

Design Pathways in Public Policy: The NeON initiative

Kevin Barnes-Ceeney

Prisoner Reentry Institute
John Jay College of Criminal Justice

May 13, 2015

Policy, Meet Design.2

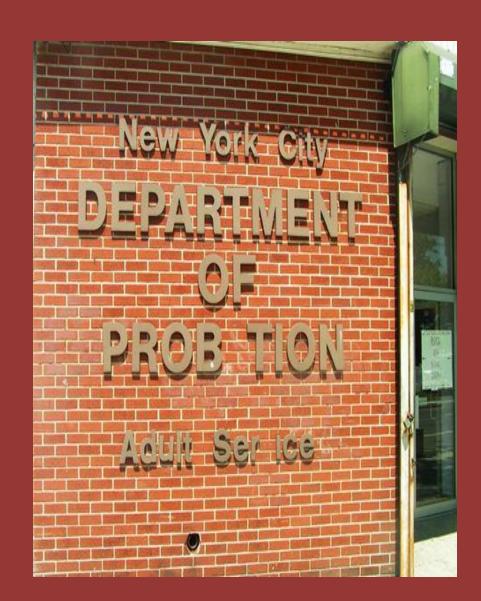






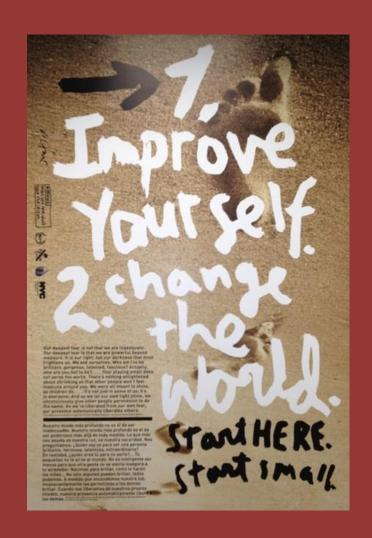
NYC Department of Probation

- 1,000 staff
- 25,000 adult probation clients
 - (7,500 aged 16 24 years)
- 2,000 juvenile probation clients (11-15 years)
- 3 or 5 year supervision



It started with a vision...

- Do less harm
- Do more good
- Do it in the community







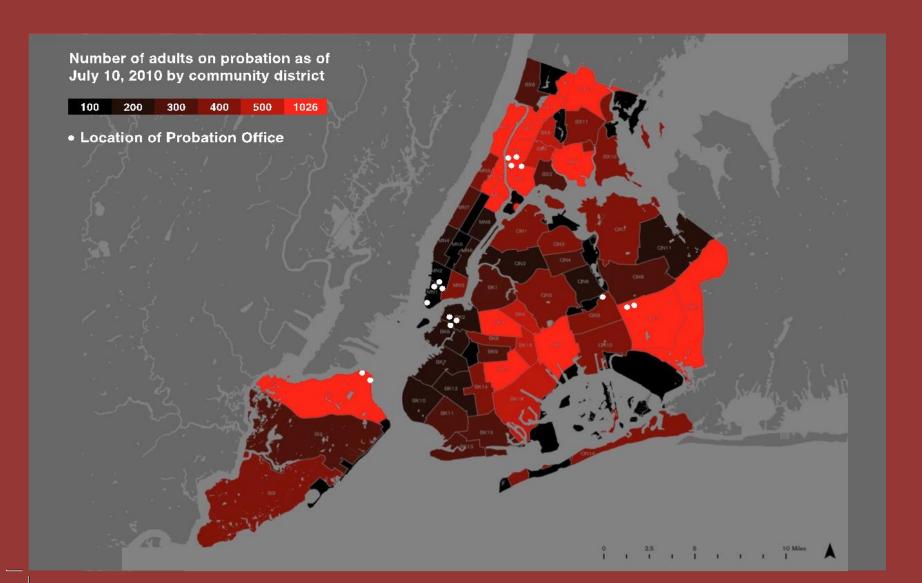
"It's hell—the carpet smells of urine, the ceiling tiles are falling through, and people talk to you through glass"

James Victore

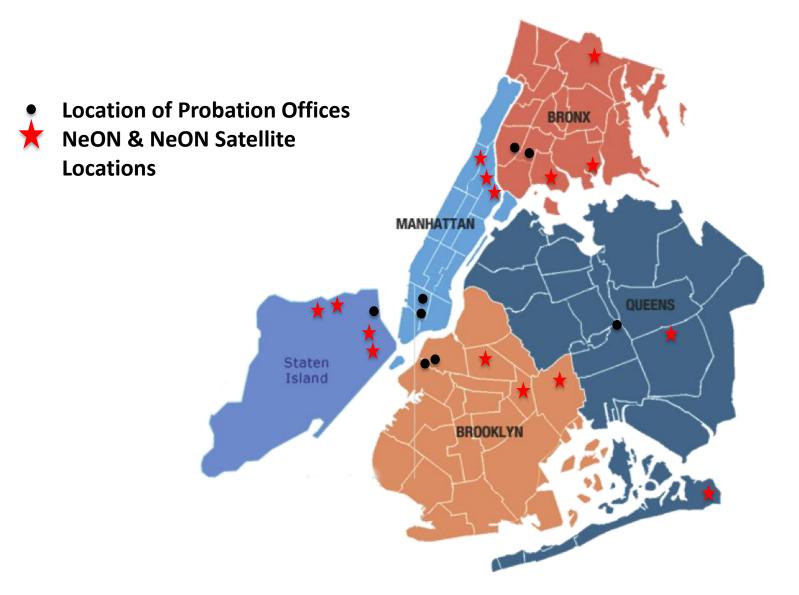
In places like Marcy there are people who know the ins and outs of government bureaucracies, police procedures, and sentencing guidelines, who spend half of their lives in dirty waiting rooms on plastic chairs waiting for someone to call their name. But for all this involvement, the government might as well be the weather because a lot of us don't think we have anything to do with it—we don't believe we have any control over this thing that controls us.

(Jay Z, Decoded [Spiegel & Graus] 2010)

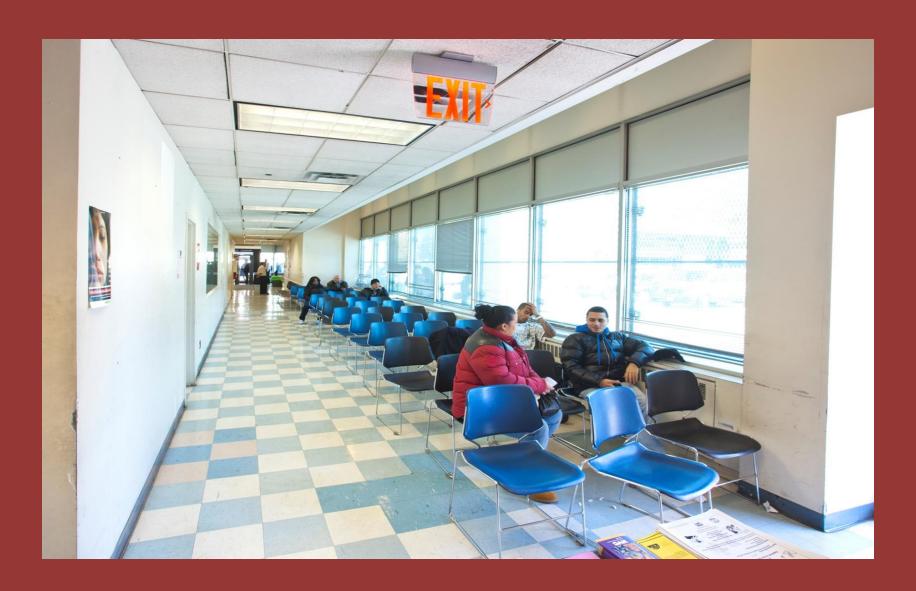
Laura Kurgan: Spatial Information Design Lab



From probation offices to NeON



Before: South Bronx Waiting Room



After: South Bronx Resource Hub



Client-led design



Focus on design

- Materials capable of standing up to heavy abuse
- Deinstitutionalizing and "normalizing" waiting space
- Engender different social interactions
- Create seamless movement through the waiting space





Neonization is more than resource hubs

- Clients not probationers
- Stronger relationships with service providers
- Family engagement
- Risk assessment, case planning, motivational interviewing, violation as last resort
- Community benefit and engagement
- Traditional and innovative in-house services



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BRONX

Poetry man helps people find rhyme and reason in unlikely place--the city Probation Department office in the Bronx

Poetry workshops for probationers in Bronx office draw local residents; strengthen community ties





DOP staff volunteering in Red Hook, Brooklyn, after Hurricane Sandy, November, 2012

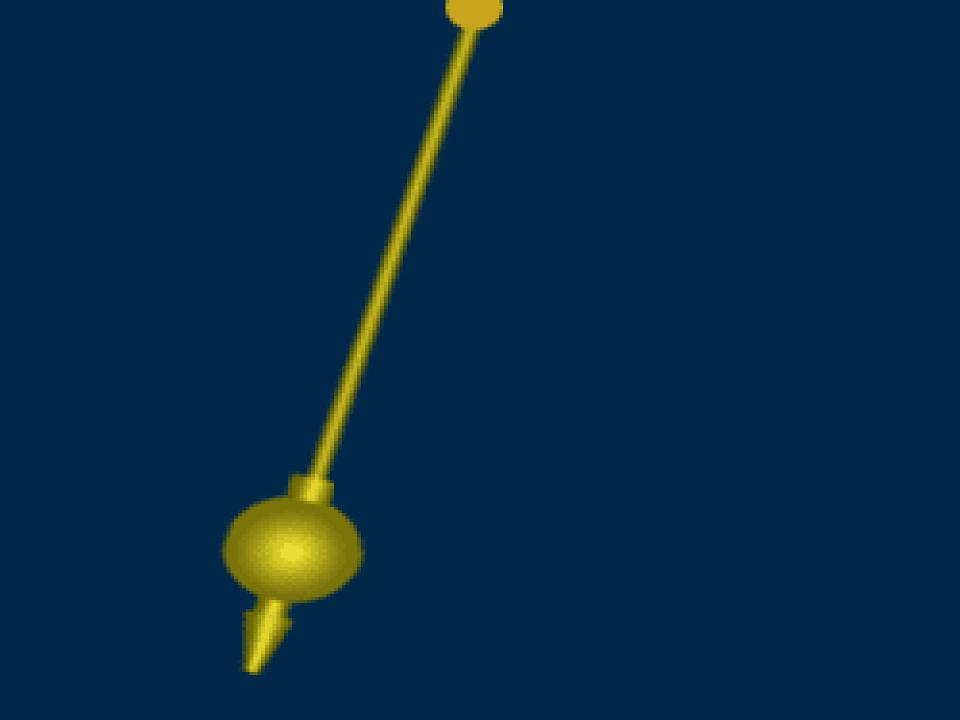
Was NeON successful?

• It's colorful. Like it makes it, it pops out. Like it makes you like feel comfortable. ... I started reading the walls, all the quotes on the walls. And, it's like something to catch your attention. And, it's something to think about too.

(Male client, South Bronx, 2012)

 "Cause it's like you all got a new facility, but the people ain't changed. The only thing that's new is these chairs and tables, but the people ain't, the people still the same."

(Female client, South Bronx, 2012)



Administrative cycles



Hunkering down



Struggling with the change

- NeON is something others do
- NeON is the overtime activities for the favored few
- NeON is for them (clients) not us
- Pay rises not waiting room improvements
- Stakeholder groups

NeON Arts





Community engagement





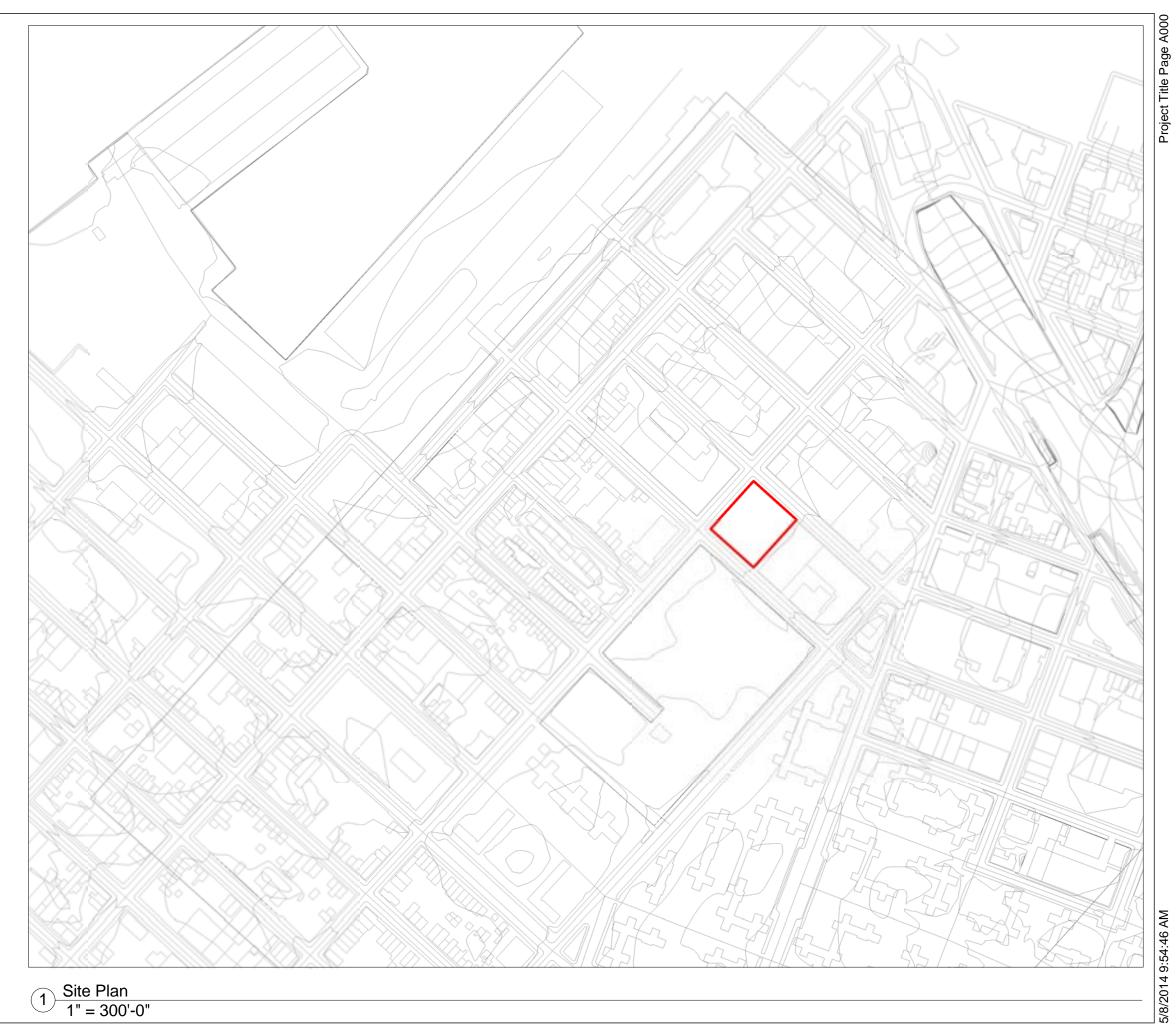
35 Delevan St Brooklyn, NY 11231 Block: 523 Lot: 1 Primary zoning: R6 Max. FAR: 2.43 Lot Area: 36,000 sq ft (200' x 180')



	Sheet List
Sheet Number	Sheet Name

A000	Project Title Page
A001	Site Analysis
A002	Specific Site
A003	Site Accessibility
A004	Site Logistics
A100	Design Options
A101	Design Development
A102	Building Performance
A103	Visualization
A104	Construction Schedule
A105	Product and Delivery
A106	Cost Analysis
A200	Next Phrase Development

Design Team: Chiwa Yeung, Soeun Park



Emphasis:

PUBLIC INTERACTION

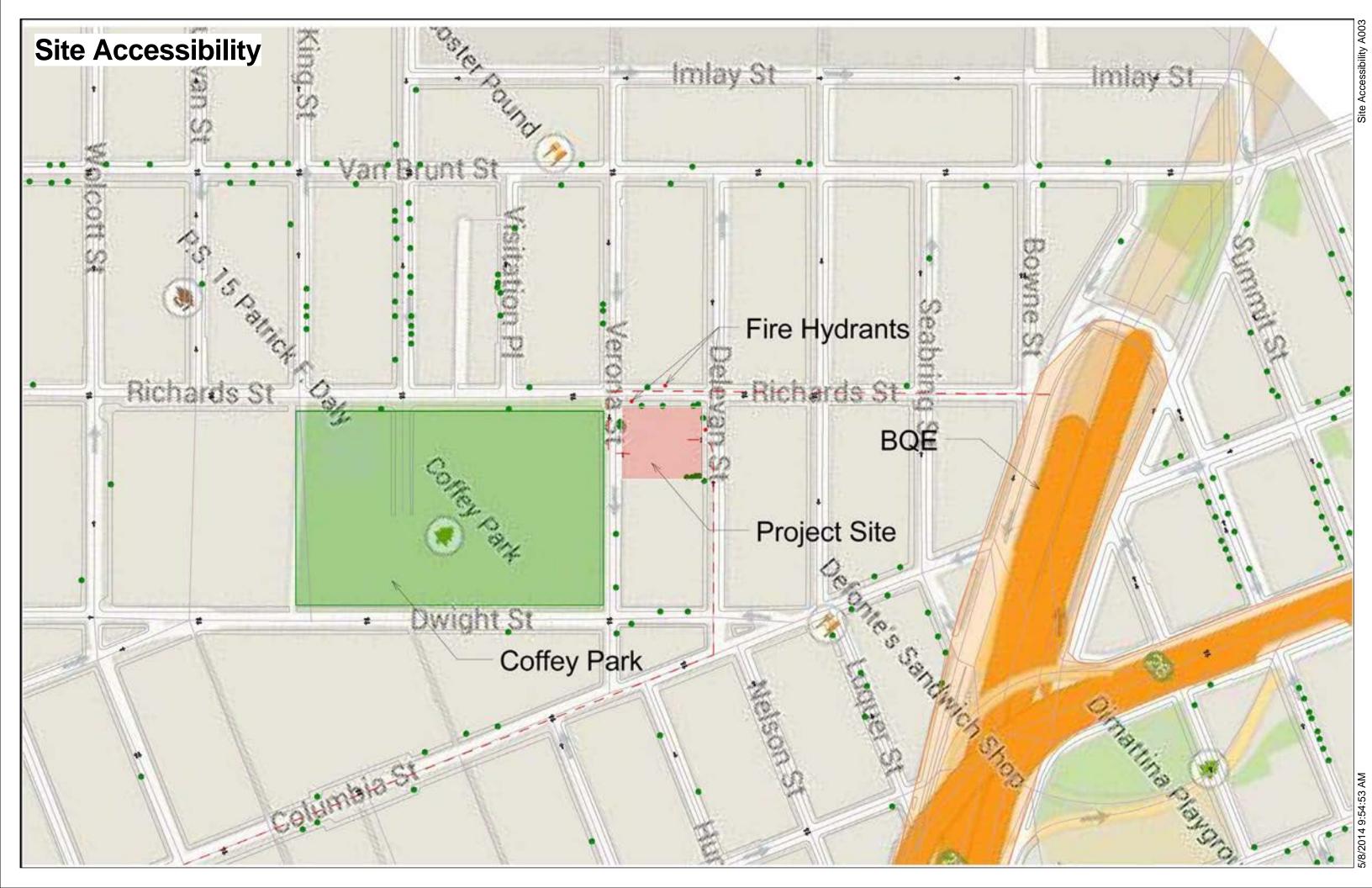
Concept:

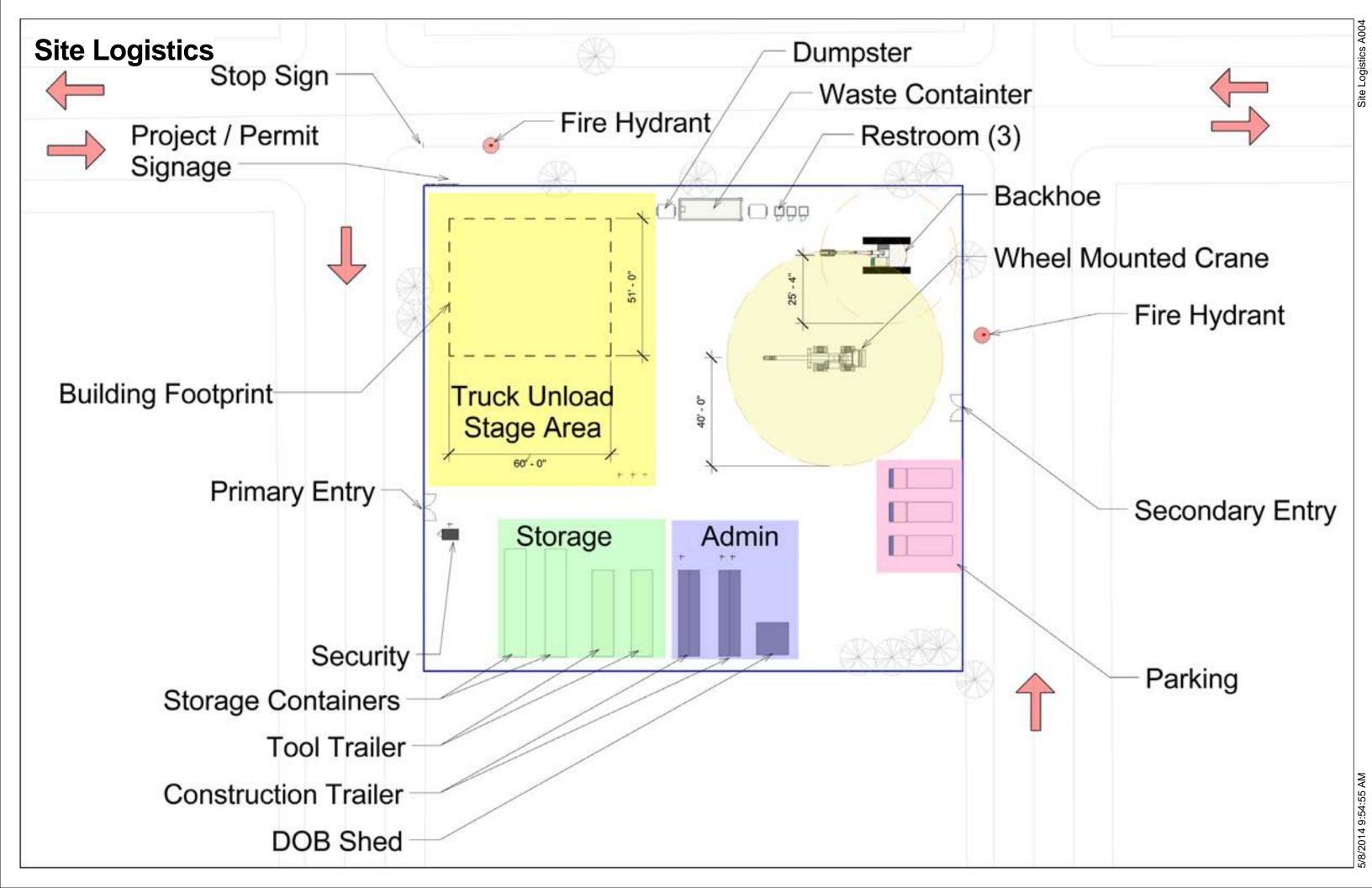
Intersection between major street grid as the NODE OF INTERACTION.

Strategies:

- Locate existing public space for MAXIMUM PUBLIC EXPOSURE
- Utilizing existing vacant lot to INCREASE
 DEVELOPMENT
 PRESSURE
- Locate in midst of existing public transportation for EASE OF ACCESS without creating additional traffic.
- Existing public institution for easy access and CENTRALIZE PUBLIC SERVICES
- Additional lot area allow GROWTH OF DEVELOPMENT
- Adjacent manufacturing lots allow EMERGENCY STORAGE.
- CLOSE APROXIMITY to residential projects.

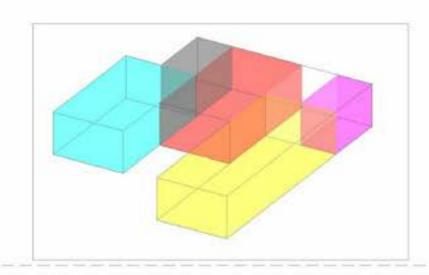
2014 9:54:50 AM

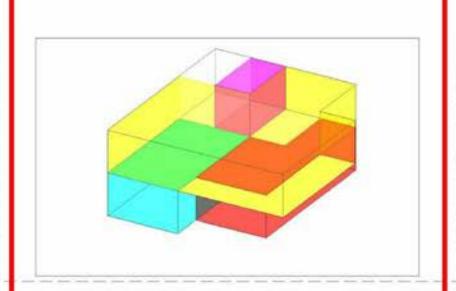


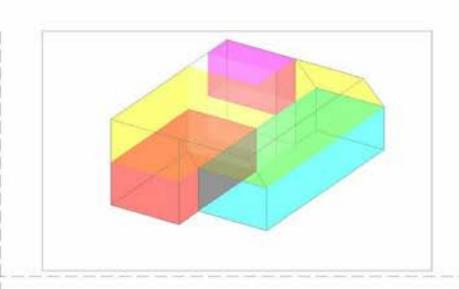


Design Comparison

Visual







Floor Area

	Pr	oposal 1	
Gross Floor Area	Gross Volume	Gross Surface Area	Pre-fab Unit
2167.5 SF	21675 CF	6855.0 SF	17

	Pr	oposal 2	
Gross Floor Area	Gross Volume	Gross Surface Area	Pre-fab Unit
3187.5 SF	31875 CF	6900.0 SF	25

	Pr	oposal 3	
Gross Floor Area	Gross Volume	Gross Surface Area	Pre-fab Unit
3076.8 SF	30726 CF	6558.7 SF	24

Energy

Energy Use Intensity

Electricity EUI:	12 kWh / sf / yr
Fuel EUI:	61 kBtu/sf/yr
Total EUI:	102 kBtu / sf / yr

Life Cycle Energy Use/Cost

Life Cycle Electricity Use:	783,534 kWh
Life Cycle Fuel Use:	39,410 Therms
Life Cycle Energy Cost:	\$67,794
*30-year life and 6.1% disco	ount rate for costs

Energy Use Intensity

	Electricity EUI:	13 kWh / sf / yr
1.7	Fuel EUI:	47 kBtu / sf / yr
_	Total EUI:	91 kBtu / sf / yr

Life Cycle Energy Use/Cost

Life Cycle Electricity Use:	1,229,615 kWh
Life Cycle Fuel Use:	44,713 Therms
Life Cycle Energy Cost:	\$99,279
*30-year life and 6.1% disco	ount rate for costs

Energy Use Intensity

13 kWh / sf / yr
51 kBtu / sf / yr
96 kBtu / sf / yr

Life Cycle Energy Use/Cost

Life Cycle Electricity Use:	1,202,767 kWh
Life Cycle Fuel Use:	47,125 Therms
Life Cycle Energy Cost:	\$98,518
*30-year life and 6.1% disc	ount rate for costs

Cost

\$128,070

\$59 / SF

\$150,093

Proposal 2 Statistic

\$47 / SF

148,478

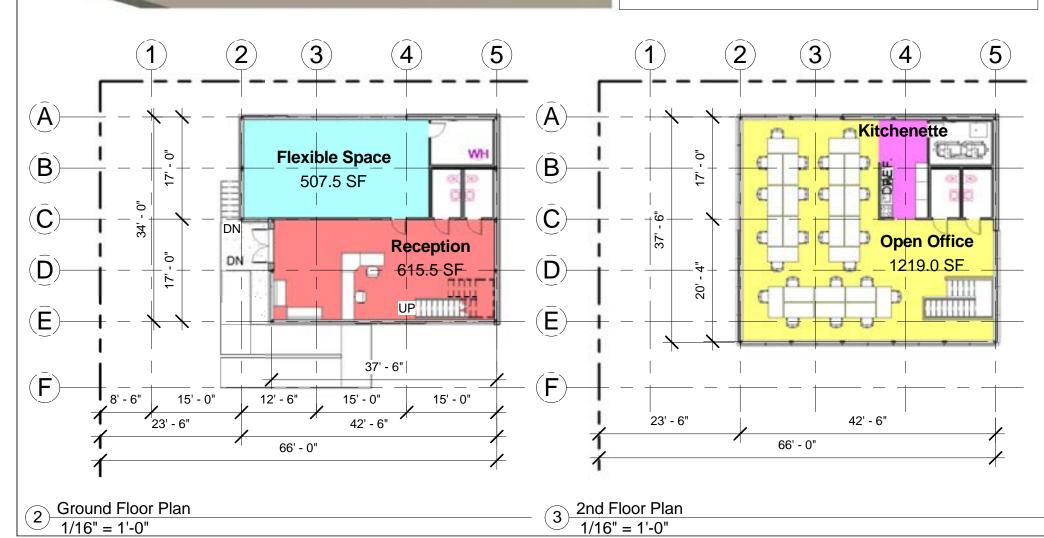
\$48 / SF 3 Proposal 3 Statistic

1 Proposal 1 Statistic



Room Schedule			
Program	Level	Area	
Reception	Level 1	615.5 SF	
Flexible Space	Level 1	507.5 SF	
MEP	Level 1	82.8 SF	
W.C.	Level 1	97.8 SF	
Open Office	Level 2	1219.0 SF	
Kitchenette	Level 2	134.8 SF	
MEP	Level 2	85.6 SF	
W.C.	Level 2	95.0 SF	
Grand total	-	2838.0 SF	

Structural Module Schedule		
Module	Module Area	# of Modules Required
37' 6" L x 8' 6" W x 10' 2" H	318.75 SF	6
42' 6" L x 8' 6" W x 10' 2" H	361.25 SF	2



Wall Schedule	
Wall Type	Area
Curtain Wall 1	1303.7 SF
Exterior - EIFS on Mtl. Stud	1851.5 SF
Foundation - 12" Concrete	458.5 SF
Interior - 3 1/8" Partition (1-hr)	1373.0 SF
Interior - 3 1/8" Partition (1-hr) Wood Finish (One Side)	360.8 SF
Interior - 3 1/8" Partition (1-hr) Wood Finish (Two Side)	210.4 SF
Pre-cast Concrete Ramp Infill 3"	164.2 SF
Grand total	5722.2 SF

Floor Schedule	
Floor Type	Area
Amdry 2.09 in. x 2 ft. x 4 ft. OSB Insulated R7 Subfloor Panel	2781.4 SF
Insulated Generic - 8"	90.5 SF
Grand total	2872.0 SF

Window Schedule		
Type	Count	Area
Curtain Wall Awning	19	214.1 SF

Door Schedule		
Door Type	Function	Count
		,
Double-Glass 1: 68" x 80"	Exterior	1
Single-Flush: 30" x 80"	Interior	6
Single-Glass 1: 30" x 80"	Interior	1
Grand total		8

Flexible Space	
Reception	
Open Office	

Kitchenette

Roof Schedule	
Roof Type	Area
Steel Truss - Insulation on Metal Deck - EPDM	1671.3 SF

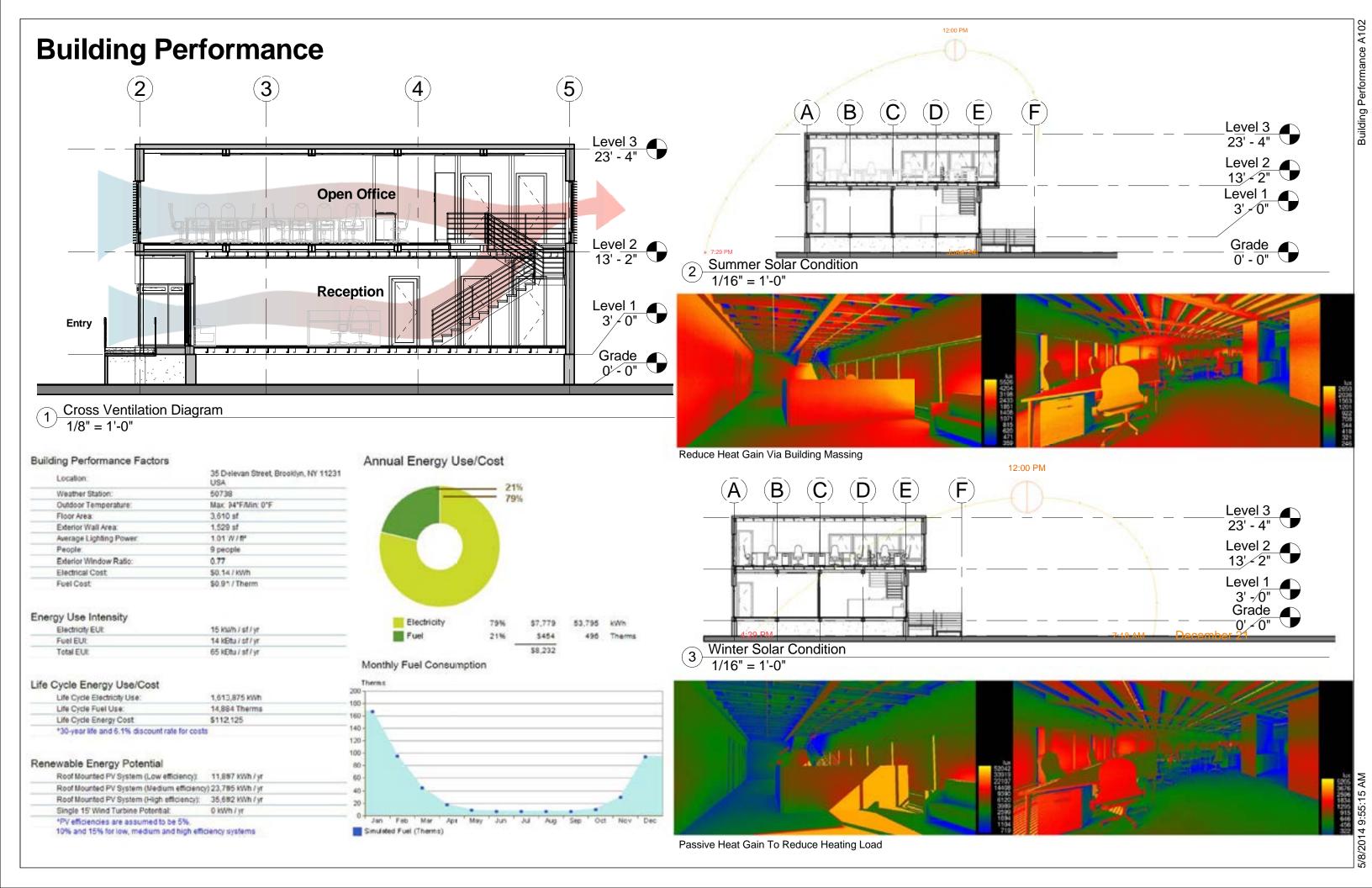
Ceiling Schedule

Area

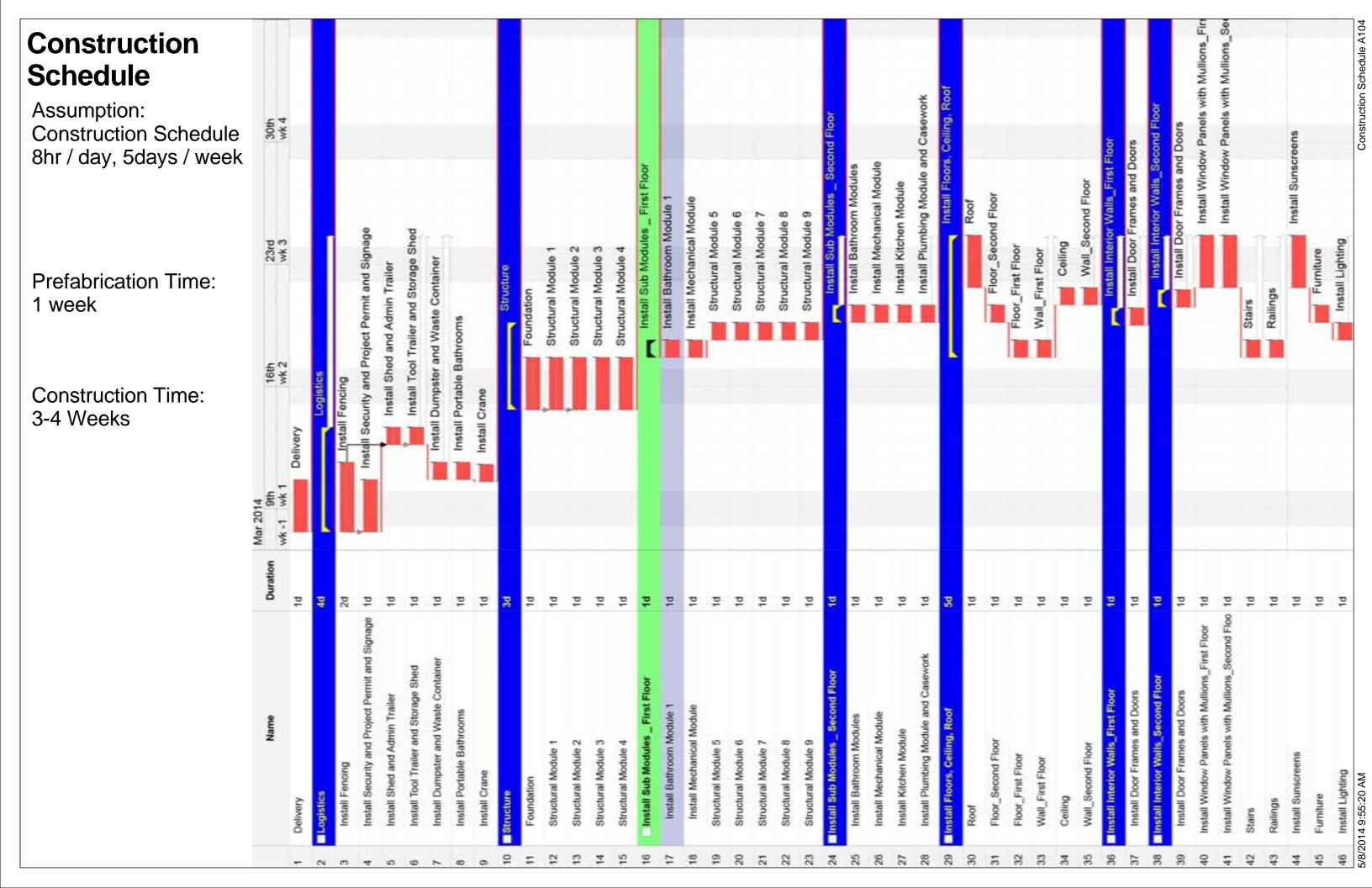
237.1 SF

Ceiling Type

GWB on Mtl. Stud







Product & Delivery walls, doors and windows office furniture plumbing fixtures mechanical devices light fixtures curtain walls staircase kitchen fixture floors roofing louvers railings

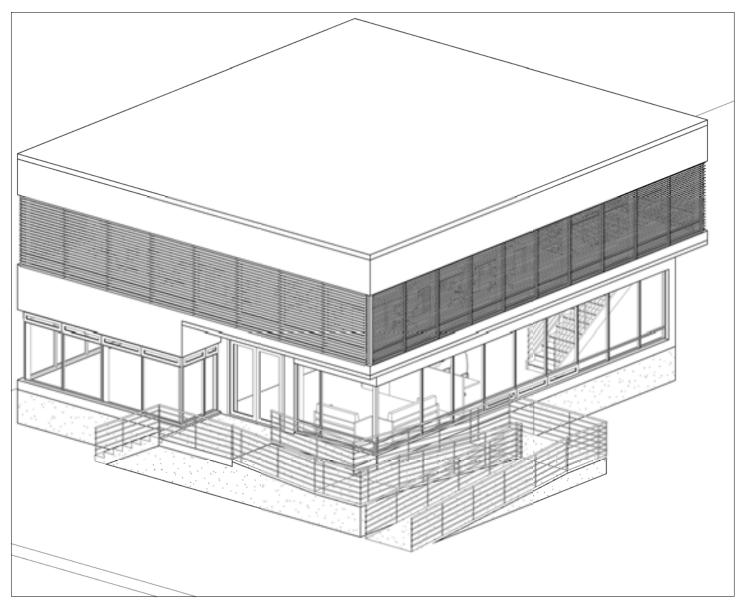
Subfloor Panels

EIFS Pane

Projcet-Out Awnings

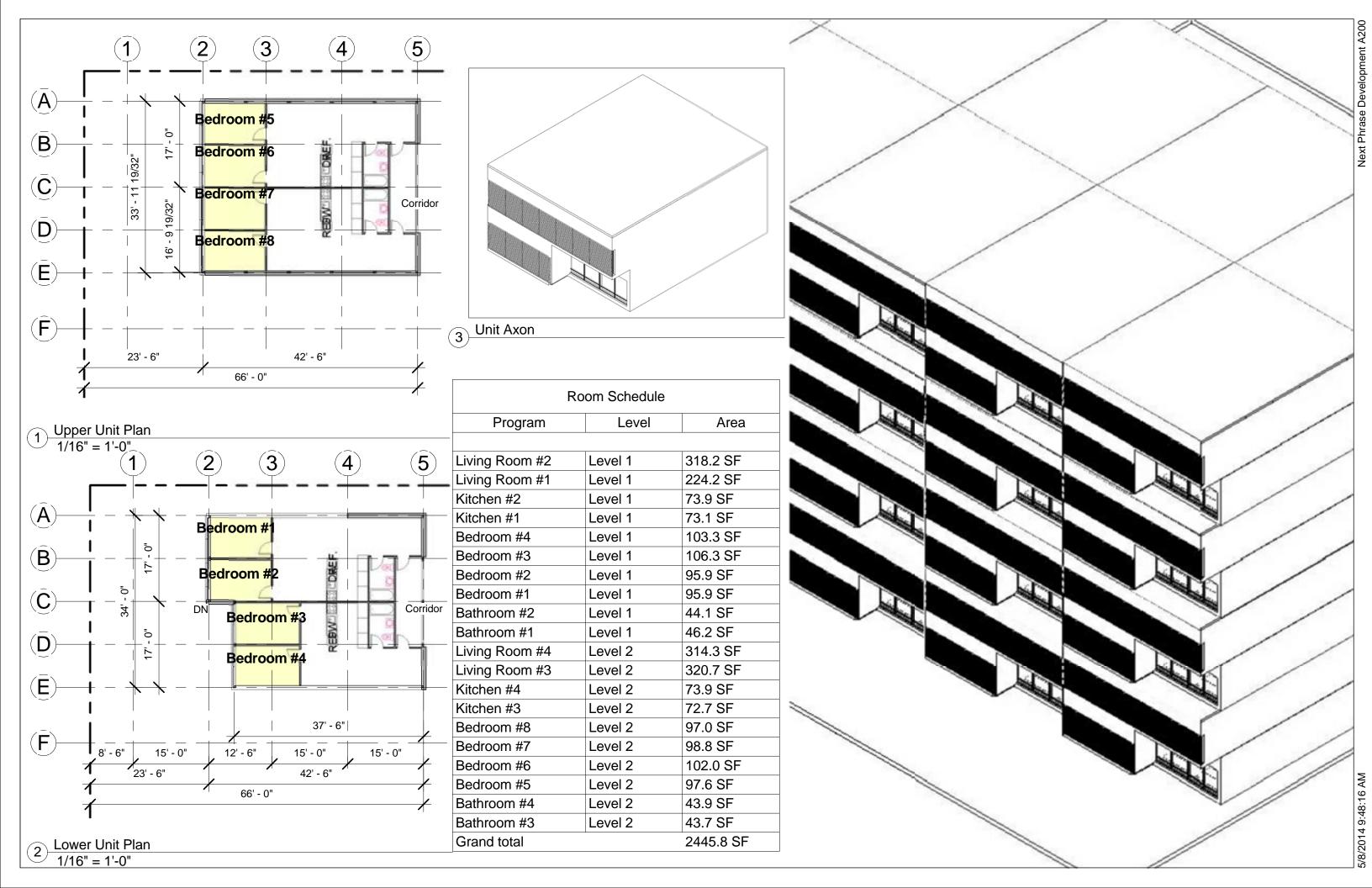
Cost Estimate

			II.	Subtotal
Concrete				3,000
	Foundation Pads	\$350 / unit	8 units	2,800
	Staircase	\$850 / unit	1 unit	850
Metals				
	Structural Steel	\$3,000 / unit	9 units (modules)	27,00
	Metal joists, deck, framing	\$94 / unit	332 units	31,20
	Railings	\$8 / ft	300 ft	24,00
Insulation	& Waterproofing			
	Roofing	\$6.50 / sqft	1,444 sqft	9,386
Openings				
	Doors	\$250 / unit	8	2,000
	Hardware			1,200
	Glazing & Glass	\$94.22 / sqft	1,304 sqf	122,86
Rentals				9
	Tool Shed	\$500 / unit	3	1,500
	Temporary Power	\$1,800	1	1,800
	Trailers	\$500 / unit	3	1,500
Finishes				
	Flooring	\$24 / sqft	2,870 sqf	68,88
	Wall Finishes	\$8 / sqft	1,900 sqf	15,20
	Sun Louvres	\$45/ unit	15 units	678
Mechanica	al & Electrical			
	Mechanical	\$18.84 / sqft	2,870 sqf	54.07
Plumbing a	& Heating			
	Sinks	\$200 / unit	5	1,000
	Toilets	\$120 / unit	4	48
	Base price			369,41
	Supervision and General Labor		5%	18,470.
	Overhead		7%	25.85
	Fee		6%	22,16
	Insurance		2.25%	8,3
			TOTAL	444.21



Axonometric View

\$148 / SF without Furnishing \$157 / SF with Furnishing



Community Connection Pavilion

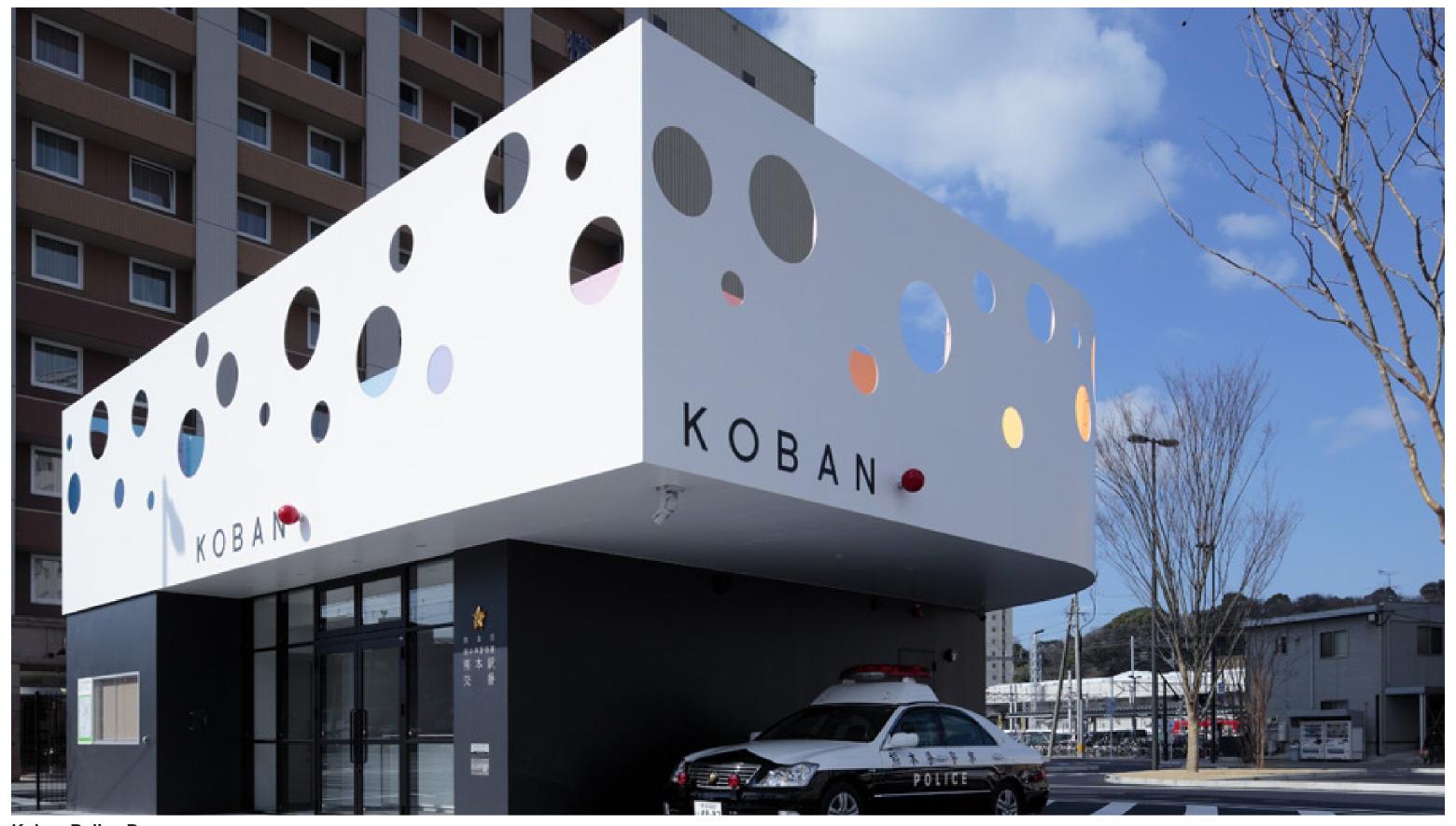
Precedent Studies



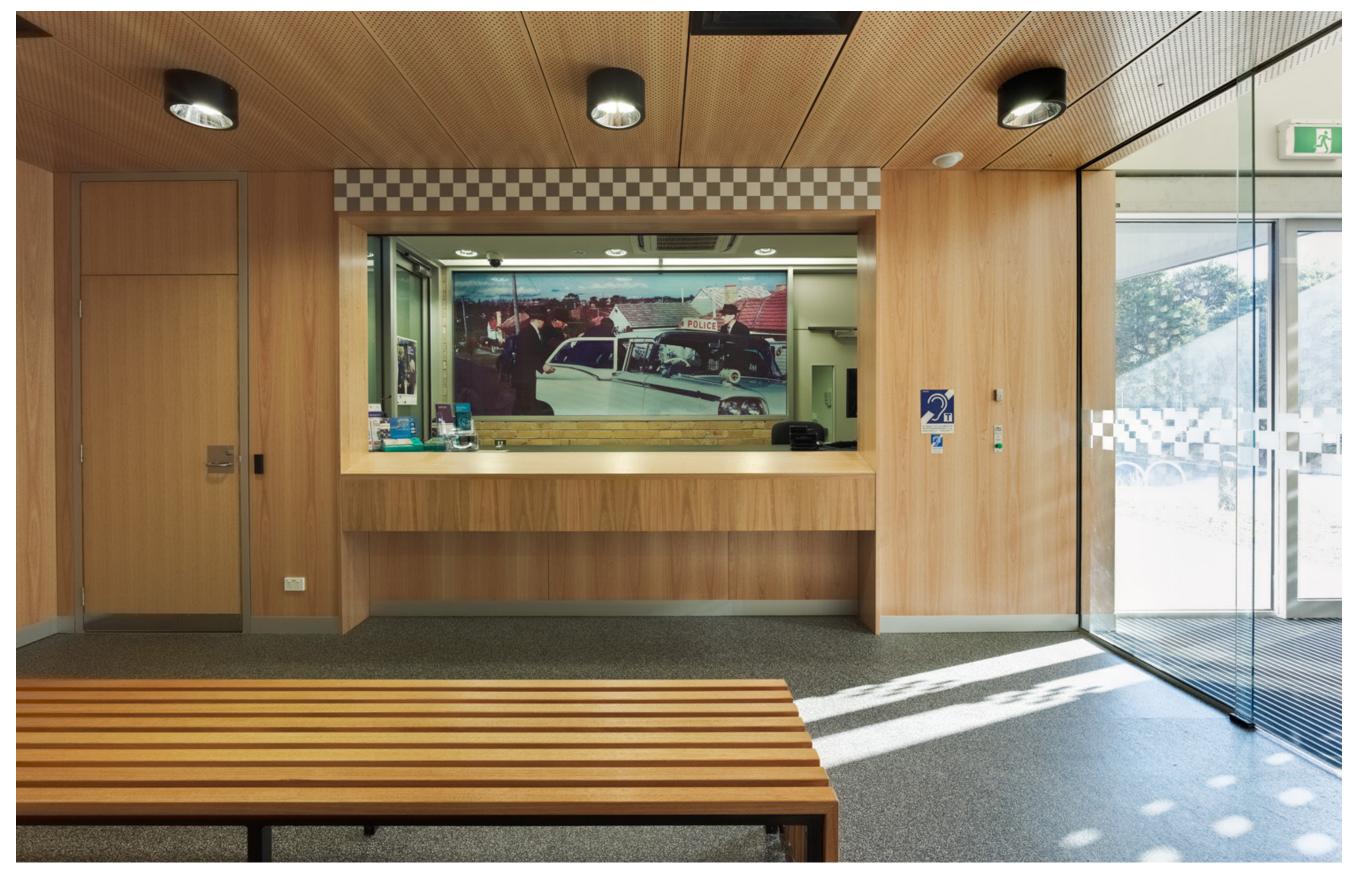
LAPD's Hollenbeck Community Police Station Los Angeles, CA



Mobile Police Station by Gesamtkonzept Hanover, Germany



Koban Police Box Kumamoto, Japan

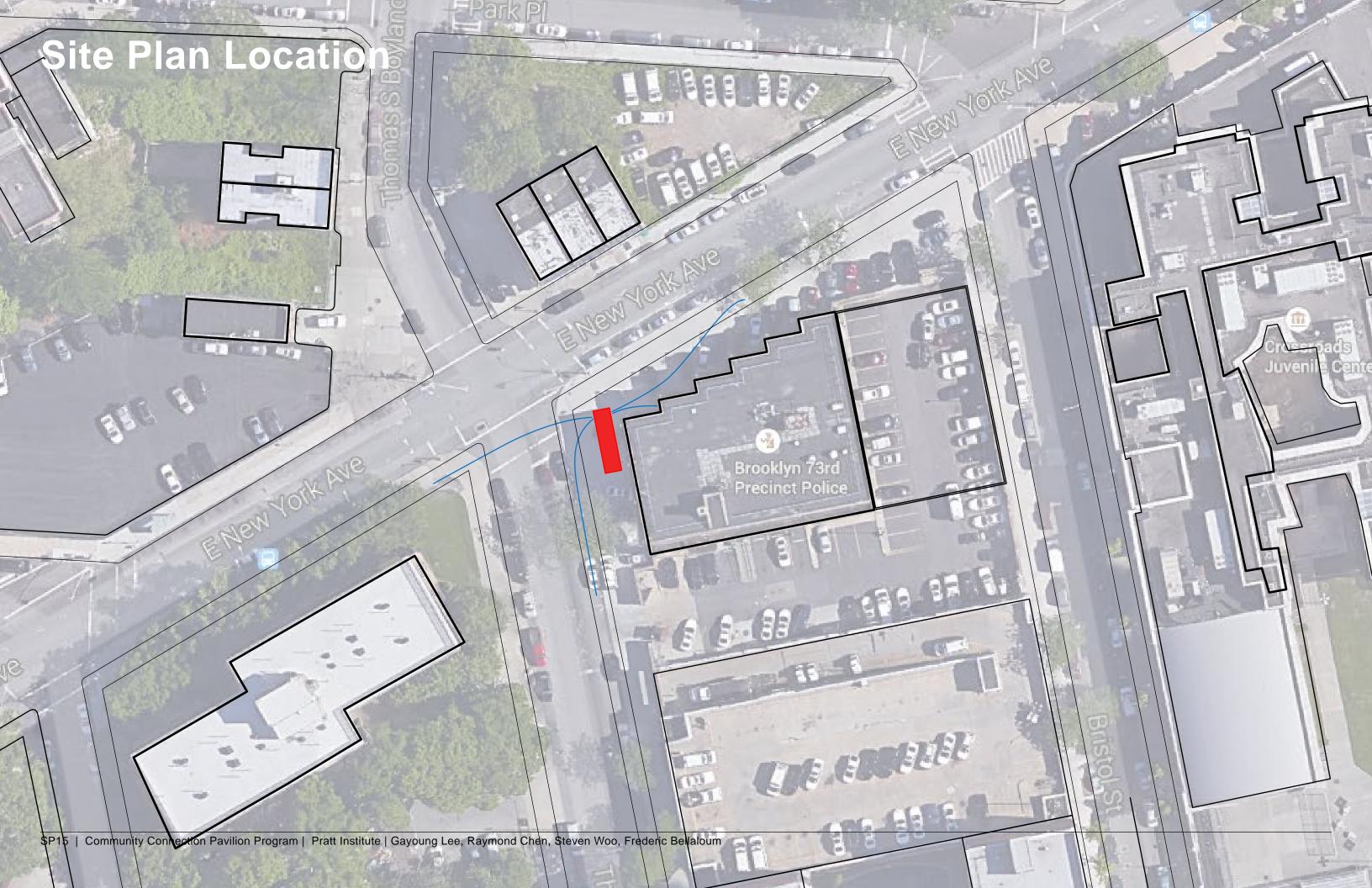


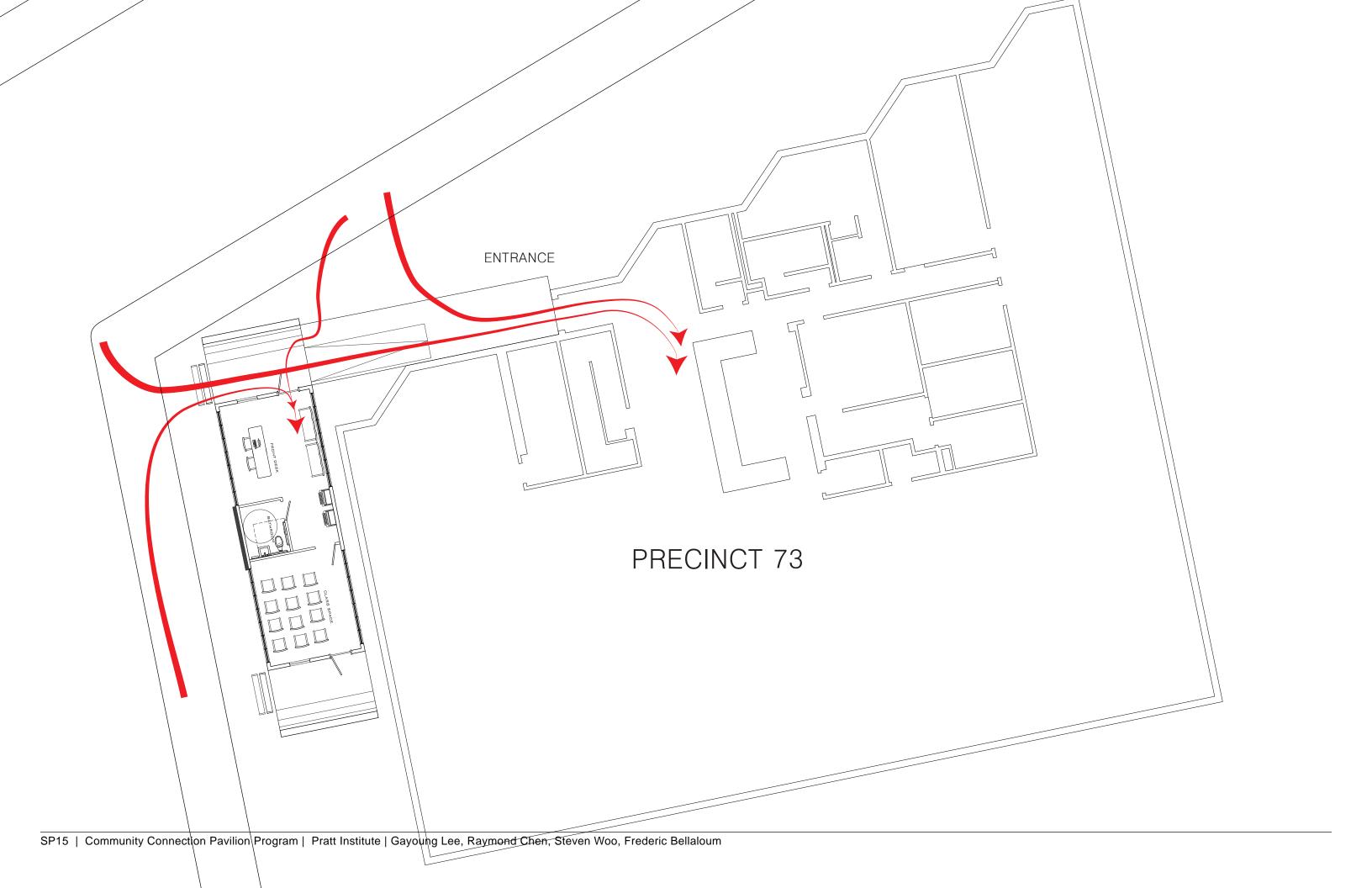
Carrum Downs Police Station, Kerstin Thompson Architects Carrum Downs, Victoria, Australia

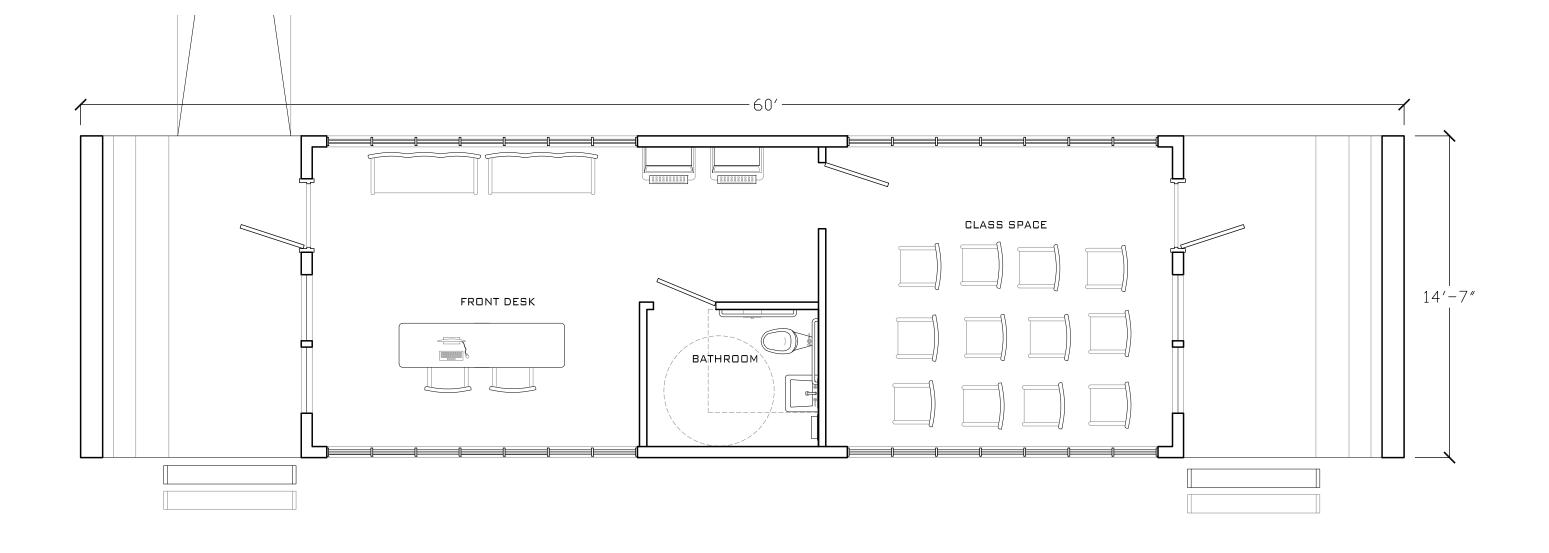
Initial Team Proposals Team End, Team Corner, Team Center

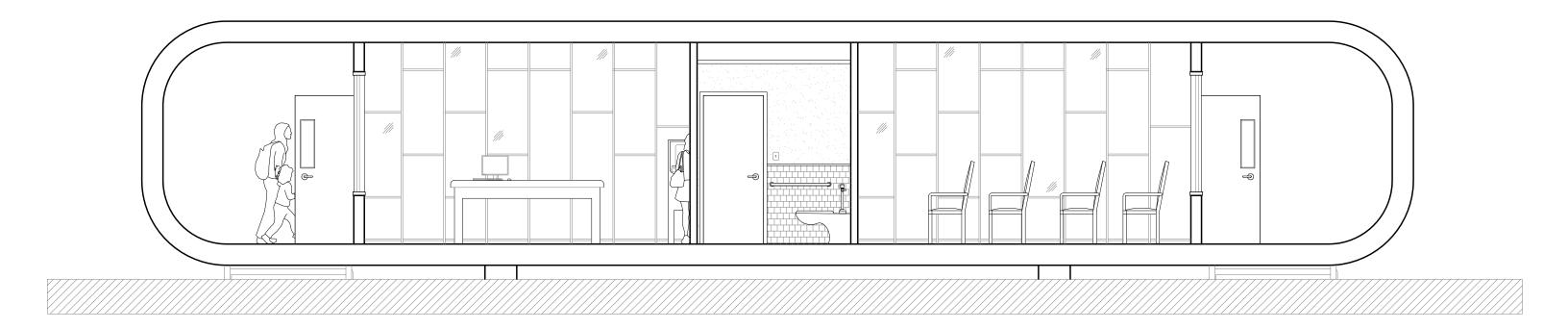
Team End

Gayoung Lee, Raymond Chen, Steven Woo, Frederic Bellaloum





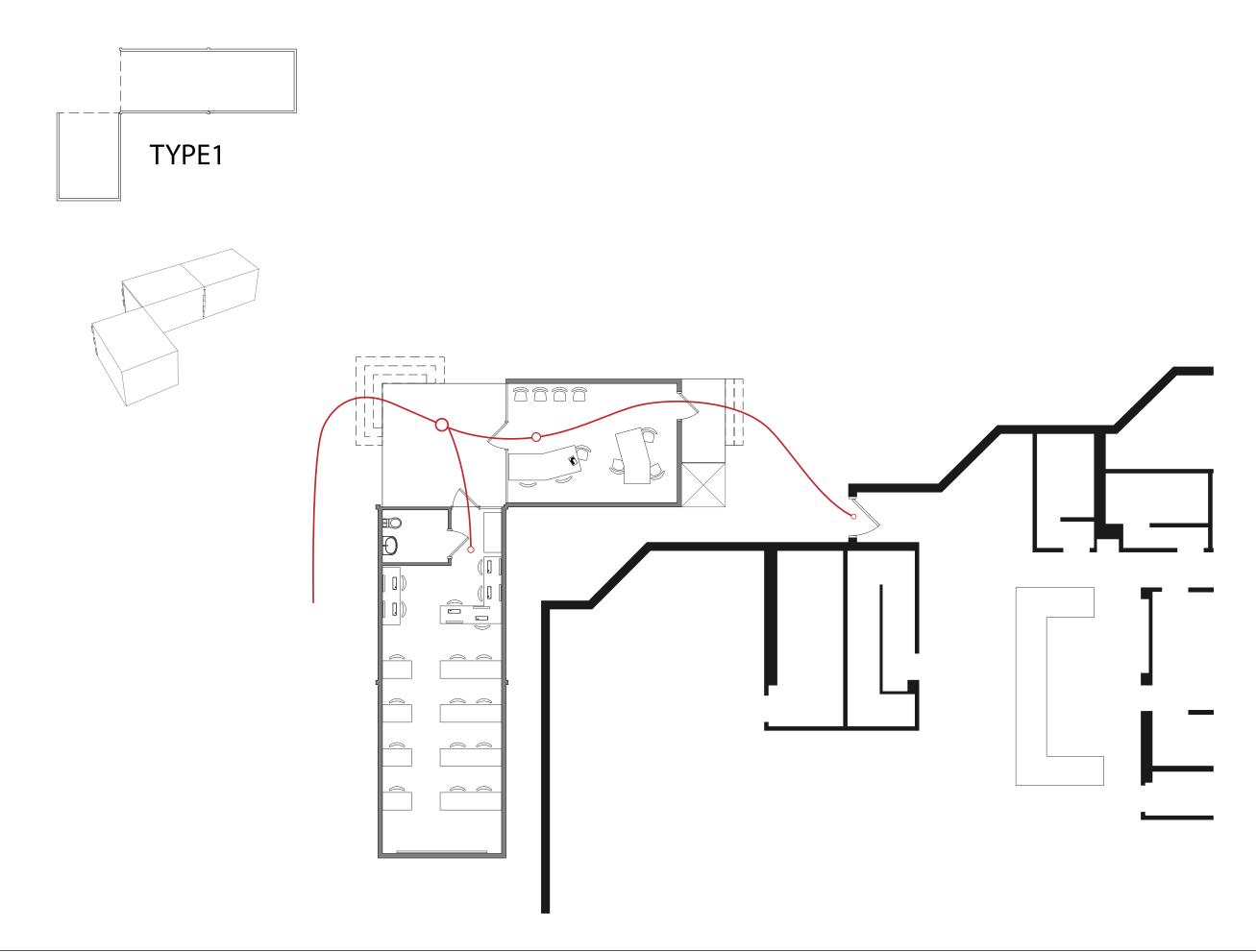


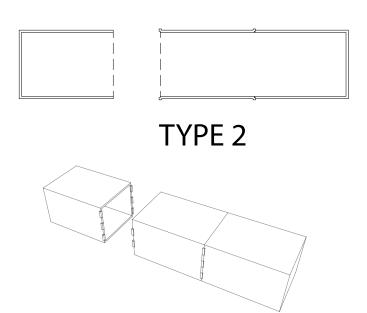


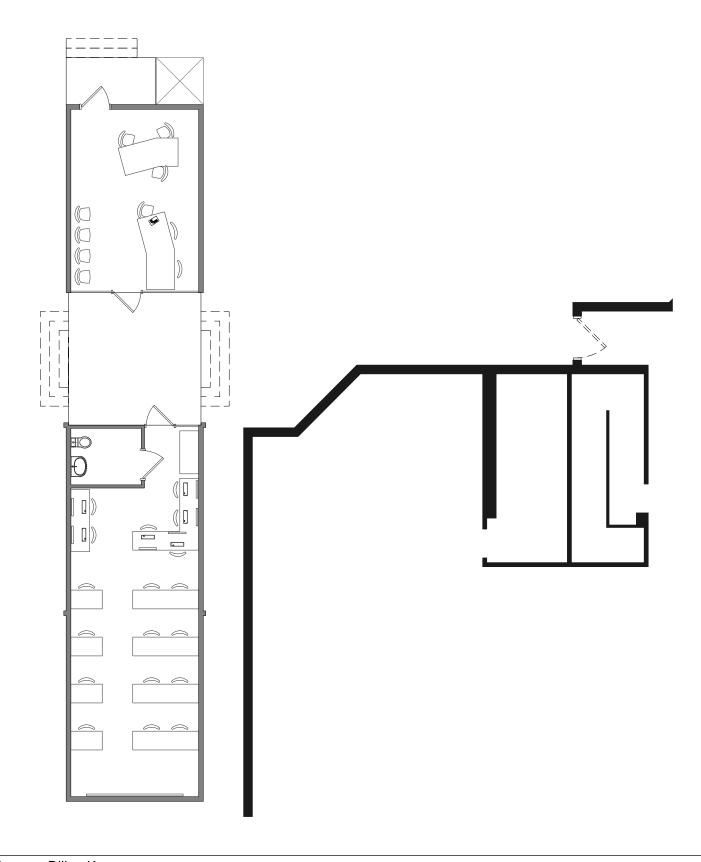


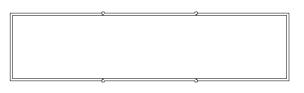
Team Corner

Heather Alford, Nicole Mastrantonio, Theron Bowers, Dillon Keane

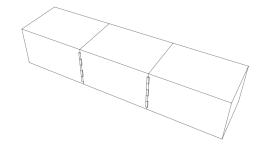


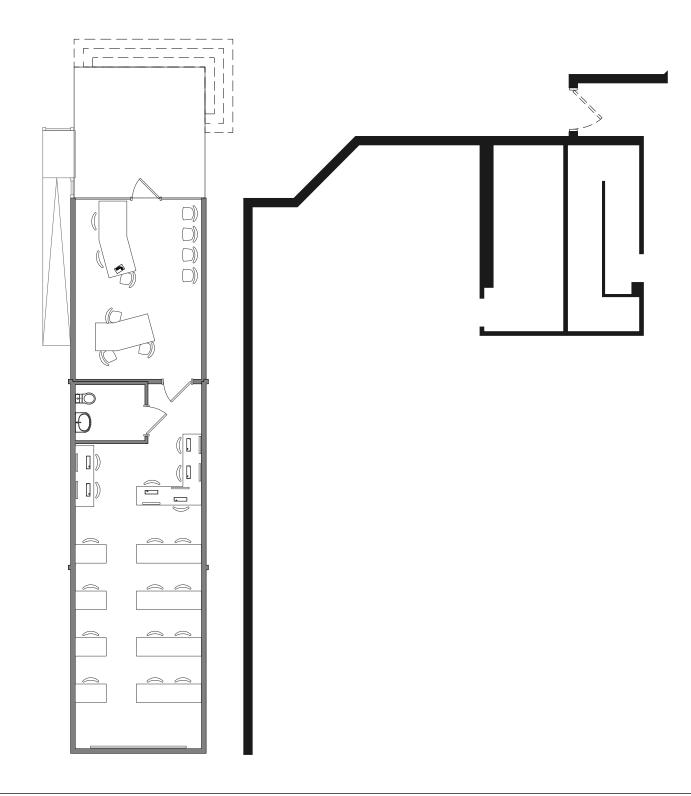


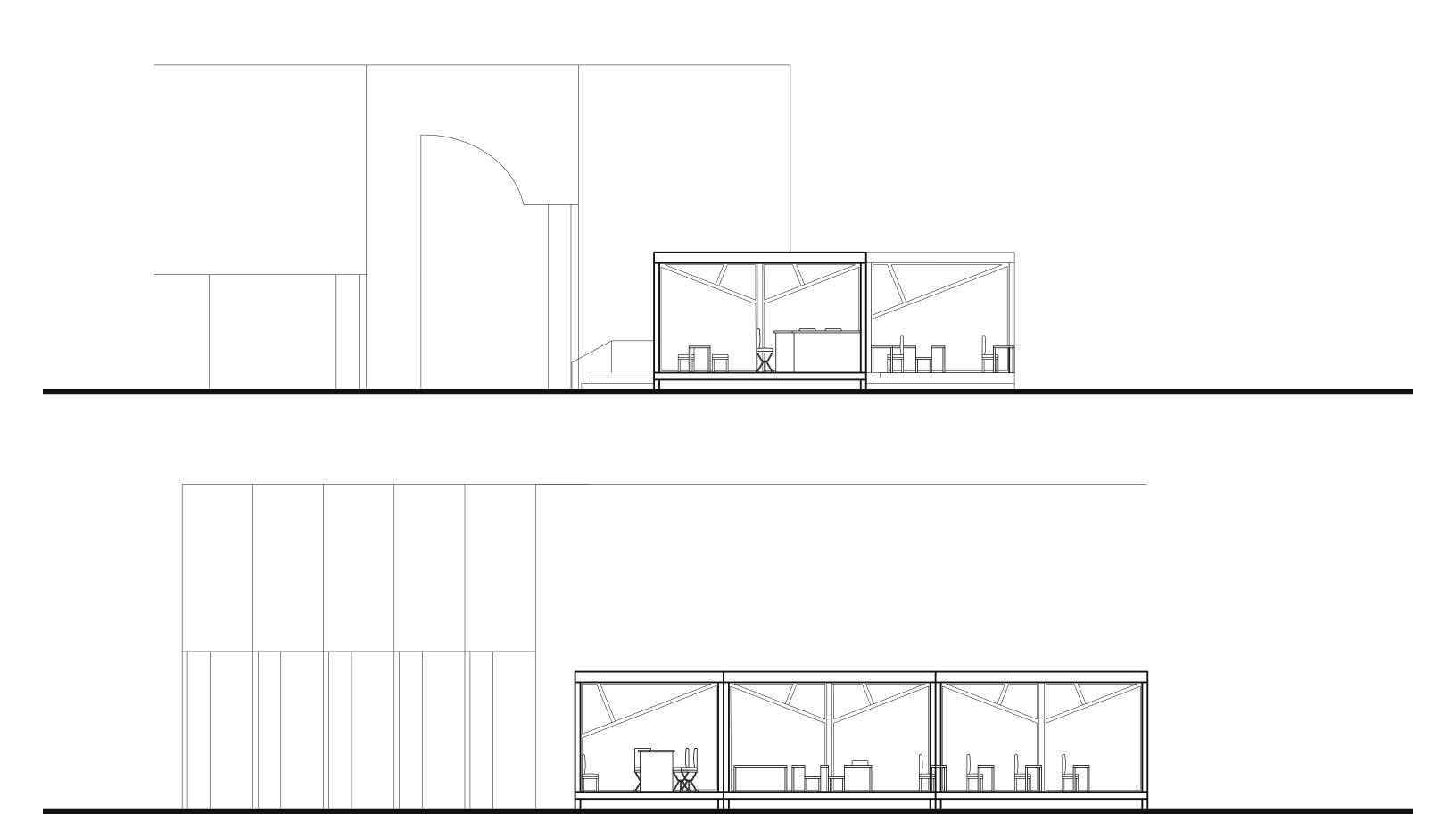




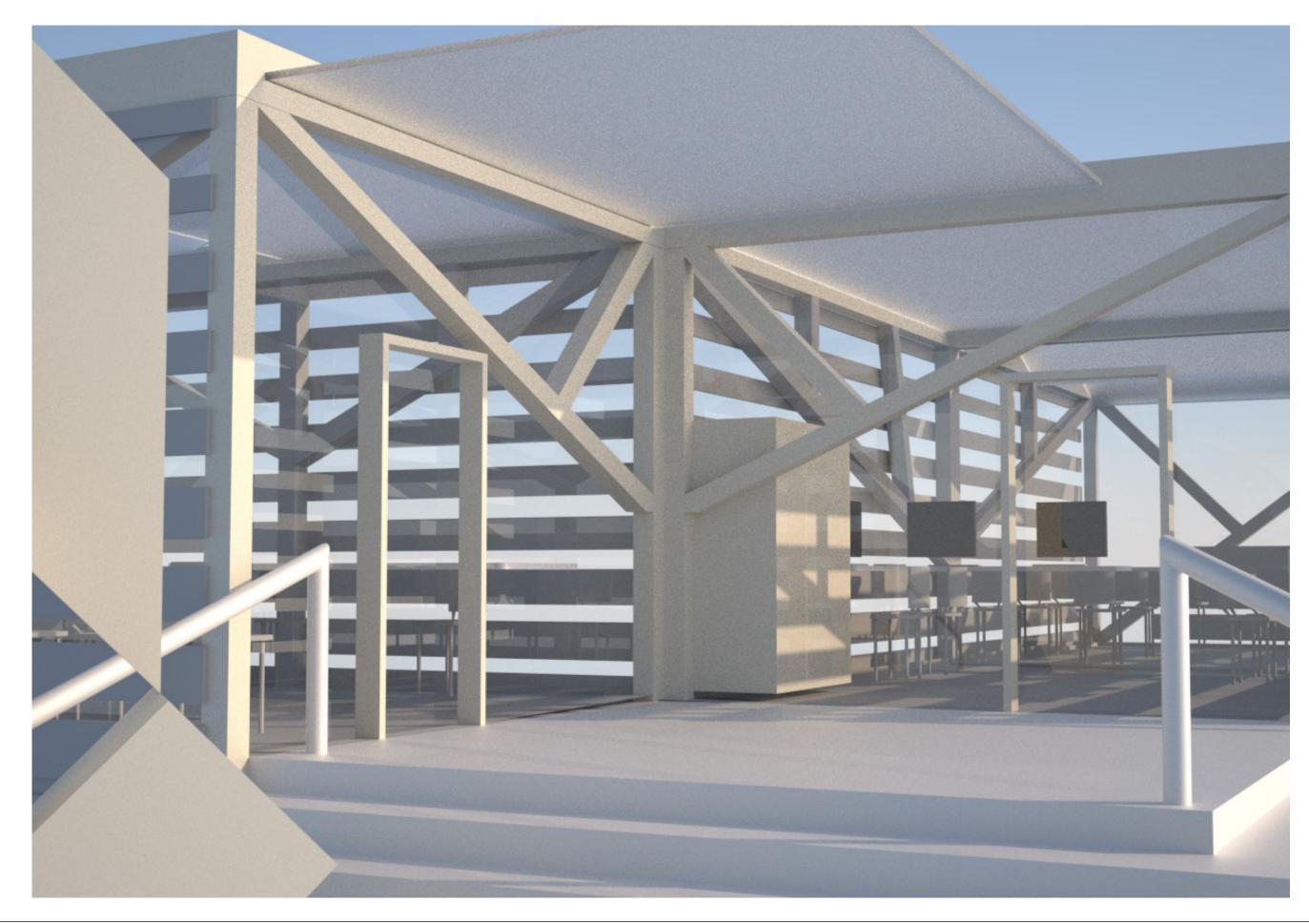
TYPE 3



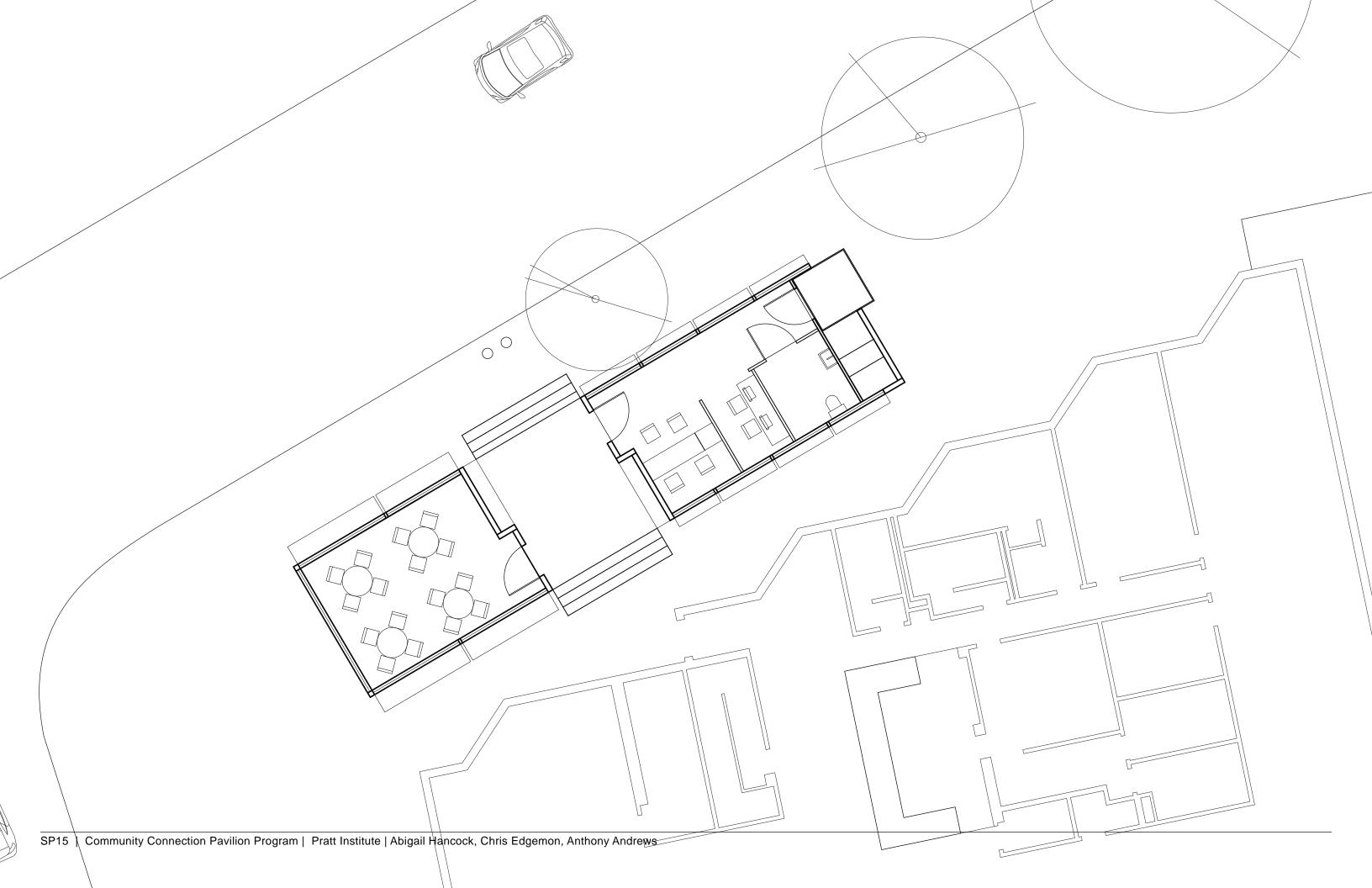


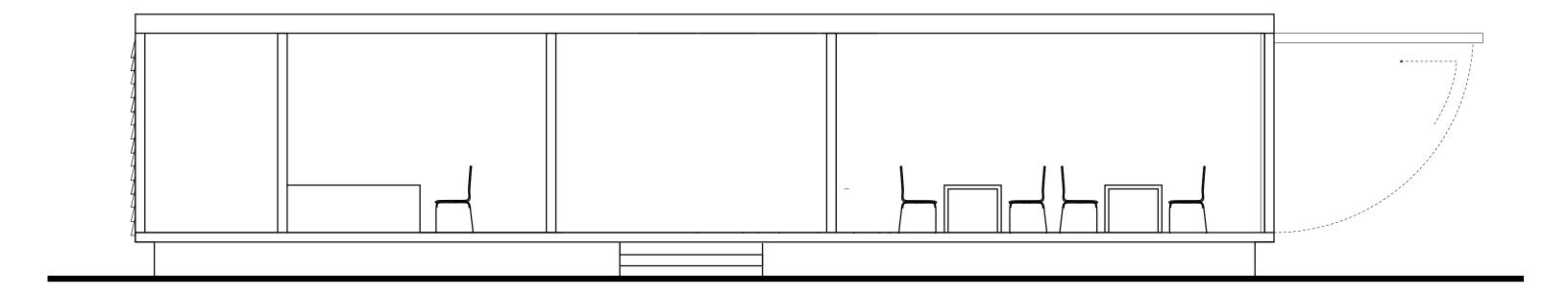


