



J.T. THORPE & SON, Inc.
Established 1906
ENGINEERS and CONTRACTORS

Copper Smelting Plant Furnace Rebuild Project

Description: For this project, JTT performed demolition services and refractory installation for the Flash Converting Furnace at a Copper Smelter. The scope included inventory of material, preparation of material for the outage, demolition of the working hearth, permanent hearth, side walls, end walls, furnace roof, reaction shaft roof, and lower portions of both the uptake shaft and reaction shaft. The refractory installation included bricking of the permanent and working hearth, side and end walls, bricking and hand packing of new coolers in the lower portions of the uptake and reaction shafts, installing a new three layer tap hole design, hanging roof brick in both the furnace roof and reaction shaft roof, and guniting an area of the upper portion of the reaction shaft.

Highlight: JTT performed pre-outage work including inventory and preparation of materials as well as demolition and furnace rebuild. JTT utilized Brokk machines and skid steer loaders throughout the demolition to keep safety as a number one priority. JTT was able to perform the installation successfully without a complete set of updated drawings.

