

# CHANCE<sup>®</sup>

# UNDERPINNING ANCHORING REPORT

## A CASE HISTORY

**Project:**

U.P.S. Building Addition  
West Valley City, UT

**Engineer:**

James Williams, J.M. Williams & Associates  
Salt Lake City, UT

**Anchor Contractor:**

D & B Drilling  
Wheat Ridge, CO

**Job Description:** United Parcel Service was planning to add onto their building in the Salt Lake City area. To meet seismic requirements, the footings were originally going to be oversized to handle the uplift loads. Instead, to lower the cost of the foundation, a conventional spread footing to handle the bearing load was used in conjunction with tension loaded, Chance screw anchors cast into the footing to provide 83 KIPS of uplift per anchor. Twelve SS175 anchors were installed from 25' to 35' into a dense sand layer lying under 15' to 20' of loose sand.



Type SS175 anchors were driven into the ground with a bed mounted digger truck.

Epoxy coated thread bar was connected to a thread bar adapter on the end of the screw anchor extension shaft. A square plate was double-nutted onto the thread bar and cast into the footing for uplift resistance.

