

## PROJECT DESCRIPTION

**PROJECT:** Home Depot Retail Store  
**LOCATION:** Jantzen Beach Shopping Center, Portland, Oregon  
**OWNER:** Home Depot  
**CONTRACTOR:** Birtcher Northwest



### DESCRIPTION:

- 1-Story with mezzanine
- Column loads between 50 to 100 kips (+/-)

The site is underlain by about 10' of clean fine sand, which is in turn underlain by a several foot thick layer of compressible flood plain deposits. Due to the proximity of the compressible soil layer to the bottoms of the planned footings, it was decided to control settlements by means of the Geopier® System. Rammed Aggregate Pier® (RAP) with heights ranging from 6' to 7' were installed beneath the perimeter walls and columns in order to increase the stiffness of the sand fill beneath the footings.

300 RAP elements were installed.

### REFERENCE:

Mr. Gavin O'Brien  
Birtcher Northwest  
(503) 286-9103