

PREFACE

Written for civil design engineers, construction contractors and building/home owners, this Design Manual provides a design flowchart approach to maximizing the benefits of helical foundations for new structures.

Purpose:

This Manual gives step-by-step procedures for developing helical screw foundation designs specific to any project based on the site soils and structural/application loads.

Scope:

This Manual **does cover** how helical screw foundations address tension, compression and lateral concerns for new structures (residential, commercial and industrial) and utility towers.

This Manual **does not cover** other applications of helical screw anchors and foundations such as remedial foundation repair, earth retention methods (tiebacks and soil nailing), and guying. For details and references about these and other applications, please consult the Technical Library on the Chance® Civil Construction web site at www.abchance.com. You also may inquire by email, phone, fax or mail to the Company as listed on the Table of Contents.

Disclaimer:

The material presented in this manual is derived from generally accepted engineering practices. The suggested specifications are written as a guide to assist the specifier in design and writing his own specifications. The final design of any Helical Screw Foundation System requires knowledge specific to the soil properties and structural conditions for a particular site. The design of any Helical Screw Foundation System is the full and complete responsibility of the designer. Chance/Hubbell Power Systems assume no responsibility or liability for the adoption, revision, implementation, use or mis-use of these suggested specifications. Chance/Hubbell Power Systems sole responsibility shall be with respect to Chance products, and any such responsibility shall be subject to and limited by the Term & Conditions set forth in Chance's SCS Policy Sheet.