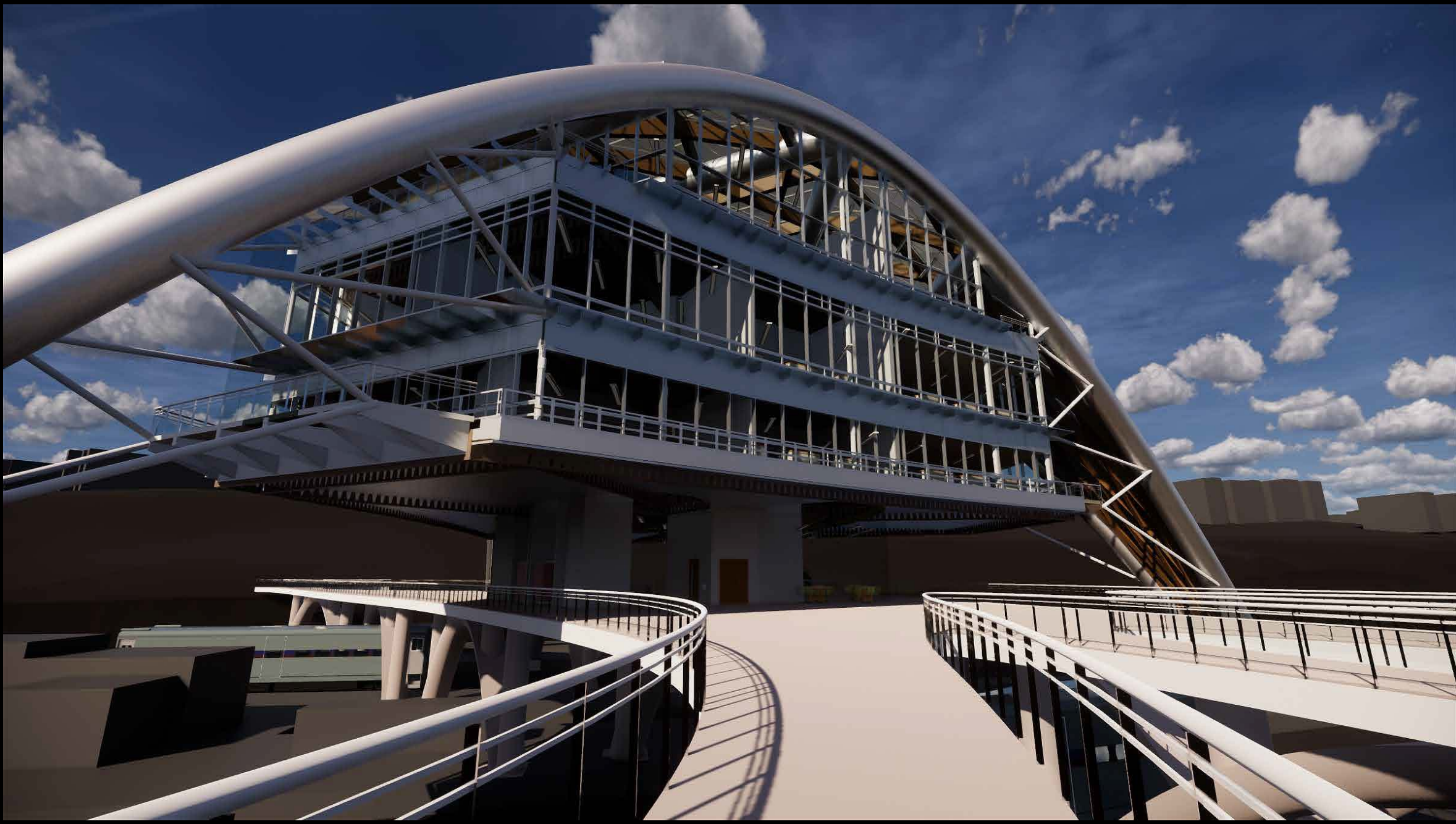


FINAL YEAR PROJECTS 2020



PROJECT INTRODUCTION

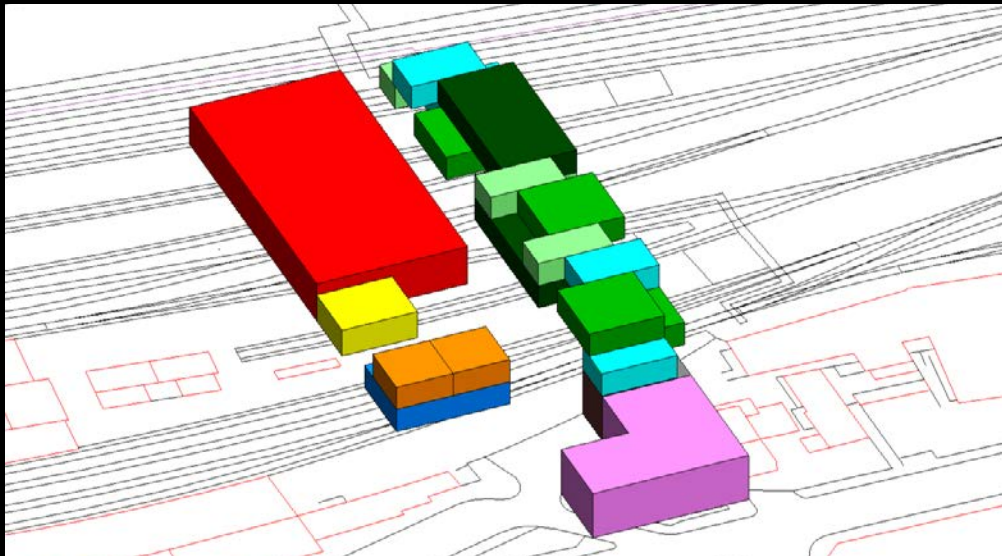
The project this year was to design a convention centre at Sheffield Railway Station, to respond to the increase in trade and business that would come when the HS2 fast rail link to London is completed.



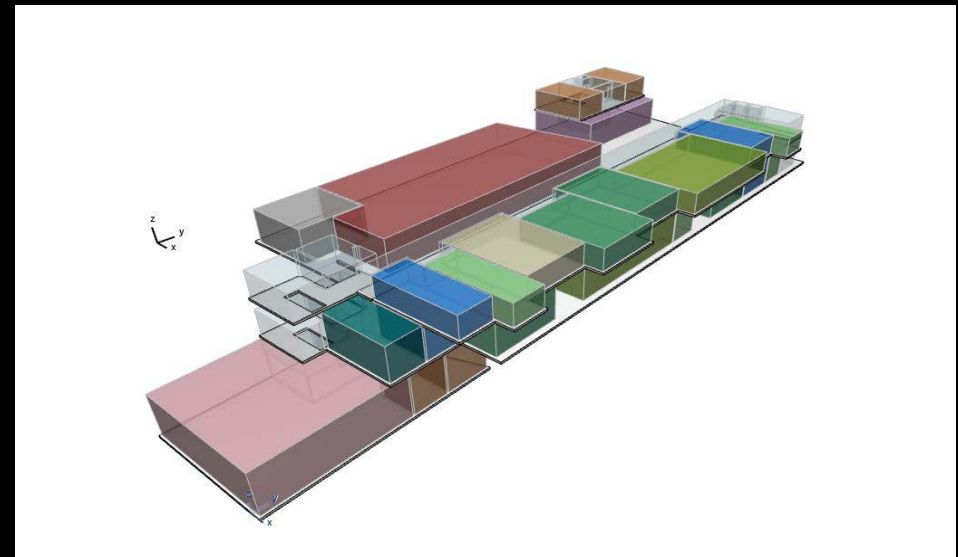
The project brief includes a flexible exhibition space and a series of offices as well as a new public bridge to connect the two sides of the city across the valley in which the station sits.

SHEFFIELD HS2 LINK BUILDING

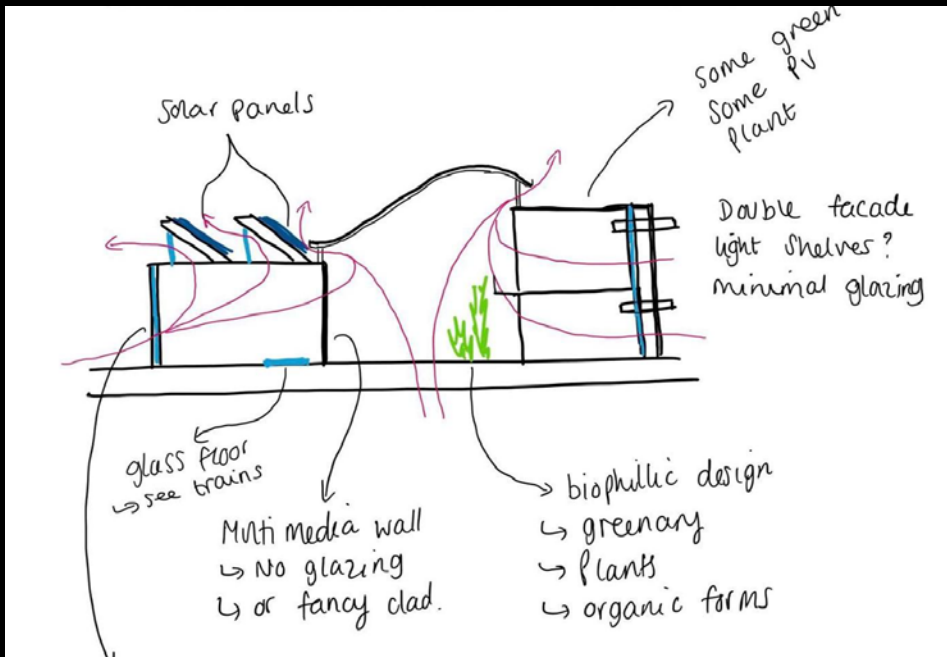
DESIGN PROCESS #1



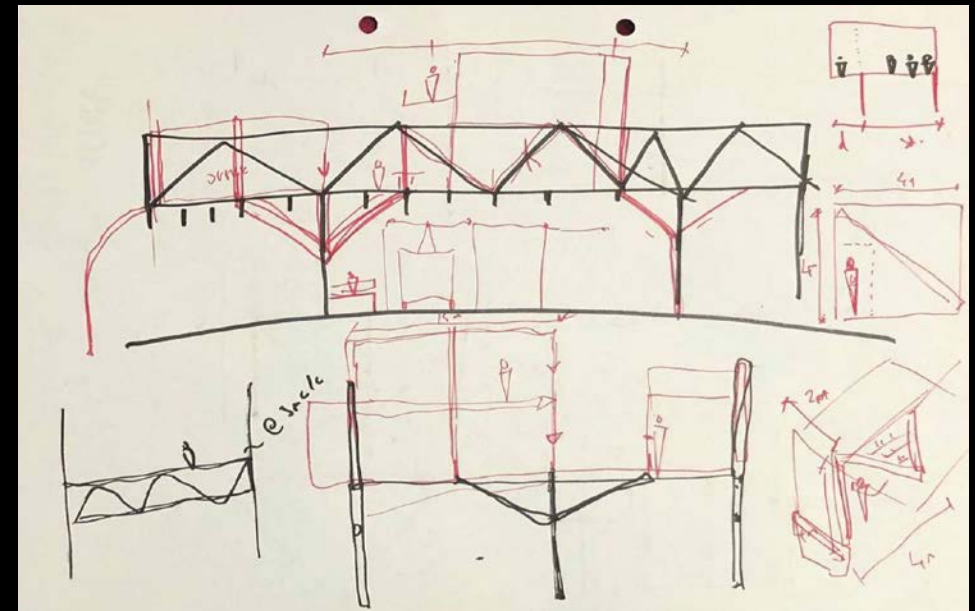
EARLY DESIGN MASSING STUDY



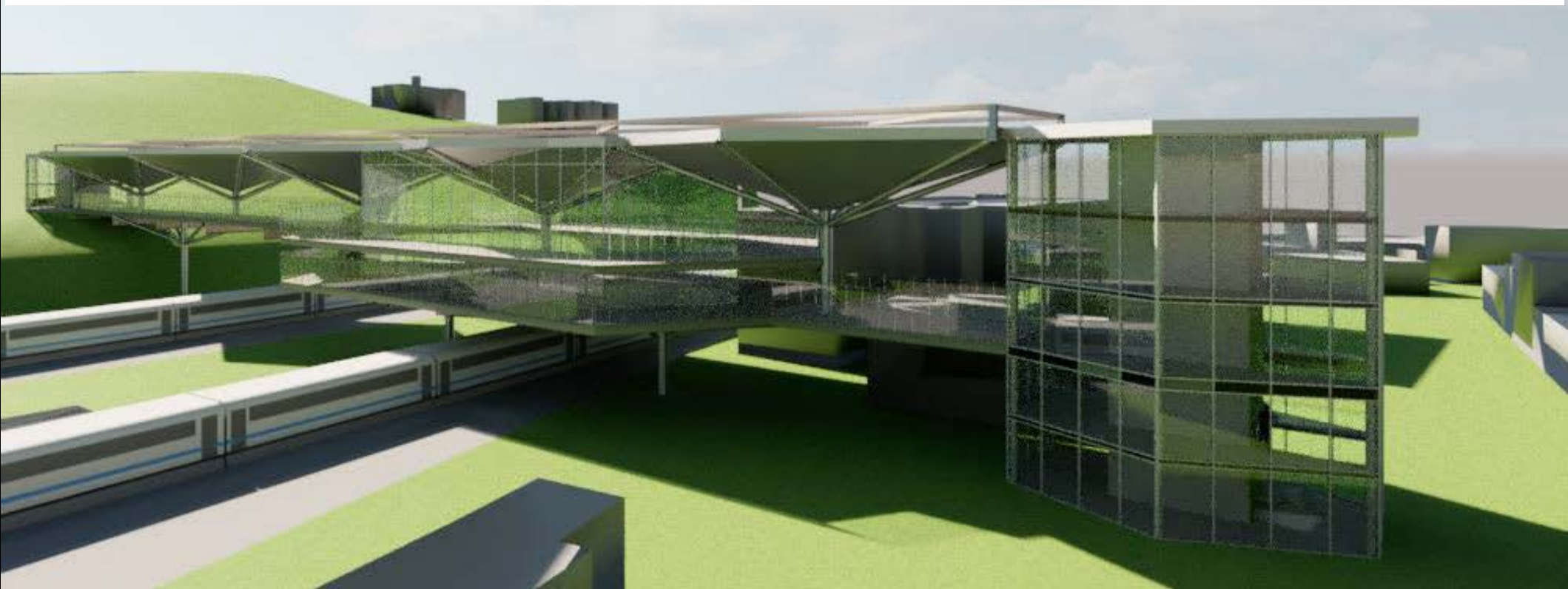
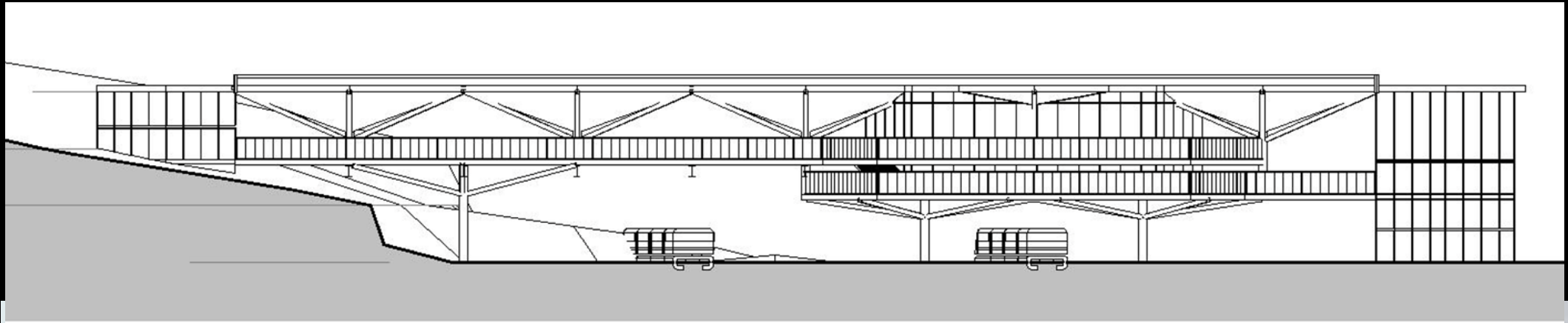
DEVELOPED DESIGN MASSING STUDY



INITIAL ENVIRONMENTAL STRATEGIES



INITIAL STRUCTURAL STRATEGIES



DEVELOPED MASSING and STRUCTURE STUDY



JOE DAWSON



IDEAS FOR GREEN PUBLIC SPACES ALONG THE BRIDGE

BEN HALL



MULTI-STOREY PROPOSAL FOR KEY CITY IMPACT

Section C-C, Elevation and Plan Detail C1
Scale 1:25

The image displays a series of architectural drawings for Section C-C, showing elevations and plan details for various levels of a building. The sections are labeled on the right side, indicating their vertical positions relative to a datum:

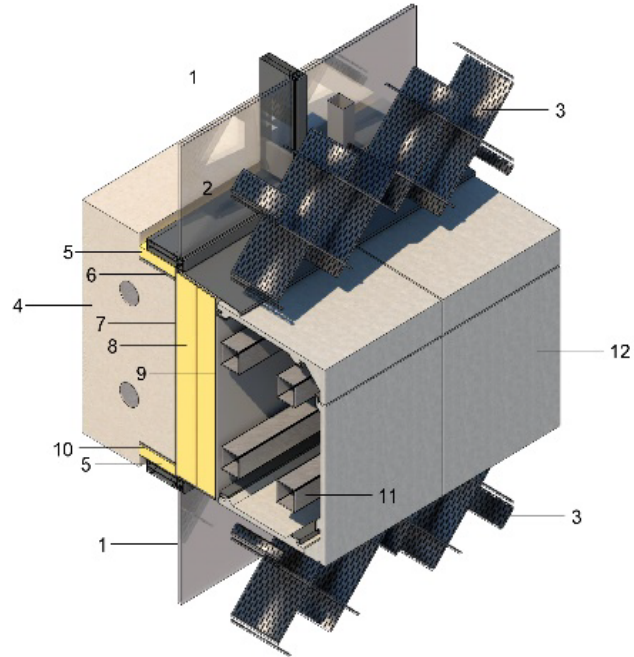
- 04 T.O. Parapet +85.60
- 03 Third Floor +79.00
- 02 Second Floor +73.00
- 01 First Floor +67.00
- 00 Ground Floor +61.00
- 01 Lower Ground Floor +54.00

The drawings include:

- Elevations:** Vertical sections showing the building's facade and internal structure. The elevations are labeled with 'C' and '3' at the top, indicating the section line and a specific detail or level.
- Plan Details:** Horizontal sections showing the building's footprint and internal layout. These are labeled with 'C1' and 'C' at the bottom, indicating the section line and a specific detail or level.
- Labels:** Various labels are present throughout the drawings, including 'G03 Central Atrium', 'L01 Deliveries Store', and 'L01 Deliveries Store'.
- Scale:** The scale is indicated as 1:25.

The drawings illustrate the building's structure, including floors, walls, and roof, and provide a detailed view of the building's internal layout and external appearance.

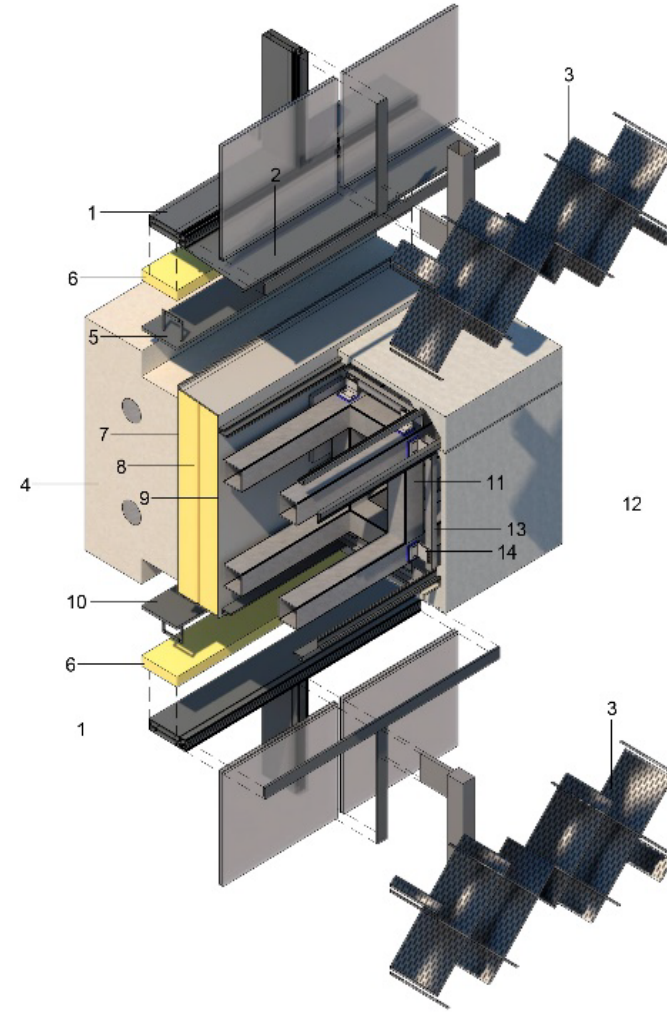




Detail C
scale 1:20

1. Shueco VISS HI curtain walling.
2. Aluminium sill profile joined with transom.
3. Powder coated perforated aluminium external lattice louvre.
4. Post-tensioned concrete beam.
5. Shueco curtain walling base attachment.
6. Insulated cavity between transom and beam.
7. TEC DBR 0.4mm self adhesive elastomeric bitumen vapour barrier.
8. 2 no. Layers of 125mm Kingspan Kooltherm K15 rainscreen board.
9. Breather membrane.

10. Shueco curtain walling head attachment.
11. Rectangular hollow section steel frame.
12. 40mm Glass fibre reinforced cladding panels.
13. Vertical cladding rails.
14. Helping hand brackets.

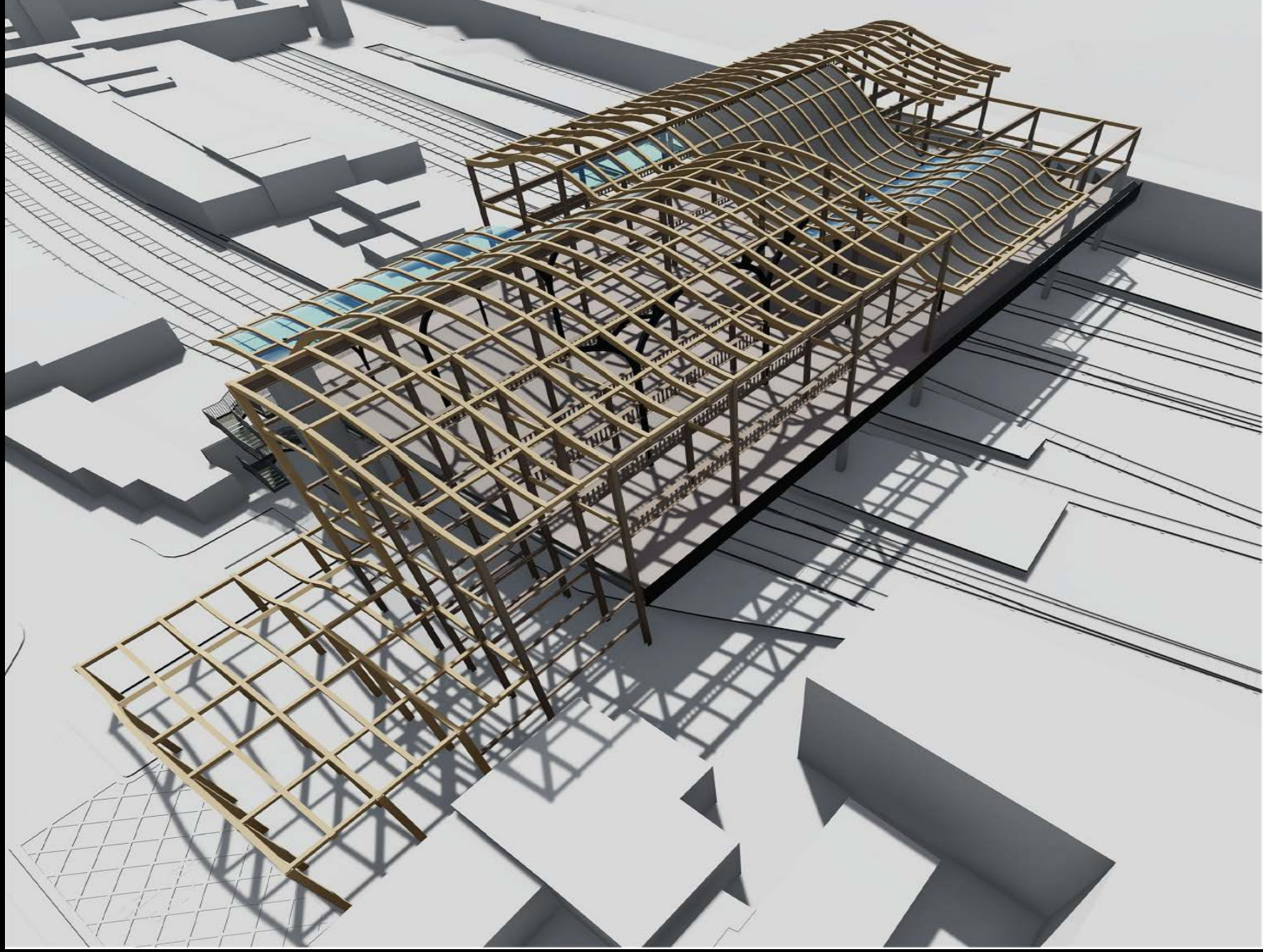


ETHAN DUNBOBBIN

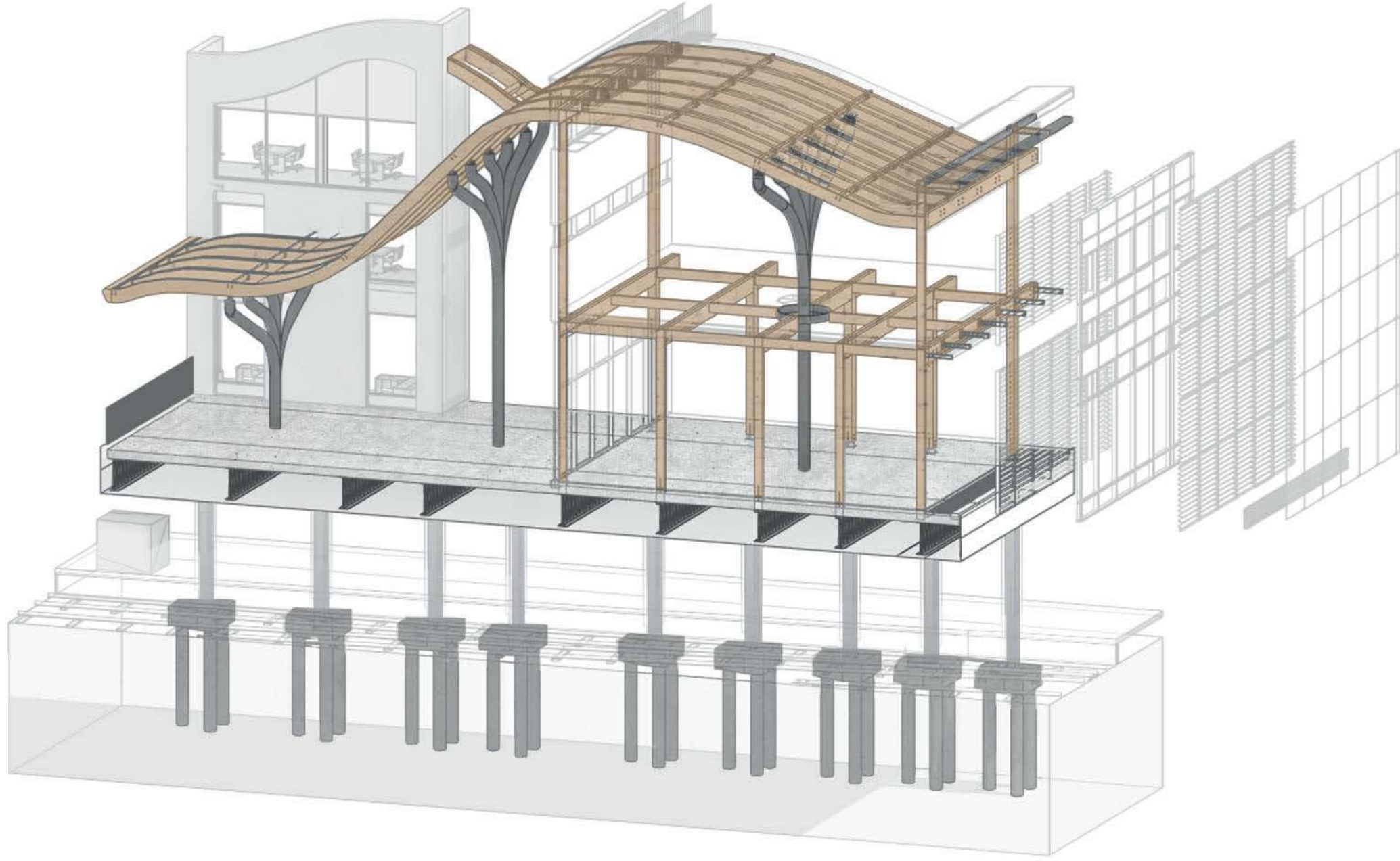


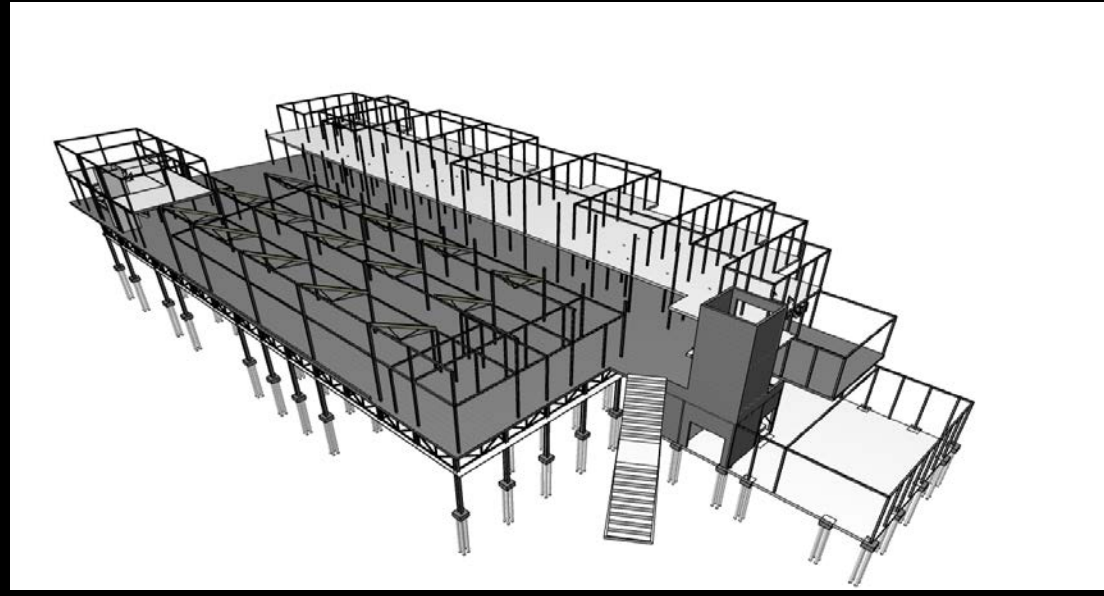
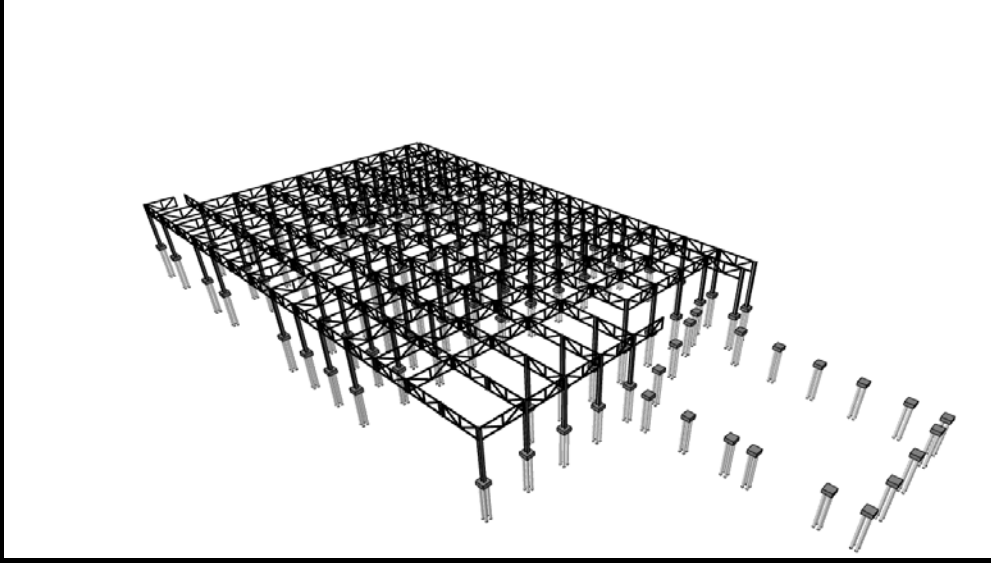
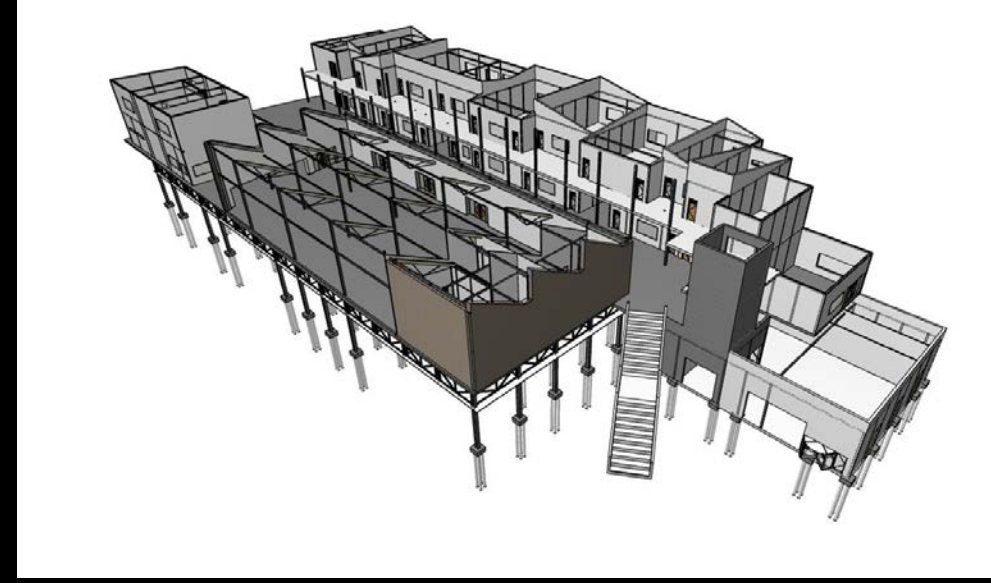
PUBLIC BRIDGE DESIGNED AS A NEW CITY DISTRICT

ETHAN DUNBOBBIN



REVIT MODEL OF PREFABRICATED TIMBER STRUCTURE



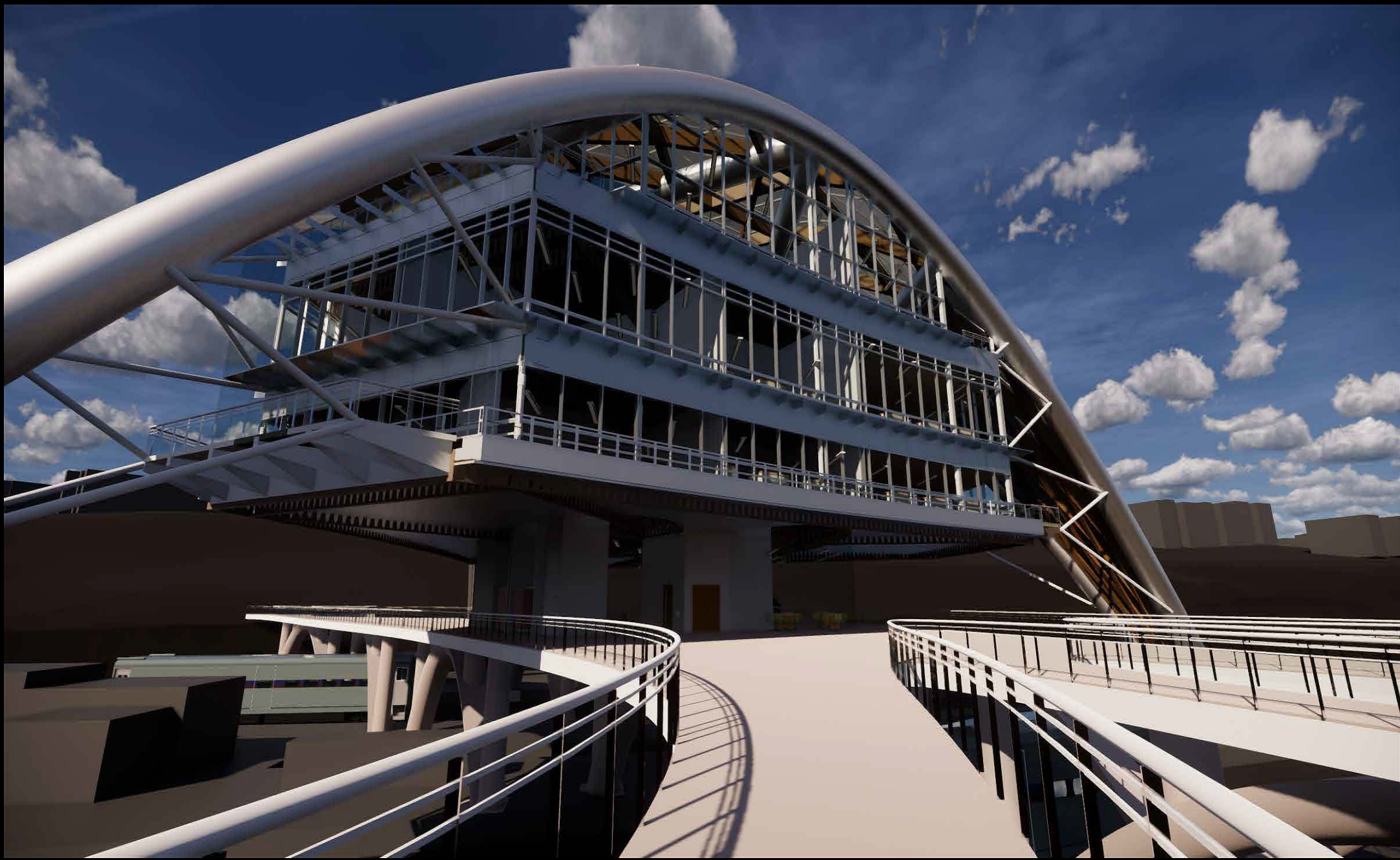


DINEKA KEATON



CONSTRUCTION STUDY OF CENTRAL MODULE

HENRY YANG



EXPLORATION OF MEGA-ARCH STRUCTURES

HENRY YANG



HIGH-LEVEL EXHIBITION SPACE & GRID STRUCTURE