

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

PART 1 - GENERAL

1.1 Summary

- .1 Section includes:
 - .1 Painting of interior paintable surfaces.
 - .2 Painting of exterior paintable surfaces.
 - .3 Repainting of interior surfaces.
 - .4 Repainting of exterior surfaces.
- .2 Paintable and non-paintable surfaces:
 - .1 Paint and finish paintable surfaces included in the *Work*, except where excluded by the *Contract Documents*.
 - .2 The following surfaces are considered non-paintable, except as otherwise indicated or scheduled:
 - .1 Material and equipment furnished prime and finish painted.
 - .2 Internal surfaces of steel tanks and stacks.
 - .3 Sprayed fire-resistive materials.
 - .4 Exterior concrete.
 - .5 Stainless steel, weathering steel, copper, bronze, chromium plate, nickel, anodized or lacquered or mill finished aluminum, Monel metal.
 - .6 Insulation, glass, plastic, brick, stone.
 - .7 Metallic and mastic insulation finishes.
 - .8 Abrasive material finishes on floors, stair treads, stair nosing and landings.
 - .9 Insulated electric cables.
 - .10 Machined parts of machinery and equipment.
 - .11 Concealed surfaces.
 - .12 Manufactured finish materials.

1.2 Administrative Requirements

- .1 Conduct a pre-installation meeting in accordance with Section 01 31 19.
- .2 Agenda for the meeting shall include the following:
 - .1 Review Drawings, details and Schedules, determine intent, extent, materials, types of surfaces, locations and be fully cognizant of intent of Work. Review Product literature, MSDS, related safety data, proper disposal requirements and inform those involved in work of this Section.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .2 Review Specifications and Drawings for work of other Sections regarding provisions for prime and finish coats and ensure compatibility with each other and substrate prior to application.
- .3 Prior to start of work, arrange for Project site meeting of parties associated with *Work* of this Section. Presided over by *Contractor*, include *Consultant*, Subcontractor, manufacturer's representative, any sub-trades whose work will be painted (including Mechanical and Electrical trades) or whose work is adjacent to, or whose work or schedule may be affected by work of this Section.

1.3 Definitions

- .1 Exposed: Visible in completed work. In case of closets, cabinets and drawers, it includes their interiors.
- .2 Gloss or Sheen: Capacity of a finish on a surface to reflect light at specific angles as tested in accordance with ASTM D523.
- .3 Hazardous Waste: Construction and demolition materials that are regulated for disposal by local, city, county, province or federal authorities having jurisdiction.
- .4 Painting: In this Section refers to application of various types of paint, stain, varnishes and lacquers, etc.
- .5 Surface Preparation: Cleaning or treating of surface to be painted to ensure best possible bond between surface and painting to be applied to surface; remove surface contaminants that will affect performance of painting, without limitations such as oil, grease, salts, dust, dirt, rust, rust scale, mill scale and old coatings where applicable; remove surface imperfections without limitation including but not limited to such as weld spatter, sharp edges, burrs, slivers, laminations, pits, porosities and crevices; prepare surfaces to provide anchor profile or surface profile which improve mechanical bonding of coating to prepared surface by increasing surface area

