

## Another **CHANCE**® Solution...



**PROJECT:** INCREASED COLUMN CAPACITY  
**DESIGN ENGINEER:** A&G GROUP, INC. 140 MAFFITT ST, PLAINS PA  
**CERTIFIED INSTALLING CONTRACTOR:** TRADE EASTERN, INC.  
**APPLICATION:** HEAT RECOVERY & PRECIPITATOR EQUIPMENT SUPPORT



### **MILCO COMPANY, BLOOMSBURG PA**

The MILCO Company of Bloomsburg, PA ordered a 12-ft wide by 100-ft long specialty machine from Germany to dye rolls of cloth. The heat recovery equipment and precipitators for this machine were to be installed on a steel frame box above the factory roof and be supported by the existing factory interior columns. The column capacity had to be increased from 20 kips to 160 kips. Spread footings could not be used due to poor soil conditions and encroachments of other equipment. On-going production could not be shut down. A.B.Chance helical piers were selected to support the increased column loads due to their ability to be installed in a very limited space without disruption of the day to day production.

Trade Eastern Inc. (TEI) Architects, Engineers, and Builders were the general contractor on the project as well as the Chance certified installer. Preparation work included shoring of each column, excavation of an 8-ft by 8-ft by 5-ft deep pit under each column to be supported. TEI installed (4) four SS-175 helical piers at each column location. Minimum installation torque was 8,000 foot-pounds. Each helical pier had a design capacity of 40 kips and extended to depths ranging from 12 to 20-ft deep. TEI placed the required pile cap reinforcement and concrete then removed the column shoring after the concrete cured.

The MILCO project was a fast track project completed in less than 21 days in a low headroom environment of only 6 to 8 feet. Installation of the 24 SS-175 Chance helical piers required only (3) three days. The project was completed on-time and on budget to the complete satisfaction of TEI's client.