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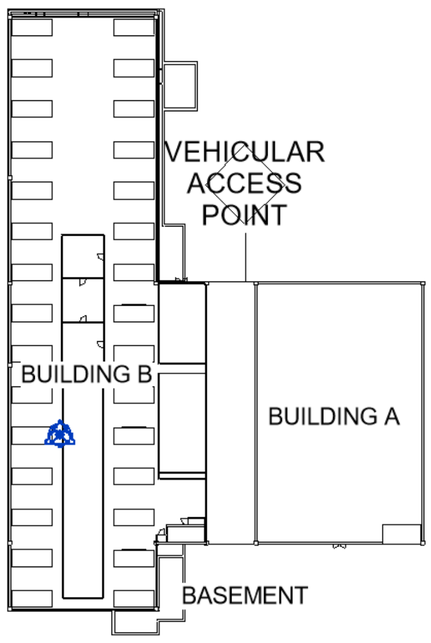
Location Plan 1:2000



About the Project Development

The project development is intended to satisfy the training needs of the construction industry

Design Concept:

The design concept of our project is to maintain the disposition of the site while cost-effectively delivering the project

Building Form: Spatial Arrangement:

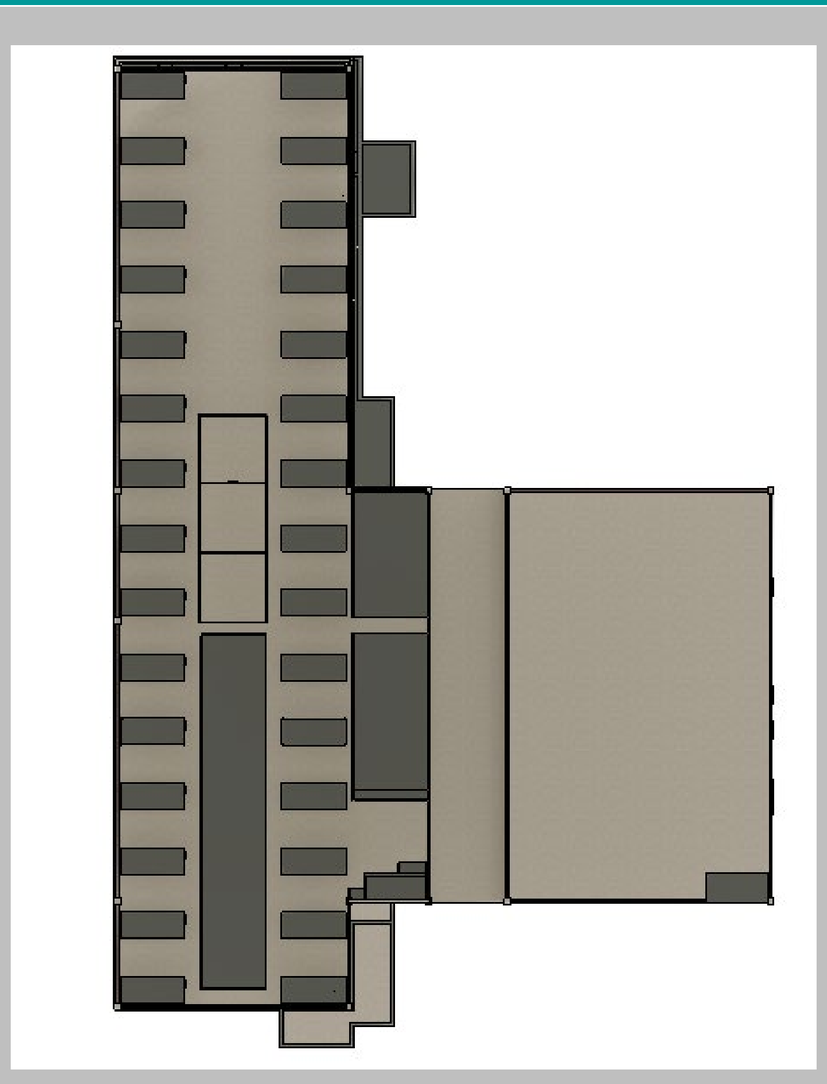
Building B is accountable for most of the teaching and learning facilities, while A is accountable for the sport facilities, and they are inter-connected.

Connectivity:

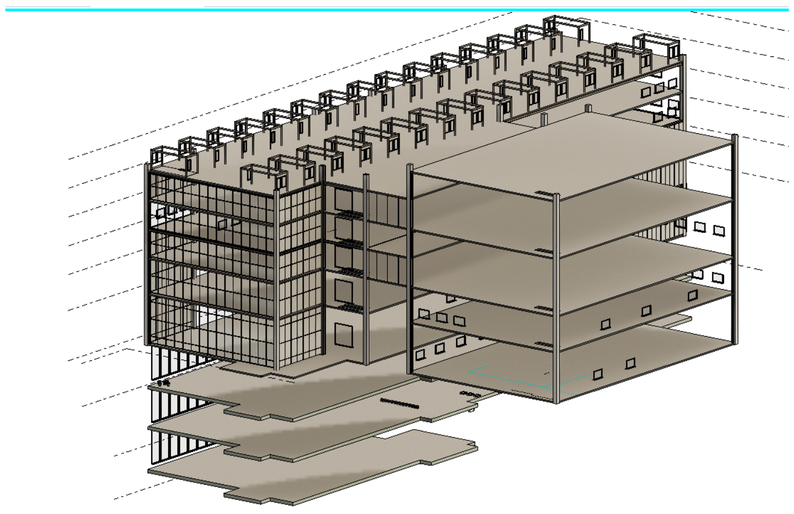
The building is well-connected with vehicular access and pedestrian access point

Sustainability:

The use of recycled material and I2 Cool paint highlighted the sustainability of the project



Overall Bird Eye view: Aiming to preserve the disposition of the site, we design a building with similar height and characteristics to the previously existing building



Building Form and Space: The structure is formed by the composition of two composite buildings and a basement.

Sustainability: Solar analysis and GIS are used to test our design against the external environment.

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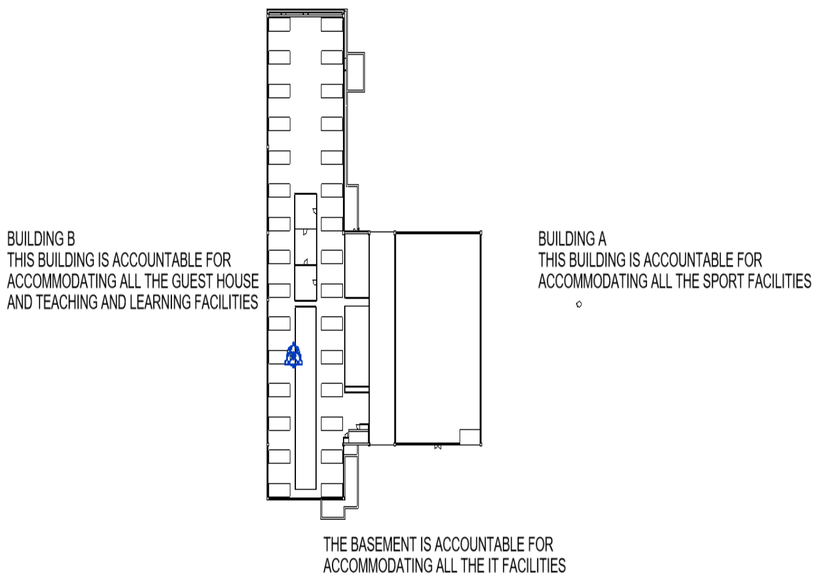
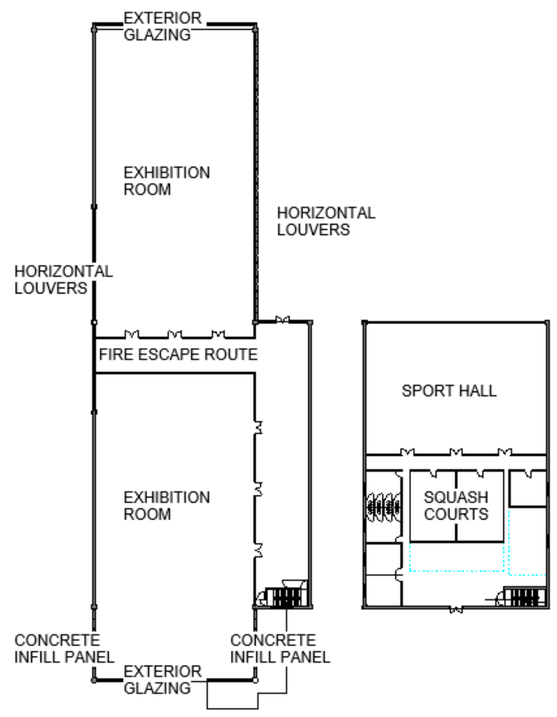
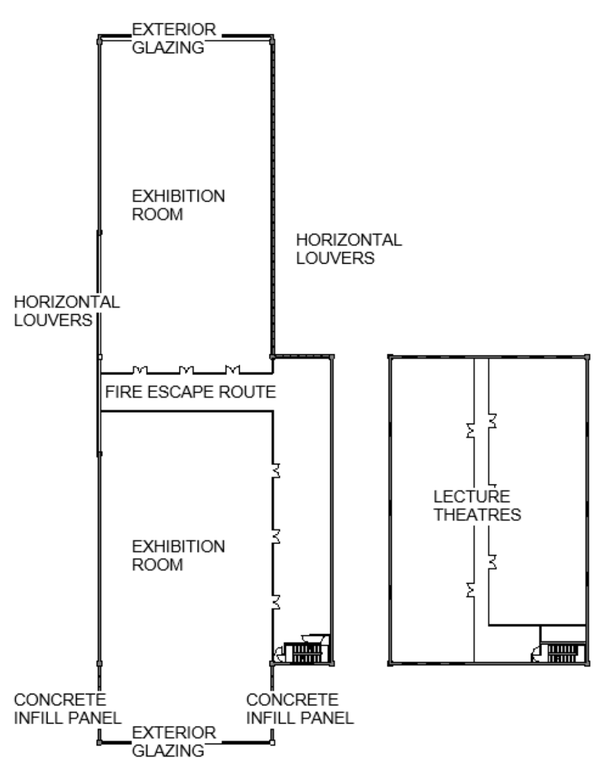
Site Layout Plan 1:1000



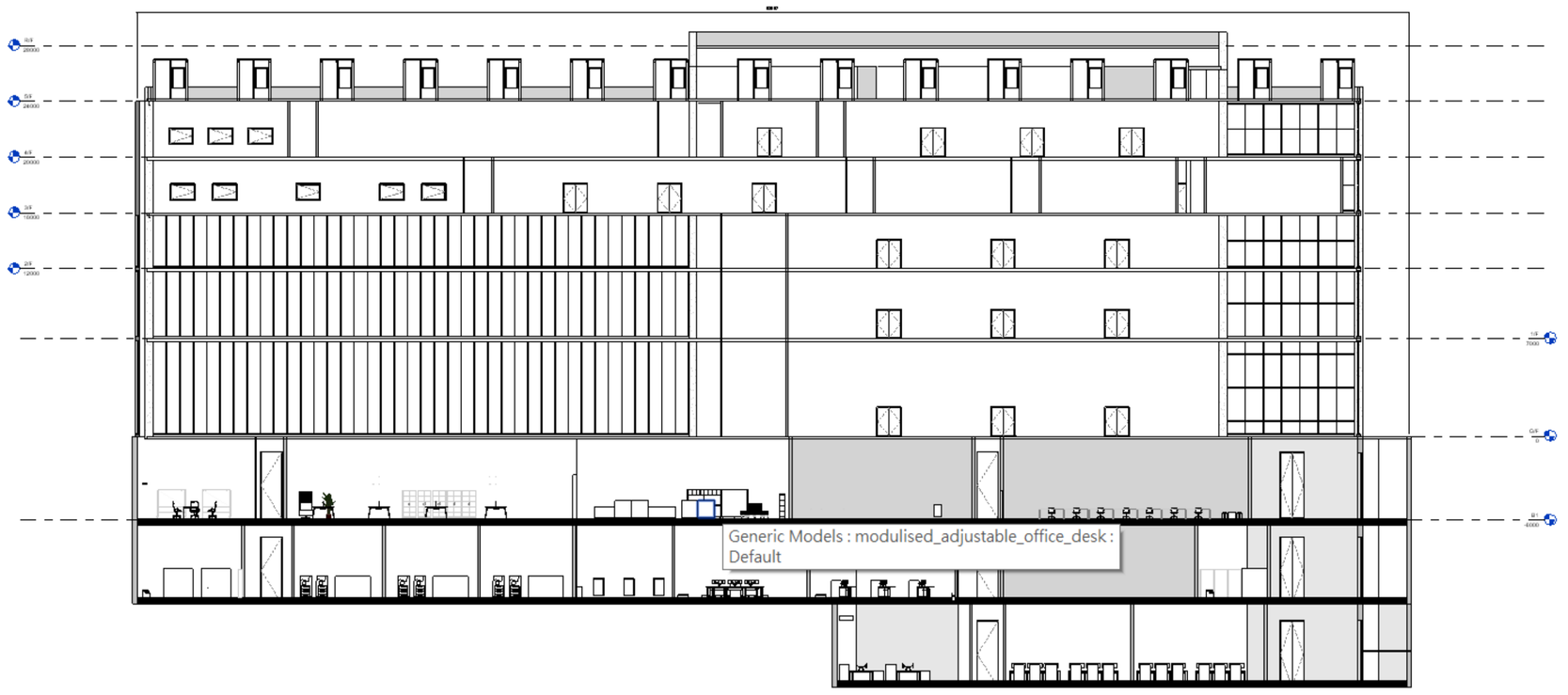
Perspective View: The architecture of the building optimizes cross-ventilation between the two sides through extensive use of louvers and natural lighting through exterior glazing.



e.g. Ground Floor Plan 1:500



e.g. Typical Floor Plan 1:500



Internal Perspective 1:500

Overall Bird Eye view (Night View)

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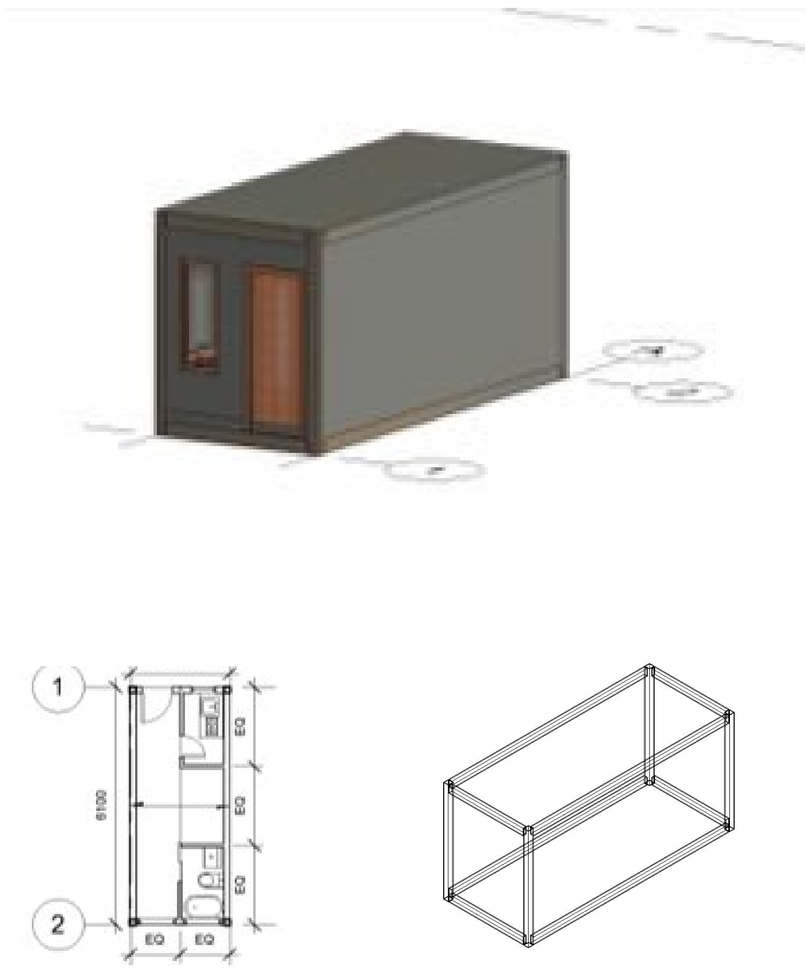
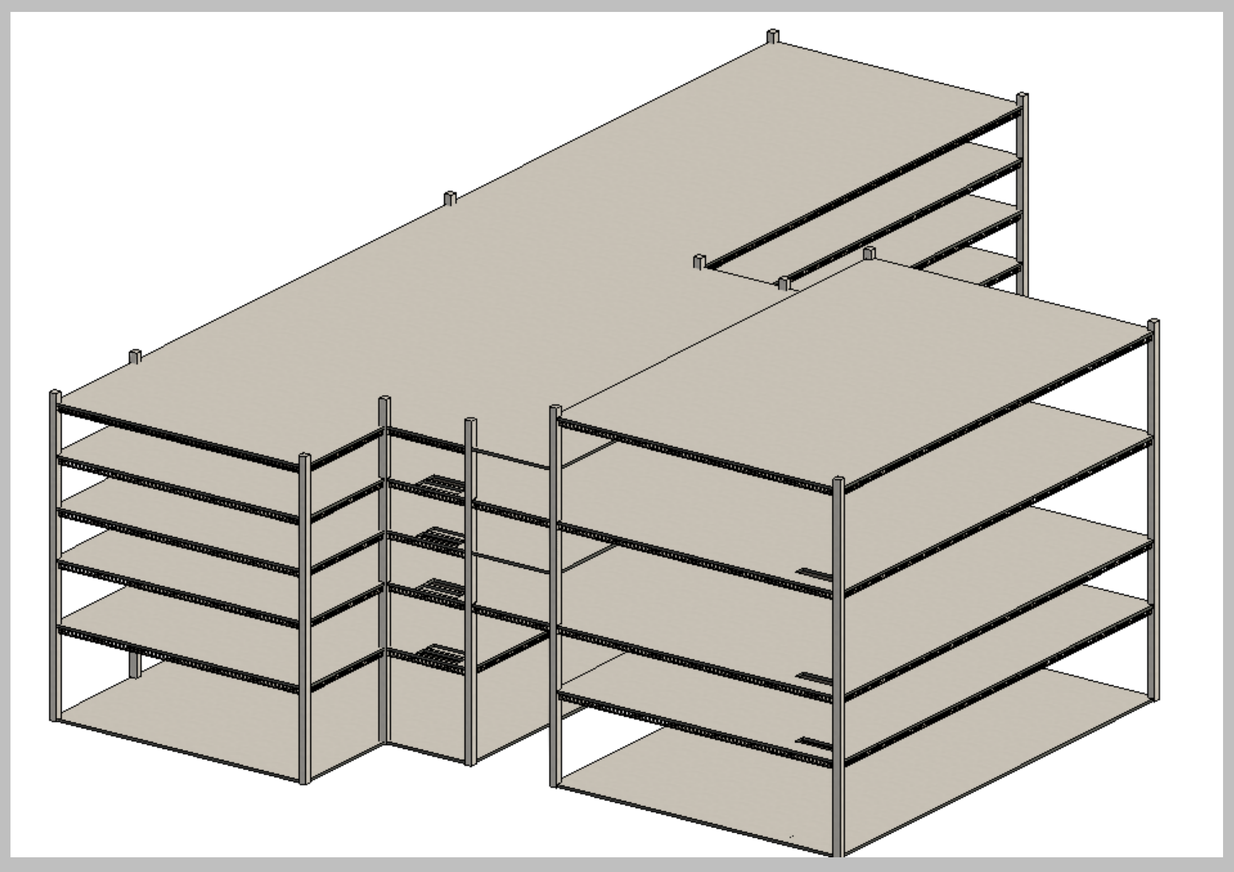
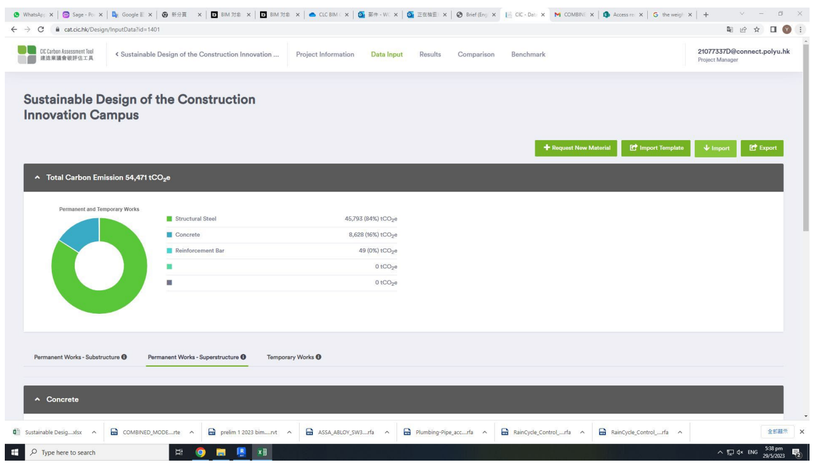


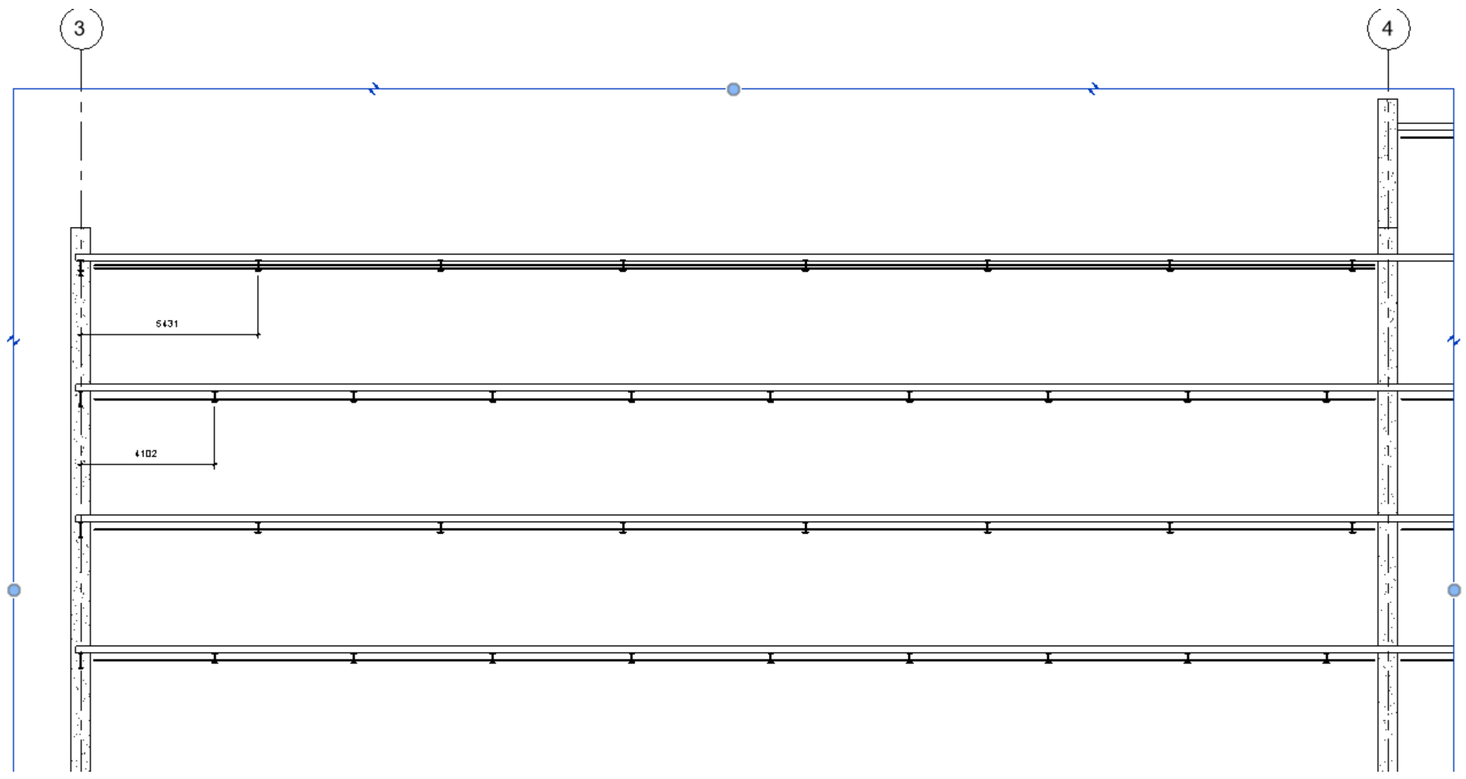
MiC, MiMEP and DfMA: The design concept of the MiC modules is to accommodate one guest in each unit, and the dimension is devised to optimize the logistics efficiency.



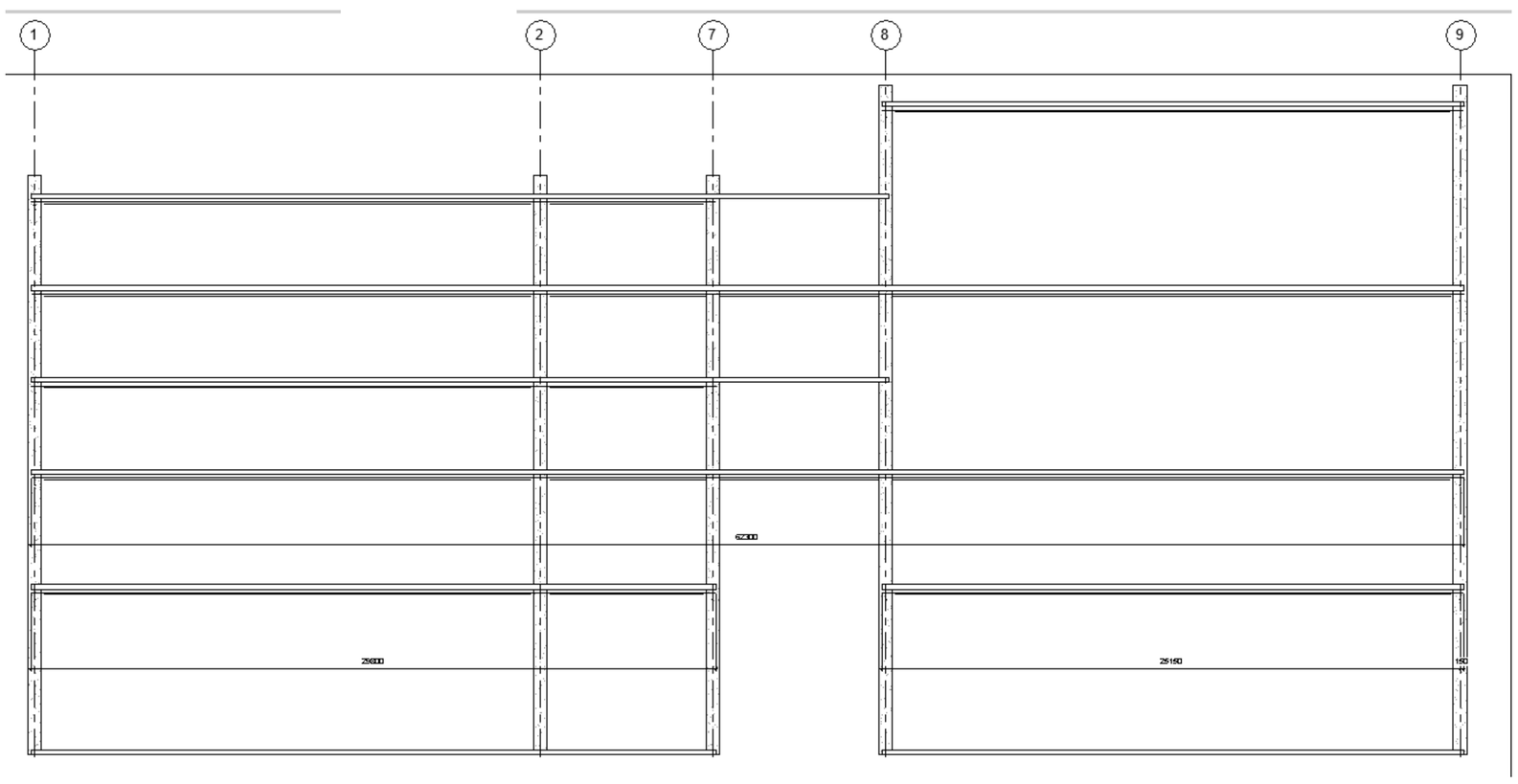
Perspective View: The main building adopts composite structure with the combined use of structural steel such as castellated beam and structural concrete, which greatly reduce the span of vertical structural elements, thus optimizing the spatial performance of the building.



Evaluation of embodies carbon: The carbon footprint is calculated from the assessment tool based on our quantity schedule generated from the Revit model



Internal Perspective 1:500



Sectional Perspective 1:500

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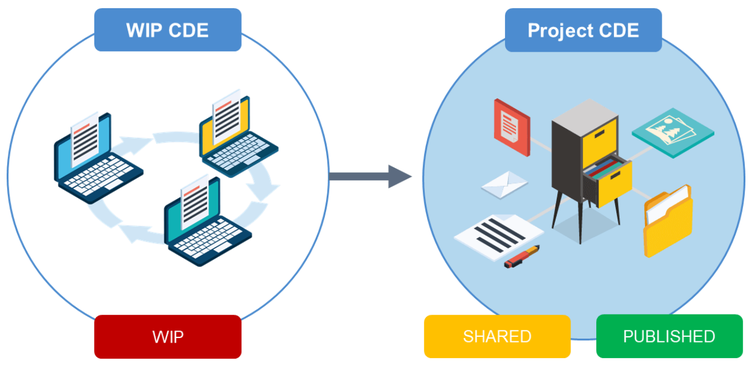
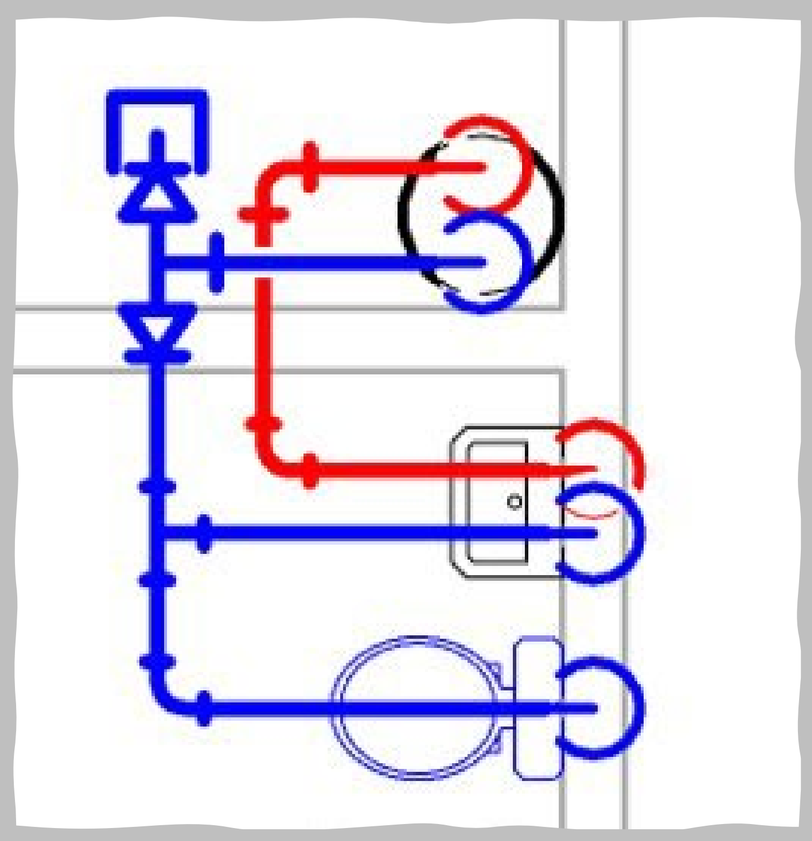
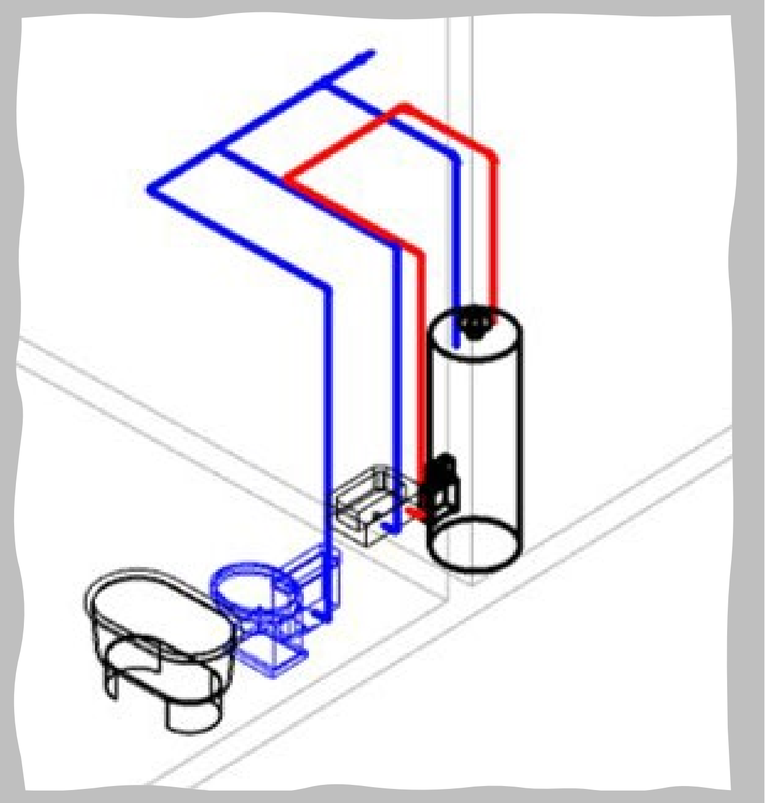


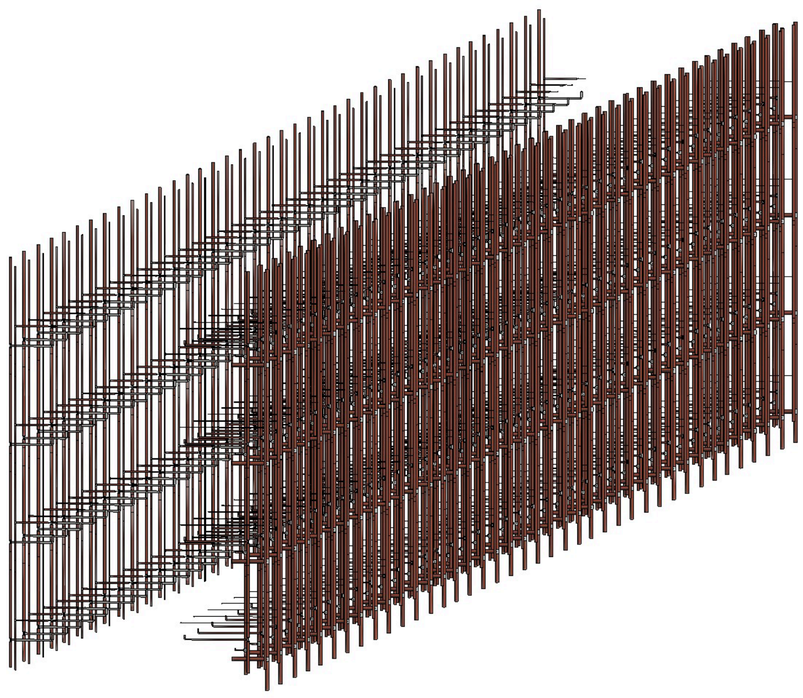
Design Coordination: We are well organized in the planning of our project while strictly following the Pre appointment BIM execution plan and distribute the work in accordance with plan.

- We follow the BIM delivery workflow process stated in **ISO19650**

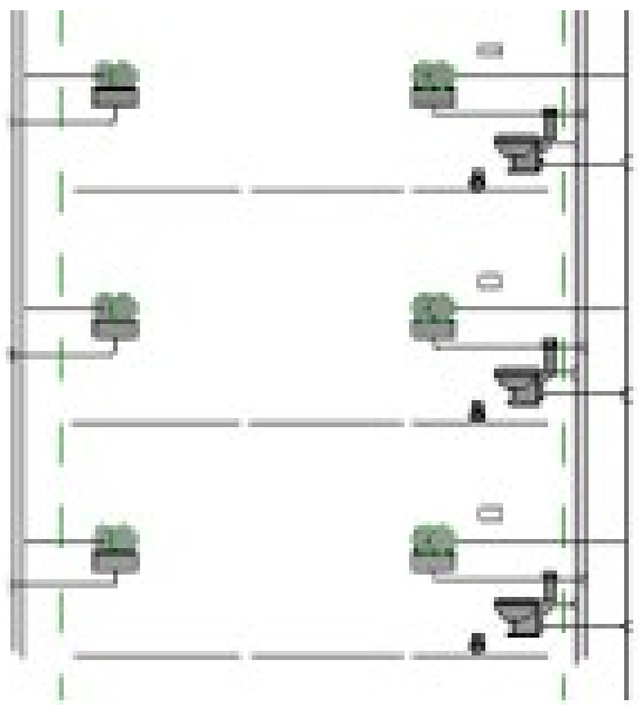




Perspective View: The design of our building has incorporated good ventilation, and the installation of HVAC system produces gigantic amount of energy consumption. Consequently, we only design simple plumbing and drainage system for the building services system.



Internal Perspective 1:500



Sectional Perspective 1:500

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