

INTEGRATED DESIGN WORKSHOP

MILLCREEK CITY HALL

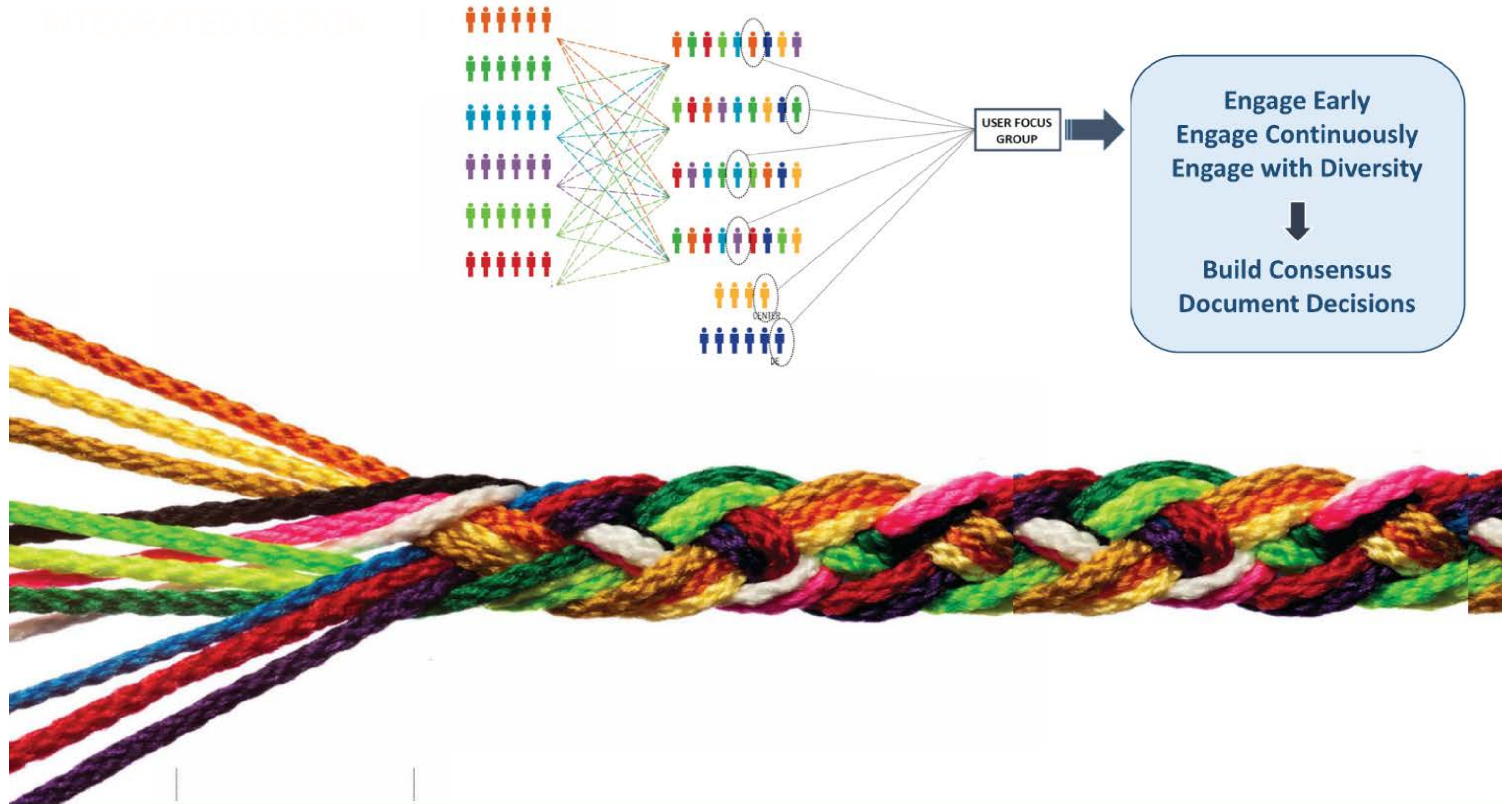


MT. OLYMPUS

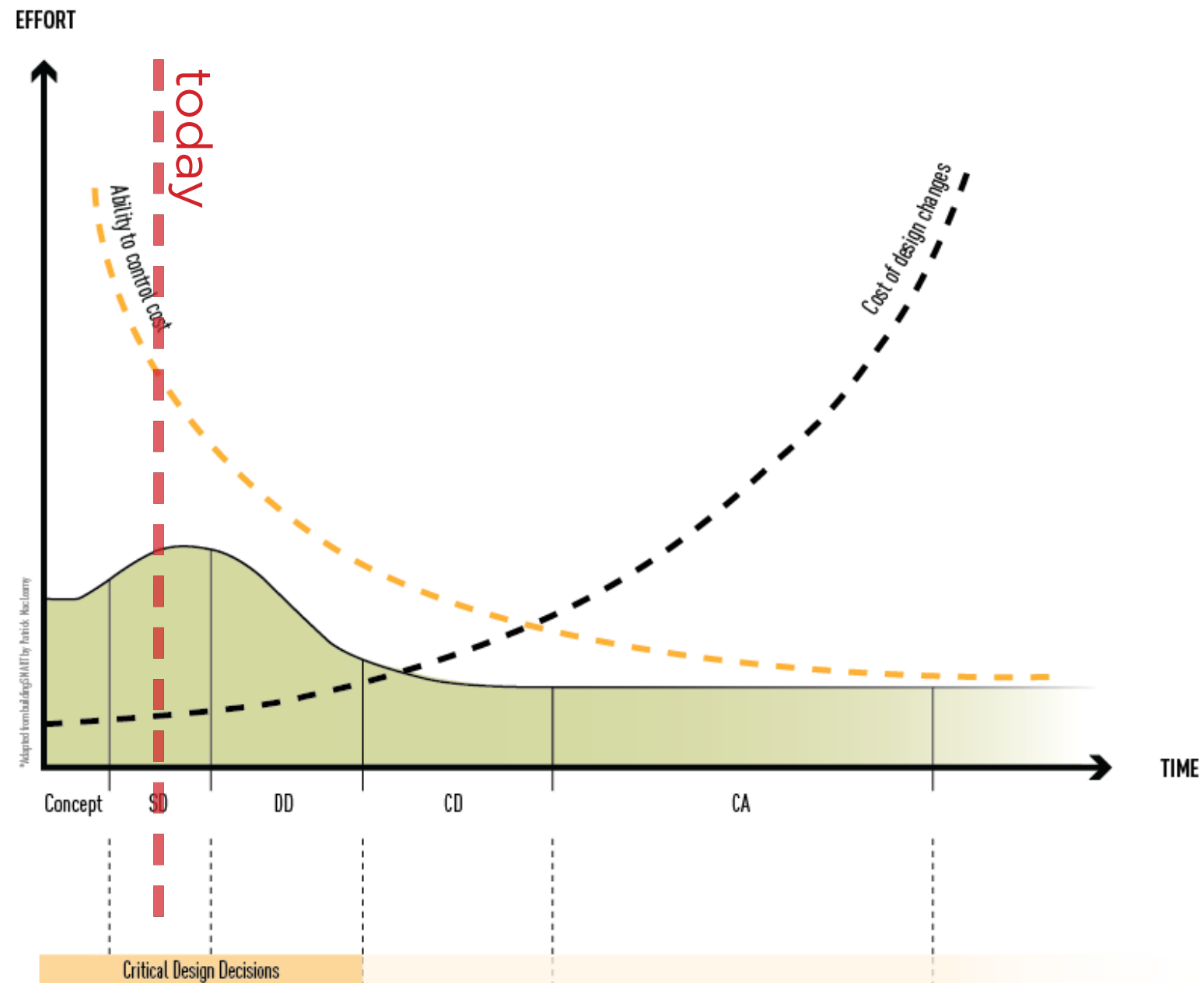
INTEGRATED DESIGN APPROACH



INTEGRATED DESIGN



INTEGRATED DESIGN



Everyone is together
Everything is on the table
Major directions defined early
Whole team is on the same page

How will we define success?

SCHEDULE

10:00am	WELCOME + WORKSHOP INTRO	30 MIN
10:30am	CONNECTED BY NATURE + WELL-BEING - Breakouts	30 MIN
11:15am	GROUND FLOOR EXPERIENCE - Visual Listening Activity	60 MIN
12:00pm	LUNCH	60 MIN
1:00pm	SUSTAINABLE BUILDING SYSTEMS Focus Groups [Passive Architectural + Structural Systems, Mechanical Systems, Electrical Systems] + [Design Update]	105 MIN
2:45pm	WRAP UP	15 MIN

THE PURPOSE OF TODAY

- Establish consensus and get direction about specific sustainability goals
- Explore possibilities, and collectively brainstorm solutions for systems and key parts of the project.

KEY PROJECT DRIVERS

INVITING AND WELCOMING COMMUNITY RESOURCE

1

The Millcreek City Hall will be a welcoming and inviting resource for the community by providing space that supports the civic engagement of constituents and visitors.

LEVERAGE PRIVATE PARTNERSHIPS TO CREATE A VIBRANT GROUND FLOOR

2

As an anchor within the new Millcreek Common, the goals of the Millcreek City Hall Building will be achieved through collaboration with public and private entities.

EMBRACE BEING CONNECTED BY NATURE

3

Shaped by natural light and views, the new Millcreek City Hall will encourage active movement throughout the building as well as Millcreek Common, embracing the abundant opportunities for outdoor recreation and being connected by nature.

ENHANCE AND SUPPORT THE LOCAL ARTS AND BUSINESS COMMUNITIES

4

As a beacon for the community, the Millcreek City Hall will enhance and support the vibrancy of the community by facilitating activities and gatherings that showcase local artists and entrepreneurs.

WOVEN INTO THE FABRIC OF MILLCREEK COMMON

5

Millcreek City Hall is embedded within a dynamic zone of activity, woven into the fabric of Millcreek Common, surrounded by a variety of compatible businesses including shopping, dining, and entertainment options.

ENHANCE POLICE- COMMUNITY RELATIONSHIPS

6

Millcreek City Hall will be co-located, visible partners with Police, actively connecting with neighbors, promoting public safety through community-focused policing.

PROGRAMMING APPROACH



+

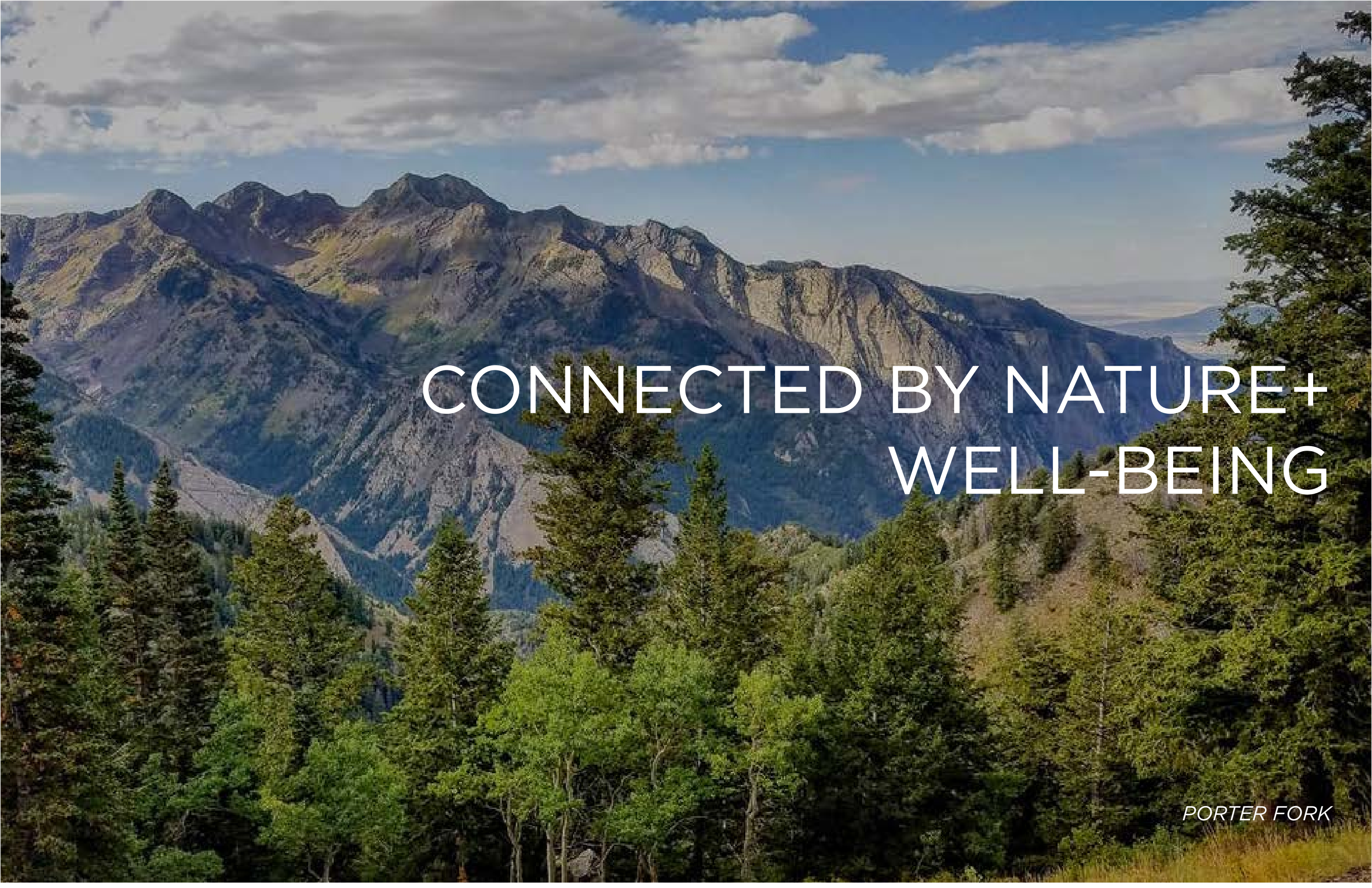


TEN CONCEPTS



- Performance-based system to measure the impact of the built environment on human health
- Holistic approach combines policy, design, and operations
- Developed through comprehensive expert peer review process including scientific, medical and building expert collaboration
- Verifies compliance through a data-driven performance review and on-site environmental assessment on-site

- Certifies that the building is truly operating as claimed, harnessing energy from the sun, wind or earth to produce net annual energy demand through a third-party audit of actual performance data
- One hundred percent of the building's energy needs on a net annual basis must be supplied by on-site renewable energy. No combustion is allowed (except emergency power)
- Certification is based on actual, not modeled, performance

A scenic landscape photograph featuring a dense forest of evergreen trees in the foreground. In the background, a rugged mountain range with several peaks is visible under a blue sky with scattered white clouds. The text "CONNECTED BY NATURE+ WELL-BEING" is overlaid in white, sans-serif capital letters across the middle of the image.

CONNECTED BY NATURE+ WELL-BEING

PORTER FORK



[GOVERNMENT](#) [DEPARTMENTS](#) [COMMUNITY](#) [BUSINESS RESOURCES](#) [HOW DO I...](#) [MEETING LIVE STREAM](#)



CONNECTED BY NATURE



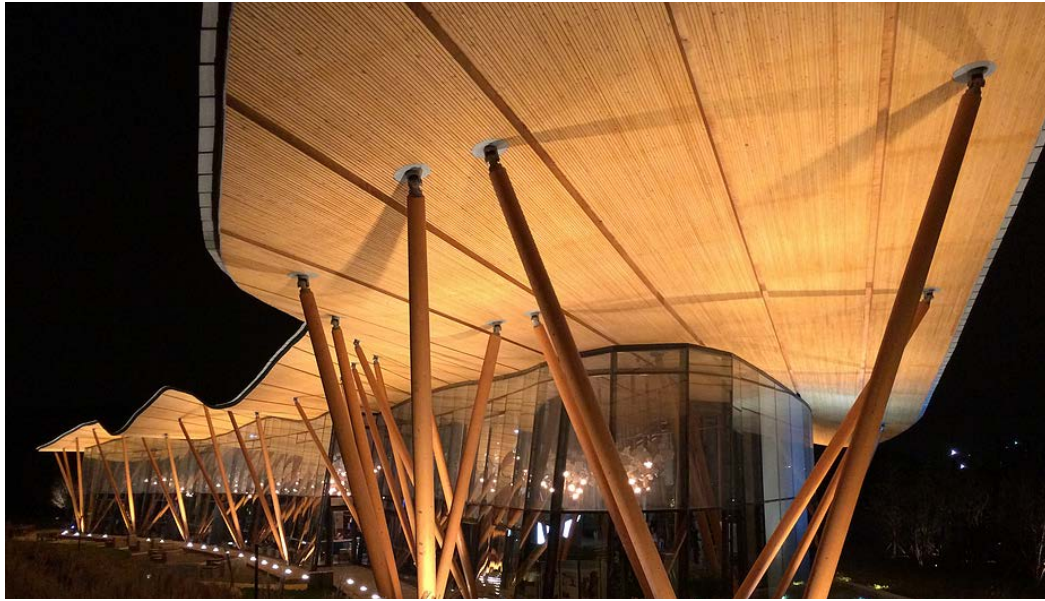
3330 South 1300 East

Millcreek, UT 84106

Phone: 801-214-2700

[Contact Us](#)

<https://millcreek.us/NextCenter.aspx?AQ=0&orQ=transition+PO>



ACTIVITY

Read the following prompts and jot down thoughts (a few words) on post-its

- What does “connected by nature” mean to you?
- In what ways can “connected by nature” be manifested in the building?
- How can daylighting contribute to occupant experience and energy savings?
- What does wellness mean to you?
- What makes an interior space pleasant to be in?
- In what ways would you like the building to be an example to the community?

ACTIVITY - BREAKOUTS

1. Get into small groups of 5-6 and share/discuss your thoughts.
2. Amongst your group, choose the top 3 insights that resonate.
3. Elect a representative from you group to share the top insights with the larger group.



GROUND FLOOR EXPERIENCE

MILLCREEK

television



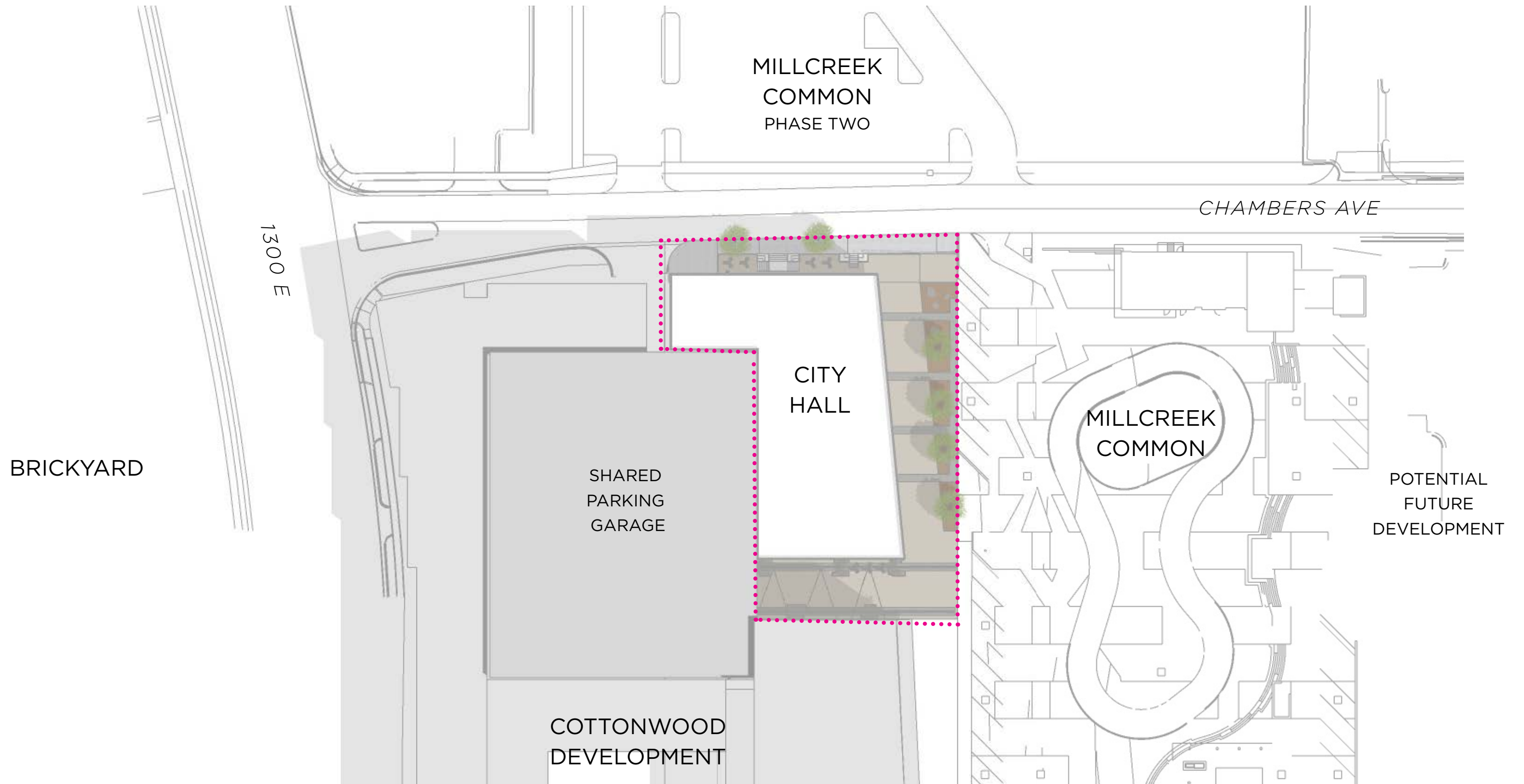
city hall renovation concept, skanska

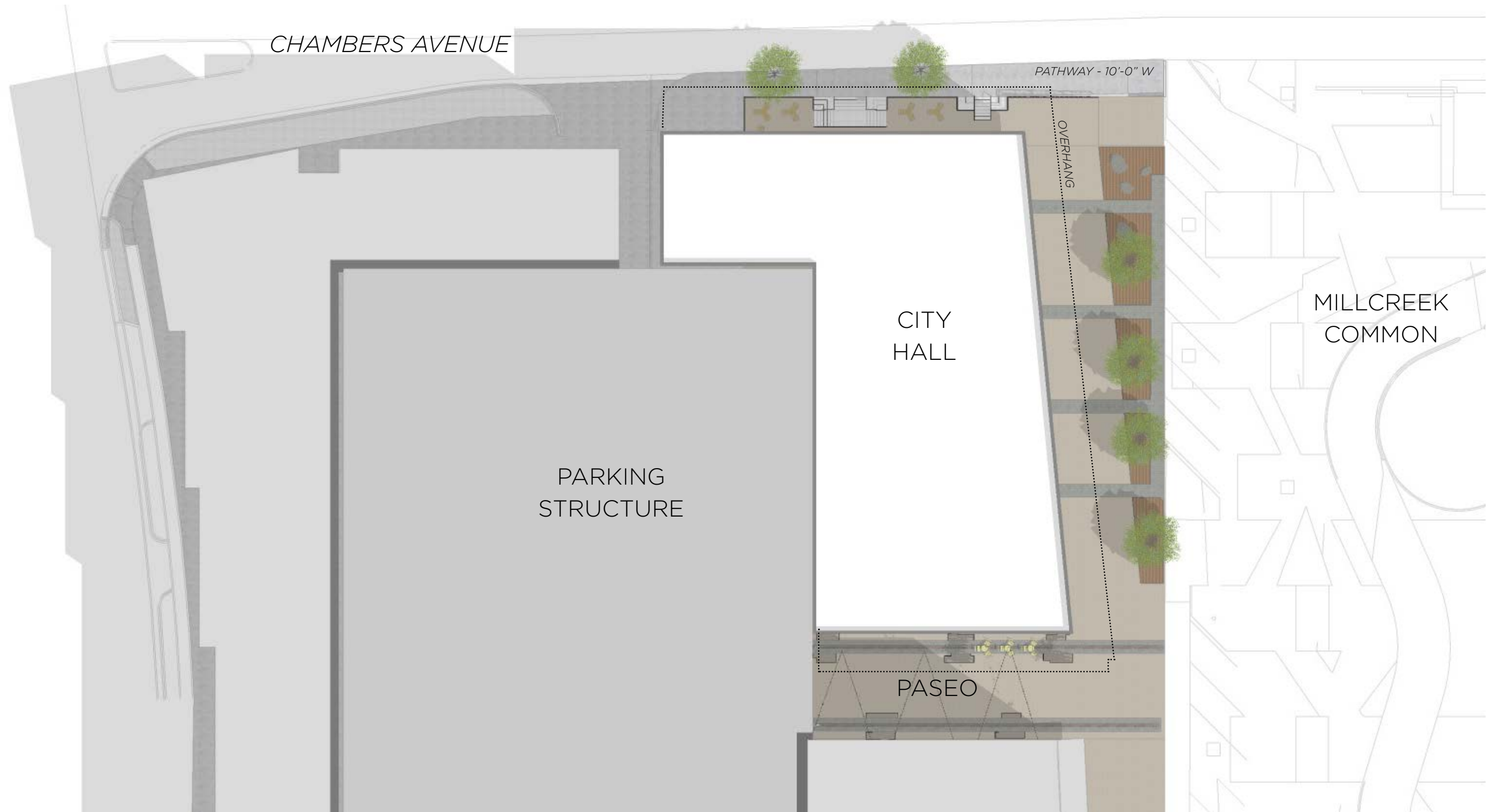


boston city hall renovation concept, skanska











NATIVE SEDGES



DECORATIVE TRENCH GRATE



FLAGSTONE CHIPS



BOULDER SEATING



ACCOLADE ELM



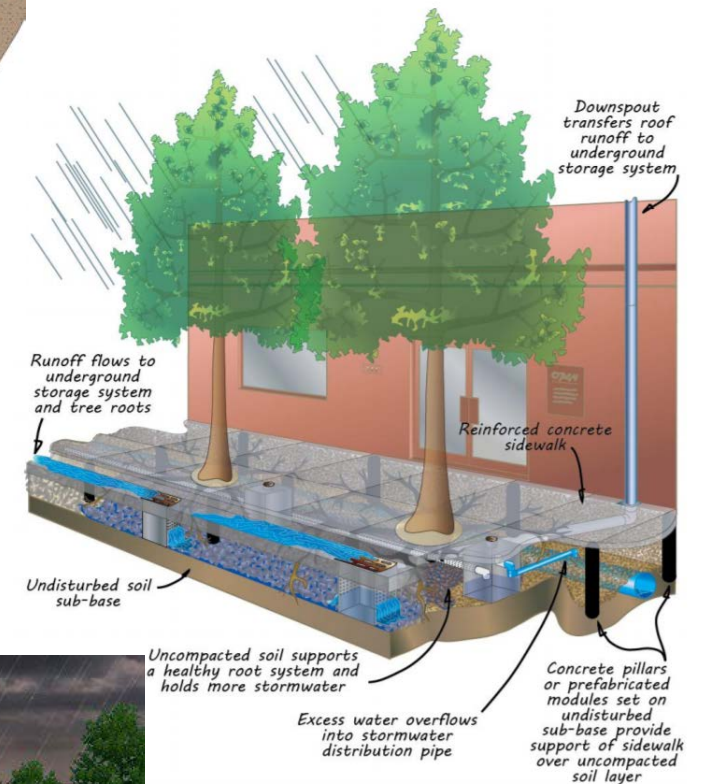
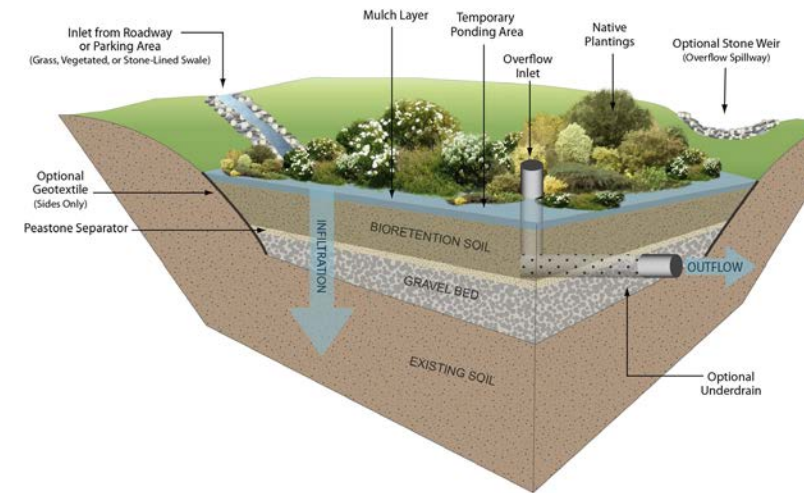
SUNSET MAPLE



STEPPED SEATING

SITE APPROACH

- **Baseline: Tree Box & Bioswale LID with Underdrain to the Storm Drain System in the Street**
 - Pros:
 - Water quality improved
 - Decreased detention required
 - Often less expensive upfront cost than adding infrastructure
 - Aesthetic appeal
 - Cons:
 - Maintenance requirements
 - Irrigation requirements for at least first year to establish plants
- **Enhanced: Underground retention/detention**
 - Pros:
 - Reduce stormwater pollutants
 - Leaves room on-site for development, good option if insufficient space for above ground retention/detention ponds
 - Cons:
 - Expensive upfront costs
 - Infiltration requires permeable soils
- **Aspirational: Permeable Pavers**
 - Pros:
 - Decreases conveyance infrastructure
 - Cons:
 - Expensive
 - Maintenance requirements
 - Snow removal issues



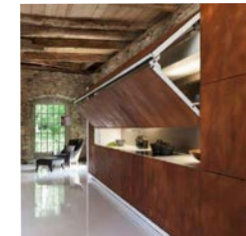
ACTIVITY

Read the following prompts and jot down thoughts (a few words) on post-its

- What is the lasting memory of Millcreek City Hall that you would like people to have?
- How can the experience of the ground floor reinforce a sense of community?
- What do you see? What do you hear? what kinds of activities are happening around you?
- What makes spaces welcoming?
- What brings people into the building?

ACTIVITY - Visual Listening

1. Get up and study the images on the boards. Identify images that best embody the look and feel of the ground floor experience you envision for the building.
2. Use sticky notes to write down what you like or don't like on an image.
3. As a group, discuss the reasons for selecting the images you chose.



ONE OF THESE TABLES
COULD ALSO FUNCTION
AS A DRY TEACHING
ISLAND

 BUILDING SUPPORT
 CIRCULATION
 COMMERCIAL
 POLICE

MILLCREEK CITY
MILLCREEK CITY HALL
PROJECT ADDRESS
PROJECT CITY, STATE AND ZIP

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SEAL

MHTN PROJECT NO. 2021535

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE.

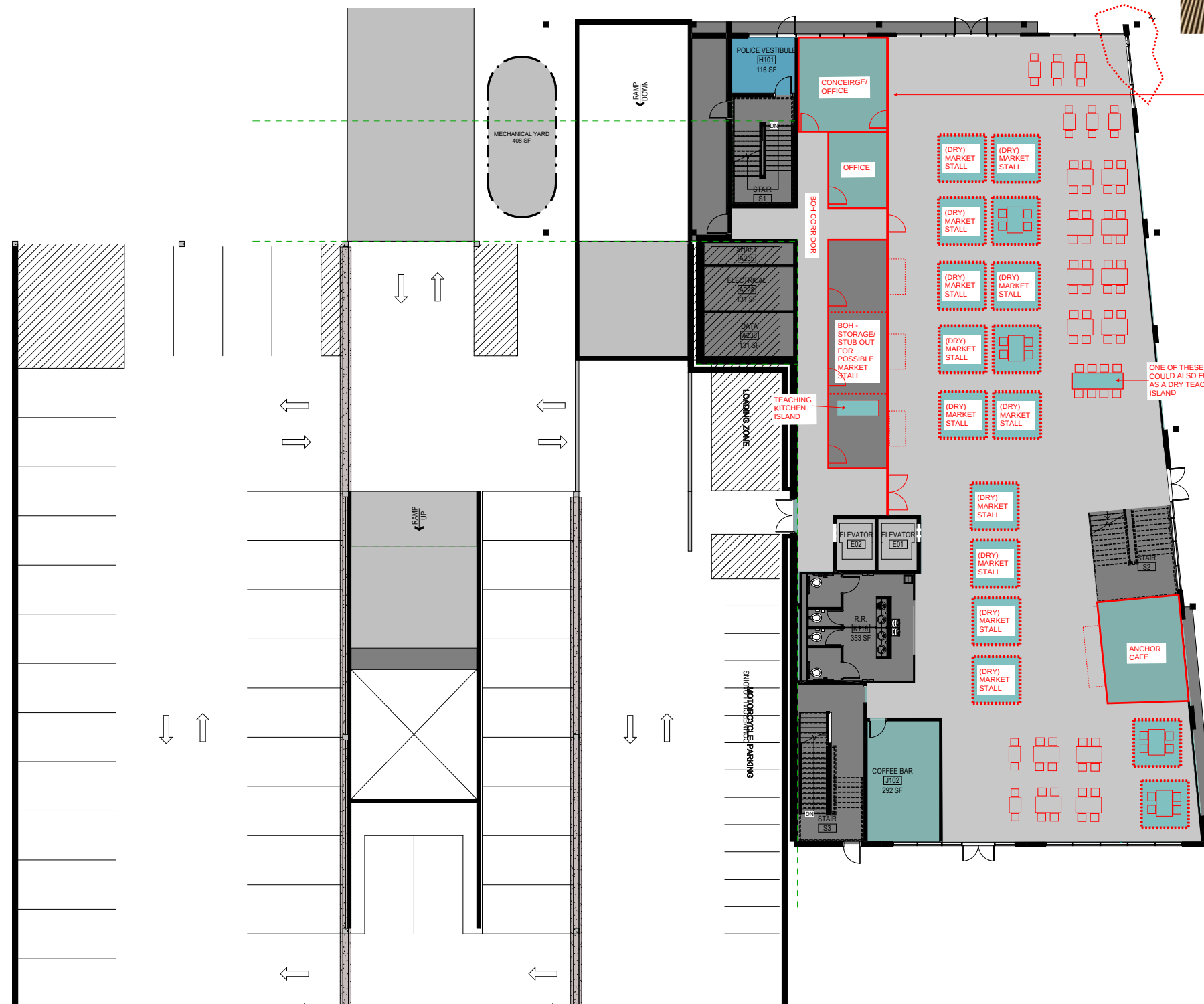
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ISSUE
STATUS
ISSUE DATE

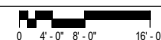
E SHEET NAME
GROUND LEVEL

SHEET NUMBER

G1B5

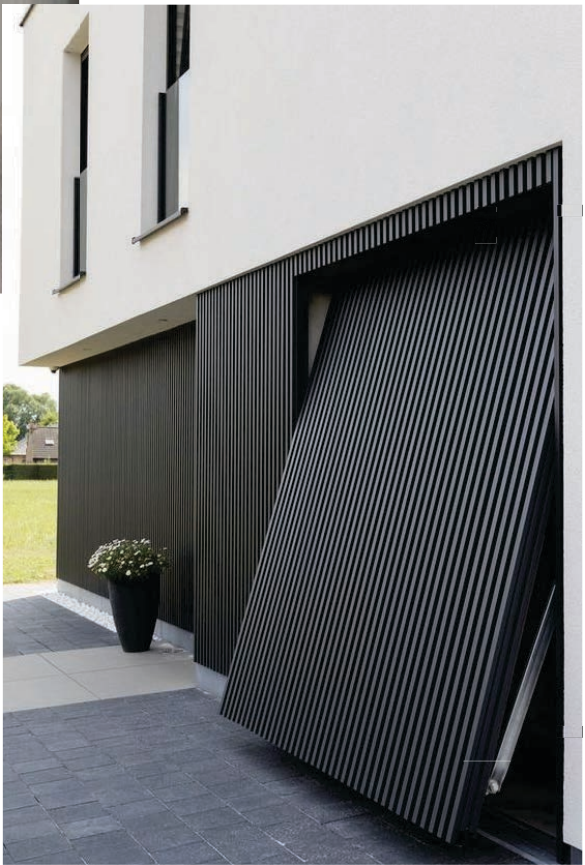


SCALE: 1/8" = 1'-0"



GROUND LEVEL - option A

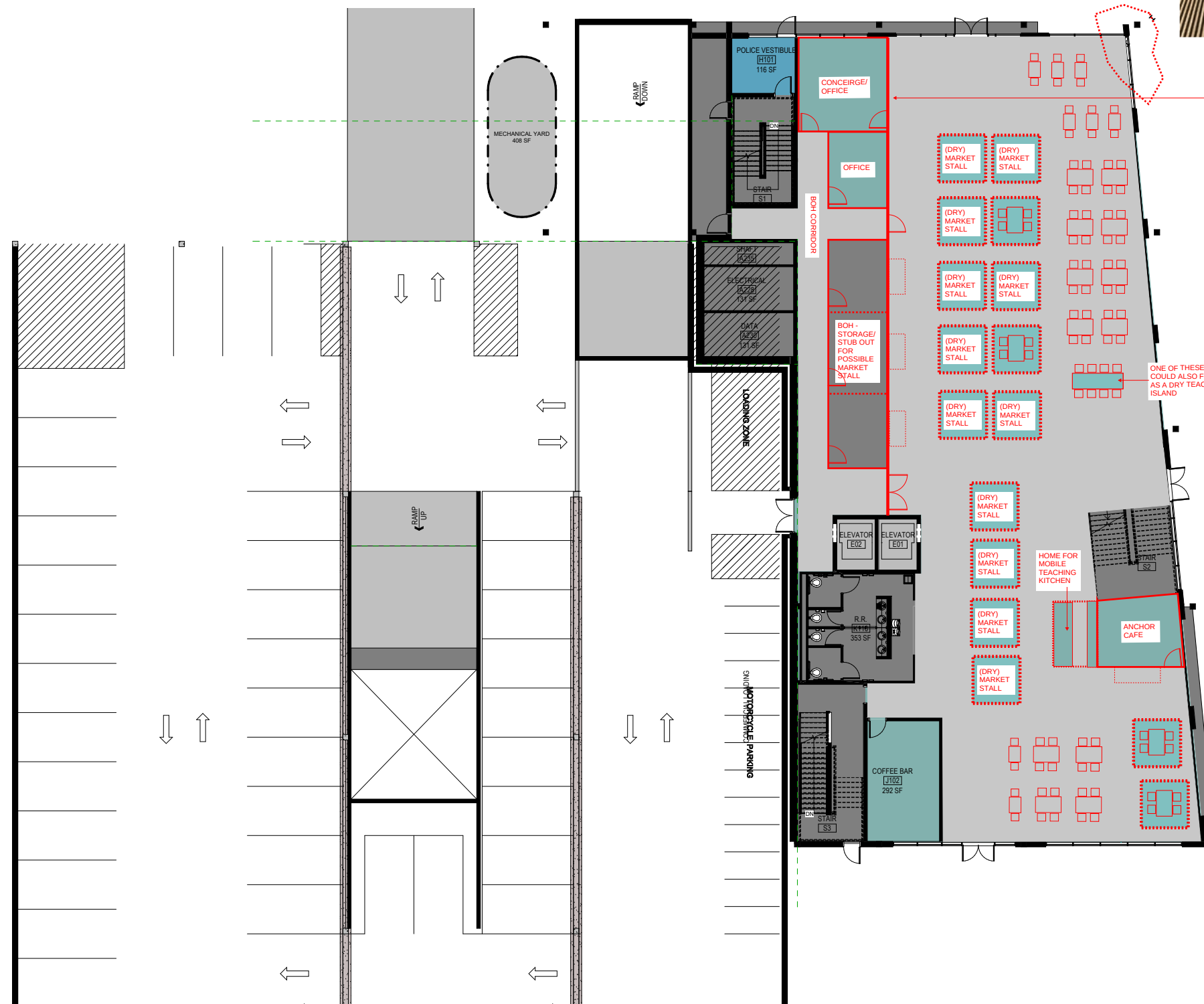
- hidden teaching kitchen, 3 anchors



MHTN
ARCHITECTS

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Salt Lake City, Utah 84101
Telephone (801) 595-0700
www.mhtn.com

WALL IS TREATED WITH PANELING
DESIGN/ TEXTURE ALLOWING
DOORS TO DISAPPEAR (DOORS LIFT
OR FOLD)



Department Legend

- BUILDING SUPPORT
- CIRCULATION
- COMMERCIAL
- POLICE

MILLCREEK CITY
MILLCREEK CITY HALL
PROJECT ADDRESS
PROJECT CITY, STATE AND ZIP

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MHTN PROJECT NO. 2021535

Original drawing is 30 x 42. Do not scale contents of this drawing.

[illegible]

ISSUE
STATUS
ISSUE DATE

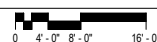
E SHEET NAME
GROUND LEVEL

SHEET NUMBER

G1B5

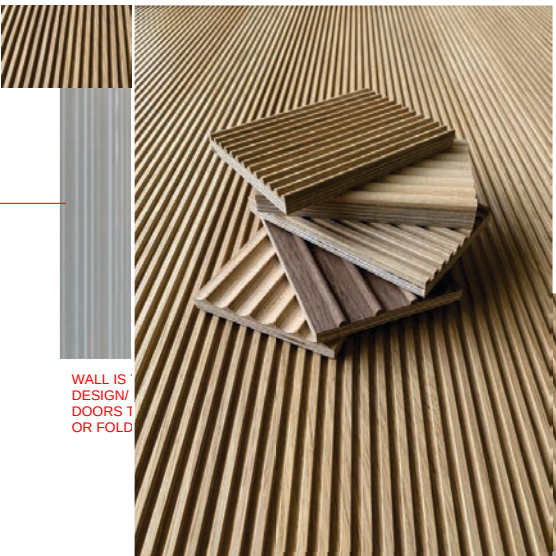
FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



GROUND LEVEL - option B

- integrated teaching kitchen, 3 anchors



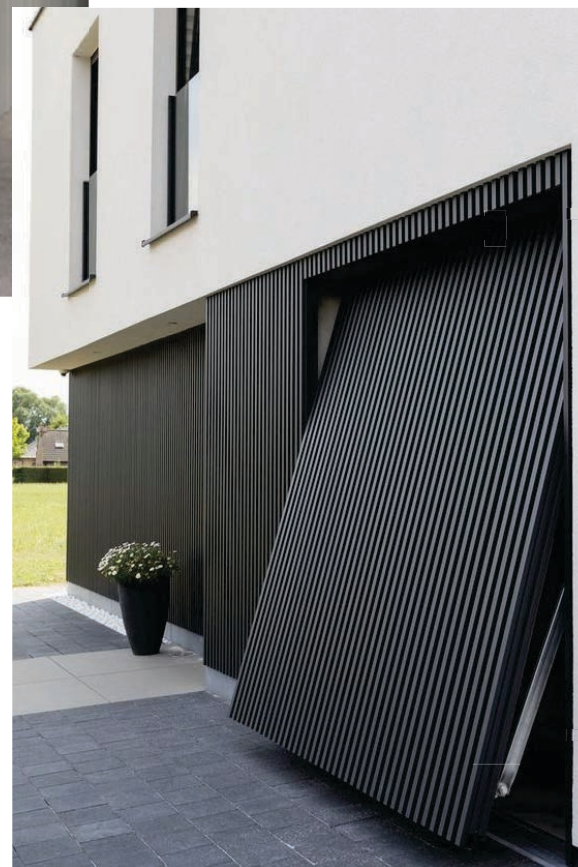
GROUND LEVEL - option C

- individual market stalls, 2 anchors



G1B5

GROUND LEVEL - option C



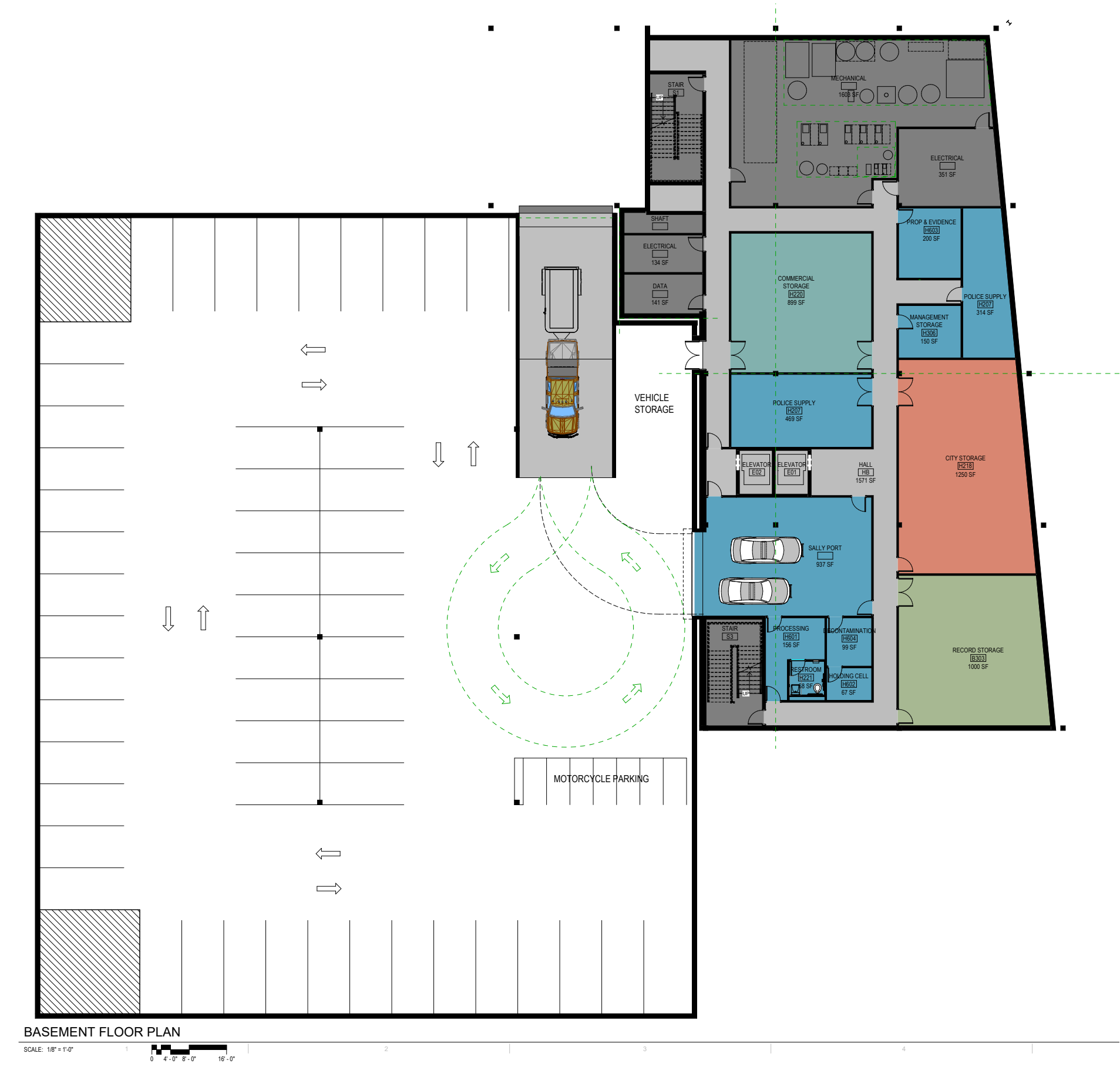
A scenic landscape photograph featuring a paved road that curves through a mountain valley. The road is marked with a double yellow line and a white edge line. A lone cyclist, wearing a helmet and dark clothing, is riding away from the viewer on the road. The surrounding hillsides are densely covered with trees displaying vibrant autumn foliage in shades of red, orange, and yellow. In the background, rugged, rocky mountain peaks are visible under a clear sky. The word "LUNCH" is superimposed in large, white, sans-serif capital letters in the center of the image.

LUNCH

A scenic mountain road with autumn foliage and a cyclist. The road is paved and curves through a valley. The surrounding hills are covered in trees with vibrant autumn foliage in shades of red, orange, and yellow. A cyclist is riding away from the viewer on the road. The sky is overcast.

DESIGN UPDATE

DESIGN UPDATE - Basement Level



DESIGN UPDATE - LEVEL 2

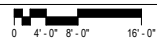


DESIGN UPDATE - LEVEL 3



THIRD FLOOR PLAN

SCALE: 1/8" = 1'-0"



Department Legend

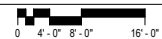
- BUILDING SUPPORT
- CIRCULATION
- POLICE

DESIGN UPDATE - LEVELS 4 & 5



FOURTH FLOOR PLAN

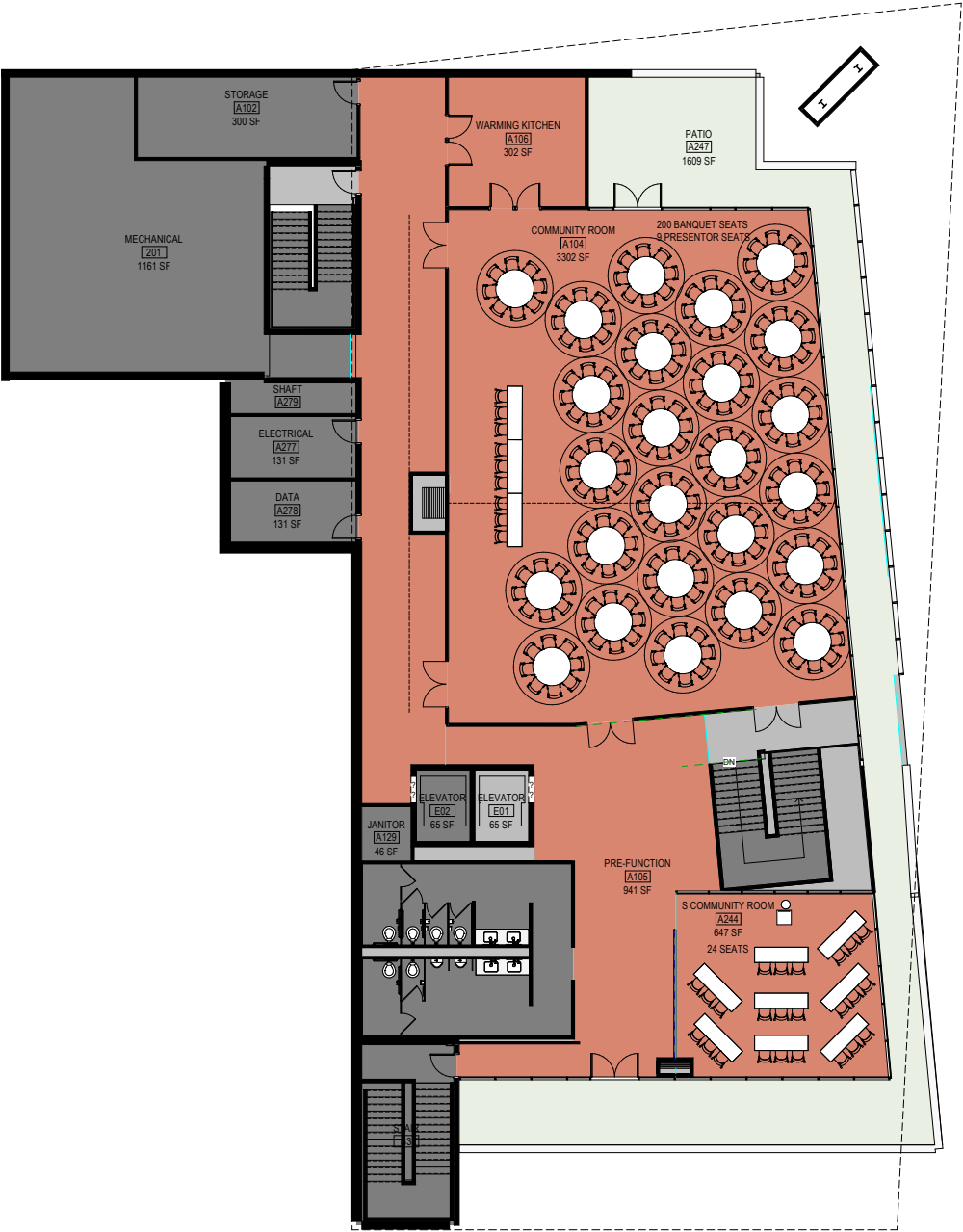
SCALE: 1/8" = 1'-0"



Department Legend

-  ADMINISTRATION
-  BUILDING SUPPORT
-  CIRCULATION
-  FUTURE OFFICE
-  PUBLIC SHARED

DESIGN UPDATE - ROOF LEVEL

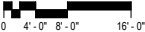


Department Legend

- BUILDING SUPPORT
- CIRCULATION
- PUBLIC SHARED
- ROOF PATIO

ROOF PLAN

SCALE: 1/8" = 1'-0"



SUSTAINABLE BUILDING SYSTEMS

A scenic mountain road with autumn foliage and a cyclist. The road is paved and curves through a valley. The surrounding hills are covered in trees with vibrant autumn colors, including reds, oranges, yellows, and greens. In the background, more mountains are visible under a clear sky. A person is riding a bicycle on the road, moving away from the viewer. The overall atmosphere is peaceful and natural.

FOCUS GROUPS

1. Architectural passive systems + structural systems

2. Mechanical Systems

3. Energy Systems

FOCUS GROUP FORMAT

15-20 min Presentation

~60 min Focus Group Discussion

~30 min Present breakout highlights to everyone

ACTIVITY - Focus Group Discussions

1. Select a focus group and deep dive into the topic with an engineer, designer, and contractor.
2. In the focus groups, after brief presentation, discuss the merits of the systems and their applicability to Millcreek City Hall.
3. Choose the most relevant items you feel would be critical to implement in the new building and share with the larger group.



THANK YOU