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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### LIST OF DRAWINGS

#### WINDOW DETAILS AT MASONRY CLADDING

- PLQ-001 WINDOW HEAD DETAIL
- PLQ-002 WINDOW JAMB DETAIL
- PLQ-003 WINDOW SILL DETAIL
- PLQ-003 (3D-1) WINDOW FLASHING SEQUENCE
- PLQ-003 (3D-2) SHEET-APPLIED FLASHING
- PLQ-003 (3D-3) WINDOW FLASHING SEQUENCE

#### BASE OF WALL DETAILS AT MASONRY CLADDING

- PLQ-004 BASE-OF-WALL DETAIL
- PLQ-004 (3D-1) BASE-OF-WALL FLASHING SEQ. [OPT. 1]
- PLQ-004 (3D-2) BASE-OF-WALL FLASHING SEQ. [OPT. 2]
- PLQ-004 (ALT 1) BASE-OF-WALL DETAIL [ALTERNATE 1]
- PLQ-004 (ALT 2) BASE-OF-WALL DETAIL [ALTERNATE 2]

#### LEDGER DETAILS AT MASONRY CLADDING

- PLQ-005 FLOOR LINE DETAIL
- PLQ-005 (3D-1) FLOOR LINE FLASHING SEQ. [OPT. 1]
- PLQ-005 (3D-2) FLOOR LINE FLASHING SEQ. [OPT. 2]
- PLQ-006A MASONRY ANCHOR DETAIL
- PLQ-006B MASONRY ANCHOR DETAIL

#### PARAPET DETAILS AT MASONRY CLADDING

- PLQ-007 PARAPET DETAIL
- PLQ-007 (ALT) PARAPET DETAIL

#### EXPANSION AND CONTROL JOINT DETAILS

- PLQ-008 EXPANSION JOINT DETAIL
- PLQ-009A CONTROL JOINT DETAIL
- PLQ-009B SHEATHING JOINT TREATMENT

#### WINDOW DETAILS AT NON-MASONRY CLADDING

- PLQ-010 WINDOW HEAD DETAIL
- PLQ-011 WINDOW JAMB DETAIL
- PLQ-012 WINDOW SILL DETAIL

#### NON-MASONRY CLADDING DETAILS

- PLQ-013 FLOOR LINE DETAIL
- PLQ-014 CONCRETE STEM WALL DETAIL
- PLQ-015 BASE-OF-WALL DETAIL
- PLQ-016 INSIDE CORNER DETAIL
- PLQ-017 OUTSIDE CORNER DETAIL
- PLQ-018 KNIFEPLATE PENETRATION DETAIL
- PLQ-019 PENETRATION DETAILS

#### CURTAINWALL DETAILS AT NON-MASONRY CLADDING

- PLQ-020 CURTAINWALL HEAD DETAIL
- PLQ-021 CURTAINWALL JAMB DETAIL
- PLQ-022 CURTAINWALL SILL DETAIL

#### DEFLECTION JOINT

- PLQ-023 DEFLECTION JOINT

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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.*

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**LIST OF DRAWINGS**

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

**DRAWING:** PLQ-000  
**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**

**WINDOW HEAD DETAIL - MASONRY CLADDING**

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

**DRAWING:** PLQ-001

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

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

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

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

*Refer to air barrier system product data sheet for acceptable self-adhered flashing products.
1. Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and water, air, and vapor control layers in the wall. Confirm membranes are suitable for project specific service temperatures. For assistance with exterior wall design, consult with a building science professional.

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

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

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

**GENERAL NOTES**

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

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

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

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

**WINDOW SILL DETAIL - MASONRY CLADDING**

**LEGEND**

1. NON-FLANGED WINDOW SYSTEM
2. INTERIOR AIR BARRIER SEALANT OVER BACKER ROD AT WINDOW PERIMETER
3. SHEET METAL FLASHING - SANDWICHED BETWEEN INTERMITTENT SHIMS
4. PERM-A-BARRIER® SELF-ADHERED FLASHING® - PRIME SUBSTRATE WHERE REQUIRED
5. PERM-A-BARRIER® LIQUID
6. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD

**OPTION 1**

**OPTION 2**

**OPTION 3**

**DRAWING:** PLQ-003

**SCALE:** 3" = 1'

**EFFECTIVE DATE:** 2020.05.21

**SUPERCEDES:** NEW
1. SHEATHING SUBSTRATE
2. PERM-A-BARRIER® DETAIL MEMBRANE, NPS DETAIL MEMBRANE, ALUMINUM FLASHING, OR WALL FLASHING - PRIME SUBSTRATE WHERE REQUIRED (SEE DRAWING PLQ-003 (3D-2) FOR MORE INFORMATION)
3. JOINT TREATMENT PER DETAIL PLQ-009B
4. PERM-A-BARRIER® S100 SEALANT - 1-INCH WIDE TROWELED BEAD
5. CORNER PATCH
6. PERM-A-BARRIER® LIQUID
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® LIQUID
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**
- **WINDOW PRESTRIP PERM-A-BARRIER® 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 over end dam
- Back dam angle height per arch
- Cut lines shown dashed
- Fold lines shown solid

**DRAWING:** PLQ-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 PLQ-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 PLQ-003 (3D-2))
6. CORNER PATCH
7. PERM-A-BARRIER® LIQUID
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 - PLQ-APPLIED FLASHING

PERM-A-BARRIER® LIQUID
AIR BARRIER SYSTEM

DRAWING: PLQ-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.

GENERAL NOTES

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

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

**LEGEND**

1. **PERM-A-BARRIER® LIQUID**
2. **MASONRY ANCHOR DETAILING (SEE DRAWING PLQ-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. **GROUT SOLID TO HEIGHT OF CURB - SLOPE TOP**
7. **BELOW GRADE WATERPROOFING SYSTEM - SEE GCPAT.COM**
8. **MASONRY WEEP/VENT**

*Refer to PLQ-004 (OPTION 1) 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.*
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.
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 2) - MASONRY CLADDING**

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

**LEGEND**

1. PERM-A-BARRIER® LIQUID
2. MASONRY ANCHOR DETAILING (SEE DRAWING PLQ-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

**NOTE**

- CONSULT GCP FOR BELOW GRADE WATERPROOFING COMPATIBILITY AND CONNECTION

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

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

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

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

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

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

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**GENERAL NOTES**

**LEGEND**

1. PERM-A-BARRIER® LIQUID
2. MASONRY ANCHOR DETAILING (SEE DRAWING PLQ-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

SEE PLQ-005 (OPTION 1) 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

**LEGEND**

1. PERM-A-BARRIER® LIQUID
2. MASONRY ANCHOR DETAILING (SEE DRAWING PLQ-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 PLQ-005 (OPTION 2) FOR 2D DETAIL

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

PERM-A-BARRIER® LIQUID 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.

**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

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 & ROOFING MANUFACTURER FOR COMPATIBILITY AND CONNECTION AT ROOF INTERFACE

DRAWING: PLQ-007
SCALE: 3" = 1'
EFFECTIVE DATE: 2020.05.21
SUPERCEDES: NEW
GENERAL NOTES

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

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

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

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

NOTE

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

LEGEND

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

PARAPET DETAIL (ALTERNATE) - MASONRY CLADDING

PERM-A-BARRIER® LIQUID AIR BARRIER SYSTEM
**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. Backer Rod and compatible sealant
2. Perm-A-BARRIER® Liquid

**GENERAL NOTES**

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

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

**NOTE**

- Consult GCP to confirm sealant compatibility

**CONTROL JOINT DETAIL**

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

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

WINDOW HEAD DETAIL - NON-MASONRY CLADDING
PERM-A-BARRIER® LIQUID
AIR BARRIER SYSTEM

DRAWING: PLQ-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.
OPTION 1

SEE DETAIL OPTIONS (RIGHT)

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

PERM-A-BARRIER® LIQUID
AIR BARRIER SYSTEM

DRAWING: PLQ-012

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW
GENERAL NOTES

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

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

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

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

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

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

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

NOTE

- CONSULT GCP FOR HORIZONTAL WATERPROOFING COMPATIBILITY AND CONNECTION

LEGEND

1. PERM-A-BARRIER® LIQUID
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® LIQUID
AIR BARRIER SYSTEM

DRAWING: PLQ-015
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**

**INSIDE CORNER DETAIL - NON-MASONRY CLADDING**

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

**LEGEND**

1. **PERM-A-BARRIER® S100 SEALANT** - 1-INCH WIDE TROWELED CANT BEAD
2. **PERM-A-BARRIER® LIQUID**
3. **CLADDING ATTACHMENT, DETAIL PER GCPAT REQUIREMENTS**
4. **JOINT TREATMENT PER DRAWING PLQ-009B**

**NOTE**

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

AIR BARRIER SYSTEM

DRAWING: PLQ-017

SCALE: 3" = 1'

EFFECTIVE DATE: 2020.05.21

SUPERCEDES: NEW
1. PERM-A-BARRIER® LIQUID
2. CLADDING ATTACHMENT - CONFIRM DETAILING REQUIREMENTS WITH THE GCPAT REPRESENTATIVE
3. PERM-A-BARRIER® S100 SEALANT, FLASHING AND CANT SEAL
4. KNIFE PLATE PENETRATION
5. GCP APPROVED SEALANT OR NON-SHRINK GROUT PER BACKUP WALL TYPE
6. JOINT TREATMENT PER DETAIL PLQ-009B

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® LIQUID**
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.

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**CURTAINWALL HEAD DETAIL - NON-MASONRY CLADDING**

**DRAWING:** PLQ-020

**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

CURTAINWALL JAMB DETAIL - NON-MASONRY CLADDING

PERM-A-BARRIER® LIQUID
AIR BARRIER SYSTEM

DRAWING: PLQ-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. PERM-A-BARRIER® LIQUID
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® LIQUID
AIR BARRIER SYSTEM