

Abdelrhman Abdelkader

STRUCTURAL ENGINEER DESIGNER

Riyadh | Egyptian | 0552673435 | eng.abdelrhman33.am@gmail.com

Objective

Structural Engineer with over 2 years of experience in structural analysis, concrete design, and multidisciplinary collaboration. Proven track record in delivering safe, cost-effective, and code-compliant designs for residential, commercial, Proficient in industry-standard software including ETABS, SAP2000, and Revit. Strong knowledge of ACI, AISC, SBC, and local building codes.

Experience

Freelancer | Structural engineer designer

2023-Present

- Designed and analyzed concrete structures for residential & commercial buildings, high-rise projects using ETABS and SAFE.
- Prepare structural plans, sections, and details AutoCAD for construction documentation.
- Conduct structural calculations and prepared design reports ensuring compliance with ACI 318 and local codes.
- Coordinate with architects and MEP engineers to resolve interdisciplinary conflicts during design development.

Emar El Ghad | Junior Structural engineer

2023-2024

- Assisted in load calculations, member sizing, and connection design for residential and industrial buildings.
- Supported senior engineers with detailed analysis using SAP2000 and hand calculations.
- Participated in site inspections to ensure design compliance during construction.
- Assisted the technical office team in preparing certain shop drawings and quantity take-offs when needed

Education

Bachelor of Science in Civil Engineering

2021

MIET, Mansoura

Certifications

- Fe Civil (NCEES) exam pass - (USA Certified)

Technical skills & courses

Preparing for Fe Civil Exam

Diploma of technical office and shop drawing with Eng. Mohamed Salama

Preparation of site engineer course Eng. Hassan Qandil

Rivet Structural Course Eng. Karim Adel

Diploma in structural design according to the Egyptian code Eng. Ragab Al-Masri

Diploma in structural design according to the Saudi code Eng. Marwan Amr

Software: ETABS, SAP2000, SAFE, Revit, AutoCAD.

Codes: ACI 318, ASCE 7, SBC, Egyptian code

Solid experience in preparing shop drawings and basic quantity take-offs

Languages

- English (Fluent)
- Arabic (Native)