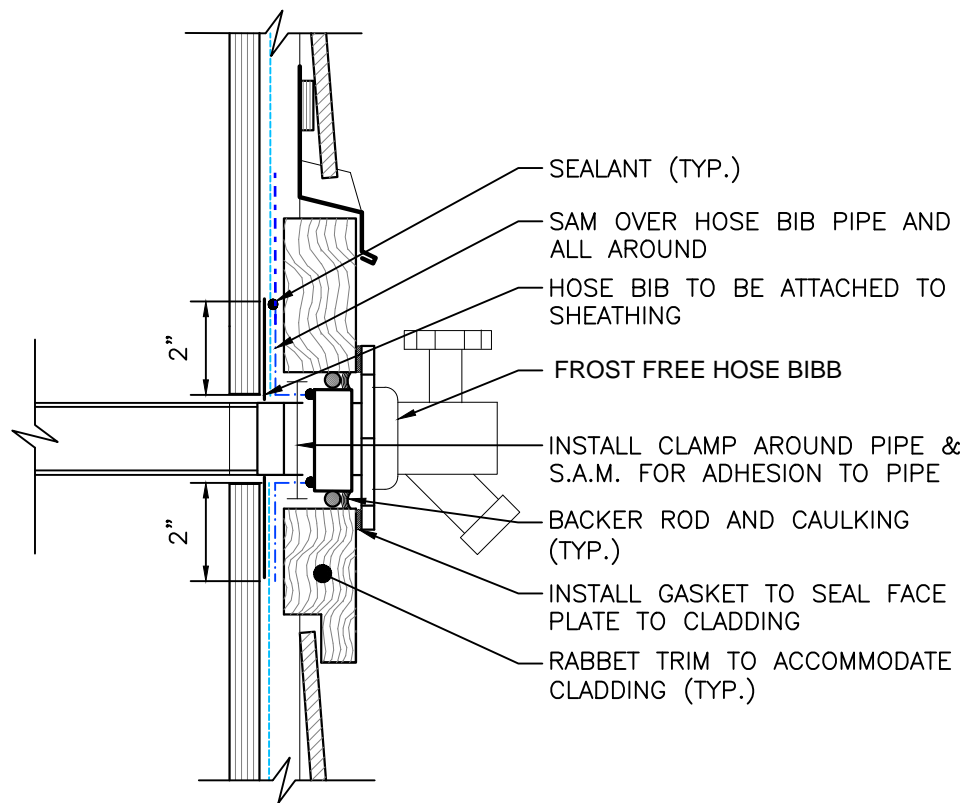
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DESIGN: B2M/CEL	
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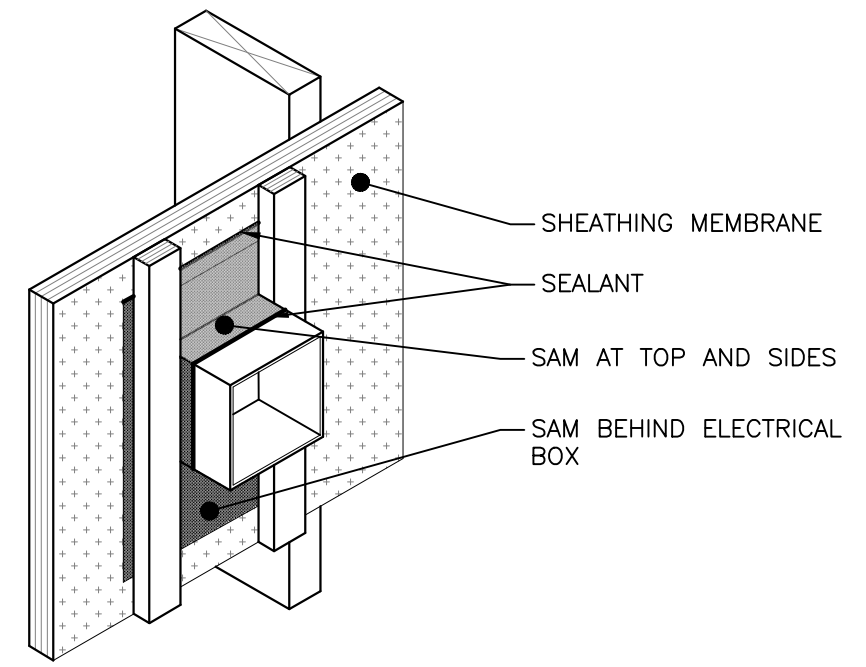
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1 TYPICAL EXTERIOR LIGHT FIXTURE PENETRATION-LAPPED SIDING
SCALE: 3"=1'-0"

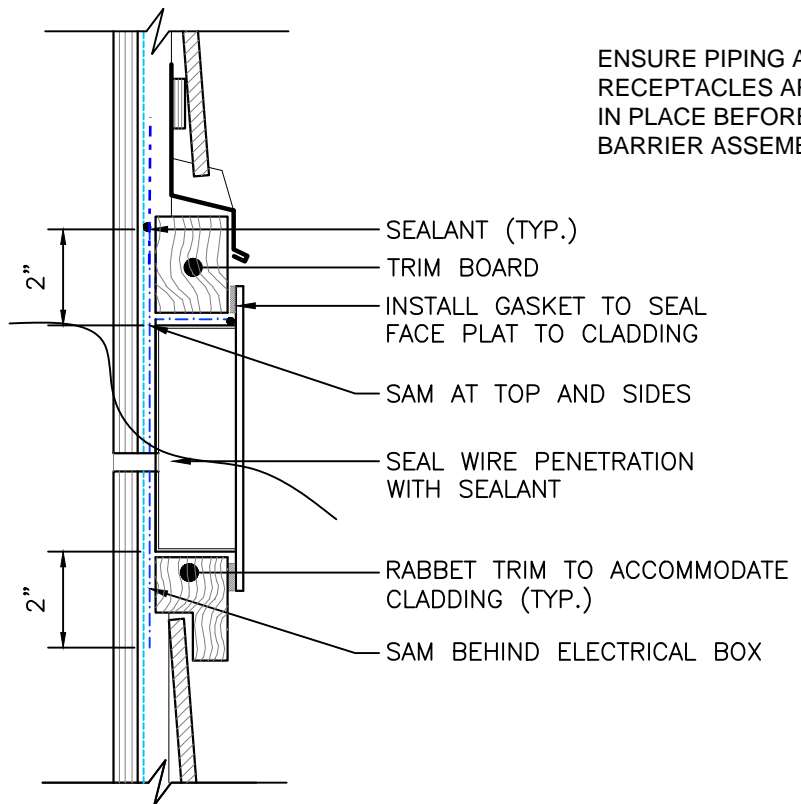


2 TYPICAL HOSE BIB DETAIL
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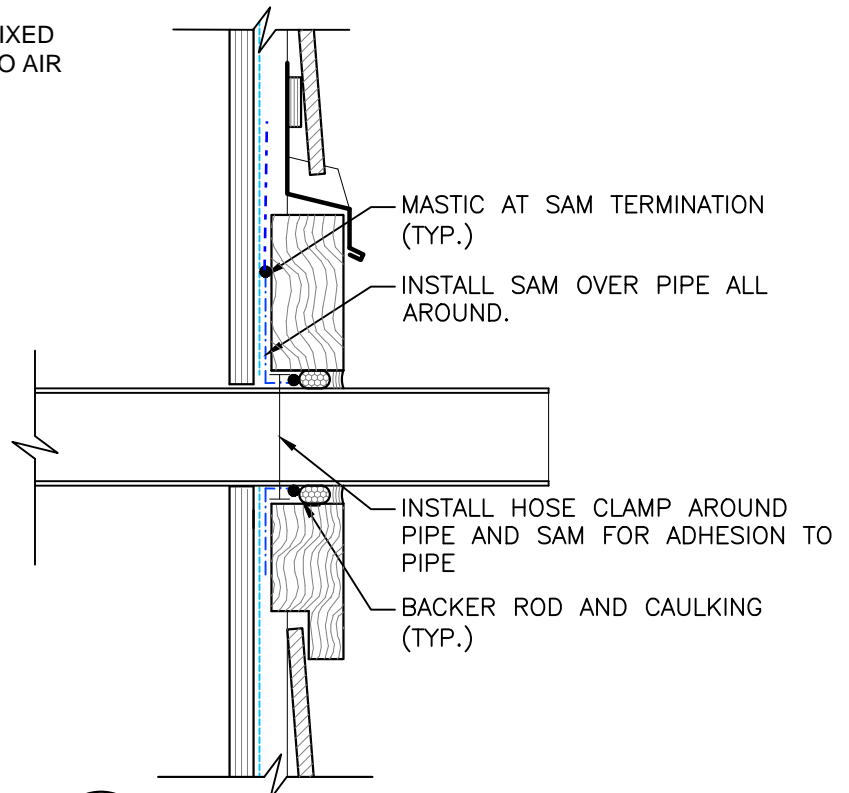


5 ELECTRICAL BOX ISOMETRIC
SCALE: N.T.S.

ENSURE PIPING AND RECEPTACLES ARE FIRMLY FIXED IN PLACE BEFORE SEALING TO AIR BARRIER ASSEMBLY



3 TYPICAL ELECTRICAL OUTLET PENETRATION-LAPPED SIDING
SCALE: 3"=1'-0"



4 PIPE PENETRATION
SCALE: 3"=1'-0"
(SIMILAR FOR SPRINKLER HEAD, GAS PIPE, OR FOR ANY EXTERIOR PENETRATION)

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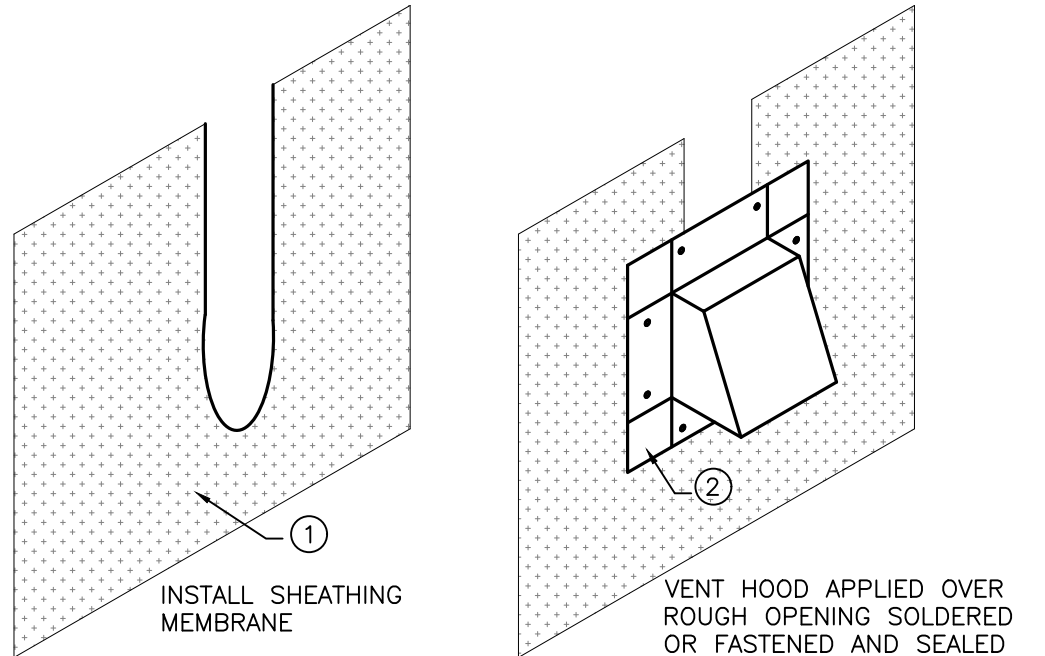
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TYPICAL PENETRATION DETAILS

DATE: DEC/2017	DRAWING No: A5.107
SCALE: AS NOTED	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

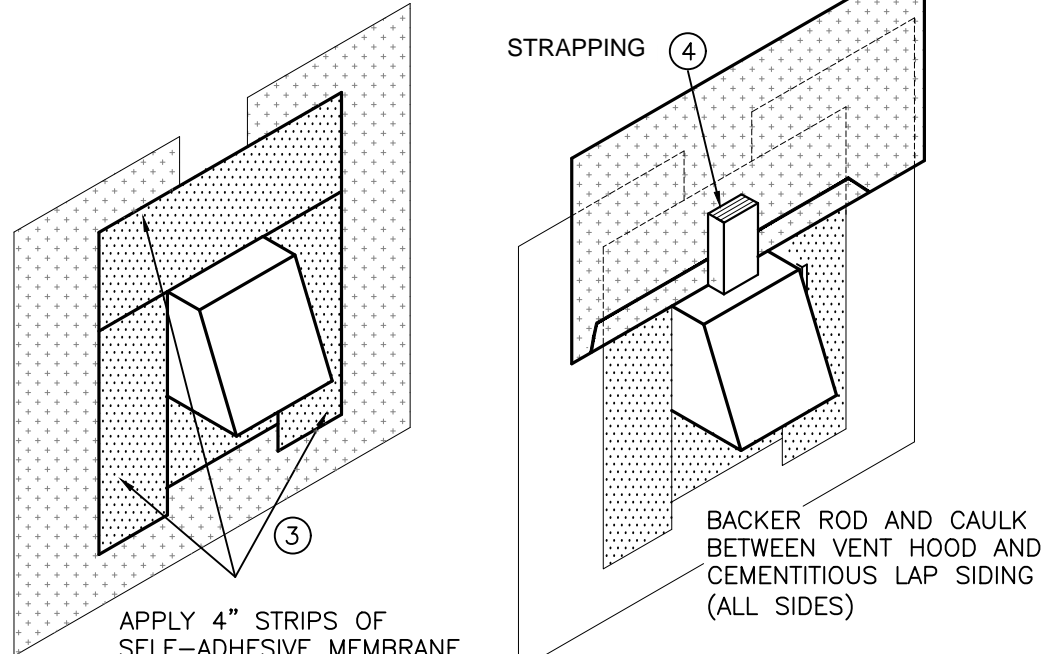
Do not scale drawing. Dimensions to be verified on site. Drawing to be read in conjunction with written specification.

