

GP 04-05-01	Steel Stacks	May 2005
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Steel Stacks

GP 04-05-01

Scope

- 1) [I] This Global Practice (GP) covers the design and, fabrication of steel stacks in non-condensing service. It covers only stacks subject to "low chemical load," as defined in ASME STS-1.
 - 2) [I] The requirements for flare stacks are not covered by this Practice.
 - 3) [I] An asterisk (*) indicates that additional information from the Owner's Engineer or that approval by the Owner's Engineer is required.
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1. Required References

[I] This Section lists Standards and Specifications that are referenced and assumed to be a part of this document. Unless otherwise specified herein, use the latest edition.

1.1. AISC–American Institute of Steel Construction

AISC S335	Specification for Structural Steel Buildings - Allowable Stress Design, Plastic Design-Supplement 1
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1.2. ASME–American Society of Mechanical Engineers

ASME STS-1	Steel Stacks
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* [I] Local codes and standards may be substituted for the ones referenced herein provided the following provisions are met.

- 1) The resultant design meets the safety and serviceability criteria attained through this Practice.
- 2) Substitution is accepted by the authorities where the facility is to be located and by the Owner's Engineer.

2. Additional References and Requirements

* [I] The following Practices shall be used with this GP as specified by Purchaser.

2.1. Global Practices–ExxonMobil Engineering Practices

GP 14-01-01	External Insulation
GP 19-01-01	Paint and Protective Coatings
GP 19-03-03	Linings for Fired Heaters

* [I] Local codes and standards may be substituted for the ones referenced herein provided the following provisions are met.

- 1) The resultant design meets the safety and serviceability criteria attained through this Practice.
- 2) Substitution is accepted by the authorities where the facility is to be located and by the Owner's Engineer.

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