



SYED ABUTHAHEER. N



2 years experience in HVAC design and project



syedbe1994@gmail.com



B.E - Mechanical Engineer



00971547611547

B.E- MECHANICAL ENGINEER (HVAC DESIGN AND PROJECT)

Mechanical Engineer with 2 years of experience in HVAC design & project. Extensive knowledge and experience in HVAC systems design, drafting, installation, and commissioning.

OBJECTIVE

To evolve as an efficient, dynamic and productive person in the field of Engineering, so that my expertise, analytical and theoretical knowledge can be utilized and broadened.

SYNOPSIS

- Good communication skills summed up with splendid knowledge in the area of HVAC
- Self-motivated and ability to learn new concepts quickly for the organization
- Good understanding of the cost and scheduling constraints present in the fast track projects
- Determined and ability to face new challenges and new opportunities for a good outcome of the organization.

JOB PROFILE

- **Heating/Cooling Load Calculation** following Carrier E-20, ASHRAE/ISHRAE handbook & software, building survey and preparation of riser diagram for multi-storey buildings
- **Selection of indoor and outdoor units** according to calculated CFM and TR
- **Selection of diffuser**, grill and gauge of G.I sheet, calculation of no. of G.I sheets required, selection of AHU after static pressure calculation.
- **Calculation of duct sizes**, Design & Drafting of all types of split A/C and preparation of **duct layout with supply and return diffusers**, Duct grill, Slot Diffusers with flexible connections for multi-storey buildings
- Estimation Tendering & preparation of BOQ
- Pipe sizing for the chiller with complete valve and fittings, pipe size calculation for chilled water circuit to AHU, cooling tower, calculation of pipe dia. by considering friction loss, pipe sizing for VRV/VRF
- Completed design and selection of extract fans, centrifugal blowers, axial flow fans, duct in line fans
- Selection of chillers, pipe sizing calculations cooling tower, pump with **pump head calculation**
- **Installation, testing & commissioning of HVAC systems** (Air cooled/ Water cooled) for residential, commercial & industrial Buildings

WORK EXPERIENCE

HVAC Design & Site Engineer – **Star HVAC Systems** – Jun 2015 to May 2017

PROJECT SUMMARY

- Vel sokkanathan Marriage Hall, Pondichery- VRF(200 HP)
- Hotel Aaryas, Thindivanam- VRF (160HP)
- KSS Supermarket, Thindivanam- Ductable Split(100TR)
- MKN Hospital, Pondichery- VRF(120HP)

COMPUTER PROFICIENCY

- CAD Package - Autocad, Pro E
- MS Office - Word, Excel, Power Point
- Designing Software - McQuay Duct sizer, Carrier HAP V4.50

ACADEMIC QUALIFICATION

- **B.E - Mechanical Engineering – (2011-2015)**
ARJ College of Engineering Technology, Tamilnadu.
- Higher secondary from Government Higher School Tamilnadu- 2011.

RESPONSIBILITIES

- Handling all post order processing activities like design review, **Heating & cooling load calculation**, copper **pipe sizing for VRF system**, pipe routing, **pump head calculation**, duct sizing and airflow routing, placing of machines review and correcting
- Preparing detailed engineering drawings with all necessary sections, Plant room details, ducting, piping etc
- **Providing effective planning/scheduling functions on projects** in accordance with clients/company policies, procedures, specifications and project baseline
- **Prepare HVAC drawings** and submit to clients for approval
- Study the drawing and feasibility of installation
- Implement the safety norms
- Study the bar chart, monitor the progress of work and update
- Final measurement entry and passing bills
- Interacting with sub-contractors for pushing site activities, co-ordinating with installation crew of major Equipment like AHUs, Pumps and other components for smooth execution and completion of work on or before stipulated time schedule.
- Measurement of items erected at site, preparation of variation & approval
- Prepare project summary and reports

PERSONAL DETAILS

Name : Syed Abuthaheer
Date of birth and age : 04/06/1994, 23
Nationality : Indian
Marital status : Single
Passport No. : N6947137 (on visiting visa till 30.sep.2017)
Permanent address : Podakkudi (P),Thiruvarur(Dt) - 614103
Tamilnadu , India.. Mob :+919952783928.
Languages known : English, Tamil, Hindi.

DECLARATION

I hereby declare that the above particulars are true to the best of my knowledge and belief.

SYED ABUTHAHEER