

Introduction

- This study aims to provide schematic design of elevations of the following buildings :
 - Chemical Building
 - Transformer room / Pump Station
 - Ozonation Building
 - Pre-ozonation Building
 - Canopy for Filters
 - Elevated Walkway
- The elevation design objectives are :
 - Provide a design suits the respective functions of the buildings
 - Create a design to harmonize with the natural surrounding
 - Create a stylish design
 - The materials used in the elevations should be durable, environmental friendly and easy maintenance



Surrounding environment - green and natural

Design Concept

- The complex is situated in a large area surrounded by green mountains with a lot of vegetation. The elevation design aims to create a complex with a unified style which is modern, suit for the function of the building and harmonize with the surrounding natural environment.
- It is aimed to adopt a green and modern style design with the introduction of green features on the elevation and the roof.
- The elevation mainly consists of aluminium cladding with texture painted wall, green wall and timber / recycled plastic for decoration.
- The materials have different textures and color to create contrast / rhythm along the elevations and to break down the monotonic appearance of a linear and long building. A Light neutral colour (e.g. white) is proposed for the aluminum cladding which are the main colour of the building to echo with the natural environment. The texture spray painted walls of different colors can give identity to each building and also as a highlighting elements to make the complex more interesting. The green wall and timber strips are used to soften the elevation and to blend the design with the natural environment.
- The materials proposed are durable, environmental friendly (can be recycled) and less maintenance is required.
- Graphics on elevations are proposed to give identity of the building as well as assisting the public to understand easily the complex while visiting.
- Louvres and windows are provided along the elevations to allow natural ventilation and natural lighting.



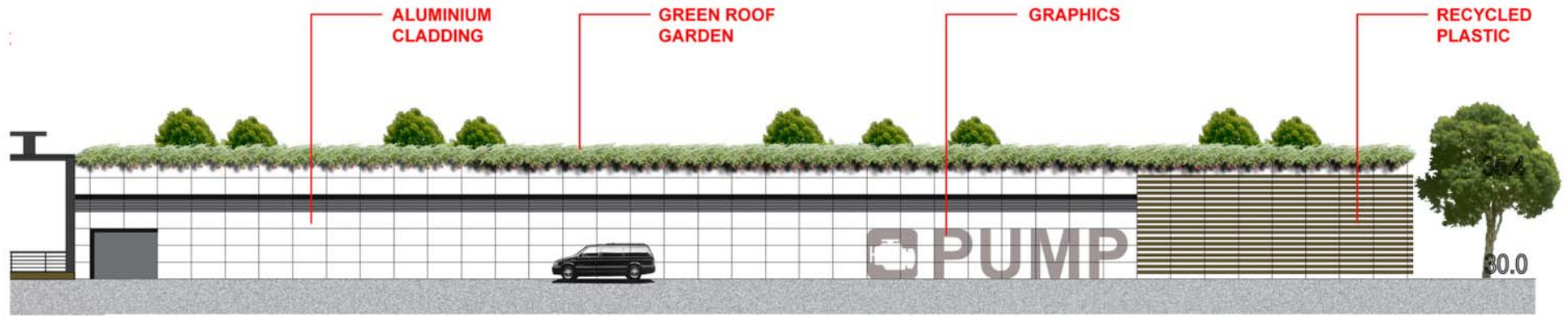
Surrounding environment - green and natural



LEGEND

- 1 Upgraded Main Entrance
- 2 Upgraded Main Entry Road
- 3 Proposed Arrival Plaza
- 4 Proposed Administration Building & Mainland East Laboratory
- 5 Proposed Pedestrian Bridge Walkway / Link
- 6 Existing North Works
- 7 Existing North Works Pumping Station
- 8 Existing Chlorination Building
- 9 Proposed South Works- Pre-Ozonation Building
- 10 Proposed South Works- Backwash EQ Tank
- 11 Proposed South Works- Flocculation and Segmentation Tanks
- 12 Proposed South Works- Ozonation Building
- 13 Proposed South Works- Residual Management Facility
- 14 Proposed South Works- Stage 1 Filter
- 15 Proposed South Works- Transformer Room and Pump Station
- 16 Proposed South Works- Stage 2 Filter
- 17 Proposed Alum Saturation Tank
- 18 Proposed Chemical Building
- 19 Proposed M & E Building
- 20 Proposed Extensive Green Roof
- 21 Proposed Canopy for Filters / Tanks
- 22 Proposed Tree Compensation Location
- 23 Proposed Work's Access Road



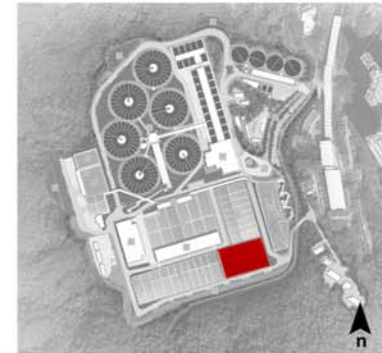


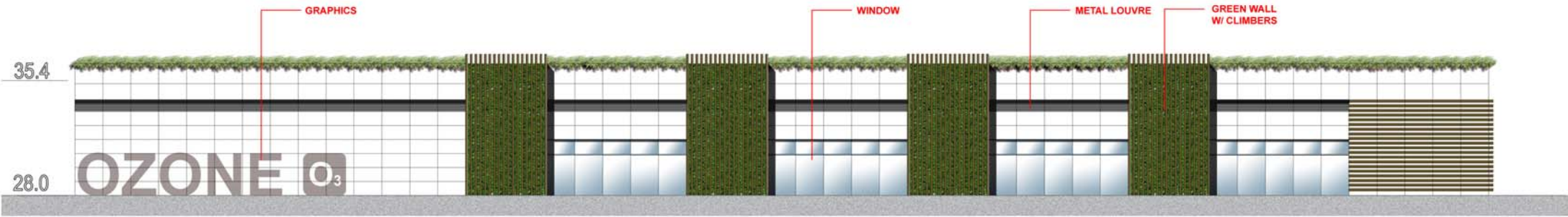
Transformer / pump station - South Elevation



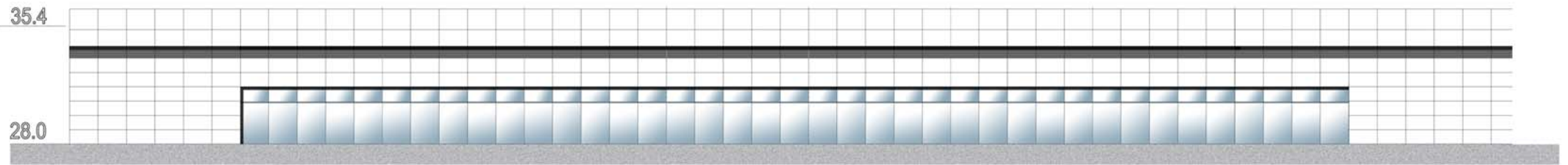
Transformer / pump station - East Elevation

Key Plan

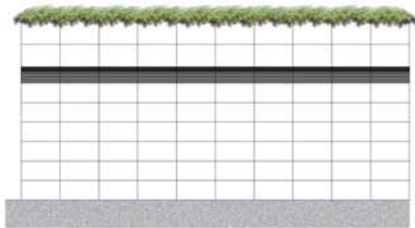




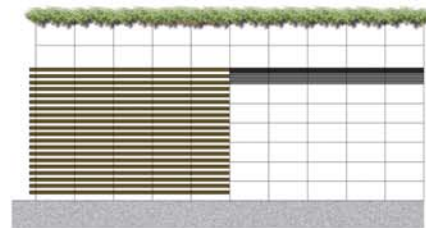
Ozonation Building - South Elevation



Ozonation Building - North Elevation

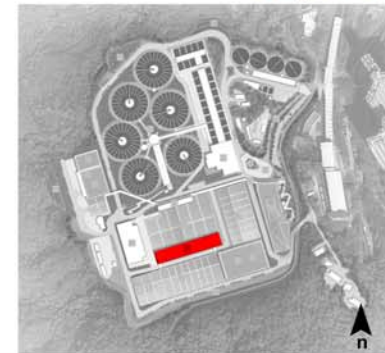


Ozonation Building - West Elevation



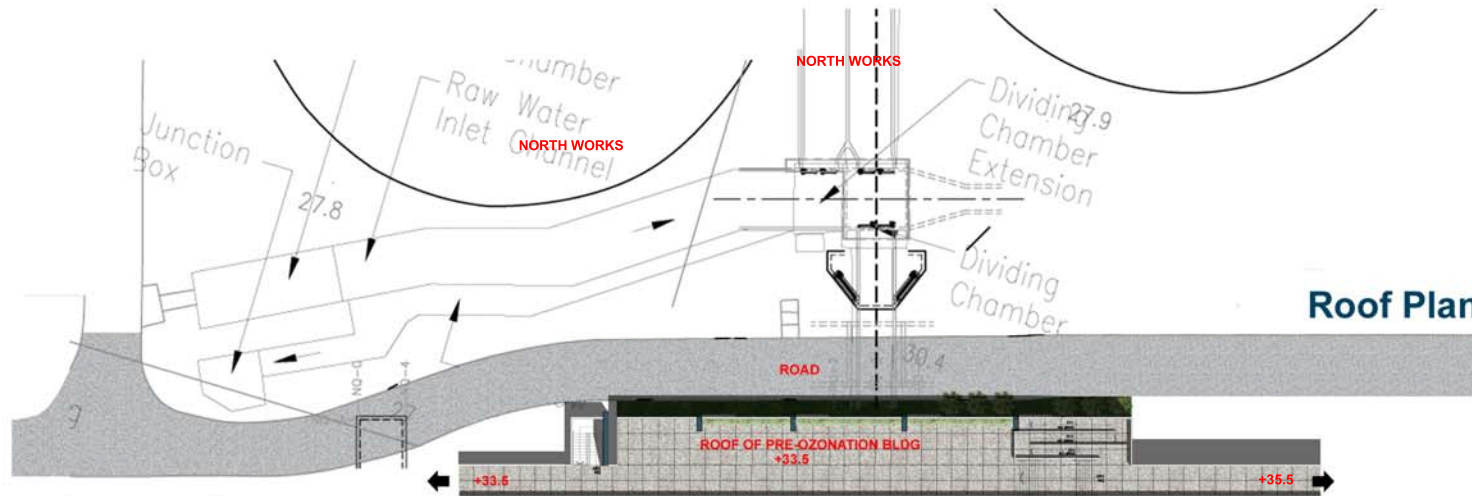
Ozonation Building - East Elevation

Key Plan

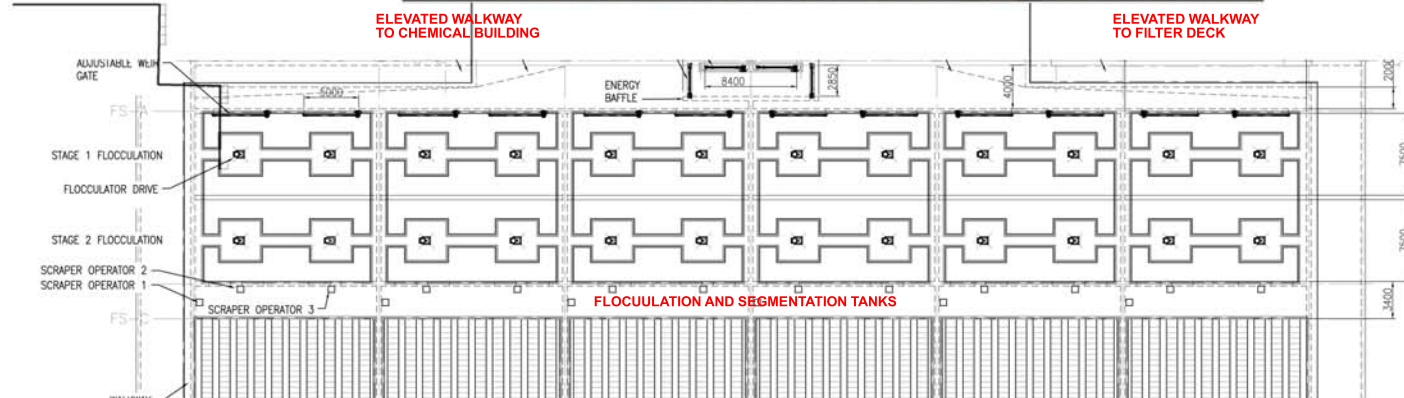




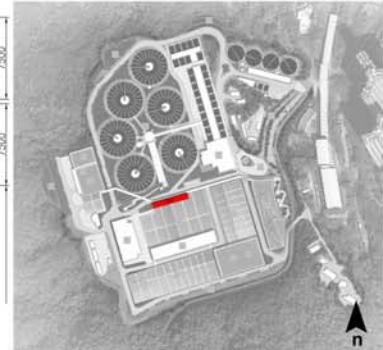
Pre-Ozonation Building - North Elevation

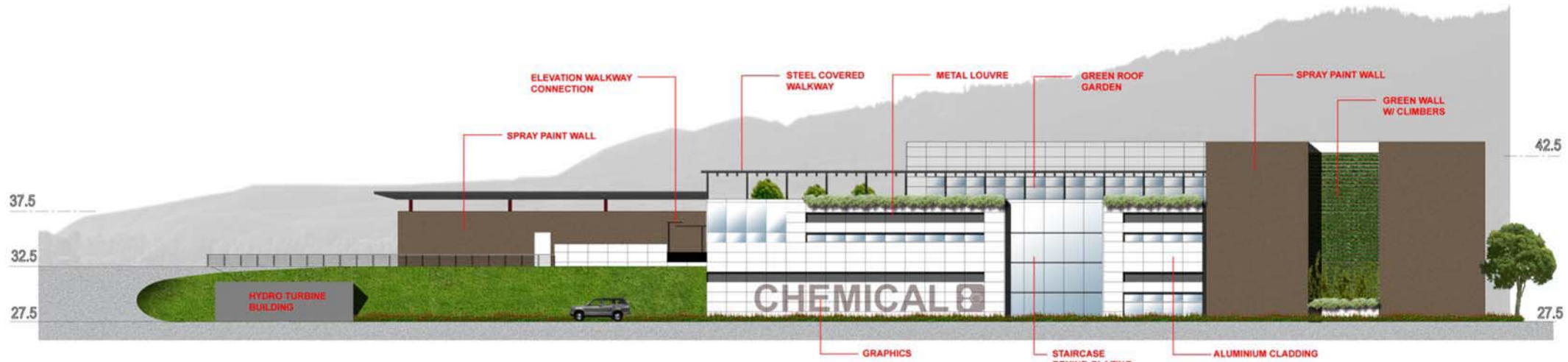


Roof Plan



Key Plan



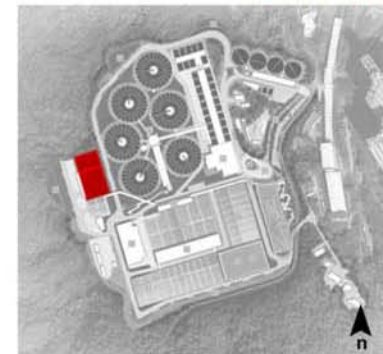


Chemical Building - East Elevation



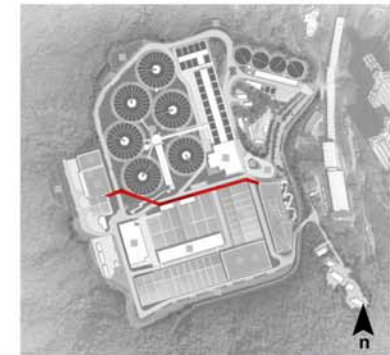
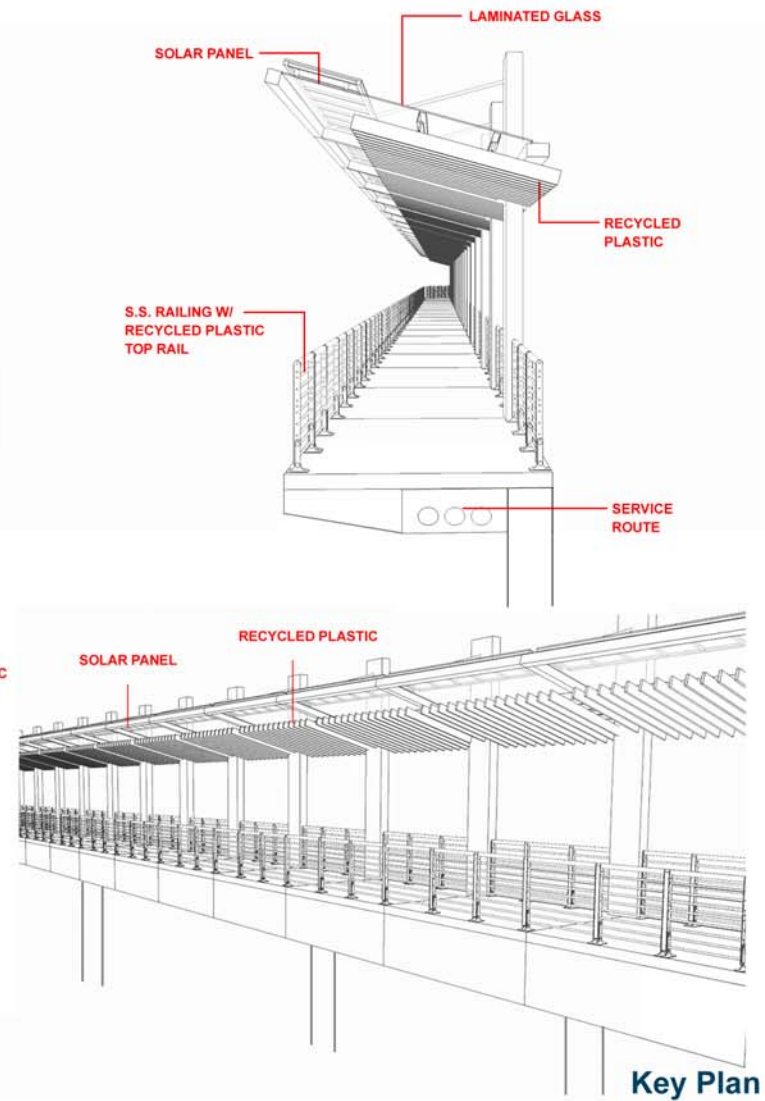
Chemical Building - West Elevation

Key Plan



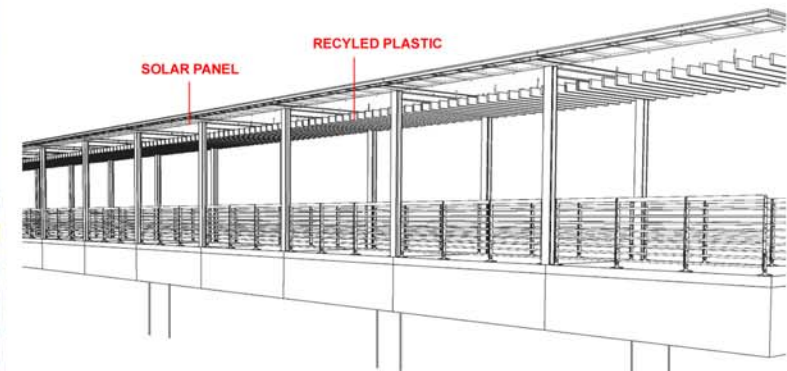
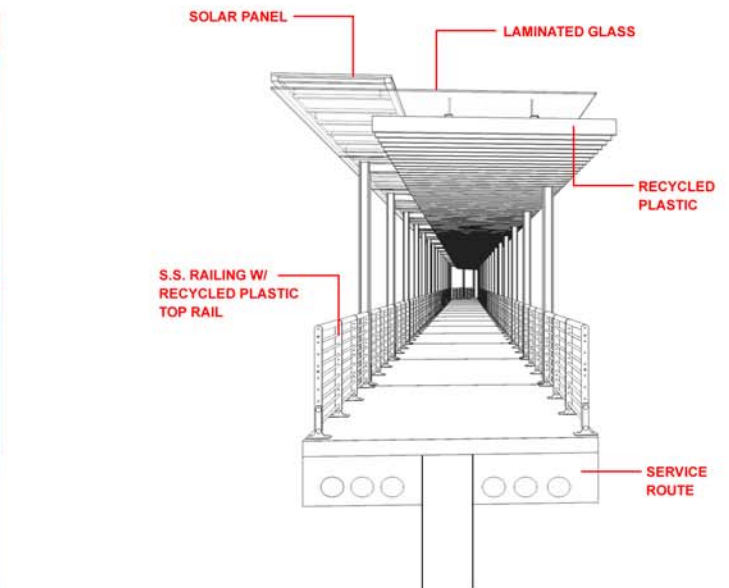


Perspective

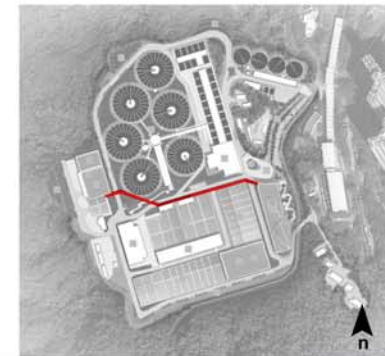


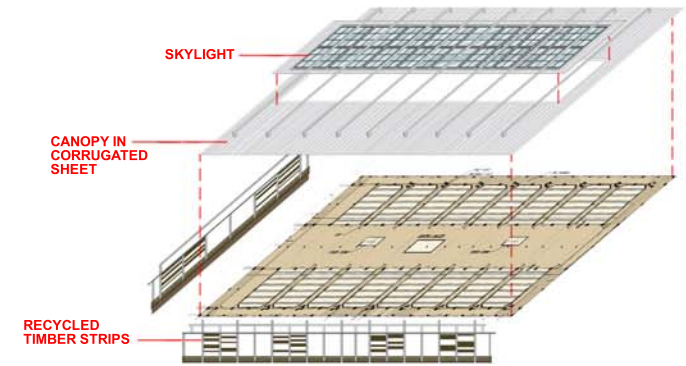
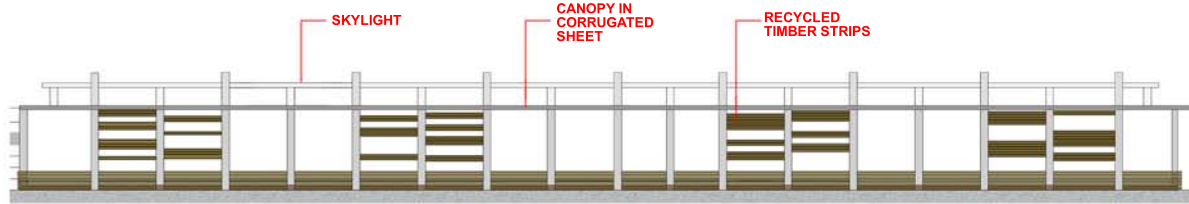


Perspective

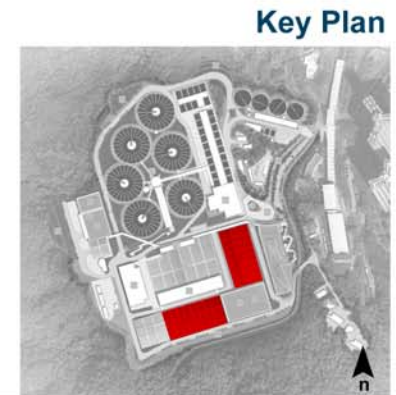


Key Plan



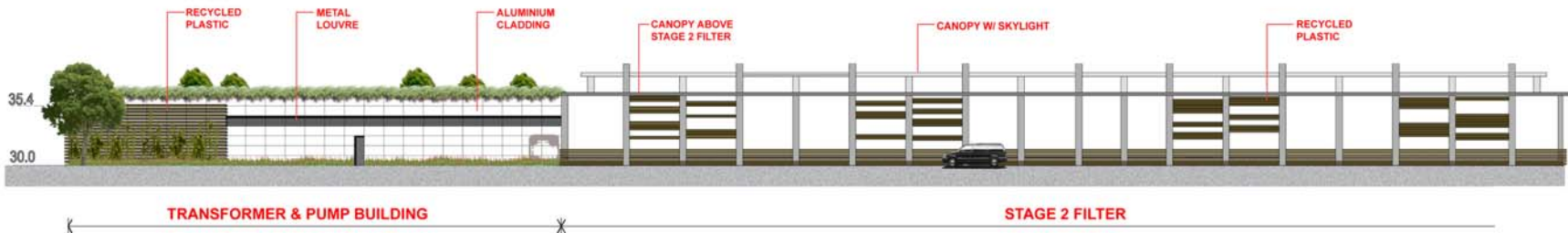


Perspective





Site Elevation 1



Site Elevation 2

Key Plan

