

***MATOC FOR DESIGN/BUILD CONTRACTS FOR AIR FORCE
INSTALLATIONS, 8(A)
EAST OF THE MISSISSIPPI***

OWNER:

U.S. Army Corps of Engineers -
Philadelphia District

CONTACT:

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CONSTRUCTION COST:

\$40,000,000

COMPLETION DATE:

2011

The Hirani/Conti JV was selected to provide design/build services under a task order contract for Air Force installations.

Project scope includes commercial, institutional, and housing facilities as well as community development.

The Team was assigned to design and construct a 4 story building at a site surrounded by old buildings and poor sandy soil conditions.

Services included design of shoring using a combination of soldier piles with wood lagging, rakers, anchor thrust blocks, deadman piles, conventional underpinning, underpinning with anchors and rakers/struts, repairing existing rubble foundation, soil stabilization and repairing the existing damaged foundation. The design was modified on several occasions when site conditions were found to differ from what was originally anticipated.

Hirani also provided controlled inspections for excavation, pile driving, installation of a shoring system, welding operations, anchor thrust blocks, deadman piles, conventional underpinning, installation of anchors and rakers/struts, anchor test, repair of existing rubble foundation and stabilization of soil under the existing foundation. On site design was required due to poor building conditions and sandy soil. Performed vertical and horizontal monitoring of two buildings during underpinning.

