SECTION 099100

PAINTING

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**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.*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. GENERAL
   1. SUMMARY
      1. Section Includes:
         1. Surface preparation and field application of paints and finishes for interior and exterior surfaces.
         2. Schedule of Items to be painted.
         3. Exterior painting and finishing schedule.
         4. Interior painting and finishing schedule.
      2. Related Documents: The Contract Documents, as defined in Section 011000 - Summary of Work, apply to the Work of this Section. Additional requirements and information necessary to complete the Work of this Section may be found in other Documents.
      3. Related Sections:
         1. Section 055000 - Metal fabrications
         2. Section 055213 - Pipe and Tube Railings
         3. Section 081100 - Metal Doors and Frames: Shop priming.
   2. REFERENCES
      1. American Society for Testing and Materials (ASTM):
         1. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials.
   3. SUBMITTALS
      1. Section 013300 - Submittals: Procedures for submittals.
         1. Product Data: Submit product data for each type of paint specified.
            1. Technical data sheets indicating manufacturer's catalog number, paint type description, and VOC content.
            2. Painting Schedule listing surfaces to be painted with cross reference to the specific painting and finishing system and application. Identify each paint material by manufacturer's catalog number and general classification.
         2. Samples: Submit color brush-out sample for each paint color and sheen specified.
            1. Three samples on 8 1/2-inch x 11-inch card stock for color and sheen verification.
            2. Identify each sample by paint manufacturer, paint type, color, and sheen.
         3. Assurance/Control Submittals:
            1. Test Reports: Submit manufacturer's Safety Data Sheets (SDS) for each paint type proposed.
   4. QUALITY ASSURANCE
      1. Applicator Qualifications: Company specializing in performing Work of this Section with minimum five years documented experience.
      2. Regulatory Requirements:
         1. Surface Burning Characteristics in Accordance with ASTM E-84 for Class I or A finish:
            1. Flame Spread (Non-Combustible Surfaces): Less than 25.
            2. Smoke Density (Non-Combustible Surfaces): Less than 450.
         2. Provide paint and coating materials that conform to Federal, State, and Local restrictions for Volatile Organic Compounds (VOC) content.
   5. DELIVERY, STORAGE AND HANDLING
      1. Section 016000 - Product Requirements: Transport, handle, store, and protect products.
      2. Deliver paint materials in sealed original labeled containers, bearing manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and/or reducing.
      3. Store paint materials at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's published instructions.
      4. Prevent fire hazards and spontaneous combustion.
   6. PROJECT CONDITIONS OR SITE CONDITIONS
      1. Environmental Requirements:
         1. Apply paint finishes only when moisture content of surfaces is within manufacturer's acceptable ranges for type of finish being applied.
         2. Surface temperatures or surrounding air temperature to be above 40 degrees F before applying alkyd finishes; above 45 degrees F for interior latex, and 50 degrees F for exterior latex work. Minimum for varnish and transparent finishes is 65 degrees F.
         3. Provide continuous ventilation and heating facilities to maintain temperatures above 45 degrees F for 24 hours prior to, during and 48 hours after application of finishes.
         4. Do not apply paint in areas where dust is being generated.
         5. Provide lighting level in areas being painted of 80-foot candles measured mid-height at substrate surface.
   7. MAINTENANCE
      1. Section 017704 - Closeout Procedures and Training: Procedures for closeout submittals.
      2. Extra Materials:
         1. Provide one gallon of each color, type and sheen to USPS Project Manager.
         2. Label each container with color, type, texture, room locations, in addition to the manufacturer's label.
2. PRODUCTS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

\*\*Required: Do not revise the manufacturers and products, except as noted below, without an approved Deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* 1. MANUFACTURERS
     1. Subject to compliance with project requirements, manufacturers offering specified items which may be incorporated in the work include the following:
        1. Benjamin Moore and Company, Montvale, NJ (201) 573-9600.
        2. PPG Paints, Pittsburgh, PA (800) 441-9695.
        3. Sherwin-Williams Company, Cleveland, OH (800) 321-8194.
     2. Section 016000 - Product Requirements: Product options and substitutions. Substitutions: Permitted.
  2. MATERIALS
     1. Paints:
        1. Manufacturer’s “Best Grade” for each type specified.
        2. Ready‑mixed; pigments fully ground maintaining a soft paste consistency, capable of readily and uniformly dispersing to a complete homogeneous mixture.
        3. Providing good flowing and brushing properties and be capable of drying or curing free of streaks or sags.
        4. VOC limits (g/L) for exterior and interior paint applications:
           1. Exterior- Steel-Shop Primed

Top Coat – Non-Flat: 150

Top Coat - Gloss: 250

* + - * 1. Exterior- Steel - Galvanized

Primer Coat: 200

Top Coat - Non-Flat: 150

Top Coat - Gloss: 250

* + - * 1. Interior Wood – Transparent

Stain: 250

Varnish: 350

* + - * 1. Interior Concrete, Concrete Block

Block filler: 300

Top Coat – Flat: 100

Top Coat – Non-Flat: 150

Top Coat – Gloss: 250

* + - * 1. Interior Steel – Unprimed

Rust Prime Coat: 400

Top Coat – Non-Flat: 150

Top Coat – Gloss: 250

* + - * 1. Interior Steel – Primed

Top Coat – Flat: 100

Top Coat – Non-Flat: 150

Top Coat – Gloss: 250

* + - * 1. Interior Steel – Galvanized

Top Coat – Non-Flat: 150

Top Coat – Gloss: 250

* + - * 1. Interior Plaster, Gypsum Board

Undercoater: 200

Top Coat - Flat: 100

Top Coat – Non-Flat: 150

Top Coat – Gloss: 250

* + 1. Primers and Undercoaters: Manufactured by same manufacturer as finish coat materials.
    2. Paint Accessory Materials: Linseed oil, shellac, turpentine and other materials not specifically indicated herein but required to achieve the finishes specified of high quality and approved manufacturer.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

Verify Product numbers and availability at time of Project Manual preparation for Project.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* 1. EXTERIOR PAINT SYSTEMS
     1. Benjamin Moore:
        1. Ferrous Metal: Semi-Gloss, Water Base, Alkyd Primer/Acrylic Latex.
           1. Primer: V110 Acrylic Metal Primer, 3.5-4.6 mils wet, 1.4-1.9 mils dry.
           2. Each Finish Coat: V331 Acrylic DTM Enamel Semi-Gloss; 4.6-5.3 mils wet, 1.9-2.3 mils dry.
        2. Galvanized Metal: Semi-Gloss, Water Base, Alkyd Primer/Acrylic Latex.
           1. Primer: V110 Acrylic Metal Primer; 3.5-4.6 mils wet, 1.4-1.9 mils dry.
           2. Each Finish Coat: V331 Acrylic DTM Enamel Semi-Gloss; 4.6-5.3 mils wet, 1.9-2.3 mils dry.
     2. PPG Paints:
        1. Ferrous Metal: Semi-Gloss, Water Base, Alkyd Primer/Acrylic Latex.
           1. Primer: 4020 PF Pitt-Tech Plus DTM Interior/Exterior Primer; MDF 3.0 mils.
           2. Each Finish Coat: 90-1110 Series Acrylic Enamel Satin; MDF 3.0 mils.
        2. Galvanized Metal: Semi-Gloss, Water Base, Alkyd Primer/Acrylic Latex.
           1. Primer: 4020 PF DTM Interior/Exterior Primer; MDF 3.0 mils.
           2. Each Finish Coat: 90-1110 Acrylic Enamel Satin; MDF 3.0 mils.
        3. Concrete/Masonry Semi-Gloss Acrylic Latex MDF 1.5 mil.

a. Primer: 4-22 Perma Crete High Build 100% Acrylic Primer 7.0 mil.

b. Each Finish Coat: 4-22 Perma Crete High Build Acrylic Top Coat 1.5 mil.

* + 1. Sherwin-Williams:
       1. Ferrous Metal: Semi-Gloss, Low VOC, Alkyd Primer/Acrylic Latex.
          1. Primer: Pro-Cryl Universal Water-Based Primer, B66-1310 Series, MDF 3.0 mils.
          2. Each Finish Coat: DTM Acrylic B66 Series; MDF 3.0 mils.
       2. Galvanized Metal: Semi-Gloss, Water Base, Alkyd Primer/Acrylic Latex.
          1. Primer: Pro-Cryl Universal Water Based Primer, B66-1310 Series, MDF 3.0 mils.
          2. Each Finish Coat: DTM Acrylic B66 Series; MDF 3.0 mils.
       3. Concrete/Masonry Semi-Gloss Acrylic Latex MDF 1.5 mil.

a. Primer: Loxon Concrete & Masonry Primer MDF 3.0 mils.

b. Each Finish Coat: A-100 Exterior Acrylic, A8 Series MDF 3.0 mils.

* 1. INTERIOR PAINT SYSTEMS
     1. Benjamin Moore:
        1. Gypsum Board: Eggshell, Water Base, Acrylic Latex.
           1. Primer: N534 Interior Latex Primer; 4.3 mils wet, 1.4 mils dry.
           2. Each Finish Coat: Moorecraft Super-Hide Eggshell 286.
        2. Masonry: Eggshell, Water Base, Acrylic Latex.
           1. Primer: 571 Ultra Spec Hi-Build Masonry Block Filler; 16-21 mils wet, 8.5-11.4 mils dry
           2. Each Finish Coat: 485 Ultra Spec Scuff-X Interior Eggshell; 4.0-4.5 mils wet, 1.6-1.8 mils dry.
        3. Metal: Satin, Water Base, Acrylic Latex.
           1. Each Finish Coat: WH25 Ultra Spec HP DTM Acrylic Low Lustre Enamel; 5.2 mils wet, 2.3 mils dry.
        4. Wood: Satin, Water Base, Acrylic Latex.
           1. Primer: AQ-0400 Aqua Lock Plus 100% Acrylic Primer Sealer; 4.0-5.3 mils wet, 1.6-2.2 mils dry.
           2. Each Finish Coat: 485 Ultra Spec Scuff-X Interior Eggshell; 4.0-4.5 mils wet, 1.6-1.8 mils dry.
        5. Concrete: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer: 571 Ultra Spec Hi-Build Masonry Block Filler, 16-21 mils wet, 8.5-11.4 mils dry.
           2. Each Finish Coat: 487 Ultra Spec Scuff-X Interior Semi-Gloss Finish, 4.3 mils wet, 1.6 mils dry.
        6. Ferrous Metal: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer: V110 Acrylic Metal Primer; 3.5-4.6 mils wet, 1.4-1.9 mils dry.
           2. Each Finish Coat: 487 Ultra Spec Scuff-X Interior Semi-Gloss Finish, 4.3 mils wet, 1.6 mils dry.
        7. Wood Cabinets and Wood Shelves: Semi-Gloss, Water Base, Acrylic Latex.
           1. Enamel Undercoater: AQ-0400 Aqua Lock Plus 100% Acrylic Primer Sealer; 4.0-5.3 mils wet, 1.6-2.2 mils dry.
           2. Each Finish Coat: CC-66 Cabinet Coat Trim & Cabinet Enamel Semi-Gloss; 3.6-4.6 mils wet, 1.3-1.6 mils dry.
     2. PPG Paints:
        1. Gypsum Board: Eggshell, Water Base, Acrylic Latex.
           1. Primer: 6-2 Speedhide Latex Sealer; MDF 1.0 mils.
           2. Each Finish Coat: 6-411 Speedhide Eggshell Latex; MDF 1.5 mils.
        2. Masonry: Eggshell, Water Base, Acrylic Latex.
           1. Primer: 6-7 Speedhide Block Filler; MDF 10.2 mils.
           2. Each Finish Coat: 6-411 Speedhide Eggshell Latex; MDF 1.5 mils.
        3. Metal: Satin, Water Base, Acrylic Latex.
           1. Primer: 4020 PF DTM Waterborne Acrylic Prime MDF 2.2mils.
           2. Each Finish Coat: 1110 HP Series DTM Acrylic Satin; MDF 1.5 mils.
