

1.5 PROJECT CONDITIONS
A. Environmental Limitations: Comply with ASTM C 840 requirements or gypsum board manufacturer's written recommendations, whichever are more stringent.

PART 2 - PRODUCTS
2.1 MANUFACTURERS
A. Available Manufacturers:
1. Gypsum Board and Related Products:
a. American Gypsum Co.
b. G-P Gypsum Corp.
c. National Gypsum Company.
d. United States Gypsum Co.
2. INTERIOR GYPSUM WALLBOARD
A. Panel Size: Provide in maximum lengths and widths available that will minimize joints in each area and correspond with support system indicated.
B. Gypsum Wallboard: ASTM C 36.
1. Moisture Resistant Type:
a. Thickness: 5/8"
b. Long Edges: Tapered
c. Location: Vertical surfaces, unless otherwise indicated.
2. Type X:
a. Thickness: 5/8"
b. Long Edges: Tapered
c. Location: As indicated on drawings
2.3 TRIM ACCESSORIES
A. Interior Trim: ASTM C 1047.
1. Material: Galvanized steel sheet
2. Shapes:
a. Cornerbead: Use at outside corners
b. LC-Bead: J-shaped, exposed long flange receives joint compound; use at exposed panel edges
c. U-Bead: J-shaped, exposed short flange does not receive joint compound; use at exposed panel edges
2.4 JOINT TREATMENT MATERIALS
A. General: Comply with ASTM C 475.
B. Joint Tape:
1. Interior Gypsum Wallboard: Paper.
C. Joint Compound for Interior Gypsum Wallboard: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
1. Pre-filling: At open joints and damaged surface areas, use setting-type taping compound.
2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
a. Use setting-type compound for installing paper-faced metal trim accessories.
3. Fill Coat: For second coat, use drying-type, all-purpose compound.
4. Finish Coat: For third coat, use sandable topping compound
5. Skim Coat: For final coat of Level 5 finish, use sandable topping compound
2.5 ACQUACAL SEALANT
A. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
B. Products: Subject to compliance with requirements, provide [one of] the following:
1. Acoustical Sealant for Exposed and Concealed Joints:
a. Pecora Corp.; AC-20 FTR Acoustical and Insulation Sealant.
b. United States Gypsum Co.; SHEETROCK Acoustical Sealant.
C. Acoustical Sealant for Exposed and Concealed Joints: Nonsag, paintable, nonstaining, latex sealant complying with ASTM C 834 that effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90.
2.6 AUXILIARY MATERIALS
A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.
B. Steel Drill Screws: ASTM C 1002, unless otherwise indicated.
1. Use screws complying with ASTM C 954 for fastening panels to steel members from 0.033 to 1/12 inch thick.
C. Isolation Strip at Exterior Walls:
D. Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.
1. Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of assembly.
E. Thermal Insulation: As specified in Division 7 Section "Building Insulation."
2.7 TEXTURE FINISHES
PART 3 - EXECUTION
3.1 EXAMINATION
A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.
3.2 APPLYING AND FINISHING PANELS, GENERAL
A. Gypsum Board Application and Finishing Standards: ASTM C 840 and GA-216.
B. Install sound attenuation blankets before installing gypsum panels, unless blankets are readily installed after panels have been installed on one side.
C. Install ceiling board panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in the central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member.
D. Install gypsum panels with face side out. Butt panels together for a tight contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.
E. Locate edge and end joints over supports. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
F. Attach gypsum panels to steel studs so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.
G. Attach gypsum panels to framing provided at openings and cutouts.
H. Do not attach gypsum panels across the flat grain of wide-dimension lumber, including floor joists and headers. Float gypsum panels over these members using resilient channels, or provide control joints to counteract wood shrinkage.
I. Space fasteners in gypsum panels according to referenced gypsum board application and finishing standard and manufacturer's written recommendations.
1. Space screws a maximum of 12 in. o.c. for vertical applications.
J. Space fasteners in panels that are tile substrates a maximum of 8 inches o.c. for tape.
3.3 PANEL APPLICATION METHODS
A. Single-Layer Application:
1. On ceilings, apply gypsum panels before wall/partition board application. Treat to greatest extent possible and at right angles to framing, unless otherwise indicated.
2. On partitions/walls, apply gypsum panels horizontally (perpendicular to framing) unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
a. Stagger abutting end joints not less than one framing member in alternate courses of board.
b. At stairwells and other high walls, install panels vertically, unless otherwise indicated or required by fire-resistance-rated assembly.
B. Single-Layer Fastening Methods: For gypsum panels supported with steel drill screws.
PART 4 - GYPSUM WALLBOARD ASSEMBLY
A. General: For gypsum board joints, interior edge trim, control joints, penetrations, fastener heads, and face details, and elsewhere as required to prepare gypsum board surfaces for decoration. Paints to remove residual joint compound from adjacent surfaces.
B. Prefill open joints and damaged surface areas.
C. Apply joint tape over gypsum board joints, except those with trim having flanges not intended

SECTION 09310 - CERAMIC TILE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY
A. This Section includes the following:
1. Ceramic tile.
2. Quarry tile.
3. Glazed wall tile.
4. Cementitious backer units
B. Related Sections include the following:
1. Division 7 Section "Joint Sealants" for sealing of expansion, contraction, control, and isolation joints in tile surfaces.
2. Division 9 Section "Gypsum Board Assemblies" for cementitious backer units installed in gypsum wallboard assemblies.
1.3 SUBMITTALS
A. Product Data: For each type of tile, mortar, grout, and other products specified.
B. Grout Samples for Initial Selection: Manufacturer's color charts consisting of actual sections of grout showing the full range of colors available for each type of grout indicated.
C. Product Certificates: Signed by manufacturers certifying that the products furnished comply with requirements.
1.4 QUALITY ASSURANCE
A. Installer Qualifications: 5 years experience.
1.5 DELIVERY, STORAGE, AND HANDLING
A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use. Comply with requirement of ANSI A137.1 for labeling sealed tile packages.
B. Prevent damage or contamination to materials by water, freezing, foreign matter, and other causes.
C. Handle tile with temporary protective coating on exposed surfaces to prevent coated surfaces from contacting backs or edges of other units. If coating does contact bonding surfaces of tile, remove coating from bonding surfaces before setting tile.
1.6 PROJECT CONDITIONS
A. Environmental Limitations: Do not install tile until construction in spaces is completed and ambient temperature and humidity conditions are being maintained to comply with referenced standards and manufacturer's written instructions.

EXTRA MATERIALS

A. Deliver extra materials to Owner. Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels describing contents.
1. Tile and Trim Units: Furnish quantity of full-size units equal to 3 percent of amount installed, for each type, composition, color, pattern, and size indicated.
PART 2 - PRODUCTS
2.1 MANUFACTURERS: see finish schedules on sheet A-2.1
1. Tile Products:
a. CROSSVILLE CERAMICS
b. METROPOLITAN CERAMICS
c. DAL- TILE
2. Tile-Setting and -Grouting Materials:
a. Atlas Minerals & Chemicals, Inc.
b. Bostik Products Corporation.
c. Bonaal: W.R. Bonaal Company.
d. Bostik.
e. C-Cure Corporation.
f. Custom Building Products.
g. Dal-Tile Corporation.
h. Dal-T, Inc.
i. Latitcrete International, Inc.
j. Mapei Corporation.
k. Southern Grouts & Mortars, Inc.
l. Summitville Tiles, Inc.
m. Tec Incorporated.

TILE PRODUCTS

A. Unglazed Quarry Tile: Provide square-edged flat tile complying with the following requirements:
1. Wearing Surface: Abrasive aggregate embedded in surface.
2. Facial Dimensions: 8 by 8 inches (152 by 152 mm).
3. Thickness: 1/2 inch (12.7 mm).
4. Face: Plain.
B. Glazed Wall Tile: Provide flat tile complying with the following requirements:
1. Module Size: 18 by 18 inches and 2 inches by 2 inches.
2. Thickness: per manufacturer established thickness.
3. Face: Plain with cushion edges.
4. Face: Pattern of design indicated, with manufacturer's standard edges.

SETTING MATERIALS

A. Set Portland Cement Grout: ANSI A108.1.
1. For wall applications, use non-sagging, sand-free, portland cement mortar complying with ANSI A118.4 for most of the joints indicated in Section F-2.1.2.
B. Chemical-Resistant, Water-Cleanable, Ceramic Tile-Setting and -Grouting Epoxy: ANSI A118.3.
1. Provide grout capable of resisting continuous and intermittent exposure to temperatures of up to 140 deg F (60 deg C) and 212 deg F (100 deg C), respectively, as certified by mortar manufacturer for intended use.
C. Water-Cleanable, Tile-Setting Epoxy Adhesive: ANSI A118.3.
D. Modified-Epoxy Emulsion Mortar: ANSI A118.8.
E. Organic Adhesive: ANSI A136.1, Type I.

GROUTING MATERIALS

A. Sand-Portland Cement Grout: ANSI A108.10, composed of white or gray cement and white or colored aggregate as required to produce color indicated.
B. Commercial Portland Cement Grout (Sanded Grout): ANSI A118.6, color as indicated, for joints 1/8 inch (3.2 mm) or wider.
C. Dry-Set Grout: ANSI A118.6, color as indicated.
D. Latex-Portland Cement Grout: ANSI A118.6 for materials described in Section H-2.4, composed as follows:
1. Factory-Prepared, Dry-Grout Mixture: Factory-prepared mixture of portland cement; dry, redispersible, ethylene vinyl acetate additive; and other ingredients to produce the following:
a. Unsanded grout mixture for joints 1/8 inch (3.2 mm) and narrower.
b. Sanded grout mixture for joints 1/8 inch (3.2 mm) and wider.
E. Chemical-Resistant Epoxy Grout: ANSI A118.3, color as indicated. (DINING RM & KITCHEN FLOORS)
1. Provide product capable of resisting continuous and intermittent exposure to temperatures of up to 140 deg F (60 deg C) and 212 deg F (100 deg C), respectively, as certified by mortar manufacturer for intended use.

CEMENTITIOUS BACKER UNITS

A. Provide cementitious backer units complying with ANSI A118.9, of thickness and width indicated below, and in maximum lengths available to minimize end-to-end butt joints.
1. Thickness: 1/2 inch (12.7 mm), where indicated.
2. Width: 48 inches (1219 mm).
B. Available Products: Subject to compliance with requirements, cementitious backer units that may be incorporated into the Work include, but are not limited to, the following:
C. Products: Subject to compliance with requirements, provide one of the following products:
1. The Original WonderBoard: Custom Building Products.
2. Wonderboard MultiBoard: Custom Building Products.
3. DomCrete Cementitious Tile-Backer Board: Domtar Gypsum.
4. UII-A-Crete Concrete Backer Board; FinPar, Inc.
5. DUROCK Cement Board; United States Gypsum Co.

MISCELLANEOUS MATERIALS

A. Trowelable Underlayment and Patching Compounds: Latex-modified, portland-cement-based formulation provided or approved by manufacturer of tile-setting materials for installations indicated.
B. Metal Edge Strips: White-zinc-alloy terrazzo strips, 1/8 inch (3.2 mm) wide at top edge with integral provision for anchorage to mortar bed or substrate, unless otherwise indicated.
C. Temporary Protective Coating: Provide product indicated below that is formulated to protect exposed surfaces of tile against staining and grout; is compatible with tile, mortar, and grout products; and is easily removable after grouting is completed without damaging grout or tile.
1. Grout release in form of manufacturer's standard proprietary liquid coating that is specially formulated and recommended for use as a temporary protective coating for tile.
D. Tile Cleaner: A neutral cleaner capable of removing soil and residue without harming tile and grout surfaces, specifically approved for materials and installations indicated by tile and grout manufacturers.

MIXING MORTARS AND GROUT

A. Mix mortars and grouts to comply with referenced standards and mortar and grout manufacturers' written instructions.
B. Add materials, water, and additives in accurate proportions.
C. Obtain and use type of mixing equipment, mixer speeds, mixing containers, mixing time, and other procedures to produce mortars and grouts of uniform quality with optimum performance characteristics for installations indicated.

