

AQEEL AHMED

Mechanical Engineer (Design/technical HVAC & Plumbing)

**Saudi Aramco Experience.**

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## Summary

Graduate in Mechanical Engineering with 6years of experience in Design, Estimation, Supervision & Implementation of HVAC, Plumbing & Fire Fighting system for villas, high rise towers, Commercial & Residential buildings in India & KSA, Well versed with the preparation of Shop drawings.

## Professional Experience (6Years):

A) Employer: **Azmeel Contracting & Construction Company (KSA)**. From 08/01/2013--till date  
Job Title: Mechanical Engineer. (Design/Technical)

### Projects:

1) National Guard Family Compound, Thuwal-Jeddah.

Project summary:

Client: **Saudi Aramco**

IFC by: **Jacobs Zate consulting Engineers** Al Khobar.

Front End Engineering Design (FEED) by: **Lecoco Architects and Engineers** Dubai.

Cost 1.3 Billion SR. The Lot Footprint is 72.5 Hectares and the total Built-up residential area is 170,000 m2, Composed of 448 units of Villas for Soldiers and 52 Villa for Officers. **(Precast)**

Following scope for Infrastructure:

- Storm water Drainage system, Sewage system and Domestic & Irrigation water system.

## Duties & Responsibility

### At design stage ----- From Aug 2014 to May 2015

- Review design (HVAC, Fire Fighting, Plumbing and LPG) submitted by the consultant (**Jacobs Zate**) and make sure that they are as per the latest codes.(UPC/IPC & Saudi Aramco Standards)
- Ensure that purposed designs are in compliance with the latest energy efficient design criteria.
- Propose alternative design solutions to render the projects viable and within allocated budget.
- Achieve a detailed understanding of the Contract documents (drawings and specifications).
- Validate design issues related to MEP and suggest alternative solutions.
- Analysis of engineering specification from the consultant.

### At Site office during construction ----- From May 2015 --- till date

- Prepare shop drawings (plumbing pipes embedded, openings for duct in panels and openings in slab for drainage pipes) to fabricate **precast panels and slabs**.
- Review shop drawings prepared by draftsman against the design [IFC] drawings for compliance with the Design intent.
- Coordination and administration of MEP related materials, systems and shop drawings submittals.
- Facilitate problem solving, as may arise, between MEP Subcontractors during construction.
- Assist in the installation of MEP work.
- Assist in the scope review, budgeting and justification of MEP change work order.

- Ensure that MEP Subcontractors provides and adheres to relevant Quality documentation/records.
- Advise the Manager for any technical aspects of the mechanical services that may affect construction progress, e.g. quality or snagging.
- Review mechanical shop drawing prepared by draftsman in conjunction with the structural and electrical engineers to ensure engineering co-ordination and advise the Manager accordingly.
- Review mechanical services material proposals against specified technical performance requirements and advise the Manager on the appropriateness of the proposals.
- Undertake prior review of Contractor's proposed mechanical system testing & commissioning methods and schedule.
- Attend project progress meetings.
- Attend the Project Manager's internal meetings.
- Preparing material take-off (MTO) from tender drawings as per specifications and international Standards.
- Prepare & submit material submittals for consultants/clients approval.
- Check and ensure co-ordination between discipline-related services works and all other disciplines
- Provide technical input and experience to resolve discipline-related engineering issues on the Project

## 2) Information Technology & Communication Complex-Phase-II, Riyadh-KSA, from Jan2013 to Aug2015

Project Summary:

Client: **Public Pension Agency**

Consultant: Consolidated consultants.

Cost 2.3 Billion SR, composed of 105 villas, 150 Apartments (6 floors each with basement and ground floor parking facility), Schools, mosques Commercial Complex, Sports Club and swimming pool. Has a facility of Automatic waste collection system (garbage chute), waste water recycling system and a district cooling plant with intermediate heat exchangers.

### **Duties & Responsibility**

- Preparing take offs based on shop drawing and to verify with bill of quantities to place order of material for execution of work.
- Erection/Installation of complete HVAC, Plumbing & Fire Fighting System.
- Supervise & commission the installations being executed at site promptly & efficiently by a team of skilled foremen & workers.
- Maintain open communication with the client discipline engineers on project related issues
- Coordinate the works to ensure successful project hand-over
- Prepare project reports (written and photographic) on progress of works, quality and technical conformance of the works, safety and other matters
- Attend technical and progress meetings with the client's representative
- Identify issues and risks that need to be brought to the attention of senior project management as necessary
- Actively manage the QA/QC project requirement with the related discipline
- Review as built and O&M manuals for completeness
- Primary point of contact for Project Team Leader and senior site personnel on project related issues
- Assist Quantity Surveyor in the assessment of contractor's claims for variation to contract
- Attend project engineering meetings
- Review the construction documents and coordinate with the other engineering disciplines

- Research, establish and document the regulatory and code requirements related to the project

B) Employer: **Dew Point HVAC System-Mumbai, India.**

Job Title: Mechanical Site Engineer Jun 2012-Nov 2012

Project: Omkar Mixed Towers Mumbai India.

C) Employer: **Quiet Cool Electronics Pvt. Ltd-Mumbai, India.**

Job Title: Mechanical Site Engineer Feb 2011-Jun 2012

Project: Bajaj Electrical Head Office Mumbai India.

### Education

- B.E in Mechanical Engineering in 2010 (India)
- Diploma in Mechanical Engineering in 2005 (India)

### Certification Diploma

- A Certified Diploma course in HVAC design & installation (India)

### Software's known

- AutoCAD
- Microsoft Office

### Personal Details

Name	:	Aqeel Ahmed
Father's Name	:	Abdul Salim Kamal
Iqama no	:	2338059484
Position in Iqama	:	<b>Project Engineer</b>
Date of Birth	:	28/06/1986
Marital status	:	Married
Nationality	:	Indian
KSA Driving License No	:	KSA/INDIA
Saudi Council of Engineers		
Membership No	:	<b>167261</b>
Passport No	:	H8497670

### Declaration

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the Responsibility for the correctness of the above mentioned particulars.

**AQEEL AHMED**