

SECTION 07320 - CONCRETE ROOFING TILES (Southern Prototype Only)

PART I - GENERAL

1.01 DESCRIPTION

- A. Provide all labor materials and equipment required to complete roofing tile work, including flashing, fasteners, trim and all associated items.

1.02 QUALITY ASSURANCE

- A. Comply with ~~Uniform Building Code Chapter 32 and with ICBO report # 2656.~~International Building Code, Section 1507.
- B. The completed roof tile installation shall provide a Class A roofing system.
- C. Minimum roof pitch is 3:12.

1.03 SUBMITTALS

- A. Manufacturer installation instruction as noted below.

1.04 WARRANTY

- A. Provide manufacturers standard fifty-year (50) warranty. The installer shall provide a five (5) year workmanship and watertight warranty.

PART II - PRODUCTS

2.01 CONCRETE ROOFING TILES

- A. Provide extruded Portland cement tiles with through-color manufactured by Westile Roofing Products, Eagle Roofing products, Hanson Roofing Tile or Monier Inc.

~~Profile:~~ Westile products: Arizona plant; style; Sierra Mission-Slurry, color; "Harvest Blend"
California plant; style; Mission-Slurry, color; "Pecos"
Eagle Roofing Products: Style; Capistrano, color; #3314 "Mojave Shadows"
Hanson Roofing Tile; Florida Plant: style "~~Palena~~" "Hacienda", color; "Morocco"
Monier products: Florida plant; style; Barcelona 900, color; "Pinto Blend" #1HBSS0689.
- B. Roof Tile Accessories: Manufacturers standard circular ridge, hip and rake tiles, color to match roof tiles.
 - 1. Provide manufacturers standard bird stops, eave closures and nose ends, colors to match roof tiles.
 - 2. Provide other manufacturers standard roof system accessories as required to ensure a weather tight installation.
 - 3. Provide vents for clay tile roofs to provide vent area as required by local codes. MonierLifeTile Zephyr Vent or O'Hagen's, Inc. Vents for Clay Tile. Vents to match tile roof style and color.

2.02 MISCELLANEOUS MATERIALS

- A. Underlayment: Over solid sheathing, provide one layer of type 30 or type 43 asphalt saturated felt.

Over spaced sheathing, obtain and comply with manufacturer's written instruction. Submit one copy to Walgreens.
- B. Battens: Use nominal 1" x 2" wood battens where pitch exceeds 7:12.
- C. Flashing and Counterflashing: Copper or zinc coated steel. (See section 07600) in widths as required by roof tile manufacturer.
- D. Tile Fastening: 11 gauge (.023 mm), corrosion resistant, galvanized, copper or stainless steel, complying with local code requirements.
- E. Mortar and Plastic Cement: Use in strict compliance with roof tile manufacturers instructions.
 - 1. Mortar: Type "O" mortar complying with chapter 24 of the Uniform Building Code. Color to match roof tiles
 - 2. Plastic Cement: Heavy body (asphalt and mineral composition), complying with ASTM D-2822 and FS SSC-153 type 1.

PART III - EXECUTION

3 01 INSTALLATION

- A. Comply with tile manufacturer instructions.
- B. Sheathing shall properly support all roof system loads.
- C. Fasteners must penetrate sheathing 3/4" minimum.
- D. Lay field tile in a straight bond pattern.
- E. Completely seal areas under ridges and hips.
- F. Close open ends of all tiles at eaves.
- G. Trim bottom edge of pan and valley flashing to form drip and align with edge of fascia.
- H. Replace all broken, cracked, damaged and defective roofing tiles.

END OF SECTION