

**TECHNICAL SPECIFICATION 275
STAMPED CONCRETE SURFACES**

275.1 SCOPE OF WORK

This item shall consist of all work associated with furnishing and installing concrete stamped surfaces in accordance with these specifications, as detailed on the plans or as directed by the Engineer. This shall include all labor, materials, testing, submittals, tools, and equipment necessary to saw cut, excavate, prepare the base and install the stamped concrete surface to the lines and grades shown on the plans including any incidentals thereto.

275.2 MATERIALS

Base material shall be medium gradation processed aggregate base conforming to Technical Specification 210 – “Processed Aggregate Base”.

Concrete shall be Portland Cement Concrete conforming to Technical Specification 265 – “Portland Cement Concrete Sidewalks and Ramps”.

Concrete finish to be an Increte Systems stamped concrete decorative finish or an approved equal. The pattern, colors, and dimensions shall be as follows for the following surfaces:

- A. Crosswalks:
 - Pattern - Herringbone
 - Color - Brick Red
 - Dimensions - Brick Size 8"x4", Grout Line 3/4"-7/8"x3/8"
- B. Snowshelves:
 - Pattern - Running Bond Used Brick
 - Color - Brick Red
 - Dimensions - Brick Size 8"x4", Grout Line 3/4"-7/8"x3/8"
- C. Cul-de-sacs/Roundabouts:
 - Pattern - Running Cobblestone Granite (radial to the circle)
 - Color - Pewter
 - Dimensions - Brick Size 6"-8" x 4-1/2", Grout Line 1/2"-5/8"

The colors used shall be blended throughout the entire concrete mixture. The color shall not be applied to the surface only. Color hardeners on the stamped concrete surfaces shall be used as part of the installation. All materials used shall meet the applicable manufacturer's specifications and recommendations for an installation of this type.

Dowels and welded steel fabric shall conform to the requirements of Article M.06.01 of Form 817.

Joint sealer shall meet the requirements of Article M.03.08(1) of Form 817.

Expansion joint material shall be Korkpak, or approved equivalent.

275.3 SUBMITTALS

The following submittals shall be submitted to the Engineer for review and approval prior to installation:

- All pertinent manufacturers' information for stamped concrete systems shall be submitted to the Town for approval. This includes: engineering calculations, colors, patterns and locations of similar installations with names and phone numbers.

For Increte Systems product information, call:

INCRETE SYSTEMS

8509 Sunstate Street

P.O. Box 151103

Tampa, Florida 33634

(800) 752-4626

- Gradation test results for processed aggregate base
- Manufacturer's cut sheet for dowels and welded steel fabric
- Concrete specifications from supplier
- Manufacturer's cut sheet for joint sealer
- Manufacturer's cut sheet for expansion joint material

275.4 CONSTRUCTION METHODS

Construction methods for the installation shall conform to the following requirements:

1. Excavation, forms, concrete finishing, backfilling and removal of surplus materials shall meet the requirements of Technical Specification 105 – "Excavation, Placement, and Disposal of Surplus Material" and Technical Specification 265 – "Portland Cement Concrete Sidewalks and Ramps".
2. Work associated with the installation of the stamped concrete surfaces shall be performed by a trained and certified contractor for the product used. All work shall meet the manufacturer's specifications and recommendations for an installation of this type.
3. Reinforcing shall be installed free from dirt, oil, paint, grease, mill scale and loose or thick rust which could impair the bond of steel with the concrete.

4. Unless otherwise approved by the Engineer, crosswalks shall be constructed after completing paving of adjacent roadway bituminous concrete finish course. Only half of the length of the crosswalk may be constructed at one time to allow vehicular access for the roadway. Steel plates with bituminous concrete shims may be used to allow vehicular access.

275.5 MEASUREMENT

Measurement for this item will be based on the number of square feet of stamped concrete surface, completed and accepted.

275.6 PAYMENT

Payment for this item will be based on the unit price per Square Foot of Stamped Concrete surfaces constructed and accepted, including all labor, materials, testing, submittals, tools, and equipment necessary to complete the work as specified.

PAY UNIT	PAY ITEM
Stamped Concrete (Surface)	S.F.