**Access doors**

**PART 1 - GENERAL**

**1.01 SCOPE**

A. The work under this section includes removal and replacement of access doors for radiant heat manifolds as specified in the plans.

**1.02 SUBMITTALS**

A. Include dimensioned drawings, with material specifications for each size/configuration of panel.

B. Include products specification for grout used for installation.

**PART 2 – PRODUCTS**

1. Access panels shall meet the following specifications.
   1. Size shall be equal to or larger than existing panels. Larger panels shall be closets available size in product line.
   2. Slip resistant /Diamond Plated
   3. Aluminum
   4. Flush
   5. Hinged
   6. Load Rated for Vehicles (16,000# Wheel Load)

**PART 3 - EXECUTION**

**3.01 INSTALLATION**

A. Remove existing covers and frames.

B. Clean out concrete remnant and saw cut floor as needed to provide a uniform area for installation of new panel and frame.

C. Grout new frames into place using a pourable high grade, solvent free, 3-component epoxy resin composition.

a. Mechanical Properties of Grout-After 7 days at 23 Degrees Celsius

i. Compressive Strength: >12,000 psi

ii. Flexural Strength:>6000 psi

iii. Modulus of Elasticity 2,000,000 psi

iv. Adhesive Strength On Concrete >600 psi on Steel >1500 psi

b. Grout shall be resistant to Potable, sea and wastewater. Diluted acids and alkalis. Grease, Fuel and Mineral oils.

c. Grout shall have a minimum compressive strength of 12,000 psi at 20 Degrees Celsius after 7 days.