PROJECT MANUAL

MOBIS
IP
AUDIO SHOP

Montgomery, Alabama

PROJECT NO. 1104

PROJECT DATA

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JOB NO.
1104

DATE
17 FEB 2011

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PART 1 GENERAL REQUIREMENTS

NOT INCLUDED

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SECTION 07900 - SEALANTS

PART 1.00 - GENERAL

1.01 Quality Assurance:

For actual caulking operations (installation of sealants and fillers) use only thoroughly trained and experienced mechanical who are completely familiar with the materials selected and the manufacturers recommended methods of installation and the requirements of this work.

1.02 Definitions:

A. Sealant:

A weatherproof elastomer used in filling and sealing joints, having properties of adhesion, cohesion, extensibility under tension, compressibility and recovery.

B. Caulk:

Term used to denote the process of filling and sealing the joints, without regard to type of material.

1.03 Submittals:

A. Manufacturer's Data:

1. Before any products are delivered to the project site, submit to the Architect for review, manufacturer's detailed descriptive and specification data for each type of sealant and joint filler described hereinafter.

2. Accompanying the data submittal, furnish manufacturer's installation instructions.

B. Samples:

Accompanying the data submittal, submit samples of each type and color of sealant required and samples of the joint filler.

1.04 Product Handling:

A. Protection:

Protect the products of this section from damage during delivery, storage and after installation.

B. Replacements:

In the event of damage, immediately make all repairs and replacements as directed by the Architect.

1.05 Job Conditions:

Do not caulk if the ambient temperature is below 32 degrees Fahrenheit.

PART 2.00 - PRODUCTS

2.01 Materials:

A. Sealants:

1. Type 1:

Design is based on "999 Building Sealant" as manufactured by Dow Corning Corporation, Midland, MI. Color to match metal finish.

2. Type 2:

Sealant type 2 shall be an oleo-resinous compound, gun grade, non-staining, non-shrinking, and non-sagging plastic compound meeting or exceeding Federal Specification TT-C-598b.

3. Type 3:

Design is based on "795 Building Sealant" as manufactured by Dow Corning Corporation, Midland, MI. Colors as selected by the Architect from manufacturer's standard colors.

4. Type 4:

Design is based on "786 Building Sealant" as manufactured by Dow Corning Corporation, Midland, MI. Colors as selected by the Architect from manufacturer's standard colors.

B. Primer:

All primer shall be as recommended by the manufacturer of the sealant being installed for the particular condition.

C. Joint Filler:

Unless otherwise shown or recommended by the manufacturer of the sealant being installed, joint filler shall be polyethylene foam rod, approved by the manufacturer of the sealant material, sized to require 20% to 50% compression upon insertion.

D. Application Equipment:

Sealant application equipment shall be only such equipment as is specifically recommended by the manufacturer of the sealant being installed.

PART 3.00 - EXECUTION:

3.01 Inspection:

The Contractor shall examine the areas and conditions under which the products of this section are to be installed; notify the Architect in writing of conditions detrimental to the installation of the products of this section and the completion of the work; do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 Installation:

A. Preliminary Requirements:

1. Surface Preparation:
    a. Surfaces to be sealed shall be sound, clean, dry, frost free and free of contamination by laitance, form release agents, concrete curing compounds or other surface treatments.

    b. Masonry and concrete surfaces shall be wire brushed.

    c. Metal, glass and wood surfaces shall be wiped with methyl ethyl ketone.

2. Masking:

Surfaces adjacent to joints shall be masked to obtain a neat sealant line.

3. Joint Filler:

Joints exceeding the maximum allowable depth as hereinafter described shall be filled to within the allowable depth with the specified joint filler.

4. Primer:

Apply primer to surfaces to be caulked as recommended by the manufacturer of the sealant being installed.

B. Locations:
1. As the work progresses caulk and seal all joints subject to movement or subject to passage of air or moisture.

2. Type 1 Sealant: Install all exterior locations where sealant or caulking is called for on the drawings.

3. Type 2 Sealant: Set all metal thresholds in type 2 sealant unless specifically noted otherwise on the drawings.

4. Type 3 Sealant: Install in all interior locations where sealant or caulking is called for on the drawings except where type 4 sealant is called for.

5. Type 4 Sealant: Install in all interior locations where type 4 sealant is called for on the drawings and where sealant is called for in the ceramic tile work described in Section 09310 of this project manual and where sealant is required around plumbing fixtures.

C. Application of Sealant:
1. Install sealant under pressure to fill joint, taking care to produce beads of proper width and depth; tool as recommended by the manufacturer; immediately remove all surplus sealant.

2. Width and depth of sealed joint shall not exceed the proportions of 1/2" width x 1/2" diameter and 3/4" width x 1/4" diameter, except that metal thresholds shall be set in full bed of specified sealant.

