

SECTION 01 60 00 - PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 MATERIAL AND EQUIPMENT REQUIREMENTS

- A. Provide materials and equipment that are of good quality and new, unless otherwise specified, are free from faults and defects not inherent in the quality required, that conform with requirements of Contract Documents, that are suitable for use and function intended, that are corresponding in quality to related materials in the absence of a complete specification, that are of quality appearance where exposed to view, that are of one manufacturer or source for the same specific purpose, with uniform appearance and physical properties, and that are identical and interchangeable when required in quantity.
 - 1. Provide products complete with accessories, trim finish, fasteners, and other items needed for a complete installation for the indicated use and effect.
 - 2. Provide standard products if available, and unless custom products or non-standard options are specified, provide standard products of the types that have been produced and used successfully in similar situations on other projects.
 - 3. The Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.
 - 4. Where product is accompanied by term "as selected", Architect will make selection.
 - 5. Where products are accompanied by the term "match sample", sample is Architect's.
 - 6. Descriptive, performance, and reference standard requirements in the Specifications establish "salient characteristics" of products.
 - 7. Verify prior to bidding that all specified items would be available in time for installation to assure completion of Project within time required by Contract Documents.
 - 8. Costs for delays because of non-availability of specified items, when Contractor could have avoided such delays, will be borne by the Contractor.

1.3 PRODUCT COLOR, TEXTURE, AND PATTERN SELECTION

- A. When more than one manufacturer is specified, select product of a named manufacturer that complies with specified requirements. Submit colors, textures, and patterns from full range of available options, including custom colors, textures and patterns, if specified, for Architect's selection. All approved products of other manufacturers are accepted contingent upon availability of equivalent colors, textures, and patterns available for selection by Architect.
 - 1. When materials have a natural range of color, texture and pattern, submit required number of sets of ranges of color, texture, and pattern, including representative naturally occurring defects as appropriate, for Architect's review. All work fabricated and installed shall be within range of samples approved by Architect. In addition, Contractor shall select raw materials containing defects that are within limits of Architect's approved range of samples and distribute such materials throughout work so as to avoid patterns and concentrations of such defects.
 - 2. Do not fabricate, deliver, or install work requiring Architect's review for color, texture and pattern prior to Architect's review and selection.

1.4 SOURCE LIMITATIONS

- A. To fullest extent possible, provide products of same generic kind, from a single source, for each item of work. When it is discovered that specified products are available only from sources that do not or cannot produce an adequate quantity to permit completion of Project in a timely manner, request a determination by Architect of what product qualities are most important before proceeding. Architect will designate those qualities, such as visual, structural, durability, or compatibility that are most important. Upon receipt of Architect's determination, select products from sources producing products that possess those most important qualities.

1.5 MATERIAL AND PRODUCT OPTIONS

- A. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, product selected shall be compatible with products previously selected, even if previously selected products were also options.
 - 1. Each contractor is responsible for providing products and construction methods compatible with products and construction methods of other contractors.
 - 2. If a dispute arises between contractors over concurrently selectable but incompatible products, Architect will determine which products shall be used.
- B. Product Options:
 - 1. Materials and Products Specified by Reference Standards Only, or by Description Only: Any product meeting those standards.
 - 2. Materials and Products Specified by Naming One or More Manufacturers with Provision for Equivalent Products or by Listing Available Manufacturers Meeting Requirements: Contractor may submit a request for substitution for a product of another manufacturer not specifically named that offers a product complying with specified requirements.
 - 3. Materials and Products Specified by Naming Products of Several Manufacturers Meeting Specifications: Contractor may submit a request for substitution for a product of another manufacturer not specifically named that offers a product complying with specified requirements.
 - 4. Materials and Products Specified by Naming Only One Manufacturer With "No Substitutions" Provisions: No options, no substitutions allowed.

1.6 PROHIBITED MARKINGS

- A. Except for Code required labels, equipment nameplate data or other similar labels containing manufacturer's name, address, model number, capacity, and other rating information securely attached to each piece of equipment, the installation of any item, element or assembly, which bears on any exposed surface any name, trademark or other insignia which is intended to identify manufacturer, vendor, or other sources from which such object has been obtained, is prohibited.
- B. Also forbidden is the installation of any article that bears visible evidence that a name, trademark, or other insignia has been removed.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft, with seals and labels intact and legible. Comply with manufacturer's written instructions.

B. Delivery and Handling:

1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.
4. Inspect products on delivery to ensure compliance with the Contract Documents and to ensure that products are undamaged and properly protected.

C. Storage:

1. Store products to allow for inspection, and to verify quantity or counting of units.
2. Store materials in a manner that will not endanger Project structure.
3. Store products subject to damage by the elements, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation.
4. Store cementitious products and materials on elevated platforms.
5. Store foam plastic from exposure to sunlight, except to extent necessary for period of installation and concealment.
6. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
7. Protect stored products from damage and liquids from freezing.
8. Provide a secure location and enclosure at Project site for storage of materials and equipment by Owner's construction forces. Coordinate location with Owner.

1.8 PROJECT WARRANTIES

- A. Project Warranty for General Construction and Special Project warranties required by the various Sections of the Project Manual are in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents. Refer to Division 01 Section Closeout Procedures for additional requirements.

PART 2 - PRODUCTS AND PART 3 - EXECUTION

(NOT USED)

END OF SECTION 01 60 00