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.

OPTION 1
1. PERM-A-BARRIER® NPS MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING NPS-006)
3. BITUTHENE MASTIC, BITUTHENE LIQUID MEMBRANE, OR GCP APPROVED SEALANT - 1-INCH 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, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE
8. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
9. SHEET METAL FLASHING PER ARCH
10. PERM-A-BARRIER® SELF-ADHERED FLASHING*

OPTION 2

WINDOW HEAD DETAIL - MASONRY CLADDING

PERM-A-BARRIER® NPS MEMBRANE

DRAWING: NPS-001

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW
1. PERM-A-BARRIER® NPS MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING NPS-006)
3. PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE AROUND FASTENER IF REQUIRED
4. PERM-A-BARRIER® SELF-ADHERED FLASHING*
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.
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 NPS-003 (3D-2)
3. PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE - 1-INCH TROWELED BEAD
4. PERM-A-BARRIER® NPS MEMBRANE
5. WINDOW PER ARCH

LEGEND

STEP 1
STEP 2
STEP 3
STEP 4
STEP 5

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® NPS MEMBRANE

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

**GENERAL NOTES**

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.

2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.

3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in **GRAY FONT**. Install components per manufacturer and project specific requirements.

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

**PERM-A-BARRIER® NPS MEMBRANE**

**DRAWING:** NPS-004 (3D-1)

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

**SUPERCEDES:** NEW
PERM-A-BARRIER® NPS MEMBRANE

2. MASONRY ANCHOR DETAILING (SEE DRAWING NPS-006)
3. PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE - 1-INCH TROWELED BEAD
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® NPS MEMBRANE

DRAWING: NPS-004 (3D-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.

LEGEND

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

BASE OF WALL DETAIL (ALTERNATE 1) - MASONRY CLADDING

PERM-A-BARRIER® NPS MEMBRANE

DRAWING: NPS-004 (ALT 1)
SCALE: 3" = 1'
EFFECTIVE DATE: 2020.05.21
SUPERCEDES: NEW
1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.

2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.

3. GCP products are indicated in the detail legend in BOLDFACE font. Detail components by others are indicated in GRAY FONT. Install components per manufacturer and project specific requirements.

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

1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.

2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.

3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in **GRAY FONT**. Install components per manufacturer and project specific requirements.

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

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**LEGEND**

1. **PERM-A-BARRIER® NPS MEMBRANE**

2. **MASONRY ANCHOR DETAILING (SEE DRAWING NPS-006)**

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

4. MORTAR COLLECTION MESH

5. **PERM-A-BARRIER® WALL FLASHING (STAR CUT AT BOLT), PRIME SUBSTRATE WHERE REQUIRED**

6. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL

7. SHEET METAL FLASHING PER ARCH

8. **PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE**

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**FLOOR LINE DETAIL - MASONRY CLADDING**

**PERM-A-BARRIER® NPS MEMBRANE**

**DRAWING:** NPS-005

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

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

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 NPS-005 (OPTION 1) FOR 2D DETAIL
1. PERM-A-BARRIER® NPS MEMBRANE
2. MASONRY ANCHOR DETAILING (SEE DRAWING NPS-006)
3. PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE - 1-INCH TROWELED BEAD
4. MORTAR COLLECTION MESH
5. PERM-A-BARRIER® WALL FLASHING, PRIME SUBSTRATE WHERE REQUIRED
6. CONTINUOUS SHELF ANGLE SUPPORT PER STRUCTURAL
7. SHEET METAL FLASHING PER ARCH

GENERAL NOTES

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

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

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

PERM-A-BARRIER® NPS MEMBRANE

DRAWING: NPS-005 (3D-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.

NOTE
- ALL CMU JOINTS TO BE STRUCK FULL AND FLUSH

LEGEND
1. PERM-A-BARRIER® NPS MEMBRANE
2. PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE FILLET SURROUNDING WIRE TIE PENETRATION
GENERAL NOTES
1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.
2. Install all GCP products in accordance with GCP Product Data Sheets and GCP recommendations.
3. GCP products are indicated in the detail legend in **BOLDFACE** font. Detail components by others are indicated in **GRAY FONT**. Install components per manufacturer and project specific requirements.

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

LEGEND
1. PERM-A-BARRIER® NPS MEMBRANE
2. PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE AROUND FASTENER AT FRONT AND BACK FACE OF MASONRY ANCHOR

PERSPECTIVE VIEW

SECTION VIEW

MASONRY ANCHOR DETAIL - FRAMED SUBSTRATE

PERM-A-BARRIER® NPS MEMBRANE

DRAWING: NPS-006B
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. 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, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE - 1-INCH TROWELED BEAD

4. PERM-A-BARRIER® NPS MEMBRANE

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

NOTE

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

REFERENCES

EXPANSION JOINT DETAIL - MASONRY CLADDING

PERM-A-BARRIER® NPS MEMBRANE

DRAWING: NPS-008

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW
1. BACKER ROD AND COMPATIBLE SEALANT
2. PERM-A-BARRIER® NPS MEMBRANE

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: NPS-009
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.
OPTION 1

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® NPS 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

FLOOR LINE DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® NPS MEMBRANE

DRAWING: NPS-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.

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® NPS MEMBRANE

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

NOTE
- CONSULT GCP FOR HORIZONTAL WATERPROOFING COMPATIBILITY AND CONNECTION

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

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

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GENERAL NOTES

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**OUTSIDE CORNER DETAIL - NON-MASONRY CLADDING**

PERM-A-BARRIER® NPS MEMBRANE

**DRAWING:** NPS-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.
1. PERM-A-BARRIER® NPS MEMBRANE
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
4. KNIFE PLATE PENETRATION
5. POLYURETHANE SEALANT OR NON-SHRINK GROUT PER BACKUP WALL TYPE
6. JOINT TREATMENT PER DETAIL NPS-009

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.

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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.

**PERM-A-BARRIER® NPS MEMBRANE**

**CURTAINWALL HEAD DETAIL**

**LEGEND**

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

**DRAWING:** NPS-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 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. CURTAINWALL SILL OVER MANUFACTURER'S STARTER TRACK
2. INTERIOR AIR SEALANT OVER BACKER ROD
3. PERM-A-BARRIER® S100, PERM-A-BARRIER® LIQUID FLASHING, BITUTHENE MASTIC, OR BITUTHENE LIQUID MEMBRANE - 1-INCH TROWELED BEAD
4. PERM-A-BARRIER® SELF-ADHERED FLASHING*
5. PERM-A-BARRIER® NPS MEMBRANE
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.
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*Refer to air barrier system product data sheet for acceptable SELF-ADHERED FLASHING* products.