

FOUNDATION ENGINEERING

Al Sendian Tower (2B+G+27+P)

Lusail Marina District

COMMERCIAL - OFFICES • CONTIGUOUS PILED WALLS • ROTARY BORED PILES



Client

Sendian Group

Consultant

AEB Qatar

Main Contractor

Al Balagh Trading & Contracting

Location

Doha, Qatar

Start Date

October 2014

Completion Date

February 2015

Project Details

Contiguous Piled Wall

Perimeter	: 173 m
Retained height	: 9.8 m
Shoring piles	: 203 nos.
Pile details	: 750 mm dia. @ 850 mm c/c, 13.5 m long
Total length drilled	: 2,823 LM

Main Piles

900 mm dia. piles	: 22 nos., to a depth of 6 m
1200 mm dia. piles	: 117 nos., to a depth of 8 m
Static pile load tests	: 4 nos.
Non working load tests	: 4 nos.
Integrity tests	: 149 nos.
Sonic coring tests	: 15 nos.
Concrete volume	: 2,969 m ³
Reinforcement steel	: 280.62 tons
Excavation volume	: 38,986 m ³