# SECTION 01610 - BASIC PRODUCT REQUIREMENTS

## PART 1 - GENERAL

### 1.1 REQUIREMENTS INCLUDED

A. Products.

B. Workmanship.

C. Manufacturer's Instructions.

D. Transportation and Handling.

E. Storage and Protection.

F. Contractor Options.

G. Material Source and Subcontractor Approval.

H. Substitutions.

### 1.2 RELATED REQUIREMENTS

A. Section 01120 - MULTIPLE CONTRACT SUMMARY

B. Section 01330 - SUBMITTAL PROCEDURES: Submittal of manufacturer's drawings, descriptive literature, samples and certificates.

C. Section 01420 - REFERENCE STANDARDS AND DEFINITIONS: Provision and identification of publication source for referenced standards.

D. Section 01740 - CLEANING: Manufacturer's recommendation and procedures for cleaning.

E. Section 01781 - WARRANTIES AND BONDS: Form and time of submission.

F. Section 01830 - OPERATION AND MAINTENANCE DATA: Demonstration and submission of instructions.

### 1.3 PRODUCTS

A. Products include material, equipment, and systems.

B. Comply with Specifications and referenced standards as minimum requirements.

C. Manufactured and fabricated components required to be supplied in quantity within a Specification section shall be of the same manufacturer, and shall be interchangeable.

D. When work of Project involves alteration and addition work, DO NOT use materials and equipment removed from existing structure, except as specifically allowed by notation or indication by Contract Documents.

1.4 WORKMANSHIP

A. Comply with industry standards when more restrictive tolerance or specified requirements indicate more rigid standards or more precise workmanship.

B. Perform work by persons qualified to produce workmanship of specified quality.

C. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration and racking.

1.5 MANUFACTURERS' INSTRUCTION

A. When work is specified to comply with manufacturer's printed instructions, obtain and distribute copies to persons involved, and maintain one set at job site in field office.

B. Perform work in accordance with manufacturer's instructions and specified requirements.

C. Should a conflict exist between Specifications and instructions, consult with Architect/Engineer and Construction Manager.

D. All materials must be installed by skilled mechanics in accordance with the best practices of the industry.

1.6 TRANSPORTATION AND HANDLING

A. Arrange deliveries of Products in accord pursuant to the Owner Sales Tax Recovery Plan with construction schedules, coordinate to avoid delay of progress, conflict with work and conditions at the site. Coordinate with the Construction Manager for the direct purchase of certain materials by the Owner.

B. Transport Products by methods to avoid Product damage; deliver in undamaged condition in manufacturer's unopened containers or packaging, dry.

C. Provide equipment and personnel to handle Product by methods to prevent soiling or damage.

D. Promptly inspect shipments to assure that Products comply with requirements, quantities are correct, and Products are undamaged.

E. Complete a “Contractor Acceptance of Owner Furnished Material” form for each delivery of the Owner purchased material.

1.7 STORAGE AND PROTECTION

A. Store Products in accordance with manufacturer's instructions, with seals and labels intact and legible.

B. Store sensitive Products in weather-tight enclosures; maintain within temperature and humidity ranges required by manufacturer's instructions.

C. For exterior storage of fabricated Products, place on sloped supports above ground. Cover Products subject to deterioration with impervious sheet covering; provide ventilation to avoid condensation.

D. Store loose granular materials on solid surfaces in a well-drained area; prevent mixing with foreign matter.

E. Arrange storage to provide access for inspection. Periodically inspect to assure Products are undamaged, and are maintained under required conditions.

F. After installation, provide coverings to protect Products from damage from traffic and construction operations, remove when no longer needed.

G. All contractors must coordinate and schedule the storage of materials in the laydown area and in the building with the Construction Manager.

1.8 CONTRACTORS OPTIONS

A. Products Specified By Reference Standards Or By Description Only: ANY PRODUCT meeting those standards.

B. Product Specified By Naming Several Manufacturers: Products of named manufacturers meeting specifications; NO OPTIONS, NO SUBSTITUTIONS.

C. Products Specified By Naming One Or More Manufacturers With "Or Equal": SUBMIT A REQUEST FOR SUBSTITUTION for any manufacturer not specifically named.

D. Products Specified By Naming Only One Manufacturer: NO OPTIONS; NO SUBSTITUTION allowed.

1.9 MATERIAL SOURCE AND SUBCONTRACTOR APPROVAL

A. Submit, on forms provided by the Construction Manager, the names and addresses of subcontractors, testing laboratories, and manufacturing sources of materials to be incorporated into or used on this project.

B. Tabulate products by Specifications section number, title and Article number.

C. These forms shall be properly completed and must be submitted to the Construction Manager within ten (10) calendar days after date of Contract.

D. The Architect/Construction Manager upon receipt of properly completed copies of the forms, will promptly review for approval or disapproval and subsequent distribution.

END OF SECTION