

## **MOHAMED SADHIR .S**

**B. Tech in Mechanical Engineering.**

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### **OBJECTIVE**

To obtain a challenging and rewarding position in a growth oriented organization where my acquired skills and knowledge can be utilized in achieving organizational and personnel goals.

### **PROFESSIONAL EXPERIENCE**

#### **GRADUATE HVAC ENGINEER – CAPITOL ENGINEERING & CONSTRUCTIONS**

**July 2017 to December 2017**

##### **Project 1: G+2 Villa**

##### **Responsibility**

- Preparation of **Heat Load calculations** for **Design-Built Projects** using HAP.
- Understanding the Drawing, Specifications, BOQ, Contract Documents & scope of projects.
- Quantity takes off from the drawings - Drainage, Water supply, Ducts, Chilled Water pipes etc. and preparation of **BOQ**.
- Follow up with the supplier and respond to their queries to obtain quotation in proper time.

##### **Project 2: G+7 Commercial Building**

##### **Responsibility**

- Reviewing **Material submittals** and Shop drawings prior to the submission to the consultant.
- Coordinating with consultant for **material inspection**, **site inspection** and **processing the approvals**.
- Selection of the mechanical equipment (**FCU**, **CHILLERS**, and **PUMPS**), duct, diffuser, chilled water distribution to meet the requirements.
- Preparation of **Heat Load calculations**, **booster and transfer pump head calculations** for Design-Built Projects.
- Designing detailed **drainage and water supply systems** as per the tender document.
- Request for inspection (**RFI** initiation)
- Procuring the equipment / materials in the best rates meeting the specifications and quality

## TECHNICAL SKILLS

- Examined air conditioning systems for signs of defects or malfunction.
- Review and assist developing the HVAC shop drawings.
- Managing day to day site activities with team of technicians.
- Comply with engineering standards and practices.
- Selection of Split AC/ Window AC/ Package AC, VRF, Chiller, Ducting, Insulation.
- Reading the drawings to understand the layout of Plumbing and HVAC systems.

## SOFTWARE PROFICIENCY

- Design and Drafting Software's- **AUTOCAD**
- Estimation Software- **PLANSWIFT**
- **HAP, Duct sizer.**
- Microsoft Office

## ACADEMIC QUALIFICATION

- **B. Tech with First Class in Mechanical Engineering** from BS ABDUR RAHMAN CRESCENT UNIVERSITY, Chennai, India (2013-2017).
- **Diploma in Mechanical Building Construction (HVAC, PLUMBING, FIRE FIGHTING)** from **Capitol Professional Academy Pvt. Ltd.** Panavila, Trivandrum. (An ISO 9001-2015 Company Registered in Abu Dhabi, UAE)
- Trained for **Project Management, Constructional safety, Basic First Aid and Fire & safety** from Capitol Engineering and Constructions.

## PERSONAL DETAILS

- Date of Birth : 10-07-1995
- Nationality : Indian.
- Marital Status : Single.
- Languages : English, Tamil & Malayalam
- Passport Number : K8612538
- Driving License : Indian Driving License

## DECLARATION

I hereby declare that the above mentioned information is correct and complete to the best of my knowledge and I bear responsibility of the correctness of the above mentioned particulars.

Mohamed Sadhir S