

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Elevated paver pedestal system for the following applications as indicated:
  - 1. Balconies.
  - 2. Plaza decks.
  - 3. Green roof decks.
  - 4. Protected membrane roof systems.
  - 5. Roof garden walkways.
  - 6. Access walkway to roof top mechanical equipment.
  - 7. Dry deck type water fountain.

## 1.02 RELATED SECTIONS

- A. Section 077616 - DECK PEDESTAL SYSTEM

## 1.03 SUBMITTALS

- A. Submit under provisions of Section 013300 - SUBMITTALS.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Compressive force calculation of supporting surface loading for anticipated paver dead load and application live load using scheduled pedestal size.
  - 2. Preparation instructions and recommendations.
  - 3. Storage and handling requirements and recommendations.
  - 4. Installation methods.

## 1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Design, production, distribution and service from a single entity whose primary product are paver pedestal systems.
- B. Installer Qualifications: Experienced installer of specified pedestal system for applications similar to Project requirements.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  - 1. Finish areas designated by Architect.
  - 2. Do not proceed with remaining work until workmanship is approved by Architect.
  - 3. Rework mock-up area as required to produce acceptable work.

## 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.

## 1.06 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

## 1.07 WARRANTY

- A. Provide manufacturer's standard 10-year warranty against material defects.

## PART 2 PRODUCTS

## 2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Westile, an Oldcastle Company, 5909 Baker Road, Suite 550, Minnetonka, MN 55345. Tel: (800) 433-8453
- B. Requests for substitutions will be considered in accordance with provisions of Section 016100 - BASIC PRODUCT REQUIREMENTS.

## 2.02 PRECAST CONCRETE PAVERS

- A. Pavers:
  - 1. Product: Classic Plaza Slab for installation on elevated support pedestals.
  - 2. Or approved equal.
- B. Properties:
  - 1. Dimensions: 24 inch x 24 inch x 1 7/8 inch nominal.
  - 2. Weight: 23 lbs. / sq. ft.
  - 3. Compressive Strength: 9,000 p.s.i.
  - 4. Water Absorption: Less than 5%.
  - 5. Flexural Strength: Minimum 725 p.s.i.
  - 6. Color: Color(s) shall be as selected by the Architect / Owner from manufacturer's full color range.

## PART 3 EXECUTION

## 3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

## 3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
  - 1. Confirm pedestal size selected does not exceed compressive strength of pedestal supporting substrate.

## 3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
  - 1. Horizontal Leveling:
    - a. On deck areas where a dead level paver surface is required, full shimming with leveling plates and multiple stacking of pedestals shall be utilized.
  - 2. Method:
    - a. On deck perimeter and around protrusions where it is not practical to cut pavers to fit (i.e. canted roof-wall junctures), coarse gravel with binder (if required) shall be used in voids.

- b. Following predetermined layout, locate first row of paver stones at an exterior edge of deck, using 1/2 pedestals at edges and 1/4 pedestals at corners and at partial angled paver locations.
- c. Place pedestals with projecting ribs facing upwards to ensure uniform paver stone joint spacing. Place pavers tight to spacer ribs to ensure even spacing.
- d. Place paver stones by lowering horizontally rather than nosing into position to eliminate possible indentation of substrate.
- e. Align and shim as required as work progresses. Vertical difference between pavers for walking surfaces shall not exceed 1/8 inch (3 mm).
- f. Run subsequent rows of pavers parallel to first row.
- g. Where multiple stacking of pedestals is employed, locate leveling plates on top of upper pedestal, never in-between or below pedestals.

#### 3.04 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

#### END OF SECTION