

Holds a B. Sc. in Mechanical Power Engineering and has over 5 years hands-on experience in MEP systems design, Coordination, Technical support and Design optimization for Mechanical construction fields.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/09/1987
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Al-Azhar University, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D
: Revit MEP version 2015
: HAP (Thermal Load Estimation Software)
: Elite CHVAC
: Elite Duct Sizing
: Elite Fire
: Photoshop

TRAINING COURSES AND CERTIFICATIONS

: Revit MEP (ENGOSOFT Autodesk Certified Center) (Jun. 2015).
: HVAC system design at SMG Company for MEP Works.
: Plumbing system design at SMG Company for MEP Works.
: Summer trainings at:

- Misr for Spinning and Weaving Company (Al Mehalla Al Kobra).
- Egyptian Iron and Steel Company (Helwan).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2014 till now
- Employer** : Othman Saleh Al-Ghamdi Cont. Est., Dammam, Saudi Arabia
- Projects** :
 - P & C OF SECURITY FORCES IN RIC, R.C. Jubail 148-C01 Project (from Feb. 2017 till now)
 - Watania Further Process Plant, Al-Qassim, Saudi Arabia
 - Al Kahhal Optics Hospital, Al-Hassa, Saudi Arabia
 - Group Five Pipe Saudi Mill #5, 2nd Industrial City, Dammam, Saudi Arabia
 - Construction of Public Facilities - Men's Campus - Yanbu University College, Saudi Arabian Royal Commission
 - Arab Open University, Riyadh, Saudi Arabia
 - KIA Automotive Warehouse, Dammam, Saudi Arabia
 - Al Ansar Girls School, Dammam, Saudi Arabia
- Job title** : Technical Office Engineer
- Job Description** :
 - Define the scope of Mechanical Activities.
 - Preparation of quantity take off.
 - Design reviewing and confirmation that the design meets the standards.
 - Preparation of shop drawings and follow up site work implementation.
 - Perform Required calculations including:
 - Thermal load estimation.
 - External static pressure for air handling units.
 - Firefighting pump capacity.
 - Booster pump capacity.
 - Rain water drainage calculations.
 - Water tank capacity.
 - Staircase pressurization.
 - Justification of design concepts and select the most efficient and economical one.
 - Selection of Mechanical equipment and follow up the delivery schedule.
 - Preparation of material submittals and follow up material approval.
 - Site work supervision and troubleshooting.
 - Coordination between Mechanical Activities and other disciplines. e.g. (HVAC Duct, drainage, water supply, firefighting piping) and (beams, false ceiling level, etc.).
 - Develop the conflict between the Mechanical Ducting & piping and structural beams, cable trays and other activities.
- Dates** : From Oct. 2013 till Aug. 2014
- Employer** : Hussien Sabbour Consultatnt Bureau, Cairo, Egypt
- Projects** :
 - Borg El-Arab Court (Alexandria, Egypt)
 - Al-Ahly Club Squash Hall (Cairo, Egypt)
 - Sumoha Court (Alexandria, Egypt)
 - PEASERA Hotel (Ain Sokhna, Suez, Egypt)
 - Veterinary Products Factory (Vaccine Factory) (6th October City, Egypt)
- Job title** : Design Engineer
- Job Description** :
 - Thermal load calculation.
 - HVAC equipment selection.
 - Ducting system distribution and sizing.

- Selection of air outlets.
- Chilled water piping distribution and sizing.
- VRF system selection.
- Firefighting system design including (type of hazard determination, sprinkler system distribution, stand pipe system design and distribution, clean agent system design and determination of pump capacity).

Dates : From Apr. 2012 till Sep. 2013
Employer : Al Beeah Consulting Office. Cairo, Egypt
Project : King Faisal Specialist Hospital and Research Center
Job title : Design Engineer
Job Description :

- Drainage system design.
- Water supply system design.

Field of experience :

- Adequate knowledge of the relevant codes and standards (e.g. ASHRAE, NFPA, SMACNA, IPC, ASPE, UPC), General Design Criteria and Technical Guidelines, drawings and specifications.
- Familiar with all related software such as AutoCAD, HAP, Elite CHVAC, Elite Duct Size, Elite Fire and Pipe flow software.
- Extensive knowledge of design procedures, reviewing, preparing shop drawings and submittals.
- Implement methods and solutions for complex engineering problems and select the most efficient and economical manner to meet design objectives.
- Provide field support, as necessary during construction phases.
- Preparation of material submittals to meet the guideline specifications.