

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Gypsum board and joint treatment.
- .2 Gypsum sheathing.
- .3 Cementitious backer board.
- .4 Metal stud wall framing.
- .5 Acoustic accessories.

1.2 RELATED SECTIONS

- .1 Section 06 10 53 - Rough Carpentry.
- .2 Section 07 21 15 – Insulation: Thermal insulation.
- .3 Section 07 28 00 - Air and Vapour Barriers.
- .4 Section 07 92 00 - Joint Sealers
- .5 Section 08 11 00 - Metal Doors and Frames.
- .6 Section 09 91 00 - Painting.

1.3 REFERENCES

- .1 ASTM C475/C475M-12 - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board.
- .2 ASTM C514-04(2009) e1 - Standard Specification for Nails for the Application of Gypsum Board.
- .3 ASTM C645-11a - Standard Specification for Nonstructural Steel Framing Members.
- .4 ASTM C754-11 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.
- .5 ASTM C840-11 - Standard Specification for Application and Finishing of Gypsum Board.
- .6 ASTM C1002-07 - Standard Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs.
- .7 ASTM C1047-10a - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base.
- .8 ASTM C1396/C1396M-13 - Standard Specification for Gypsum Board.

- .9 Gypsum Association GA-214-10 - Recommended Levels of Gypsum Board Finish.
- .10 Gypsum Association GA-216-10 - Application and Finishing of Gypsum Panel Products.
- .11 Gypsum Association GA-600-12 - Fire Resistance Design Manual.
- .12 Gypsum Association GA-801-07 - Handling and Storage of Gypsum Panel Products: A Guide for Distributors, Retailers, and Contractors.
- .13 UL - Fire Resistance Directory.
- .14 ULC - Fire Resistance Directory.

1.4 QUALITY ASSURANCE

- .1 Perform Work in accordance with ASTM C840. GA-201, GA-214, GA-216 and GA-600.
- .2 Applicator Qualifications: Company specializing in performing the work of this section with minimum fiveyears experience.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for fire rated assemblies.

PART 2 PRODUCTS

2.1 MANUFACTURERS - GYPSUM BOARD SYSTEM

- .1 Domtar Construction Materials.
- .2 Certainteed.
- .3 Canadian Gypsum Company
- .4 Georgia Pacific Co.

2.2 FRAMING MATERIALS

- .1 Studs and Tracks: ASTM C645; GA-216 and GA-600; galvanized sheet steel, 0.021 inch thick, C shape, with knurled faces. Use 0.036 inch. steel studs for exterior wall framing.
- .2 Slip joint head track: 24 ga. thick, galvanized sheet steel, 2 inches deep.
- .3 Furring, Framing, and Accessories: ASTM C645. GA-216 and GA-600.
- .4 Fasteners: ASTM C1002.
- .5 Anchorage to Substrate: Tie wire, nails, screws, and other metal supports, of type and size to suit application; to rigidly secure materials in place.
- .6 Carrying Channels: 16 Ga. galvanized sheet steel, 1/2 x 3/4 inch.

- .7 Hangers: galvanized steel wire, size to suit application, maximum deflection 1/360.

2.3 GYPSUM BOARD MATERIALS

- .1 Standard Gypsum Board: ASTM C1396; 5/8 inch thick, maximum available length in place; ends square cut, squared edges.
- .2 Fire Rated Gypsum Board: ASTM C1396; fire resistive type, UL or WH rated; 5/8 inch thick, maximum available length in place; ends square cut, tapered edges.
- .3 Abuse resistant Gypsum board: ASTM C36; 5/8" thick, maximum available length in place; ends square cut, tapered edges, Fiberock AB Panels manufactured by CGC Inc. or Fiberbond by Louisiana-Pacific.
- .4 Cementitious Backing Board: High density Cement board; Hardiebacker manufactured by James Hardie building products, 1/2' thick.
 - .1 Finish: Factory prefinished; James Hardie ColorPlus Series Cement Fibre Coating; custom colour to match sample provided by Contract Administrator. Finished on all surfaces.

2.4 ACCESSORIES

- .1 Insulation: Section 07 21 15.
- .2 Corner Beads: 26 Ga. thick, galvanized sheet steel, paper faced; tapable
- .3 Edge Trim: GA-201 and GA-216; Galvanized steel with 'J' type bead, tapable.
- .4 Joint Materials: ASTM C475; reinforcing tape, joint compound, adhesive, and water.
- .5 Fasteners: ASTM C1002, Type S12.
- .6 Control joints: V profile with 1/4 inch open slot protected with plastic tape to be removed after joint finishing.

PART 3 EXECUTION

3.1 METAL STUD INSTALLATION

- .1 Install studs in accordance with manufacturer's instructions.
- .2 Metal Stud Spacing: 16 inches on center.
- .3 Reduce spacing of metal studs on curved walls to prevent flat sections between studs.
- .4 Extend stud framing to ceiling only. Attach ceiling runner securely to ceiling framing in accordance with manufacturer's instructions.

- .5 Refer to Drawings for indication of partitions extending stud framing through the ceiling to the structure above. Maintain clearance under structural building members to avoid deflection transfer to studs.
- .6 Install slip joint head track where stud walls meet structure. Allow for 1-1/2" deflection.
- .7 Door Opening Framing: Install double studs at door frame jambs.
- .8 Coordinate installation of bucks, anchors, blocking, electrical and mechanical work placed in or behind partition framing.
- .9 Install slip joint head track in non-load bearing fire rated walls in accordance with the requirements of the Manitoba Building code.
- .10 Frame openings in fire rated walls for fire dampers and hollow metal frames in accordance with NFPA 80, City of Winnipeg By-Law #4555/87 and the Manitoba Building code.

3.2 WALL FURRING INSTALLATION

- .1 Erect wall furring for direct attachment to masonry and concrete walls.
- .2 Erect furring channels vertically; space maximum 16 inches oc, not more than 4 inches>> from abutting walls. Secure in place on alternate channel flanges at maximum 24 inches>> on center.
- .3 Erect metal stud framing tight to concrete and concrete masonry walls, attached by adjustable furring brackets in accordance with manufacturer's instructions.

3.3 CEILING FRAMING INSTALLATION

- .1 Install in accordance with manufacturer's instructions.
- .2 Coordinate location of hangers with other work.
- .3 Install ceiling framing independent of walls, columns, and above ceiling work.
- .4 Reinforce openings in ceiling suspension system which interrupt main carrying channels or furring channels, with lateral channel bracing. Extend bracing minimum 24 inches past each end of openings.
- .5 Laterally brace entire suspension system.
- .6 Install access panels where indicated on drawings

3.4 GYPSUM BOARD INSTALLATION

- .1 Install gypsum board in accordance with GA-201, GA-216 and GA-600.
- .2 Erect single layer standard gypsum board with ends and edges occurring over firm bearing.

- .3 Erect single layer fire rated gypsum board, with edges and ends occurring over firm bearing.
- .4 Erect exterior gypsum sheathing horizontally, with edges butted tight and ends occurring over firm bearing.
- .5 Use screws when fastening gypsum board to metal furring or framing.
- .6 Treat cut edges and holes in moisture resistant gypsum board with sealant.
- .7 Place corner beads at external corners as indicated. Use longest practical length. Place edge trim where gypsum board abuts dissimilar materials.
- .8 Install backing board over metal studs in accordance with manufacturer's instructions.
- .9 Provide fire rated slip joint head track where fire rated walls meet structure.
- .10 Install gypsum board in top of door frames and in perimeter of fire damper openings in accordance with NFPA 80 and the Manitoba Building code.

3.5 JOINT TREATMENT

- .1 Finish in accordance with GA-214 Level 4.
- .2 Finish fire rated walls above ceilings in accordance with GA-214 level 1.
- .3 Finish sound rated walls above ceilings in accordance with GA-214 level 2 finish with flush joints. Seal any penetrations.
- .4 Fill and finish joints and corners of cementitious backing board.

3.6 TOLERANCES

- .1 Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

END OF SECTION

PART 1 General

1.1 SECTION INCLUDES

- .1 Ceramic wall finish using the thinset application method.
- .2 Stone wall tile.

1.2 RELATED SECTIONS

- .1 Section 09 21 16 - Gypsum Board Assemblies: Wall substrate surface.

1.3 REFERENCES

- .1 ANSI A108.1 - Installation of Ceramic Tile with Portland Cement Mortar.
- .2 ANSI A108.10 - Installation of Grout in Tilework.
- .3 ANSI A118.4 - Latex-Portland Cement Mortar.
- .4 ANSI A118.6 - Ceramic Tile Grouts.
- .5 ANSI A137.1 - Standard Specifications for Ceramic Tile.
- .6 CAN/CGSB-75.1-M88, Tile, Ceramic.
- .7 TTMAC (Terrazzo, Tile, and Marble Association of Canada) - Manual.

1.4 SUBMITTALS

- .1 Section 01 33 00: Submission procedures.
- .2 Samples: Mount tile and apply grout on two plywood panels, 16" x16" in size illustrating pattern, colour variations, and grout joint size variations.

1.5 MAINTENANCE DATA

- .1 Maintenance Data: Include recommended cleaning methods, cleaning materials, stain removal methods, and polishes and waxes.

1.6 QUALITY ASSURANCE

- .1 Conform to TTMAC Manual.

1.7 QUALIFICATIONS

- .1 Installer: Company specializing in performing the work of this section with minimum five years documented experience.

1.8 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store, protect and handle products to site.

- .2 Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.9 ENVIRONMENTAL REQUIREMENTS

- .1 Maintain 10 degrees C during installation of mortar materials.

1.10 EXTRA MATERIALS

- .1 Provide 4% of each size, colour, and surface finish of tile specified.

PART 2 Products

2.1 TILE MATERIALS

- .1 Porcelain Ceramic Tile (PT-1): Olympia Gatineau Series; 4" x 16"; JH.GT.WHT.0416.MT White Matte

2.2 MORTAR MATERIALS

- .1 Acceptable Manufacturers:
 - .1 Laticrete
 - .2 Mapei
 - .3 Flextile
 - .4 C-Cure
- .2 Mortar Materials: ANSI A118.4 Latex Modified, Portland cement, sand, latex additive and water.

2.3 GROUT MATERIALS

- .1 Acceptable Manufacturers:
 - .1 Laticrete
 - .2 Mapei
 - .3 Flextile
 - .4 C-Cure
- .2 Grout: ANSI A118.6, tile grout, colour as selected by the Contract Administrator.

2.4 MORTAR AND GROUT MIX

- .1 Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions.

2.5 ACCESSORIES

- .1 Tile Edging: Schuler Rondec Stainless Steel #304; located on outside corners, exposed tile edges and where tile is terminated.

PART 3 Execution

3.1 EXAMINATION

- .1 Verify that surfaces are ready to receive work.

3.2 PREPARATION

- .1 Protect surrounding work from damage or disfiguration.
- .2 Vacuum clean surfaces and damp clean.
- .3 Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

3.3 INSTALLATION - THINSET METHOD

- .1 Install adhesive, tile, and grout in accordance with manufacturer's instructions and to TTMAC Manual.
- .2 Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- .3 Place edge strips at exposed tile edges.
- .4 Cut and fit tile tight to penetrations through tile. Form corners and bases neatly. Align floor, base and wall joints.
- .5 Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
- .6 Sound tile after setting. Replace hollow sounding units.
- .7 Allow tile to set for a minimum of 48 hours prior to grouting.
- .8 Grout tile joints.
- .9 Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.
- .10 Form internal wall angles square and external angles with Schulter edging.

3.4 CLEANING

- .1 Clean tile and grout surfaces.

3.5 PROTECTION OF FINISHED WORK

- .1 Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

PART 1 General

1.1 SECTION INCLUDES

- .1 Suspended metal grid ceiling system and perimeter trim.
- .2 Cement Board Panels.

1.2 RELATED SECTIONS

- .1 Section 09 21 16 - Gypsum Board Assemblies.

1.3 REFERENCES

- .1 ASTM C635 - Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- .2 ASTM C636 - Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
- .3 ASTM E1264 - Classification of Acoustical Ceiling Products.

