

PROJECT INTRODUCTION

Our integrated approach allows us to effectively showcase specific BIM related strategies and how they are beneficial to the project at hand.

- 3D/Phasing
- Scheduling
- Coordination
- Constructability Analysis



OBJECTIVES

- Articulate vital project information better and more accessible to project stakeholders
- Create improved project outcomes
- Become a more valued player in this process
- Construction project would progress throughout the various stages until completion.

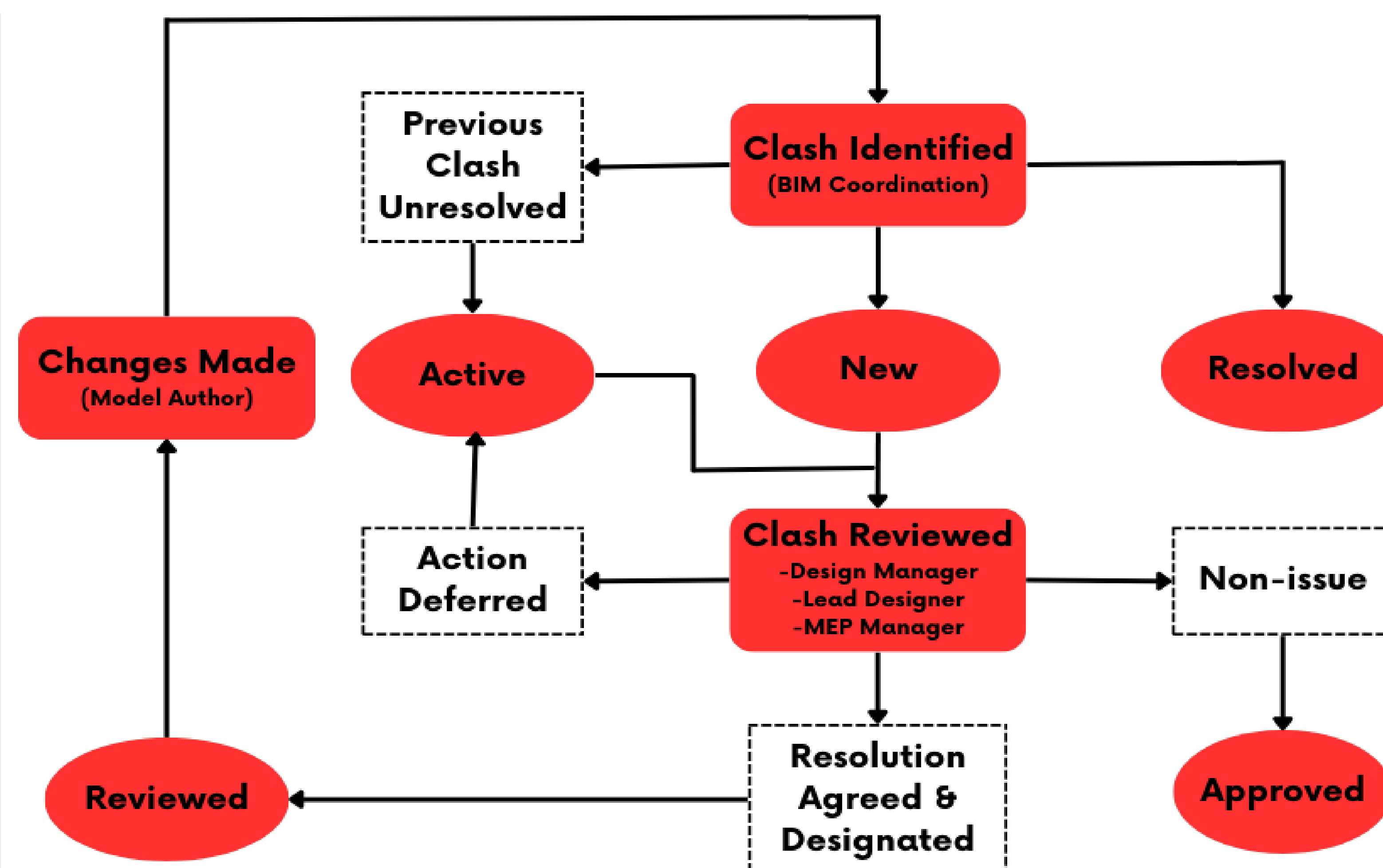
METHODOLOGY

- Design thru Construction - integrate a whole array of design and construction data related to cost, schedule, materials, assembly, maintenance
- Technology: Software programs are available to assist with almost every management function in construction
- Quality control – defining the LOD for all elements in the model and monitoring them throughout the project

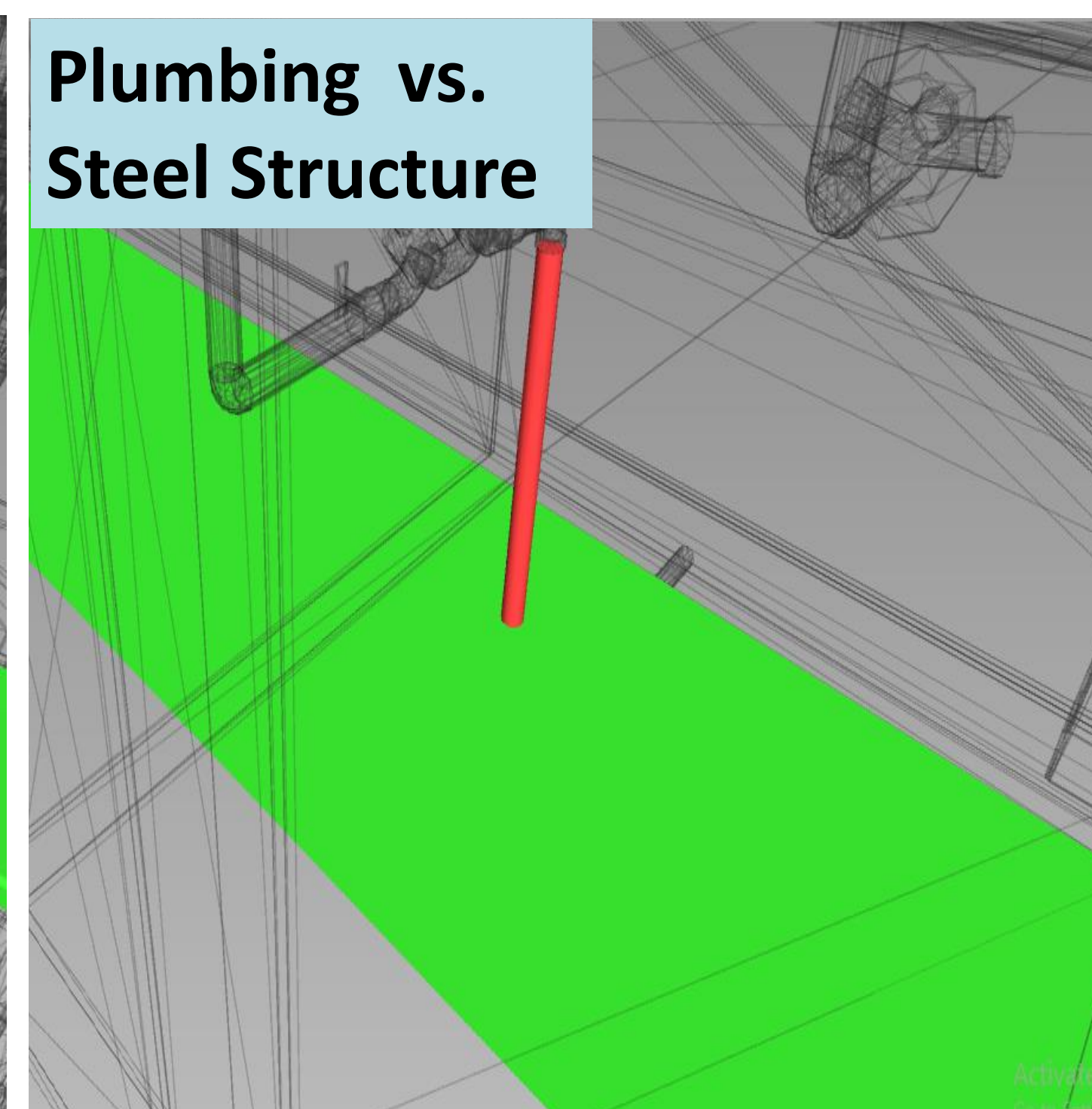
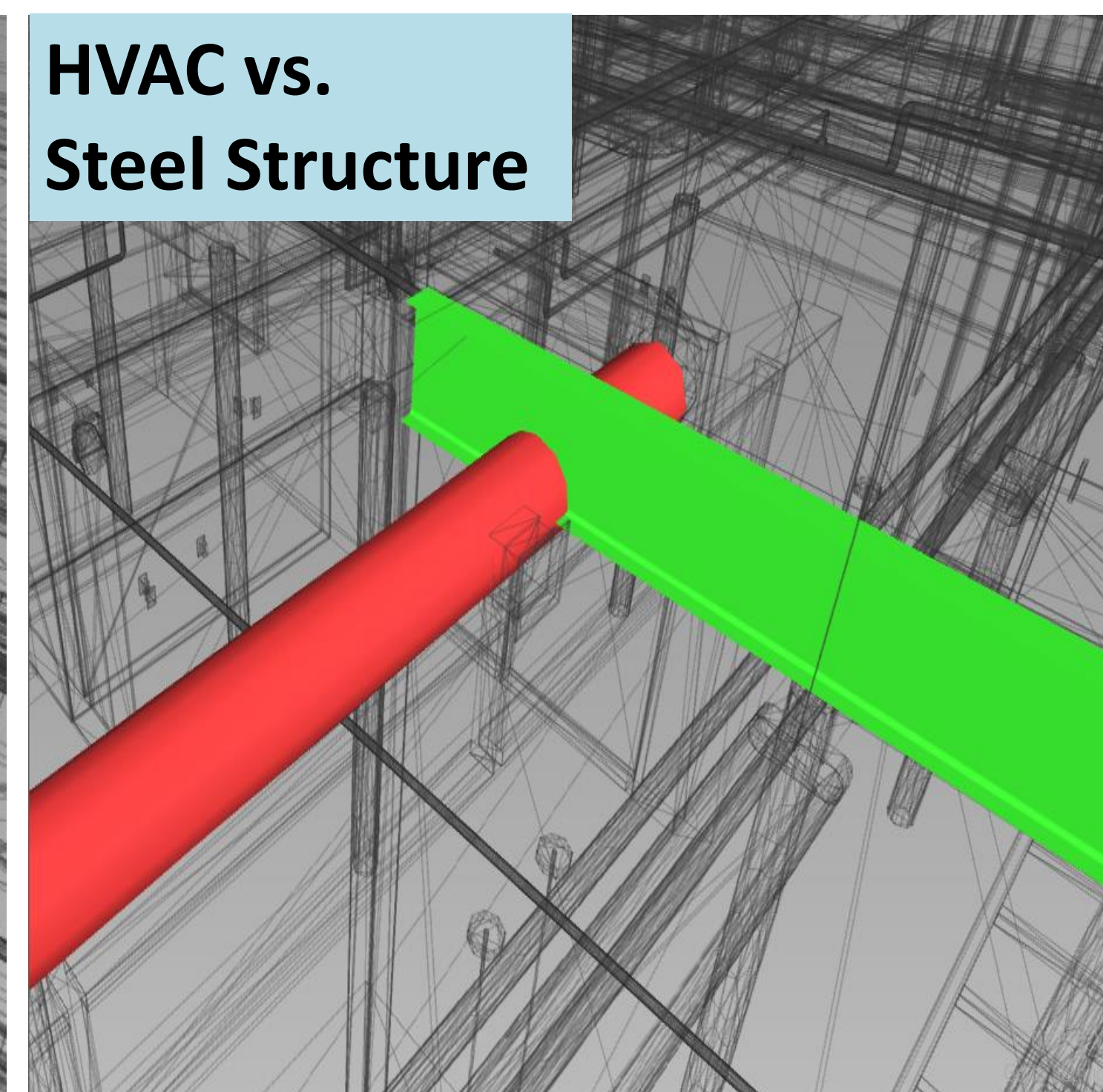
