

BRAMPTON FIRE STATION

DESIGN PROPOSAL BY MACKENZIE MEHRING

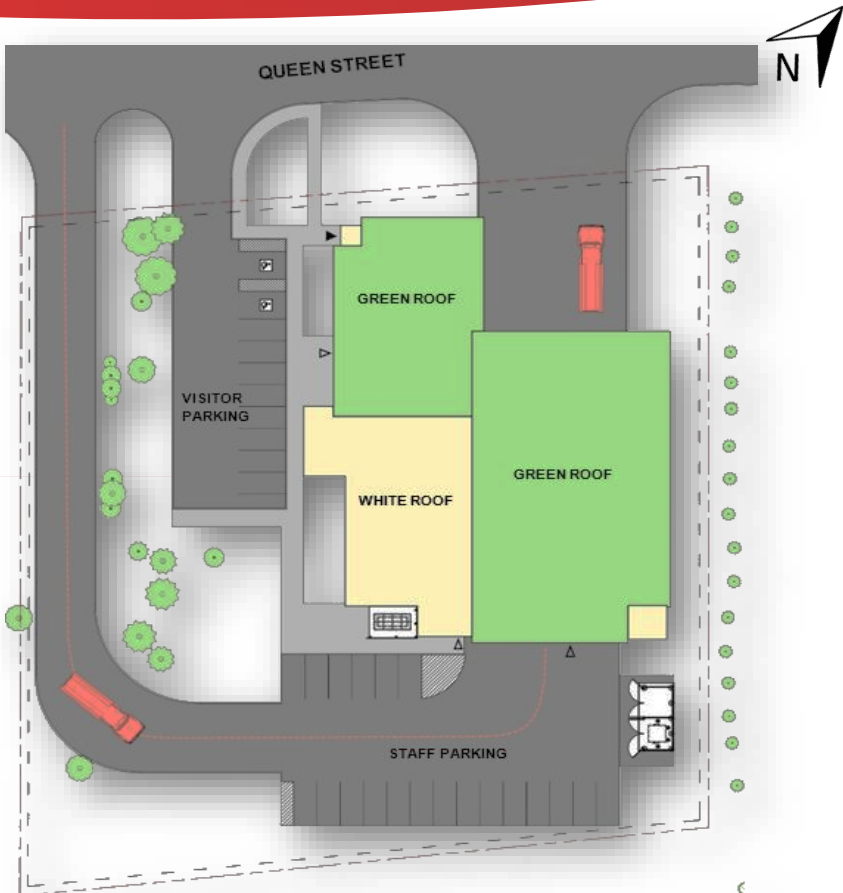


THE CONCEPT

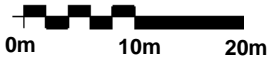
Fire Station 204 is inspired by nature, specifically gentle rolling hills; it combines natural elements with a modern twist. Two sweeping green roofs start low in the front and curve up towards the back to help the building feel like it is connected with the nature around it. These green roofs help to insulate the building, and a rainwater capture system is connected to them to help run the building's plumbing.

Nature helps people feel more comfortable and relaxed, so incorporating natural elements in the station gives it curb appeal as well as helps the fire fighters to relax from their stressful job. The main entrance vestibule is encased in glass and sticks up above the green roof to make it obvious to the public where to enter. An exterior patio and garden sheltered by a green roof is open to both the public and the fire fighters, connecting the community to this station.

Within the station, many elements are included to help mitigate the harmful carcinogenic toxins that the fire fighters are exposed to on-site, as well as to help their bodies detox. This station is their home away from home, and this proposal makes it a safer and more enjoyable space to be.

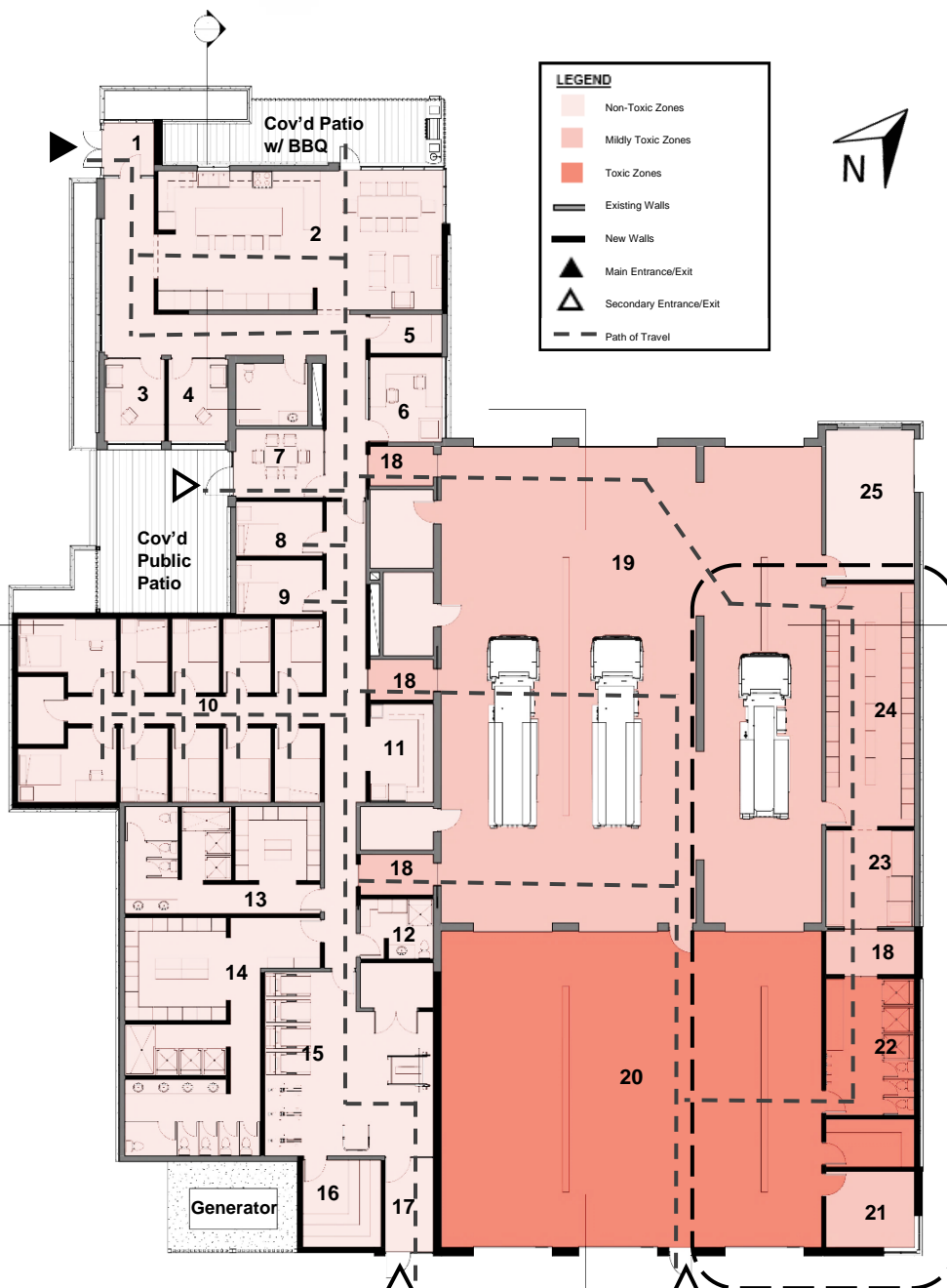


SITE PLAN

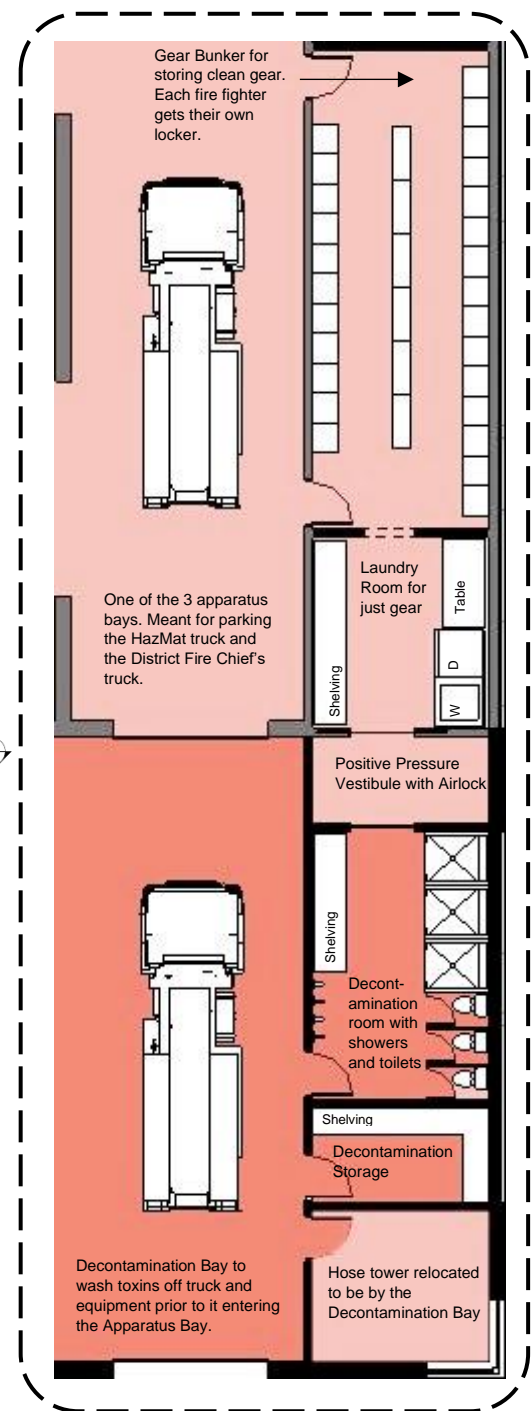


ROOM LEGEND

1. Main Entrance
2. Kitchen/Dining/Day Room
3. FPO Office
4. District Chief Office
5. Medicine Cabinet
6. Radio/Print Room
7. Meeting Room
8. FPO Sleeping Quarters
9. District Chief Sleeping Quarters
10. Company Sleeping Quarters
11. Clean Room
12. Unisex Locker Room
13. Women's Locker Room
14. Men's Locker Room
15. Fitness Room
16. Sauna
17. Rear Exit
18. Positive Pressure Vestibule
19. Apparatus Bay
20. Decontamination Bay
21. Hose Tower
22. Decontamination Room
23. Gear Laundry
24. Gear Bunker
25. Outdoor Storage/Tool Room



FLOOR PLAN





North-West Corner Rendering

THE MATERIALS



Stone Veneer



Concrete Panel



Prodema Wood Paneling

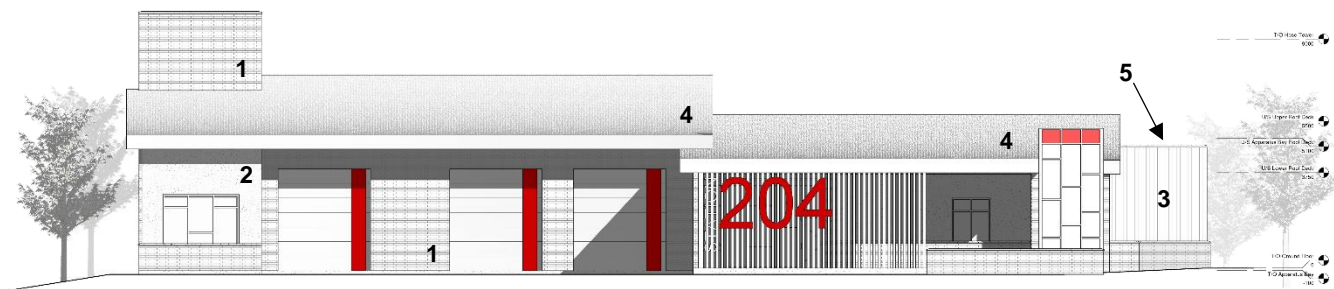


Living Roof

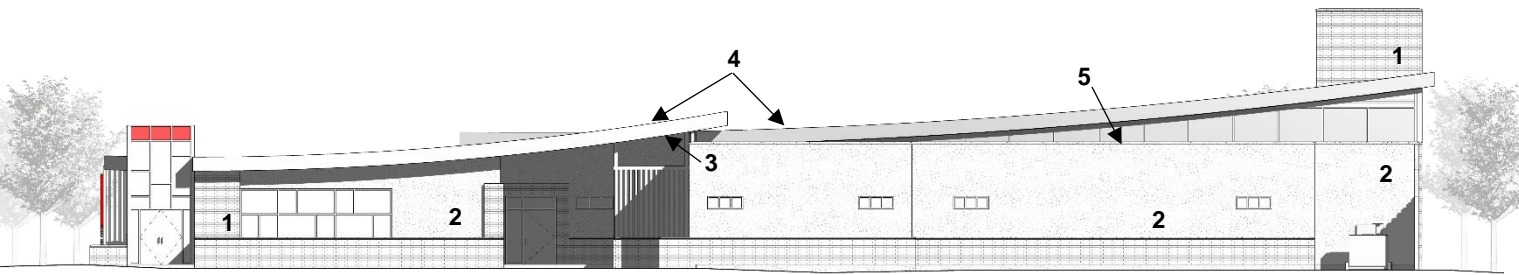


White Ballast Roof

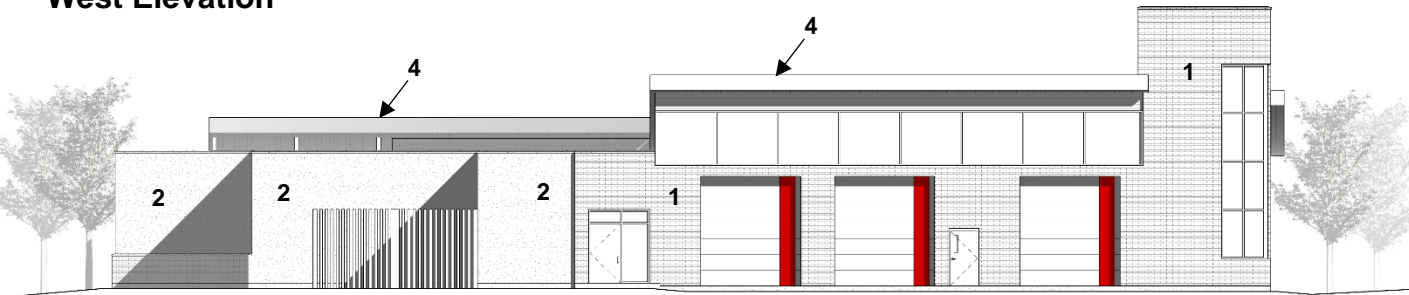
ELEVATIONS



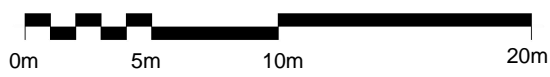
North Elevation



West Elevation



South Elevation



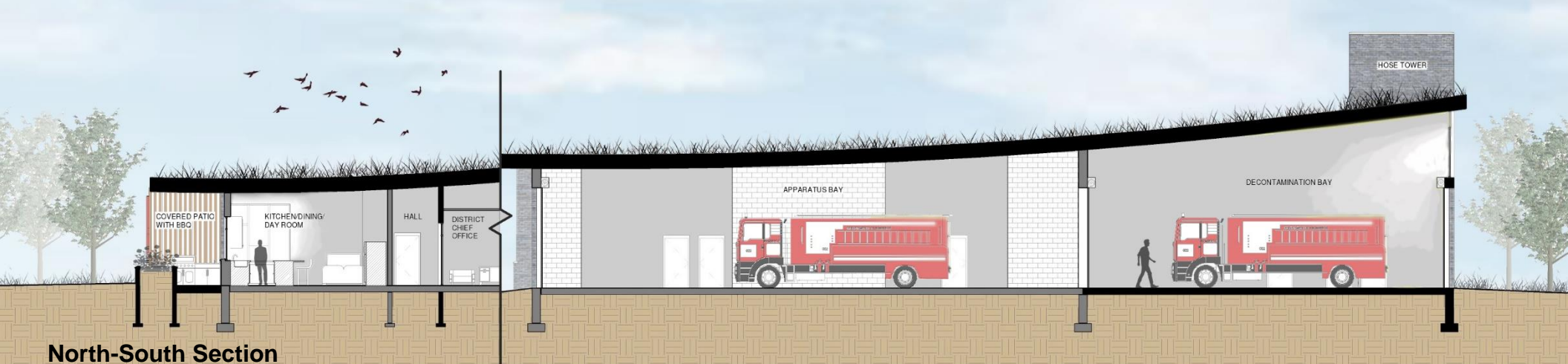
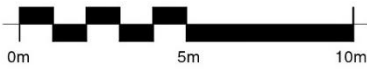
SECTIONS



East-West Section

Legend

- Existing Assemblies
- New Construction



North-South Section



South-East Corner Rendering

