SECTION 083614

OVERHEAD SECTIONAL KNOCKOUT 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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PART 1 – GENERAL

1.1 SUMMARY

A. Section includes:

1. Manually operated sectional overhead doors with insulated composite panels.

2. Tracks configured for the following lift types:

a. Standard lift.

b. High lift.

c. Vertical lift.

B. 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.

C. Related Sections:

1. Section 087100, Door Hardware: for lock cylinders and keying.

2. Section 099100, Painting: for field-applied paint finish.

1.2 REFERENCES

A. 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.

1.3 SUBMITTALS

1. Product Data: For each type and size of sectional overhead door and accessory. Provide roughing-in diagrams, operating instructions, and maintenance information. Include the following:

1. Setting drawings, templates, and installation instructions for built-in or embedded anchor devices.

1. Shop Drawings: For special components and installations not dimensioned or detailed in manufacturer's data sheets.

1. Wiring Diagrams: Detail wiring for signal systems. Differentiate between manufacturer-installed and field-installed wiring and between components provided by door manufacturer and those provided by others.

1. Section 017704 - Closeout Procedures and Training: Procedures for closeout submittals.

1. Operating and Maintenance Data: Operating and maintenance instructions, parts lists and wiring diagrams.

2. Submit written special warranty with forms completed in United States Postal Service name and registered with manufacturer as specified in this Section.

1.4 QUALITY ASSURANCE

1. Installer Qualifications: Engage an experienced installer who is an authorized representative of the sectional overhead door manufacturer for both installation and maintenance of units required for this Project.
2. Source Limitations: Obtain sectional overhead doors through one source from a single manufacturer.

1. Obtain operators and controls from the sectional overhead door manufacturer.

1. Listing and Labeling: Provide electrically operated fixtures specified in this Section that are listed and labeled.

1. The Terms "Listed" and "Labeled": As defined in NFPA #70, Article 100.

PART 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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2.1 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. TKO Doors, Sussex, WI, Primary Contact: John Endres, (262) 246-1332, [John.Endres@assaabloy.com](mailto:Vicky.borkowski@4frontes.com)

1. Section 016000 - Product Requirements: Product options and substitutions. Substitutions: Not permitted.

2.2 SECTIONAL KNOCKOUT DOORS

A. Model:

1. TKO Doors: TKO CruiserWeight.

B. REQUIRED FEATURES

1. 24 inches high maximum with 1/8-inch thick pre-finished white polymer interior panel and 1/8-inch thick fiberglass exterior panel factory primed and painted after forming with white Sherwin Williams "Superpaint" series A85 or equivalent according to coating manufacturer's standards written instructions for application and minimum dry film thickness.
2. 1-3/4 inch thick minimum foam core insulation.
3. High molecular weight polyethylene (UHMW) track that will allow an outward release when impacted.
4. Replaceable weather seals, top and bottom.
5. Spring-loaded plungers on knockout panels.
6. Counterbalance system rated for 25,000 cycle minimum.
7. Single slide lock.
8. Manual Chain Hoist.
9. Weatherstripping: Llintel brush seal, foamed hypalon bottom seal and loop weather seal attached to the door panels.
10. Two push/pull handles.
11. One 22 inch wide x 6 inch high vision panel.
12. Two bumpers at each upper track.

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**NOTE TO SPECIFIER**

Track is available instraight-vertical, high-lift and tilt-track styles. Select style appropriate for the project.

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1. Track: [straight-vertical] [high-lift] [tilt-track] style.

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**NOTE TO SPECIFIER**

Select optional features below if applicable to project or required by contracting officer.

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1. Cable break safety device.
2. Hurricane Wind Load Option: Comply with Florida Building Code 13014.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Examine wall and overhead areas, including opening framing and blocking, with Installer present, for compliance with requirements for installation tolerances, clearances, and other conditions affecting performance of Work of this Section.

a. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

1. General: Install door, track, and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports according to Shop Drawings, manufacturer's written instructions, and as specified.
2. Hang horizontal track from structural overhead framing with angle or channel hangers bolt fastened in place. Provide sway bracing, diagonal bracing, and reinforcement as required for rigid installation of track and door-operating equipment.

3.3 ADJUSTING

1. Adjust doors to operate easily, free from warp, twist, or distortion and fitting weathertight for entire perimeter.

3.4 DEMONSTRATION

1. Startup Services: Engage a factory-authorized service representative to perform startup services and to train Owner's maintenance personnel as specified below:

1. Test and adjust controls and safety features. Replace damaged and malfunctioning controls and equipment.

2. Train Owner's maintenance personnel on procedures and schedules related to startup and shutdown, troubleshooting, servicing, and preventive maintenance.

3. Review data in the maintenance manuals.

4. Schedule training with Owner with at least 7 days advance notice.

3.5 WARRANTIES

A. Manufacturer to provide two-year performance warranty on high-impact polymer panel, five-year impact warranty on track and one-year warranty on entire door system covering defects in material or workmanship.

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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