SECTION 144500

VEHICLE LIFTS

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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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1. GENERAL
	1. SCOPE OF WORK
		1. Furnishing and complete installation of new vehicle lifts. The lifts shall be provided with all necessary devices for satisfactory operation.
	2. ACCEPTABLE MANUFACTURERS: Required characteristics and performance of vehicle lifts are based on products of the following manufacturers:
		1. Multiple-post Lifts: Rotary Lift, Inc.
		2. Scissors Lifts: Hunter Engineering Co.
	3. WORK INCLUDED
		1. Supply all labor and materials required to deliver and install the vehicle lift systems and make them full operational.
	4. QUALITY ASSURANCE
		1. Manufacturer's and Installer's Qualifications:
			1. Materials and products shall be manufactured by a company continuously and regularly employed in the manufacture of similar materials, for a period of at least 5 consecutive years; and which can show evidence of these materials being satisfactorily used on at least six projects of similar size, scope, and type within such a period. At least three of the projects shall have been in successful use for three years or longer.
			2. Installation shall be by an installer which has been in the business of installing similar systems for at least three consecutive years and is approved as an installer by the equipment manufacturer.
	5. SUBMITTALS
		1. Submit shop drawings showing lay-out, details of construction, anchorages, and accessories specific to this project.
	6. WARRANTY
		1. Provide manufacturer's 2-year parts and labor warranty.
2. PRODUCTS
	1. VEHICLE LIFTS

A. Light Duty – 10,000-12,000 lb. load capacity

1. Two-Post Lift (Symmetrical): floor-mounted and rigidly anchored: Design requirements are based on Model SPO12, by Rotary Lift, Inc.

2. Two-Post Lift (Asymmetrical): floor-mounted rigidly anchored: Design requirements are based on Model SPOA10, by Rotary Lift, Inc.

3. Two-Post Lift (Mobile): Design requirements are based on Model MCH213, by Rotary Lift, Inc.

B. Intermediate Duty – 18,000 lb. load capacity

1. Two-Post Lift (Symmetrical): floor-mounted and rigidly anchored: Design requirements are based on Model SPO18, by Rotary Lift, Inc.

C. Heavy Duty – 30,000 lb. load capacity, less than 240" wheelbase

1. Four-Post Lift (Drive-on platform): Design requirements are based on Model SM30-L, by Rotary Lift, Inc.

2. Four-Post Lift (Mobile): Design requirements are based on Model MCH413, by Rotary Lift, Inc.

D. Alignment Rack – 10,000 lb. load capacity, less than 158" wheelbase

1. Scissors Lift (Drive-on platform): with two 6,000 lb. swing air jacks, floor mounted and rigidly anchored: Design requirements are based on Model RX10LT-PS, by Hunter Engineering Co.

1. EXECUTION
	1. INSTALLATION
		1. Lifts shall be floor mounted and rigidly anchored and installed in strict accordance with manufacturer's recommendations, with all required appurtenances and connections to provide fully operational functionality.
	2. FIELD TESTING
		1. Upon completion and before final inspection of the work, each vehicle lift shall be operated under full rated capacity load and shall be tested as in-service to demonstrate compliance with the contract requirements. Piping shall be thoroughly flushed and cleaned before being placed into operation.
	3. INSTRUCTING OPERATING PERSONNEL
		1. The services of a manufacturer's technical representative to instruct Owner's personnel in operation and maintenance of the lifts shall be provided. Schedule with Owner at least 7 days in advance.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022