

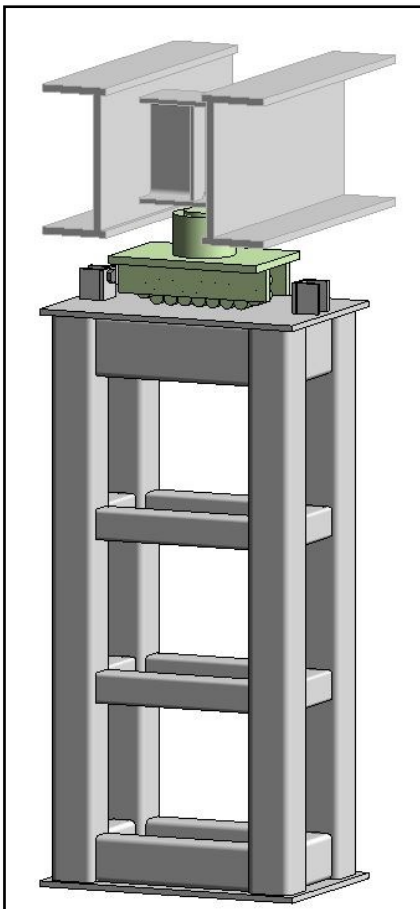
# Oregon Steel Furnace Jacking

Albany, Oregon

Facility Type:  
**Industrial**

Client:  
**H3O (Industrial Contractor)**

Pillar's Responsibilities:  
- **Design of solution for lifting and moving furnace**  
- **Analysis of Existing Frame for temporary support condition**  
- **Analysis of jack stands to support furnace**



This industrial contractor came to us with a unique problem: the 250-Ton/hour walking beam furnace had walked itself off of center and the owner wanted to lift and shift the furnace back to center. The furnace was estimated to weigh approximately 550 Tons. Jack stands were designed to be placed at strategic locations and the furnace frame was checked to distribute load from original bearing locations to the jack stand locations. Jack stands were designed and jacks were specified to support 75 tons each. Rollers were specified and horizontal jacking bolts designed to push the furnace back into place.

**STRUCTURAL | FACILITIES**

for more information contact John Evans, P.E. at 541-752-9202



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