ISSUE	DESCRIPTION	DATE (DD/MM/YY)
A	ISSUED FOR REFERENCE	08/03/18



1
INSTALL SHEATHING MEMBRANE

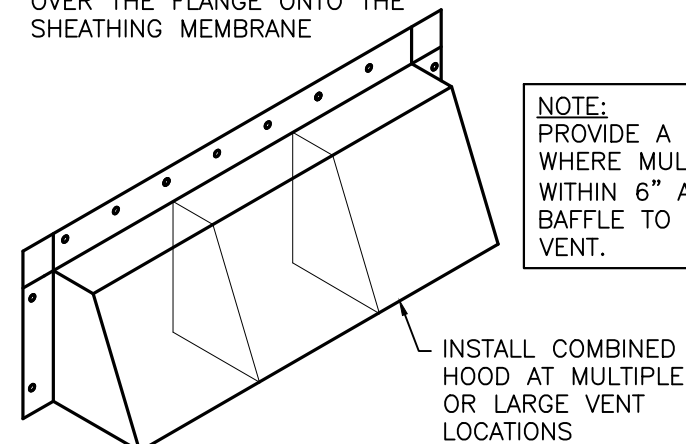
2
VENT HOOD APPLIED OVER ROUGH OPENING SOLDERED OR FASTENED AND SEALED TO 6" DUCT EXTENSION



3
APPLY 4" STRIPS OF SELF-ADHESIVE MEMBRANE OVER THE FLANGE ONTO THE SHEATHING MEMBRANE

4
BACKER ROD AND CAULK BETWEEN VENT HOOD AND CEMENTITIOUS LAP SIDING (ALL SIDES)

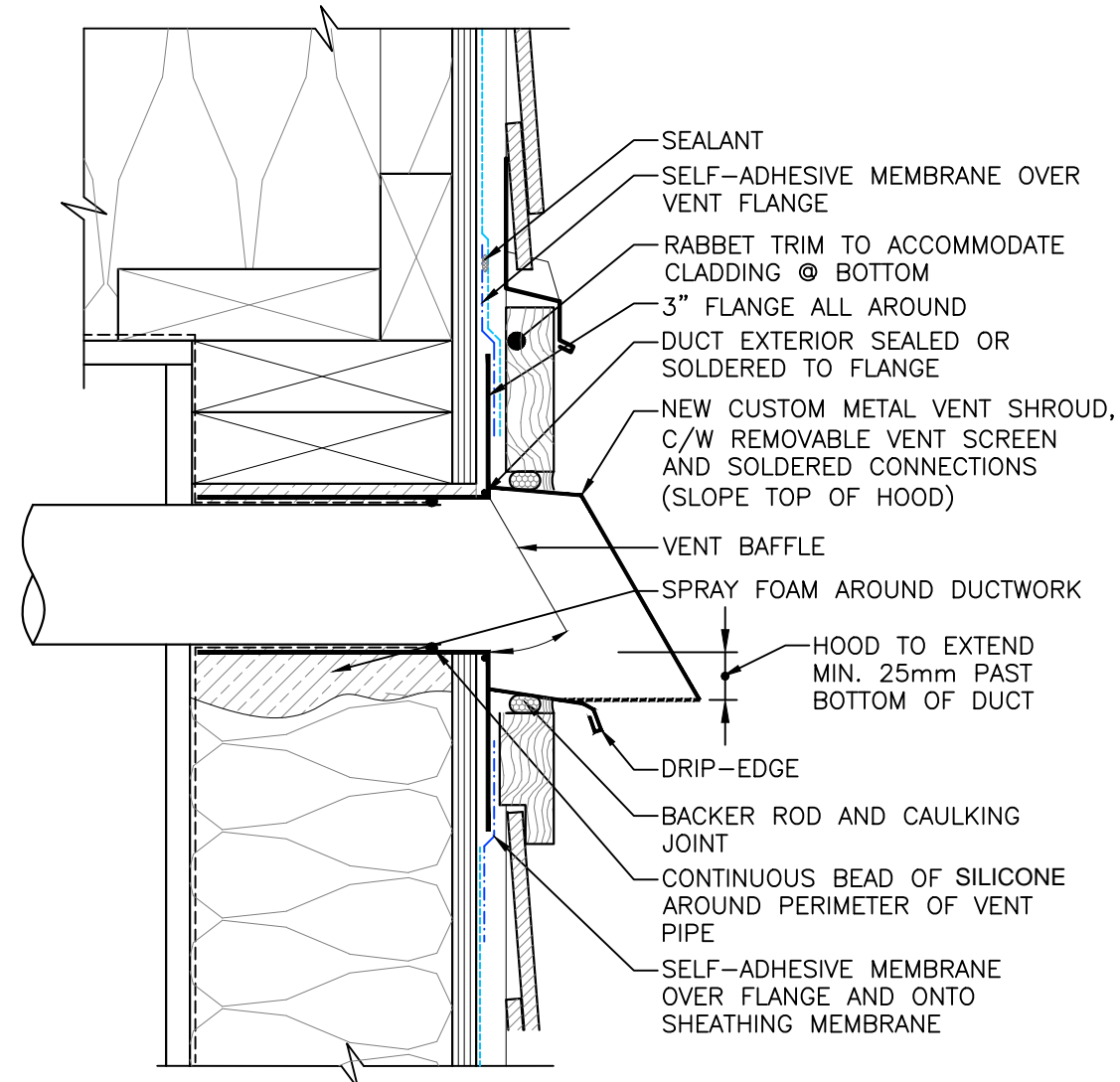
NOTE:
PROVIDE A SINGLE HOOD WHERE MULTIPLE VENTS ARE WITHIN 6" APART, WITH A BAFFLE TO SEPARATE EACH VENT.



1
INSTALL COMBINED HOOD AT MULTIPLE OR LARGE VENT LOCATIONS

1
EXHAUST VENT INSTALLATION SEQUENCE
SCALE: N.T.S.

NOTE:
THE DETAIL BELOW SHOWS THE EXHAUST VENT LOCATION IF THE DUCTWORK WAS RUN THROUGH A BULKHEAD BELOW THE ATTIC SPACE. DETAILING WOULD BE SIMILAR FOR AN EXHAUST VENT THROUGH THE ATTIC SPACE.



2
TYPICAL EXHAUST VENT - SECTION DETAIL
SCALE: 3"=1'-0"

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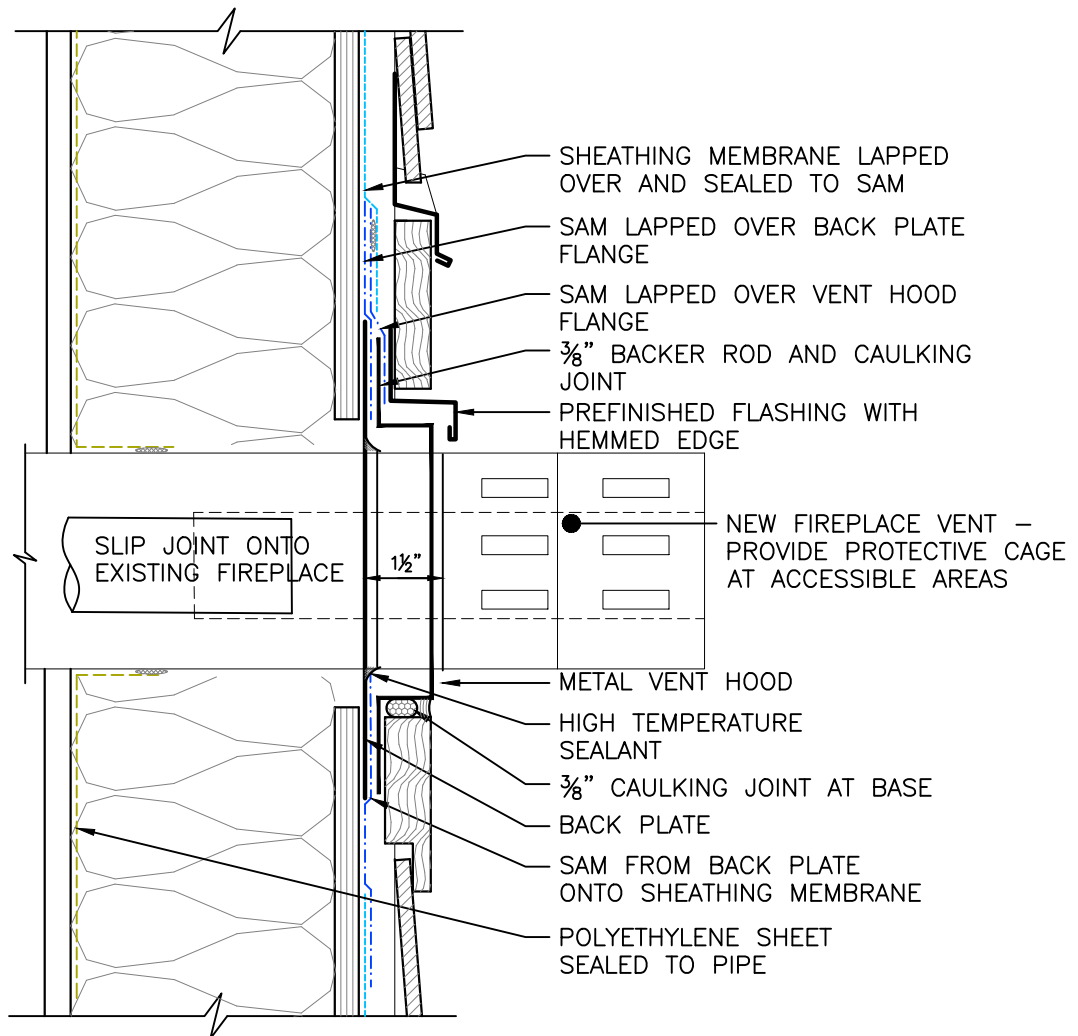
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EXHAUST VENT DETAILS

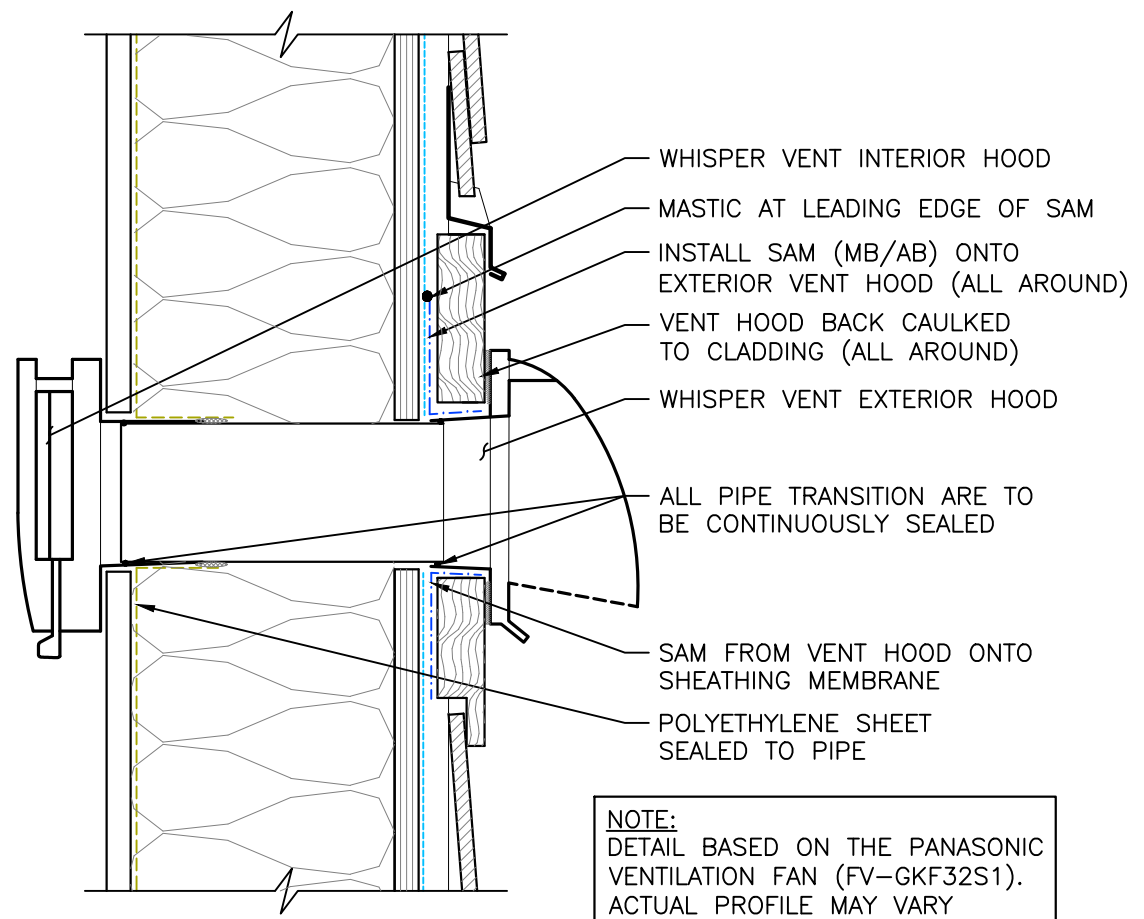
DATE: DEC/2017	DRAWING No: A5.108
SCALE: AS NOTED	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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1 FIREPLACE VENT - SECTION DETAIL
SCALE: 3"=1'-0"



NOTE:
DETAIL BASED ON THE PANASONIC VENTILATION FAN (FV-GKF32S1).
ACTUAL PROFILE MAY VARY

2 MAKE UP AIR VENT - SECTION DETAIL
SCALE: 3"=1'-0"

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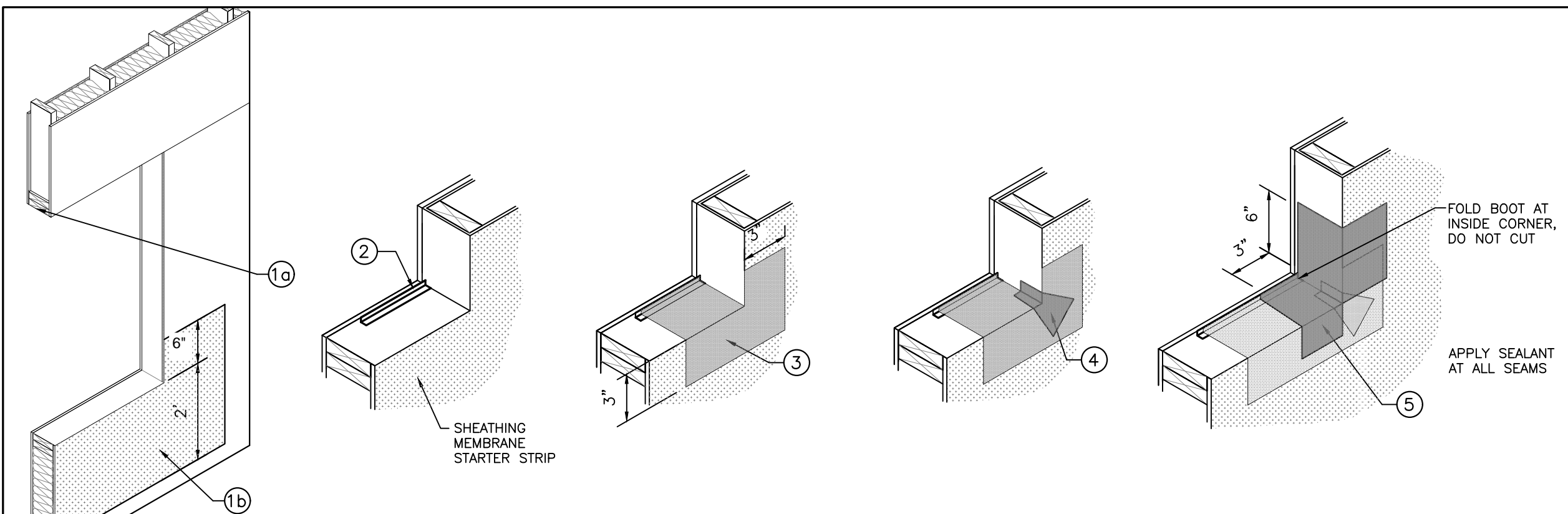
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FIREPLACE AND MAKE UP AIR VENT DETAILS

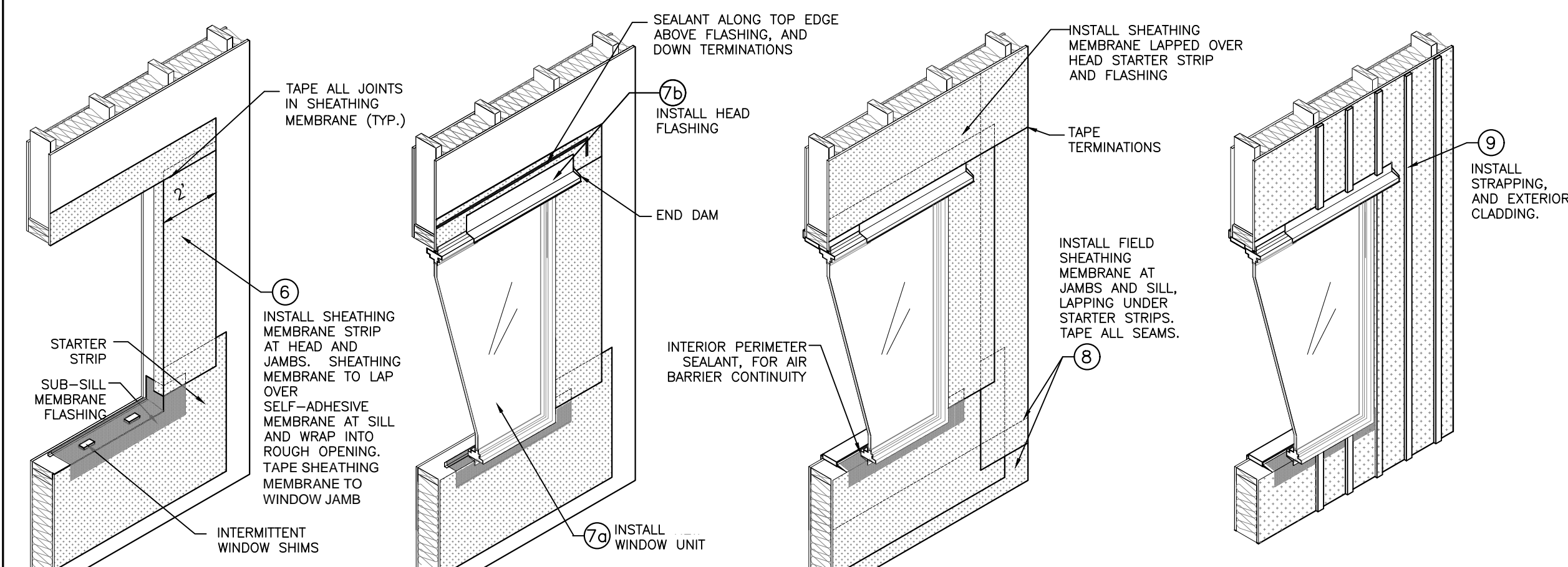
DATE: DEC/2017	DRAWING No: A5.109
SCALE: 3"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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- 1a) REMOVE INTERIOR FINISHES IF APPLICABLE, FROM WINDOW/DOOR OPENINGS TO FACE OF WALL
- 1b) INSTALL SHEATHING MEMBRANE STARTER STRIP AT SILL.
- 2) INSTALL METAL ANGLE AT SILL 1.5" X 1/8" ALUM
- 3) APPLY SELF-ADHESIVE MEMBRANE SILL.
- 4) INSTALL GUSSETS TO PREVENT PIN HOLES.
- 5) LAP JAMB SELF-ADHESIVE MEMBRANE BOOT OVER SILL MEMBRANE AND GUSSET AT CORNER



- 6) INSTALL SHEATHING MEMBRANE STARTER STRIPS AT JAMBS AND HEAD.
- 7a) INSTALL WINDOW UNIT
- 7b) INSTALL HEAD FLASHING.
- 8) APPLY SEALANT AT WINDOW HEAD AS SHOWN AND LAP SHEATHING MEMBRANE OVER METAL FLASHING. INSTALL NEW WOOD LINER AND TRIM AROUND WINDOW.
- 9) INSTALL STRAPPING, COMPLETE RAINSCREEN AS PER SPECIFIED WALL ASSEMBLY AND APPLY ASSOCIATED SEALANT DETAILS.

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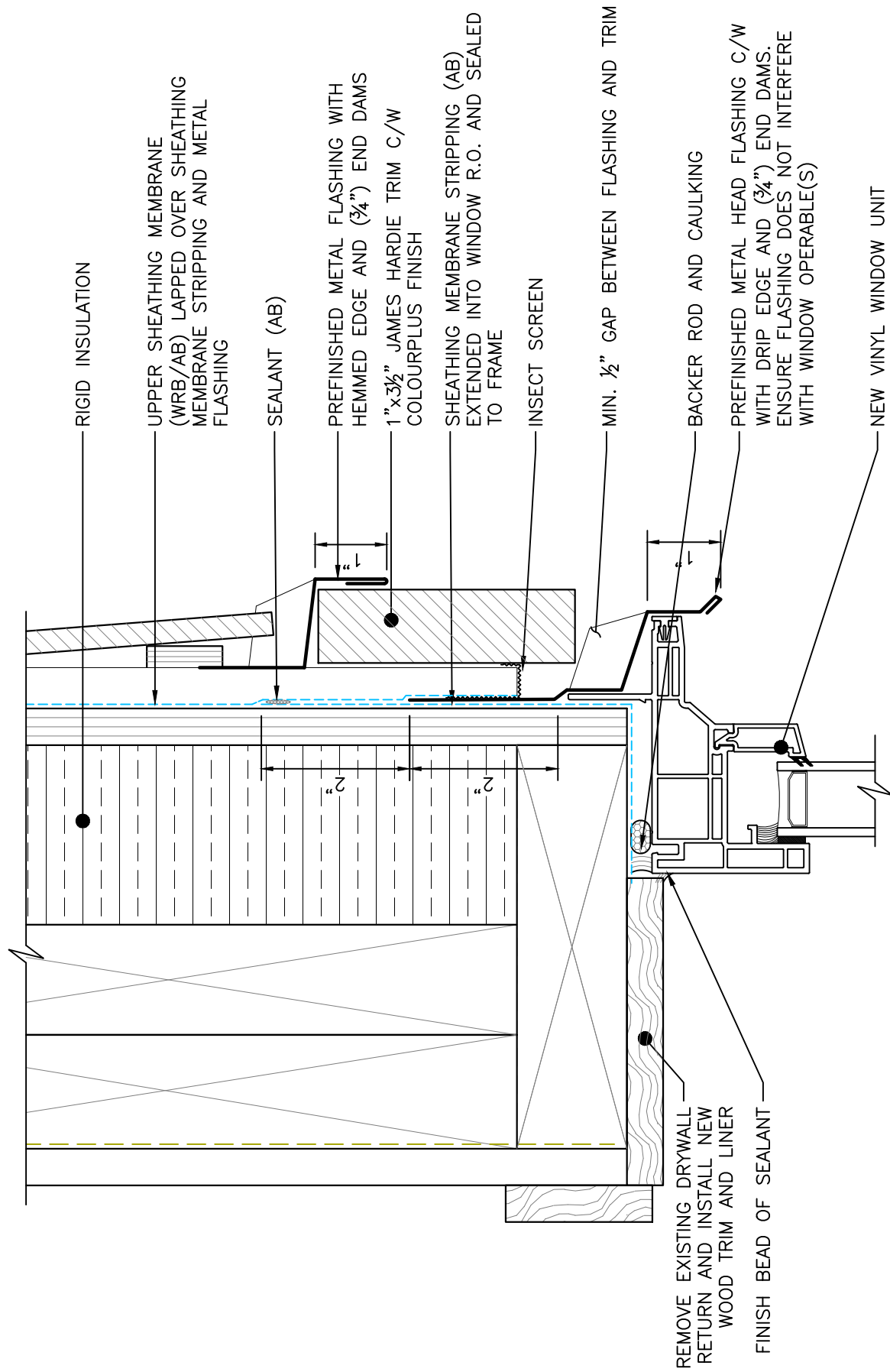
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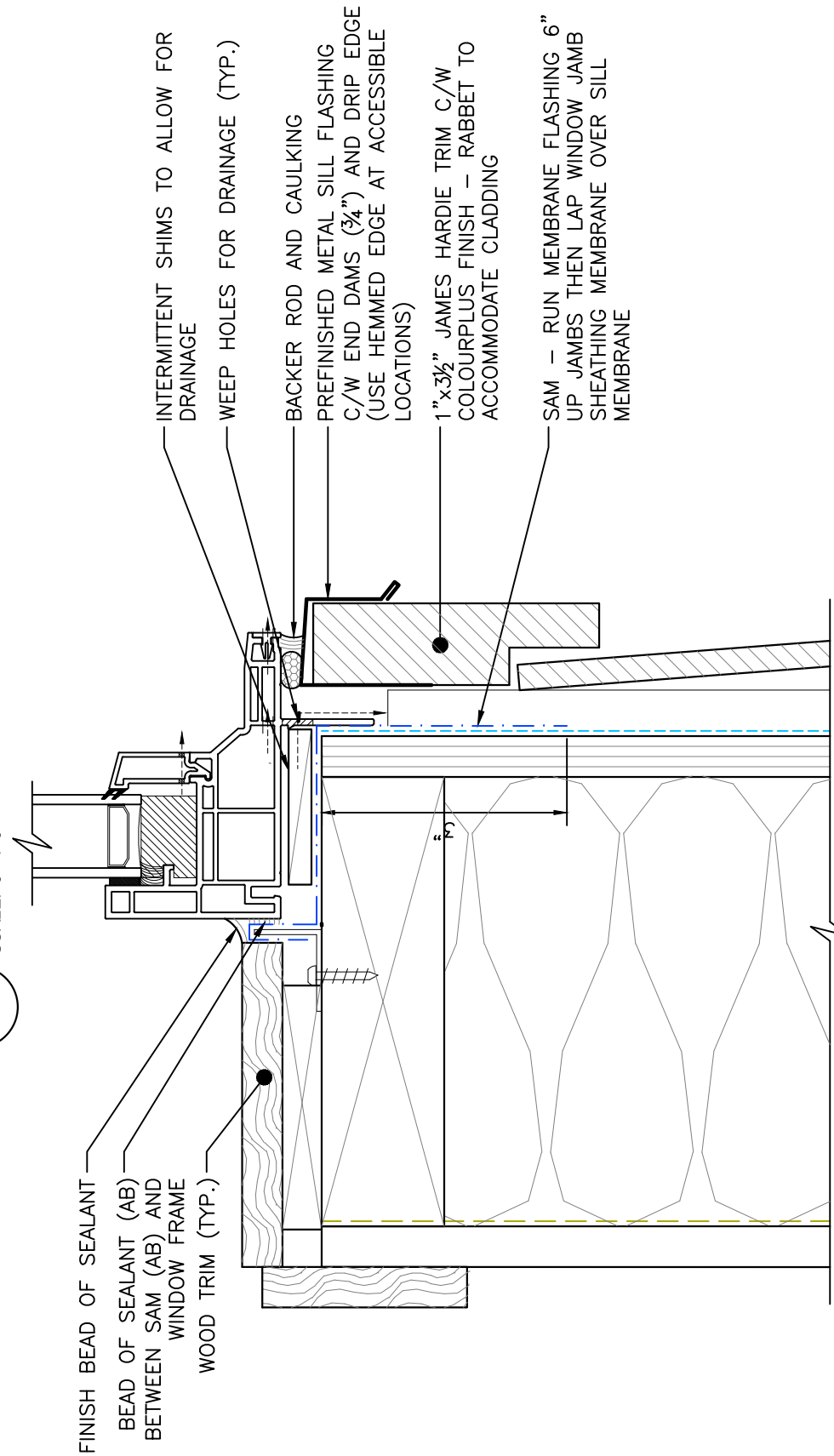
WINDOW INSTALLATION SEQUENCE	
DATE: DEC/2017	DRAWING No: A5.201
SCALE: N.T.S.	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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1 WINDOW HEAD DETAIL
SCALE: 6"=1'-0"



2 WINDOW SILL DETAIL
SCALE: 6"=1'-0"

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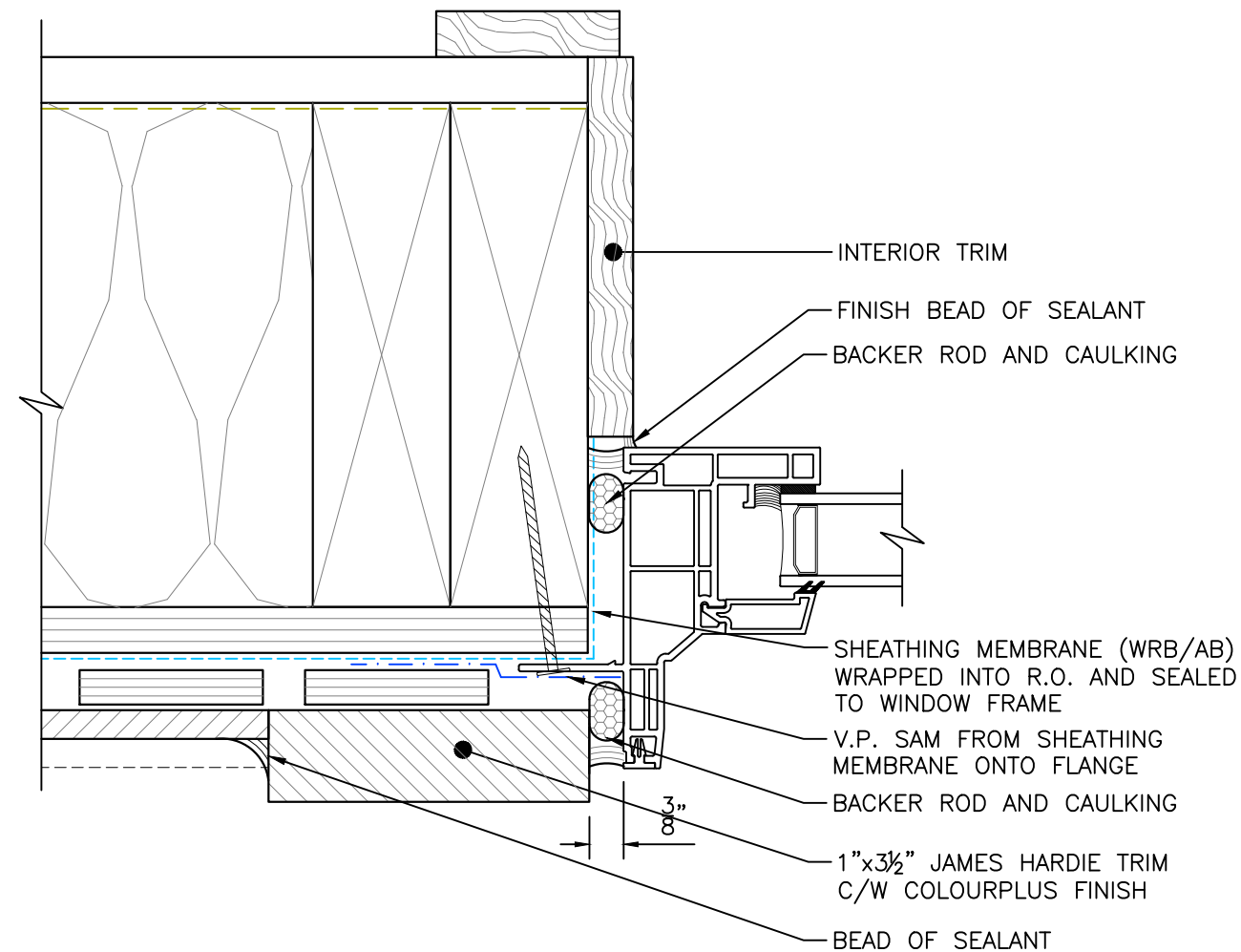
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WINDOW HEAD AND SILL DETAILS

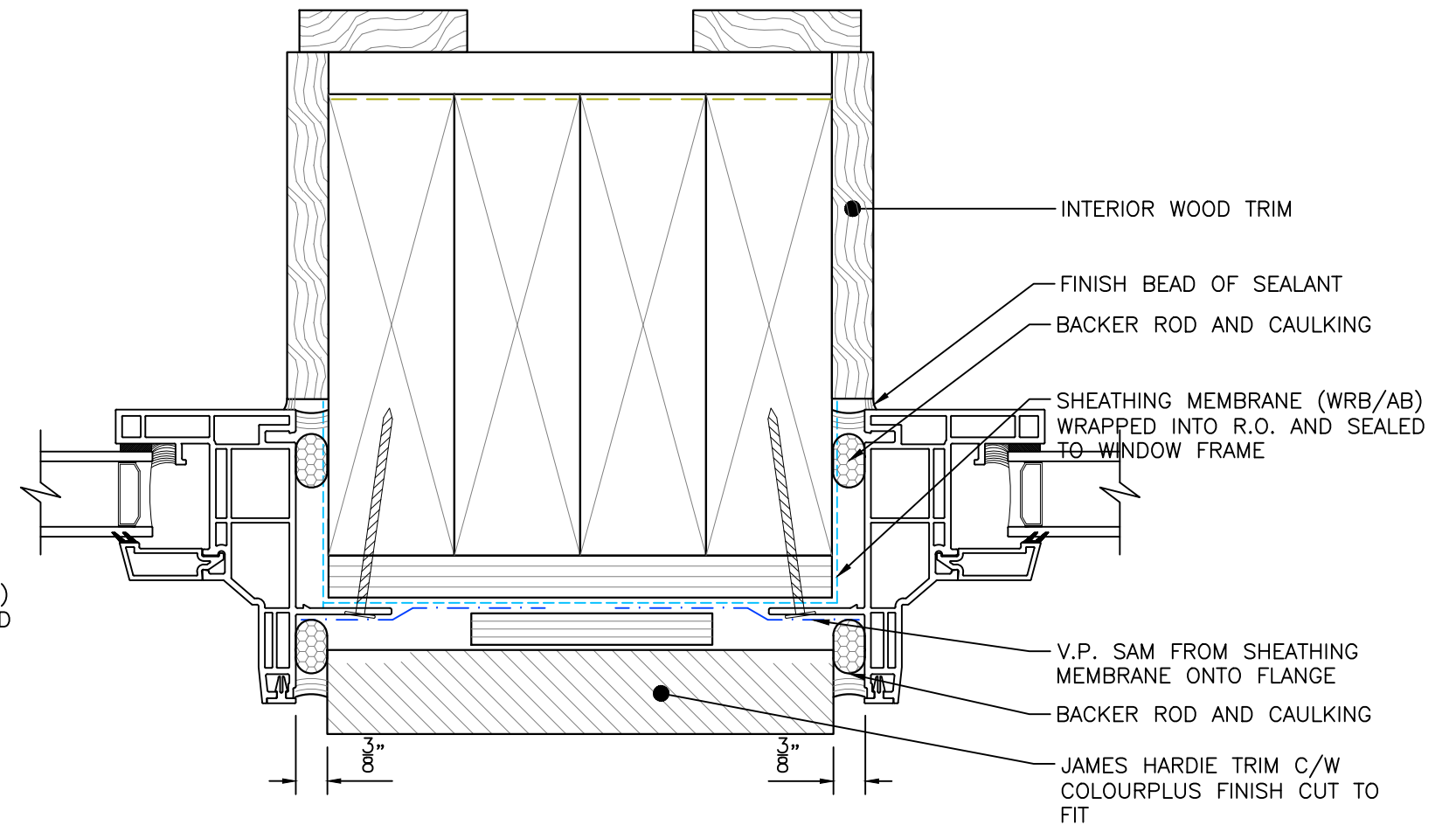
DATE: DEC/2017	DRAWING No: A5.202
SCALE: 6"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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ISSUE	DESCRIPTION	DATE (DD/MM/YY)
A	ISSUED FOR REFERENCE	08/03/18



1 TYPICAL WINDOW JAMB DETAIL
SCALE: 6"=1'-0"



2 WINDOW JAMB TO JAMB DETAIL
SCALE: 6"=1'-0"

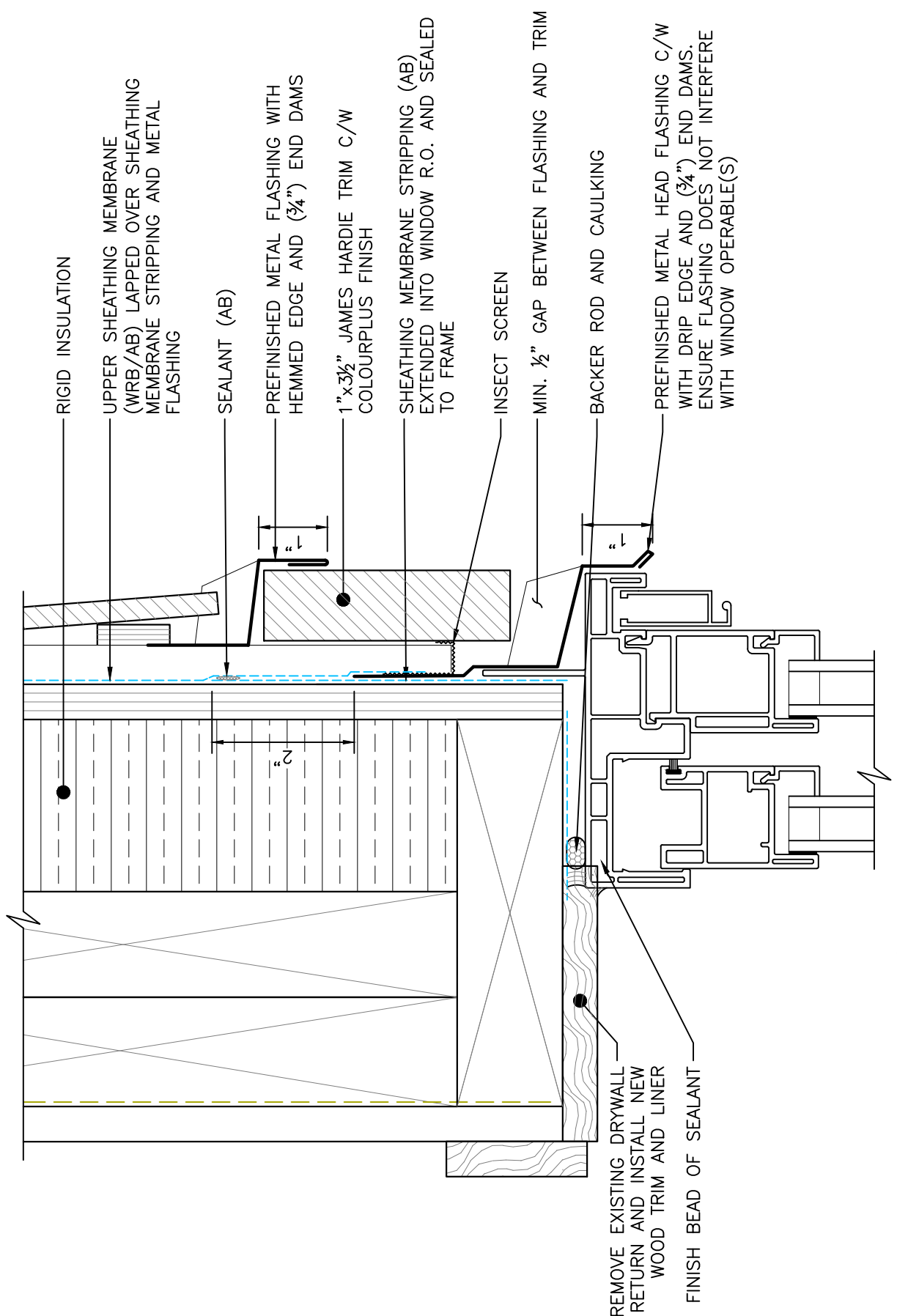
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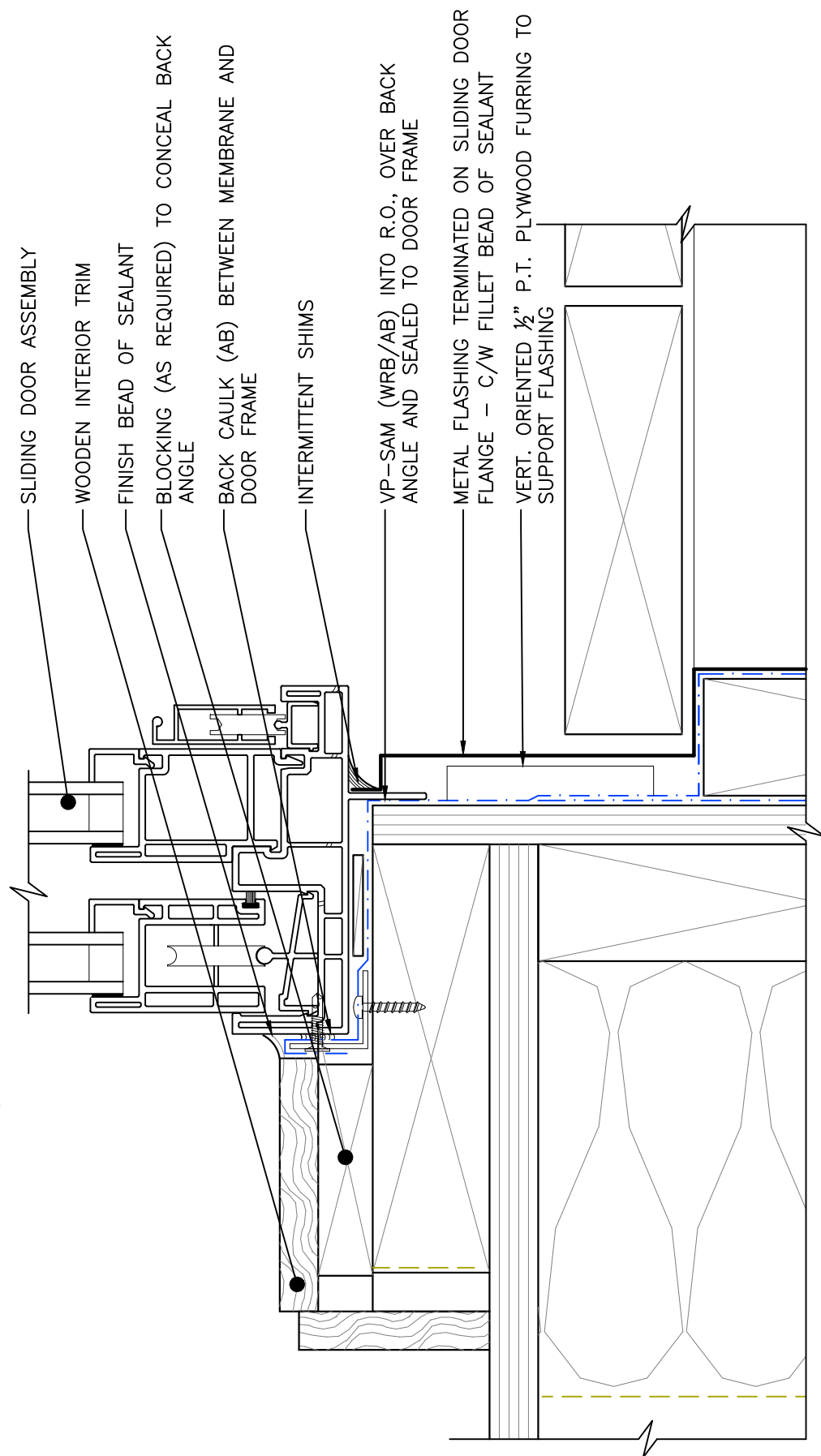
WINDOW JAMB DETAILS	
DATE: DEC/2017	DRAWING No: A5.203
SCALE: 6"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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ISSUE	DESCRIPTION	DATE (DD/MM/YY)
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1 SLIDING DOOR HEAD DETAIL
SCALE: 6"=1'-0"



2 SLIDING DOOR SILL DETAIL
SCALE: 6"=1'-0"

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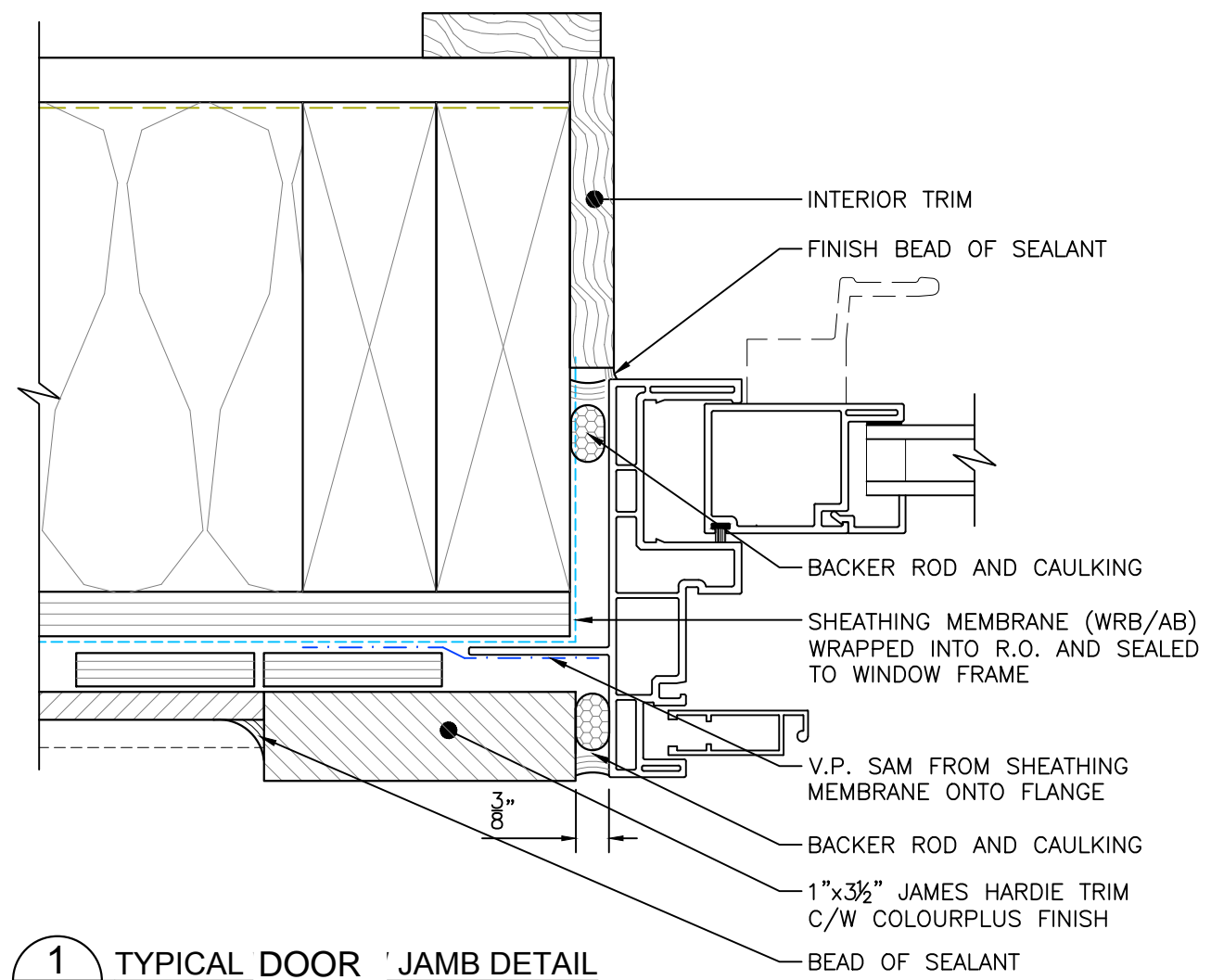
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SLIDING DOOR HEAD AND SILL DETAILS

DATE: DEC/2017	DRAWING No: A5.204
SCALE: 6"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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1 TYPICAL DOOR JAMB DETAIL
SCALE: 6"=1'-0"