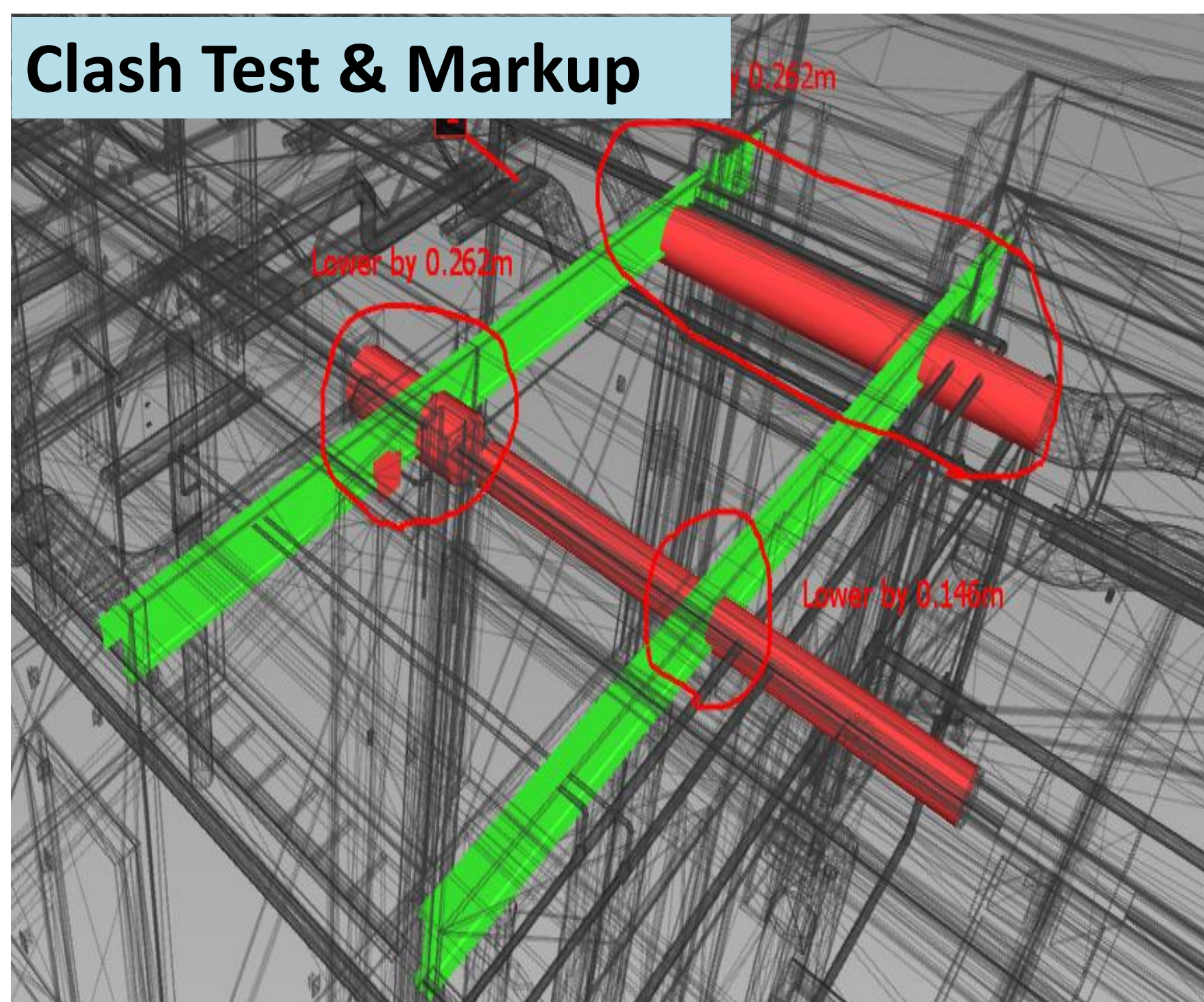
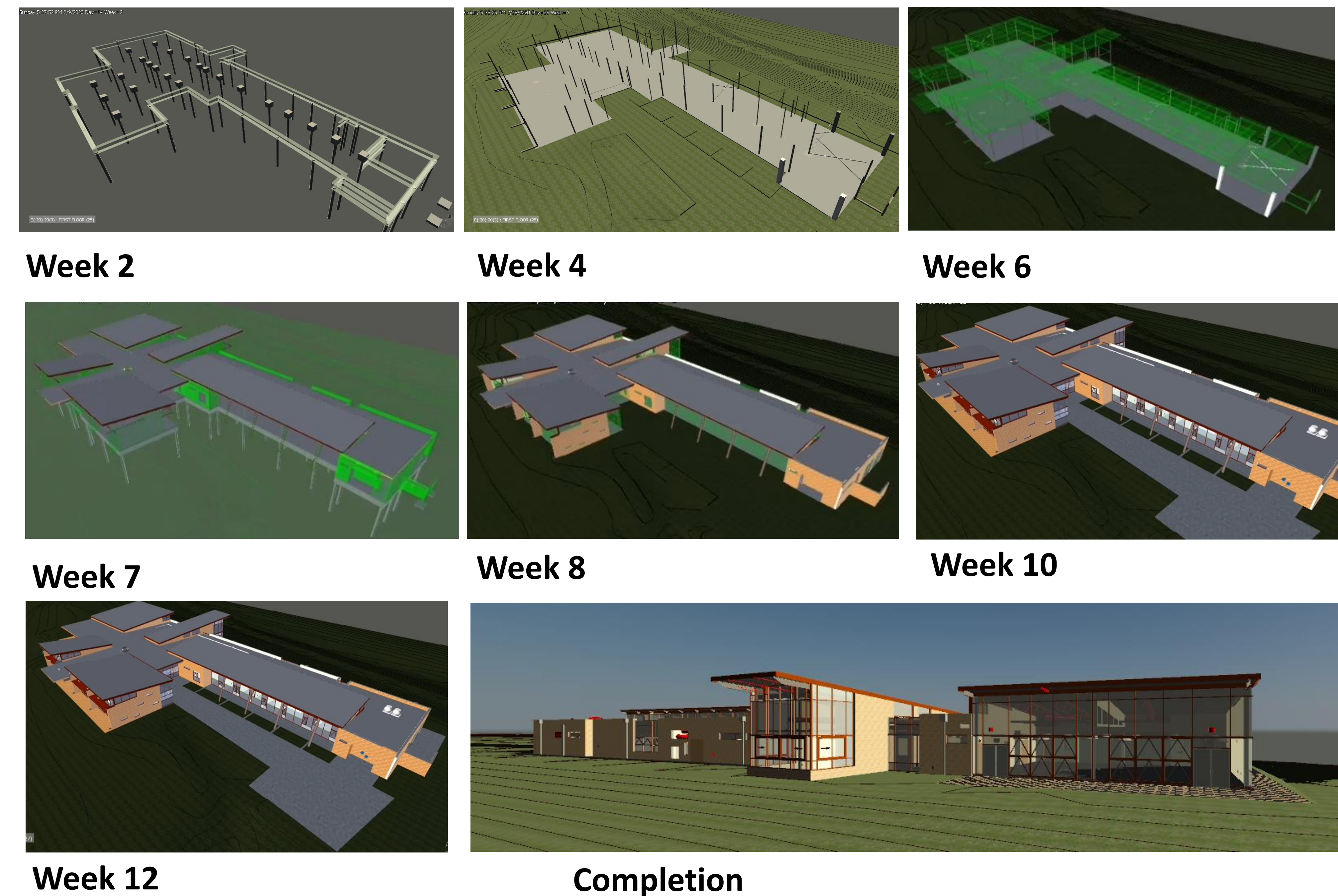
CONSTRUCTABILITY ANALYSIS

