SECTION 083800

TRAFFIC DOORS

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**NOTE TO SPECIFIER**

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 4 Specification with*** ***Direct Vendor text; these Sections contain a Direct Vendor, which is a product supplier with a pass-through pricing (PTP) agreement with USPS. The General Contractor must order the specified products and/or services from the Direct Vendor, therefore portions of the text indicated*** ***with a “Note to Specifier” cannot be modified. Do not revise the required 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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1. GENERAL
	1. SUMMARY
		1. Section Includes:
			1. Double action impact resistant traffic doors, security type.
			2. Door hardware.
			3. Security features.
		2. Related Documents: The Contract Documents, as defined in Section 011000 - Summary of Work, apply to the Work of this Section. Additional requirements and information necessary to complete the Work of this Section may be found in other Documents.
		3. Provide products complete with accessories, trim, finish, safety guards, and other pertinent devices and details needed for a complete installation and intended use.
		4. Related Sections:
			1. Section 055000 - Metal Fabrications: Steel door frames for traffic doors.
	2. REFERENCES
		1. American Society for Testing and Materials (ASTM):
			1. ASTM D635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position.
			2. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
	3. SUBMITTALS
		1. Section 013300 - Submittal Procedures: Procedures for submittals.
			1. Product Data: Indicate door materials, thickness, configuration, and hardware.
			2. Shop Drawings:
				1. Indicate dimensions, details of construction, and installation.
				2. Indicate relationship to adjoining related Work where cutting, fitting, reinforcement, and anchorage is required for complete installation.
		2. Section 017704 – Closeout Procedures and Training: Procedures for closeout submittals.
			1. Operating and Maintenance Data: Operating and maintenance instruction and parts lists.
			2. Submit written special warranty with forms completed in United States Postal Service name and registered with manufacturer as specified in this section.
	4. QUALITY ASSURANCE
		1. Qualifications:
			1. Installer: Company specializing in performing the Work of this Section with minimum 5 years documented experience.
	5. DELIVERY, STORAGE, AND HANDLING
		1. Section 016000 - Product Requirements: Transport, handle, store, and protect Products.
		2. Deliver product in manufacturer's original unopened packages with labels legible and intact.
		3. Labels shall identify manufacturer, brand name, model size, finish, and location of installation.
		4. Store double action doors and accessories in unopened packages in protected dry area to prevent damage from environmental and construction operations.
		5. Handle double action doors with care to prevent damage.
	6. WARRANTY
		1. Comply with Section 017704 - Closeout Procedures and Training: Procedures for closeout submittals.
		2. Manufacturer warranty to cover all material and labor required to repair or replace doors and door components for a period of two years from time of acceptance by USPS, within a guaranteed maximum repair response time of ten calendar days.
2. PRODUCTS

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**NOTE TO SPECIFIER**

\*\*Required: The Direct Vendor manufacturer and product cannot be modified without an approved deviation.

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* 1. MANUFACTURERS
		1. This Product must be manufactured by a USPS Direct Vendor and is subject to a USPS price and requirements purchasing agreement. The following vendor must be used:
			1. Chase Industries/Senneca Holdings, 10021 Commerce Park Dr., Cincinnati, OH 45246, (800) 543-4455, ext. 3477, quotes-orders@senneca.com.
		2. Section 016000 - Product Requirements: Product options and substitutions. Substitutions: Not Permitted.
	2. TRAFFIC DOORS
		1. Model: Chase Industries.
			1. Standard Sizes: Durulite Series 200 Security Doors.
			2. Custom Sizes: Durulite Series ME-200 Security Doors.
		2. Color: Selected by Contracting Officer from manufacturer's standard colors.
		3. Door Body:
			1. Per manufacturer’s USPS approved construction.
			2. Panel skin rate of burning, ASTM D635: “HB” (horizontal burning), no combustion.
			3. Panel skin flame spread index, ASTM E84: 275 maximum.
		4. Hardware: The upper pivot shall consist of a V-cam capable of carrying a door weighing 200 pounds. Lift shall be 1-3/8 inches with gravity self-closing action. Door shall be adjustable back and forth and/or up and down.
		5. Gaskets: All gasket materials shall be factory applied and shall include wings to prevent accumulation of dirt. Gaskets shall be on leading edge, back and bottom of each door panel.
		6. Top and Hinge Seal Covers: Top seal shall be made of block reinforced nylon, with black anodized aluminum metal. Stainless steel screws shall be used for fastening to frame. Top and bottom hinge seal covers shall be field installed.
		7. Viewing Area:
			1. Per manufacturer’s USPS approved construction.
		8. Fasteners: All fasteners and washers, including jamb fasteners shall be made of stainless steel.
		9. Black Spring Polyethylene Bumper/Kick Plate.
			1. At Carrier Vestibule: 38-inch-high bumpers on both sides of doors with no kick plate.
			2. At Mail Vestibule: 38-inch-high bumpers on both sides of doors with no kickplate.
		10. Steel Door Frames: Specified in Section 055000.
		11. Directional Signs. USPS standard design:
			1. Pictograph for enter. Apply to entry side of panels.
			2. Pictograph and “NO EXIT”. Apply opposite to entry side of panels for doors providing entry to building.
			3. Pictograph and “NO ENTRY”. Apply opposite to entry side of panels for doors providing exit from building.
	3. SECURITY FEATURES
		1. In addition to the items specified above, the following features shall be included in the door units:
			1. Lower hinge guard.
			2. Cane bolts, minimum 5/8-inch round steel, 12 inches long from tip to elbow (upper) and 36 inches long from tip to elbow (lower).
			3. 2-inch chain hole with grommet.
			4. Dirt free retainer sleeves for each lower cane bolt, with a depth of at least 3 inches.
			5. Double glazed polycarbonate security windows with three 1 inch x 1/4 inch vertical steel bars. The vertical bars extend from the top of the door to within 33 inches of the bottom of the door panel, with a maximum horizontal spacing of 7 inches.
	4. DOOR STOPS
		1. Overhead door stops, header mount with tabs and contact pads.
1. EXECUTION
	1. EXAMINATION
		1. Section 017300 - Execution: Verification of existing conditions before starting work.
		2. Verification of Conditions: Verify that field measurements, surfaces, substrates, and conditions are as required, and ready to receive Work.
			1. Verify that openings are prepared with headers level, jambs plumb, floor level, without projections, and are correctly dimensioned to receive double action doors.
		3. Report in writing to Contracting Officer prevailing conditions that will adversely affect satisfactory execution of the Work of this Section. Do not proceed with Work until unsatisfactory conditions have been corrected.
		4. By beginning Work, Contractor accepts conditions and assumes responsibility for correcting unsuitable conditions encountered at no additional cost to the United States Postal Service.
	2. INSTALLATION
		1. Install door unit assembly to manufacturer's published instructions and final shop drawings.
		2. Fit and align door assembly level and plumb.
		3. Use anchorage devices to securely fasten door assembly to door frame construction without distortion or imposed stresses.
	3. ADJUSTING
		1. Adjust door assembly to provide smooth operation from closed to fully open position.
	4. CLEANING
		1. Section 017300 - Execution: Cleaning installed Work.
		2. Remove protective material from pre-finished surfaces.
		3. Remove labels and visible markings.
		4. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Wipe surfaces clean.

END OF SECTION

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**NOTE TO SPECIFIER**

\*\*Required: Insert the Direct Vendor order form from USPS BDS Folder F.6.1 after this Section in the Project Manual.

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