SECTION 084113

ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

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**NOTE TO SPECIFIER**

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 2 Specification with primarily editable text; therefore, most of the text can be edited, but there is some required text which is noted within the Section with a “Note to Specifier.” Do not revise these paragraphs without an approved Deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.***

*For Design/Build projects, do not delete the Notes to Specifier in this Section so that they may be available to Design/Build entity when preparing the Construction Documents.*

*For the Design/Build entity, this specification is intended as a guide for the Architect/Engineer preparing the Construction Documents.*

*The MPF specifications may also be used for Design/Bid/Build projects. In either case, it is the responsibility of the design professional to edit the Specifications Sections as appropriate for the project.*

*Text shown in brackets must be modified as needed for project specific requirements.* *See the “Using the USPS Guide Specifications” document in Folder C for more information.*

*The last date that USPS revised this standard specification section occurs in two places, at the end of this section and in the Table of Contents. If the date in this section matches the date in the Table of Contents, then you are using the latest version. Do not delete or revise the “last revised” date at the end of the section during the development of the Project Manual.*

*The footer in this section should be edited to replace the text, “USPS MPF SPECIFICATION” with the project name, and the blank date in the center should be replaced with the submission date, for interim design reviews, or the issue date of the completed Project Manual.*

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PART 1 – GENERAL

1.1 SUMMARY

1. Lobby entrances.
2. Exterior windows.
3. Interior doors.
4. Door hardware (except cylinders).
5. Perimeter sealant
6. Security revolving doors are specified in Section 111415 - Turnstiles.

1.2 SUBMITTALS

1. Product Data: Required
2. Shop Drawings: Required
3. Samples: Required

1.3 QUALITY ASSURANCE

A. Performance Requirements:

1. Air leakage: 0.06 cfm/min/sq ft of wall area, measured at a reference differential pressure across assembly of 1.57 psf.

2. Water leakage: None, when measured in accordance with ASTM E 331 with a Pressure difference of 2.86 lbf/sq ft.

B. Qualifications:

1. Manufacturer: Company specializing in manufacturing Products specified with minimum 5 years documented experience.

2. Installer: Company specializing in performing the Work of this Section with minimum 5 years documented experience.

1.4 PROJECT CONDITIONS OR SITE CONDITIONS

1. Jobsite Requirements:
2. Install sealants and glazing only when temperature is 40 degrees F. or greater.

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***NOTE TO SPECIFIER***

*REQUIRED Article (ENVIRONMENTAL REQUIREMENTS) follows. Do not revise this Article, except as noted below, without a written Deviation from USPS Headquarters Design & Construction, through the Contracting Officer.”*

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1.5 ENVIRONMENTAL REQUIREMENTS

1. Energy Efficiency:
2. Exterior framing system: Provide frame with thermal break for exterior framing systems; provide weather-stripping for doors in exterior frame.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

1. Source: Kawneer, Tubelite, Vistawall.
2. Frame: 2 x 4-1/2 inches nominal dimension profile with thermal break and applied glazing stops.
3. Doors: Narrow Stile.
4. Glass and glazing Materials
5. Sealant and Backing Materials

2.2 FABRICATION

A. Reinforced Mullions: Profile as required with internal steel reinforcement.

1. Extruded Aluminum: ASTM B221

2. Sheet Aluminum: ASTMB209

3. Steel Sections: ASTM A36/A36M; shaped to suit mullion sections

4. Fasteners: Stainless Steel

B. Shop/Factory Finishing:

1. Exterior and Interior Installations: Kynar 500 or Hylan Fluoropolymer.

PART 3 – EXECUTION

3.1 Install all products in accordance with manufacturer’s guidelines and printed instructions.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022