09250 GYPSUM BOARD

A. General

1. The Contractor shall notify Architect of date for partition layout. Layout shall be reviewed by Architect prior to construction.
2. All gypsum-board installation shall be done by a qualified installer with experience in commercial applications similar in scope to this project.
3. Gypsum board installation shall conform to ASTM C840, the recommendations of the Gypsum Association, the specific recommendations of the manufacturer, and the requirements of the UL Fire Resistance Directory (at fire rated partitions)
4. At areas where existing partitions are indicated to remain, repair and prepare existing gypsum board surface to accept new finish. Quality of repaired and prepared surface of existing partition shall be equal to that of newly constructed partitions.

B. Metal Framing

1. Installation of metal framing for interior gypsum board shall conform to ASTM C754.
2. Metal stud gauge for partitions shall be 25 gauge minimum unless noted otherwise. Metal studs at fire rated partitions shall be 20 gauge minimum.
3. Metal stud framing shall conform to ASTM C754 as follows:

Stud Depth GWB layers Max height Stud spacing each side *U240* @ 5 lbs/sf on center

2 1/2" one- 11'-8" 16"
2 1/2" one-- 10'-8" 24"
2 1/2" two- 12'-7" 24"
3 5/8" one 15'-5" 16"
3 5/8" one 13'-8" 24"
3 5/8" two 15'-5" 24"

* The use of these tables shall be limited to applications involving simply supported conditions. Where studs are braced at or below maximum stud height (by suspended ceiling or separate bracing), the overall height may be increased by 50%.

4. Metal runners shall correspond in size and gauge to metal studs. Metal runners shall be continuous and attachment shall be at 24" on center unless noted otherwise.
5. Metal furring shall be spaced at 24" on center unless noted otherwise.
6. Steel sheet components: Complying with ASTM C645 requirements for metal and with manufacture's standard corrosion-resistant zinc coating.
7. Steel studs and runners: ASTM C645, in depth indicated.
8. Deep-leg deflection track: ASTM C645 top runner with 2" deep flanges.
9. Hat shaped, rigid furring channels: ASTM C645, in depth indicated.
10. Fasteners for metal framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.

C. Fire Rated Gypsum Board

1. Fire rated partitions shall conform to UL design number indicated. Refer to UL Fire Resistance Directory - Volume I (latest edition) for additional information.
2. All Mechanical, Electrical, and Plumbing penetrations in fire rated partitions shall be sealed at their perimeter with approved fire rated sealer.

D. Sound Rated Partitions

1. Sound rated partitions shall conform to ASTM E497, Standard Practice for Installing Sound-Isolating Lightweight Partitions.
2. All Mechanical,_ Electrical, and Plumbing penetrations in sound rated partitions shall be sealed at their perimeter with approved acoustical sealer.

E. Gypsum Board Finish Notes (see also architectural sheets)

1. Gypsum board shall be installed and finished to within 1/4" of floor -slab.
2. All Gypsum board panel joints, joints to existing construction, edge trim, corner beads, and preformed reveals shall be taped, bedded in joint compound, and sanded smooth with no visible joints. Provide proper backing for all reveals as recommended by manufacturer.
3. Outside corners of gypsum board shall have metal corner beads (screwed type), unless noted otherwise.
4. Metal edge trim shall match USG #2008 series and shall be in sizes corresponding to gypsum board thickness.
5. Alignment of door heads and other critical horizontal elements shall be maintained at a constant level relative to the ceiling plane, and shall not follow variations in floor plane.
6. Partition types above door are to be same as the adjacent partitions unless noted otherwise.
7. Align face of partitions with face of adjacent column unless noted otherwise.
8. Provide additional studs as required to achieve outlet groupings. Coordinate with engineering drawings.

F. Blocking

1. Wood blocking shall be fire retardant treated (FRT). Install wood blocking as required in partitions at wall hung shelving, cabinets, artwork, toilet partitions and accessories, etc. Verify blocking requirements with millwork subcontractor and review with the Architect for acceptance prior to installation.

093013 - CERAMIC AND PORCELAIN TILE

1.1 DESCRIPTION

A. Furnish all labor, materials, tools, equipment and services necessary for and reasonably incidental to complete the tile work as shown on the drawings or specified.

B. Related documents, drawings and general provisions of contract, including General and Supplementary Conditions and Division 1. Specification Sections apply to work of this section.

1.2 REFERENCE STANDARDS

A. Comply with current editions and applicable Specifications of the following:
1. American Society for Testing and Materials (ASTM).
2. American National Standards Institute (ANSI).
3. Tile Council of America (TCA) Handbook for Ceramic Tile Installation.

