**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.

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**NOTE**

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

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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
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.
OPTION 1

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

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
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.

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**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

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**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.
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 PRESTRIP VARIATIONS

A. WITHOUT BACK DAM ANGLE

B. WITH BACK DAM ANGLE

LEGEND

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

DETAIL A

CORNER PATCHES INSTALLED AT TOP AND BOTTOM CORNERS OF JAMB FLASHING - CENTER PATCH AT CORNER
PRESS INTO CORNER TO CREATE TIGHT SEAL AND PREVENT PATCH FROM BRIDGING AT ALL 90 DEGREE SUBSTRATE ANGLE CHANGES.

DETAIL B

BACK DAM ANGLE HEIGHT PER ARCH

TYPICAL SILL PRESTRIP CORNER DETAILING AT SILL BACK DAM ANGLE

CORNER PATCH [SEE DETAIL A]

FOLDING TEMPLATE

LAP BACK FLAP OF SILL CORNER PIECE 0/ END DAM
BACK DAM ANGLE HEIGHT PER ARCH
CUT LINES SHOWN DASHED
FOLD LINES SHOWN SOLID

V.I.F. 3”

3” = 1’

DRAWING: VPS-003 (3D-2)

SCALE: 3” = 1’

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

SHEET-APPLIED FLASHING PRESTRIP

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.
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

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
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.

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

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

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.

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

BASE OF WALL DETAIL (ALTERNATE 1) - MASONRY CLADDING

PERM-A-BARRIER® VPS

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

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

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.
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**

**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

**DRAWING:** VPS-005 (3D-1)

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

**SUPERCEDES:** NEW
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.
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 FON T*. 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
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.

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

MASONRY ANCHOR DETAIL - FRAMED SUBSTRATE

PERM-A-BARRIER® VPS
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
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.

**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

**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
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.
**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.

**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 TROWELED 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 1**

- **EXTERIOR**
- **INTERIOR**

**OPTION 2**

- **EXTERIOR**
- **INTERIOR**

**DRAWING:** VPS-010
**SCALE:** 3" = 1'
**EFFECTIVE DATE:** 2020.05.21
**SUPERCEDES:** NEW
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.
**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.

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

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

LEGEND

1. PERM-A-BARRIER® VPS MEMBRANE
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCP AT 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

FLOOR LINE DETAIL - NON-MASONRY CLADDING

DRAWING: VPS-013
SCALE: 3" = 1'
EFFECTIVE DATE: 2020.05.21
SUPERCEDES: NEW
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.

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

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

**LEGEND**

1. **PERM-A-BARRIER® VPS MEMBRANE**

2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCP AT 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.

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 TROELED BEAD
4. PERM-A-BARRIER® SELF-ADHERED FLASHING*
5. TWO-PIECE SHEET METAL FLASHING PER ARCH
6. BELOW GRADE WATERPROOFING SYSTEM - SEE GCPAT.COM

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
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.

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

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

**GENERAL NOTES**

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**LEGEND**

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

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**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
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.
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.
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.

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

KNIFEPLATE PENETRATION DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS

DRAWING: VPS-019

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW
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.
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.

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

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**

CURTAINWALL HEAD DETAIL

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.

LEGEND

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

OPTION 1

SEE DETAIL OPTIONS (RIGHT)

OPTION 2

CURTAINWALL JAMB DETAIL

PERM-A-BARRIER® VPS

DRAWING: VPS-022

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW
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.

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**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 1**
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**
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

**CURTAINWALL SILL DETAIL**

**PERM-A-BARRIER® VPS**

**DRAWING:** VPS-023

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

**SUPERCEDES:** NEW
**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

**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.