

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 051223 - Structural Steel for Buildings
- .2 Section 055000 - Metal Fabrications
- .3 Section 061000 - Rough Carpentry
- .4 Section 076200 - Sheet Metal Flashing and Trim

1.2 REFERENCES

- .1 Latest Architectural Painting Specifications Manual, Master Painters Institute (MPI).
- .2 Systems and Specifications Manual, SSPC Painting Manual, Volume One and Two, Society for Protective Coatings (SSPC).
- .3 Test Method for Measuring Total Volatile Organic Compound Content of Consumer Products, Method 24 (for Surface Coatings) of the Environmental Protection Agency (EPA).
- .4 National Fire Code of Canada, latest edition.

1.3 QUALITY ASSURANCE

- .1 Contractor shall have a minimum of five years proven satisfactory experience. When requested, provide a list of last three comparable jobs including, job name and location, specifying authority, and project manager.
- .2 Qualified journeymen who have a "Tradesman Qualification Certificate of Proficiency" shall be engaged in painting work. Apprentices may be employed provided they work under the direct supervision of a qualified journeyman in accordance with trade regulations.
- .3 Conform to latest MPI requirements including preparation and priming.
- .4 Materials (primers, paints, coatings, varnishes, stains, lacquers, fillers, thinners, solvents, etc.) shall be in accordance with MPI Painting Specification Manual "Approved Product" listing and shall be from a single manufacturer for each system used.

- .5 Other paint materials such as linseed oil, shellac, turpentine, etc. shall be the highest quality product of an approved manufacturer listed in MPI Painting Specification Manual and shall be compatible with other coating materials as required.
- .6 Retain purchase orders, invoices and other documents to prove conformance with noted MPI requirements when requested by Departmental Representatives.
- .7 Standard of Acceptance:
 - .1 Final coat to exhibit uniformity of colour and uniformity of sheen across full surface area.
 - .2 Walls: No defects visible from a distance of 1000mm at 90° to surface when viewed using final light source.
 - .3 Ceilings: No defects visible from floor at 45° to surface when viewed using final light source.

1.4 ENVIRONMENTAL PERFORMANCE REQUIREMENTS

- .1 Overall duty cycle performances of paint products will take precedence over paint material VOC content levels.
- .2 Provide paint products meeting MPI "Environmentally Friendly" E2 ratings based on VOC (EPA Method 24) content levels where available.
- .3 Where indoor air quality (odour) is a problem, use only MPI listed materials having a minimum E3 rating.

1.5 INSPECTION REQUIREMENTS

- .1 Painting and decorating work shall be inspected by a MPI Paint Inspection Agency inspector acceptable to the specifying authority. Painting contractor shall notify Paint Inspection Agency a minimum of one week prior to commencement of work and provide a copy of project painting specification, plans and elevation drawings (including pertinent details) as well as a Finish Schedule.
- .2 Where "special" painting, coating or decorating system applications (i.e. elastomeric coatings) or non-MPI listed products or systems are to be used, paint or coating manufacturer shall provide as part of this work, certification of surfaces and conditions for specific paint or coating system application as well as on site supervision, inspection and approval of their

paint or coating system application as required at no additional cost to Departmental Representatives.

1.6 SCHEDULING OF WORK

- .1 Submit work schedule for various stages of painting for approval. Submit schedule minimum of 48 hours in advance of proposed operations.
- .2 Obtain written authorization from Departmental Representatives for any changes in work schedule.
- .3 Schedule painting operations to prevent disruption of occupants in and about the building.

1.7 SUBMITTALS

- .1 Submit for approval by Departmental Representatives a list of proposed paint materials for each interior and exterior
 - .1 Submit product data of all proposed products for approval. List each product and include the following:
 - .1 Finish formula designation.
 - .2 Product type and use.
 - .3 Manufacturer's product number.
 - .4 Colour number.
 - .5 Fire rating classification - when applicable.
 - .6 Manufacturer's Material Safety Data Sheets (MSDS).
 - .7 Maximum VOC classification.
 - .8 EcoLogo Certification.
 - .2 Submit product data and manufacturer's installation/application instructions for each paint and coating product approved in accordance with Section 013300 - Submittal Procedures.
 - .3 Submit WHMIS MSDS.- Material Safety Data Sheets in accordance with Section 013300 - Submittal Procedures.
 - .4 Upon completion, submit records of products used. List products in relation to finish system and include the following:
 - .1 Product name, type and use.
 - .2 Manufacturer's product number.

- .3 Colour number(s).
- .4 MPI Environmentally Friendly classification system rating.
- .5 Manufacturer's Material Safety Data Sheets (MSDS).

1.8 SAMPLES

- .1 Submit full range colour sample chips in accordance with Section 013300 - Submittal Procedures. Indicate where colour availability is restricted.
- .2 Submit duplicate 200 x 300 mm sample panels of each paint, stain, clear coating, special finish with specified paint or coating in colours, gloss/sheen and textures required to MPI Painting Specification Manual standards submitted on the following substrate materials:
 - .1 3 mm plate steel for finishes over metal surfaces.
 - .2 13 mm gypsum board for finishes over gypsum board and other smooth surfaces.
- .3 When approved, sample panels shall become acceptable standard of quality for appropriate on-site surface with one of each sample retained on-site.

1.9 QUALITY CONTROL

- .1 Provide mock-up in accordance with Section 014500 - Quality Control.
- .2 When requested by Departmental Representatives or MPI Paint Inspection Agency, prepare and paint designated surface, area, room or item (in each colour scheme) to requirements specified herein, with specified paint or coating showing selected colours, gloss/sheen, textures and workmanship to MPI Painting Specification 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.

1.10 EXTRA MATERIALS

- .1 Submit maintenance materials in accordance with Section 017800 - Closeout Submittals.
- .2 Submit one - four litre can of each type and colour of finish coating. Identify colour and paint type in relation to established colour schedule and finish system.
- .3 Deliver to General Contractor and store where directed.

1.11 DELIVERY, HANDLING AND STORAGE

- .1 Deliver, store and handle materials in accordance with Section 016100 - Basic Product Requirements.
- .2 Labels shall clearly indicate:
 - .1 Manufacturer's name and address.
 - .2 Type of paint or coating.
 - .3 Compliance with applicable standard.
 - .4 Colour number in accordance with established colour schedule.
- .3 Remove damaged, opened and rejected materials from site.
- .4 Provide and maintain dry, temperature controlled, secure storage.
- .5 Observe manufacturer's recommendations for storage and handling.
- .6 Store materials and supplies away from heat generating devices.
- .7 Store materials and equipment in a well-ventilated area with temperature range 7°C to 30°C.
- .8 Store temperature sensitive products above minimum temperature as recommended by manufacturer.
- .9 Keep areas used for storage, cleaning and preparation, clean and orderly to approval of Departmental Representatives. After completion of operations, return areas to clean condition to approval of Departmental Representatives.
- 10 Remove paint materials from storage only in quantities required for same day use.
- .11 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling storage, and disposal of hazardous materials.
- .12 Fire Safety Requirements:
 - .1 Provide one 9 kg Type ABC fire extinguisher adjacent to storage area.
 - .2 Store oily rags, waste products, empty containers and materials subject to spontaneous combustion in ULC approved, sealed containers and remove from site on a daily basis.

- .3 Handle, store, use and dispose of flammable and combustible materials in accordance with the National Fire Code of Canada.

1.12 SITE REQUIREMENTS

- .1 Heating, Ventilation and Lighting:
 - .1 Perform no painting work unless adequate and continuous ventilation and sufficient heating facilities are in place to maintain ambient air and substrate temperatures above 10°C for 24 hours before, during and after paint application until paint has cured sufficiently.
 - .2 Where required, provide continuous ventilation for seven days after completion of application of paint.
 - .3 Coordinate use of ventilation system with General Contractor and ensure its operation during and after application of paint as required.
 - .4 Provide temporary ventilating and heating equipment where permanent facilities are not available or supplemental ventilating and heating equipment if ventilation and heating from building system is inadequate or unavailable to meet minimum requirements.
 - .5 Perform no painting work unless a minimum lighting level of 323 Lux is provided on surfaces to be painted. Adequate lighting facilities shall be provided by General Contractor.
- .2 Temperature, Humidity and Substrate Moisture Content Levels:
 - .1 Unless specifically pre-approved by the specifying body, Paint Inspection Agency and the applied product manufacturer, perform no painting work when:
 - .2 Ambient air and substrate temperatures are below 10°C.
 - .3 Substrate temperature is over 32°C unless paint is specifically formulated for application at high temperatures.
 - .4 Substrate and ambient air temperatures are expected to fall outside MPI or paint manufacturer's prescribed limits.
 - .5 The relative humidity is above 85% or when the dew point is less than 3°C variance between the air/surface temperature.

- .6 Rain or snow are forecast to occur before paint has thoroughly cured or when it is foggy, misty, raining or snowing at site.
- .3 Perform no painting work when the maximum moisture content of the substrate exceeds:
 - .1 12% for concrete and masonry (clay and concrete brick/block).
 - .2 15% for wood.
 - .3 12% for plaster and gypsum board.
- .4 Conduct moisture tests using a properly calibrated electronic Moisture Meter, except test concrete floors for moisture using a simple "cover patch test".
- .5 Test concrete, masonry and plaster surfaces for alkalinity as required.
- .6 Surface and Environmental Conditions:
 - .1 Apply paint finish only in areas where dust is no longer being generated by related construction operations or when wind or ventilation conditions are such that airborne particles will not affect quality of finished surface.
 - .2 Apply paint only to adequately prepared surfaces and to surfaces within moisture limits noted herein.
 - .3 Apply paint only when previous coat of paint is dry or adequately cured.
 - .4 Apply paint finishes only when conditions forecast for entire period of application fall within manufacturer's recommendations.
- .7 Do not apply paint when:
 - .1 Temperature is expected to drop below 10°C before paint has thoroughly cured.
 - .2 Substrate and ambient air temperatures are expected to fall outside MPI or paint manufacturer's limits.
 - .3 Surface to be painted is wet, damp or frosted.
 - .4 Provide and maintain cover when paint must be applied in damp or cold weather. Heat substrates and surrounding air to comply with temperature and humidity conditions specified by manufacturer. Protect until paint is dry or until weather conditions are suitable.
 - .5 Schedule painting operations such that surfaces exposed to direct, intense sunlight are scheduled for completion during early morning.
 - .6 Remove paint from areas which have been exposed to freezing, excess humidity,

- rain, snow or condensation. Prepare surface again and repaint.
- .7 Paint occupied facilities in accordance with approved schedule only. Schedule operations to approval of the Departmental Representatives such that painted surfaces will have dried and cured sufficiently before occupants are affected.
 - .8 Additional Interior Application Requirements:
 - .1 Apply paint finishes only when temperature at location of installation can be satisfactorily maintained within manufacturer's recommendations.
 - .2 Apply paint in occupied facilities during silent hours only.
 - .3 Schedule operations to approval of Departmental Representatives such that painted surfaces will have dried and cured sufficiently before occupants are affected.

1.13 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01355 - Waste Management and Disposal.
- .2 Paint, stain and wood preservative finishes and related materials (thinners, solvents, etc.,) are regarded as hazardous products and are subject to regulations for disposal. Information on these controls can be obtained from Provincial Ministries of Environment and Regional levels of Government.
- .3 Material which cannot be reused must be treated as hazardous waste and disposed of in an appropriate manner.
- .4 Place materials defined as hazardous or toxic waste, including used sealant and adhesive tubes and containers, in containers or areas designated for hazardous waste.
- .5 To reduce the amount of contaminants entering waterways, sanitary/storm drain systems or into ground the following procedures shall be strictly adhered to:
 - .6 Retain cleaning water for water-based materials to allow sediments to be filtered out.
 - .7 Retain cleaners, thinners, solvents and excess paint and place in designated containers and ensure proper disposal.
 - .8 Return solvent and oil soaked rags used during painting operations for contaminant recovery,

- proper disposal, or appropriate cleaning and laundering.
- .9 Dispose of contaminants in an approved legal manner in accordance with hazardous waste regulations.
 - .10 Empty paint cans are to be dry prior to disposal or recycling (where available).
 - .11 Where paint recycling is available, collect waste paint by type and provide for delivery to recycling or collection facility.
 - .12 Set aside and protect surplus and uncontaminated finish materials: Deliver to or arrange collection for verifiable re-use or re-manufacturing.
 - .13 Close and seal tightly partly used sealant and adhesive containers and store protected in well ventilated fire-safe area at moderate temperature.

1.14 GUARANTEE

- .1 Provide either the local MPI Accredited Quality Assurance Association's two (2) year guarantee, or alternately, a 100% two (2) year Maintenance Bond, both in accordance with MPI Painting Manual requirements. Maintenance Bond to warrant that all painting work has been performed in accordance with MPI Painting Manual requirements.
- .2 All painting and decorating work to be in accordance with MPI Painting Manual requirements and to be inspected by the local MPI Accredited Quality Assurance Association's Paint Inspection Agency inspector. Include cost of MPI inspections in the Base Bid Price.
- .3 Painting and decorating sub-contractors choosing the Maintenance Bond option are to provide maintenance bond consent from a reputable surety company licensed to do business in Canada. Cash or certified cheque is not acceptable in lieu of surety consent.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Paint materials listed in the MPI Approved Products List (APL) are acceptable for use on this project.

- .2 Paint materials for paint systems shall be products of a single manufacturer.
- .3 Only qualified products with E2 "Environmentally Friendly" rating are acceptable for use on this project, subject to duty cycle performance.
- .4 Water-borne surface coatings must be manufactured and transported in a manner that steps of process, including disposal of waste products arising therefrom, will meet requirements of applicable governmental acts, by-laws and regulations including, for facilities located in Canada, Fisheries Act and Canadian Environmental Protection Act (CEPA).
- .5 Water-borne surface coatings must not be formulated or manufactured with aromatic solvents, formaldehyde, halogenated solvents, mercury, lead, cadmium, hexavalent chromium or their compounds.
- .6 Water-borne surface coatings and recycled water-borne surface coatings must have a flash point of 61.0 °C or greater.
- .7 Both water-borne surface coatings and recycled water-borne surface coatings must be made by a process that does not release:
- .8 Matter in undiluted production plant effluent generating a 'Biochemical Oxygen Demand' (BOD) in excess of 15 mg/L to a natural watercourse or a sewage treatment facility lacking secondary treatment.
- .9 Total Suspended Solids (TSS) in undiluted production plant effluent in excess of 15 mg/L to a natural watercourse or a sewage treatment facility lacking secondary treatment.
- .10 Water-borne paints and stains, recycled water-borne surface coatings and water borne varnishes must meet a minimum "Environmentally Friendly" E2 rating, subject to duty cycle performance.

2.2 COLOURS

- .1 Departmental Representatives will provide Colour Schedule after Contract award, prior to finishing work.
- .2 Colours selected will match existing paint colours.
- .3 Selection of colours will be from manufacturers full range of colours.

- .4 Where specific products are available in a restricted range of colours, selection will be based on the limited range.
- .5 Second coat in a three coat system to be tinted slightly lighter colour than top coat to show visible difference between coats.

2.3 MIXING AND TINTING

- .1 Perform colour tinting operations prior to delivery of paint to site. On-site tinting of painting materials is allowed only with Departmental Representatives's written permission.
- .2 Paste, powder or catalyzed paint mixes shall be mixed in strict accordance with manufacturer's written instructions.
- .3 Where thinner is used, addition shall not exceed paint manufacturer's recommendations. Do not use kerosene or any such organic solvents to thin water-based paints.
- .4 Thin paint for spraying according in strict accordance with paint manufacturer's instructions. If directions are not on container, obtain instructions in writing from manufacturer and provide copy of instructions to Departmental Representatives.
- .5 Re-mix paint in containers prior to and during application to ensure break-up of lumps, complete dispersion of settled pigment, and colour and gloss uniformity.

2.4 GLOSS/SHEEN RATINGS

- .1 Paint gloss shall be defined as the sheen rating of applied paint, in accordance with the following values:

Gloss Level Category	Units @ 60°	Units @ 85°
G1-matte finish	0 to 5	max. 10
G2-velvet finish	0 to 10	10 to 35
G3-eggshell finish	10 to 25	10 to 35
G4-satin finish	20 to 35	min. 35
G5-semi-gloss finish	35 to 70	
G6-gloss finish	70 to 85	
G7-high gloss finish	>85	

- .2 Gloss level ratings of painted surfaces as specified herein and/or as noted on Finish Schedule.

2.5 EXTERIOR PAINTING SYSTEMS - Premium Grade

- .1 Structural Steel and Metal Fabrications:
EXT 5.1C - Waterborne light industrial
gloss level 5 coating (over alkyd primer).
- .2 Galvanized Metal: not chromate passivated
EXT 5.3B - Alkyd gloss level 5 finish.

2.6 INTERIOR PAINTING SYSTEMS - Premium Grade

- .1 Structural Steel and Metal Fabrications:
INT 5.1E Alkyd gloss level 5 finish.
- .2 Galvanized Metal: railings, misc. steel, pipes,
overhead decking, ducts, etc.
INT 5.3C Alkyd gloss level 5 finish (over
cementitious primer).
- .3 Plaster and Gypsum Board: gypsum wallboard,
drywall, "sheet rock type material", etc., and
textured finishes
INT 9.2B High performance architectural
latex gloss level 3 finish.
- .4 Canvas and Cotton Coverings:
INT 10.1A Latex gloss level 3 finish.

PART 3 - EXECUTION

3.1 GENERAL

- .1 Perform preparation and operations for interior
painting in accordance with MPI Painting
Specifications Manual except where specified
otherwise.
- .2 Apply paint materials in accordance with paint
manufacturer's written application instructions.
- .3 Where renovation work takes place on a wall or
where equipment or furnishings are relocated on
a wall, repaint entire wall.

3.2 EXISTING CONDITIONS

- .1 Investigate existing substrates for problems
related to proper and complete preparation of
surfaces to be painted as recommended by MPI for
scheduled paint product. Report to Departmental
Representatives damages, defects, unsatisfactory
or unfavourable conditions before proceeding
with work.
- .2 Conduct moisture testing of surfaces to be
painted using a properly calibrated electronic

moisture meter, except test concrete floors for moisture using a simple "cover patch test" and report findings to Departmental Representatives. Do not proceed with work until conditions fall within acceptable range as recommended by manufacturer.

- .3 Maximum moisture content as follows:
 - .1 Stucco, Plaster and Gypsum Board: 12%.

3.3 PROTECTION

- .1 Protect existing building surfaces and adjacent structures from paint spatters, markings and other damage by suitable non-staining covers or masking. If damaged, clean and restore such surfaces as directed by Departmental Representatives.
- .2 Protect items that are permanently attached such as Fire Labels on doors and frames.
- .3 Protect factory finished products and equipment.
- .4 Protect passing pedestrians, building occupants, parked vehicles and general public in and around the building.
- .5 Removal of electrical cover plates, light fixtures, surface hardware on doors, bath accessories and other surface mounted equipment, fittings and fastenings shall be done prior to undertaking any painting operations by General Contractor. Items shall be securely stored and re-installed after painting is completed by General Contractor.
- .6 Move and cover furniture and portable equipment as necessary to carry out painting operations. Replace as painting operations progress.
- .7 As painting operations progress, place "WET PAINT" signs in pedestrian and vehicle traffic areas to approval of Departmental Representatives.

3.4 CLEANING AND PREPARATION

- .1 Clean and prepare surfaces in accordance with MPI Painting Specification Manual requirements. Refer to MPI Manual in regard to specific requirements and as follows:
- .2 Remove dust, dirt, and other surface debris by vacuuming, wiping with dry, clean cloths or compressed air.
- .3 Wash surfaces with a biodegradable detergent (and bleach where applicable) and clean warm water using a stiff bristle brush to remove

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- dirt, oil and other surface contaminants.
- .4 Rinse scrubbed surfaces with clean water until foreign matter is flushed from surface.
 - .5 Allow surfaces to drain completely and allow to dry thoroughly.
 - .6 Prepare surfaces for water-based painting, water-based cleaners should be used in place of organic solvents.
 - .7 Use trigger operated spray nozzles for water hoses.
 - .8 Many water-based paints cannot be removed with water once dried. However, minimize the use of kerosene or any such organic solvents to clean up water-based paints.
 - .9 Prevent contamination of cleaned surfaces by salts, acids, alkalis, other corrosive chemicals, grease, oil and solvents before prime coat is applied and between applications of remaining coats. Apply primer, paint, or pretreatment as soon as possible after cleaning and before deterioration occurs.
 - .10 Sand and dust between coats as required to provide adequate adhesion for next coat and to remove defects visible from a distance up to 1 000 mm.
 - .11 Clean metal surfaces to be painted by removing rust, loose mill scale, welding slag, dirt, oil, grease and other foreign substances in accordance with MPI requirements. Remove traces of blast products from surfaces, pockets and corners to be painted by brushing with clean brushes, blowing with clean dry compressed air, or vacuum cleaning.
 - .12 Prepare structural steel and metal fabrications surfaces scheduled for painting to minimum Steel Structural Painting Council (SSPC) SSPC-SP 6 and prime with the scheduled primer. Do not apply temporary protective coatings conforming to 1-73a of the Institute of Steel Construction.
 - .13 Touch up of shop primers with primer as specified in applicable section. Major touch-up including cleaning and painting of field connections, welds, rivets, nuts, washers, bolts, and damaged or defective paint and rusted areas, shall be by supplier of fabricated material.
 - .14 Do not apply paint until prepared surfaces have been accepted by Inspecting Agency.
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3.5 APPLICATION

- .1 Method of application to be as approved by Inspection Agency. Apply paint by brush or roller or sprayer. Conform to manufacturer's application instructions unless specified otherwise.
- .2 Brush and Roller Application:
 - .1 Apply paint in a uniform layer using brush and/or roller of types suitable for application.
 - .2 Work paint into cracks, crevices and corners.
 - .3 Paint surfaces and corners not accessible to brush using spray, daubers and/or sheepskins. Paint surfaces and corners not accessible to roller using brush, daubers or sheepskins.
 - .4 Brush and/or roll out runs and sags, and over-lap marks. Rolled surfaces shall be free of roller tracking and heavy stipple unless approved by Departmental Representatives.
 - .5 Remove runs, sags and brush marks from finished work and repaint.
- .3 Spray application:
 - .1 Provide and maintain equipment that is suitable for intended purpose, capable of properly atomizing paint to be applied, and equipped with suitable pressure regulators and gauges.
 - .2 Keep paint ingredients properly mixed in containers during paint application either by continuous mechanical agitation or by intermittent agitation as frequently as necessary.
 - .3 Apply paint in a uniform layer, with overlapping at edges of spray pattern.
 - .4 Brush out immediately all runs and sags.
 - .5 Use brushes to work paint into cracks, crevices and places which are not adequately painted by spray.
- .4 Use dipping, sheepskins or daubers only when no other method is practical in places of difficult access and only when specifically authorized by Departmental Representatives.
- .5 Apply coats of paint as a continuous film of uniform thickness. Repaint thin spots or bare areas before next coat of paint is applied.
- .6 Allow surfaces to dry and properly cure after cleaning and between subsequent coats for

minimum time period as recommended by manufacturer.

- .7 Sand and dust between coats to remove visible defects.
- .8 Finish surfaces both above and below sight lines as specified for surrounding surfaces, including such surfaces as tops of interior cupboards and cabinets and projecting ledges.
- .9 Finish walls minimum 100 mm above line of finish suspended ceiling.

3.6 MECHANICAL/ELECTRICAL EQUIPMENT

- .1 Unless otherwise specified, paint finished area exposed conduits, piping, hangers, ductwork and other mechanical and electrical equipment with colour and finish to match adjacent surfaces, except as noted otherwise.
- .2 Other unfinished areas: leave exposed conduits, piping, hangers, ductwork and other mechanical and electrical equipment in original finish and touch up scratches and marks.
- .3 Touch up scratches and marks on factory painted finishes and equipment with paint as supplied by manufacturer of equipment.
- .4 Do not paint over nameplates.
- .5 Keep sprinkler heads free of paint.
- .6 Paint inside of ductwork where visible behind grilles, registers and diffusers with primer and one coat of matt black paint.
- .7 Paint fire protection piping red.
- .8 Paint disconnect switches for fire alarm system and exit light systems in red enamel.
- .9 Paint natural gas piping yellow.
- .10 Paint steel electrical light standards.
- .11 Paint both sides and edges of backboards for telephone and electrical equipment before installation. Leave equipment in original finish except for touch-up as required, and paint conduits, mounting accessories and other unfinished items.
- .12 Do not paint interior transformers and substation equipment.

3.7 FIELD QUALITY CONTROL

- .1 Field inspection of painting operations to be carried out by MPI Inspector.
- .2 Advise MPI inspector and Departmental Representatives when surfaces and applied coating is ready for inspection. Do not proceed with subsequent coats until previous coat has been approved.
- .3 Co-operate with MPI inspector and provide access to areas of work.

3.8 RESTORATION

- .1 Clean and re-install all hardware items removed before undertaken painting operations.
- .2 Remove protective coverings and warning signs as soon as practical after operations cease.
- .3 Remove paint splashings on exposed surfaces that were not painted. Remove smears and spatter immediately as operations progress, using compatible solvent.
- .4 Protect freshly completed surfaces from paint droppings and dust to approval of Departmental Representatives. Avoid scuffing newly applied paint.
- .5 Restore areas used for storage, cleaning, mixing and handling of paint to clean condition as approved by Departmental Representatives.

END OF SECTION