

# University of Oregon

Erb Memorial Union Expansion & Renovation

User Group Meeting 07

SERA Architects in association with AC Martin

March 5, 2012

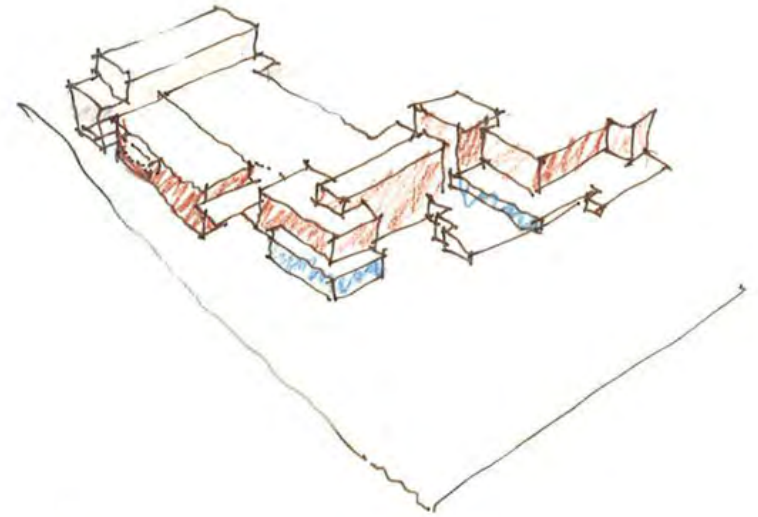
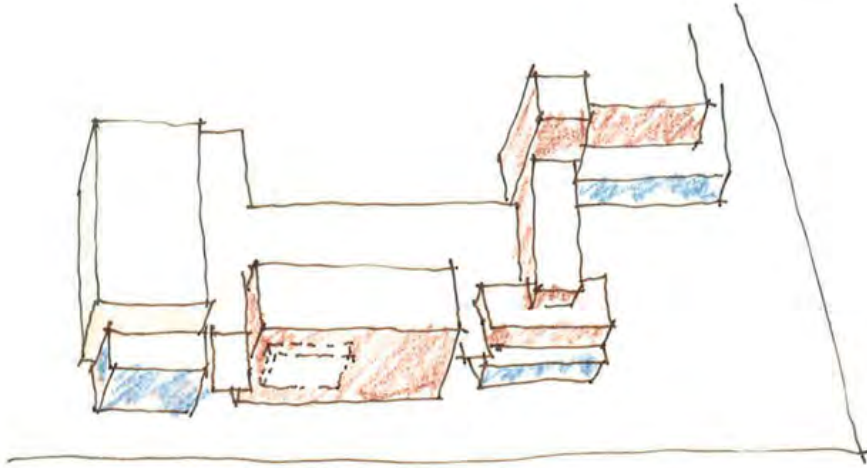
# ARCHITECTURAL AND SITE DESIGN

## PURPOSE:

Review building architectural design

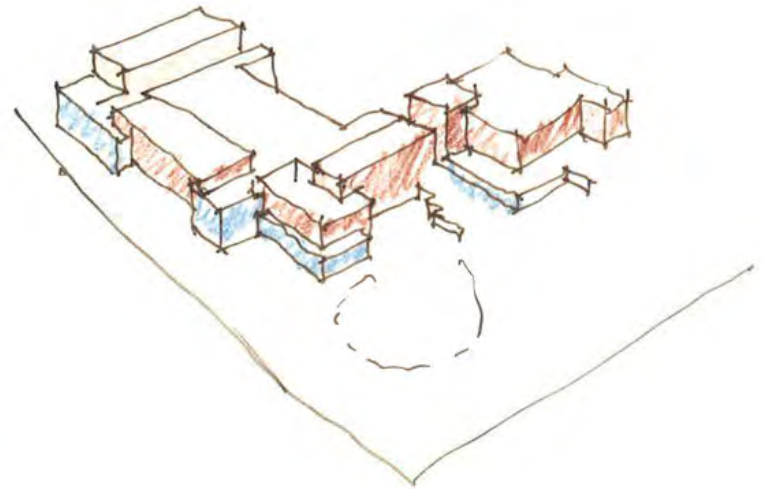
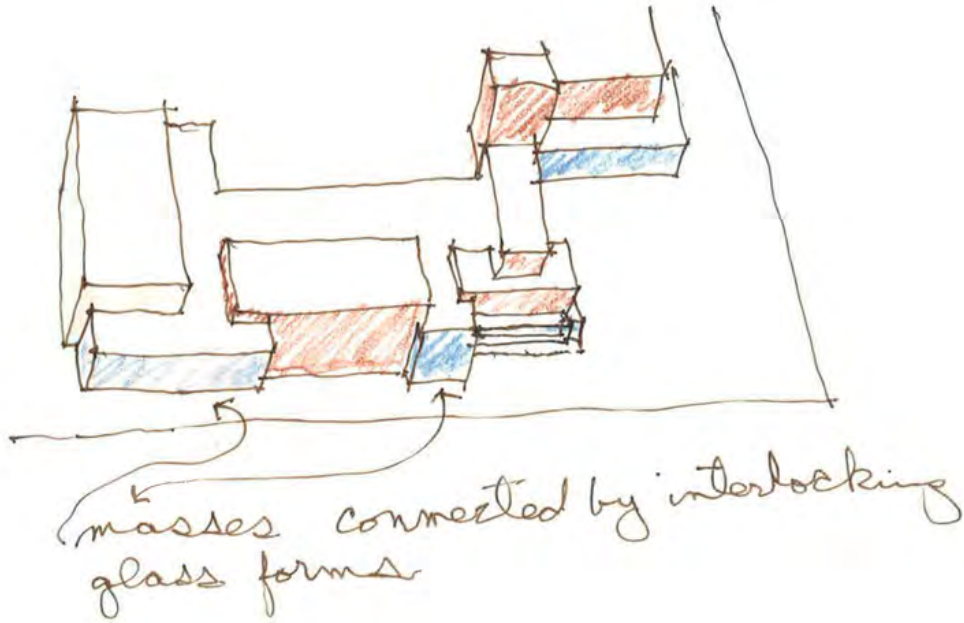
# MASSING CONCEPTS

North Bar Massing  
Option 1



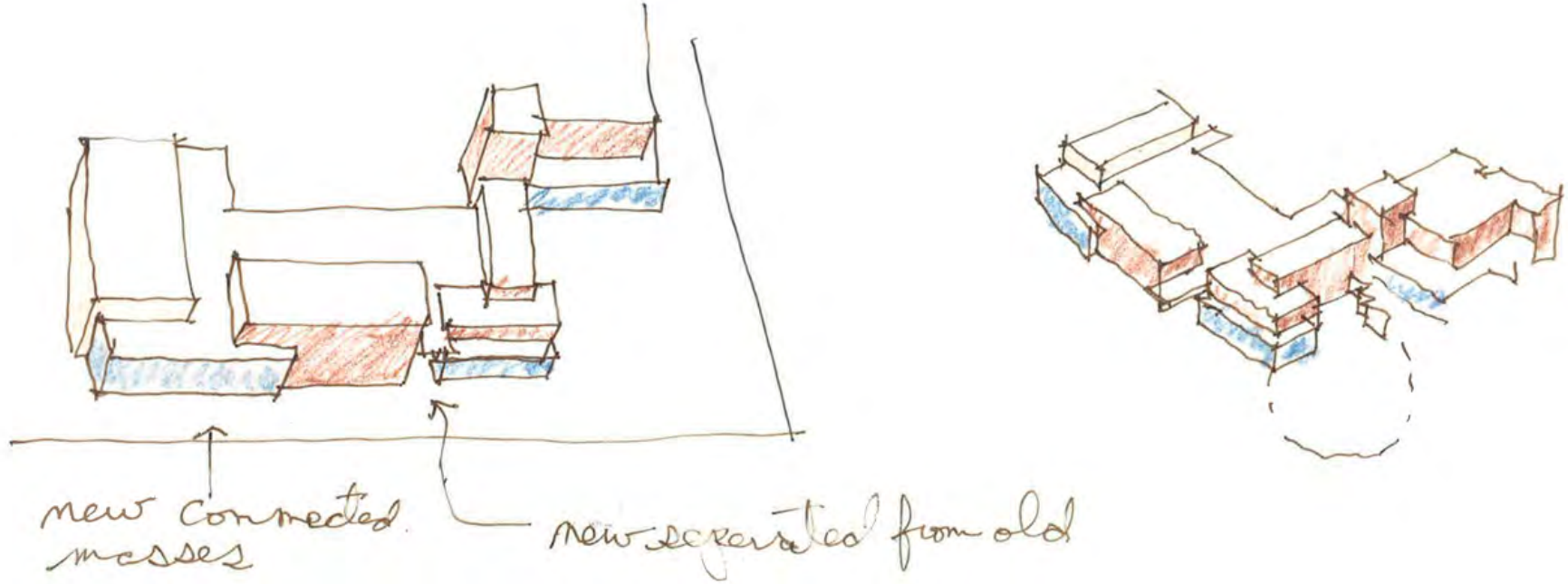
Three masses separated by canopies

North Bar Massing  
Option 2

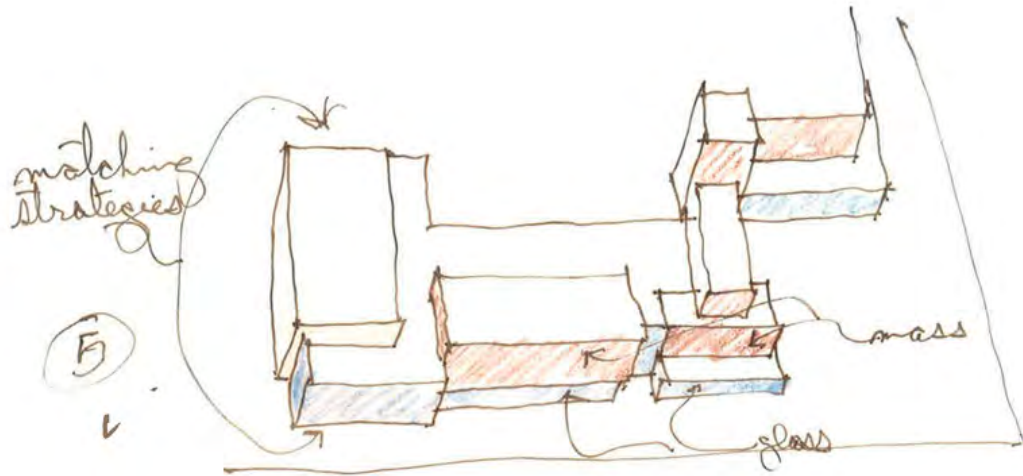


North Bar Massing  
Option 3

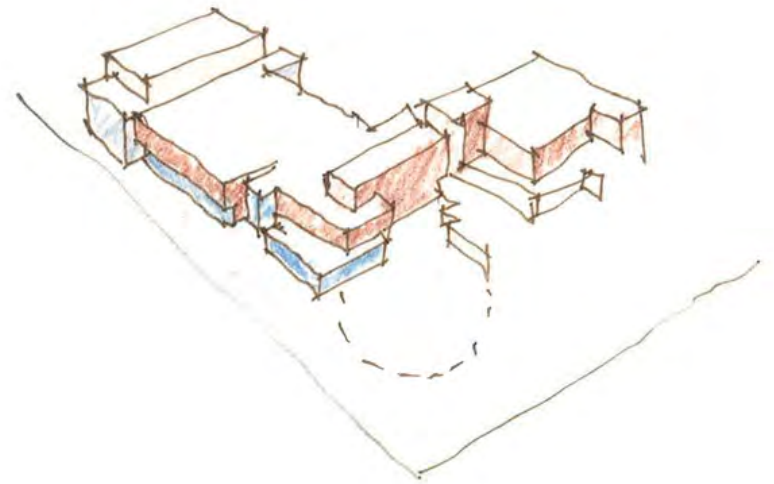
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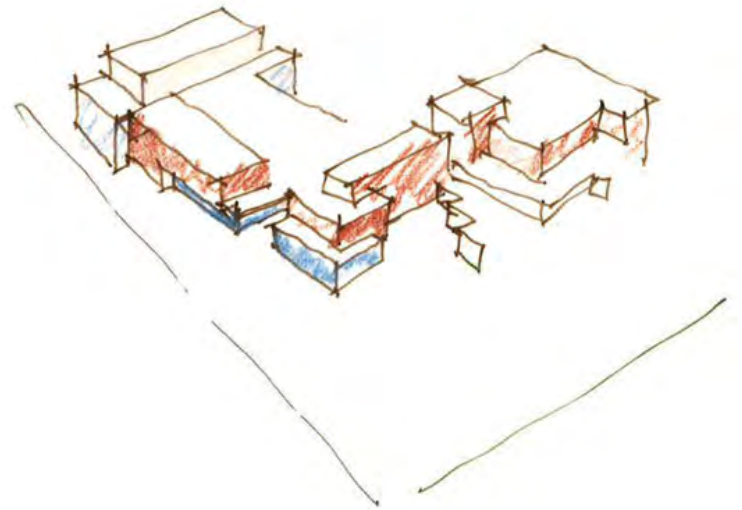
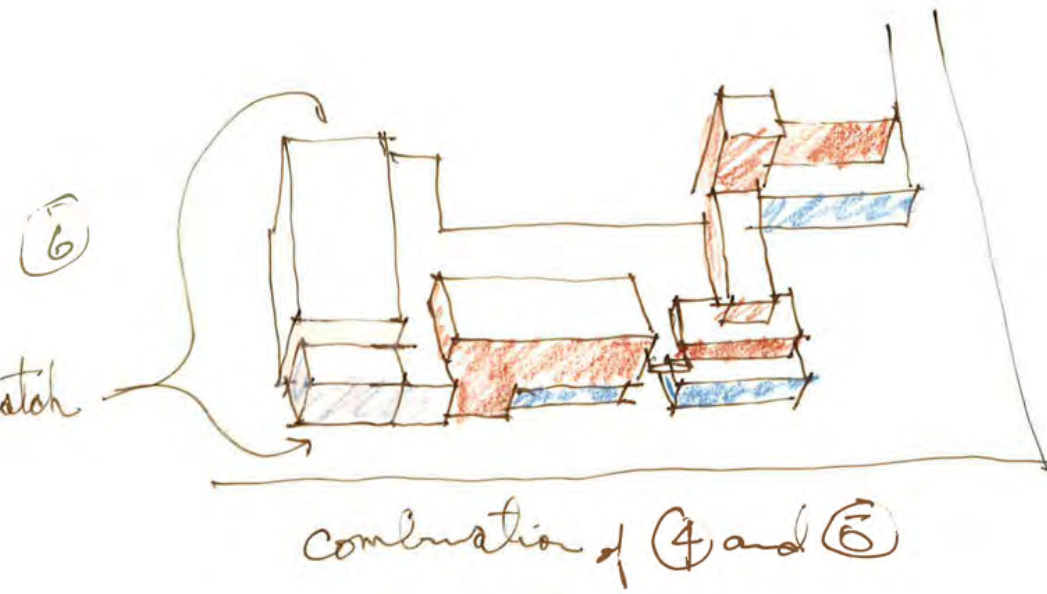
# North Bar Massing Option 5



interconnected but  
not overlapping

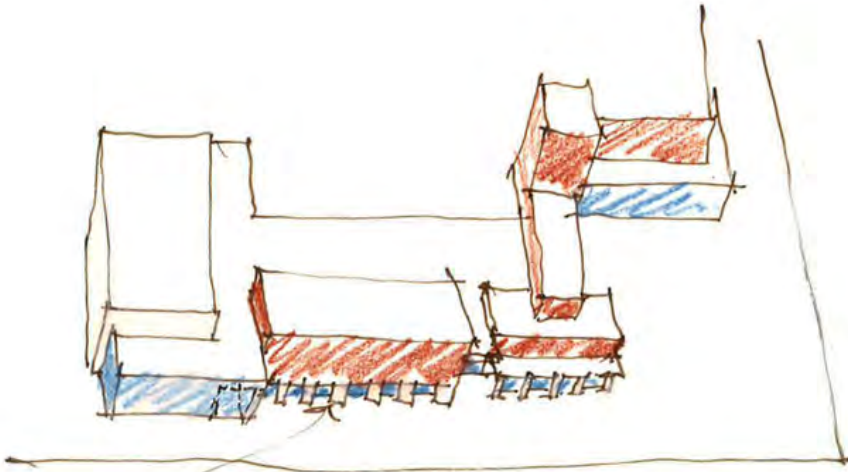


North Bar Massing  
Option 6

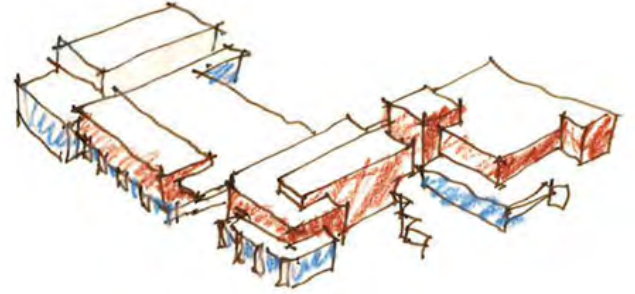




North Bar Massing  
Option 8

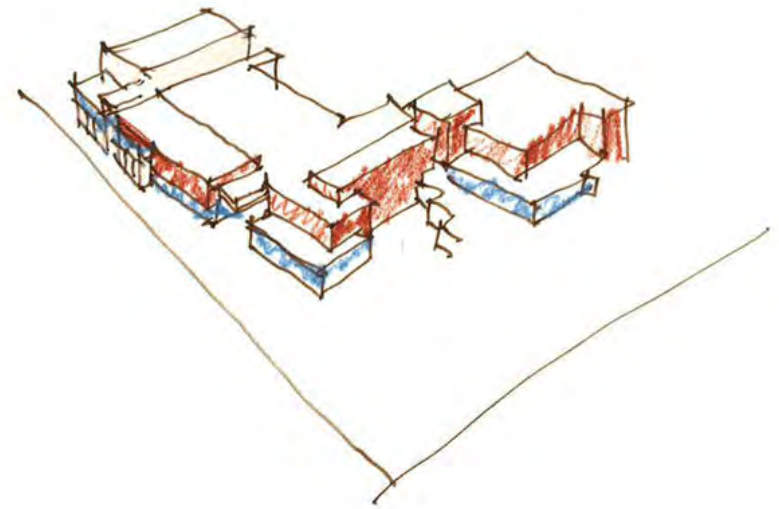
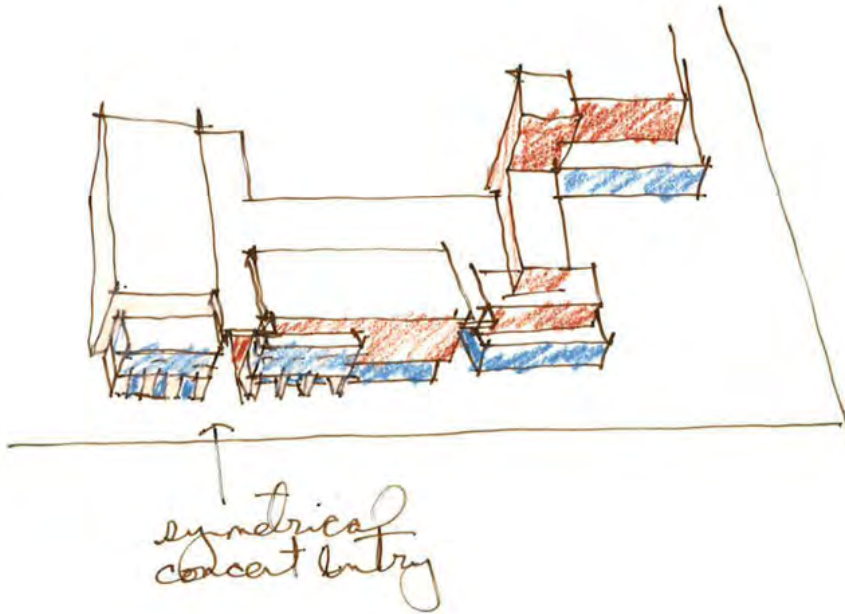


*mix of brick  
and limestone*

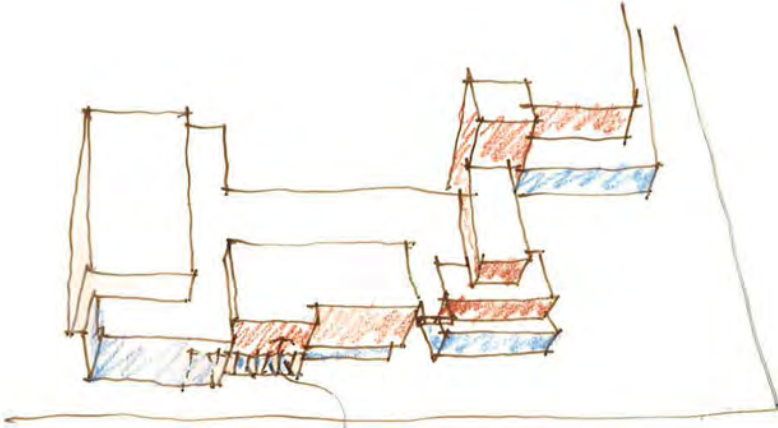


North Bar Massing  
Option 10

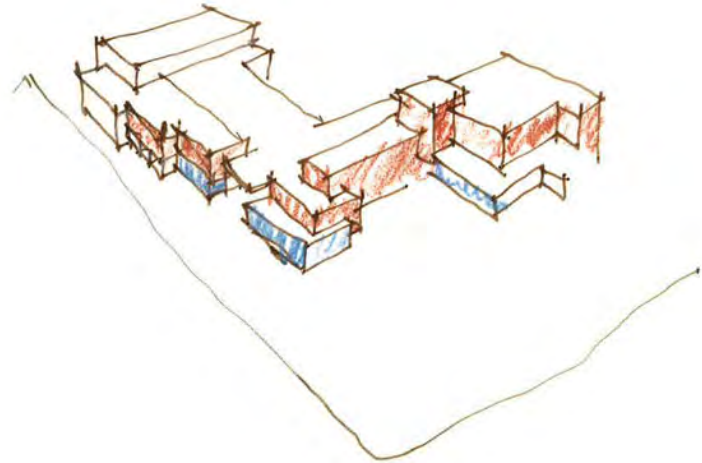
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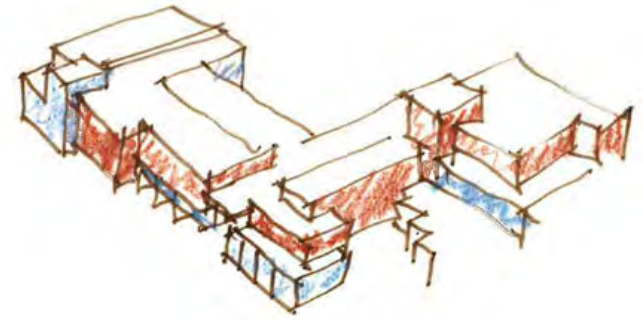
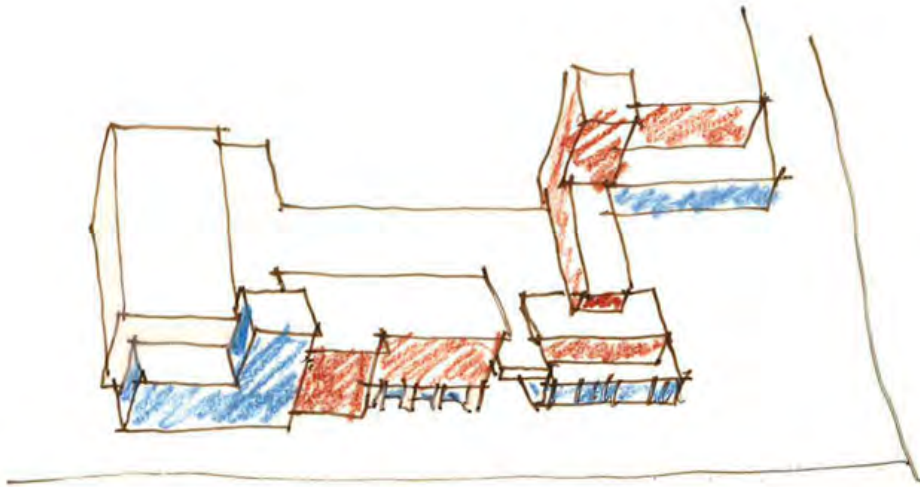
North Bar Massing  
Option 11



acknowledge the  
significance of the  
multipurpose room



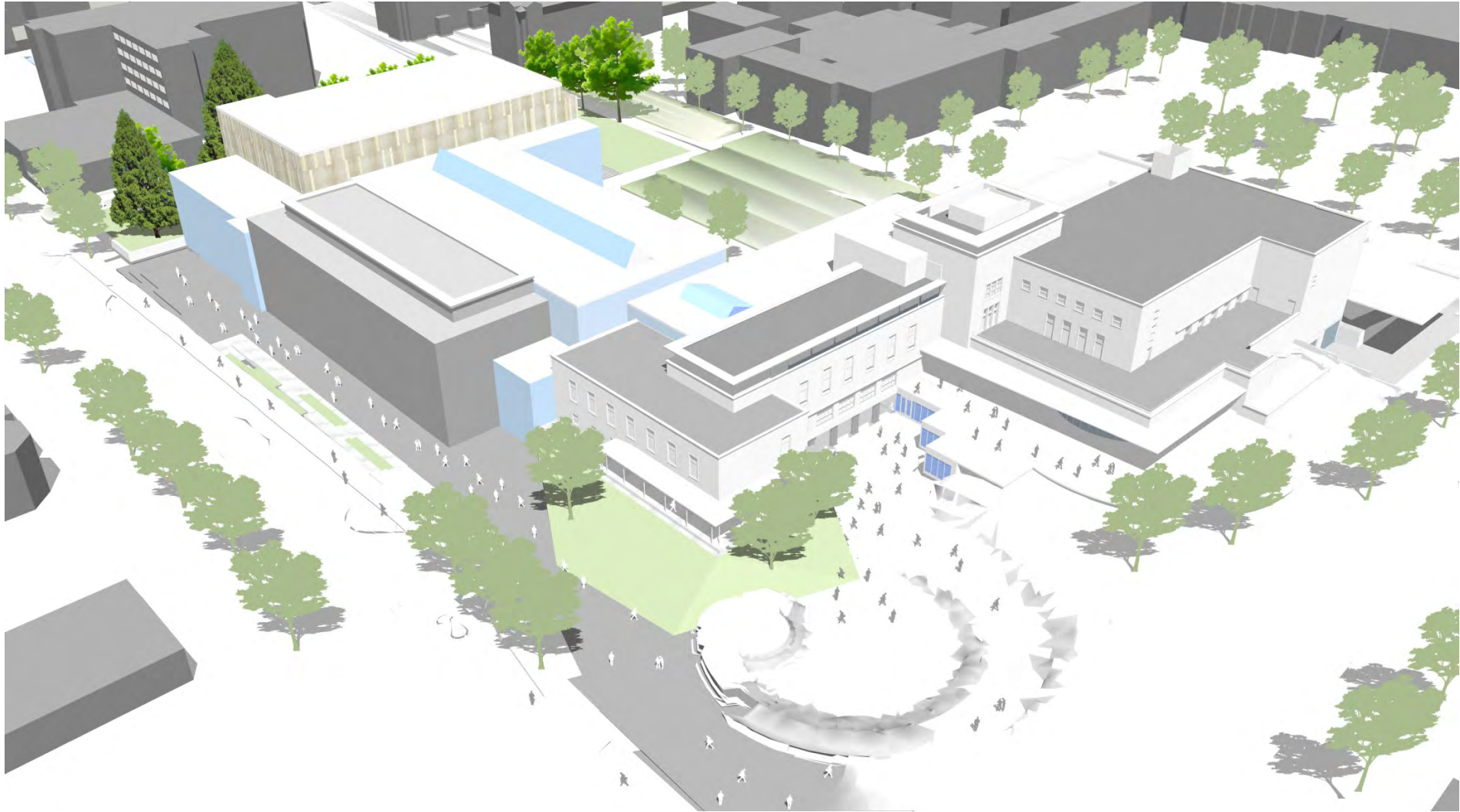
North Bar Massing  
Option 15

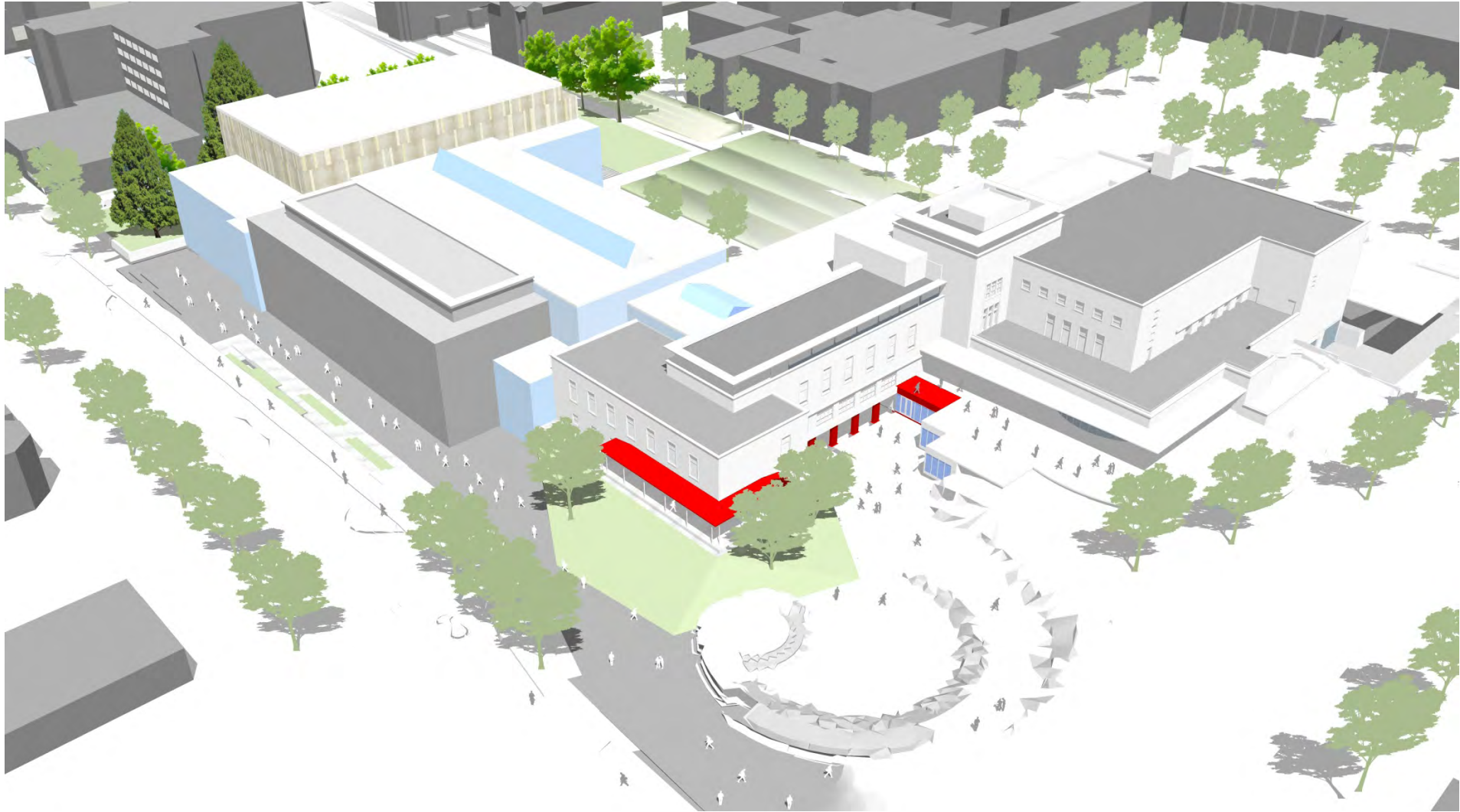


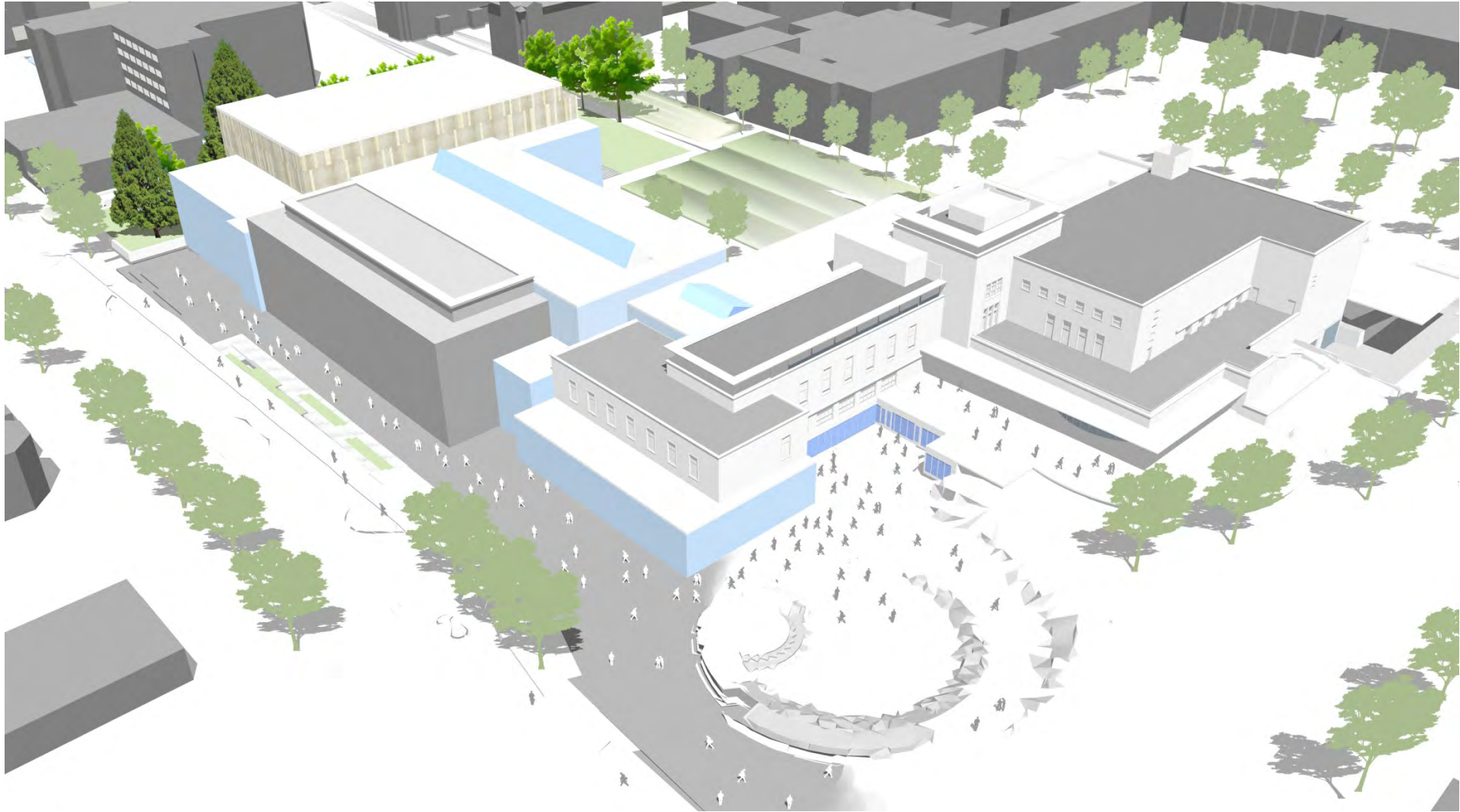
*tower on street  
tower is entry*



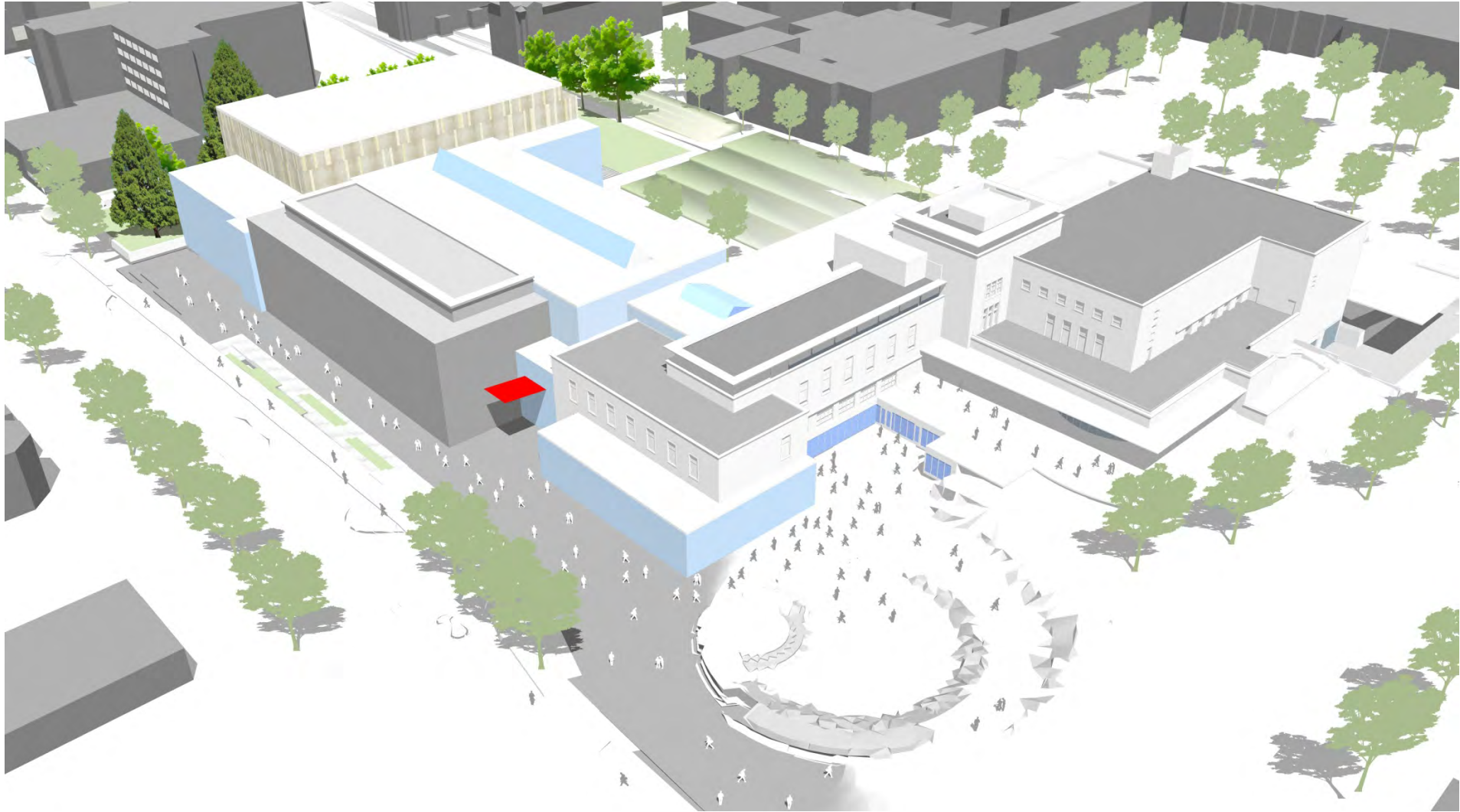
# MASSING EXPLORATION



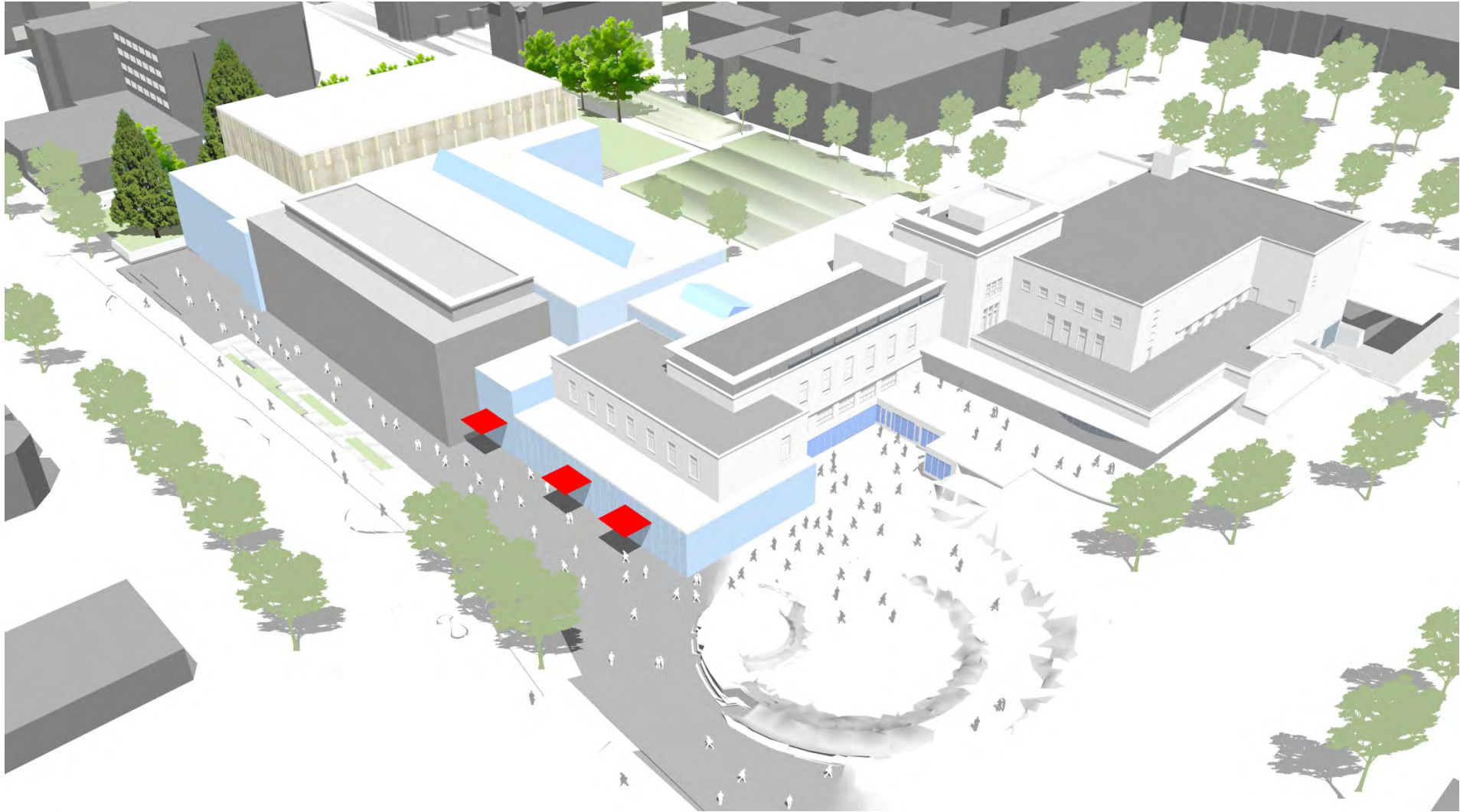




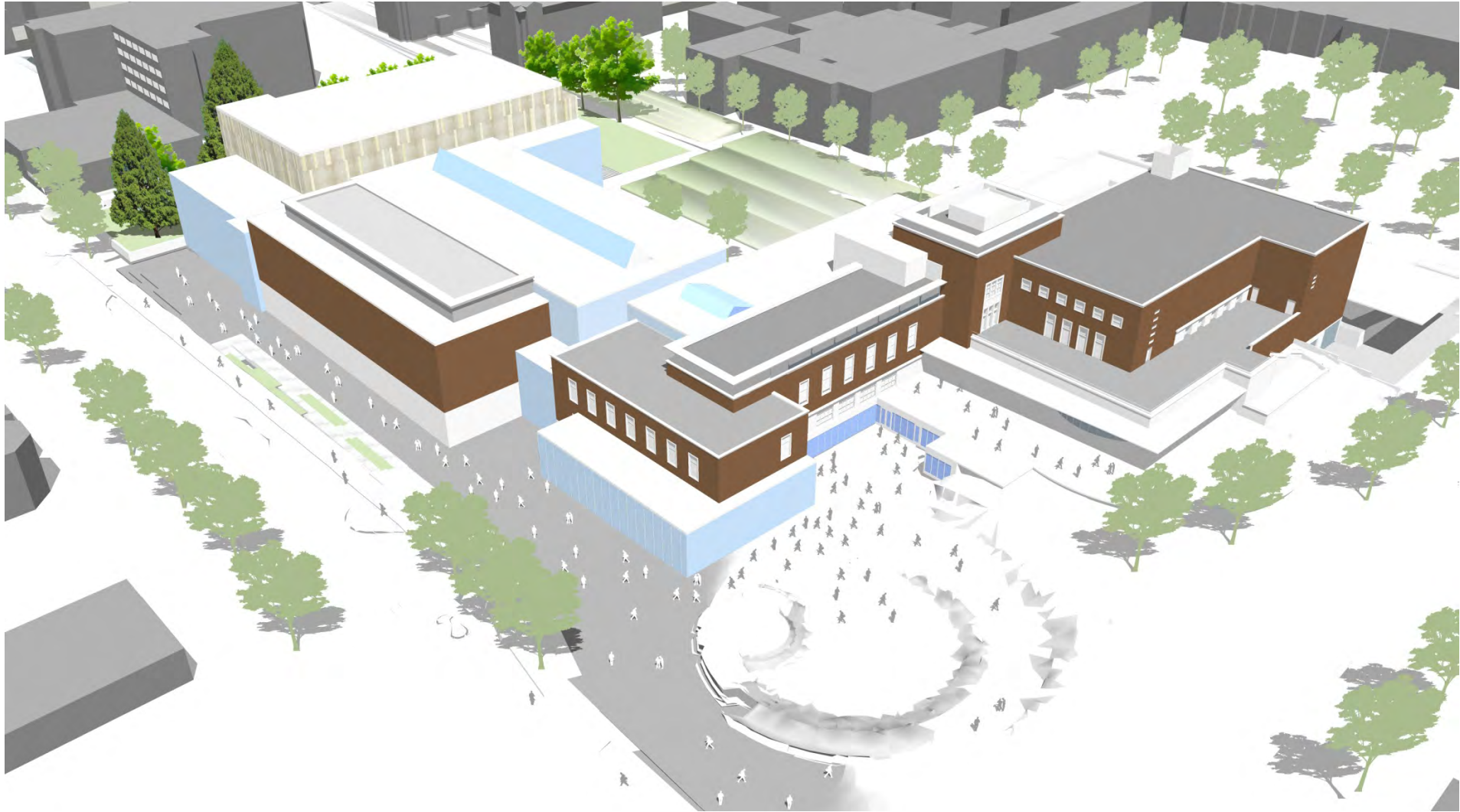


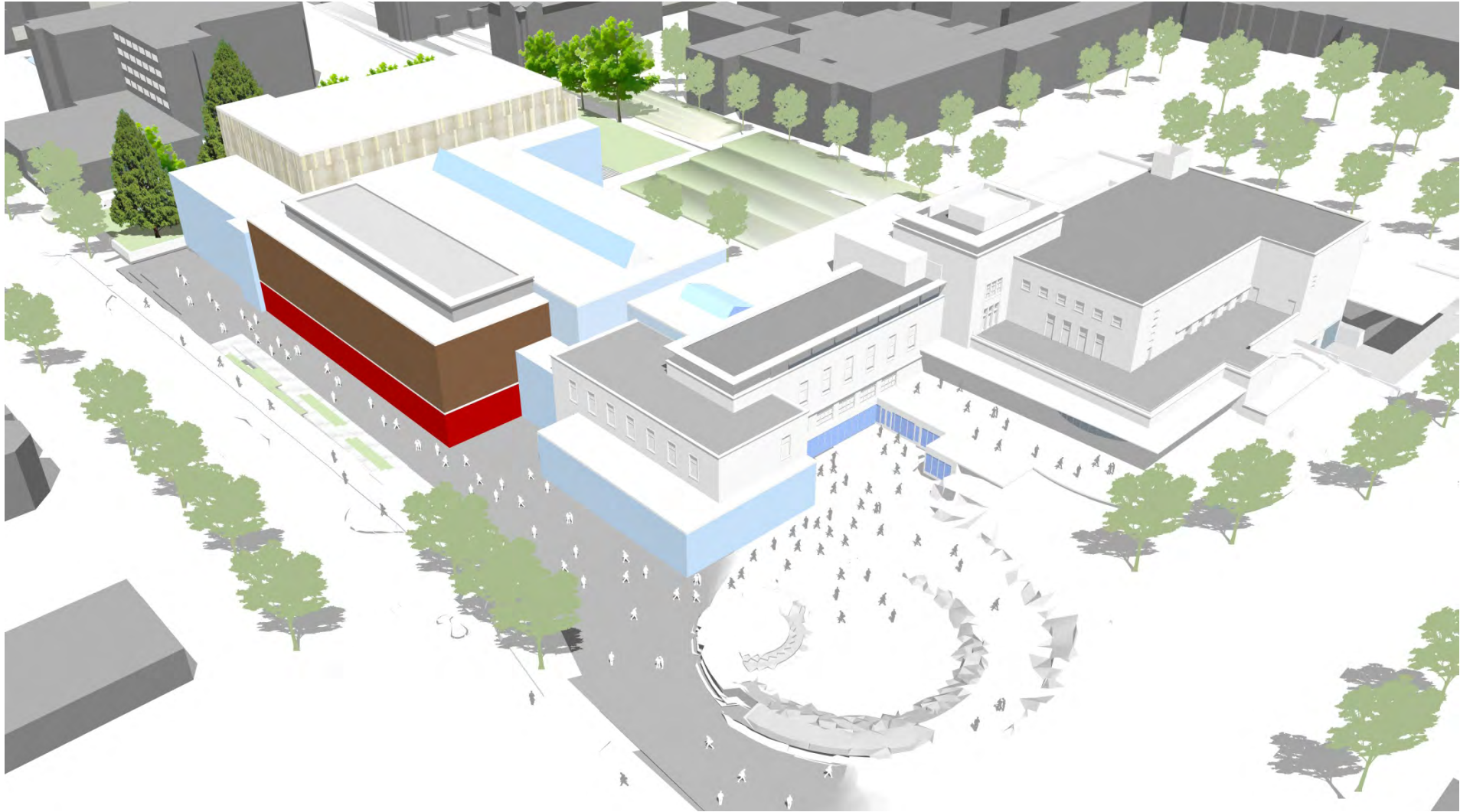


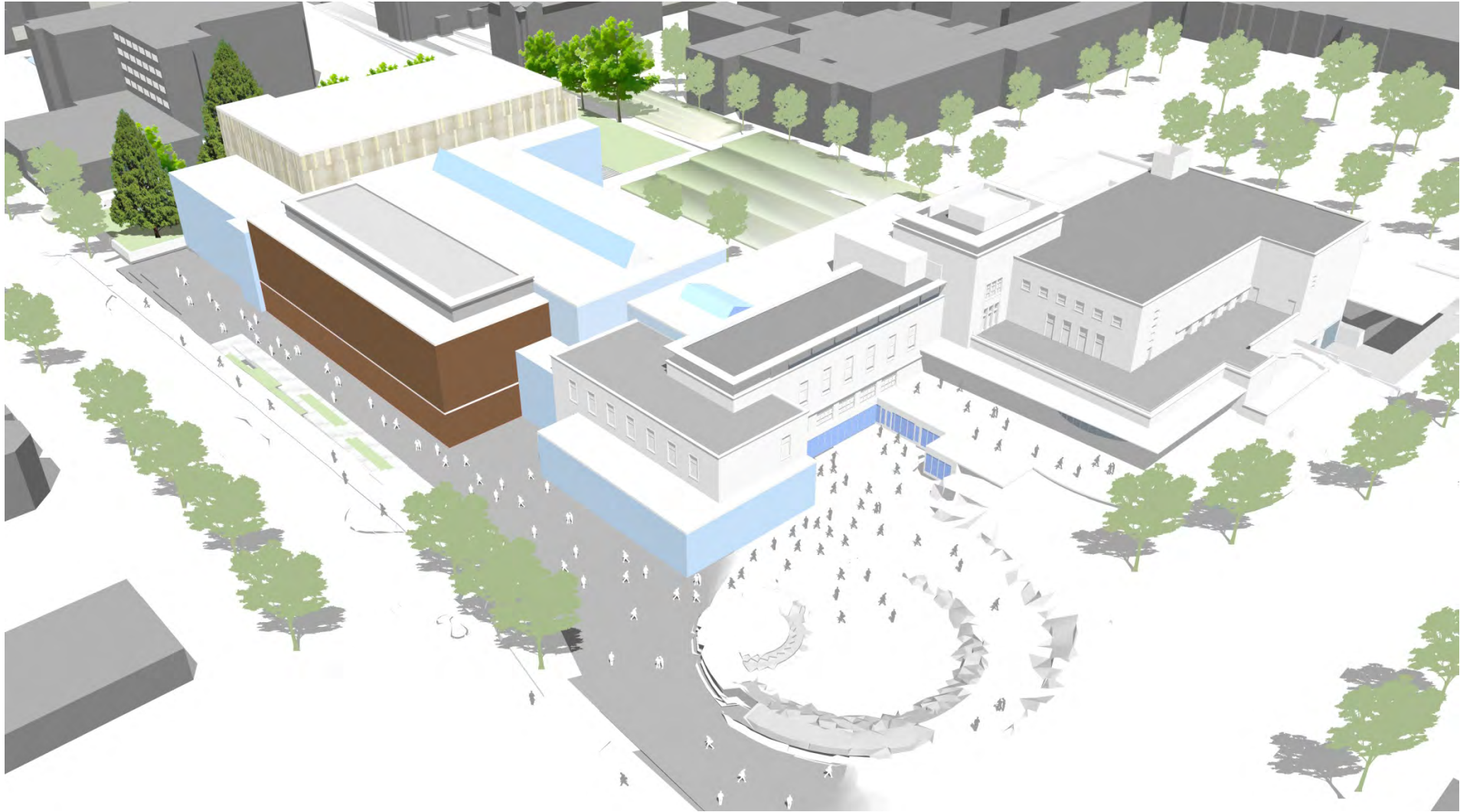


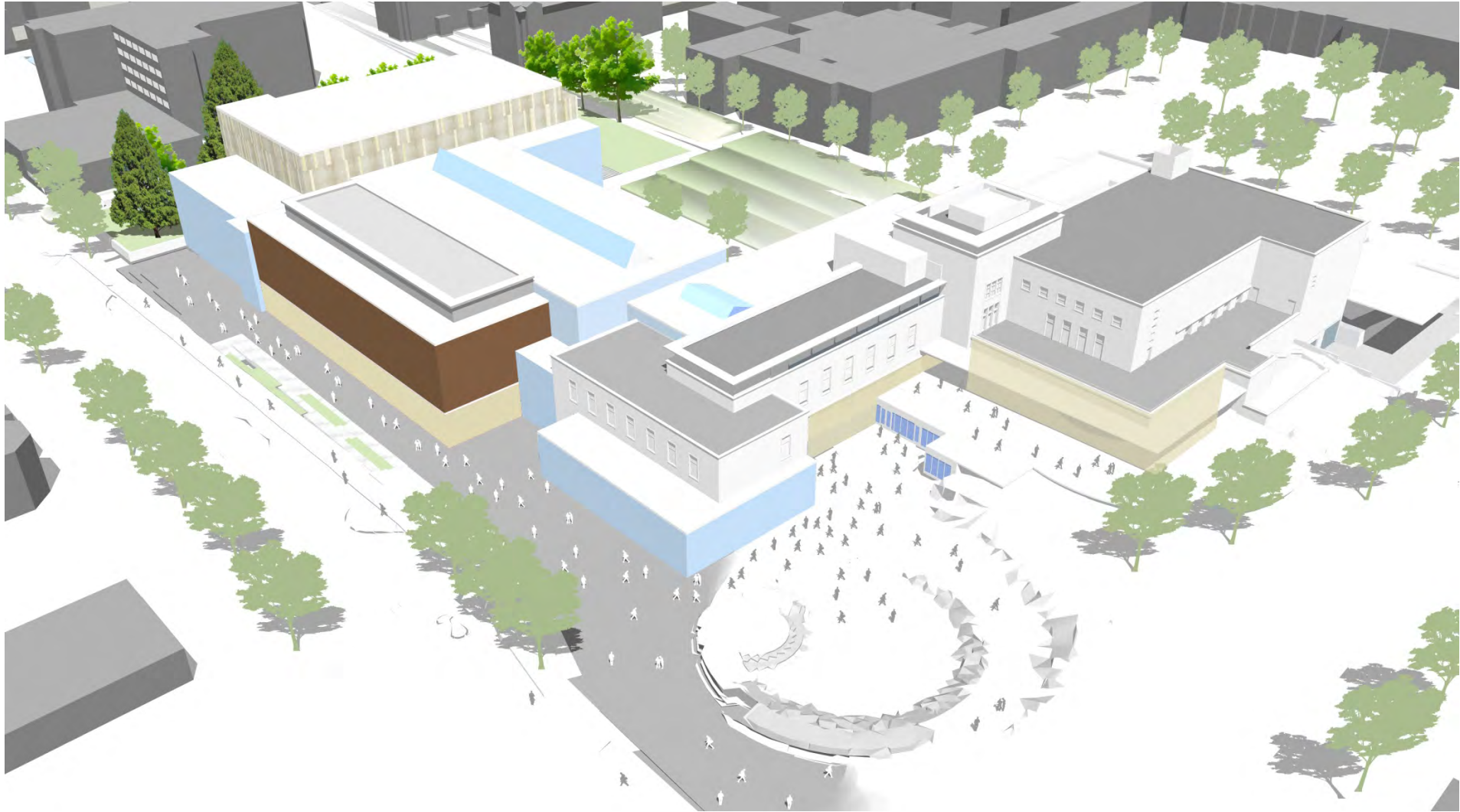




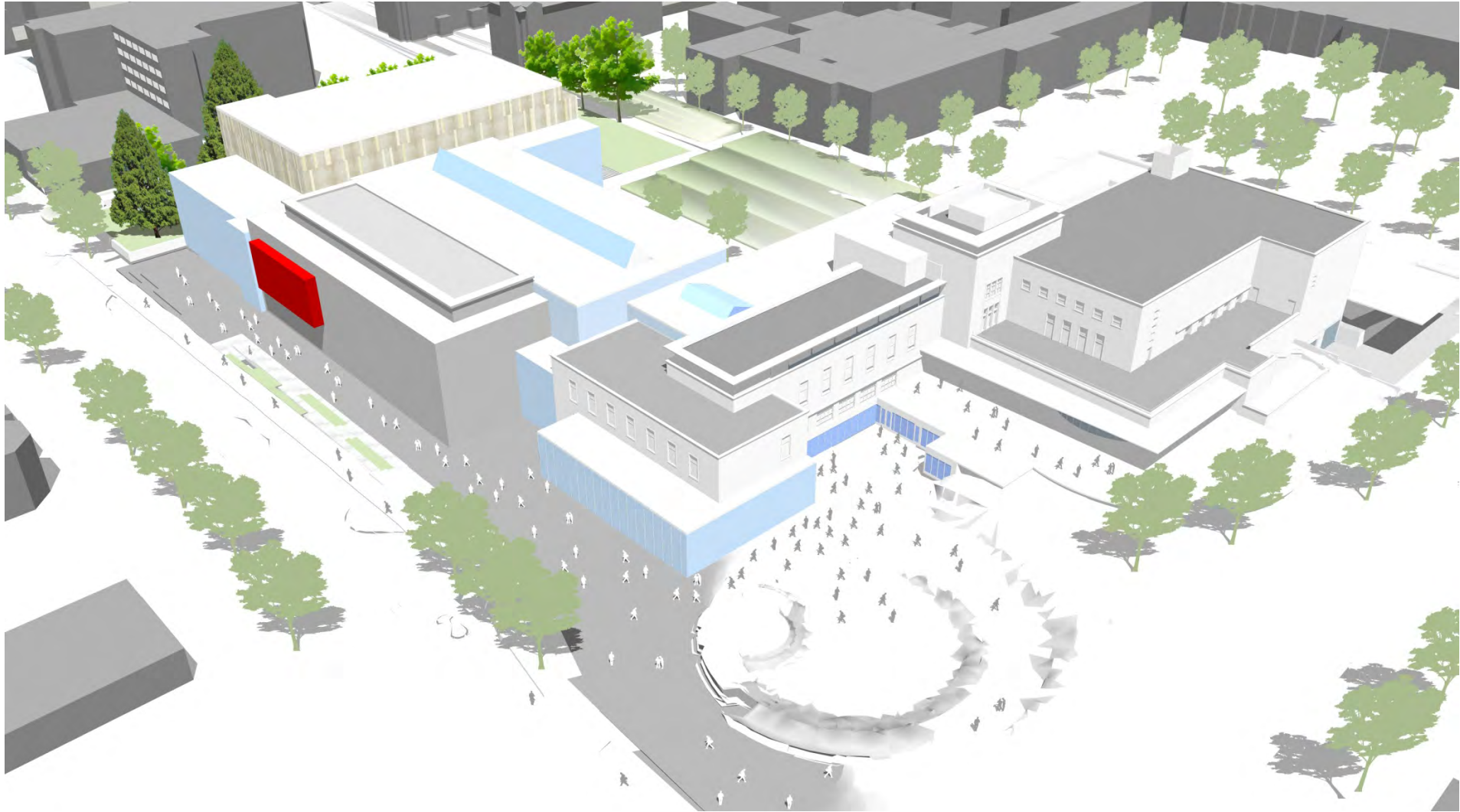


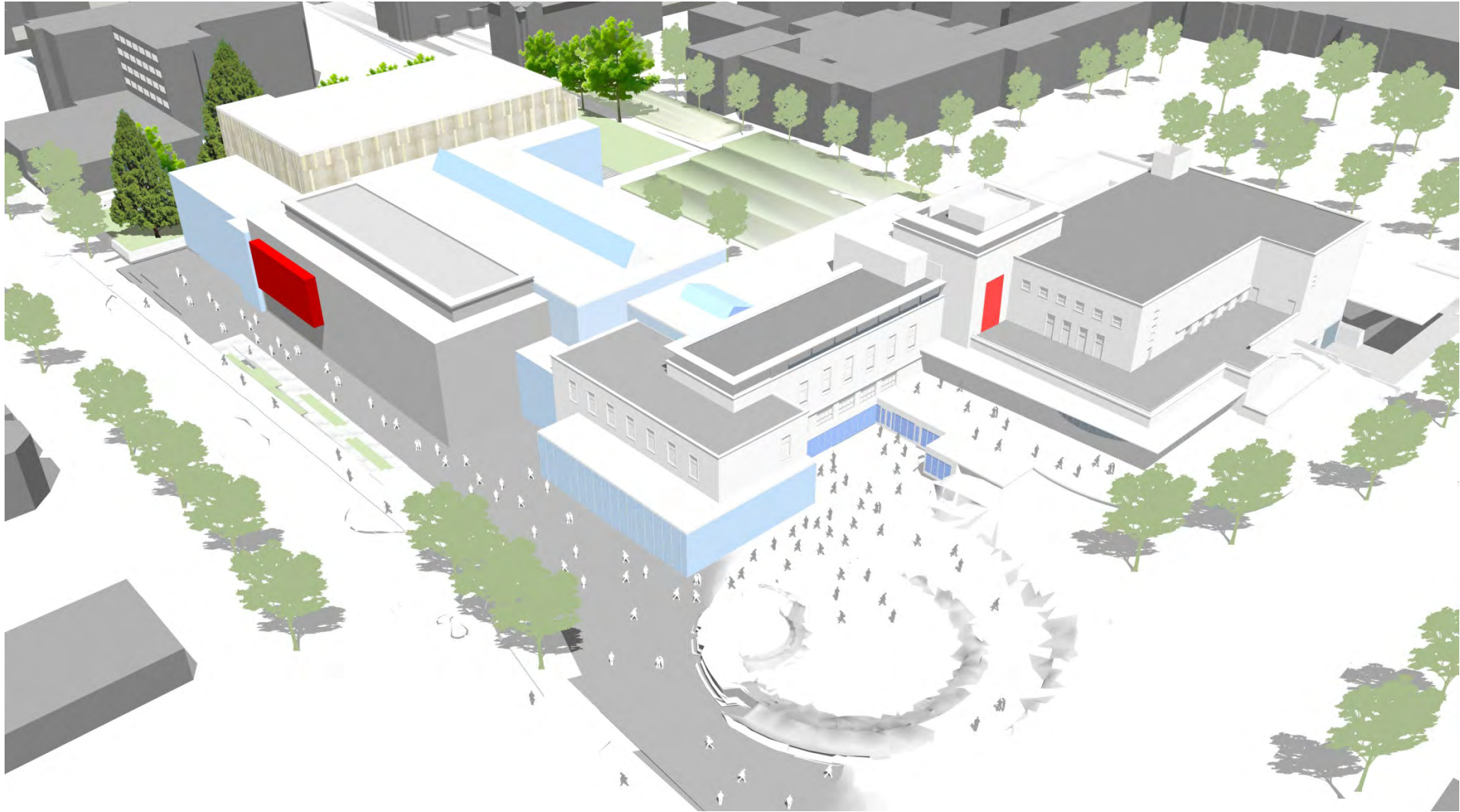


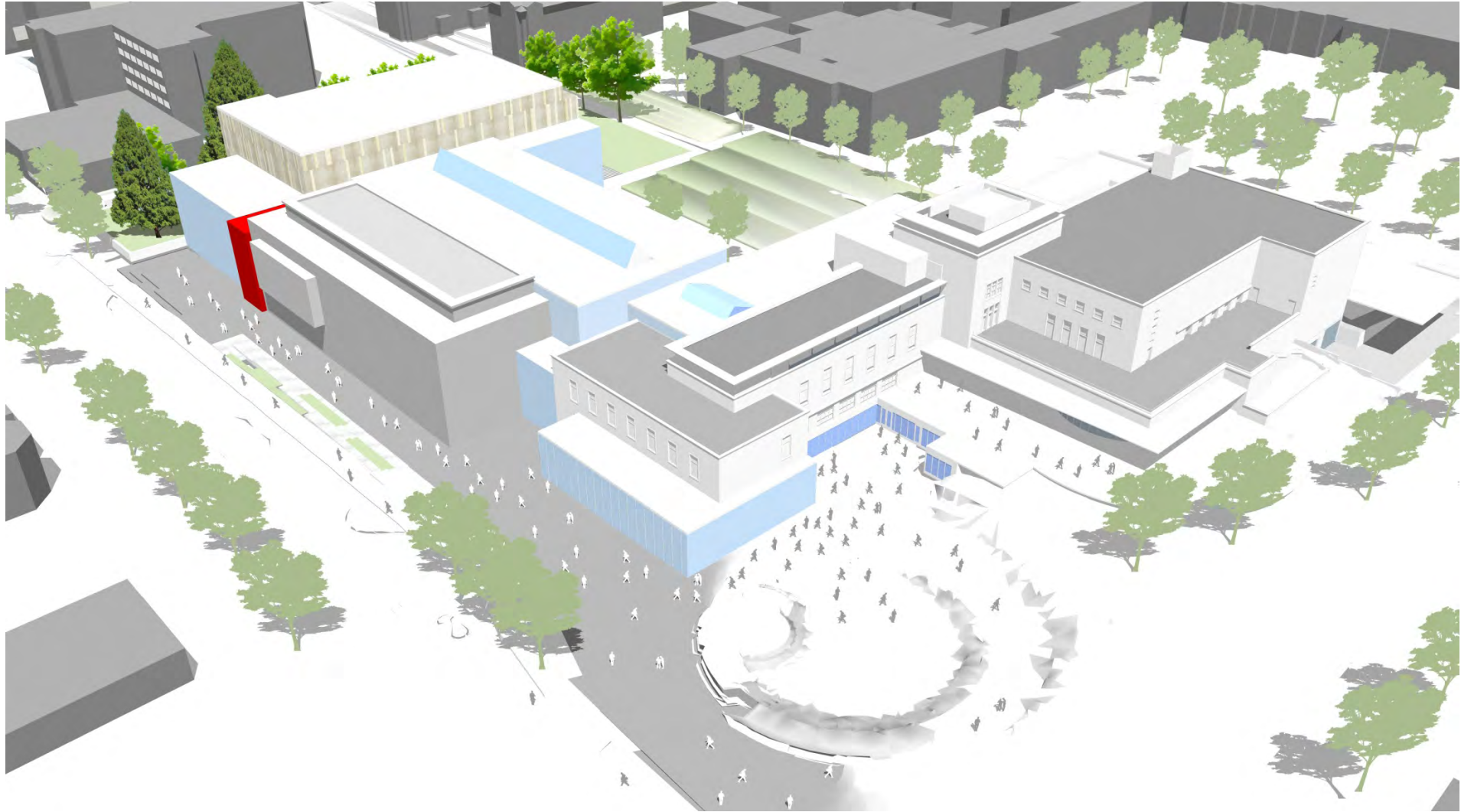


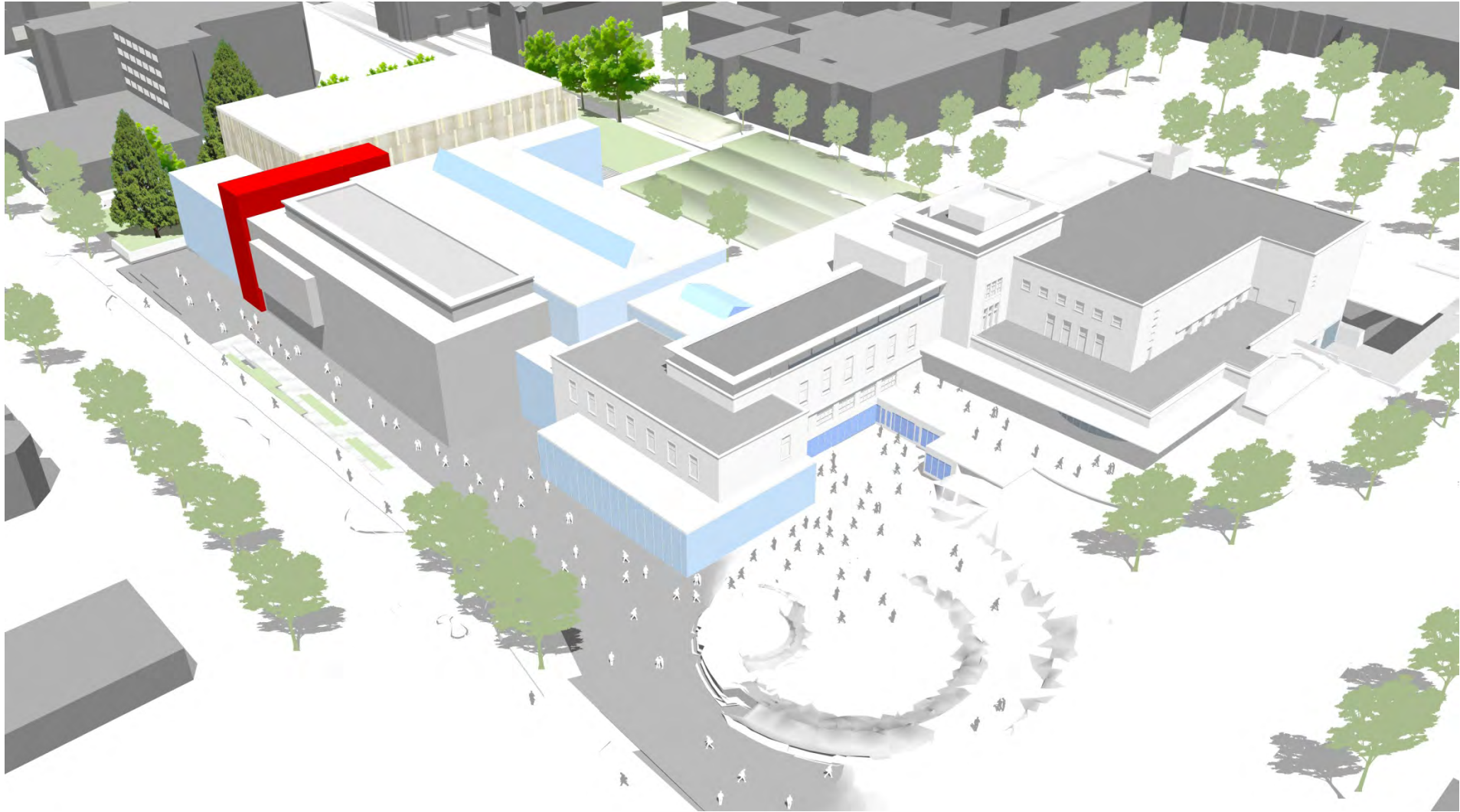


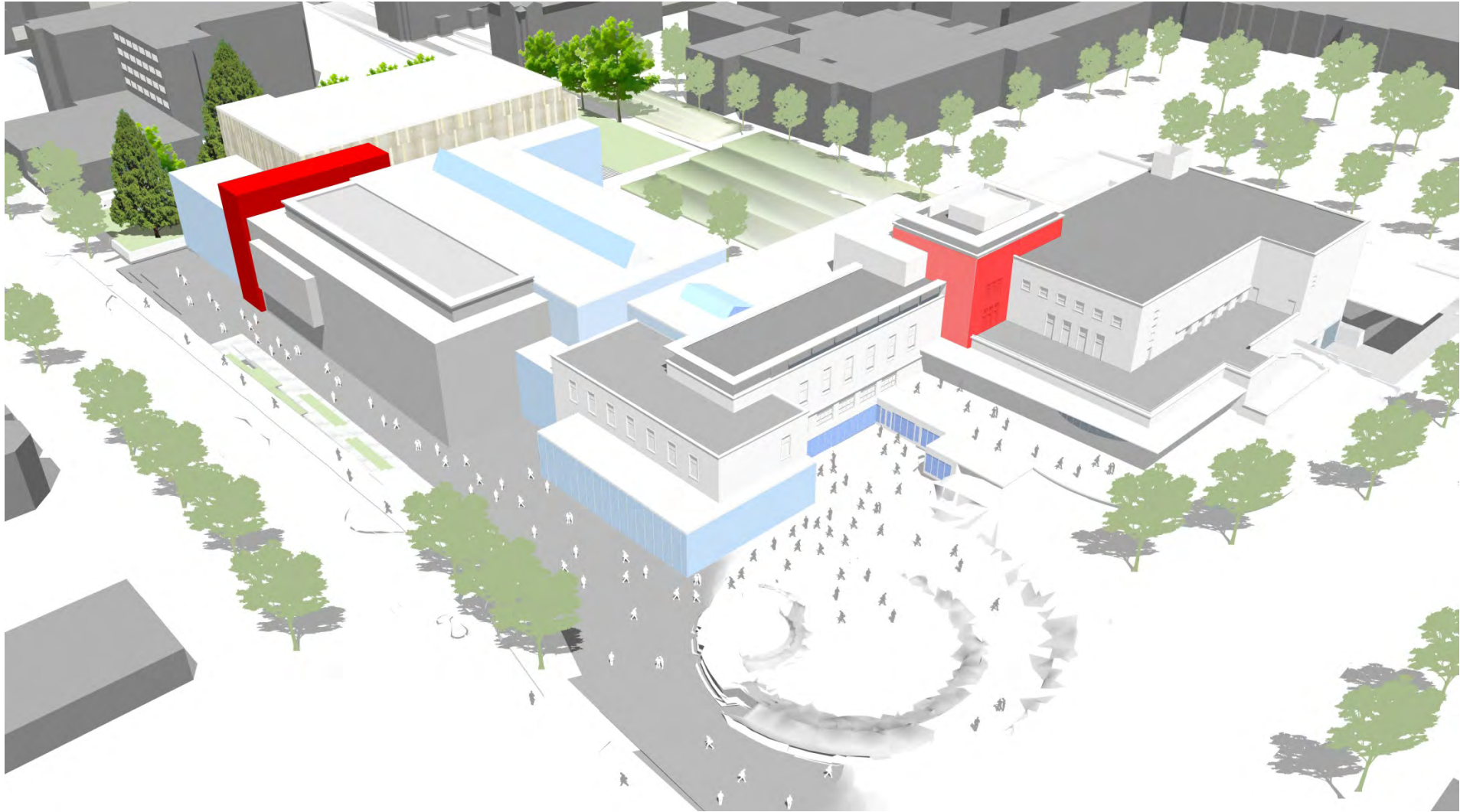


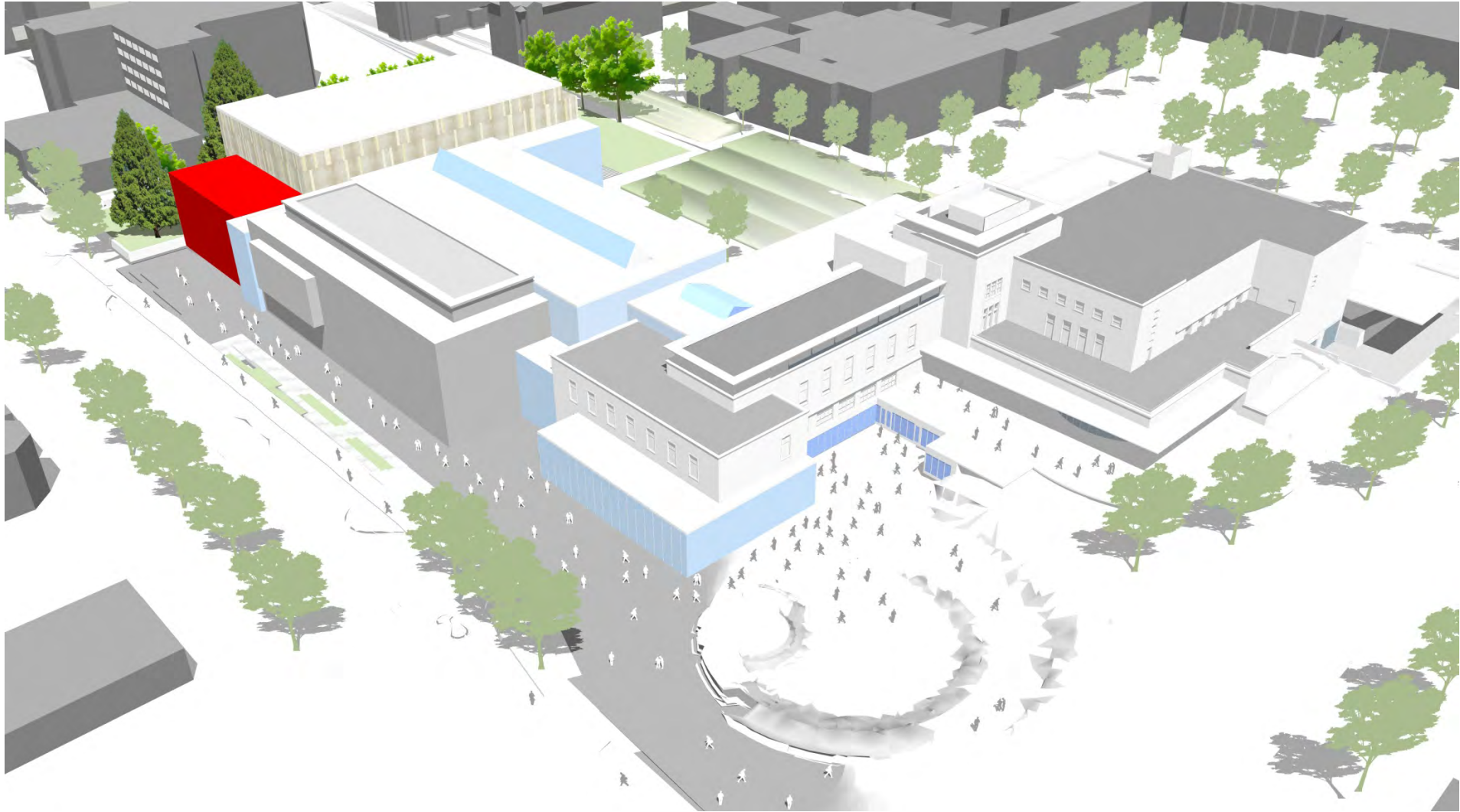


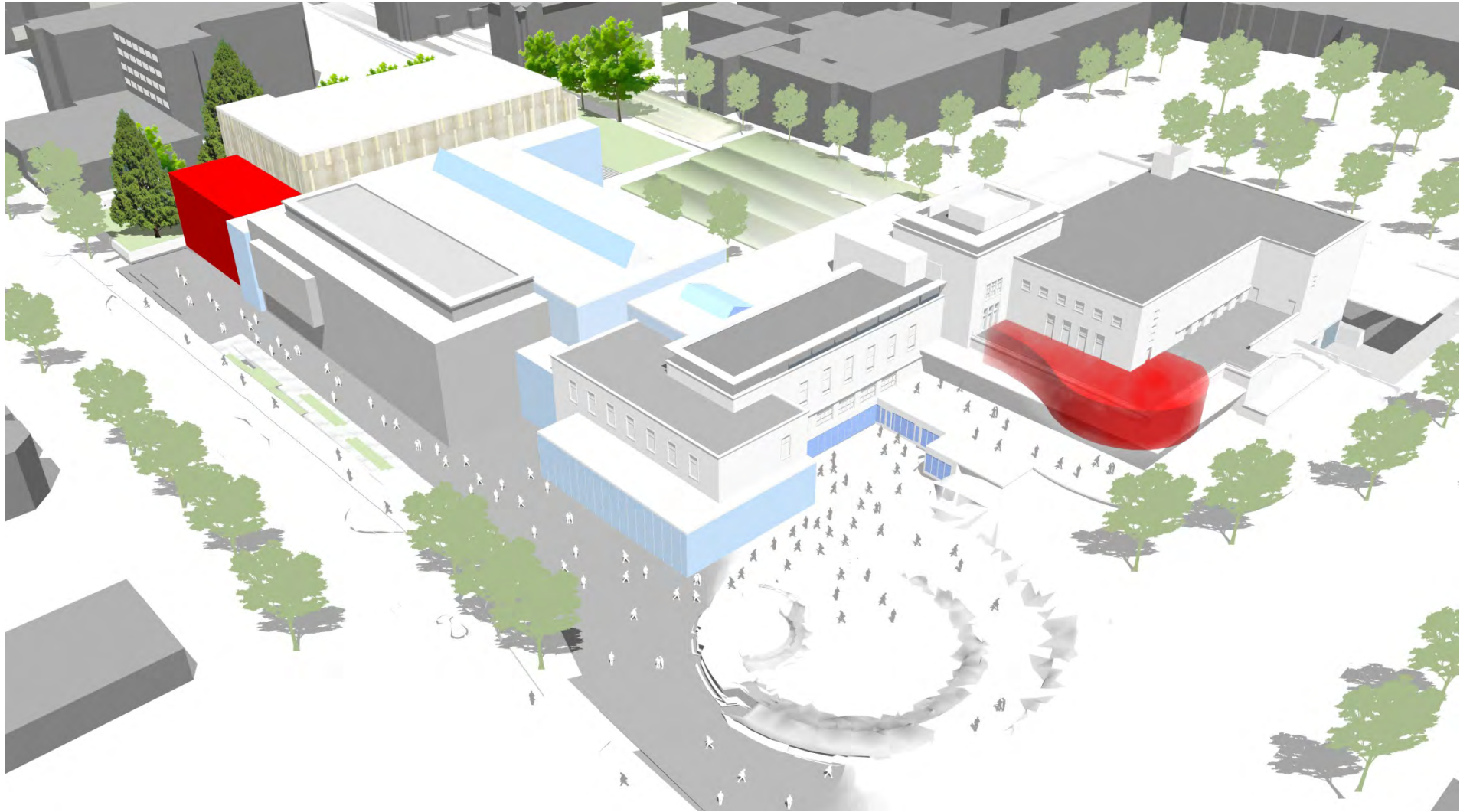






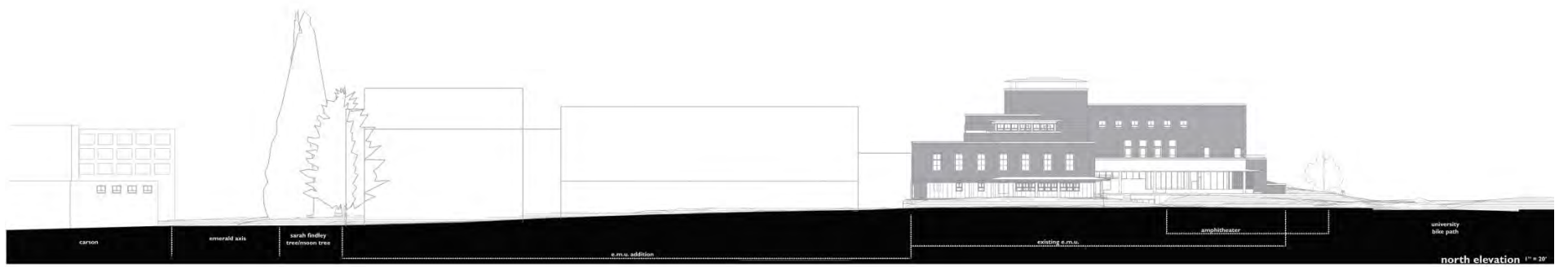




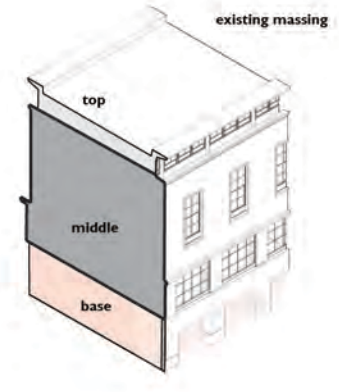
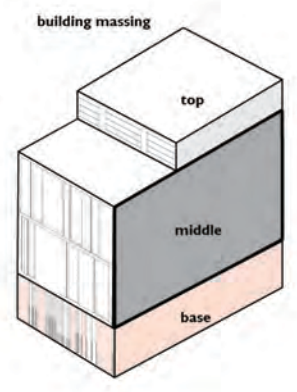
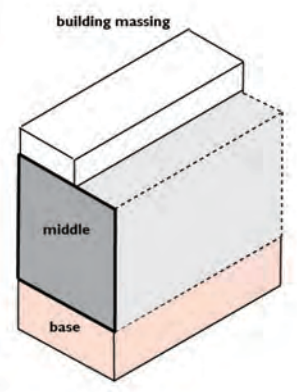
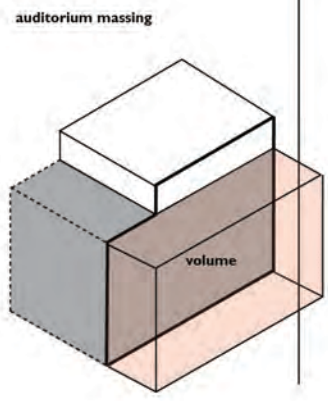
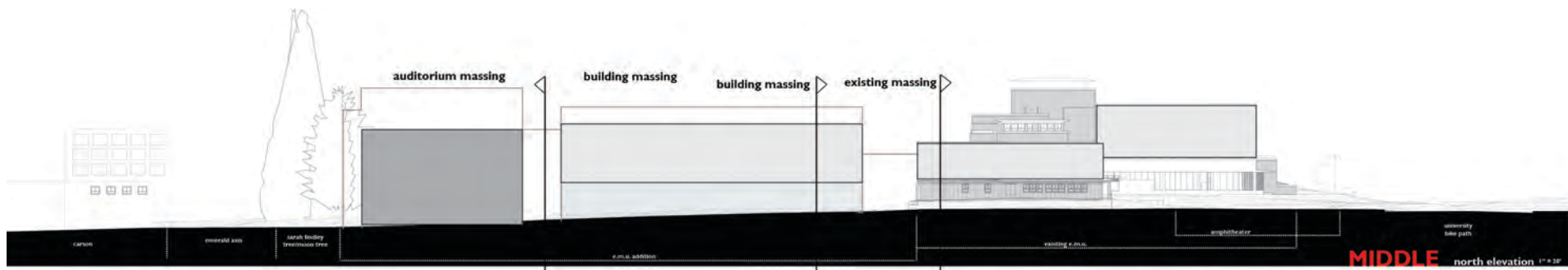


# NORTH ELEVATION STUDIES

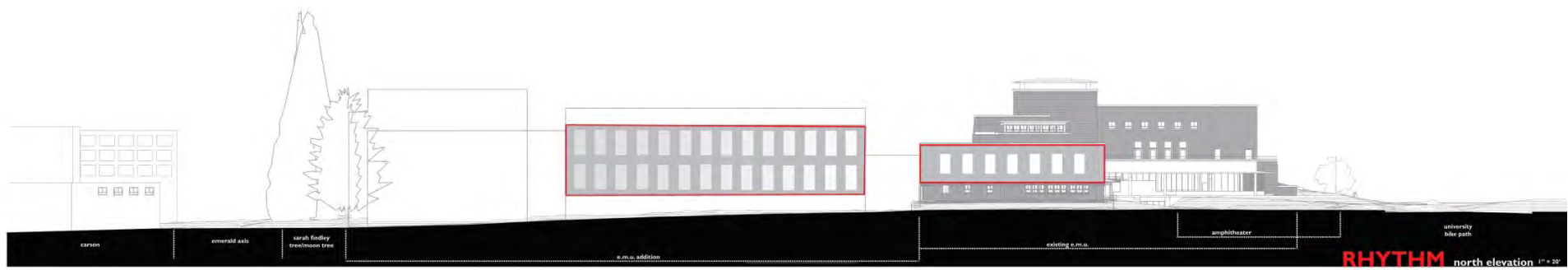




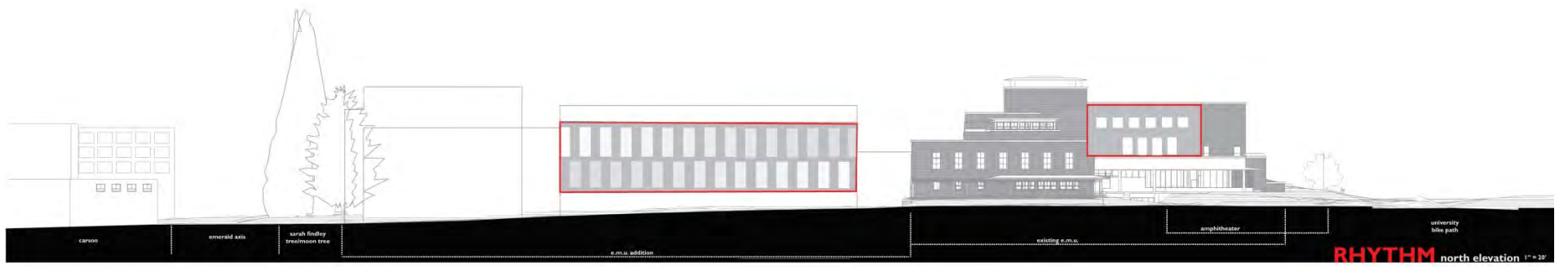
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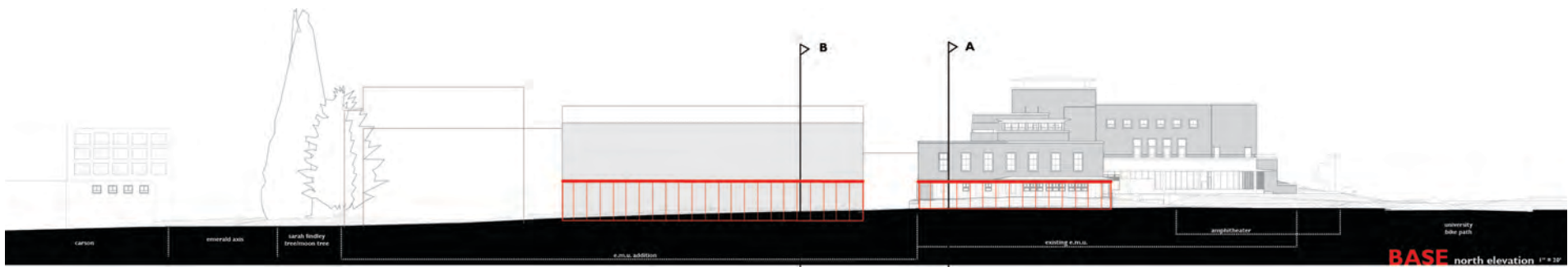
# NORTH ELEVATION STUDIES



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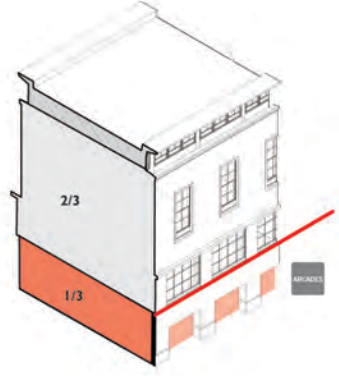
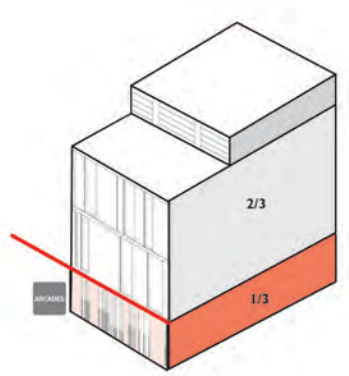


# NORTH ELEVATION STUDIES



proposed **B**

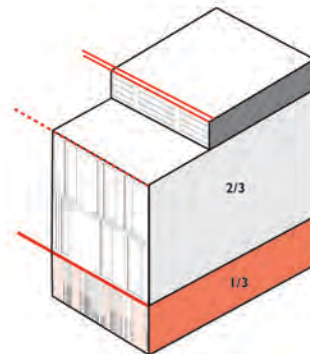
**A** existing



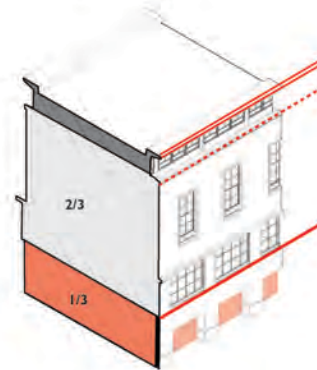
# NORTH ELEVATION STUDIES



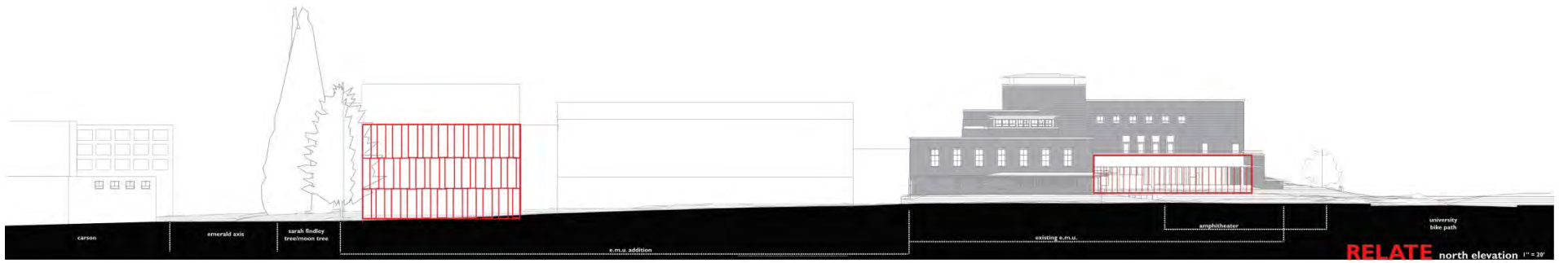
proposed B



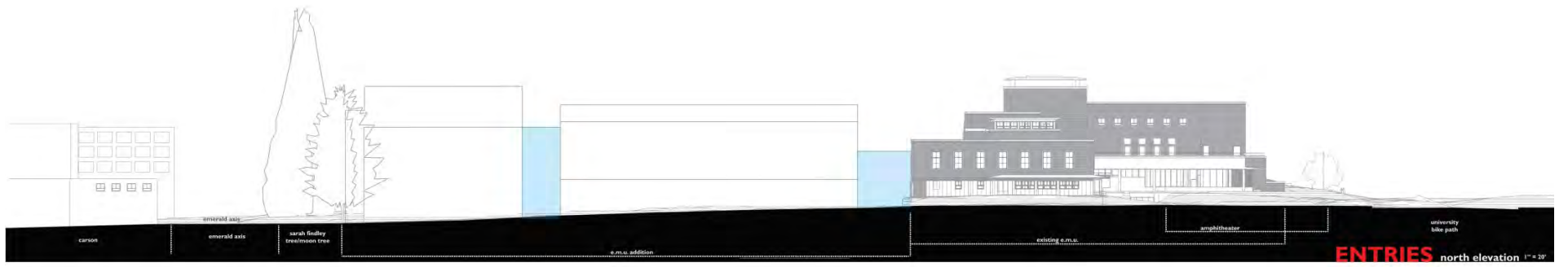
A existing



# NORTH ELEVATION STUDIES

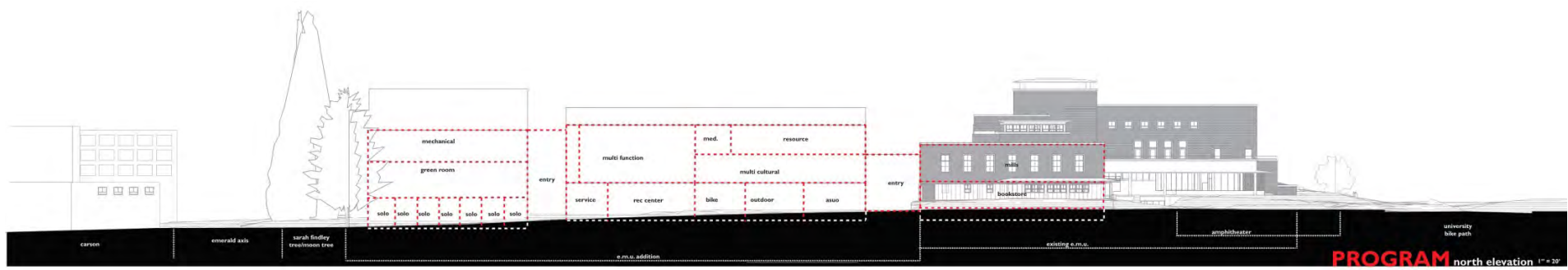


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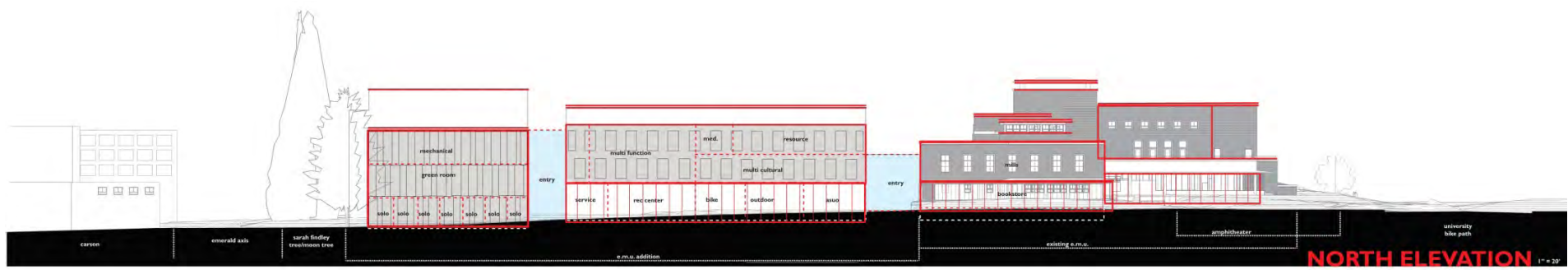


# NORTH ELEVATION STUDIES





# NORTH ELEVATION STUDIES



# NORTH ELEVATION STUDIES

# DAYLIGHTING ANALYSIS



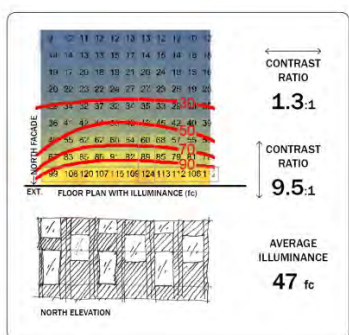
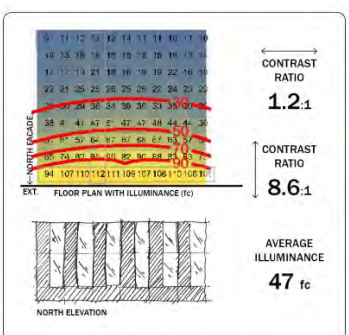
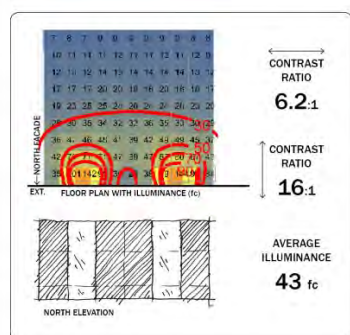
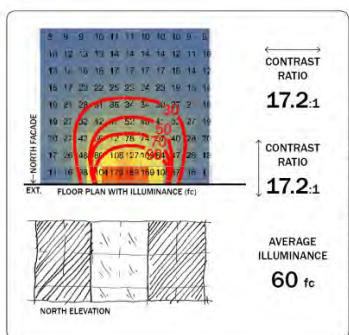
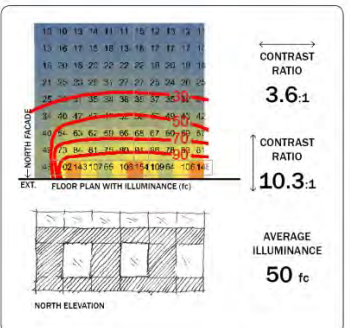
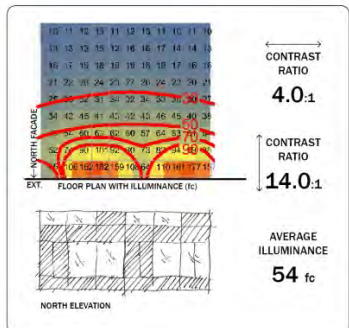
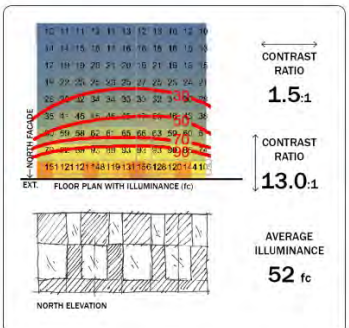
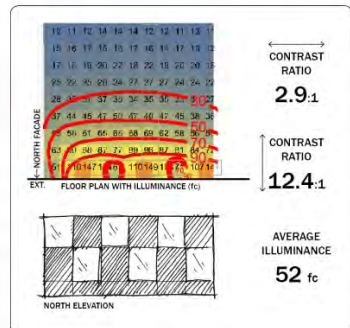
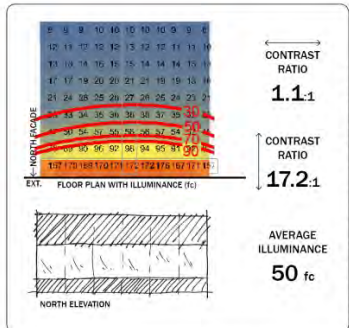
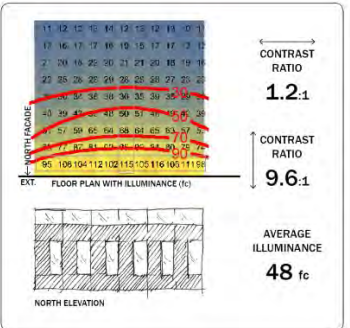
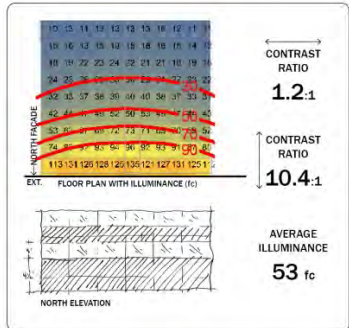
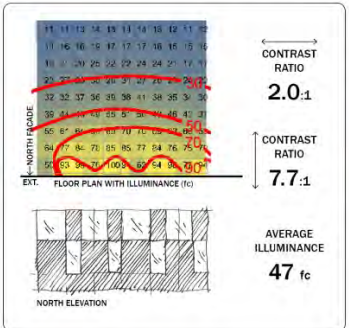
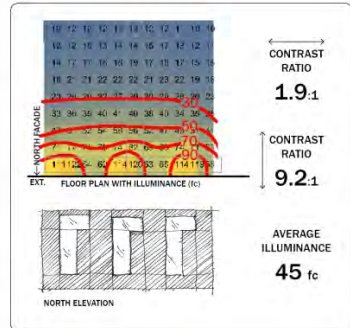
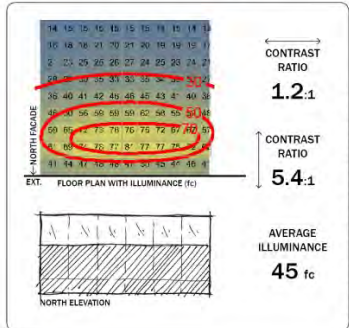
## BASE CASES

## VARIATIONS

DAYLIGHTING FOCUSED

VIEW OUTWARD FOCUSED

VIEW INWARD FOCUSED



# NORTH FAÇADE DAYLIGHTING ANALYSIS



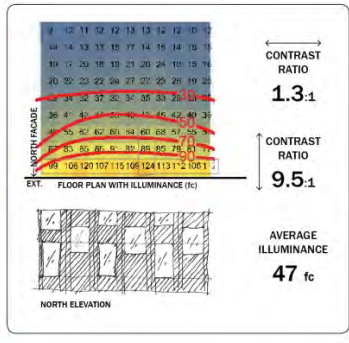
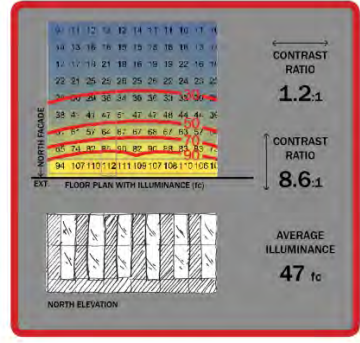
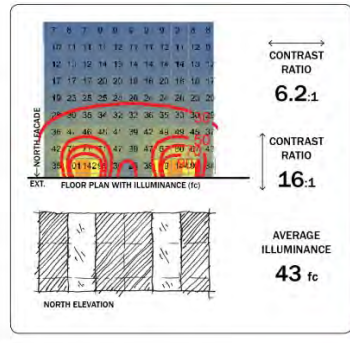
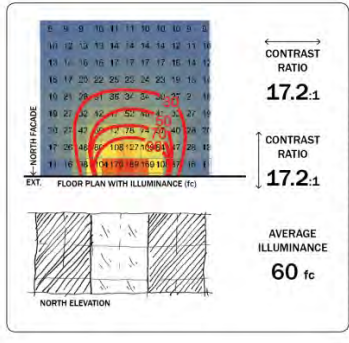
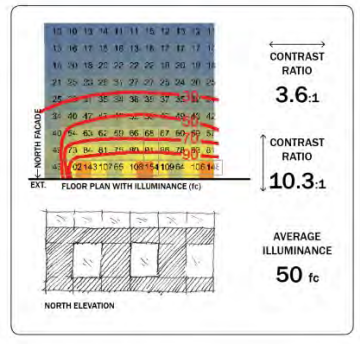
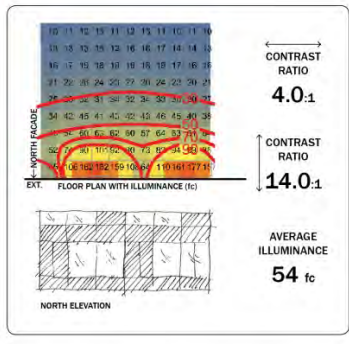
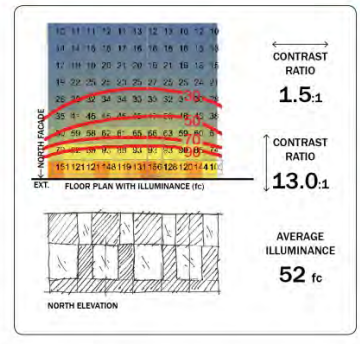
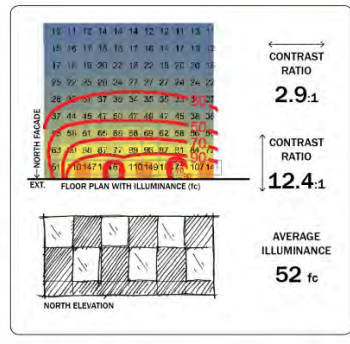
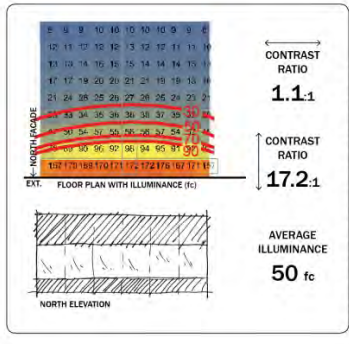
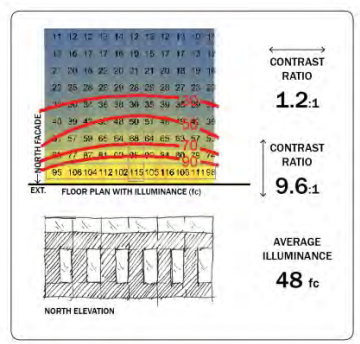
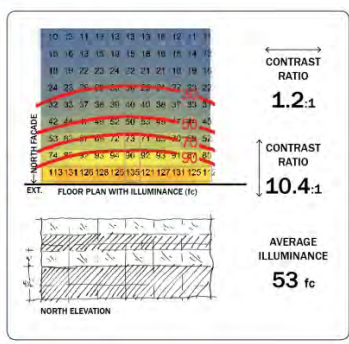
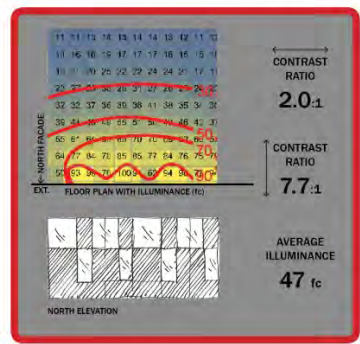
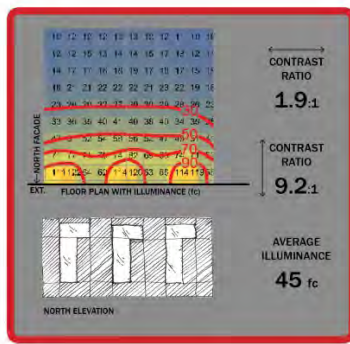
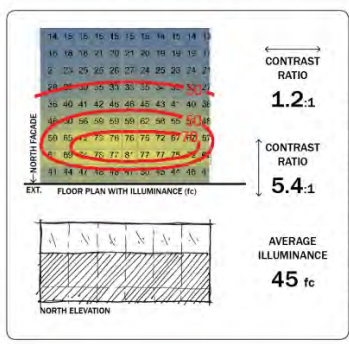
### BASE CASES

### VARIATIONS

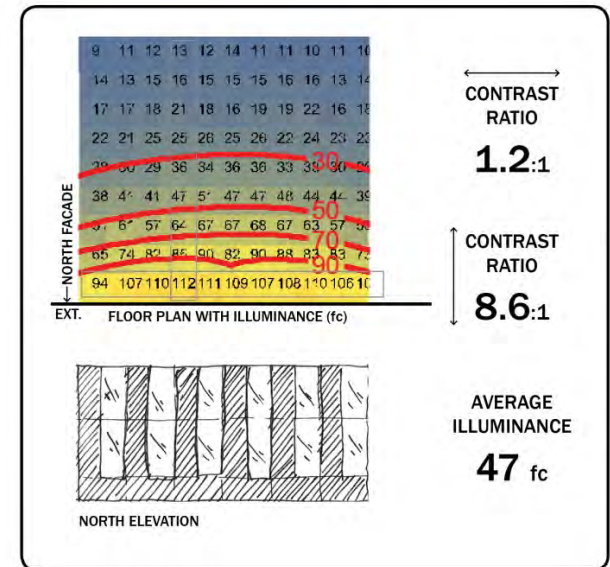
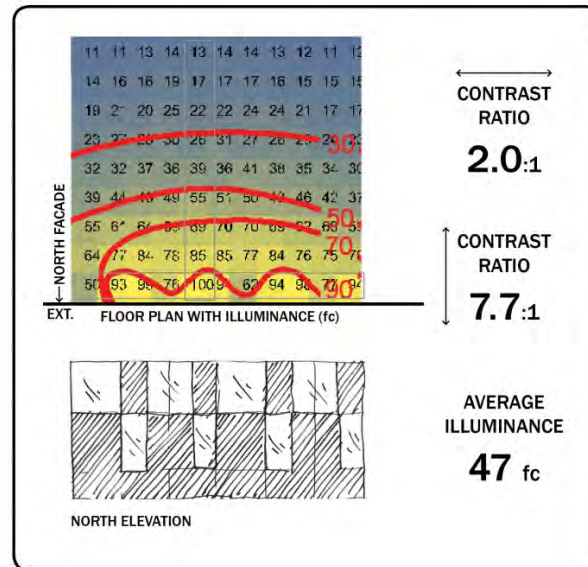
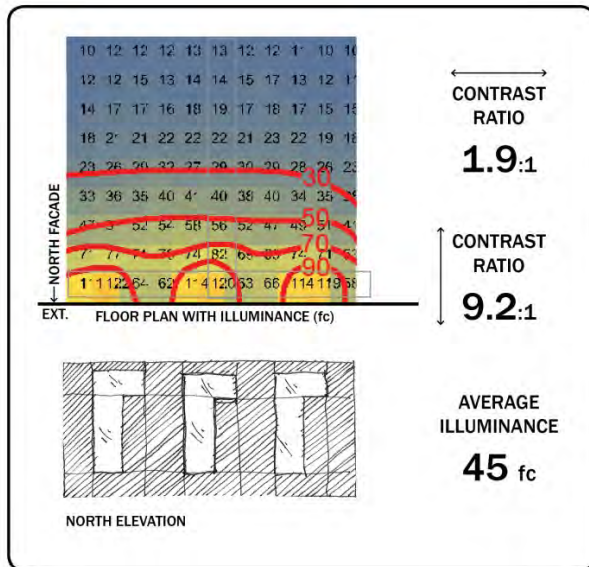
DAYLIGHTING FOCUSED

VIEW OUTWARD FOCUSED

VIEW INWARD FOCUSED



# NORTH FAÇADE DAYLIGHTING ANALYSIS



# NORTH FAÇADE DAYLIGHTING ANALYSIS

# NORTH ELEVATION OPTIONS

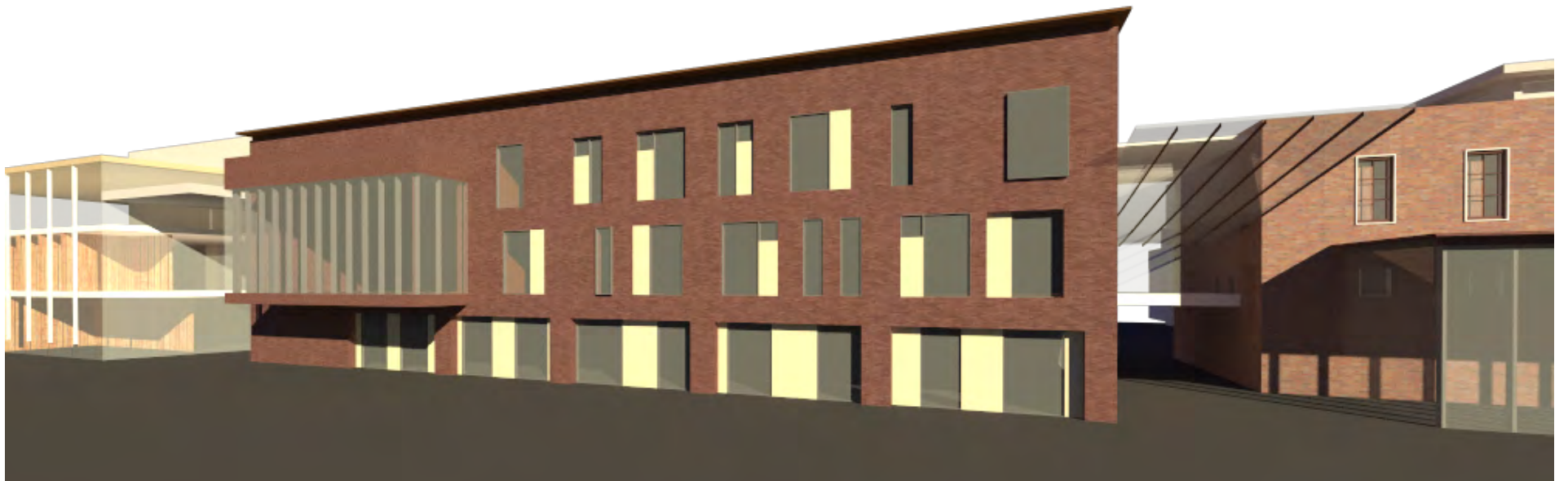


**NORTH ELEVATION OPTION 1a**





**NORTH ELEVATION OPTION 1b**



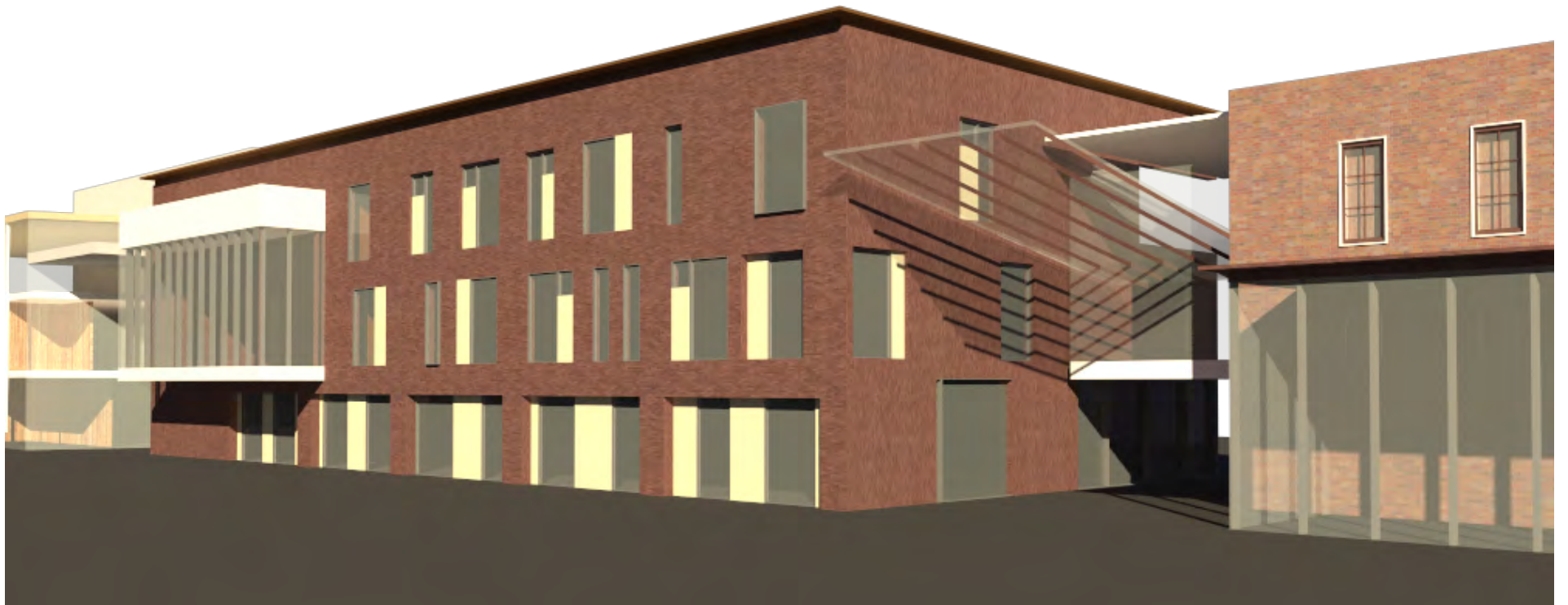
**NORTH ELEVATION OPTION 1c**



**NORTH ELEVATION OPTION 1d**



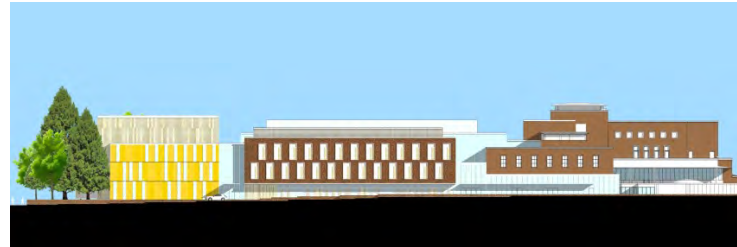
**NORTH ELEVATION OPTION 1e**



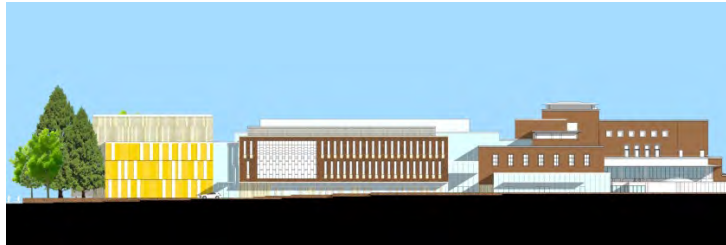
**NORTH ELEVATION OPTION 1f**



**ELEVATION OPTION 1**



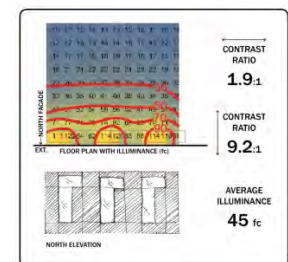
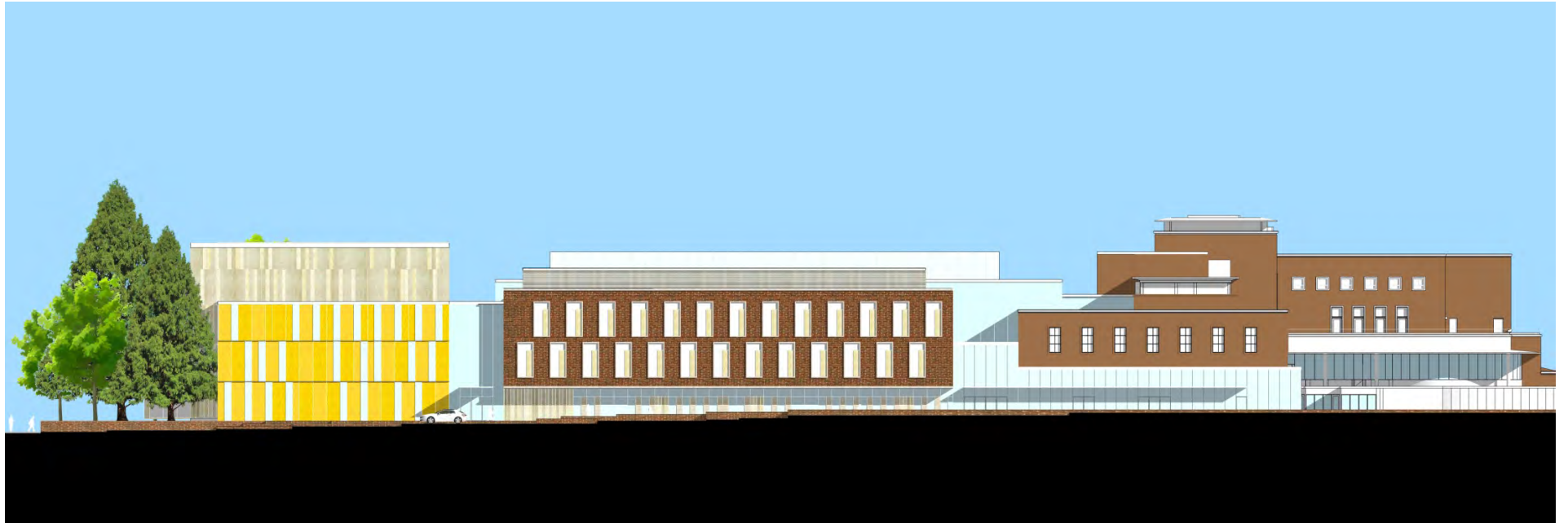
**ELEVATION OPTION 2**



**ELEVATION OPTION 3**



**ELEVATION OPTION 4**



**NORTH ELEVATION OPTION 2a**



**NORTH ELEVATION OPTION 2b**





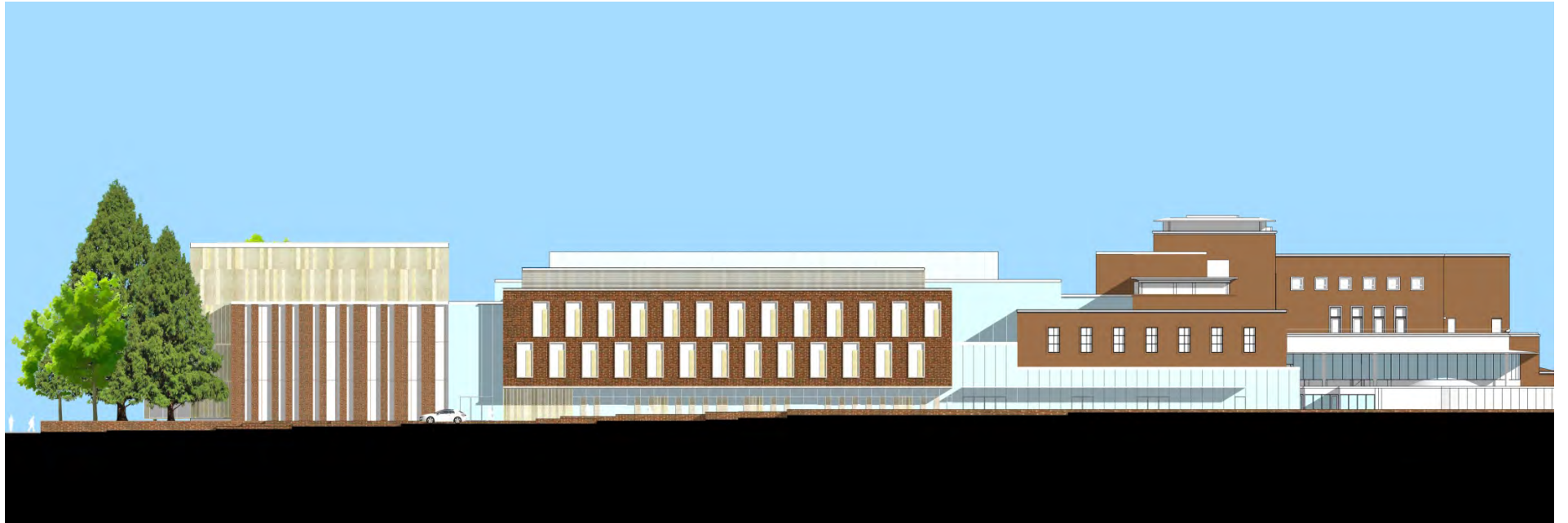
**NORTH ELEVATION OPTION 2c**



**NORTH ELEVATION OPTION 2d**



**NORTH ELEVATION OPTIONS 2e**



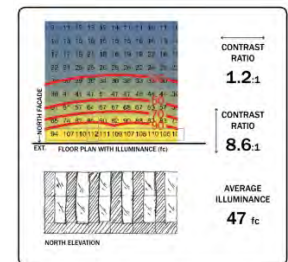
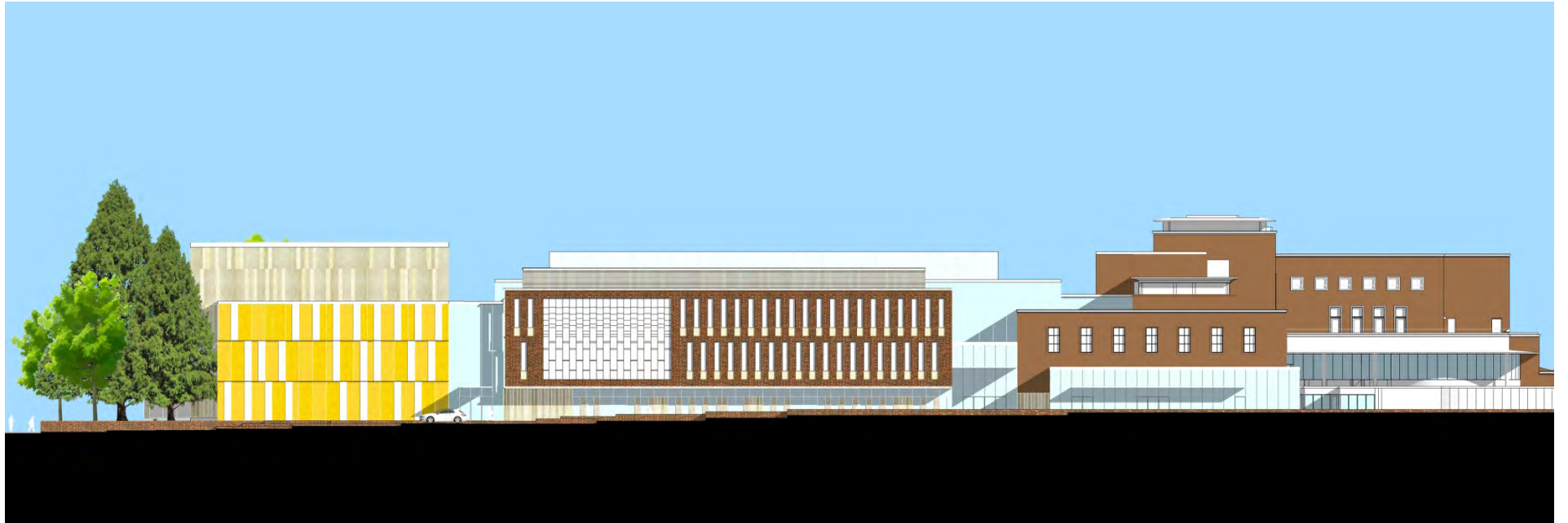
**NORTH ELEVATION OPTIONS 2f**



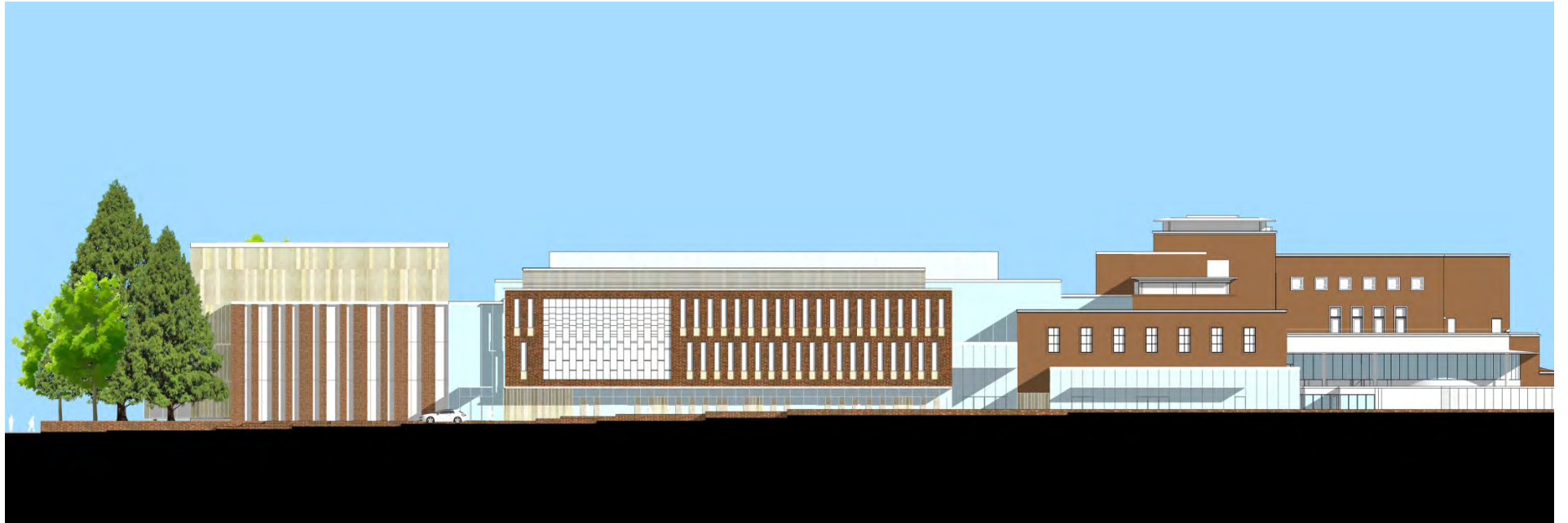
**NORTH ELEVATION OPTION 2g**



**NORTH ELEVATION OPTION 2h**



**NORTH ELEVATION OPTION 3a**



**NORTH ELEVATION OPTION 3b**





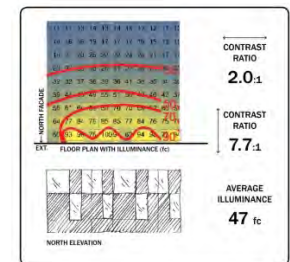
**NORTH ELEVATION OPTION 3c**



**NORTH ELEVATION OPTION 3d**



**NORTH ELEVATION OPTION 3e**



**NORTH ELEVATION OPTION 4a**



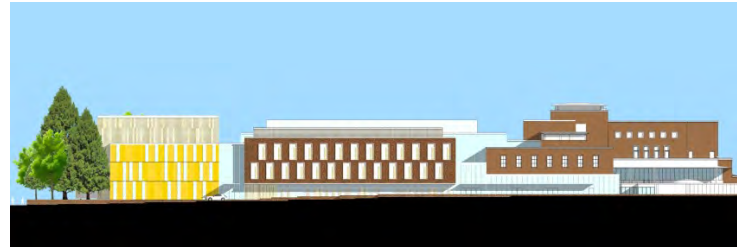
**NORTH ELEVATION OPTION 4b**



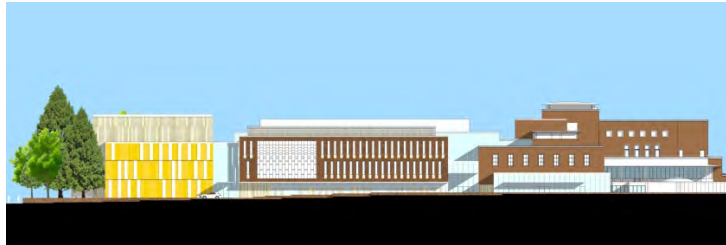
**NORTH ELEVATION OPTION 4c**



**ELEVATION OPTION 1**



**ELEVATION OPTION 2**



**ELEVATION OPTION 3**



**ELEVATION OPTION 4**

**DECISION:**  
*Preferred North  
Elevation option*

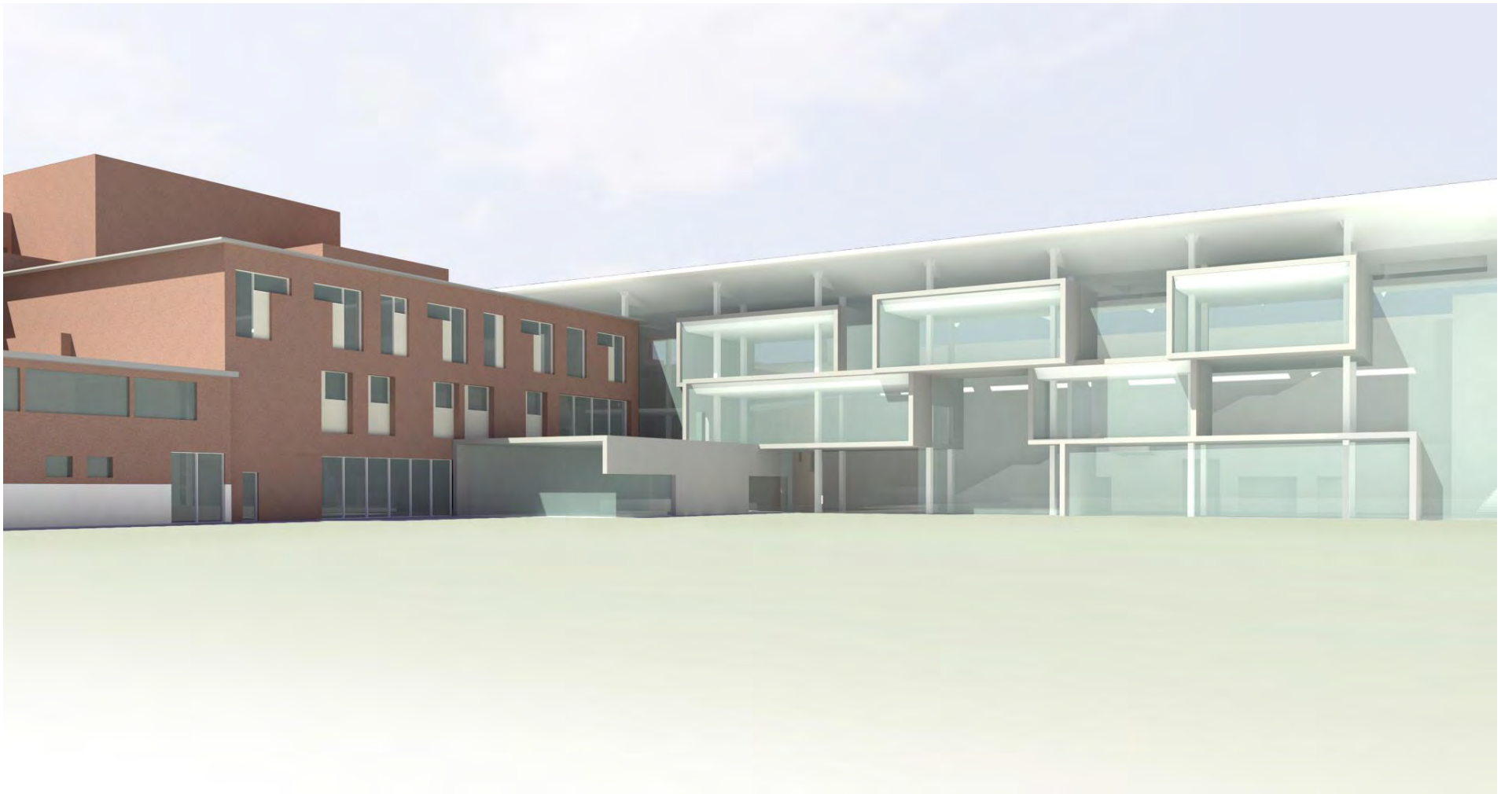


**SOUTH ELEVATION**



SOUTH ELEVATION

**SOUTH ELEVATION**



**PERSPECTIVE - SOUTH WALL**



**DECISION:**  
*Agreement on South  
Elevation*

**EAST ELEVATION**

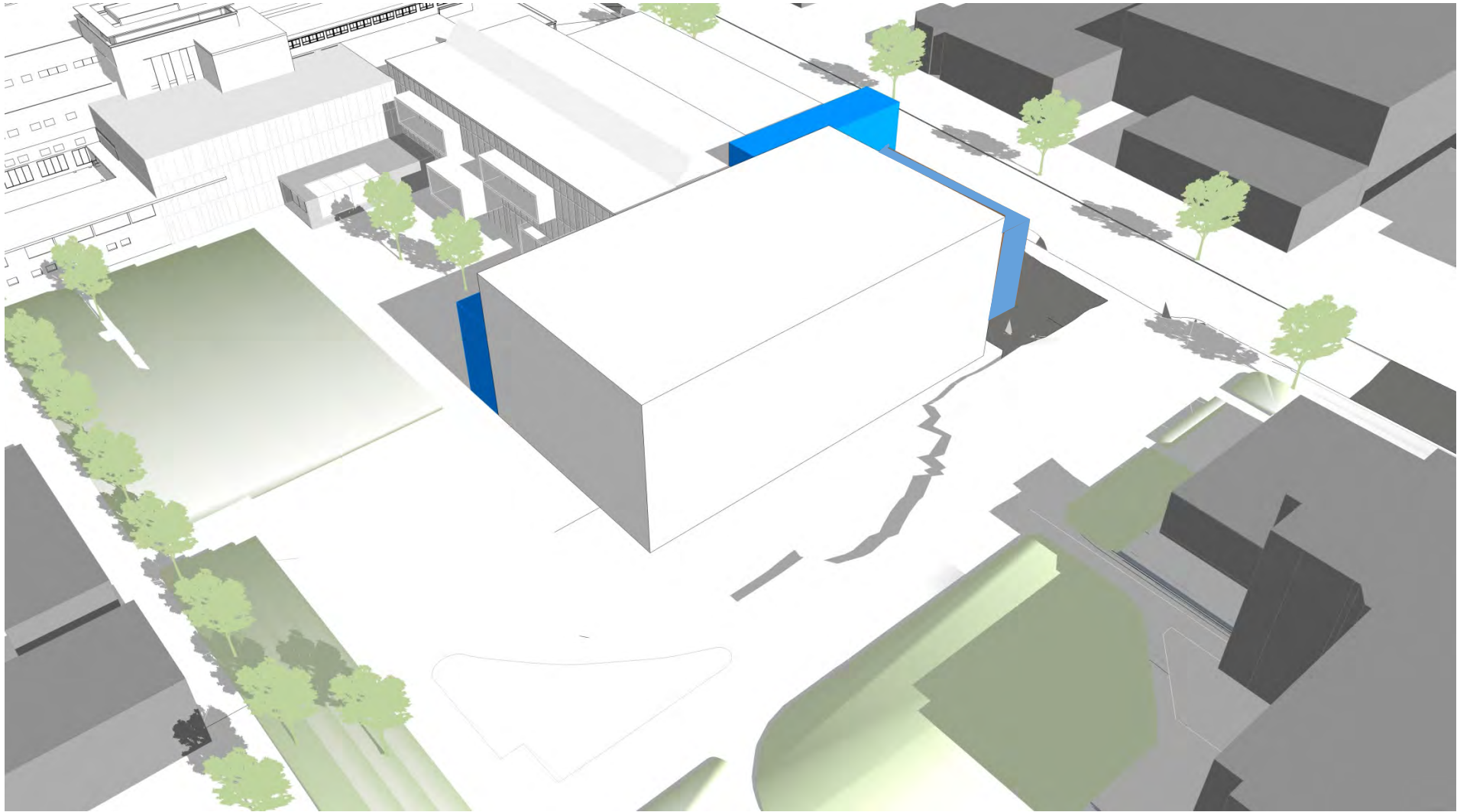


EAST ELEVATION

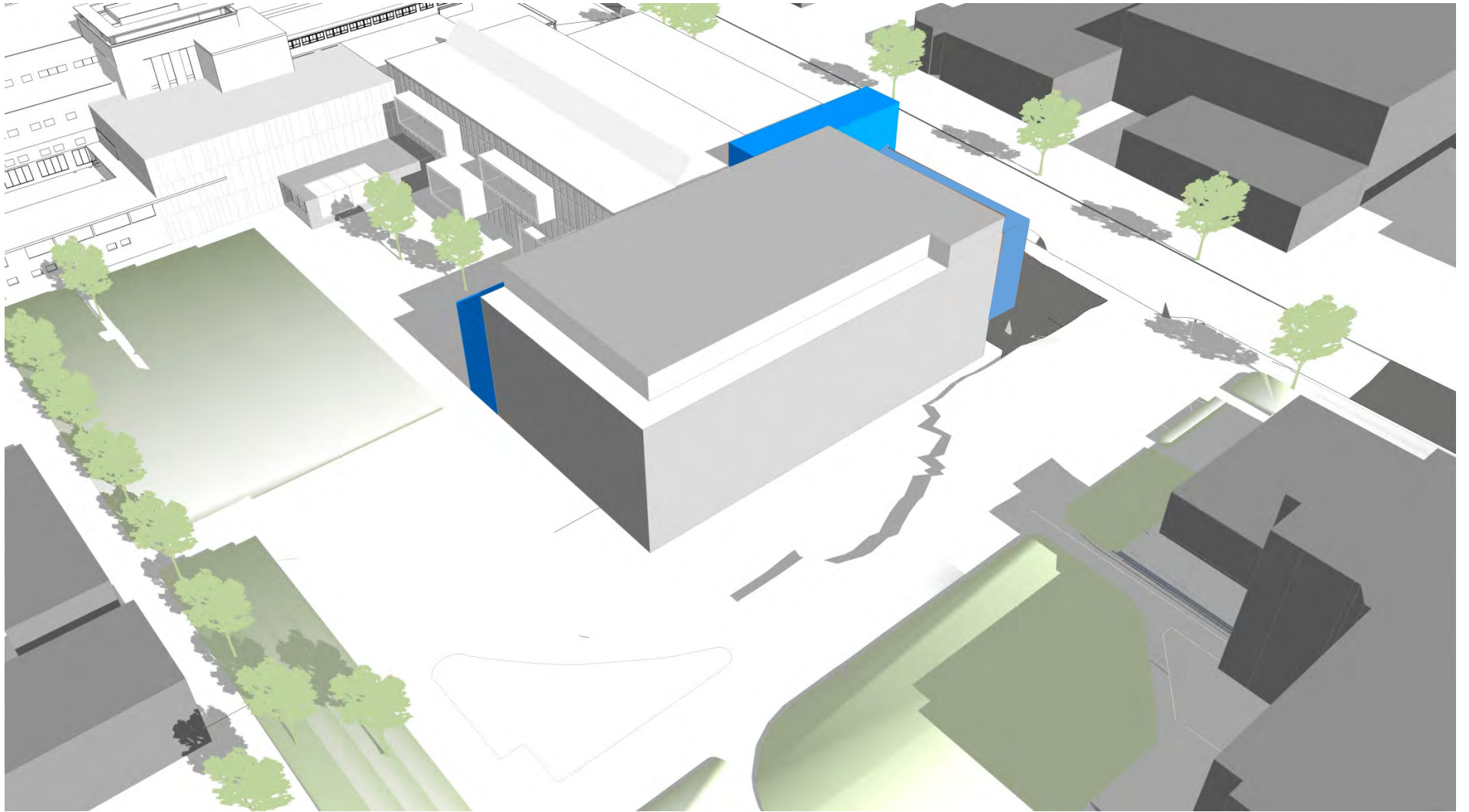
**EAST ELEVATION**

# CONCERT HALL

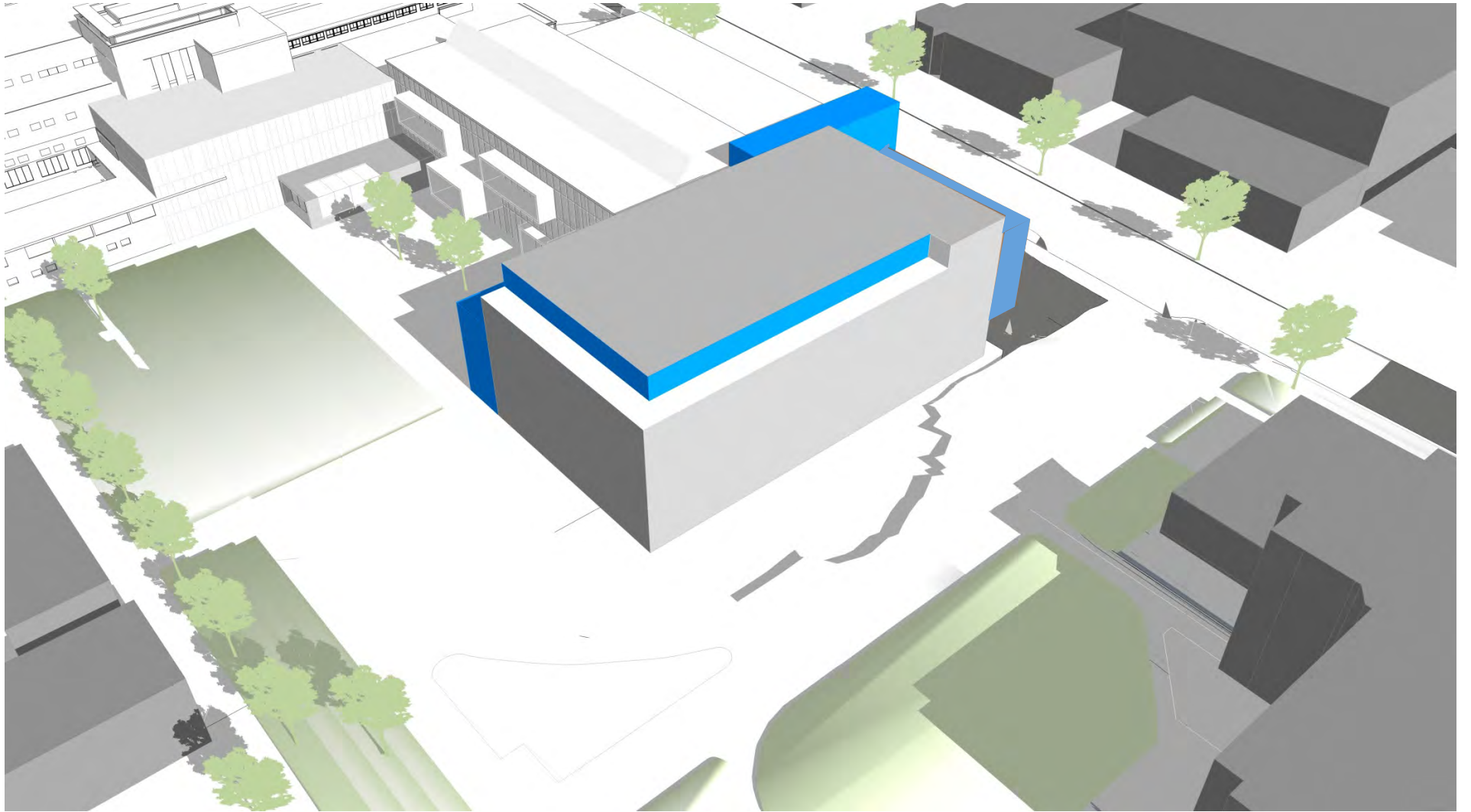




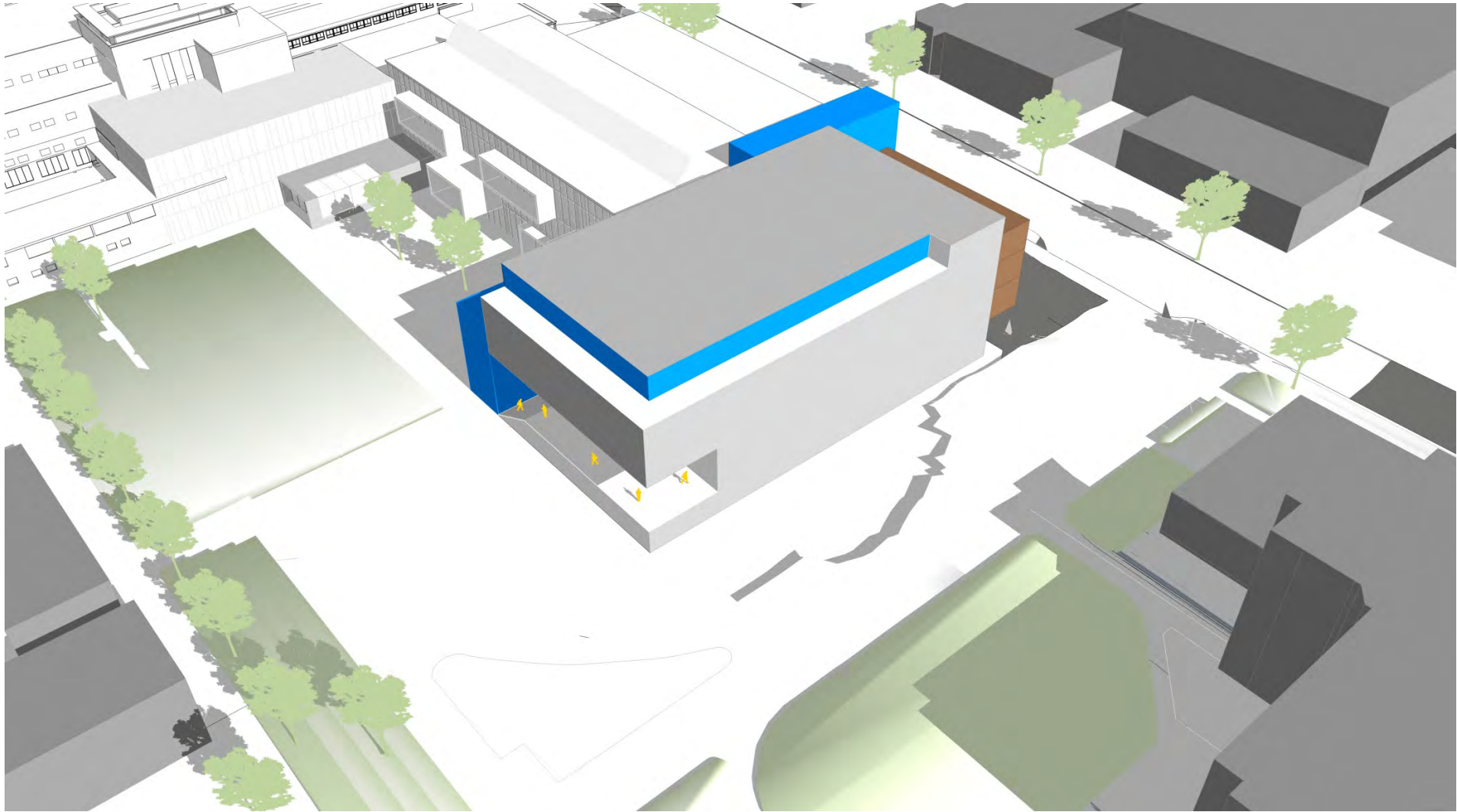
THE HALL



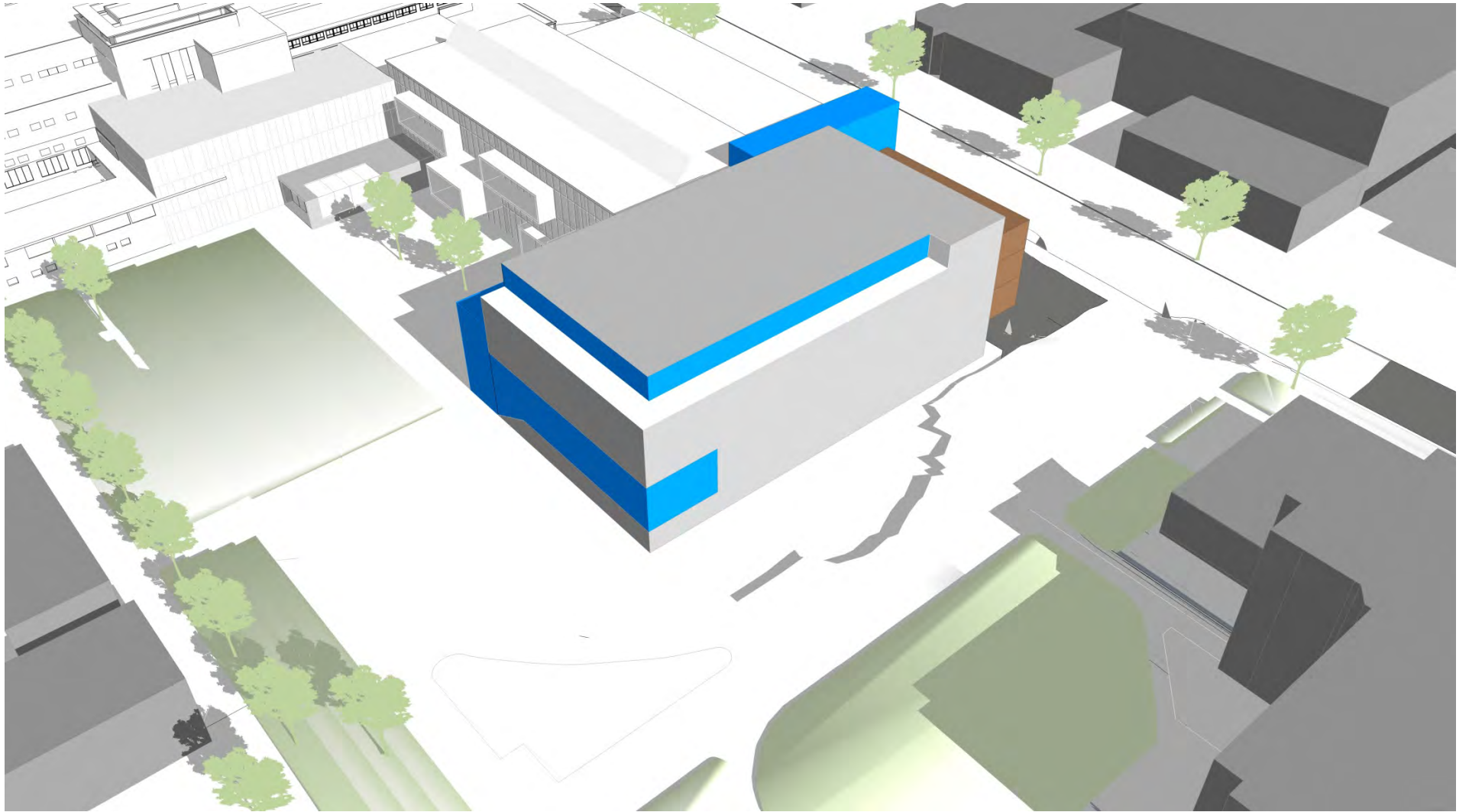
SUBTRACT



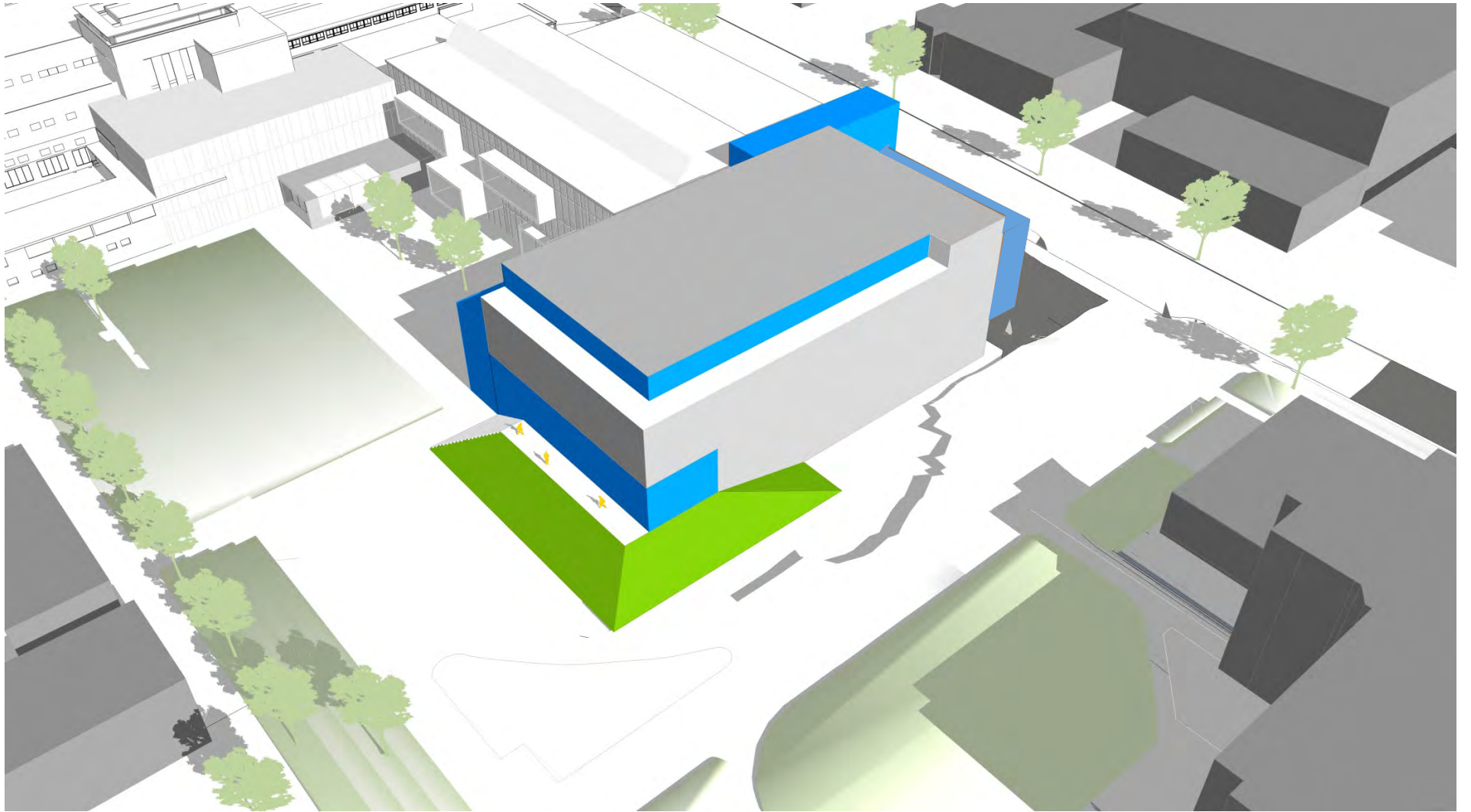
LIGHT



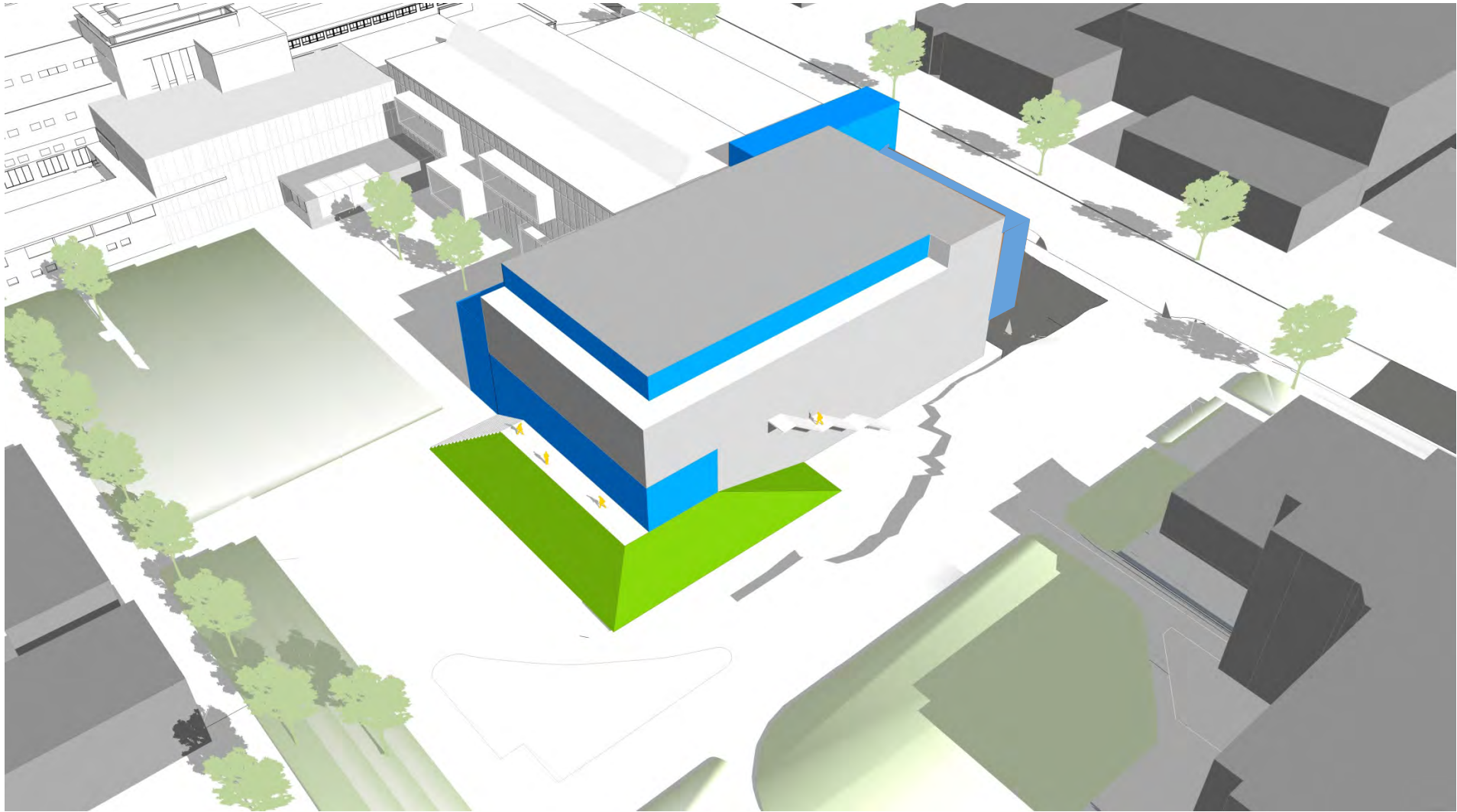
SUBTRACT



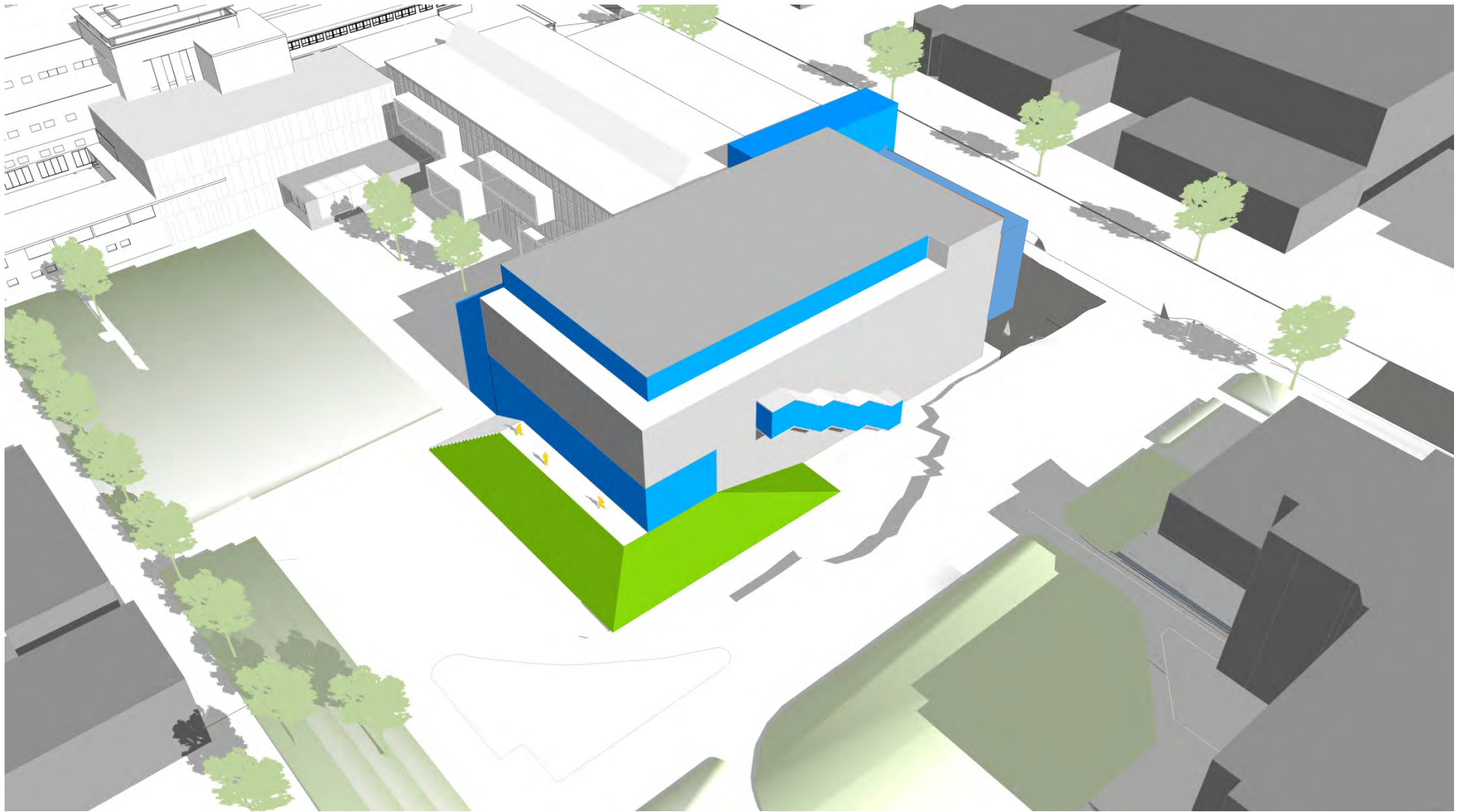
SOUTH FACING



OUTDOOR ROOM

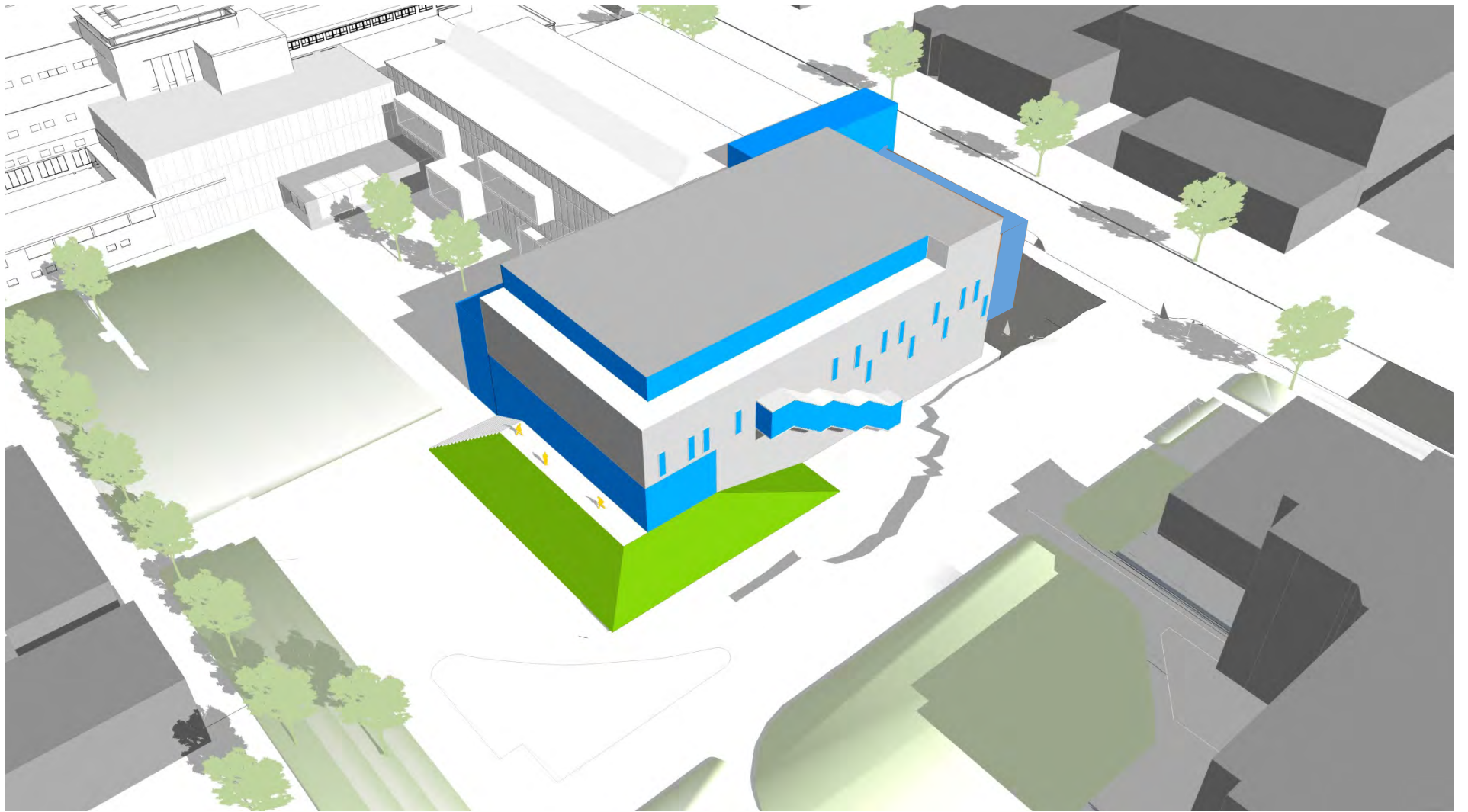


CIRCULATION

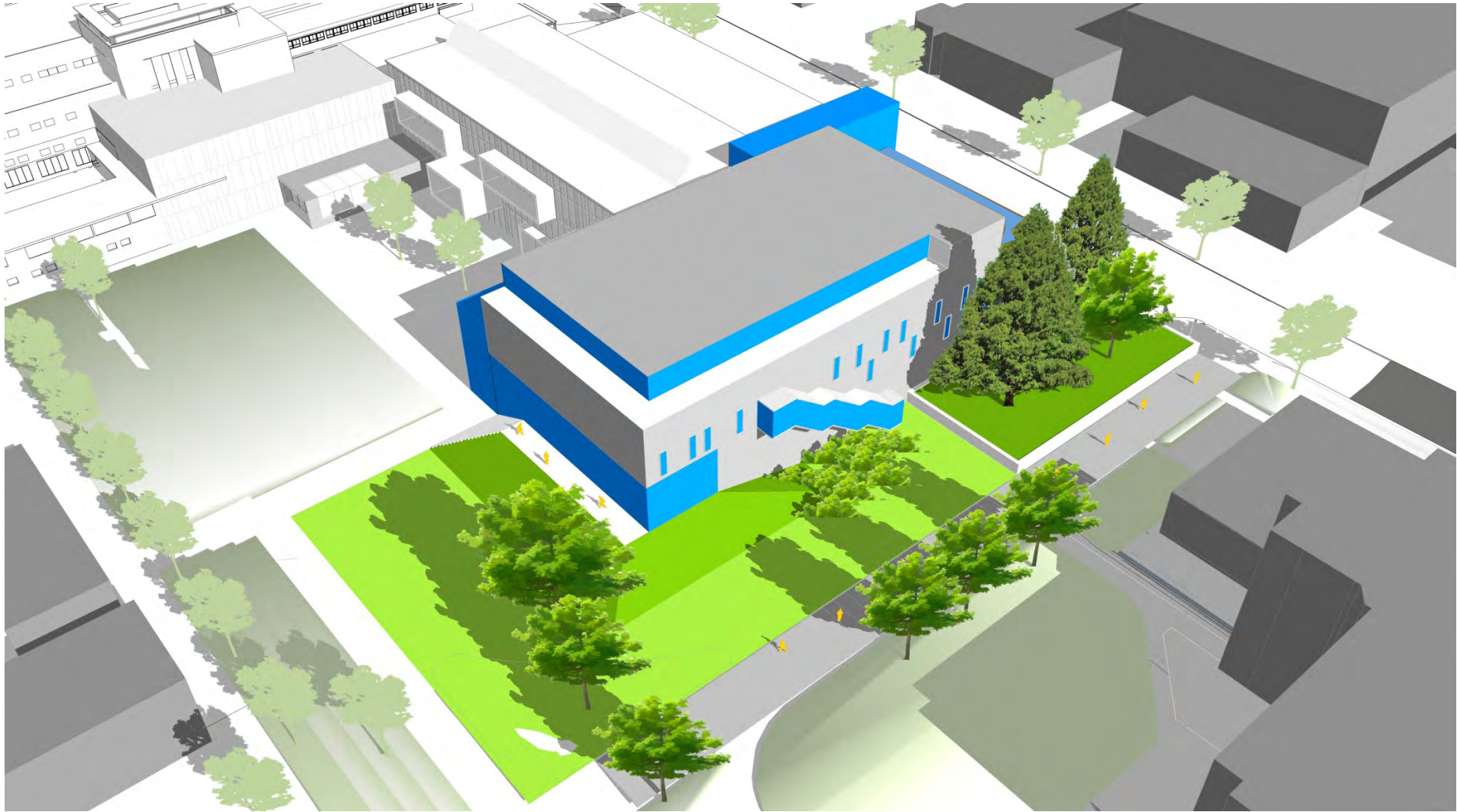


EXTRUDE

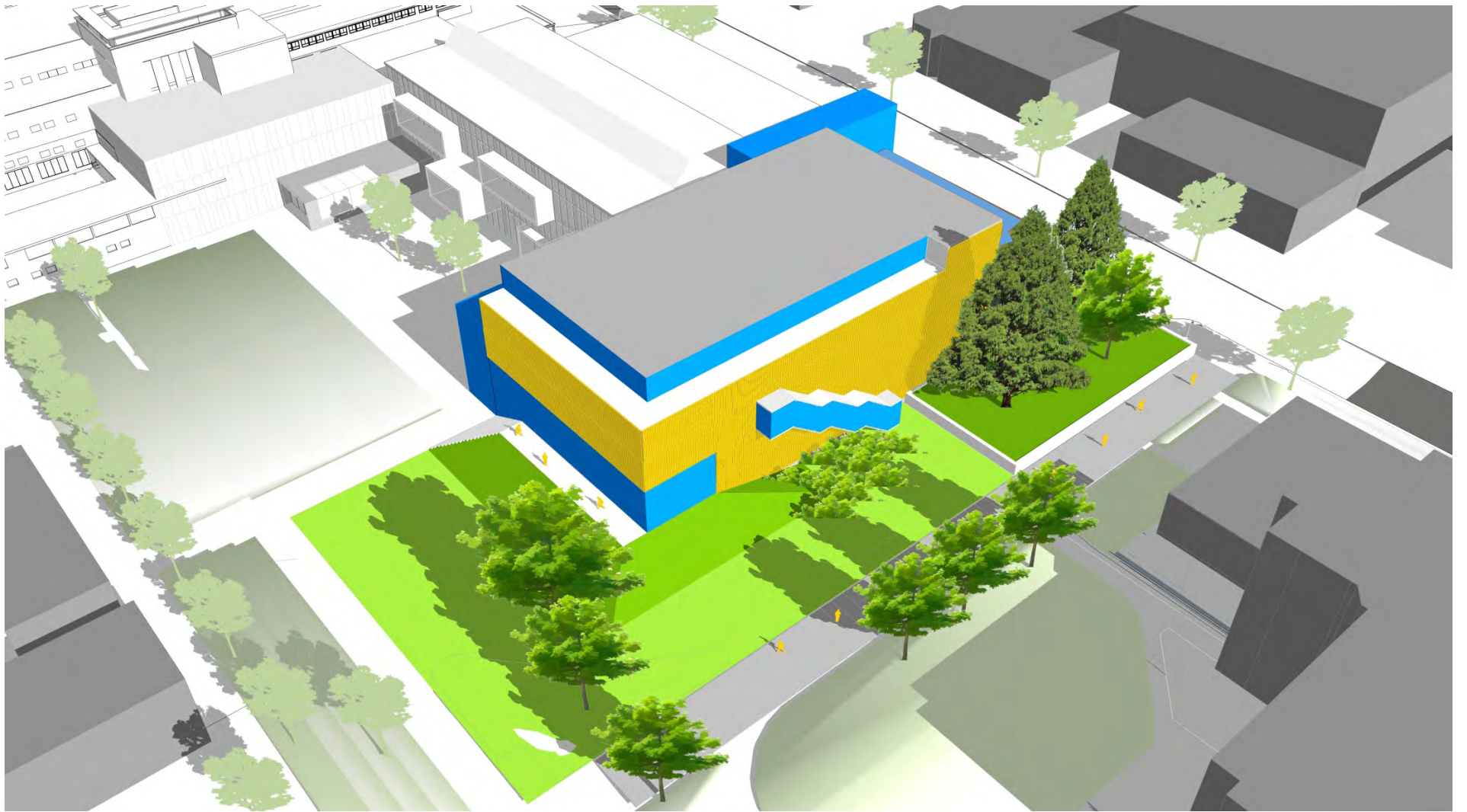




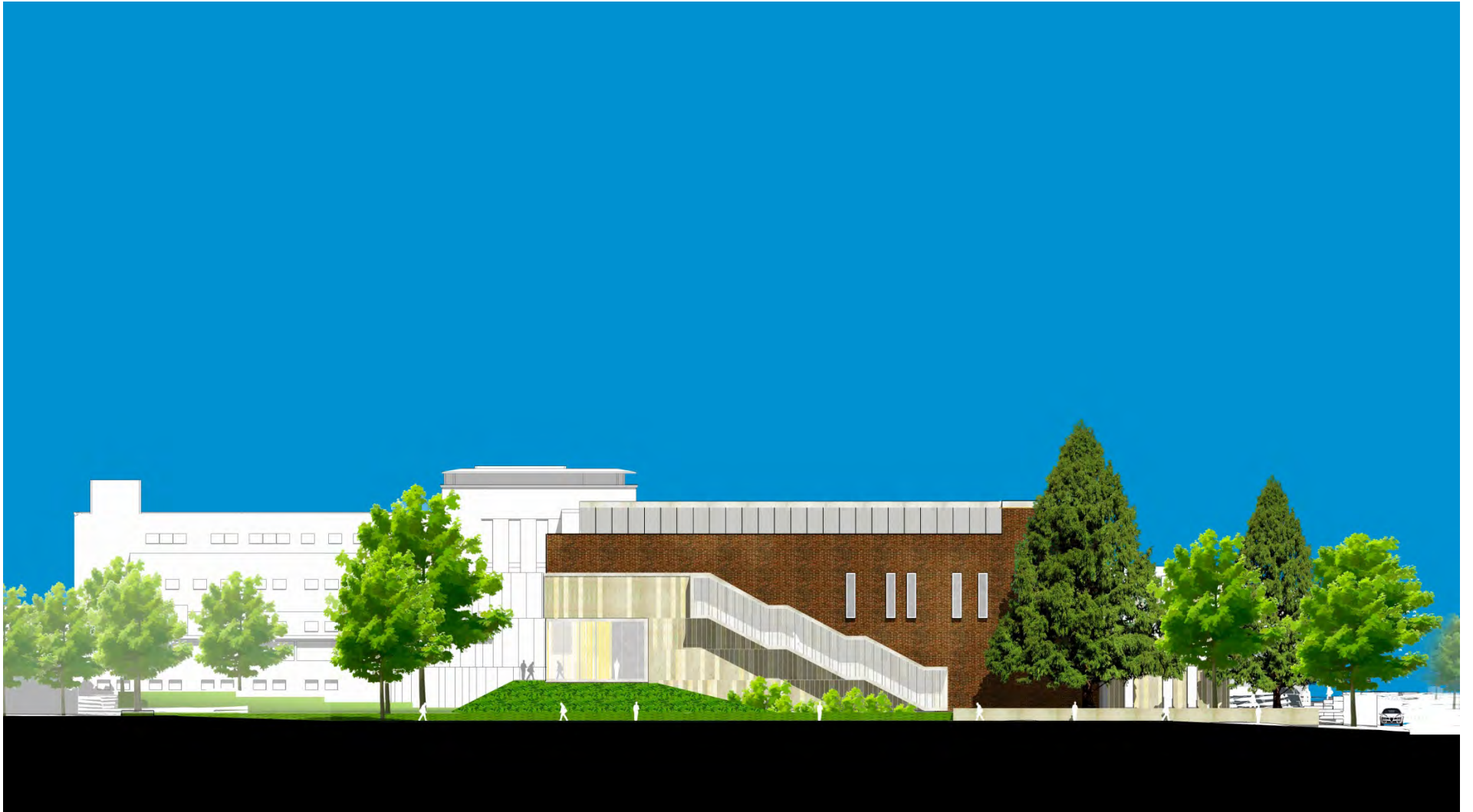
PATTERN



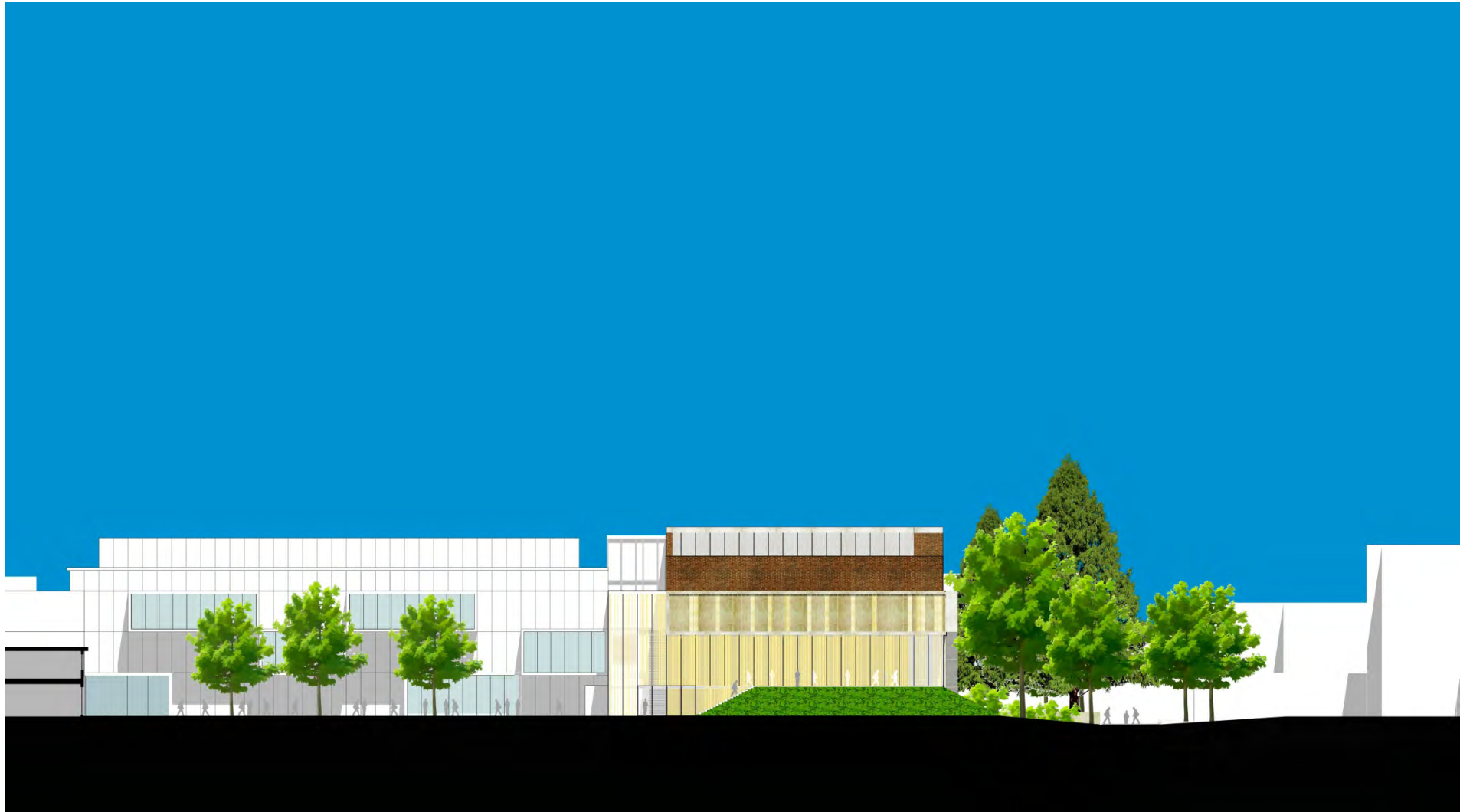
LANDSCAPE



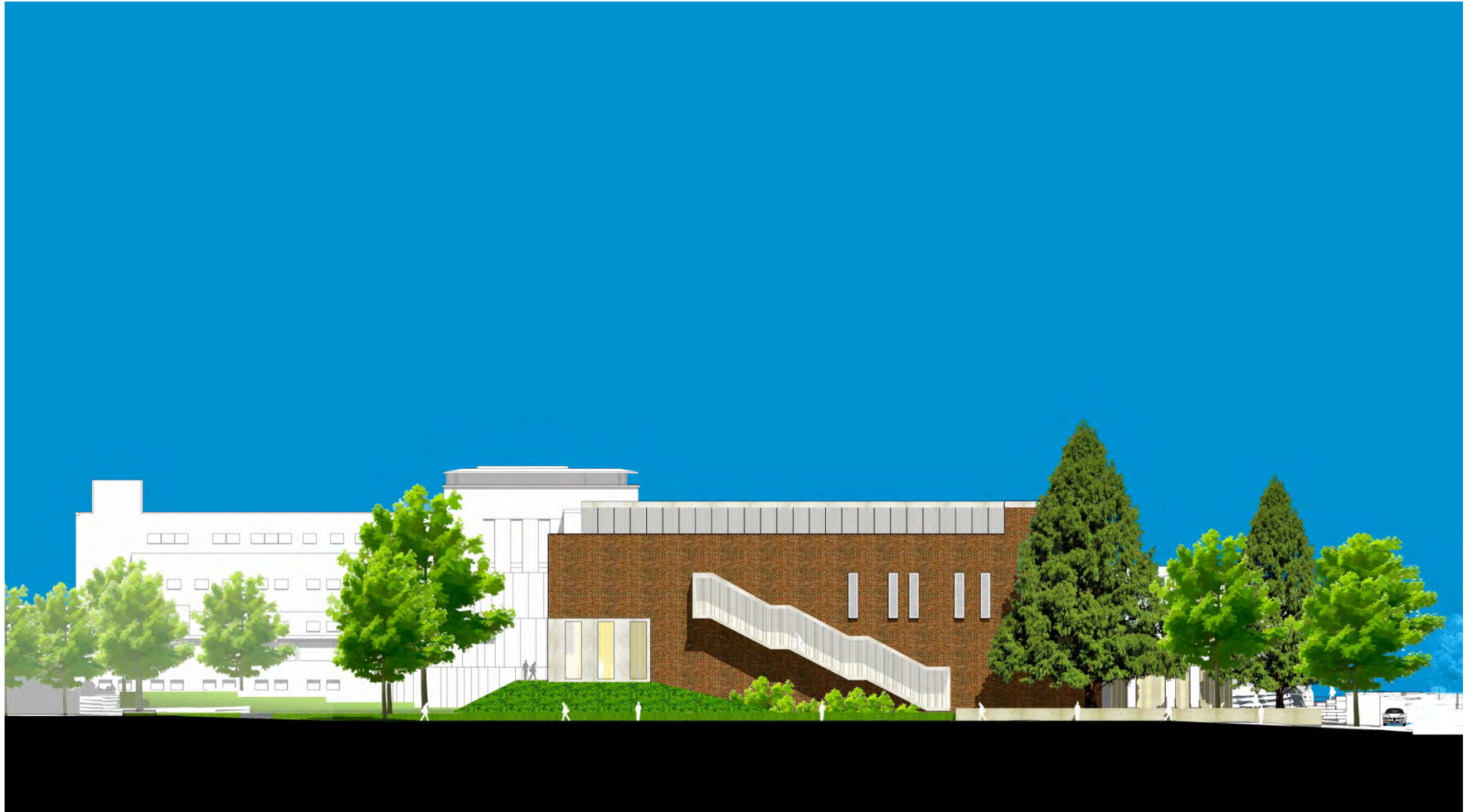
ARTICULATE



EMERALD AXIS  
BRICK



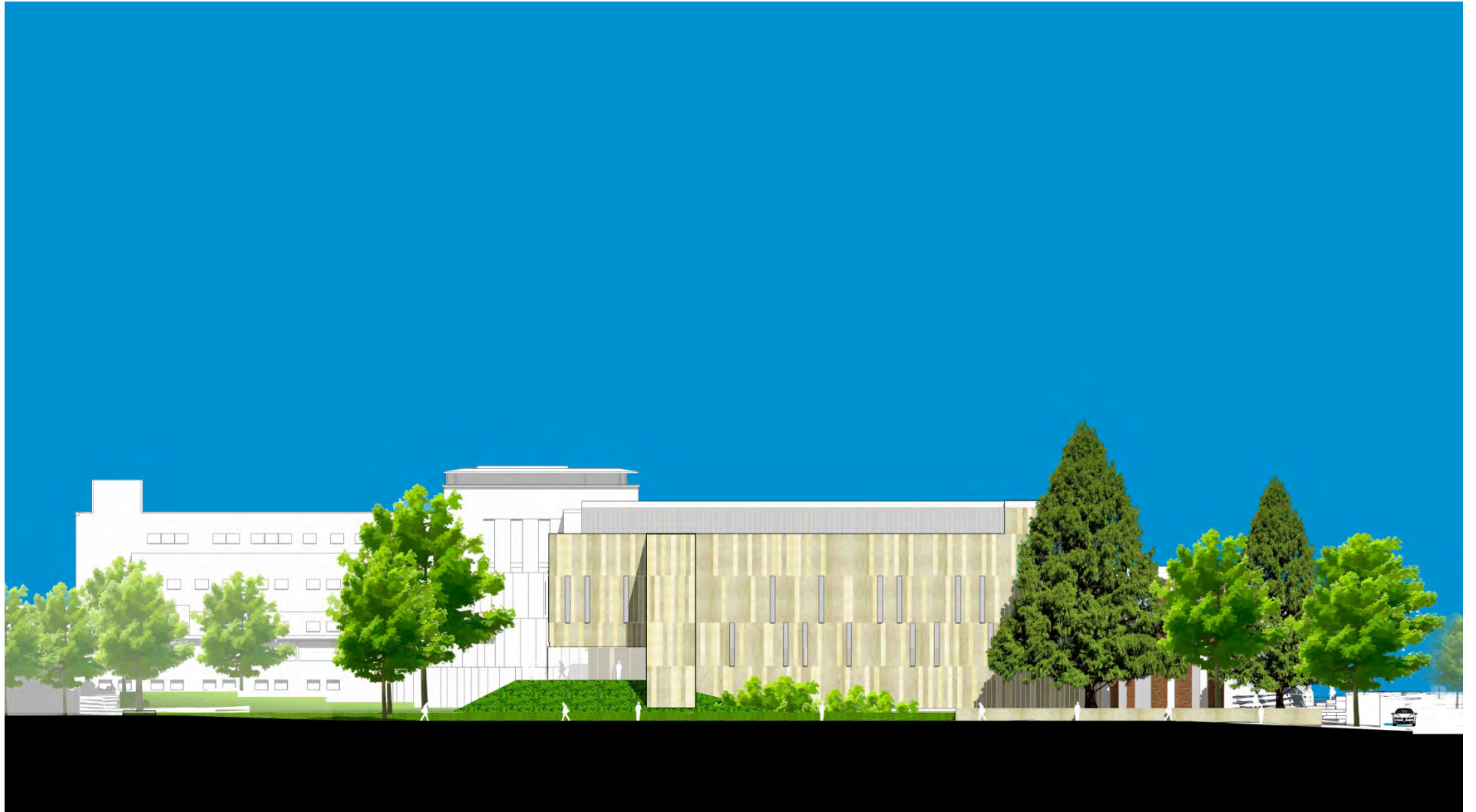
PROMENADE  
BRICK



EMERALD AXIS  
BRICK  
LANDSCAPE BERM



PROMENADE  
BRICK  
LANDSCAPE BERM



EMERALD AXIS  
STONE – BERM  
VERTICAL STAIR





PROMENADE  
STONE – BERM  
VERTICAL STAIR



## CANOPY GEOMETRY

- ① DOWNSTAGE REFLECTOR FOR ENSEMBLE COMMUNICATION & PROJECTION OF SOUND TO AUDIENCE.
- ② MID STAGE REFLECTOR FOR ENSEMBLE COMMUNICATION
- ③ UPSTAGE REFLECTOR FOR CHOIR SUPPORT.

DEVELOP TO BE MORE SOUND DIFFUSIVE.

CLOSE OFF ATTIC FOR SOUND ISOLATION.

DOUBLE WINDOW SYSTEM BUT W/ BLACK-OUT.

LOW POINT OF CANOPY TYPICALLY 40' AFF. 30' FOR CHAMBER ONLY.

n52'

n52' AFF.

OVERHANG IS PROBLEMATIC ACOUSTICALLY OVER CHOIR. STRAIGHTEN OUT

WOOD IN AUDIENCE ZONE.

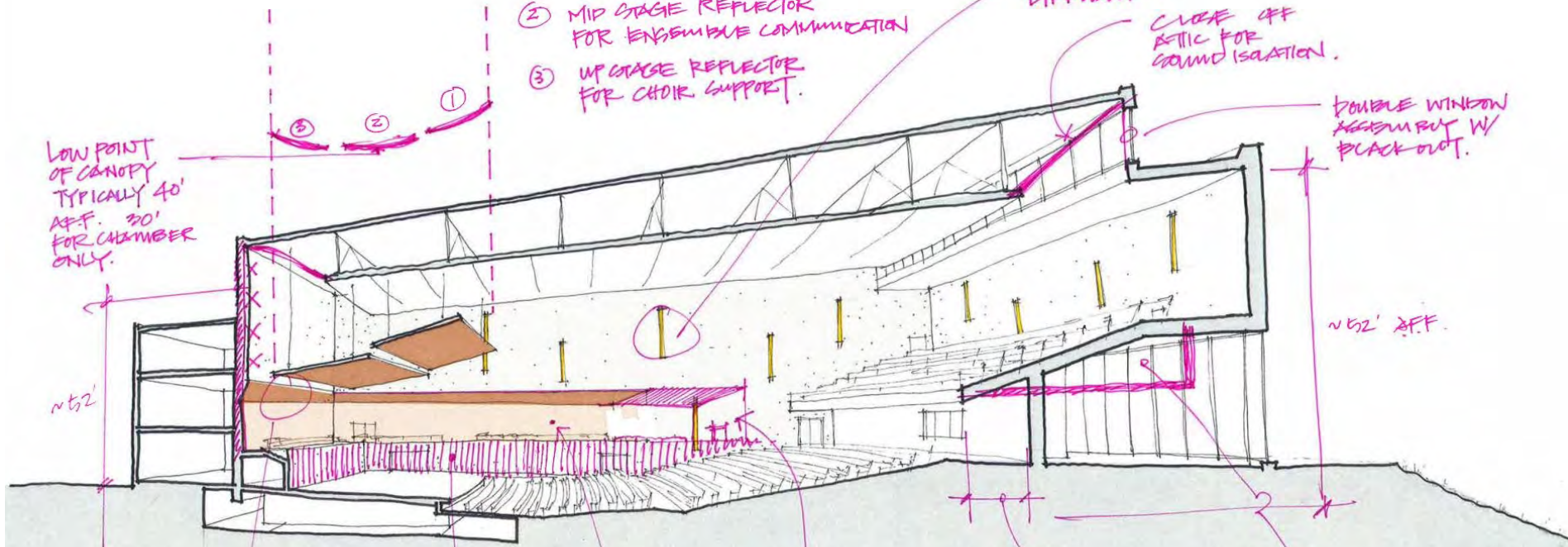
VANISH POINT MAKES THE ROOM APPEAR WEDGE SHAPED.

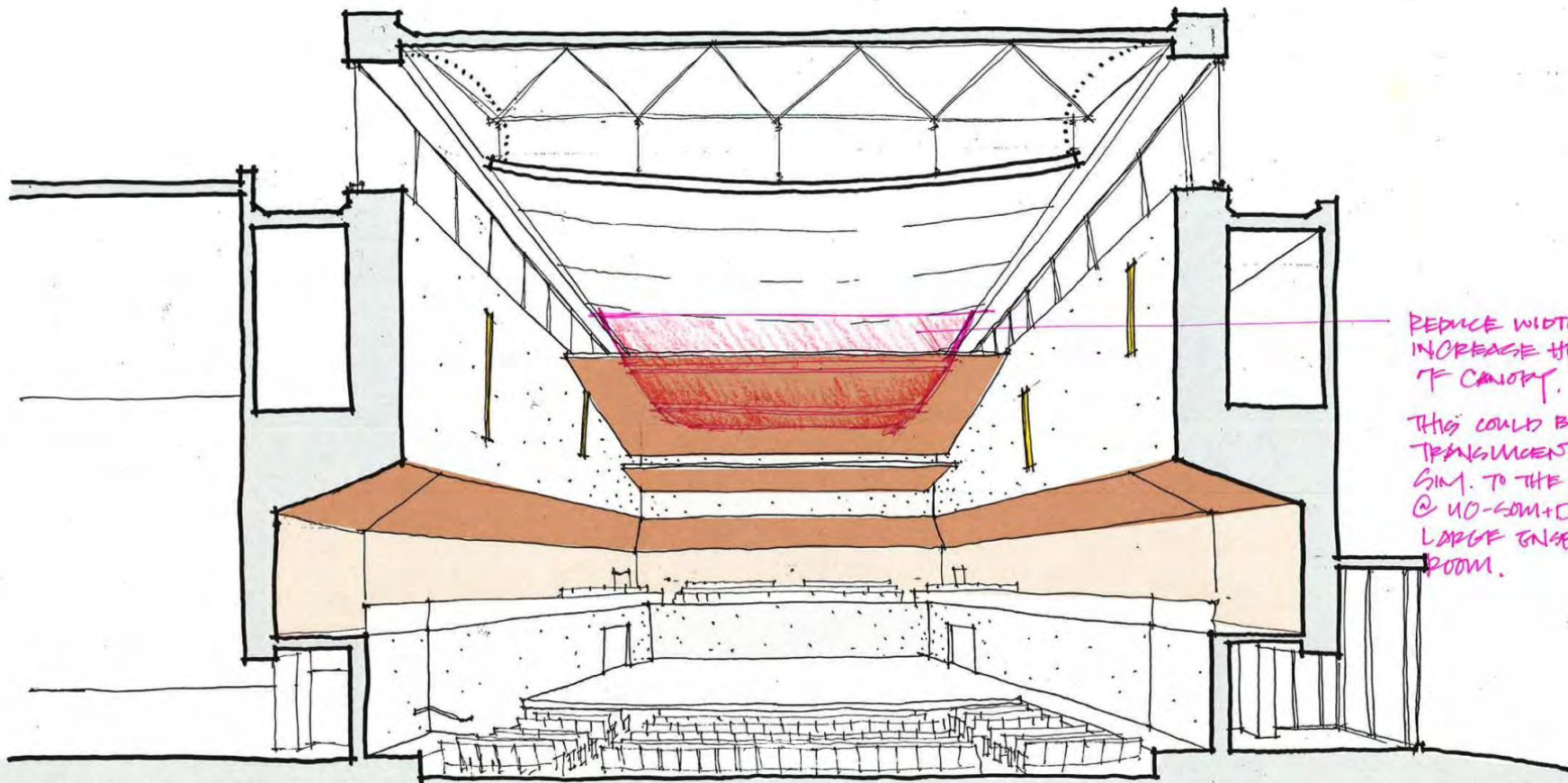
EXTEND NICHE FURTHER SOUTH.

OVERHANG IS BIGGER THAN EXPECTED.

DISPLACEMENT VENTILATION IMPACT LOBBY HEIGHT.

KA COMMENTS  
NO EMU CONCERT HALL  
120220.





REDUCE WIDTH &  
INCREASE HEIGHT  
OF CANOPY.

THIS COULD BE A  
TRANSPARENT FABRIC  
SIM. TO THE SAILS  
@ UO-GOM+D'S  
LARGE ENSEMBLE  
ROOM.

K& COMMENTS  
UO-GOM+D CONCERT HALL  
12 02 20





# FEEDBACK / PREFERRED DIRECTION

# NEXT STEPS



# University of Oregon

Erb Memorial Union Expansion & Renovation

# THANK YOU!

Next User Group Meeting:  
TBD

SERA Architects in association with AC Martin  
March 5, 2012





