

Aljuwn Tower

Danet Abu Dhabi Development

Air Port Road, Abu Dhabi, UAE

Owner: Al Odaid Real Estate / Alqudra Real Estate
 Design Engineer: Hannover Consulting Engineers
 Supervision Consultant: Prime Engineering Consultants
 Main Contractor: Lootah Building & Construction
 Completion Date: Jan 2011

PROJECT DESCRIPTION

The Project is located at Danet Abu Dhabi Development - Air Port Road, Abu Dhabi – Plot No. C36 – Sector E40 consists of 4 Basement, 2 Podiums, 18 stories and roof swimming pool. with elegant design to become one of the best Arch. Design at Abu Dhabi for the last few years.

The plot got two sides 62m & 80m adjacent to other neighbors plots while it has other 2 sides 48m & 51m towards existing roads.

Works was permitted and inspected by Abu Dhabi Municipality



SCOPE OF WORKS

Shoring System: Diaphragm Wall
 Shoring Quantity: 250 lm
 Bored Piles Diam.: 750, 1000 & 1200 mm
 Bored Piles Quantity: 6100 lm
 Bored Piles Depth: 24 m
 Excavation Depth: 18.7 m
 Excavation Quantity: 65,000 m³
 Other Works:
 -Bracing Struts
 -Piles Static Load Test up to 1800 ton



QUALITY CONTROL

All material inspected and certified by a third party lab and each delivery of ready mix concrete was inspected at site for its Temperature and Slump.

Shoring system was monitored during excavation at each 1.0 m depth to determine the exact deflection

3 Static Load Tests to 150% of working loads were carried out, Sonic Coring and Dynamic Loads Tests applied for 6 random working piles and all piles tested for integrity by applying low strain

