

PART 1 – GENERAL

- 1.1
Range of work
- Non limitative list for works of this section.
1. Supplying and installation of granite floor, along the walls;
 2. Supplying and installation of granite tiles embedded in baseboards;
 3. Supplying and installation of granite slabs for the coronation of container plants.
- 1.2
Related works
1. Demolition and refurbishing..... Section 02 41 17E
 2. Gypsum panels..... Section 09 21 16E
 3. Flexible sheet lining Section 09 65 16E
 4. Carpet..... Section 09 68 00E
 5. Indoor living wall system..... Section 12 93 93E
- 1.3
Reference standards
1. Canadian Terrazzo Association (Association canadienne de terrazzo), tile and marble (ACTTM).
 1. Section 09 30 00 of Master Specification of TTMAC 2006/2007, Tile installation manual.
 2. Maintenance Guide 2000.
- 1.4
Samples
1. Submit samples as per requirements in Section 01 33 00E – Submittal procedures.
 2. For samples, submit two (2), 300 mm x300 mm (1'-0" x 1'-0") panels for each tile colour, texture, format and motifs.
 3. Place these samples on a plywood sheet 12,5 mm (½") thick and fill joints with grout to represent accurately considered implementation.
- 1.5
Replacement tiles
1. Provide replacement tiles as per section 01 78 00E – Project files and documents-elements to hand over at end of contract.
 2. Provide a quantity of replacement tiles representing at least 5% of total number for each type and colour necessary for work. Store them in indicated location.
 3. Replacement tiles must come from same production lot as those used.
- 1.6
Conditions for implementation
1. Maintain air and surface temperature above 12°C for 48 hours before and after installation of ceramic tiles.
- 1.7
Scheduling
1. Work carried out in two phases, see drawings limits.
 2. Scheduling, see section 01 32 18E and directive Ministerial representative.
 3. The place of work is within an occupied building.

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- 1.8
Guarantee
1. Provide a certificate of guarantee, signed and issued on behalf of the Ministerial representative, stating that all the works in this section are warranted against defects for a period of five (5) years from the date of signature of the certificate of provisional acceptance work. Comply with section 01 78 00E.

PART 2 – PRODUCTS

- 2.1
Tiles
- C1 Granite tiles:
Granite pattern, color, texture, borders and dimensions as the existing
1. Floor tiles 20 mm thick. minimum
 2. Tiles skirting 13mm thick. minimum
- (Subject to approval by the Ministerial representative)
- C2 Granite plates:
Granite pattern, color, texture, borders and dimensions as the existing
1. Plates: 20 mm thick. minimum in maximum useful length
- (Subject to approval by the Ministerial representative)
- 2.2
Membrane
- Only when necessary:
1. Waterproof membrane, polyethylene based, for vertical application, thickness 8 mils.
Reference model: Kerdi 200 from Schluter with all necessary system components.
- 2.3
Mouldings and accessories
1. Interior corner trims:
Non applicable
 2. Exterior corner trims:
Non applicable
 3. Trim for granite wall base: Identical to the existing retained
Reinstall granite wall base with an aluminum trim, regular profile.
Thickness to coordinate with existing tiles.
Reference product to validate on-site: Jolly from Schluter systems, clear anodized aluminum finish.
- 2.4
Adhesives
1. Adhesive : as recommended by ACTTM or adhesive cement as per ONGC 71-GP-30M standard, type 2, made of one part of liquid containing synthetic polymer resin and a powder made of Portland cement, aggregates and chemical ingredients mixed in recommended proportions by the manufacturer.

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2.5
Jointing

1. Jointing products – Dishroom: epoxy grout 100% solid fast grip, mold-resistant, following ANSI A1183 standard.

Reference product: Kerapoxy de Mapei.
2. Provide 1 identical color for grout, applicable for jointing of different tile types. Color identical to the existing choice by Ministerial representative following manufacturer standards.

PART 3 – WORK

3.1
Installation method

1. Coordinate the work of this section with installation of gypsum (section 09 21 16E) at the baseboard to embed the granite tile baseboard to the wall as the existing one.
2. Coordinate the work of this section with the installation of flexible sheet lining (section 09 65 16E) and the installation of carpet (section 09 68 00E) to change over to lay granite tile floor, as existing.
3. Coordinate the work of this section with the construction of the plant tray to lay the granite slabs coronation, as existing.
4. Install tile and granite slabs in accordance with section 09 30 00 of Master Specification of TTMAC 2006/2007, Tile installation manual.
5. Tiles are installed with the thin layer method, using required adhesive as per instructions from manufacturer for adhesive and what follows.
6. Install tiles on good, clean surfaces.
7. Observe patterns of granite and direct tiles and slabs as existing.
8. Adjust tiles at angles, around accessories, appliances, water drains and other built-in objects. Make uniform joints. Cut edges to form smooth and equal edges.
9. Maximum flatness admissible is 1:800.
10. Make uniform joints approximately 1,5 mm large so tiles are plumb, square and aligned and all in same plan. Ensure that one does not distinguish different tiles from the tiles in finished work. Align motifs.
11. Peripheral tiles (granite floor and baseboard) must be the same color, texture and same dimensions as the existing tiles preserved. Edges must be finished as also existing. Check the site and submit prior to identical products to pair with existing finishes adjacent preserved.
12. The new plates required to finish the crowning of the new plant tray must be of the same color, texture and sizes as the existing tiles preserved. Edges must be finished as also existing. The plates will be cut in maximum length useful, if possible seamless.
13. After installation, tap tiles and replace those sounding hollow in order to obtain a perfect adherence.
14. Wait at least 24 hours after tile installation to apply the grout, or follow the manufacturer instructions. For all dishroom walls and conveyor alcove, use epoxy type

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grout.

15. For all surfaces, use epoxy grout.
16. Once grout has cured, proceed to cleaning tile surfaces.

***** END *****