

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Suspension System Framing and Furring for Gypsum Board Assemblies.
- .2 Wire hangers, fasteners, main runners & cross tees.

1.2 RELATED SECTIONS

- .1 Section 09250 - Gypsum Board.
- .2 Division 15 - Mechanical devices in ceiling system.
- .3 Division 16 - Electrical fixtures in ceiling system.

1.3 REFERENCES

- .1 ASTM C 635 - Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- .2 ASTM C 636 - Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
- .3 ASTM C 645 - Standard Specification for Nonstructural Steel Framing Members.
- .4 ASTM C 754 - Installation of Steel Framing Members to Receive Screw-Attached Gypsum Board.
- .5 ASTM C 1002 - Standard Specification for Steel Drill Screws for the Application of Gypsum Board or Metal Plaster Bases.

1.4 SUBMITTALS

- .1 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 fire rated assembly and combustibility requirements for materials.

1.6 PROJECT CONDITIONS

- .1 Coordinate drywall furring work with installers of related work including, but not limited to, building insulation, gypsum board, light fixtures, mechanical systems, and electrical systems.
- .2 All Work above the ceiling line should be completed prior to installing the drywall sheet goods. There should be no materials resting against or wrapped around the suspension system, hanger wires or ties.

PART 2 PRODUCTS

2.1 SUSPENSION SYSTEM MANUFACTURERS

- .1 Armstrong World Industries, Inc. or approved equal in accordance with B6.

2.2 SUSPENSION SYSTEMS

- .1 Main Beam: Shall be double-web construction (minimum 0.0179" prior to protective coating), hot dipped galvanized (per ASTM A653).
- .2 Primary Cross Tees: Shall be double-web steel construction (minimum 0.0179" prior to protective coating), hot dipped galvanized (minimum G40 or G90 per ASTM A653), web height 1-1/2" with rectangular rectangular bulb and pre-finished 1-1/2" knurled flange.
- .3 Secondary Framing Cross Tees: Shall be double-web steel construction (minimum 0.0179" prior to protective coating), hot dipped galvanized (minimum G40 or G90 per ASTM A653), web height 1-1/2" with rectangular rectangular bulb and pre-finished 1-1/2" knurled flange.
- .4 Screws: Bugle head screws in accordance with thickness of material used.

PART 3 EXECUTION

3.1 EXAMINATION

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

3.2 INSTALLATION – GENERAL

- .1 Install suspension system and panels in accordance with the manufacturer's instructions, in compliance with ASTM installation standard, and with applicable codes as required by the authorities having jurisdiction.

- .2 To secure to metal clips, concrete inserts, steel bar joist or steel deck, use power actuated fastener, or insert. Coordinate placement for hanger wire spaced as required for expected ceiling loads and layout.
- .3 Install hanger wire as required with necessary on center spacing to support expected ceiling load requirements, following local practices, codes and regulations. Provide additional wires at light fixtures, grilles, and access doors where necessary. A pigtail knot shall be used with three tight wraps at top and bottom fastening locations.
- .4 Add additional wire as needed when using compatible clips and accessories. Control Joints: Roll formed zinc alloy, aluminum, or plastic as required for expansion and contraction as shown on drawings.
- .5 Expansion Joints: Roll formed zinc alloy, aluminum, or plastic as required for expansion and contraction as shown on drawings.
- .6 Main beams shall be suspended from the overhead construction with hanger wire, spaced as required for expected ceiling loads, along the length of the main beams.
- .7 Install cross tees at on center spacing as specified by the drywall manufacturer.
Typical drywall cross tee spacing:
 - .1 16 inches on center with 1/2 inch gypsum board
 - .2 24 inches on center with 5/8 inch gypsum board
- .8 Other items such as wood, sheet metal, or plastic panels should be screwed to comply with deflection limit equivalent to that of the ceiling installation.
- .9 Use channel molding or angle molding to interface with Drywall Grid System to provide perimeter attachment or to obtain drop soffits, verticals, slopes, etc.
- .10 To suspend a second ceiling beneath a new or existing drywall ceiling, without breaching the integrity of the upper ceiling, use the Drywall Clip. To form a transition from a drywall ceiling to an acoustical ceiling, use the Drywall Transition Clips spaced as required for expected loads.
- .11 For light fixtures (Type G, Type F) use secondary framing cross tees as required to frame opening.
- .12 Single cross tees in a route hole to be secured by 7/16 inch framing screw or alternative methods.

3.3 INSTALLATION – RADIUS APPLICATIONS

- .1 Determine the bow in a main runner.

- .2 Establish a jig or pattern on a flat surface; mark locations to cut main beam; and use four pan head screws to fasten a Radius Clip (RC2) flat to the web between the bulb and the flange, per the manufacturer's instructions.
- .3 Install main beams with on center spacing and wire spacing, as needed, to support expected ceiling load.
- .4 Additional bracing may be required by code.
- .5 Install cross tees at on center spacing as specified by the manufacturer.

END OF SECTION

Part 1 General

1.1 RELATED WORK

- .1 Rough carpentry: Section 06114
- .2 Sheet Metal Flashing,
 Trim and Roof Panels: Section 07620
- .3 Joint Sealers: Section 07900

1.2 SAMPLES

- .1 One month prior to start of work provide for Contract Administrator's approval, duplicate 16"x16" samples in accordance with Section 01330 Submittal Procedures of proposed stucco in colours and textures requested by Contract Administrator.

Part 2 Products

2.1 ACCEPTABLE MANUFACTURER

- .1 Dryvit Outsulation MD System – All components of the Outsulation MD system shall be supplied or obtained from Dryvit Systems Canada or its authorized distributors. Substitutions or additions of materials other than specified will void the warranty.

2.2 MATERIALS

- .1 Portland Cement: Shall be Type 10, meeting ASTM C 150, white or gray in colour, fresh and free of lumps.
- .2 Water: Shall be clean and free of foreign matter.

Part 3 Execution

3.1 EXAMINATION OF SURFACES

- .1 Before commencing work, examine surfaces and conditions affecting the proper installation of this work
- .2 Do not commence with this work until the work which is to receive it and site conditions are satisfactory

3.2 STUCCO REINFORCING

- .1 Install galvanized metal thermal stud framing where required to provide solid support for stucco reinforcing.
- .2 Install reinforcing with long dimension horizontal, lapping joints at not less than 25 mm, lapping upper courses over lower courses, and lapping ends.
- .3 At external corners, wrap reinforcing around corner and reinforcing with external corner reinforcement.
- .4 Provide a horizontal 'V' reveal 3/4" wide, 1/2" deep as indicated on drawings. Provide every 12'-0" O.C. (min.) vertical joints with same 'V' reveal.
- .5 Stucco in two colours as indicated, separated by 'V' reveal.

3.3 CONTROL JOINTS

- .1 Install control joints on framing at locations as shown on drawings and at junctions of dissimilar materials. Where locations not indicated on drawings, request Contract Administrator's direction.
- .2 Attach control joints to provide secure, true grounds for stucco

3.4 ACCESSORIES

- .1 Erect accessories straight, plumb, level, board and in the proper plane. Use full length pieces to minimize joints. Fit lengths together without gaps, accurately align and boardly secure each side of joints. Mitre and fit corners accurately, without rough edges.
- .2 Provide corner beads at external angles. Secure into position at maximum 8" o.c.

3.5 STUCCO

- .1 Scratch Coat:
 - .1 Use sufficient material and force to form good key.
 - .2 Bring out to grounds, straighten to true surface, float, compact and leave sufficiently rough to ensure adequate bond for finish coat. Moist cure for 48 hours
- .2 Finish Coat/Dash Coat:
 - .1 Apply not sooner than 48 hours after installation of scratch coat, texture to match existing.
 - .2 Colours of stucco to be:

Dryvit Acrylic Stucco 1: Pheasant's Feather (or approved equal in accordance with B6)

Dryvit Acrylic Stucco 2: Walk on the Beach (or approved equal in accordance with B6)

.3 Provide sample for approval to architect prior to start of work.

.3 Tolerance: true and even, level to within 1/8" in 5'-0" finished surface free of tool marks and other blemishes.

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3.6 CLEAN UP

.1 Upon completion of this work, thoroughly clean and remove surplus stucco materials.

.2 Inspect adjacent surfaces and remove all traces of stucco.

END OF SECTION

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 06114 - Rough Carpentry: Wood Blocking and Curbing.
- .2 Section 07212 - Insulation, Air & Vapour Barriers.
- .3 Section 08100 - Steel Doors and Frames.
- .4 Section 09900 - Paint and Coatings
- .5 Section 07480 - Firestopping.

1.2 REFERENCES

- .1 American Society for Testing and Materials International, (ASTM)
 - .1 ASTM C36/C36M-01, Specification for Gypsum Wallboard.
 - .2 ASTM C475-01, Specification for Joint Compound and Joint Tape for Finishing Gypsum Board.
 - .3 ASTM C514-01, Specification for Nails for the Application of Gypsum Board.
 - .4 ASTM C557-99, Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing.
 - .5 ASTM C840-01, Specification for Application and Finishing of Gypsum Board.
 - .6 ASTM C954-00, Specification for Steel Drill Screws for the Application of Gypsum Panel Products.
 - .7 ASTM C1047-99, Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base.
- .2 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-51.34-M86(R1988), Vapour Barrier, Polyethylene Sheet for Use in Building Construction.
 - .2 CAN/CGSB-71.25-M88, Adhesive, for Bonding Drywall to Wood Framing and Metal Studs.
- .3 Underwriters' Laboratories of Canada (ULC)
 - .1 CAN/ULC-S102-1988(R2000), Surface Burning Characteristics of Building Materials and Assemblies.

1.3 DELIVERY, STORAGE AND HANDLING

- .1 Deliver materials in original packages, containers or bundles bearing manufacturers brand name and identification.
- .2 Store materials indoors, level, and under cover. Keep dry. Protect from weather, other elements and damage from construction operations and other causes.
- .3 Handle gypsum boards to prevent damage to edges, ends or surfaces. Protect metal accessories and trim from being bent or damaged.

1.4 SITE ENVIRONMENTAL REQUIREMENTS

- .1 Maintain temperature minimum 10 degrees C, maximum 21 degrees C for 48 hours prior to and during application of gypsum boards and joint treatment, and for at least 48 hours after completion of joint treatment.
- .2 Apply board and joint treatment to dry, frost free surfaces.
Ventilation: Ventilate building spaces as required to remove excess moisture that would prevent drying of joint treatment material immediately after its application.

1.5 SAMPLES

- .1 Submit samples in accordance with Section 01330 - Submittal Procedures.
- .2 Submit duplicate 12" long samples of corner and casing beads insulating strip.

Part 2 Products

2.1 MATERIALS

- .1 Standard board: to ASTM C36/C36M regular, and Type X, 4'-0" wide x maximum practical length, ends square cut, edges beveled, thickness as indicated.
- .2 Abuse resistant board: to ASTM, C-36 regular, and Type X, 4'-0" wide x maximum practical length, ends square cut, edges beveled, thickness as indicated.
- .3 Moisture resistant board: to ASTM, C-36 regular, 4'-0" wide x maximum practical length, ends square cut, edges beveled, thickness as indicated.
- .4 Drywall furring channels: 0.5 mm core thickness galvanized steel channels for screw attachment of gypsum board.
- .5 Resilient clips drywall furring: 0.5 mm base steel thickness galvanized steel for resilient attachment of gypsum board.
- .6 Nails: to ASTM C514.
- .7 Steel drill screws: to ASTM C1002.

- .8 Stud adhesive: to ASTM C557.
- .9 Laminating compound: as recommended by manufacturer, asbestos-free.
- .10 Casing beads, corner beads, control joints and edge trim: to ASTM C1047, ABS, PVC, zinc-coated, aluminum coated 0.5 mm base thickness, perforated flanges, one piece length per location.
- .11 Sealants: in accordance with Section 07900 - Joint Sealers.
- .12 Acoustic sealant: in accordance with Section 07900 - Joint Sealers.
- .13 Polyethylene: to CAN/CGSB-51.34, Type 2.
- .14 Insulating strip: rubberized, moisture resistant, 3 mm thick cork or closed cell neoprene strip, 1/2" wide, with self sticking permanent adhesive on one face, lengths as required.
- .15 Joint compound: to ASTM C475, asbestos-free.

Part 3 Execution

3.1 ERECTION

- .1 Do application and finishing of gypsum board in accordance with ASTM C840 except where specified otherwise.
- .2 Do application of gypsum sheathing in accordance with ASTM C1280.
- .3 Erect hangers and runner channels for suspended gypsum board ceilings in accordance with ASTM C840 except where specified otherwise.
- .4 Support light fixtures by providing additional ceiling suspension hangers within 6" of each corner and at maximum 24" around perimeter of fixture.
- .5 Install work level to tolerance of 1:1200.
- .6 Frame with furring channels, perimeter of openings for access panels, light fixtures, diffusers, grilles.
- .7 Furr for gypsum board faced vertical bulkheads within and at termination of ceilings.
- .8 Install wall furring for gypsum board wall finishes in accordance with ASTM C840, except where specified otherwise.
- .9 Furr openings and around built-in equipment, cabinets, access panels on four sides. Extend furring into reveals. Check clearances with equipment suppliers.

- .10 Furr duct shafts, beams, columns, pipes and exposed services where indicated.

3.2 APPLICATION

- .1 Do not apply gypsum board until bucks, anchors, blocking, sound attenuation, electrical and mechanical work are approved.
- .2 Apply single, double layer gypsum board to wood furring or framing using screw fasteners and laminating adhesive. Maximum spacing of screws 12" on centre.
 - .1 Single-Layer Application:
 - .1 Apply gypsum board on ceilings prior to application of walls in accordance with ASTM C840.
 - .2 Apply gypsum board vertically or horizontally, providing sheet lengths that will minimize end joints.
 - .2 Double-Layer Application:
 - .1 Install gypsum board for base layer and exposed gypsum board for face layer.
 - .2 Apply base layers at right angles to supports unless otherwise indicated.
 - .3 Apply base layer on walls and face layers vertically with joints of base layer over supports and face layer joints offset at least 10" with base layer joints.
 - .3 Comply with gypsum board manufacturer's recommendations.
 - .4 Brace or fasten gypsum board until fastening adhesive has set.
 - .5 Mechanically fasten gypsum board at top and bottom of each sheet.
- .3 Apply 12" diameter bead of acoustic sealant continuously around periphery of each face of partitioning to seal gypsum board/structure junction where partitions abut fixed building components. Seal full perimeter of cut-outs around electrical boxes, ducts, in partitions where perimeter sealed with acoustic sealant.
- .4 Apply water resistant tile adhesive to all cut or exposed edges, utility holes and joints, including those at wall intersections of moisture resistant board only.
- .5 Apply board using laminating adhesive on base layer of gypsum board.
- .6 Install ceiling boards in direction that will minimize number of end-butt joints. Stagger end joints at least 10".

- .7 Install gypsum board on walls vertically to avoid end-butt joints. At stairwells and similar high walls, install boards horizontally with end joints staggered over studs, except where local codes or fire-rated assemblies require vertical application.
- .8 Install gypsum board with face side out.
- .9 Do not install damaged or damp boards.
- .10 Locate edge or end joints over supports. Stagger vertical joints over different studs on opposite sides of wall.

3.3 INSTALLATION

- .1 Erect accessories straight, plumb or level, rigid and at proper plane. Use full length pieces where practical. Make joints tight, accurately aligned and rigidly secured. Mitre and fit corners accurately, free from rough edges. Secure at 6" on centre using contact adhesive for full length.
- .2 Install casing beads around perimeter of suspended ceilings.
- .3 Install casing beads where gypsum board butts against surfaces having no trim concealing junction and where indicated. Seal joints with sealant.
- .4 Install insulating strips continuously at edges of gypsum board and casing beads abutting metal window and exterior door frames, to provide thermal break.
- .5 Splice corners and intersections together and secure to each member with 3 screws.
- .6 Install access doors to electrical and mechanical fixtures specified in respective sections.
 - .1 Rigidly secure frames to furring or framing systems.
- .7 Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel faces.
- .8 Gypsum Board Finish: finish gypsum board walls and ceilings to following levels in accordance with Association of the Wall and Ceiling Industries (AWCI) International Recommended Specification on Levels of Gypsum Board Finish:
 - .1 Levels of finish:
 - .1 Level 1: Embed tape for joints and interior angles in joint compound. Surfaces to be free of excess joint compound; tool marks and ridges are acceptable.
 - .2 Level 4: Embed tape for joints and interior angles in joint compound and apply three separate coats of joint compound over

joints, angles, fastener heads and accessories; surfaces smooth and free of tool marks and ridges.

- .9 Finish corner beads, control joints and trim as required with two coats of joint compound and one coat of taping compound, feathered out onto panel faces.
- .10 Fill screw head depressions with joint and taping compounds to bring flush with adjacent surface of gypsum board so as to be invisible after surface finish is completed.
- .11 Sand lightly to remove burred edges and other imperfections. Avoid sanding adjacent surface of board.
- .12 Completed installation to be smooth, level or plumb, free from waves and other defects and ready for surface finish.

3.4 SCHEDULES

- .1 Construct fire rated assemblies where indicated.

END OF SECTION

PART I GENERAL

1.1 SECTION INCLUDES

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

1.2 RELATED SECTIONS

- .1 Section 09910 - Room Finish Schedule
- .2 Section 05500 - Metal Fabrications
- .3 Section 07620 - Sheet Metal Flashing, Trim and Standing Seam Metal Roof Panels

1.3 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.

1.4 SUBMITTALS

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

1.5 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".

1.6 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- .2 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.

- .3 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.

1.7 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.

1.8 EXTRA MATERIALS

- .1 Refer to Section 01330: Submission procedures.
- .2 Provide 4 L of each colour, type, and surface texture to Contract Administrator.
- .3 Label each container with colour, type, texture, room locations, in addition to the manufacturer's label.

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 Accessory Materials: Linseed oil, shellac, turpentine, paint thinners and other materials not specifically indicated but required to achieve the finishes specified, of commercial quality.
- .3 Patching Materials: Latex filler.
- .4 Fastener Head Cover Materials: Latex filler.

2.3 FINISHES

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

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Section 01330: Verify site conditions.
- .2 Verify that surfaces and substrate conditions are ready to receive work as instructed by the product manufacturer.
- .3 Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application to Contract Administrator.
- .4 Test shop applied primer for compatibility with subsequent cover materials.
- .5 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 Impervious Surfaces: Remove mildew by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- .4 Insulated Coverings: Remove dirt, grease, and oil from canvas and cotton.
- .5 Concrete Floors: Remove contamination, acid etch, and rinse floors with clear water. Verify required acid-alkali balance is achieved. Allow to dry.
- .6 Copper Surfaces Scheduled for a Paint Finish: Remove contamination by steam, high pressure water, or solvent washing. Apply vinyl etch primer immediately following cleaning.
- .7 Gypsum Board Surfaces: Fill minor defects with filler compound. Spot prime defects after repair.
- .8 Galvanized Surfaces: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.
- .9 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 to dry.

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

- .10 Uncoated Steel and Iron Surfaces: Remove grease, mill scale, weld splatter, dirt, and rust. Where heavy coatings of scale are evident, remove by hand, power tool, wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Spot prime paint after repairs.
- .11 Shop Primed Steel Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces.
- .12 Interior Wood Items Scheduled to Receive Paint Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats.
- .13 Interior Wood Items Scheduled to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats.

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 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.

3.4 FINISHING MECHANICAL AND ELECTRICAL EQUIPMENT

- .1 Refer to Division 15 and Division 16 for schedule of colour coding and identification banding of equipment, duct work, piping, and conduit.
- .2 Paint shop primed equipment. Paint shop pre-finished items occurring at interior areas when noted.

- .3 Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- .4 Prime and paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, and except where items are pre-finished.
- .5 Paint interior surfaces of air ducts, and convector and baseboard heating cabinets that are visible through grilles and louvers with one coat of flat black paint, to visible surfaces. Paint dampers exposed behind louvers, grilles, and convector and baseboard cabinets to match face panels.
- .6 Paint exposed conduit and electrical equipment occurring in finished areas.
- .7 Paint both sides and edges of plywood backboards for electrical and telephone equipment before installing equipment.
- .8 Colour code equipment, piping, conduit, and exposed duct work in accordance with colour schedule.
- .9 Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.5 CLEANING

- .1 Section 01330: Submittal procedures.
- .2 Collect waste material which may constitute a fire hazard, place in closed metal containers and remove daily from site.

3.6 SCHEDULE - EXTERIOR SURFACES

- .1 Steel - Unprimed:
 - .1 One coat of alkyd primer.
 - .2 Two coats of alkyd enamel, semi-gloss.
- .2 Steel - Shop Primed:
 - .1 Touch-up with zinc chromate.
 - .2 Two coats of alkyd enamel, semi-gloss.
- .3 Steel - Galvanized:
 - .1 One coat galvanize primer.
 - .2 Two coats of alkyd enamel, gloss.

