SECTION 142000

ELEVATORS

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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. Electric traction, machine room-less electric traction, and hydraulic for [passenger] [freight] elevators including driving machines, car hoistway entrances, guide rails, signals, controls, electrical wiring, roping, buffers and counterweights (if any); and devices for operating, dispatching, safety security, leveling and alarm.

1.2 SUBMITTALS

1. Product Data: Required
2. Shop Drawings: Required
3. Operational and Maintenance Manuals: Required

1.3 QUALITY ASSURANCE

1. Comply with ASME ANSI A17.1 “American Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks” except where more stringent requirements are imposed by local regulations,
2. Comply with HANDBOOK RE-4 for handicapped accessibility.
3. Elevator installation is to be inspected, approved and certified by USPS elevator inspector.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. Subject to compliance with project requirements, manufacturers offering Products which may be incorporated in the Work include the following

1. ThyssenKrupp Elevator

2. Otis Elevator

3. Schindler Elevator

4. Minnesota Elevator (MEI)

5. Canton Elevator

6. Peelle Elevator Doors

7. Courion Doors (Freight Tech)

8. Motion Control Engineering (MCE)

9. Elevator Controls (EC), etc.

B. Product options and substitutions. Substitutions: Permitted, in accordance with Section 016000.

2.2 SCHEDULE OF EQUIPMENT

1. Elevator operation: Electric traction, machine room-less electric traction, or hydraulic.
2. Capacity:

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**NOTE TO SPECIFIER**

For Passenger elevators use the following paragraph.

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1. [2,500 pounds] [other capacity as determined by assessment/investigation]

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**NOTE TO SPECIFIER**

*For Freight elevators use the following paragraphs. Select loading classification to match the recommended use for the subject facility. A freight elevator of sufficient classification, size, and weight capacity may be required to accommodate the largest piece of mechanization, automation, utility or other equipment to be installed in the building. Facility (site) analysis as to the methods and means of moving-transporting mechanization, automation, utility or other equipment between floors during installation, removal or use shall be documented during the inspection and/or design phase of projects.*

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1. [\_\_\_\_\_\_ pounds]
2. ASME A17.1 loading classification: [Class A] [Class C1] [Class C2] [Class C3], placarded accordingly inside the elevator car.
3. Speed: [200 FPM for electric traction, 125 FPM for hydraulic] unless additional considerations must be factored into designs speed shall be in accordance with industry standards, ASME A17.1 and/or OEM guidelines.
4. Operation control system: Duplex automatic, programmable solid state. Parity and functionality with the elevator application shall be a determining factor and shall be in accordance with industry standards, ASME A17.1 and/or OEM guidelines and other applicable references.
5. Hoistway doors:

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**NOTE TO SPECIFIER**

For Passenger elevators use the following paragraph. Revise if additional considerations must be factored into designs.

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1. Single speed; stainless steel; extruded aluminum sills.

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1. Vertical bi-parting freight doors in accordance with industry standards, ASME A17.1 and/or OEM guidelines.
2. Door operation: Motorized.
3. Car enclosure:

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**NOTE TO SPECIFIER**

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1. Materials, fit, and finish shall be commensurate with facility usage, industry standards and requirements specified during design.

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1. Freight style cab (car), ruggedized stainless steel walls and floor, with steel or synthetic bumpers to support USPS mail transport equipment (MTE) and powered industrial truck (PIT) loading, as applicable.
2. Wood bumpers are not permitted.
3. Signals: shall be in accordance with industry standards, ASME A17.1 and/or OEM guidelines.
4. Special features: Multi-leveling; fireman’s feature; battery lowering emergency power.

PART 3 – EXECUTION

3.1 Install all products in accordance with ASME A17.1, manufacturer’s guidelines and printed instructions as well as any additional applicable references-requirements.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022