EXECUTION

3.1 EXAMINATION
A. Examine substrates, areas, and conditions where tile will be installed, with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.
1. Verify that substrates for setting tile are firm; dry; clean; free from oil, wax, films, and curing compounds; and within flatness tolerances required by referenced ANSI A108 series of tile installation standards for installations indicated.
2. Verify that installation of grounds, anchors, recessed frames, electrical and mechanical units of work, and similar items located in or behind tile has been completed before installing tile.
3. Verify that joints and cracks in tile substrates are coordinated with tile joint locations; not coordinated, adjust latter in consultation with Architect.
B. Do not proceed with installation until unsatisfactory conditions have been corrected.

PREPARATION

A. Remove coatings, including curing compounds, and other substances that contain soap, wax, oil, or silicone and are incompatible with tile-setting materials. Use a terrazzo or concrete grinder, a drum sander, or a polishing machine equipped with a 1/2 inch (12.7 mm) wire brush.
B. Provide concrete substrates for the floors installed with dry-set or latex-modified cement mortars that comply with flatness tolerances specified in referenced ANSI A108 series of tile installation standards for installations indicated.
1. Use trowelable leveling and patching compounds per tile manufacturer's written instructions to fill cracks, holes, and depressions.
2. Remove protrusions, chips, and ridges by sanding or grinding.
C. Field-Applied Temporary Protective Coatings: Where indicated under the type or needed to prevent penetration or staining of exposed tile surfaces by grout, protect exposed surfaces of tile against staining or staining by coating them with a continuous film of temporary protective coating as indicated on drawings. Do not coat unexposed tile surfaces.
1. Grout release.
3.2 INSTALLATION, GENERAL
A. ANSI Tile Installation Schedule: Comply with parts of ANSI A108 series of tile installation standards in "Specifications for Installation of Ceramic Tile" that apply to types of setting and grouting materials and to methods indicated in ceramic tile installation schedules.
B. TCA Installation Guidelines: TCA's "Handbook for Ceramic Tile Installation." Comply with TCA installation methods indicated in ceramic tile installation schedules.
C. Extend tile work into recesses and under or behind equipment and fixtures to form a complete covering without interruptions, unless otherwise indicated. Terminate work neatly at door thresholds, edges, and corners without disrupting pattern or joint alignments.
D. Accurately trim intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of the abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
E. Jointing Pattern: Lay tile in grid pattern, unless otherwise indicated. Align joints when adjoining tiles on floor, base, walls, and trim are the same size. Lay out tile work and center tile fields in both directions in each space or on each wall area. Adjust to minimize tile cutting. Provide uniform joint widths, unless otherwise indicated.
F. Lay out tile waicosts to next full tile beyond dimensions indicated.
G. Grout tile to comply with the requirements of the following tile installation standards:
1. For ceramic tile grouts (sand-portland cement, dry-set, commercial portland cement, and latex-portland cement grouts), comply with ANSI A108.10.
2. For chemical-resistant epoxy grouts, comply with ANSI A108.6.

FLOOR TILE INSTALLATION

A. General: Install tile to comply with requirements in the Ceramic Tile Floor Installation Schedule, including those referencing TCA installation methods and ANSI A108 series of tile installation standards.
B. Joint Widths: Install tile on floors with the following joint widths:
1. Quarry Tile: 3/8 inch (9.5 mm).
C. Back Butting: For installations indicated, obtain 100 percent mortar coverage by complying with applicable special requirements for back buttering of tile in referenced ANSI A108 series of tile installation standards:
1. Tile floors in wet areas, including showers, tub enclosures, laundries, and swimming pools.
2. Tile floors installed with chemical-resistant mortars and grouts.
3. Tile floors composed of tiles 8 by 8 inches (203 by 203 mm) or larger.
D. Vinyl Edge Strips: Install at locations indicated or where exposed edge of tile flooring meets carpet that finishes flush with top of tile.

WALL TILE INSTALLATION

A. Install types of tile designated for wall installations to comply with requirements in the Ceramic Tile Wall Installation Schedule, including those referencing TCA installation methods and ANSI setting-bed standards.
B. Joint Widths: Install tile on walls with the following joint widths:
1. Wall Tile: per Tile Council of Americas (TCA) recommendations
C. Back Butting: For installations indicated, obtain 100 percent mortar coverage by complying with applicable special requirements for back buttering of tile in referenced ANSI A108 series of tile installation standards:
1. Exterior tile wall installations.

CLEANING AND PROTECTING

A. Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
1. Remove latex-portland cement grout residue from tile as soon as possible.
2. Unglazed tile may be cleaned with acid solutions only when permitted by tile and grout manufacturer's written instructions, but no sooner than 10 days after installation. Protect metal surfaces, cast iron, and vitreous plumbing fixtures from effects of acid cleaning. Flush surface with clean water before and after cleaning.
B. Finished Tile Work: Leave finished installation clean and free of cracked, chipped, broken, unbonded, and otherwise defective tile work.
C. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and installer, that ensure tile is without damage or deterioration at the time of Substantial Completion.
1. When recommended by tile manufacturer, apply a protective coat of neutral protective cleaner to completed tile walls and floors. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear.
2. Prohibit foot and wheel traffic from tiled floors for at least 7 days after grouting is completed.
D. Before final inspection, remove protective coverings and rinse neutral cleaner from tile surfaces.

QUARRY TILE FLOOR INSTALLATION SCHEDULE

A. Ceramic Tile Floor Installation: Where interior floor installations of this designation are indicated, comply with the following:
1. Tile Type: Unglazed quarry tile.
a. American Olean: Canyon Red Quarry with abrasive grit 6x6
2. Installation Method: TCA F115 (thin-set mortar bonded to concrete subfloor, with epoxy grout). <RETAIN TCA F115 WITH ANSI A108.5>

CERAMIC TILE WALL INSTALLATION SCHEDULE

A. Ceramic Tile Wall Installations: Where interior wall installations of this designation are indicated, comply with the following:
1. Buchtal 6x8
2. Installation Method: TCA W244 (thin-set mortar bonded to cementitious backer board on wood and metal studs).
END OF SECTION 09310

LAY-IN CEILINGS SECTION 09500

PART ONE GENERAL

1.01 SCOPE: Furnish labor, equipment, and materials to complete the installation of all lay-in ceiling materials and suspension systems.
1.02 SUBMITTALS: Comply with Section 01300. Submit samples for approval.
1.03 JOB CONDITIONS: No work shall be started until all exterior operations are closed. In all wet areas, work shall be completed and dried before work is started.
PART TWO - MATERIALS
2.02 NON-ACOUSTICAL CEILING PANELS: ACT-1
24" x 24" x 1/2" White Vinyl faced, Slotted, Intercode by U.S. Gypsum, with exposed grid suspension systems; USG Interiors Inc. by DONN No. 22260 - ZX4, Color: Flat White
2.03 ACOUSTICAL CEILING PANELS: ACT-1
24" x 24" x 1/2" White (0004 Acoustone Frost, Shadowline Tapered Edge) Panel by USG Interiors with DONN No. 272606 - ZX4, Color: Flat White #050 suspended ceiling grid.

PART THREE - EXECUTION

3.01 INSTALLATION
In strict accordance with manufacturer's printed instructions. Suspend main tees from structure using No. 9 gauge wire hangers at 48" centers. Lock cross tees in place at every intersection with main runners, and wall angles with ends at tees resting on bottom flange. Secure wall angles to substrate with suitable fasteners and anchors. Support all lay-in units on all four sides; provide extra hangers if required. Suspend surface mounted fixtures from building structure and support against ceiling fixtures. Coordinate with the Electrician Contractor regarding suspension at electrical ceiling fixtures from the ceiling suspension.
3.02 CLEAN-UP:
At completion of the work, remove all scaffolding, containers and other rubbish resulting from the portion of the work from the site. Leave all tile and supporting members firm and securely anchored, free of finger marks or smudges, and in perfect condition.

