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DIVISION: 06 - WOOD, PLASTICS, AND COMPOSITES
Section: 06 65 00 – Plastic Trim

DIVISION: 07 - THERMAL AND MOISTURE PROTECTION
Section: 07 65 00 – Flexible Flashing

REPORT HOLDER:

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REPORT SUBJECT:

DECO-FLASH® Flashing Systems

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2018, 2015 *International Building Code*® (IBC)
- 2018, 2015 *International Residential Code*® (IRC)
- 2017 *Florida Building Code* (see Section 9.0)

NOTE: this report references 2018 Code sections with [2015] Code section shown in brackets where they differ.

1.2 DECO-FLASH® has been evaluated for the following properties:

- Wind-Driven Rain
- Surface Burning
- Physical Properties

1.3 DECO-FLASH® Flashing Systems are utilized in rough openings prior to the installation of windows and doors. DECO-FLASH® may be installed in exterior walls in buildings of construction Type VB of IBC and FBC, construction permitted under the IRC and FBC-R and Type VA as permitted for unprotected openings in accordance with IBC and FBC Table 705.8.

2.0 STATEMENT OF COMPLIANCE

DECO-FLASH® Flashing Systems comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2 and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.0.

3.0 DESCRIPTION

3.1 DECO-FLASH® Flashing Systems are a decorative, trim, flashing system installed in rough openings for windows and doors. Deco-Flash is made of mono-extruded polyvinyl chloride (PVC) profile, plastic welded on all four corners to form a DECO-FLASH® box unit. The Deco-Flash unit has nailing fins and varying jamb returns.

3.2 The DECO-FLASH® units are provided in several section profiles, and identified in the following series: Builders Series, FC Series, J Series, and MF Series. See Figures 1 through 4 for dimensions.

4.0 PERFORMANCE CHARACTERISTICS

4.1 When installed in accordance with this report, DECO-FLASH® Flashing Systems meet the requirements of Section 1402.2 [1403.2] of the IBC and FBC for resistance to wind-driven rain when tested in accordance with ASTM E 331 at a minimum differential pressure of 6.24 pounds per square foot for a duration of 2 hours.

4.2 DECO-FLASH® PVC material complies with Section 2605.2 of the IBC and FBC for use as an exterior plastic veneer.

Materials used in the DECO-FLASH® Flashing Systems have been shown to have a self-ignition temperature greater than 650°F when tested in accordance with ASTM D 1929, a smoke development index less than 75 when tested in accordance with ASTM D 2843, and a combustibility classification of CC1 when tested in accordance with ASTM D 635, demonstrating compliance with Section 2605.2 and 2606.4 of the IBC and FBC.



5.0 INSTALLATION

5.1 The DECO-FLASH® Flashing Systems shall be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions shall be available on the jobsite during installation.

5.2 The Deco-Flash units may be installed in exterior wall openings of wood-frame, or concrete masonry. See Section 6.0 for Conditions of Use.

5.2.1 Wood-Framed Construction:

5.2.1.1 DECO-FLASH® units may be installed on wood-framed exterior walls sheathed with wood structural panels complying with Section 2303.1.5 of the IBC and FBC or Huber's Zip System Wall Sheathing (ICC-ES ESR-1474).

5.2.1.1.1 Where sheathed with wood structural panels, a water-resistive barrier complying with ICC-ES AC38 shall then be installed over the exterior wall and overlap the nailing fin of the Deco-Flash unit. All seams shall be taped with self-adhering flashing tape complying with AAMA 711. Prior to installing the water-resistive barrier, head flashing complying with AAMA 711 shall be applied over the Deco-Flash nail fin at the head, extending a minimum of 4 inches beyond the DECO-FLASH® unit to the left and the right.

5.2.1.2 Apply two continuous beads, minimum 3/8 inch, of ASTM C920 compliant sealant behind the nailing flange of the Deco-Flash profile. One bead shall be applied along the back of the nailing flange in line with the fasteners. A second continuous bead of sealant shall be applied directly to the exterior face, 1 inch from the edge of the rough opening.

5.2.1.3 The DECO-FLASH® unit shall be fastened directly to exterior sheathing using minimum 1-inch nails, corrosion resistant as specified in the IBC and FBC. Fasteners are to be spaced approximately 2 inches from each corner and at 8 inches on center around the perimeter of the unit.

5.2.2 Concrete Masonry:

5.2.2.1 Apply two continuous beads, minimum 3/8 inch, of ASTM C920 compliant sealant behind the nailing flange of the Deco-Flash profile. One bead must be applied along the back of the nailing flange in line with the fasteners. A second

continuous bead of sealant must be applied directly to the exterior face, 1 inch from the edge of the rough opening. After the Deco-Flash unit is installed, apply a continuous bead of sealant along the perimeter edge of the unit.

5.2.2.2 The DECO-FLASH® unit shall be fastened directly to exterior concrete masonry using minimum 3/4-inch corrosion resistant masonry fasteners. Fasteners are to be spaced approximately 2 inches from each corner and at 8 inches on center around the perimeter of the unit.

5.2.2.3 Masonry wall shall be waterproofed, and damp proofed in accordance with the building code up to and including the interface with the DECO-FLASH® flange.

5.3 Conventional shims shall be used for the shim space between outside jamb of the Deco-Flash and the inside edge of the rough opening. The shim space shall not exceed ¼ inches.

6.0 CONDITIONS OF USE

6.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

6.2 The anchorage of windows and doors is outside the scope of this report and must be designed and specified by the window or door manufacturer. Windows and doors shall anchor to the supporting structure and be designed in accordance with the required design pressures specified in Chapter 16 of the IBC and FBC.

6.3 Fire-resistance-rated construction is outside the scope of this report.

6.4 The concrete masonry walls shall be designed in accordance with Chapter 21 of the IBC and FBC.

6.5 The DECO-FLASH® units are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.





7.0 SUPPORTING EVIDENCE

7.1 Reports of testing in accordance with ASTM E 331-00(2009), Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference, demonstrating compliance with Section 1403.2 of the IBC and FBC, and Section R703.1 of the IRC.

7.2 Reports of testing demonstrating compliance with ICC-ES AC227, Acceptance Criteria for Rigid Cellular PVC Nonload-Bearing Exterior Trim (revised June 2012), for weathering, mechanical fastener, and flame spread properties.

8.0 IDENTIFICATION

The DECO-FLASH® is identified with the manufacturer's name (Deco-Flash), and the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0270).



9.0 FLORIDA BUILDING CODE

9.1 Scope of Evaluation:

DECO-FLASH® Flashing Systems have been evaluated for compliance with the *Florida Building Code – Building* and *Florida Building Code – Residential*.

9.2 DECO-FLASH® Flashing Systems have been additionally evaluated for weathering resistance of plastics with outdoor exposure when tested to ASTM G 155 and ASTM D 2565 for a period of 4500 hours and subsequent testing demonstrating compliance with FBC Section 2614.2.

9.3 Conclusion:

The DECO-FLASH®, described in Sections 2.0 through 7.0 of this Research Report, comply with the *Florida Building Code – Building* and *Florida Building Code – Residential*, including the High-Velocity Hurricane Zone provisions of the *Florida Building Code – Building* and the *Florida Building Code – Residential*.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3 Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report.

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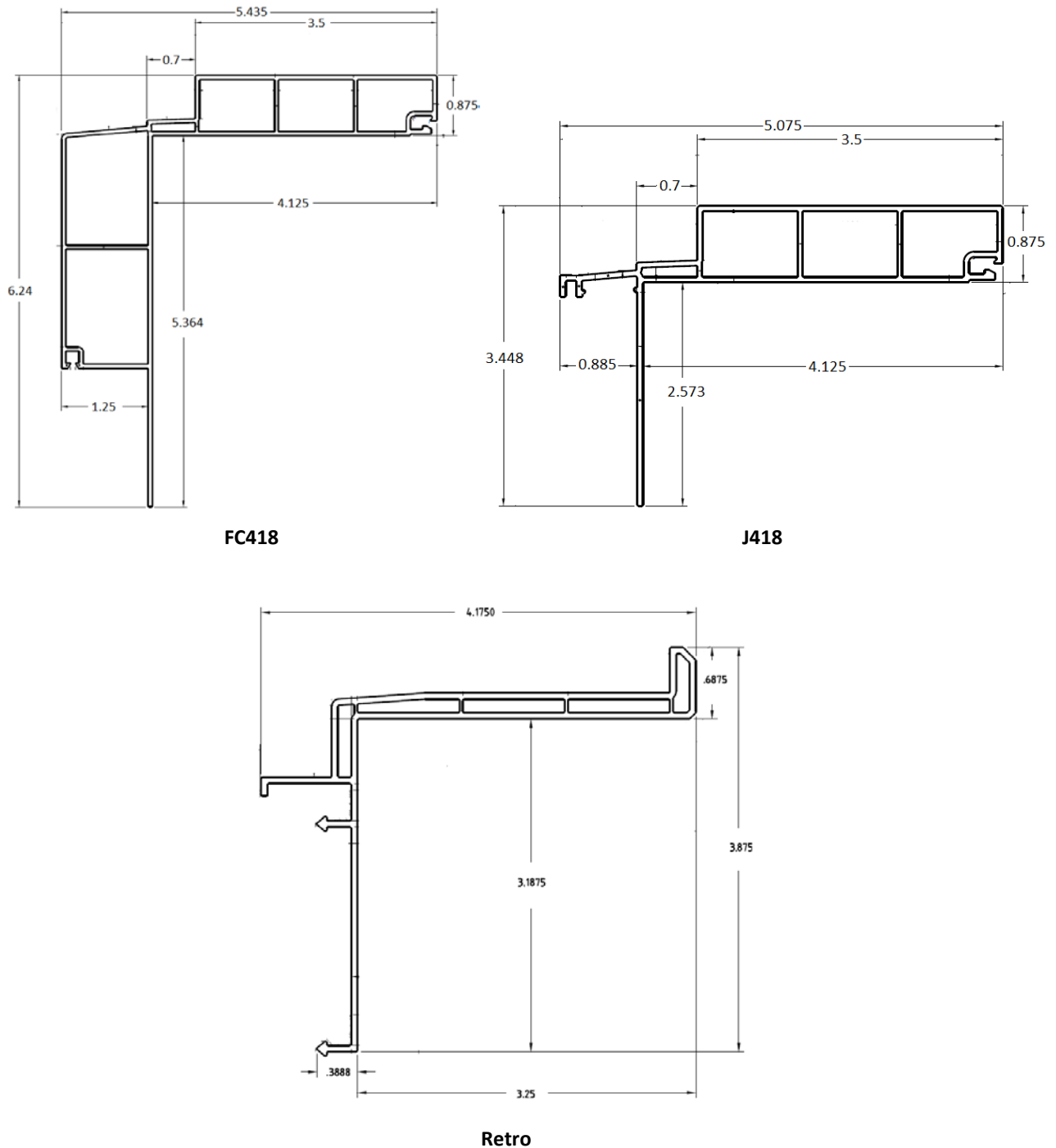
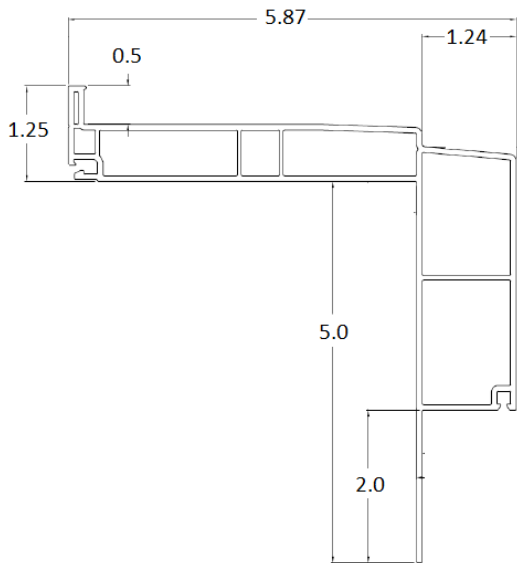
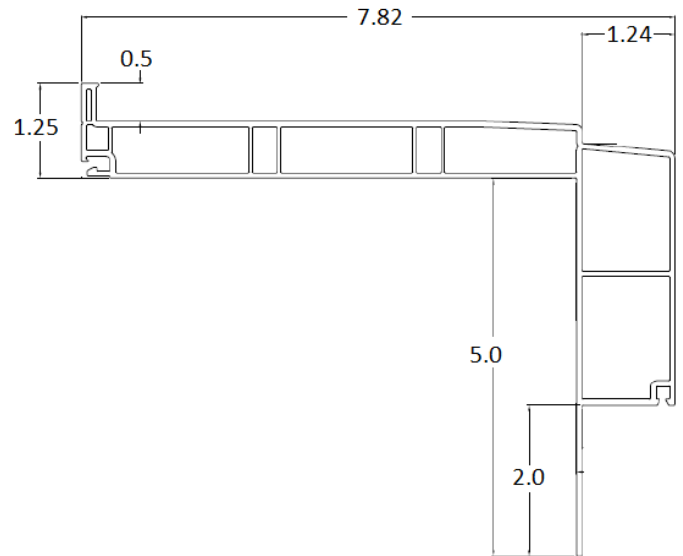


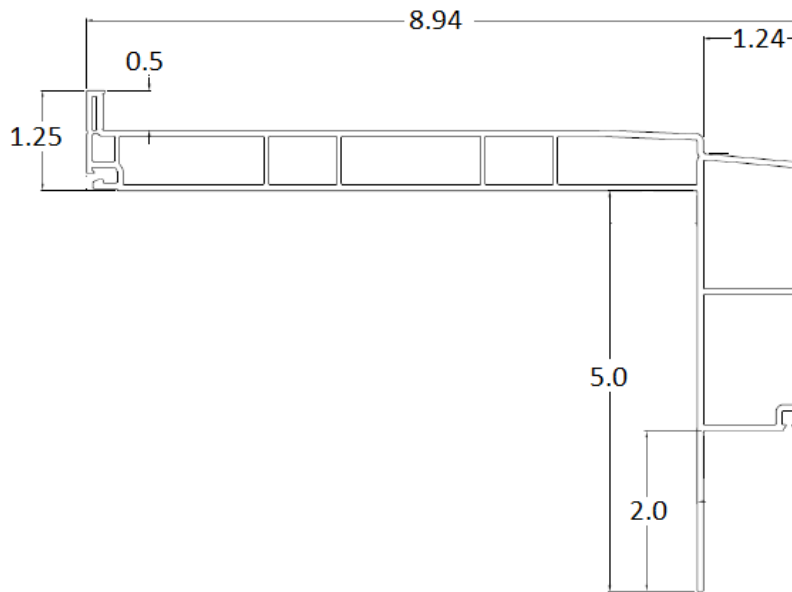
Figure 1 – Builders Series



FC45



FC65



FC75

Figure 2 – FC Series



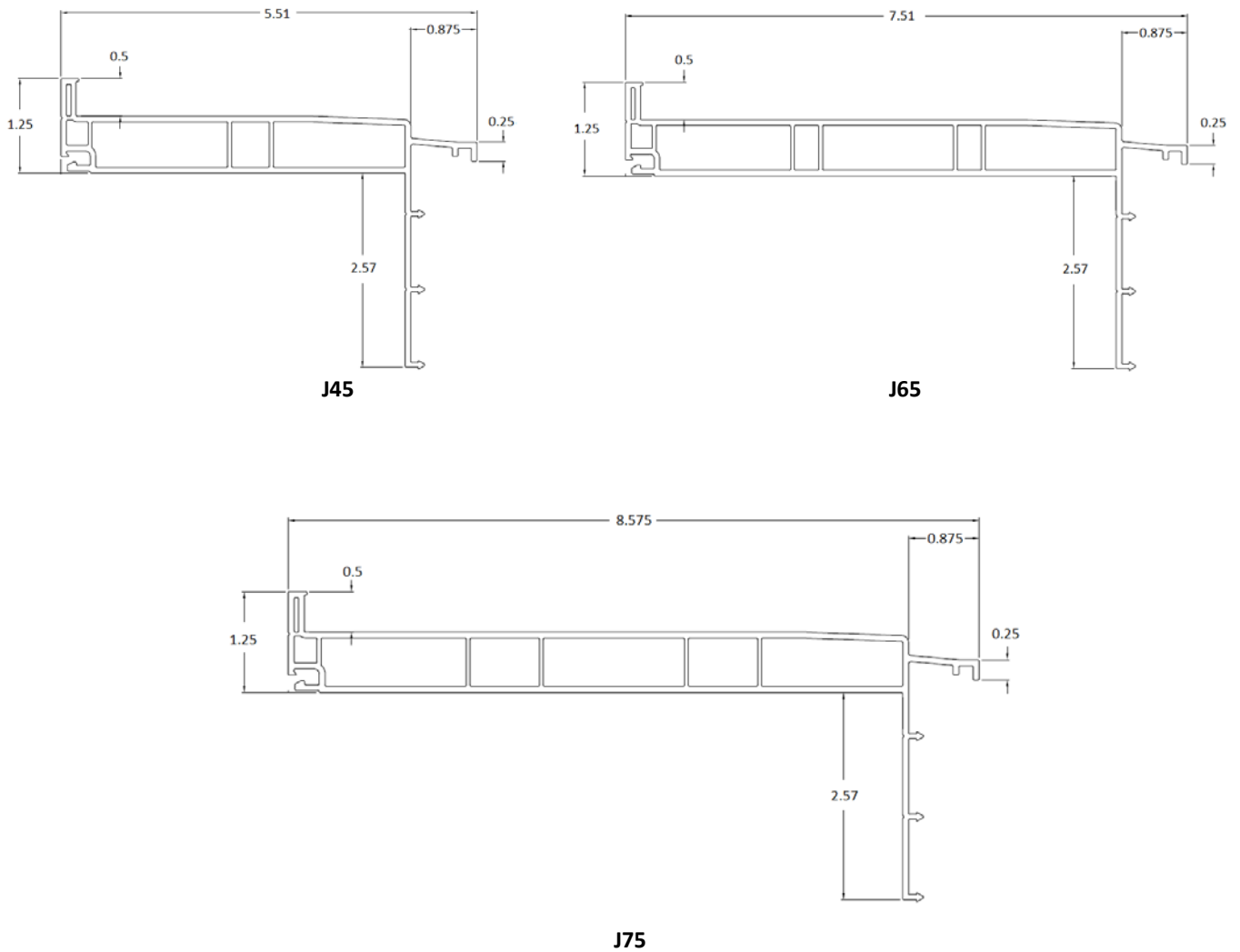
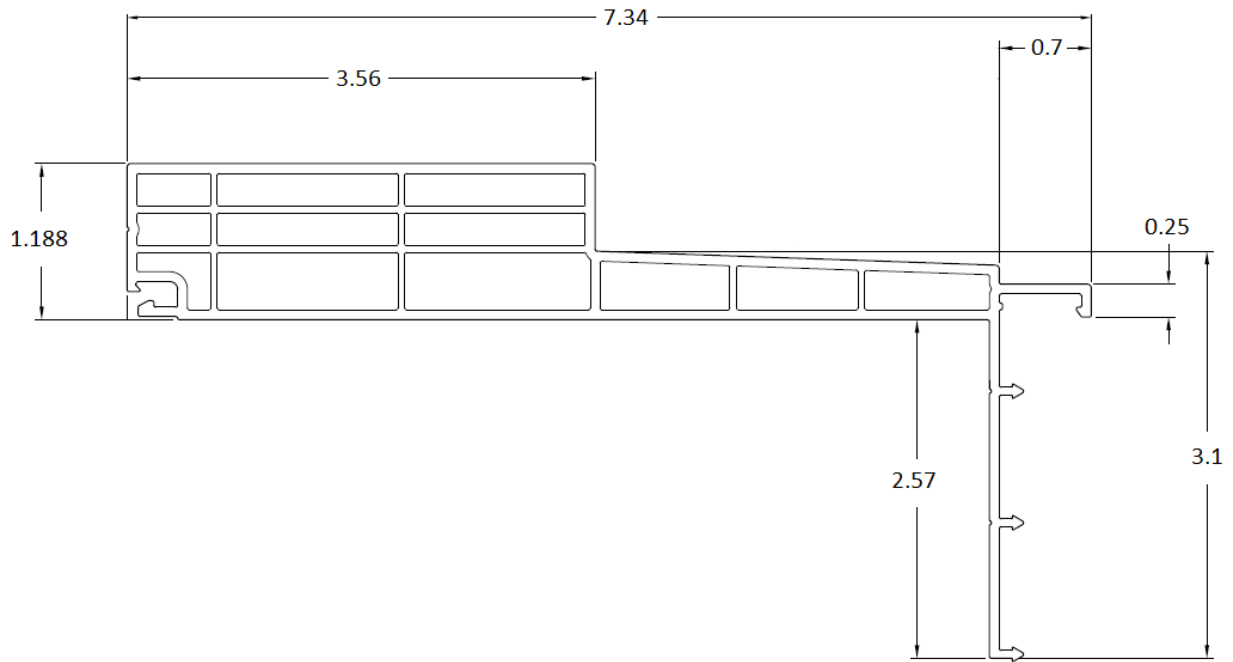


Figure 3 – J Series





MF65

Figure 4 – MF Series

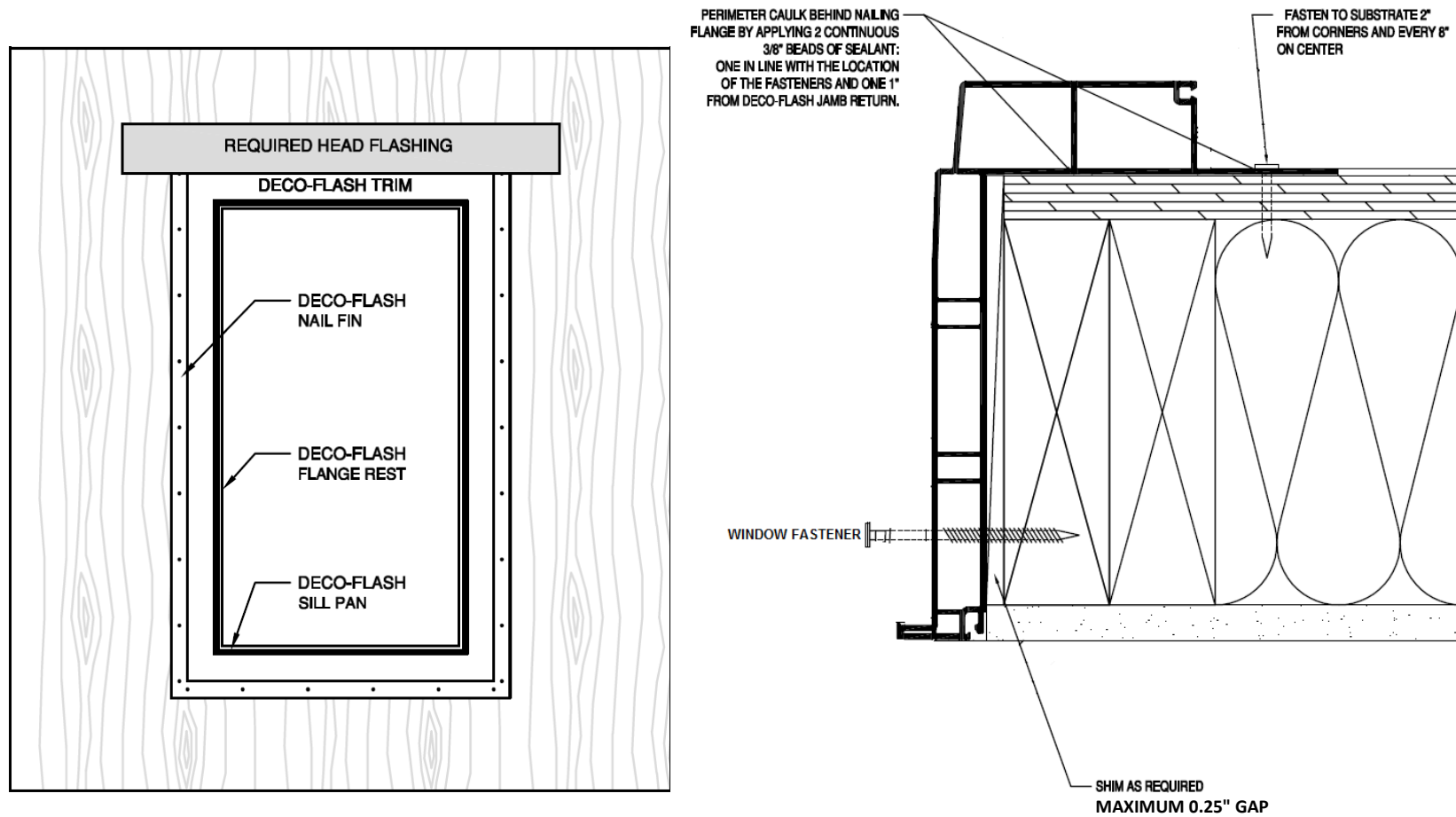


Figure 5 – Wood Frame Installation



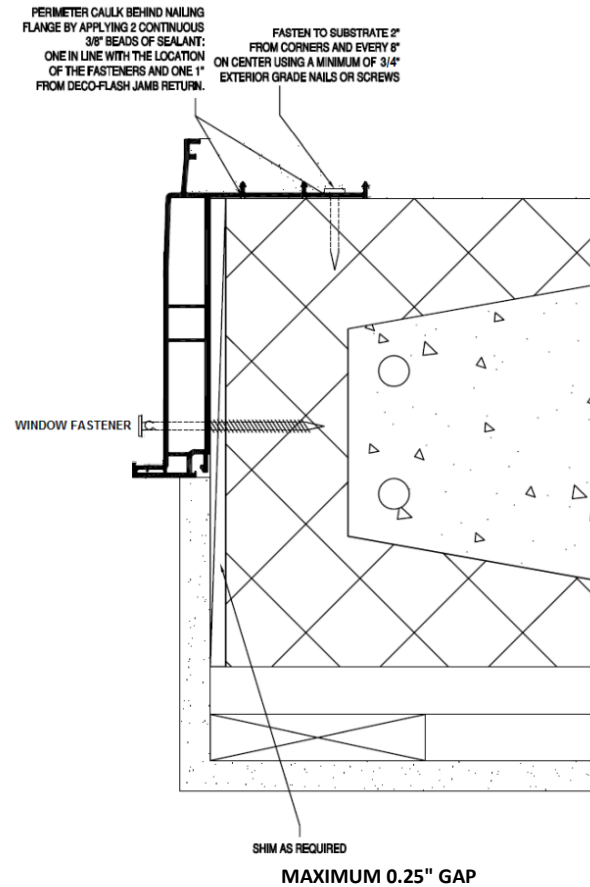
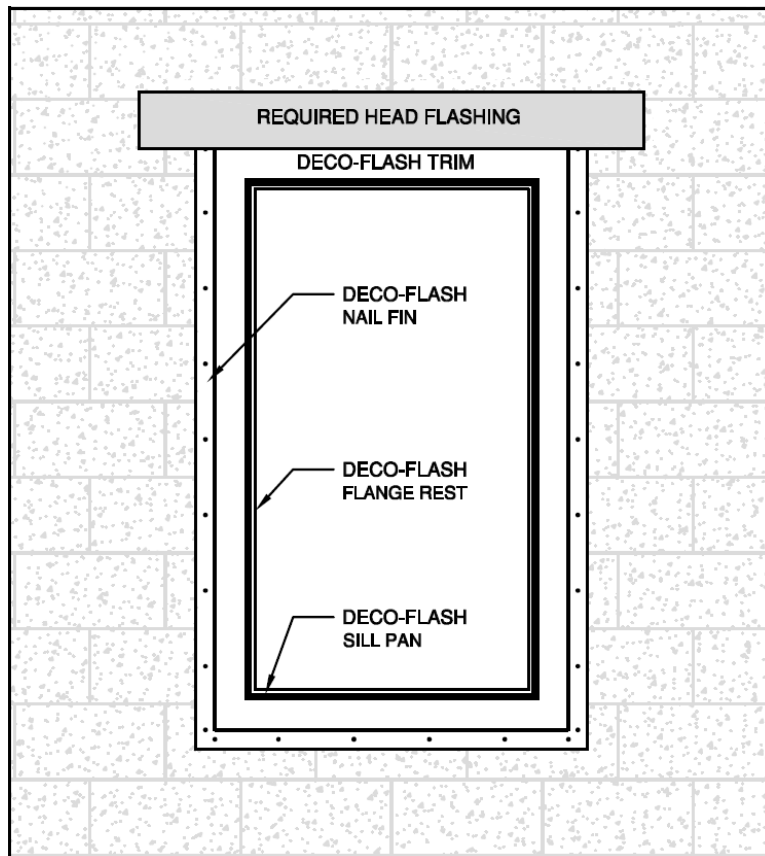


Figure 6 – Concrete Masonry Installation

