

# Mubarik Ali

(BIM Modeler/Skilled Draftsman)

+966590452877 ✉ [mubeek@yahoo.com](mailto:mubeek@yahoo.com) <https://www.linkedin.com/in/mubarik-ali-a8a3a096/>

## Professional Summary

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Detail-oriented and technically skilled **BIM Modeler / MEP Draftsman** with over **16 years of experience** in large-scale infrastructure and building projects across Saudi Arabia. Proven ability to develop coordinated BIM models, resolve complex clashes, and deliver LOD 100-500 deliverables compliant with ISO 19650 standards. Adept at family creation, model audits, and producing 100% accurate shop drawings, resulting in up to 40% reduction in field rework and improved project efficiency.

## Technical Skills

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**Core Skills:** HVAC, Plumbing, Fire Protection, MEP Coordination, Clash Detection & Resolution, BIM Execution Plan Implementation, LOD Development (LOD 100-500), Family Creation & Management, Model reviewing

**Software Skills:** Revit, Navisworks, AutoCAD, Civil 3D, Microsoft Office (Excel/Word), Aconex, Auto fluid, Enscape,

**Industry Knowledge/ Standards:** Local & International Codes (ASHRAE, SMACNA, NFPA, IPC), ISO 19650 BIM Standards, Understanding of MEP Construction Practices,

**Soft Skills:** Strong Attention to Detail, Team Collaboration & Coordination, Communication Skills (written & verbal), Time Management & Multitasking, Problem Solving & Critical Thinking, Adaptability in Fast-Paced Environments,

## Work History / Experience

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### AL Qasabi Contracting Company

*BIM Modeler / Skilled Draftsman (MEP)*

**April, 2022 – Present**

*Riyadh, KSA.*

#### Projects:

TBC Schools, Riyadh, 3 Nos, King Abdul Aziz University, Jeddah. Al Qasabi Compound (9 Villas & Guest Hall)

### AL Bawani Construction Company (MERAS Int.)

*BIM Modeler / Skilled Draftsman (MEP)*

**April, 2021 – April, 2022**

*Riyadh, KSA.*

#### Projects:

STC Administration Building 1 & 2, Riyadh, KSA.

### Seder Construction Company

*Skilled Draftsman (MEP)*

**June, 2020 – March, 2021**

*Riyadh, KSA.*

#### Projects:

KSMC Hospital, Riyadh, KSA.

### FAST Consortium Riyadh Metro

*BIM Modeler / Skilled Draftsman*

**March, 2017 – July, 2020**

*Riyadh, KSA.*

#### Projects:

Riyadh Metro, Line 5 & 6 (37 Stations & 2 Depot)

### Mohammad A. Al Swailem Company (MASCO)

*MEP / Infrastructure / Skilled Draftsman*

**April, 2009 – March, 2017**

*Riyadh, KSA.*

#### Projects:

Unaizah University/ Qassim University/ Taibah University, Madinah/ Islamic University, Madinah/ Jazan University/ Al Russ College/ Dammam College/ Hujaz City Madinah

### Hammad Al Alewi Company (HAPCO)

*Electrical Draftsman*

**December, 2007 – Aug, 2008**

*Riyadh, KSA.*

#### Projects:

KAUST (King Abdullah University of Science & Technology, Jeddah.

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## Key responsibilities

### *BIM Modeler*

- Developed accurate 3D models for Mechanical, Fire Protection, and Plumbing systems using Revit and other BIM software.
- Prepared detailed shop drawings, construction drawings, and as-built documentation based on the BIM model.
- Maintained and updated models according to design revisions and site changes.
- Performed clash detection and resolution using Navisworks Manage.
- Coordinated BIM models with architectural, structural, and other MEP trades to ensure system integration and avoid conflicts.
- Participated in coordination meetings and contribute to resolving interdisciplinary issues.
- To Follow project-specific BIM Execution Plans (BEP) and adhere to LOD (Level of Development) requirements.
- Implementation and maintain BIM standards, naming conventions, and protocols across all project models.
- Ensure models are compliant with international standards such as ISO 19650.
- To Create and manage Revit families for MEP components with correct parameters and geometry.
- Assign parameters and ensure proper data integration for scheduling, takeoffs.
- Worked closely with designers, engineers, draftsmen, and site teams to deliver coordinated and constructible models.
- Provided technical support to design and construction teams by generating 3D views, sections, and model-based insights.
- Reduced on-site rework by 40% through accurate BIM modeling and clash detection using Navisworks Manage, improving construction accuracy and reducing cost overruns.
- Accelerated drawing production time by 30% by standardizing Revit families and creating reusable templates for HVAC, Fire Protection, and Plumbing systems.
- Reduced RFIs by 25% through precise shop drawings and coordination with engineers, improving communication between site and design teams.

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## Key responsibilities

### *Skilled Draftsman MEP*

- Developed comprehensive shop drawings for Mechanical, Fire Protection, and Plumbing systems, including HVAC layouts, fire protection, and plumbing plans.
- To ensure drawings are accurate and adhere to project specifications and standards.
- Collaborated with engineers, architects, and other stakeholders to integrate MEP designs seamlessly with architectural and structural elements.
- Analyzed architectural and structural drawings to extract relevant information for MEP drafting.
- Interpreted technical specifications to ensure compliance with project requirements.
- Conducted site inspections to gather necessary measurements and information for accurate drafting.
- Trained and mentored junior draftsmen, increasing team productivity and ensuring consistent adherence to project BIM standards.
- Ensured all MEP drawings comply with local building codes, safety regulations, and industry standards.
- Optimized drawing review and revision process, reducing drawing errors by 20% and ensuring faster approvals from consultants and clients.
- Provided technical support to construction teams by clarifying drawing details and addressing any discrepancies.

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## Education

**Punjab University, Lahore.**

*Bachelor of Arts*

**June 2004 – July 2006**

*Lahore, Punjab*

**Institute of Informatics & Management Sciences, Lahore.**

*Diploma in Mechanical Engineering*

**May 2010 – May 2012**

*Lahore, Punjab*

**Skills Institute of Information Technology, Lahore.**

*AutoCAD Drafting*

**June 2007 – Aug 2007**

*Lahore, Punjab*

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## Languages

English / Arabic / Urdu / Hindi