

SECTION 01630
STORAGE AND PROTECTION

1.01 GENERAL

Equipment and materials used in the project shall be received inspected, unloaded handled, stored, maintained, and protected by the Contractor in a suitable location on or off site, if necessary, until such time as installation is required.

1.02 STORAGE

- A. The Contractor shall be responsible for providing satisfactory storage facilities which are acceptable to the ENGINEER. In the event that satisfactory facilities cannot be provided on site, bonded warehouse, acceptable to the ENGINEER, will be provided by the Contractor for such time until the equipment, materials, and products can be accommodated at the site.
- B. Materials and Equipment that are properly and securely stored: (1) on the project site, or (2) in a bonded warehouse in Hamilton County, TN will be eligible to be included on an application for payment. Original unaltered invoices from manufacturers and suppliers must be presented with the pay request, with no erasures, white-outs or other alterations. Payment will be authorized for no more than the amounts of the invoices (material, freights and taxes). The subcontractor shall submit his requests for payment to the General Contractor. The General Contractor will review and, if acceptable, will include the request on the monthly Application for Payment from the General Contractor to the Owner submitted through the Engineer for review and approval. Each request for payment which includes amounts for materials or equipment stored off-site in a bonded warehouse must have an original Certificate of Insurance attached to the request for payment stating on the face of the original Certificate of Insurance a description of the insured stored material, the name and address of the bonded warehouse and naming the General contractor, the Owner, and the Owner's Agents each as Certificate Holders, each as Additional Insureds and each as Loss Payee for the said material at the said location.

"Materials" and "Equipment" are defined as items which have been manufactured or fabricated to the point they are ready for delivery to the Project Site and ready for installation, but the Contractor has chosen for his own purposes to delay their delivery and installation.

For example: Such Materials and Equipment would include assembled cabinets and casework, but would not include unassembled panels and other components to be used in fabricating cabinets and casework; such Materials and Equipment would also include the structural and miscellaneous steel which has been punched, drilled, fitted and otherwise uniquely fabricated for this project, but would not include steel shapes which have not been through the fabricator's shop; such Materials and Equipment would not include lumber and plywood for the purpose of constructing formwork, but would include lumber and plywood to be incorporated as part of the building construction as framing and decking.

- C. The Contractor shall be responsible for the maintenance and protection of all equipment, materials, and products placed in storage and shall bear all costs of storage, preparation for transportation, transportation, rehandling, and preparation for installation.
- D. Equipment and products stored outdoors shall be supported above the ground on suitable wooden blocks or braces arranged to prevent excessive deflection or bending between supports. Items such as pipe, structural steel, and sheet construction products shall be stored with one end elevated to facilitate drainage.
- E. Unless otherwise permitted in writing by the ENGINEER, building products and materials such as cement, grout, plaster, gypsumboard, particleboard, resilient flooring, acoustical tile, paneling, finish lumber, insulation, wiring, etc. shall be stored indoors in a dry location. Building products such as rough lumber, plywood, concrete block, and structural tile may be stored outdoors under a properly secured waterproof covering.
- F. Tarps and other covering shall be supported above the stored equipment or materials on wooden strips to provide ventilation under the cover and minimize condensation. Tarps and covers shall be arranged to prevent pounding of water.

1.03 EXTENDED STORAGE

In the event that certain items of major equipment such as air compressors, pumps, and mechanical aerators have to be stored for an extended period of time, the Contractor shall provide satisfactory long-term storage facilities which are acceptable to the ENGINEER. The Contractor shall provide all special packaging, protection coverings, protective coatings, power, nitrogen purge, desiccants, lubricants and exercising necessary or recommended by the manufacturer to properly maintain and protect the equipment during the period of extended storage.

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