

FOUNDATION ENGINEERING

Burj Al Fardan (3B+G+M+31F+P)

Lusail Marina Com/13

COMMERCIAL - OFFICES • SECANT PILED WALL • ROTARY BORED PILES



Client

Al Fardan Properties Co.

Consultant

Arab Engineering Bureau

Main Contractor

NSCC International

Location

Doha, Qatar

Start Date

March 2015

Completion Date

September 2015

Project Details

Secant Piled Wall

Perimeter	: 423 m
Retained depth	: 14.25 m
Shoring piles	: 336 nos.
Pile details	: 1200 mm dia. @ 1250 mm c/c, 17.7 m long
Total length drilled	: 5,947 LM

Main Piles

900 mm dia.	: 168 nos., to a depth of 5.1 m
900 mm dia.	: 238 nos., to a depth of 4.1 m
1200 mm dia.	: 150 nos., to a depth of 8.2 m
1200 mm dia.	: 27 nos., to a depth of 17.6 m

Excavation volume : 158,285 m³

Concrete volume : 12,804 m³

Reinforcement steel : 1,691 tons