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® NPL 10
2. MASONRY ANCHOR DETAILING (SEE DRAWING NPL-006)
3. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
4. PERM-A-BARRIER® WALL FLASHING (STAR CUT AT BOLT) - PRIME SUBSTRATE WHERE REQUIRED
5. MORTAR COLLECTION MESH
6. MASONRY WEEP/VENT
7. PERM-A-BARRIER® S100 SEALANT AROUND FASTENER
8. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
9. SHEET METAL FLASHING PER ARCH
10. PERM-A-BARRIER® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED
11. INTERIOR AIR BARRIER SEALANT OVER BACKER ROD AT WINDOW PERIMETER

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.

4. 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.
1. SHEATHING SUBSTRATE
2. PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED (SEE DRAWING NPL-003 (3D-2) FOR MORE INFORMATION)
3. JOINT TREATMENT PER DETAIL NPL-009B
4. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
5. CORNER PATCH
6. PERM-A-BARRIER® NPL 10
7. WINDOW PER ARCH
8. SHEET METAL HEAD FLASHING PER ARCH.

**LEGEND**

1. SHEATHING SUBSTRATE
2. PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED (SEE DRAWING NPL-003 (3D-2) FOR MORE INFORMATION)
3. JOINT TREATMENT PER DETAIL NPL-009B
4. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
5. CORNER PATCH
6. PERM-A-BARRIER® NPL 10
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.

**WINDOW FLASHING SEQUENCE - SHEET-APPLIED FLASHING**

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

<table>
<thead>
<tr>
<th>DRAWING:</th>
<th>NPL-003 (3D-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCALE:</td>
<td>3&quot; = 1'</td>
</tr>
<tr>
<td>EFFECTIVE DATE:</td>
<td>2020.05.21</td>
</tr>
<tr>
<td>SUPERCEDES:</td>
<td>NEW</td>
</tr>
</tbody>
</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.

**GENERAL NOTES**

**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 O/ END DAM
- BACK DAM ANGLE HEIGHT PER ARCH
- CUT LINES SHOWN DASHED
- FOLD LINES SHOWN SOLID

**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:** NPL-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 NPL-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 NPL-003 (3D-2))
6. CORNER PATCH
7. PERM-A-BARRIER® NPL 10
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.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in BOLDFACE font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

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

WINDOW FLASHING SEQUENCE - LIQUID-APPLIED FLASHING

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

DRAWING: NPL-003 (3D-3)
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.
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. **PERM-A-BARRIER® NPL 10**
2. MASONRY ANCHOR DETAILING (SEE DRAWING NPL-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

---

**LEGEND**

 SEE NPL-004 (OPTION 2) FOR 2D 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.*

**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® NPL 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.*

---

**LEGEND**

1. PERM-A-BARRIER® NPL 10
2. MASONRY ANCHOR DETAILING (SEE DRAWING NPL-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**

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

**DRAWING:** NPL-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.

FLOOR LINE DETAIL - MASONRY CLADDING

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

DRAWING: NPL-005
SCALE: 3" = 1'
EFFECTIVE DATE: 2020.05.21
SUPERCEDES: NEW
1. PERM-A-BARRIER® NPL 10
2. MASONRY ANCHOR DETAILING (SEE DRAWING NPL-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

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.
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**
- *ALL CMU JOINTS TO BE STRUCK FULL AND FLUSH*
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**

**MASONRY ANCHOR DETAILING - FRAMED SUBSTRATE**

PERM-A-BARRIER® NPL 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.

LEGEND
1. PERM-A-BARRIER® NPL 10
2. ROOF MEMBRANE AND ROOF DETAILS
3. MASONRY ANCHOR DETAILING (SEE DRAWING NPL-006)
4. MASONRY WEEP/VENT

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

GENERAL NOTES

PARAPET DETAIL - MASONRY CLADDING

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

DRAWING: NPL-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.*

---

**GENERAL NOTES**

**LEGEND**

1. PERM-A-BARRIER® NPL 10
2. ROOF MEMBRANE AND ROOF DETAILS
3. PERM-A-BARRIER® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED
4. MASONRY ANCHOR DETAILING (SEE DRAWING NPL-006)
5. MASONRY WEEP/VENT

**NOTE**

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

**DRAWING:** NPL-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® NPL 10**

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.

---

**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®** - PRIME SUBSTRATE WHERE REQUIRED

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

4. **PERM-A-BARRIER® NPL 10**

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

SHEATHING JOINT TREATMENT

PERM-A-BARRIER® NPL 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.

**NEW**

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

**DRAWING:** NPL-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**

**LEGEND**

1. PERM-A-BARRIER® NPL 10
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

**WINDOW JAMB DETAIL - NON-MASONRY CLADDING**

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

| DRAWING: | NPL-011 |
| 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

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

CONCRETE STEM WALL DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

DRAWING: NPL-014
SCALE: 3" = 1'
EFFECTIVE DATE: 2020.05.21
SUPERCEDES: NEW
1. PERM-A-BARRIER® NPL 10
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

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.

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

GENERAL NOTES

INSIDE CORNER DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

DRAWING: NPL-016
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**

OUTSIDE CORNER DETAIL - NON-MASONRY CLADDING

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

**LEGEND**

1. PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED
2. PERM-A-BARRIER® NPL 10
3. CLADDING ATTACHMENT, DETAIL PER GCPAT REQUIREMENTS
4. JOINT TREATMENT PER DRAWING NPL-009B

**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

**REFERENCE**

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

**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.
OPTION 1

3" MIN.

1. PERM-A-BARRIER® NPL 10
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. 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.

CURTAINWALL HEAD DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

DRAWING: NPL-020
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® NPL 10
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

SEE DETAIL OPTION (RIGHT)

CURTAINWALL JAMB DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® NPL AIR BARRIER SYSTEM

DRAWING: NPL-021
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.

---

**CURTAINWALL SILL DETAIL - NON-MASONRY CLADDING**

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

**LEGEND**

1. CURTAINWALL SILL
2. INTERIOR AIR SEALANT OVER BACKER ROD
3. SHEET METAL FLASHING
4. PERM-A-BARRIER® SELF-ADHERED FLASHING* - PRIME SUBSTRATE WHERE REQUIRED
5. PERM-A-BARRIER® NPL 10
6. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE

**DRAWING:** NPL-022

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

**SUPERCEDES:** NEW
1. PERM-A-BARRIER® NPL 10
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 SEALANT - 1-INCH WIDE TROWELED BEAD
6. CLADDING ATTACHMENT, CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE

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

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

DEFLECTION JOINT
PERM-A-BARRIER® NPL AIR BARRIER SYSTEM