

Section 01610

**BASIC PRODUCT REQUIREMENTS**

**PART 1 GENERAL**

**1.01 SUMMARY**

This Section includes requirements for transportation, delivery, handling, and storage of Products including materials and equipment.

**1.02 – 1.06 NOT USED**

**1.07 SYSTEM DESCRIPTION**

**A. Products**

1. Products include material, equipment, or systems forming work. This 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. For material and equipment specifically indicated or specified to be reused in the work:
  - a. Use special care in removal, handling, storage and reinstallation, to assure proper function in completed work.
  - b. Arrange for transportation, storage and handling of products which require off site storage, restoration or renovation. Include costs for such work in Unit Price for related items.
3. When contract documents require that installation of work comply with manufacturer's printed instructions, obtain and distribute copies of such instructions to parties involved in installation, including two copies to Project Manager. Maintain one set of complete instructions at job site during installation until completion.
4. 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 the Project.

**1.08 DELIVERY, STORAGE, AND HANDLING**

**A. Transportation**

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

**B. 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
  - b. Limitations of storage space.
  - c. Availability of equipment and personnel for handling products.
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.

**C. Product Handling**

1. Coordinate off-loading of Products delivered to job site. If necessary to move stored materials and equipment during construction, relocate materials and equipment at no additional cost.
2. Provide equipment and personnel necessary to handle products 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 Products 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.

D. Storage of Products

1. Store and protect Products in accordance with manufacturer's recommendations and requirements of these Specifications.
2. Make necessary provisions for safe storage of Products. 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 Products 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 Products if shown on Plans or approved by Project Manager.
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 Project Manager.
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 Products against loss or damage.
7. Store in manufacturers' 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. Total length which Products may be distributed along route of construction at one time is 1,000 linear feet, unless otherwise approved in writing by Project Manager.

1.09 – 1.13 NOT USED

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION