

GUIDELINES CLARIFYING RELATIONSHIPS AND DESIGN ENGINEERING RESPONSIBILITIES BETWEEN PURCHASERS, ENGINEERS AND PIPE FABRICATOR OR PIPE FABRICATOR ERECTOR

Prepared by
Pipe Fabrication Institute Engineering Committee



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*Dedicated to Technical Advancements and Standardization in
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Since 1913*

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FOREWORD

The Pipe Fabrication Institute publishes these guidelines for the use and convenience of designers and consulting engineering firms, for pipe fabricators and fabricator erectors generally, and for the customers of each of them, in order to furnish some intelligent and practical observations concerning the ordinary and accepted responsibilities which are incurred by the design consultant and by the pipe fabricator or pipe fabricator erector in connection with large piping jobs.

It has been the aim of those responsible for this publication to furnish guidance to eliminate or reduce misunderstandings which have arisen in the industry due to lack of impartial definition concerning the area of responsibility which the participating groups assume on these jobs.

The guidelines will be of particular interest in situations where no contractual provision is made affecting these imprecise areas. It is possible that the guidelines might be used by contracting parties choosing to do so simply by making reference to them in the contract.

We recognize that no guides can possibly provide for every contingency, which might arise. For this reason the work has been directed toward the normal and usual situation, which from time to time confronts the designer and the fabricator or erector.

Obviously, use of the guidelines is left to the discretion and judgment of the contracting parties, but it is our belief that an impartial and objective guidepost will find quick support in the trade, will be welcomed by designers, fabricators, and erectors and appreciated, especially, by their customers.

GUIDELINES

1. GENERAL - BIDDING AND CONTRACTOR

- 1.1 Bid and contract documents shall specify the specific code or code sub-section applicable to the piping systems.

2. PIPING FABRICATOR/ERECTOR RESPONSIBILITY

- 2.1 Some major areas of responsibility of the Piping Fabricator or Erector encompass the following:

- 2.1.1 Furnish materials in compliance with Purchasers' specifications, standards, approved construction drawings and applicable code requirements.
- 2.1.2 Recommend alternate materials, fabricator or construction methods and procedures - which comply with applicable codes - whenever they provide advantages.
- 2.1.3 Prepare all fabrication sketches and details as required for fabricators' regular production procedures and furnish copies in reasonable quantities as required by Purchasers' Engineers for their review, approval and records.

- 2.1.4 Advise Purchasers' Engineers upon discovery of any conflict between their specifications and approved construction drawings and/or deviation from applicable codes, standards and any other condition, which may adversely affect the work.

- 2.1.5 Confirm accuracy and compliance of fabricated assemblies in accordance with Purchasers' approved construction drawings within the dimensional tolerances of the current PFI Standard ES-3, irrespective of reviews of fabricator's sketches by Purchasers' Engineers.

- 2.1.6 Provide the services of experienced technical personnel for performing shop and field non-destructive examination in conformance with Purchasers' requirements and code procedures.

- 2.1.7 Advise Purchasers' Engineers currently of any conditions of material procurement that adversely affect delivery and erection schedules and provide suggestions for available substitutes where feasible.

- 2.1.8 Comply with code and specification requirements applicable to fabrication and non-destructive examination including required data reports.