

SECTION 07 65 10

FLEXIBLE FLASHING/DRAINAGE SYSTEM

Date: 02aug08

PART 1 - GENERAL

1.01 SUMMARY

- A. Section includes combination flashing, mortar deflection, and weep as complete one step system. Using this system deletes requirement for mortar deflection devices, accessory metal drip edges, and may lessen requirements for weep spacing.
- B. Related sections:
 - 1. 04 05 23 Masonry Accessories.
 - 2. 04 21 13 Brick Masonry
 - 3. 04 22 00 Concrete Unit Masonry
 - 4. 04 22 23 Architectural Concrete Unit Masonry
 - 5. 04 42 00 Exterior Stone Cladding.
 - 6. 04 72 00 Cast Stone Masonry.
 - 7. 05 40 00 Cold Formed Metal Framing.
 - 8. 06 10 00 Rough Carpentry.
 - 9. 07 11 13 Bituminous Dampproofing.
 - 10. 07 27 00 Air Barriers.
 - 11. 07 60 00 Flashing and Sheet Metal.

1.02 REFERENCES

- A. Standards of the following as referenced:
 - 1. ASTM.
 - 2. Brick Industry Association (BIA).
 - 3. Copper Development Association, Inc. (CDA).
- B. Industry standards:
 - 1. *BIA Technical Notes on Brick Construction No. 7, Water Penetration Resistance- Design and Detailing*, August 2005.
 - 2. *BIA Technical Notes on Brick Construction No. 28B, Brick Veneer/Steel Stud Walls*, August 2005.

1.03 DEFINITIONS

- A. Terms:
 - 1. Cavity wall flashing: Same as flexible flashing.
 - 2. Foundation sill flashing: Same as flexible flashing.
 - 3. Flexible flashing: Water-proof material typically used in cavity wall construction to contain and assist in the proper water drainage that may penetrate wall system veneer. Other materials may be required to constitute the "system".
 - 4. Head and sill flashing: Same as flexible flashing.
 - 5. Through-wall flashing:
 - a. Generally considered the same as flexible flashing.
 - b. Rare definition referred to full width cap flashing under copings or wall caps.

1.04 SUBMITTALS

- A. Product data: Indicate material type, composition, thickness, and installation procedures.
- B. Samples: 3" by 5" flashing material.

C. Quality control submittals:

1. Certificates:
 - a. Indicate materials supplied or installed are asbestos free.
 - b. Indicate recycled content: 90% total recycled material; based on 80% Post Industrial Recycled Content and 10% Post Consumer Recycled Content.
 - c. When tested as manufactured, product resists growth of mold pursuant to test method ASTM ~~**D3273-94, **D3273-94~~ and may qualify for a LEED Innovation Credit based upon the environmental mitigation of mold and mildew hazards related to Indoor Air Quality (IAQ).~~**~~

1.05 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer: Provide flashing materials by single manufacturer with not less than ten years of experience in manufacturing flexible flashing products.

1.06 WARRANTY

A. Special warranty:

1. Manufacturer: Warrant flexible flashing/drainage system material for life of the wall.
2. Begin warranty at Date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURED UNITS

A. Copper core flexible flashing with wicking fabric:

1. Product standard of quality: York Manufacturing, Inc.; York® Flash-Vent™.
2. Characteristics:
 - a. Type: Copper core with non-asphalt adhesive glass fabric laminated to one copper face and non-woven wicking fabric laminated to opposing face with non-asphalt adhesive.
 - b. Copper type, ASTM B370-98: CDA Alloy 110, 060 temper.
 - c. Copper weights: Recommended by flashing manufacturer.
 - d. Fabrics:
 - 1) Fiberglass fabric; laminated back face copper core with core weight manufacturer identified on product with color coded laminate.
 - 2) Non-woven wicking fabric: Fabric laminated to front face.
 - e. Size: Manufacturer's standard width rolls.
 - f. Mastic/sealant: Manufacturer's standard for specified flashing.
 - g. Outside corner and splice material: York Multi-Flash.
3. Termination bar: Not required.

PART 3 - EXECUTION

3.01 INSTALLATION

A. General:

1. Install where indicated, specified, or required in accord with flashing manufacturer's written instructions and as follows.
 - a. Splicing material on material width to manufacture wider pieces is prohibited unless flashing detail requires material wider than normally manufactured.
 - b. Prohibited practice: Bonding or splicing copper to non-woven wicking fabric or non-woven wicking fabric to non-woven wicking fabric.
2. Extend flashing 6" minimum, beyond opening, each side without stretching flashing material. Fold flashing ends at end of openings or horizontal flashing terminations to form end dam.
3. Flashing width: Width required to start 1" from outside face of exterior wythe, extend through cavity, rising height required to extend above lintel steel at least 2".

4. Splice end joints by folding over one end and lapping next piece 6" sealing lap joint with manufacturer's standard mastic/sealant.
5. Mark flashing height on substrate using level; apply continuous mastic/sealant bead along mark's top edge lapping over mark 1"; apply mastic/sealant on entire horizontal lintel, wythe or exterior wall surface.
6. Apply flashing with non-wicking surface to outside.
7. Bed flashing into mastic/sealant at vertical and horizontal surfaces; roll into mastic/sealant.
- **8. Surface apply after dampproofing installation specified in Bituminous Dampproofing Section in accord with manufacturer's installation instructions.
9. Leave ready for ** building felt or ** air barrier ** installation lapping flashing top installed in another Section.
10. Fold ends of flashing at end of opening to form dam; seal.
11. Inside corners: Folded, not cut; seal.
12. Outside corners: Make in industry accepted manner using outside corner and splice material.

3.02 SCHEDULES

- A. Locations:
 1. Exterior door heads.
 2. Window heads and sills.
 3. Storefront heads.
 4. Horizontal control joints.
 5. Changes in veneer materials, vertically.
 6. Other wall openings.
 7. Other locations indicated.

END OF SECTION 07 65 10