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Position Applied: **MEPCAD Coordinator/Senior Draftsman**

Key Computer Skills: Autocad MEP 2014, Autocad 3D Modelling&Solidworks Basic

Other Computer Skills : MS Office Excel, Word, Visio, MSProject, Power Point

Special Skill : Local Area Networking & IT Support

Work Experience : Dec. 2007 – July 2013

TAS Energy (Turbine Air System ME LLC)

Position: **Mechanical/Electrical Draftsman**

Works Involve: **Mechanical Services :**

1. Directly reporting to the Engineering Manager for a new proposal of District Cooling Plant, Turbine Inlet Cooling Plant and Geothermal Power Plants.
2. Gather all information such as chiller template, cooling tower template, pumps and air separators and other major equipment needed on the layout.
3. Ask and consult for the plot size and its corresponding coordinates to make sure the plant is conceptually oriented thru its true North grid especially on the large scale projects.
4. Sketch and draft conceptual architectural and structural general arrangement layout of the district cooling plant and super-imposed the MEP Services.
5. Sketch and draft offices, toilets, pantries showing the interior furniture of the plant.
6. Prepare conceptual cooling tower steel support and incorporate those at the GA layout.
7. Ask and consult for the CHW pipe sizes, CW pipe sizes and other pipes for the balance of plants.
8. Make sure correct pipe fittings, valves, strainers and connector and reflect those at the GA.
9. Superimpose electrical general arrangement on the mechanical GA to make sure clashes and spacing are maintain.
10. Prepare the over-all process and flow diagram (PFD) by reflecting the designed temperature and flow rate.
11. Prepare over-all P&ID schematic and reflect sizes of pipes, valves, strainers and connectors.
12. Draft the over-all control system topology schematic by showing the PLC, industrial switches, fiber optic patch panel and cable requirement such as CAT 5 and coaxial and other interface needed for the entire control system.
13. Reflect those at the GA the location and mark for cable routing requirements.
14. Itemized CHW pipes, CW Pipes and other pipes and prepare a spreadsheet reflecting the quantity and length for pricing purposes.
15. Coordinate pipes with overhead cable ladders and trays to avoid clashes.
16. Inform the Engineering Manager if problems has been encountered during the coordination of services.
17. Prepare elevation, sections & details as required.
18. Prepare and draft conceptual foundation of major equipment of a Geothermal Plant in Turkey such as vaporizers, condensers, pre heater, feed pumps, silencers and Gas Turbine Generators and lube oil skid using the suppliers equipment dimensions.
19. Drafts sections and details and plan of the foundation for structural analysis and update those drawings as per the result.

 **Electrical Services:**

1. Prepare Over-all system Single Line Diagram, consultand ask Sr. Electrical Engineer all the necessary information to be incorporated in the schematic.
2. Sketch & Draft General Arrangement Layout base on Single switchgear, LV switchgear, Transformer and RMU to make the working space conform with the local requirements such as DEWA, SEWA and Qarama in Qatar Standards.
3. Figure out the possible dimensions of cable and ladders and trenches by looking external dimensions of XLPE/Cu using catalogs such as Ducab.
4. Taking into consideration the minimum bending and right spacing for cable arrangement and incorporate those at the general arrangement drawing.
5. Prepare and calculate the conceptual sizes of circuit breakers, cables and earth cables.
6. Prepare Lighting and small power layout, emergency lighting and fire alarm system layout to be incorporated in the general arrangement layout for coordination with other services.
7. Prepare standardized Single Line Diagram for the standard chiller module plant, district cooling plant for commercial purposes and revised as per client requirements.
8. Prepare sections and details as per requirements.

Work Experience: May 2005 – Dec. 2007

A & P Paraskevaides and Partners LLC

Mechanical, Electrical and Plumbing Contractor

Projects Taken : Dubai Festival City Zone 8B, AC-79

Intercontinental Hotel, Crowne Plaza and Commercial Tower

Position : Electrical CAD Technician / NETWORKING/ IT SUPPORT

1. Busbar Routing and Detailing using BRASS software from GRUPPE SCHNEIDER. Includes Vertical Rise of Busbar.
2. Busbar configuration from switchgear to busbar riser.
3. Busbar horizontal and vertical support.
4. Busbar configuration at shaft riser.
5. Busbar installation and details.
6. Direct communication with the busbar supplier for any technical changes of the layout.
7. Prepare coordination drawings showing HVAC, Plumbing, Drainage and Fire protection services. Lighting and Power, Emergency and Fire Alarm Services.
8. Prepare coordination drawings showing HVAC, Plumbing, Drainage and Fire protection services. Lighting and Power, Emergency and Fire Alarm Services.
9. Switchroom panel layout and detailing as per DEWA specifications and standards.
10. Plantroom equipment and panel layout as per DEWA specification.
11. Lighting and power layout at podium area.
12. VOICE/DATA, CATV/MATV, CCTV using MS VISIO 2003 software.
13. Emergency lighting and fire alarm system layout.
14. Tender technical assistance to senior engineers as instructed.
15. Prepare load distribution schedule using MS OFFICE 2007 package for DEWA submission.
16. Prepare schematic/riser diagrams.
17. Prepare project drawing register.
18. Prepare 2D and 3D drawings for coordination layout.
19. Set-up, Repair and configure desktop PC,s and LAPTOPS.
20. Register and update anti-virus definition in daily basis via internet connection.
21. Install office softwares such as MS OFFICE 2007 Package, autoCad, printers and plotters, scanners and cameras and other software programs related to engineering and construction.
22. Manually configure IP address, subnet mask and gateways of all desktop and laptop PC,s and printers and plotters.
23. Set-up and maintain WINDOWS 2003 Server.
24. Set-up workgroup computers to the domain.
25. Assign username and password of all desktop PC,s and configure to the domain.
26. Repair and replace non-operational hardware components within the LAN coverage such as MODEM, LAN CARD, RJ45 CABLES, SWITCHES or HUBS and other components.
27. Prepare structured cabling layout and its components from PC`s to switches or hubs.
28. Set-up Peer to Peer LAN system at company warehouse on site.
29. Virus removal and file recovery system.

Work Experience : 2004 – 2005

A & P Paraskevaides and Partners LLC

Mechanical, Electrical and Plumbing Contractor

Position : Electrical CAD TECHNICIAN

Project Taken : Jumeirah Beach Residences Sector 01

JBR-1 Tower Residential Condominium

UAE

1. Busbar Routing, Sections and Details.
2. Plantroom Electro-mechanical Layout, Section and Details.
3. Lift Machine Room (LMR) Electro-mechanical Layout, Sections and Details.
4. Building Maintenance Unit (BMU) Layout, Sections and Details.
5. Heat Exchanger Room (ETS)
6. Low Voltage Room (LV)/Transformer Room.
7. BMS Layout and Schematics (LAN).
8. TEL/DATA/CATV Layout and Schematics.
9. GSM Layout and Schematics.
10. Prepare aviation obstruction light and GPS antenna location.
11. Load Schedule Encoding (Excel)
12. MEP Coordination Drawings.
13. Lighting and Power Layout and Details.

Work Experience : 2003 - 2004

MIDTEL Communication INC.

Phils.

Position : Site Acquisition Officer/ CADD Engr.

Sun Cellular GSM Sites

GSM 1800 Network

Zambales Expansion Project

1. Team Leader, Site acquisition, Site Hunting and Permitting.
2. Demonstrate workers how to use and interpret GPS and magnetic compass. Such tools are necessary during site hunting and search ring.
3. Monitor and record gathered property documents.
4. Attend Weekly meeting and update gathered documents from prospected sites.
5. And other works related to Commercial Terms.
6. Prepare schedule of works using MS Project program.
7. Do initial investigation of prospect sites prior to technical site survey (TSS).
8. Make sure that prospected sites conformed with the clients required parameters.
9. Record the latitude, longitude, elevation and azimuth of the prospected sites.
10. Coordinate with the client (ALCATEL) regarding the schedule of Technical Site Survey.
11. Schedule Technical Inspection Survey (TIS).
12. Coordinate directly to the Gen. Manager/Operation Manager all the activities taken and the problems encountered during site hunting and survey.
13. Coordinate gathered documents with the RF/Transmission Engineer and discuss possible alternative.
14. Provide CAD Optrs, necessary information for Cellsite Layout.

Work Experience : Feb. 2001 – Dec. 2001

Societa’ Esecuzione’ LavoriIdrauliciSPA (Head Office)

Italy

Position : Operatore CADD

Project Taken : Galleria Menta, Reggio Calabria, Italy

Metro Torino Lotto 3, 4 & 5 Torino, Italy

Greece, Athens

1. Encode by CAD system some 300 manually done structural and mechanical layout, site layout and TBM machine and back-up system.
2. Make portal layout, sections and details, cutting and benching for Galleria Menta situated in Reggio Calabria, Italy.
3. Prepare detailed structural steel rib details and sections at tunnel portal for internal and external shotcreting.
4. Prepare subway route layout of Metro Torino Lotto 3, 4 & 5.
5. Draw initial concept and design of TBM Launching chamber, its concrete pads and structural reinforcement for the new subway line situated in Athens, Greece.
6. And many others related to tunnel and tunneling infrastructure.

Work Experince : Dec. 1996 – Feb. 2000

GrandiLavoriFincosit – Societa’ EsecuzioneLavoriIdraulici and JVACC Consortium

Pasig City

Position : CAD Technician/ Technical Support

Umiray – AngatTransbasin Tunnel and Ancillary Facilities

Metro Manila Waterworks and Sewerage System

4.4 B Php (ADB Funded)

1. Review and revised plans and layout for submission to the client, done by the latest CADD version 2000 / 2002.
2. Make as-built plans and layout for final documentation.
3. Implement and supervised approved plans and layout on site as directed.
4. Attend technical meeting and report TBM weekly accomplishment.
5. Design and implement temporary facilities as directed.
6. Estimate and quantify materials for progress billing purposes.
7. Monitor TBM daily production and breakdowns related to tunnel construction.
8. In-charge of geological events encounter during tunnel construction.
9. Supervises construction of voice and data communication system transmitting tower, mast and tri-legged type;
10. Acquisition of necessary documents at the NTC prior to the construction, commissioning and operation of the VOICE AND DATA Communication System.
11. Supervises installation and tapping of motor control center (MCC) to all gates.
12. Supervises installation and mounting of water pressure and level transmitters and sensors.
13. In-charge of the commissioning and final testing of the 34.5 KV switching system.
14. Prepare 2D and 3D drawings for verification and visualization purposes and or client presentation.

Work Experience : Dec. 1995 – Dec. 1996

Transformaren Filipinas Corporation

Taguig Metro Manila

Position : Cadet/Technical Support Engineer

1. Programmer of the CNC Turret Punch Machine using PC Plus software.
2. Design in-charge of HV, MV and LV Switchgear free standing enclosure.
3. Product Development in-charge ( e.g lighting fixtures, luminaries, etc.).
4. Appointed as QA & QC Supervisor.
5. Production in-charge of electronic controlled related projects.
6. CAD Designer and Operator

Work Experience : Dec. 1994 – Dec. 1995

Uniphil Computer Corporation (Network System)

Position : Ass’t Site Engineer

1. Orient site workers how to terminate network cables at access point terminal.
2. In-charge of backbone UTP 100 to 200 pairs network cable termination for Tel/Data/CATV.
3. Continuity testing of LAN cables using AT & T approved LAN tester.
4. Instruct workers how to pull cables the easiest way.
5. Monitor the over-all daily accomplishment as required by the immediate supervisor.
6. Check the daily attendance of workers.
7. daily meeting with the general contractor and discuss problems arises during installation process and report daily accomplishments.
8. And other activities related to the job.

Work Experience: June 1993 – Dec. 1994

Secondary School Teacher

Pintuyan National Vocational School

 (Phils.)

June 1992 – Dec. 1993

Secondary School Teacher

Southern Leyte School of Arts and Trades

Educational Attainment :

University: University of the Visayas

 Colon cor. Jakosalem St.

 Phils.

Course: Bachelor of Science and Electronics and

 Communication Engineering (BSECE)

Graduated: March 1990

Secondary : Southern Leyte School of Arts and Trades

 Brgy. San Roque, Sogod

 Phils.

Elementary: Sogod Central Elementary School

, Phils