

## **SECTION 321440 - STONE PAVING**

### **PART 1 GENERAL**

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Stone pavers on mortar setting bed.
- B. Related Sections:
  - 1. Division 01: Administrative, procedural, and temporary work requirements.
  - 2. Section 079205 - Landscape Joint Sealants.

#### 1.2 REFERENCES

- A. Tile Council of North America (TCNA) - Handbook for Ceramic, Glass, and Stone Tile Installation.

#### 1.3 SUBMITTALS

- A. Submittals for Review:
  - 1. Samples:
    - a. Stone: 12 x 12 inch samples showing colors and surface textures.
    - b. Grout: 1/2 x 1/2 x 3 inch long samples showing available colors.

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 5 years experience in work of this Section.
- B. Obtain each stone from a single quarry and from the same area within the quarry.
- C. Mockups:
  - 1. Size: Minimum 4 x 8 feet.
  - 2. Show: Paver sizes, colors and surface textures, maximum color range, and paver pattern.
  - 3. Locate where directed.
  - 4. Approved mockups may remain as part of the Work.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Store stone off ground; prevent contact with materials that could cause staining or damage.

#### 1.6 PROJECT CONDITIONS

- A. Environmental Requirements: Do not install pavers at temperatures below 50 degrees F, during precipitation, or when such conditions are forecast within 48 hours after installation.
- B. At end of working day and during rainy weather, cover work exposed to weather with waterproof coverings, securely anchored.

### **PART 2 PRODUCTS**

#### 2.1 MATERIALS

- A. Stone Pavers: Refer to Materials Legend.

#### 2.2 ACCESSORIES

- A. Setting and Grouting Materials: Laticrete International ([www.laticrete.com](http://www.laticrete.com)) or approved substitute.
  - 1. Setting mortar: Laticrete 3701 Fortified Mortar.
  - 2. Bond coat: 254 Platinum.
  - 3. Grout: Permacolor Select; color to be selected from manufacturer's full color range.

- B. Joint Sealants and Accessories: Specified in Section 079205.
- C. Waterproofing:
  - 1. Type: ASTM C836/C836M, single component, modified polyurethane.
  - 2. Source: Tremproof 250 GC by Tremco ([www.tremco.com](http://www.tremco.com)) or approved substitute.
- D. Cleaner: Type recommended by stone supplier.

### **PART 3 EXECUTION**

#### **3.1 INSTALLATION**

- A. Install pavers in accordance with setting and grouting manufacturer's instructions and TCNA Handbook.
  - 1. Apply bond coat to concrete substrate.
  - 2. Apply setting mortar.
  - 3. Just prior to installing stone, apply bond coat to back of stone.
- B. Support pavers over full bearing surface.
- C. Place pavers in pattern indicated from straight reference line. Maintain 3/8 inch joints between pavers and abutting vertical surfaces and protrusions.
- D. Fill joints with grout. Pack and work into voids. Tool joints to flush profile.
- E. Fill expansion joints with joint sealant as specified in Section 079205.
- F. Where pavers abut lawns or planting beds, apply waterproofing to edge of pavers, setting bed, and concrete subbase. Follow manufacturer's instructions.
- G. Allowable Tolerances: Surfaces true to level or indicated slopes with plus or minus 1/4 inch in 10 feet tolerance.

#### **3.2 CLEANING**

- A. Protect adjacent and underlying surfaces and plant materials.
- B. Apply cleaner in accordance with manufacturer's instructions.
- C. Thoroughly rinse surfaces with clean water after completion of cleaning; remove all traces of cleaning solution.

END OF SECTION