

SECTION 09330  
QUARRY TILE

## PART 1 GENERAL

## 1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to work in this section.

## 1.2 SECTION INCLUDES:

- A. Contractor shall furnish and install all tile as shown on the plans or specified.
- B. This work includes all plant facilities, services, materials, labor, tools and appliances as required.

## 1.3 REFERENCES

- A. ANSI/CTI A108.1 - Installation of Ceramic Tile with Portland Cement Mortar.
- B. ANSI A108.3 - Quarry Tile and Paver Tile Installed with Portland Cement Mortar.
- C. ANSI A136.1 - Organic Adhesive for Installation of Ceramic Tile.
- D. ANSI A137.1 - Standard Specifications for Ceramic Tile.
- E. TCA (Tile Council of America) - Handbook for Ceramic Tile Installation.

## 1.4 JOB CONDITIONS:

- A. This Contractor shall inspect the job conditions, starting work constitutes approval of conditions.

## 1.5 SUBMITTALS:

- A. Submit manufacturer's detailed technical data for materials along with tile and grout samples per Section 01300.

## PART 2 PRODUCTS

## 2.1 MATERIALS:

- A. Quarry tile for floor and base shall be domestic, standard grade, slip resistant, in accordance with the minimum grade guidelines established by the Tile Council of America, Incorporated and conform to ANSI A137.1.
- B. Products specified shall be based on American Olean Equal products by Dal-Tile, Crossville, or Summitville are acceptable.
  - 1. Tile shall meet or exceed the ADAAG slip resistance coefficient of 0.6 on static surfaces and 0.8 on ramps, and submit documentation to Architect.
  - 2. Floor Tile: 6" x 6" x 1/2" "Quarry Naturals" conforming to TCA 137.1.
  - 3. Base shall be cove, bull nose top 6" x 5" x 1/2" to match floor.
  - 4. Setting Materials:
    - a. Portland Cement: ASTM C150 Type 1.
    - b. Latex Portland Cement Mortar: ANSI A118.4.
    - c. Hydrated Lime: ASTM C206 or C207 Type S.
    - d. Sand: ASTM C144.

- e. Water: Clean and potable.
- f. Metal lath: ANSI A42.4, expanded, painted, 2.5-lb./sq. yd. minimum.
- g. Dry-Set Mortars: ANSI 118.1.
- h. Organic Adhesive: ANSI A136.1, type as follows:
  - i. Kitchen Areas: Type I.
5. The Contractor to supply all necessary base, cap edge corner, trim, or accessory tiles required for a complete installation.
6. Grout:
  - a. Floor Tile - shall be latex Portland cement colored floor grout, per ANSI A118.3.
  - b. Color - shall be selected by Architect.
7. Caulking compounds shall be of the type specified in the caulking section of these specifications and compatible with the adjacent areas.
8. Marble thresholds shall be used at all changes of materials, maximum of ½" thick to meet handicap requirements.
9. Sealer - after cleaning apply two coats of joint sealer per manufacturer's recommendations.

## 2.2 MISCELLANEOUS MATERIAL

- A. Latex Underlayment: Quick set type, as recommended by membrane manufacturer, as required to provide positive drainage to floor drains.
- B. Waterproof Membrane: Shall be equal to Laticrete trowel applied waterproof membrane 301/335 as manufactured by Laticrete International, Inc., consisting of the following components:
  1. Waterproofing Liquid 301
  2. Waterproofing Powder 335
  3. Reinforcing fabric, Rot-Proof, hi-tensile cloth, specially treated.

## PART 3 EXECUTION

### 3.1 INSPECTION:

- A. This Contractor shall notify the General Contractor when he has completed his work and is ready for Architect's inspection.

### 3.2 INSTALLATION:

- A. Install tile per TCA F113-90 sloping to floor drains, where applicable, in accordance with ANSI specification A-108.5. Install wall tile per TCAW202-90.
- B. Install tile in grid pattern with continuous and properly aligned joints in both directions.
- C. Install thresholds at all wall openings where quarry tile abuts other floor finishes.
  1. Maximum threshold height ½" for ADA requirements.
- D. Provide ⅛" joint where tile abuts doorframes or other items of dissimilar material; caulk the joints with caulking compound that matches grout.
- E. Space tile, on surfaces, to provide a cover to a minimum width of one-half tile.
- F. Cut tile with a masonry saw unless approval by the Architect is obtained for other cutting methods.

### 3.3 ADJUSTMENT AND CLEANING:

- A. Upon completion of the building, all finishes must be free of all mars, cracks, or other visible imperfections.

- B. Apply two-coats of floor sealer per manufacturers recommendations.

3.4 WARRANTY:

- A. This Contractor shall fully guarantee all materials and labor under this section for a period of one-year from date of final acceptance of the building against all defects in both workmanship and materials, and he shall promptly correct and/or replace such faulty work if so notified.
- B. Provide Owner with 24 extra pieces of tile and base.

END OF SECTION