SECTION 111104

BATTERY CHARGING RACKS

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**NOTE TO SPECIFIER**

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 2 Specification with primarily editable text; therefore, most of the text can be edited, but there is some required text which is noted within the Section with a “Note to Specifier.” Do not revise these 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. Single Stack Battery Charging Rack.

1.2 REFERENCES

A. Occupational Safety and Health Administration (OSHA):

1. OSHA Regulation 1910-178 (g) Changing and charging storage batteries.

1.3 SUBMITTALS

A. Product Data:

1. Battery Charging Racks: Indicate materials and finish, installation details, roughing-in measurements, and the configuration of racks.

B. Shop Drawings:

C. Certificates:

1. Manufacturer’s Certificates.
2. Installer’s Certification.
3. Qualification.

1.4 QUALITY ASSURANCE

1. Battery Charging Racks: Conform to requirements of OSHA Regulation 1910-178 (g).
2. Warranty:
3. Minimum one year warranty.

PART 2 – PRODUCTS

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*\*\*Required: Other than deleting products not needed for a specific project, do not revise the manufacturers, models, or component sizes or capacities without an approved deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.*

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2.1 MANUFACTURERS

1. Battery Handling Systems (BHS), St. Louis, Missouri; 314-423-7091.

1. Models # HBS-30, 42, 60, 72, 84, 96, 108, 120 and 144.

1. Materials Transportation Company (MTC), Temple, Texas; 800-433-3110.

1. Models #HS-30, 42, 60, 72, 84, 100, 120 and 144.

2.2. MATERIAL

1. Rack Description:
   1. Type: Floor mounted, single, double, or triple rack units, dependant upon configuration requirements.
   2. Installation: Installed on concrete floor slab.
   3. Capacity: Minimum shelf weight: 800 lbs.
   4. Maximum base/platform weight: 18,000 lbs.
2. Rack Construction:
3. Heavy-duty wood, or rigidly welded steel frame.
4. For steel construction, provide non-spark coating for all metal parts
5. Provide base plates at bottom of frame posts for anchoring the rack to the floor.
6. Platform Surface:
   1. Interlayed pressure treated wood or recycled, polyethylene boards.
   2. Platform depth: 40 inches.
   3. Platform height: Minimum of 12 inches above floor slab.
7. Charger Shelf:
   1. Depth: Minimum 24 inches wide.
   2. Height: 66 inches above finish floor level.
   3. Clear Height: Minimum 50 inches clear between top of platform and underside of shelf.

PART 3 - EXECUTION

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

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022