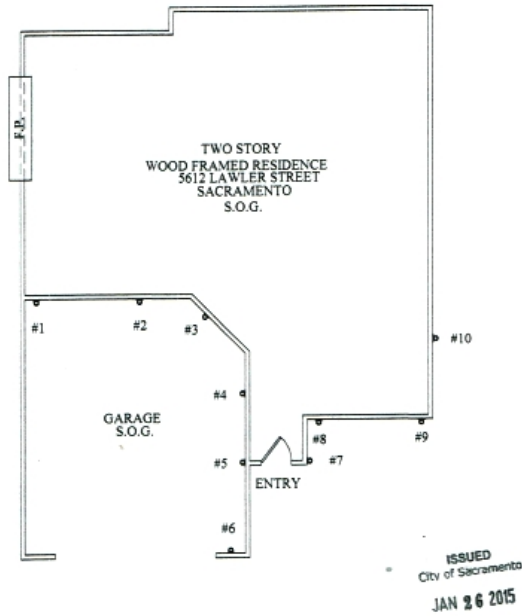


Case History

Bay Area UNDERPINNING



PLAN VIEW
SCALE 1/8" = 1'-0"

▼ = ECP MODEL 300 RESISTANCE PIER LOCATION
ENGINEER OF RECORD TO APPROVE ALL PIER DEPTHS, REFUSALS, LOCATIONS AND SUBMIT REPORT TO BUILDING OFFICIAL FOR FINAL INSPECTION

Ten ECP Steel Piers™ Stabilized and Recovered Lost Elevations on this Sacramento Home

Earth Contact Products' Steel Piers™ were used to stabilize and raise this wood framed residence constructed upon reinforced concrete footings. Ten ECP Steel Piers™ were mounted under the footings and driven to firm bearing. Each steel pier provided 18,000 pounds of additional foundation support to the structure.

ECP PPB 300-UF Steel Piers™ were recommended for installation on this structure to provide supplemental support and to recover lost elevation. The ECP Steel Pier™ system, with under the footing bracket, was installed at each location shown on the plan. Because this product offers rapid installation and each pier placement location requires only a small, hand dug excavation, there was minimal disruption to the owner's normal activities during construction.



At left two technicians prepare pier access holes #5 & #6 through the floor of the garage. Above left shows the neatly prepared access through the floor pier bracket #6 mounted under the footing. Above right demonstrates how the load is transferred after pier installation. Below are locations #5 & 6 after installation of the steel piers, slab repair and cleanup.

Project Summary			
Project:	Peterson Residential Restoration		
Installer:	Bay Area Underpinning - Vallejo, CA		
Product Installed:	ECP PPB-300 Steel Pier™		
Number of Placements:	10	Depth to Bearing:	23 feet
Ultimate Limit Capacity:	68,000 lb.	Recovered Elevation:	Up to 1 inch
Average Test Load:	33,000 lb.	Average Service Load:	18,000 lb.
Average Factor of Safety:	1.8 : 1 Test Load to Working Load 3.8 : 1 Ultimate Limit To Working Load		