PAINTING SECTION 09900

PART ONE - GENERAL

1.01 SCOPE
A. EXTENT: The work under this section consists of all painting and finishing work.
PAINTING (DEFINITION): The terms point or painting as used in this section in a general sense have references to sealers, primer, stains, oil, alkyd, latex, epoxy and enamel type paints, and the application of these materials.
1.02 JOB, WEATHER AND TEMPERATURE CONDITIONS
A. Maintain temperature in building at constant 50F, or above during drying of masonry, and provide adequate ventilation for escape of moisture from building, in order to prevent mildew, damage to other work, and improper drying of paint.
B. Before painting is started in any area, it shall be broom clean; excessive dust shall be removed from all areas to be painted.
C. After painting operations begin in a given area, broom cleaning will not be allowed; cleaning shall then be done only with commercial vacuum cleaning equipment.
1.03 SUBMITTALS: Prepare sample of each paint or stain color and submit to Krystal Construction Department Representative for approval. Samples shall be 2" x 2" or as large as practicable, and may be done on actual materials in place on the job, except stain samples, which shall be made upon wood or some quality and specie as wood to be finished.

PART TWO - MATERIALS

2.01 MANUFACTURER: Painting and finish materials shall be as manufactured by Sherwin Williams as scheduled.
2.02 Colors scheduled and/or indicated on drawings, and as specified herein.
2.03 Products All paints, varnishes, enamels, stains, paste fillers and similar materials must be delivered in the original containers with the seals unbroken and labels intact, and with the manufacturers instructions printed thereon. All painting materials, such as linseed oil, shellac and turpentine, shall be pure and of highest quality. They shall bear identifying labels on the containers, with the manufacturers instructions printed thereon.

PART THREE - EXECUTION

APPLICATION AND WORKMANSHIP:

A. The workmanship shall be the very best. Only skilled mechanics should be employed. Application may be by brush, roller or spray, at the contractor's option, except as hereinafter specified otherwise.
B. All materials shall be mixed, thinned, modified and applied only as specified by the manufacturer's directions on the container.
C. Protect work at all times, and adjacent work and materials by suitable covering or other method during progress of work. Upon completion of work, remove all paint and varnish spots from the floors, glass and other surfaces. Remove from the premises all rubbish and accumulated materials of whatever nature not caused by others and leave the work in clean, orderly and acceptable condition.
D. All material shall be applied under adequate illumination, evenly spread and smoothly flowed on with the proper type and sizes of brushes, roller covers, bucket grids, and spray equipment to avoid sags, holidays, brushmarks, air bubbles and roller stipple.

E. Coverage and hide shall be complete. When color, stain, dirt or undercoats show through final coat of paint, the surface shall be covered by additional coats until the uniform color and uniform finish coats appear and coverage is complete.
F. Exterior painting shall be done when the temperature is between 50°F, while the surface is damp during curing or frosty weather, or when the temperature is likely to drop to freezing within 24 hours. Avoid all painting in surfaces which may be exposed to hot sun.
G. All interior work shall be back-coated before installation with enamel undercoat.
H. Enamel or varnish finishes applied to wood or metal shall be sanded with fine sandpaper and then cleaned between coats to produce an even, smooth finish.
I. Electrical ducts, pipes, conduit, furring, structural steel framing, metal boxes or other metal surfaces, and wood framing and deck above finished ceilings is not required.
J. Paint exterior surfaces at all roof top equipment except spun aluminum fan housings.
PREPARATION OF SURFACES:
A. General: Surface shall be clean, dry and adequately protected from dampness. Surfaces shall be smooth, even, and true to plane. Surfaces shall be free of any foreign material which will adversely affect adhesion or appearance or applied coating.
B. Wood and Plywood Sandpaper to smooth even surfaces. Then dust off. After priming coat has dried, putty all nail holes, cracks, open joints and other defects. Putty shall be colored to match stain or paint. Sand or rub with steel wool to smooth surface between coats; rough surfaces will not be accepted.
C. Concrete and masonry Patch large openings and holes with Portland Cement mortar and finish flush with adjacent surface. These surfaces shall be allowed to dry thoroughly before painting.
D. Ferrous Surfaces: Remove dirt, grease and other deleterious substances with mineral spirits and wipe dry with clean cloths. Remove rust, mill scale and defective paint down to sound surface, using scraper, sandpaper or wire brush as necessary. Grind, if necessary, to remove shoulders at edge of sound paint to prevent flaws from photographing through finish coats. Necessary touching up of shop primer shall be done on ferrous metal surfaces of all items installed adjacent to concrete prior to any openings between metal surfaces and adjacent surfaces being filled in or caulked.
E. Galvanized Surfaces (except roof access ladder): Remove all dirt, grease and other deleterious substances with mineral spirits and wipe dry with clean cloths.
3.03 SCHEDULES: Unless specifically noted on the Drawings or in the Specifications to be excluded from field finishing requirements, field finish as items constructed with or manufactured from the following materials, where such items are exposed in the finished Work, using the painting products and numbers or coats listed.

A. Ferrous Metal (Dumpster gate posts & bollards)
2 coats - Sherwin Williams DTM Acrylic Gloss, Series B66, RED
NOTE: Do not paint hot dip galvanized ladder to roof, ladder cover assembly, hinges or haps.
NOTE: See paragraphs 3.01.1 and 3.01.1 J of this Section 09900 for other exceptions and inclusions.
B. Wood and Plywood (Painted, Opaque Finish)
NOTE: See Paragraph 3.01.1 of this Section 09900 for other exceptions.
C. Tops of A/C Units and Compressor- Housing
1 coat - Koolseal aluminumized sealer
D. Gypsumboard Drywall
1 coat - Sherwin Williams Latex Primer
2 coats - Sherwin Williams: Everclean Latex Satin
E. Wood finish:
2 Coat: Thompsons wood preservative.
3.04 COMPLETION: Upon completion, do all touching up required, and leave all work in a finished and acceptable condition. Remove all rubbish and leave premises clean.

TOILET ACCESSORIES SECTION 10800

PART ONE - GENERAL

1.01 SCOPE: The work of this Section includes accessories in toilets.
1.02 SUBMITTALS: Submit complete shop and installation Drawings, showing dimensions of built-in items, special anchoring requirements and details. Indicate specifically all requirements for blocking by others.
1.03 MANUFACTURER: Submit complete shop and installation Drawings, showing dimensions of built-in items, special anchoring requirements and details. Indicate specifically all requirements for blocking by others.
PART TWO - MATERIALS
2.01 ACCESSORIES: SEE SHEET A-5 FOR TOILET ACCESSORIES SCHEDULE
2.02 FASTENERS: Provide fastening devices as specified above, and as recommended by manufacturer.
PART THREE - EXECUTION
3.01 INSTALLATION:
Erect items in a rigid substantial manner, in correct positions, and level and plumb. Fully trim in where required. Grab bars must support a 250 pound load applied anywhere along its length.



#ATL034
CONYERS, GA



ISSUED FOR
CONSTRUCTION

1447 Highway 138
Conyers, Georgia 30012
Rockdale County, Georgia

Revisions		
#	Date	Description

A.	Ferrous Metal (Dumpster gate posts & bollards)
2 coats - Sherwin Williams DTM Acrylic Gloss, Series B66, RED	
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NOTE: See paragraphs 3.01.1 and 3.01.1 J of this Section 09900 for other exceptions and inclusions.	
B.	Wood and Plywood (Painted, Opaque Finish)
NOTE: See Paragraph 3.01.1 of this Section 09900 for other exceptions.	
C.	Tops of A/C Units and Compressor- Housing
1 coat - Koolseal aluminumized sealer	
D.	Gypsumboard Drywall
1 coat - Sherwin Williams Latex Primer	
2 coats - Sherwin Williams: Everclean Latex Satin	
E.	Wood finish:
2 Coat: Thompsons wood preservative.	
3.04 COMPLETION: Upon completion, do all touching up required, and leave all work in a finished and acceptable condition. Remove all rubbish and leave premises clean.	

Revisions		
#	Date	Description

Project Number: 18028
Issued for: CONSTRUCTION
Issue Date: 03/22/18
DRAWING TITLE
SPECIFICATIONS
SHEET NUMBER
SP03