

# THE 203

## Design Approval

4/6/2021



# RECENT UPDATES & PLAN FOR TONIGHT

## November 10, 2020

Approval of schematic design  
Receipt of pricing

## January 12, 2021

Town Council review of principal design elements

## March 2021

Advisory board review in early March (EAB, PB, AC, Arts Committee, RPC, TAB, SWAC, ESC)

March 16 - 203 Project construction manager, Victor Stephenson (Barnhill Contracting) met with Carrboro Business Alliance (CBA) Leadership Council to discuss plan to reduce negative impacts on local business during the construction process and provide opportunity to express concerns and pose questions/suggestions.

## Tonight –April 6, 2021

Public hearing and design update

## What's Next?

Additional Public Hearing – May 11, 2021

# Recent Outreach Strategies

- Neighborhood signs
- Digital message boards
- Flyers
- Mailed notices
- Social media
- Survey completed and renderings displayed at site

# SEEKING DESIGN APPROVAL:

~~PROGRAM~~

~~CONCEPT~~

~~PLAN~~

~~MASSING~~

~~INTERIOR PUBLIC SPACES~~

EXTERIOR FINISHES

INTERIOR FINISHES

SITE PLAN

(BUILDING SYSTEMS)

# **PUBLIC ENGAGEMENT**

<b>September 15<sup>th</sup>:</b>	Town Council Update
<b>September 24<sup>th</sup>:</b>	Public Engagement (virtual)
<b>September 26<sup>th</sup>:</b>	Public Engagement (virtual)
<b>October 8<sup>th</sup>:</b>	Rec + Parks Drop-In Meeting
<b>October 13<sup>th</sup>:</b>	Town Council Public Hearing
<b>October 16<sup>th</sup>:</b>	OC Skills Development Stakeholder Info Presentation
<b>October 30<sup>th</sup>:</b>	Rec + Parks Drop-In Meeting
<b>November 10<sup>th</sup>:</b>	Town Council Update - Schematic Design
<b>November 19<sup>th</sup>:</b>	Drop-In With Designers (virtual)
<b>November 21<sup>st</sup>:</b>	Drop-In With Designers (physical)
<b>January 12<sup>th</sup>:</b>	Town Council Update
<b>March 4<sup>th</sup>:</b>	Joint Review Board
<b>March 8<sup>th</sup>:</b>	Rec + Parks Commission
<b>March 10<sup>th</sup>:</b>	Arts Committee
<b>March 11<sup>th</sup>:</b>	Stormwater Advisory
<b>April 6<sup>th</sup>:</b>	Design Development Approval

**BUILDING EXTERIOR**



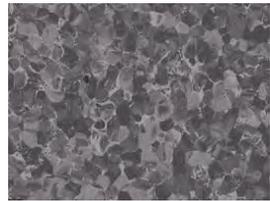
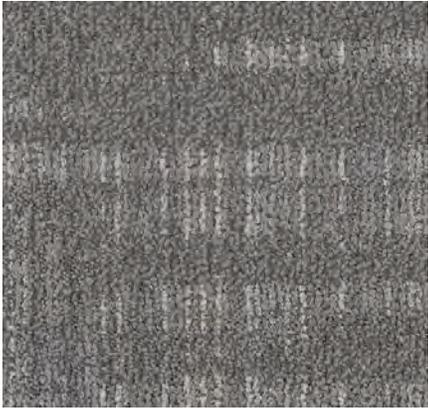
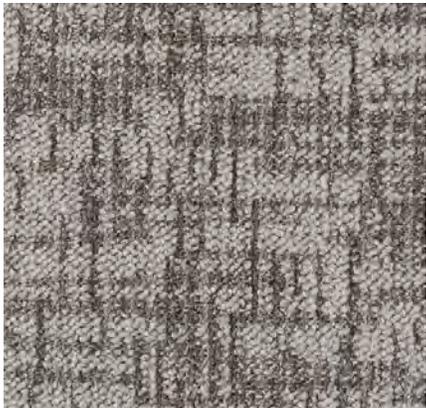
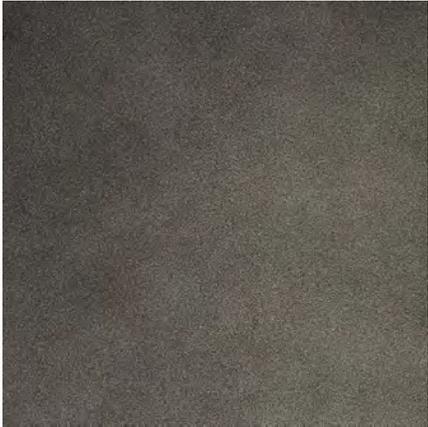
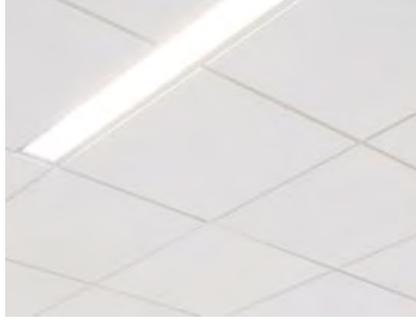


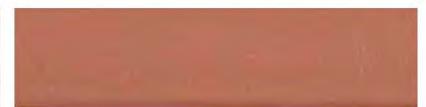
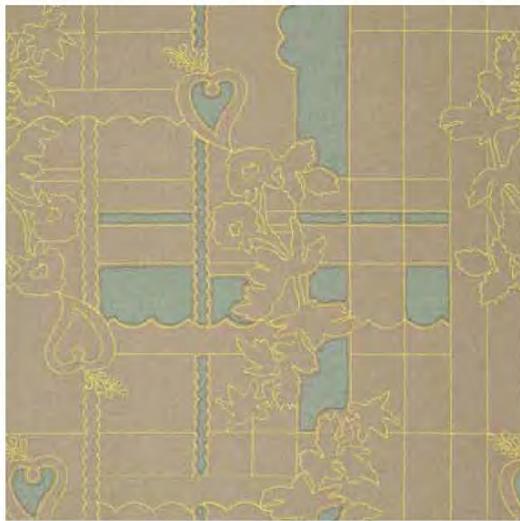
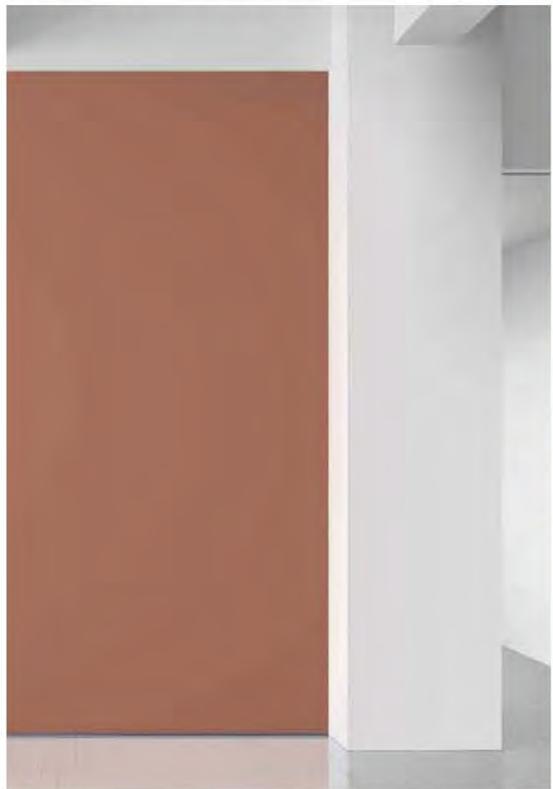
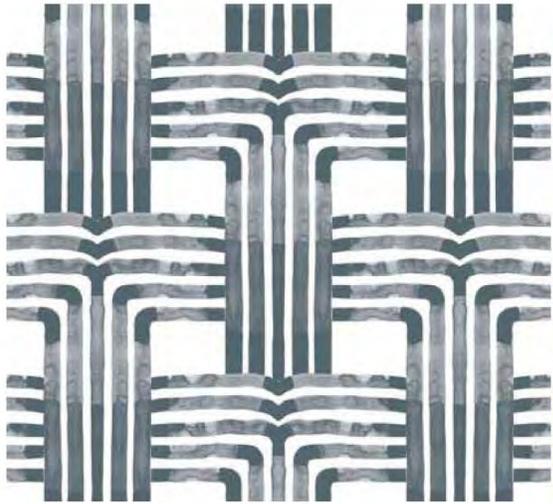
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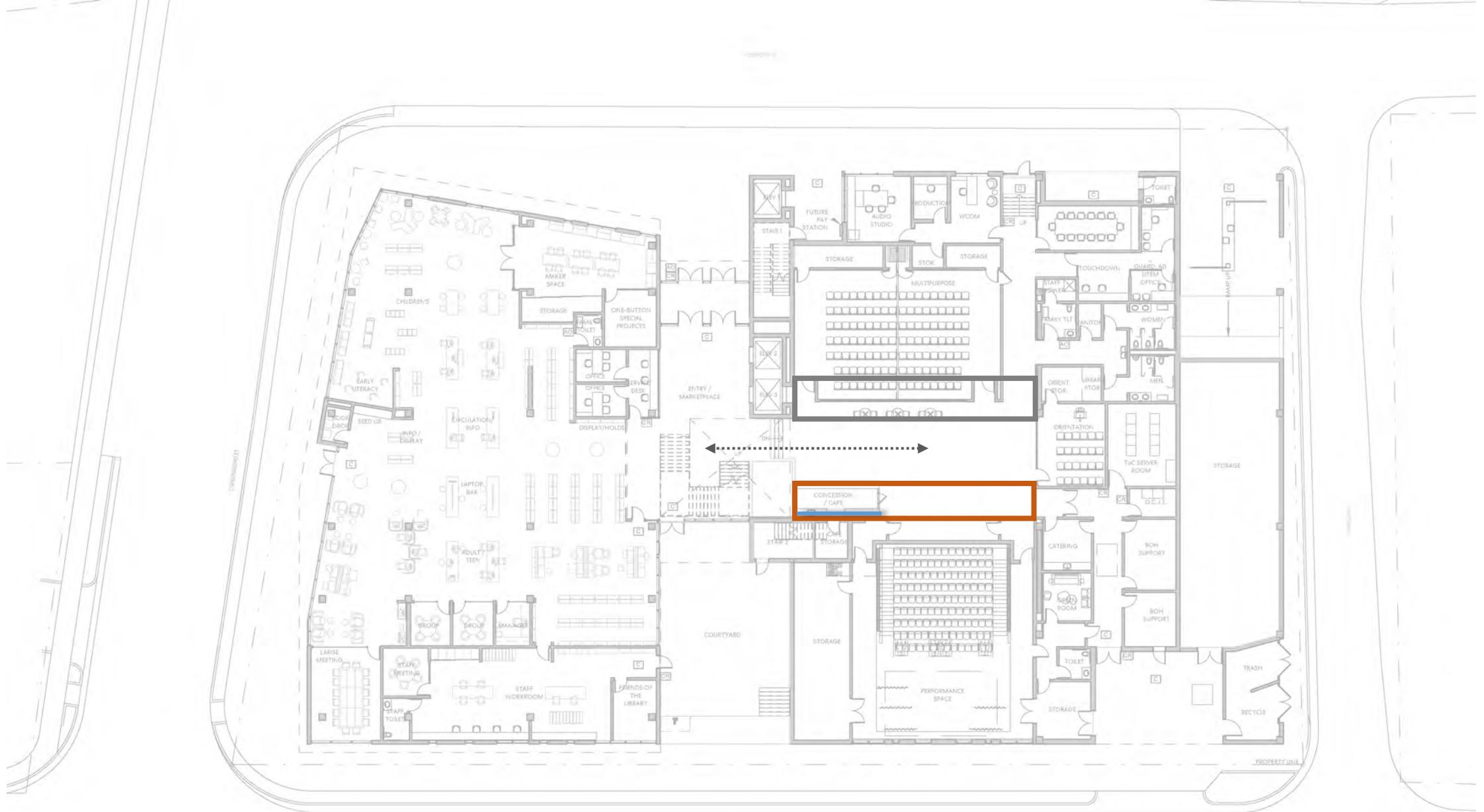


# **INTERIOR FINISH & MATERIALS**









# MULTI-PURPOSE ROOM





"Good, Unique Content" Needs to Be  
(and what should replace it)

- What changed?
- Our appearance became  
is much bigger part of  
marketing elements
- Emerging tech enabled  
tech building and is  
more important of what  
"good content" means
- The rise of social  
marketing enabled much  
more complexity
- What expectations have  
changed as content creation  
has become a much more  
delightful experience
- How do we create "good" content?
- Be it shorter or longer, create  
the best "content" for the  
audience
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audience



"Good, Unique Content" leads to De  
(and what should replace it)

What changed?

- Our experience became a much bigger part of marketing elements
- Stronger links between lead building and a more integrated set of marketing "pieces"
- More emphasis on how our content resonates with our target audience

How do we move "off" lead?

- Lead building and a more integrated set of marketing "pieces"
- More emphasis on how our content resonates with our target audience

Key metrics to track:

- Engagement
- Conversion
- Retention
- Churn
- Customer Lifetime Value



"Good, Unique Content" Needs to Be  
(and what should replace it)

What changed?

- Our experience because it's much bigger part of marketing elements
- Existing tools needed but designed and a more important of work more complex content
- Our experience has been more complex content but more focused on delight customers

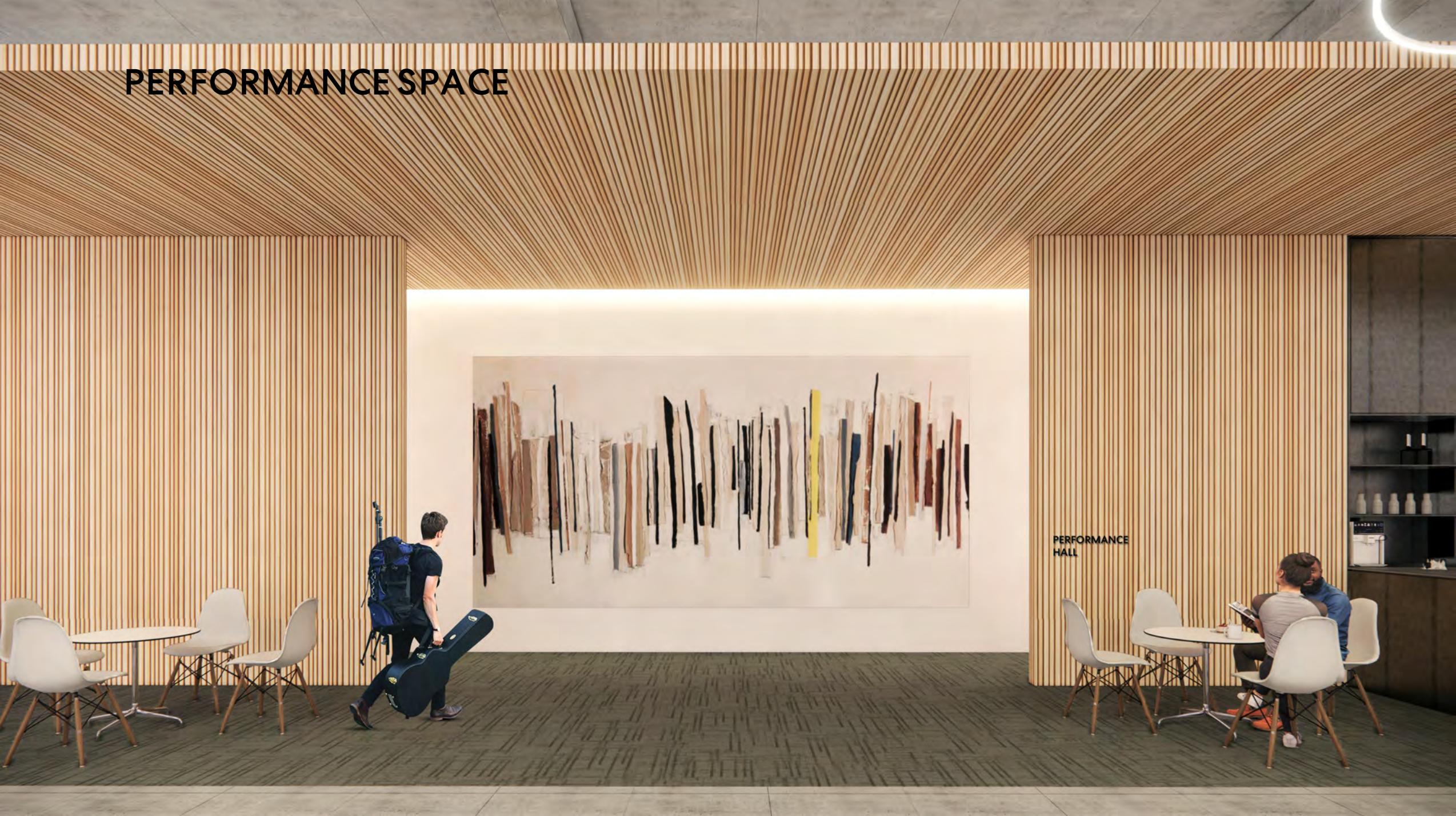
How do we create "good" content?

- Can be the only
- Be it shorter or longer, it's the best "content" for the audience
- It's not the length or the type of content that matters
- It's the quality of the content that matters

How do we create "good" content?

- Content should be relevant
- Content should be useful
- Content should be engaging
- Content should be shareable
- Content should be actionable

# PERFORMANCE SPACE



PERFORMANCE  
HALL













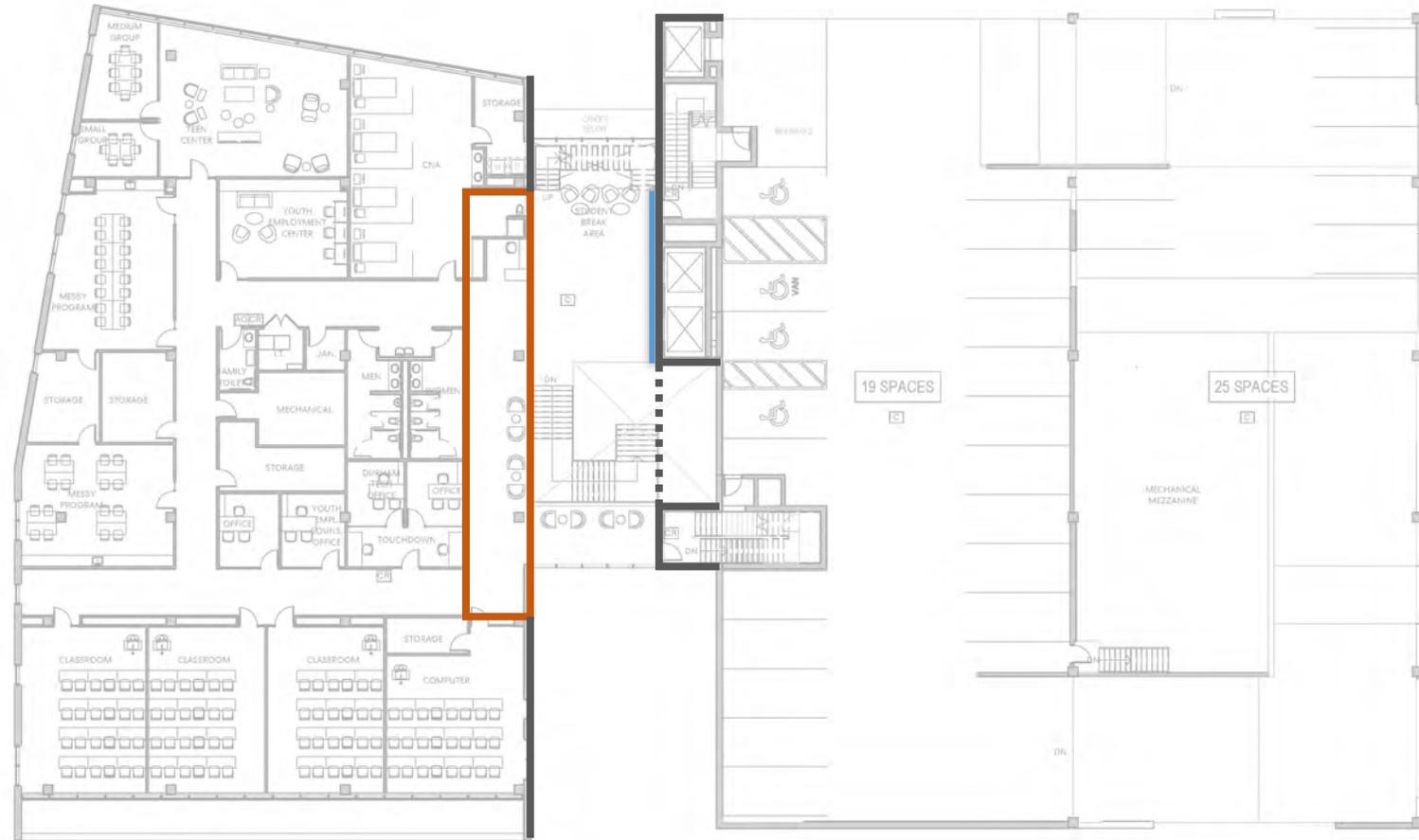






### SEED LIBRARY

The first contemporary seed library was created in 1999 at the Berkeley Ecology Center; it was called the Bay Area Seed Interchange Library (BASIL). The first seed library to be established in a public library was at the Gardiner Public Library in Gardiner, New York, and was developed by Ken Greene in 2004. Since then, the number of seed libraries has grown to over 400 across the globe, with most being established in the United States.







ASK  
ME!



THE  
2015

# OC SKILLS DEVELOPMENT CLASSROOMS



The content quality scale

Quality

10X

As good as the best in the SERP

Good, unique content

4/5 searches click "back"

Pandora Invasion

Effort

Finest! Make the internet hate it

This is gonna take the weekend

There's no way to scale!

What Changed?

- Use responsive because it's much bigger and not ranking elements
- Ensuring the content is not too long and is more impossible to rank "good, unique" content
- The size of content marketing enabled much more competition
- Use responsive because it's easier to rank and not too long and is more impossible to rank "good, unique" content

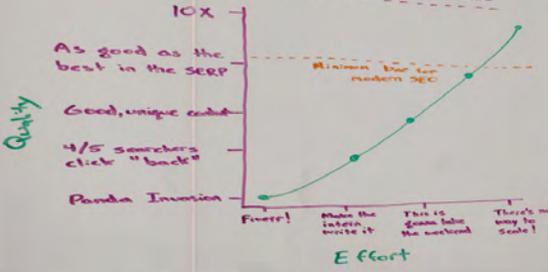
How do we rank "good" content?

- Content is good
- Content is unique
- Content is relevant
- Content is useful
- Content is engaging
- Content is shareable
- Content is easy to read
- Content is easy to understand
- Content is easy to navigate
- Content is easy to search
- Content is easy to find
- Content is easy to access
- Content is easy to use
- Content is easy to interact with
- Content is easy to share
- Content is easy to link to
- Content is easy to embed
- Content is easy to integrate
- Content is easy to customize
- Content is easy to update
- Content is easy to delete
- Content is easy to restore
- Content is easy to backup
- Content is easy to recover
- Content is easy to migrate
- Content is easy to move
- Content is easy to copy
- Content is easy to paste
- Content is easy to print
- Content is easy to download
- Content is easy to upload
- Content is easy to share
- Content is easy to link
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- Content is easy to paste
- Content is easy to print
- Content is easy to download
- Content is easy to upload



# Why "Good, Unique Content" Needs to Die (and what should replace it)

## The content quality scale



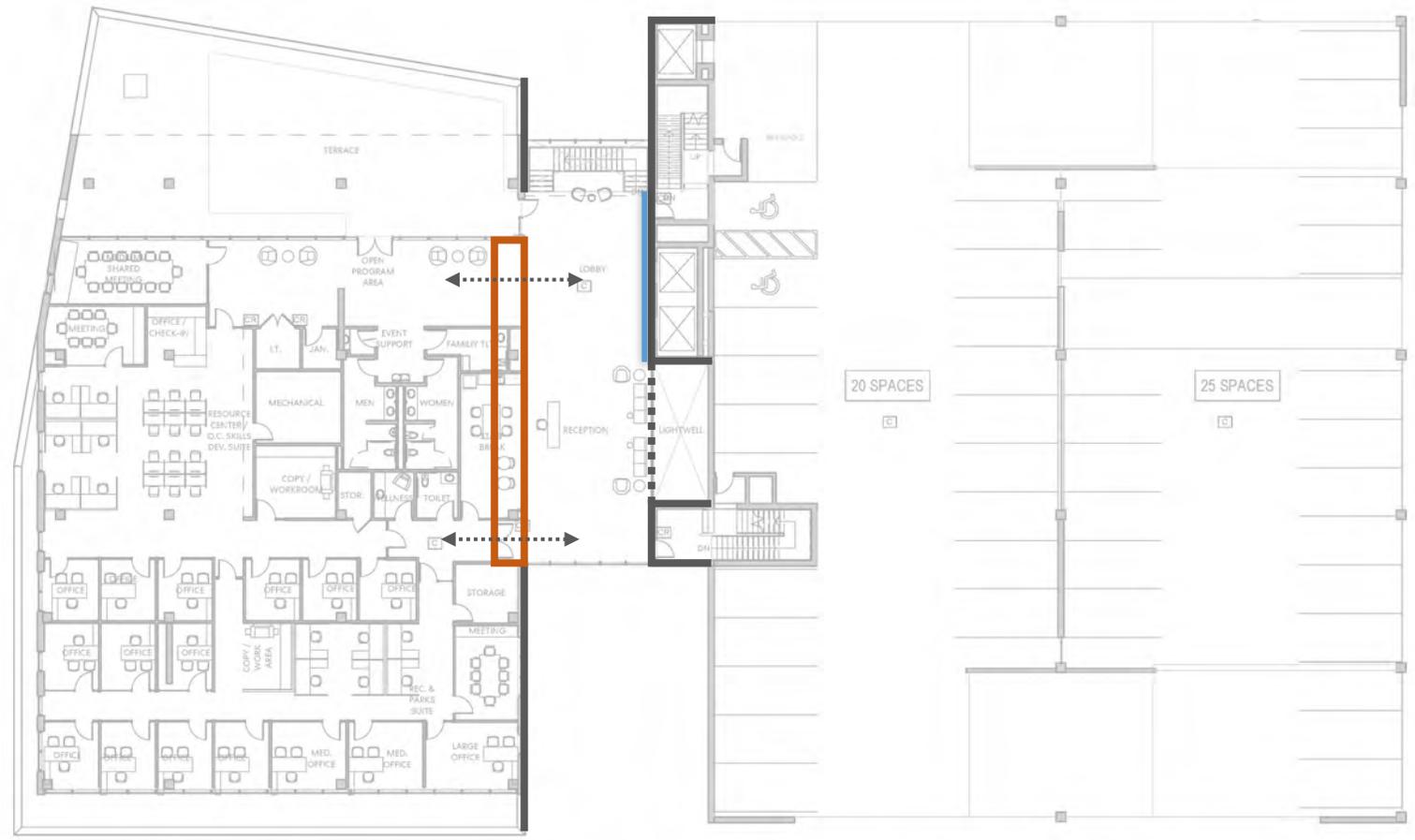
### What changed?

- △ User experience became a much bigger part of ranking elements
- △ Earning links overbuilt link building, and is more impossible to gain "good, unique" content
- △ The rise of content marketing created much more competition
- △ User expectations have risen as content creators look over shoulders to delight audiences

### How do we create "10X" content?

- Create the Evergreen
- Top 10 Affordable for Links in Core Site
- The 10 Best Ever Links in Core Site
- Run an analysis of the content in the top 10 (not possibly the most socially sharing)
- Question Research
- U.S.
- Detail with thoroughness
- Use all 10
- Quality
- Informative
- Specific
- Main
- Answer?











# **SITE PLAN**

# BIORETENTION CELLS



# BIORETENTION CELLS

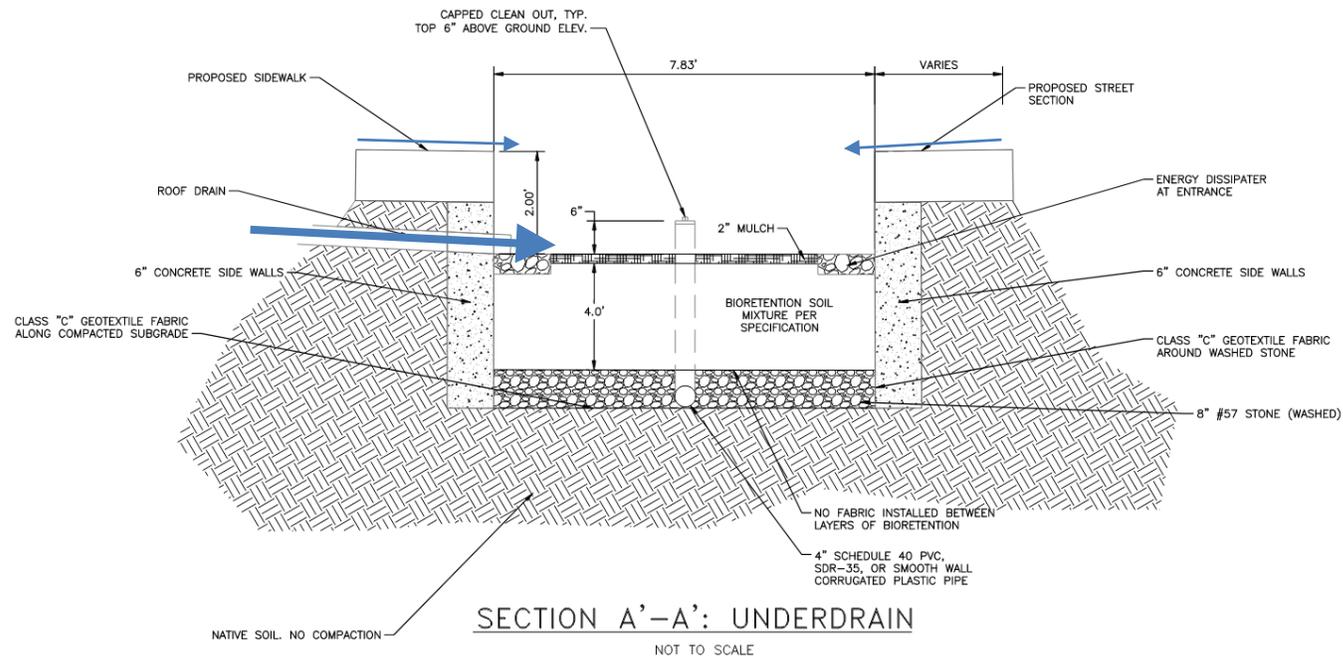






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# BIORETENTION CELLS



## **Cross Section at Inlet – The 203 Project**

- *Roof drainage piped in*
- *Street and plaza runoff captured*
- *Stormwater is contained, and infiltrates*
- *System is a visible, performative landscape*



## **Illustrative Cross Section Example**

Source: Philadelphia Green Streets Design Manual, 2014

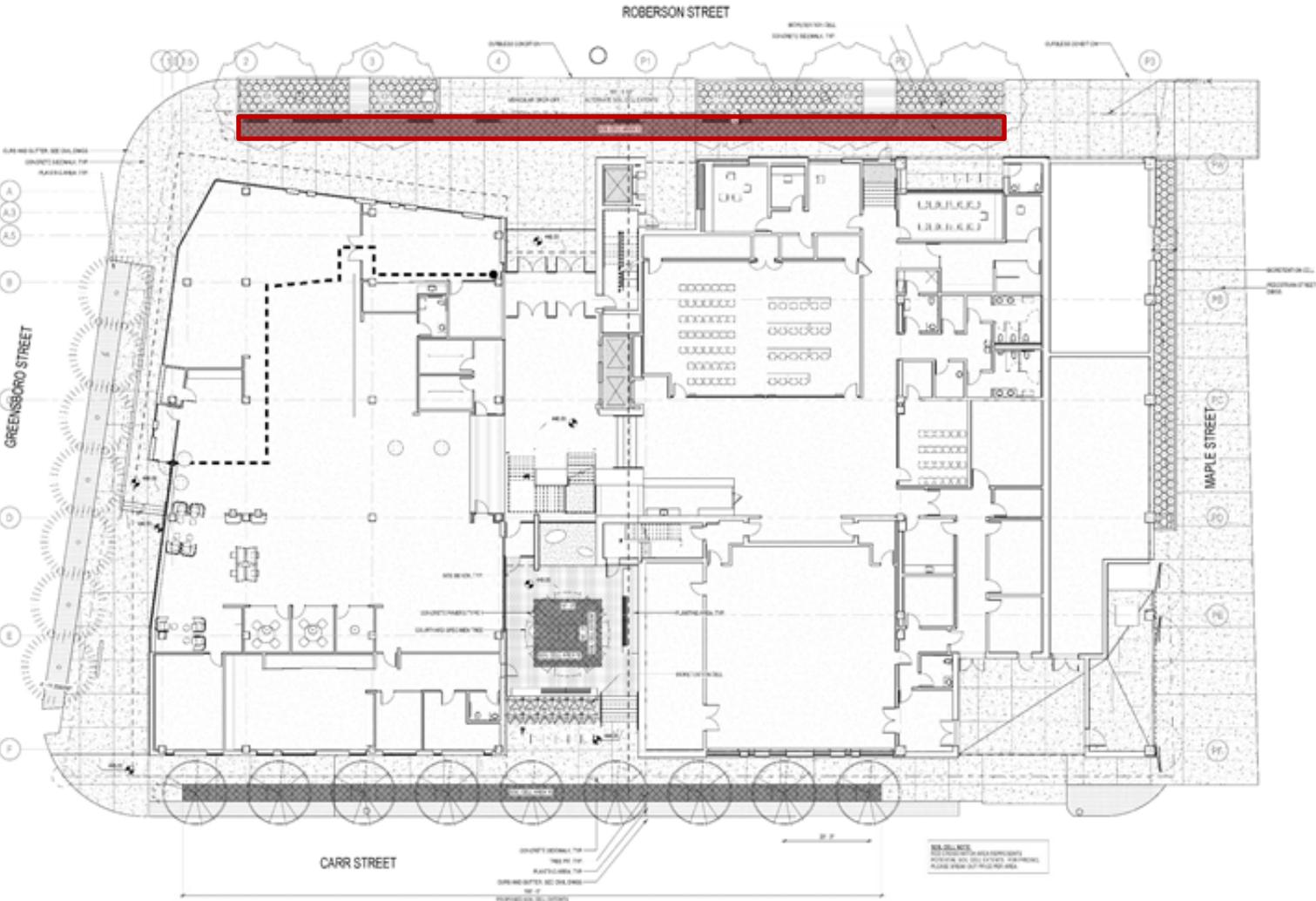
# STORMWATER PLANTERS



Precedent Imagery

- *Expand urban beautification*
- *Promote sustainability story and educational opportunities*
- *Develop urban habitat and ecological diversity*
- *Enhance landscape performance*

# SOIL CELLS STORMWATER DETENTION



**Green Blue Urban / Deep Root System: \$49,000**

**LANDSCAPE**

# SITE PLAN

*Native Mix Bioswale Planter:*  
*Gem Box Ilex Glabra; Juncus; Iris*  
*Virginica; Carex Lurida; Itea Virginica*

*Bald Cypress*  
*Deciduous Tree*  
4" Cal, Clear Trunk

*Beacon Swamp White Oak*  
*Deciduous Tree*  
4" Cal, Clear Trunk

*Pennsylvania Sedge*  
At-grade planting area

*Itea Virginica*  
Native Shrub

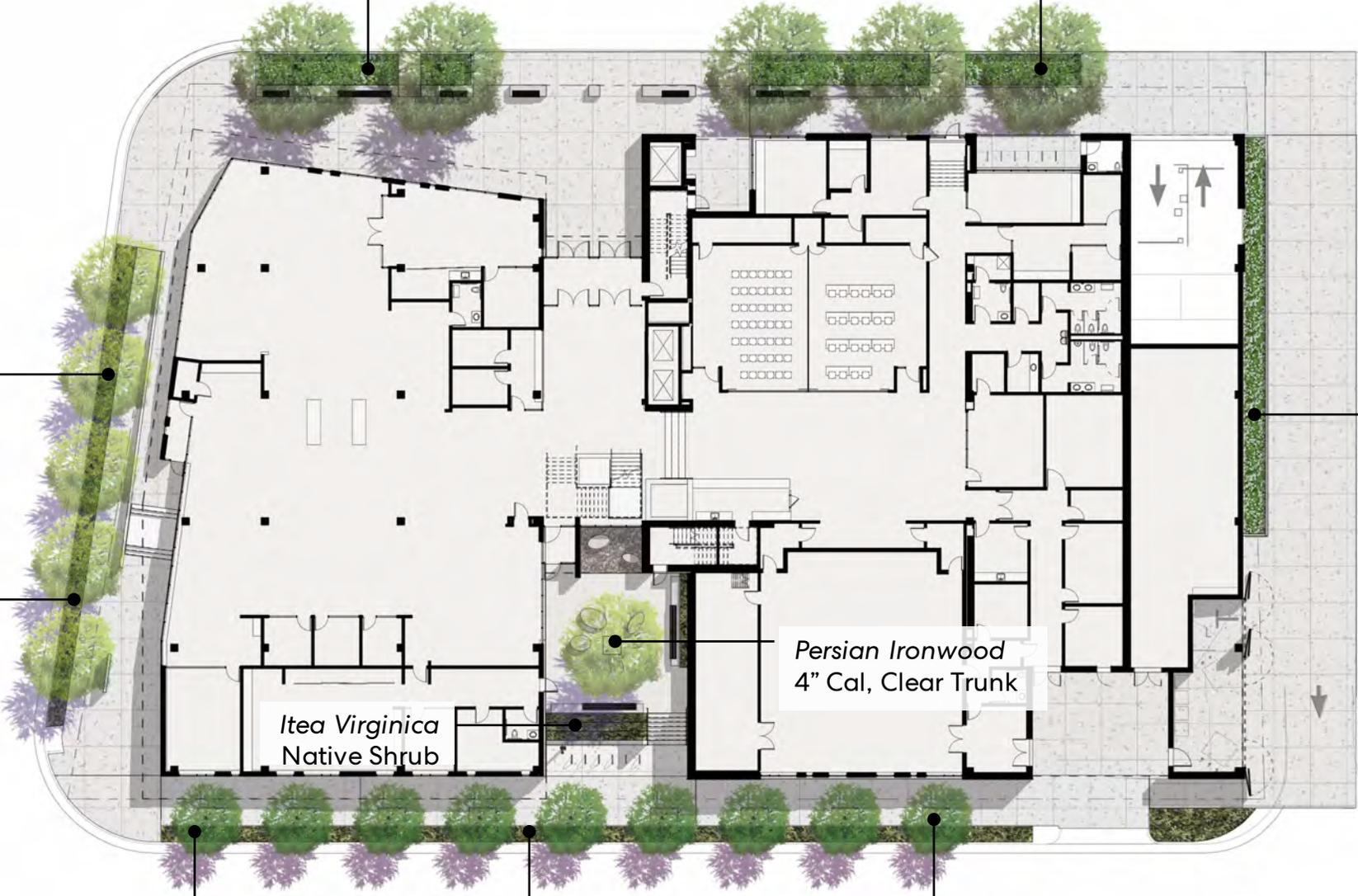
*Persian Ironwood*  
4" Cal, Clear Trunk

*Horsetail*  
Groundcover  
Bioswale Planter

*Pennsylvania Sedge*  
Groundcover  
At-grade tree pits

*Creeping Plum Yew*  
Evergreen Groundcover  
At-grade planting area

*Fosters Holly*  
Evergreen Tree  
6" Cal, Clear Trunk



# PLANT PALETTE



*Beacon Swamp White Oak*  
Deciduous Tree



*Contemplation Persian Ironwood*  
Deciduous Tree



*Bald Cypress*  
Deciduous Tree



*Foster's Holly*  
Evergreen Tree



*Gem Box Ilex Glabra*  
Evergreen Shrub



*Itea Virginia*  
Native Shrub



*Creeping Plum Yew*  
Evergreen Groundcover



*Pennsylvania Sedge*  
Groundcover



*Horsetail*  
Groundcover



*Juncus Grass*  
Groundcover



*Carex Lurida*  
Groundcover



*Iris Virginia*  
Groundcover

# **SYSTEMS ANALYSIS**

# STRUCTURAL SYSTEM

## Cast-In-Place Concrete: (Base)

Cost Premium: \$ 0

Embodied Carbon: **104 Tons Carbon Emissions**

= to planting 700 Silver Maples and sequester **140** tons of carbon (\$70,000)

## Steel + Composite Deck:

Cost Premium: \$ 651,119

Embodied Carbon: **31.5 Tons Carbon Emissions**

\$ 8,968/ton of carbon saved

## Mass Timber:

Cost Premium: \$ 1,189,540

Embodied Carbon: **-469 Tons Carbon Sequestered**

\$ 2,075/ton of carbon saved

# STRUCTURAL SYSTEM

## Cast-In-Place Concrete: (Base)

Cost Premium: \$ 0

Embodied Carbon: **104 Tons Carbon Emissions**

= to planting 700 Silver Maples and sequester **140** tons of carbon (\$70,000)

## Steel + Composite Deck:

Cost Premium: \$ 651,119

Embodied Carbon: **31.5 Tons Carbon Emissions**

\$ 8,968/ton of carbon saved

= to planting 6,500 Silver Maples and sequester **1,300** tons of carbon (**19X**)

## Mass Timber:

Cost Premium: \$ 1,189,540

Embodied Carbon: **-469 Tons Carbon Sequestered**

\$ 2,075/ton of carbon saved

= to planting 11,900 Silver Maples and sequester **2,380** tons of carbon (**4X**)

FENESTRATION

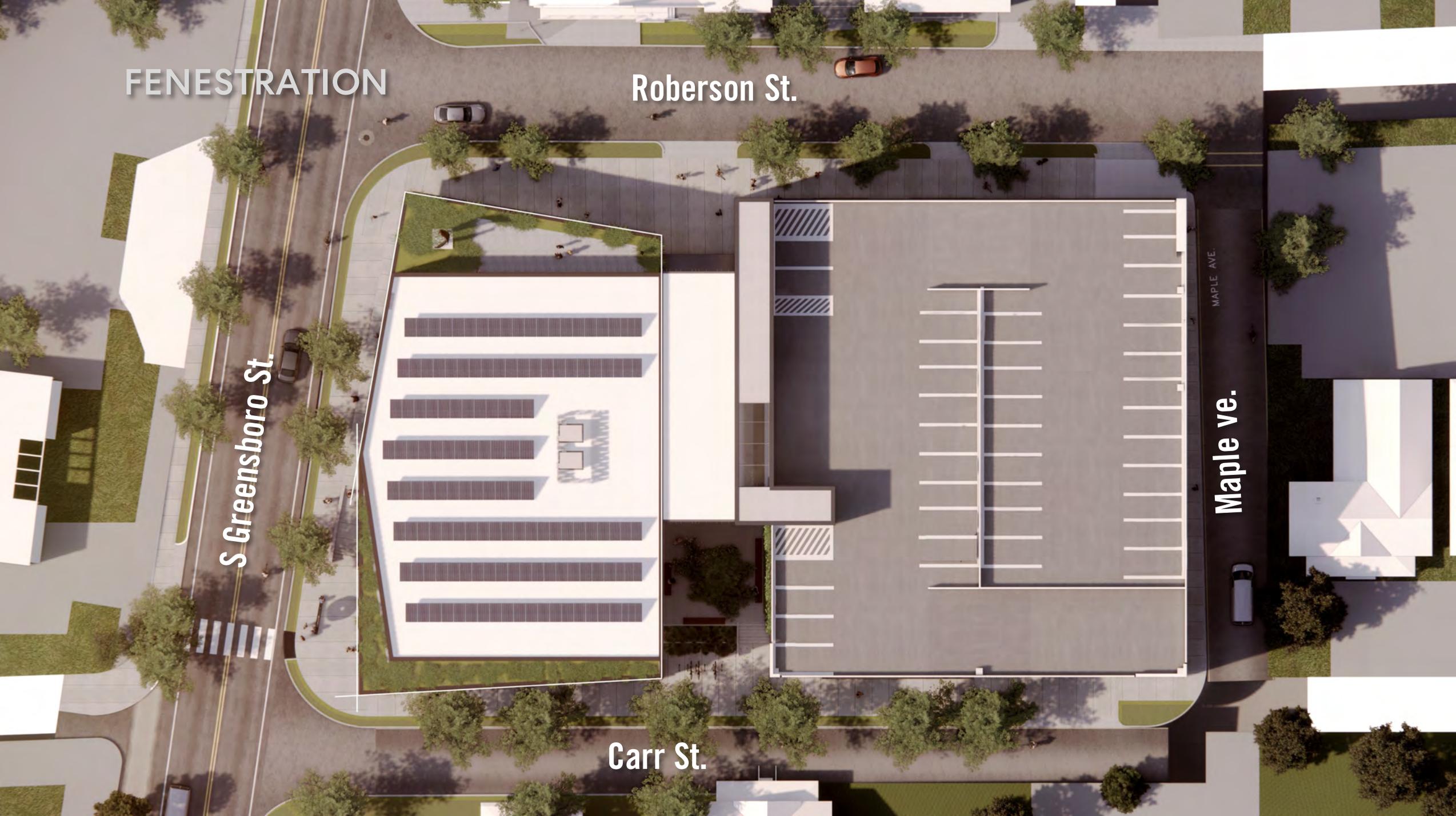
Roberson St.

S Greensboro St.

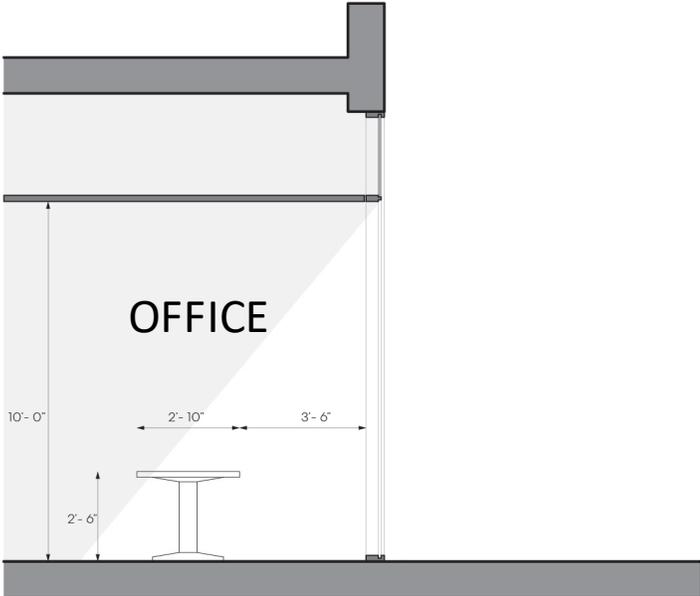
MAPLE AVE.

Maple ve.

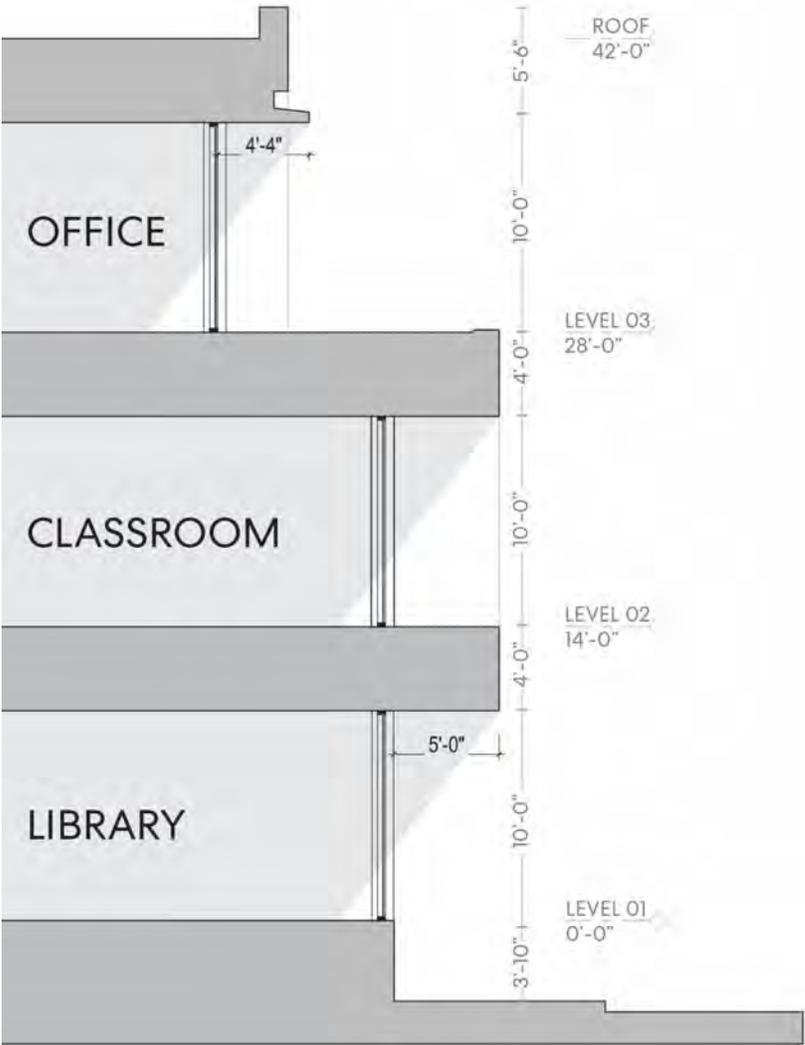
Carr St.



# Previous design with no Canopy



# Updated design with 4'-4" Canopy





# FENESTRATION

## SIR ANALYSIS FOR STATE FACILITIES



STATE CONSTRUCTION OFFICE  
N.C. DEPT. OF ADMINISTRATION  
RALEIGH, NORTH CAROLINA

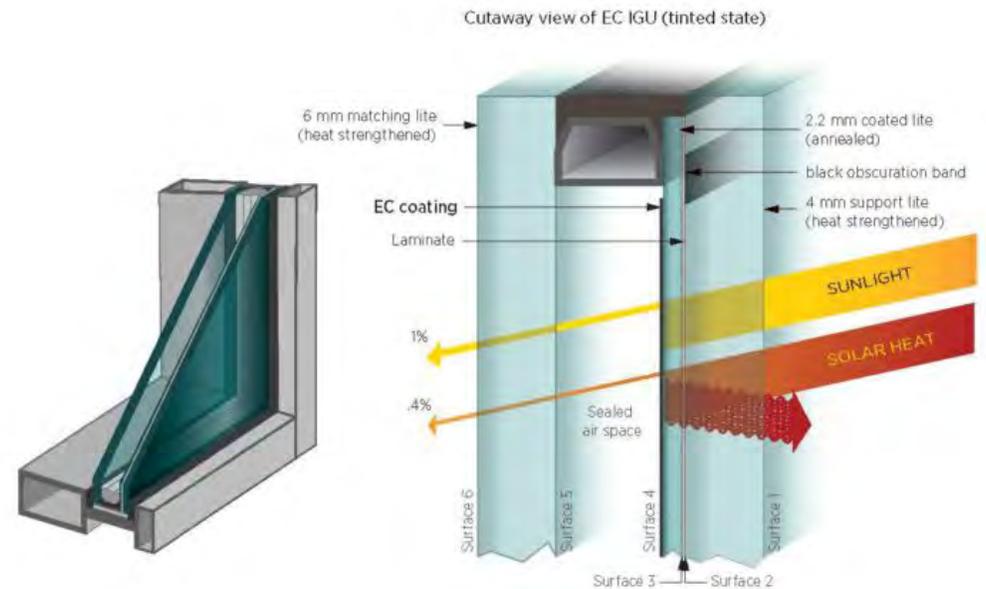
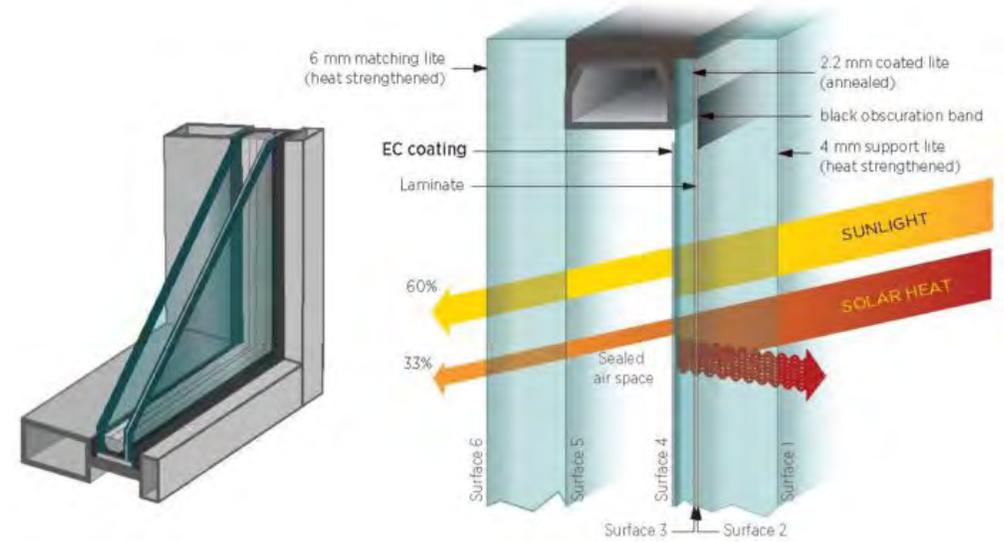
PROJECT NAME:

PROJECT ID NUMBER:

PROJECT DESCRIPTION:

	(A) Alternative ID	(B) Life Cycle Investment Cost	(C) Life Cycle Operating Cost	(D) Increased Investment Cost	(E) Operating Cost Savings	(F) SIR	(G) Rank
1	A-1-0	\$40,845	\$1,253,217	N/A	N/A	N/A	Base Case
2	A-1-1	\$97,657	\$1,253,217	\$56,812	\$0	0.00	2
3	A-1-2	\$49,055	\$1,243,806	\$8,210	\$9,411	1.15	1
4				\$0	\$0	0.00	2
5				\$0	\$0	0.00	2
6				\$0	\$0	0.00	2
7				\$0	\$0	0.00	2
8				\$0	\$0	0.00	2
9				\$0	\$0	0.00	2
10				\$0	\$0	0.00	2

**\$ 35,055 First Cost Premium**



# MECHANICAL SYSTEM

## Saving to Investment Ratio ANALYSIS

PROJECT NAME: The 203 Project

PROJECT DESCRIPTION: VRF LCCA

	(A) Alternative ID	(B) Life Cycle Investment Cost	(C) Life Cycle Operating Cost	(D) Increased Investment Cost	(E) Operating Cost Savings	(F) SIR	(G) Rank
1	Base	\$1,581,421	\$1,533,365	N/A	N/A	N/A	Base Case
2	VRF System	\$1,659,931	\$1,226,034	\$78,510	\$307,331	3.91	1
3				\$0	\$0	0.00	2
4				\$0	\$0	0.00	2
5				\$0	\$0	0.00	2
6				\$0	\$0	0.00	2
7				\$0	\$0	0.00	2
8				\$0	\$0	0.00	2
9				\$0	\$0	0.00	2
10				\$0	\$0	0.00	2

**\$ 78,510 First Cost Premium**



# SOLAR HOT WATER

**SIR ANALYSIS**  
 FOR STATE FACILITIES



STATE CONSTRUCTION OFFICE  
 N.C. DEPT. OF ADMINISTRATION  
 RALEIGH, NORTH CAROLINA

PROJECT NAME:

PROJECT ID NUMBER:

PROJECT DESCRIPTION:

	(A) Alternative ID	(B) Life Cycle Investment Cost	(C) Life Cycle Operating Cost	(D) Increased Investment Cost	(E) Operating Cost Savings	(F) SIR	(G) Rank
1	Base	\$21,200	\$272,912	N/A	N/A	N/A	Base Case
2	Solar	\$31,200	\$311,636	\$10,000	-\$38,724	-3.87	9
3				\$0	\$0	0.00	1
4				\$0	\$0	0.00	1
5				\$0	\$0	0.00	1
6				\$0	\$0	0.00	1
7				\$0	\$0	0.00	1
8				\$0	\$0	0.00	1
9				\$0	\$0	0.00	1
10				\$0	\$0	0.00	1

**\$ 10,000 First Cost Premium**



# PRELIMINARY ENERGY MODEL

## BASELINE ENERGY MODEL:

Energy Profile: 1,068,966 kWh/yr

## PRELIMINARY ENERGY MODEL:

Energy Profile: 652,688 kWh/yr

**40% below baseline**

# PHOTOVOLTAIC ARRAY



+/- 102,700 kWh; \$70,659

+/- 245,100 kWh; \$630,417

# PHOTOVOLTAIC ARRAY – West Roof

SIR ANALYSIS FOR STATE FACILITIES		STATE CONSTRUCTION OFFICE N.C. DEPT. OF ADMINISTRATION RALEIGH, NORTH CAROLINA				
PROJECT NAME	The 203 Project - Solar Photovoltaic System					
PROJECT ID NUMBER	059-20					
PROJECT DESCRIPTION	PV Array for West Roof of Building					
(A) Alternative ID	(B) Life Cycle Investment Cost	(C) Life Cycle Operating Cost	(D) Increased Investment Cost	(E) Operating Cost Savings	(F) SIR	(G) Rank
1 BASE	\$1,800,000	\$1,064,531	N/A	N/A	N/A	Base Case
2 PV System	\$1,883,561	\$965,635	\$83,561	\$98,896	1.18	1
3			\$0	\$0	0.00	2
4			\$0	\$0	0.00	2
5			\$0	\$0	0.00	2
6			\$0	\$0	0.00	2
7			\$0	\$0	0.00	2
8			\$0	\$0	0.00	2
9			\$0	\$0	0.00	2
10			\$0	\$0	0.00	2

**\$ 70,659 First Cost Premium**



# PHOTOVOLTAIC ARRAY – West & East Roofs Combined

**SIR ANALYSIS**  
FOR STATE FACILITIES



STATE CONSTRUCTION OFFICE  
N.C. DEPT. OF ADMINISTRATION  
RALEIGH, NORTH CAROLINA

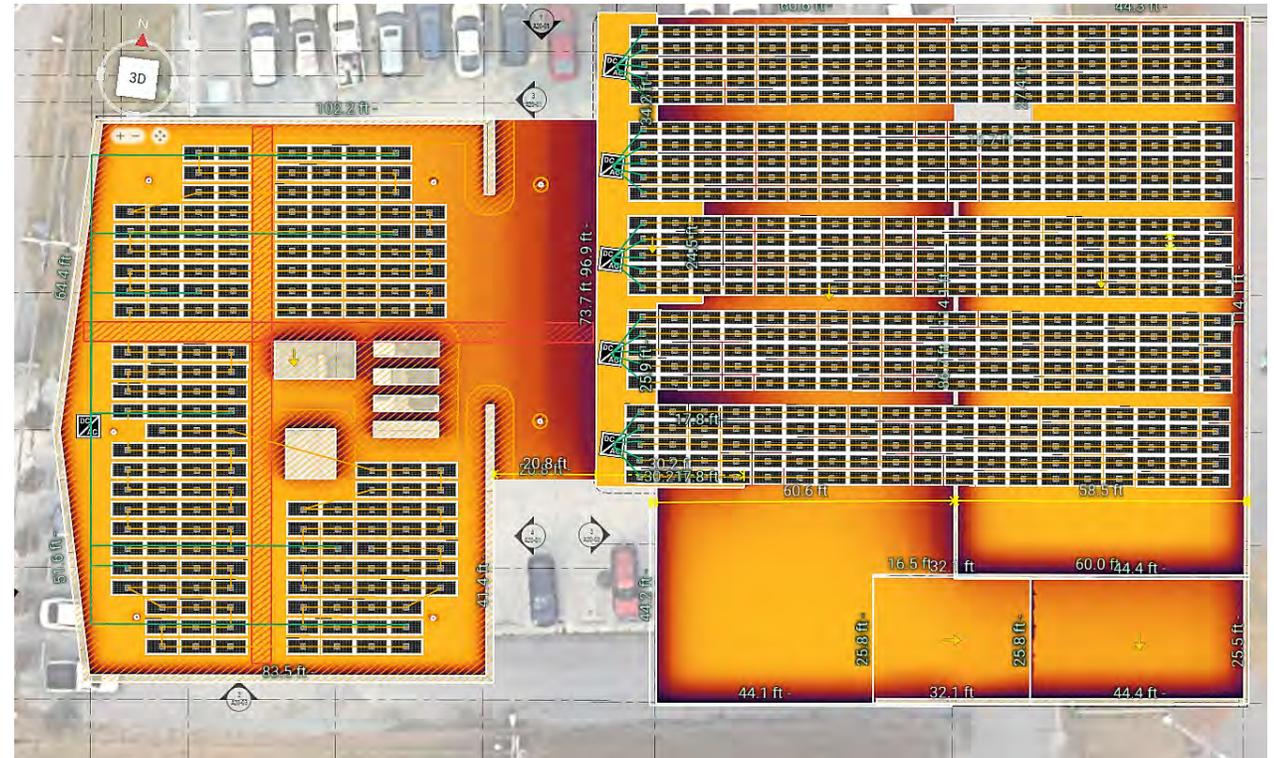
PROJECT NAME: The 203 Project - Solar Photovoltaic System

PROJECT ID NUMBER: 059-20

PROJECT DESCRIPTION: PV Array for West+East Roofs of Building

	(A) Alternative ID	(B) Life Cycle Investment Cost	(C) Life Cycle Operating Cost	(D) Increased Investment Cost	(E) Operating Cost Savings	(F) SIR	(G) Rank
1	BASE	\$1,800,000	\$1,064,531	N/A	N/A	N/A	Base Case
2	PV System	\$2,533,197	\$430,230	\$733,197	\$634,301	0.87	1
3				\$0	\$0	0.00	2
4				\$0	\$0	0.00	2
5				\$0	\$0	0.00	2
6				\$0	\$0	0.00	2
7				\$0	\$0	0.00	2
8				\$0	\$0	0.00	2
9				\$0	\$0	0.00	2
10				\$0	\$0	0.00	2

**\$ 701,076 First Cost Premium**



**Q+A**