

PART I – GENERAL**WORK SPECIFIED HEREIN**

- Furnish all labor, materials, tools and equipment required for completing ceramic tile work and related items indicated on the drawings and herein specified. **This is a Required Vendor.**

SUPPLIER

- Per a Required Vendor Agreement, all material in this section shall be purchased by the General Contractor. See Required Vendor List on Drawing A0.1 for additional account information.

SUBMITTALS

- Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.
- Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.

QUALITY ASSURANCE

- Source of materials: Provide materials obtained from one source for each type and color of tile, grout and setting materials.
- All ceramic tile shall be installed by a trained installer and approved by the product manufacturer.
- Work shall be executed and tested in accordance with current editions of ANSI A108 ("Installation of Ceramic Tile"), ANSI A118.4 ("Specifications for Latex-Portland Cement Mortar") and Terrazzo, Tile and Marble Association of Canada (TTMAC), "09300, Tile Specification Guide", and "Installation Manual"

PRODUCT HANDLING

- Deliver to job site and store packaged material in original containers with labels intact. Prevent damage to materials by water, freezing or other causes.

PROJECT CONDITIONS

- Maintain temperatures at not less than 10°C in tiled areas during installation and for 7 days after completion unless higher temperatures are required by manufacturer's instructions.
- Store all materials off the ground under watertight cover and away from sweating walls and other damp surfaces until ready for use. All rooms, subfloors, tiles and adhesives shall be maintained at a minimum temperature of 21°C for at least 48 hours before commencing work. Temperature shall be maintained during installation and for at least 48 hours after completion.
- Protect finished work installed by other trades prior to work under this section. Any work damaged by workmen of this trade shall be replaced without cost to the Owner.

- Vent temporary heaters (if required) to exterior to avoid carbon dioxide damage to new tilework.

EXTRA MATERIAL

- Provide one (1) unopened case of each type and color used.

PART II – PRODUCTS**MATERIALS**

- Glazed Wall Tile (CT-1): Furnished in a 152 mm (6") x 610 mm (24") size. Refer to materials and product schedule for additional information.
- Glazed Wall Tile (CT-3):): Furnished in a 305 mm (12") x 305 mm (12") size. Refer to materials and product schedule for additional information.

SETTING MATERIALS

- Sanded Acrylic Portland Cement Mortar: Premium Blend thin-set mortar consisting of portland cement, sand and acrylic mortar admixture. Refer to materials and product schedule for additional information.

GROUTING MATERIAL

- Sanded Portland Cement Grout: Standard epoxy grout. Refer to materials and product schedule for additional information.

SEALANT

- Floor to Base Sealant: Sikaflex acrylic sealant in a color to match grout color.
- Tile to Wall: Sikaflex

CLEANER

- Tile and Grout Cleaner: Tile & Grout Cleaner as recommended by tile manufacturer.
- Acid based cleaning products are prohibited.

SEALER

- Grout Sealer: Penetrating Grout Release Sealer, water based, as recommended by grout manufacturer.

PART III – EXECUTION**PREPARATION**

- Before tile installation begins, substrate surfaces shall not show variations in excess of 3 mm (1/8") in 2 440 mm (8 ft).
- Substrate shall be free of oils, waxes, sealers and other substances that will adversely affect tile work. Etch or roughen as necessary.
- Substrate shall be wet-mop clean and completely dry before installation of tile begins.

- Do not proceed in areas of discrepancy until substrates are properly repaired.

INSTALLATION OF TILE

- Concrete Base: All floor tile to be installed over a base material consisting of concrete shall be installed by the thin-set mortar bed method. Thin-set mortar shall be mixed thoroughly and applied in strict accordance with manufacturer's printed instruction. Minimum thickness of setting bed shall be 3 mm (1/8"). Install with best practice of the trade in accordance with the procedure set forth in the Installation Manual current edition, published by Terrazzo, Tile and Marble Association of Canada (TTMAC), "Installation Manual"
- Water proofing and anti-fracture membrane products shall be applied on concrete slab under the thin-set mortar.
- Lay tile with smooth transition to floor drains with no raised edges.
- Ceramic wall tile and base shall be installed per Terrazzo, Tile and Marble Association of Canada (TTMAC), "Installation Manual" for Dry Set Mortar.
- Grout: Force grout into joints, avoiding air traps or voids, strike or tool joints of tile to depth of cushion. Remove excess grout, check for gaps or air holes.

WORKMANSHIP

- Work: Performed by qualified workmen in a manner conforming to best current practice of the trade.
- Cut and drill where necessary, without marring tile. Grind and carefully joint any cut edges against other work.
- Remove loose mortar, laitance or materials detrimental to bond before applying setting beds.
- Carefully lay out work to ensure straight joints of uniform width. Avoid tile cut less than half size, unless specifically approved by Owner's Representative.

CLEANING AND PROTECTION

- At completion of installation, thoroughly clean all surfaces. Use of acid will not be permitted. Use clean water in initial cleaning. Remove all stains, mortar, etc.
- Before traffic is permitted over finished tile floors, cover with waterproof building paper with all joints taped.
- Remove crooked, broken or damaged tile; replace with new before completion of building.

END OF SECTION