

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Definitions
- B. Transportation and Handling
- C. Storage and Protection
- D. Materials and Equipment
- E. Manufactured and Fabricated Products
- F. Preparation
- G. Installation
- H. Starting Systems

1.02 RELATED REQUIREMENTS SPECIFIED ELSEWHERE

- A. Make particular reference to the following Division One sections:
 - 1. Section 01410 -Testing Laboratory Services.
 - 2. Section 017540 -Warranties.

1.03 DEFINITIONS

- A. Definition of "Products":
 - 1. "Products" include new material, machinery, components, equipment, fixtures, and systems forming Work.
 - 2. "Products" do not include machinery and equipment used for preparation, fabrication, conveying and erection of Work.
 - 3. "Products" may also include existing materials or components required for reuse.
- B. Comply with Specifications and referenced standards as minimum requirements.
- C. Components required to be supplied in quantity within a Specification section shall be the same, and shall be interchangeable.
- D. Do not use materials and equipment removed from existing structure, except as specifically required, or allowed, by Contract Documents.

1.04 TRANSPORTATION AND HANDLING

- A. Coordinate product deliveries to avoid work schedule conflicts or delays.
- B. Transport and handle products in accordance with manufacturer's instructions.
- C. Deliver products undamaged, in manufacturer's original' containers, with labels intact and legible.
- D. Promptly inspect shipments to assure that products comply with requirements, quantities are correct, and products are undamaged.

- E. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage.

1.05 STORAGE AND PROTECTION

- A. Assume full responsibility for protection and safekeeping of products stored on premises.
- B. Store stockpiled materials in designated area.
- C. Store and protect products in accordance with manufacturer's instructions, with seals and labels intact and legible. Store sensitive products in weather-tight, climate controlled enclosures.
- D. For exterior storage of fabricated products, place on sloped supports, above ground.
- E. Provide off-site storage and protection when site does not permit on-site storage or protection.
- F. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to avoid condensation.
- G. Store loose granular materials on solid flat surfaces in well-drained area. Prevent mixing with foreign matter.
- H. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.
- I. Arrange storage of products to permit access for inspection. Periodically inspect to assure products are undamaged and are maintained under specified conditions.

PART 2 PRODUCTS

2.01 MATERIALS AND EQUIPMENT

- A. All materials and equipment shall be new (except existing items specifically designated for re-use) and free from defects impairing strength, durability, or appearances.
 - 1. When two or more items of same kind are required under work, use items of single manufacturer except where specifically exempted.
- B. All items incorporated into Work shall conform to Contract Documents and designated standards.

2.02 MANUFACTURED AND FABRICATED PRODUCTS

- A. Design, fabricate and assemble products in accordance with current best engineering, industry, and shop practices.
- B. Provide interchangeable components of same manufacturer, for similar components.
- C. Contract Documents are based upon specific manufacturers listed in various Specification sections. Alternate manufacturers may require deviations from Contract Documents to properly install their particular product and to provide required results.
 - 1. Provide all additional work necessary to install such products, if approved, at no extra charge to Owner.
 - 2. Submit Shop Drawings showing all deviations from Contract Documents for each specific item.

PART 3 EXECUTION

3.01 PREPARATION

- A. Examine existing conditions, Project requirements and Contract Documents. Verify that materials and equipment furnished meet specified requirements.

3.02 INSTALLATION

- A. Perform Work, handle, install, connect, clean, condition and adjust products in strict accordance with manufacturers' printed Instructions, and with Contract Document requirements.
- B. In case of conflict, Contract Documents shall govern. When in doubt, request clarification.
- C. All work to conform to recommendations of the Geotech report.

SAMPLE