1.4 Submittals

- .1 Submit required submittals in accordance with Section 01 33 00.
- .2 *Product* data sheets:
 - .1 Submit manufacturer's *Product* data sheets and list of *Products* proposed for use in the work of this section as identified in 'Approved Product List' section of the MPI (Master Painters Institute) Architectural Painting Specification Manual. Correlate *Products* to Schedule furnished by *Consultant*.
- .3 Samples:
 - .1 Samples for initial paint colour and finish selection:
 - .1 Submit manufacturer's colour charts showing full range of colours available, including light and deep dark tones, for each type of finish material indicated for colour selection by *Consultant*.
 - .2 *Consultant* shall have complete freedom in choice of colours in compiling colour schedule and will not necessarily select colours from standard colour charts of manufacturer of *Products* specified.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .3 Submit 3 drawdowns of each selected colour for review by *Consultant* and resubmit to *Consultant* as required to obtain approval. Drawdown to be of specified colour, sheen, and paint formula for applicable surface.
- .2 Samples for verification:
 - .1 Submit 3 samples on 200 mm x 250 mm (8"x 10") material of same type as that on which coating is to be applied, for *Consultant's* approval, at least 30 days before materials are required in the following format:
 - .1 Masonry: face of typical unit.
 - .2 Gypsum board: face of typical unit.
 - .3 Metal: Steel plate.
 - .2 Identify each sample as to *Project*, finish, formula, colour name, number, gloss name and number, date and name of *Contractor* and painting *Subcontractor*.
 - .3 Resubmit as required until colours and gloss value are approved.
 - .4 Colour selections are not final until mock-ups have been approved by the *Consultant*.
- .4 MPI (Master Painters Institute) Manual:
 - .1 Provide and maintain 1 copy of MPI Manual, latest edition, at site office for reference. Provide and pay for 1 year subscription for *Consultant* for access to MPI manual.
- .5 Quality Control Submittals:
 - .1 Submit site instruction reports containing information required by this Section
 - .2 Submit copies of paint manufacturer's weekly Job Progress Reports.

1.5 Closeout Submittals

- .1 Submit closeout submittals in accordance with Section 01 78 00.
- .2 Operation and maintenance data:
 - .1 Submit manufacturer's operation and maintenance instructions for inclusion in the operation and maintenance manuals.
- .3 Operation and maintenance data:
 - .1 Submit manufacturer's operation and maintenance instructions for inclusion in the operation and maintenance manuals.
 - .1 Include the following information:
 - .1 'Area Summary' with finish schedule.
 - .2 'Area Detail' designating where each Product/colour/finish was used.
 - .3 Product Data Pages.
 - .4 MSDS Pages.
 - .5 Care and cleaning instructions.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .6 Touch-up procedures.
- .7 Colour samples of each colour and finish used.
- .4 Maintenance materials:
 - .1 Provide 3% of each colour, in sealed containers, minimum of 4 litres (1 gallon) of each colour, capacity of each paint product in each colour used in the *Work* for *Owner's* maintenance use. Containers shall be new, clearly labelled with manufacturer's name, type of paint, colour and colour number. Store at *Place of the Work* where directed by *Owner*.

1.6 Quality Assurance

- .1 Qualifications
 - .1 Manufacturers:
 - .1 Paint manufacturers and *Products* used shall be as listed under the Approved Product List section of the MPI Painting Manual.
 - .2 Installers / applicators / erectors:
 - .1 Execute work of this Section by a firm which has adequate plant, equipment and skilled workers to perform work expeditiously and which is known to have been responsible, during immediate past 5 years, for installations similar to work contained herein subject to Consultant's approval, and be fully conversant with applicable laws, bylaws, codes, fire, health and safety regulations and other regulations which govern.
 - .2 Provide work of this Section executed by competent applicators with membership in good standing in the Ontario Painting Contractors Association (OPCA) and have a minimum of 5 years' experience in application of *Products*, systems, coatings and assemblies specified and with approval and training of *Product* manufacturers
 - .1 Only qualified journeymen who have a "Tradesman Qualification Certificate of Proficiency" shall be engaged in painting work. Apprentices shall work under the direct supervision of a qualified journeyman in accordance with trade regulations.
- .2 Mock-ups:
 - .1 Provide mock-ups of each paint system for indicated surfaces of each colour and finish selected to verify preliminary paint selections made under Sample submittals.
 - .1 Allow for a minimum of 9 different colours for gypsum board surfaces for *Consultants* review for colour verification purposes.
 - .2 Mock-ups shall be located to areas as directed by *Consultant* under lighting conditions matching final area lighting, for acceptance by *Consultant*.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .3 Mock-ups shall demonstrate aesthetic effects of paint colour and sheen and shall set quality standards for material and execution of the *Work*. Final approval of colour and finish selections shall be based on mock-ups. If colour selections are not approved, apply additional mock-ups of additional colours selected by *Consultant* at no added cost to the *Owner*.
- .4 Do not proceed with work, including ordering of paint *Products*, until mock-ups of each paint colour and finish and paint system for indicated surfaces have been reviewed and accepted by *Consultant*.
- .5 Provide the following mock-ups:
 - ~~.1 Apply minimum 300 mm x 300 mm (12" x 12"), or where required, full size mock-up of each finish on each type of surface to be coated with correct material, number of coats, colour, texture and degree of gloss required.~~
 - .1 Apply minimum 2400 mm x 2400 mm (96" x 96"), or where required, full size mock-up of each finish on each type of surface to be coated with correct material, number of coats, colours, texture and degree of gloss required.
- .6 Upon completion and approval, mock-ups shall serve as a standard for the balance of the work of this section. Subsequent work carried out and not in the *Consultant's* opinion equal to standard shall be repainted without charge.
- .7 Accepted full size mock-up may become integral part of finished work if permitted by *Consultant*.

1.7 Delivery, Storage, and Handling

- .1 Deliver painting materials in sealed, original labelled containers bearing manufacturer's name, brand name, type of paint or coating and colour designation, standard compliance, materials content as well as mixing and/or reducing and application requirements.
- .2 Store paint *Products* and materials in original labelled containers in secure (lockable), dry, heated and well ventilated single designated area meeting minimum requirements of both paint manufacturer and authorities having jurisdiction, and at a minimum ambient temperature of 7°C.
- .3 Protect floor and wall surfaces of storage area. Protect floors with sheets or clean plywood or metal pans where mixing is being carried out.

1.8 Field Conditions

- .1 Ambient conditions:
 - .1 Comply with environmental requirements of MPI Manual.
 - .2 Perform no painting work when ambient air and substrate temperatures are below 10°C for both interior and exterior work, unless suitable weatherproof covering and sufficient heating and ventilation facilities are in place in accordance with MPI Manual.
 - .3 Perform no painting work when relative humidity is above 85% or when dew point is less than 3°C (5°F) variance between air/surface temperature.

Painting

Section revised and reissued by Addendum 01

Section revised and reissued by Addendum 02

Section revised and reissued by Addendum 03

1.9 Warranty

- .1 Warrant work of this section in accordance with Section 01 78 36.
 - .1 Promptly correct any defects or deficiencies which become apparent within warranty period, to satisfaction of *Consultant* and at no expense to *Owner*. Defects include but are not limited to material and workmanship defects such as: improper cleaning and preparation of surfaces, entrapped dust and dirt, material shrinkage, cracking, splitting and defective workmanship including but are not limited to failure in bubbling, drips, runs, blistering, uneven coverage, misses, poor cutting in and delamination.
- .2 Extended warranties:
 - .1 System:
 - .1 Labour, materials, and workmanship for work of this section.
 - .2 Duration: 2 years.

PART 2 - PRODUCTS

2.1 Performance/Design Requirements

- .1 Except where more stringent requirements are specified, the following reference standard shall govern the work of this section:
 - .1 Master Painters Institute (MPI) Architectural Painting Specification Manual (MPI Manual), including Identifiers, Evaluation, Systems, Preparation and Approved Product List, latest edition, and referenced herein as the MPI Manual, as issued by the local MPI Accredited Quality Assurance Association having jurisdiction.
- .2 Materials, preparation and workmanship shall conform to requirements of latest edition of Architectural Painting Specification Manual by the Master Painters Institute (MPI) (hereafter referred to as the MPI Painting Manual) as issued by the local MPI Accredited Quality Assurance Association having jurisdiction.
- .3 Painting systems:
 - .1 Shall remain free from failure due to causes including: material failure; surface preparation less than that specified; and paint film thickness less than that specified, or when not specified, less than that coverage recommended by manufacturer.
 - .2 Presence of any of following shall constitute failure: visible corrosion; film peeling, blistering, checking, scaling, embrittling or general film disintegration; and poor adhesion as determined by tape "peel-off" test procedures.

2.2 Materials

- .1 *Products* listed in MPI Manual shall be used in the *Work*, unless specified otherwise.
 - .1 Acceptable Manufacturers:
 - .1 Benjamin-Moore & Co., Limited.
 - .2 Dulux Paints.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .3 Para Paints.
- .4 Pittsburgh Paints.
- .5 The Sherwin-Williams Company.
- .6 Substitutions in accordance with Section 01 25 00.
- .2 Paint and materials (primers, paints, coatings, varnishes, stains, lacquers, fillers, thinners, solvents, and the like) shall be in accordance with the MPI Manual "Approved Product" listing and shall be from a single manufacturer for each system used.
- .3 Other paint materials, such as linseed oil, shellac, and the like, shall be highest quality *Products* of an approved manufacturer listed in the MPI Manual and shall be compatible with other coating materials as required.
- .4 Paint materials shall have good flowing and brushing properties and shall dry or cure free of blemishes or sags.
- .5 Where required, paints and coatings shall meet flame spread and smoke developed ratings designated by building code requirements and/or authorities having jurisdiction.

2.3 Equipment

- .1 Painting and coating equipment in accordance with written requirements of MPI Manual.

2.4 Mixing and Tinting

- .1 Unless otherwise specified, paints shall be ready-mixed. Re-mix prior to application to ensure colour and gloss uniformity.
- .2 Paste, powder or catalyzed paint mixes shall be mixed in accordance with manufacturer's written requirements.
- .3 Perform colour tinting operations prior to delivery of paint to *Place of the Work*.
- .4 Where thinner is used, addition shall not exceed paint manufacturer's recommendations.

2.5 Colours and Gloss Levels

- .1 Paint colours and gloss levels shall be as selected by the *Consultant*. Locations as indicated or scheduled.
- .2 Colour and gloss schedule: in accordance with Interior Finish Schedule.
- .3 Paint gloss shall be defined as the sheen rating of applied paint, in accordance with the following MPI values:

Gloss Level	Description	Units @ 60 degrees	Units @ 85 degrees
G1	Matte or Flat finish	0 to 5	10 maximum
G2	Velvet finish	0 to 10	10 to 35
G3	Eggshell finish	10 to 25	10 to 35
G4	Satin finish	20 to 35	35 minimum
G5	Semi-gloss finish	35 to 70	

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

G6	Gloss finish	70 to 85	
G7	High-Gloss finish	> 85	

PART 3 - EXECUTION

3.1 Examination

- .1 Verify that specified site conditions exist before commencing the work of this section.
- .2 Prior to commencement of work of this section, examine surfaces scheduled to be painted.
 - .1 For surfaces to be repainted, the degree of surface deterioration (DSD) shall be assessed using assessment criteria in accordance with the MPI Repainting Manual.
- .3 Check moisture content and alkalinity of surfaces to be painted in accordance with paragraph above titled Field Conditions.
- .4 Inspect surfaces to be coated for gouges, marks, nibs, and other defects and properly prepare patching, filling, smoothing or other surface preparation necessary to ensure satisfactory finish.
- .5 Report in writing any condition adversely affecting work of this section.
- .6 Proceed with work only when surfaces and conditions are satisfactory. Remove dust, grease, rust, scale and extraneous matter, tool and machine marks and insects from surfaces which could be detrimental to a satisfactory and acceptable finish.

3.2 Preparation

- .1 Comply with manufacturer's written requirements and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- .2 Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - .1 After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- .3 Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, mildew, grease, and incompatible paints, encapsulants, and other deleterious materials.
- .4 Paint surfaces when moisture content or alkalinity of surfaces to be painted comply with paragraph 3.5 Field Quality Control / Standard of Acceptance.
- .5 Concrete substrates: Remove release agents, curing compounds, efflorescence, and chalk.
- .6 Shop-primed steel substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .7 ZF75 and ZF120 galvanized-metal substrates: Remove grease and oil residue from galvanized sheet metal by methods to produce clean surfaces that promote adhesion of subsequently applied paints.
- .8 Z275 galvanized-metal substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- .9 Aluminum substrates: Remove loose surface oxidation.
- .10 Existing painted substrates:
 - .1 Clean substrates as indicated above.
 - .2 Sound existing paint surfaces and remove paint surfaces that are not sound, loose or are otherwise stained, cracked, wrinkled, peeling, or defective.
 - .3 Dull hard or glossy surfaces by sanding or other abrasive methods prior to finishing.
 - .4 Apply tie-coat primer product that compatible with substrate as recommended by paint coatings manufacturer.
 - .5 Follow with paint finish coats as specified for like substrate materials specified herein.
- .11 Substrates to be repainted:
 - .1 Prepare surfaces for repainting in accordance with MPI Repainting Manual requirements.

3.3 Installation

- .1 Do not paint unless substrates are acceptable and/or until Field Conditions (heating, ventilation, lighting and completion of work of other sections) are acceptable for applications of *Products*.
- .2 Apply primer, paint or stain in accordance with MPI Manual Premium Grade finish requirements.
- .3 Schedule application of paints and coatings after cleaning to prevent field conditions causing flash-rusting, rusting, weathering or water damage to substrate, or other contamination of the substrate. Comply with MPI manual, MPI Repainting Manual, and manufacturer's written requirements, the most stringent of which shall govern.
- .4 Painting coats specified are intended to cover surfaces satisfactorily when applied at proper consistency and in accordance with manufacturer's recommendations.
- .5 Tint each coat of paint progressively lighter to enable confirmation of number of coats.
- .6 Unless otherwise approved by *Consultant*, apply a minimum of 4 coats of paint where deep or bright colours are used to achieve satisfactory results.
- .7 Sand and dust between each coat to provide an anchor for next coat and to remove defects visible from a distance up to 1000 mm (39").

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .8 Do not apply finishes on surfaces that are not sufficiently dry. Unless manufacturer's directions state otherwise, each coat shall be sufficiently dry and hard before a following coat is applied.
- .9 Prime coat of stain or varnish finishes may be reduced in accordance with manufacturer's directions.
- .10 Paint finish shall continue through behind wall-mounted items (i.e. chalk and tack boards) and exposed/ visible in complete work including interiors of cupboards and closets, tops of doors, trim, and the like, whether in sight line or not, including behind surface mounted fixtures and heating units.
- .11 *Consultant* shall have right to make changes in colour tone of finishes prior to final coat to obtain desired results without additional cost to *Owner*.
- .12 Access doors, prime coated butts and other prime painted hardware, registers, radiators and covers, exposed piping and electrical panels shall be painted to match adjacent surfaces in terms of colour, texture and sheen, unless otherwise indicated.

3.4 Mechanical and Electrical Items

- .1 Finish paint primed mechanical and electrical items with 2 coats of paint. Include for the following list unless otherwise indicated:
 - .1 Exposed conduit.
 - .2 Exposed ductwork.
 - .3 Grilles.
 - .4 Fire hose cabinets.
 - .5 Fire extinguisher cabinets.
 - .6 Louvres.
 - .7 Vents.
- .2 Prime and paint exposed insulated and bare pipes. Prime and paint exposed conduits and electrical raceways, fittings, outlet boxes, junction boxes, pull boxes and similar items. Use heat resistant epoxy paint on pipes and surfaces where operating surface temperature exceeds 65°C.
- .3 Coordinate the painting of pipes, and coverings with mechanical contractor applying colour banding, flow arrows and pipe identification after the painting of pipes and coverings.
- .4 Paint work to match adjacent walls and ceilings unless directed otherwise.
- .5 Paint interior surfaces of air ducts and pipe trenches including heating pipes and elements that are visible through grilles and louvres with one coat of flat metal paint to limit of sight-line. Paint to be black or white as directed by *Consultant*.
- .6 Gas pipes, whether concealed or exposed, shall be painted in accordance with gas code.
- .7 Paint and finish wall surfaces behind convectors. Walls to be finished prior to installation of convector covers. Touch up walls after covers are installed as necessary to make good installation damage.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

