SECTION 081100

METAL DOORS AND FRAMES

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**NOTE TO SPECIFIER**

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 1 Specification with completely editable text; therefore, any portion of the text can be modified by the A/E preparing the Solicitation Package to suit the project.***

*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. Hollow metal doors and frames.
2. Vision panels.

1.2 SUBMITTALS

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

1.3 QUALITY ASSURANCE

A. Regulatory Requirements:

1. UL 10B, NFPA 80 and ASTM E-152: Fire rated door and frame construction:

2. Handbook RE-4: Standards for Facility Accessibility by the Physically Handicapped.

B. Quality Standards:

1. Hollow metal work: ANSI/SDI-100 Grade II Model 3 Standard Steel Doors and Frames.

PART 2 -PRODUCTS

2.1 Steel Doors and Frames: 1-3/4” inch thick full flush design, seamless construction.

A. Exterior Doors:

1. 18 gauge ASTM A526 with ASTM A525, G60 galvanized steel, insulated.

B. Interior Doors:

1. 18 gauge ASTM A366 or ASTM A568 cold-rolled steel, primed.

C. Exterior Frames: 16 gauge thick material, core thickness, G60 galvanized.

D. Interior Frames: 16 gauge thick material, core thickness, primed.

E. Fire rated doors and frames: Fire rating and construction as required.

2.2 FABRICATION

A. Steel Doors and Frames

1. Shop Assembly:

a. Fabricate frames as welded unit.

2. Shop/Factory Finishing:

a. Steel sheet: Galvanized to G60 coating class at exterior doors. Baked primer at interior doors.

PART 3 – EXECUTION

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

END OF SECTION

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