

Omar Ho

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SUMMARY

MEP Engineer with three years of construction experience supporting commercial building projects from coordination through field execution. Manages **shop drawings**, submittals, **change orders**, **progress photographs**, daily reports, and current project records for mechanical, electrical, and plumbing scopes. Supports BIM based **spatial coordination** by reviewing routing, identifying conflicts, and connecting model decisions with installation priorities. Works closely with project engineers, trade partners, field teams, and supervising professionals to keep scheduled activities aligned with project information. Applies quality practices during documentation reviews and field observations, follows construction safety expectations, and remains comfortable with nontraditional project hours. Brings practical mechanical engineering education, OSHA construction safety training, Revit capability, and a steady approach that helps teams resolve coordination issues before they affect installation.

EXPERIENCE

MEP Project Engineer

June 2025 - Present

Commonwealth Commercial Builders

Louisville, KY

Supports MEP coordination for a multistory commercial building, connecting project documentation, BIM reviews, scheduled work, **quality practices**, and field execution. Coordinates with project engineers, trade partners, and site teams while maintaining records that support timely installation decisions and issue resolution.

- Connected current drawings, field questions, and **BIM** decisions with installation priorities for commercial construction.
- Maintained MEP shop drawing and submittal workflows, giving field teams current approved information.
- Reviewed BIM views with trade personnel, identifying routing conflicts before **mechanical**, **electrical**, and plumbing installation.
- Tracked MEP change orders with supporting records, helping project leaders review scope impacts promptly.
- Prepared **progress photographs** and **daily reports**, capturing site conditions, activity status, and follow up needs.
- Supported scheduled work, quality reviews, and safety expectations during early and extended project hours.

MEP Construction Engineering Co op

May 2024 - May 2025

University Co op Program

Bowling Green, KY

Supported supervised commercial construction coordination through an academic industry placement. Organized MEP documents, compared BIM views with discipline drawings, recorded field progress, reviewed sequencing, applied quality checklists, and followed site safety procedures under engineering supervision.

- Organized drawings and submittal logs for supervised **mechanical**, electrical, and **plumbing** work packages.
- Compared BIM coordination views with discipline drawings, flagging routing conflicts for engineering review.
- Updated progress records from field observations, pairing photographs with concise installation and coordination notes.
- Reviewed scheduled activities with a supervising engineer, clarifying dependencies among MEP systems, structure, and interiors.
- Applied project quality checklists during field walks, routing visible conditions to supervising professionals.
- Followed site safety procedures during coordination activities, reinforcing safe habits in active construction areas.

MEP Construction Engineering Student

August 2023 - April 2024

University Project

Bowling Green, KY

Completed a supervised commercial building coordination study focused on shared BIM development, **constructability review**, **document control**, sequencing, quality findings, and presentation of coordinated MEP information for faculty evaluation.

- Developed a supervised BIM model integrating **mechanical**, **electrical**, and plumbing layouts within shared coordination space.
- Tested system routing against architectural and structural constraints, documenting clashes for layout revision.
- Created a submittal register and sample shop drawing workflow, demonstrating organized construction documentation.
- Built a simplified sequence for major MEP activities, evaluating dependencies affecting installation access.
- Prepared progress style reports with model images, coordination findings, and recommended next actions.
- Presented coordinated model findings to a class panel, explaining documentation choices and field value.

PROJECTS

Commercial Building MEP Coordination 📅 2024

Created a supervised shared BIM study for mechanical, electrical, and plumbing layouts. Compared routing against architectural and structural constraints, prepared a submittal register, modeled installation sequencing, and presented coordination findings for faculty review.

LEADERSHIP & AWARDS

- OSHA construction safety recognition, 2025
- Academic industry co op achievement, 2025
- Mechanical engineering project presentation distinction, 2024

EDUCATION

Bachelor of Science in Mechanical Engineering

Western Kentucky University GPA: 0

Coursework: MEP coordination, BIM modeling, construction scheduling, engineering design

2024

Bowling Green, KY

CERTIFICATIONS

- OSHA 30 Hour Construction Safety 📅 2025
- Autodesk Certified User, Revit 📅 2024

TECHNICAL SKILLS

- **MEP Systems:** Mechanical systems, Electrical systems, Plumbing systems
- **BIM Software:** BIM, Revit, Shared models
- **Construction Documents:** Shop drawings, Submittals, Drawing logs
- **Project Records:** Change orders, Daily reports, Progress photographs
- **Coordination Methods:** Spatial coordination, Clash review, Constructability review
- **Scheduling Tools:** Construction scheduling, Activity sequencing, Installation planning
- **Quality Practices:** Quality checklists, Document review, Field observations
- **Safety Training:** OSHA 30 Hour Construction Safety, Site safety, Zero injury approach
- **Engineering Disciplines:** Mechanical engineering, Electrical engineering, Plumbing engineering
- **Field Operations:** Field execution, Trade coordination, Installation support
- **Communication Tools:** Field questions, Coordination meetings, Follow up records

SKILLS

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|--------------------|------------------------|---------------------------|----------------------|
| • MEP coordination | • Submittals | • Constructability review | • Electrical systems |
| • BIM | • Change orders | • Quality practices | • Plumbing systems |
| • Revit | • Document control | • Construction safety | • Daily reports |
| • Shop drawings | • Spatial coordination | • Mechanical systems | |

PROFESSIONAL AFFILIATIONS

- Western Kentucky University Mechanical Engineering community
- Academic industry construction coordination program
- Commercial construction safety participation

LANGUAGES

- English (Native)
- Mandarin Chinese (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST