

MENA M. YOUSSEF

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OBJECTIVE: Obtaining a responsible position in the **Engineering** field where I will be able to utilize my educational background and experience.

SUMMARY OF SKILLS:

- Experienced **Mechanical/Structural engineering** drafter with practical AutoCAD drafting and design skills.
- Proficient in both manual and computerized design and drafting using AutoCAD, R. 2002.,2006.
- Skilled in a few functional areas including **Design and Drafting** of industrial mechanical equipment.
- Experienced in Mechanical Technology, Testing & Evaluation, Quality Assurance Troubleshooting & Repair, Specifications Compliance, Documents, Reports, etc.
- Performed various **HVAC** Mechanical Engineering calculations.
- Energetic, industrious personality able to work under pressure.
- A quick learner, proven capacity to rapidly master information and technical skills.
- Computer skills: Windows, MS Office Suite (Word, Excel, PowerPoint), AutoCAD, Internet

TRAINING/CERTIFICATE:

- 2009** *professional certificate in HVAC systems design New York University -scps*
2008 *ASME Membership Number: 100015142 / ASHRAE Student membership ID: 8130259*
2007 *EIT Exam - New York State. (Pass)*
2006 *American Training Center, Inc., Forest Hills, NY*
Advanced Training in AutoCAD for Engineering Professionals

EXPERIENCE:

1/2007-present **RJE Telecom, LLC, Brewster, NY**
Facilities inspector, verizon facilities

Project: Contract # SE 777: construction of water main and sewers on North Rail Road, Staten Island, NY
Contract # RED360: construction of 72" water main and sewer on Clove Road, Staten Island, NY

- Maintain inspection records; prepare reports and sketches for use by administrative authorities.
- Reviewed blue prints to answer technical questions. Evaluated scope and duration of work requests to produce legal agreements.
- Interact with construction and mechanical trades, and engineers to assure adherence to improved plans, standards, and specifications, also performed field survey.

4/2003-11/2006 **Contrack's Washington, DC Corporation, Contrack- Orascom j.v. Egypt**
Mechanical Engineer/ Drafter

Project: Main operating base upgrade for Fayed Air Base

- Prepared mechanical shop drawings and layouts for machine parts and components to be repaired.
- Read and interpreted blueprints; modified Mechanical drawings of existing car units, and changed parameters.
- Developed specifications for assembly drawings; determined most cost effective method of repair.
- Provided periodic maintenance, diagnostics, and repair services to maintain heavy equipment in excellent working order including loaders, graders, compactors, backhoe, bulldozers, and performed complete engine overhauls.

9/2001 – 2/2003 **EL-Tabien Power Station, Water Treatment Pumping Station, Egypt**
Assistant Engineer

Project: Reconstruction of the Waste Water Treatment Pumping Station - Design Capacity: 12000 ft³/hr

- Designed Raw Water Intakes, Raw Water Pump Control, and Pump Discharge units.
- Provided detailed drawings and layouts; produced preliminary and final plans and profiles for the treatment facility.
- Operation and maintenance of mobile and stationary power plant equipment from 3 KW to 45KW.
- Strong knowledge of boilers, generators, turbine, condensers, pumps, compressors, and process controls

EDUCATION:

2001 **Minia Polytechnic University, Egypt**
BS in Mechanical Engineering

ATTENTION: Willing to Relocate Any Time