1.4 SUBMITTALS

- .1 Section 01 33 00: Submission procedures.
- .2 Samples: Submit two samples 8" x 8" in size illustrating material and finish of cement panels.
- .3 Samples: Submit two samples each, 12" long, of suspension system main runner, cross runner and perimeter molding,

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for combustibility requirements for materials.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Section 01 61 00: Environmental conditions affecting products on site.
- .2 Maintain uniform temperature of minimum 16 degrees C, and maximum humidity of 40 percent prior to, during, and after acoustic unit installation.
- .3 Store material in work area 48 hours prior to installation.

1.7 PROJECT CONDITIONS

- .1 Sequence work to ensure acoustic ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- .2 Install acoustic units after interior wet work is dry.

1.8 EXTRA MATERIALS

- .1 Provide 2 percent of total cement panel area of extra tile to Contract Administrator.

PART 2 Products

2.1 SUSPENSION SYSTEM MATERIALS

- .1 Non-fire Rated Grid: ASTM C635, intermediate duty; exposed T; components die cut and interlocking.
- .2 Grid Materials: Commercial quality cold rolled steel with galvanized coating.
- .3 Exposed Grid Surface Width: 9/16".
- .4 Accessories: Stabilizer bars, clips, splices, perimeter moldings, required for suspended grid system.
- .5 Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.

2.2 CEMENT BOARD PANEL

- .1 Cementitious glass fiber reinforced backing board, thickness; 1/4", finish; smooth.

2.3 ACCESSORIES

- .1 Touch-up Paint: Type and colour to match panels and grid units.

PART 3 Execution

3.1 EXAMINATION

- .1 Verify that layout of hangers will not interfere with other work.

3.2 INSTALLATION - LAY-IN GRID SUSPENSION SYSTEM

- .1 Install suspension system in accordance with manufacturer's instructions and as supplemented in this section.
- .2 Install system capable of supporting imposed loads to a deflection of 1/360 maximum.
- .3 Locate system on room axis according to reflected plan.
- .4 Install after major above ceiling work is complete. Coordinate the location of hangers with other work.
- .5 Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- .6 Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

- .7 Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability. Support fixture loads by supplementary hangers located within 6" of each corner; or support components independently.
- .8 Do not eccentrically load system, or produce rotation of runners.
- .9 Perimeter Molding:
 - .1 Install edge molding at intersection of ceiling and vertical surfaces.
 - .2 Use longest practical lengths.
 - .3 Miter corners.
 - .4 Provide at junctions with other interruptions.
- .10 Form expansion joints to accommodate plus or minus 1" movement. Maintain visual closure.

3.3 INSTALLATION – CEMENT BOARD PANEL

- .1 Install cement board panels in accordance with manufacturer's instructions.
- .2 Fit cement board panels in place, free from damaged edges or other defects detrimental to appearance and function.
- .3 Lay directional patterned units one way with pattern parallel to longest room axis. Fit border trim neatly against abutting surfaces.
- .4 Install panels after above ceiling work is complete.
- .5 Install cement panels level, in uniform plane, and free from twist, warp, and dents.
- .6 Cutting Cement Board Panels:
 - .1 Cut to fit irregular grid and perimeter edge trim.
 - .2 Double cut and field paint exposed edges of tegular units.
- .7 Where bullnose concrete block corners or round obstructions occur, provide preformed closures to match perimeter molding.

3.4 ERECTION TOLERANCES

- .1 Maximum Variation from Flat and Level Surface: 1/8" in 10'.

END OF SECTION

PART 1 General

1.1 SECTION INCLUDES

- .1 Resilient sheet flooring.
- .2 Resilient base.
- .3 Rubber base.

1.2 REFERENCES

- .1 ASTM E84 - Surface Burning Characteristics of Building Materials.
- .2 CSA A126 - Sheet Flooring Products
- .3 ASTM F1861 - Resilient Wall Base.
- .4 FS RR-T-650 - Treads, Metallic and Non-metallic, Non-skid.
- .5 FS SS-W-40 - Wall Base: Rubber and Vinyl Plastic.

1.3 SUBMITTALS

- .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Samples: Submit two samples, 12" x 12" in size illustrating colour and pattern for each floor material for each colour specified.
- .3 Submit two 12" long samples of base material for each colour specified.

1.4 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for flame/smoke rating requirements.

1.5 ENVIRONMENTAL REQUIREMENTS

- .1 Store materials for three days prior to installation in area of installation to achieve temperature stability.
- .2 Maintain ambient temperature required by adhesive manufacturer three days prior to, during, and 24 hours after installation of materials.

1.6 MAINTENANCE DATA

- .1 Provide manufacturers instructions covering care and maintenance of materials of this section as per Section 01 78 10.
- .2 Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

1.7 EXTRA MATERIALS

- .1 Provide 2% or 50 sq feet of flooring, whichever is greater, and 15feet of base.

PART 2 Products

2.1 MATERIALS - SHEET FLOORING

- .1 Homogeneous Sheet Flooring (RF-1): iQ Granit; Distributed By: Johnsonite.
 - .1 Composed of a 0.080" reinforced wear layer containing 50% or more binder content that is urethane reinforced to eliminate the need for polish or waxes throughout the life cycle of the product.
 - .2 Properties: Available in 6'6" wide 82'7" linear feet per roll; 0.080" thick.
 - .3 Colour: TBD
- .2 Homogeneous Slip Retardant Sheet Flooring (RF-2 All Non-Slip Areas): Granit Safe-T; Distributed By Johnsonite.
 - .1 Features aluminum granules slip retardant particulate suspended evenly throughout the product thickness.
 - .2 Finish:
 - .3 Properties: Available in 6'6" and approximately 76' linear feet per roll; 0.08" thick.
 - .4 Colour: TBD

2.2 THRESHOLD

- .1 Threshold (TH-1): SV-1 to SV-2: Johnsonite SLT-XX-C1 colour TBD

2.3 MATERIALS - BASE

- .1 Base (RuB): ASTM F1861 Rubber; top set coved; Johnsonite 4" high; colour TBD

2.4 ACCESSORIES

- .1 Subfloor Filler: Cementitious type; as recommended by adhesive material manufacturer.
- .2 Primers and Adhesives: Waterproof; low VOC types recommended by flooring manufacturer.
- .3 Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 Execution

3.1 EXAMINATION

- .1 Verify concrete floors are dry to maximum moisture content acceptable to flooring and adhesive manufacturer, and exhibit negative alkalinity, carbonization, or dusting.
- .2 Verify floor and lower wall surfaces are free of substances that may impair adhesion of new adhesive and finish materials.

3.2 PREPARATION

- .1 Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.

- .2 Apply skim coat of cementitious floor patch over any glue residue remaining after existing floor has been removed.
- .3 Prohibit traffic until filler is cured.
- .4 Vacuum clean substrate.
- .5 Apply primer to surfaces.

3.3 INSTALLATION - SHEET FLOORING

- .1 Install in accordance with manufacturer's instructions.
- .2 Spread only enough adhesive to permit installation of materials before initial set.
- .3 Set flooring in place press with heavy roller to attain full adhesion.
- .4 Lay flooring with joints and seams parallel to building lines to produce minimum number of seams. Double cut sheet; provide continuously heat welded seal.
- .5 Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar.
- .6 Turn up flooring to form base where indicated. Back floor and wall junction with cant strip. Taper cant strips at door frames to prevent cant from projecting past door frame.
- .7 Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

3.4 CLEANING

- .1 Section 01 74 00: Cleaning.
- .2 Remove excess adhesive from floor, base, and wall surfaces without damage.
- .3 Clean, seal, and wax floor and base surfaces in accordance with manufacturer's instructions.

3.5 PROTECTION OF FINISHED WORK

- .1 Prohibit traffic on floor finish for 48 hours after installation.

END OF SECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Surface preparation and field application of paints and coatings.

1.2 REFERENCES

- .1 ASTM D16 - Definitions of Terms Relating to Paint, Varnish, Lacquer, and Related Products.
- .2 ASTM D2016 - Test Method for Moisture Content of Wood.
- .3 MPI (The Master Painters Institute) - Architectural Painting Specification Manual

1.3 SUBMITTALS

- .1 Samples: Submit two samples, 8" x 8" in size illustrating selected colours and textures for each colour selected.

1.4 QUALIFICATIONS

- .1 Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum five years documented experience.
- .2 Applicator: Company specializing in performing the work of this section with minimum five years documented experience.
- .3 Acceptable manufacturers, materials, workmanship and all items affecting the work of this section is to be in accordance with The Master Painters Institute (MPI) "Architectural Painting Specification Manual".

1.5 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store, protect and handle products to site.
- .2 Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- .3 Container label to include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, colour designation, and instructions for mixing and reducing.
- .4 Store paint materials at minimum ambient temperature of 7 degrees C and a maximum of 32 degrees C, in ventilated area, and as required by manufacturer's instructions.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- .2 Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

- .3 Provide lighting level of 860 lx measured mid-height at substrate surface.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- .1 Manufacturers: all paint and varathane used shall be listed in the Master Painters Institute approved product List – most recent edition.
- .2 Paint materials for paint systems shall be products of a single manufacturer.

2.2 MATERIALS

- .1 Coatings: Ready mixed, except field catalyzed coatings, capable of being readily and uniformly dispersed to a homogeneous coating; good flow and brushing properties; capable of drying or curing free of streaks or sags.
- .2 Patching Materials: Latex filler.
- .3 Fastener Head Cover Materials: Latex filler.

2.3 FINISHES

- .1 Refer to schedule at end of section for surface finish and colour schedule.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verify that surfaces substrate conditions are ready to receive work as instructed by the product manufacturer.
- .2 Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- .3 Test shop applied primer for compatibility with subsequent cover materials.
- .4 Do not apply finishes unless moisture content of surfaces are below the paint manufacturer's recommended maximums.

3.2 PREPARATION

- .1 Remove electrical plates, hardware, light fixture trim, escutcheons, and fittings prior to preparing surfaces or finishing.
- .2 Correct defects and clean surfaces which affect work of this section. Remove existing coatings that exhibit loose surface defects.
- .3 Gypsum Board Surfaces: Fill minor defects with filler compound. Spot prime defects after repair.
- .4 Concrete and Unit Masonry Surfaces Scheduled to Receive Paint Finish: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow drying. Remove

stains caused by weathering of corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.

- .5 Metal Doors Scheduled for Painting: Seal top and bottom edges with primer.

3.3 APPLICATION

- .1 Apply products in accordance with manufacturer's instructions.
- .2 Do not apply finishes to surfaces that are not dry.
- .3 Apply each coat to uniform finish.
- .4 Apply each coat of paint slightly darker than preceding coat unless otherwise approved.
- .5 Sand wood lightly between coats to achieve required finish.
- .6 Vacuum clean surfaces free of loose particles. Use tack cloth just prior to applying next coat.
- .7 Allow applied coat to dry before next coat is applied.
- .8 Where clear finishes are required, tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.
- .9 Prime concealed surfaces of interior and exterior woodwork with primer paint.

3.4 FINISHING MECHANICAL AND ELECTRICAL EQUIPMENT

- .1 Paint shop primed equipment. Paint shop prefinished items occurring at interior areas.
- .2 Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- .3 Prime and paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports.
- .4 Paint exposed conduit and electrical equipment occurring in finished areas.
- .5 Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.5 CLEANING

- .1 Section 01 74 00: Cleaning.
- .2 Collect waste material which may constitute a fire hazard, place in closed metal containers and remove daily from site.

3.6 COLOUR SCHEDULE

- .1 Allow for six (6) colours.

3.7 SCHEDULE - INTERIOR SURFACES

- .1 P1 Wood - Painted:
 - .1 One coat of latex prime sealer.
 - .2 Two coats of latex acrylic enamel, semi-gloss.
- .2 P2 Concrete, Concrete Block:
 - .1 One coat of block filler.
 - .2 One coat of primer sealer latex. .
 - .3 Two coats of latex acrylic, semi-gloss.
- .3 P3 Steel - Primed:
 - .1 Touch-up with primer.
 - .2 Two coats of latex acrylic semi-gloss.
- .4 P4 Gypsum Board:
 - .1 One coat of primer sealer.
 - .2 Two coats of latex acrylic enamel, semi-gloss.

END OF SECTION