PART 1 GENERAL

1.01 SECTION INCLUDES
   A. Surface preparation.
   B. Field application of paints.
   C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
      1. Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
      2. Elevator pit ladders.
   D. Do Not Paint or Finish the Following Items:
      1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
      2. Items indicated to receive other finishes.
      3. Items indicated to remain unfinished.
      4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
      5. Stainless steel, anodized aluminum, bronze, terne coated stainless steel, and lead items.
      6. Marble, granite, slate, and other natural stones.
      7. Floors, unless specifically indicated.
      8. Ceramic and other tiles.
     10. Glass.
     11. Acoustical materials, unless specifically indicated.
     12. Concealed pipes, ducts, and conduits.

1.02 RELATED REQUIREMENTS
   A. Section 01.61.16 - Volatile Organic Compound (VOC) Content Restrictions.
   B. Section 05.50.00 - Metal Fabrications: Shop-primed items.
   C. Section 05.51.00 - Metal Stairs: Shop-primed items.
   D. Section 09.91.13 - EXTERIOR PAINTING.

1.03 DEFINITIONS
   A. Conform to ASTM D16 for interpretation of terms used in this section.

1.04 REFERENCE STANDARDS
   C. SSPC-SP 1 - Solvent Cleaning; 2015.
   E. SSPC-SP 6 - Commercial Blast Cleaning; Society for Protective Coatings; 2007.
1.05 SUBMITTALS

A. See Section 01.30.00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide complete list of products to be used, with the following information for each:
   1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
   2. MPI product number (e.g. MPI #47).
   3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.

C. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
   1. Where sheen is specified, submit samples in only that sheen.
   2. Where sheen is not specified, submit each color in each sheen available.
   3. Allow 30 days for approval process, after receipt of complete samples by Architect.
   4. Paint color submittals will not be considered until color submittals for major materials not to be painted, such as masonry, have been approved.

D. Certification: By manufacturer that paints and finishes comply with VOC limits specified.

E. Manufacturer's Instructions: Indicate special surface preparation procedures.

F. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used, product technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, touch-up procedures, repair of painted and finished surfaces, and color samples of each color and finish used.

1.06 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.

B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum 5 years experience and approved by manufacturer.

1.07 MOCK-UP

A. See Section 01.40.00 - Quality Requirements, for general requirements for mock-up.

B. Provide door and frame assembly illustrating paint color, texture, and finish.

C. Locate where directed by Architect.

D. Mock-up may remain as part of the work.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include 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 reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.09 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Do not apply materials when relative humidity exceeds 85 percent; at temperatures less than 5 degrees F above the dew point; or to damp or wet surfaces.

D. Minimum Application Temperatures for Paints: 50 degrees F for interiors unless required otherwise by manufacturer's instructions.

E. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide paints and finishes from the same manufacturer.

B. Paints:

C. Substitutions: See Section 01.60.00 - Product Requirements.

2.02 PAINTS AND FINISHES - GENERAL

A. Paints and Finishes: Ready mixed, unless intended to be a field-catalyzed paint.
   1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
   2. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
   3. Supply each paint material in quantity required to complete entire project's work from a single production run.
   4. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

B. Volatile Organic Compound (VOC) Content: Comply with Section 01.61.16.

C. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

D. Colors: To be selected from manufacturer's full range of available colors.
   1. Selection to be made by Architect after award of contract.
   2. Extend colors to surface edges; colors may change at any edge as directed by Architect.

2.03 PAINT SYSTEMS - INTERIOR

A. Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board and shop primed steel.
   1. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #143, 144, 145, 146, 147, or 148.
      a. Products:
         1) PPG Paints Pure Performance Interior Latex, 9-300XI Series, Eggshell. (MPI #144)
   2. Top Coat Sheen:
      a. Flat: MPI gloss level 1; use this sheen for ceilings and other overhead surfaces.
      b. Velvet: MPI gloss level 2; use this sheen at all locations.
c. Eggshell: MPI gloss level 3; use this sheen at all locations.
d. Satin: MPI gloss level 4; use this sheen for items subject to frequent touching by occupants, including door frames and railings.
e. Semi-Gloss: MPI gloss level 5; use this sheen at all locations.

B. Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including metals:
1. Medium duty applications include doors, door frames, railings, handrails, and guardrails.
2. Two top coats and one coat primer.
3. Top Coat(s): Interior Light Industrial Coating, Water Based; MPI #153 or 154.
   a. Products:
       1) PPG Paints Pitt-Tech Plus, 90-1210 Series, Semi-Gloss. (MPI #153)
4. Top Coat Sheen:
   a. Satin: MPI gloss level 4; use this sheen at all locations.
   b. Semi-Gloss: MPI gloss level 5; use this sheen at all locations.

C. Medium Duty Vertical and Overhead: Including gypsum board, concrete, concrete masonry units, uncoated steel, and shop primed steel.
1. Two top coats and one coat primer.
2. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #143, 144, 145, 146, 147, or 148.
   a. Products:
       1) PPG Paints Speedhide zero Latex, 6-4310XI Series, Eggshell. (MPI #44)
3. Top Coat Sheen:
   a. Eggshell: MPI gloss level 3; use this sheen at all locations.

D. Dry Fall: Metals; exposed structure and overhead-mounted services, including shop primed steel deck, structural steel, metal fabrications, galvanized ducts, galvanized conduit, and galvanized piping, where located in West Club.
1. Shop primer by others.
2. One top coat ______.
3. Top Coat: Latex Dry Fall; MPI #118, 155, or 226.
   a. Products:
       1) PPG Paints Speedhide Super Tech Water Based Interior Dry-Fog, 6-723XI, 6-725XI, Flat.
4. Top Coat Sheen:
   a. Flat: MPI gloss level 1; use this sheen at all locations.

2.04 PRIMERS

A. Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.
1. Alkali Resistant Water Based Primer; MPI #3.
   a. Products:
       1) PPG Paints Seal Grip Acrylic Primer, 17-921 Series. (MPI #3)
2. Interior Institutional Low Odor/VOC Primer Sealer; MPI #149.
   a. Products:
       1) PPG Paints Pure Performance Interior Latex Primer, 9-900.
3. Interior/Exterior Latex Block Filler; MPI #4.
   a. Products:
       1) PPG Paints Speedhide Masonry Hi Fill Latex Block Filler, 6-15. (MPI #4)
4. Interior Latex Primer Sealer; MPI #50.
   a. Products:
       1) PPG Paints Speedhide Interior Latex Sealer, 6-2. (MPI #50)
5. Interior Rust-Inhibitive Water Based Primer; MPI #107.
   a. Products:
1) PPG Paints Pitt-Tech Plus DTM Industrial Primer, 90-912 Series. (MPI #107)

6. Interior Water Based Primer for Galvanized Metal; MPI #134.
   a. Products:
      1) PPG Paints Pitt-Tech Plus DTM Industrial Primer, 90-912 Series. (MPI #134)

7. Stain Blocking Primer, Water Based; MPI #137.
   a. Products:
      1) PPG Paints Seal Grip Acrylic Primer, 17-921 Series. (MPI #137)

8. Bonding Primer, Water Based; MPI #17.
   a. Products:
      1) PPG Paints Seal Grip Acrylic Primer, 17-921 Series. (MPI #17)

2.05 ACCESSORY MATERIALS

A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin application of paints and finishes until substrates have been properly prepared.

B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.

D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

E. Test shop-applied primer for compatibility with subsequent cover materials.

F. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
   1. Gypsum Wallboard: 12 percent.
   2. Masonry, Concrete, and Concrete Masonry Units: 12 percent.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Concrete:

F. Masonry:

G. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.

H. Galvanized Surfaces:
   1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
   2. Prepare surface according to SSPC-SP 2.

I. Ferrous Metal:
1. Solvent clean according to SSPC-SP1.
3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning”. Protect from corrosion until coated.

J. Wood Doors to be Field-Finished: Seal wood door top and bottom edge surfaces with clear sealer.
K. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual”.
C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
D. Apply each coat to uniform appearance in thicknesses specified by manufacturer.
E. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.
F. Sand wood and metal surfaces lightly between coats to achieve required finish.
G. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
H. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

A. Protect finishes until completion of project.
B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION