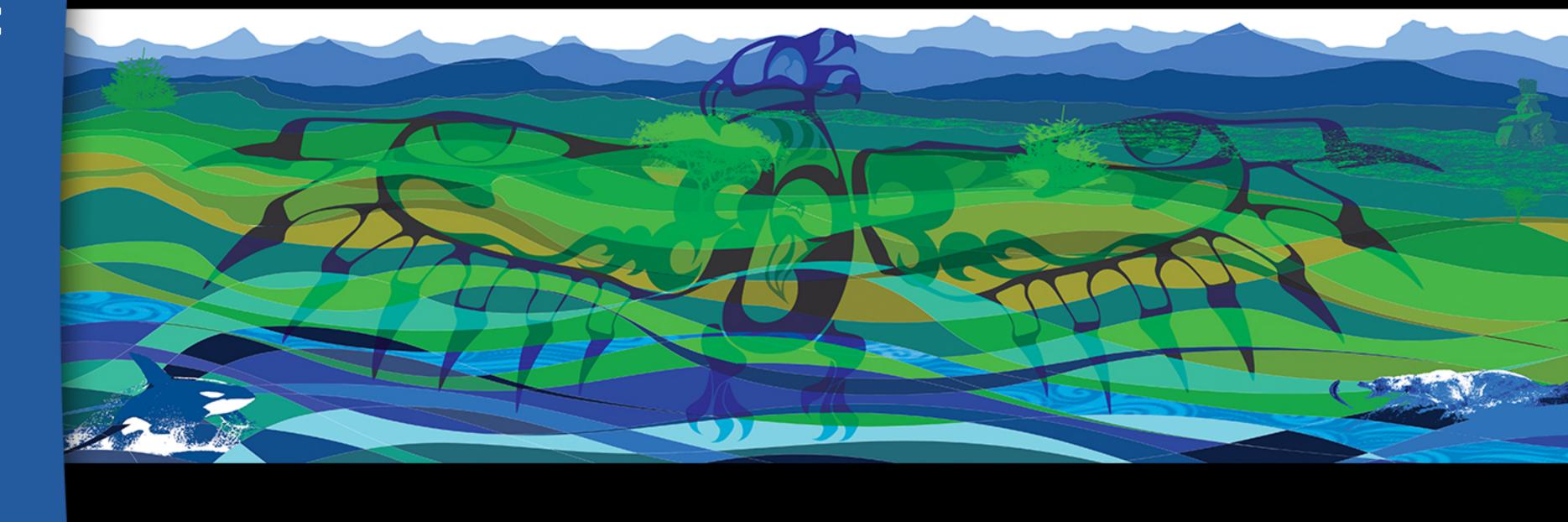
Thunderbird Centre Resort



Thesis Statement

How can Architecture transform Obsolete Sporting facilities into community assets in a post olympic environment?

Thunderbird







Location



Olympic Trends

What next for the Olympic venues?

1 Olympic Stadium

Cost: £430m Where: Newham

What next: New national centre for athletics. Has received four bids: from Leyton Orient and West Ham football clubs, intelligent Transport Services, Formula One and University College of Football Business. May host the IAAF 2017 World Athletics Championships.

2 Athletes Village

Cost: £1.1bn

Where: Newham
What next: Apartments will have kitchens added and will be transformed into 2,800 rental properties from summer next year. Has a target of 50 per cent affordable housing for lower-income tenants. Bought by developer Delancey and Qatari investors for £557m.

3 Arcelor Mittal Orbit Cost: £22.7m

Where: Newham
What next: Tower designed by Anish
Kapoor to be used as a visitor
attraction, with unique views across
London from two glass enclosed
platforms. 114m-high tower will be
open from spring 2014.

4 Aquatics Centre

Cost: £250m

Where: Newham
What next: To be reopened in
2014 as a community facility with
a significantly reduced capacity.
Anticipated 800,000 visitors a
year. London has bid to host the
2016 European Swimming
Championship in the centre.



5 Multi-use arena

Cost: £43m
Where: Hackney
What next: The 'Copper Box', which
hosted the handball and will host
Paralympic goalball, will be transformed
into a venue for community sports,
competitions, cultural and business
events, reopening in summer 2013.

6 Velopark

Where: Hackney and Newham
What next: One mile road cycle
circuit and mountain bike trial to be
added to the 6,000 Velodrome to
create a Velopark. Will be owned
and managed by Lee Valley Regional
Park Authority.

7 Eton Manor

Cost: £60m
Where: Waltham Forest
What next: To become the Lee Valley
Tennis and Hockey Centre, featuring
four indoor and stx outdoor tennis
courts and five-a-side football pitches.
Will host the 2015 European Hockey
Championships.

8 Broadcast and press centres

Cost: £295m
Where: Hackney
What next: To become a data and
business enterprise centre under
proposals from preferred bidder iCity.
Anticipated 3,500 jobs based here.

Bobsled tracks around the world



Bobsled tracks around the world



Bobsled tracks around the world



Case Studies

Grand Targhee Resort Master Plan

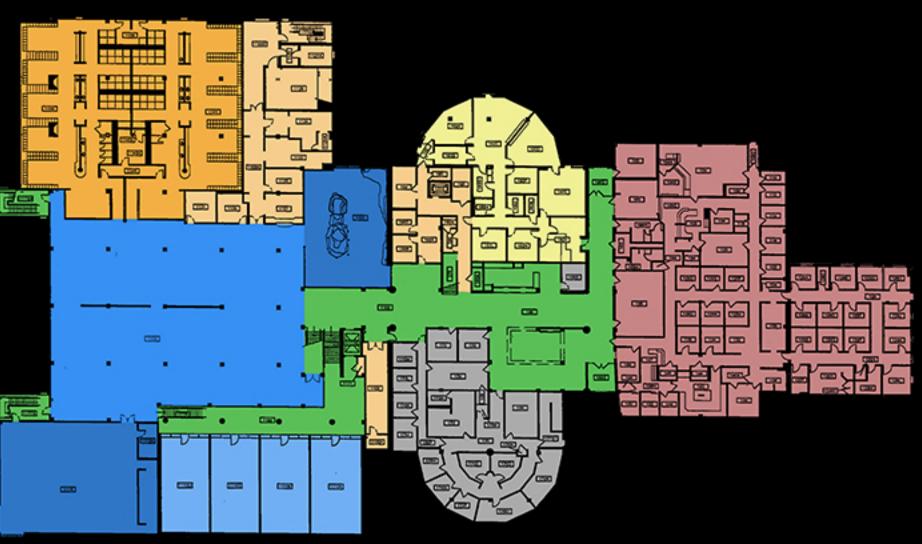


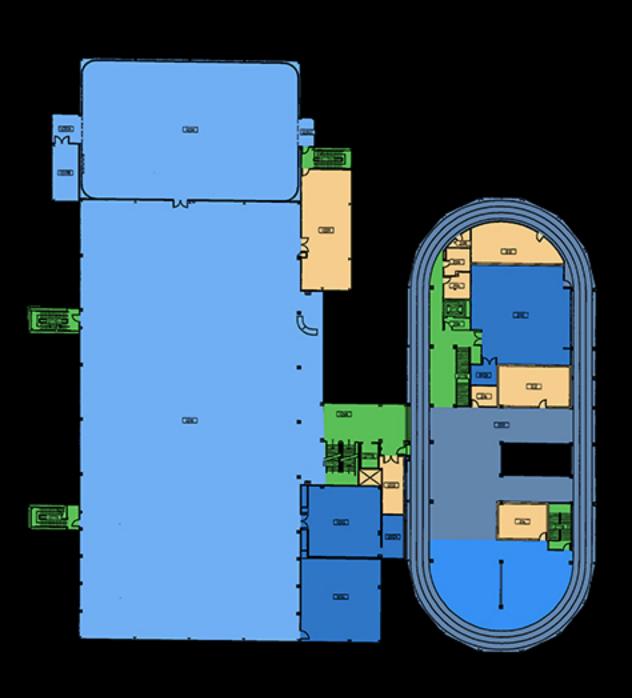
Case Studies

Wallman Wellness Center, NDSU



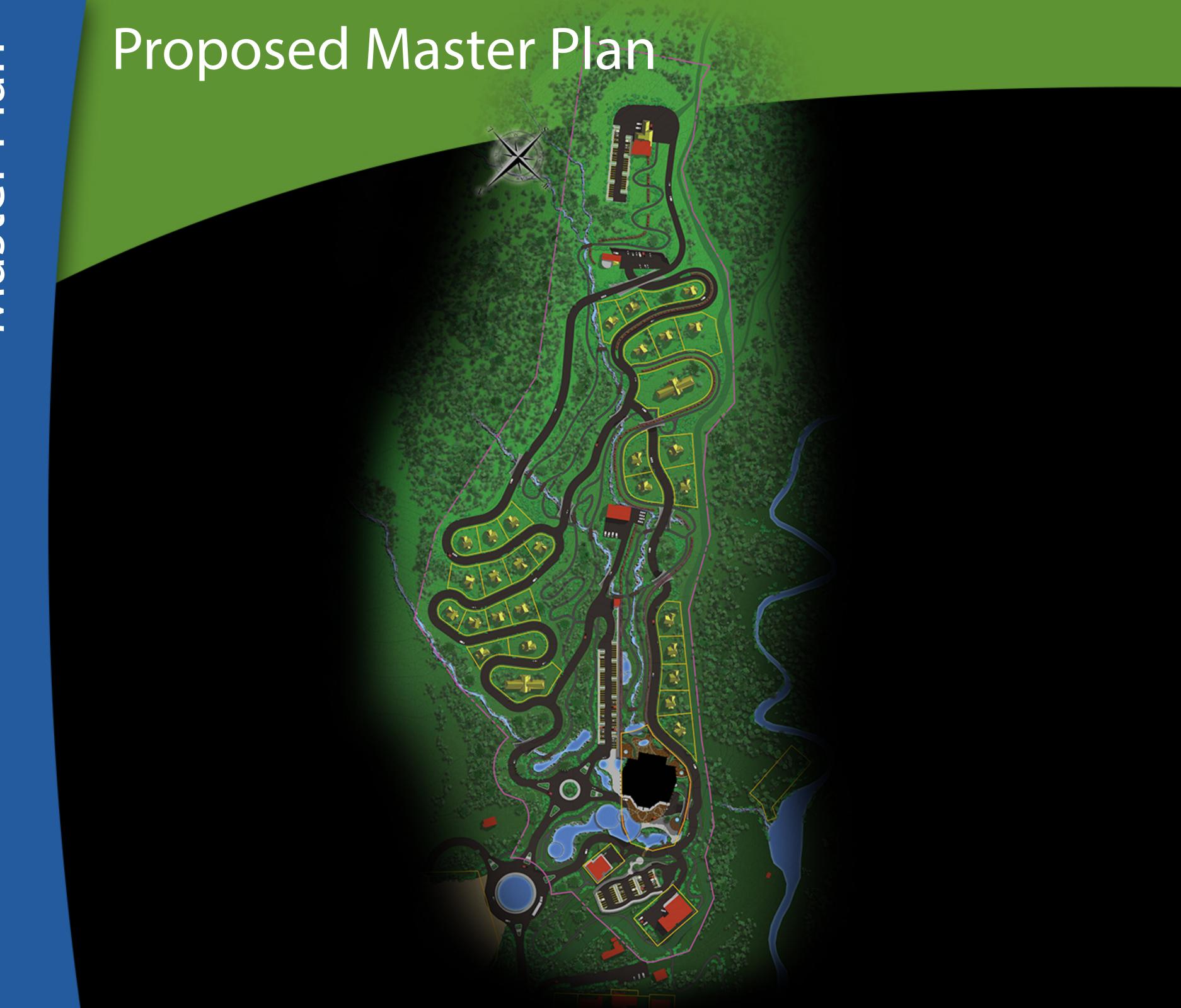






Existing Site





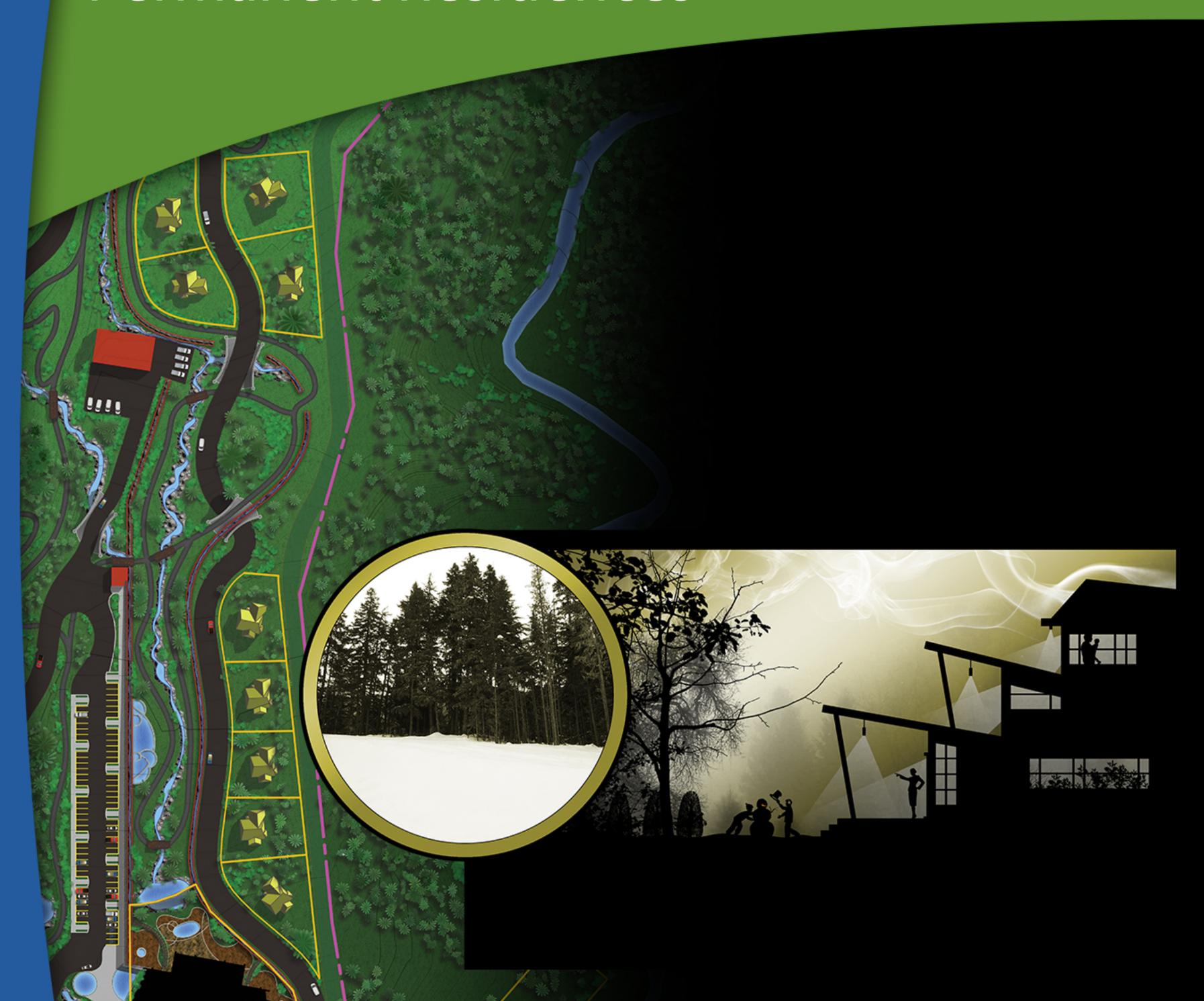
Backcountry Adventure Centre



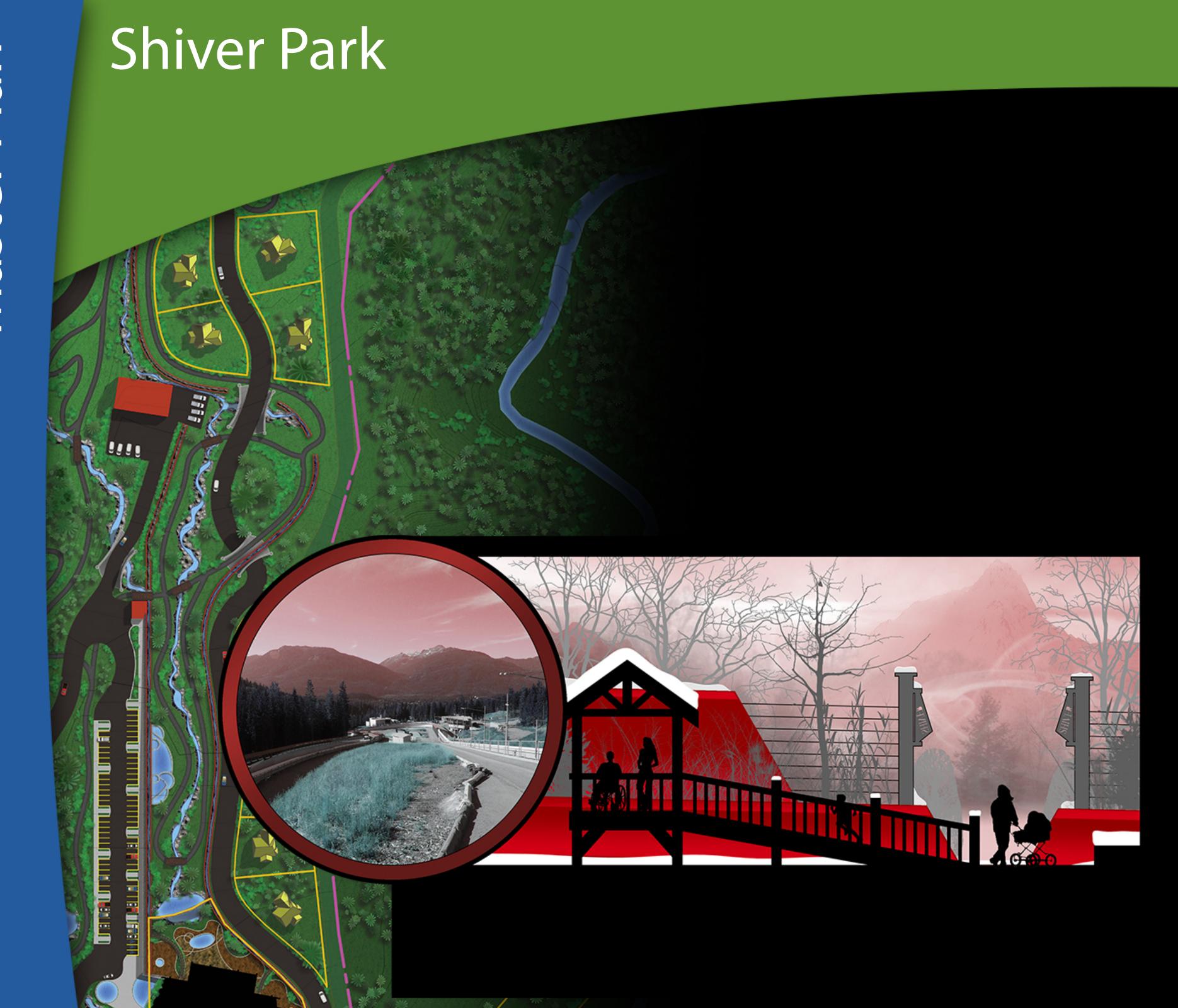
Resident's Hot House



Permanent Residences





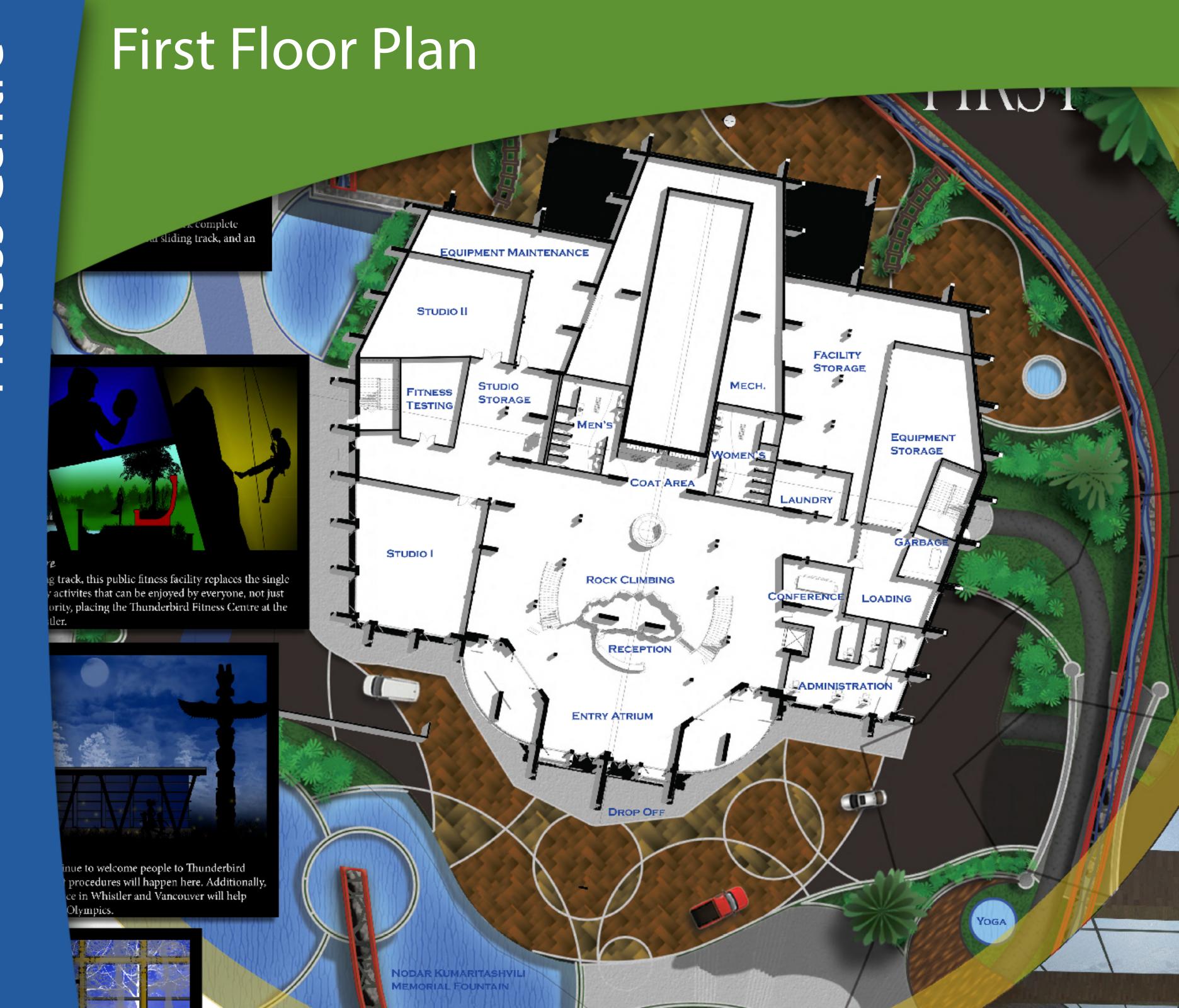




Arbouretum Event Centre

Thunderbird Fitness Centre

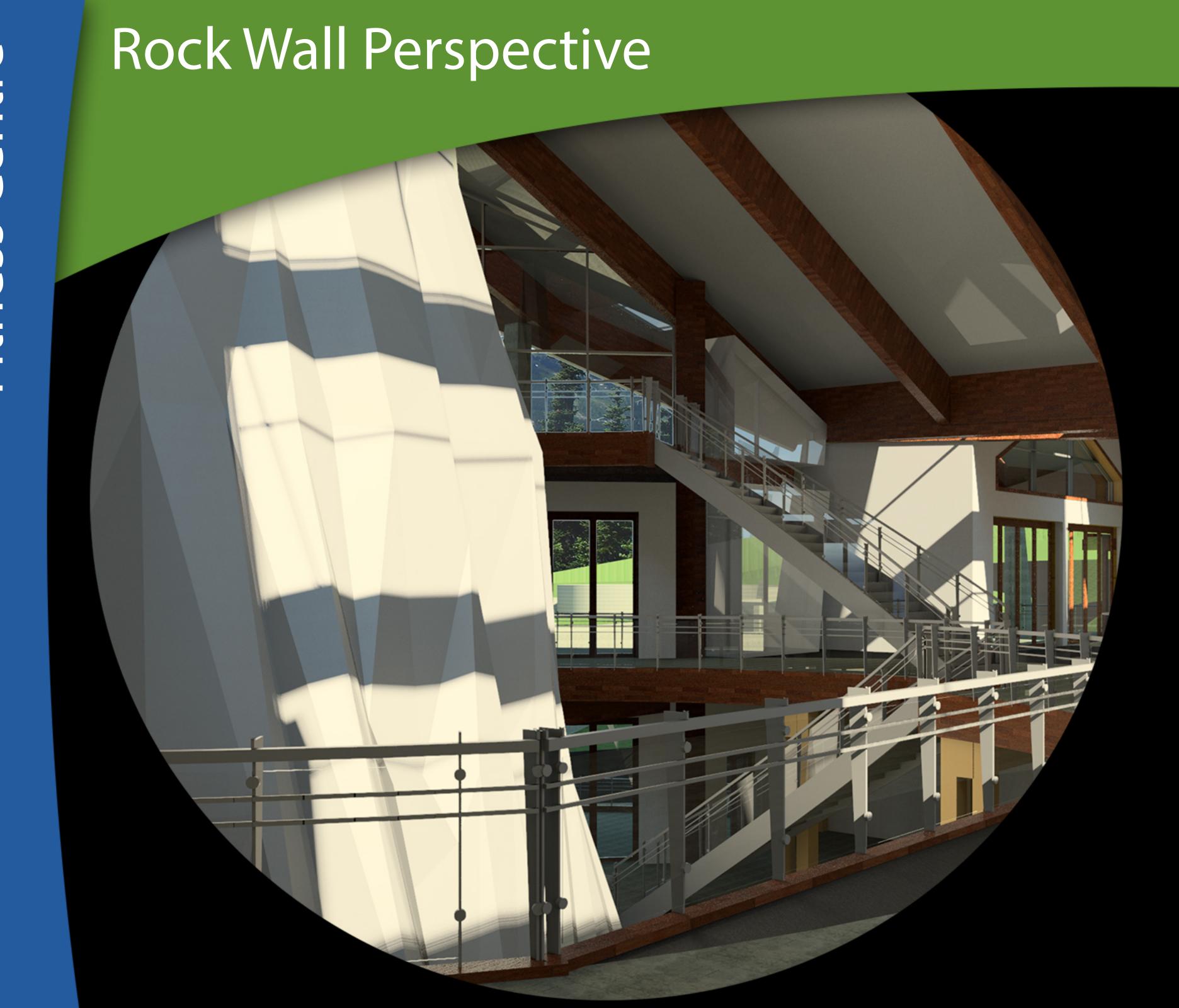








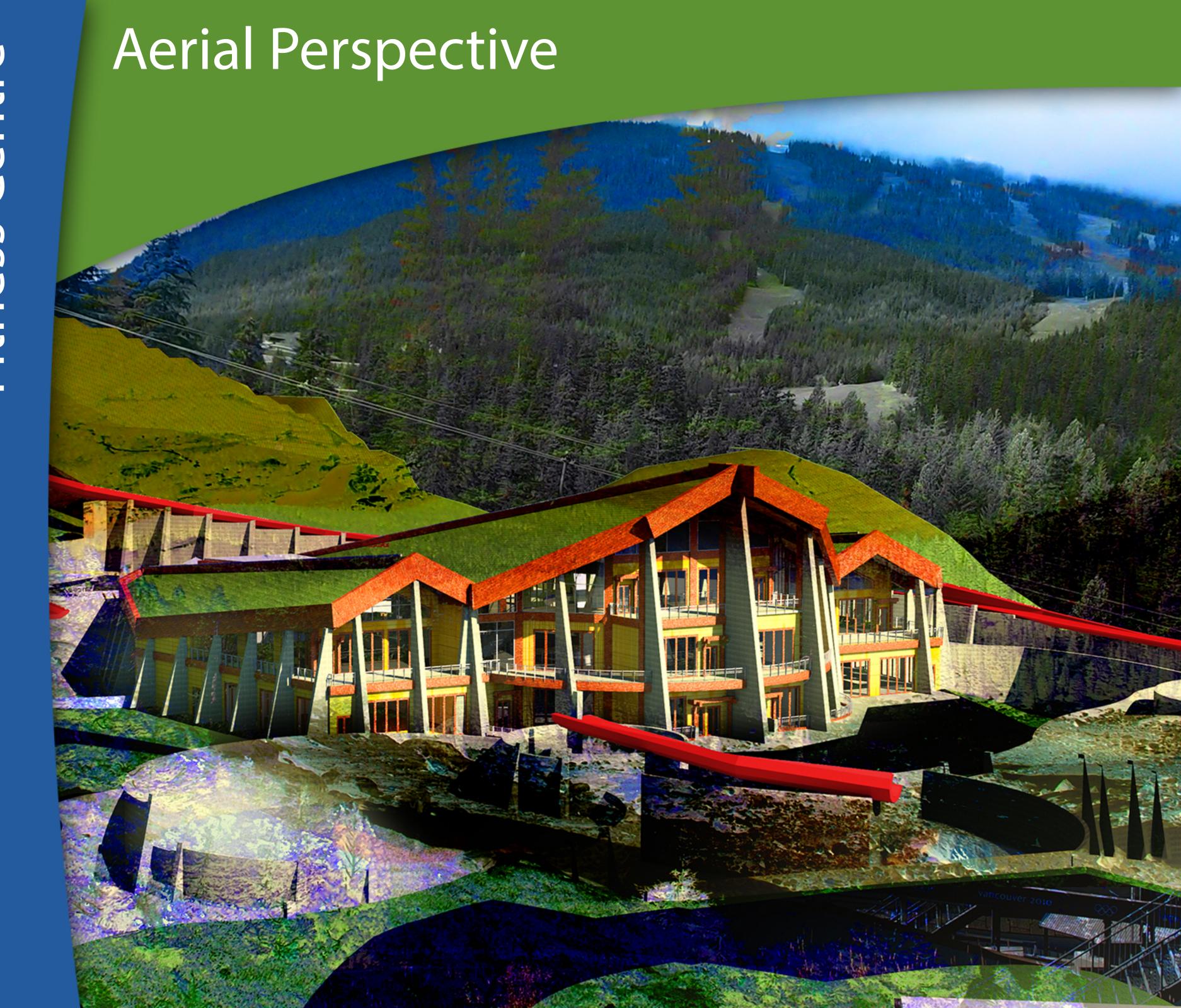
Mezzanine Perspective





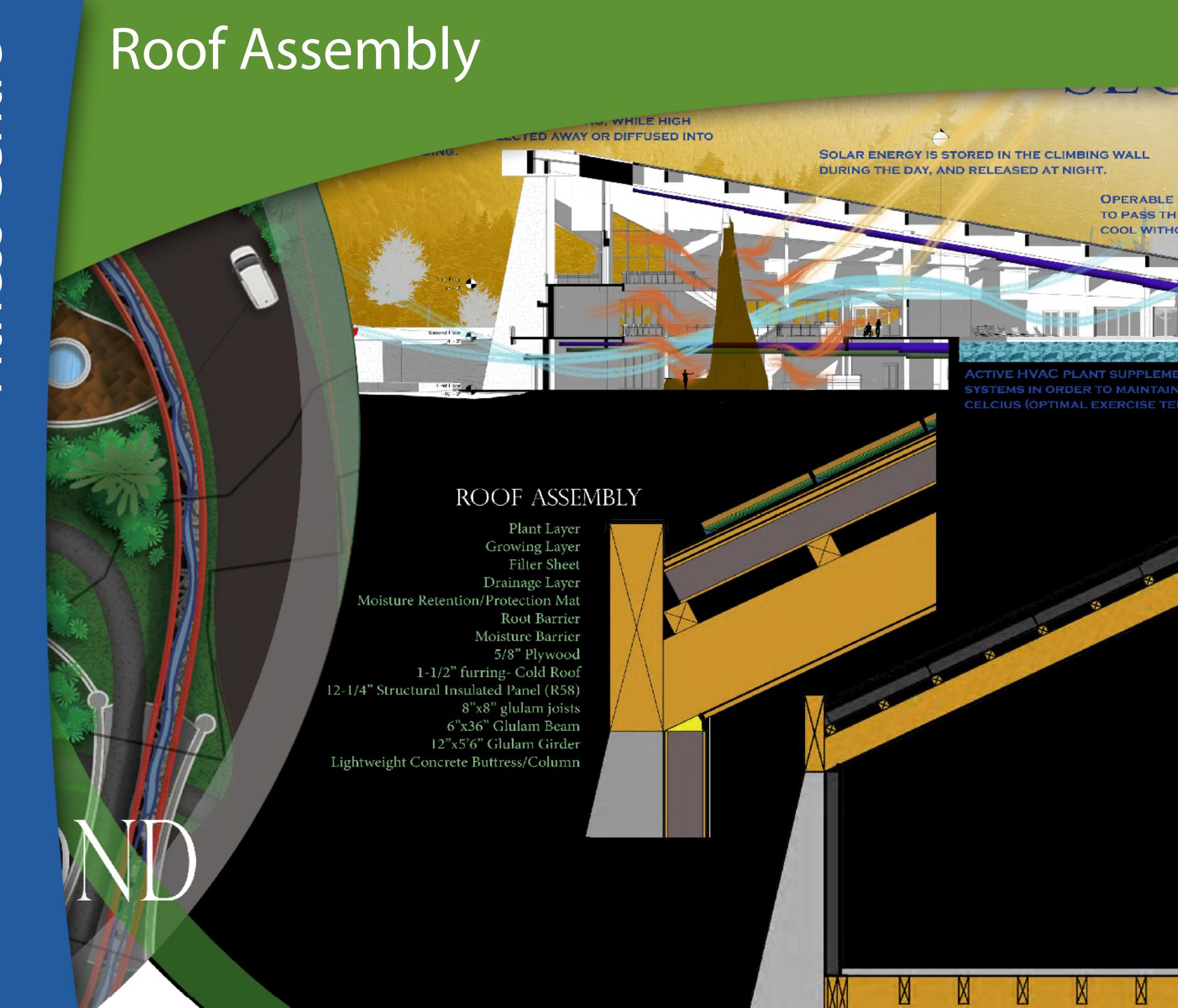
Garden Perspective

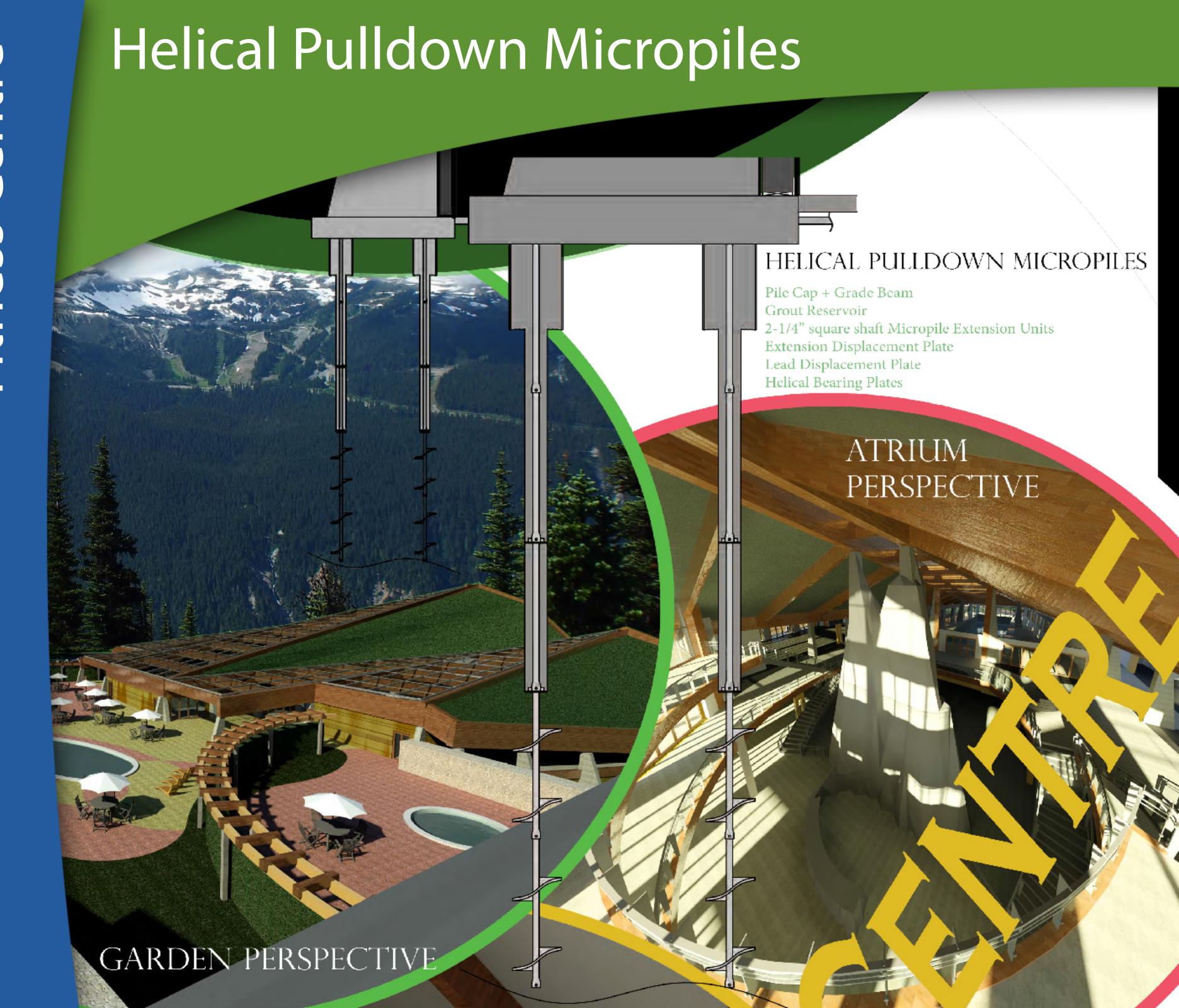




oisture Retention/Protection Mat

Longitudinal Section cut SECTION **DIRECTIONAL GLASS ALLOWS LOW WINTER SUN TO** DIRECTLY PENETRATE THE BUILDING, WHILE HIGH SUMMER SUN IS REFLECTED AWAY OR DIFFUSED INTO THE BUILDING. SOLAR ENERGY IS STORED IN THE CLIMBING WALL DURING THE DAY, AND RELEASED AT NIGHT. **OPERABLE GLASS PANELS ALLOW ANABATIC WINDS** TO PASS THROUGH THE ENTIRE BUILDING, KEEPING IT COOL WITHOUT EXPENDING ENERGY. ACTIVE HVAC PLANT SUPPLEMENTS THE PASSIVE SYSTEMS IN ORDER TO MAINTAIN 18 DEGREES **CELCIUS (OPTIMAL EXERCISE TEMPERATURE)** ROOF ASSEMBLY Plant Layer Growing Layer Filter Sheet Drainage Layer





Recap

How can architecture transform obsolete sporting facilities into community assets in a post olympic environment?

Recap

Thank you!

Questions and Comments?