

# Ali Ahmed M.Dardir



SR / MECHANICAL DRAFTSMAN

BIM MODELER SPECIALIST & COORDINATOR.

## OBJECTIVES

*Seeking for career in a well-organized organization where I can develop my expertise and skills.*

## PERSONAL INFORMATION

<b>Date of birth</b>	12/01/1984
<b>Nationality</b>	Egyptian
<b>Marital status</b>	Married
<b>Mailing Address</b>	Saudi Arabia - Riyadh
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<b>Transfer Iqama</b>	Available

## EDUCATION :

- **HIGH INDUSTRIALDIPLOMA -Aljamieah Aluomalia - Cairo**
- **Year of graduate : 2003/2004**

## COMPUTER SKILLS :

- **Perfect in Using Internet Applications and searching on internet.**
- **Perfect in using design programs:**
  - AutoCAD
  - Rivet& NAVIS WORKs.
- **Excellent using for MS Office Package**
  - Excel - Word
  - PowerPoint-Outlook

## LANGUAGES :

- Arabic (Mother Tongue).
- English (writing, reading and talking).

### ***COURSES:***

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- AutoCAD, 2D, 3D.
- Autodesk Revit MEP 2011 advanced.
- Autodesk Revit MEP 2011 essentials
- Autodesk Navis works 2011.

### ***PERSONAL SKILLS:***

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- Hard worker, ambitious, self-motivated and reliable.
- Excellent communication skills.
- Able to work under pressure as team leader.
- Ability to work as a co-operative team member.
- High ability to self-studies, research, learning any new technology and enhance my skills.

### ***DUTIES AND RESPONSIBILITIES AS (BIM MODELER)***

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*inate, Study, analyse and review, BIM Model, detailed drawings and as-built drawings in relation to specifications of contract and tender documents by applying knowledge of MEP engineering principles.*

### **PRINCIPAL FUNCTIONS:**

- Collaborate with the design team to develop accurate and coordinated mechanical BIM models using software such as Autodesk Revit.
- Ensure the integration of mechanical systems, components, and equipment within the overall building model, coordinating with other disciplines.
- Conduct clash detection and coordination reviews to identify and resolve conflicts between mechanical systems and other building components
- Generate detailed mechanical drawings, schedules, and reports from BIM models for documentation and coordination purposes.
- Collaborate with suppliers and manufacturers to incorporate accurate product data and specifications into BIM models.
- Support the BIM Manager in implementing BIM standards, guidelines, and best practices within the mechanical discipline.
- Assist in the coordination and integration of BIM deliverables with other project stakeholders, including contractors and consultants.
- Collaborate with the BIM team to ensure effective data exchange and coordination among all MEP disciplines.
- TECHNICAL OFFICE- MECHANICAL DEPARTMENT.
- Preparing shop drawing for the Mechanical.
- SHOP DRAWING OF EXTERNAL & INTERNAL NETWORK (WATER, SEWAGE, FIRE FIGHTING & IRRIGATION).

- **DOCUMENT CONTROL.**
- **QUANTITY TAKES OFF.**
- **DESIGN REVIEW.**
- **HVAC system (Distribution duct plans, Duct sizing calculations & installation details)**
- **HVAC ( Chillers, A.H.U.) drawings plans & details**
- **Duct Riser Diagram**
- **Composite drawings for all trades**
- **Prepare & drafting the workshop drawings for Plumbing (plans, toilet details & shaft details)**
- **Shop drawings preparation for ( HVAC , fire fighting ) systems**
- **Shop drawings preparation of mechanical rooms ( Domestic pumps , AHU room , Chiller room ,**
- **Boiler rooms and Fire pumping stations ) with required coordination works with all other trades**
- **Shop drawings preparation and coordination for diesel generator rooms**
- **Make sketches to proceed the work and help site condition**
- **Prepare & drafting the riser diagrams (water supply & drainage)**

## **WORK EXPERIENCE:**

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### **1- CONSOLIDATED CONTRACTORS COMPANY RIYADH -SAUDI ARABIA**

#### **(BACS) CONSORTIUM**

- **Position: SR.Draftsman-MEP-CAD-Revit Modeller-Coordinator**
- **From : 2017 to : present**

➤ **Some projects Under implementation :**

- **RIYADH METRO PROJECT**



**My previous and current tasks as Sr. BIM Modeler in RMP are as below:**

- **Reviewing Subcontractor Shop drawings;** Firefighting, Water Supply, Drainage, and HVAC for all DUG Stations.
- **Preparing Shop drawings for self-perform stations;** Drainage and HVAC (Station 1C4).
- **Working** closely with the Mechanical Engineer **as Assistant Mechanical Engineer** to provide technical solution and shop drawings for the additional hot smoke extract duct station 1F8 (Platform & Concourse).
- **Implementation of RMTC comments on GDCD packages** (Done for all DUG Stations).
- **Acting as Assistant Mechanical Engineer** and responding to site technical queries and provide the required clarification.
- **Preparing Shop drawings for the additional Standby Pressurization Fans for all Deep Underground Stations.**
- **Preparing Shop Drawings** for the Additional Inertial Filters for all Deep Underground Stations and reviewing the coordination drawings with CSA team.

- **Preparing shop drawings** for the additional duct for hot smoke extract in retail areas.
- Supporting the Mechanical Engineer to **finalize/close FCDs, NCR, and RMTC comments.**
- **At design stage**, reviewing the Fire Hose Cabinet distribution to assure the compliance with NFPA requirement.
- **Preparing builder work shop drawings** for Stations 1F8 & 1F4; Builder work shop drawings for base slab, walls, and transfer slab, and fire tank. (At early stage in project before subcontractor being awarded).
- **Preparing (RLM) drawings for self-perform Station (1C4&1C3):** Firefighting, Water Supply, Drainage, and HVAC.

2- SAUDI BINLADIN GROUP - JEDDAH - SAUDI ARABIA

- **Position: Plumbing & fire fighting & BIM Modeler & Coordinator.**
- **From : 2015 to : 2017**



➤ Some projects handled :

- **KING ABDULLAH BIN ABDUL - AZIZ PROJECT THIRD SAUDI EXPANSION OF HOLY HARM MAKKAH & SURROUNDING AREAS**
- **KING FAISAL SPECIALIST HOSPITAL (JEDDAH. SAUDI ARABIC)**

3- KEMET CORPORATION

- **Position: Plumbing & fire fighting & BIM Modeler & Coordinator.**
- **From : 2013 to : 2015**



➤ Some projects handled :

- **KING ABDULLAH BIN ABDUL-AZIZ PROJECT THIRD SAUDI EXPANSION OF HOLY HARM MAKKAH & SURROUNDING AREAS**
- **LOUVRE ABU DHABI (ABU DHABI, UAE)**
- **KING FEISAL SPECIALIST HOSPITAL (JEDDAH. SAUDI ARABIC)**

4- SAUDI BINLADIN GROUP (EL MARASEM ) - CAIRO- EGYPT

- **Position: Plumbing & fire fighting Draftsman & BIM Modeler.**
- **From : 2011 to : 2013**



➤ Some projects handled :

- **EL - SHUMESSI PROJECT**
- **KAFD IN SAUDI ARABIA**
- **DEVELOPMENT OF KING ABDUL AZIZ ENDOWMENT FOR MAKKAH HOLY HARAM**
- **MATAF EXTENSION**

5- NABIL EMAM CONSULTANT- CAIRO - EGYPT

- **Position: Plumbing & fire fighting Draftsman.**
- **From : 2008 to : 2011**
- **Some projects handeld :**
  - **Crazy Water Mall – El Sheikh Zayed City (QATAR).**
  - **Boss factory – 10th Ramadan – Egypt Fardan tower ( Qatar )**
  - **Lake View Hotel – New Cairo, Egypt.**
  - **Sahl Hashish Hotel – Hurghada, Egypt.**
  - **EltagamoaElkhames Mall – New Cairo, Egypt.**