- .4 Colour to match existing metalwork. Obtain approval of matching colour from Contract Administrator before proceeding.
- .5 Location: Steel guard and handrails, Exterior exhibit structure, Steel Mesh Screen, Metal Access Ladder.
- .6 Prefinished Metal Trim Colour to be:
Prefinished Metal Trim 1: VicWest – 6070 Gold (or approved equal in accordance with B6)
Prefinished Metal Trim 2: VicWest – 6087 Bambo Ivory (or approved equal in accordance with B6)
- .7 Prefinished Metal Eaves Troughs, Rain Water Leaders, and Standing Seam Metal Roof Panels to be: VicWest – 6087 Bamboo Ivory (or approved equal in accordance with B6)

3.7 SCHEDULE - INTERIOR SURFACES

- .1 All interior paint to be one coat primer and two finish coats.
- .2 Refer to finish schedule for locations of the following paint finishes.
- .3 PC1: Para Paints; #P1793-4 Queen Ann's Lace; Latex Eggshell on GWB walls.
- .4 PC2: Para Paints; #400 Natural White; Latex Eggshell on GWB walls.
- .5 PC3: Para paints; #P2625-4 Beech; Latex Eggshell on GWB walls.
- .6 PC4: Para Paints; #P809-1 Imperial Yellow; Latex Eggshell on GWB ceiling.
- .7 PC5: Para Paints; #P811-2 Morgan: Latex Eggshell on GWB ceiling.
- .8 PC6: Para paints; #P2211-5

END OF SECTION

ROOM FINISH SCHEDULE ASSINIBOINE PARK ZOO ASIATIC LION PAVILLION																					
ROOM #	LOCATION	FLOOR			WALL												CEILING				REMARKS
					NORTH			EAST			SOUTH			WEST			MAT	COL	FIN	HEIGHT	
	MAIN FLOOR PLAN	MAT	BASE	COL	MAT	COL	FIN	MAT	COL	FIN	MAT	COL	FIN	MAT	COL	FIN	MAT	COL	FIN	HEIGHT	
101	VESTIBULE	CONC	EWB	P2	GWB	P2	PTD	GWB	P2	PTD	GWB	P2	PTD	GWB	P2	PTD	GWB	P2	PTD	VARIABLE	
102	NAC	CONC	EWB	F1	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	VARIABLE	
103	PAVILION	CONC	EWB/METAL	P2	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	GWB	K3, P5	PTD	VARIABLE	CURVED SUSPENDED CEILING PTD P5 CEILING ABOVE AND DUCTWORK PTD P5
104	STORAGE	CONC	EWB	F1	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	GWB	F1	PTD	VARIABLE	
105	VESTIBULE	CONC	EWB	P2	GWB	P2	PTD	GWB	P2	PTD	GWB	P2	PTD	GWB	P2	PTD	GWB	P2	PTD	VARIABLE	
106	INDOOR EXHIB	MET															MTL	P7	PTD	VARIABLE	METAL PRIMER + REFLECTIVE MARINE PAINT

COLOR AND FINISH SCHEDULE											
PAINT: TO MATCH PARA PAINTS				PRIMER: BENLAMB MOORE				PREPARED METAL: VICKRETT			
P1	P1793-4	GREEN ANTS LACE	P1	P2211-2	GRAPHITE SEMI-GLOSS	WOODCRAFT SUPER SPEC ALLOY METAL PRIMER EM			M1	VW-307	BAMBOO INDRY
P2	P3625-4	SEED	WALL BASE			SILACCO: WINBLOC SANDPAPERABLE PASTEL BASE MATCH PARA PAINTS			M2	VW-307	GOLD
P3	P809-1	IMPERIAL YELLOW	F1	EWB	JOHNSONITE 4" 2I-PLASTUM	S1	P221-1	PHEASANT'S PLASH	ALL CONCRETE FLOORS GRIND AND POLISH		
P4	P611-2	MORGAN	F2	WELB	0.125" CLEAR ANODIZED ALUMINUM	S2	P224-1	WALK ON THE BEACH			
P5	P2211-2	GRAPHITE SATIN				S3	TERRAZZO	EVEREST			

END OF SECTION