PART 1 - GENERAL

SPEC NOTES:

.1   *Use this guide specification when a "short form" specification is required to specify painting and decorating work on new, previously unpainted surfaces.*

.2   *Refer to the **MPI** Architectural Manual "long form" painting specification for guidance and spec notes when using this specification.*

1.1   Description:

SPEC NOTE: *This article (1.1) is not intended to "scope" the work but to serve as a general description. The onus of defining the extent of this section of Work remains with the Project General Contractor, who will ensure that the area / scope of responsibility of any Subcontractor / supplier is set out in full detail when awarding the painting and decorating subcontract. The extent of this section of Work is also governed by the limits of local trade agreements and conditions.*

.1   Section Includes: All labor, materials, tools and other equipment, services and supervision required to complete all interior painting and decorating work as indicated on Finish Schedules and to the full extent of the drawings and specifications.

.2   The Work shall also <u>include</u>, but not necessarily be limited to surface preparation of substrates as required for acceptance of painting, including cleaning, small crack repair, patching, caulking, making good surfaces and areas, pre-treatment, priming and back-priming to the extent / limits defined under **MPI** preparation requirements.

.3   [Provide Unit, Separate and/or Alternative Prices for items indicated in Section [01215] and/or on Bid Form.]

1.2   Quality Assurance:

.1   This Contractor shall have a minimum of five (5) years proven satisfactory experience and shall maintain a qualified crew of painters throughout the duration of the work.

.2   Only qualified journeypersons, as defined by local jurisdiction shall be engaged in painting and decorating work. Apprentices may be employed provided they work under the direct supervision of a qualified journeyperson in accordance with trade regulations.

.3   All materials, preparation and workmanship shall conform to requirements of the <u>latest edition</u> of the Architectural Painting Specification Manual by the Master Painters Institute (**MPI**) (hereafter referred to as the **MPI** Painting Manual).

.4   All paint manufacturers and products used shall be as listed under the Approved Product List section of the **MPI** Painting Manual.

.5   All painting and decorating work shall be inspected by an MPI Certified Architectural Coatings Inspector, or an equally qualified Paint Inspection Agency (inspector) acceptable to the specifying authority. The painting contractor shall <u>notify the Inspector/Paint Inspection Agency a minimum of one week prior to commencement of work</u> and provide a copy of the project painting specification, plans and elevation drawings (including pertinent details) as well as a Finish Schedule.

.6   **All surfaces requiring painting shall be inspected** by the MPI Certified Architectural Coatings Inspector, or an equally qualified Paint Inspection Agency (inspector) acceptable to the specifying authority, who shall notify the Consultant and General Contractor in writing of any defects or problems, <u>prior to commencing painting work</u>, or after the prime coat shows defects in the substrate.

.7   The painting contractor shall receive written confirmation of the specific surface preparation procedures and primers used for all fabricated steel items from the fabricator / supplier to ascertain appropriate and manufacturer compatible finish coat materials to be used before painting any such work.

1.3   Regulatory Requirements:

.1   Conform to workplace safety regulations and requirements of those authorities having jurisdiction for storage, mixing, application and disposal of all paint and related hazardous materials.

1.4   Submittals / Mock-Up:

.1   Submit consent of surety with Bid Submission as proof of ability to supply a 100% two (2) year Maintenance Bond.

.2   If requested, submit a list of all painting materials to the Consultant and the Inspector/Paint Inspection Agency for review prior to ordering materials. If requested, provide an invoice list of all paint materials ordered for project work to Inspector/Paint Inspection Agency indicating manufacturer, types and quantities for verification and compliance with specification and design requirements.

.3   Submit two sets of Safety Data Sheets (SDS) prior to commencement of work for review and for posting at job site as required.

.4   At project completion provide an itemized list complete with manufacturer, paint type and color-coding for all colors used for Owner's later use in maintenance.

.5   When requested by the Consultant or Inspector/Paint Inspection Agency prepare and paint designated surface, area, room or item (in each color scheme) to requirements specified herein, with specified paint or coating showing selected colors, gloss / sheen, textures and workmanship to **MPI** Painting Manual standards for review and approval. When approved, surface, area, room and/or items shall become acceptable standard of finish quality and workmanship for similar on-site work.

1.5   Product Delivery, Storage, and Handling:

.1   Deliver and store all painting materials in sealed, original labeled containers bearing manufacturer's name, brand name, type of paint or coating and color designation, standard compliance, materials content as well as mixing and/or reducing and application requirements in strict accordance with manufacturer and **MPI** requirements.

1.6   Environmental, Waste Management and Disposal Requirements:

.1   Perform no painting or decorating work when the ambient air and substrate temperatures, relative humidity and dew point and substrate moisture content is below or above requirements for interior work.

.2   Apply paint only to dry, clean, properly cured and adequately prepared surfaces in areas where dust is no longer generated by construction activities such that airborne particles will not affect the quality of finished surfaces.

.3   Ensure adequate continuous ventilation and sufficient heating and lighting is in place.

.4   Paint, stain and wood preservative finishes and related materials (thinners, solvents, caulking, empty paint cans, cleaning rags, etc.) shall be regarded as hazardous products. Recycle and dispose of same subject to regulations of applicable authorities having jurisdiction.

.5   To reduce the amount of contaminants entering waterways, sanitary/storm drain systems or into the ground retain cleaning water and filter out and properly dispose of sediments.

.6   Set aside and protect surplus and uncontaminated finish materials not required by the Owner and deliver or arrange collection for verifiable re-use or re-manufacturing.

1.7   Maintenance Bond:

.1   Provide and pay for a 100% two (2) year Maintenance Bond in accordance with **MPI** Painting Manual requirements. The Maintenance Bond shall warrant that all painting work has been performed in accordance with **MPI** Painting Manual requirements.

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.2   **All surfaces requiring painting shall be inspected** by the Inspector/Paint Inspection Agency inspector, who shall notify the Consultant and General Contractor in writing of any defects or problems, <u>prior to commencing painting work</u>, or after the prime coat shows defects in the substrate.

PART 2 - PRODUCTS

2.1   Materials:

SPEC NOTE: *Delete, revise or add to the example selections below to suit project requirements.*

.1   Only materials (primers, paints, coatings, varnishes, stains, lacquers, fillers, etc.) listed in the latest edition of the *MPI* Approved Product List (APL) are acceptable for use on this project. All such material shall be from a single manufacturer for each system used.

.2   Other materials such as linseed oil, shellac, thinners, solvents, etc. shall be the highest quality product of an *MPI* listed manufacturer and shall be compatible with paint materials being used as required.

.3   Where required, use only materials having a minimum *MPI* "Environmentally Friendly" [E1] [E2] [E3] rating based on VOC (EPA Method 24) content levels. Where indoor air quality (odour) is an issue, use only *MPI* listed materials having a minimum [E2] [E3] rating.

.4   [Where required to meet LEED (Leadership in Energy and Environmental Design) program requirements, use only MPI listed materials having an "L" rating designation.]

2.2   Mixing and Tinting:

.1   Unless otherwise specified herein or pre-approved, all paint shall be ready-mixed and pre-tinted. Re-mix all paint in containers prior to and during application to ensure break-up of lumps, complete dispersion of settled pigment, and color and gloss uniformity. Where thinner is used, addition shall not exceed paint manufacturer's recommendations.

2.3   Finish, Color, Gloss / Sheen:

.1   Unless otherwise noted, all painting work shall be in accordance with *MPI* [Custom] [Premium] Grade finish requirements.

.2   Colors shall be as selected by the Consultant from a manufacturer's full range of colors. [Refer to Finish Schedule for identification and location of colors] [The schedule will be furnished after award of the Contract, except general requirements shall be as noted herein].

SPEC NOTE: *Delete, revise or add to the following example selections below to suit project requirements.*

.3   Color selection will be based on [five (5)] base colors and [three (3)] accent colors with a maximum of [one (1)] deep or bright color. No more than [eight (8)] colors will be selected for the entire project and no more than [three (3)] colors will be selected in each area. Note that this does not include pre-finished items by others, e.g. flashings, windows, etc.

.4   Gloss level ratings of all painted surfaces shall be as noted on Finish Schedule. Refer to *MPI* Painting Manual for gloss level definitions and requirements.

PART 3 - EXECUTION

3.1   Condition and Preparation of Surfaces:

.1   The condition and preparation requirements for all surfaces shall be in accordance with *MPI* Painting Manual requirements.

3.2   **Application:**

.1   Do not paint unless substrates are acceptable and/or until all environmental conditions (heating, ventilation, lighting and completion of other subtrade work) are acceptable for applications of products.

.2   Apply paint or stain in accordance with noted **MPI** finish Grade requirements.

.3   Painting coats specified are intended to cover surfaces satisfactorily when applied at proper consistency and in accordance with manufacturer's recommendations. Apply a <u>minimum</u> of four coats of paint where deep or bright colors are used to achieve satisfactory results.

SPEC NOTE: Refer to "long form" specification for spec note information when using the following systems.

3.3   **See Exterior Painting Short Specification 09 91 13**

3.4   **Interior Paint and Coating Systems:**

Paint interior surfaces in accordance with the following **MPI** Painting Manual requirements:

.1   **Asphalt Surfaces:** (zone / traffic marking of interior drive and parking areas)

INT 2.1A   LATEX ZONE / TRAFFIC MARKING
INT 2.1B   ALKYD ZONE / TRAFFIC MARKING

.2   **Concrete Vertical Surfaces:** (including horizontal soffits)

INT 3.1A   LATEX [insert gloss level] (over w.b. alkali-resistant primer)
INT 3.1B   LATEX [insert gloss level and texture] (over latex aggregate)
INT 3.1C   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over w.b. alkali-resistant primer)
INT 3.1D   ALKYD [insert gloss level] (over w.b. alkali-resistant primer)
INT 3.1E   LATEX [insert gloss level]
INT 3.1F   EPOXY [insert gloss level] ("Tile-Like") (For Smooth Concrete)
INT 3.1G   EPOXY- MODIFIED LATEX [insert gloss level] (for smooth concrete)
INT 3.1H   MULTICOLOR
INT 3.1J   WATER REPELLENT (PAINTABLE)
INT 3.1K   CONCRETE STAIN
INT 3.1L   W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over w.b. alkali-resistant primer)
INT 3.1M   INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over w.b. primer sealer, low VOC)
INT 3.1N   LATEX AGGREGATE [insert gloss level and texture]
INT 3.1P   EPOXY HIGH BUILD [insert gloss level]

.3   **Concrete Horizontal Surfaces:** (floors and stairs)

INT 3.2A   LATEX FLOOR ENAMEL [insert gloss level]
INT 3.2B   ALKYD FLOOR ENAMEL [insert gloss level]
INT 3.2C   EPOXY [insert gloss level]
INT 3.2D   POLYURETHANE, PIGMENTED (over epoxy)
INT 3.2E   CONCRETE STAIN
INT 3.2F   CONCRETE FLOOR SEALER
INT 3.2G   CONCRETE FLOOR SEALER, W.B.
INT 3.2H   LATEX ZONE / TRAFFIC MARKING
INT 3.2J   ALKYD ZONE / TRAFFIC MARKING
INT 3.2K   POLYURETHANE, CLEAR, 2 COMPONENT
INT 3.2L   EPOXY HIGH BUILD with SRA [insert gloss level]

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.4   **Cementitious Composition Board Surfaces:**

INT 3.3A	LATEX [insert gloss level] (over w.b. alkali-resistant primer)
INT 3.3B	HIGH PERFORMANCE ARCHITECURAL LATEX [insert gloss level] (over w.b. alkali-resistant primer)
INT 3.3C	ALKYD [insert gloss level] (over w.b. alkali-resistant primer)
INT 3.3D	EPOXY- MODIFIED LATEX
INT 3.3E	EPOXY ("TILE-LIKE")
INT 3.3F	MULTICOLOR [insert gloss level] (over w.b. primer sealer for multicolor systems)
INT 3.3G	INSTITUTIONAL LOW ODOR/VOC (over w.b. primer sealer)
INT 3.3H	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over w.b. alkali-resistant primer)

.5   **Clay Masonry Units:** (pressed and extruded brick)

INT 4.1A	LATEX [insert gloss level] (over w.b. alkali-resistant primer)
INT 4.1B	LATEX AGGREGATE COATING [insert gloss level and texture]
INT 4.1C	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over w.b. alkali-resistant primer)
INT 4.1D	ALKYD [insert gloss level] (over w.b. alkali-resistant primer)
INT 4.1F	EPOXY [insert gloss level] ("Tile-Like") (for smooth surfaces)
INT 4.1G	EPOXY- MODIFIED LATEX (for smooth surfaces)
INT 4.1H	MULTICOLOR
INT 4.1J	WATER REPELLENT, CLEAR (Paintable)
INT 4.1K	POLYURETHANE, CLEAR, 2 COMPONENT
INT 4.1L	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over w.b. alkali-resistant primer)
INT 4.1M	INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over w.b. primer sealer)

.6   **Concrete Masonry Units:** (smooth and split face block and brick)

INT 4.2A	LATEX [insert gloss level] (over latex block filler)
INT 4.2B	LATEX AGGREGATE (flat & non-flat) [insert gloss level and texture]
INT 4.2C	ALKYD [insert gloss level] (over latex block filler)
INT 4.2D	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over latex block filler)
INT 4.2E	INSTITUTIONAL LOW ODOR/VOC [insert gloss level] (over latex block filler)
INT 4.2F	EPOXY [insert gloss level] ("Tile-Like") (over latex block filler) (for dry environments)
INT 4.2G	EPOXY [insert gloss level] ("Tile-Like") (over epoxy block filler) (for wet environments)
INT 4.2H	MULTICOLOR (over latex block filler)
INT 4.2J	EPOXY- MODIFIED LATEX (over latex block filler) (for dry environments)
INT 4.2K	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over latex block filler)
INT 4.2L	WATER REPELLENT (Not Paintable) (Not For Low Density Block)
INT 4.2M	WATER REPELLENT (Paintable) (Not for Low Density Block)
INT 4.2N	LATEX SEALER / ALKYD [insert gloss level] (block filler & primer)
INT 4.2P	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over w.b. alkali resistant primer)
INT 4.2Q	POLYURETHANE, CLEAR, 2 COMPONENT
INT 4.2R	EPOXY HIGH BUILD [insert gloss level] (over epoxy block filler)

.7   **Structural Steel and Metal Fabrications:** (columns, beams, joists, etc.)

INT 5.1A	QUICK DRY ENAMEL [insert gloss level] (over q.d. alkyd primer)
INT 5.1B	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over w.b. rust-inhibitive primer)
INT 5.1C	W.B. DRY FALL [insert gloss level] (over q.d. alkyd Primer)
INT 5.1CC	W.B. DRY FALL [insert gloss level] (over alkyd Primer)
INT 5.1D	ALKYD DRY FALL [insert gloss level] (over q.d. alkyd Primer)
INT 5.1DD	ALKYD DRY FALL [insert gloss level] (over alkyd Primer)
INT 5.1E	ALKYD [insert gloss level] (over q.d. alkyd primer)
INT 5.1EE	ALKYD [insert gloss level] (over alkyd primer)
INT 5.1F	POLYURETHANE, PIGMENTED (over epoxy primer)
INT 5.1G	POLYURETHANE, PIGMENTED (over high build epoxy)

INT 5.1H   POLYURETHANE, PIGMENTED (over inorganic zinc and epoxy)
INT 5.1J   POLYURETHANE, PIGMENTED (over epoxy zinc rich and epoxy)
INT 5.1K   EPOXY- MODIFIED LATEX [insert gloss level] (over w.b. rust-inhibitive primer)
INT 5.1L   EPOXY [insert gloss level] (over epoxy primer)
INT 5.1LL   EPOXY DECK COATING (over epoxy primer)
INT 5.1M   ALUMINUM PAINT [insert gloss level] (over q.d. alkyd primer)
INT 5.1MM   ALUMINUM PAINT [insert gloss level] (over alkyd primer)
INT 5.1N   W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over epoxy primer)
INT 5.1P   HIGH BUILD EPOXY (over epoxy zinc rich primer & high build epoxy)
INT 5.1Q   LATEX [insert gloss level] (over q.d. alkyd primer)
INT 5.1QQ   LATEX [insert gloss level] (over alkyd primer)
INT 5.1R   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over q.d. alkyd primer)
INT 5.1RR   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over alkyd primer)
INT 5.1S   INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over w.b. rust-inhibitive primer)
INT 5.1T   ALKYD [insert gloss level] (over surface tolerant primer)
INT 5.1TT   ALKYD [insert gloss level] (over w.b. rust-inhibitive primer)
INT 5.1U   POLYURETHANE, PIGMENTED (over h.b. self-priming epoxy)
INT 5.1V   EPOXY [insert gloss level] (over h.b. self-priming epoxy)
INT 5.1W   ALKYD [insert gloss level] (over shop-applied q.d. Shop Primer) (for dry locations only)
INT 5.1X   LATEX [insert gloss level] (over shop-applied q.d. Shop Primer) (for dry locations only)
INT 5.1Y   EPOXY HIGH BUILD-LOW GLOSS [insert gloss level] (over epoxy primer) with SRA
INT 5.1Z   W.B. DRY FALL [insert gloss level] (over q.d. shop primer) (For dry locations only)
INT 5.1ZZ   ALKYD DRY FALL [insert gloss level] (over q.d. shop primer) (For dry locations only)
INT 5.1QDS   Q.D. SHOP PAINT (Do Not Paint)

.8   **Steel - High Heat:** (boilers, furnaces, heat exchangers, breeching, pipes, flues, stacks, etc., with temperature range as noted)

INT 5.2A   HEAT RESISTANT ENAMEL - MAXIMUM 400° F (205° C)
INT 5.2B   HEAT RESISTANT ENAMEL, ALUMINUM - MAXIMUM 800° F (427° C)
INT 5.2C   INORGANIC ZINC RICH COATING - MAXIMUM 750° F (400° C)
INT 5.2D   HIGH HEAT RESISTANT COATING - MAXIMUM 1100° F (593° C)

.9   **Galvanized Metal:** (doors, frames, railings, misc. steel, pipes, overhead decking, ducts, etc.)

INT 5.3D   EPOXY [insert gloss level] (over epoxy primer)
INT 5.3H   W.B. DRY FALL [insert gloss level] (Low Contact /Traffic)
INT 5.3J   LATEX [insert gloss level] (over w.b. galvanized primer)
INT 5.3K   W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over w.b. galvanized primer)
INT 5.3L   ALKYD [insert gloss level] (over w.b. galvanized primer)
INT 5.3M   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over w.b. galvanized primer)
INT 5.3N   INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over w.b. galvanized primer)
INT 5.3P   ALKYD DRY FALL [insert gloss level] (over w.b. galvanized primer) (Low Contact /Traffic)
INT 5.3Q   ALUMINUM PAINT (over w.b. galvanized primer)

.10   **Aluminum:** (unanodized)

INT 5.4A   ALKYD [insert gloss level]
INT 5.4B   EPOXY [insert gloss level] (over vinyl wash primer)
INT 5.4C   POLYURETHANE, PIGMENTED (over vinyl wash primer)
INT 5.4D   ALUMINUM PAINT (exposed aluminum) (over vinyl wash primer)
INT 5.4E   W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over q.d. primer for aluminum)
INT 5.4F   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over q.d. primer for aluminum)
INT 5.4G   INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over q.d. primer for aluminum)
INT 5.4H   LATEX [insert gloss level] (over q.d. primer for aluminum)
INT 5.4J   ALKYD [insert gloss level] (over q.d. primer for aluminum)
INT 5.4K   EPOXY [insert gloss level] (over epoxy primer)

  .11 **Copper:**

    INT 5.5A   ALKYD [insert gloss level] (over vinyl was primer)
    INT 5.5B   EPOXY [insert gloss level] (over epoxy primer)
    INT 5.5C   POLYURETHANE, PIGMENTED (over vinyl was primer)
    INT 5.5D   ALUMINUM PAINT (over vinyl was primer)
    INT 5.5E   W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over q.d. primer for aluminum)
    INT 5.5F   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over q.d. primer for aluminum)
    INT 5.5G   INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over q.d. primer for aluminum)
    INT 5.5H   LATEX [insert gloss level] (over q.d. primer for aluminum)

  .12 **Stainless Steel:** (unpolished)

    INT 5.6A   W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over s.b. bonding primer)
    INT 5.6B   ALKYD [insert gloss level] (over vinyl wash primer)
    INT 5.6C   EPOXY [insert gloss level] (over epoxy primer)
    INT 5.6D   POLYURETHANE, PIGMENTED (over vinyl wash primer)
    INT 5.6E   ALUMINUM PAINT (over vinyl wash primer)
    INT 5.6F   W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over q.d. primer for aluminum)
    INT 5.6G   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over s.b. bonding primer)
    INT 5.6H   LATEX [insert gloss level] (over s.b. bonding primer)

  .13 **Glue Laminated Beams and Columns:**

    INT 6.1A   LATEX [insert gloss level] (over alkyd primer)
    INT 6.1B   ALKYD [insert gloss level] (over alkyd primer)
    INT 6.1C   ALKYD VARNISH [insert gloss level] (over alkyd sanding sealer factory applied)
    INT 6.1D   POLYURETHANE VARNISH [insert gloss level] (over factory applied polyurethane)
    INT 6.1E   POLYURETHANE, PIGMENTED
    INT 6.1F   W.B. VARNISH, CLEAR [insert gloss level]
    INT 6.1G   SEMI-TRANSPARENT STAIN, S.B.
    INT 6.1GG   SEMI-TRANSPARENT STAIN, W.B.
    INT 6.1H   ALKYD SOLID COLOR STAIN
    INT 6.1J   POLYURETHANE VARNISH [insert gloss level] (over s.b. stain)
    INT 6.1K   ALKYD VARNISH [insert gloss level] (over s.b. stain)
    INT 6.1L   EPOXY [insert gloss level]
    INT 6.1M   LATEX [insert gloss level] (over Latex Wood Primer)
    INT 6.1N   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over Latex Wood Primer)
    INT 6.1P   ALKYD VARNISH [insert gloss level] (over stain & sealer)
    INT 6.1Q   INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over Latex Wood Primer)
    INT 6.1R   W.B. VARNISH, CLEAR [insert gloss level] (over s.b. stain)
    INT 6.1RR   W.B. VARNISH, CLEAR [insert gloss level] (over w.b. stain)
    INT 6.1S   POLYURETHANE, CLEAR, MOISTURE CURED [insert gloss level] (over s.b. stain)
    INT 6.1T   LATEX SOLID COLOR STAIN (over alkyd/oil primer)
    INT 6.1U   FIRE RETARDANT, PIGMENTED, S.B. [insert gloss level]
    INT 6.1UU   FIRE RETARDANT, PIGMENTED, W.B. [insert gloss level]
    INT 6.1V   FIRE RETARDANT, CLEAR, S.B. [insert gloss level]
    INT 6.1VV   FIRE RETARDANT, CLEAR, S.B TOPCOAT [insert gloss level]
    INT 6.1W   POLYURETHANE, CLEAR, 2 COMPONENT`

  .14 **Dimension Lumber:** (columns, beams, exposed joists, underside of decking, etc.)

    INT 6.2A   LATEX [insert gloss level] (over alkyd primer)
    INT 6.2B   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over alkyd primer)
    INT 6.2C   ALKYD [insert gloss level] (over alkyd primer)

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INT 6.2D	LATEX [insert gloss level] (over Latex Wood Primer)	
INT 6.2E	MULTICOLOR (over alkyd primer)	
INT 6.2F	FIRE RETARDANT, PIGMENTED, S.B. [insert gloss level]	
INT 6.2FF	FIRE RETARDANT, PIGMENTED, W.B. [insert gloss level]	
INT 6.2G	FIRE RETARDANT, CLEAR, S.B. [insert gloss level]	
INT 6.2GG	FIRE RETARDANT, CLEAR, W.B. [insert gloss level]	
INT 6.2H	POLYURETHANE VARNISH [insert gloss level]	
INT 6.2J	POLYURETHANE VARNISH [insert gloss level] (over stain)	
INT 6.2K	ALKYD VARNISH [insert gloss level] (over s.b. stain & sanding sealer)	
INT 6.2L	INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over Latex Wood Primer)	
INT 6.2M	W.B. VARNISH, CLEAR [insert gloss level] (over s.b. Stain)	
INT 6.2MM	W.B. VARNISH, CLEAR [insert gloss level] (over w.b. Stain)	
INT 6.2N	POLYURETHANE, CLEAR, MOISTURE CURED [insert gloss level] (over s.b. stain)	
INT 6.2P	ALKYD VARNISH [insert gloss level] (over sanding sealer)	
INT 6.2Q	POLYURETHANE, CLEAR, 2 COMPONENT	

    .15   **Dressed Lumber:** (including <u>doors</u>, door and window frames, casings, molding, etc.)

INT 6.3A	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over Latex Wood Primer)
INT 6.3B	ALKYD [insert gloss level] (over alkyd primer)
INT 6.3BB	ALKYD W.B. [insert gloss level] (over Latex Wood Primer)
INT 6.3C	SEMI-TRANSPARENT STAIN, S.B. (Not for Doors)
INT 6.3CC	SEMI-TRANSPARENT STAIN, W.B. (Not for Doors)
INT 6.3D	ALKYD VARNISH [insert gloss level] (over s.b. stain)
INT 6.3DD	ALKYD VARNISH [insert gloss level] (over w.b. stain)
INT 6.3E	POLYURETHANE VARNISH [insert gloss level] (over s.b. stain)
INT 6.3EE	POLYURETHANE VARNISH [insert gloss level] (over w.b. stain)
INT 6.3F	LACQUER [insert gloss level] (over s.b.stain)
INT 6.3G	LACQUER, PIGMENTED [insert gloss level] (over laquer sanding sealer)
INT 6.3H	LACQUER, CLEAR [insert gloss level] (over laquer sanding sealer)
INT 6.3J	ALKYD VARNISH [insert gloss level] (over shellac or alkyd sanding sealer)
INT 6.3JJ	ALKYD VARNISH [insert gloss level] (over shellac or alkyd sanding sealer)
INT 6.3K	POLYURETHANE VARNISH [insert gloss level]
INT 6.3L	EPOXY [insert gloss level]
INT 6.3M	DANISH OIL
INT 6.3N	MULTICOLOR (over alkyd primer sealer-tinted)
INT 6.3P	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over alkyd primer sealer)
INT 6.3Q	W.B. VARNISH, CLEAR [insert gloss level]
INT 6.3R	FIRE RETARDANT, PIGMENTED, S.B. [insert gloss level]
INT 6.3RR	FIRE RETARDANT, PIGMENTED, W.B. [insert gloss level]
INT 6.3S	FIRE RETARDANT, CLEAR, S.B. [insert gloss level]
INT 6.3SS	FIRE RETARDANT, CLEAR, TOPCOAT, S.B. [insert gloss level]
INT 6.3T	LATEX [insert gloss level] (over Latex Wood Primer)
INT 6.3U	LATEX [insert gloss level] (over alkyd primer sealer)
INT 6.3V	INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over Latex Wood Primer)
INT 6.3W	W.B. VARNISH, CLEAR [insert gloss level] (over s.b. stain)
INT 6.3WW	W.B. VARNISH, CLEAR [insert gloss level] (over w.b. stain)
INT 6.3X	POLYURETHANE, CLEAR, MOISTURE CURED [insert gloss level]
INT 6.3Y	POLYURETHANE, CLEAR, MOISTURE CURED [insert gloss level] (over s.b. stain)
INT 6.3Z	POLYURETHANE, CLEAR, 2 COMPONENT

    .16   **Wood Paneling and Casework:** (partitions, panels, shelving, millwork, etc.)

NT 6.4A	LATEX [insert gloss level] (over alkyd primer sealer)
INT 6.4B	ALKYD [insert gloss level] (over alkyd primer sealer)
INT 6.4BB	ALKYD [insert gloss level] (over alkyd primer sealer)
INT 6.4C	SEMI-TRANSPARENT STAIN, S.B.

INT 6.4CC SEMI-TRANSPARENT STAIN, W.B.
INT 6.4D ALKYD VARNISH [insert gloss level] (over s.b. stain and shellac)
INT 6.4DD ALKYD VARNISH [insert gloss level] (over s.b. stain and sanding sealer)
INT 6.4E POLYURETHANE VARNISH [insert gloss level] (over s.b. stain)
INT 6.4F LACQUER [insert gloss level] (over s.b. stain)
INT 6.4G ALKYD VARNISH [insert gloss level] (over shellac)
INT 6.4GG ALKYD VARNISH [insert gloss level] (over sanding sealer)
INT 6.4H LACQUER, PIGMENTED [insert gloss level] (over lacquer sanding sealer)
INT 6.4J POLYURETHANE VARNISH [insert gloss level]
INT 6.4K DANISH OIL
INT 6.4L MULTICOLOR (over alkyd primer sealer)
INT 6.4M W.B. VARNISH, CLEAR [insert gloss level]
INT 6.4N W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over alkyd primer sealer)
INT 6.4P FIRE RETARDANT, PIGMENTED, S.B. [insert gloss level]
INT 6.4PP FIRE RETARDANT, PIGMENTED, W.B. [insert gloss level]
INT 6.4Q FIRE RETARDANT, CLEAR, S.B. [insert gloss level]
INT 6.4QQ FIRE RETARDANT, CLEAR, S.B. TOPCOAT [insert gloss level]
INT 6.4R LATEX (over Latex Wood Primer) [insert gloss level]
INT 6.4S HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over Latex Wood Primer)
INT 6.4T INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over Latex Wood Primer)
INT 6.4U W.B. VARNISH, CLEAR [insert gloss level] (over s.b. stain)
INT 6.4UU W.B. VARNISH, CLEAR [insert gloss level] (over w.b. stain)
INT 6.4V POLYURETHANE, CLEAR, MOISTURE CURED [insert gloss level] (over s.b. stain)
INT 6.4W LACQUER [insert gloss level] (over s.b. stain & lacquer sanding sealer)
INT 6.4X LACQUER, PIGMENTED [insert gloss level] (over lacquer sanding sealer, pigmented)
INT 6.4Y LACQUER, CLEAR [insert gloss level] (over lacquer sanding sealer, clear)

.17 **Wood Floors and Stairs:** (including hardwood flooring, etc.) *(SRA optional for all systems)*

INT 6.5A ALKYD FLOOR ENAMEL [insert gloss level]
INT 6.5B POLYURETHANE VARNISH (over s.b. stain)
INT 6.5C POLYURETHANE VARNISH
INT 6.5E ALKYD GAME LINE MARKING
INT 6.5F EPOXY GAME LINE MARKING [insert gloss level]
INT 6.5G LATEX PORCH & FLOOR ENAMEL [insert gloss level] (over alkyd primer sealer)
INT 6.5J POLYURETHANE, MOISTURE CURED (over s.b. stain)
INT 6.5K POLYURETHANE, MOISTURE CURED
INT 6.5M POLYURETHANE, CLEAR, 2 COMPONENT

.18 **Wood Shingles and Shakes:** (wall covering)

INT 6.6A LATEX [insert gloss level] (over alkyd primer)
INT 6.6B ALKYD [insert gloss level] (over alkyd primer)
INT 6.6C SEMI-TRANSPARENT STAIN, S.B.
INT 6.6D ALKYD SOLID COLOR STAIN
INT 6.6E LATEX SOLID COLOR STAIN [insert gloss level] (over Latex Wood Primer)
INT 6.6F LATEX [insert gloss level] (over Latex Wood Primer)
INT 6.6G FIRE RETARDANT, PIGMENTED. S.B. [insert gloss level]
INT 6.6GG FIRE RETARDANT, PIGMENTED. W.B. [insert gloss level]
INT 6.6H FIRE RETARDANT, CLEAR, S.B. [insert gloss level]
INT 6.6HH FIRE RETARDANT, CLEAR, S.B. TOPCOAT [insert gloss level]

.19 **Fiberglass:** (panels, trims, fabrications, etc.)

INT 6.7A LATEX [insert gloss level] (over s.b. bonding primer)
INT 6.7AA LATEX [insert gloss level] (over w.b. bonding primer)
INT 6.7B ALKYD [insert gloss level] (over s.b. bonding primer)
INT 6.7BB ALKYD [insert gloss level] (over w.b. bonding primer)

INT 6.7C	w.b. LIGHT INDUSTRIAL COATING [insert gloss level] (over s.b. bonding primer)
INT 6.7CC	w.b. LIGHT INDUSTRIAL COATING [insert gloss level] (over w.b. bonding primer)
INT 6.7D	EPOXY [insert gloss level]
INT 6.7E	POLYURETHANE, PIGMENTED
INT 6.7F	EPOXY- MODIFIED LATEX [insert gloss level]
INT 6.7G	MULTICOLOR (over s.b. bonding primer)
INT 6.7GG	MULTICOLOR (over w.b. bonding primer)
INT 6.7H	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over s.b. bonding primer)
INT 6.7HH	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over w.b. bonding primer)
INT 6.7J	INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over w.b. bonding primer)

.20   **Plastic:** (lumber, panels, trims, fabrications, vinyl wall covering, PVA / PVC materials, etc.)

INT 6.8A	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over s.b. bonding primer)
INT 6.8AA	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over w.b. bonding primer)
INT 6.8B	ALKYD [insert gloss level] (over s.b. bonding primer)
INT 6.8C	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over s.b. bonding primer)
INT 6.8CC	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over w.b. bonding primer)
INT 6.8D	MULTICOLOR (over s.b. bonding primer)
INT 6.8E	LATEX [insert gloss level] (over s.b. bonding primer)
INT 6.8EE	LATEX [insert gloss level] (over w.b. bonding primer)
INT 6.8F	INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over w.b. bonding primer)

.21   **Spray Textured Surfaces:** (ceilings)

INT 9.1A	LATEX, FLAT
INT 9.1B	LATEX [insert gloss level] (over alkyd sealer)
INT 9.1C	ALKYD, FLAT
INT 9.1D	ALKYD [insert gloss level] (over alkyd sealer)
INT 9.1E	LATEX [insert gloss level]

.22   **Plaster and Gypsum Board:** (gypsum wallboard, drywall, "sheet rock type material", etc., and textured finishes)

INT 9.2A	LATEX [insert gloss level] (over Latex Primer / sealer)
INT 9.2B	HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level] (over Latex Primer / sealer)
INT 9.2C	ALKYD [insert gloss level] (over Latex Primer / sealer)
INT 9.2CC	ALKYD, W.B. [insert gloss level]
INT 9.2E	EPOXY [insert gloss level] ("Tile LIKE") (over Latex Primer /sealer)
INT 9.2F	EPOXY- MODIFIED LATEX [insert gloss level] (over Latex Primer / sealer)
INT 9.2G	MULTICOLOR (over primer sealer for multi-color systems)
INT 9.2H	FIRE RETARDANT COATING (Clear)
INT 9.2HH	FIRE RETARDANT COATING (Pigmented)
INT 9.2J	W.B. FIRE RETARDANT COATING
INT 9.2K	LATEX [insert gloss level] (over alkyd primer sealer) (For Plaster, Only)
INT 9.2L	W.B. LIGHT INDUSTRIAL COATING [insert gloss level] (over Latex Primer / sealer)
INT 9.2M	INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over primer sealer, low odor low VOC)
INT 9.2N	EPOXY HIGH BUILD [insert gloss level] (over latex sealer)

.23   **Acoustic Panels and Tiles:**

INT 9.3A	LATEX, FLAT
INT 9.3B	LATEX [insert gloss level] (over alkyd sealer)
INT 9.3C	ALKYD, FLAT

INT 9.3D   INSTITUTIONAL LOW ODOR / VOC [insert gloss level]
INT 9.3E   HIGH PERFORMANCE ARCHITECTURAL LATEX [insert gloss level]

.24   **Canvas and Cotton Coverings:**

INT 10.1A   LATEX [insert gloss level] (over Latex Wood Primer sealer)
INT 10.1B   ALKYD [insert gloss level] (over Latex Wood Primer sealer)
INT 10.1C   ALUMINUM PAINT (over Latex Wood Primer sealer)
INT 10.1D   INSTITUTIONAL LOW ODOR / VOC [insert gloss level] (over Latex Wood Primer sealer)

.25   **Bituminous Coated Surfaces:** (cast iron pipe, concrete, etc.)

INT 10.2A   LATEX [insert gloss level] (over w.b. rust-inhibitive primer)
INT 10.2B   ALKYD [insert gloss level] (over w.b. rust-inhibitive primer)
INT 10.2C   ALUMINUM PAINT (over w.b. rust-inhibitive primer)

3.5   Mechanical / Electrical Equipment and Related Surfaces:

.1   Unless otherwise specified or noted, paint all "unfinished" conduits, piping, hangers, ductwork and other mechanical and electrical equipment with color and texture to match adjacent surfaces, in the following areas:

    .a   where <u>exposed-to-view</u> in all interior areas.
    .b   in all interior high humidity interior areas.
    .c   in all boiler room, mechanical and electrical rooms.

.2   In unfinished areas leave exposed conduits, piping, hangers, ductwork and other mechanical and electrical equipment in original finish and touch up scratches and marks. Do not paint over nameplates.

.3   Paint the inside of all ductwork where visible behind louvers, grilles and diffusers beyond sight line with primer and one coat of matt black (non-reflecting) paint. Paint the inside of light valances gloss white.

.4   Refer to Mechanical and Electrical specifications for painting, banding, stenciling of other surfaces / equipment.

3.6   Field Quality Control:

.1   Painted surfaces shall be considered to lack uniformity and soundness in accordance with defects noted in the *MPI* Painting Manual. Refer to long form specification item 3.7 - Field Quality Control / Standard of Acceptance.

.3   Painted surfaces rejected by the inspector shall be made good at the expense of the Contractor in accordance with *MPI* Painting Manual requirements.

3.8   Protection and Clean-Up:

.1   Erect barriers or screens and post signs to warn of or limit or direct traffic.

.2   Remove all spilled, splashed, splattered or over sprayed paint as work progresses, remove waste materials and keep area free from an unnecessary accumulation of tools, equipment, surplus materials and debris.

END OF SECTION