1.2 QUALITY ASSURANCE

A. Deliver, store and handle materials in accordance with manufacturer's instructions.

B. Tile contractor, by commencing the work of this section, assumes overall responsibility to assure that all assemblies, components and parts shown or required within the work of this section comply with contract documents and are compatible with each other and with the conditions and expected use.

C. Extra Stock: Furnish extra stock of quantity equal to ten percent (10%) of amount installed, in full-size units, for each type, color, size and finish of tile.

1.4 SUBMITTALS

A. Verification Samples: Submit the following for each type, color, size, and finish included in the work.

B. Product and Installation Data:
1. Porcelain tile manufacturer's product and technical data indicating compliance with applicable standards.
2. Master Grade Certificates for each type of tile issued by tile manufacturer and signed by the installer.
3. Mortar and grout manufacturer's technical data sheets indicating suitability for the installation specified and compliance with applicable standards.
4. Sealant or prefabricated joint manufacturer's product and technical data.

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1.5 ENVIRONMENTAL

A. Comply with requirements of referenced standards and recommendations of material manufacturers for environmental conditions before, during and after installation.

B. Maintain environmental conditions and protect work during and after installation to comply with referenced standards and manufacturer's printed recommendations.

C. Maintain minimum and maximum temperature limits as recommended by manufacturers.

D. Protect adjacent surfaces during progress of the work in this section.

E. Illuminate the work area during installation providing the same level and angle of illumination as will be available for final inspection.

PART 2 - PRODUCTS

2.1 GENERAL REQUIREMENTS

A. Comply with ANSI Standard for Tile Installation Material and current Tile Council of America Handbook for products and materials indicated for setting and grouting.
B. Size and type: Porcelain and ceramic tile shall be as scheduled on the Drawings.

2.2 SETTING AND GROUTING MATERIALS:

A. Use appropriate installation mortars according to ANSI A118-1999 series or A136.1-1999.

B. Use grout per ANSI A118.3, A118.5, A118.6 A118.7 or A118.8-1999. C. Use waterproofing/Anti Fracture Membrane as required according to ANSI A118.10-1999.

2.4 EXPANSION JOINTS, CONTROL, CONTRACTION, AND ISOLATION JOINTS:

A. Refer to most current TCA Handbook, Method EJ171-YY (Year) for recommendations on locating, treating and detailing various types of construction joints.

B. Use sealant complying with ASTM C920 according to Type, Grade, Class and Uses required. Provide trim strips or other edging material where tile terminates at dissimilar finishes as shown or specified.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates where tile will be installed for compliance with requirements for installation tolerances and other conditions effecting performance of installed tile. Verify that substrates for setting tile are well cured, structurally sound dry, clean, and free from oil or waxy films, curing compounds or other coatings and surface treatments.

B. Do not proceed with installation until unsatisfactory conditions have been corrected. Commencement of work signifies acceptance of substrate and installation conditions.

3.2 PREPARATION

A. Substrate Preparation: Prepare and clean substrate in accordance with installation standards and manufacturer's instructions, and as follows:
1. Remove protrusions, bumps and ridges by grinding or chipping.
2. Repair, fill, and level cracks, holes, depressions and rough or chipped areas in substrate using patching material recommended by setting materials manufacturer.
3. Slab to have light broom finish when tile is installed by thin-set method.

3.3 INSTALLATION

A. Manufacturers' Instructions: Perform work in compliance with standard accepted installation guidelines, Crossville Porcelain Stone/USA instructions and setting materials manufacturers' instructions.

B. General Installation Standards: Install tile in accordance with ANSI A108 standards, appropriate TCA methods, and written instructions of the specified manufacturers.

