



Building a Cement Plant
Louie Vannatta, Project Manager
Bleigh Construction Co.

EFCO SUPPORTS INCREASING CEMENT MANUFACTURING

Hannibal, Missouri

Bleigh Construction Company, of Hannibal, Missouri is the contractor awarded the bid to build a foundation package for the existing Continental Cement site. The Continental Cement Company is the only supplier of Portland Cement in the Midwest and demand for concrete is reaching all new heights.

The first of the three structures is the Burner building. This structure requires two elevated slabs measuring 7,500 sq. ft. each. The first floor rose 17' above the base slab and the second measured 43' above the base. Slab thickness would range from 9" to 36" inches. Bleigh used the EFCO E-Z DECK® system to shore and form each slab. One of the unique challenges of this structure is that the location of varying beams ranging from 36" to 60" as well as voids in the slab created the need to shore over 25% of the upper slab from the base slab approximately 40' below the deck. **E-Z DECK towers were assembled at full height and moved into place.** The total weight of one level supported by the system equaled 1.75 million lbs.

“ *The EFCO PLATE GIRDER System is the only way to go for a wall of this size and thickness.* ”

J.T. Eastburn
Superintendent, Bleigh Construction

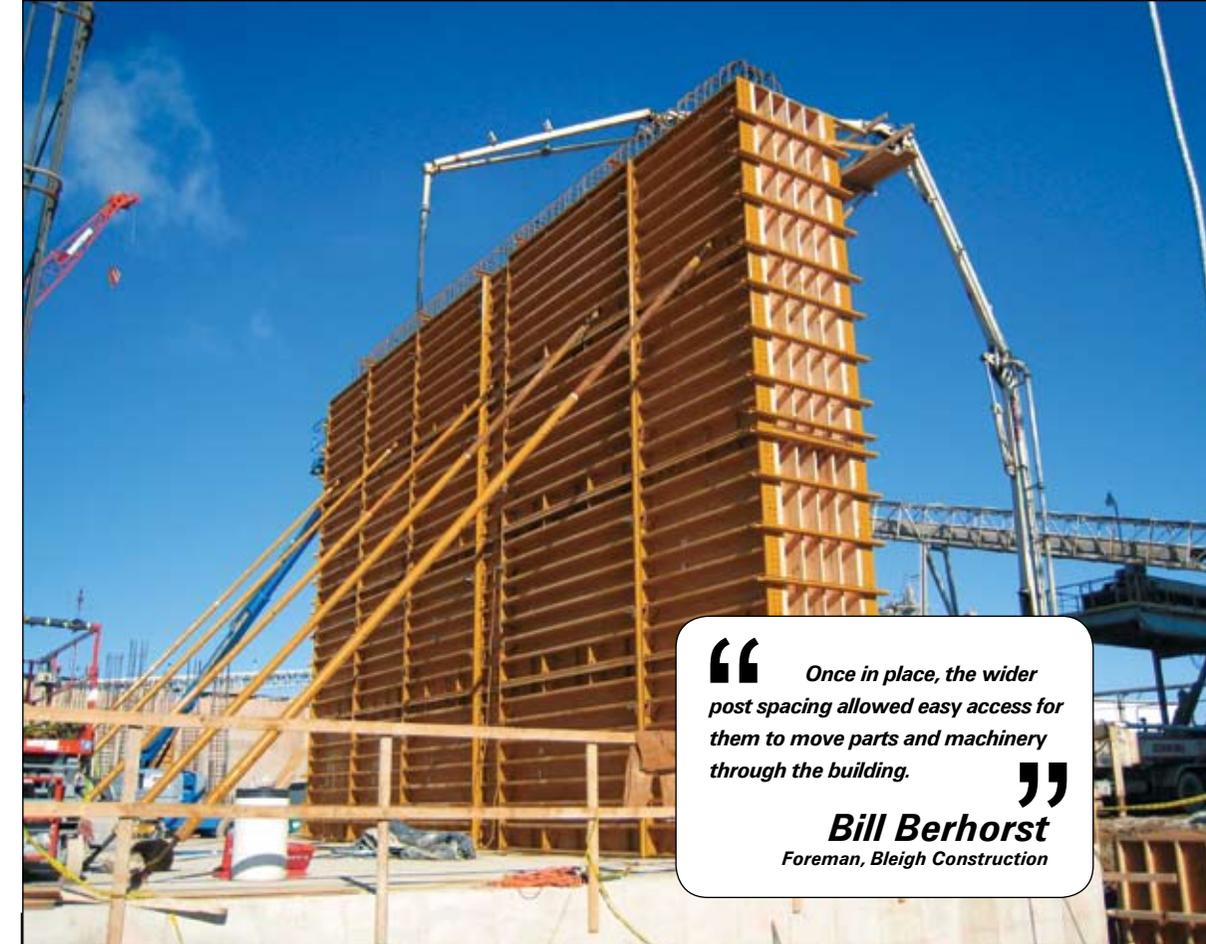
Bleigh also used the EFCO *PLATE GIRDER*® system to form 28 columns ranging in height between 14' and 24'.

EFCO provided Bleigh with a solution to form the two kiln piers the largest of which had two pier walls measuring 46' long by 32' tall and 4'-6" thick. These walls would later support a 8'-0" thick slab. The EFCO solution involved the *PLATE GIRDER* system to form one wall in two pours and then reconfigured to pour the smaller walls.

The EFCO *PLATE GIRDER* system used in conjunction with EFCO Combination Bias Corners formed the Raw Mill Grinding Foundation, a 18' tall octagonal structure containing over 660 cu. yds. of concrete.

Bleigh has used EFCO forms for many years, but this was their first time with the E-Z DECK system. Bill Berhorst, Foreman for Bleigh Construction had this to say about the E-Z DECK system. *“Installation of the E-Z DECK towers took half the time as compared to traditional steel frame scaffold systems.”*

Louie VannattaProject Manager
J.T. Eastburn Superintendent
Bill Berhorst Foreman
Julian Nixon..... EFCO Territory Manager
Toby Welch EFCO Engineer
Allen Mathes..... EFCO Field Supervisor



“ *Once in place, the wider post spacing allowed easy access for them to move parts and machinery through the building.* ”

Bill Berhorst
Foreman, Bleigh Construction



DECK
EZ
SYSTEM