

Section 01630**PRODUCT OPTIONS AND SUBSTITUTIONS****1.0 GENERAL****1.01 SECTION INCLUDES**

- A Options for making product or process selections.
- B Procedures for proposing equivalent construction products or processes, including pre-approved, and approved products or processes
- C References to Technical Specifications:
 - 1. Section 01350 – Submittals

1.02 SUBMITTALS

- A Make Submittals required by this and related Sections under the provisions of Section 01350 – Submittals.

1.03 DEFINITIONS

- A **Product:** Means, materials, equipment, or systems incorporated into the Work. Product does not include machinery and equipment used for production, fabrication, conveying, and erection of the Work. Products may also include existing materials or components designated for re-use.
- B **Process:** Any proprietary system or method for installing system components resulting in an integral, functioning part of the Work. For this Section, the word Product includes Processes.

1.04 SELECTION OPTIONS

- A **Pre-approved Products:** Products of certain manufacturers or suppliers are designated in the Technical Specifications as “pre-approved”. Products of other manufacturers or suppliers will not be acceptable under this Contract and will not be considered under the submittal process for approving alternate products.
- B **Approved Products:** Products of certain manufacturers or suppliers designated in the Technical Specifications followed by the words "or approved equal". Approval of alternate products not listed in the Technical Specifications may be obtained through provisions of this Section and Section 01350 – Submittals. The procedure for approval of alternate products is not applicable to Pre-approved Products.
- C **Product Compatibility:** To the maximum extent possible, provide products that are of the same type or function from a single manufacturer, make, or source. Where more than one choice is available as a Contractor's option, select a product which is compatible with other products already selected, specified, or in use by the Owner.

1.05 CONTRACTOR'S RESPONSIBILITY

- A Furnish information the Engineer deems necessary to judge equivalency of the alternate product.
- B Pay for laboratory testing as well as any other review or examination cost needed to establish the equivalency between products which enables the Engineer to make such a judgment.
- C If the Engineer determines that an alternate product is not equivalent to that named in the Technical Specifications, the Contractor shall furnish one of the specified products.

1.06 ENGINEER'S REVIEW

- A Alternate products may be used only if approved in writing by the Engineer. The Engineer's determination regarding acceptance of a proposed alternate product is final.
- B Alternate products will be accepted if the product is judged by the Engineer to be equivalent to the specified product or to offer substantial benefit to the Owner.
- C The Owner retains the right to accept any product deemed advantageous to the Owner, and similarly, to reject any product deemed not beneficial to the Owner.

1.07 SUBSTITUTION PROCEDURE

- A Collect and assemble technical information applicable to the proposed product to aid in determining equivalency as related to the Approved Product specified.
- B Submit a written request for a product to be considered as an alternate product along with the product information within fourteen (14) days after the Effective Date of the Agreement.
- C After the submittal period has expired, requests for alternate products will be considered only when a specified product becomes unavailable because of conditions beyond the Contractor's control.
- D Submit 5 copies of each request for alternate product approval. Include the following information:
 - 1. Complete data substantiating compliance of proposed substitution with Contract Documents.
 - 2. For products:
 - a. Product identification, including manufacturer's name and address.
 - b. Manufacturer's literature with product description, performance and test data, and reference standards.
 - c. Samples, as applicable.
 - d. Name and address of similar projects on which product was used and date of installation. Include the name of the Owner, Architect/Engineer, and installing contractor.

3. For construction methods:
 - a. Detailed description of proposed method.
 - b. Shop Drawings illustrating methods.
4. Itemized comparison of proposed substitution with product or method specified.
5. Data relating to changes in Construction Schedule
6. Relationship to separate contracts, if any.
7. Accurate cost data on proposed substitution in comparison with product or method specified.
8. Other information requested by the Engineer.

E Approved alternate products will be subject to the same review process as the specified product would have been for Shop Drawings, Product Data, and Samples.

2.0 PRODUCTS - Not Used

3.0 EXECUTION - Not Used

END OF SECTION