C. Installing Tile:
1. Install tile in pattern indicated. Align joints when adjoining tiles on floor, base, walls, and trim are same size. Adjust to minimize tile cutting and to avoid tile less than half size.
2. When possible, smooth cut edges of tile and/or use appropriate cutter or wet saw to produce smooth cuts. Provide straight cuts which align with adjacent materials.
3. Extend tile into recesses and under equipment and fixtures to form a complete covering without interruption.
4. Terminate tile neatly at obstructions, edges, and corners, without disruption of pattern or joint alignment.
5. Provide tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints smooth and even, without voids, cracks, or excess mortar or grout.
6. Mix mortar in strict accordance with manufacturer's recommendations.
7. Apply setting material in accordance with manufacturer's directions and install tile before mortar has started initial cure. For thin set mortar application, use a notch trowel that will achieve the recommended coverage of mortar after tiles have been installed. Reference standard coverage information and follow manufacturer's recommendations for trowel size when using mortar.
8. Do not spread more material than can be covered within 10 to 15 minutes. If "skinning" occurs, remove mortar and spread fresh material. Spread mortar with notches running in one direction that shall be perpendicular to the pressing, pushing and pulling of tile during placement.
9. Place tile in fresh mortar, press, push and pull the tile slightly to achieve as near 100% coverage and contact of tile with setting material and substrate as possible. The coverage shall be no less than 85% and be sufficiently distributed to give full support of the tile. Make sure that all corners and edges are well supported with mortar. Leave no hollow corners or edges. NOTE: 95-100% coverage is mandatory for wet or exterior areas. A skim coat ("back-butter") of mortar can be placed onto the entire back of the tile using a trowel in order to assist in optimum adhesion and coverage of the mortar being used.
10. Ensure there is a minimum 1/8" of mortar between tile and substrate after proper bedding. Installer must periodically remove sheets or individual tiles to assure proper bond coverage consistent with industry specifications. If coverage is found to be insufficient, use a larger size notch trowel.
11. Use a beating block and hammer or rubber mallet so that faces and edges of individual tiles are flush and level with faces and edges of adjacent tiles, and to reduce lippage.

C. Grouting:
1. Install grout in accordance with ANSI A108.10, A108.6, A108.8, A108.9- 1999 correlating to grout type chosen and manufacturer's recommendations.
2. Mix grout material in strict accordance with manufacturer's directions.
3. Apply grout to produce full, smooth grout joints of uniform width, and free of voids and gaps.
4. Before grouting entire area do a test area to assure there will be no permanent staining or discoloration of the tile and to verify that the grout is easily removed from the surface. If necessary, pre-coat exposed surfaces of tile with a grout release as recommended by the manufacturer, as this will facilitate removal of the grout.
5. Cure all setting and grouting materials in accordance with manufacturer's recommendations.

E. Cleaning and Protection:
1. If one has been used, remove grout release and clean tile surfaces so they are free of grout residue and foreign matter, in accordance with manufacturer's If a grout haze or residue remains, use a suitable grout haze remover or cleaner and contact grout manufacturer for recommendations. Flush surface with clean water before and after cleaning. Do not use harsh hydrochloric, muriatic or sulfuric acid or acid-based cleaners to clean glazed tiles or tiles grouted with latex modified grout.
3. After cleaning, provide protective covering and maintain conditions to protect tile work from damage or deterioration. Where tiled surfaces will be subject to equipment or wheel traffic or heavy construction traffic, and during move-in of furniture and equipment, cover protective covering with 1/4" hardboard, plywood or similar material.
4. Leave finished installation clean and free of cracked, chipped, broken, unbonded, and otherwise defective tile work.

09650 RESILIENT FLOORING

A. Submittals:
1. Commercial grade, floating LVT tile, 20 mil wear layer, .20" guage
2. Rubber wall base.
B. 4" rubber wall base shall be used as indicated on drawings. The Contractor shall use inside and outside corners and end stops for all areas specified. Use roll goods only. No seam shall occur within 6" of an outside corner.

09113 EXTERIOR PAINTING

A. Paint for all exterior metals. Touch up galvanized surfaces, paint bare surfaces with zinc-rich primer.Finish coat, two coats ALKYD enamel, semi-gloss sheen.
B. Paint all exposed CMU surfaces. Prime with ALKYD primer. Finish coat, two coats acrylic latex, satin gloss.

09123 INTERIOR PAINTING

A. Paint all gypsum board surfaces. Prime with latex primer. Finish coat, two coats acrylic latex, satin gloss.
B. Paint all exposed CMU surfaces. Prime with latex primer. Finish coat, two coats acrylic latex, satin gloss.

DIVISION 10 - SPECIALTIES

102100 TOILET COMPARTMENTS
A. Provide solid plastic (HDPE) Eclipse toilet partitions and urinal screens, as manufactured by Scranton Products, Color to be selected by Architect

102880 TOILET SPECIALTIES

A. GC to provide and install Specialities, as listed below and as directed on drawings:
1. Toilet Tissue Dispenser
2. Sanitary Napkin Disposal
3. Grab Bars
4. Mirror
5. Diaper Changing Table
6. Electric Hand Dryers

105100 METAL LOCKERS

114000 FOOD SERVICE EQUIPMENT

Refer to Food Service Manual

11412I WALK-IN COOLERS & FREEZERS
See Equipment Schedule for responsibilities

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I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the state of Maryland Lic.: 8639 Exp.: 07 December 2017.

DASH IN

STORE #079

QUARTERFIELD RD - SEVERN, MD

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