Resistance Piers – Residential Foundation

Lander, Wyoming

PROJECT SUMMARY

General Contractor:	Park Range Construction, Inc.
Engineer:	Western Engineering
Product Installed:	ECP Model 350 Galvanized 3-1/2" steel resistance piers
Avg. Depth / Working Load	42 lf / 50 kips

Park Range Construction was awarded a contract to underpin the existing foundation of a home in Lander, Wyoming.

Resistance piers are end-bearing piers which are hydraulically pushed to bedrock or verified load-bearing stratum. Park Range installed 44 ECP Galvanized 3-1/2" Resistance Piers up to 42 LF depth and 50 kips. Footings were chipped to allow the installation of underpinning brackets flush to the foundation. At pier locations, helical tie-downs were installed and attached to grade beams 4' high. The helicals provided additional resistance during pier installation and load testing. Once installed the resistance piers were filled with high strength grout and #6 threaded bar and load-tested. The home was then re-leveled using rams connected to a hydraulic manifold. In order to repair the walls, cracks were epoxy injected.

PARK RANGE
CONSTRUCTION, INC.
2755 South Raritan Street, Englewood, CO 80110
T: (303) 781-8936 F: (303) 781-8409
info@parkrangeconstruction.com
www.parkrangeconstruction.com