

# LIST OF DRAWINGS

## LEGEND

### WINDOW DETAILS AT MASONRY CLADDING

VPS-001	WINDOW HEAD DETAIL	MASONRY CLADDING
VPS-002	WINDOW JAMB DETAIL	MASONRY CLADDING
VPS-003	WINDOW SILL DETAIL	MASONRY CLADDING
VPS-003 (3D-1)	WINDOW FLASHING SEQUENCE	SHEET-APPLIED FLASHING
VPS-003 (3D-2)	SHEET-APPLIED FLASHING PRESTRIP	

### BASE OF WALL DETAILS AT MASONRY CLADDING

VPS-004	BASE-OF-WALL DETAIL	MASONRY CLADDING
VPS-004 (3D-1)	BASE-OF-WALL FLASHING SEQ. (OPT. 1)	MASONRY CLADDING
VPS-004 (3D-2)	BASE-OF-WALL FLASHING SEQ. (OPT. 2)	MASONRY CLADDING
VPS-004 (ALT 1)	BASE-OF-WALL DETAIL (ALTERNATE 1)	MASONRY CLADDING
VPS-004 (ALT 2)	BASE-OF-WALL DETAIL (ALTERNATE 2)	MASONRY CLADDING

### LEDGER DETAILS AT MASONRY CLADDING

VPS-005	FLOOR LINE DETAIL	MASONRY CLADDING
VPS-005 (3D-1)	FLOOR LINE FLASHING SEQ. (OPT. 1)	MASONRY CLADDING
VPS-005 (3D-2)	FLOOR LINE FLASHING SEQ. (OPT. 2)	MASONRY CLADDING
VPS-006A	MASONRY ANCHOR DETAIL	CMU SUBSTRATE
VPS-006B	MASONRY ANCHOR DETAIL	FRAMED SUBSTRATE

### PARAPET DETAILS AT MASONRY CLADDING

VPS-007	PARAPET DETAIL	MASONRY CLADDING
---------	----------------	------------------

### EXPANSION AND CONTROL JOINT DETAILS

VPS-008	EXPANSION JOINT DETAIL
VPS-009	CONTROL JOINT DETAIL

### WINDOW DETAILS AT NON-MASONRY CLADDING

VPS-010	WINDOW HEAD DETAIL	NON-MASONRY CLADDING
VPS-011	WINDOW JAMB DETAIL	NON-MASONRY CLADDING
VPS-012	WINDOW SILL DETAIL	NON-MASONRY CLADDING

### NON-MASONRY CLADDING DETAILS

VPS-013	FLOOR LINE DETAIL	NON-MASONRY CLADDING
VPS-014	CONCRETE STEM WALL DETAIL	NON-MASONRY CLADDING
VPS-015	BASE-OF-WALL DETAIL AT GRADE	NON-MASONRY CLADDING
VPS-016	BASE-OF-WALL DETAIL	NON-MASONRY CLADDING
VPS-017	INSIDE CORNER DETAIL	NON-MASONRY CLADDING
VPS-017 (ALT)	INSIDE CORNER DETAIL (ALTERNATE)	NON-MASONRY CLADDING
VPS-018	OUTSIDE CORNER DETAIL	NON-MASONRY CLADDING
VPS-018 (ALT)	OUTSIDE CORNER DETAIL (ALTERNATE)	NON-MASONRY CLADDING
VPS-019	KNIFEPLATE PENETRATION DETAIL	NON-MASONRY CLADDING
VPS-020	PENETRATION DETAILS	NON-MASONRY CLADDING

### CURTAINWALL DETAILS AT NON-MASONRY CLADDING

VPS-021	CURTAINWALL HEAD DETAIL	NON-MASONRY CLADDING
VPS-022	CURTAINWALL JAMB DETAIL	NON-MASONRY CLADDING
VPS-023	CURTAINWALL SILL DETAIL	NON-MASONRY CLADDING

### DEFLECTION JOINT

VPS-024	DEFLECTION JOINT	NON-MASONRY CLADDING
---------	------------------	----------------------

### NOTE

- DETAILS APPLY TO PERM-A-BARRIER® VPS AND PERM-A-BARRIER® VPS 30 DETAILS

### GENERAL NOTES

- Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
- Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
- GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## LIST OF DRAWINGS

PERM-A-BARRIER® VPS

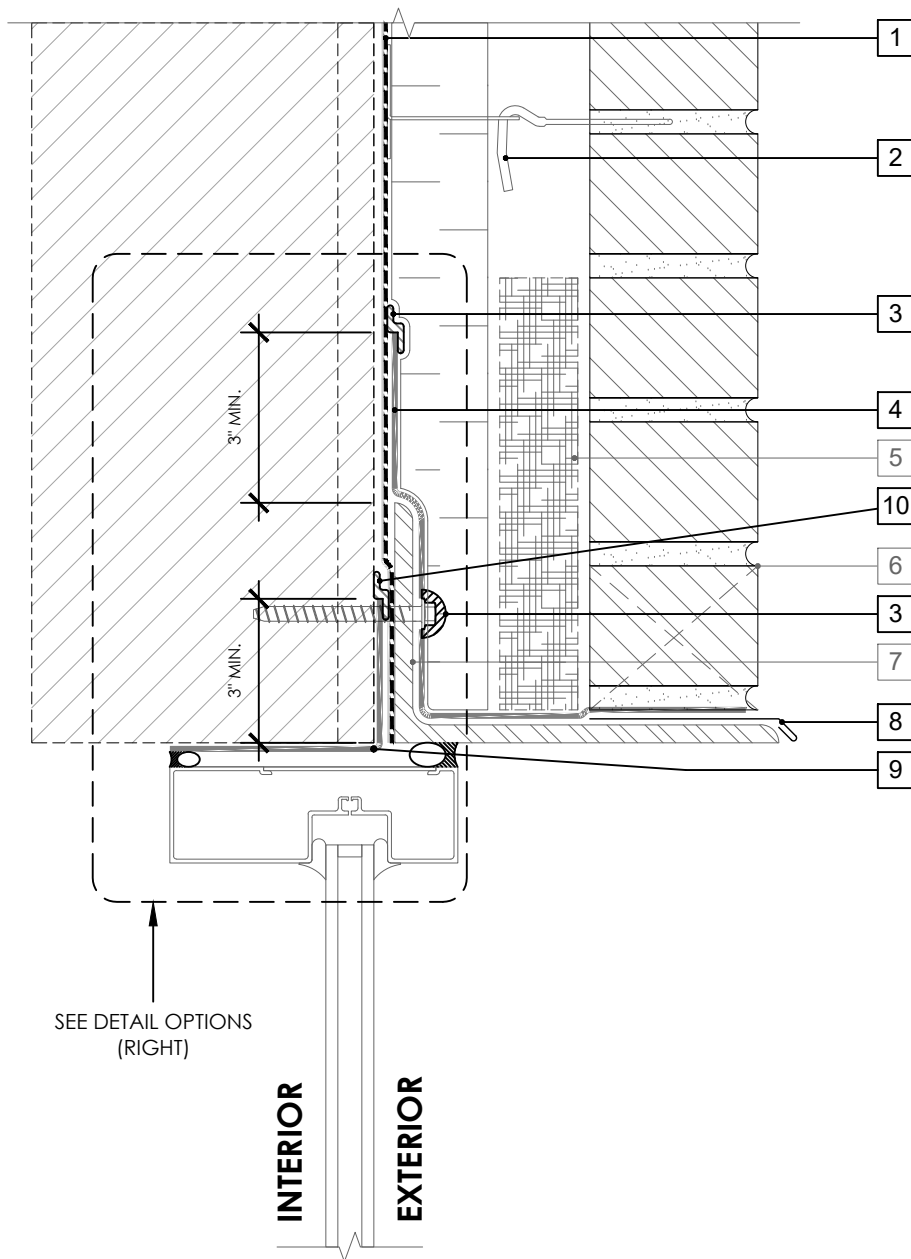
DRAWING: VPS-000

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

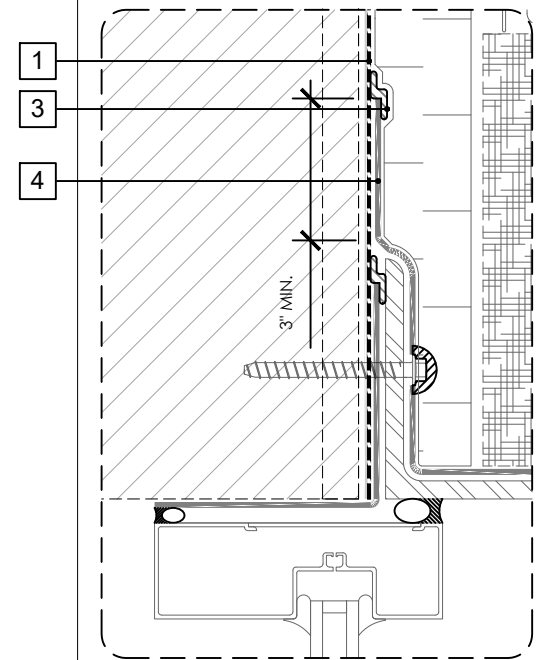
## OPTION 1



## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)
3. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT
4. PERM-A-BARRIER® WALL FLASHING (STAR CUT AT BOLT), PRIME SUBSTRATE WHERE REQUIRED
5. MORTAR COLLECTION MESH
6. MASONRY WEEP/VENT
7. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
8. SHEET METAL FLASHING PER ARCH
9. PERM-A-BARRIER® SELF-ADHERED FLASHING\*
10. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT

## OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### WINDOW HEAD DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS

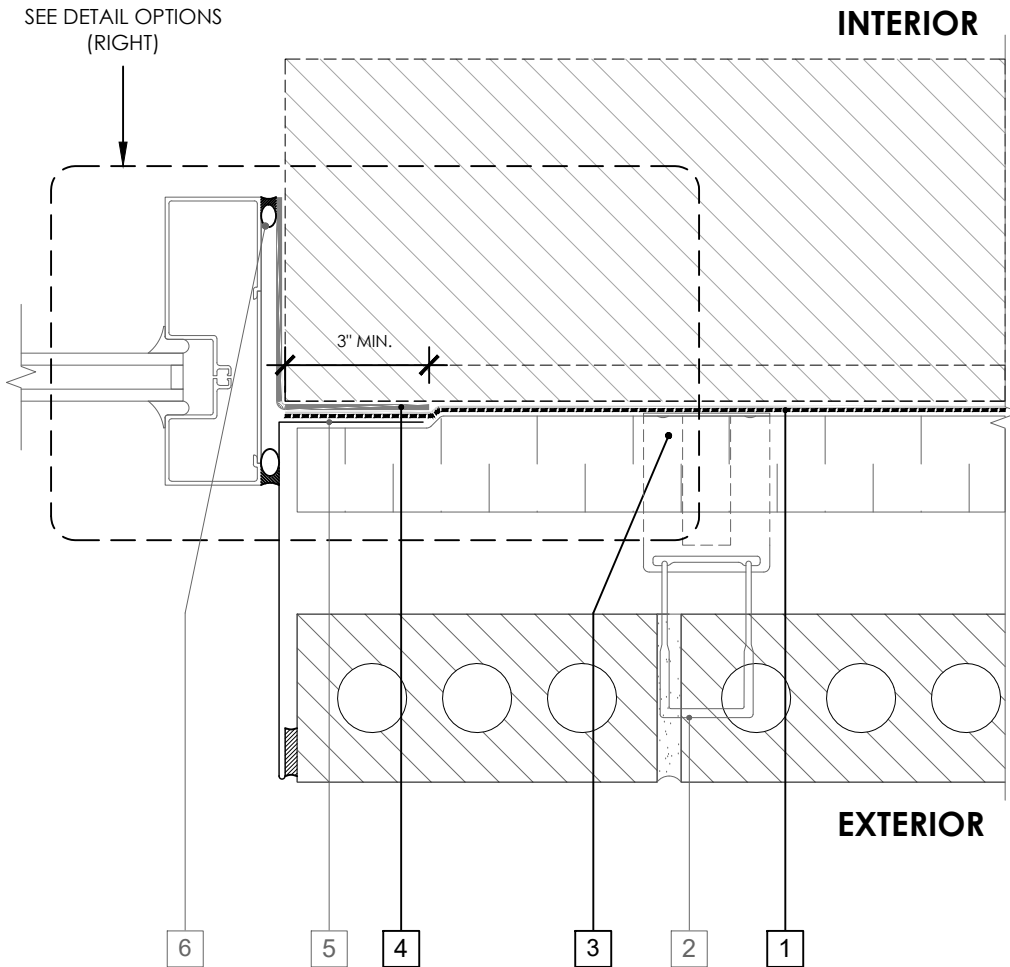
DRAWING: VPS-001

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

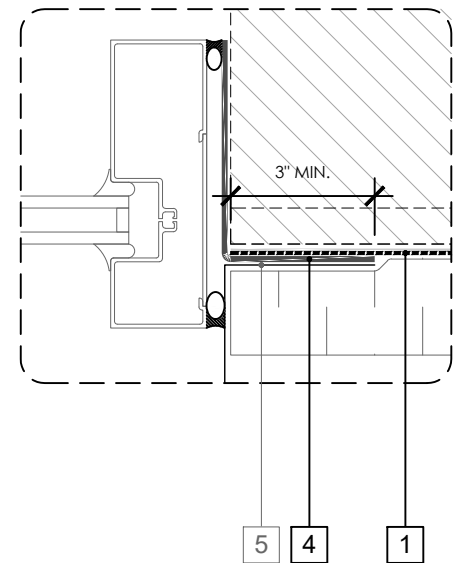
## OPTION 1



## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)
3. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT
4. PERM-A-BARRIER® SELF-ADHERED FLASHING\*
5. SHEET METAL FLASHING PER ARCH
6. INTERIOR AIR SEALANT OVER BACKER ROD

## OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## WINDOW JAMB DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS

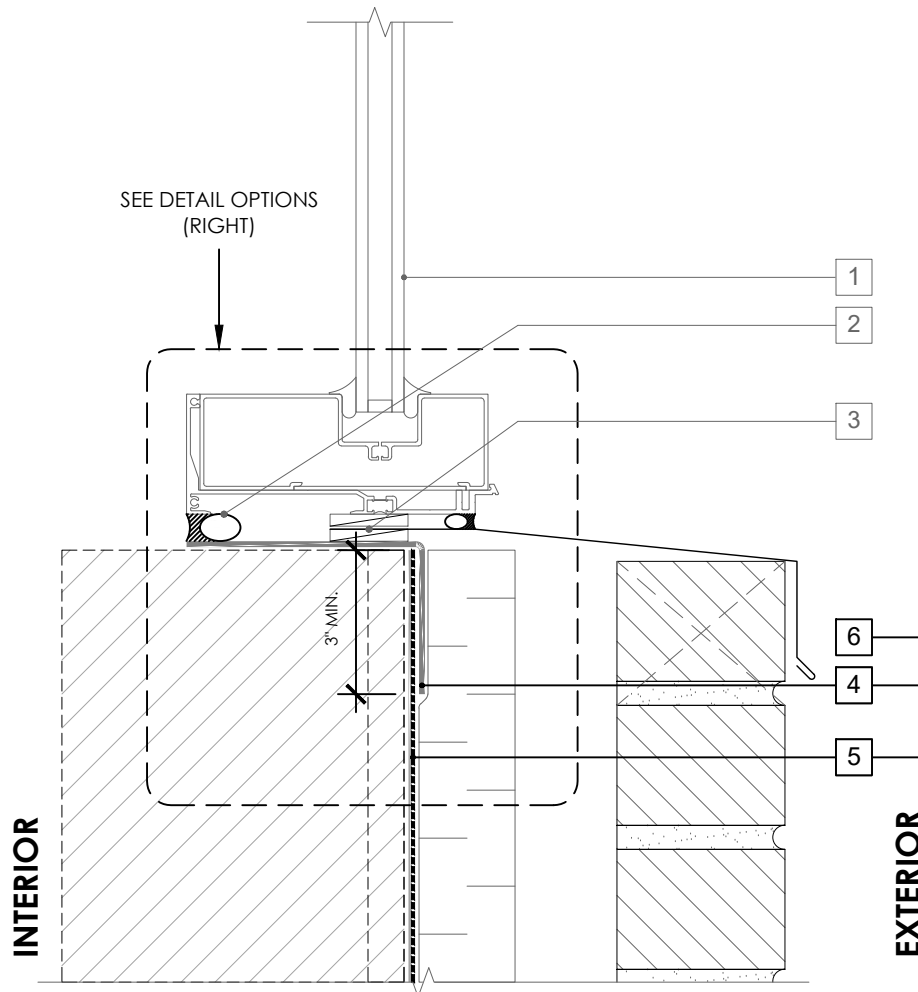
DRAWING: VPS-002

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

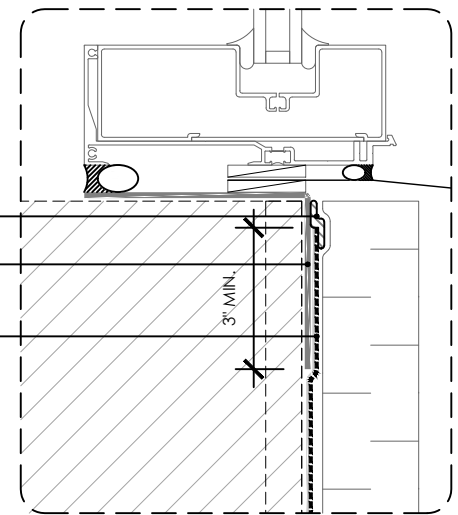
## OPTION 1



## LEGEND

1. NON-FLANGED WINDOW SYSTEM
2. INTERIOR AIR SEALANT OVER BACKER ROD
3. SHEET METAL FLASHING SANDWICHED BETWEEN 1/4" SHIMS BY OTHERS
4. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***
5. **PERM-A-BARRIER® VPS MEMBRANE**
6. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT**

## OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### WINDOW SILL DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS

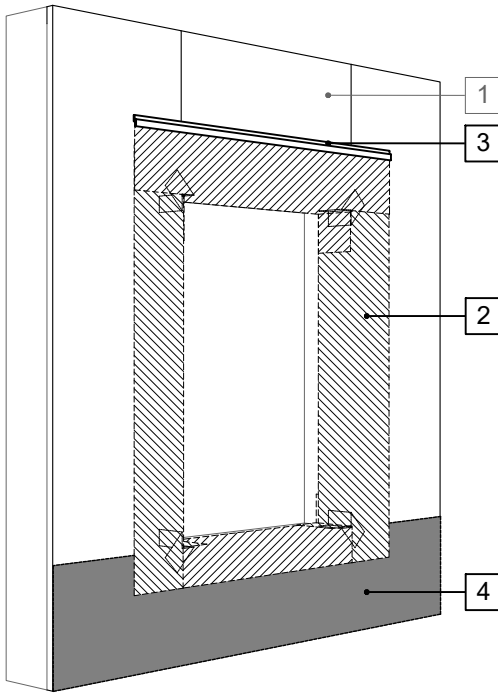
DRAWING: VPS-003

SCALE: 3" = 1'

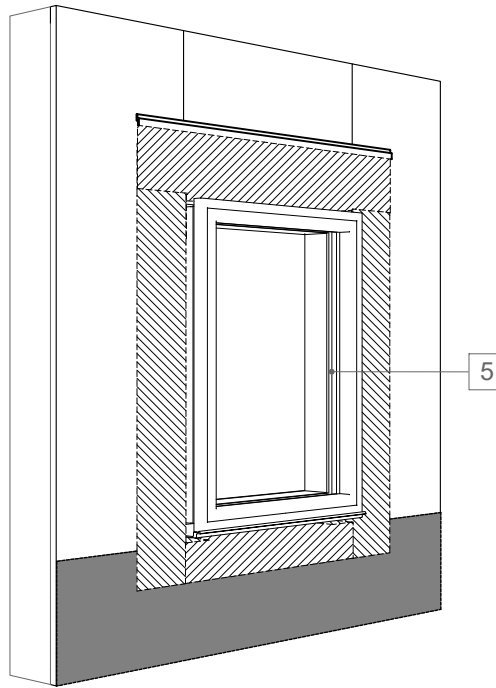
EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

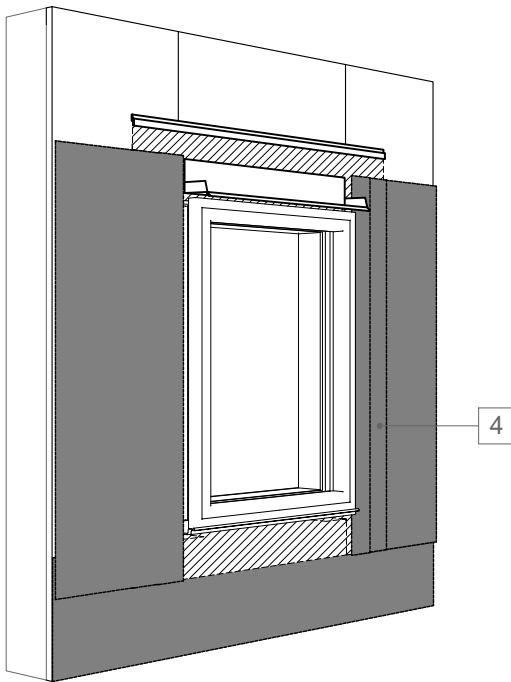
### STEP 1



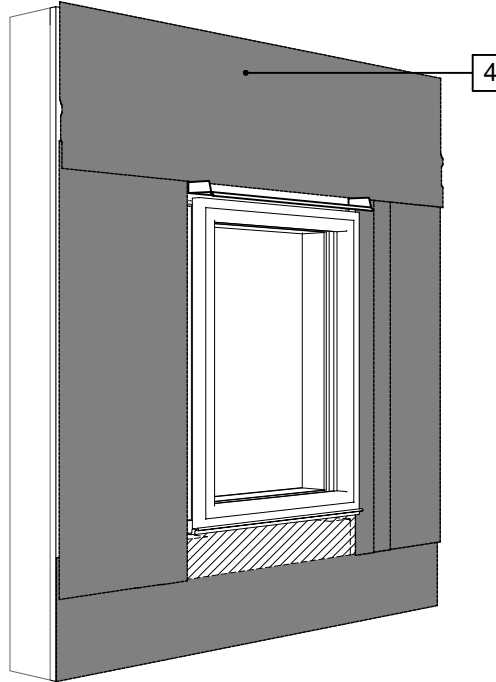
### STEP 2



### STEP 3



### STEP 4



### LEGEND

1. SHEATHING SUBSTRATE
2. PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED; SEE VPS-003 (3D-2)
3. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH TROWELED BEAD
4. PERM-A-BARRIER® VPS MEMBRANE
5. WINDOW PER ARCH

### NOTE

- CONTINUOUS AIR AND WATER SEAL AT PERIMETER OF FENESTRATION, FENESTRATION ATTACHMENT, AND DRAINAGE OF ROUGH OPENING TO BE PER PROJECT SPECIFIC REQUIREMENTS
- SEAL ALL NON-WATER SHEDDING EDGES WITH ACCEPTABLE SEALANT
- OPTIONAL - WINDOW FLASHING SEQUENCE CAN BE COMPLETED AFTER FIELD APPLICATION OF PERM-A-BARRIER® VPS

### GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable self-adhered flashing products.



### WINDOW FLASHING SEQUENCE - SHEET APPLIED FLASHING

PERM-A-BARRIER® VPS

DRAWING: VPS-003 (3D-1)

SCALE: 3" = 1'

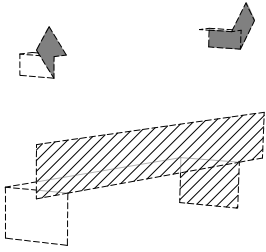
EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

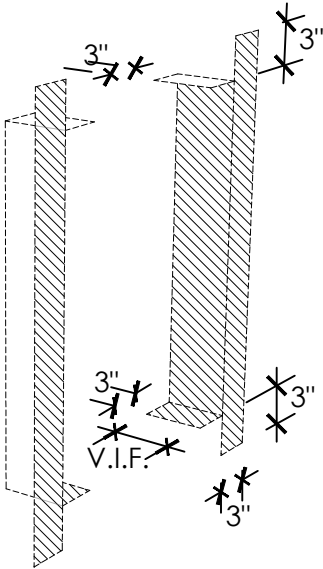
# WINDOW PRESTRIP VARIATIONS

## A. WITHOUT BACK DAM ANGLE

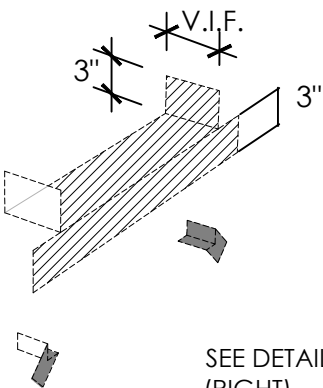
**STEP 3**



**STEP 2**



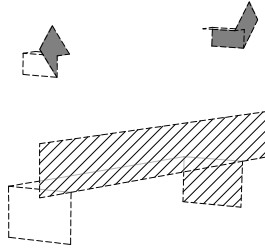
**STEP 1**



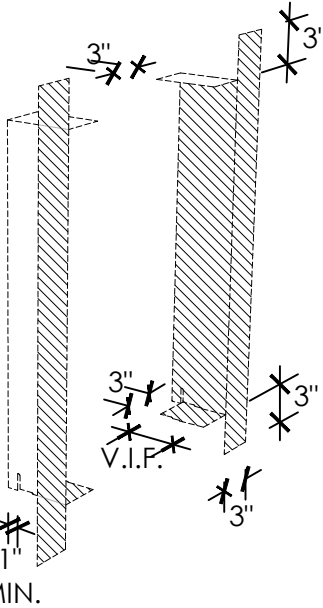
SEE DETAIL A (RIGHT)

## B. WITH BACK DAM ANGLE

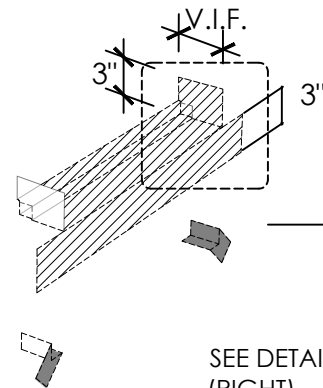
**STEP 3**



**STEP 2**



**STEP 1**

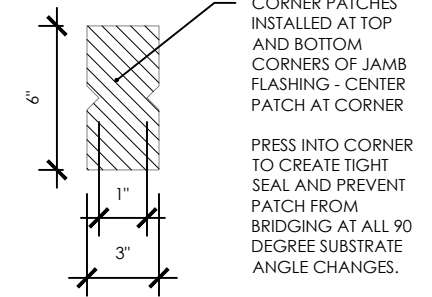


SEE DETAIL B (RIGHT)

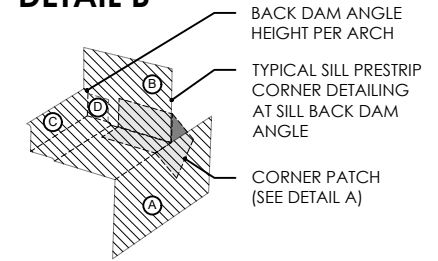
## LEGEND

- WINDOW PRESTRIP PERM-A-BARRIER®
- DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING
- PRIME SUBSTRATE WHERE REQUIRED

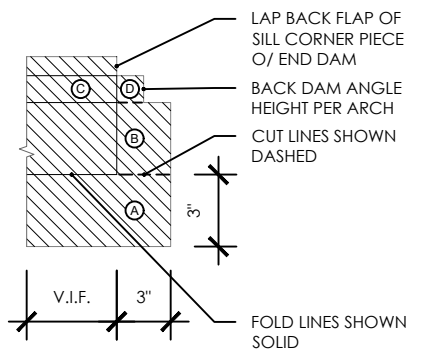
### DETAIL A



### DETAIL B



### FOLDING TEMPLATE



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in **GRAY FONT**. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.

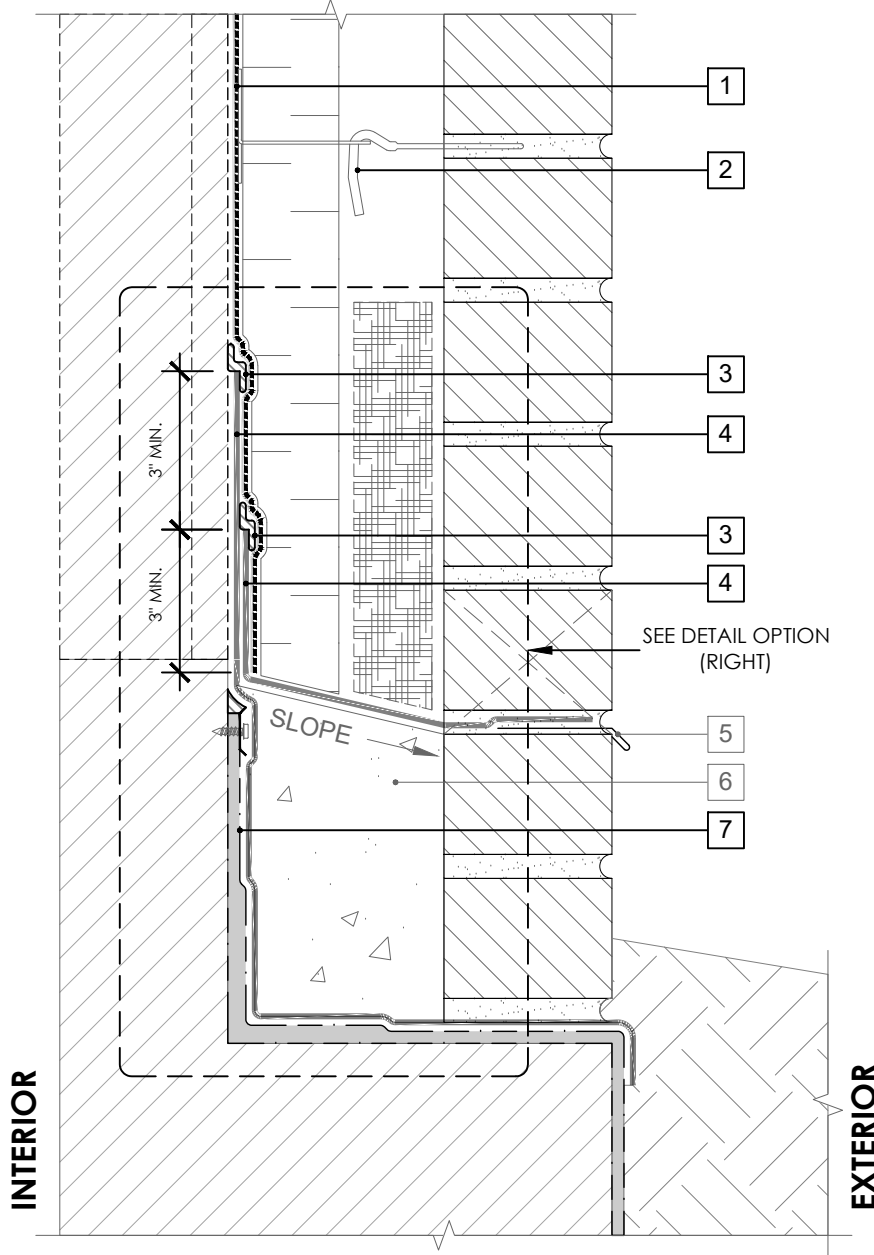


## SHEET-APPLIED FLASHING PRESTRIP

PERM-A-BARRIER® VPS

DRAWING:	VPS-003 (3D-2)
SCALE:	3" = 1'
EFFECTIVE DATE:	2020.05.21
SUPERCEDES:	NEW

## OPTION 1

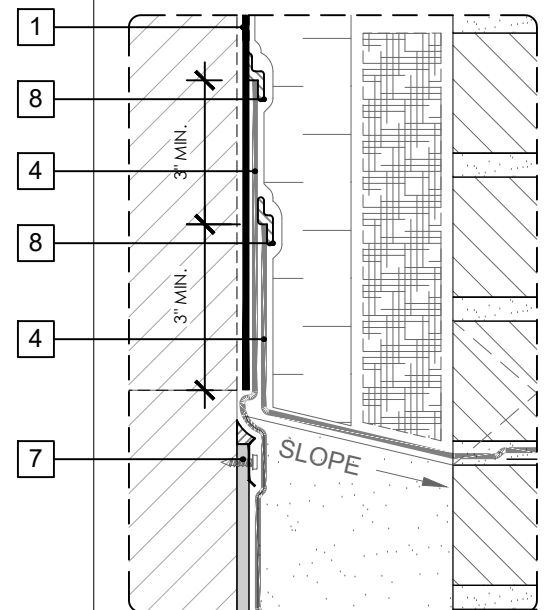


SEE VPS-004 (3D-1) FOR 3D DETAIL

## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)
3. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD
4. PERM-A-BARRIER® WALL FLASHING
5. SHEET METAL FLASHING PER ARCH
6. GROUT SOLID TO HEIGHT OF CURB - SLOPE TOP
7. BELOW GRADE WATERPROOFING SYSTEM - SEE GCPAT.COM
8. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT

## OPTION 2



SEE VPS-004 (3D-2) FOR 3D DETAIL

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### BASE OF WALL DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-004

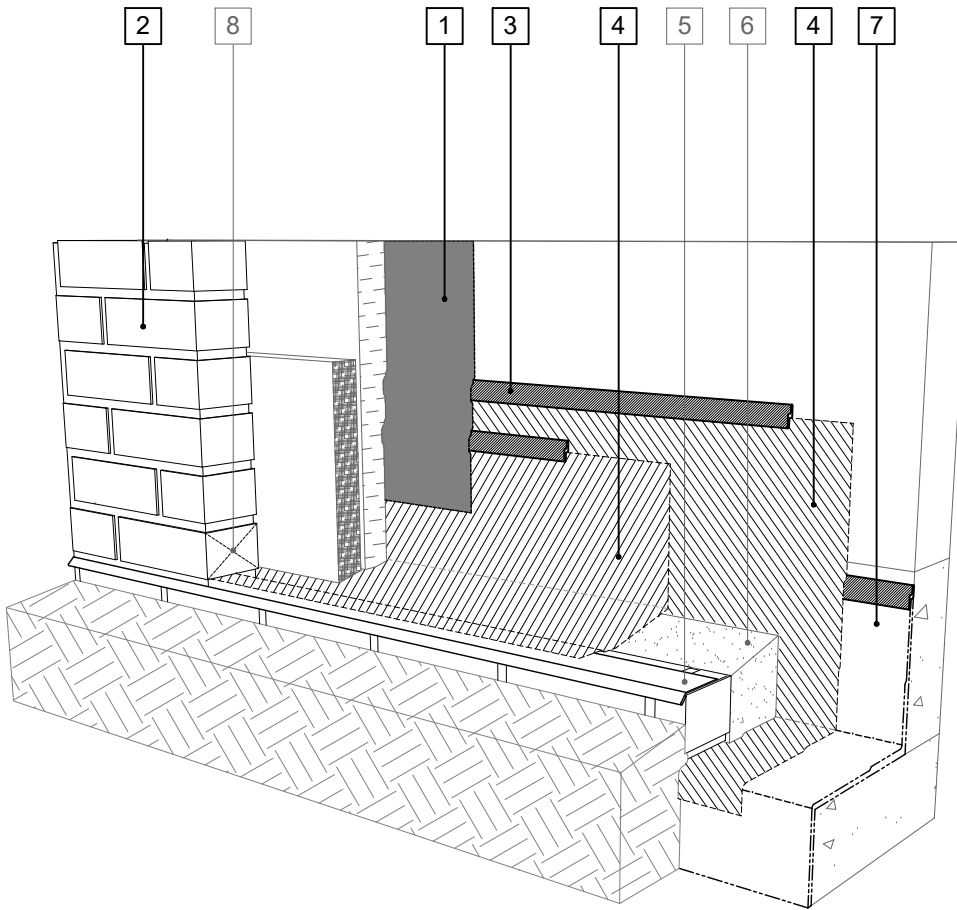
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. **MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)**
3. **BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD**
4. **PERM-A-BARRIER® WALL FLASHING**
5. SHEET METAL FLASHING PER ARCH
6. GROUT SOLID TO HEIGHT OF CURB - SLOPE TOP
7. **BELOW GRADE WATERPROOFING SYSTEM - SEE GCPAT.COM**
8. MASONRY WEEP/VENT



SEE VPS-004 (OPTION 1) FOR 2D DETAIL

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### BASE OF WALL FLASHING SEQUENCE (OPTION 1) - MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-004 (3D-1)

SCALE: 3" = 1'

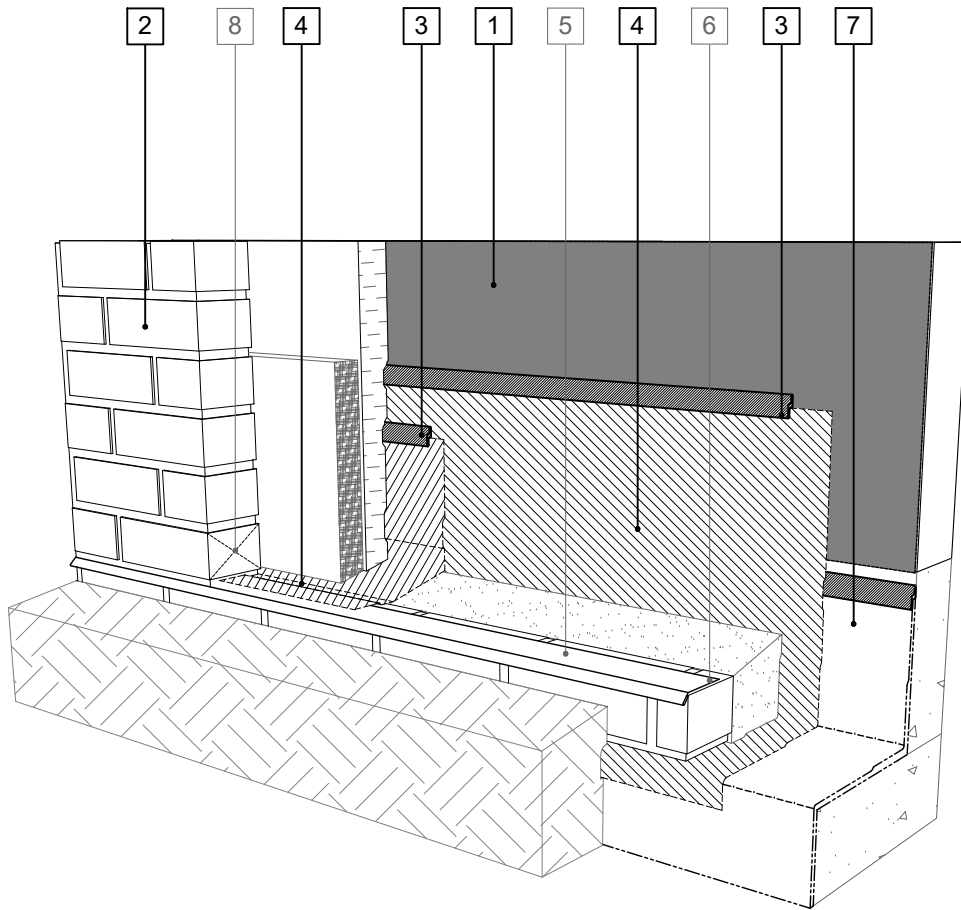
EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW



## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. **MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)**
3. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD**
4. **PERM-A-BARRIER® WALL FLASHING**
5. SHEET METAL FLASHING PER ARCH
6. GROUT SOLID TO HEIGHT OF CURB - SLOPE TOP
7. **BELOW GRADE WATERPROOFING SYSTEM - SEE GCPAT.COM**
8. MASONRY WEEP/VENT



SEE VPS-004 (OPTION 2) FOR 2D DETAIL

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### BASE OF WALL FLASHING SEQUENCE (OPTION 2) - MASONRY CLADDING

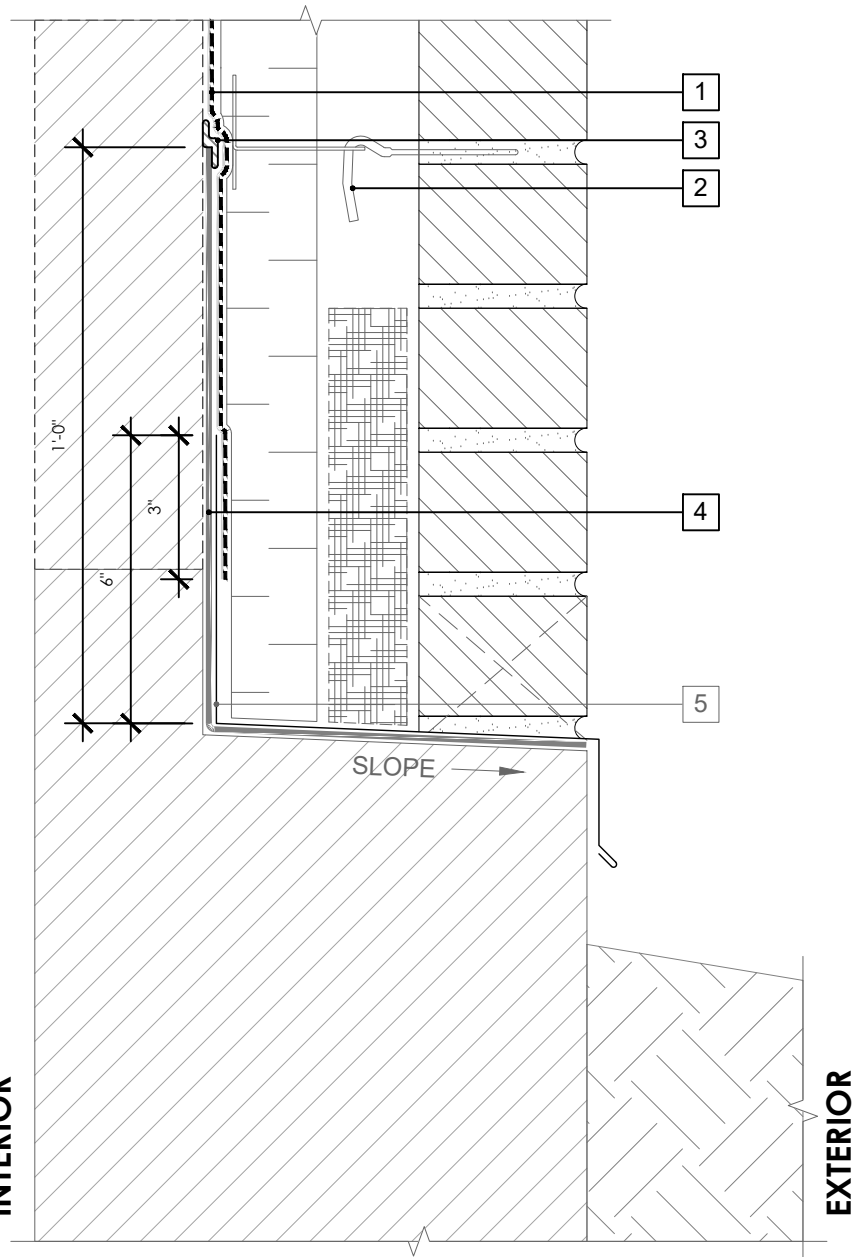
PERM-A-BARRIER® VPS

DRAWING: VPS-004 (3D-2)

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW




- LEGEND**
1. PERM-A-BARRIER® VPS MEMBRANE
  2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)
  3. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD
  4. PERM-A-BARRIER® WALL FLASHING
  5. SHEET METAL FLASHING PER ARCH

**GENERAL NOTES**

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.

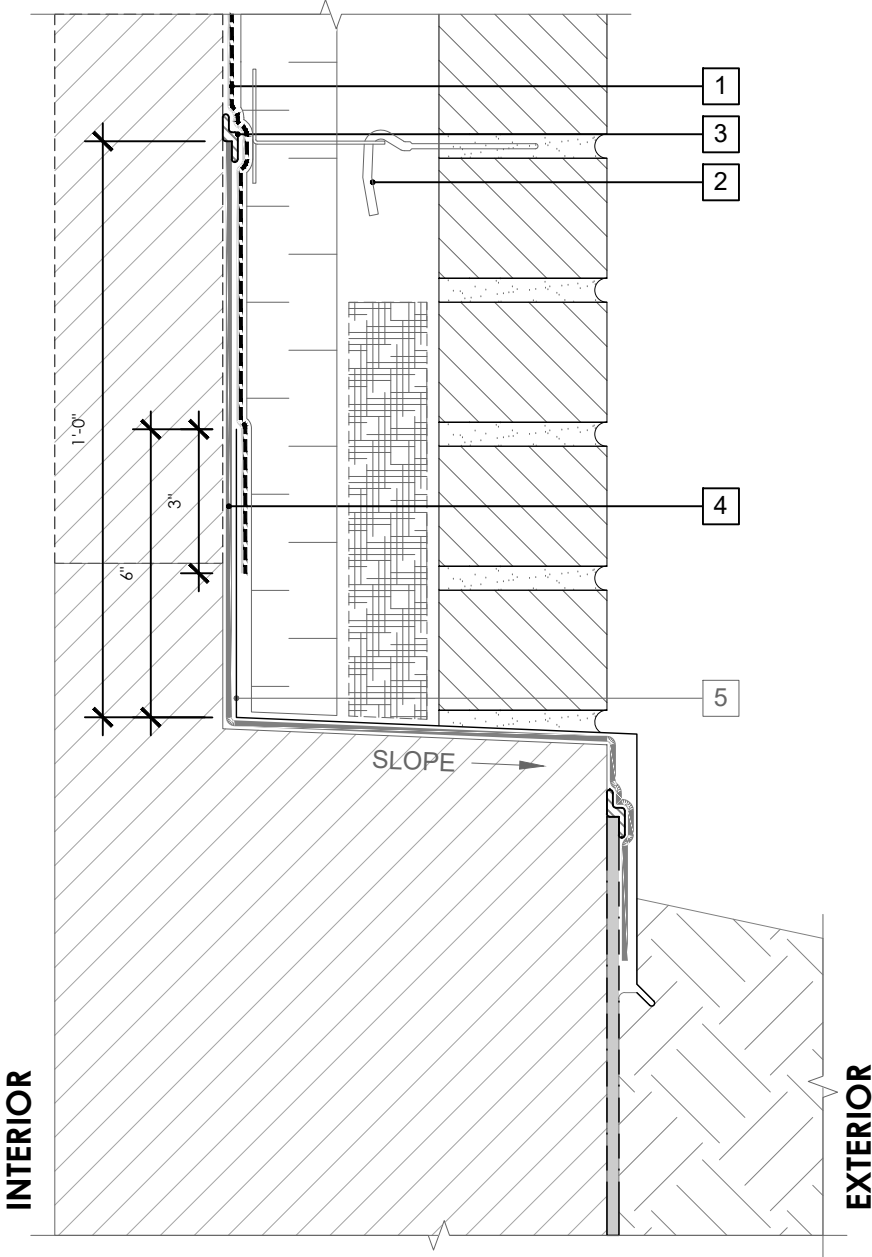
	<b>BASE OF WALL DETAIL (ALTERNATE 1) - MASONRY CLADDING</b>	DRAWING: VPS-004 (ALT 1)
	<b>PERM-A-BARRIER® VPS</b>	SCALE: 3" = 1'
		EFFECTIVE DATE: 2020.05.21
		SUPERCEDES: NEW

**LEGEND**

- 1. PERM-A-BARRIER® VPS MEMBRANE
- 2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)
- 3. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD
- 4. PERM-A-BARRIER® WALL FLASHING
- 5. SHEET METAL FLASHING PER ARCH

**NOTE**

- CONSULT GCP FOR BELOW GRADE WATERPROOFING COMPATIBILITY AND CONNECTION



**GENERAL NOTES**

- 1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
- 2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
- 3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.

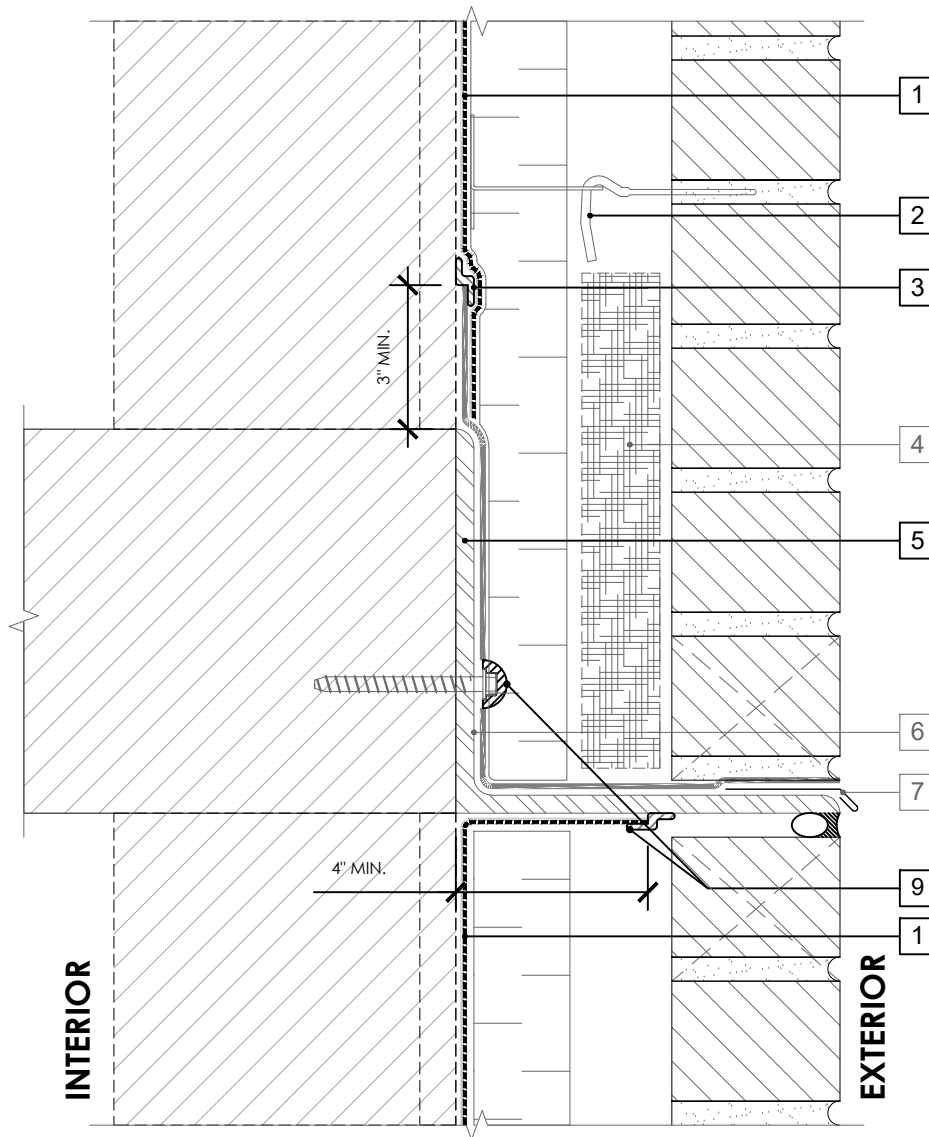


**BASE OF WALL DETAIL (ALTERNATE 2) -  
MASONRY CLADDING**

PERM-A-BARRIER® VPS

DRAWING:	VPS-004 (ALT 2)
SCALE:	3" = 1'
EFFECTIVE DATE:	2020.05.21
SUPERCEDES:	NEW

## OPTION 1

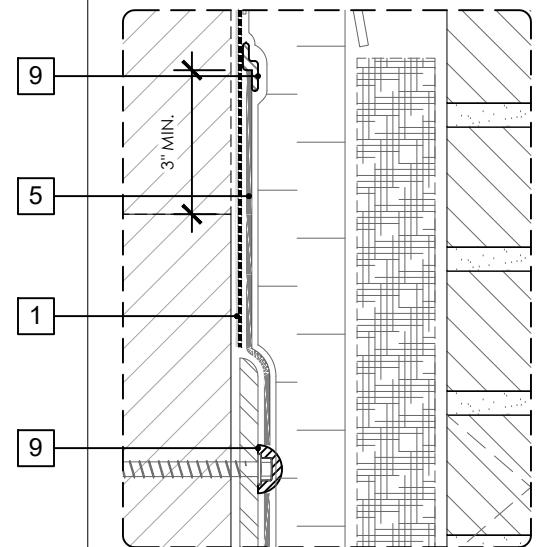


SEE VPS-005 (3D-1) FOR 3D DETAIL

## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)
3. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD
4. MORTAR COLLECTION MESH
5. PERM-A-BARRIER® WALL FLASHING (STAR CUT AT BOLT), PRIME SUBSTRATE WHERE REQUIRED
6. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
7. SHEET METAL FLASHING PER ARCH
8. GASKETED WASHER
9. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT

## OPTION 2



SEE VPS-005 (3D-2) FOR 3D DETAIL

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## FLOOR LINE DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-005

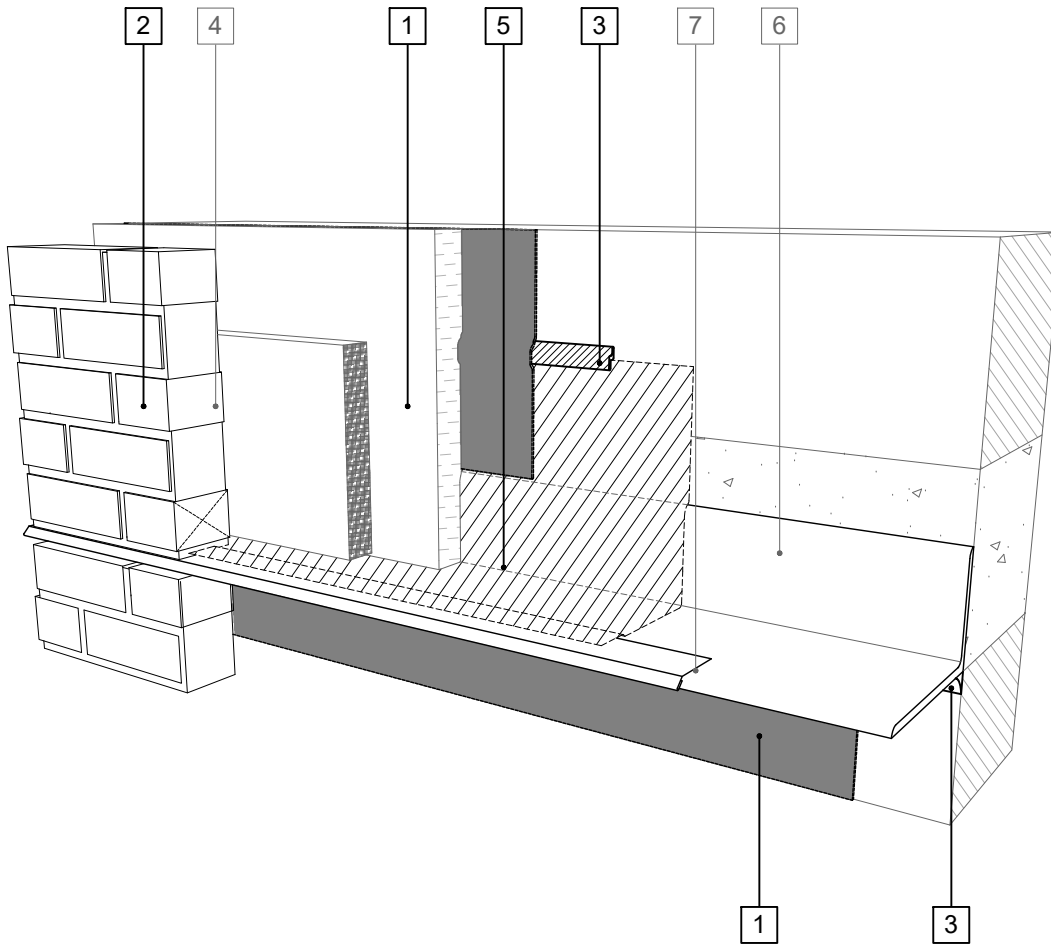
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. **MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)**
3. **BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD**
4. MORTAR COLLECTION MESH
5. **PERM-A-BARRIER® WALL FLASHING, PRIME SUBSTRATE WHERE REQUIRED**
6. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
7. SHEET METAL FLASHING PER ARCH



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### FLOOR LINE FLASHING SEQUENCE (OPT. 1) - MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-005 (3D-1)

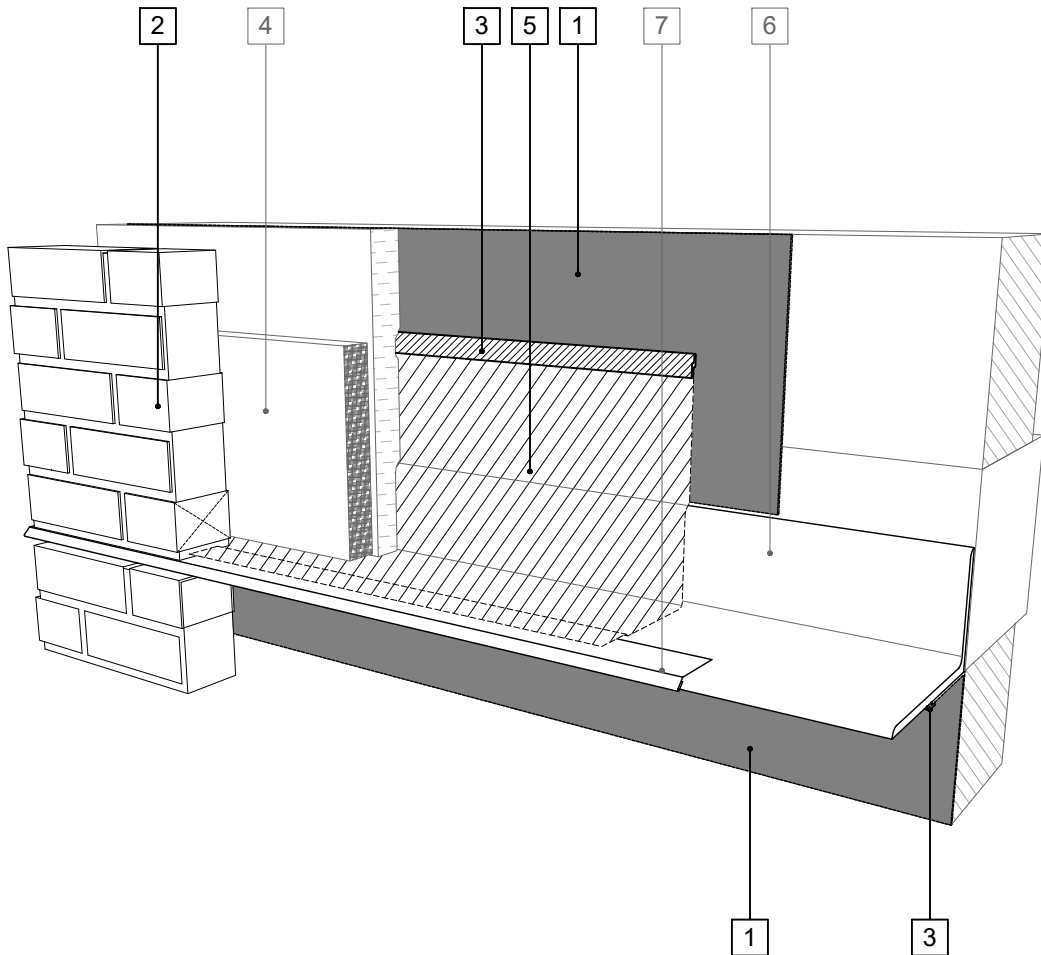
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. **MASONRY ANCHOR DETAILING (SEE DRAWING VPS-006)**
3. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROWELED BEAD**
4. MORTAR COLLECTION MESH
5. **PERM-A-BARRIER® WALL FLASHING, PRIME SUBSTRATE WHERE REQUIRED**
6. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
7. SHEET METAL FLASHING PER ARCH



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### FLOOR LINE FLASHING SEQUENCE (OPT. 2) - MASONRY CLADDING

PERM-A-BARRIER® VPS

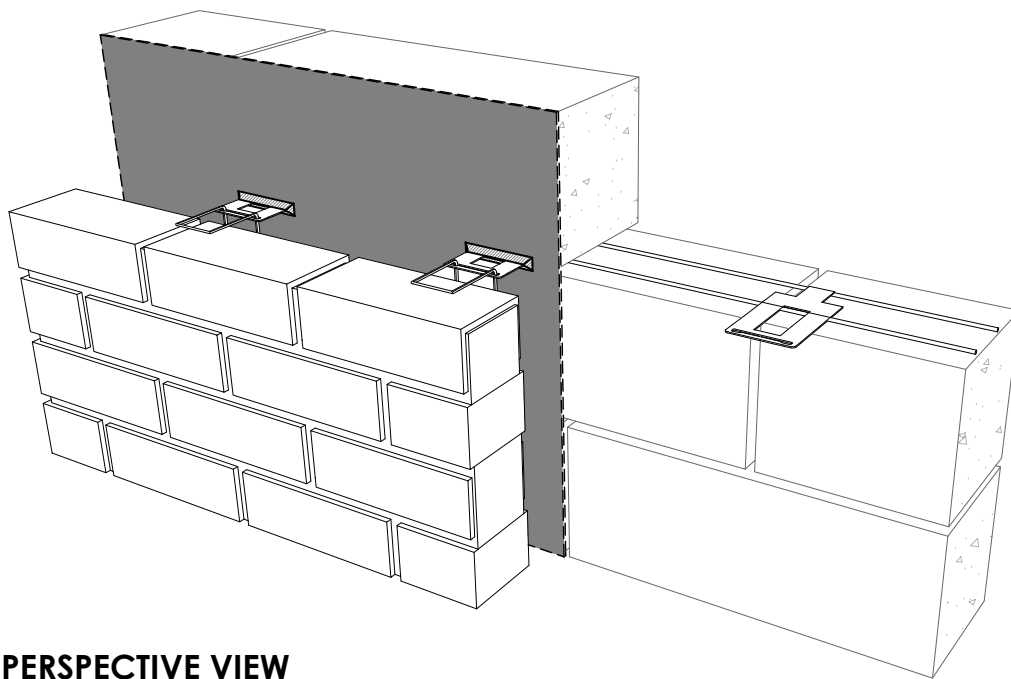
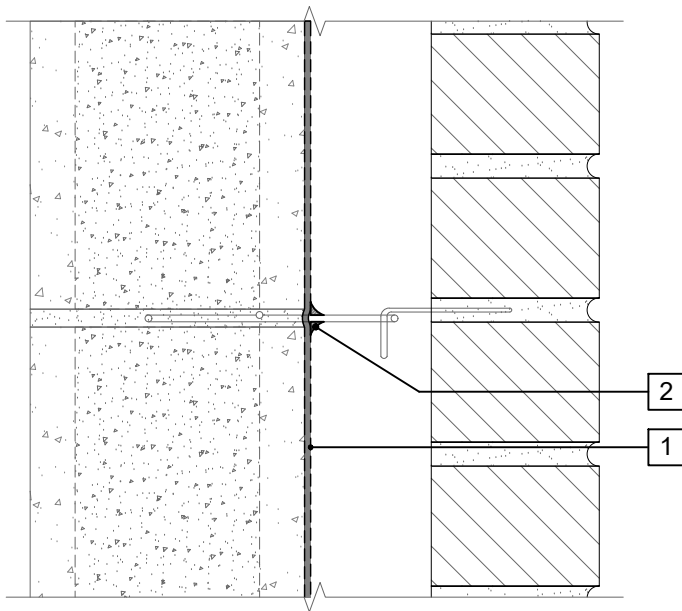
DRAWING: VPS-005 (3D-2)

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

## SECTION VIEW



## PERSPECTIVE VIEW

## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT FILLET SURROUNDING WIRE TIE PENETRATION

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### MASONRY ANCHOR DETAIL - CMU SUBSTRATE

PERM-A-BARRIER® VPS

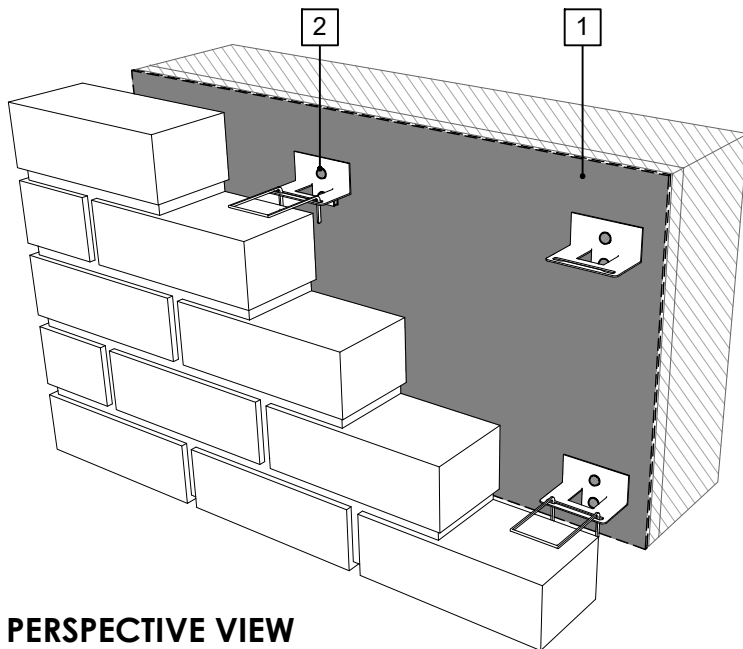
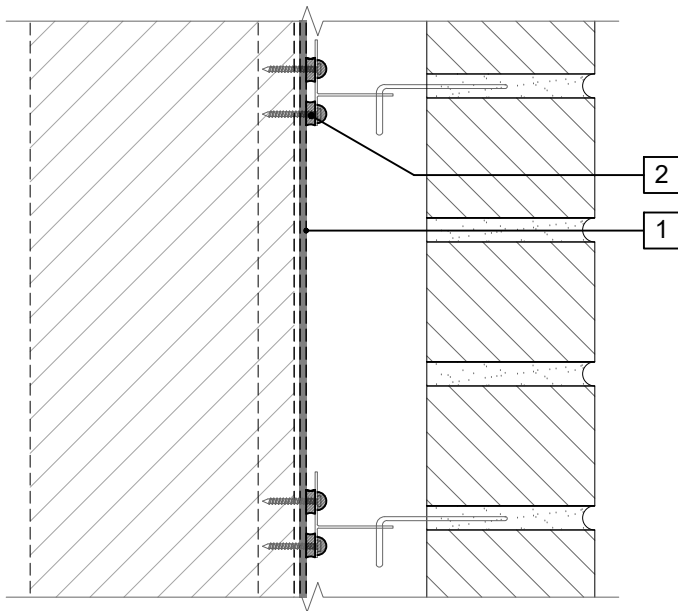
DRAWING: VPS-006A

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

## SECTION VIEW



## PERSPECTIVE VIEW

## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT AROUND FASTENER AT FRONT AND BACK FACE OF MASONRY ANCHOR

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### MASONRY ANCHOR DETAIL - FRAMED SUBSTRATE

PERM-A-BARRIER® VPS

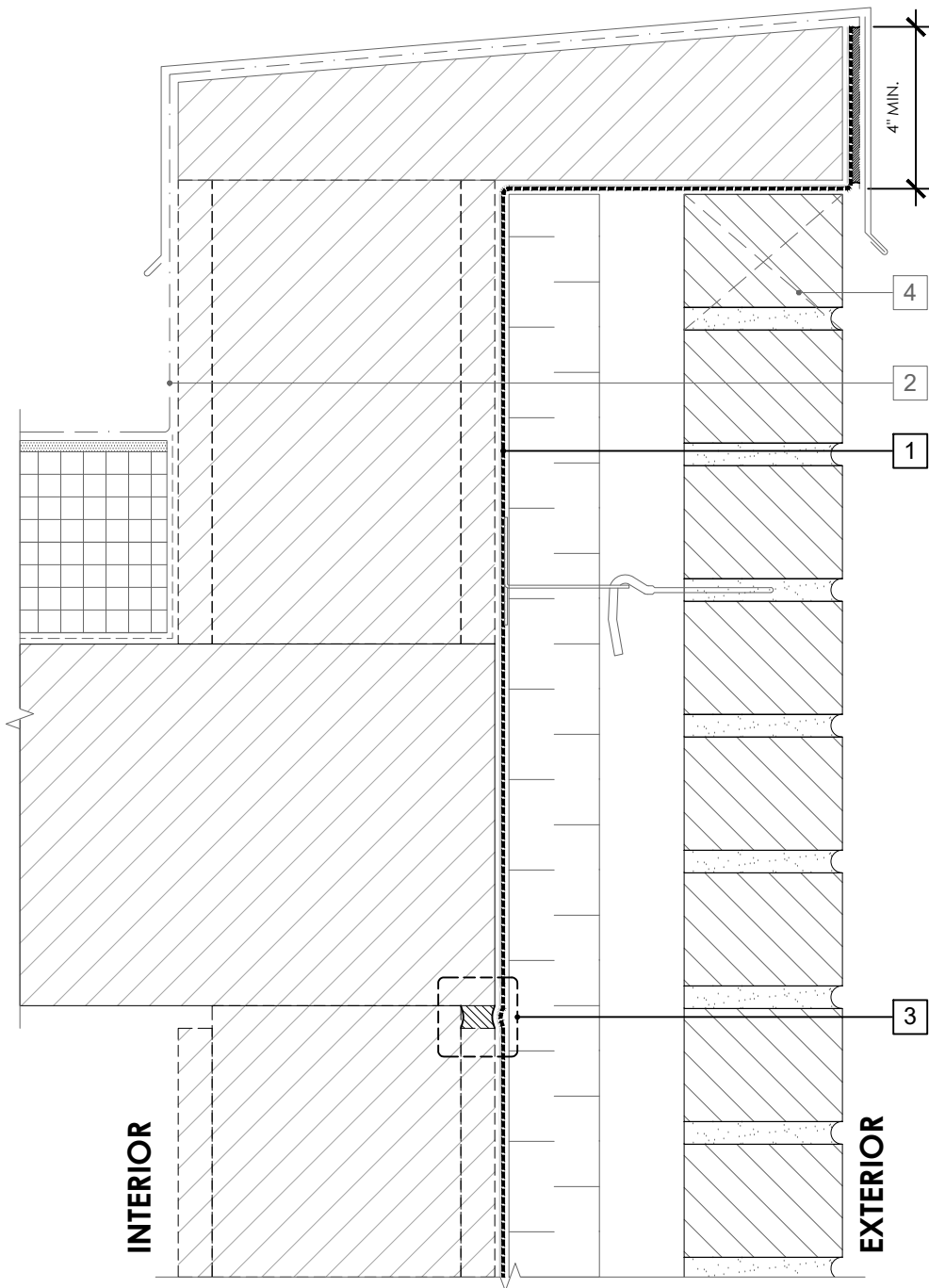
DRAWING: VPS-006B

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW





## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. ROOF MEMBRANE AND ROOF DETAILS
3. SEE CONTROL JOINT DETAIL VPS-009
4. MASONRY WEEP/VENT

## NOTE

- CONSULT GCP & ROOFING MANUFACTURER FOR COMPATIBILITY AND CONNECTION AT ROOF INTERFACE

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## PARAPET DETAIL - MASONRY CLADDING

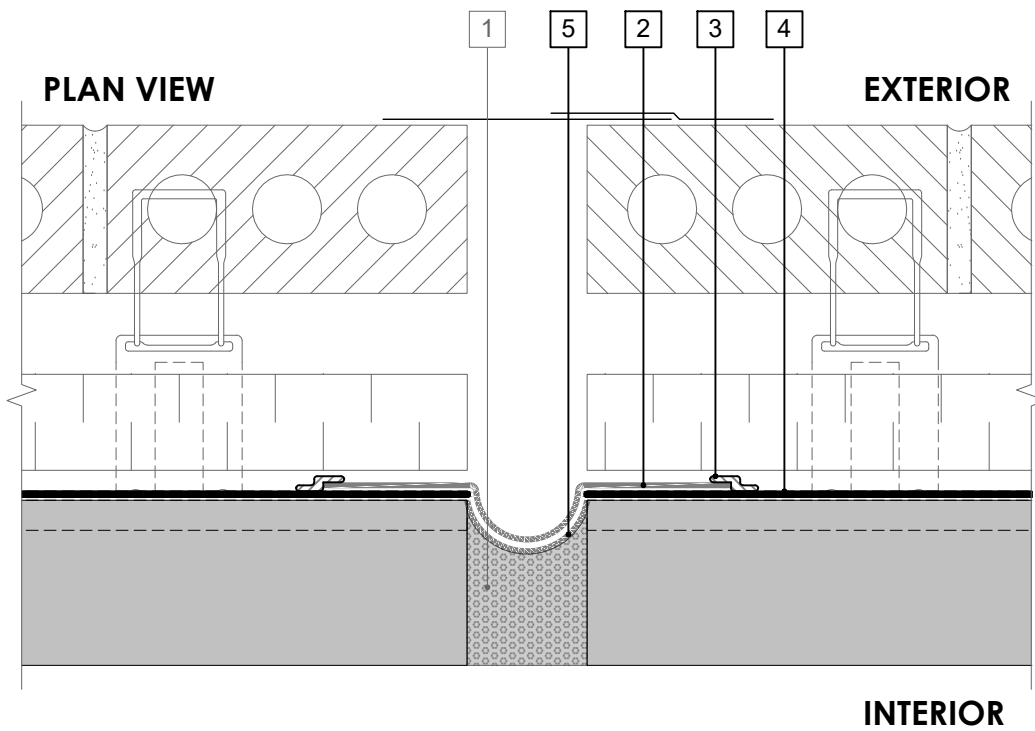
PERM-A-BARRIER® VPS

DRAWING: VPS-007

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

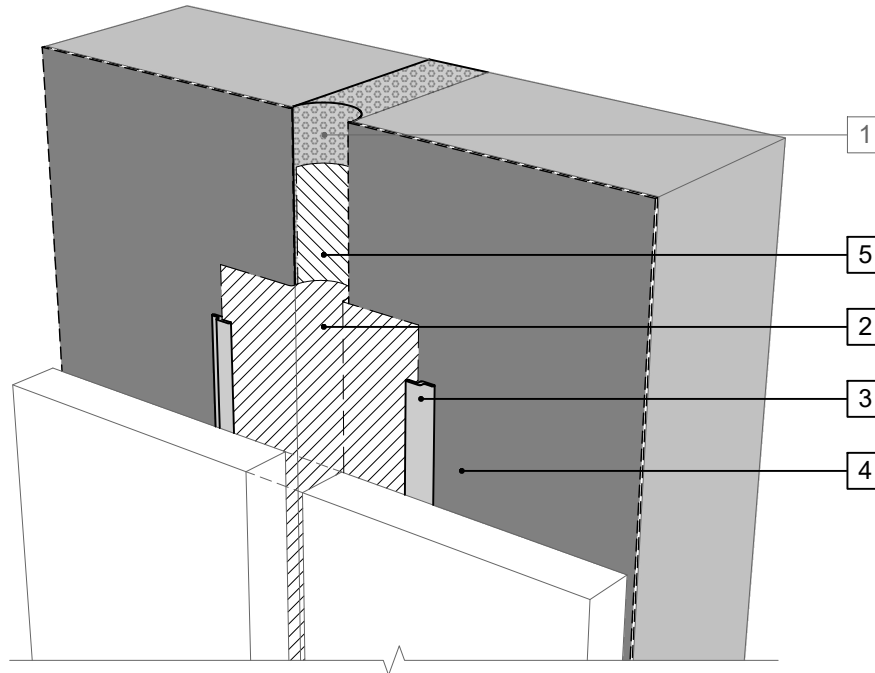


## LEGEND

1. COMPRESSIBLE JOINT FILLER - MAXIMUM 4-INCH WIDE JOINT CAPABLE OF A MAXIMUM 50% MOVEMENT IN COMPRESSION AND ELONGATION
2. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***
3. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH WIDE TROWELED BEAD**
4. **PERM-A-BARRIER® VPS MEMBRANE**
5. **PERM-A-BARRIER® SELF-ADHERED FLASHING\* INVERTED STRIP**

## NOTE

- WIDTH OF THE INVERTED STRIP SHALL BE TWICE THE WIDTH OF THE EXPANSION JOINT TO ACCOMMODATE MOVEMENT - ALL SEAMS, OVERLAPS, JOINTS, AND EDGES SEALED WITH S100
- MAXIMUM 4 INCH WIDE JOINT CAPABLE OF A MAXIMUM 50% MOVEMENT IN COMPRESSION AND ELONGATION
- CLADDING AND CLOSURE BY OTHERS NOT SHOWN FOR CLARITY



PERSPECTIVE VIEW

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## CONTROL JOINT DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS

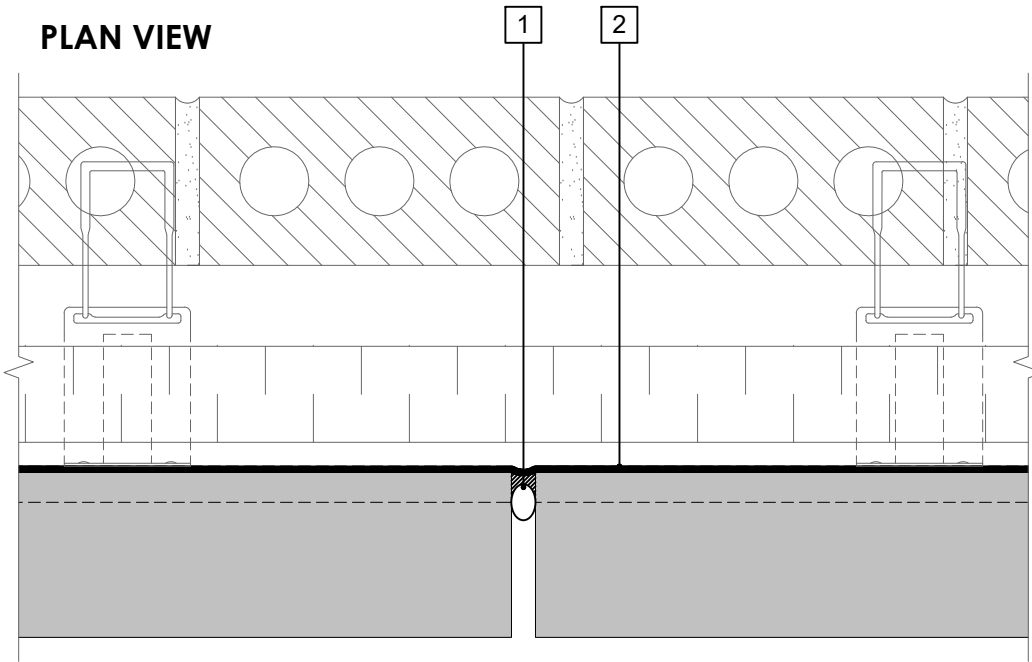
DRAWING: VPS-008

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

**PLAN VIEW**

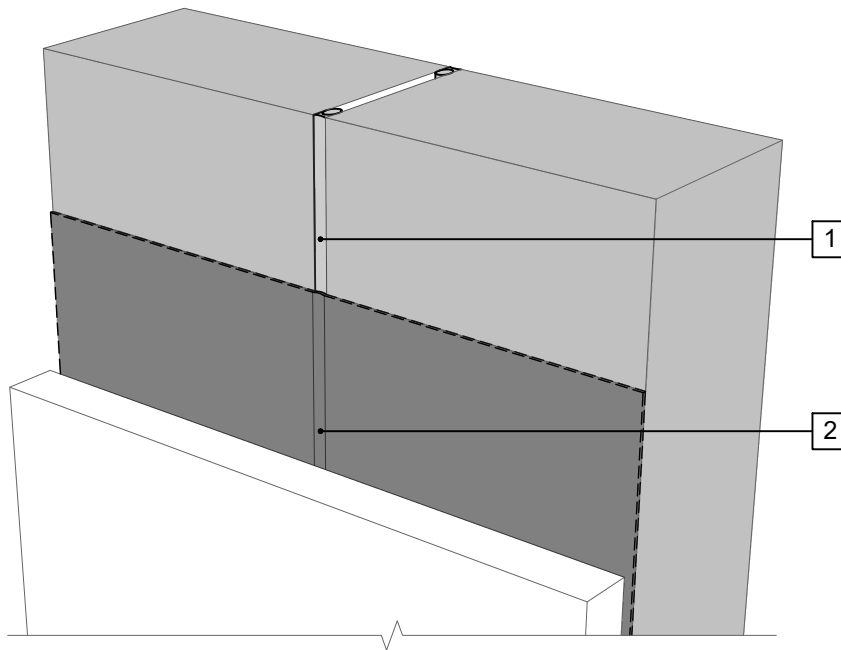


**LEGEND**

- 1. **BACKER ROD AND COMPATIBLE SEALANT**
- 2. **PERM-A-BARRIER® VPS MEMBRANE**

**NOTE**

- MAX 1/2-INCH JOINT CAPABLE OF MAXIMUM 10% MOVEMENT IN COMPRESSION AND ELONGATION



**PERSPECTIVE VIEW**

**GENERAL NOTES**

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.

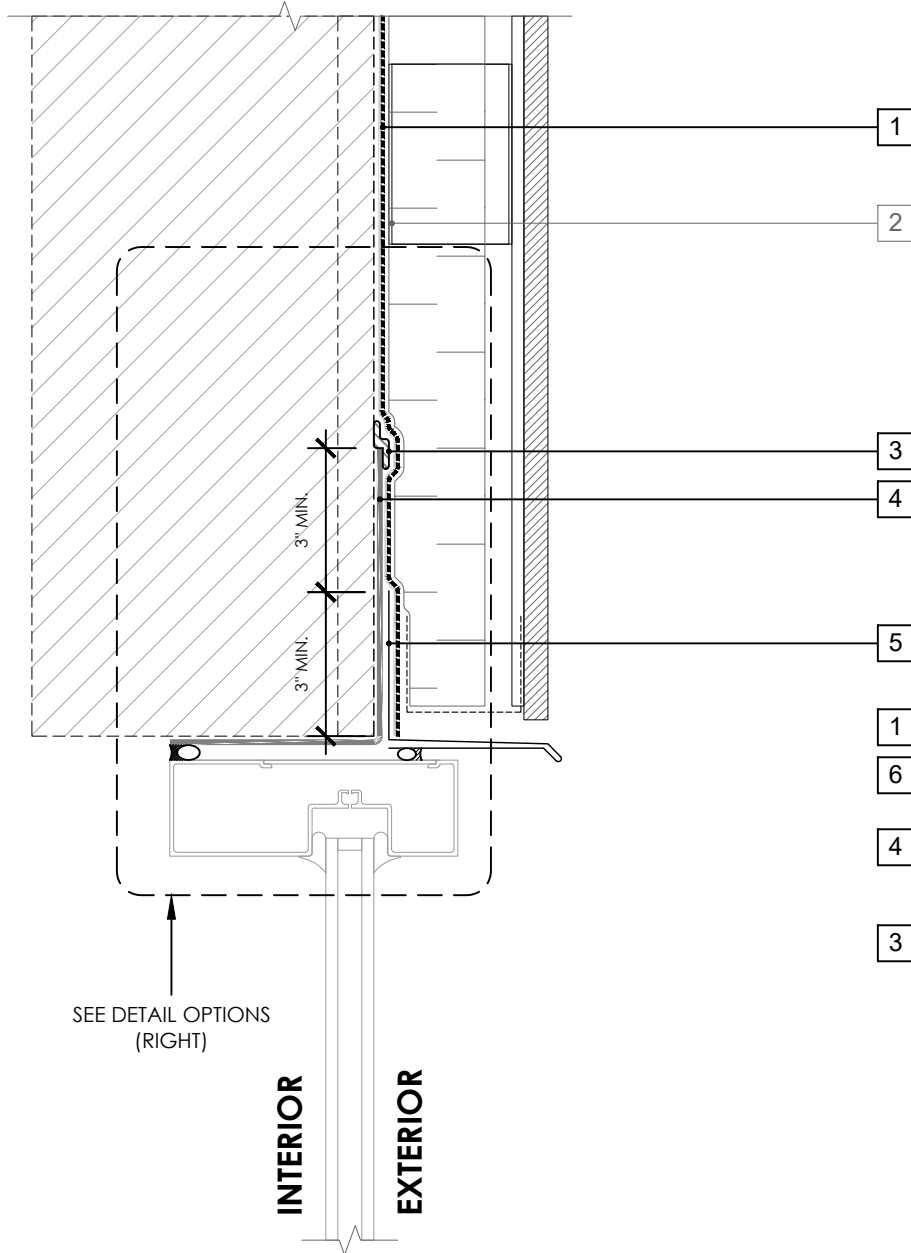


**CONTROL JOINT DETAIL -  
MASONRY CLADDING**

**PERM-A-BARRIER® VPS**

DRAWING:	VPS-009
SCALE:	3" = 1'
EFFECTIVE DATE:	2020.05.21
SUPERCEDES:	NEW

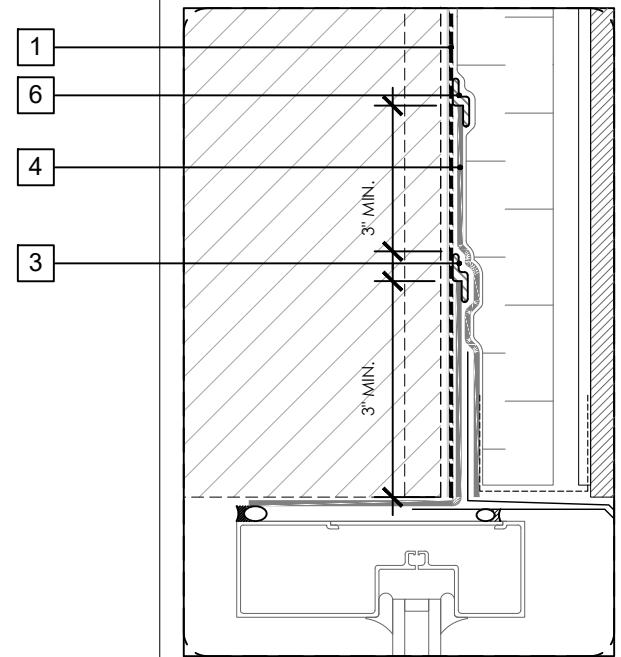
## OPTION 1



## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT, CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. **BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH WIDE TROVELED BEAD**
4. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***
5. SHEET METAL FLASHING PER ARCH
6. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT**

## OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## WINDOW HEAD DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-010

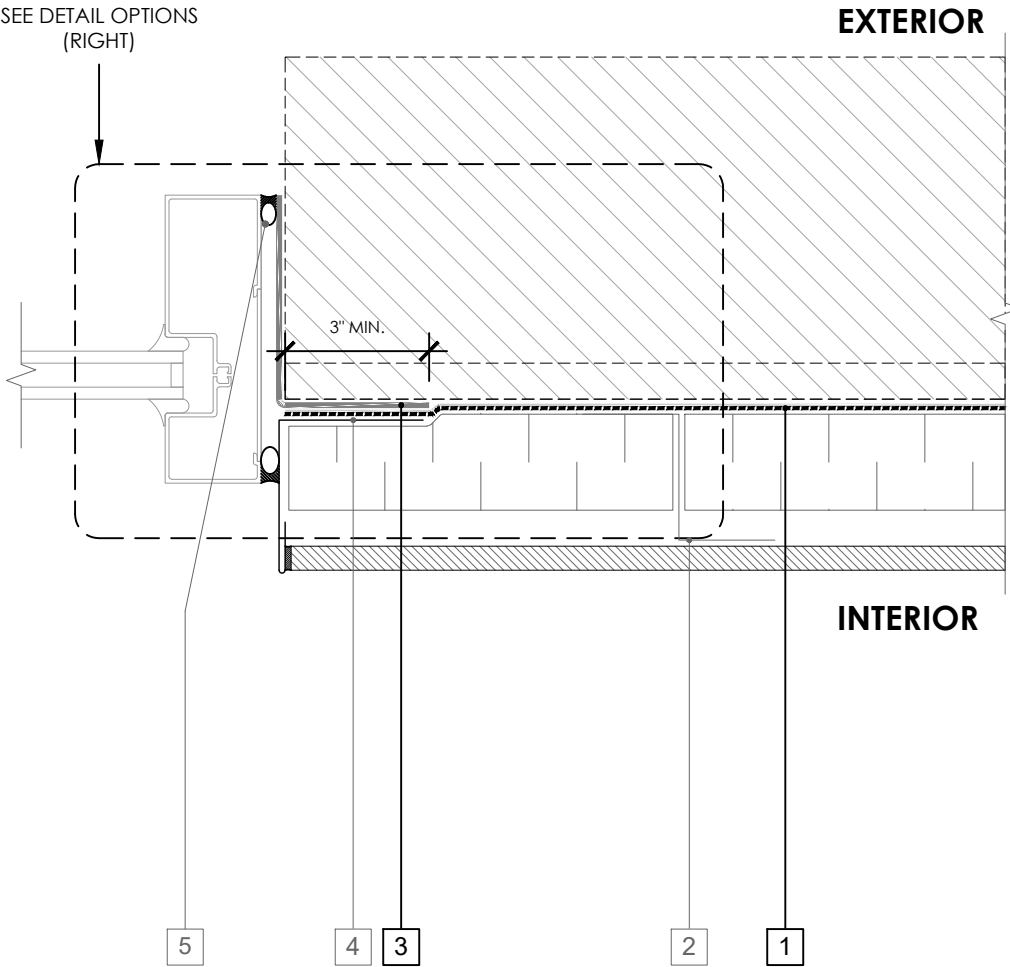
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

# OPTION 1

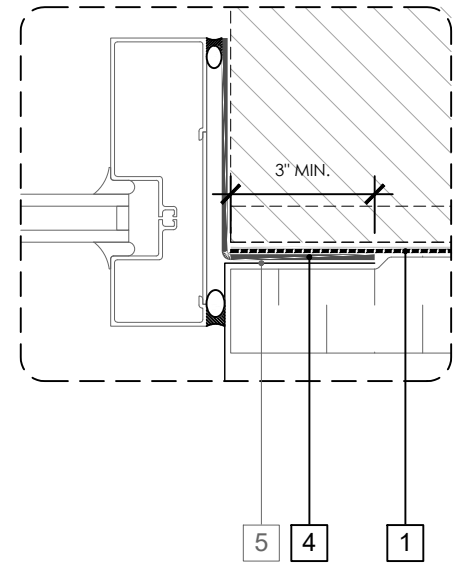
SEE DETAIL OPTIONS (RIGHT)



## LEGEND

1. **PERM-A-BARRIER® VPS**
2. CLADDING ATTACHMENT, CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***
4. SHEET METAL FLASHING PER ARCH
5. INTERIOR AIR SEALANT OVER BACKER ROD

# OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### WINDOW JAMB DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS

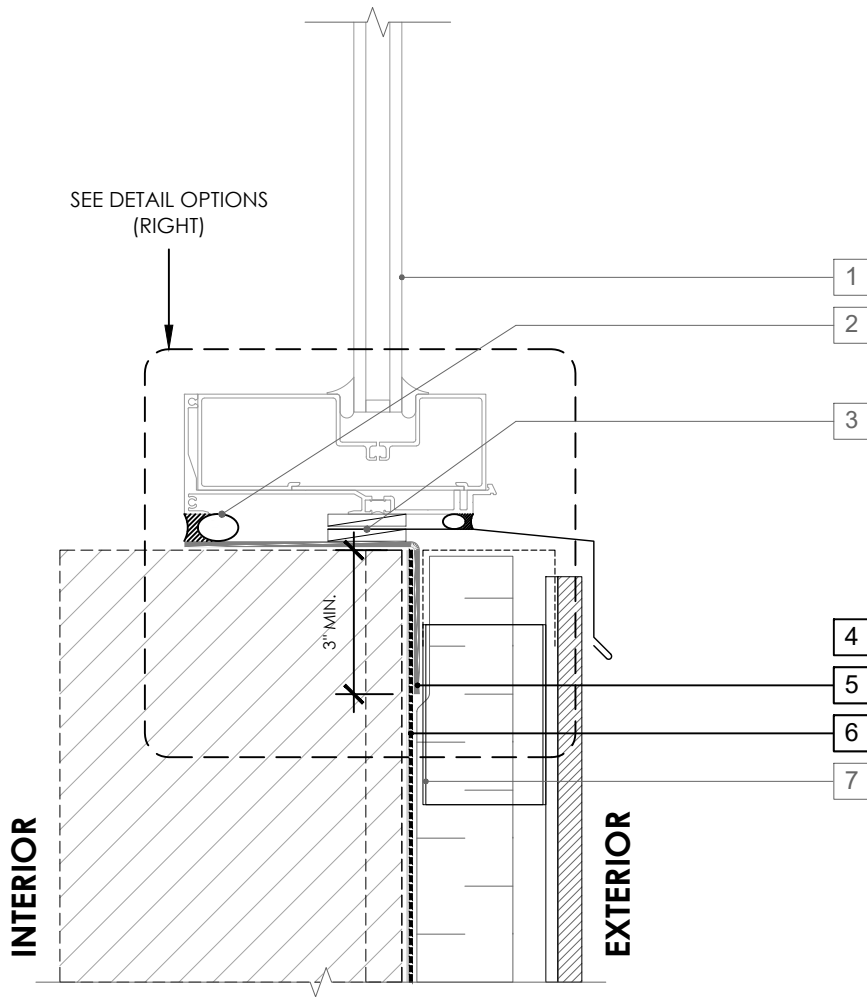
DRAWING: VPS-011

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

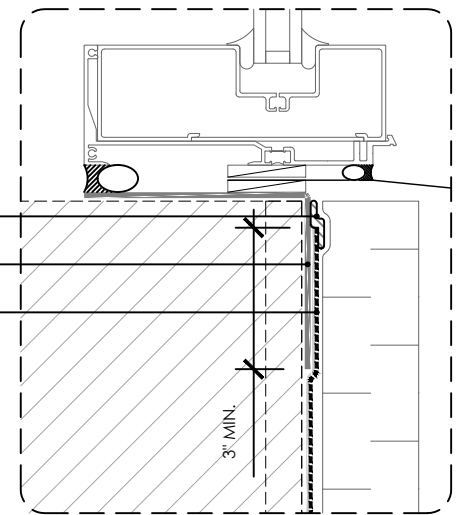
## OPTION 1



## LEGEND

1. NON-FLANGED WINDOW SYSTEM
2. INTERIOR AIR SEALANT OVER BACKER ROD
3. SHEET METAL FLASHING SANDWICHED BETWEEN INTERMITTENT SHIMS
4. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH WIDE TROWELED BEAD**
5. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***
6. **PERM-A-BARRIER® VPS MEMBRANE**
7. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE

## OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### WINDOW SILL DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-012

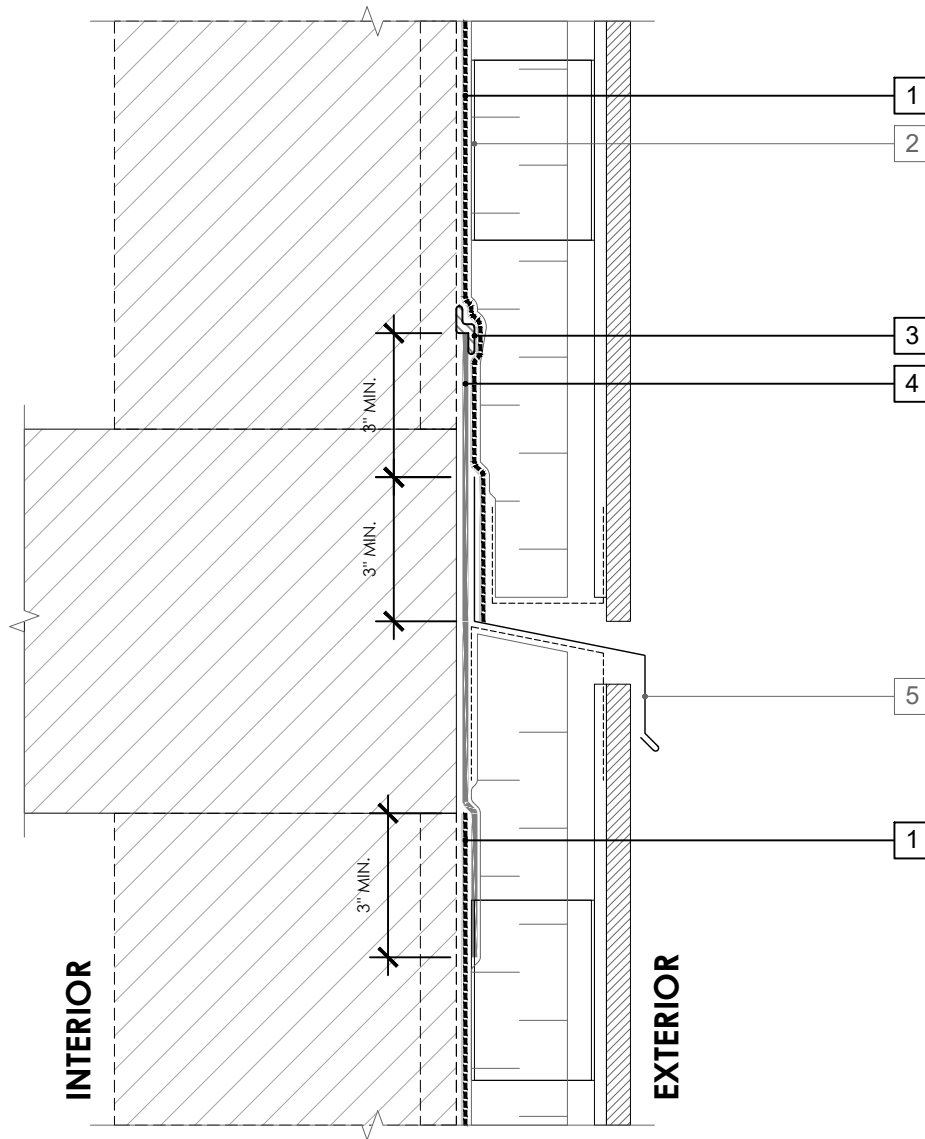
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT -  
CONFIRM DETAILING REQUIREMENTS  
WITH THE GCPAT REPRESENTATIVE
3. **BITUTHENE MASTIC, BITUTHENE  
LIQUID MEMBRANE, OR GCP  
APPROVED SEALANT - 1-INCH  
TROWELED BEAD**
4. **PERM-A-BARRIER® SELF-ADHERED  
FLASHING\***
5. SHEET METAL FLASHING PER ARCH



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## FLOOR LINE DETAIL - NON-MASONRY CLADDING

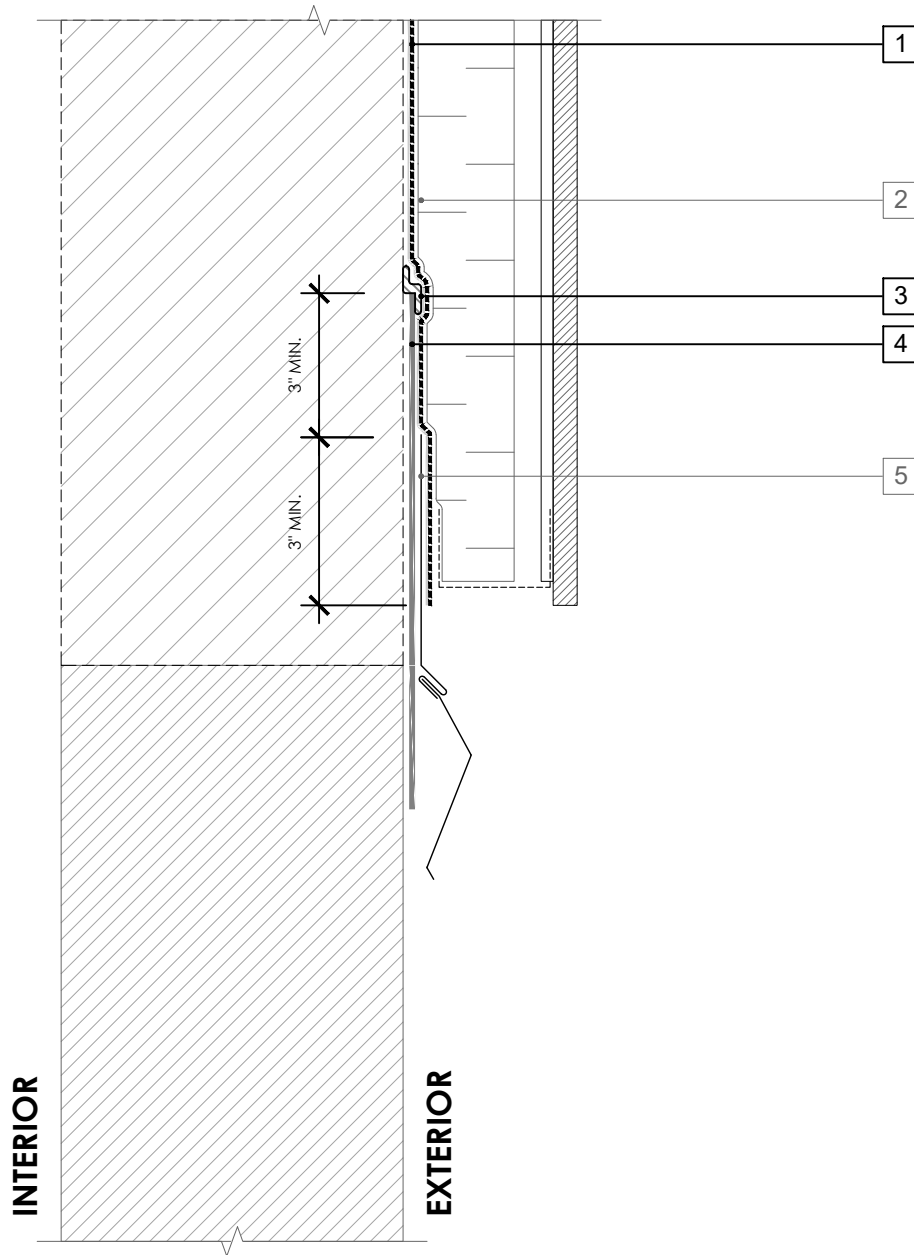
PERM-A-BARRIER® VPS

DRAWING: VPS-013

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW



## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT -  
CONFIRM DETAILING REQUIREMENTS  
WITH THE GCPAT REPRESENTATIVE
3. **BITUTHENE MASTIC, BITUTHENE  
LIQUID MEMBRANE, OR GCP  
APPROVED SEALANT - 1-INCH  
TROWELED BEAD**
4. **PERM-A-BARRIER® SELF-ADHERED  
FLASHING\***
5. TWO-PIECE SHEET METAL FLASHING  
PER ARCH

## NOTE

- CONFIRM MAXIMUM SERVICE TEMPERATURE OF PERM-A-BARRIER PRODUCTS DIRECTLY UNDER EXPOSED METAL FLASHING

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## CONCRETE STEM WALL DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS

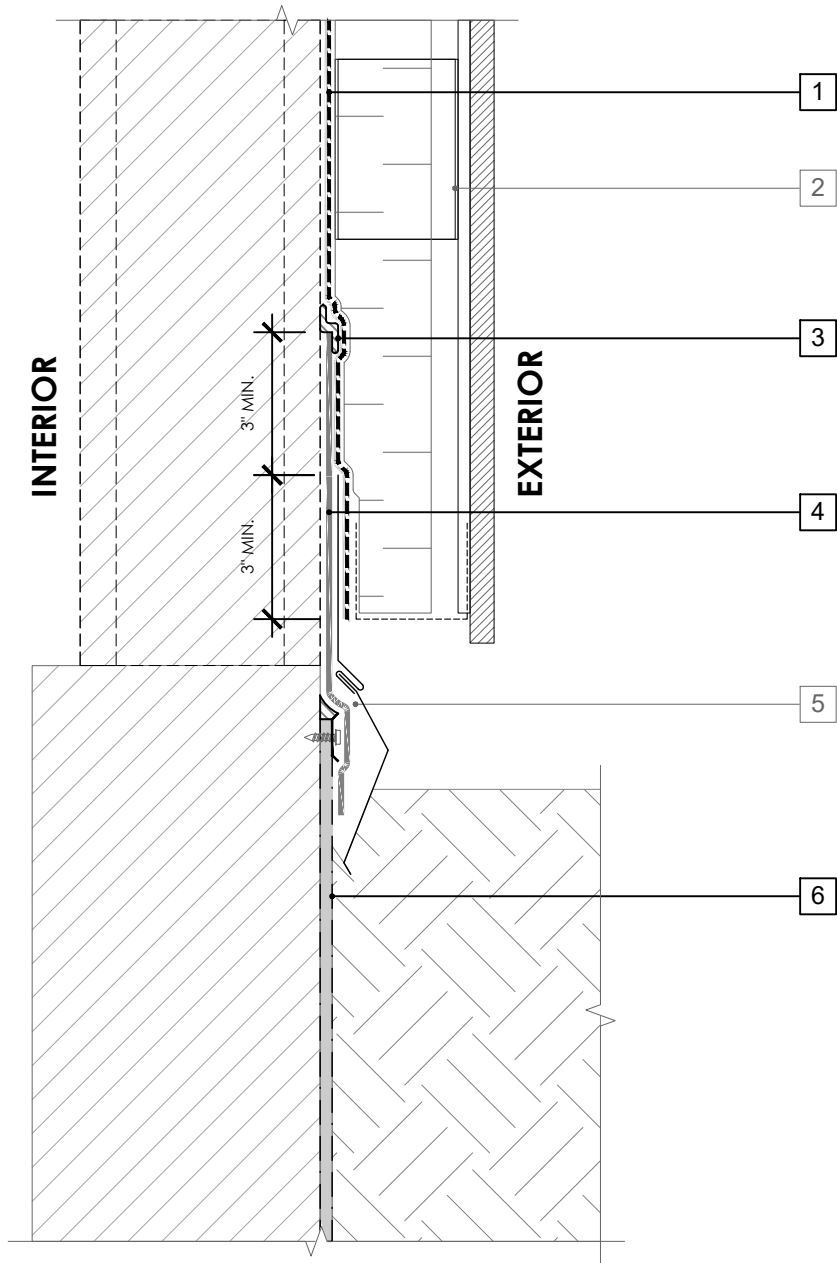
DRAWING: VPS-014

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW





## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT -  
CONFIRM DETAILING REQUIREMENTS  
WITH THE GCPAT REPRESENTATIVE
3. **BITUTHENE MASTIC, BITUTHENE  
LIQUID MEMBRANE, OR GCP  
APPROVED SEALANT - 1-INCH  
TROWELED BEAD**
4. **PERM-A-BARRIER® SELF-ADHERED  
FLASHING\***
5. TWO-PIECE SHEET METAL FLASHING  
PER ARCH
6. **BELOW GRADE WATERPROOFING  
SYSTEM - SEE GCPAT.COM**

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### BASE-OF-WALL AT GRADE DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-015

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

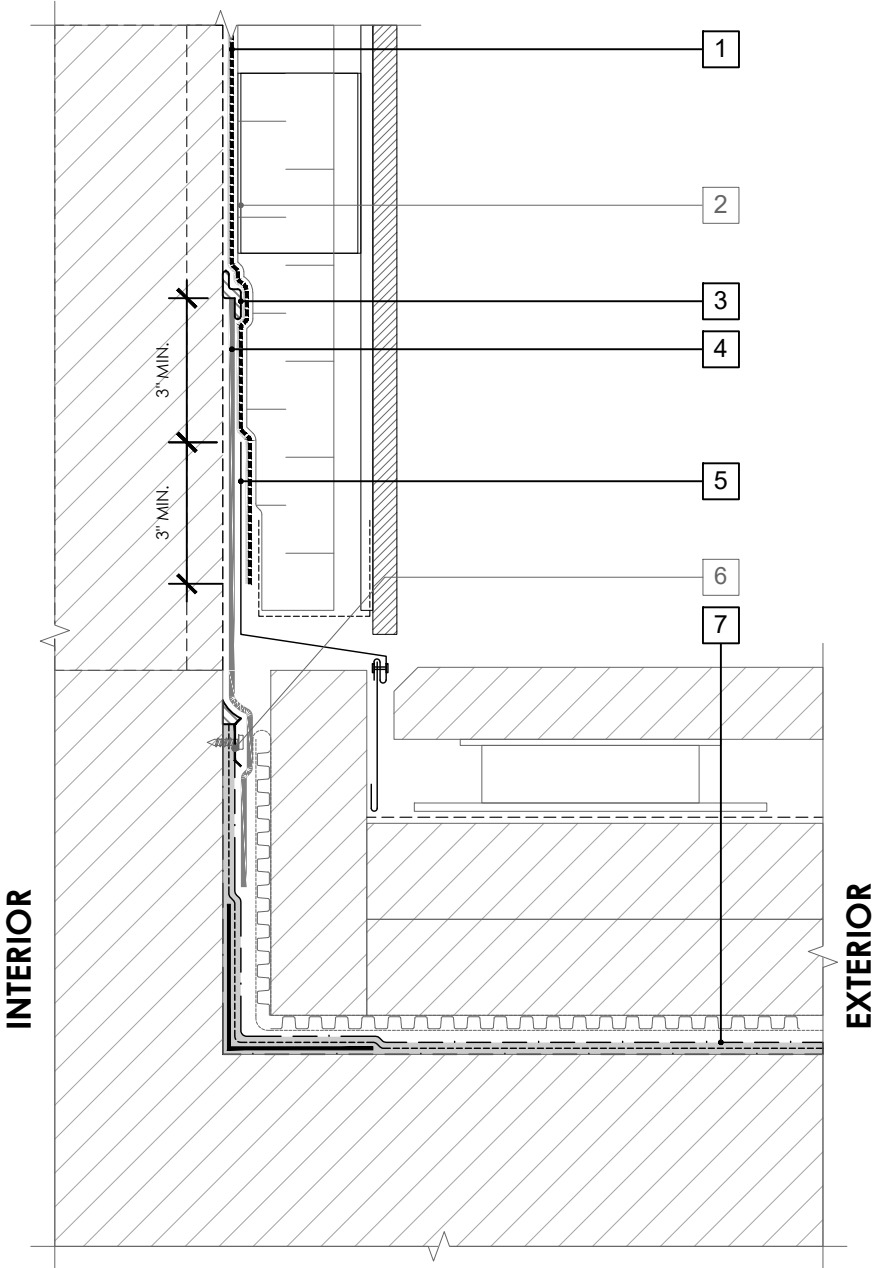
SUPERCEDES: NEW

**LEGEND**

- 1. **PERM-A-BARRIER® VPS MEMBRANE**
- 2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
- 3. **BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH TROWELED BEAD**
- 4. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***
- 5. SHEET METAL FLASHING PER ARCH
- 6. TERMINATION PER HORIZONTAL WATERPROOFING SYSTEM MANUFACTURER
- 7. **HORIZONTAL WATERPROOFING SYSTEM - SEE GCPAT.COM**

**NOTE**

- CONSULT GCP FOR HORIZONTAL WATERPROOFING COMPATIBILITY AND CONNECTION



**GENERAL NOTES**

- 1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
- 2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
- 3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



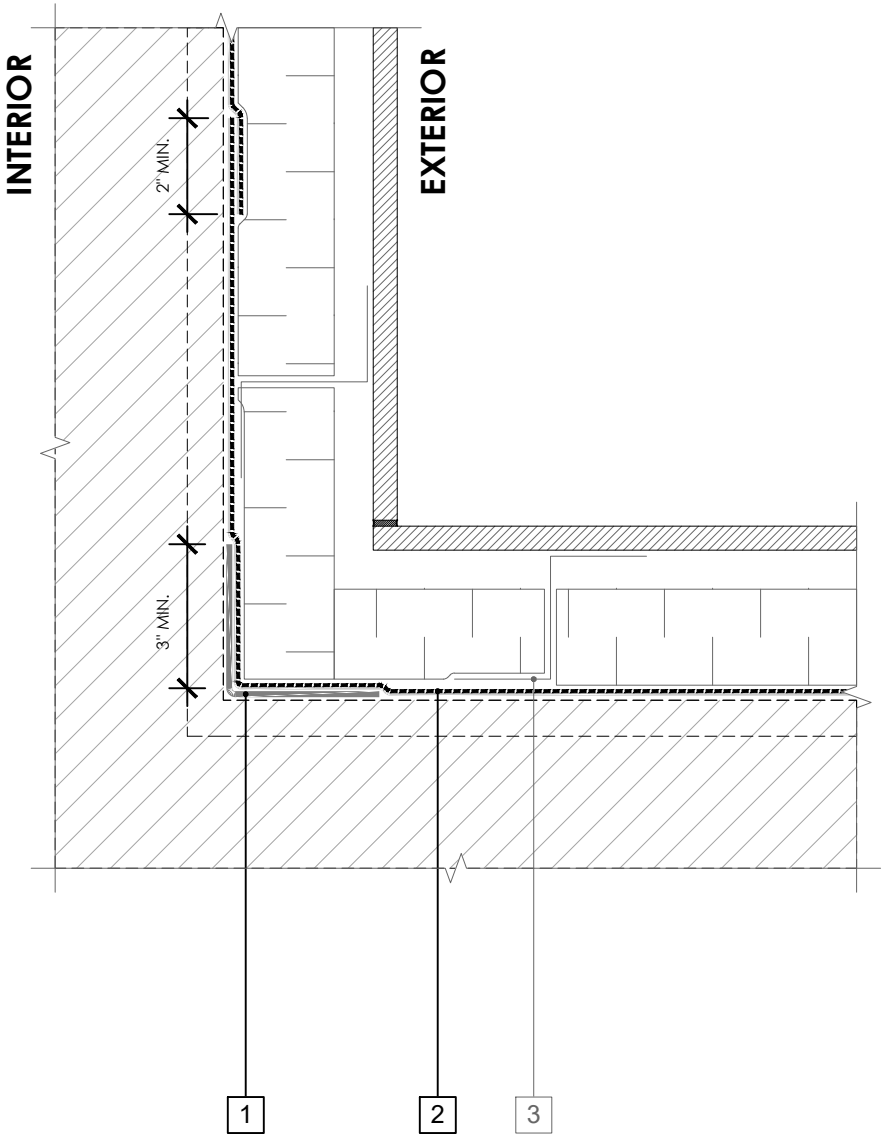
**BASE-OF-WALL DETAIL -  
NON-MASONRY CLADDING**

**PERM-A-BARRIER® VPS**

DRAWING:	VPS-016
SCALE:	3" = 1'
EFFECTIVE DATE:	2020.05.21
SUPERCEDES:	NEW

**LEGEND**

- 1. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***. PRIME SUBSTRATE WHERE REQUIRED
- 2. **PERM-A-BARRIER® VPS MEMBRANE**
- 3. CLADDING ATTACHMENT - DETAIL PER GCPAT REQUIREMENTS



**GENERAL NOTES**

- 1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
- 2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
- 3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



**INSIDE CORNER DETAIL -  
NON-MASONRY CLADDING**

**PERM-A-BARRIER® VPS**

DRAWING: VPS-017

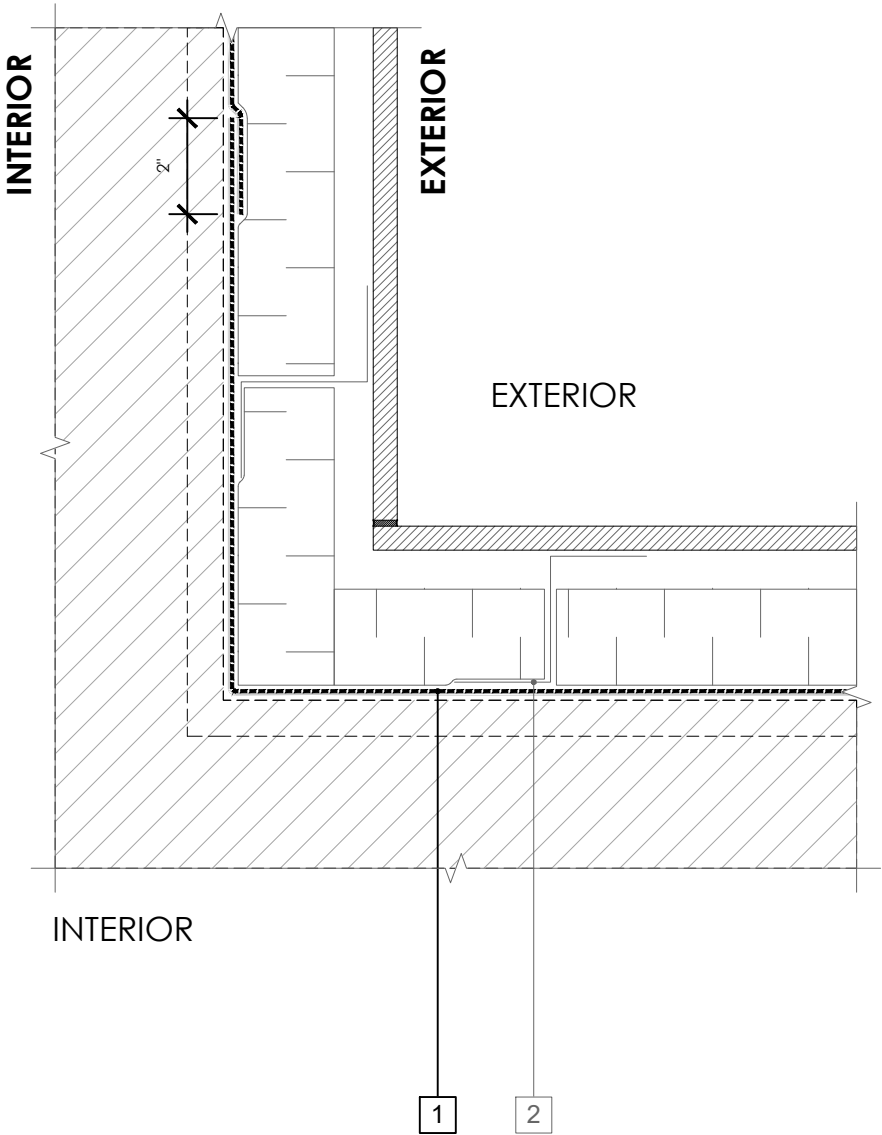
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

**LEGEND**

- 1. **PERM-A-BARRIER® VPS MEMBRANE**
- 2. CLADDING ATTACHMENT - DETAIL PER GCPAT REQUIREMENTS



**GENERAL NOTES**

- 1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
- 2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
- 3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

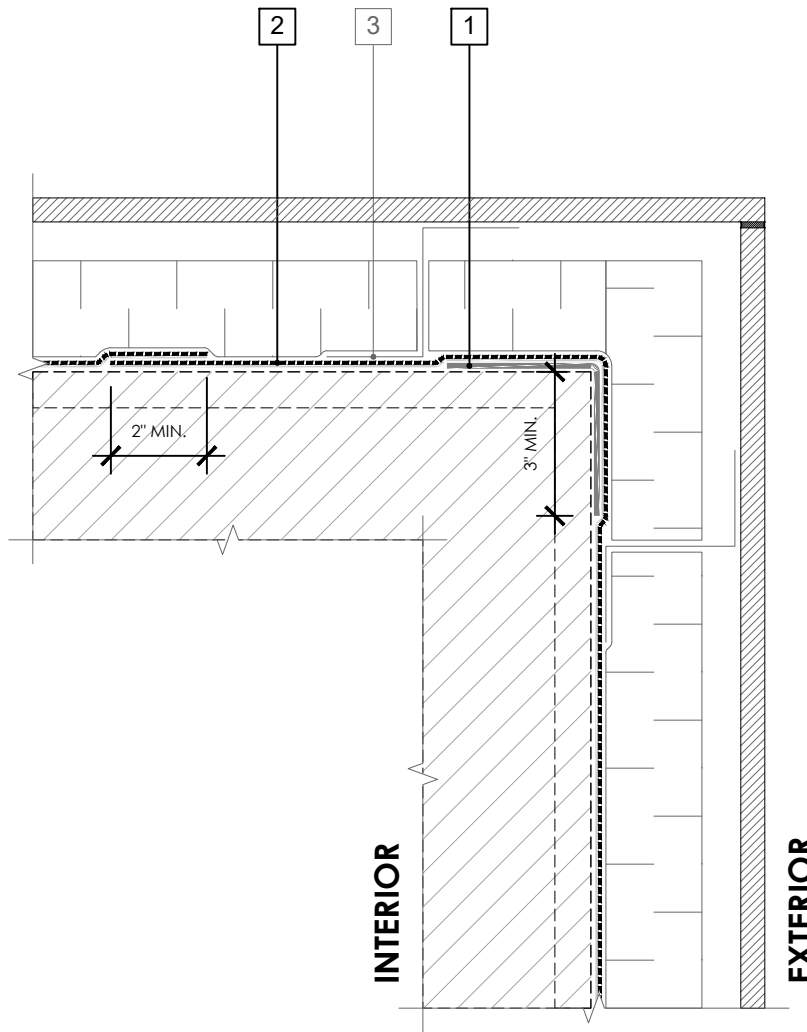
\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



**INSIDE CORNER DETAIL (ALTERNATE) -  
NON-MASONRY CLADDING**

**PERM-A-BARRIER® VPS**

DRAWING:	VPS-017 (ALT)
SCALE:	3" = 1'
EFFECTIVE DATE:	2020.05.21
SUPERCEDES:	NEW



## LEGEND

1. **PERM-A-BARRIER®** DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING. PRIME SUBSTRATE WHERE REQUIRED
2. **PERM-A-BARRIER®** VPS MEMBRANE
3. CLADDING ATTACHMENT - DETAIL PER GCPAT REQUIREMENTS

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



### OUTSIDE CORNER DETAIL - NON-MASONRY CLADDING

**PERM-A-BARRIER®** VPS

DRAWING: VPS-018

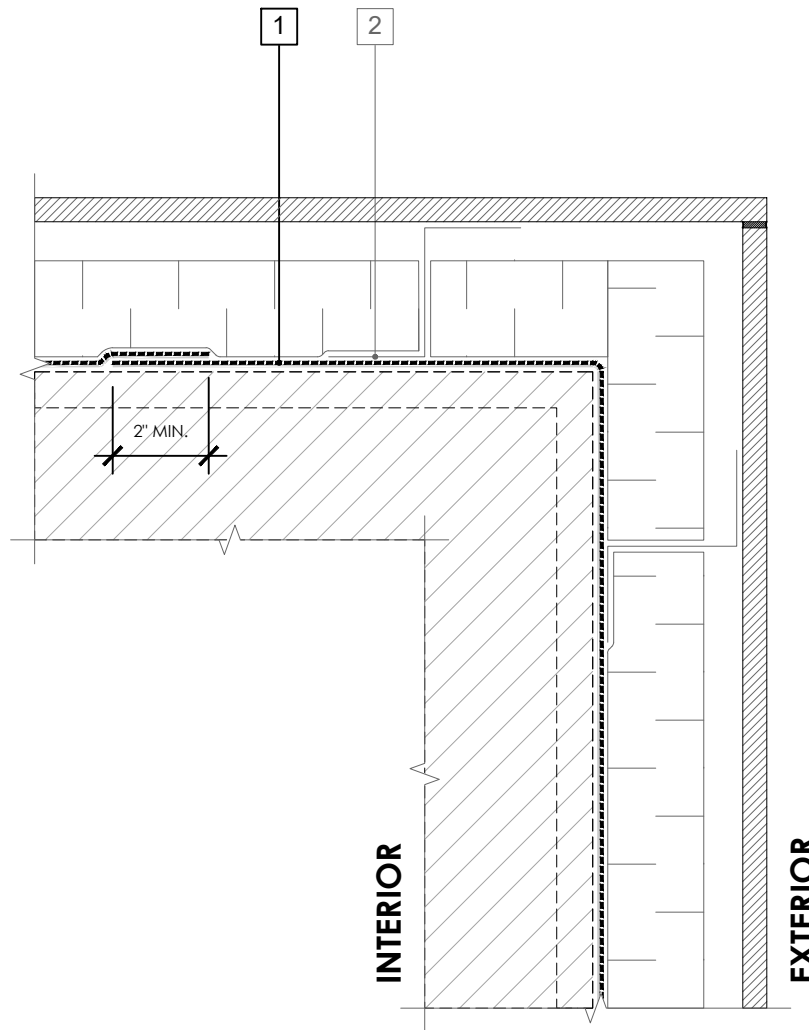
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT - DETAIL PER GCPAT REQUIREMENTS



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## OUTSIDE CORNER DETAIL (ALTERNATE) - NON-MASONRY CLADDING

**PERM-A-BARRIER® VPS**

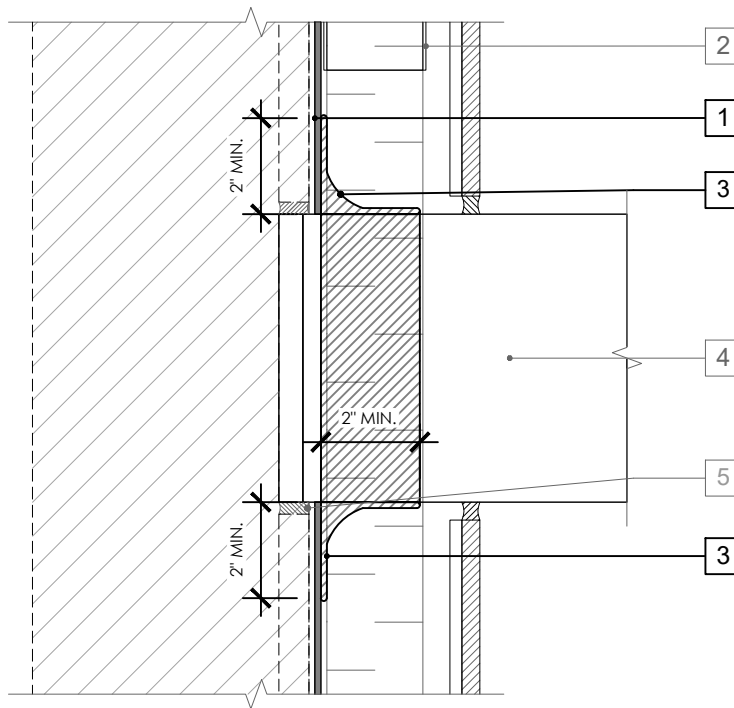
DRAWING: VPS-018 (ALT)

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

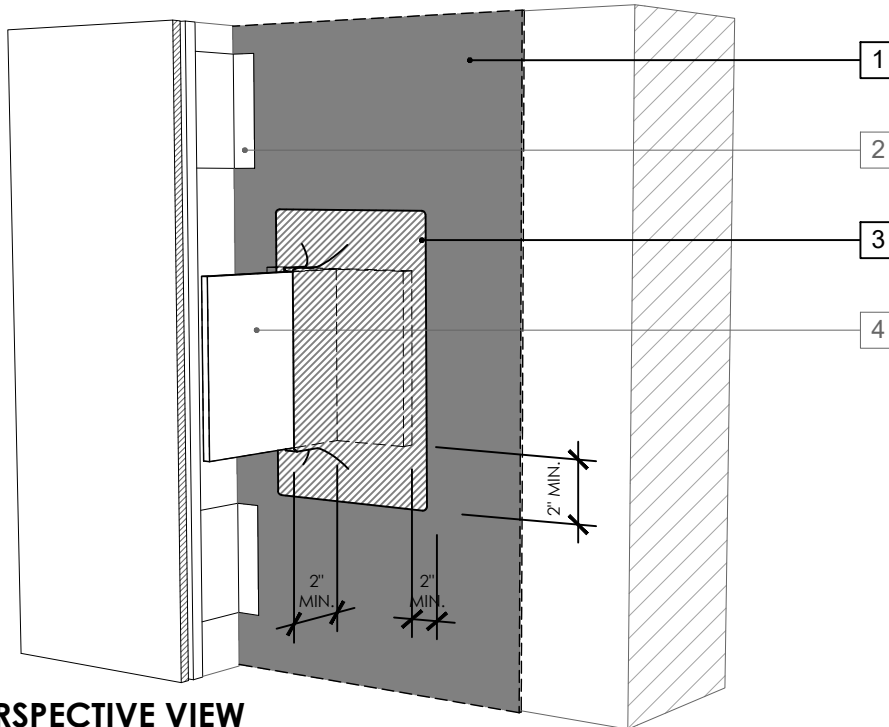
SUPERCEDES: NEW

## SECTION VIEW



## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, FLASHING AND CANT SEAL**
4. KNIFE PLATE PENETRATION
5. POLYURETHANE SEALANT OR NON-SHRINK GROUT PER BACKUP WALL TYPE
6. **JOINT TREATMENT PER DETAIL VPS-009**



## PERSPECTIVE VIEW

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## KNIFEPLATE PENETRATION DETAIL - NON-MASONRY CLADDING

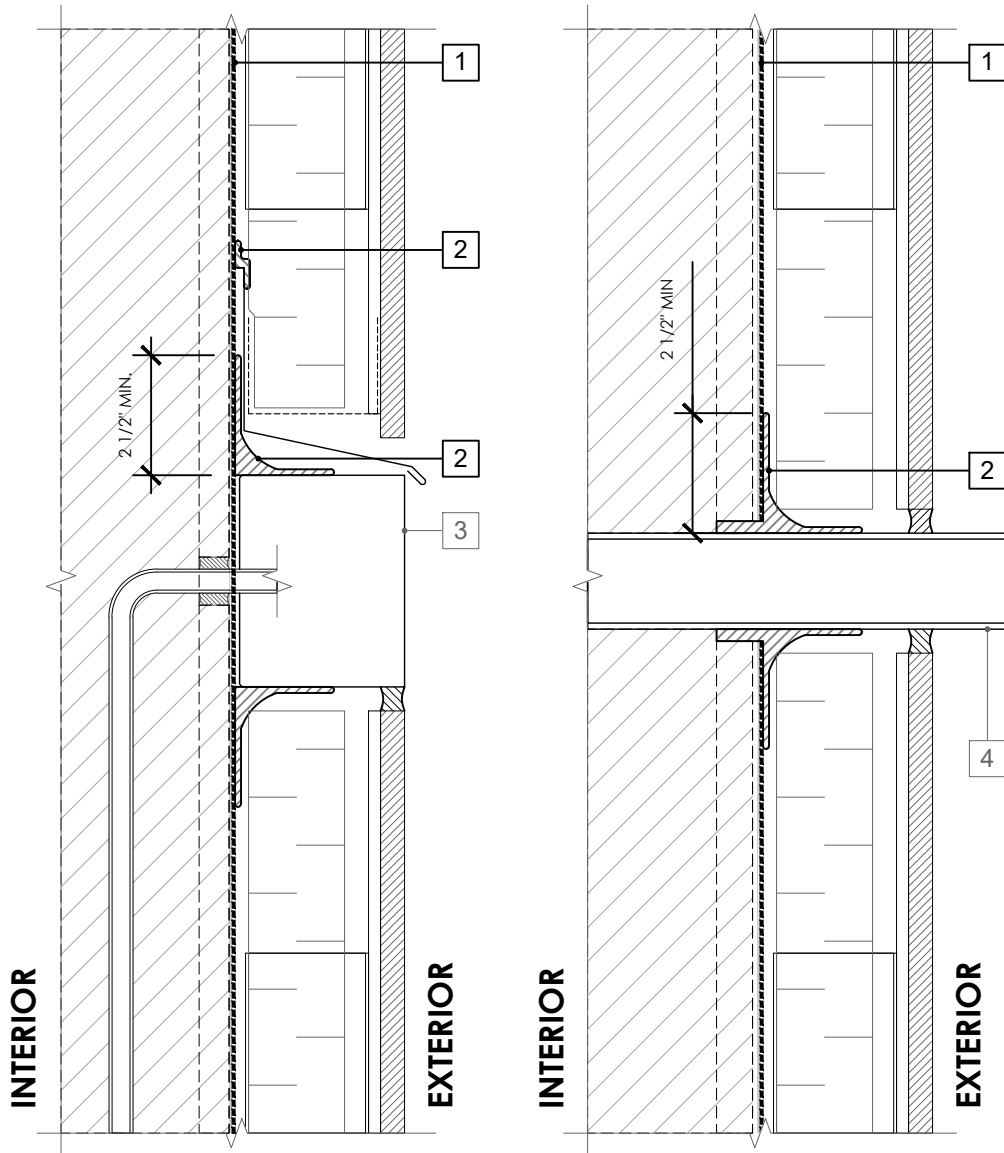
PERM-A-BARRIER® VPS

DRAWING: VPS-019

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW



## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT
3. AIR AND WATER TIGHT BOX AND PENETRATION
4. AIR AND WATER TIGHT PIPE OR DUCT PENETRATION

## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## PENETRATION DETAILS - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-020

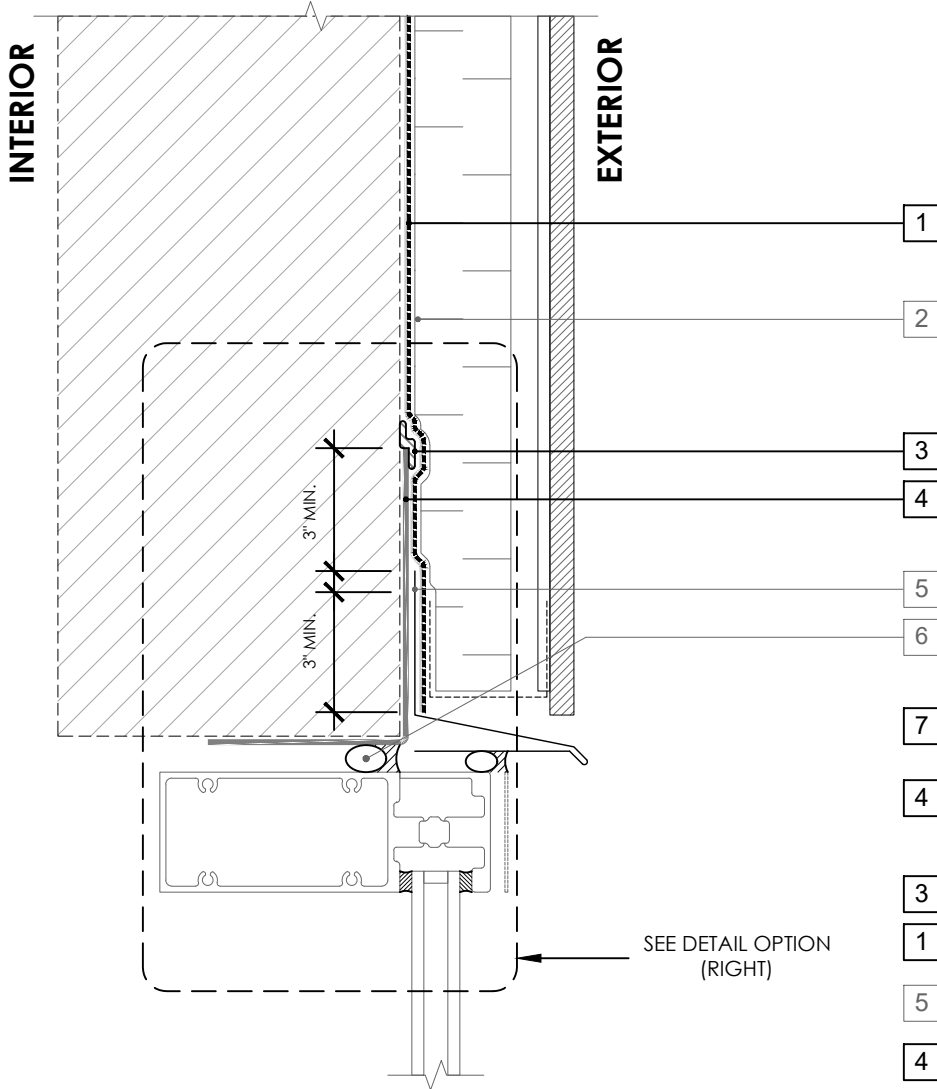
SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW



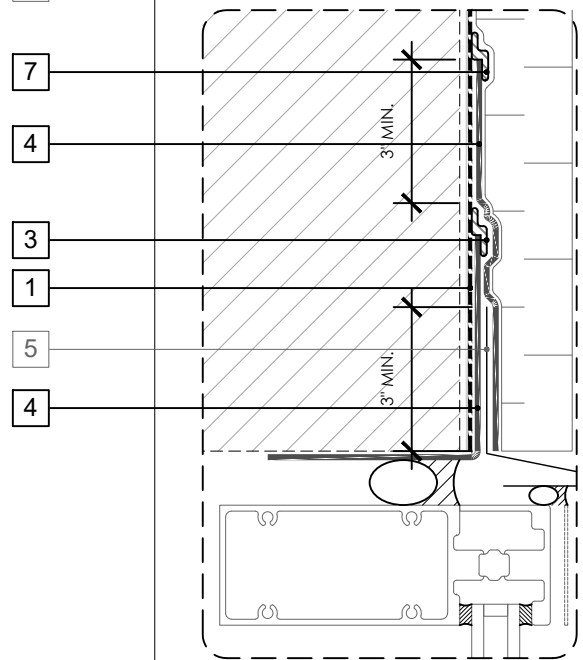
## OPTION 1



## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT -  
CONFIRM DETAILING REQUIREMENTS  
WITH THE GCPAT REPRESENTATIVE
3. **BITUTHENE MASTIC, BITUTHENE  
LIQUID MEMBRANE, OR GCP  
APPROVED SEALANT - 1-INCH  
TROWELED BEAD**
4. **PERM-A-BARRIER® SELF-ADHERED  
FLASHING\***
5. SHEET METAL FLASHING PER ARCH
6. INTERIOR AIR SEALANT OVER  
BACKER ROD
7. **PERM-A-BARRIER® S100, BITUTHENE  
MASTIC, BITUTHENE LIQUID  
MEMBRANE, OR GCP APPROVED  
SEALANT**

## OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## CURTAINWALL HEAD DETAIL

PERM-A-BARRIER® VPS

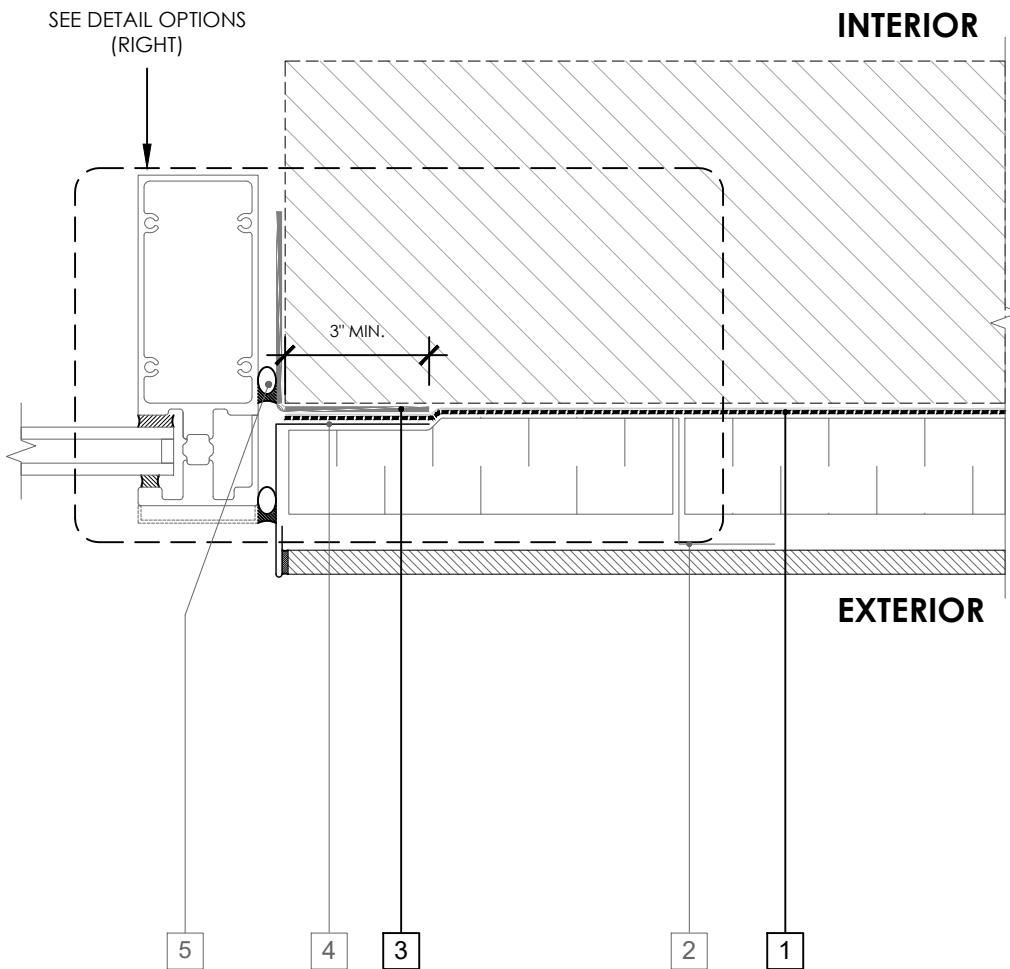
DRAWING: VPS-021

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

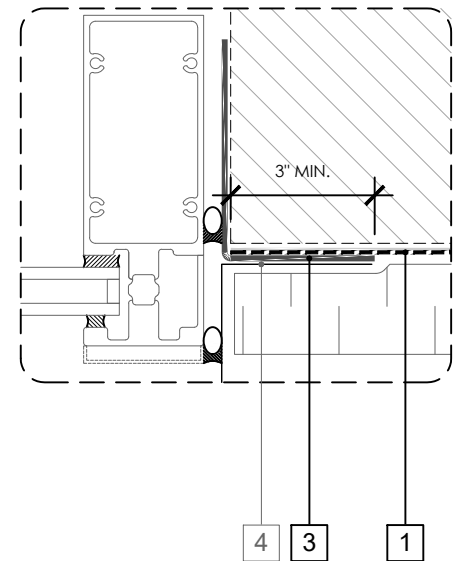
## OPTION 1



## LEGEND

1. **PERM-A-BARRIER® VPS MEMBRANE**
2. CLADDING ATTACHMENT -  
CONFIRM DETAILING REQUIREMENTS  
WITH THE GCPAT REPRESENTATIVE
3. **PERM-A-BARRIER® SELF-ADHERED  
FLASHING\***
4. SHEET METAL FLASHING PER ARCH
5. INTERIOR AIR SEALANT OVER  
BACKER ROD

## OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## CURTAINWALL JAMB DETAIL

PERM-A-BARRIER® VPS

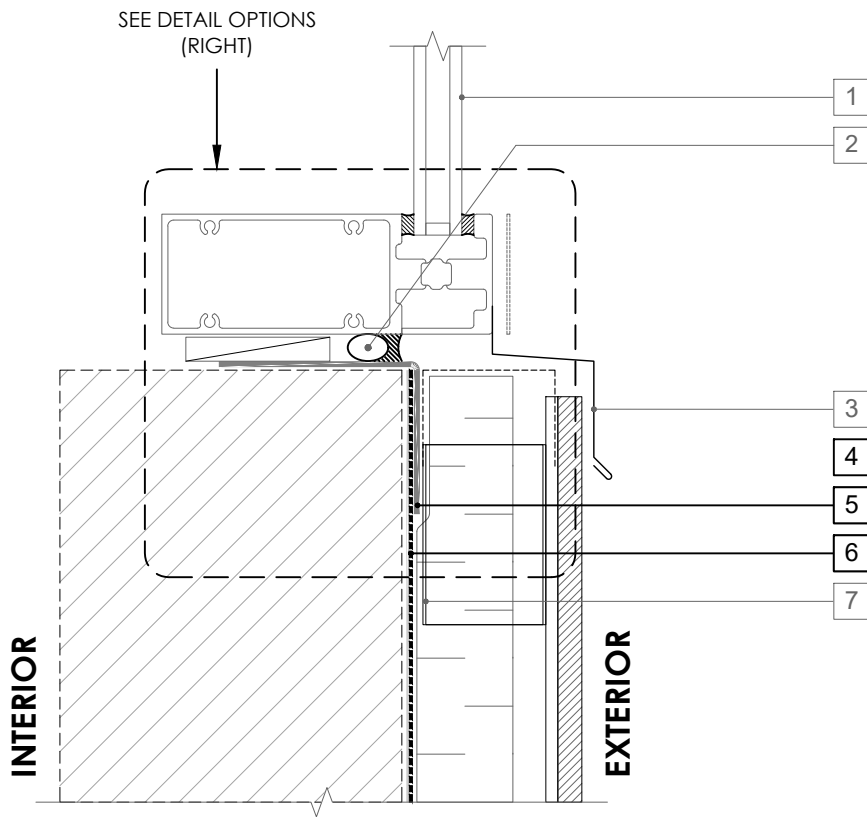
DRAWING: VPS-022

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

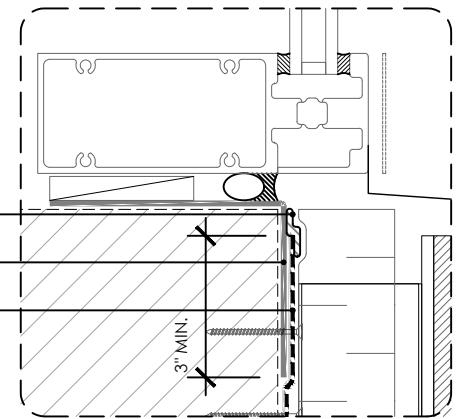
# OPTION 1



## LEGEND

1. CURTAINWALL SILL OVER MANUFACTURER'S STARTER TRACK
2. INTERIOR AIR SEALANT OVER BACKER ROD
3. SHEET METAL FLASHING SANDWICHED BETWEEN INTERMITTENT SHIMS
4. **PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH TROWELED BEAD**
5. **PERM-A-BARRIER® SELF-ADHERED FLASHING\***
6. **PERM-A-BARRIER® VPS MEMBRANE**
7. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE

# OPTION 2



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## CURTAINWALL SILL DETAIL

PERM-A-BARRIER® VPS

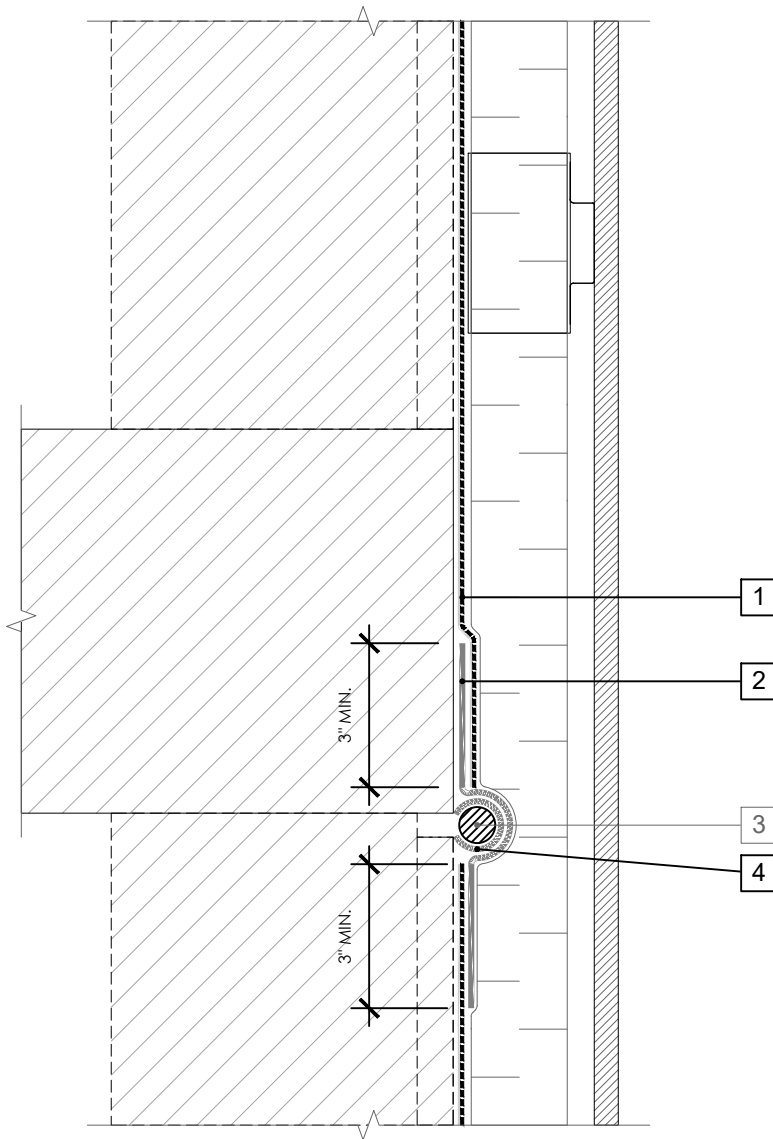
DRAWING: VPS-023

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

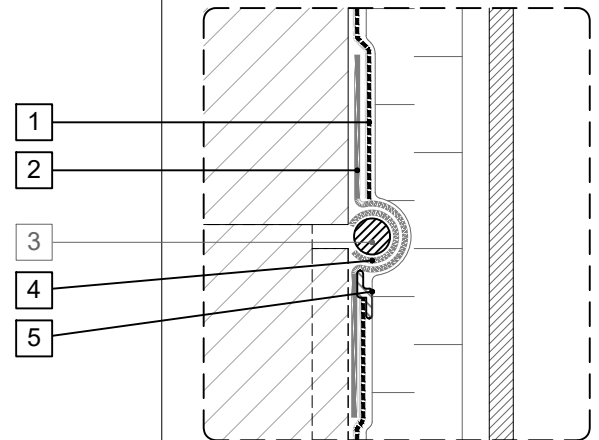
## OPTION 1



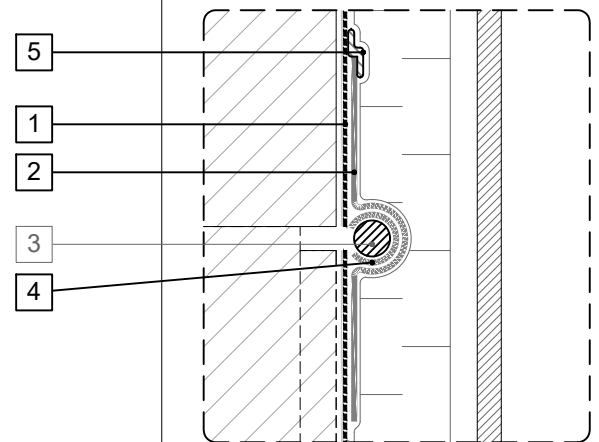
## LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. PERM-A-BARRIER® SELF-ADHERED FLASHING\*
3. MINIMUM 3/4" BACKER ROD
4. PERM-A-BARRIER DETAIL MEMBRANE INVERTED STRIP SUFFICIENT IN SIZE TO COVER BACKER ROD
5. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH TROWELED BEAD

## OPTION 2



## OPTION 3



## GENERAL NOTES

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

\*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING\* products.



## DEFLECTION JOINT

PERM-A-BARRIER® VPS

DRAWING: VPS-024

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW