

BIM EXECUTION GUIDELINES

Project Name: Project Whale

Project Location: Wilmington, NC

Date: June 2024

1. Introduction

This BIM Execution Guideline outlines the strategies and processes required for implementing Building Information Modeling (BIM) on Project Whale for all project stakeholders. BIM will be utilized to improve collaboration, streamline workflows, and enhance decision-making while delivering a high-quality, coordinated, and sustainable project.

2. BIM Scope

BIM will encompass the following aspects:

- **3D Modeling:** Creation of detailed 3D models for architectural, structural, and MEP disciplines.
- **Clash Detection:** Identification and resolution of clashes among different building systems.

3. Roles and Responsibilities

Teams will need to have the following team members involved in the BIM Coordination process:

- **Project Manager:** Oversees BIM implementation, allocates resources, and ensures compliance with the BIM Execution Plan (BEP).
- **BIM Manager/Detailer:** Manages the BIM process, coordinates model development, and conducts quality control checks. Develops discipline-specific models and collaborates on interdisciplinary coordination.
- **On-Site Construction Team:** Utilizes BIM for construction planning, sequencing, and installation.

4. BIM Standards and Guidelines

- **Software:** Autodesk Navisworks, Autodesk REVIT
- **Modeling Standards:** Adherence to industry standards such as the National BIM Standard-United States (NBIMS-US) and project-specific standards.
- **Model Exchange:** Autodesk Construction Cloud or alternative

5. BIM Implementation Schedule

This is a list of meetings that attendance will be required during the BIM Coordination process

- **Kickoff Meeting:** Introduction of BIM processes and objectives to project stakeholders.
- **Interdisciplinary Coordination:** Regular coordination meetings to address clashes and ensure model integration.
- **Construction Phase:** Utilization of BIM for construction planning, sequencing, and coordination.
- **As-Built/Turnover:** Delivery of BIM models and associated documentation to the client for facility management.

6. BIM Deliverables Required

- **3D Models:** Discipline-specific reflecting the project's design and construction phases.
 - **Level of Detail (LOD) 350:** Construction Documentation: Represents the building elements with detailed information, including specific assemblies, accurate quantity, size, shape, location, and orientation.
- **2D CAD Backgrounds:** Discipline-specific floorplans of modeled systems for reference into project partner's design software
- **File Naming Convention:** TBD