SECTION 092900

GYPSUM BOARD

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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

A. SECTION INCLUDES

1. Interior partitions

2. Security walls and ceilings.

2. Exterior soffits

3. Exterior walls.

1.2 SUBMITTALS

A. Product Data: Required

1. Technical Sheet: Indicating manufacturer, product composition, VOC content.
2. Schedule of product locations within product.

1.3 QUALITY ASSURANCE

A. Regulatory Requirements: Applicable code for fire rated assemblies:

1. Partitions: UL Assemblies.

2. Ceiling and soffits: UL Assemblies.

B. Quality Standards: GA-216 - Recommended Specifications for the Application and Finishing of Gypsum Board.

C. Performance Requirements- Acoustic Attenuation for Interior Partitions: Meet minimum requirements of USPS Standard Design Criteria.

D. Security Requirements: USPS Handbook RE-5.

PART 2 – PRODUCTS

2.1 MANUFACTURERS/PRODUCTS

A. Studs and Tracks: Galvanized sheet steel, 20 gage.

B. Gypsum Board (Recycled 100% paper backing and 20% core if applicable):

1. Interior partitions: Standard, moisture resistant and fire rated, 5/8 inch thick, with tapered edges.

2. Exterior sheathing: 1/2 inch thick, square edges.

3. Exterior soffit board: 3/4 inch thick, tapered edges.

2.2. ACCESSORIES/MIXES

A. Acoustical Insulation: Preformed mineral wool, unfaced, 3-1/2 or 6 inch thick.

B. Corner Beads and Edge Trim: GA 201 and GA 216.

C. Joint Materials: Reinforcing tape and joint compound.

D. Fasteners: Type S12 screws.

PART 3 – EXECUTION

3.1 INSTALLATION

A. Metal stud spacing: 24 inches on center.

B. Metal stud spacing for security walls and ceilings: 8 inches on center.

C. Wall furring spacing: 24 inches on center.

D. Fasten gypsum board to furring or framing with screws.

E. Tape, fill, and sand joints. Taping, filling, and sanding is not required at surfaces behind adhesive applied ceramic tile.

F. Stencil ratings on firewalls above ceiling at maximum of 10’-0” on center.

3.2 SCHEDULES

A. Interior Partitions:

1. Metal Studs: Minimum size 3 - 5/8” inch, 20 gage. Design studs based on loading requirements

2. Gypsum Wall Board:

a) Moisture resistant at toilet rooms and wet areas.

b) Foil faced in rooms with humidity control.

B. Wall Furring: 7/8 inch deep hat shaped furring channels at 24 inches on center, zee - furring and rigid board insulation where required for thermal resistance ratings.

C. Exterior Walls: Size of metal studs and spacing are to be designed based on loading requirement.

3.3 FINISH LEVEL SCHEDULE

1. Level 1: Above finished ceilings concealed from view.

1. Tape in joint compound at joints and interior angles. Tool marks and ridges acceptable.

B. Level 2: Utility areas and areas behind cabinetry.

1. Level 1, plus separate coat of compound at joints, angles, fasteners, and accessories. Tool marks and ridges acceptable.

C. Level 4: Walls and ceilings scheduled to receive flat or eggshell paint finish.

1. Level 1, plus three separate coats of compound at joints, angles, fasteners, and accessories. Compound shall be smooth and free of tool marks and ridges.

D. Level 5: Walls and ceilings scheduled to receive semi-gloss or gloss paint finish.

1. Level 4, plus separate skim coat of compound over entire surface of gypsum board.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022