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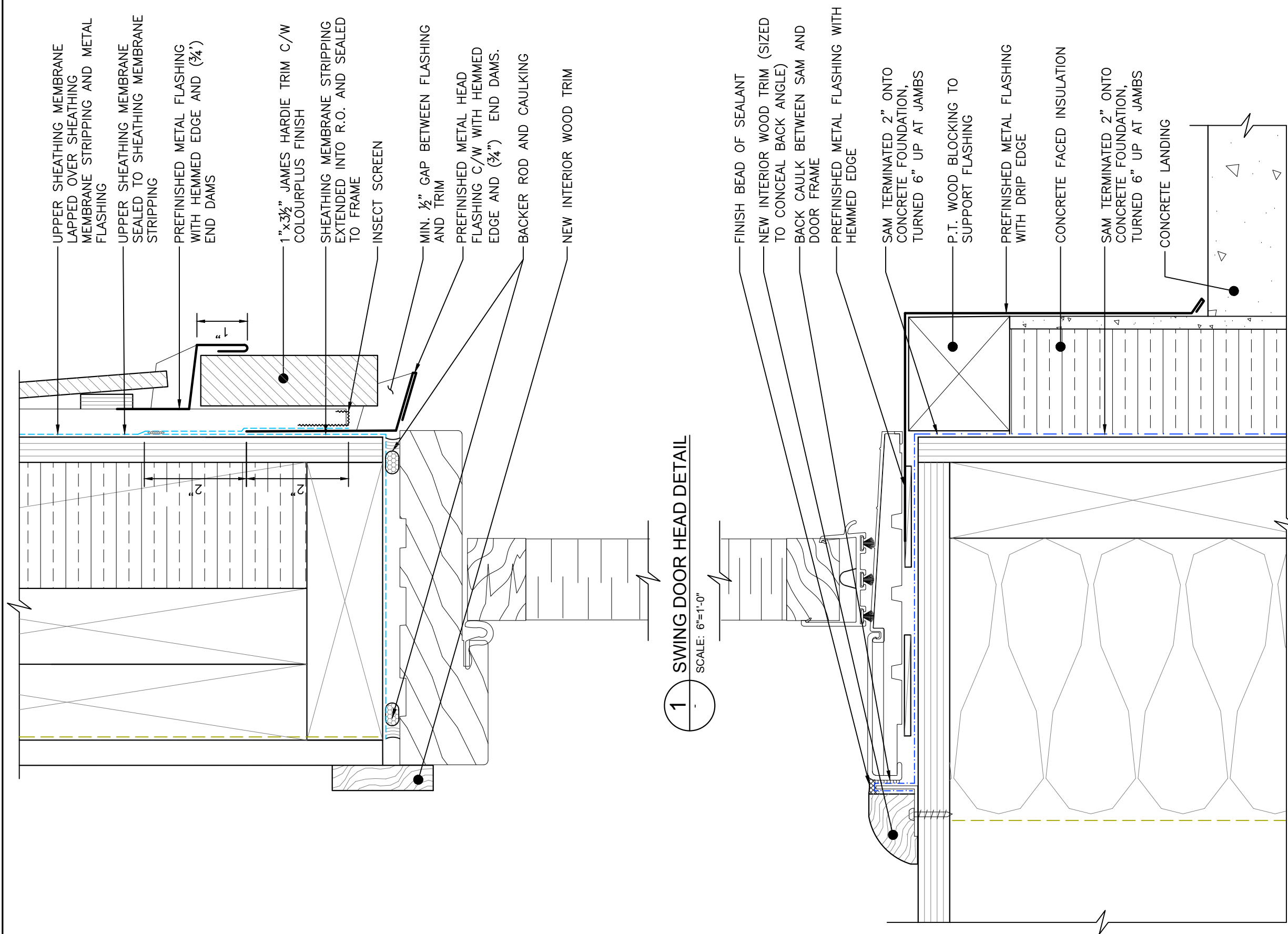
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SLIDING DOOR JAMB DETAIL

DATE: DEC/2017	DRAWING No: A5.205
SCALE: 6"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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- UPPER SHEATHING MEMBRANE LAPPED OVER SHEATHING MEMBRANE STRIPPING AND METAL FLASHING
- UPPER SHEATHING MEMBRANE SEALED TO SHEATHING MEMBRANE STRIPPING
- PREFINISHED METAL FLASHING WITH HEMMED EDGE AND (3/4") END DAMS
- 1"x3/2" JAMES HARDIE TRIM C/W COLOURPLUS FINISH
- SHEATHING MEMBRANE STRIPPING EXTENDED INTO R.O. AND SEALED TO FRAME
- INSECT SCREEN
- MIN. 1/2" GAP BETWEEN FLASHING AND TRIM
- PREFINISHED METAL HEAD FLASHING C/W WITH HEMMED EDGE AND (3/4") END DAMS.
- BACKER ROD AND CAULKING
- NEW INTERIOR WOOD TRIM

1 SWING DOOR HEAD DETAIL
SCALE: 6"=1'-0"

- FINISH BEAD OF SEALANT
- NEW INTERIOR WOOD TRIM (SIZED TO CONCEAL BACK ANGLE)
- BACK CAULK BETWEEN SAM AND DOOR FRAME
- PREFINISHED METAL FLASHING WITH HEMMED EDGE
- SAM TERMINATED 2" ONTO CONCRETE FOUNDATION, TURNED 6" UP AT JAMBS
- P.T. WOOD BLOCKING TO SUPPORT FLASHING
- PREFINISHED METAL FLASHING WITH DRIP EDGE
- CONCRETE FACED INSULATION
- SAM TERMINATED 2" ONTO CONCRETE FOUNDATION, TURNED 6" UP AT JAMBS
- CONCRETE LANDING

1 SWING DOOR THRESHOLD - CURB
SCALE: 6"=1'-0"

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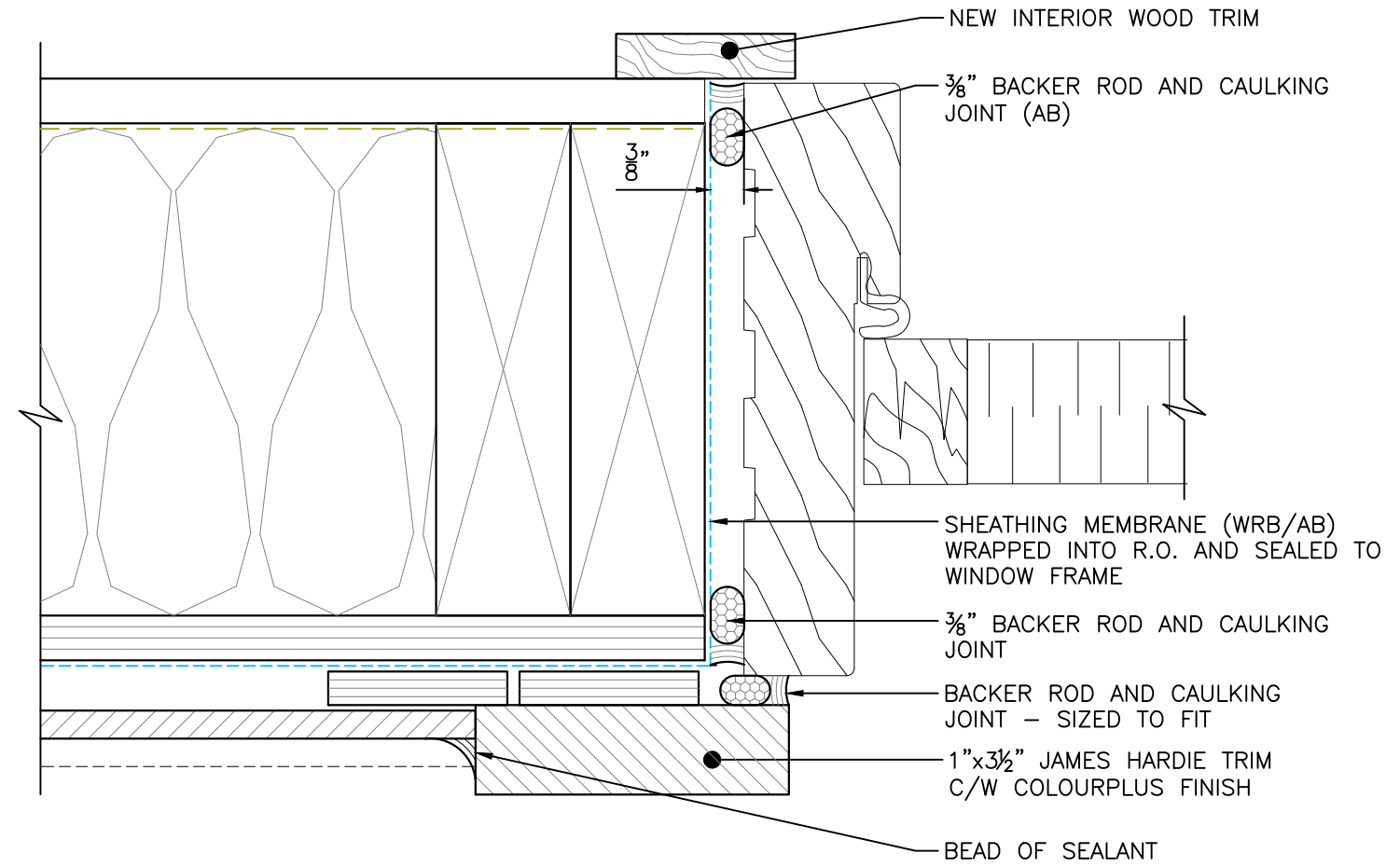
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SWING DOOR HEAD AND SILL DETAILS

DATE: DEC/2017	DRAWING No: A5.206
SCALE: 6"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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2 TYPICAL WINDOW JAMB DETAIL
SCALE: 6"=1'-0"

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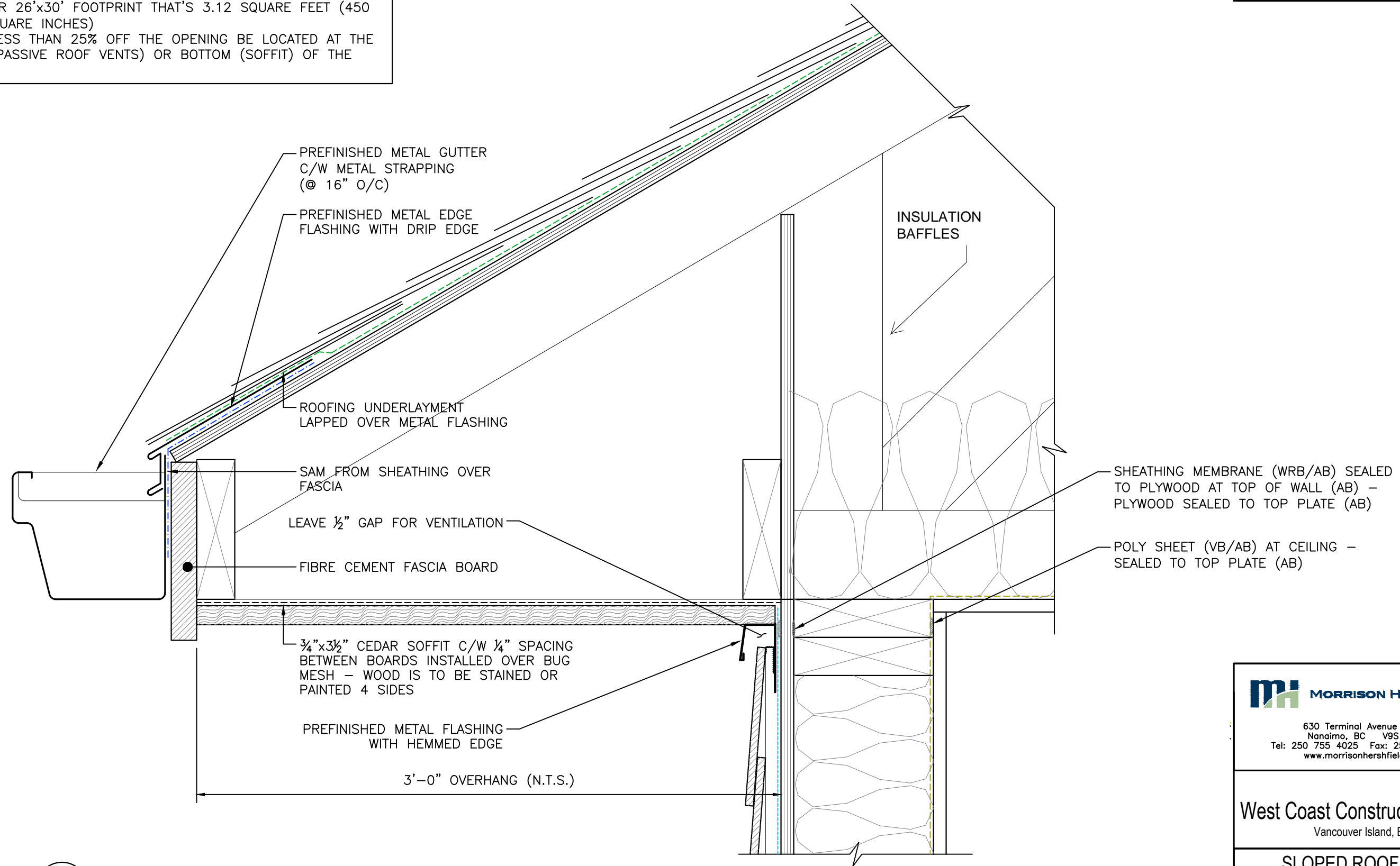
SWING DOOR JAMB
DETAIL

DATE: DEC/2017	DRAWING No: A5.207
SCALE: 6"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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BCBC VENTING REQUIREMENTS:
 1. TOTAL VENTILATION AREA TO BE $\frac{1}{300}$ PROJECTED FLOOR AREA
 1.1. FOR 26'x30' FOOTPRINT THAT'S 3.12 SQUARE FEET (450 SQUARE INCHES)
 2. NOT LESS THAN 25% OFF THE OPENING BE LOCATED AT THE TOP (PASSIVE ROOF VENTS) OR BOTTOM (SOFFIT) OF THE SPACE



1 TOP OF WALL AT SLOPED ROOF - SECTION DETAIL
 SCALE: 3"=1'-0"

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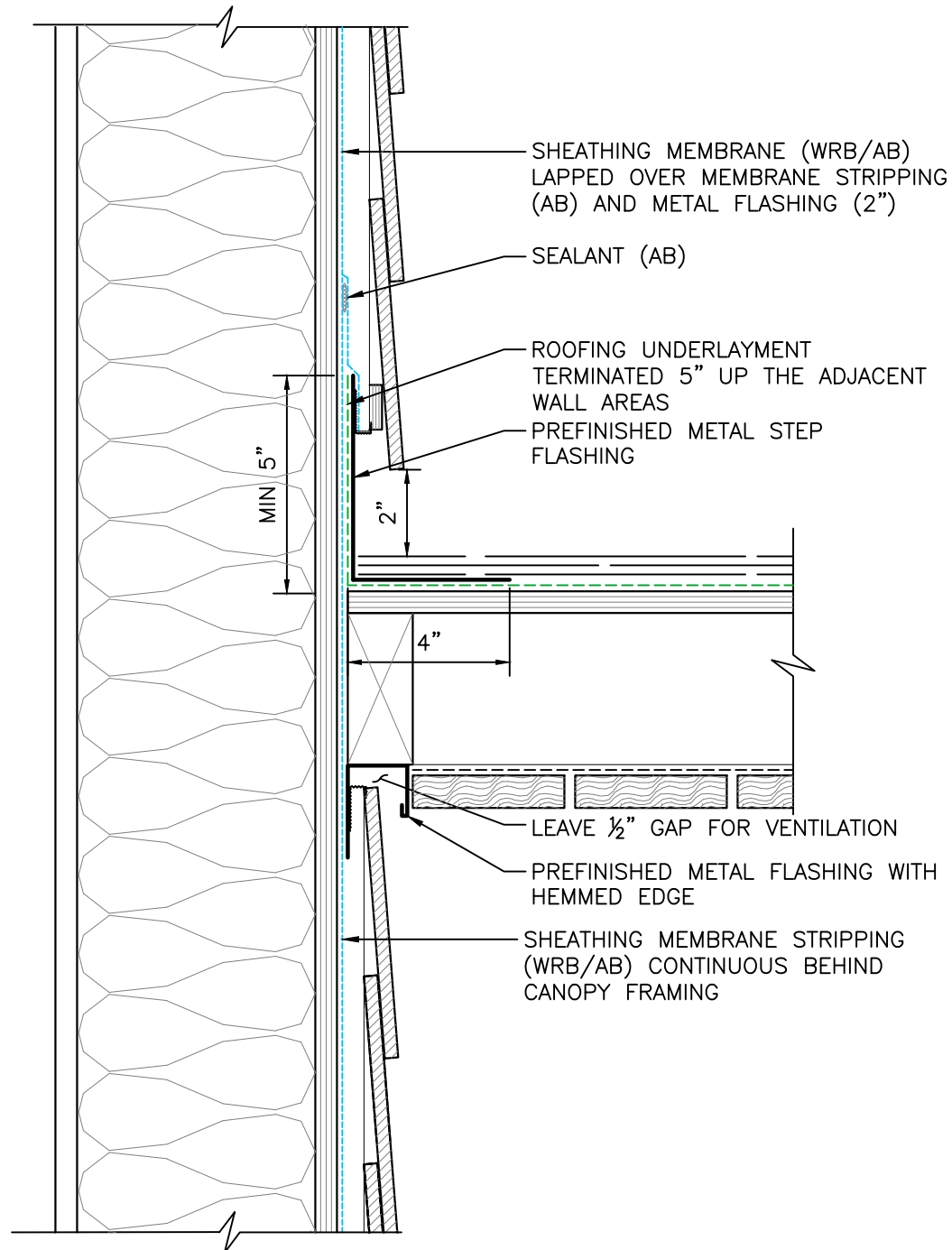
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SLOPED ROOF EDGE DETAIL

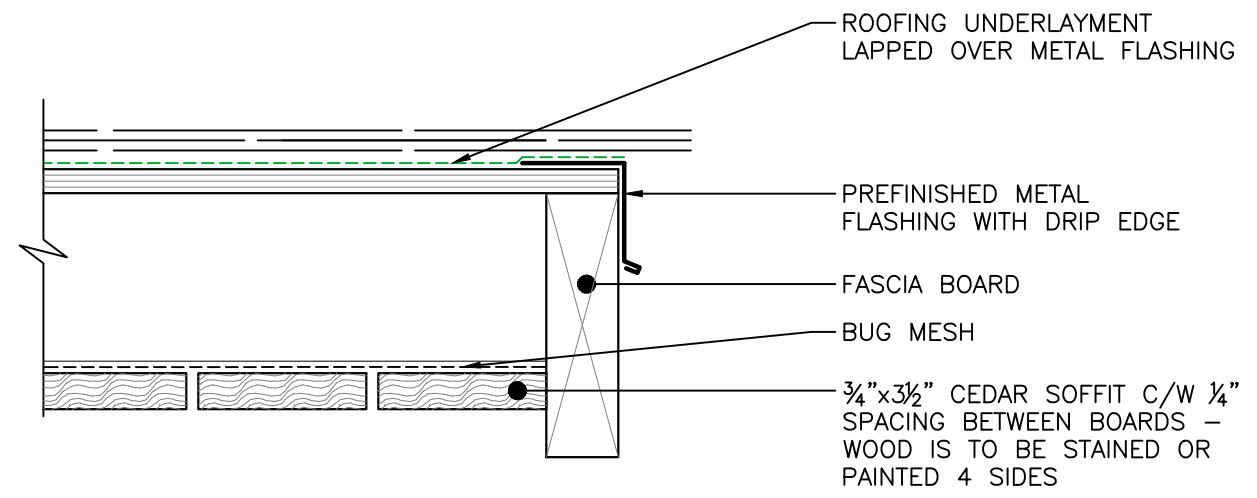
DATE: DEC/2017	DRAWING No: A5.401
SCALE: 3"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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1 BASE OF WALL AT CANOPY - SECTION DETAIL
SCALE: 3"=1'-0"



2 CANOPY EDGE - SECTION DETAIL
SCALE: 3"=1'-0"

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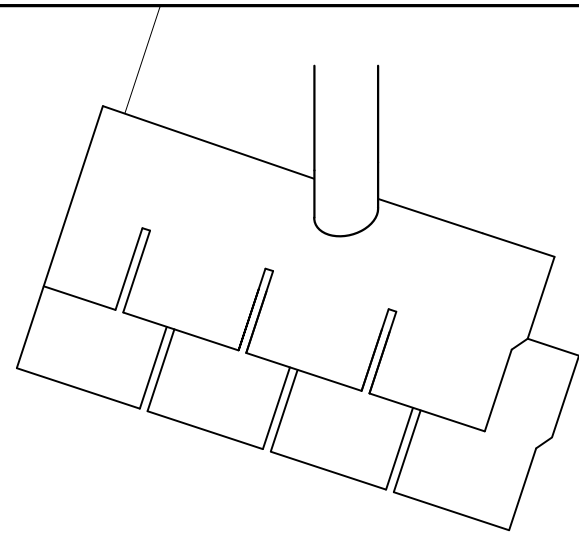
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CANOPY DETAILS

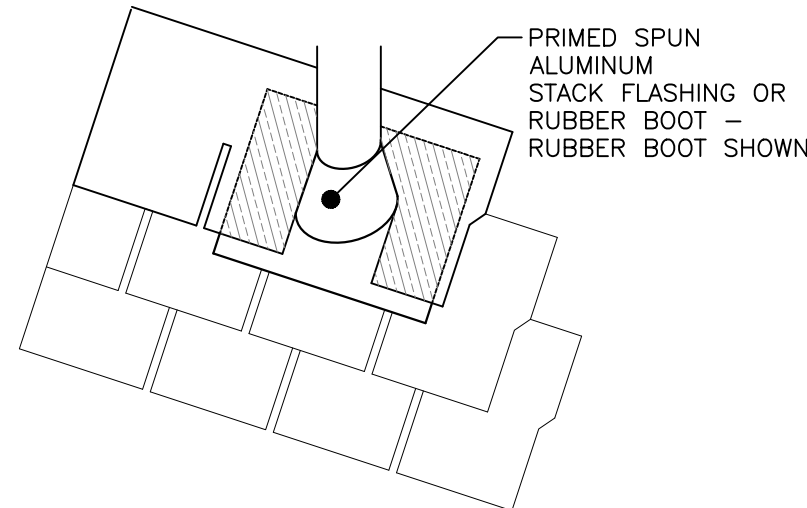
DATE: DEC/2017	DRAWING No: A5.402
SCALE: 3"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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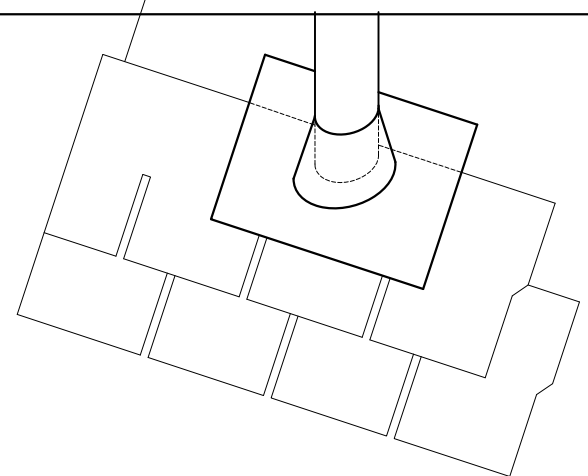
ISSUE	DESCRIPTION	DATE (DD/MM/YY)
A	ISSUED FOR REFERENCE	08/03/18



