

GP 04-06-01	Reinforced Concrete Foundations, Anchor Bolts and Grout	February 2002
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Reinforced Concrete Foundations, Anchor Bolts and Grout

GP 04-06-01

Scope

[I] This Global Practice (GP) covers the design of shallow foundations bearing on soils, anchor bolts in such foundations, and grouts for base of static structures and equipment.

[I] An asterisk (*) indicates that additional information from the Owner, or approval by the Owner is required.

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1. Required References

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

1.1. ACI–American Concrete Institute

ACI 318/318R	Building Code Requirements for Structural Concrete and Commentary
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1.2. AISC–American Institute of Steel Construction

AISC S335	Specification for Structural Steel Buildings Allowable Stress Design and Plastic Design with Commentary
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- 1) [I] Local codes and standards may be substituted for the ones referenced herein provided the following provisions are met:
 - a) The resultant design meets the safety and serviceability criteria attained through this Practice.
 - b) Substitution is accepted by the authorities where the facility is to be located and by the Owner's Engineer.

2. Additional References

- 1) [I] The following Standards shall be used with this Practice as applicable.

2.1. ACI–American Concrete Institute

ACI 349	Code Requirements for Nuclear Safety Related Concrete Structures
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2.2. ASTM–American Society for Testing and Materials

ASTM A 36/A 36M	Standard Specification for Carbon Structural Steel
ASTM A 193/A 193M	Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service
ASTM A 194/A 194M	Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both
ASTM A 307	Standard Specification for Carbon Steel Bolts and Studs, 60 000 psi Tensile Strength
ASTM A 325	Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength

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