# **JOB DESCRIPTION**

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| **JOB TITLE: VDC Engineer** |  |
| **REPORTS TO: VDC Manager/Operations** |
| **FLSA STATUS: Exempt** |

**GENERAL POSITION PURPOSE:** To support Operations by applying Virtual Design & Construction practices to commercial projects. This includes leading the coordination effort in pre-construction and construction through the implementation of advanced software technologies. The VDC Engineer is integral to the construction and construction coordination process.

**ESSENTIAL DUTIES AND RESPONSIBILITIES**

* Support project teams during preconstruction and marketing phases
* Develop construction models for scope clarification, operations planning, cost analysis and production
* Manage and facilitate model coordination across disciplines
* Incorporate construction methods in a 3D environment (i.e. Elements in 3D are those elements required for proper coordination and construction)
* Maintain high level of competency of relevant software through continued use and training
* Assist project team members in the field through the lifecycle of building projects

**QUALIFICATIONS**

* Strong verbal and graphic communication ability
* Strong written communication ability
* Willingness to be given instruction and follow through with execution
* Self starter with ability to work independently and within a team
* Desire to learn new processes and technologies
* Understand the sequencing of construction projects as well as MEP and Structural engineering disciplines
* Strong working knowledge of computer aided design software and understanding of spatial relations
* Advanced knowledge of Autodesk software is required, including NavisWorks, Revit Architecture and AutoCAD
* Working knowledge of Microstation/Bentley Architecture Triforma is preferred

**EDUCATION AND/OR EXPERIENCE**

* Must have a degree in Architecture/Engineering related field, or have a B.S. or B.A. degree in Construction Management
* Equivalent years of experience may be substituted
* Two or more years in the design and commercial construction industry are preferred

**WORK ENVIRONMENT/JOB CONDITIONS**

This job may be performed in the office or on the jobsite and requires frequent sitting (often working on a computer), frequent walking, standing, bending, and reaching. Due to computer usage, there may be repetitive motions of the hands and wrists. He/she must be able to navigate the jobsite and is expected to be able to comply with all safety regulations in the office and on the jobsite.

*To perform this job successfully, an individual must be able to perform each essential function satisfactorily. The responsibilities, qualifications, and work conditions described here are representative of the physical and mental knowledge, skills and/or abilities required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. This description is not intended to be a complete list of all responsibilities, duties and skills required to personnel assigned this classification. Duties and responsibilities may be added or changed as deemed appropriate by management at any time.*