3.5 Field Quality Control

- .1 Conduct quality control in accordance with Section 01 45 00.
 - .1 Field tests and inspections:
 - .1 Paint and Coating Quality Assurance Inspections:
 - .1 Field quality control shall be in accordance with Section 01 45 00.
 - .2 Moisture and alkalinity testing:
 - .1 Check moisture content of surfaces to be painted using properly calibrated electronic moisture meter approved by paint manufacturer, and *Consultant*, or other approved method. Maximum moisture contents shall be in accordance with manufacturer's recommendations and as follows:
 - .1 Concrete and concrete masonry (clay and concrete brick/block): Maximum 12%.
 - .2 Gypsum board and plaster: Maximum 12%.
 - .3 Wood: Maximum 15%.
 - .2 Conduct moisture tests on concrete floors using cover patch test method.
 - .3 Test concrete, masonry and plaster surfaces for alkalinity.
 - .3 Painted surfaces shall be considered to lack uniformity and soundness if any of the following defects are apparent to the *Consultant*:
 - .1 Brush / roller marks, streaks, laps, runs, sags, drips, heavy stippling, hiding or shadowing by inefficient application methods, skipped or missed areas, and foreign materials in paint coatings.
 - .2 Evidence of poor coverage at rivet heads, plate edges, lap joints, crevices, pockets, corners and re-entrant angles.
 - .3 Damage due to touching before paint is sufficiently dry or any other contributory cause.
 - .4 Damage due to application on moist surfaces or caused by inadequate protection from weather.
 - .5 Damage and/or contamination of paint due to blown contaminants (dust, spray paint, etc.).
 - .4 Painted surfaces shall be considered unacceptable if any of the following are evident under natural lighting source for exterior surfaces and final lighting source (including daylight) for interior surfaces to the *Consultant*:
 - .1 Visible defects are evident on vertical and horizontal surfaces when viewed at normal viewing angles from a distance of not less than 1000 mm (39").
 - .2 Visible defects are evident on ceiling, soffit and other overhead surfaces when viewed at normal viewing angles.
 - .3 When final coat on any surface exhibits a lack of uniformity of colour, sheen, texture, and hiding across full surface area.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

- .5 Painted surfaces rejected by the *Consultant* shall be made good at the expense of the *Subcontractor*. Small affected areas may be touched up; large affected areas or areas without sufficient dry film thickness of paint shall be repainted. Runs, sags of damaged paint shall be removed by scraper or by sanding prior to application of paint.
- .6 Painting *Subcontractor* shall obtain from *Contractor* written confirmation of specific surface preparation procedures and primers used for fabricated steel items from the fabricator/*Supplier* to ascertain appropriate and manufacturer compatible finish coat materials to be used before painting any such work.

3.6 Adjusting and Cleaning

- .1 Promptly as work proceeds and on completion of *Work*, remove paint where spilled, splashed or spattered during the progress of the *Work*. Keep the premises free from unnecessary accumulation of tools, equipment, surplus materials and debris; at the conclusion of the work leave the premises clean.

3.7 Interior Paint Systems

- .1 System references listed are based on MPI Manual and are Premium Grade, High Performance Architectural, unless otherwise indicated:
 - .1 Concrete vertical surfaces: (including ceilings)
 - .1 INT 3.1C High performance architectural latex.
 - .2 Concrete horizontal surfaces: (floors and stairs)
 - .1 INT 3.2A Latex floor enamel finish.
 - .3 Concrete masonry unit assemblies:
 - .1 INT 4.2D High performance architectural latex (over latex block filler.
 - .2 INT 4.2P High performance architectural latex finish (over alkali resistant primer).
 - .3 INT 4.2K W.B. Light Industrial Coating (over latex primer/sealer).
 - .4 Primed ferrous metal; touch-up and finish coats required under this section:
 - .1 Ferrous metal fabrications: Prepared and primed in accordance with Section 05 50 00.
 - .2 INT 5.1R High performance architectural latex.
 - .5 Galvanized metal: (doors, frames, railings, misc. steel, pipes, overhead decking, ducts, etc.)
 - .1 INT 5.3M High performance architectural latex.
 - .6 Plaster and gypsum board: (gypsum wallboard, drywall and textured finishes)
 - .1 INT 9.2B High performance architectural latex finish:
 - .2 INT 9.2L W.B. Light Industrial Coating (over latex primer/sealer).

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

3.8 Exterior Paint Systems

- .1 System references listed are based on MPI Manual and are Premium Grade, Low VOC (Green Seal GS-11), unless otherwise indicated:
 - .1 Concrete vertical surfaces: (including horizontal soffits)
 - .1 EXT 3.1A Latex finish (over alkali resistant primer); gloss level: G3.
 - .2 Concrete horizontal surfaces: (decks, stairs, driveways, parking and court areas, etc.)
 - .3 EXT 3.2H Clear water based sealer finish.
 - .4 Concrete masonry units: (smooth and split face block and brick)
 - .1 EXT 4.2A Latex finish (over block filler); gloss level: G5.
 - .5 Traffic markings, including parking garages: in accordance with Section 32 17 23.
 - .6 Structural steel and metal fabrications:
 - .1 EXT 5.1B Water based light industrial coating (over inorganic zinc); gloss level: G5.
 - .2 EXT 5.1M Water based light industrial coating (over water based epoxy primer); gloss level: G5.
 - .7 Galvanized metal (not chromate passivated): (for high contact / high traffic area doors, frames, railings, misc. steel, pipes, etc.; for low contact / low traffic area overhead decking, ducts, gutters, flashing, etc.)
 - .1 EXT 5.3N Alkyd (over water based galvanized primer); gloss level: G5.

3.9 Interior Repaint Systems

- .1 System references listed are based on MPI Repainting Manual and are Premium Grade, Low VOC (Green Seal GS-11), unless otherwise indicated:
 - .1 Concrete vertical surfaces: (including ceilings)
 - .1 RIN 3.1J High performance architectural latex.
 - .2 Concrete horizontal surfaces: (floors and stairs)
 - .1 RIN 3.2A Latex floor enamel finish; gloss level G5 G6.
 - .3 Concrete masonry unit assemblies (smooth and split face block and brick):
 - .1 RIN 4.2K High performance architectural latex finish.
 - .4 Galvanized metal: (doors, frames, etc.)
 - .1 RIN 5.3J High performance architectural latex (do not use flat finish on doors and door frames).
 - .5 Plaster and gypsum board: (gypsum wallboard, drywall and textured finishes)
 - .1 RIN 9.2B High performance architectural latex finish.

Painting

Section revised and reissued by Addendum 01
Section revised and reissued by Addendum 02
Section revised and reissued by Addendum 03

3.10 Exterior Repaint Systems

- .1 System references listed are based on MPI Repainting Manual and are Premium Grade, Low VOC (Green Seal GS-11), unless otherwise indicated:
 - .1 Concrete vertical surfaces: (including horizontal soffits)
 - .1 REX 3.1L Latex finish (over alkali resistant primer); gloss level: G3.
 - .2 Concrete horizontal surfaces: (decks, stairs, driveways, parking and court areas, etc.)
 - .1 REX 3.2H Clear water based sealer finish.
 - .3 Concrete masonry units: (smooth and split face block and brick)
 - .1 REX 4.2L Latex finish (over alkali resistant primer); gloss level: G5.
 - .4 Structural steel and metal fabrications:
 - .1 REX 5.1D Alkyd; gloss level: G5.
 - .5 Galvanized metal (not chromate passivated):
 - .1 REX 5.3B Alkyd finish; gloss level: G5.

3.11 Epoxy Floor Coating (EPT):

- .1 Water based epoxy coating in accordance with MPI #115.
- .2 Basis of Design:
 - .1 Sherwin Williams 'Pro Industrial Water Based Catalyzed Epoxy B73W311/B73V300'.

END OF SECTION