SECTION 102213

WIRE MESH PARTITIONS

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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

1. Wire mesh partitions, doors, ceilings, and accessories.

1.2 SUBMITTALS

1. Product Data: Required.
2. Shop Drawings: Required.

1.3 QUALITY ASSURANCE

1. Security: Comply with USPS Handbook RE-5

PART 2 – PRODUCTS

2.1 MANUFACTURERS/PRODUCTS

1. Subject to compliance with project requirements, manufacturer's offering Products which may be incorporated in the Work include the following:

1. Acorn Wire and Iron Works, Chicago, IL.

2. Indiana Wire Products, Incorporated, Greensburg, IN.

3. Kentucky Metal Products Company, Louisville, KY.

4. Central Wire and Iron Works, Des Moines, IA.

2.2 WIRE MESH PARTITIONS

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***REQUIRED****: Do not revise the component sizes or lock types without an approved deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.* *Only delete assemblies that are not needed for project.*

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A. Partition Frame and Wire Mesh:

1. Wire: 10-gauge steel wire woven into 1-1/2 inch mesh, securely clinched to frames.

2. Vertical Frames: 1-1/4 inch x 5/8 inch cold rolled 'C' section channels with 1/4inch bolt holes 12 inches on center; horizontal frames 1-inch x 1/2 inch cold rolled channels. All joints mortised and tenoned.

3. Center Reinforcing Bar: 1-inch x 1/2 inch cold rolled channel tenoned to side frames. All wires shall pass through center bar.

4. Top Capping Bar: 2-1/4 inch x 1 inch cold rolled channel with 1/4 inch 'U' bolts 2 feet and 4 inches on center.

5. Corner Posts: 1-1/4 inch x 1-1/4 inch angles with 1/4 inch bolt holes to match partitions.

6. Floor Sockets (aluminum): 2-1/2 inch high with set screw adjustment.

7. Floor Angle: 1/1/4 inch x 1-1/4 inch angles.

B. Door and Frame:

1. Door Frames: 1-1/4 inch x 1/2 inch channel with 1-1/4 inch x 1/8 inch flat bar covering three sides, 1-3/8 inch x 3/4 inch x 1/8 inch angle riveted to lock side.

2. Doors:

a. Hinged: 1-1/2 pairs butt hinges riveted to both door and transom bar and pull handles both sides.

b. Sliding: Manufacturer's standard hardware assembly, including top support track and floor guide and complete roller assemblies, and pull handle on inside.

c) Closer: Provide a door design or a mechanism that automatically closes and latches the door.

3. Locks:

a. Mortise type cylinder locks operated by key from outside, recessed knob inside, compatible with key system. Provide three keys for each lock.

b. Manufacturer:

 Hinged Doors: Marks Locks W3700.

 Sliding Doors: Marks Locks W3800.

4. Fasteners: Bolts, hardware, and accessories as required.

5. Signage: Provide a “Not an Exit” sign on the inside of the sliding door.

C. Window:

1. Provide sliding window per drawings.

2. Window to be lockable with a padlock.

D. Shelf:

1. Provide shelf as shown in drawings.

E. Finish: Finish of the mesh, posts and frames shall be factory painted gray. Bolts, fasteners and washers shall be galvanized.

F. Security protection for registry cage: 1/4 inch clear acrylic sheet with light transmission of 92% or higher, as manufactured by Plastolite, Inc, Columbus OH 866-832-9315, Alro Plastics, Philadelphia, PA 800-877-2576 or approved equal.

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