

1 General

1.1

This section covers the provision and installation of exterior architectural concrete tiles, with system metal sill and cap flashing, including sealant in joints between tiles and between this finish and adjoining materials.

1.2 RELATED SECTIONS

Section 06100 Rough Carpentry: Wood Framing and Sheathing.

1.3 QUALITY ASSURANCE

Employ an installer trained and approved by the tile manufacturer. Follow the manufacturer's recommendations and requirements in all aspects of the work.

1.4 CCMC EVALUATION

Canadian Construction Material Center Evaluation number 12886-R.

1.5 DESIGN

- Ensure that tile application substrate surfaces do not vary more than +/- 6mm in 2400 mm.
- Apply tile to exposed vertical surface only.

1.6 WARRANTY

25 year Limited Material Defect Warranty.

1.7 SHOP DRAWINGS

- Submit shop drawings in accordance with Section 01300
- Submit shop drawings showing all elevations, floor plans and locations where tile is applied. Clearly indicate dimensions, openings, joints and trim related work.

1.8 DELIVERY STORAGE

- Deliver materials in the manufacturer's original packaging with seals and labels intact. Prior to use, examine materials for damage. Do not use damaged materials.
- Protect materials from damage by weather or workmen.

2 Products

2.1 MANUFACTURER

Stonetile (Canada) Ltd.
4055 – 96th Avenue S.E.
Calgary, AB T2C 4T7
Phone: (403) 279-2214
Fax (403) 236-8979

2.2 MATERIALS

Stonetile: Cast concrete tile exterior cladding with two or more embedded galvanized interlocking fasteners that mechanically fasten to substrate.

2.3 COMPONENTS

1. Concrete Tile: 16 mm thick x 305 mm x 457 mm or 457 mm x 457 mm cast conc tile in (slate/heritage) tile. Color to be selected by architect.
2. Ornamentation: Standard reinforced precast conc perimeter opening trim or feature. Color to be selected by architect.
3. Base Row Channel: .05 mm prefabricated galvanized metal channel with perforations for ventilation.
4. Top Flashing Channel: .05 mm prefabricated galvanized metal channel that allows for ventilation.
5. Fasteners: #1 – 19 mm zinc plated steel Phillips wood screws.
6. Caulking: Tremco Dymonic

3 Execution

3.1 INSPECTION

1. Examine surface to receive tile to assure that they are within surface smoothness tolerances, and free from conditions that will adversely affect execution, or quality of work.
2. Install first row of the concrete tile in base row channel. Anchor tile to substrate at C.I.P. galvanized metal anchors in tow locations with zinc plated steel wood screws.
3. Install second and successive rows of concrete tile interfacing metal anchor tabs at bottom of tile with row below and fasten to wood substrate at top with two galvanized steel wood screws. Install field tile in running bond and corner tile in stack bond.
4. Maintain joints, true to line, tight fitting.
5. Install top finishing channel true to line in accordance with manufacturer's instruction.
6. Maintain air space continuity between back face of concrete tile and substrate, and at base row channel and top flashing channel for cavity ventilation and drainage.
7. Install ornamentation on perimeter openings or as feature to manufacturer's instruction.
8. Provide all components including drip and cap flashings, screws, and fasteners as required to complete installation.

End of section