3.03 Field Quality Control:

A. Protection:

To insure proper curing, sealing joints shall not be touched, washed or otherwise disturbed for 48 hours after installation unless specifically recommended otherwise by the sealant manufacturer.

B. Inspection:

Materials and workmanship at all times will be subject to inspection by the Architect or his representative.

END OF SECTION

SECTION 09510 - ACOUSTICAL TILE CEILINGS

PART 1.00 - GENERAL

1.01 Quality Assurance:

The installer of the products of this section shall have been successfully engaged in the business of erecting acoustical tile ceilings for a period of not less than five years immediately prior to performing the work of this section.

1.02 Definitions: Omitted

1.03 Submittals:

A. Proof of Compliance:

Prior to commencing work of this section, submit in triplicate to the Architect:

1. a certified statement of qualifications and
2. a certified statement to the effect that all products proposed to be used meet the requirements of this section.

B. Shop Drawings:

Prior to commencing installation of the products of this section, submit shop drawings to the Architect for review, fully dimensioned and superimposed over duct work; show locations of all mechanical and electrical items located in the ceiling tile.

C. Samples:

Accompanying the shop drawing submittal, furnish samples of each type of ceiling tile and suspension system described hereinafter; ceiling tile samples shall be not less than 12" x 12".

D. Manufacturer's Data:

Accompanying the shop drawing submittal, furnish manufacturer's detailed material and fabrication specifications and installation instructions for each type of acoustical tile for each suspension system described hereinafter.

1.04 Product Handling:

A. Protection: Protect the products of this section from damage during delivery, storage and after installation.

B. Replacements: In the event of damage, immediately make all repairs and replacements as directed by the Architect.

1.05 Job Conditions:

A. Environmental Requirements:

For a period of ten days prior to and throughout the installation of acoustical tile and until date of Architect's Final Certificate, maintain a temperature of not less than 50 degrees Fahrenheit and a relative humidity of not more than 60 percent.

B. Glazing:

All glazing of exterior openings shall be complete and exterior doors shall be in place before beginning installation of any work under this section.

PART 2.00 - PRODUCTS

2.01 Materials:

A. Acoustical Tiles:

1. Type 1: **(Not Used)**

Acoustical ceiling tile shall be 24" x 24" x 5/8" thick, reveal edge for installation in Type 1 suspension system described hereinafter; tile shall be non-directional fissured, manufactured to meet requirements of Federal Specification SS-S-118a, have an STC rating of 35 to 39, with min. density of 16 lbs. per cubic foot, with light reflectance of "A" and have a flame spread of 0-25 (ASTM E84).

Design based on "Dune" fine texturized by Armstrong World Industries, Inc.; finish factory-applied vinyl latex white paint.

Note: All light fixtures are to be directly supported on all 4 (four) corners with No. 9 gauge wire attached to structure above.

2. Type 2: **(Locate in all spaces)**

Design is based on vinyl covered, waterproof gypsm board panels as manufactured by United States Gypsum, 24" x 24" x ½". Install in all toilet rooms and janitor's rooms even if not called for in the drawings.

B. Suspension Systems:

1. Type 1:

Design is based on 15/16" prefinished aluminum tee, size 24" x 24" system as manufactured by Donn Corporation, Westlake, OH, in manufacturer's standard white finish.

2. Type 2: See Acoustical Tile Type 2 for grid requirements.

C. Tile Markers:

1. Rosettes: Rosettes shall be 2" diameter x 1/16" thick aluminum with white baked enamel finish. Locate on ceiling tiles at all valves above ceiling.

2. Adhesive: Coordinate locations with mechanical. Adhesive to be an epoxy compatible with the ceiling tile with which used.

2.02 Fabrication: Omitted

PART 3.00 - EXECUTION

3.01 Inspection:

Contractor shall examine the areas and conditions under which the products of this section are to be installed; notify the Architect in writing of conditions detrimental to the installation of the products of this section and the completion of the work; do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 Installation:

A. Layout:

1. Acoustical tile ceilings shall be centered within areas, producing no tile less than 1/2 size, unless specifically shown otherwise on the drawings.

2. Lines shall be established by the Contractor and maintained by him or her throughout the work and all trades shall work to these lines.

B. Erection of Suspension Systems:

1. Type 1: Erect in accordance with the manufacturer's published literature producing:
   a. a 24" x 24" grid for installation of Type 1 acoustical tile and
   b. a 24" x 24" grid for installation of Type 2 acoustical tile.

2. Type 2: Erect in accordance with the manufacturer's published literature producing a 24" x 24" grid for installation of Type 3 acoustical tile.

C. Installation of Acoustical Tiles:

Acoustical tiles shall be installed in their respective suspension systems in accordance with the tile manufacturer's installation procedures and recommendations.

3.03 Field Quality Control:

A. Inspection:

Materials and workmanship at all times will be subject to inspection by the Architect or his representative.

B. Cleaning:

Upon completion of work, clean all spots and leave ceiling tile and trim in a clean and spotless condition.

END OF SECTION

SECTION 09660 - RESILIENT TILE FLOORING

Anti-Static – Use Armstrong SDT (Static Dissipative Tile) System, with integral static dissipative element, dissipative adhesive, copper grounding strips, dissipative polish. Contractor verify static dissipative requirement with owner.

PART 1.00 - GENERAL

1.01 Quality Assurance:

A. Manufacturers: Resilient tiles, divider strips, edging strips and adhesives shall be the products of the same manufacturer.

B. Qualifications of Installer: The installer of the products of this section shall have been successfully engaged in the business of installing resilient tile floor covering for a period of not less than five years immediately prior to performing the work of this section.

1.02 Definitions: Omitted

1.03 Submittals:

A. Proof of Compliance: Prior to commencing work of this section, submit in triplicate to the Architect:

1. a certified statement of qualifications and
2. a certified statement to the effect that all products proposed to be used meets the requirements of this section.

B. Manufacturer's Data:

1. Before any products are delivered to the project site, submit to the Architect for review, the manufacturer's detailed descriptive and specification data for the products described hereinafter.

2. Accompanying the data submittal, furnish the manufacturer's installation instructions.

C. Samples: After review of manufacturer's data, but before any products are delivered to the project site, submit to the Architect for review, full sized samples of the resilient tile for each type and color required; the samples shall be representative of the color range and pattern variation of the tile.

D. Maintenance Guides: Furnish manufacturer's printed maintenance instructions for the resilient flooring.

E. Extra Stock: After completion of the work, deliver to the project site not less than 2 percent replacement material for each 2,000 square feet (or fraction thereof) of each tile color and pattern installed; extra stock shall be from same manufactured lot as the material installed, boxed and labeled.

1.04 Product Handling:

A. Protection: Protect the products of this section from damage during delivery, storage and after installation.

B. Replacements: In the event of damage, immediately make all repairs and replacements as directed by the Architect.

1.05 Job Conditions:

A. Temperature: For a period of at least 24 hours before commencing installation, during installation and for at least 48 hours after installation is complete, maintain a temperature of not less than 70 degrees Fahrenheit.

B. Ventilation: Where natural ventilation is questionable, provide ventilation by use of sparkproof fans.

C. Lighting: Maintain lighting of not less than three watts per square foot of floor area in all areas where products of this section are being installed.

PART 2.00 - PRODUCTS

2.01 Materials:

A. Resilient Tiles: **(note: all colors from same color group)**

1. Type 1: Tiles shall be composed of vinyl resins and mineral fibers, 12" x 12" x 1/8" thick, thru chip, free of physical defects and meeting Federal Specifications SS-T-312 B, type IV.

2. Type 2: Same as type 1, except for difference in color; see drawings.

3. Type 3: Same as type 1, except for difference in color, see drawings.

B. Neutral Dividing Strips: Neutral dividing strips shall be composed of vinyl resins and mineral fibers, 2" wide x 1/8" thick, unless otherwise specifically noted, in lengths as required by the drawings and meeting Federal Specifications SS-T-312 B, type W.

C. Neutral Edging Strips: Neutral edging strips shall be composed of vinyl resins and mineral fibers, 2 inches wide x 1/8 inch thick, unless otherwise specifically noted, in lengths as required by the drawings, bullnose one edge and meeting Federal Specifications SS-T-312 A, type IV.

D. Adhesive: Adhesives shall be only that which is recommended by the manufacturer of the resilient material being installed in the work.

E. Colors:

1. Resilient Tiles: Colors for resilient tile shall be as described in section 09999 of this project manual.
2. Neutral Dividing Strips: Black
3. Neutral Edging Strips: Black

2.02 Fabrication: Omitted

PART 3.00 - EXECUTION

3.01 Inspection:

Contractor shall examine the areas and conditions under which the products of this section are to be installed; notify the Architect in writing of conditions detrimental to the installation of the products of this section and the completion of the work; do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 Installation:

A. Preliminary Requirements:
   1. Surface Variations: Surfaces to receive resilient tile shall be within the allowable variations of 1/8" in 6 feet and 1/16 inch in 1 foot.
   2. Locations: Type 1 resilient tile shall be installed in all locations shown on the drawings or in the schedules where "resilient tile" is called for except
   3. Layout: Fields, patterns and borders shall be centered on applied areas. See drawings for designs of different colored resilient tile.

B. Application of Adhesives: Apply adhesive in accordance with manufacturer's instructions contained in the adhesive packaging material.

C. Laying Resilient Tiles: Unless otherwise specifically shown on the drawings, lay tiles square with room axes, in patterns and with borders as shown on the drawings; surfaces shall be smooth and even, joints shall be tight and accurately aligned; lay full tile at center of space and partial tiles at walls.

D. Laying Neutral Divider Strip: Lay neutral dividing strip directly beneath all doors in areas receiving resilient tile; where cased openings occur, dividing strip shall be full depth of cased opening frame.

E. Laying Neutral Edging Strip: Where resilient tile terminates at a point higher than contiguous flooring and where carpet surfacing abuts resilient tile, lay edging strip.

3.03 Field Quality Control:

A. Inspection: Materials and workmanship at all times will be subject to inspection by the Architect or his representative.

B. Cleaning and Protection: Upon completion of the installation, remove excess adhesive and blemishes from tile and adjacent surfaces, using a neutral type cleaner and then provide a non-staining paper pathway taped to the tile in direction of foot traffic; remove just prior to final inspection and then clean tile and related items and buff with a mechanical buffer.

3.04 Contractor Cleaning Instructions To Owner and floor contractor installer of sealer:

Prior to occupancy of the Owner, floor covering subcontractor to submit written detailed cleaning and sealing requirement for the upkeep of the resilient tile floor. Floor covering subcontractor to demonstrate to Owner's Representative proper cleaning and sealing procedure and submit signed letter from Owner's Representative stating instructions were given to Architect. Floor covering subcontractor is to clean and seal all flooring with Manufacturer's recommendation on number of coats of sealer prior to final inspection (but not less than 4 coats). Use static dissipative sealer and polish per manufacturer's recommendations.

END OF SECTION

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SECTION 09900 - PAINTING

PART 1.00 - GENERAL

1.01 Quality Assurance:

The applicator of the products described hereinafter shall have been successfully engaged in the business of painting for not less than five years immediately prior to performing the work of this section.

1.02 Definitions:

A. Paint:

Term used in a general sense and has reference to sealers, primer, stains, oils, alkyd, latex, epoxy and enamel type paints.

B. Painting:

Term used in a general sense and has reference to the application of "paint", without regard to the type of material to an item.

C. Back Prime:

Term used in a general sense and has reference to the application of "paint" (first coat), without regard to the type of material, to the back side (unexposed to view) of an item.

1.03 Submittals:

A. Proof of Compliance:

Prior to commencing work of this section, submit in triplicate to the Architect:

1. a certified statement of qualifications and
2. a certified statement to the effect that all products proposed to be used meet the requirements of this section.

B. Materials List:

Prior to delivery of any paint materials to the project site, submit to the Architect for review, a complete list of all paint materials to be used in this project as described hereinafter.

C. Manufacturer's Data:

Accompanying the materials list, furnish the paint manufacturer's detailed descriptive and specification data and application instructions for each type of paint required.

D. Color Samples:

1. After review of the material list and manufacturer's data, but prior to delivery of any paint to the project site, submit color samples, not less than 12" x 12" each, for each type and color of finish required.

2. Wherever possible, the material upon which the sample colors are applied shall be the same material as that on which the paint will be applied in the project.

1.04 Product Handling:

A. Protection:

Protect the products of this section from damage during delivery, storage and after installation.

B. Replacements:

In the event of damage, immediately make all repairs and replacements as directed by the Architect.

1.05 Job Conditions:

A. Temperature:

Maintain a constant temperature of not less than 50^{o} F. during painting and drying operations and until date of Architect's Final Certificate.

B. Ventilation:

Provide ventilation to allow for the proper drying of the paint materials by using either of the following:

1. temporary air circulators (sparkproof).
2. air conditioning system.

C. Lighting:

Maintain lighting of not less than three watts per square foot of floor area in all areas where painting operations are in progress.

PART 2.00 - PRODUCTS

2.01 Materials:

A. Paint:

1. All paints selected for the coating system for each type of surface shall be the product of a single manufacturer and as described hereinafter.

2. Thinners, when used, shall be only those thinners recommended for that purpose by the manufacturer of the material to be thinned.

3. Colors shall be as specified in Section 09999 of this project manual.

B. Equipment:
1. Application Equipment:

Brushes, rollers, spray apparatus and like application equipment are not required to be new, but they shall be capable of producing the required results specified hereinafter.

2. Accessory Equipment:

Ladders, scaffolding, drop cloths, scrapers, dusters, and like items are not required to be new, but they shall be safe, adequate and capable of producing the results for which they are intended.

2.02 Fabrication: Omitted.

PART 3.00 - EXECUTION

3.01 Inspection:

Contractor shall examine the areas and conditions under which the products of this section are to be installed; notify the Architect in writing of conditions detrimental to the installation of the products of this section and the completion of the work; do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 Installation:
A. Preliminary Requirements:
1. Surface Preparation:
a. Protection:

Prior to all surface preparation and painting operations, completely mask, remove or otherwise adequately protect all hardware, accessories, machined surfaces, plates, lighting fixtures, and similar items in contact with painted surfaces, but not scheduled to receive paint. All locksets, surface mounted closers, push and pull plates, kick plates, panic devices, door and drawer pulls and similar items shall be removed prior to commencing painting operations.

b. Priming:

Spot prime all exposed nails and other metals which are to be painted with emulsion paints, using a primer recommended by the manufacturer of the coating system.

c. Cleaning:
(1) Before applying paint or other surface treatment, thoroughly clean all surfaces involved.
(2) Schedule all cleaning and painting so that dust and other contaminates from the cleaning process will not fall on wet, newly painted surfaces.

2. Mildew:
   a. Remove and neutralize mildew by scrubbing affected areas thoroughly with a solution made by adding 2 oz. Trisodium Phosphate type cleaner and 8 oz. Sodium Hypochloride to 10 gal. of warm water.

   b. Use a scouring powder if necessary to remove mildew spores.

   c. Rinse with clear water and allow to dry thoroughly before painting.

3. Efflorescence:

Scrub off with a commercial lime solvent or one part commercial muriatic acid to five parts water and then rinse with clear water and allow surface to thoroughly dry before painting.

4. Wood:
   a. Sandpaper to smooth and even surface, then dust off.

   b. Before priming coat is applied, touch up all knots, pitch streaked and resinous sapwood with shellac, four pound cut.

   c. After priming coat has dried, putty all nail holes, cracks, open joints and other defects.

   d. Putty shall be colored to match stain or paint.

   e. Prior to installation, painted wood trim shall be back-primed and stained wood trim shall be back-sealed.

5. Plaster (Gypsum):
   a. Rake small cracks, scratches and abrasions deeply.

   b. Undercut large crack edges, coat with shellac and fill with prepared patching plaster.

   c. Spot coat patches with prime coat when dry and prior to applying specified prime coat.

   d. Do not use sandpaper on plaster surfaces to be painted.

   e. Before painting any plaster, surfaces shall be tested with a moisture testing device.

   f. No paint or sealer shall be applied on plaster when moisture content exceeds 20%, except as may otherwise be required by the manufacturer of the paint materials to be used.

6. Gypsum Wallboard:

Fill all minor irregularities with spackling compound and sand to a smooth, level surface, exercising care to avoid raising nap of paper.

7. Concrete, Unit Masonry and Exterior Plaster (Portland Cement):
   a. Patch large openings and holes with Portland cement mortar and finish flush with adjacent surface.

   b. After priming, fill any remaining small holes with Swedish putty made by mixing dry whiting with prime coat of paint.

   c. Remove form-oil from poured-in-place concrete by washing concrete with Xylol.

   d. Surfaces shall be allowed to dry completely, usually 60 to 90 days in moderate weather, before painting.

   e. No painting shall be done until surfaces are tested by moisture meter and shown to be within the acceptable limits of the specified manufacturer and safe to paint.

8. Ferrous Surfaces:
   a. Remove dirt and grease with mineral spirits and wipe dry with clean cloths.

   b. Remove rust, mill scale and defective paint down to bare metal, using scraper, sandpaper or wire brush as necessary.

   c. Grind if necessary to remove shoulders at edge of sound paint to prevent flaws from photographing through finish coats.

   d. Touch up all bare metal and damaged shop coats with specified rust inhibitive primer.

9. Galvanized Surfaces:
   a. Remove dirt and grease with mineral spirits and dry with clean cloth.

   b. All galvanized steel surfaces shall be pretreated with proprietary acid-bound resinous or crystalline zinc phosphate preparation prior to painting.

10. Lead Coated Copper: Remove dirt and grease with mineral spirits and wipe dry with clean cloth.

B. Paint Application:
   1. General:
      a. Paint all surfaces except aluminum, glass, face brick and prefinished items unless otherwise shown on the drawings.

      b. Paint all access panels, registers and grilles to match the color of the adjacent walls or ceilings.

c. Prime coated butts shall be painted the same color as the door trim.

d. Exposed piping, conduit, ductwork, and hangers, generally in finished areas, shall be painted to match the walls or ceilings adjacent to them; where adjacent surfaces are unpainted these items will be painted black.

e. The top and bottom edges of all wood and metal doors shall be finished with two coats of paint or varnish as used for finished coat, applied after fitting but before faces are painted.

f. The interior of all cabinets, including drawers and shelves, shall be finished the same as in the exterior surfaces.

g. Where aluminum materials are placed in contact with or fastened to dissimilar metals, with the exception of stainless steel or galvanized metals, the contact surfaces shall be given a heavy brush coat of zinc chromate primer made with a synthetic resin vehicle, followed by two coats of aluminum metal and masonry paint.

h. Where aluminum materials are placed in contact with, or built into masonry or plaster, they shall be given a heavy brush coat of methacrylate lacquer.

i. Where aluminum materials are placed in contact with green or wet wood, or any absorptive material subjected to repeated wetting, or wood treated with a non-compatible preservative, the contact surfaces shall be given a heavy brush coat of aluminum pigmented bituminous paint.

j. Dissimilar metals shall be painted if drainage from them passes over aluminum work.

k. Exterior Surfaces Requiring Painting:
   1. Hollow metal doors and frames.
   2. Exterior face of overhead doors.
   3. Slab edge forms and exposed metal.
   4. Exterior masonry wall (one coat filler, two finished coats)

l. Interior Surfaces Requiring Painting:
   1. Hollow metal doors and frames.
   2. Bollards, guard rails, etc
   3. Gypsum wallboard surfaces.
   4. Wood doors and trim
   5. Interior masonry walls
   6. Interior steel columns (roof steel is to be factory primed only_
   7. Concrete slab stripping (traffic aisles)

2. Drying:
   a. Allow sufficient drying time between coats.

   b. Modify the period as recommended by the material manufacturer to suit adverse weather conditions.

   c. Oil-base and oleo-resinous solvent type paints shall be considered dry for re-coating when the paint feels firm, does not deform or feel sticky under moderate pressure of the thumb, and the application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.

3. Environmental Conditions:
   a. Comply with the manufacturer's recommendation as to environmental conditions under which the coating systems may be applied.
   b. Do not apply paint in areas where dust is being generated.

4. Moisture Content:
   a. Use a moisture meter approved by the Architect to test surfaces.

   b. Do not apply the initial coating until moisture meter reading is within limits recommended by the paint materials manufacturer.

5. Defects: Sand and dust between coats to remove all defects visible to the unaided eye from a distance of five feet.

6. Color of Undercoats: Slightly vary the color of succeeding coats.

C. Inspection:
   1. General: Do not apply additional coats until completed coat has been inspected and approved by the Architect.

   2. Number of Coats: Only inspected and approved coats of paint will be considered in determining the number of coats applied.

D. Reinstallation of Removed Items:

Following completion of painting in each area, promptly reinstall all items removed for painting, using only workmen skilled in the particular trade.

E. Painting Systems Schedule: **Also acceptable: Interior – 1C1-Dulux or Equal; Masonry – Thoro Systems.**
   1. Exterior:
      a. Exterior Gypsum Wallboard: shall be painted with one of the following:
         (1) Sherwin-Williams Company
             1 coat A-100 Exterior Latex Primer
             2 coats Tile Clad II Enamel B-62 Series

(2) PPG Industries
1 coat Pit Glaze Pigmented Sealer

2 coats Pit Glaze

(3) Glidden
1 coat Spred Primer Sealer No. 3416
2 coats Glid-Tile Epoxide

b. Ferrous Metal: shall be painted with one of the following:
(1) Sherwin-Williams Company
1 coat Kem Kromik Primer
2 coats Industrial Primer

(2) PPG Industries
1 coat 54-208 Rust Control Primer
2 coats Quick Drying Exterior Enamel

(3) Glidden
1 coat 4570 Red Oxide Primer
2 coats Glid-Guard Alkyd Enamel

c. Galvanized Metal; Lead Coated Copper:
All galvanized metal shall be painted with one of the following:
(1) Sherwin-Williams Company
1 coat Galvite
2 coats Industrial Enamel

(2) PPG Industries
1 coat 6-209 Galvanized Iron Primer
2 coats Quick Drying Exterior Enamel

(3) Glidden
1 coat #5229 Galvanized Iron Primer
2 coats Glid-Guard Alkyd Enamel

d. Cast-In-Place Concrete: and exterior hollow concrete masonry.
All exposed to view Cast-In-Place Concrete to receive paint coating except sidewalk and stairs. Where called for on the drawings, cast-in-place concrete shall be painted with one of the following:
(1) Sonneborn Building Products
2 coats (10 mil film thickness each coat)
Hydrocide Super Color Coat

(2) Tnemec
1 coat (7.8 mil film thickness) System 52-1

e. Wood (Painted):
Where called for on the drawings; wood shall be painted with one of the following:
(1) Sherwin-Williams Company
1 coat A-100 Alkyd Primer Y24W20
2 coats SWP Gloss Paint A2 Series

(2) PPG Industries
1 coat Sun-Proof Universal Primer
2 coats Sun-Proof House and Trim Paint

(3) Glidden
1 coat Y-1951 Base Coat
2 coats Y-1901 House and Trim Paint

2. Interior:
a. Concrete:
Interior concrete exposed to view, except floors, shall be painted with one of the following systems:
(1) Sherwin-Williams Company
2 coats Pro Mar 200 Latex Semi Gloss B31W200
(2) PPG Industries
2 coats No. 6-510 Latex Semi Gloss
(3) Glidden
2 coats Spred Low Lustre Latex Enamel No. 3700

b. Hollow Concrete Masonry - Special Coating:

(1) Sherwin-Williams Company
1 coat H.D. Block Filler B42W46
2 coats Tile Clad II Epoxy

(2) PPG Industries
1 coat Pit Glaze Block Filler 16-9
2 coats Pit Glaze

(3) Glidden
1 coat 5512 Glid-Tile Block Filler
2 coats 5550/5552 Glid-Tile Epoxide

c. Hollow Concrete Masonry:
Interior hollow concrete masonry not scheduled to receive special coating shall be painted with one of the following:
(1) Sherwin-Williams Company
1 coat Block Filler B25W25
2 coats Pro Mar 200 Latex Semi Gloss B31W200

(2) PPG Industries
1 coat Speedhide Masonry Block Filler 6-7
2 coats No. 6-510 Latex Semi Gloss

(3) Glidden
1 coat 581-W-8101 Block Filler
2 coats Spread Low Lustre Latex Enamel No. 3700

d. Plaster (Gypsum): Omitted.

e. Plaster - Special Coating: Omitted.

f. Ferrous Metal:
Ferrous metal exposed to view, including but not limited to all mechanical piping, structural steel and air conditioning ducts, shall be painted with one of the following systems:
(1) Sherwin-Williams Company
1 coat Kem Kromik Primer
2 coats Industrial Enamel B54 Series

(2) PPG Industries
1 coat 54-208 Primer
2 coats Speedhide Semi Gloss Enamel
(3) Glidden
1 coat 4520 Glide Guard Red Oxide Primer
2 coats Spred Lustre 4600 Series

g. Gypsum Wallboard: (Eggshell Finish)

Gypsum wallboard scheduled to receive paint (not special coatings) shall be painted with one of the followings systems:
(1) Sherwin-Williams Company
2 coats Pro Mar 200 Latex Eg-Shel B20W200

(2) PPG Industries
1 coat 6-2 Emulsion Sealer
1 coat Wall Hide No. 80-6

(3) Glidden
1 coat PVA Primer Sealer (tinted to 1/2 wall color)
1 coat Spread Stain No. 3400

h. Gypsum Wallboard - Special Coating:

Gypsum wallboard scheduled to receive special coating shall be painted with one of the following systems:
(1) Sherwin-Williams Company
1 coat Pro Mar 200 Primer B28W200
2 coats Tile Clad II Epoxy B62 Series
(2) PPG Industries
1 coat Pit Glaze Pigmented Sealer
2 coats Pit Glaze

(3) Glidden
1 coat Spred Primer Sealer No. 3416
2 coats Glid-Tile Epoxide

i. Wood (Stained): All wood scheduled to be stained shall be painted with one of the following:
(1) Sherwin-Williams Company
1 coat Interior Oil Stain A48 Series
1 coat Oil Base Varnish A66V91 Gloss
1 coat Oil Base Varnish Stain

(2) PPG Industries
1 coat Rez Stain
2 coats Rez Varnish Satin Finish
(3) Glidden
1 coat 200 Series Spred Wood Stain
2 coats Spred Urethane Stain Varnish 10

j. Wood (Painted):

All wood scheduled to be painted shall be painted with one of the following systems:

(1) Sherwin-Williams Company
1 coat Wall and Wood Primer B49W2
1 coat Pro Mar 200 Alkyd Semi Gloss

(2) PPG Industries
1 coat 6-6 Enamel Undercoat
1 coat 27-109 Semi Gloss Enamel

(3) Glidden
1 coat Spred Wood Y-555, Enamel Undercoat
1 coat Spred Lustre 4600 Series Semi Gloss Enamel

3.03 Field Quality Control:
A. Inspection:

Materials and workmanship at all times will be subject to inspection by the Architect or his representative.

B. Clean Up:
1. During progress of the work, do not allow the accumulation of empty containers or other excess items except in areas specifically set aside for that purpose.

2. Prevent accidental spilling of paint materials and, in event of such spill, immediately remove all spilled material and the waste or other equipment used to clean up the spill, and wash the surfaces to their original undamaged condition.

3. Upon completion of this portion of the work, visually inspect all surfaces and remove all paint and traces or paint from surfaces not scheduled to be painted.

END OF SECTION

SECTION 09999 - COLOR SCHEDULE

PART 1.00 - GENERAL

1.01 Quality Assurance:

Quality assurance is described in pertinent other sections of this project manual.

1.02 Definitions:

Definitions are listed in pertinent other sections of this project manual.

1.03 Submittals:

A. Samples, Color Charts, Manufacturer's Data: Samples, color charts, manufacturer's data and other submittals are described in pertinent other sections of this project manual.

B. Color Schedule:

1. Upon written request from the Contractor and after receipt and review of all samples, color cards, and manufacturer's data pursuant to color and finishes, the Architect will prepare for the Contractor's use, a color schedule for each space scheduled to receive any finish material and a color board illustrating each color described in the color schedule. Colors may vary from space to space.

2. The color board and/or copy of the color schedule shall be kept at the project site until date of Architect's Final Certificate and at that time it shall be returned to the Architect.

1.04 Product Handling:

Product handling is described in pertinent other sections of this project manual.

1.05 Job Conditions:

Job conditions are described in pertinent other sections of this project manual.

PART 2.00 - PRODUCTS

2.01 Materials:

Materials and manufacturers are described in pertinent other sections of this project manual.

2.02 Fabrication:

Fabrication, measurement and mixing of products and materials are described in pertinent other sections of this project manual.

PART 3.00 - EXECUTION

3.01 Inspection:

Contractor shall examine the areas and conditions under which the products of this section are to be installed; notify the Architect in writing of conditions detrimental to the installation of the products of this section and the completion of the work; do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 Installation:

Installation of various finish materials and products is described in pertinent other sections of this project manual.

3.03 Field Quality Control:

A. Inspection:

Materials and workmanship at all times will be subject to inspection by the Architect or his representative.

B. Protection and Cleaning:

Protection and cleaning of the various finishes are described in pertinent other sections of this project manual.

END OF SECTION

SECTION 10001 - FIRE EXTINGUISHERS AND CABINETS

PART 1.00 - GENERAL

1.01 Quality Assurance:

The products of this section shall be the same manufacturer.

1.02 Definitions: Omitted

1.03 Submittals:

A. Manufacturer's Data: Before any products of this section are delivered to the project site, submit to the Architect for review, manufacturer's detailed descriptive and specification data for the products described hereinafter.

B. Shop Drawings: After review of the manufacturer's data, but prior to delivery of the products of this section to the project site, submit manufacturer's shop drawings to the Architect for review.

1.04 Product Handling:

A. Protection: Protect the products of this section from damage during delivery, storage and after installation.

B. Replacements: In the event of damage, immediately make all repairs and replacements as directed by the Architect.

1.05 Job Conditions: Omitted.

PART 2.00 - PRODUCTS

2.01 Fire Extinguishers and Cabinets:

(Prior to ordering, verify type, locations and size with local Building and Fire Official.)

A. Fire Extinguishers:

1. Type 1:
   a. The following are acceptable (or equal):
      (1) MP-10 as manufactured by Larsen's Manufacturing Company, Minneapolis, MN for use in plant areas. At all fire extinguisher in the plant area provide hanging location sign above each fire extinguisher
      (2) _____as manufactured by Potter-Roemer
      (3) _____ as manufactured by Amerex.

2. Type 2: To be MP-5 by Larsen for use in Office Areas.

B. Fire Extinguisher Cabinets: for office areas

1. Manufacturer: Design is based on semi-recessed Larson Model No. AL-2409-5R Size 24” x 10’ x 6” doors. Satin Aluminum cabinet box: white baked enamel.

C. Wall Mounting Brackets: shall be manufacturer's standard for fire extinguishers being installed.

D. Colors:
1. Fire Extinguisher Cabinets:
a. Interior of Cabinet: white baked enamel.
b. Trim: aluminum. Satin Finish
c. Vision Panel: clear.

2. Wall Mounting Brackets: black baked enamel.

E. Anchors: shall be manufacturer's standard for each particular installation.

2.02 Fabrication: Omitted.

PART 3.00 - EXECUTION

3.01 Inspection:

Contractor shall examine the areas and conditions under which the products of this section are to be installed; notify the Architect in writing of conditions detrimental to the installation of the products of this section and the completion of the work; do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 Installation:

A. Cabinets and Wall Brackets: Install cabinets and wall brackets in the locations and at the heights shown on the drawings, anchoring securely in accordance with the details of the manufacturer of the products being installed.

B. Fire Extinguishers: After cabinets and wall brackets are in place install one fire extinguisher in each cabinet and each wall bracket.

C. Filling and Servicing: All fire extinguishers shall be filled and tagged according to NFPA 10 Guidelines and federal, state and local codes.

3.03 Field Quality Control:
A. Inspection: Materials and workmanship at all times will be subject to inspection by the Architect or his representative.

B. Cleaning: Upon completion of the installation, clean all surfaces as recommended by the manufacturer of the products installed.

END OF SECTION