



“DESIGNED AND ENGINEERED TO PERFORM”

Design and Technical Service Manual

-- Eighth Edition --

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Preface

Earth Contract Products designs and manufactures quality foundations support products at competitive prices. The purpose of this manual is to assist the reader to prepare preliminary designs for project estimations and for ECP product selections that will most economically fit a given application. It was our goal to take the highly technical engineering theories and distill them into a user friendly format. We have reduced many complicated equations into simpler terms that relate to the most typical applications where our products have been used. The reader will find clear and simple explanations, data tables, and many examples in this manual. By taking theory and design one small step at a time, it is possible to arrive at surprisingly accurate preliminary designs using this manual. This manual is in no way intended to replace professional engineering input and judgment; in addition, we require incorporating a minimum factor of safety of 2.0 into each and every preliminary design. We highly recommend that you seek professional engineering input. We also consider it good practice to perform a field load test on any heavily loaded or critical application.

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Technical Design Assistance

Earth Contact Products, LLC. has a knowledgeable staff that stands ready to help you with understanding how to prepare preliminary designs, installation procedures, load testing, and documentation of each placement when using ECP Torque Anchors™. If you have questions or require engineering assistance in evaluating, designing, and/or specifying Earth Contact Products, please call us at 913 393-0007, Fax at 913 393-0008.