### 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**

<table>
<thead>
<tr>
<th>DRAWING</th>
<th>DETAIL</th>
<th>CLADDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPO-001</td>
<td>WINDOW HEAD DETAIL</td>
<td>MASONRY CLADDING</td>
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<tr>
<td>VPO-002</td>
<td>WINDOW JAMB DETAIL</td>
<td>MASONRY CLADDING</td>
</tr>
<tr>
<td>VPO-003</td>
<td>WINDOW SILL DETAIL</td>
<td>MASONRY CLADDING</td>
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<tr>
<td>VPO-003 (3D-1)</td>
<td>WINDOW FLASHING SEQUENCE</td>
<td>SHEET-APPLIED FLASHING</td>
</tr>
<tr>
<td>VPO-003 (3D-2)</td>
<td>SHEET-APPLIED FLASHING PRESTRIP</td>
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<tr>
<td>VPO-003 (3D-3)</td>
<td>WINDOW FLASHING SEQUENCE</td>
<td>LIQUID-APPLIED FLASHING</td>
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**BASE OF WALL DETAILS AT MASONRY CLADDING**

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<thead>
<tr>
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<th>CLADDING</th>
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</thead>
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<tr>
<td>VPO-004</td>
<td>BASE-OF-WALL DETAIL</td>
<td>MASONRY CLADDING</td>
</tr>
<tr>
<td>VPO-004 (3D-1)</td>
<td>BASE-OF-WALL FLASHING SEQ. [OPT. 1]</td>
<td>MASONRY CLADDING</td>
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<tr>
<td>VPO-004 (3D-2)</td>
<td>BASE-OF-WALL FLASHING SEQ. [OPT. 2]</td>
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<tr>
<td>VPO-004 (ALT 1)</td>
<td>BASE-OF-WALL DETAIL [ALTERNATE 1]</td>
<td>MASONRY CLADDING</td>
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<td>VPO-004 (ALT 2)</td>
<td>BASE-OF-WALL DETAIL [ALTERNATE 2]</td>
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**LENDER DETAILS AT MASONRY CLADDING**

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<tr>
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<tr>
<td>VPO-005</td>
<td>FLOOR LINE DETAIL</td>
<td>MASONRY CLADDING</td>
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<tr>
<td>VPO-005 (3D-1)</td>
<td>FLOOR LINE FLASHING SEQ. [OPT. 1]</td>
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<tr>
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<td>VPO-006A</td>
<td>MASONRY ANCHOR DETAIL</td>
<td>CMU SUBSTRATE</td>
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<td>VPO-006B</td>
<td>MASONRY ANCHOR DETAIL</td>
<td>FRAMED SUBSTRATE</td>
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**PARAPET DETAILS AT MASONRY CLADDING**

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<tr>
<td>VPO-007</td>
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<td>VPO-007 (ALT)</td>
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**EXPANSION AND CONTROL JOINT DETAILS**

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<tr>
<td>VPO-008</td>
<td>EXPANSION JOINT DETAIL</td>
<td>MASONRY CLADDING</td>
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<tr>
<td>VPO-009A</td>
<td>CONTROL JOINT DETAIL</td>
<td>MASONRY CLADDING</td>
</tr>
<tr>
<td>VPO-009B</td>
<td>SHEATHING JOINT TREATMENT</td>
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**WINDOW DETAILS AT NON-MASONRY CLADDING**

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<tr>
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<tr>
<td>VPO-010</td>
<td>WINDOW HEAD DETAIL</td>
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<tr>
<td>VPO-011</td>
<td>WINDOW JAMB DETAIL</td>
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</tr>
<tr>
<td>VPO-012</td>
<td>WINDOW SILL DETAIL</td>
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**NON-MASONRY CLADDING DETAILS**

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<td>VPO-013</td>
<td>FLOOR LINE DETAIL</td>
<td>NON-MASONRY CLADDING</td>
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<tr>
<td>VPO-014</td>
<td>CONCRETE STEM WALL DETAIL</td>
<td>NON-MASONRY CLADDING</td>
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<tr>
<td>VPO-015</td>
<td>BASE-OF-WALL DETAIL</td>
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<td>VPO-016</td>
<td>INSIDE CORNER DETAIL</td>
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<td>VPO-017</td>
<td>OUTSIDE CORNER DETAIL</td>
<td>NON-MASONRY CLADDING</td>
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<td>VPO-018</td>
<td>KNIFEPLATE PENETRATION DETAIL</td>
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</tr>
<tr>
<td>VPO-019</td>
<td>PENETRATION DETAILS</td>
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**CURTAINWALL DETAILS AT NON-MASONRY CLADDING**

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<tr>
<td>VPO-020</td>
<td>CURTAINWALL HEAD DETAIL</td>
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<tr>
<td>VPO-021</td>
<td>CURTAINWALL JAMB DETAIL</td>
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<tr>
<td>VPO-022</td>
<td>CURTAINWALL SILL DETAIL</td>
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**DEFLECTION JOINT**

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<tr>
<td>VPO-023</td>
<td>DEFLECTION JOINT</td>
<td>NON-MASONRY CLADDING</td>
</tr>
</tbody>
</table>

**LIST OF DRAWINGS**

**PERM-A-BARRIER® VPO AIR BARRIER SYSTEM**

<table>
<thead>
<tr>
<th>DRAWING</th>
<th>SCALE: 3&quot; = 1'</th>
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</thead>
<tbody>
<tr>
<td>VPO-000</td>
<td>EFFECTIVE DATE: 2020.05.21</td>
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<tr>
<td>VPO-000</td>
<td>SUPERCEDES: NEW</td>
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</table>
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

WINDOW JAMBO DETAIL - MASONRY CLADDING

PERM-A-BARRIER® VPO
AIR BARRIER SYSTEM
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.
1. SHEATHING SUBSTRATE
2. PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED (SEE DRAWING VPO-003 (3D-2) FOR MORE INFORMATION)
3. JOINT TREATMENT PER DETAIL VPO-009B
4. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
5. CORNER PATCH
6. PERM-A-BARRIER® VPO
7. WINDOW PER ARCH
8. SHEET METAL HEAD 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
- 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® VPO

DRAWING: VPO-003 (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

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

DRAWING: VPO-003 (3D-2)
SCALE: 3" = 1'
EFFECTIVE DATE: 2020.05.21
SUPERCEDES: NEW
1. SHEATHING SUBSTRATE
2. PERM-A-BARRIER® PRIMER AT ALL EXPOSED GYPSUM SHEATHING EDGES
3. JOINT TREATMENT PER DETAIL VPO-009B
4. GCP APPROVED SEALANT AT ALL TRANSITIONS BETWEEN FRAMING AND SHEATHING
5. PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED (SEE STEP 1 OF DRAWING VPO-003 (3D-2))
6. CORNER PATCH
7. PERM-A-BARRIER® VPO
8. WINDOW PER ARCH
9. SHEET METAL HEAD FLASHING PER ARCH
10. PERM-A-BARRIER® S100 SEALANT

NOTE
- CONTINUOUS AIR AND WATER SEAL AT PERIMETER OF FENESTRATION, FENESTRATION ATTACHMENT, AND DRAINAGE OF ROUGH OPENING TO BE PER PROJECT SPECIFIC 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.
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*Refer to air barrier system product data sheet for acceptable self-adhered flashing products.
OPTION 1

SEE VPO-004 (3D-1) 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.

PERM-A-BARRIER® VPO AIR BARRIER SYSTEM

BASE-OF-WALL DETAIL - MASONRY CLADDING

LEGEND

1. PERM-A-BARRIER® VPO
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPO-006)
3. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
4. PERM-A-BARRIER® SELF-ADHERED FLASHING® - PRIME SUBSTRATE WHERE REQUIRED
5. PERM-A-BARRIER® WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED
6. BELOW GRADE WATERPROOFING SYSTEM - SEE GCPAT.COM
7. SHEET METAL FLASHING PER ARCH
8. GROUT SOLID TO HEIGHT OF CURB - SLOPE TOP
9. MASONRY WEEP/VENT

OPTION 2

SEE VPO-004 (3D-2) FOR 3D DETAIL
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® VPO
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPO-006)
3. PERM-A-BARRIER® S100 SEALANT
4. PERM-A-BARRIER® WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED
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 2) - MASONRY CLADDING

PERM-A-BARRIER® VPO
AIR BARRIER SYSTEM

DRAWING: VPO-004 (3D-2)
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.*

**BASE-OF-WALL DETAIL (ALTERNATE 1) - MASONRY CLADDING**

**PERM-A-BARRIER® VPO AIR BARRIER SYSTEM**

**DRAWING:** VPO-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.

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

**NOTE**
- CONSULT GCP FOR BELOW GRADE WATERPROOFING COMPATIBILITY AND CONNECTION

**LEGEND**
1. PERM-A-BARRIER® VPO
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPO-006)
3. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
4. PERM-A-BARRIER® WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED
5. SHEET METAL FLASHING PER ARCH
6. 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 DETAIL (ALTERNATE 2) - MASONRY CLADDING**

**DRAWING:** VPO-004 (ALT 2)

**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**

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

SEE VPO-005 (OPTION 1) FOR 2D DETAIL

LEGEND

1. PERM-A-BARRIER® VPO
2. MASONRY ANCHOR DETAILING (SEE DRAWING VPO-006)
3. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
4. MORTAR COLLECTION MESH
5. PERM-A-BARRIER® WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED
6. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
7. MASONRY WEEP/VENT
8. SHEET METAL FLASHING PER ARCH

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

NEW

DRAWING: VPO-005 (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.

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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® VPO**
2. **MASONRY ANCHOR DETAILING (SEE DRAWING VPO-006)**
3. **PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE 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**

SEE VPO-005 (OPTION 2) FOR 2D DETAIL

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

**PERM-A-BARRIER® VPO AIR BARRIER SYSTEM**

**DRAWING:** VPO-005 (3D-2)

**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.

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_MASONRY ANCHOR DETAILING - CMU SUBSTRATE_

PERM-A-BARRIER® VPO
AIR BARRIER SYSTEM

**NOTE**

- ALL CMU JOINTS TO BE STRUCK FULL AND FLUSH

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*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.

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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.
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.*

NOTE

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

**LEGEND**

1. PERM-A-BARRIER® VPO
2. ROOF MEMBRANE AND ROOF DETAILS
3. PERM-A-BARRIER® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED
4. MASONRY ANCHOR DETAILING (SEE DRAWING VPO-006)
5. MASONRY WEEP/VENT

**DRAWING:** VPO-007 (ALT)

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

**SUPERCEDES:** NEW
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® - PRIME SUBSTRATE WHERE REQUIRED

3. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD

4. PERM-A-BARRIER® VPO

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

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: VPO-008

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW

PERM-A-BARRIER® VPO
AIR BARRIER SYSTEM
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 TO CONFIRM SEALANT COMPATIBILITY

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**GENERAL NOTES**

**DRAWING:** VPO-009A
**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. 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.*

**GENERAL NOTES**

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

**LEGEND**

1. **PERM-A-BARRIER® VPO**
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. **PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD**
4. **PERM-A-BARRIER® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED**
5. SHEET METAL FLASHING PER ARCH

**DRAWING:** VPO-010  
**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.
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**

**WINDOW SILL DETAIL - NON-MASONRY CLADDING**

**DRAWING:** VPO-012

**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**

**FLOOR LINE DETAIL - NON-MASONRY CLADDING**

**LEGEND**

1. **PERM-A-BARRIER**® VPO
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. **PERM-A-BARRIER**® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
4. **PERM-A-BARRIER**® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED
5. SHEET METAL FLASHING PER ARCH

**DRAWING:** VPO-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.

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

LEGEND

1. PERM-A-BARRIER® VPO
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
4. PERM-A-BARRIER® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED
5. TWO-PIECE SHEET METAL FLASHING PER ARCH

NOTE

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

CONCRETE STEM WALL DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPO
AIR BARRIER SYSTEM

DRAWING: VPO-014
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**

**NOTE**
- CONSULT GCP FOR HORIZONTAL WATERPROOFING COMPATIBILITY AND CONNECTION

**LEGEND**
1. PERM-A-BARRIER® VPO
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
4. PERM-A-BARRIER® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED
5. SHEET METAL FLASHING PER ARCH
6. TERMINATION PER HORIZONTAL WATERPROOFING SYSTEM MANUFACTURER
7. HORIZONTAL WATERPROOFING SYSTEM - SEE GCPAT.COM

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

**PERM-A-BARRIER® VPO AIR BARRIER SYSTEM**

**SUPERCEDES:** NEW

**DRAWING:** VPO-015

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21
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.

**NOTES**

- REFER TO TL-0002, TECHNICAL LETTER 2 FOR PREPARING SHEATHING PANEL JOINTS

**DRAWING:** VPO-016

**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

- REFER TO TL-0002, TECHNICAL LETTER 2 FOR PREPARING SHEATHING PANEL JOINTS
- AT CMU OR CAST-IN-PLACE CONCRETE CONSTRUCTION, SELF ADHERED FLASHING AT OUTSIDE CORNERS IS OPTIONAL PROVIDED SUBSTRATE ALLOWS FOR CONTINUOUS AND REQUIRED SYSTEM THICKNESS

OUTSIDE CORNER DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® VPO AIR BARRIER SYSTEM

DRAWING: VPO-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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**KNIFEPLATE PENETRATION DETAIL - NON-MASONRY CLADDING**

**PERM-A-BARRIER® VPO AIR BARRIER SYSTEM**

**DRAWING:** VPO-018

**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.
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**

**PERM-A-BARRIER® VPO AIR BARRIER SYSTEM**

**LEGEND**

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

**CURTAINWALL JAMB DETAIL - NON-MASONRY CLADDING**

**DRAWING:** VPO-021

**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 FONTS. Install components per manufacturer and project specific requirements.

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

GENERAL NOTES

CURTAINWALL SILL DETAIL - NON-MASONRY CLADDING

DRAWING: VPO-022
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.