Addresses design-to-construction problems before they materialize on site, reducing the cost of design changes.

- Ease of exchange between the 3D model to plan view
- Incorporates clash detection
- Greater awareness of detail relationships with other elements
- Consolidation of information



4D SCHEDULING



4D BIM Scheduling improves communication as well as the planning and construction processes in an understandable way

- Improved time and cost savings
- Focused activity lists
- Promotes project milestones in a realistic timeline
- Decreases unexpected timeline errors

COORDINATION

Coordination is crucial to BIM and is the backbone of a successful BIM project

- Ensures a common goal
- Optimizes the building process
- Minimizes conflicts and errors
- Enhances project efficiency

BIM COORDINATION

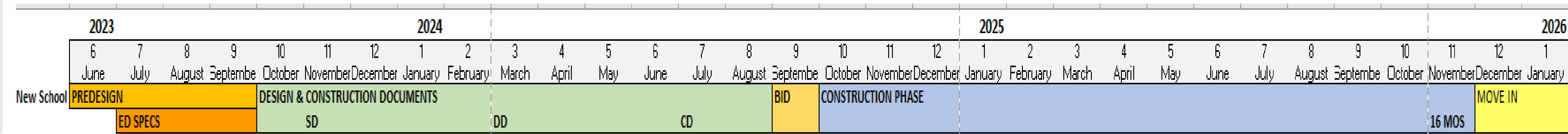
Coordination in BIM is crucial for project success. BIM allows stakeholders to collaborate more effectively, improving communication and reducing the risk of errors or delays. Through BIM, stakeholders like yourself can identify and resolve issues early on. Which reduces costs and improving efficiency considering staff/students are on school grounds year-round. BIM also leads to better project outcomes for schools as improved energy efficiency and lower maintenance costs. Overall, coordination in BIM ensures that all projects are completed on time, within budget, and to the standards of stakeholders, equaling a greater return on investment.

BENEFITS OF ANALYSIS

BIM can help your construction managers better manage their project by:

- Assuring increased ROI and profitability.
- Timely detection of clashes, better scheduling, planning and cost estimation.
- Project Managers can see which subcontractors are working on which parts of the project and track progress.
- Can better call attention to errors.
- Enables us to manage, create, and update our construction project efficiently.

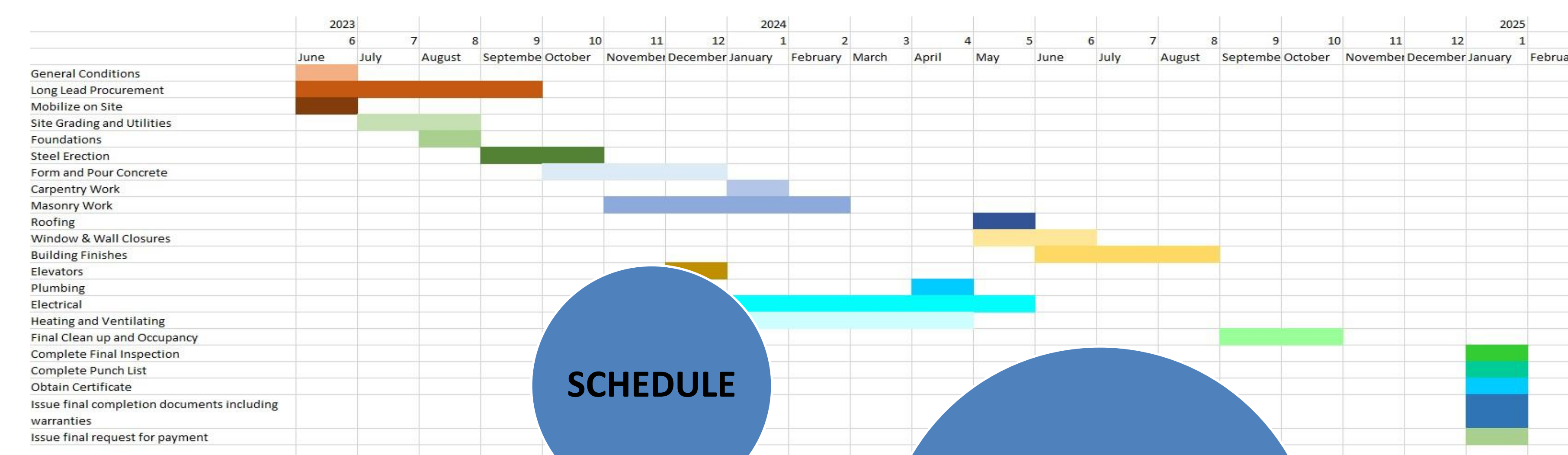
3D PHASING



Generic Activity Categories	Project Specific Activity Types	Activity Attributes
<ul style="list-style-type: none"> • "Construct" • "Temporary" • "Demolish" 	<ul style="list-style-type: none"> • "Movement of tenants" • "Construction Activity" 	<ul style="list-style-type: none"> • Level of Detail • Cost • Space

Utilizing 3D capabilities helped highlight different phases of our project. BIM software is important to accurately display how we present our project.

1. Enables different viewpoints
2. Reduces design errors that can be costly
3. Allows for more cooperation amongst project members
4. Enhanced view/scope of the project



COLLABORATION OF SCHEDULE WITH 3D MODEL

- Promotes project milestones in a realistic timeline
- Updated weekly, real time visual schedule

Transform your construction processes with BIM

