

SECTION 016610

DELIVERY, STORAGE, AND HANDLING

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. This Section specifies the general requirements for the delivery handling, storage, and protection for all items required in the performance of the Work. Specific requirements, if there are any, are specified with the related item in subsequent sections.
- B. Maintaining and protecting products after installation and until Final Completion of the Work.

1.2 TRANSPORTATION AND DELIVERY

- A. Store and protect products immediately on delivery. Store products in accordance with Manufacturers' instructions, with seals and labels intact and legible.
- B. Store products subject to damage by elements in substantial weather tight enclosures.
 - 1. Maintain temperatures within ranges required by manufacturers' instructions.
 - 2. Provide humidity control for sensitive products as required by manufacturers' instructions.
 - 3. Store unpacked products on shelves, in bins, or in neat piles accessible for inspection.
- C. Exterior Storage:
 - 1. Provide substantial platforms, blocking, or skids to support fabricated products above ground and to prevent soiling or staining. Cover products subject to discoloration or deterioration from exposure to the elements (including but not limited to PVC pipe, valves, and fittings) with impervious sheet coverings. Provide adequate ventilation to avoid condensation.
 - 2. Piping, valves, fittings, and appurtenances shall be stored on pallets, blocking, or other supports above ground; do not place directly on the

ground surface. Store loose granular materials on solid surfaces such as paved areas or provide plywood or sheet materials to prevent mixing with foreign matter.

- a. Provide surface drainage to prevent flow or ponding of rainwater.
- b. Prevent mixing of refuse or chemically injurious materials or liquids.

- D. Arrange storage in a manner to provide easy access for inspection.
- E. Promptly inspect shipment to assure that products comply with requirements, quantities are correct, and items are undamaged. For items furnished by others, if any, perform inspection in the presence of the City. Notify City verbally and in writing of any problems.
- F. If any item has been damaged, the damage item shall be replaced at no additional cost to the City.

1.3 STORAGE AND PROTECTION

- A. Maintain periodic system of inspection of stored products on a scheduled basis to assure that:
 - 1. State of storage facilities is adequate to provide required conditions.
 - 2. Required environmental conditions are maintained on continuing basis.
 - 3. Surfaces of products exposed to elements are not adversely affected.
- B. All mechanical and electrical equipment and instruments subject to corrosive damage by the atmosphere if stored outdoors (even though covered by canvas) shall be stored in a weathertight building to prevent injury. The building may be a temporary structure on the Site or elsewhere, but it must be satisfactory to the City. Building shall be provided with adequate ventilation to prevent condensation. Maintain temperature and humidity within range required by manufacturer.
- C. All paint and other coating products shall be stored in areas protected from the weather. Follow all storage requirements set forth by the paint and coating manufacturers.

1.4 PROTECTION AFTER INSTALLATION

- A. Provide protection of installed products to prevent damage from subsequent operations. Remove protection when no longer needed, prior to completion of Work.

B. Control traffic to prevent damage to equipment and surfaces.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

END OF SECTION