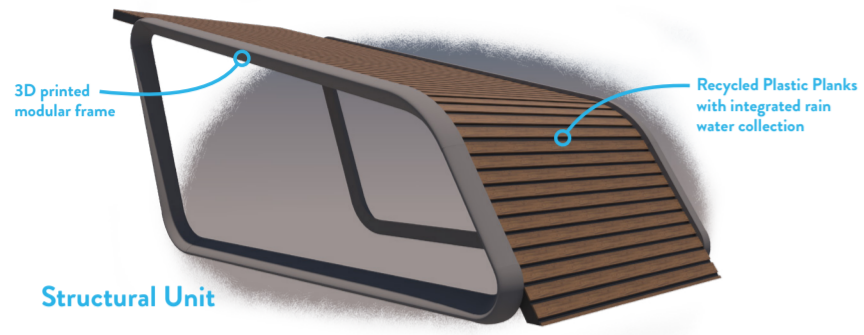


Modularity

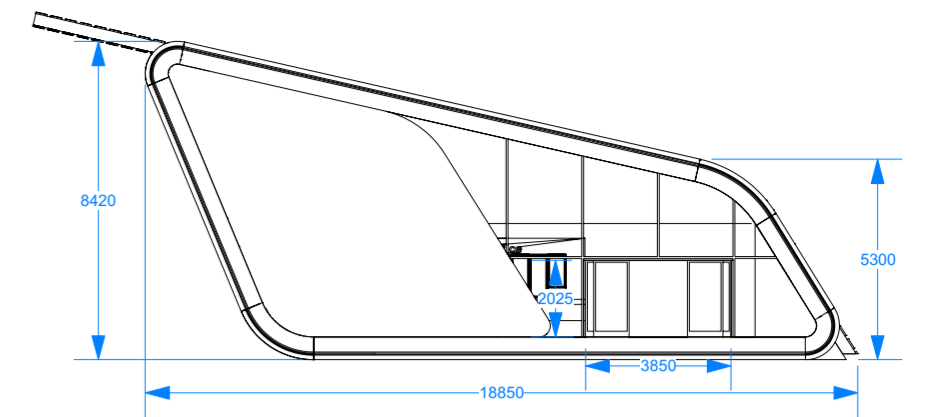
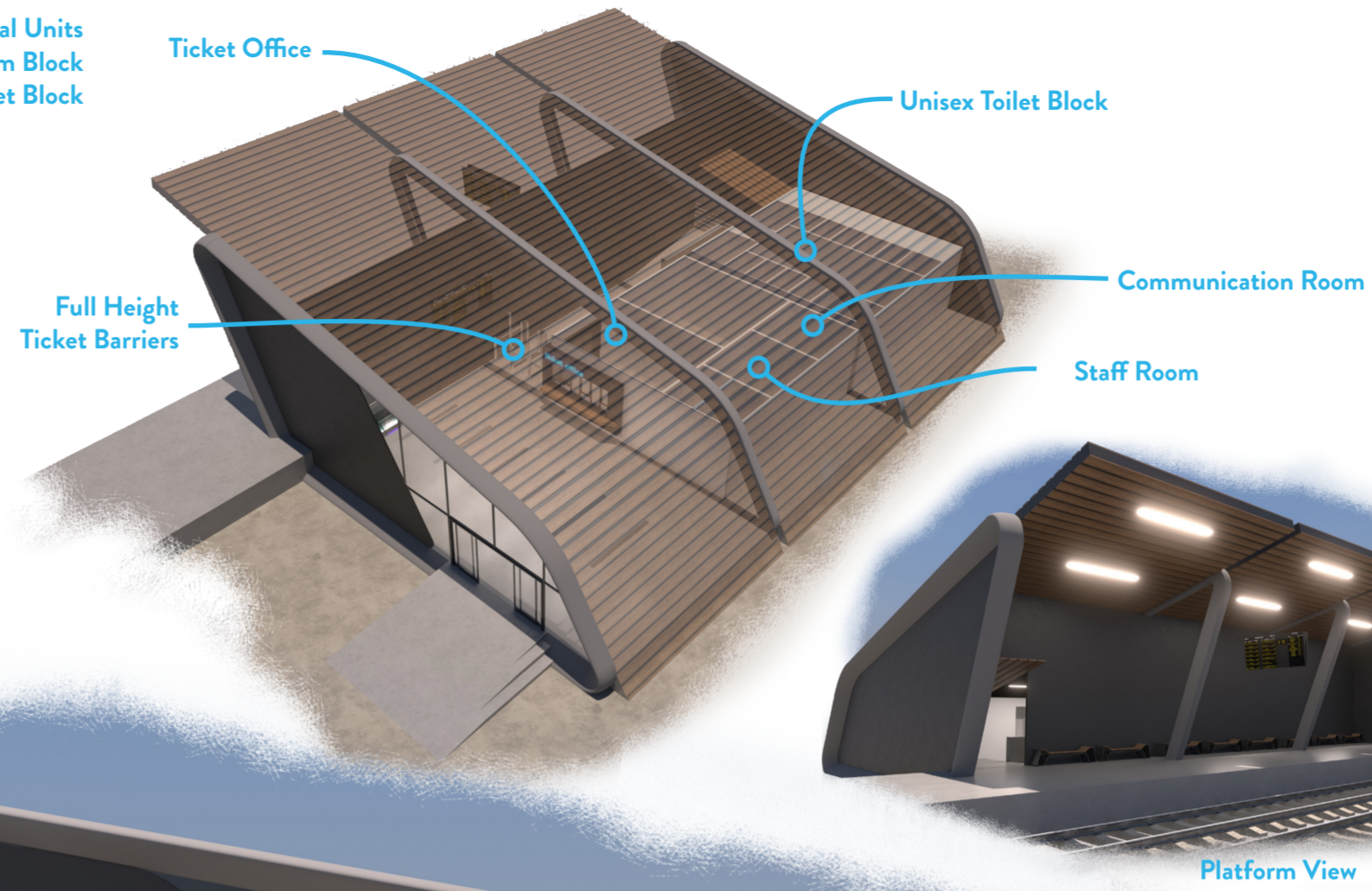
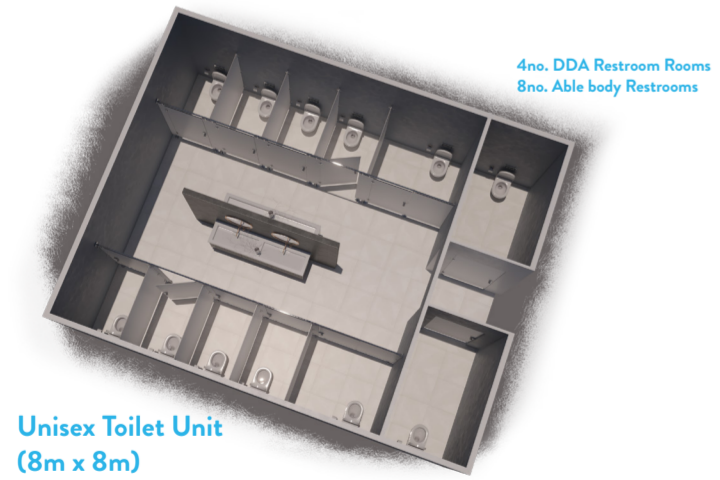
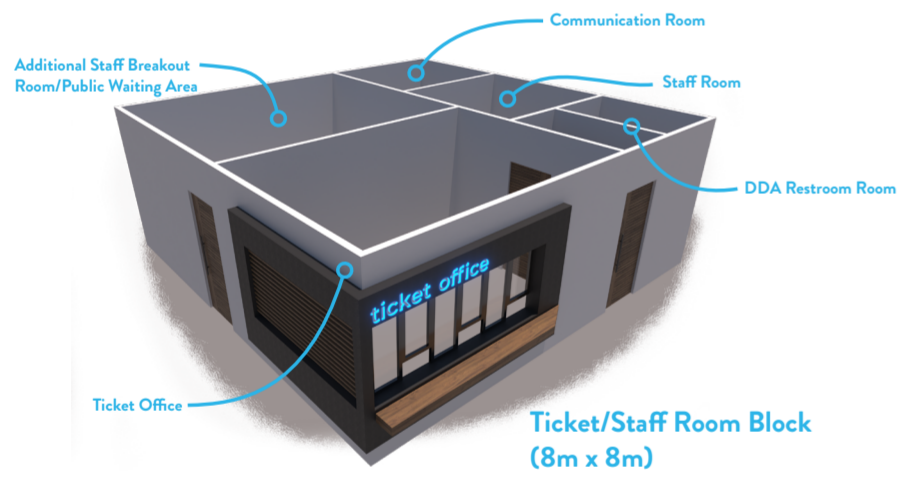
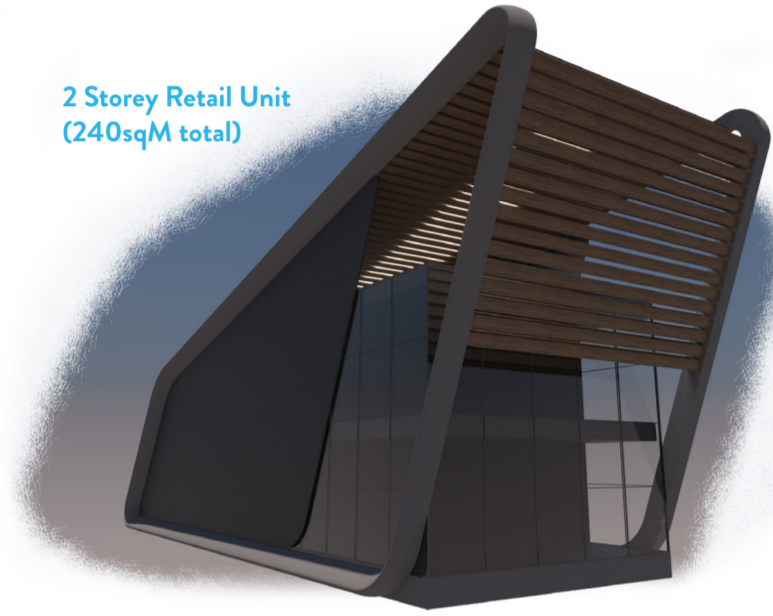
The central concept was to have a hugely modular design that allowed for multiple configurations, be it a super structure over an existing, protected station building or stations where space is a premium right up to creating a hub station with a built on retail park. Anything is possible, all designed around an 8m internal width, with all internal blocks designed to fit in any configuration.

Small Manned Station

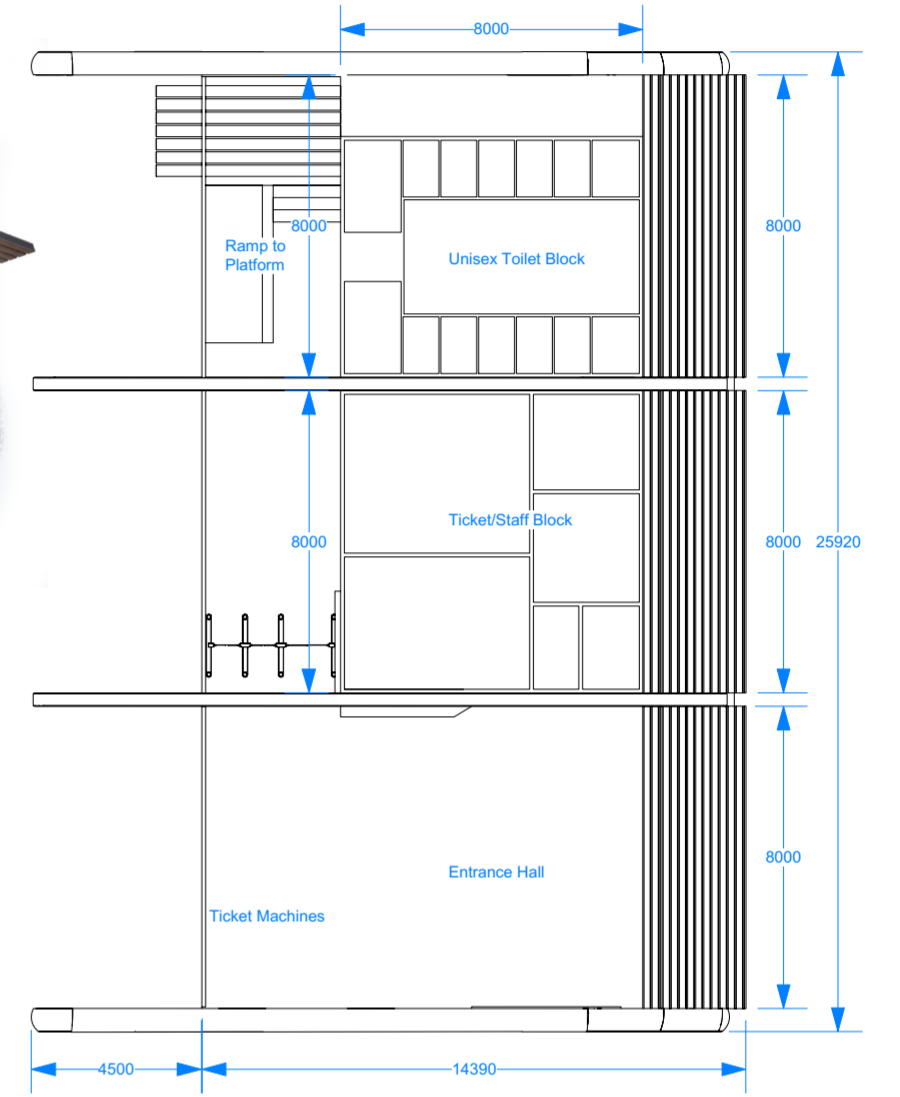
3no.+ Structural Units
Ticket/Staff Room Block
Unisex Toilet Block



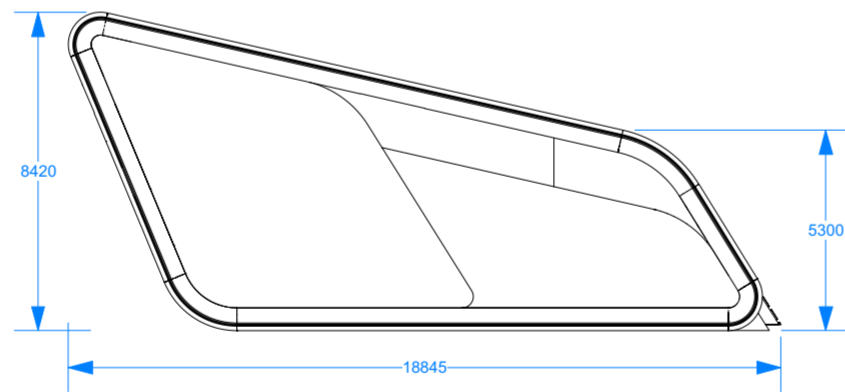
2 Storey Retail Unit
(240sqM total)



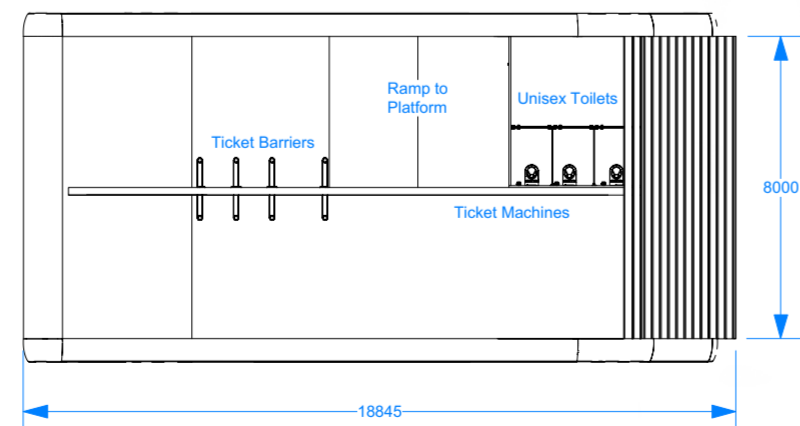
Small Manned - Side Elevation
Scale: 1:200



Small Manned - Plan View
Scale: 1:200



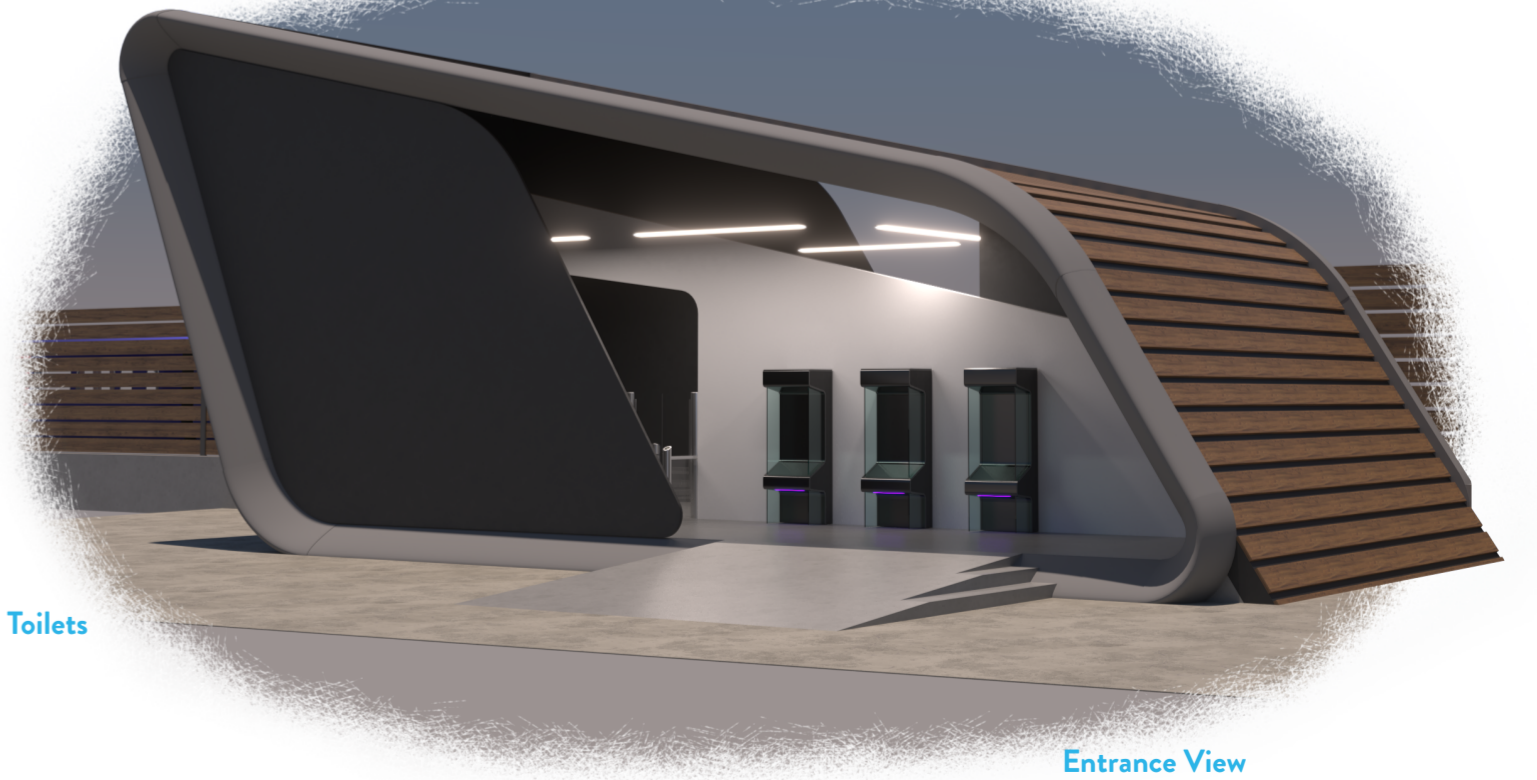
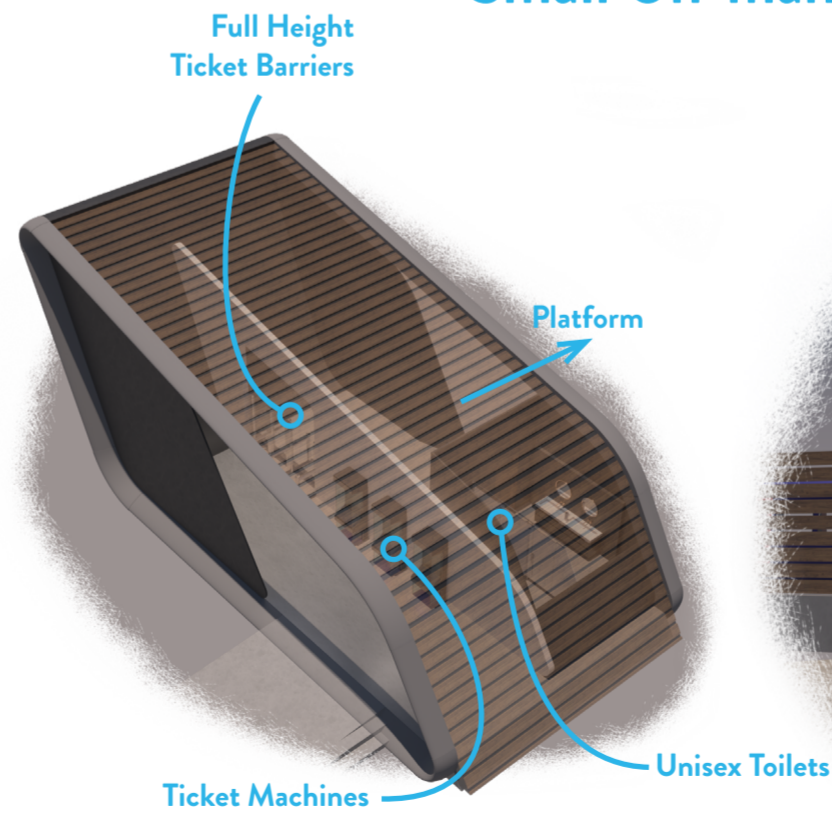
Small Unmanned - Side Elevation
Scale: 1:200



Small Unmanned - Plan View
Scale: 1:200

Small Un-manned Station

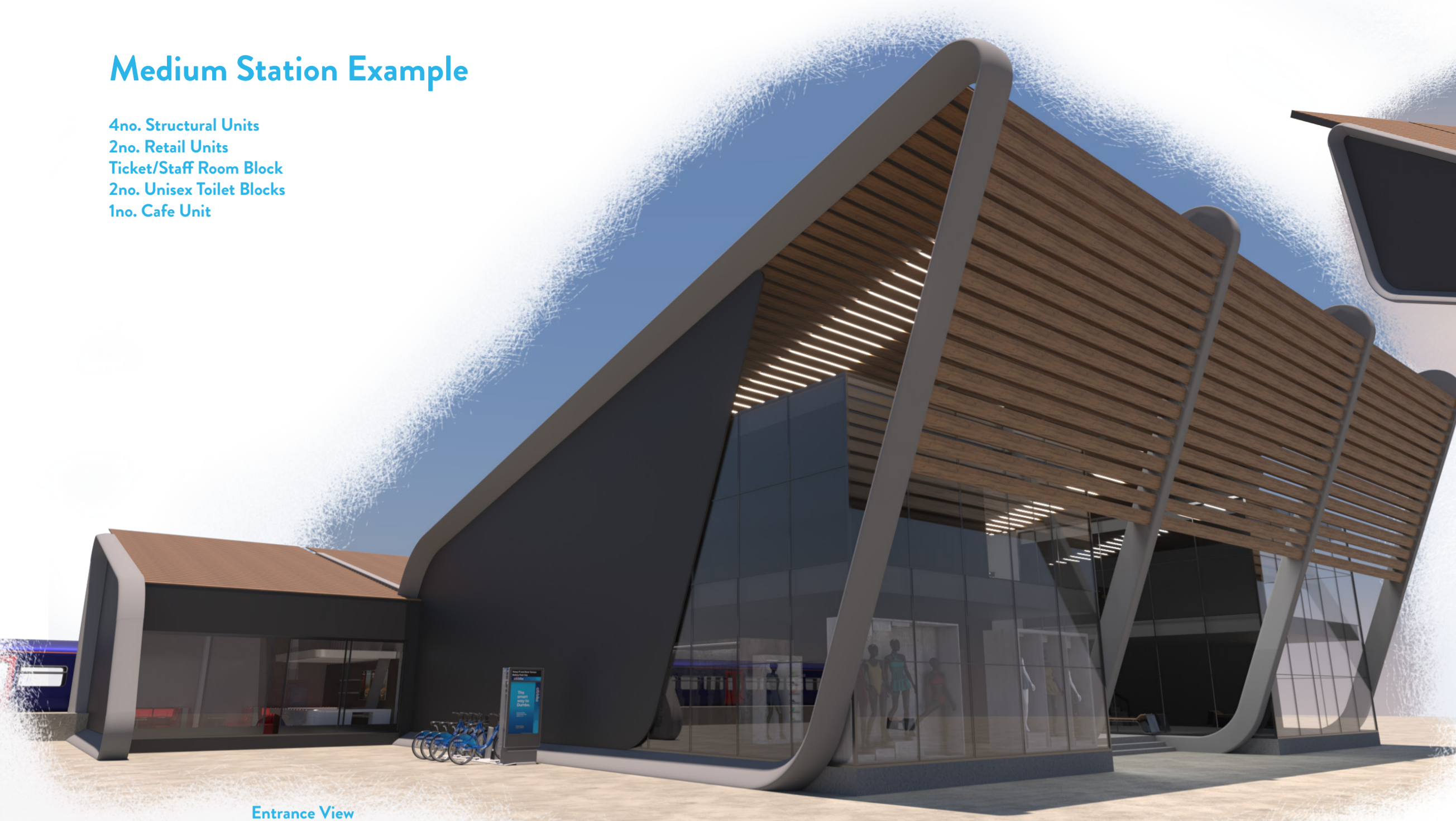
1no.+ Structural Units



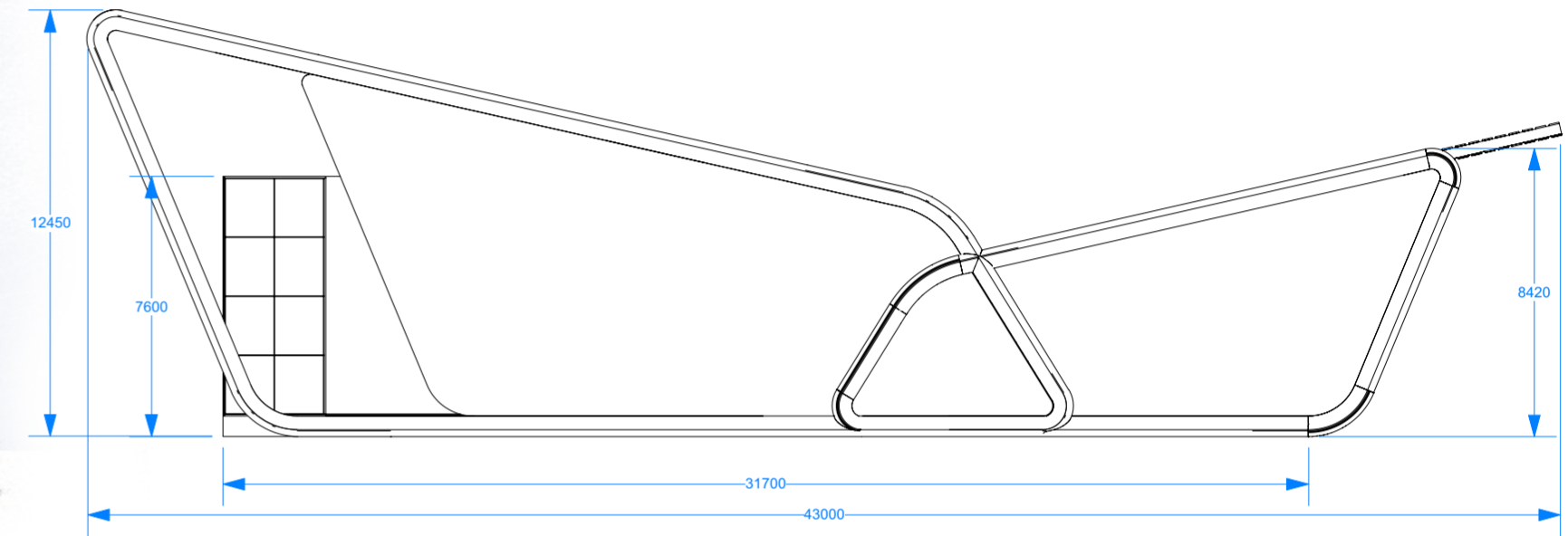
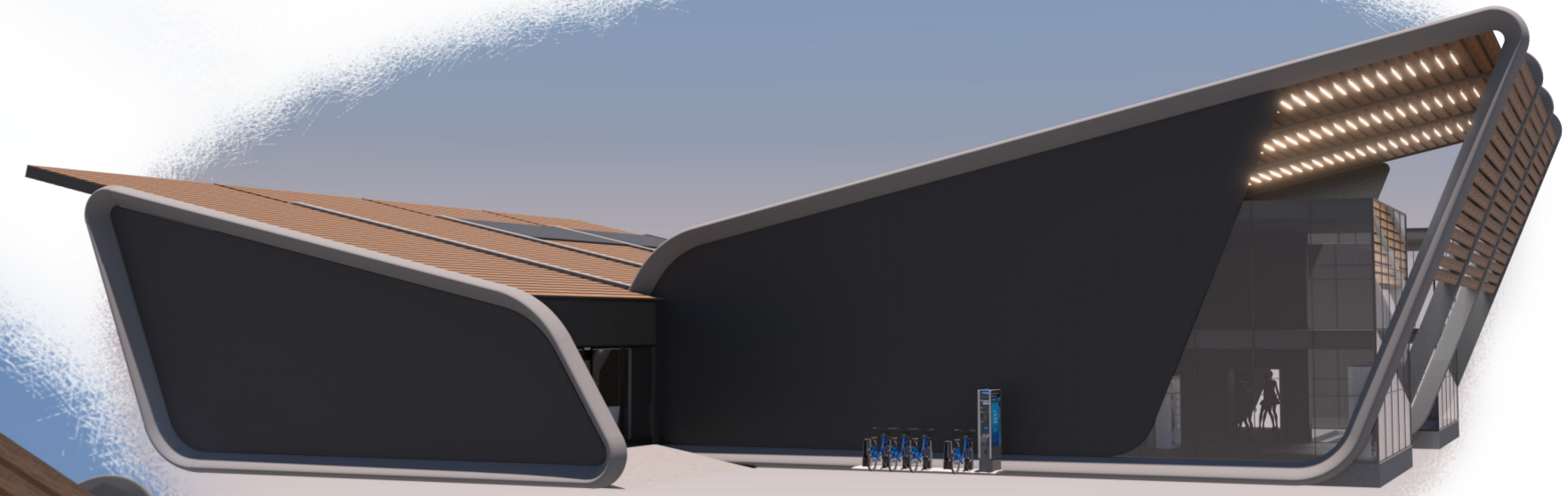
Medium Station Example

- 4no. Structural Units
- 2no. Retail Units
- Ticket/Staff Room Block
- 2no. Unisex Toilet Blocks
- 1no. Cafe Unit

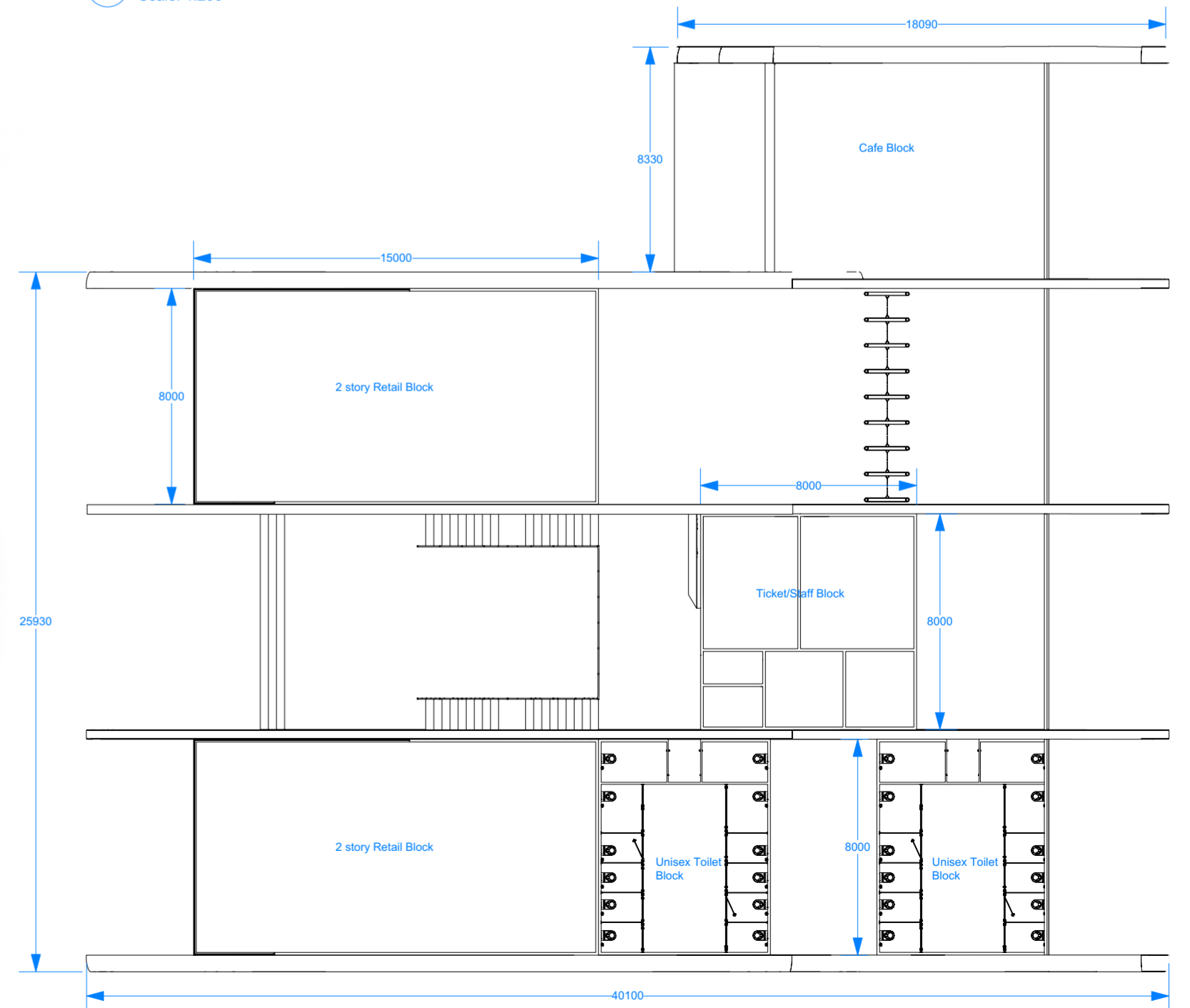
Side View



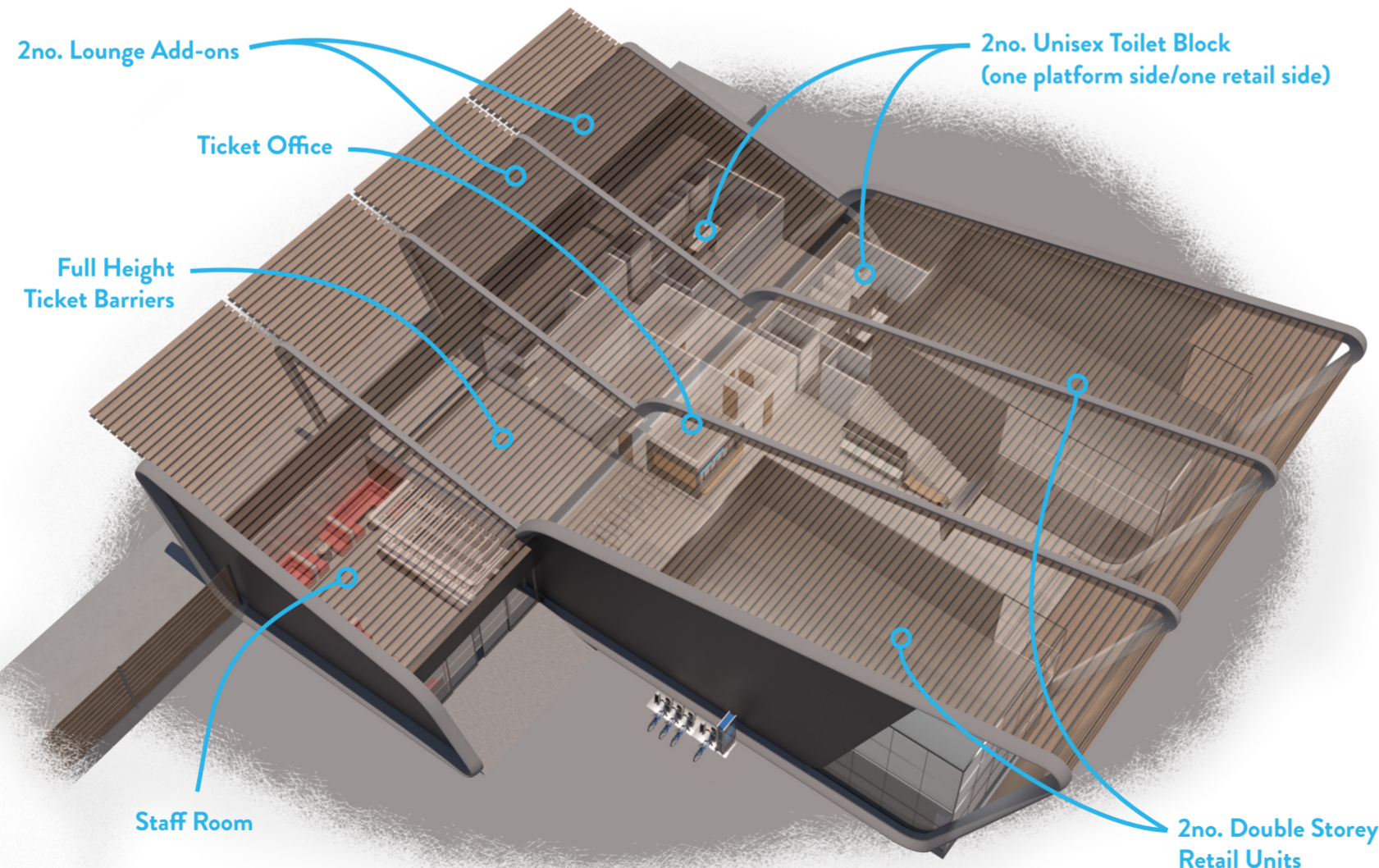
Entrance View



Medium - Side Elevation
Scale: 1:200



Medium - Plan View
Scale: 1:200



Sustainability

The use of 3D printing both reduces both the human carbon footprint (far fewer people needed for installation and manufacture) as well as, in some cases, using fewer than 25% of raw materials compared to traditional building processes.

This combined with the use of recycled plastic panelling (shown here in a brown, wood effect finish) further reduces the impact the modular systems will have on raw materials.

The design also incorporates solar panelling to provide 24hour power to lighting and security feeds, with rain water collection from the roof to provide water for the toilets.