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.

LIST OF DRAWINGS

**WINDOW DETAILS AT MASONRY CLADDING**

VPS30-001: WINDOW HEAD DETAIL, MASONRY CLADDING
VPS30-002: WINDOW JAMB DETAIL, MASONRY CLADDING
VPS30-003: WINDOW SILL DETAIL, MASONRY CLADDING
VPS30-003 (3D-1): WINDOW FLASHING SEQUENCE, SHEET-APPLIED FLASHING
VPS30-003 (3D-2): SHEET-APPLIED FLASHING PRESTRIP

**BASE OF WALL DETAILS AT MASONRY CLADDING**

VPS30-004: BASE-OF-WALL DETAIL, MASONRY CLADDING
VPS30-004 (3D-1): BASE-OF-WALL FLASHING SEQUENCE [OPT. 1], MASONRY CLADDING
VPS30-004 (3D-2): BASE-OF-WALL FLASHING SEQUENCE [OPT. 2], MASONRY CLADDING
VPS30-004 (ALT 1): BASE-OF-WALL DETAIL [ALTERNATE 1], MASONRY CLADDING
VPS30-004 (ALT 2): BASE-OF-WALL DETAIL [ALTERNATE 2], MASONRY CLADDING

**LEDGER DETAILS AT MASONRY CLADDING**

VPS30-005: FLOOR LINE DETAIL, MASONRY CLADDING
VPS30-005 (3D-1): FLOOR LINE FLASHING SEQUENCE [OPT. 1], MASONRY CLADDING
VPS30-005 (3D-2): FLOOR LINE FLASHING SEQUENCE [OPT. 2], MASONRY CLADDING
VPS30-006A: MASONRY ANCHOR DETAIL, CMU SUBSTRATE
VPS30-006B: MASONRY ANCHOR DETAIL, FRAMED SUBSTRATE

**PARAPET DETAILS AT MASONRY CLADDING**

VPS30-007: PARAPET DETAIL, MASONRY CLADDING

**EXPANSION AND CONTROL JOINT DETAILS**

VPS30-008: EXPANSION JOINT DETAIL
VPS30-009: CONTROL JOINT DETAIL

**WINDOW DETAILS AT NON-MASONRY CLADDING**

VPS30-010: WINDOW HEAD DETAIL, NON-MASONRY CLADDING
VPS30-011: WINDOW JAMB DETAIL, NON-MASONRY CLADDING
VPS30-012: WINDOW SILL DETAIL, NON-MASONRY CLADDING

**NON-MASONRY CLADDING DETAILS**

VPS30-013: FLOOR LINE DETAIL, NON-MASONRY CLADDING
VPS30-014: CONCRETE STEM WALL DETAIL, NON-MASONRY CLADDING
VPS30-015: BASE-OF-WALL DETAIL AT GRADE, NON-MASONRY CLADDING
VPS30-016: BASE-OF-WALL DETAIL, NON-MASONRY CLADDING
VPS30-017 (ALT): INSIDE CORNER DETAIL [ALTERNATE], NON-MASONRY CLADDING
VPS30-018: OUTSIDE CORNER DETAIL, NON-MASONRY CLADDING
VPS30-018 (ALT): OUTSIDE CORNER DETAIL [ALTERNATE], NON-MASONRY CLADDING
VPS30-019: KNIFEPLATE PENETRATION DETAIL, NON-MASONRY CLADDING
VPS30-020: PENETRATION DETAILS, NON-MASONRY CLADDING

**CURTAINWALL DETAILS AT NON-MASONRY CLADDING**

VPS30-021: CURTAINWALL HEAD DETAIL, NON-MASONRY CLADDING
VPS30-022: CURTAINWALL JAMB DETAIL, NON-MASONRY CLADDING
VPS30-023: CURTAINWALL SILL DETAIL, NON-MASONRY CLADDING

**DEFLECTION JOINT**

VPS30-024: DEFLECTION JOINT, NON-MASONRY CLADDING

LIST OF DRAWINGS

PERM-A-BARRIER® VPS 30
1. PERM-A-BARRIER® VPS 30 MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS30-006)
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* (Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING* products)
10. 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.

