

SECTION 01340 - SHOP DRAWINGS, SAMPLES, AND PRODUCT DATA

PART 1 - GENERAL

1.1 MATERIALS

- A. Unless otherwise indicated on the Drawings or in the Specifications, only new material shall be incorporated in the Work. All materials furnished by the Contractor to be incorporated in the Work shall be subject to the inspection and approval of the Owner. No material shall be processed for, formulated for, or delivered to the Work without prior approval of the Owner.

1.2 SUBMISSION SCHEDULE

- A. Within five (5) days after the formal execution of the Contract, the Contractor shall submit to the Owner a Shop Drawing schedule including the names and addresses of the manufacturers and suppliers of all materials and equipment he proposes to incorporate into the Work. Where such names have been directly specified in the Bid or where substitutions have been made in compliance with the Contract Documents, repetitive submission will not be necessary.
- B. When Shop Drawings are required as specified, the names and addresses of the manufacturers and suppliers shall be submitted prior to the submittal of the Shop Drawings, so that the Owner may consider and approve or disapprove the manufacturer and/or the supplier as to his or their ability to furnish a product meeting the Specifications, subject to final approval of the particular material or equipment. As requested, the Contractor shall also submit data relating to the materials and equipment he proposes to incorporate into the Work, in sufficient detail to enable the Owner to identify the particular product in question and to form an opinion as to its conformity to the Contract requirements. Such data shall be submitted in a manner similar to that specified for Shop Drawings.

1.3 SAMPLES

- A. If the Owner so requires, either prior to beginning or during the progress of the work, the Contractor shall submit samples of materials for such special tests as may be necessary to demonstrate that they conform to the Specifications. Such samples shall be furnished, taken, stored, packed, and shipped as directed at the expense of the Contractor. The Owner shall make arrangements and pay for tests beyond that called for in the Specifications.
- B. The Contractor shall furnish to the Owner triplicate sworn copies of manufacturer's shop or mill tests (or reports from independent testing laboratories) relative to materials, performance, and test data for CPVC pipes and fittings.

1.4 SHOP DRAWINGS

- A. The Contractor shall submit for approval four (4) copies of Shop Drawings of materials fabricated especially for this Contract, and of equipment and materials for which such drawings are specifically requested. Two (2) copies will be returned to the Contractor.
- B. Submit Shop Drawings for the following:
 - 1. Tankless on-demand water heating system.
 - 2. CPVC pipe, fittings and valves
- C. Such drawings shall show the principal features, performance, brand, etc., depending on the subject of the Shop Drawings.
- D. When so specified, or if considered by the Owner to be acceptable; manufacturer's specifications, catalog data, descriptive matter, illustrations, etc., may be submitted for approval in place of Shop Drawings. In such cases, the requirements shall be as specified for Shop Drawings, insofar as applicable.
- E. The Contractor shall be responsible for the prompt submission of all Shop Drawings in accordance with the Shop Drawing schedule so that there shall be no delay to the Work due to the absence of such Drawings.
- F. No material shall be purchased or formulated especially for this Contract until the required Shop Drawings have been submitted and reviewed to ensure conformity to the Contract requirements. All materials and Work involved in the construction shall then be as represented by said Drawings.
- G. Only Shop Drawings that have been checked and corrected by the Manufacturer should be submitted to the Contractor by his Subcontractors and Vendors. Prior to submitting Shop Drawings to the Owner, the Contractor shall check thoroughly all such Drawings to satisfy himself that the subject matter thereof conforms to the Drawings and Specifications in all respects. Shop Drawings that are correct shall be marked with the date, checker's name, and indication of the Contractor's approval, and then shall be submitted to the Owner; other Drawings shall be returned for correction.
- H. The Owner's review of Shop Drawings will follow a general check made to ascertain conformance with the design concept and functional result of the Project and compliance with the information given in the Contract Documents. The Contractor shall be responsible for dimensions to be confirmed and correlated at the job site; for information that pertains solely to the formulation processes or to techniques of construction; and for coordination of the work of all trades.
- I. The Contractor shall make any corrections required by the Owner and shall return the required number of corrected copies of Shop Drawings and resubmit new samples until approved.
- J. At the time of each submission or resubmission, the Contractor shall direct specific attention, in writing, to deviations that the Shop Drawings or samples may have from the requirements of the Contract Documents or corrections required by the Owner on previous submissions.
- K. The Contractor's stamp of approval on Shop Drawings and samples shall constitute a representation to the Owner that the Contractor has either determined and verified all

quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or he assumes full responsibility for doing so, and that he has reviewed or coordinated each Shop Drawing and sample with the requirements of the Contract Documents.

- L. The Owner's approval of Shop Drawings and samples shall not relieve the Contractor from his responsibility for any deviations from the requirements of the Contract Documents, unless the owner has been notified, in writing, and has given his written approval to such deviation, nor shall any approval by the owner relieve the Contractor from his responsibility for errors and omissions in Shop Drawings.

1.5 RECORD DOCUMENTS

- A. The Contractor shall maintain one (1) record copy of all Specifications, Drawings, Addenda, Change orders, and Shop Drawings at the site. The Documents shall be kept in good order and annotated to show all changes made during the construction process.

The Contractor shall submit to the Owner, within ten (10) days after the completion of the Contract, one (1) set of blue line prints of the Drawings which have been marked "RECORD PRINTS" and shall contain all changes, additions, or deviations from the original set of Drawings that have been incorporated into the Work. Mark-ups shall be clear and easily identified.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION