PART 1 - GENERAL

1.01 This Section includes custom and standard assembles for complete architectural storefront systems.

1.02 Referenced standards include the American Society for Testing of Materials (ASTM) and the American Architectural Manufacturer’s Association (AAMA).

1.03 Storefront framing systems shall be designed to provide for thermal movement of all component materials.

1.04 All entrances and storefronts shall undergo air infiltration, water resistance, uniform load deflection/structural, condensation resistance, and thermal transmittance tests.

1.05 QUALITY ASSURANCE

A. Provide test reports from AAMA accredited laboratories certifying the performance.

B. Test reports shall be accompanied by the storefront manufacturer’s letter of certification stating that the tested storefront meets or exceeds the referenced criteria for the appropriate storefront type.

1.06 MOCK-UP

A. After completion of one window installation with masonry, membrane, and flashings in place, the mock-up shall be reviewed for approval and tested prior to proceeding with the general window installation on the building.

B. The approved mock-up shall remain part of the work and act as a minimum standard of quality.

1.07 RELATED WORK

A. Section 00100 General Conditions for as-built samples
B. Section 08100 Metal Doors and Frames
C. Section 08460 Automatic Entrance Doors
D. Section 08500 Windows
E. Section 08900 Curtain Walls

PART 2 - PRODUCTS

2.01 The following manufacturers for storefront systems shall be used unless otherwise approved by a Brown University Project Manager:
EFCO
KAWNEER

2.02 All storefront, curtain wall, windows and doors listed shall be by the same manufacturer and supplier.

2.03 All systems shall have medium factory prefinish at a minimum.

2.04 Technical composition of paint shall conform to AAMA guide specification 605.2.

2.05 Entrances and storefronts shall be carefully coordinated with glazing specified under Section 08800 - Glazing.

2.06 All exterior glass shall be insulated with one side laminated safety glass.

2.07 All exterior doors shall be wide stile to accommodate hardware.

2.08 All hardware shall be specified under and coordinated with Section 08710 – Finish Hardware.

2.09 Provide a rigid structural thermal break tied into installation of window and door system.

PART 3 - EXECUTION

3.01 Weather-stripping contact and hardware movement shall be checked and final adjustment made for proper operation and performance of units.

3.02 Sealing materials shall be applied to provide a weather tight installation at all joints and intersections and at opening perimeters.

3.03 Where an accessible entrance is created, it is required that at least one entrance door have an assisted door opener/closer. Coordinate with Section 08460 – Automatic Entrance Doors.

END OF SECTION