        4. Wood: Satin, Water Base, Acrylic Latex.
           1. Primer: 17-921XI 100 Percent Acrylic Universal Primer; MDF 1.5 mils.
           2. Each Finish Coat: 90-1110 DTM Acrylic Satin; MDF 1.5 mils.
        5. Concrete: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer: 6-7 Speedhide Block Filler; MDF 10.2 mils.
           2. Each Finish Coat: 6-500 Speedhide Semi-Gloss Latex; MDF 1.2 mils.
        6. Ferrous Metal: Semi-Gloss, Water Base, Acrylic Latex.
           1. Each Finish Coat: 90-474 DTM Acrylic Satin; MDF 1.5 mils.
        7. Wood Cabinets and Wood Shelves: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer/Sealer: 17-921XI 100 Percent Acrylic Universal Primer; MDF 1.5 mils.
           2. Each Finish Coat: 90-474 DTM Acrylic Satin; MDF 1.5 mils.
     3. Sherwin Williams:
        1. Gypsum Board: Zero VOC, Eg-shell, Water Base, Acrylic Latex.
           1. Primer: ProMar 200 Zero VOC Primer, B28W2600, MDF 1.0 mils.
           2. Each Finish Coat: Scuff Tuff Eg-Shel, S24-50 Series MDF 1.6 mils.
        2. Masonry: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer: PrepRite Interior/Exterior Block Filler, B25W25; MDF 3.0 mils.
           2. Two Finish Coats: ProMar 200 HP Zero VOC Interior Latex Semi-Gloss, B31W1950 Series: MDF 1.5 mils.
        3. Metal: Semi-Gloss, Water Base, Acrylic Latex.
           1. Each Finish Coat: Pro Industrial DTM Acrylic S-G, B66-1151 Series; MDF 3.0 mils.
        4. Wood: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer: Wall & Wood Primer, B28W08111, MDF 1.6 mils.
           2. Each Finish Coat: Pro Industrial Waterborne Alkyd Urethane S-G, B53-1150 Series MDF 1.4 mils.
        5. Concrete: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer: Loxon Concrete & Masonry Primer; MDF 10.0 mils.
           2. Each Finish Coat: Pro Industrial Waterborne Alkyd Urethane S-G B53-1150 Series, MDF 1.4 mils.
        6. Ferrous Metal: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer: Pro-Cryl Universal Water Based Primer, B66-1310 Series, MDF 3.0 mils.
           2. Each Finish Coat: Pro Industrial DTM Acrylic S-G, B66-01151 Series; MDF 3.0 mils.
        7. Wood Cabinets and Wood Shelves: Semi-Gloss, Water Base, Acrylic Latex.
           1. Primer/Sealer: Wall & Wood Primer, B2808111, MDF 1.6 mils.
           2. Each Finish Coat: Pro Industrial Waterborne Alkyd Urethane S-G B53-1150 Series, MDF 1.4 mils.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

Verify with the USPS Environmental Specialist before including LEAD ENCAPSULATING COATINGS.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* 1. INTERIOR LEAD ENCAPSULATING COATINGS
     1. Product: Lead encapsulating coating as manufactured by Benjamin Moore.
        1. Benjamin Moore: Insl-X Lead Block, Lead Encapsulating Coating, Eggshell EC-3210.
           1. Base Coat: to be applied over properly prepared substrates of drywall, plaster, wood, masonry or metal surfaces for walls, trim and ceilings, MDF 14-16 mils wet. Do not use on surfaces that may be exposed to friction wear. Compatible finish coats may be applied. Prepare and install base coat per manufacturer’s recommendations.

