

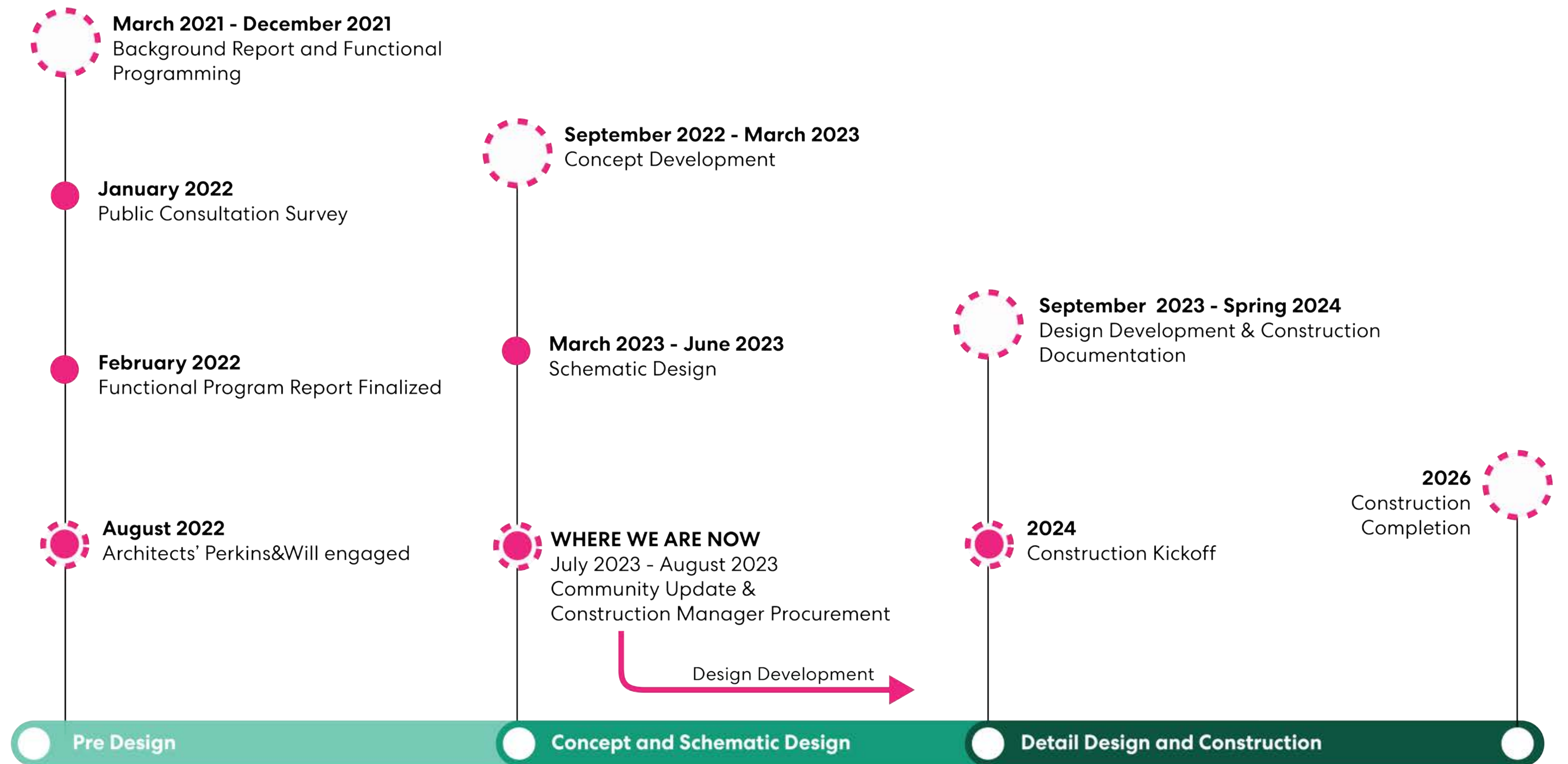
July 2023 Community Update

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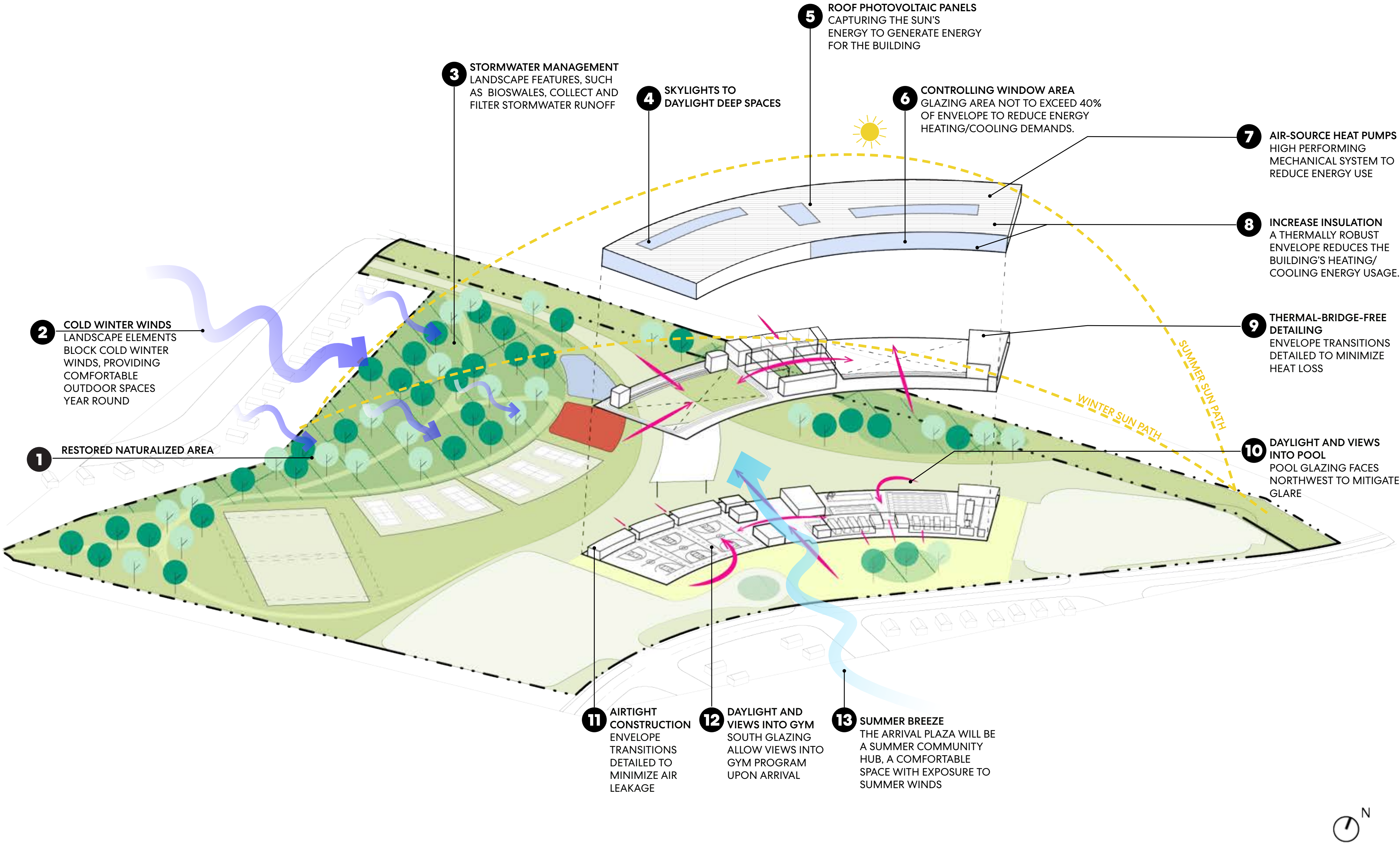
Aerial sketch of the new Embleton Community Centre. An arcing form for the building provides continuous street frontage along Lionhead Golf Club Road, inviting building users into the central lobby space connecting to the park and recreation program beyond.

Progress To Date



Sustainability Strategies

For more project information visit www.brampton.ca/embleton



Axonometric drawing of Embleton Community Centre highlighting sustainable site strategies.

Net Zero Carbon

A robust sustainable design allows the new community complex to reduce greenhouse gas emissions and target a net zero carbon design.

Why Net Zero Carbon?

A Changing Climate

Very Hot Days Trend (+30C)
 ☀️ ↑ + 45% (2023-2050)
 ☀️ ↑ + 180% (2023-2095)

The number of very hot days is going to nearly triple by the end of the century.

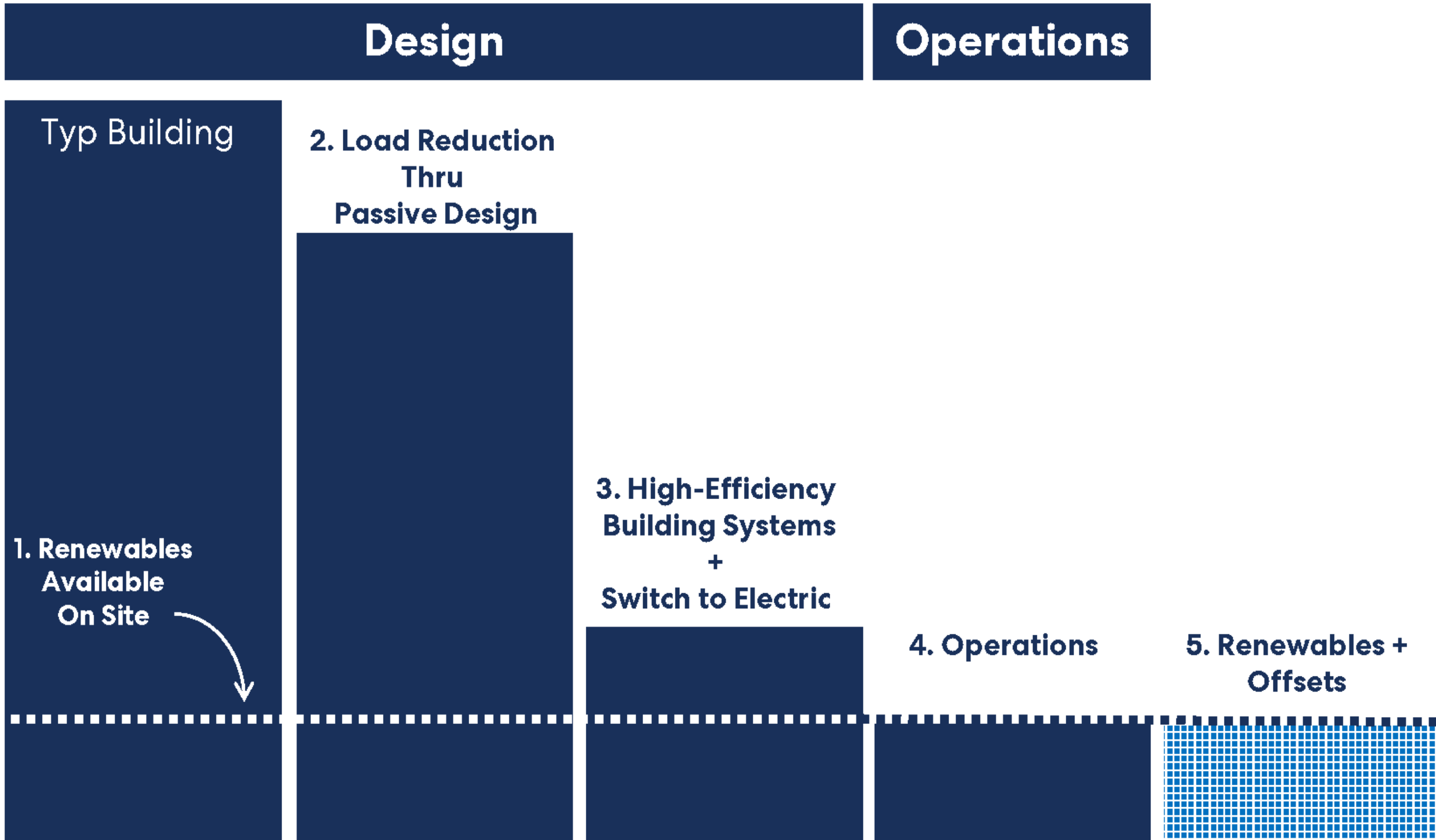
Average Length of Heat Waves
 🏠 ↑ + 35% (2023-2050)
 🏠 ↑ + 167% (2023-2095)

The length of heatwaves will more than double by the end of the century.

Tropical Nights Trend (+20C)
 🌙 ↑ + 100% (2023-2050)
 🌙 ↑ + 380% (2023-2095)

The number of hot nights is going to double in the next two decades.

How to achieve Net Zero Carbon:



Site Design

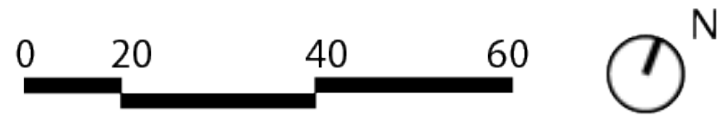
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Site Plan

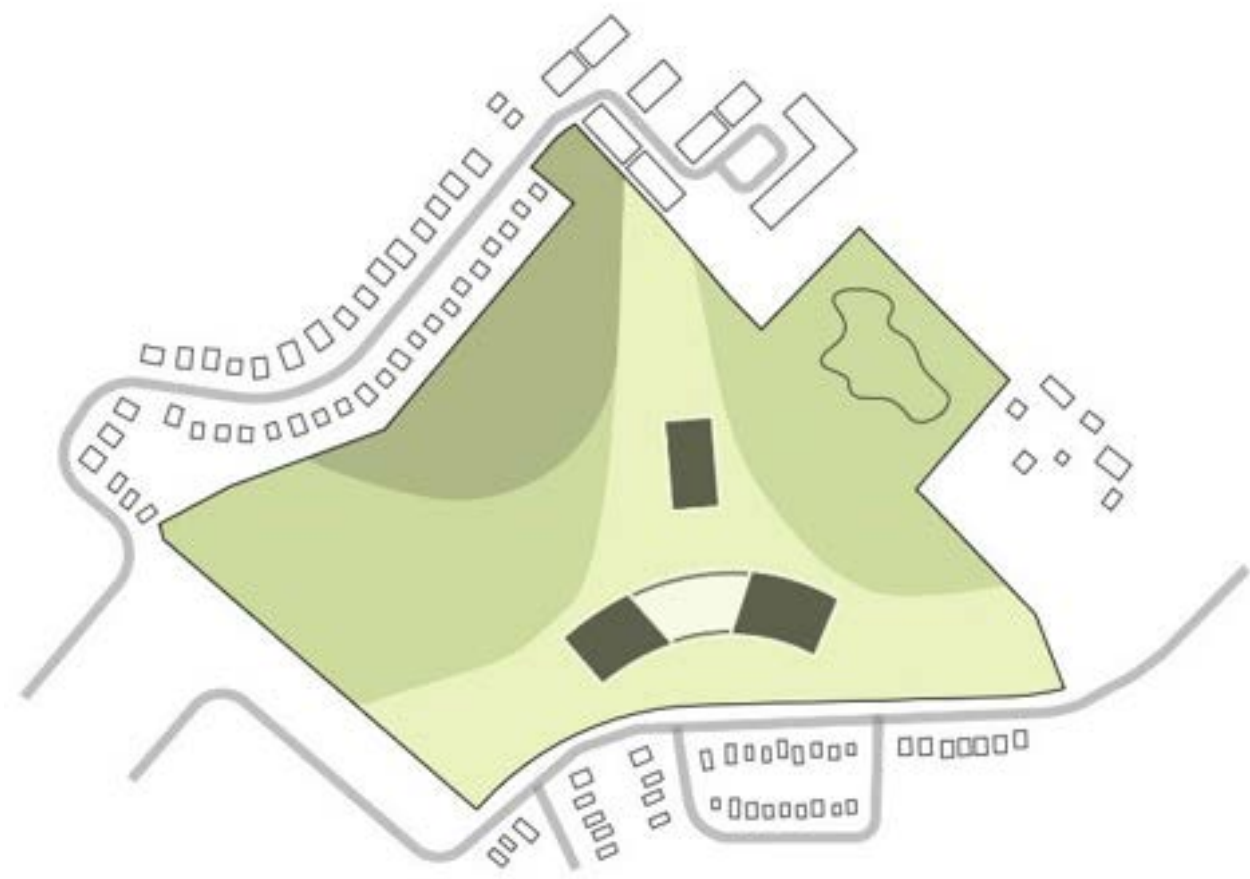


LEGEND:

- 1. Soccer Field
- 2. Tennis Courts / Pickleball
- 3. Naturalized Area
- 4. Splash Pad
- 5. Playground
- 6. Multi Use Court & Ice Rink
- 7. Fitness Circuit
- 8. West Parking Lot
- 9. Entry Plaza
- 10. Skatepark
- 11. East Parking Lot

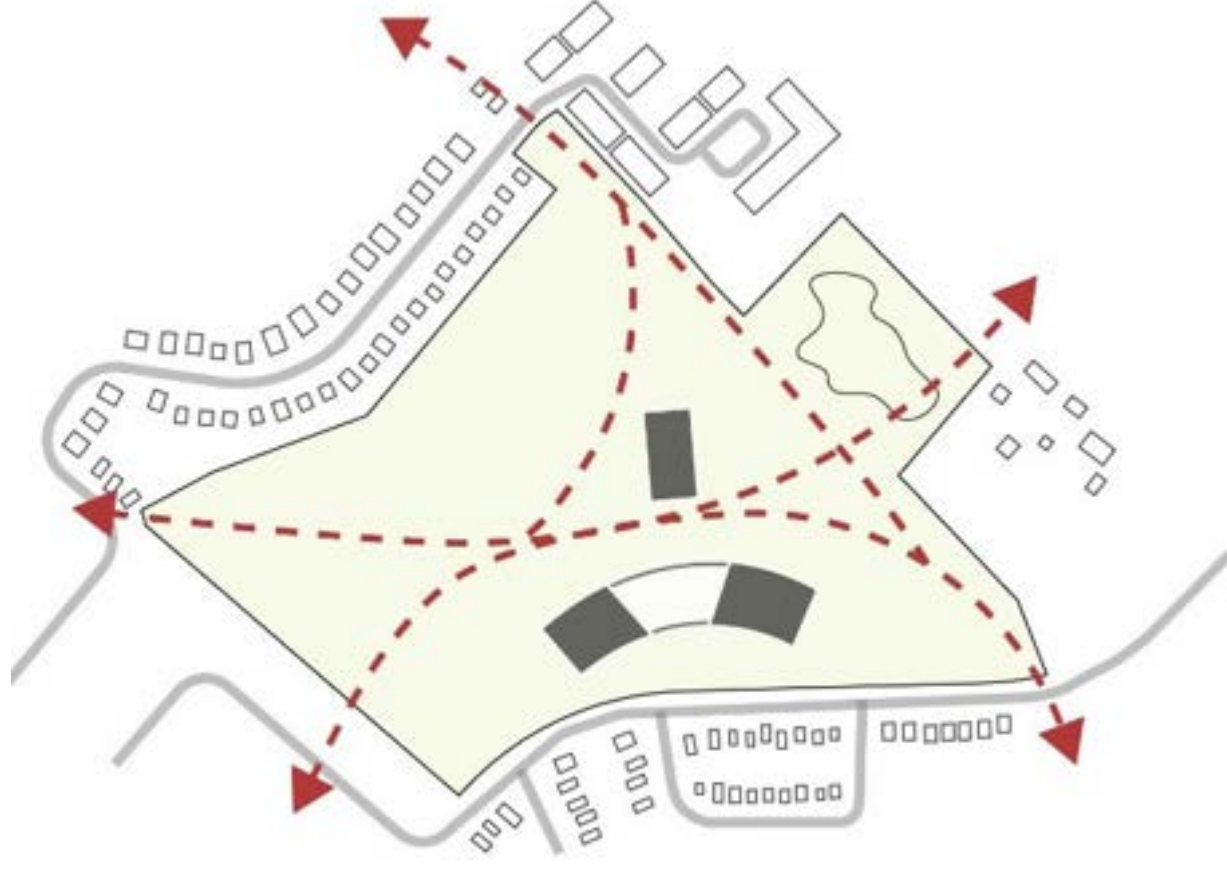


Site Strategies



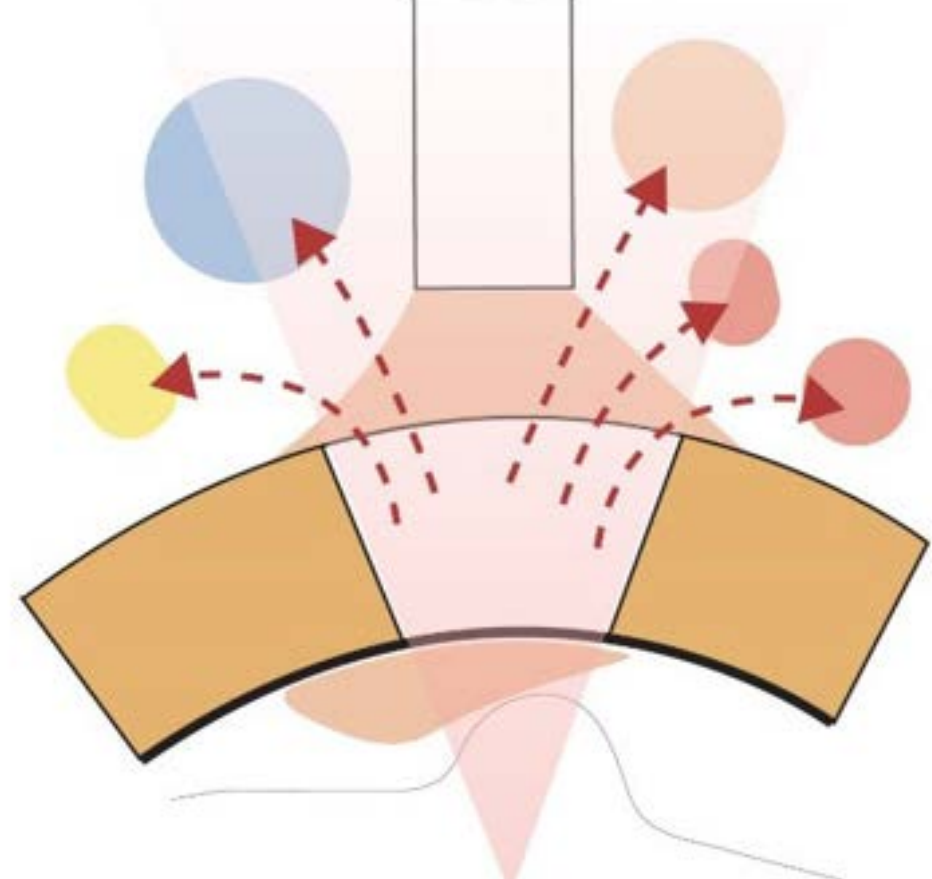
THREE LANDSCAPES

The building's arcing form creates a radial geometry for the site design, defining three park zones oriented to the street, pond and neighbourhood.



DESIRE LINES

Desire lines and neighbourhood connections are prioritized across the site, allowing for easy access to and from the surrounding context.



INTERIOR-EXTERIOR CONNECTIVITY

The central lobby will be a new activity hub for the community, connecting the building interior to the exterior park beyond.

Design Principles and Program

For more project information visit www.brampton.ca/embleton

Building Program



Triple Gymnasium



Walking Track



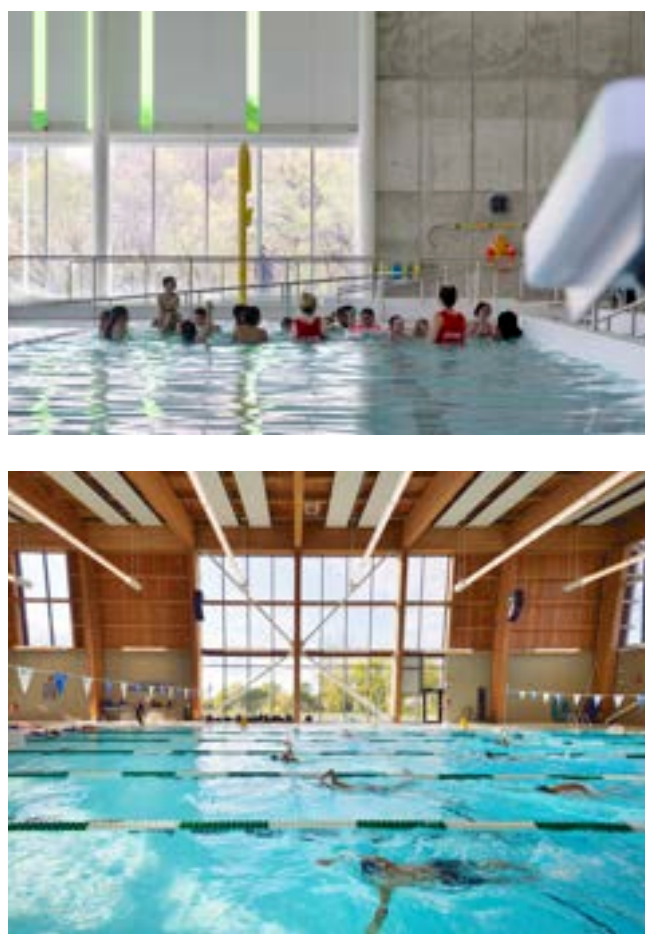
Multi Purpose Rooms (4)



Fitness



Aquatics (8 Lane Pool; Leisure Pool; Slide)



Covered Entry Plazas



Site Program



Sport and Recreation
(Soccer Fields; Tennis & Pickleball Courts; Skate Park; Fitness Circuit; Multi use / Basketball Court; Ice Rink)



Picnic and Gather
(Small and large gathering spaces dispersed throughout site)



Play
(Playground and Splash Pad)



Building Design

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Level 01 Plan



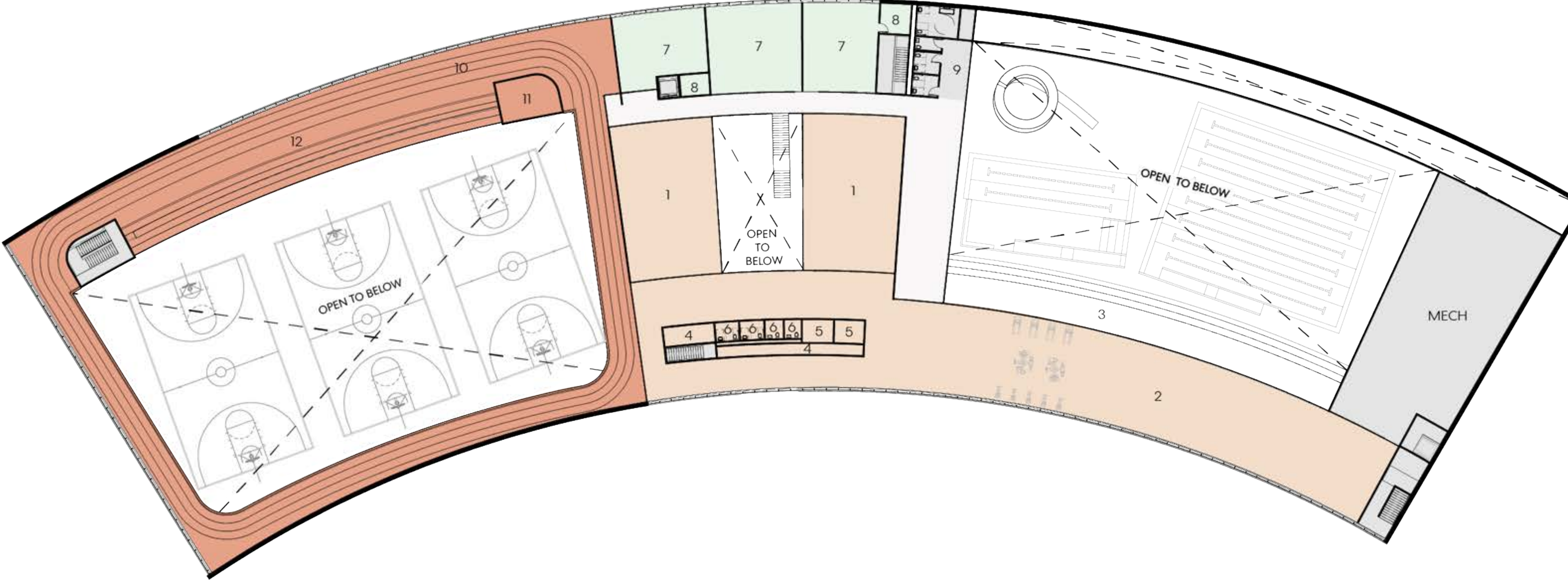
LEGEND:

- | | | | | | |
|-------------------------|-------------------------|--------------------|-------------------|----------------------|---------------------|
| 1. Central Lobby | 5. Pool Admin | 9. Pool Mechanical | 13. Admin | 17. Concession | 21. Electrical Room |
| 2. Reception | 6. Fitness Changerooms | 10. Pool Storage | 14. Youth Room | 18. Public Washrooms | 22. Gym |
| 3. Admin Office | 7. Fitness Stair | 11. Wet Classroom | 15. Multi Purpose | 19. Gym Change | 23. Aquatics |
| 4. Aquatics Changerooms | 8. Service and Delivery | 12. Pool Storage | 16. Storage | 20. Gym Storage | |

Gym
 Lobby/Circulation
 Multi Purpose
 Admin
 Aquatics
 Back of House

 0 5 15 25

Level 02 Plan



LEGEND:

- | | | | | | |
|--------------------|--------------------|----------------------|------------------------|---------------------|-----------------|
| 1. Fitness Studios | 3. Pool Viewing | 5. Fitness Offices | 7. Multi Purpose Rooms | 9. Public Washrooms | 11. Storage |
| 2. Open Fitness | 4. Fitness Storage | 6. Fitness Washrooms | 8. Multi Storage | 10. Walking Track | 12. Gym Viewing |

Gym
 Lobby/Circulation
 Multi Purpose
 Admin
 Aquatics
 Back of House

 0 5 15 25

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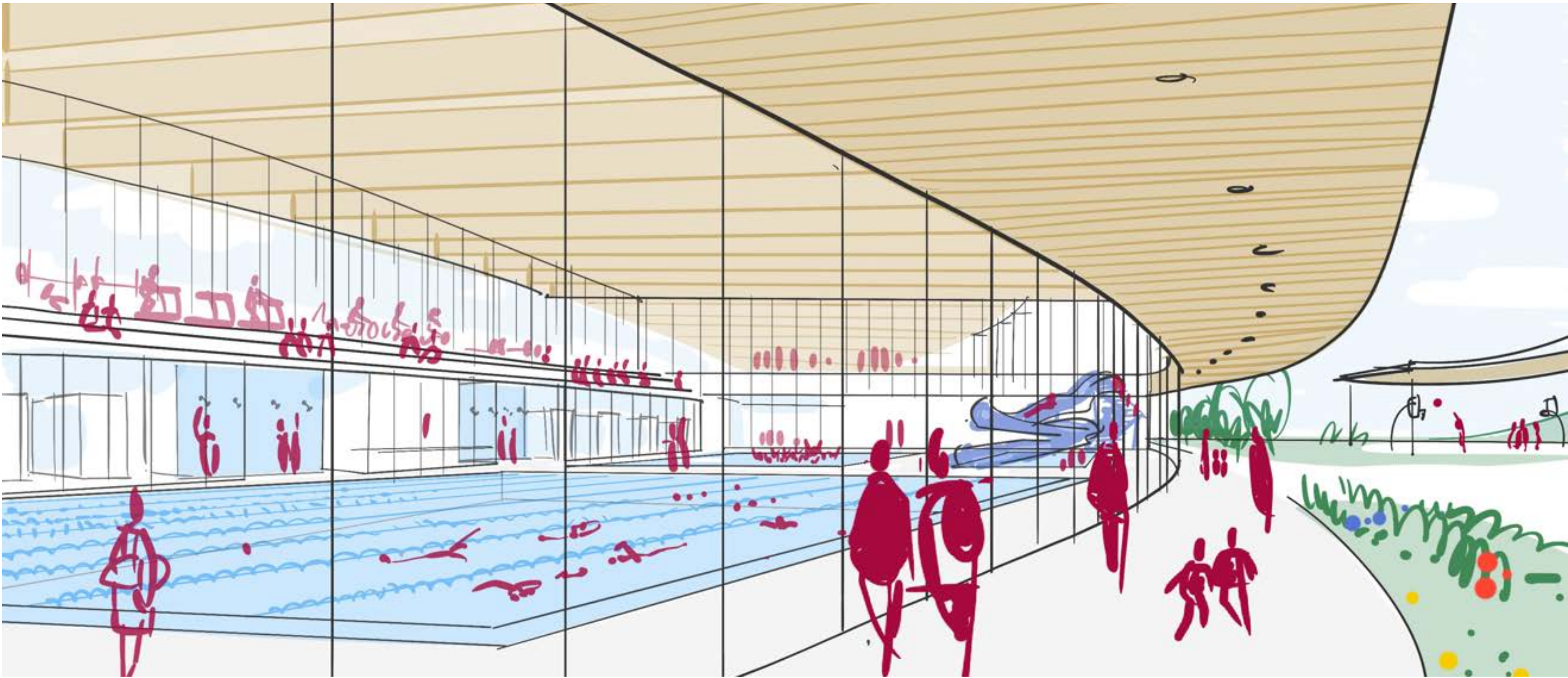
Key Plan

Sketch of building view from South East on Lionhead Golf Club Road.



Key Plan

Sketch of building view along North East facade. Pedestrians have views into aquatics as they walk along promenade to the central lobby and outdoor park program.



Key Plan

Sketch of central lobby space. Upon entering the building through the north or south entries, pedestrians will have views to all L01 and L02 recreation programs.



Key Plan

Sketch of building view along South West facade. Pedestrians have views into gymnasium as they walk along promenade to the central lobby.

