

CURRICULUM VITAE



ENGR. ANSAR RIAZ

Technical Office Engineer:

Nationality : Pakistani
Iqama Status : Mechanical Engineer (Approved Saudi Engineering Council)
Date of Birth : 26/04/1990
Current Working : El-Khereiji Commerce & Contracting Jeddah

Cell # +966 594344022

Email: Engr.ansar08@gmail.com

OBJECTIVE

Looking for a position as a Mechanical Engineer in a multinational organization where my engineering, managing and supervising skills will support to provide quality services and also a golden chance to explore my career in this field.

SUMMARY

I am a professional Mechanical Design Engineer able to work in all regular and cumbersome conditions where I am working as a Design Engineer in the field of construction (HVAC, Fire Fighting & Plumbing System). I perform my duties professionally with Excellent communicating, capabilities with all people of all job tiers also I support the field of Design & Executive work and high possibilities of communication with Project Manager & colleagues from all fields. I am working in residential, high rise building construction projects and other Engineering tasks such as Designing, planning, scheduling, estimating and costing. I'm working in Saudi Arabia since 2014 in Contracting company, working in Governmental projects with Ministries like (Ministry of Housing).

EDUCATIONAL QUALIFICATION:

B.Sc. Mechanical Engineering from Mirpur University of Science and Technology (MUST), Mirpur AJK Pakistan.

WORK EXPERIENCE:

COMPANY: El-Khereiji Company (Commerce & Contracting) Jeddah, KSA

Technical Office Engineer:

Duration: Since September 2017 to till date.

- Study of the tenders and specifications supplied by the consultant and Government departments.
- Preparation of Project Design Basis, Specification, BOQ and Technical Review of Vendor/Supplier bidding.
- Support Tender Department by Design review, prepare necessary V.E Studies and studies required for variation.
- Heat Load Calculation using **Carrier HAP 5.1**. Air Balancing as per **ASHRAE 62.1-2010** & DM Standard. Sizing of CHW piping, Refrigerant piping, and ducts. Head, Power calculation for Ventilation Fans and CHW pumps. Staircase Pressurization Calculation, Smoke Extract & Lobby Pressurization Calculation. CHW system Expansion Tank Sizing and submit it to the consultant for approval.
- Equipment Selection like Selection of Chiller, AHU's, FAHU's, FCU, Fans and CHW pumps etc. and submit it to the consultant for approval.
- Sprinklers system designing (dry and Wet pipe), by using **Elite** software, stand pipe and Hose pipe system design, Water demand Calculation, Fire Pump Capacity Calculation and selection as per **NFPA** and submit it to the consultant for approval and implement on shop drawings.
- Water Demand Calculation, Loading Unit Calculation, Pipe sizing for Cold & Hot water supply, Water Transfer Pump head & Booster pump sizing based on **IPC** Standard submit it to the consultant for approval and implement on shop drawings.
- External drainage designing, Internal drainage designing, Storm water designing and Preparation of Manhole Schedule based on **IPC** Standard submit it to the consultant for approval and implement on shop drawings.
- Revising and Preparing the mechanical shop drawings for HVAC, Plumbing and Fire Fighting systems as per project technical specifications, contract design

drawings and international codes in order to submit it to the project consultant for approval.

- Revising shop drawing for all mechanical areas (pump rooms, chiller rooms & AHU rooms) calculation verification for all equipment's as per equipment's submittal & preparing schematics and riser diagrams.
- Projects' study
- Taking off material
- Quantity Calculations
- Preparing as Built drawings
- Preparing technical submittal
- Quotations' analysis

PROJECT:

Deanship of Community Service Female Building – KAU Jeddah

Position: Mechanical Engineer

Duration: Since September 2016 to September 017

Responsibilities Handled:

- Preparing and reviewing material submittals as per approved vendor List and project Specification provided by KAU and submit it to the project consultant for approval.
- Preparation of Method Statement for all Mechanical Works (HVAC, Firefighting and Plumbing) before conducting any activity at Site & submit to consultant for approval.
- Material take-off & Material Request (MR) preparation for all HVAC components (Chillers, AHUs, FCUs, Ventilation Fans, Ducts, Dampers, Silencers, Diffusers/Grilles, Insulation, Louvres, Split AC units, Refrigeration pipes etc.), firefighting (piping, FHC, Fire Extinguisher, FM200 system, Aerosol fire suppression System, Sprinkler and Valves etc.) and plumbing (water supply and drainage piping, sanitary fixtures, Valves etc.)
- Responsible for Site Supervision, Quality Assurance and Quality Control of all Mechanical works (HVAC, Firefighting and Plumbing).
- Preparation of quantity take-off and variation orders.
- Responsible in reviewing technical specifications / project plans and documents

- Execution and monitoring of mechanical services work during structure construction.
- Confirming the material being delivered at site is approved one and from approved source/supplier as per KAU Vendor list and submit RMI to the consultant for approval.
- Responsible for execution of all mechanical work (HVAC, Firefighting & Plumbing). according to the latest approved revision of IFC drawings and instruction of Consultant as per International Standard (SMACNA, NFPA & UPC).
- Preparing Request for Inspection (RFI) and other preparations before conducting activity such as hydro test, gravity test for chilled water, firefighting, water supply and Drainage.
- Preparing Request for Inspection (RFI) and other preparations before conducting activity such as Light Test, Smoke Test and Visual Inspection for Insulation and Ducting Ensure that the installation of the Ducting complies with the requirements of the approved quality plan.
- Responsible for coordination of MEP work with adjoining packages.
- Discussing and solving complex problems with manufacturing departments, sub-contractors & suppliers.
- Attend weekly progress meeting, discussing and suggesting technical proposals and solutions for relevant technical issues.
- Providing guidance, direction, and assistance to technical / labor, working in related disciplines.
- Ensure proper utilization of material, manpower and equipment's at project site.
- Ensure that safety rules/regulations are communicated to the workforce and are fully enforced.
- Ensure health & safety concerns at Project Site.
- Time Management Distribution of the Manpower according to the planning.
- Preparation of the daily, Weekly and Monthly reports.
- Risk Management (Solve and Manage all the issues of the site).
- Respect and report Engineering Head (Project Manager / QC Manager / QS Manager / and to the General Manager).
- Maintain good relationships with subcontractors/vendors/clients.
- Get the solutions to reach the highest quality at the lowest cost.

- Cost estimation of the projects.

PROJECT:

King Abdul Aziz University Girls and Computer Labs Building Jeddah (B03)

Position: Site Engineer – Mechanical

Duration: May 2015 to August 2016

Responsibilities Handled:

- Responsible for execution of work according to the latest approved revision of drawings and instruction of authorized authorities.
- Responsible for execution of ducting for HVAC system according to the technical drawing and specifications (SMACNA Standard). Also, Execution of insulation and cladding for ducting.
- Installation of VAV system (in/out), Smoke Damper, VCD as per the requirement and provided by the drawing.
- Installation of diffuser, louver, registers, grill in proper place as per plan approved from consultant.
- Responsible for execution of Chilled water piping including valves (Butterfly valve, Strainer, Two-way valve, pressure reducing valve etc.) according to approved drawing from the Consultant.
- Responsible for Installation of AHU and chilled water Hookup connection according to the plan.
- Responsible for installation of Pressurized Fan, Toilet Exhaust Fan and Sky fan according to IFC Drawings.
- Responsible for execution of Firefighting sprinkler network (Dry & Wet Line) as per NFPA including installation of OS&Y Gate Valve with Tamper Switch, OS&Y supervisory Switch, check valve, Alarm Check valve with motor Gong, Backflow preventer and pressure Gauges.
- Installation of Fire Pump set, Standpipe System (Hose Reel & Landing Valves), Sprinkler System, External Fire Hydrants and Fire Department Connection, Fire Extinguishers, and Intergern System.
- Installation of different types of Sprinklers (Pendent, Wall Mounted and upright) as per NFPA.

- Responsible for installation of Centrifugal Pump for Chilled water, Fire pump, Submersible pump and water supply pump.
- Executing all types of Plumbing Works like Water Supply piping, Sewage/Drainage piping, Vent piping and Storm water piping as per UPC and IFC drawings.
- Installation of all types of sanitary fixtures as per approved plan.
- Confirming the material being delivered at site is approved one and from approved source/supplier as per KAU Vendor list and submit RMI to the consultant for approval.
- Preparing Request for Inspection (RFI) and other preparations before conducting activity such as hydro test, gravity test for chilled water, firefighting, water supply and Drainage.
- Preparing Request for Inspection (RFI) and other preparations before conducting activity such as Light Test, Smoke Test and Visual Inspection for Insulation and Ducting Ensure that the installation of the Ducting complies with the requirements of the approved quality plan.
- Responsible for Preparing B.O.Q for the projects.
- Checking the drawings and material submittal to confirm with specifications and codes.
- Responsible for coordination of MEP work with adjoining packages.
- Attend weekly progress meeting, discussing and suggesting technical proposals and solutions for relevant technical issues.
- Providing guidance, direction, and assistance to technical / labor, working in related disciplines.
- Ensure proper utilization of material, manpower and equipment's at project site.
- Ensure that safety rules/regulations are communicated to the workforce and are fully enforced.
- Ensure health & safety concerns at Project Site.
- Time Management Distribution of the Manpower according to the planning.
- Preparation of the daily, Weekly and Monthly reports.
- Risk Management (Solve and Manage all the issues of the site).
- Maintain good relationships with subcontractors/vendors/clients.

PROJECT:

Ministry of Housing Project (Onaizah, Al Qassim) K.S.A

Position: Site Engineer – Mechanical

Duration: May 2014 to April 2015

Responsibilities Handled:

- Ensure works are executed only by using approved materials and in accordance with the approved/issued for construction drawings, project specifications, local regulations, agreed procedures and approved method statements.
- Ensure progress and completion of every part of activities/work as per the construction program/short term look ahead programs/targets and also coordinating with building progress/requirement and clearances are available on time for follow on activities.
- Monitor and control all sub-contractors work closely to ensure quality of the work and also to ensure progress as per requirement
- Be proactive and coordinate with project engineers/project manager regarding drawings, material and manpower requirements at site.
- Ensure all information on drawings are conveyed to the workforce in a proper manner including training and details produced where required.
- Ensure proper utilization of material, manpower and equipment's at project site.
- Ensure that safety rules/regulations are communicated to the workforce and are fully enforced.
- Ensure health & safety concerns at Project Site.
- Any other duties and responsibilities assigned by project manager
- Testing and Commissioning of Plumbing Equipment's
- Performed preventive maintenance of all Plumbing Sanitary Fixture, Accessories & Booster Pump, Sewage Pumps, Sump Pumps & Condensate Drain Pumps.
- Preparing and reviewing shop drawings, as built Drawing & submit to consultant for approval.
- Cost management (Preparation of the Invoices).
- Preparing and verify BOQ as per giving drawings and specification.
- Preparation of the daily, Weekly and Monthly reports.
- Risk Management (Solve and Manage all the issues of the site).
- Participating in Group discussion with various other departments.

- Follow up with the supplier for delivering material on time.
- Checking & approving of Bill of Quantities, Drawings, Samples & Inspection of Executed Works (Site & Technical Office Engineer).
- Time Management Distribution of the Manpower according to the planning.
- Preparation of the daily, Weekly and Monthly reports.
- Risk Management (Solve and Manage all the issues of the site).
- Respect and report Engineering Heads (Project Managers / QC Managers / QS Manager / and to the General Manager).
- Maintain good relationships with subcontractors/vendors/clients.
- Get the solutions to reach the highest quality at the lowest cost.
- Cost estimation of the projects.

COMPANY: United Cool Service Islamabad Pakistan

PROJECT

Centaurus Mall Islamabad

Position: Mechanical Engineer

Duration: August 2012 to April 2014

Responsibilities Handled:

- Responsible for Installation of all types of HVAC linear ducts & risers including accessories like VAV, Fire Smoke Dampers, Manual & Motorized VCD, and Exhaust ducting etc. as per approved shop drawings & specs.
- Responsible for Installation of FCU, AHU and Cassette type unit as per plan provided by client.
- Responsible for execution of Chilled water piping including valves (Butterfly valve, Strainer, Two-way valve, pressure reducing valve etc.) according to approved drawing from the Consultant.
- Execution of diffuser, louver, registers, grill as per plan provided by Consultant.
- Cost management (Preparation of the Invoices).
- Preparation of the daily, Weekly and Monthly reports.
- Risk Management (Solve and Manage all the issues of the site).
- Participating in Group discussion with various other departments.
- Follow up with the supplier for delivering material on time.

- Time Management Distribution of the Manpower according to the planning.
- Preparation of the daily, Weekly and Monthly reports.
- Risk Management (Solve and Manage all the issues of the site).
- Maintain good relationships with subcontractors/vendors/clients.
- Get the solutions to reach the highest quality at the lowest cost.

Worked as a Trainee Engineer at Mangla Power Station Mirpur A.K During this job I have performed the following tasks:

- Fire Protection System
- Hydraulic Turbine & Generators
- Operation & Maintenance of Hydel Power Plant
- Drainage & Dewatering System

Computer Skills:

- Good command over using Microsoft Office Suite (MS Word, MS Excel, MS Power Point, MS Access)
- Auto CAD 2019
- Revit 2019
- Windows Xp, Windows 8, Windows 10
- Good command over using Internet.

Academic Distinctions:

- Registered Engineer of Saudi Council of Engineers. (SCE No: 196067)
- Registered Engineer of Pakistan Engineering Council Pakistan (PEC No: Mech/25561)

Language:

- English (proficient in speaking, reading & writing)
- Arabic (proficient in speaking & reading)
- Urdu (Native)

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.

Engr. Ansar Riaz

February, 2019