

Section 01610

**BASIC PRODUCT REQUIREMENTS**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

1. Requirements for transportation, delivery, handling and storage of materials and equipment.

**1.02 PRODUCTS**

1. Products: Means material, equipment, or systems forming Work. Does not include machinery and equipment used for preparation, fabrication, conveying and erection of Work. Products may also include existing materials or components designated for reuse.
2. Do not reuse materials and equipment, designated to be removed, except as specified by Contract.
3. Provide equipment and components from fewest number of manufacturers as practical, in order to simplify spare parts inventory and allow for maximum interchangeability of components. For multiple components of same size, type or application, use same make and model of component throughout Project.

**1.03 TRANSPORTATION**

1. Make arrangements for transportation, delivery and handling of equipment and materials required for timely completion of Work.
2. Transport and handle products in accordance with instructions.
3. Consign and address shipping documents to proper party giving name of Project, street number and city. Shipments shall be delivered to Contractor.

**1.04 DELIVERY**

1. Arrange deliveries of products to accommodate short-term site completion schedules and in ample time to facilitate inspection prior to installation. Avoid deliveries that cause lengthy storage or overburden of limited storage space.
2. Coordinate deliveries to avoid conflict with Work and conditions at site and to accommodate following:
  - a. Work of other contractors or City

- b. Limitations of storage space.
  - c. Availability of equipment and personnel for handling products.
  - d. City's use of premises.
3. Have products delivered to site in manufacturer's original, unopened, labeled containers.
  4. Immediately upon delivery, inspect shipment to assure:
    - a. Product complies with requirements of Contract.
    - b. Quantities are correct.
    - c. Containers and packages are intact; labels are legible.
    - d. Products are properly protected and undamaged.

1.05 PRODUCT HANDLING

1. Coordinate off-loading of materials and equipment delivered to job site. If necessary to move stored materials and equipment during construction, relocate materials and equipment at no additional cost to City.
2. Provide equipment and personnel necessary to handle products, including those provided by City, by methods to prevent damage to products or packaging.
3. Provide additional protection during handling as necessary to prevent breaking, scraping, marring, or otherwise damaging products or surrounding areas.
4. Handle products by methods to prevent over bending or over stressing.
5. Lift heavy components only at designated lifting points.
6. Handle materials and equipment in accordance with manufacturer's recommendations.
7. Do not drop, roll, or skid products off delivery vehicles. Hand carry or use suitable materials handling equipment.

1.06 STORAGE OF MATERIAL

1. Store and protect materials in accordance with manufacturer's recommendations and requirements of these Specifications.
2. Make necessary provisions for safe storage of materials and equipment. Place loose soil materials, and materials to be incorporated into Work to prevent damage to any part of Work

or existing facilities and to maintain free access at all times to all parts of Work and to utility service company installations in vicinity of Work. Keep materials and equipment neatly and compactly stored in locations that will cause minimum inconvenience to other contractors, public travel, adjoining owners, tenants, and occupants. Arrange storage to provide easy access for inspection.

3. Restrict storage to areas available on construction site for storage of material and equipment as shown on Drawings or approved by City Engineer.
4. Provide off-site storage and protection when on-site storage is not adequate. Provide addresses of and access to off-site storage locations for inspection by City Engineer.
5. Do not use lawns, grass plots, or other private property for storage purposes without written permission of owner or other person in possession or control of premises.
6. Protect stored materials and equipment against loss or damage.
7. Store in manufacturer's unopened containers.
8. Neatly, safely, and compactly stack materials delivered and stored along line of Work to avoid inconvenience and damage to property owners and general public, and maintain at least 3 feet from fire hydrant. Keep public, private driveways and street crossings open.
9. Repair or replace damaged lawns, sidewalks, streets or other improvements to satisfaction of City Engineer. Total length which materials may be distributed along route of construction at one time is 1000 linear feet, unless otherwise approved in writing by City Engineer.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION