PETER W. STOTT CENTER RENOVATION

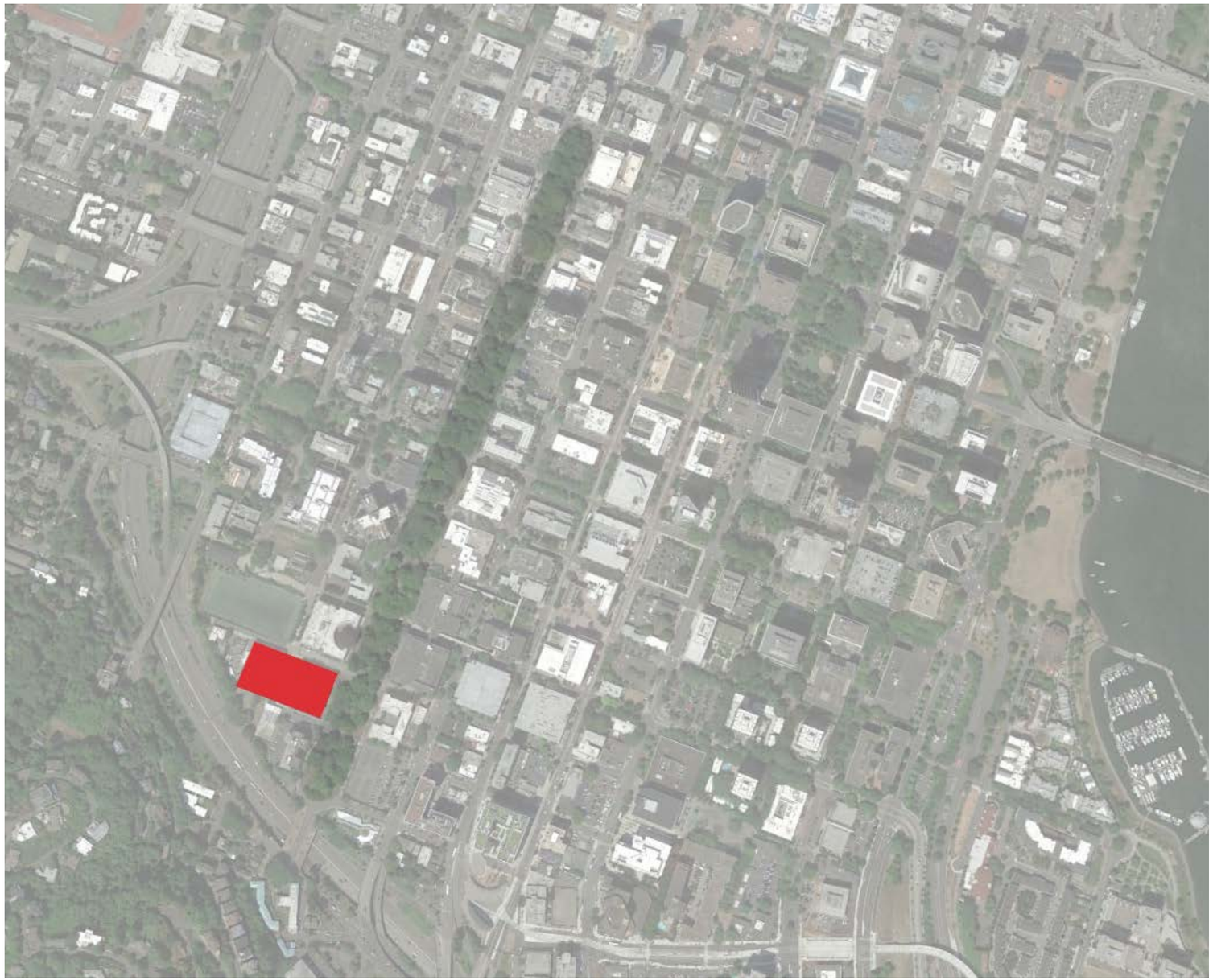
+

VIKING PAVILION

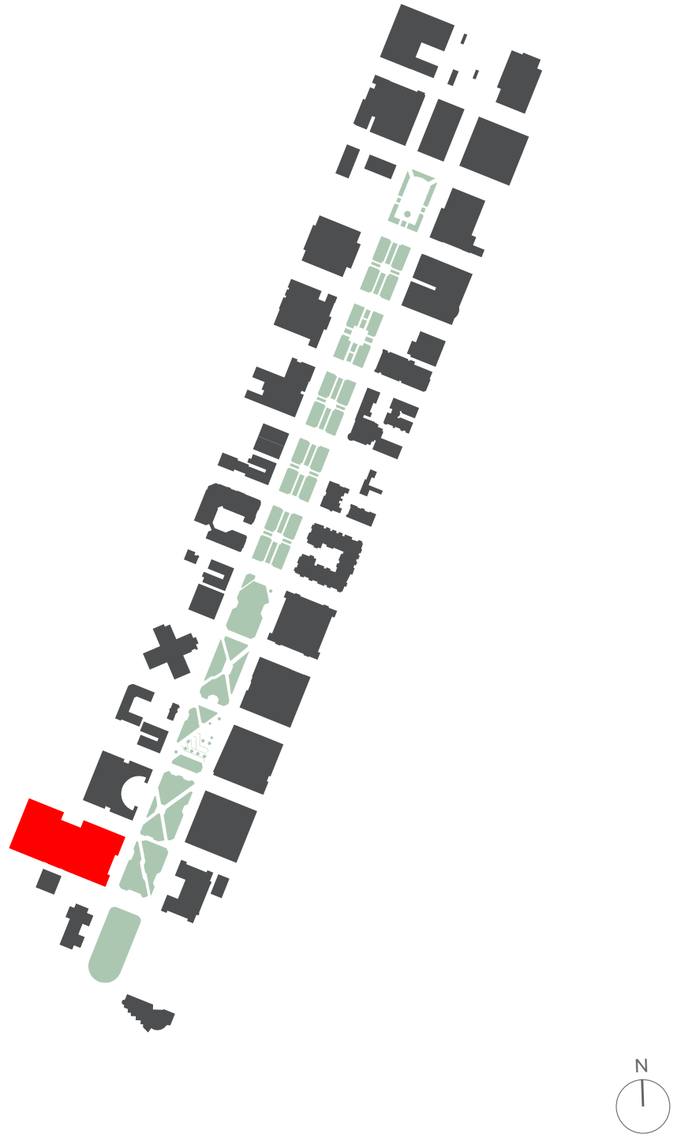
Land Use Review Hearing

March 3, 2016

site location



aerial photo of southwest portland



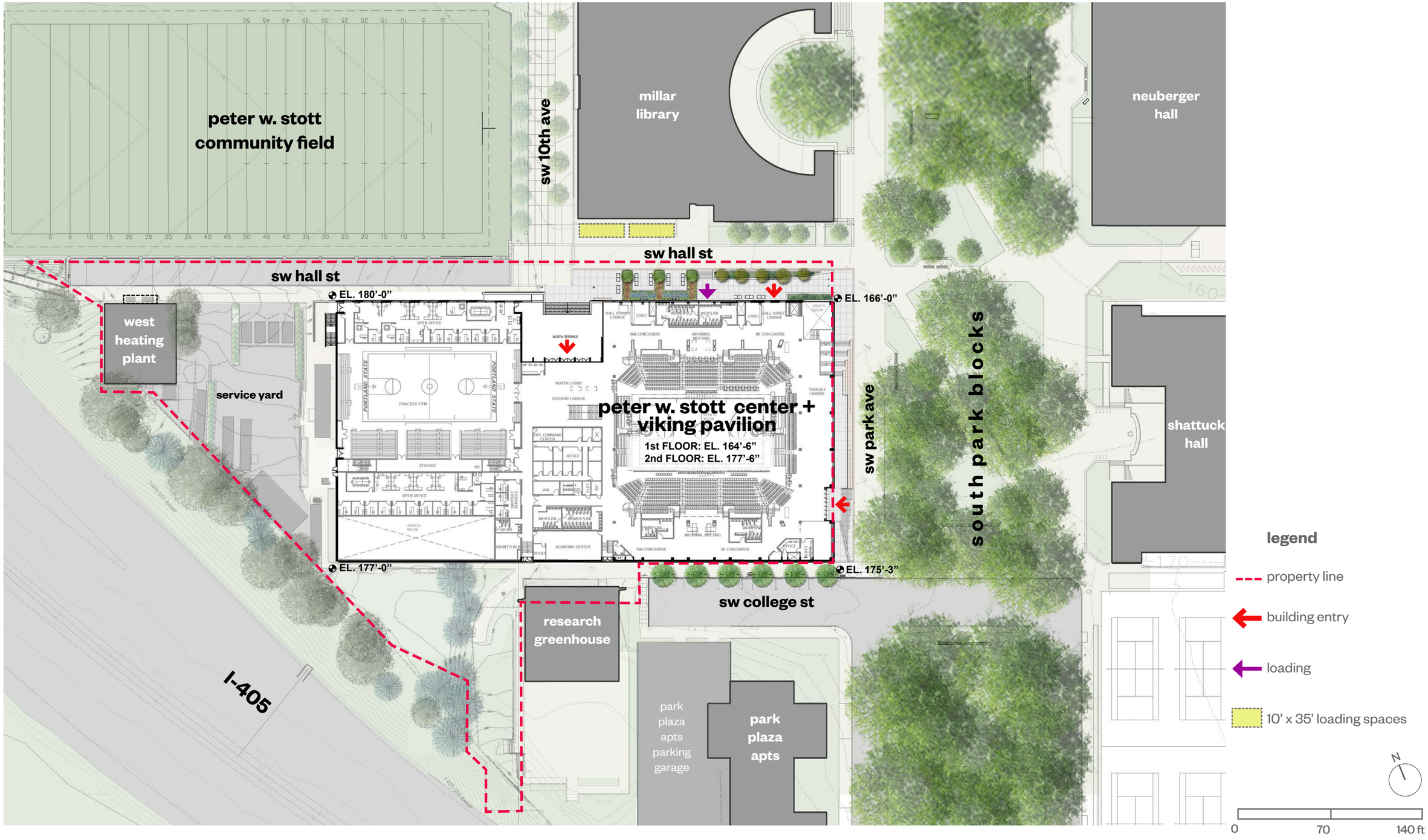
figure/ground diagram of buildings facing south park blocks

existing view from SE

existing view from NE

existing view from NW

Site Plan



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floor plan comparison – level 2

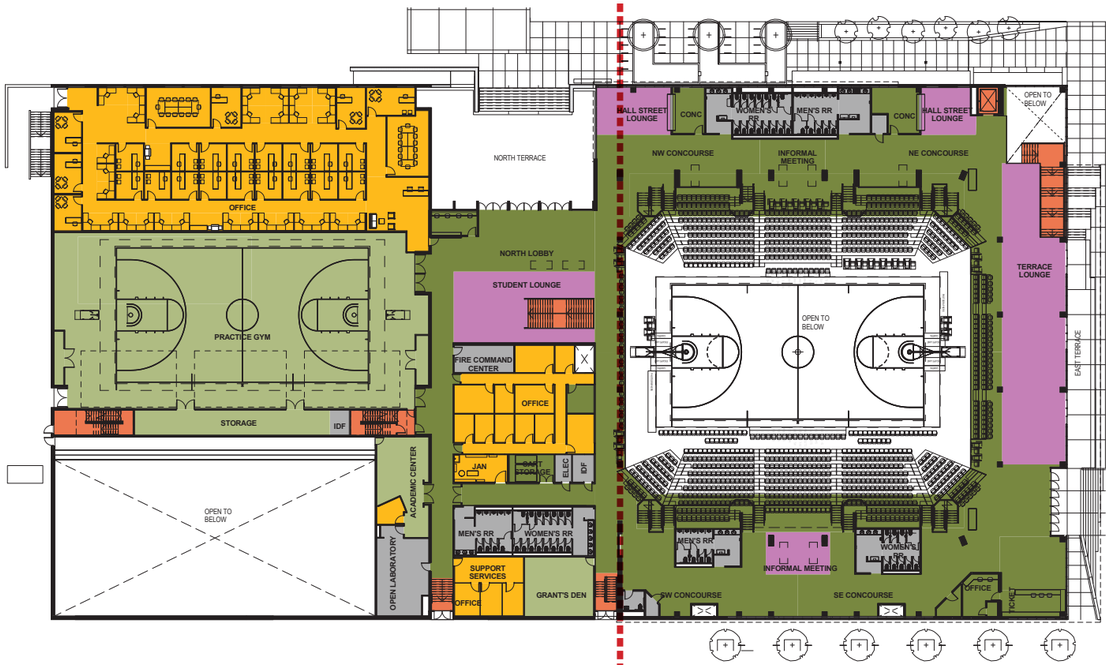
west

- renovation
- deferred maintenance

east

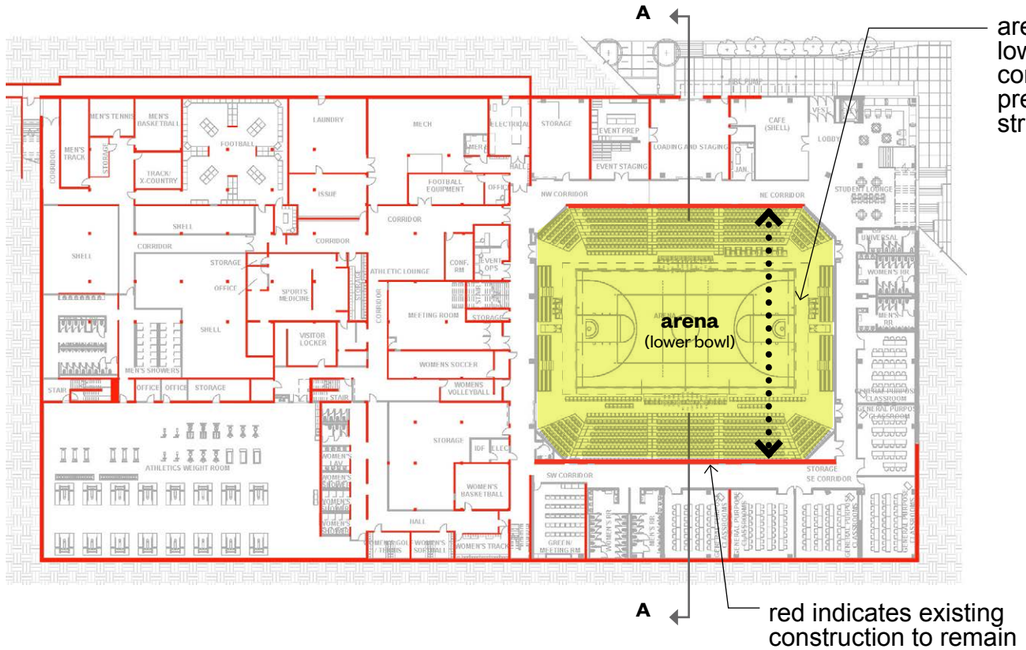
- major renovation
- deferred maintenance
- new exterior (above grade)
- site improvements

existing

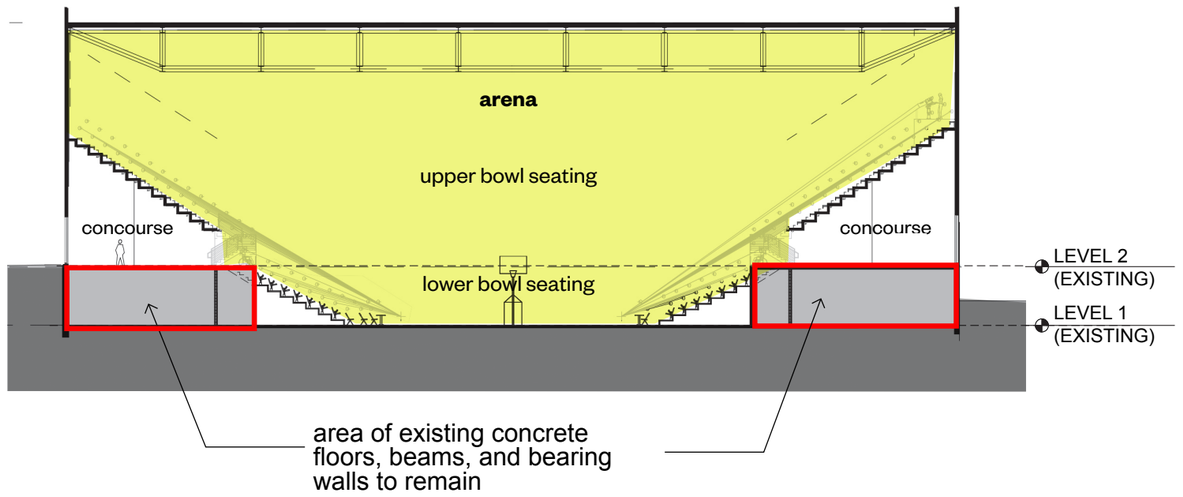


proposed

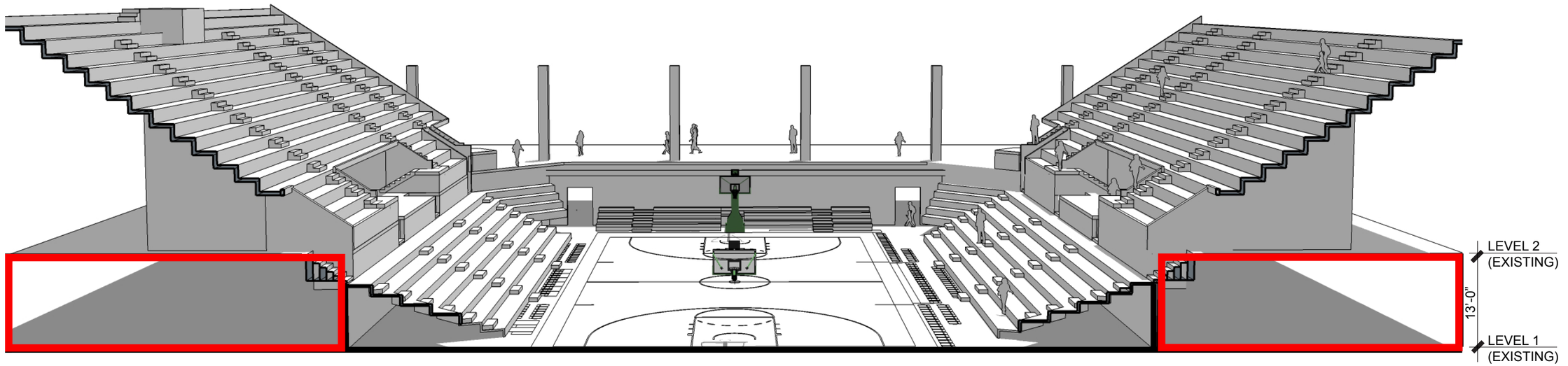
concept diagrams



1st Floor Plan Showing Existing Construction to Remain



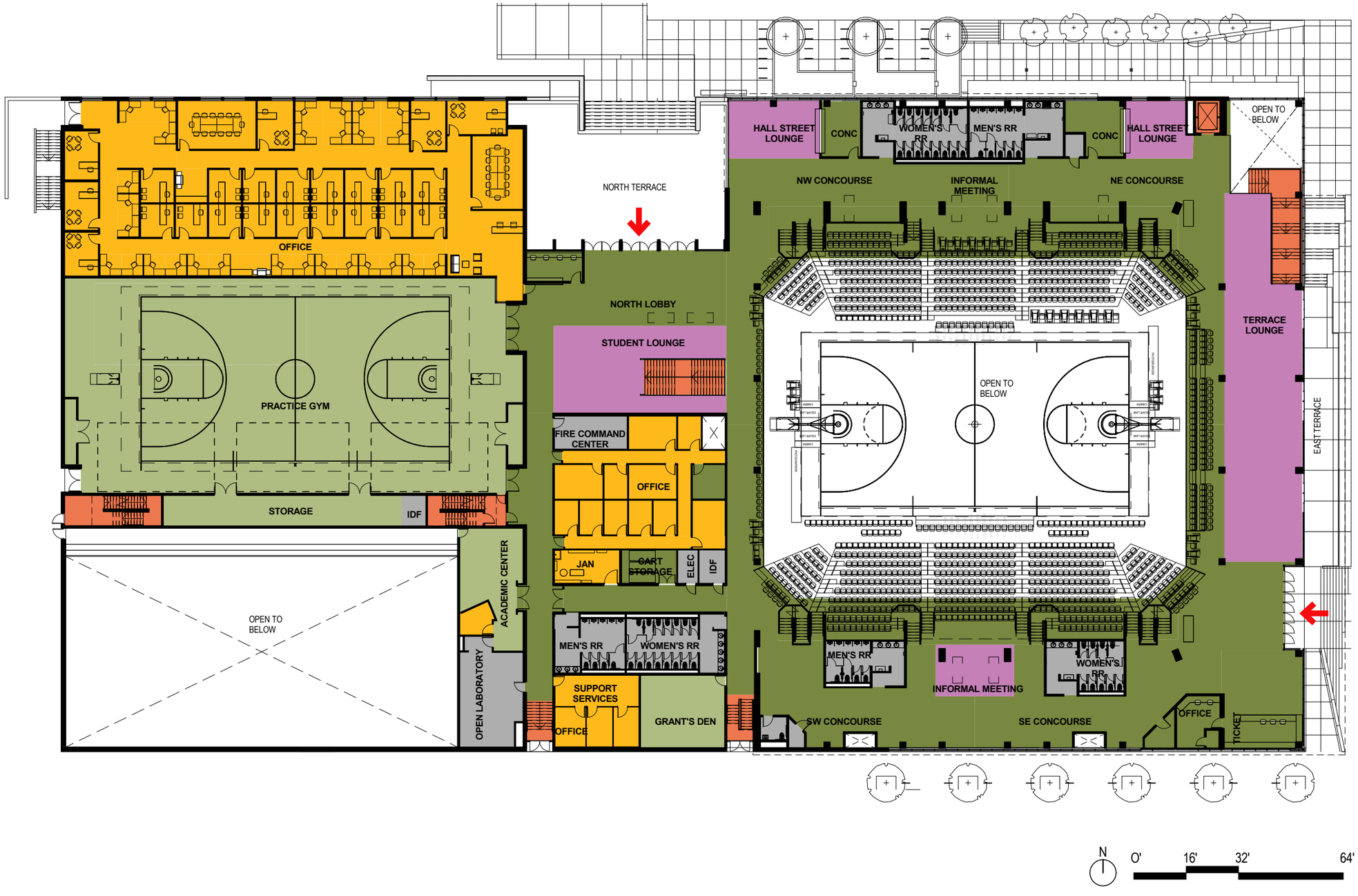
A-A: Section Diagram Looking West



3-D Arena Concept Diagram Looking East

floor plan

level 2

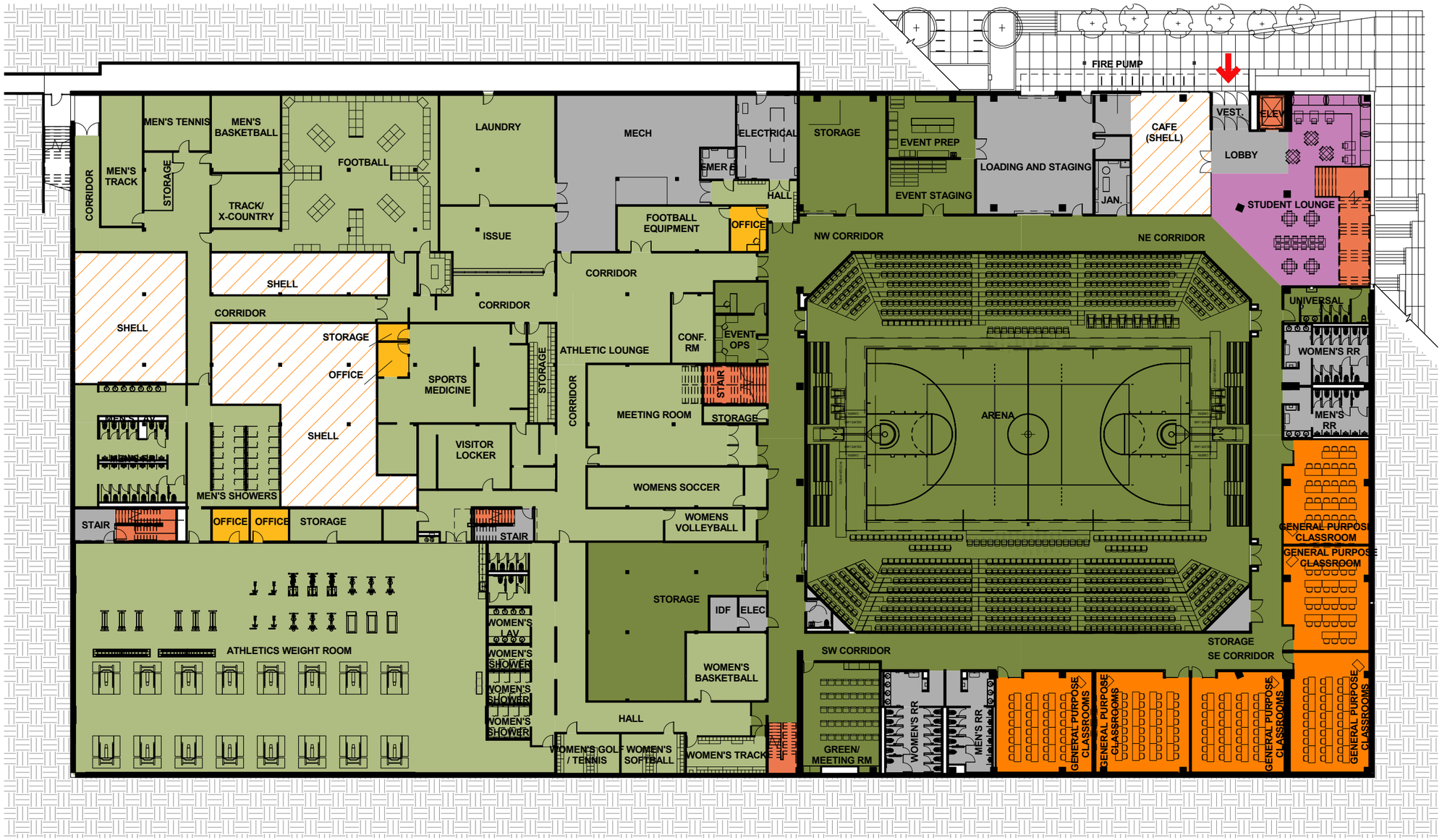


legend

- athletics
- arena
- offices/dep't meeting
- vertical circulation
- student
- general use classroom
- building support
- shelled space
- building entry

floor plan

level 1



legend

- athletics
- arena
- offices/dep't meeting
- vertical circulation
- student
- general use classroom
- building support
- shelled space
- building entry

N

0' 16' 32' 64'

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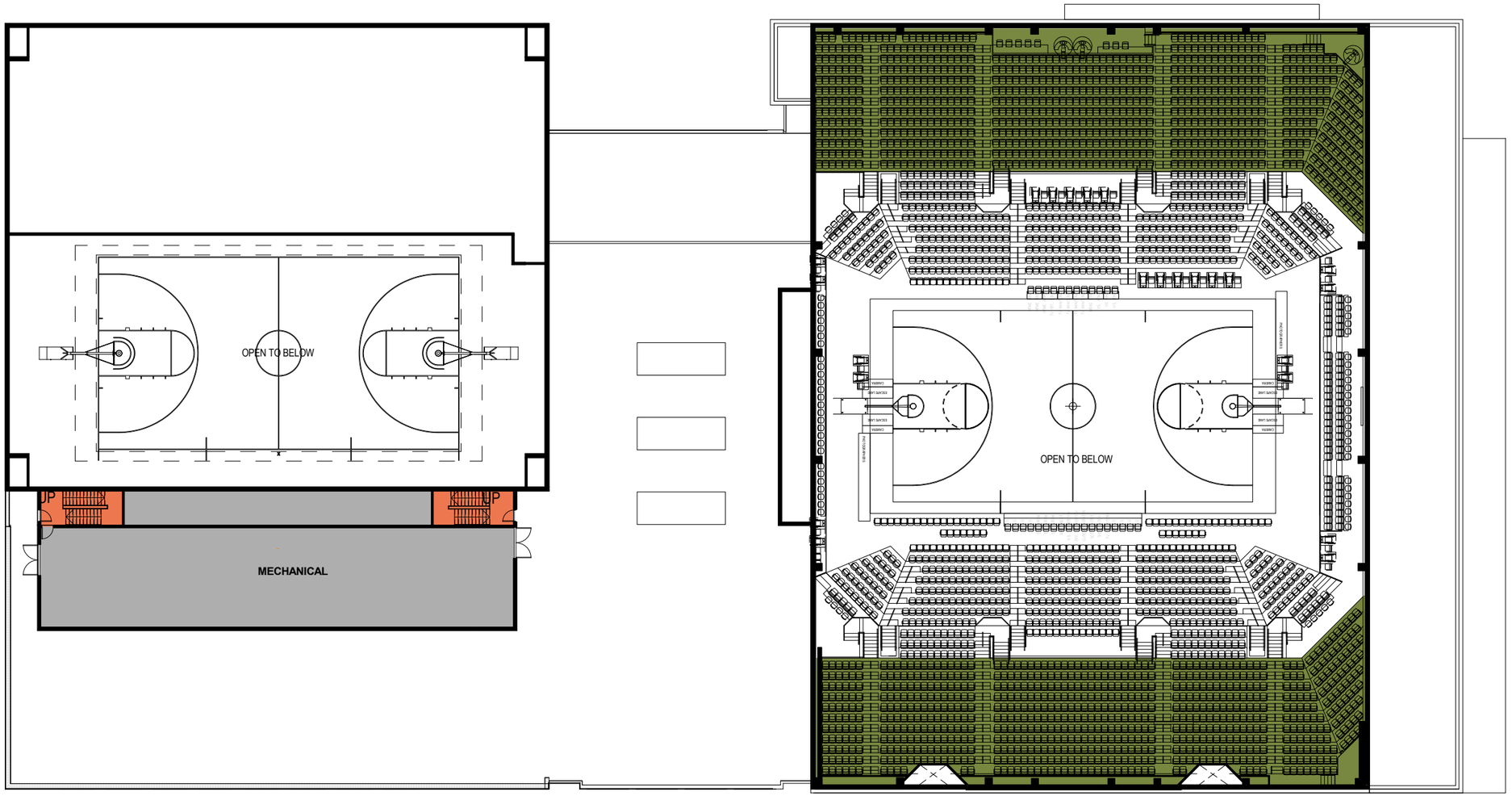

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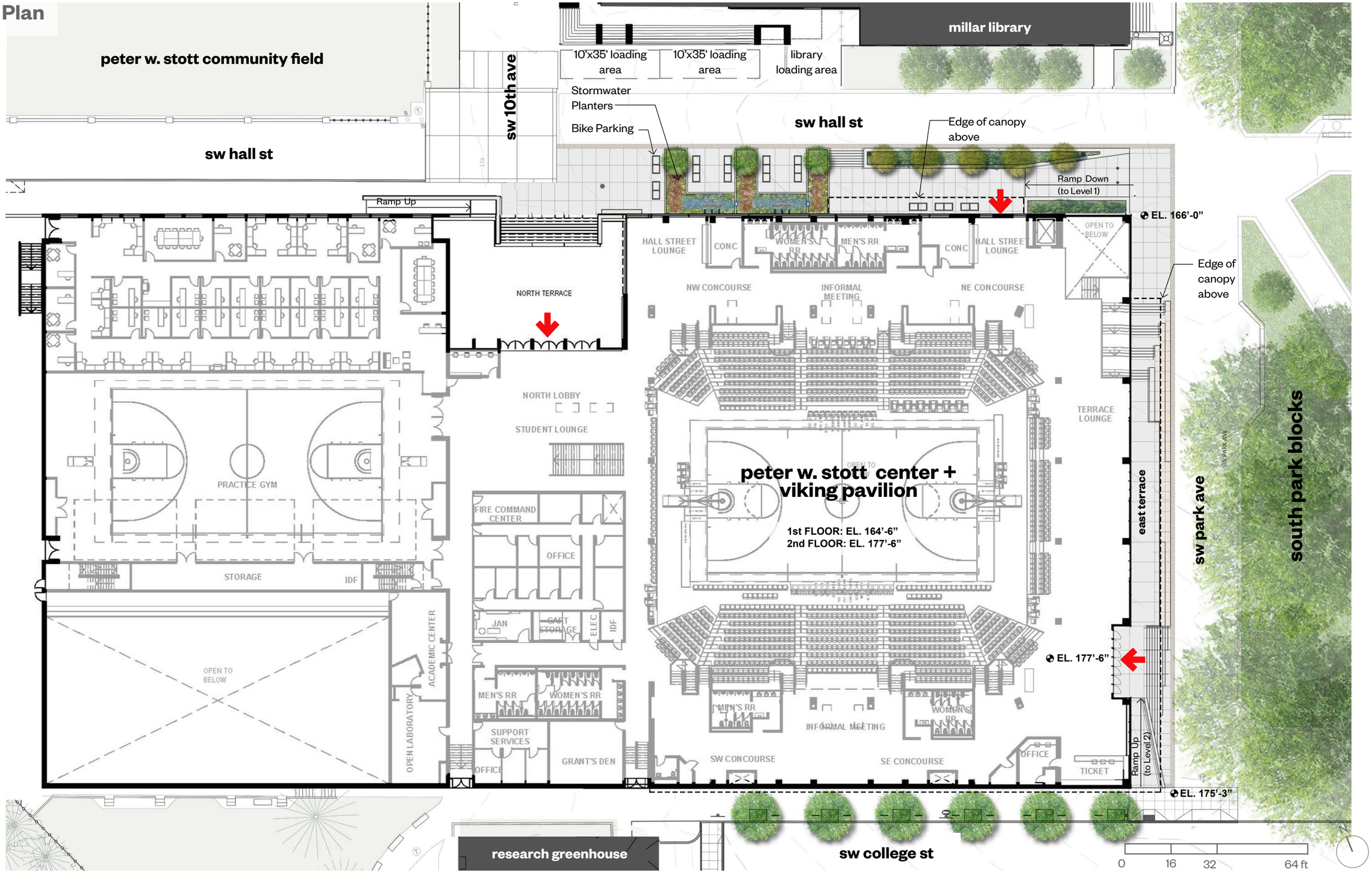
N 0' 16' 32' 64'

Site Plan



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Design Advice Feedback

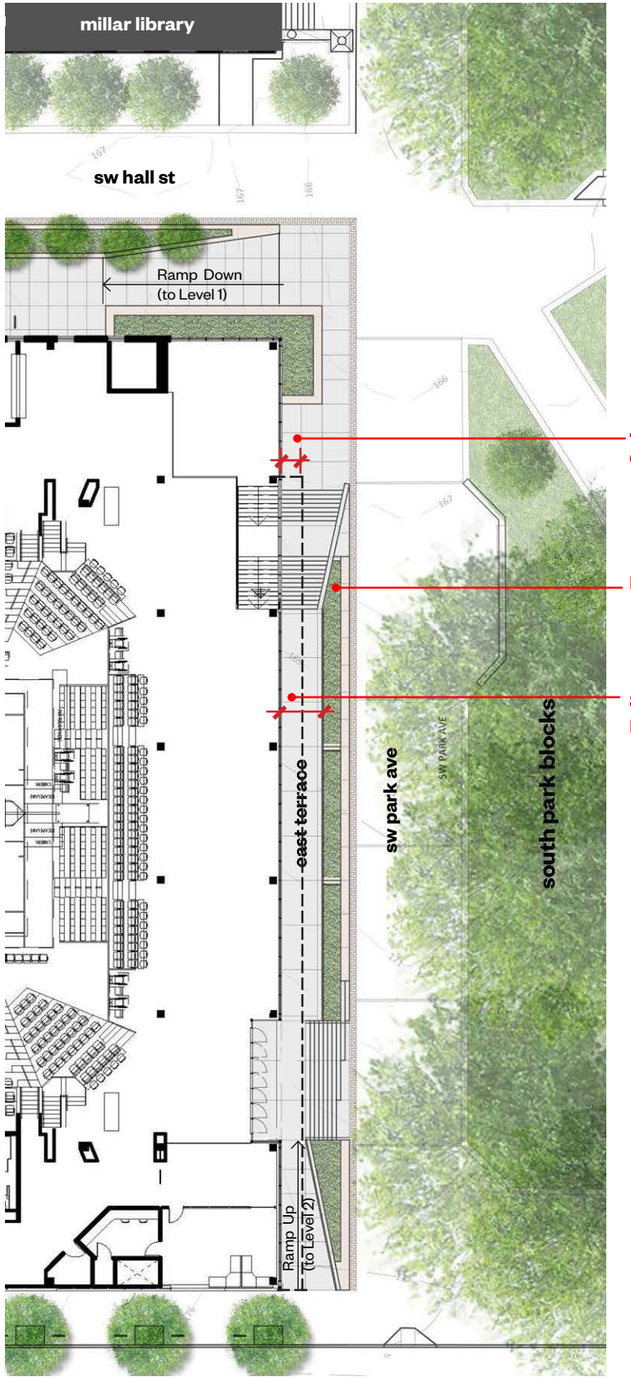
Revisions in response to DA Hearing Comments:

•The depth of the east terrace has been increased from 8'-6" to 10'-0".

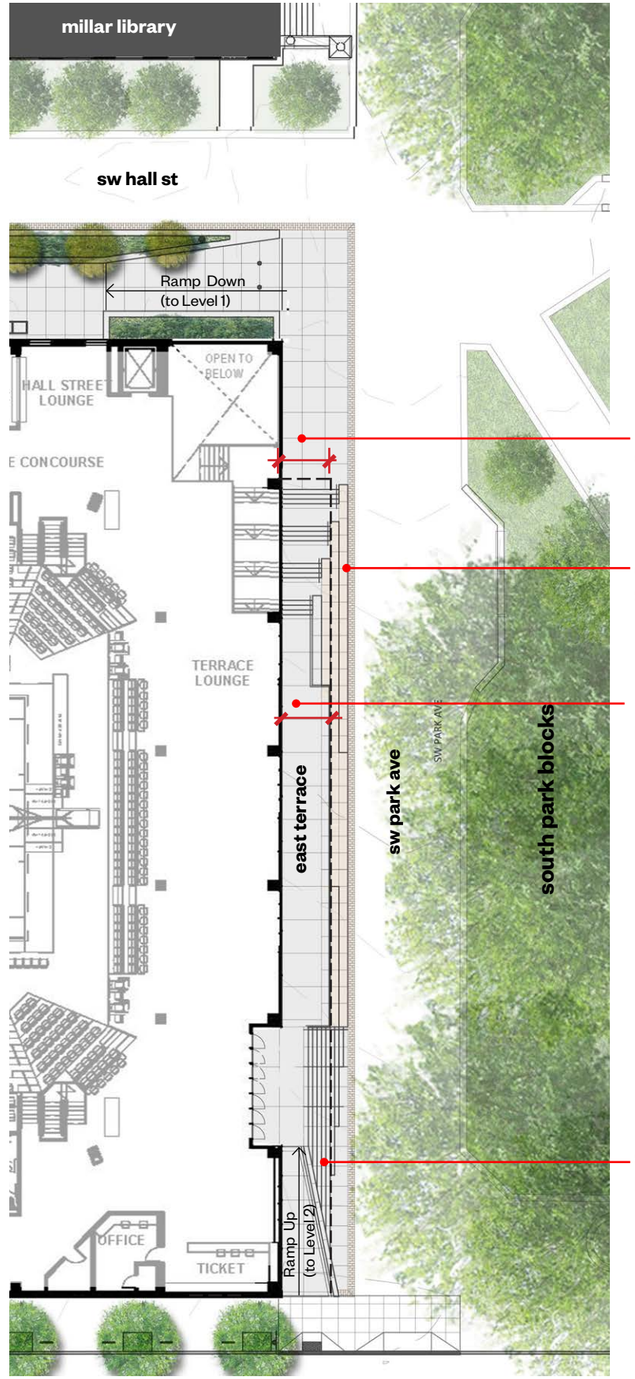
•The terrace canopy has been extended from 4'-6" to 10'-0" to cover the entire terrace, providing a sheltered space overlooking the Park.

•The north end of the terrace has been refined to be a cascading edge that steps down in four equal increments to meet the Park. This reduces the perceived height of the terrace for pedestrians walking by on SW Park Ave and provides a series of seating areas facing the Park.

•The landscaping has been removed from the front of the terrace and all vertical faces of the terrace/seat walls are faced in the same blend of tan bricks used at the base of the building, further unifying the pedestrian experience of the buildings perimeter.



DAR Plan



LUR Plan

East Terrace

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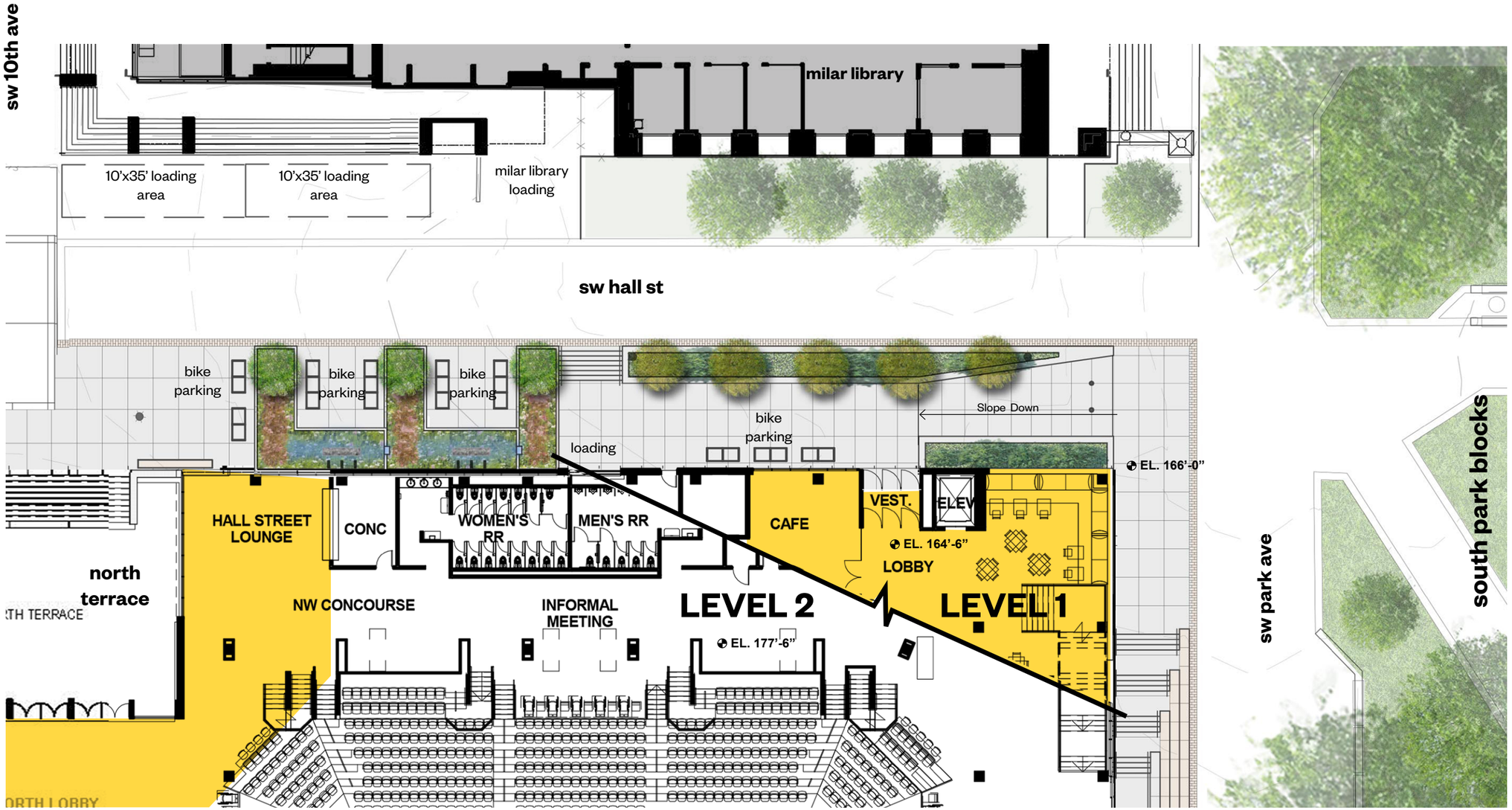


Revisions in response to DA Hearing Comments:

- To animate and activate the edge of SW Hall Street outside the building, a series of bike parking clusters contained by cascading stormwater planters has been created. These planters will treat all the roof water from the arena roof, fed by ornamental scuppers that emerge from the brick base of the building. By consolidating and celebrating these uses, this area helps demonstrate PSU's commitment to sustainability and alternative transport and creates an intermediary scale between people and the building.

Active Uses with windows facing SW Hall Street

0 16 32 64 ft

N

Revisions in response to DA Hearing Comments:

• To animate and activate the edge of SW Hall Street outside the building, a series of bike parking clusters contained by cascading stormwater planters has been created. These planters will treat all the roof water from the arena roof, fed by ornamental scuppers that emerge from the brick base of the building. By consolidating and celebrating these uses, this area helps demonstrate PSU's commitment to sustainability and alternative transport and creates an intermediary scale between people and the building.

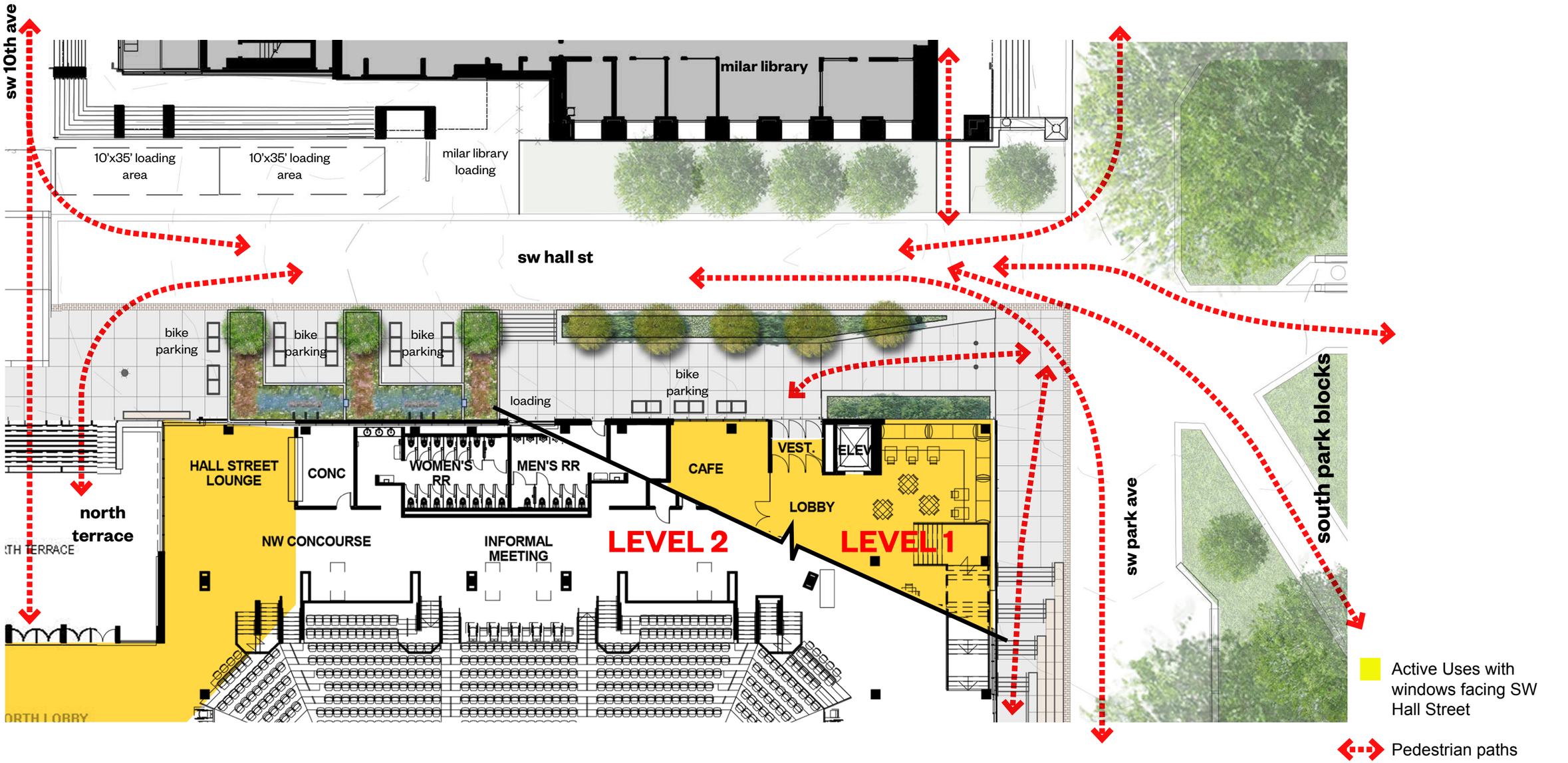
• Plants have been chosen for shape, seasonal color, appropriateness for stormwater planters, hardiness, ease of maintenance and shade tolerance. Refer also to C.22 .

view of stormwater planters + bike parking at Hall Street

SW HALL STREET

enlarged plan

sw hall street



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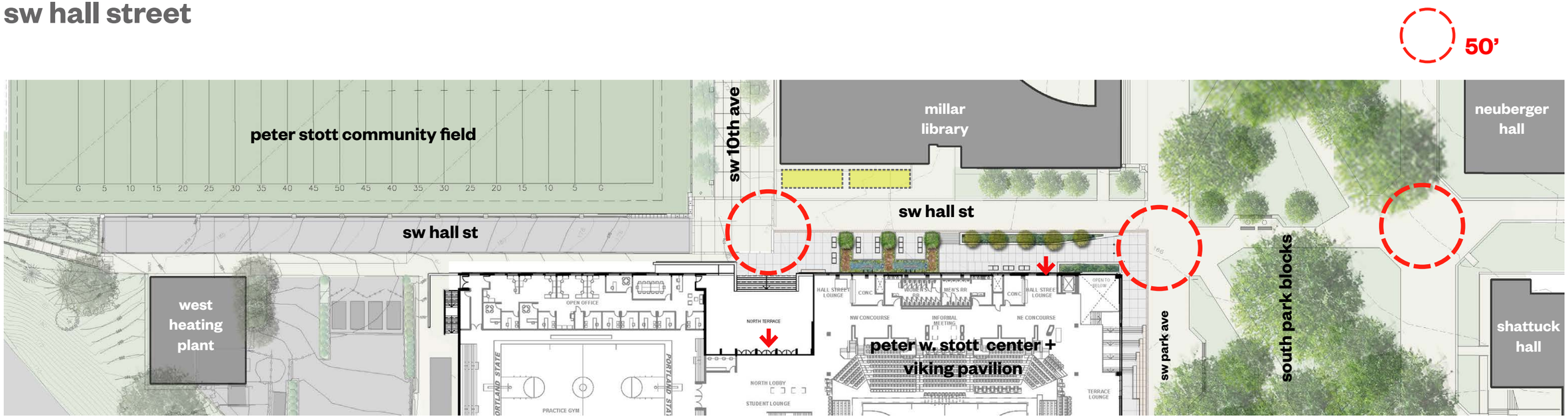
existing

intersection of sw hall st and sw park ave

sw hall street



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woofter architecture + **sink combs dethlefs**
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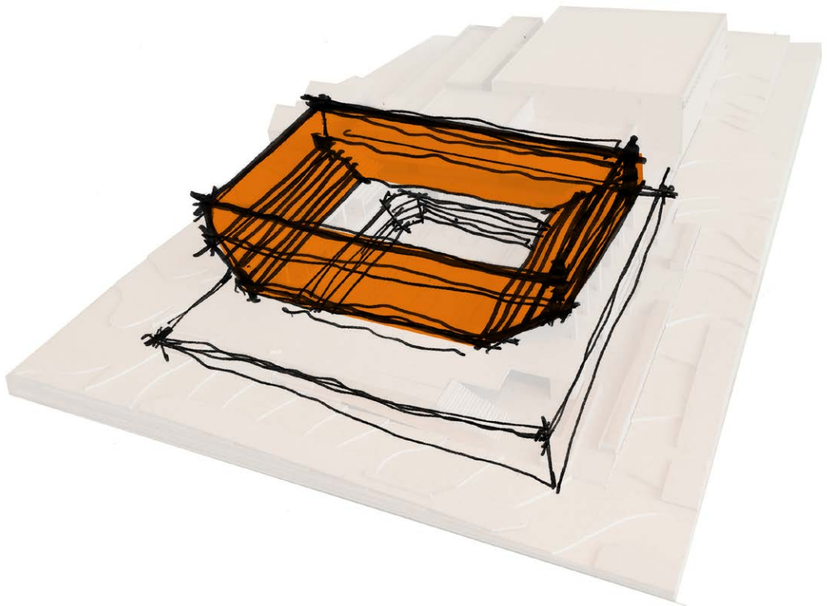
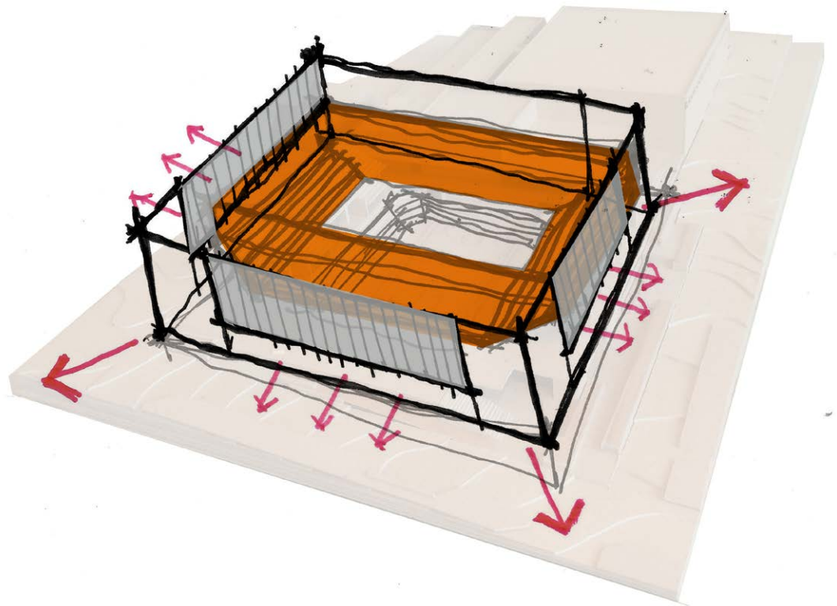


interior arena volume



exterior enclosure + site connections

building expression:

- unified, civic building
- simple, authentic

bowl expression:

- full-height glazed corners revealing bowl volume at entries/ primary site approaches

concourse expression:

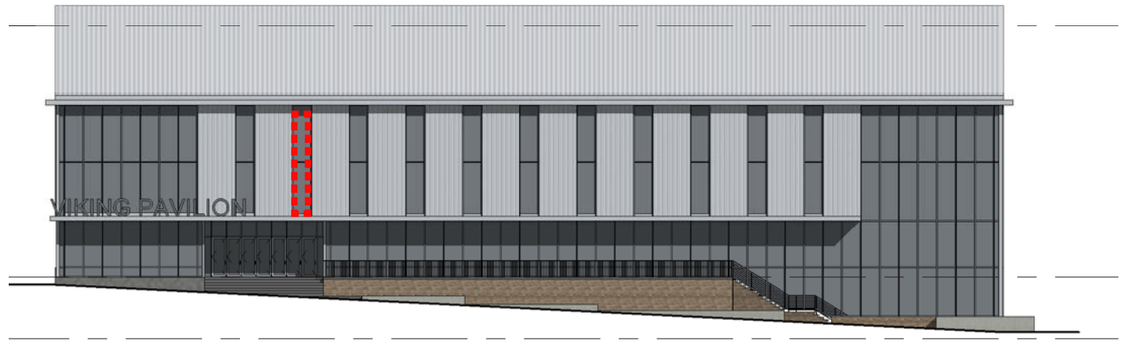
- consistent on all exposed sides
- glazing at concourse level for views/ site connections
- repetitive panels/ full-height windows above:
  glimpses of arena volume,
  controlled daylight into concourse

Design Advice Feedback

East Exterior

Revisions in response to DA Hearing Comments:

- The size of the proposed sign over the main entry facing SW Park has been reduced to be less than 100 square feet.
- On the east, the proportion of glazing centered in the façade and above the canopy has been increased to double the width of the previous window openings.
- Solar studies and energy modelling confirmed that areas of solid wall system above the canopy overhang on the east façade reduces the cooling loads significantly while also mitigating the impact of direct sunlight and glare on interior uses.



east – DAR

east – LUR

Design Advice Feedback

Revisions in response to DA Hearing Comments:

• On the east, the proportion of glazing centered in the façade and above the canopy has been increased to double the width of the previous window openings.

• The color of the metal proposed has been revised from gray/silver to a more tan “champagne gold”. This relates more directly to the brick at the Stott Center (to be matched in the base of the new exterior), the light bronze metal panels on the existing Stott Center, and the yellow/tan brick blend used at Millar Library to the North. It also provides a more unified color palette between new and old as well as making the metal appear less “metal”.

• All metal panels proposed will be of heavy gauge (18 gauge unbacked, 20 gauge corrugated/pleated profiles) with concealed fasteners.

• The metal panels proposed are all located in areas that are not within reach of pedestrians: glass, brick, and concrete are in the areas pedestrians will directly experience and can touch.

• Curtainwall snapcap extensions are provided at vertical mullions in glazed areas between metal panels on the east to provide further articulation, depth and more sun control to this façade as the proportion of glazing in this area increased.

• Precast concrete caps provide a finished top surface and unite the walls with the precast stair treads and relate to the base of the adjacent Millar Library.

Exterior Materials

east – DAR

Formed Metal Panels
Type 1 (FMP-1)
•20 gauge
•concealed fasteners

Formed Metal Panels
Type 2 (FMP-2)
•18 gauge
•concealed fasteners

Extended Vertical
Curtainwall Snapcap

Aluminum Canopy Fascia

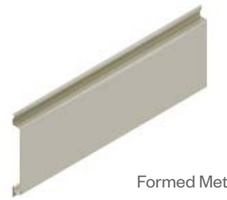
Storefront + Curtainwall
Glazing Systems

Painted Metal Guardrail

Building Base/Terrace/Seat Walls:
•Brick Veneer (color and bond pattern to closely match existing Stott Center)
•Precast planter wall caps and steps (color to closely match Millar Library base)

east – LUR

Formed Metal Panel - Type 1



Formed Metal Panel - Type 2

Painted Metal Guardrail

Precast Copings and Treads

Brick

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VIKING PAVILION


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VIKING PAVILION


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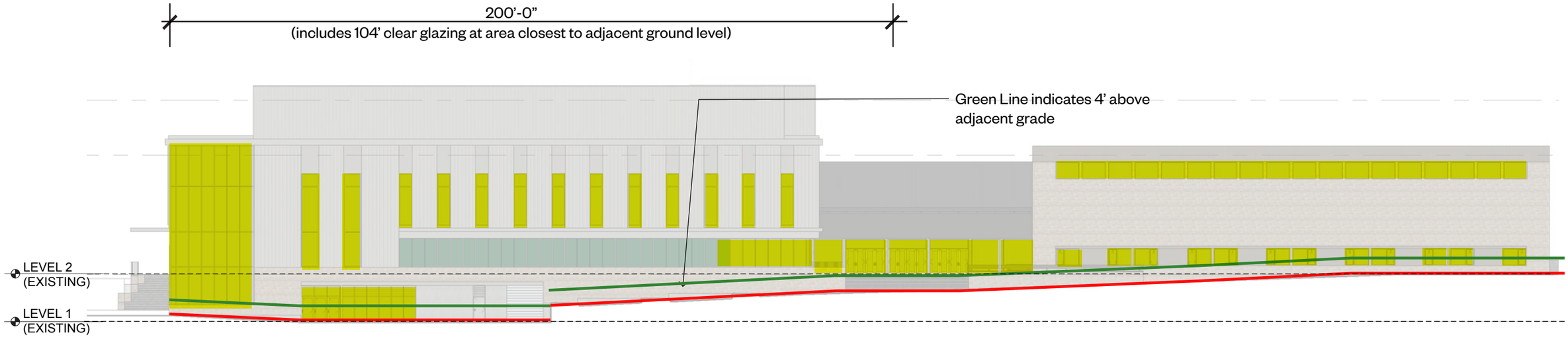
VIKING PAVILION

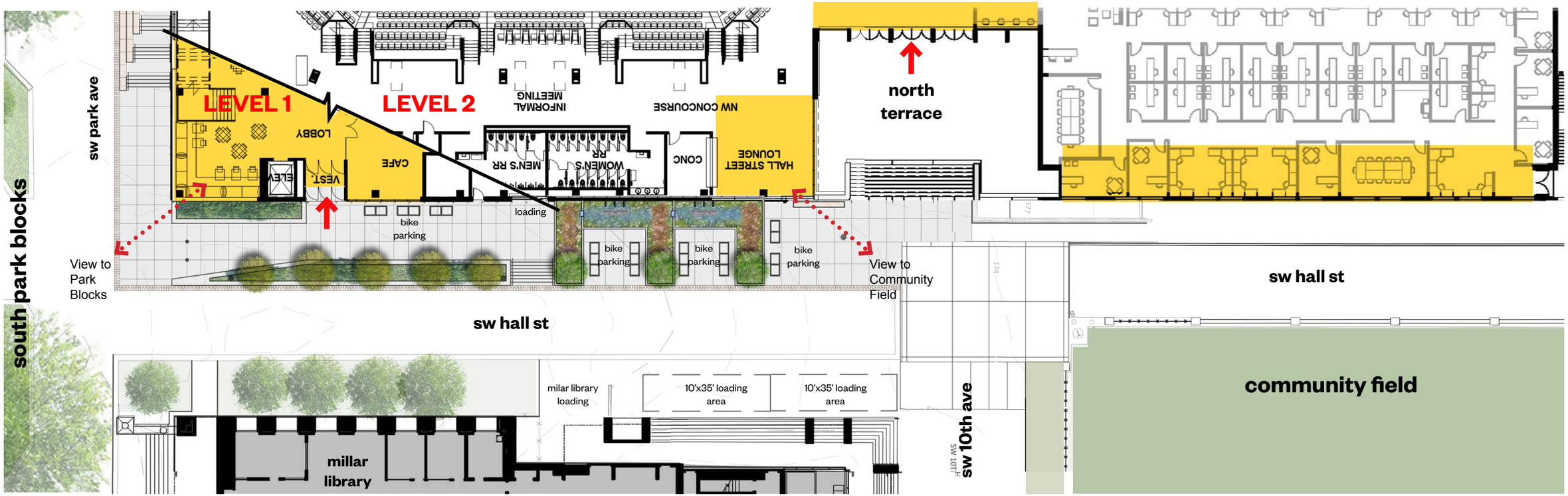

PETER W. STOTT CENTER
VIKING PAVILION

view from N

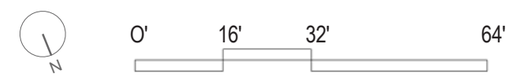
sw hall street



north elevation



site plan at SW Hall St



sw college st

south park blocks

sw park ave

sw park ave

TICKET

OFFICE

SE CONCOURSE

SW CONCOURSE

INFORMAL MEETING

WOMEN'S RR

MEN'S RR

east lobby

TERRACE LOUNGE

OPEN TO BELOW

GRAB & GO DEN

OFFICE

SUPPORT SERVICES

WOMEN'S RR

MEN'S RR

IDF

ELEC

STORAGE

JAN

OFFICE

FIRE COMMAND CENTER

OPEN LABORATORY

ACADEMIC CENTER

OPEN TO BELOW

IDF

STORAGE

PRACTICE GYM

STUDENT LOUNGE

north lobby

north terrace

LEVEL 1

LEVEL 2

LOBBY

ELEV.

VEST.

CAFE

INFORMAL MEETING

MEN'S RR

WOMEN'S RR

CONC

NW CONCOURSE

HALL STREET LOUNGE

loading

bike parking

bike parking

bike parking

bike parking

View to Park Blocks

View to Community Field

sw hall st

sw hall st

sw 10th ave

milar library loading

10'x35' loading area

10'x35' loading area

community field

N

0' 16' 32' 64'


PETER W. STOTT CENTER
VIKING PAVILION

exterior elevation

north

0 30 60 ft

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exterior elevation

east

0 30 60 ft

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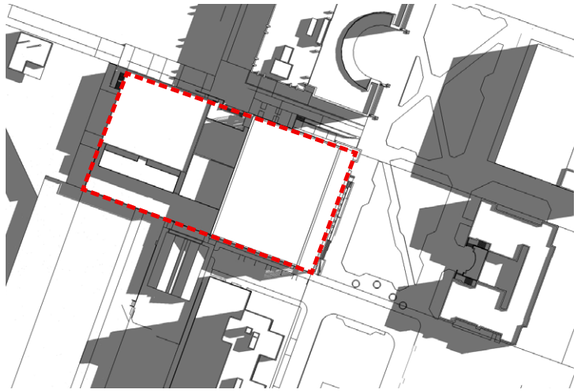
exterior elevation

south

0 30 60 ft

sun studies

summer solstice



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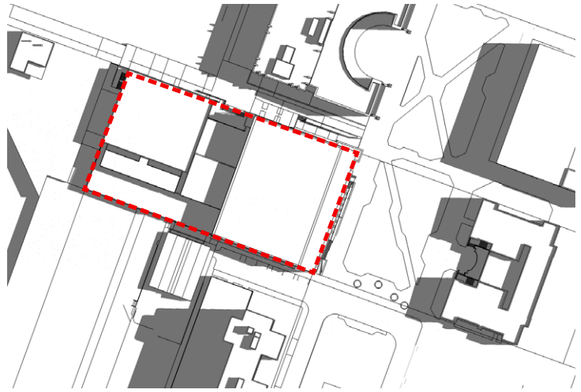

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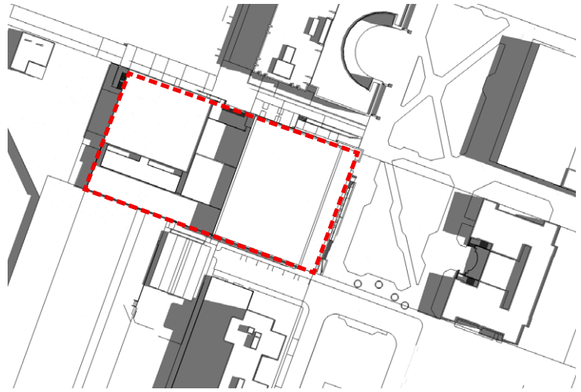

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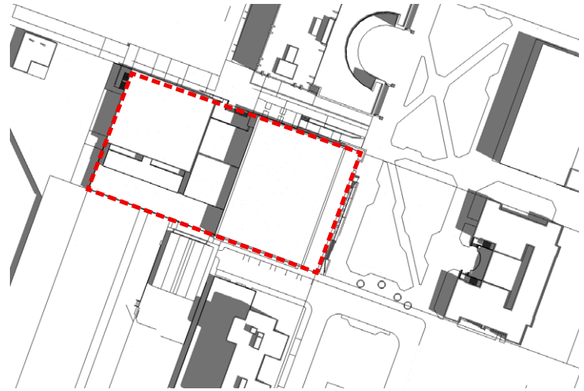

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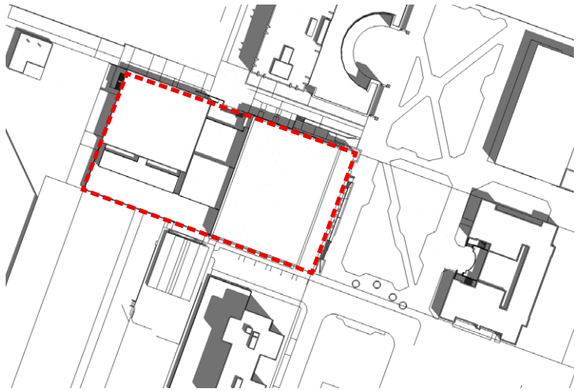

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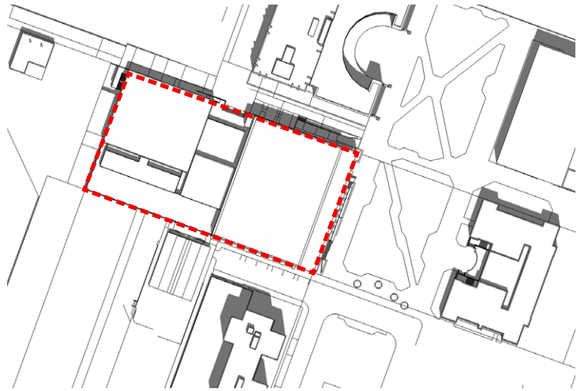

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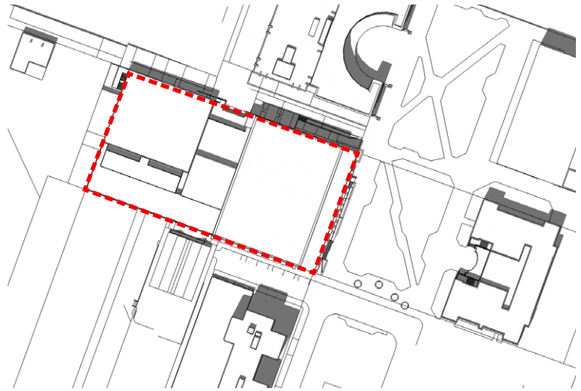

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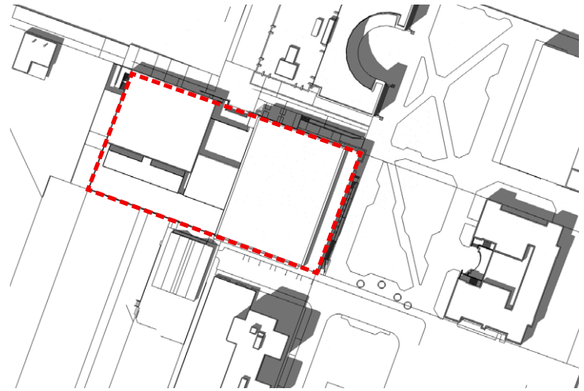

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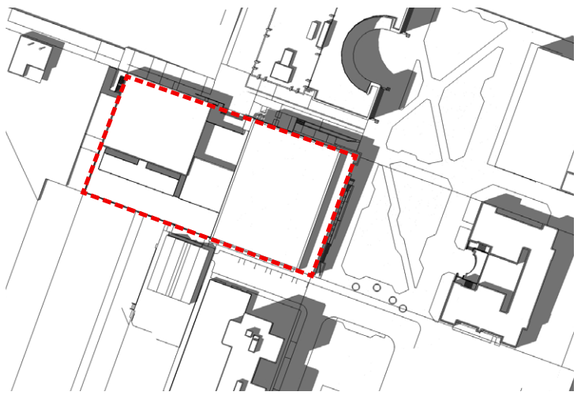

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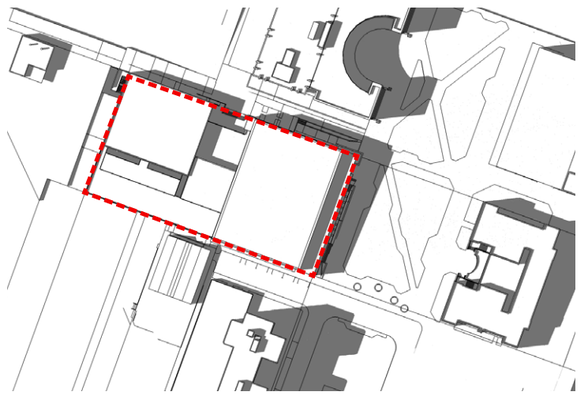

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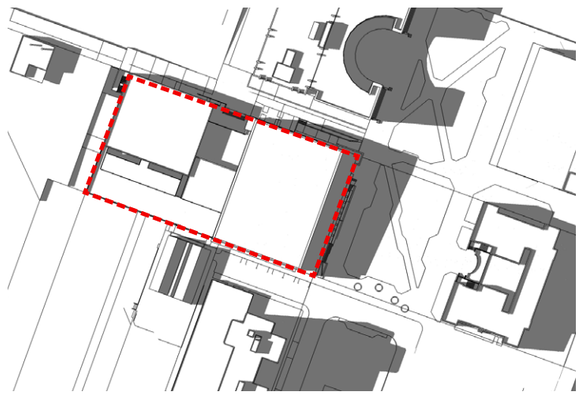

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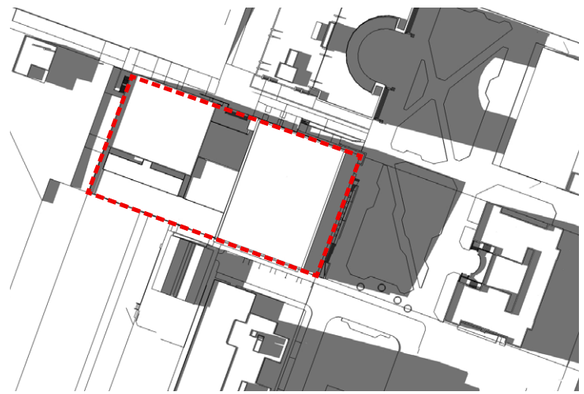

17:00

N

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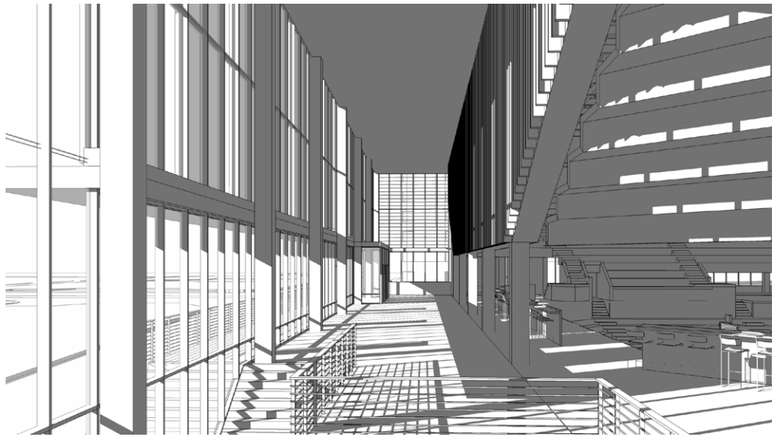
sun studies

summer solstice



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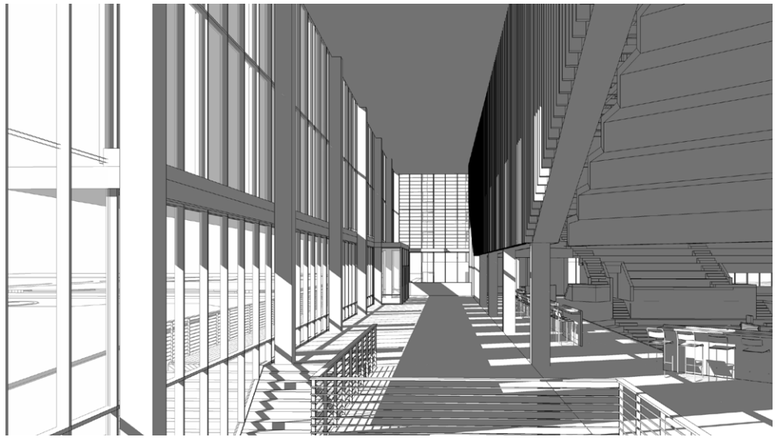

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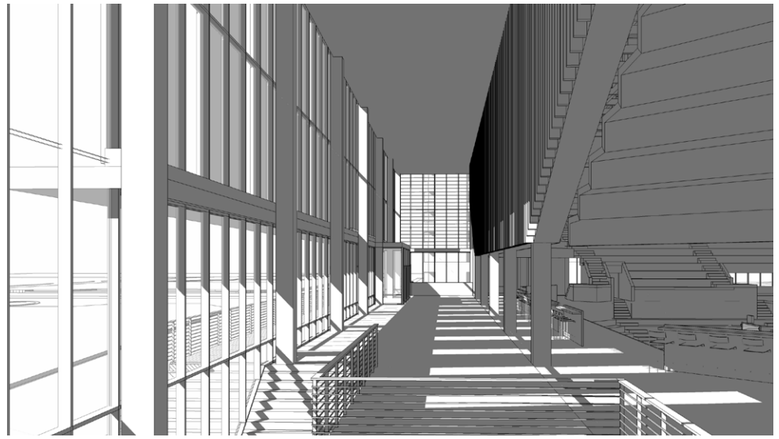

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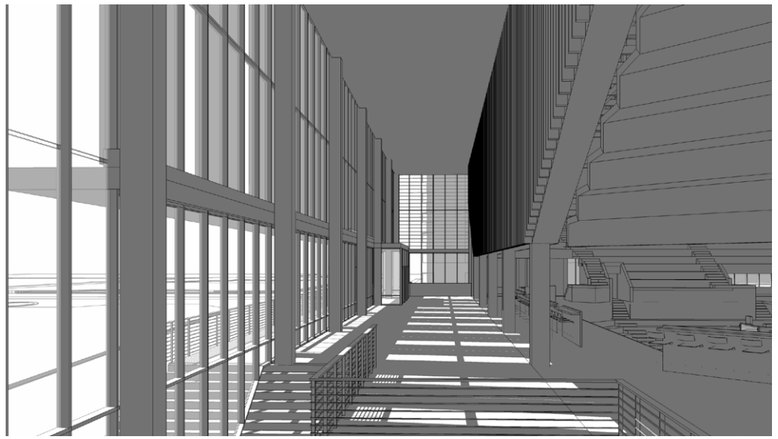

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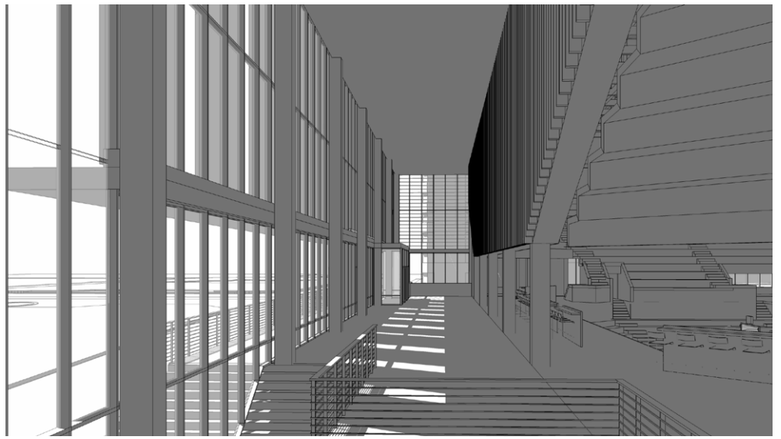

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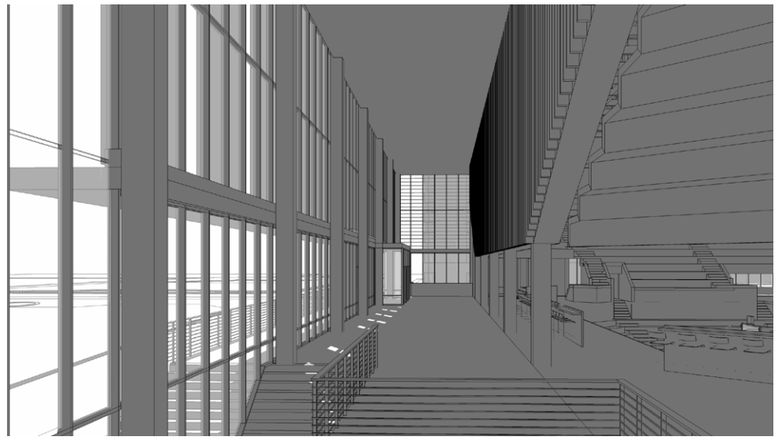

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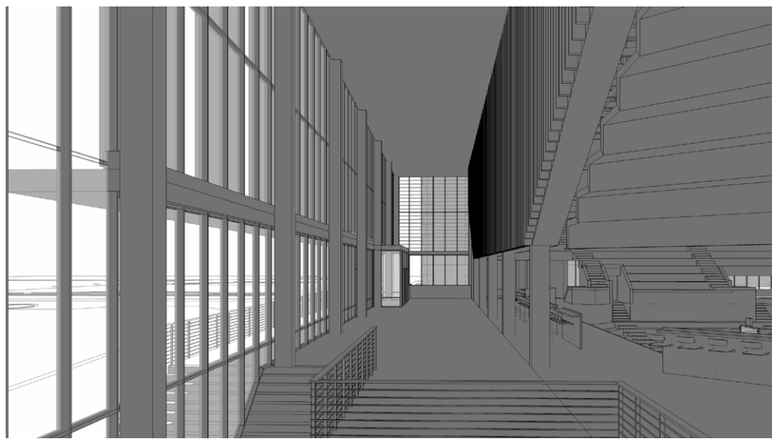

13:00

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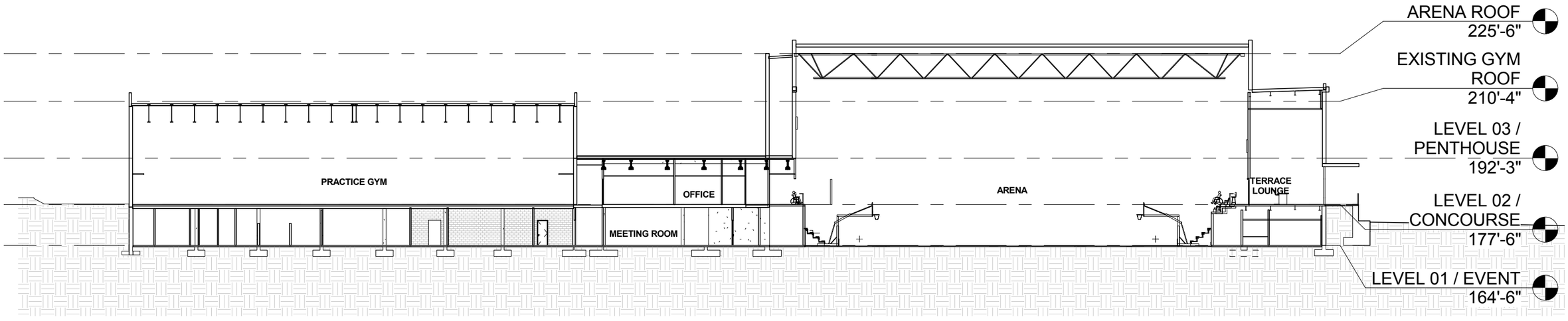
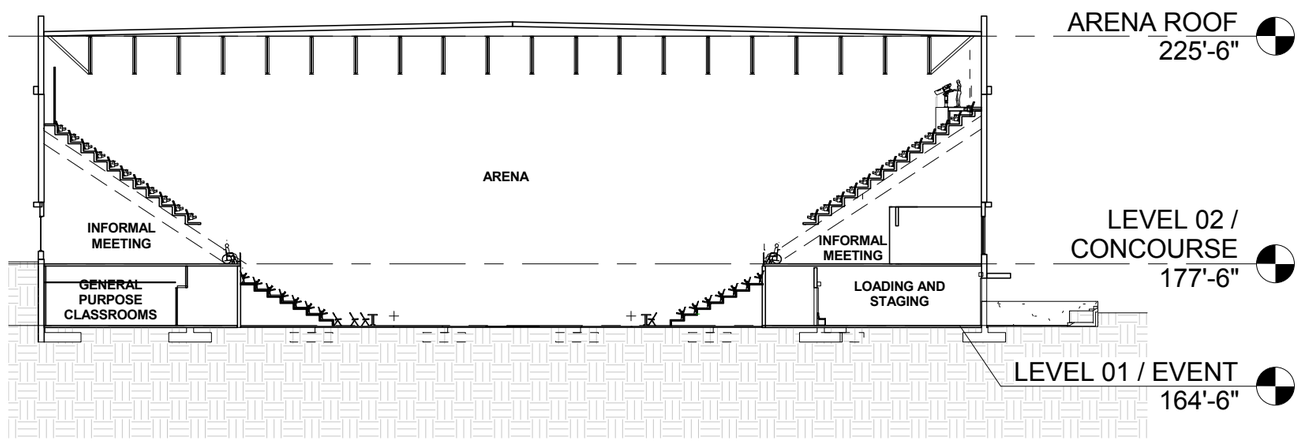
building sections



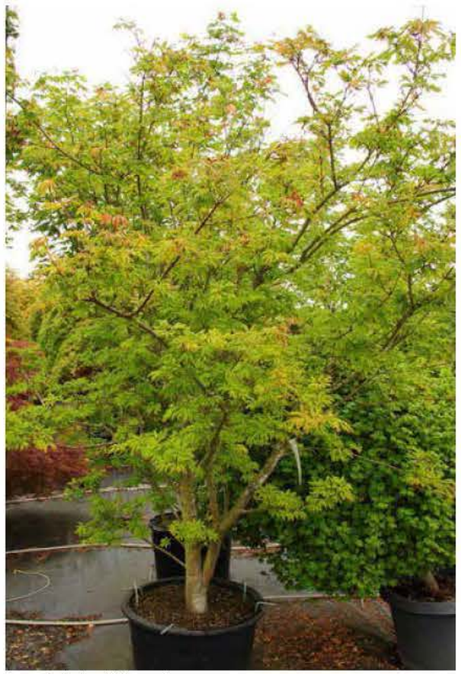
longitudinal section



transverse section @ arena

plant palette

Carpinus betulus 'Frans Fontaine'
Frans Fontaine Hornbeam



Acer circinatum 'Monroe'
Monroe Vine Maple

Rhamnus purshiana
Cascara

Cornus alba 'Bailhalo'
Ivory Halo Dogwood

Carex densa
Dense Sedge

Juncus patens 'Elk Blue'
Elk Blue Sedge

Helleborus orientalis
Lenten Rose

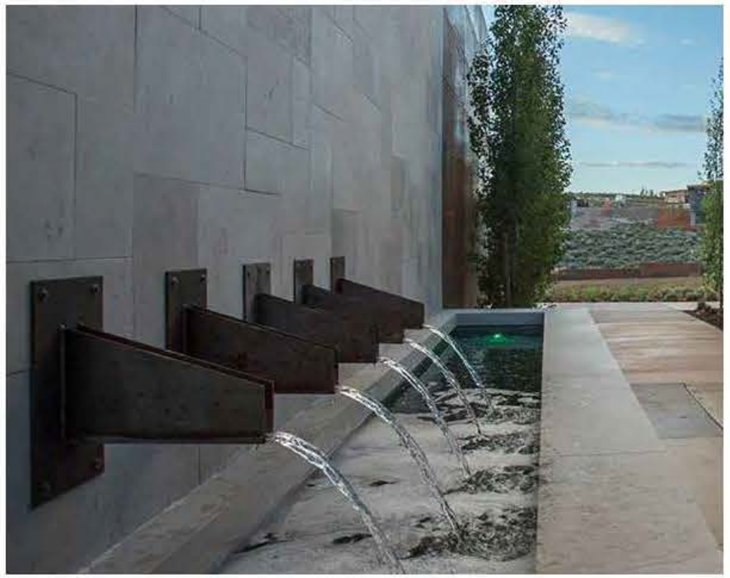
Polystichum polyblepharum
Tassel Fern

For the project's planting strategy, we are maximizing the bike parking on SW Hall Street by creating "rooms" that are separated by an E-shaped stormwater planter that treat the roof runoff. Where this roof water comes out of scuppers, we are proposing low evergreen stormwater grasses. In the planted bars between the bike parking areas we are proposing a row of Variegated Red Twig Dogwood (dwarf variety), ringed by stormwater grasses to provide seasonal color and stormwater treatment. Each row contains a Cascara tree as well, which is a native species. The stormwater planters require mostly herbaceous grass type plant material with some shrubs (which are optional), meeting all BES requirements.

The planters at the north entry are similar to the stormwater planters in that they have a native northwest feel to them, but a different plant mix since they won't be inundated with stormwater. Plants have been chosen for hardiness, ease of maintenance and are all plants that can handle the shade. They are a mix of low growing shrubs and ferns, with Hellebore perennials mixed in for seasonal color, and Daphne for seasonal color and fragrance. The tree is a variation of the native species Vine Maple, with a dissected leaf so is a little more ornamental looking.

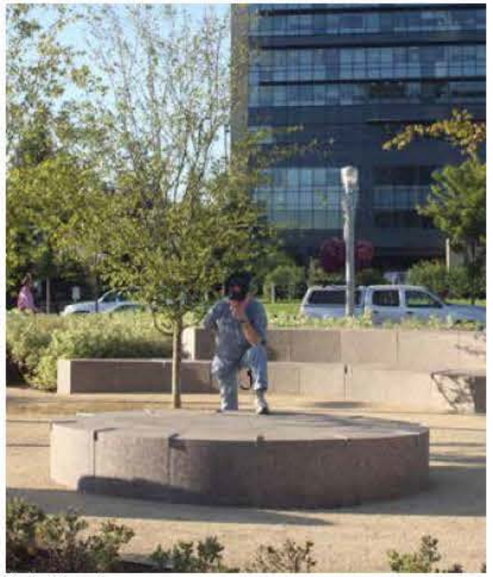
On the south side tree wells, since the tree wells are isolated within existing paving, with no access to permanent irrigation, we have chosen a hardy tree that doesn't require watering after establishment, Columnar Hornbeam, with a groundcover of Mahonia Repens, also drought tolerant. The trees will require watering bags for establishment.

site furnishings



Stormwater Scuppers

Feature Bench



Skate Deterrents

Stainless Steel Bollard

Bike Racks

view from SE

view from NE

south park blocks


1

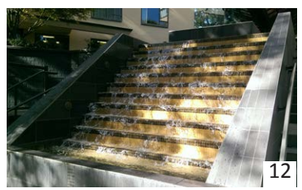

2


3


5


9


10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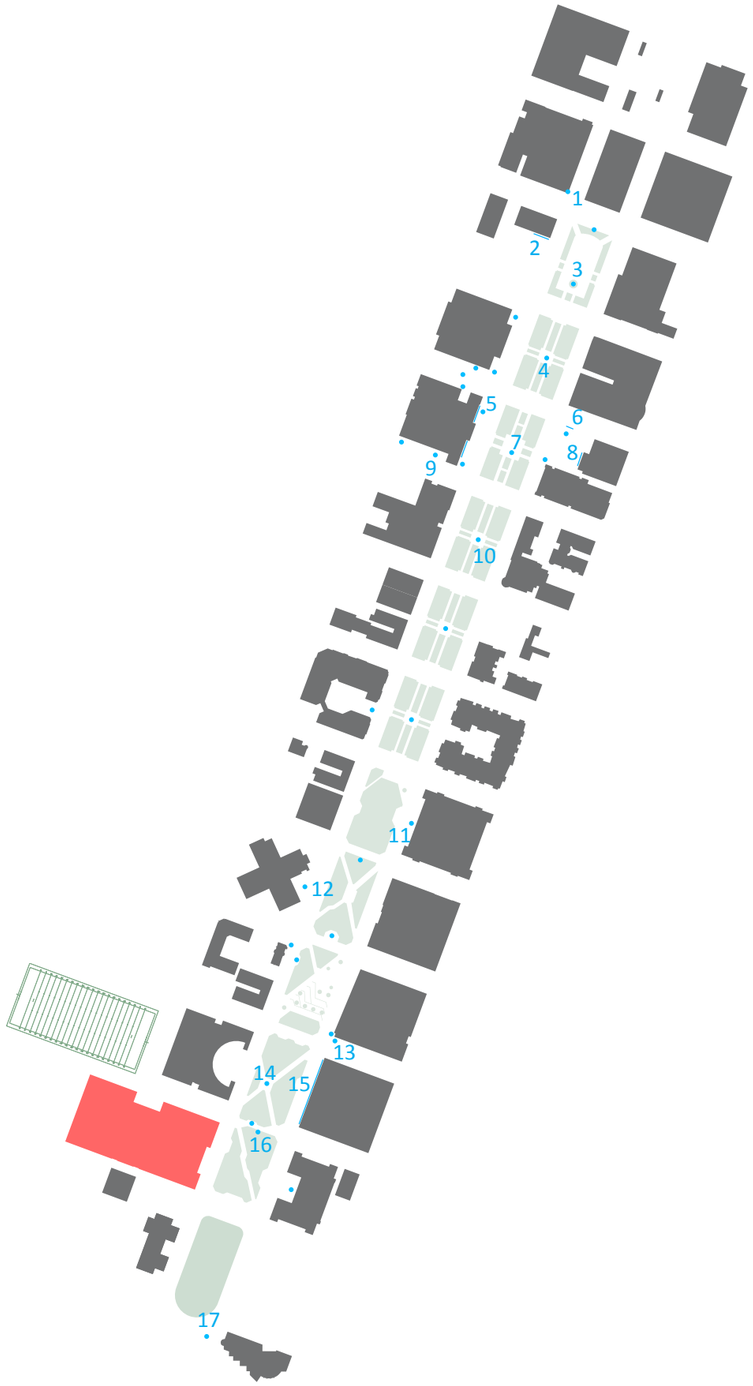

existing conditions analysis


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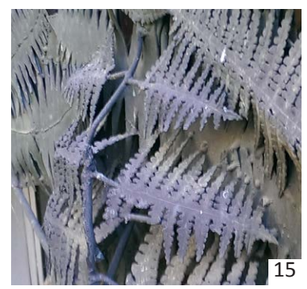
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