*General Conditions

WINDOW HEAD DETAIL - MASONRY CLADDING
PERM-A-BARRIER® VPS 30

DRAWING: VPS30-001
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.
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 30 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 30**

**DRAWING:** VPS30-003

**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.

**GENERAL NOTES**

1. SHEATHING SUBSTRATE

2. **PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING** - **PRIME SUBSTRATE WHERE REQUIRED; SEE VPS30-003 (3D-2)**

3. **BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT** - **1-INCH TROWELED BEAD**

4. **PERM-A-BARRIER® VPS 30 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_

**DRAWING:** VPS30-003 (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.

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LEGEND

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

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WINDOW PRESTRIP VARIATIONS

A. WITHOUT BACK DAM ANGLE

**STEP 1**

**STEP 2**

**STEP 3**

SEE DETAIL A (RIGHT)

B. WITH BACK DAM ANGLE

**STEP 1**

**STEP 2**

**STEP 3**

SEE DETAIL B (RIGHT)

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DRAWING: VPS30-003 (3D-2)

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

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SHEET-APPLIED FLASHING PRESTRIP

PERM-A-BARRIER® VPS 30
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 30 MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS30-006)
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.

SEE VPS30-004 (OPTION 1) FOR 2D DETAIL

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

PERM-A-BARRIER® VPS 30
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.

BASE OF WALL DETAIL (ALTERNATE 1) - MASONRY CLADDING

PERM-A-BARRIER® VPS 30
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 30**

**LEGEND**
1. PERM-A-BARRIER® VPS 30 MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS30-006)
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**

**DRAWING:** VPS30-004 (ALT 2)
**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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**FLOOR LINE DETAIL - MASONRY CLADDING**

PERM-A-BARRIER® VPS 30
LEGEND
1. PERM-A-BARRIER® VPS 30 MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPS30-006)
3. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT, 1-INCH TROELED 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.
4. *Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING* products.

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

DRAWING: VPS30-005 (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 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 30 MEMBRANE
2. PERM-A-BARRIER® S100, BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT FILLET SURROUNDING WIRE TIE PENETRATION

MASONRY ANCHOR DETAIL - CMU SUBSTRATE

PERM-A-BARRIER® VPS 30

DRAWING: VPS30-006A

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.

LEGEND

1. PERM-A-BARRIER® VPS 30 MEMBRANE
2. ROOF MEMBRANE AND ROOF DETAILS
3. SEE CONTROL JOINT DETAIL VPS30-009
4. MASONRY WEEP/VENT

NOTE

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

PARAPET DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS 30

DRAWING: VPS30-007

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.

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

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 30 MEMBRANE**

5. **PERM-A-BARRIER® SELF-ADHERED FLASHING* INVERTED STRIP**

DRAWING: VPS30-008

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. BACKER ROD AND COMPATIBLE SEALANT
2. PERM-A-BARRIER® VPS 30 MEMBRANE

NOTE

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

PERSPECTIVE VIEW

CONTROL JOINT DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPS 30

DRAWING: VPS30-009
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.

**WINDOW HEAD DETAIL - NON-MASONRY CLADDING**

PERM-A-BARRIER® VPS 30

**LEGEND**

1. **PERM-A-BARRIER® VPS 30 MEMBRANE**

2. **CLADDING ATTACHMENT, CONFIRM DETAILING REQUIREMENTS WITH THE GCP AT 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**

**OPTION 2**

**DRAWING:** VPS30-010

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

**SUPERCEDES:** NEW
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

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 30

DRAWING: VPS30-011
SCALE: 3" = 1'
EFFECTIVE DATE: 2020.05.21
SUPERCEDES: NEW
OPTION 1

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 30 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.
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 30 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.

NOTE

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

LEGEND

1. PERM-A-BARRIER® VPS 30 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

CONCRETE STEM WALL DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS 30
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.

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.

LEGEND

1. PERM-A-BARRIER® SELF-ADHERED FLASHING*. PRIME SUBSTRATE WHERE REQUIRED

2. PERM-A-BARRIER® VPS 30 MEMBRANE

3. CLADDING ATTACHMENT - DETAIL PER GCPAT REQUIREMENTS

INSIDE CORNER DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS 30

DRAWING: VPS30-017

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

PERM-A-BARRIER® VPS 30
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 30**
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 30 MEMBRANE
2. CLADDING ATTACHMENT - DETAIL PER GCPAT REQUIREMENTS

OUTSIDE CORNER DETAIL (ALTERNATE) - NON-MASONRY CLADDING

PERM-A-BARRIER® VPS 30

DRAWING: VPS30-018 (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.
LEGEND
1. PERM-A-BARRIER® VPS 30 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.
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 30 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

CURTAINWALL JAMB DETAIL
PERM-A-BARRIER® VPS 30

DRAWING: VPS30-022
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.

DRAWING: VPS30-023
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.