1. EXECUTION
   1. EXAMINATION
      1. Section 017300 - Execution: Verification of existing conditions before starting work.
      2. Verification of Conditions: Verify that field measurements, surfaces, substrates and conditions are as required, and ready to receive Work.
      3. Report in writing to USPS Project Manager prevailing conditions that will adversely affect satisfactory execution of the Work of this Section. Do not proceed with Work until unsatisfactory conditions have been corrected.
      4. By beginning Work, Contractor accepts conditions and assumes responsibility for correcting unsuitable conditions encountered at no additional cost to the United States Postal Service.
   2. PREPARATION
      1. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, and conditions otherwise detrimental to formation of a durable paint film.
      2. Perform preparation and cleaning procedures in accordance with paint manufacturer's published instructions for each particular substrate condition.
         1. Provide barrier coats over incompatible primers or remove and reprime as required.
         2. Remove hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items in place and not to be painted or provide surface applied protection prior to surface preparation and painting operations. Reinstall all removed items after completion of paint work.
         3. Clean surfaces to be painted before applying paint of surface treatment. Remove oil and grease prior to mechanical cleaning.
      3. Ferrous Metals: Clean ferrous surfaces that are not galvanized or shop-coated, of oil, grease, dirt, loose mill scale and other foreign substances by solvent or mechanical cleaning.
         1. Touch-up shop-applied prime coats, where damaged or bare. Clean and touch-up with same type shop primer.
      4. Galvanized Surfaces: Clean free of oil and surface contaminants with non-petroleum-based solvent. Apply coat of etching primer if required by paint manufacturer.
      5. Cementitious Materials: Prepare cementitious surfaces to be painted by removing efflorescence, chalk, dust, dirt, grease, oils, and by roughening as required to remove glaze.
         1. Determine alkalinity and moisture content of surfaces to be painted by performing appropriate tests.
            1. If surfaces are found to be sufficiently alkaline to cause blistering and burning of finish paint, correct condition before application of paint.
         2. Do not paint over surfaces where moisture content exceeds that permitted in manufacturer's printed instructions.
         3. Clean floor surfaces scheduled to be painted with a commercial solution of muriatic acid, or other etching cleaner. Flush floor with clean water to neutralize acid and allow to dry before painting.
      6. Wood: Clean wood surfaces to be painted of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sandpaper smooth those finished surfaces exposed to view and dust off. Scrape and clean small, dry, seasoned knots and apply a thin coat of white shellac or other recommended knot sealer, before application of priming coat. After priming, fill holes, and imperfections in finish surfaces with putty or plastic wood-filler. Sandpaper smooth when dried.
         1. Prime, stain, or seal wood required to be job-painted immediately upon delivery to job. Prime edges, ends faces, undersides, and backsides of such wood, including cabinets and counters.
         2. Seal tops, bottoms, and cut-outs with a heavy coat of varnish or equivalent sealer immediately upon delivery to job.
      7. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.
   3. APPLICATION
      1. Apply paint products in accordance with manufacturer's published instructions using application procedures approved for the particular application and substrate to the specified Minimum Dry Film Thickness (MDF). Apply each coat to uniform finish.
      2. Apply each coat slightly darker than preceding coat unless otherwise approved by USPS Project Manager. Sand lightly between coats to achieve specified finish.
      3. Do not apply finishes on surfaces that are not dry.
      4. Number of coats and film thickness required is same regardless of application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer.
      5. Apply additional coats when undercoats, stains, or other conditions show through final coat until paint film is of uniform finish, color, and appearance. Surfaces, including edges, corners, crevices, welds, and exposed fasteners to receive minimum dry film thickness equivalent to that of flat surfaces.
      6. Minimum Coating Thickness: Apply materials at not less than manufacturer's recommended spreading rate. Provide minimum dry film thickness (MDF) of the entire coating system as indicated in Painting and Finishing Schedule at end of this Section.
      7. Block Fillers: Apply block fillers to concrete masonry units at rate to provide complete coverage with pores filled.
      8. Prime Coats: Before application of finish coats, apply a prime coat of material as recommended by manufacturer to material scheduled to be painted or finished that has not been shop primed. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to assure a finish coat with no burn through or other defects due to insufficient sealing.
      9. Pigmented (Opaque) Finishes: Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, laps, brush marks, runs, sags, or other surface imperfections will not be acceptable.
      10. Hollow Metal Doors: Paint each door edge.
      11. Completed Work: Match USPS Project Manager approved field samples for color and sheen.
   4. MECHANICAL AND ELECTRICAL EQUIPMENT
      1. Clean or replace identification markings on mechanical or electrical equipment when painted over or spattered.
      2. Paint both sides and edges of plywood backboards for electrical equipment before installing backboards and mounting equipment on them.
      3. Pre-paint Gas piping prior to installation. (Touch-up paint after installation.)
         1. Color:
            1. Roof (Yellow): OSHA Standard "Safety Yellow."
            2. Other Areas: Match adjacent surfaces.
      4. At Workroom locations, paint red background on wall and columns behind fire extinguisher extending 6 inches on both sides of the extinguisher and from floor to ceiling, or to 12 feet above floor, whichever is lower. Color is to be OSHA Standard "Safety Red” and in accordance with ANSI Z53.1.
   5. FIELD QUALITY CONTROL
      1. Section 014000 - Quality Requirements: Field testing and inspection.
      2. Inspect painting and coating application for scheduled material, color, sheen, specified thickness (MDF), and coverage.
   6. CLEANING
      1. As work proceeds and upon completion, promptly remove paint where spilled, splashed, or spattered.
      2. During progress of work keep premises free from any unnecessary accumulation of tools, equipment, surplus materials, and debris.
      3. Collect waste, cloths, and material which may constitute a fire hazard, place in closed metal containers and remove daily from site.
      4. Upon completion of work leave premises neat and clean.
   7. PROTECTION
      1. Protect other surfaces from paint and damage. Repair damage as a result of inadequate or unsuitable protection.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

\*\*Required: Do not revise the COLOR SCHEDULE, except as noted below, without an approved Deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.

Coordinate with Finish Schedule on the Drawings. Verify colors with USPS Project Manager.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* 1. COLOR SCHEDULE
     1. Any proposal to substitute a color is to include manufacturer’s certification that the color matches the specified Munsell notation, or Pantone Color Matching System (PMS) number.
     2. P-1 White (Munsell notation: #5Y 9.25/0.5NN)
        1. Benjamin Moore: #968, Dune White.
        2. PPG Paints: #512-1, Winter Mood.
        3. Sherwin-Williams: #SW 7636, Origami White
     3. P-2 Light Gray (Munsell notation: #N8.0)
        1. Benjamin Moore: #1612 Pelican Gray.
        2. Sherwin-Williams: #SW 7662, Evening Shadow
     4. P-3 (Not Used)
     5. P-4 Red (Match PMS 485C “Postal Red”) Custom Match
     6. P-5 Blue (Match PMS 301C “Postal Blue”) Custom Match
     7. P-6 Medium Gray (Munsell notation: #10B7/1)
        1. Sherwin Williams: SW#1232, Dublin Gray (custom mix)
     8. P-7 Semi-gloss Black
  2. SCHEDULE OF ITEMS TO BE PAINTED

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

The following items to be painted are typically used. Edit as relating to the particular Project. Verify painting of exterior concrete with USPS Project Manager.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* + 1. Painted finishes shall be provided for, but not limited to, the following items. Refer to Drawings and Paint Color Schedule above for designated finishes and colors of areas.
       1. Exterior: All exterior surfaces including, but not limited to:
          1. Hollow metal doors and frames.
          2. Metal opening frames and trim.
          3. Metal flashing (if exposed from ground level) and downspout.
          4. Metal gravelstops (vertical face).
          5. Pipe Bollards, if not to receive plastic covers specified in Section 055000.
          6. Metal railings.
          7. Roof hatch.
          8. Canopy supporting steel structure.
          9. Wall louvers.
          10. Exposed concrete.
          11. Exposed concrete masonry.
          12. Stucco/cement plaster.
       2. Interior: All interior surfaces as scheduled on Drawings including, but not limited to:
          1. Hollow metal doors and frames.
          2. Hollow metal window frames.
          3. Metal opening frames and trim.
          4. Gypsum wallboard.
          5. Exposed concrete unit masonry.
          6. Pipe Bollards.
          7. Metal railings.
          8. Exposed structure columns.
          9. Metal stair stringers and handrails.
          10. Exposed wood trim.
    2. Do not paint the following items:

1. Pre-finished items:
   1. Aluminum, brass, bronze, stainless steel, and chrome plated steel.
   2. Pre-finished items, such as toilet compartments, acoustical ceiling materials, mechanical, and electrical equipment.
   3. UL, FM, and other code‑required labels.
   4. Equipment identification, performance rating, and name plates.
   5. Finish hardware.
   6. Factory finished metal wall panels, metal wall panel trim, and metal gravel stops.
2. Exposed items:
   1. Exposed mechanical ductwork, hangers, and supports.
   2. Exposed piping and conduit, hangers and supports.
   3. Exposed fire protection piping, hangers and supports.
   4. Exposed roof structure.
   5. Exposed roof deck.
   6. PAINTING AND FINISHING SCHEDULE
      1. Interior Paint Systems:
         1. Interior Gypsum Wallboard:
            1. 1 coat Latex Wall Primer.
            2. 1 coat Latex Eggshell Enamel

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

***NOTE TO SPECIFIER***

*Colors P-4 Red and P-5 Blue must be applied with a sufficient number of coats to match the applied wall graphics.*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* + - 1. Interior Gypsum Wallboard Painted P-4 and P-5:
         1. 1 coat Latex Wall Primer
         2. 5 coats Latex Eggshell Enamel
      2. Interior Masonry:
         1. 1 coat Latex Block Filler
         2. 1 coat Latex Eggshell Enamel
      3. Interior Metal:
         1. 2 coats Latex Satin
      4. Interior Wood (painted):
         1. 1 coat Enamel Undercoat
         2. 2 coats Alkyd Semi-Satin Enamel
      5. Cast-In-Place Concrete:
         1. One coat of Latex Masonry Block Filler.
         2. Two tinted coats of Acrylic Latex Semi-Gloss Enamel.
      6. Wood Doors - Painted.
         1. One coat Enamel Undercoat.
         2. Two tinted coats of Latex Semi-Gloss Enamel.
      7. Ferrous Metals
         1. Touch up Prime Coat.
         2. Two tinted coats of Alkyd Enamel Semi-Gloss.
      8. Wood Cabinets, Shelves, etc. - exposed surfaces.
         1. One coat Primer-Sealer.
         2. One coat Enamel Undercoat.
         3. One coat Alkyd Enamel Semi-Gloss Enamel.
      9. Epoxy Concrete Floor System (VMF Service Bay)
         1. One coat Primer
         2. One coat Epoxy 100% solids
         3. Option One coat Urethane
    1. Exterior Paint Systems:
       1. Galvanized Metal:
          1. Touch up Prime Coat.
          2. Two tinted coats Exterior Alkyd Enamel Semi-Gloss Enamel.
       2. Ferrous Metals:
          1. Touch up Prime Coat.
          2. Two tinted coats Exterior Alkyd Enamel Semi-Gloss Enamel.
       3. Concrete/Masonry/Stucco

a. Prime Coat.

b. Two tinted coats Exterior Acrylic Latex Semi-Gloss.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022