1. CUT SHINGLE TO FIT OVER PIPE

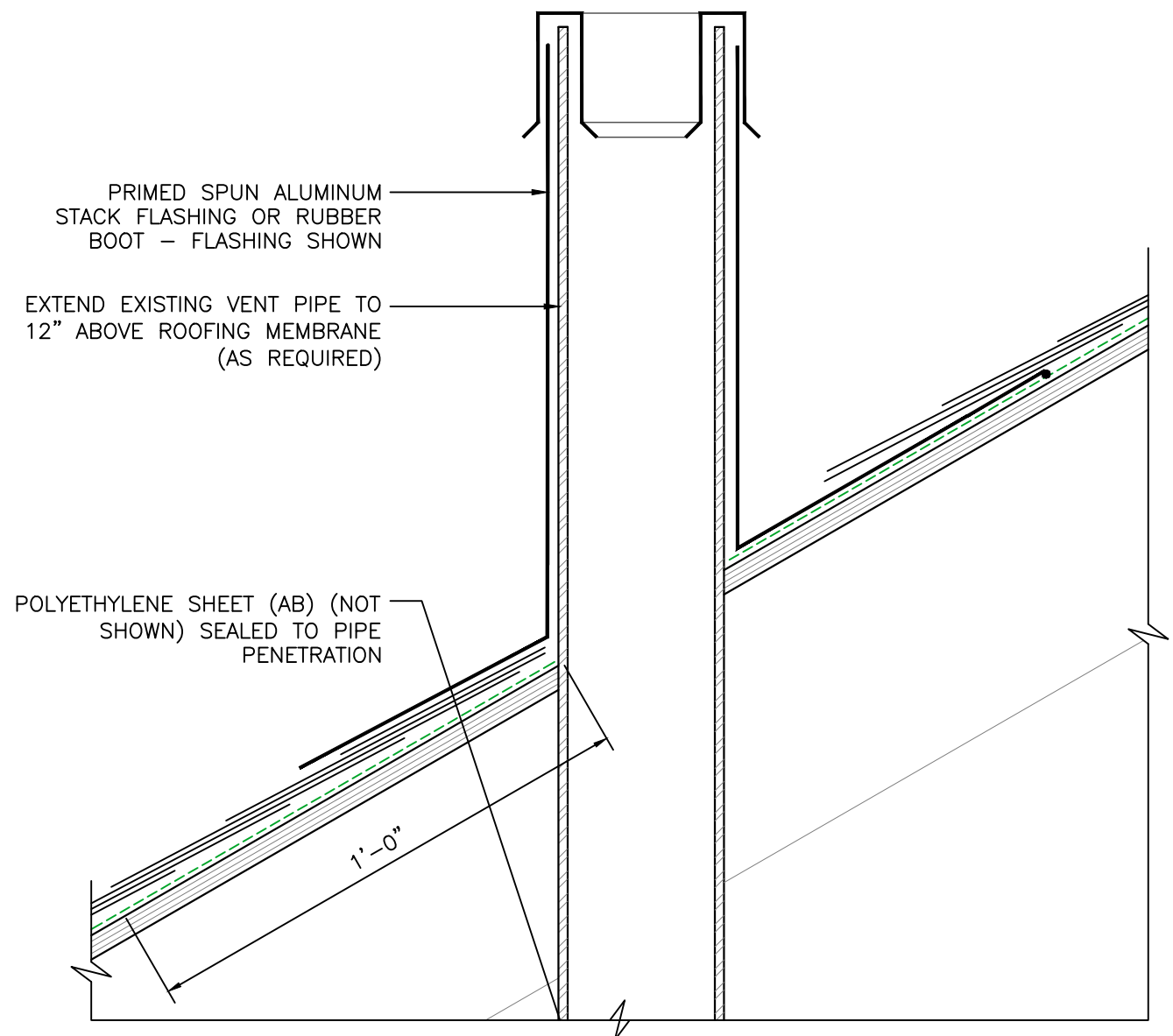


2. INSTALL PRE-FORMED FLANGE OVER PIPE



3. SEAL COVERING SHINGLE TO FLANGE WITH SEALANT

1 PLUMBING STACK INSTALLATION SEQUENCE
SCALE: N.T.S.



2 PLUMBING STACK - SECTION DETAIL
SCALE: 3"=1'-0"

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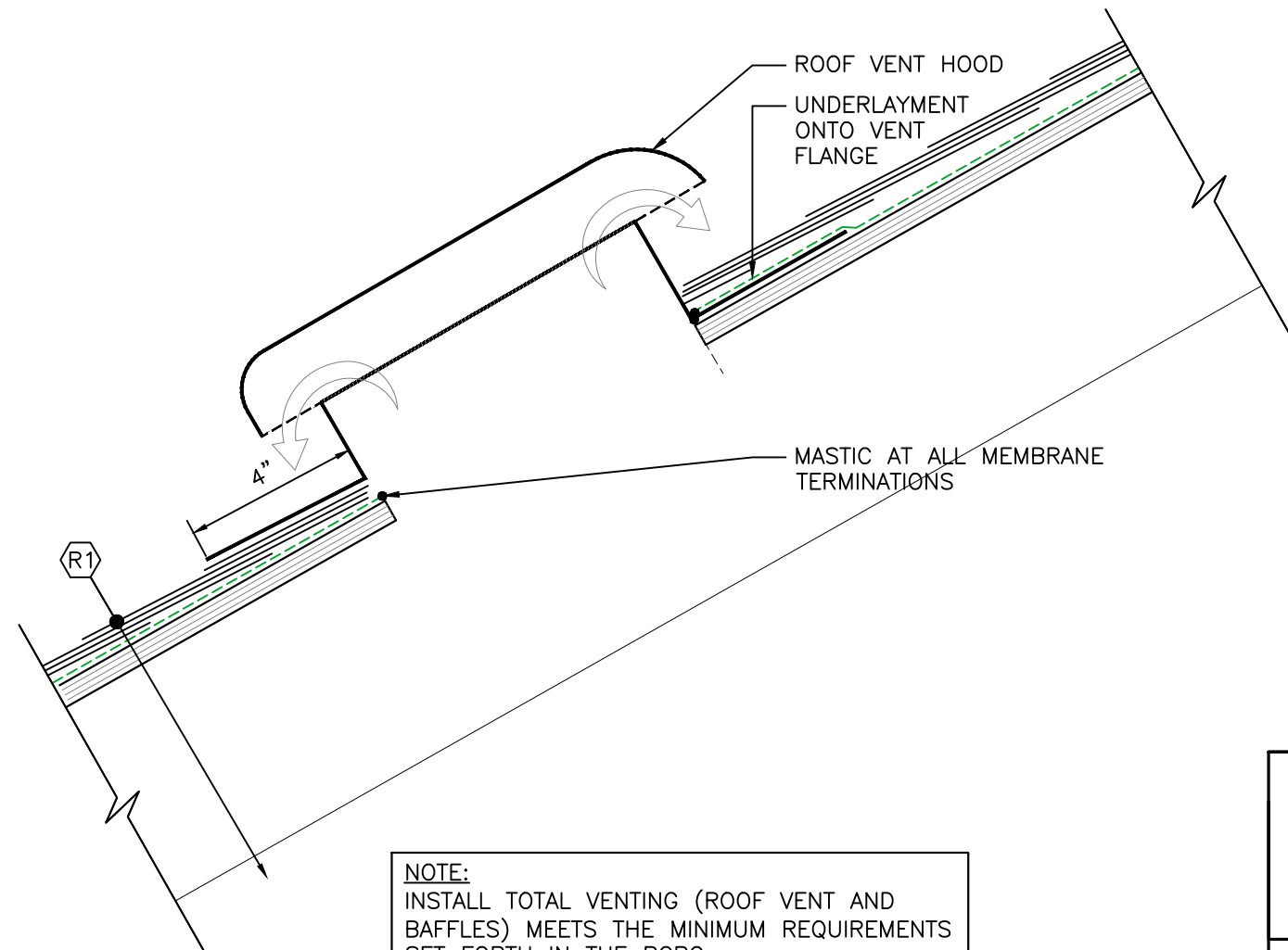
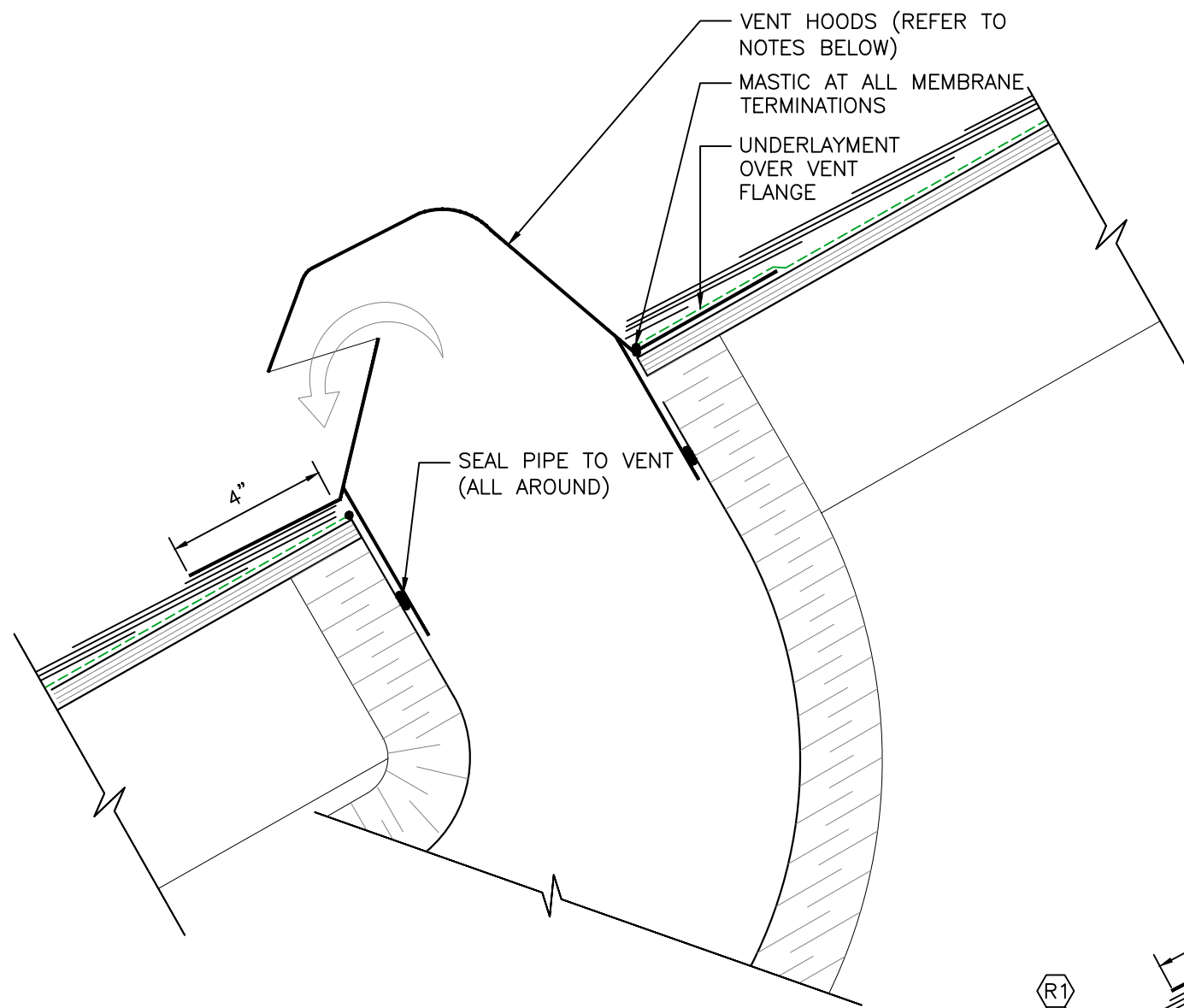
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PLUMBING STACK DETAILS

DATE: DEC/2017	DRAWING No: A5.403
SCALE: AS NOTED	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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- NOTES:**
- INSTALL DEDICATED VENTS FOR ALL DUCTING.
 - ENSURE THE TERMINUS IS INSTALLED SUCH THAT THE AMOUNT OF DUCTING IN THE ATTIC SPACE IS MINIMIZED.
 - DUCTING IS TO BE CONTINUOUSLY INSULATED.

NOTE:
INSTALL TOTAL VENTING (ROOF VENT AND BAFFLES) MEETS THE MINIMUM REQUIREMENTS SET FORTH IN THE BCBC.

1 SLOPED ROOF EXHAUST VENT
SCALE: 3"=1'-0"

2 PASSIVE ROOF VENT
SCALE: 3"=1'-0"

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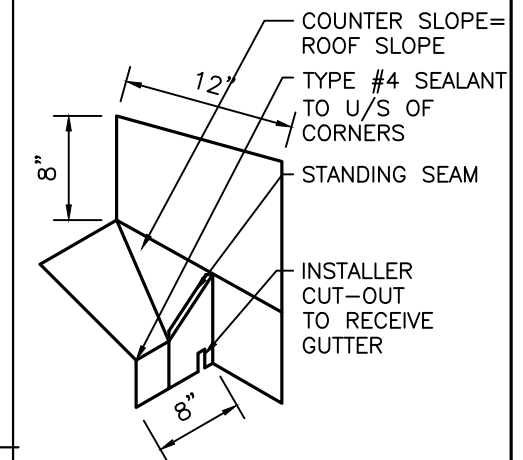
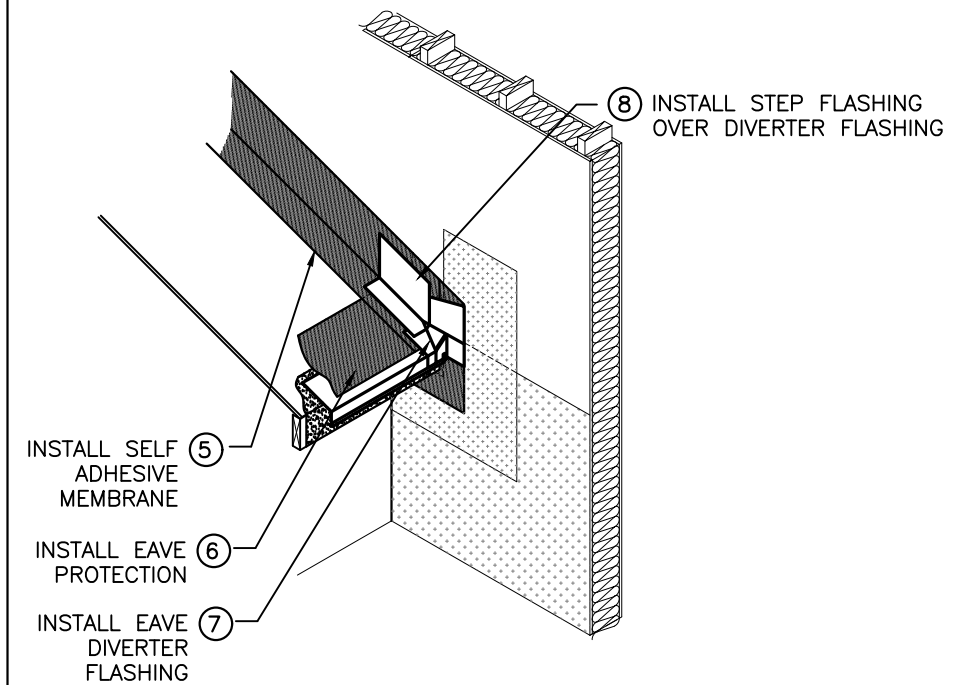
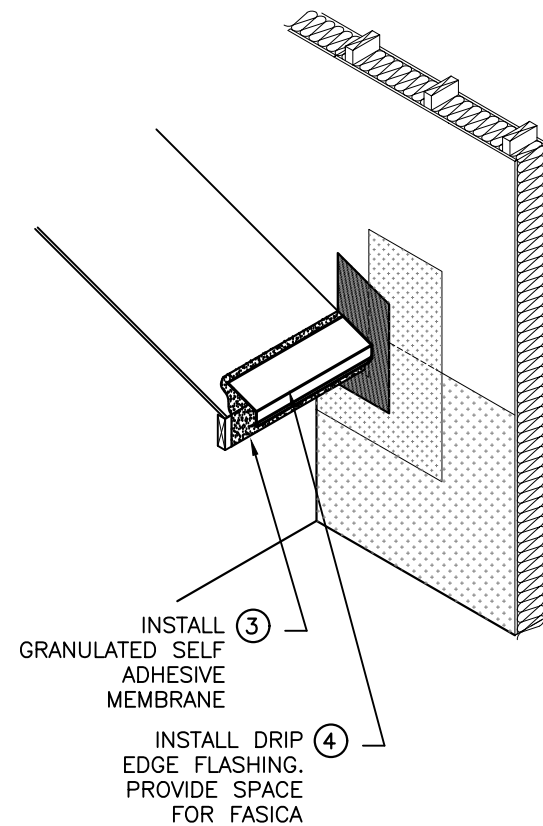
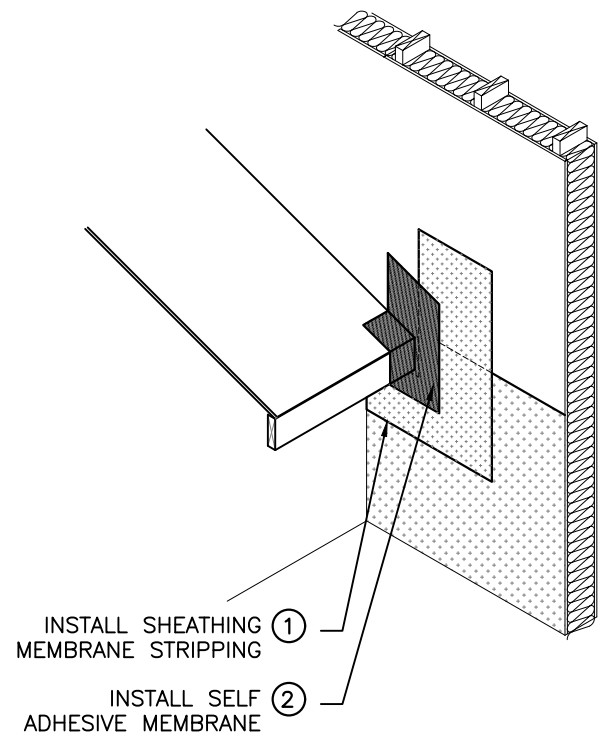
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VENT DETAILS

DATE: DEC/2017	DRAWING No: A5.404
SCALE: 3"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

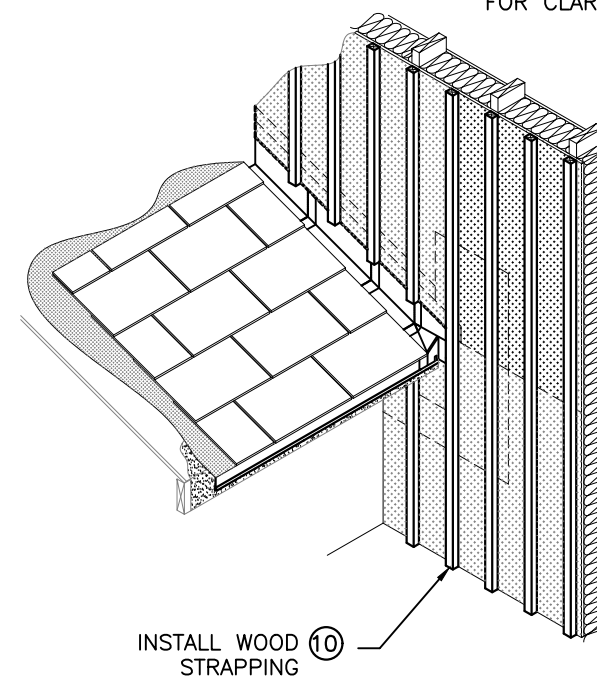
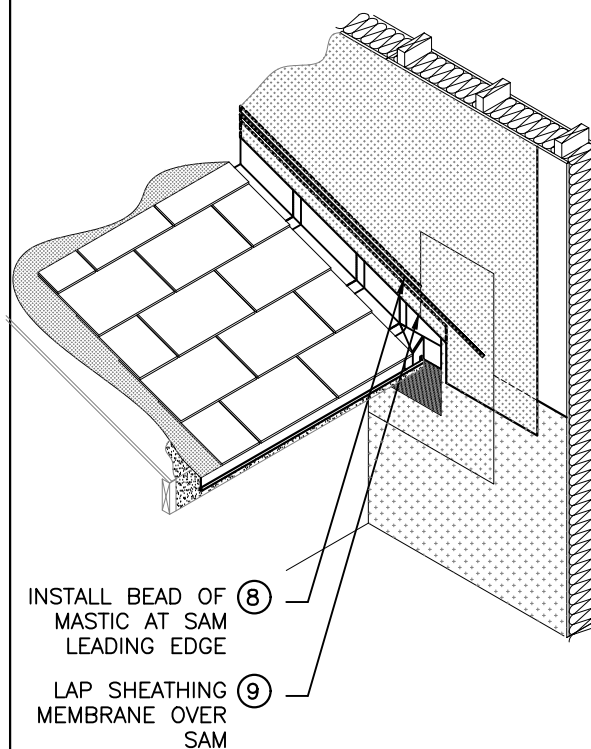
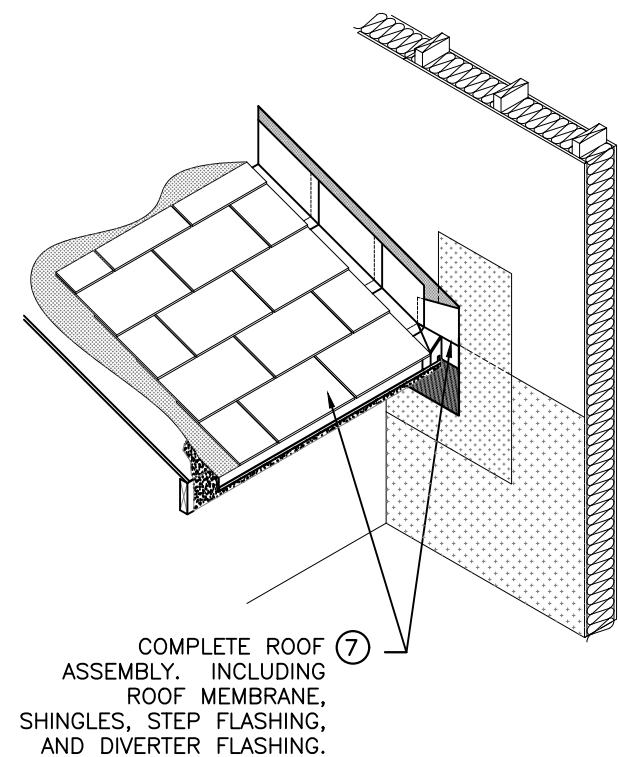
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A	ISSUED FOR REFERENCE	08/03/18



EAVE DIVERTER FLASHING

NOTE:
CLADDING NOT SHOWN FOR CLARITY.



- GENERAL NOTES:**
1. SHEET METAL 26 GA SHEET STEEL W/ GALVANIZED & PRE-FINISH COLOUR TO MATCH ROOFING MATERIAL.
 2. FORM USING BREAK SHAPES, STANDING SEAM, RIVETS & BUTYL SEALANT.
 3. CRITICAL DIMENSION: COUNTER SLOPE MUST CLEAR SIDING MATERIAL 2"



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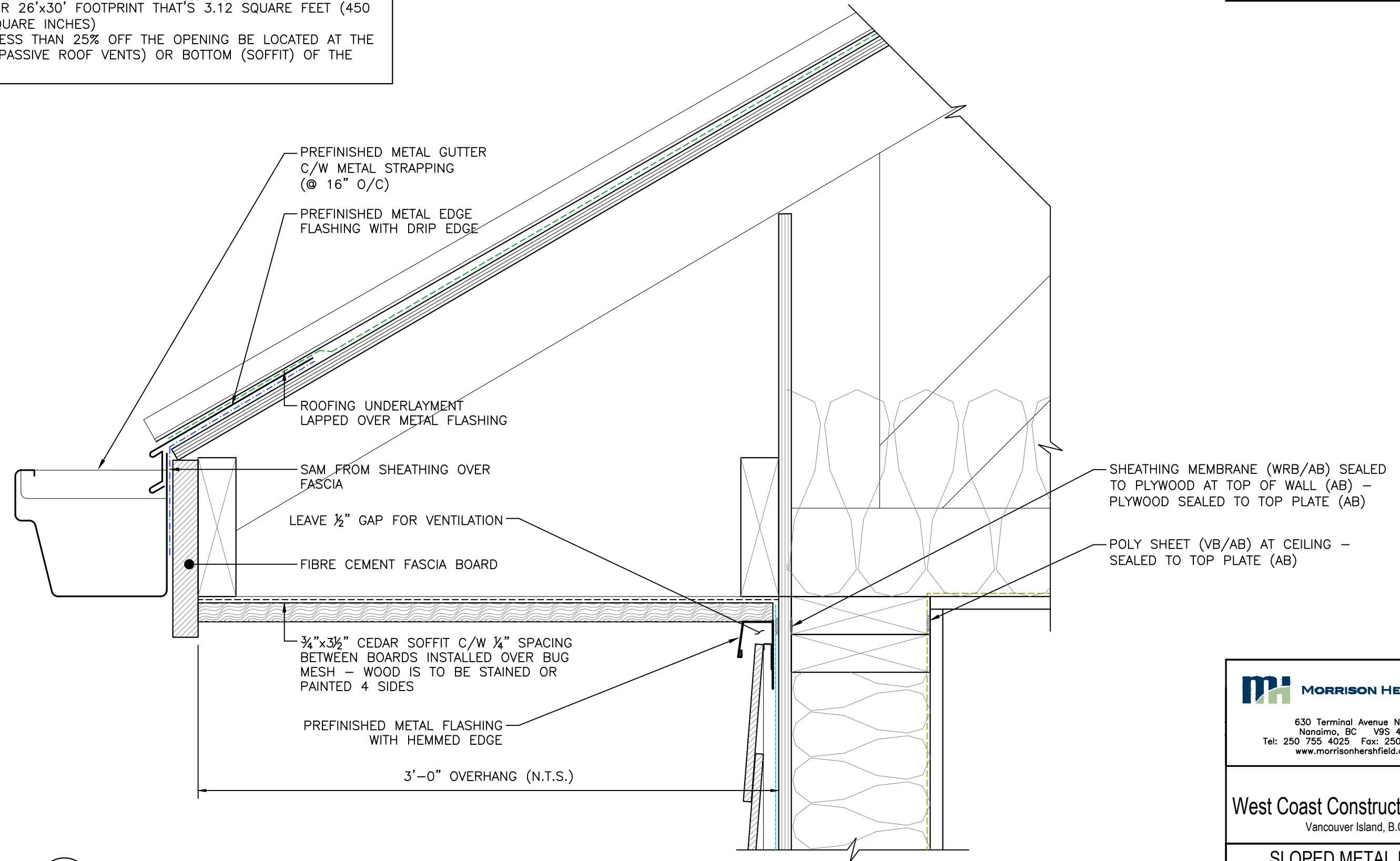
SLOPED ROOF TO WALL
INSTALLATION ISOMETRIC

DATE: DEC/2017	DRAWING No: A5.405
SCALE: N.T.S.	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

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BCBC VENTILATION REQUIREMENTS:
 1. TOTAL VENTILATION AREA TO BE $\frac{1}{300}$ PROJECTED FLOOR AREA
 1.1. FOR 26'x30' FOOTPRINT THAT'S 3.12 SQUARE FEET (450 SQUARE INCHES)
 2. NOT LESS THAN 25% OFF THE OPENING BE LOCATED AT THE TOP (PASSIVE ROOF VENTS) OR BOTTOM (SOFFIT) OF THE SPACE



1 TOP OF WALL AT SLOPED ROOF - SECTION DETAIL
 SCALE: 3"=1'-0"

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 Nanaimo, BC V9S 4K2
 Tel: 250 755 4025 Fax: 250 744 1441
 www.morrisonhershfield.com

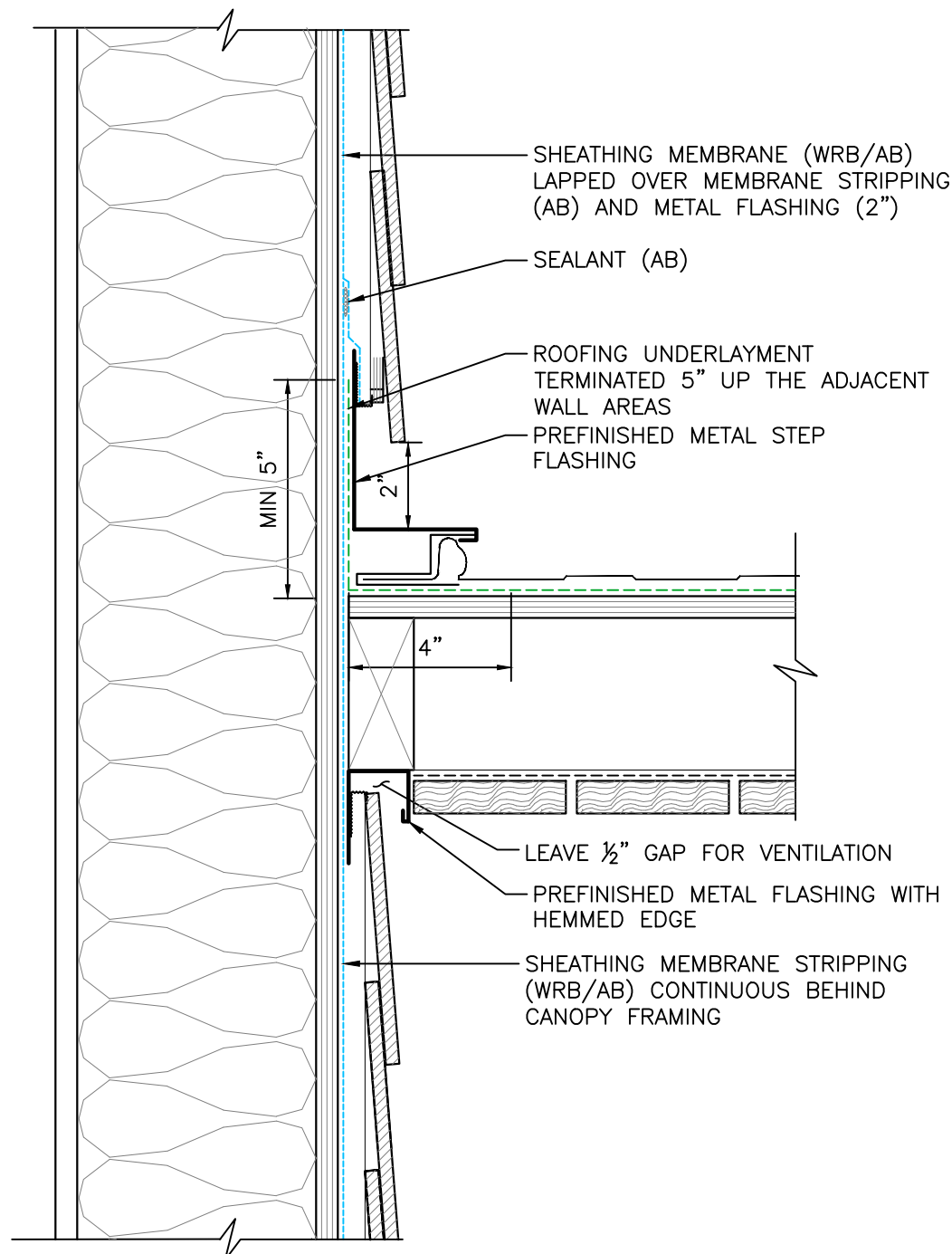
West Coast Construction Details
 Vancouver Island, B.C.

**SLOPED METAL ROOF
 EDGE DETAIL**

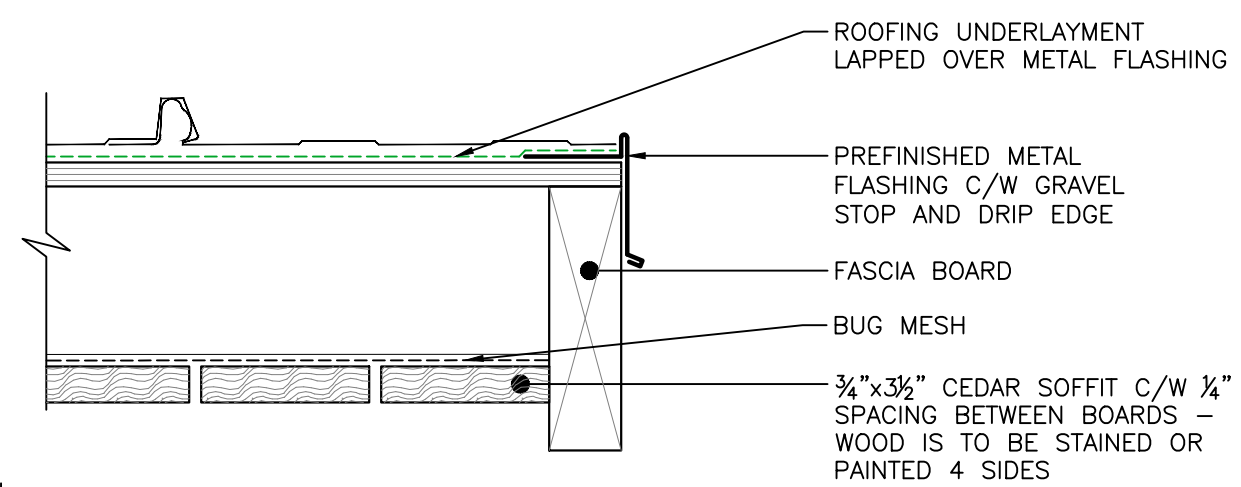
DATE: DEC/2017	DRAWING No: A5.411
SCALE: 3"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

Do not scale drawing. Dimensions to be verified on site. Drawing to be read in conjunction with written specification.

ISSUE	DESCRIPTION	DATE (DD/MM/YY)
A	ISSUED FOR REFERENCE	08/03/18



1 BASE OF WALL AT CANOPY - SECTION DETAIL
SCALE: 3"=1'-0"



2 CANOPY EDGE - SECTION DETAIL
SCALE: 3"=1'-0"

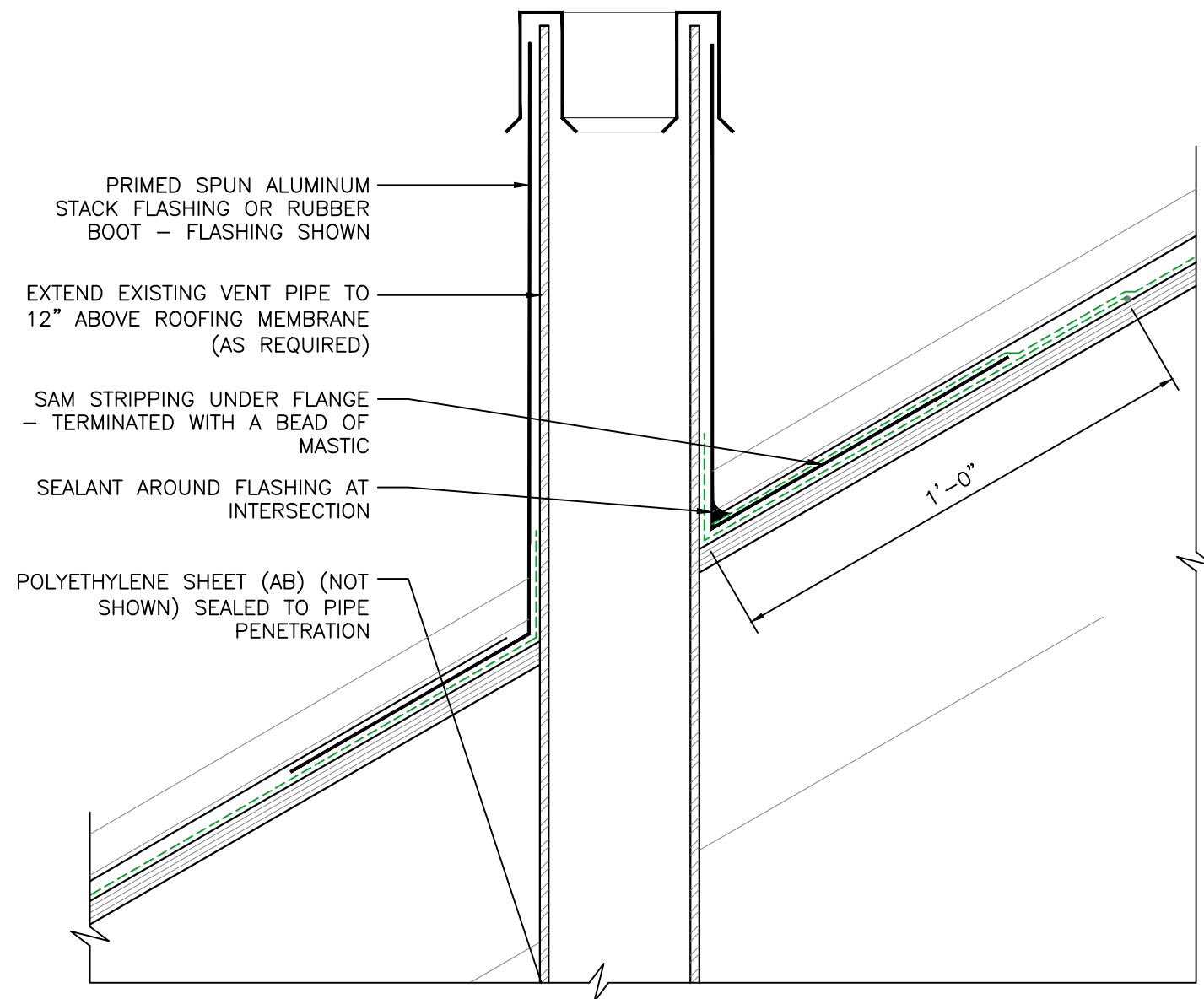
MH MORRISON HERSHFIELD
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METAL ROOF CANOPY DETAILS	
DATE: DEC/2017	DRAWING No: A5.412
SCALE: 3"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	

Do not scale drawing. Dimensions to be verified on site. Drawing to be read in conjunction with written specification.

ISSUE	DESCRIPTION	DATE (DD/MM/YY)
A	ISSUED FOR REFERENCE	08/03/18



NOTE:
EXHAUST VENT AND PASSIVE ROOF VENT ARE
DETAILED IN A SIMILAR MANNER TO THE
PLUMBING STACK

1 PLUMBING STACK - SECTION DETAIL
SCALE: 3"=1'-0"

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**METAL ROOF PLUMBING
STACK DETAIL**

DATE: DEC/2017	DRAWING No: A5.413
SCALE: 3"=1'-0"	
DESIGN: B2M/CEL	
DRAWN: B2M	PROJECT No: 5171292.00
REVIEWED: CEL	