

## **SECTION 014000 - QUALITY REQUIREMENTS**

### **PART 1 GENERAL**

#### **1.1 REFERENCES**

- A. For products or workmanship specified by reference to association, trade, or industry standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Should specified reference standards conflict with Contract Documents, request clarification from Landscape Architect before proceeding.
- C. Conform to edition of reference standard in effect as of date of Project Manual.
- D. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.

#### **1.2 QUALITY ASSURANCE AND CONTROL OF INSTALLATION**

- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Landscape Architect before proceeding.
- D. Comply with specified standards as a minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

#### **1.3 MOCKUPS**

- A. Definition:
  - 1. Mockups are field samples constructed, applied, or assembled at the project site for review by the Developer and Landscape Architect that illustrate materials, equipment, or workmanship.
  - 2. Approved mockups establish the standard of quality by which the Work will be judged.
- B. Construct, apply, or assemble specified items, with related attachment and anchorage devices, flashings, seals, and finishes.
- C. Perform work in accordance with applicable specifications sections.
- D. Erect at project site at location acceptable to Developer. Protect from damage.
- E. Removal:
  - 1. Mockups may remain as part of the Work only when so designated in individual specification sections.
  - 2. Do not remove mockups until removal is approved by Developer and Landscape Architect or upon Final Completion.
  - 3. Where mockup is not permitted to remain as part of the Work, clear area after removal of mockup has been approved by Developer and Landscape Architect.

#### 1.4 MANUFACTURERS' FIELD SERVICES AND REPORTS

- A. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, or startup of equipment, as applicable, and to initiate instructions when necessary.
- B. Individuals to report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.
- C. Submit electronically in Adobe PDF format within 10 days after each observation.

#### 1.5 DESIGN DATA AND CALCULATIONS

- A. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide design data and calculations.
- B. Accuracy of design data and calculations is the responsibility of the Contractor.
- C. When so specified, prepare design data and calculations under the direction of a professional engineer licensed in the state in which the Project is located. Affix engineer's seal to submittals.
- D. Submit electronically in Adobe PDF format.

#### 1.6 TEST REPORTS AND CERTIFICATIONS

- A. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide test reports and manufacturers' certifications.
- B. Indicate that material or Product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- C. Submittals may be recent or previous test results on material or Product, but must be acceptable to Developer and Landscape Architect.
- D. Submit electronically in Adobe PDF format.

#### 1.7 MANUFACTURER'S INSTALLATION INSTRUCTIONS

- A. When Contract Documents require that Products be installed in accordance with manufacturer's instructions:
  - 1. Submit manufacturer's most recent printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, as applicable.
    - a. Submit in quantities specified for Product Data.
    - b. Indicate special procedures, perimeter conditions requiring special attention, and special environmental criteria required for application or installation.
    - c. Identify conflicts between manufacturers' instructions and requirements of Contract Documents.
  - 2. Perform installation of Products to comply with requirements of manufacturer's instructions.
  - 3. If installation cannot be performed in accordance with manufacturer's instructions, notify Landscape Architect and await instructions.
  - 4. Submit electronically in Adobe PDF format.

### PART 2 PRODUCTS

Not used

### **PART 3 EXECUTION**

Not used

END OF SECTION