

SECTION 01 60 00
PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 INCLUDED WORK

- A. Section includes procedures and requirements for material and equipment.

1.2 PRODUCTS

- A. Material and equipment incorporated in the Work shall be new, unless otherwise specified or indicated; in a condition acceptable to the City; and suitable for the use intended.

- 1. Products may also include existing materials or components required for reuse.

- B. No material or equipment shall be used for any purpose other than that for which it is designed, specified, or indicated.

1.3 QUALITY ASSURANCE

- A. Include within Contractor's quality assurance program procedures for full protection of work and materials.

1.4 MANUFACTURER'S SERVICES

- A. Require material suppliers and product manufacturers to provide site representation on the request of the City for qualifying and verifying the use of their materials for the project purpose and conditions. Refer to Section 01 33 00 - Submittal Procedures for submittal requirements regarding manufacturer's instructions and certificates of satisfactory installation.

1.5 MANUFACTURERS' RECOMMENDATIONS

- A. Except as otherwise approved by the City, determine and comply with manufacturers' recommendations on product handling, storage, and protection.

1.6 DELIVERY

- A. Transport and handle products in accordance with manufacturer's instructions.
- B. Transport and deliver manufactured products, undamaged, in manufacturer's original, unbroken containers or packaging, clearly identified with manufacturer's name, product name, and instructions.
- C. Handle products to avoid soiling and damaging the products and their packaging.
- D. Immediately upon delivery, inspect shipments to assure compliance with the Contract Documents and reviewed submittals, and to verify that products are undamaged and properly protected from potential damage.
 - 1. Undamaged products shall be delivered to the project site in manufacturer's sealed containers or wrappings with legends and labels intact. Maintain packaged materials with seals unbroken and labels intact until time of use.

2. Promptly remove damaged material and unsuitable items from the job site, and promptly replace with material meeting the specified requirements at no increase in Contract Sum.
 3. Unsuitable materials and products not removed promptly from the job site by Contractor may be removed by the City. Removal costs shall be paid by Contractor.
 4. Identify materials and equipment delivered to the site to permit checking against Submittals and Shop Drawings.
- E. The City may reject as non-complying such material and products that do not bear identification satisfactory to the City as to manufacturer, grade, quality, and other pertinent information.

1.7 STORAGE

- A. Store materials and equipment at the site at Contractor's own risk. Because of location and visibility, on site storage shall be limited to materials and equipment currently being utilized or installed.
- B. Provide off-site storage and protection when site does not permit on-site storage or protection.
- C. Store and protect products in accordance with manufacturer's instructions, with seals and labels intact and legible.
- D. Store sensitive products in weather tight, climate controlled enclosures.
- E. Store fabricated products above the ground, on blocking or skids, to prevent soiling and staining of the products.
- F. Provide off-site storage and protection when site does not permit on-site storage or protection.
- G. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to avoid condensation or potential degradation of product.
- H. Store loose granular materials on solid flat surfaces in a well-drained area. Prevent mixing with foreign matter.
- I. Arrange storage to facilitate inspection of products. Periodically inspect stored products to assure that products are maintained under specified conditions and free from damage and deterioration.
- J. Store products subject to damage from the elements in weather tight enclosures, maintaining temperature and humidity within the ranges specified by the manufacturers.
- K. Provide coverings as necessary to protect installed products from damage from traffic and construction operations; remove coverings when no longer needed.
 1. Take care to use protective covering and blocking materials which do not soil, stain, or damage materials being protected.

1.8 HANDLING

- A. Use means necessary to protect the materials of this Section before, during and after installation and to protect the installed work and materials of other trades.
 1. Protect finished surfaces, including jambs and soffits of openings used as

- passageways, through which equipment and materials are handled.
- 2. Provide protection for finished floor surfaces in traffic areas prior to allowing equipment or material to be moved over such surfaces
- 3. Maintain finished surfaces clean, unmarred, and suitably protected until accepted by the City.

- B. Clean exposed materials at the time of acceptance of the installation for Substantial Completion.

1.9 REPAIRS AND REPLACEMENTS

- A. Promptly replace lost or damaged materials and equipment with replacements of like kind and quality or repair them at no additional cost to the City.
- B. Damage to any of the work and premises prior to acceptance by the City is the responsibility of Contractor. Should any new equipment become damaged, restore it to its original condition, and finish before final acceptance. Replace or repair damage to City property and to the work of other Divisions, caused by the work of this Division at the expense of, Contractor and to the City's satisfaction.
- C. Additional time required to secure replacements and to make repairs will not justify an extension in the contract time of completion.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION