

Section 01340

SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

PART 1 GENERAL

1.1 SECTION INCLUDES

1. Methods, schedule, and process followed for shop drawings, product data and sample submittals.

1.2 REQUIREMENT

1. Submit shop drawings, product data and samples as required by General Conditions and as designated in Specifications using procedures specified in Section 01330 - Submittal Procedures and requirements of this Section.
2. Shop drawings, product data and samples are not considered Contract Documents.
3. Registered Professional Engineer licensed by State of Texas must sign and seal design deviations from contract documents.

1.3 SHOP DRAWING/SUBMITTAL SCHEDULE

1. Submit separate Shop Drawing/Submittal schedule at same time Construction Schedule is submitted. List products, materials and equipment for which Shop Drawings and other submittals are required in the order in which they appear in Specifications. Include product data and sample submittals in schedule. Application for payment will not be processed until schedule of shop drawing submittals is approved by City Engineer.

1.4 SHOP DRAWINGS

1. Submit minimum of seven sets of Shop Drawings and product data in form and quality suitable for microfilming. Review and sign Shop Drawings indicating compliance with Contract.
2. Place Contractor's Stamp on each drawing as described in Section 01330 - Submittal Procedures.
3. Show the following accurately and distinctly:
 1. Field and erection dimensions
 2. Arrangement and section views

3. Relation to adjacent materials or structure, including complete information for making connections between work under this Contract and work under other contracts
 4. Types of materials and finishes
 5. Parts list and descriptions
 6. Assembly drawings of equipment components and accessories showing respective positions and relationships to complete equipment package
 7. Identify details by reference to drawing sheet and detail numbers, schedule or room numbers as shown on Contract Drawings where necessary for clarity.
4. Scale drawings to provide true representation of specific equipment or item furnished.
 5. Coordinate and submit components, necessary for City Engineer to adequately review submittal, as complete package. Reproduction of design drawings for use of shop drawings is not allowed.
 6. For major changes to original documents, submit CAD drawings.

1.05 PRODUCT DATA

1. Submit product data for review as required in Specification sections.
2. Place Contractor's Stamp, on each data item submitted, as described in Section 01330 - Submittal Procedures.
3. Mark each copy to identify applicable products, models, options to be used in this Project. Supplement manufacturers' standard data to provide information unique to this Project, where required by Specifications.
4. Give manufacturers, trade name, model or catalog designation and applicable reference standard for products specified only by reference standard.
5. Pre-approved and Pre-qualified Products.
 1. For "pre-approved", "pre-qualified" and "approved" products named in City standard products list, provide appropriate list designation as described in Section 01630 - Product Substitution Procedures within 30 days after Notice to Proceed.
 2. For products proposed as alternates to "approved@ products, provide information required to demonstrate proposed products meet level of quality and performance criteria of "approved@ product.

6. Submit revised data and samples for resubmittal in manner required for initial submission.

1.06 SAMPLES

1. Submit samples for review as required by Specifications. Have samples reviewed and signed by Registered Professional.
2. Place Contractor's Stamp on each sample or firmly attached sheet of paper, as described in Section 01330 - Submittal Procedures.
3. Submit number of samples specified in Specifications; one will be retained by City Engineer.
4. Reviewed samples that may be used in Work are identified in Specifications.
5. Provide mark up as identified in specifications.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION