



Building Information Modeling

May 2012

PRESENTATION BY
Darrell Edwards

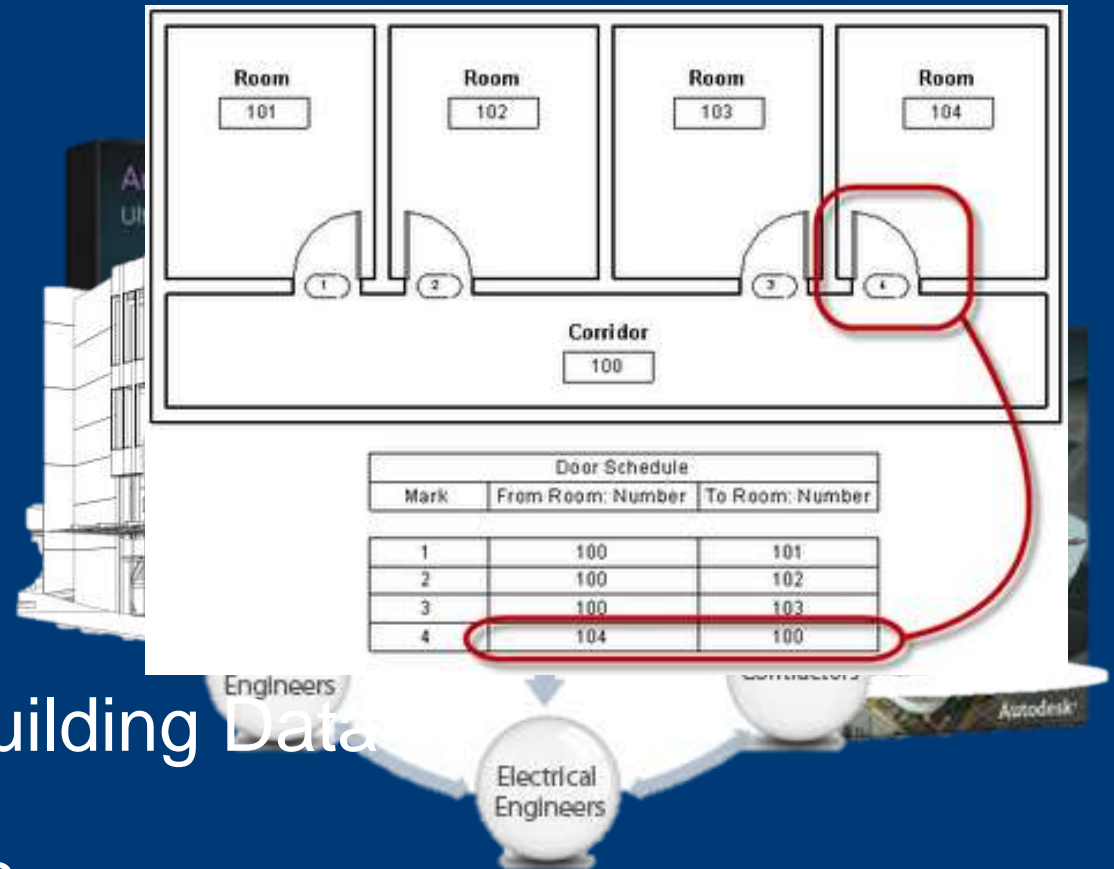


What is BIM?

"Generating and managing building data throughout the building lifecycle"

What is BIM?

1. Software
2. 3D Model
3. Process
4. Collection of Building Data
5. All of the above



What does the Model Contain?

Walls, Roofs, Floors, Columns and Beams

Windows, and Doors

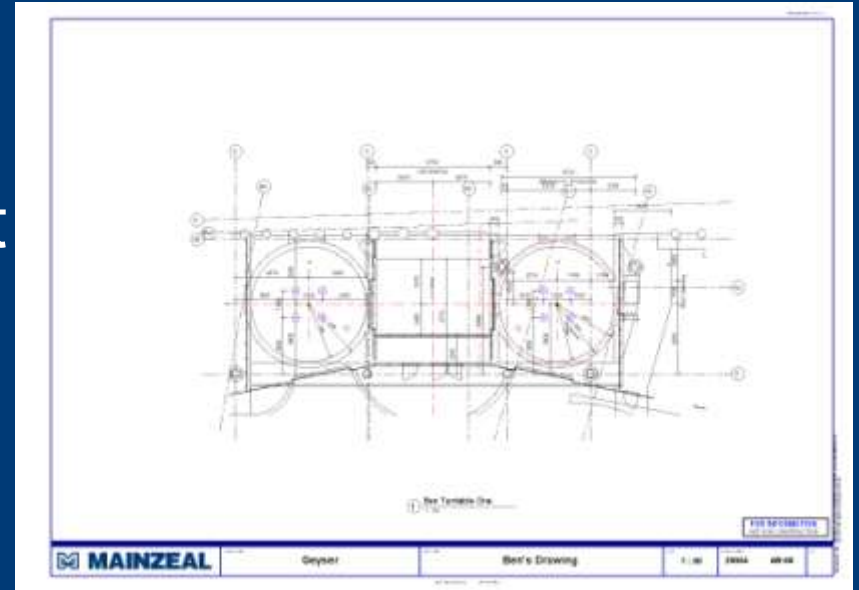
Stairs, Elevators and Mechanical Services

Topography, site works, people and vehicles

Non visual Information.....

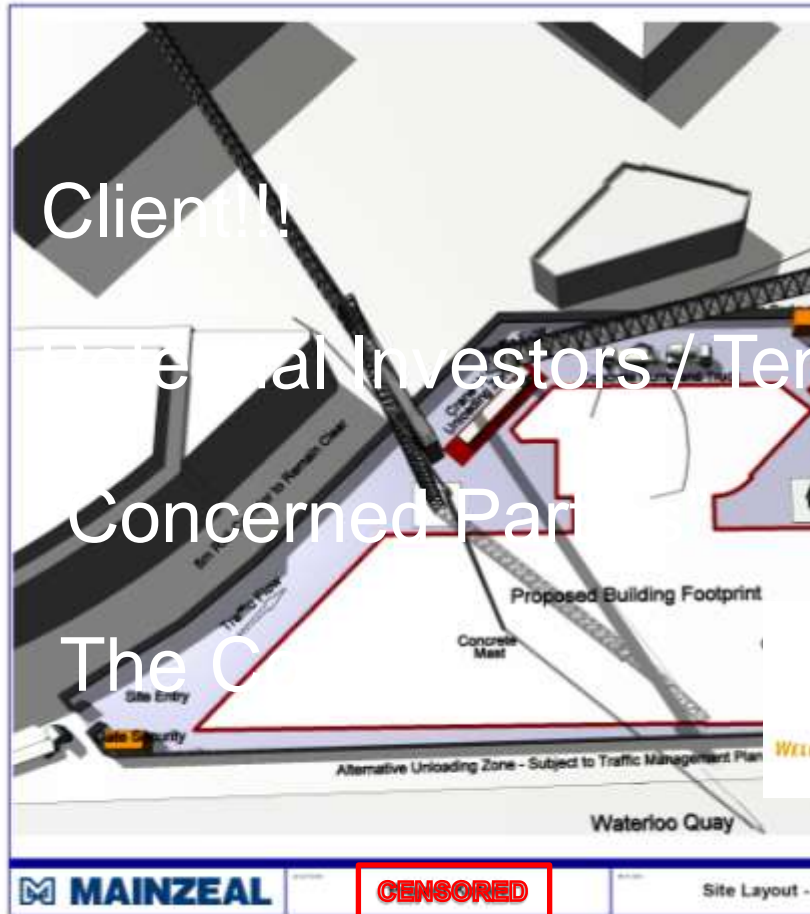
What is the Model useful for?

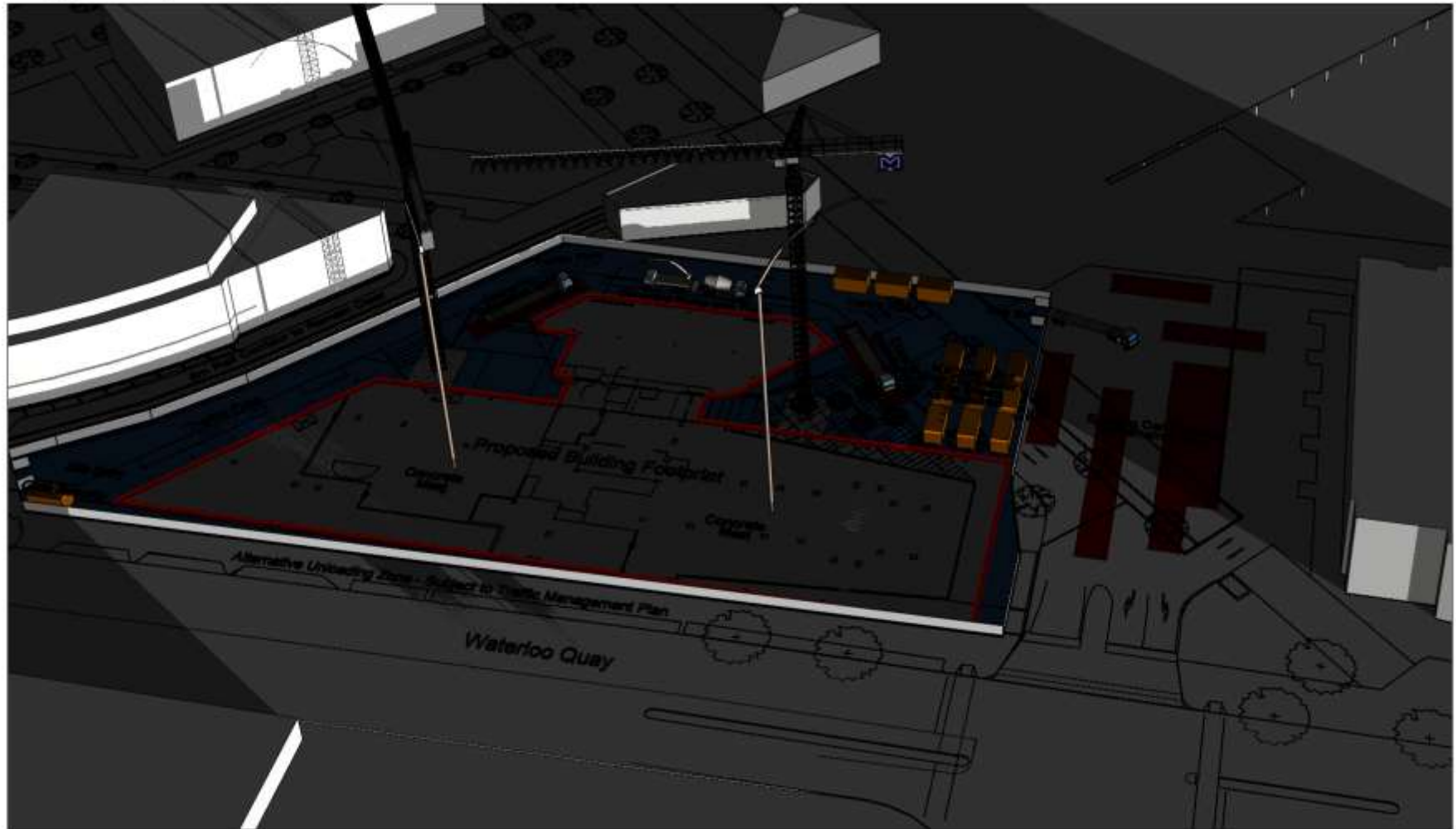
1. Visualisation
2. Change Management
3. Building Simulation
4. Data Management
5. Documentation



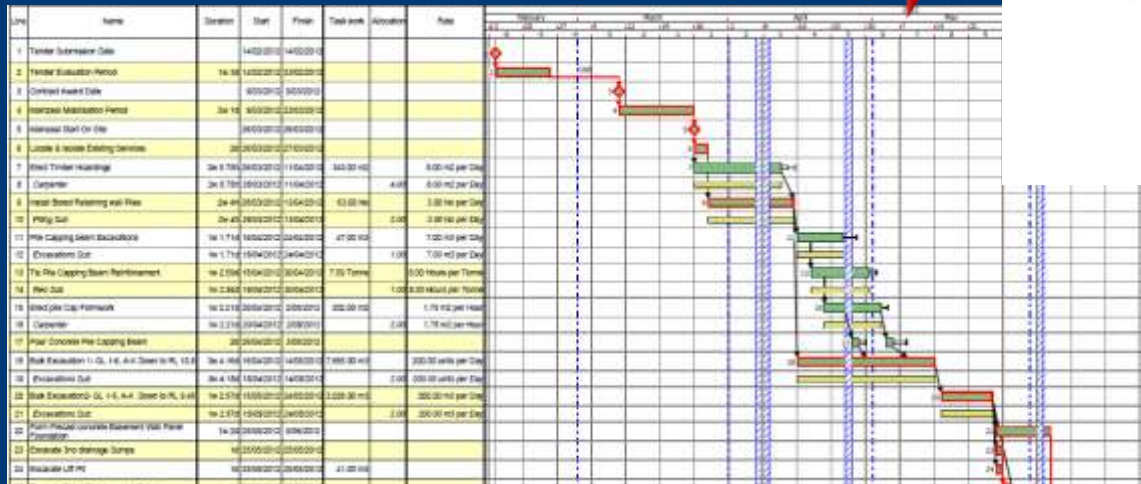
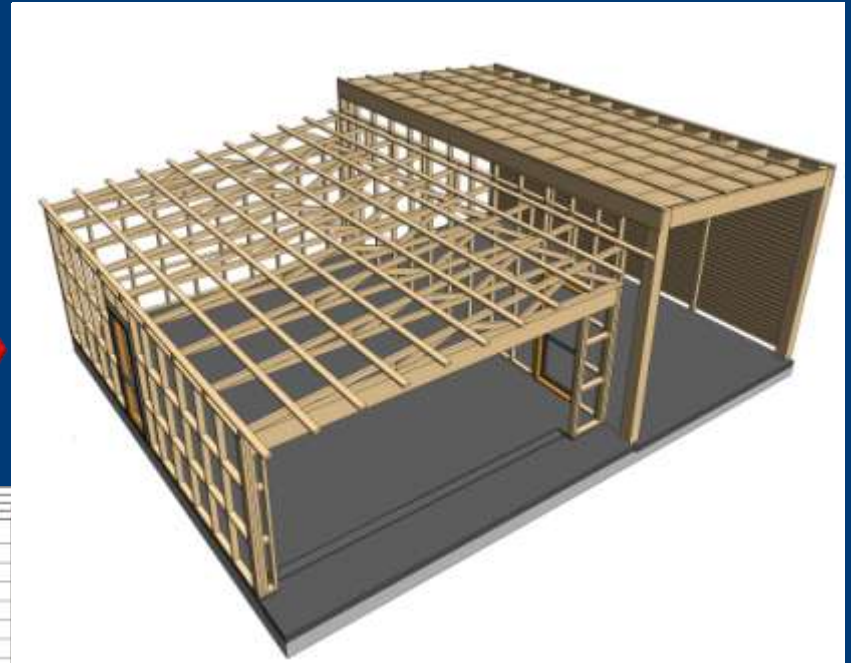
Visualisation

1. Client!!!
2. External Investors / Ter
3. Concerned Par
4. The C

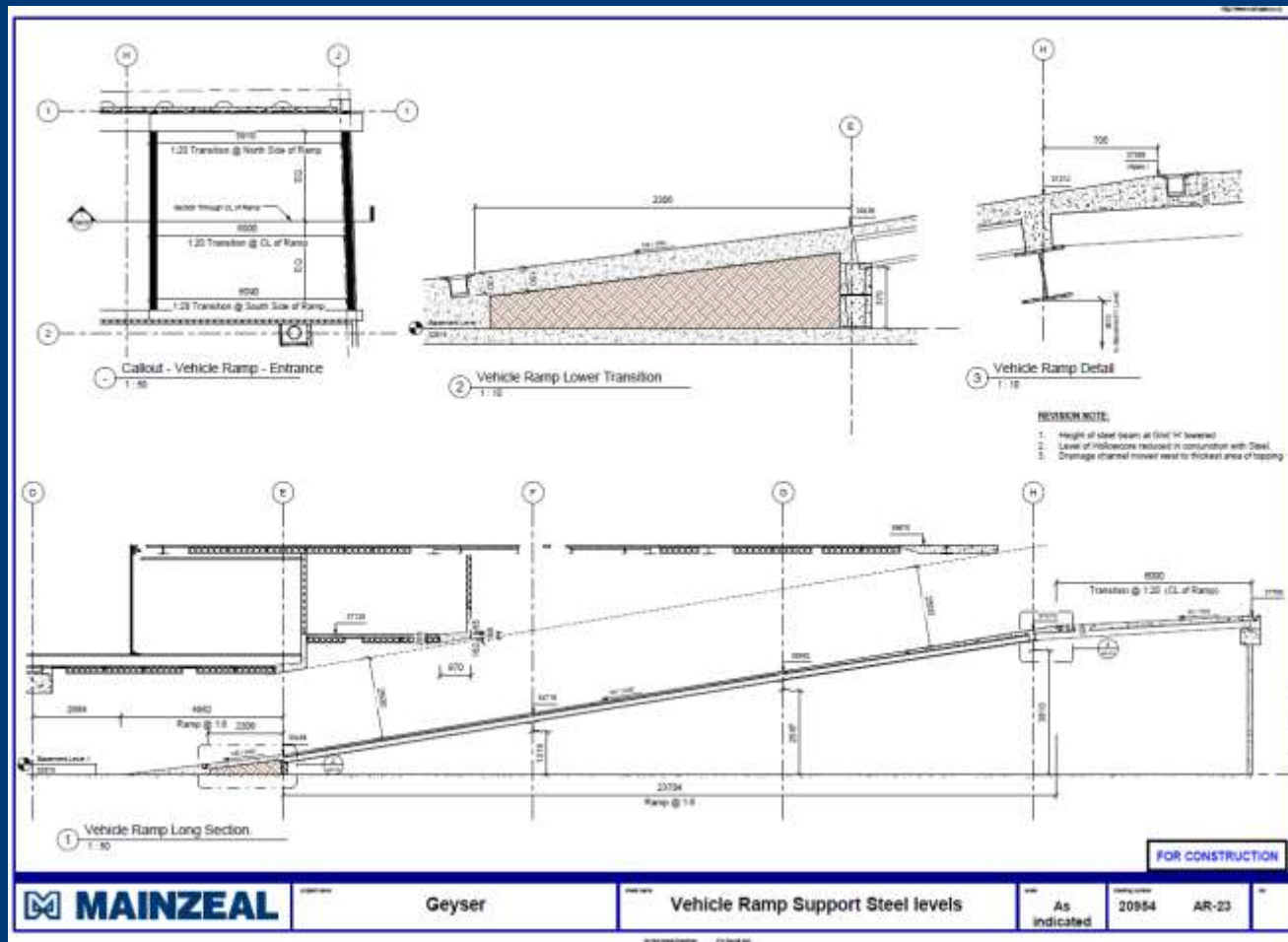




Adding another Dimension.....



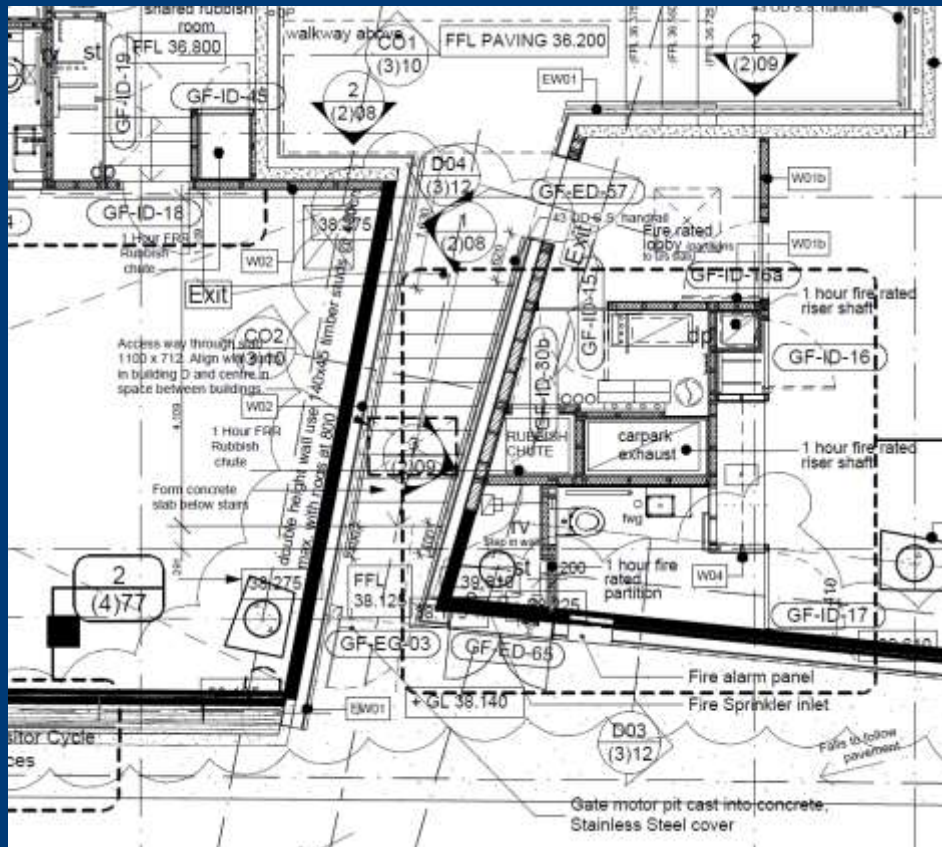
Bringing BIM to Site.



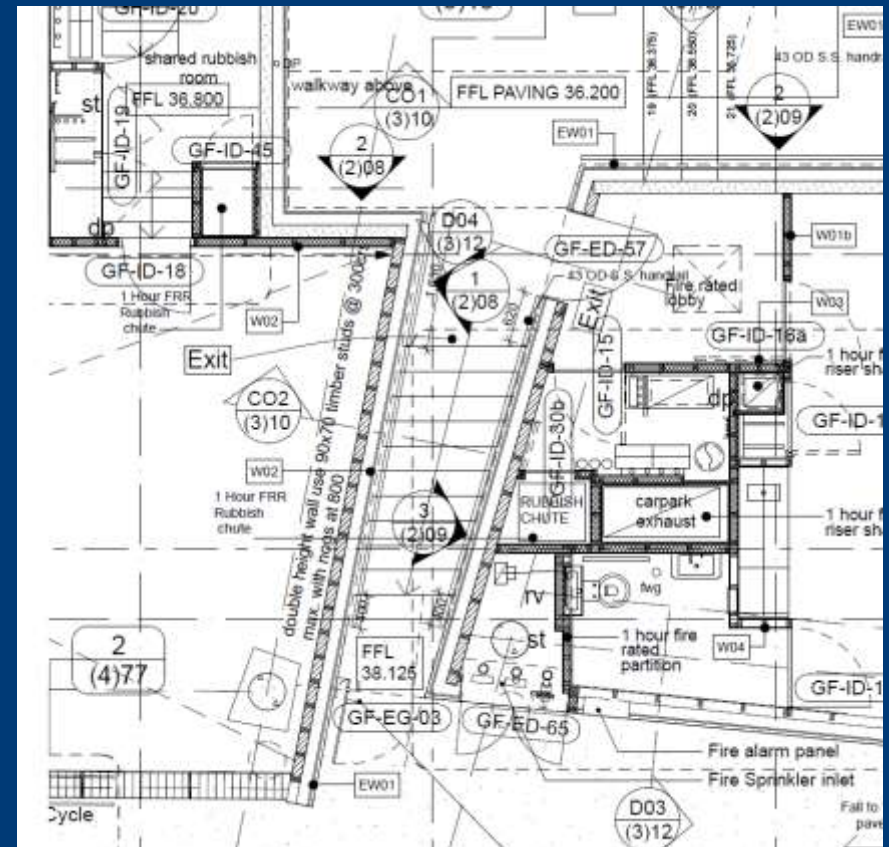
Render from Revit Model



Incomplete Drawings

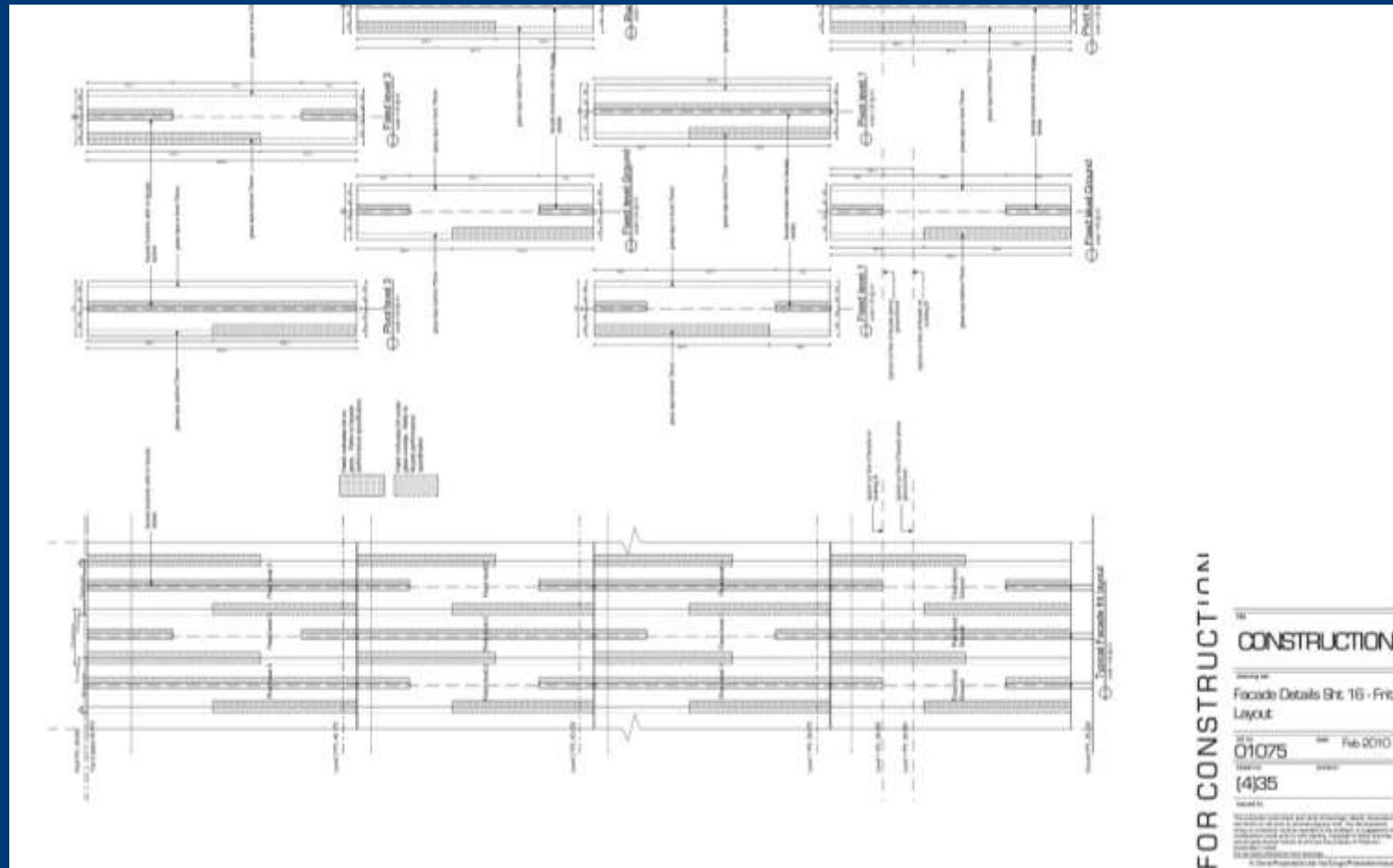


1:100 @ A1 - Revision 20



1:50 @ A1 - Revision 2

Another wee Gem....



“Yes, of course we can deliver a BIM project.”

“(Because we’ll say anything to make sure we win the job!)”

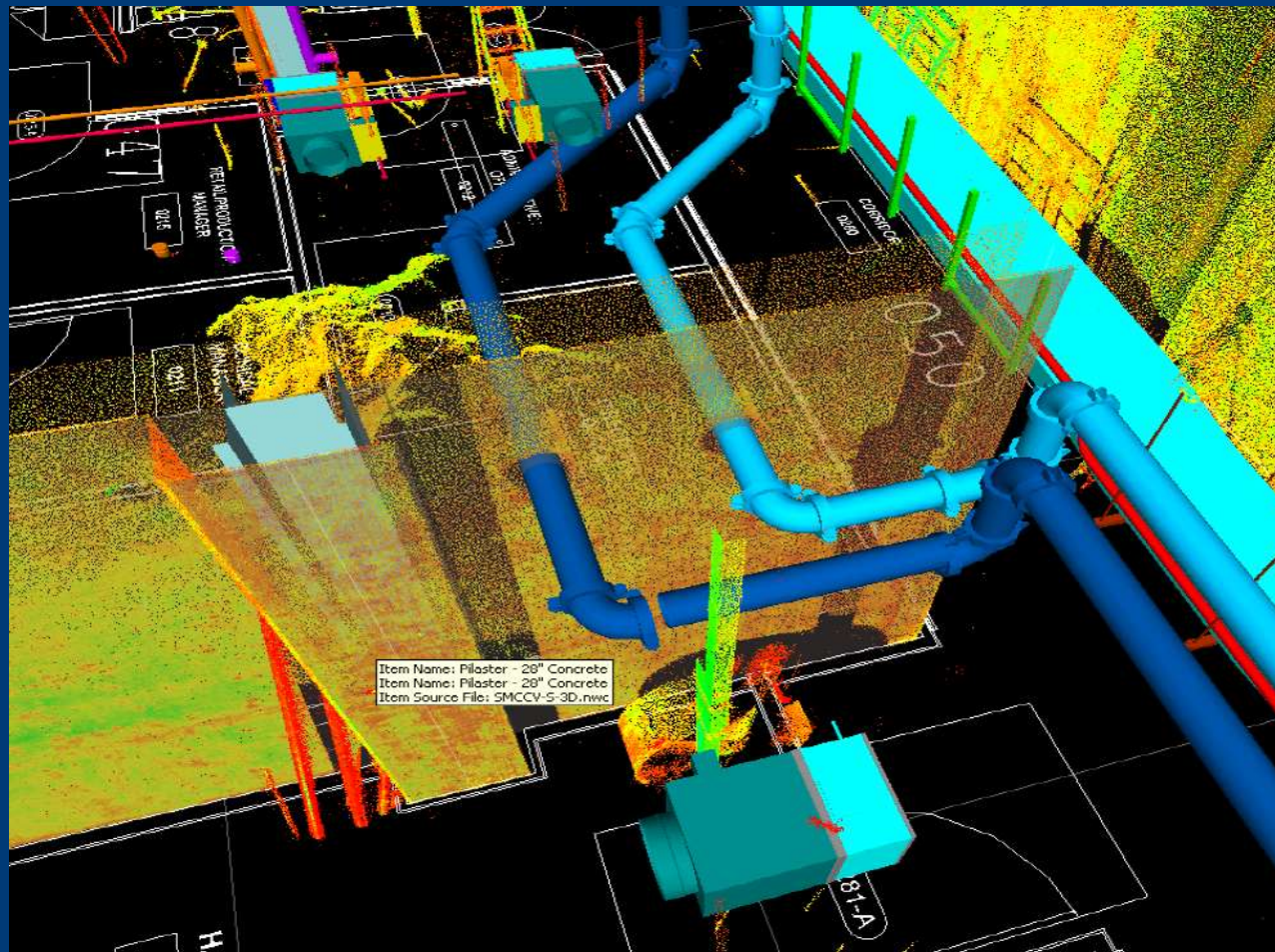
“The more elaborate our means of
communication, the less we communicate.”

Joseph Priestley
(English Chemist and Clergyman, 1733-1804)

“The single biggest problem in communication
is the illusion that it has taken place.”

George Bernad Shaw.

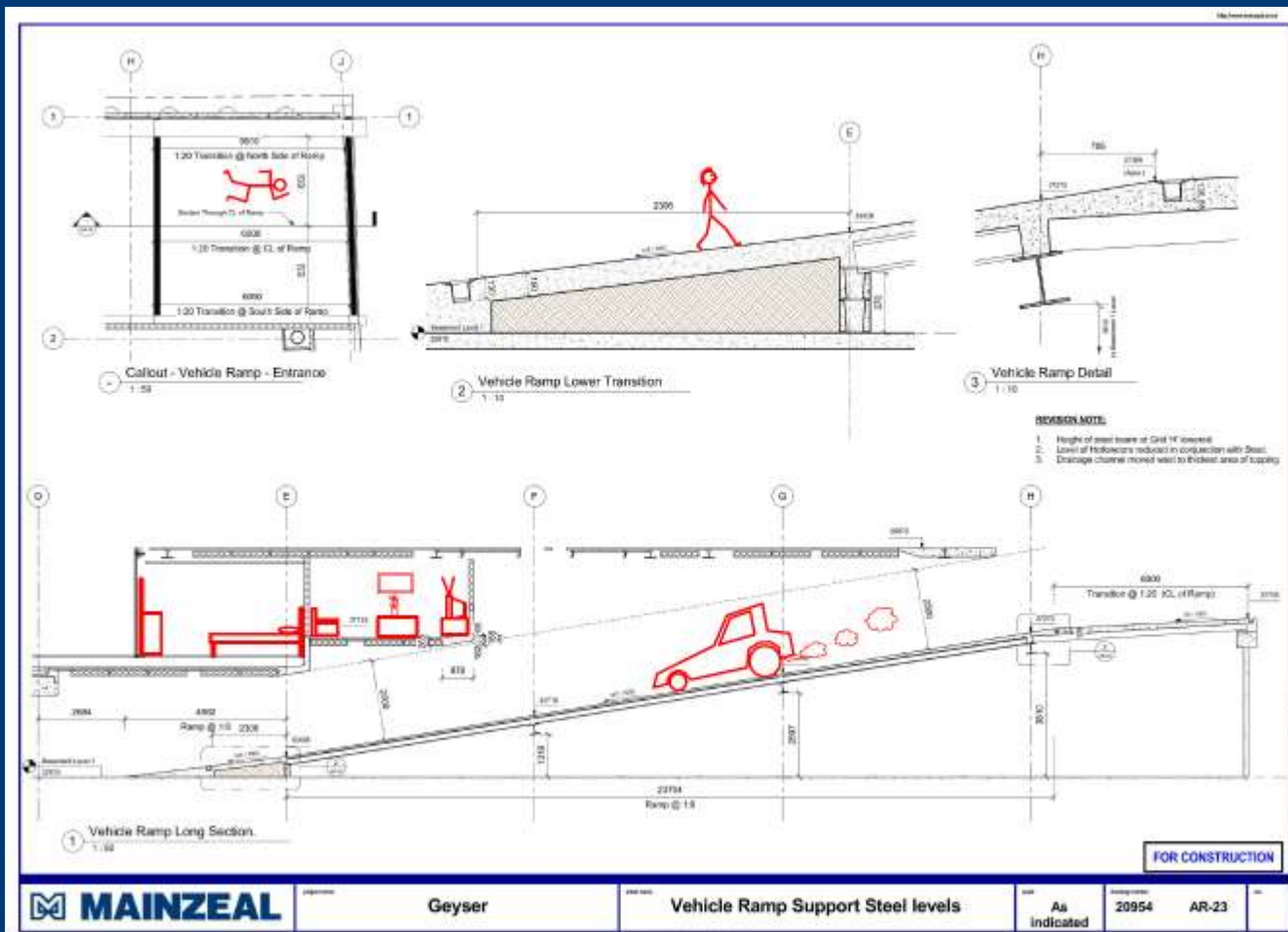
Where to from here.....



Where to from here.....



Electronic Mark-up of Drawings



Where to from here.....



Where to from here.....



Questions.....?

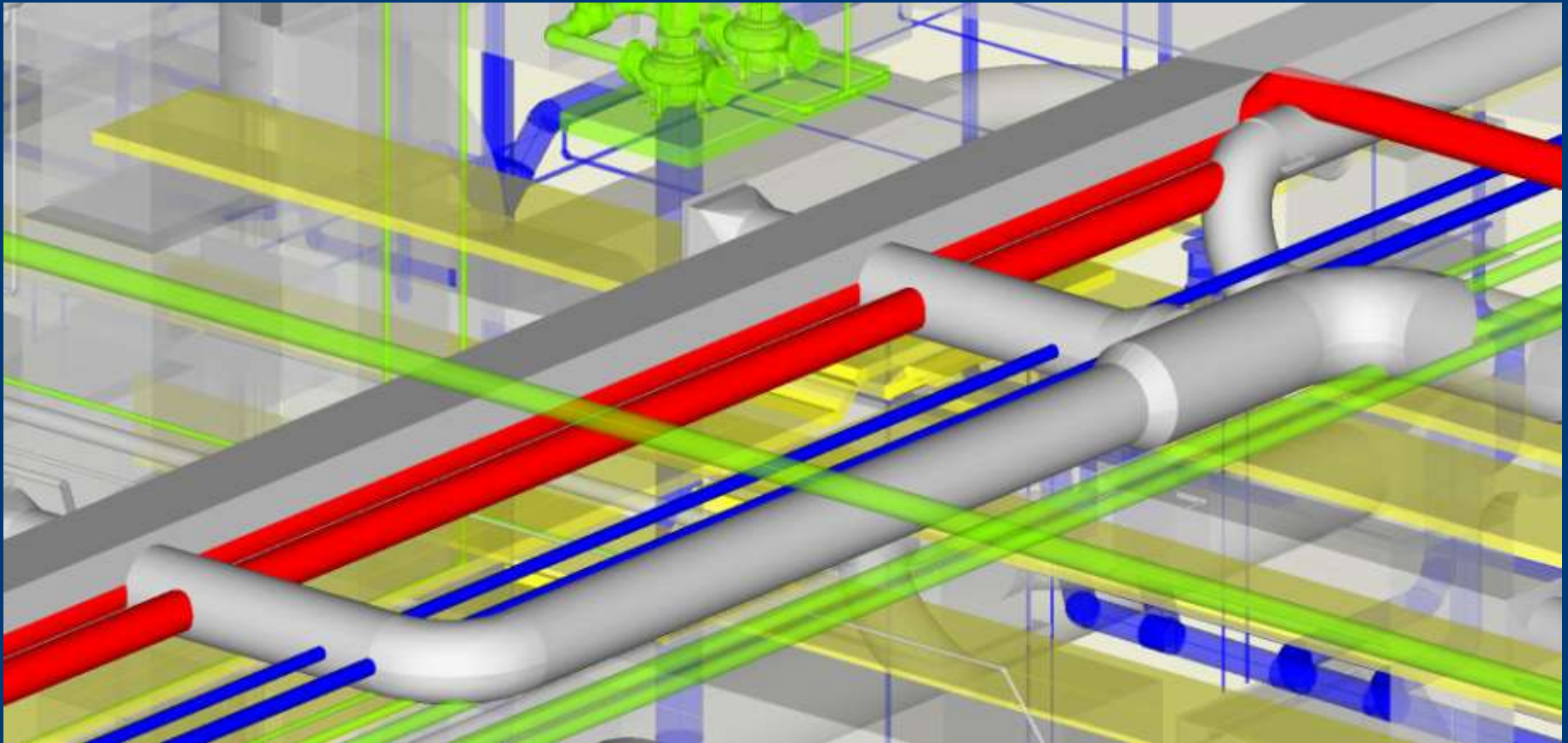




Mainzeal House, 200 Victoria Street, Auckland



Argent Hall, Auckland CBD



Mechanical Services Clash Detection, Middlemore Hospital



Crane Study, Tepid Baths, Auckland



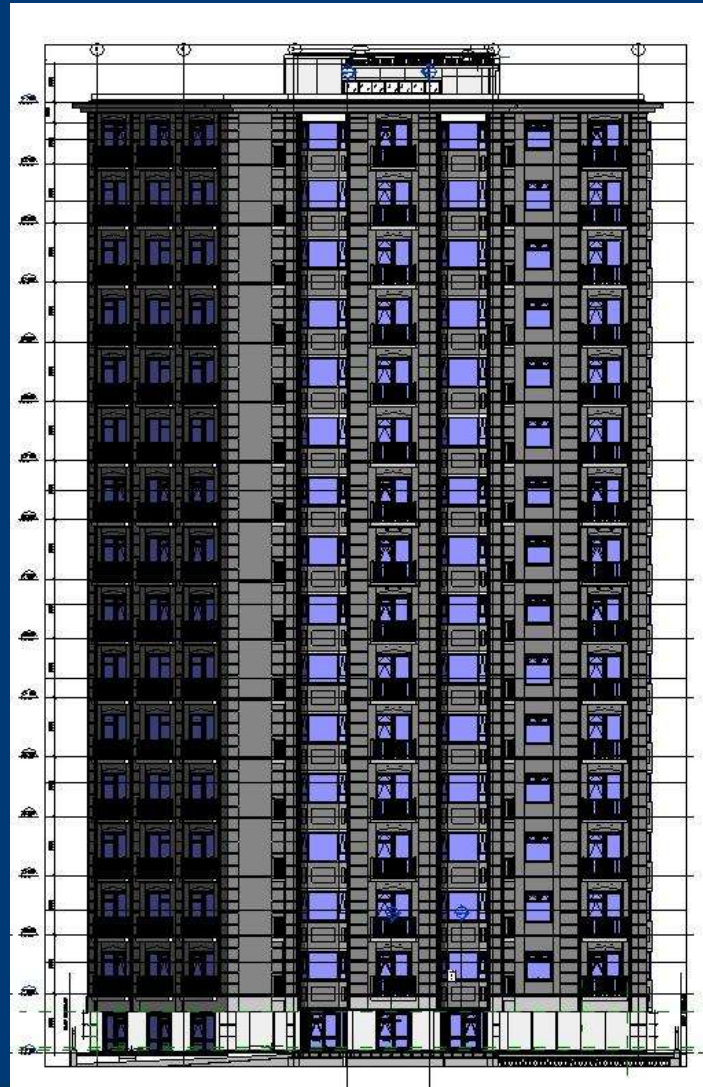
Geyser Building, Parnell, Auckland



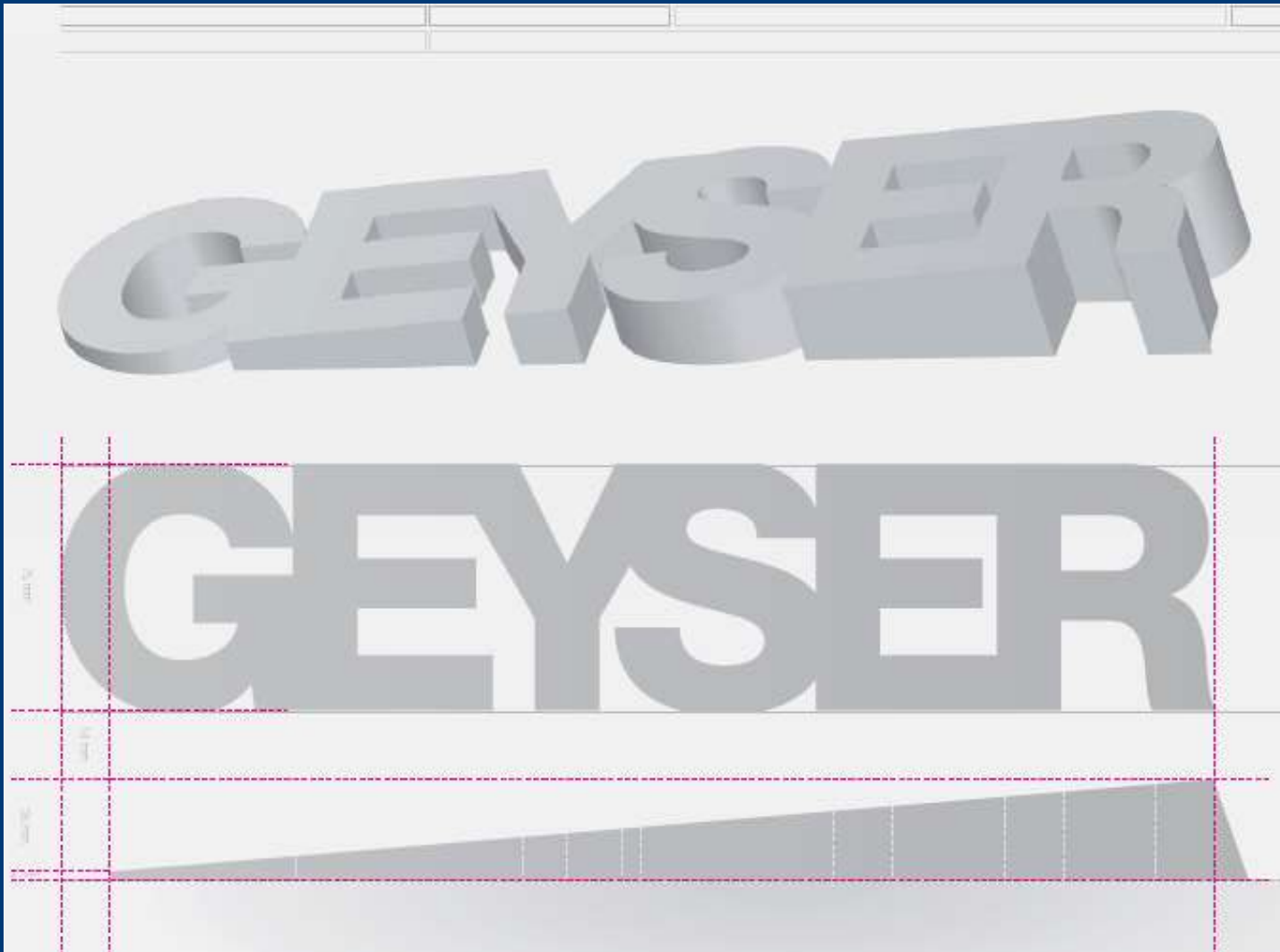
King Façade, 40mm Joinery Detail



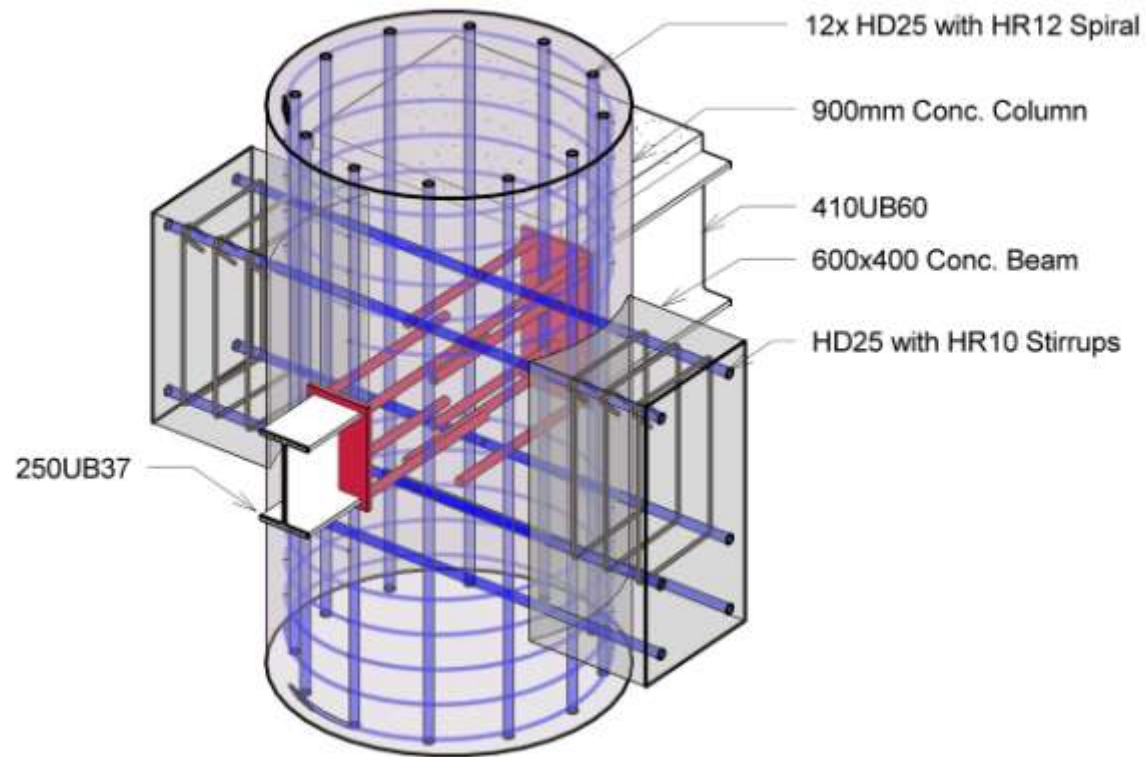
King Façade, 150mm Joinery Detail



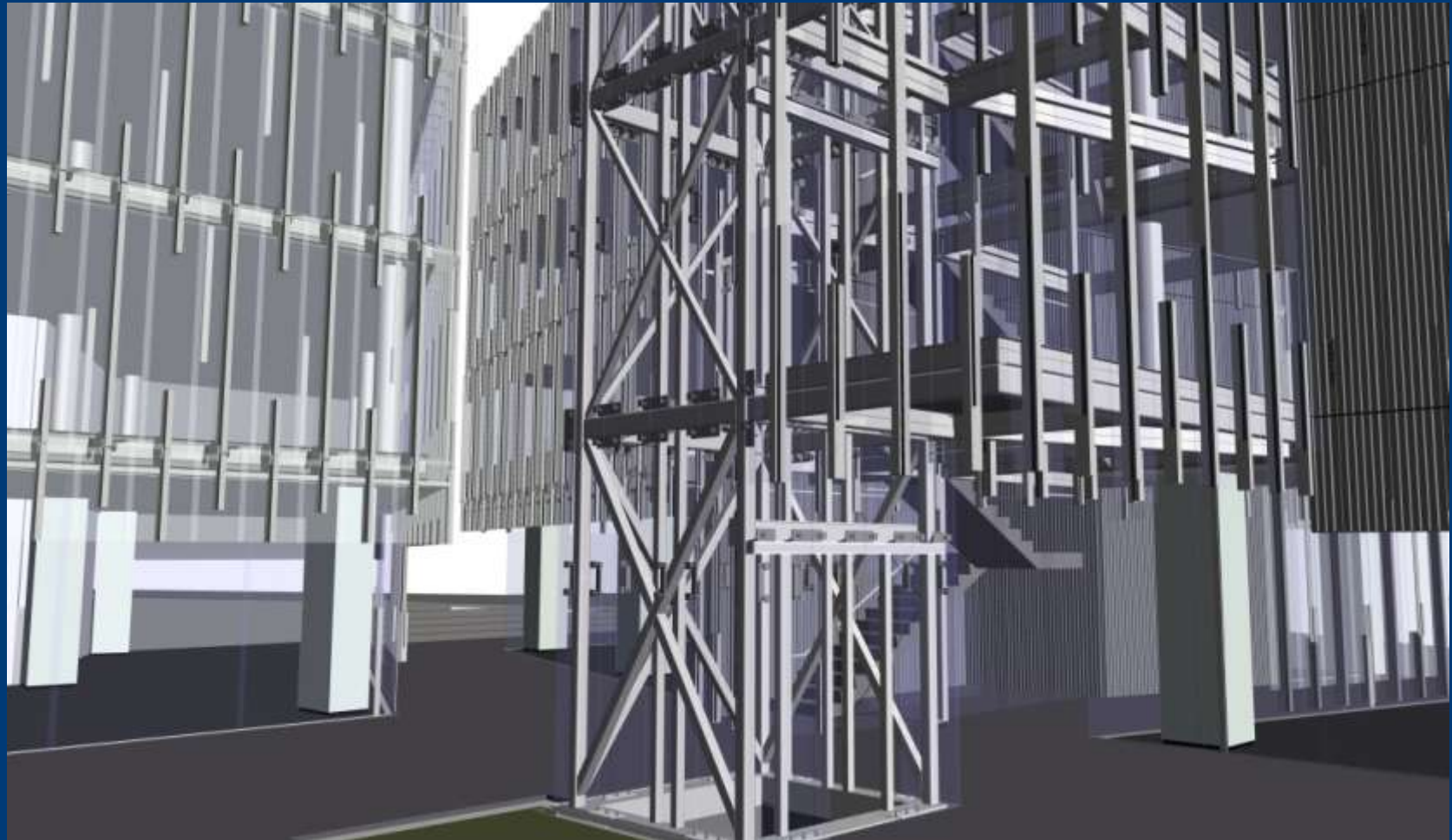
Argent Hall, Auckland CBD



GRC profile, Geyser Building



Critical Junction, Victoria University of Wellington



External Lift Shaft, Geyser Building, Auckland



Accessible Bathroom, Mainzeal House, Auckland