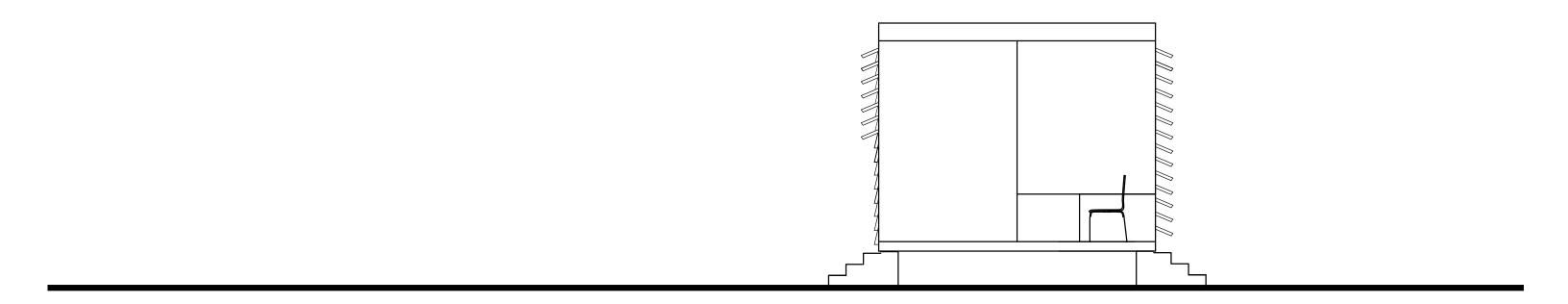




Team Center Abigail Hancock, Chris Edgemon, Anthony Andrews



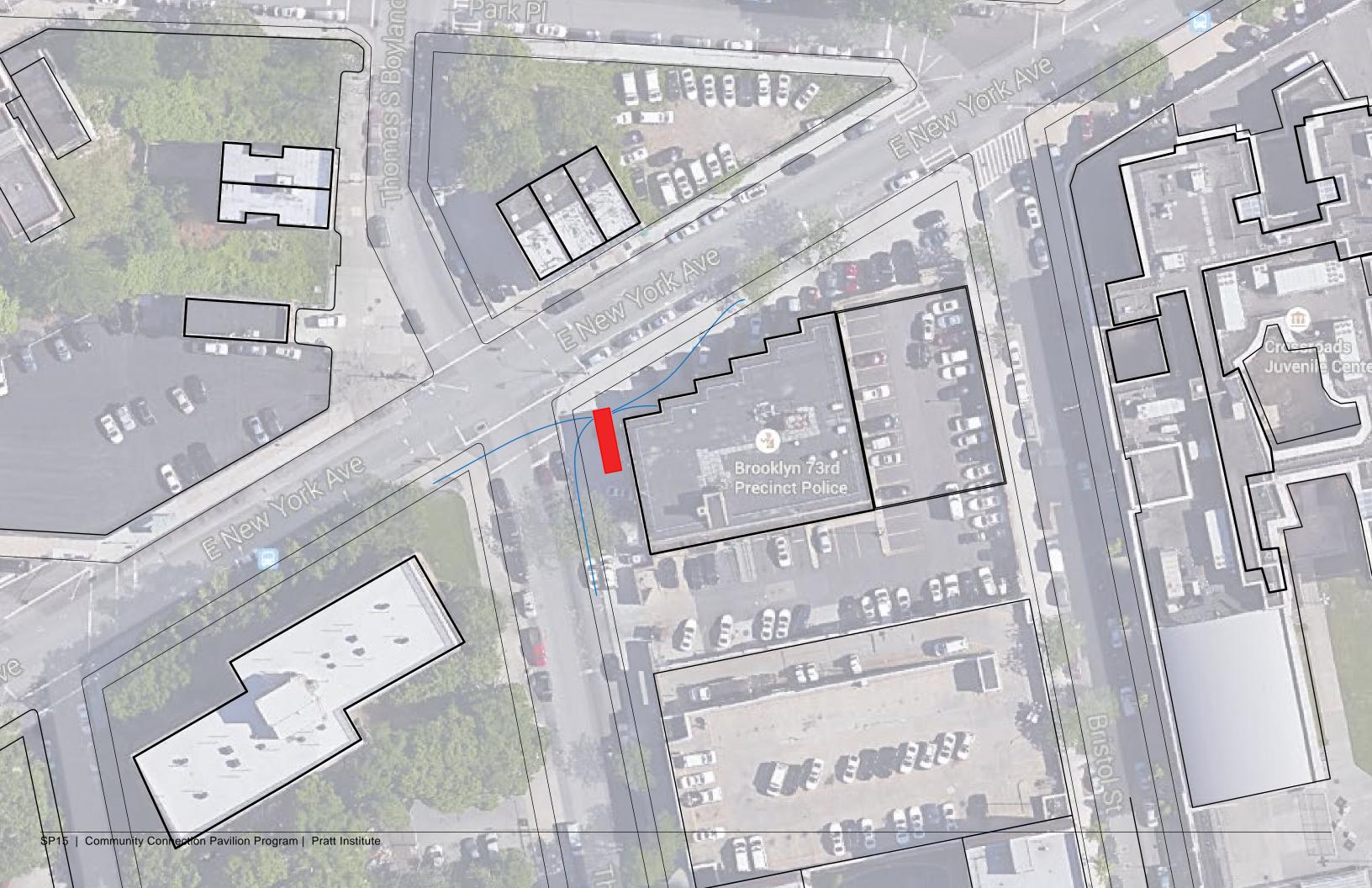


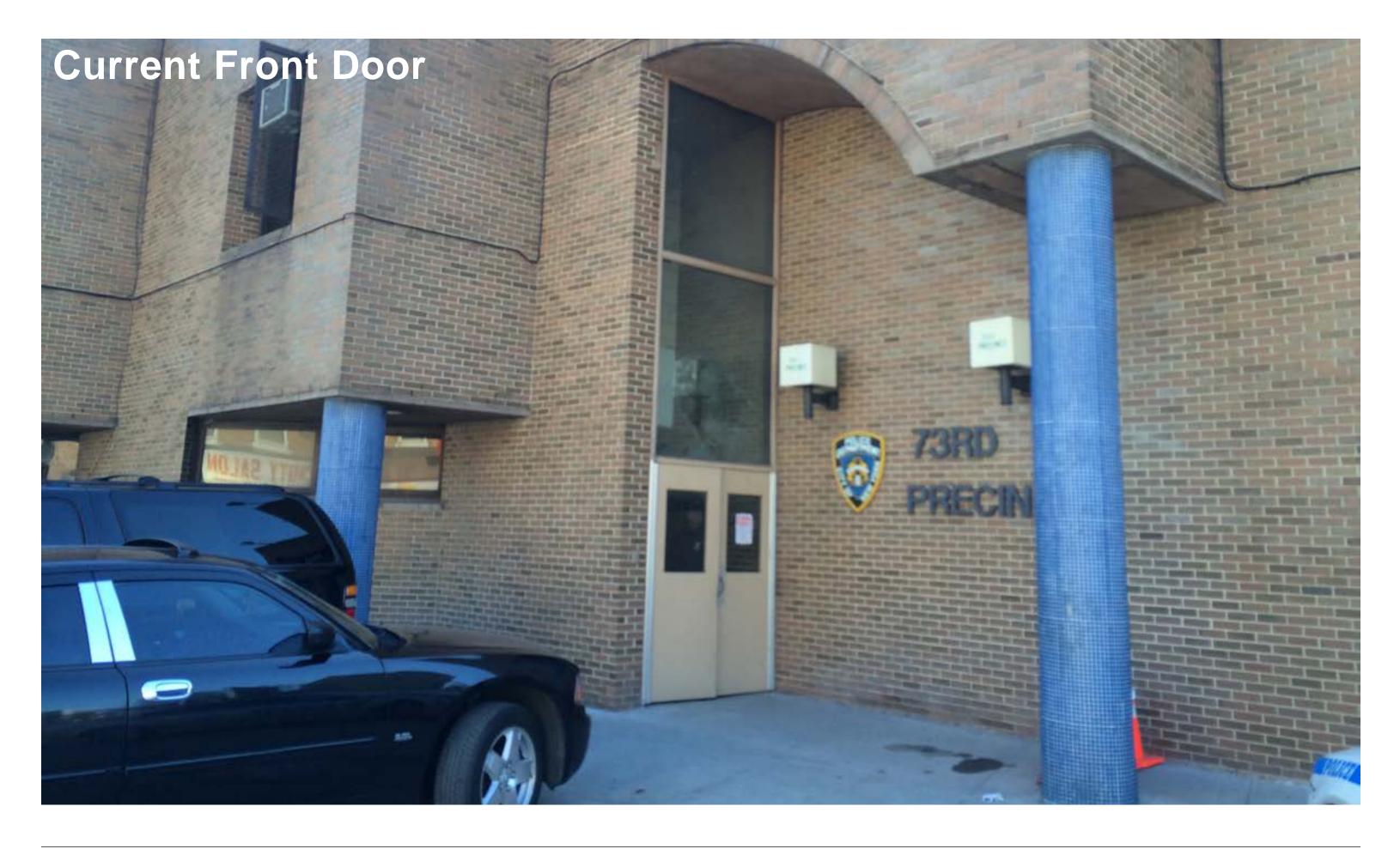


SECTIONS



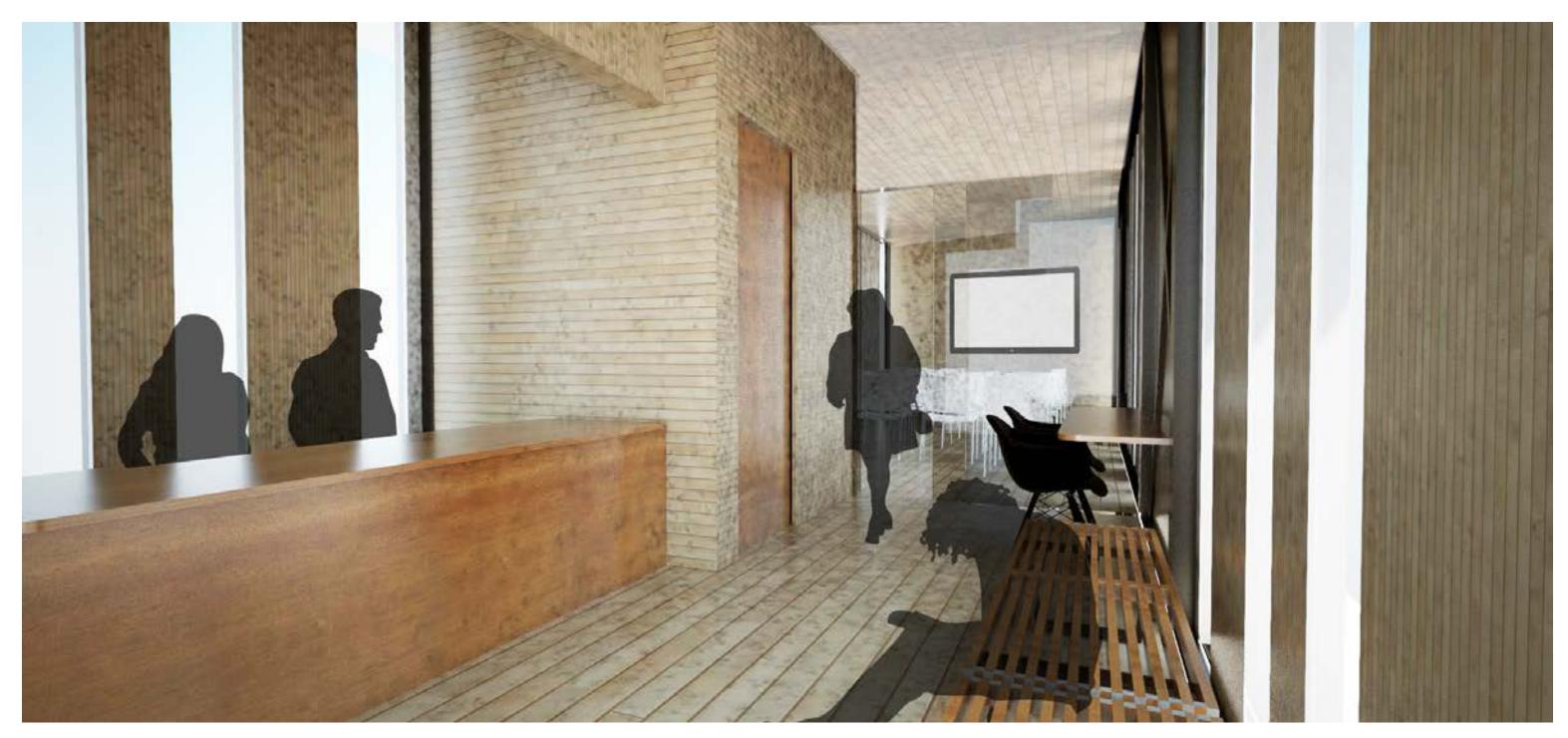
Current Proposal Location: Site of Team End



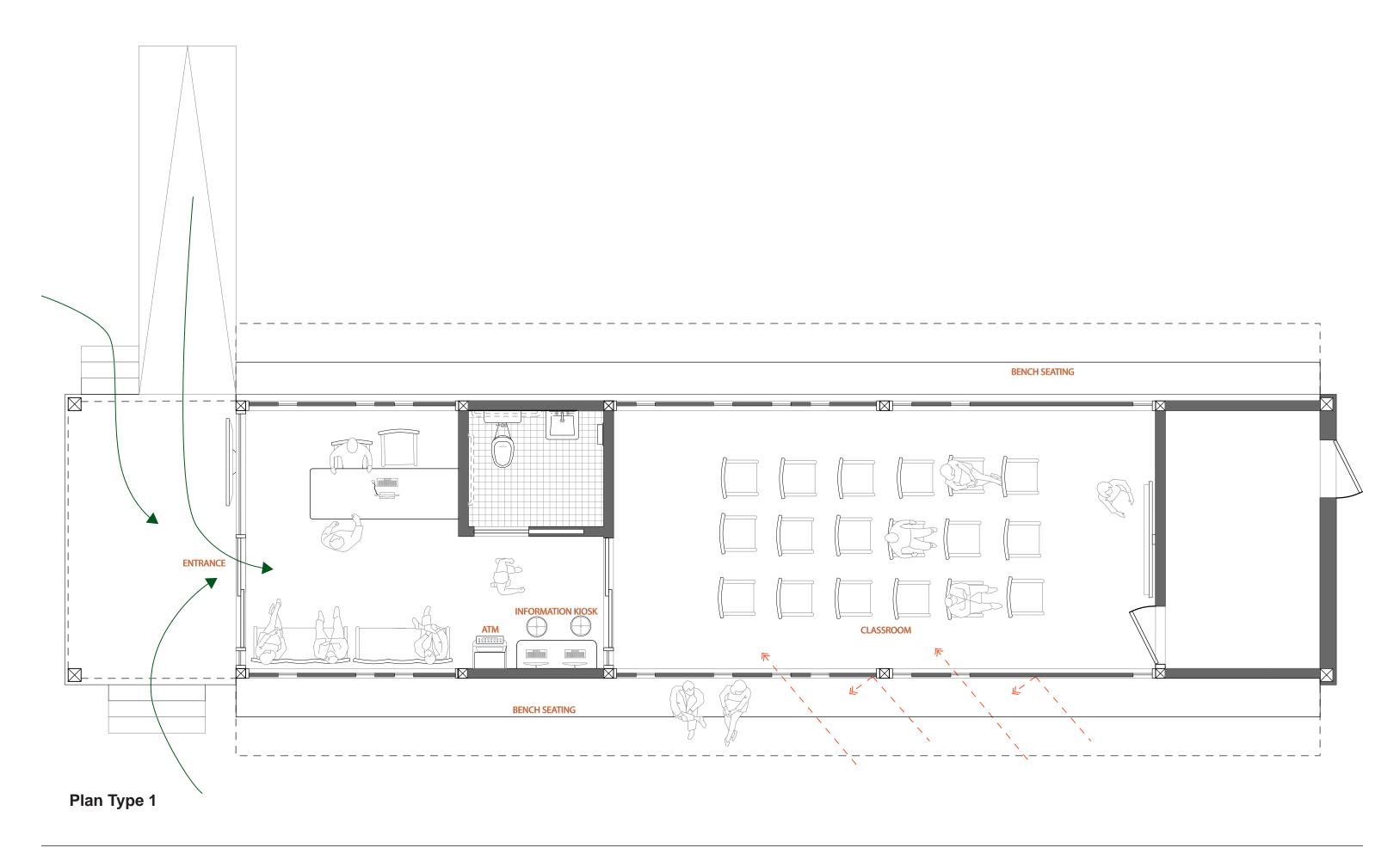


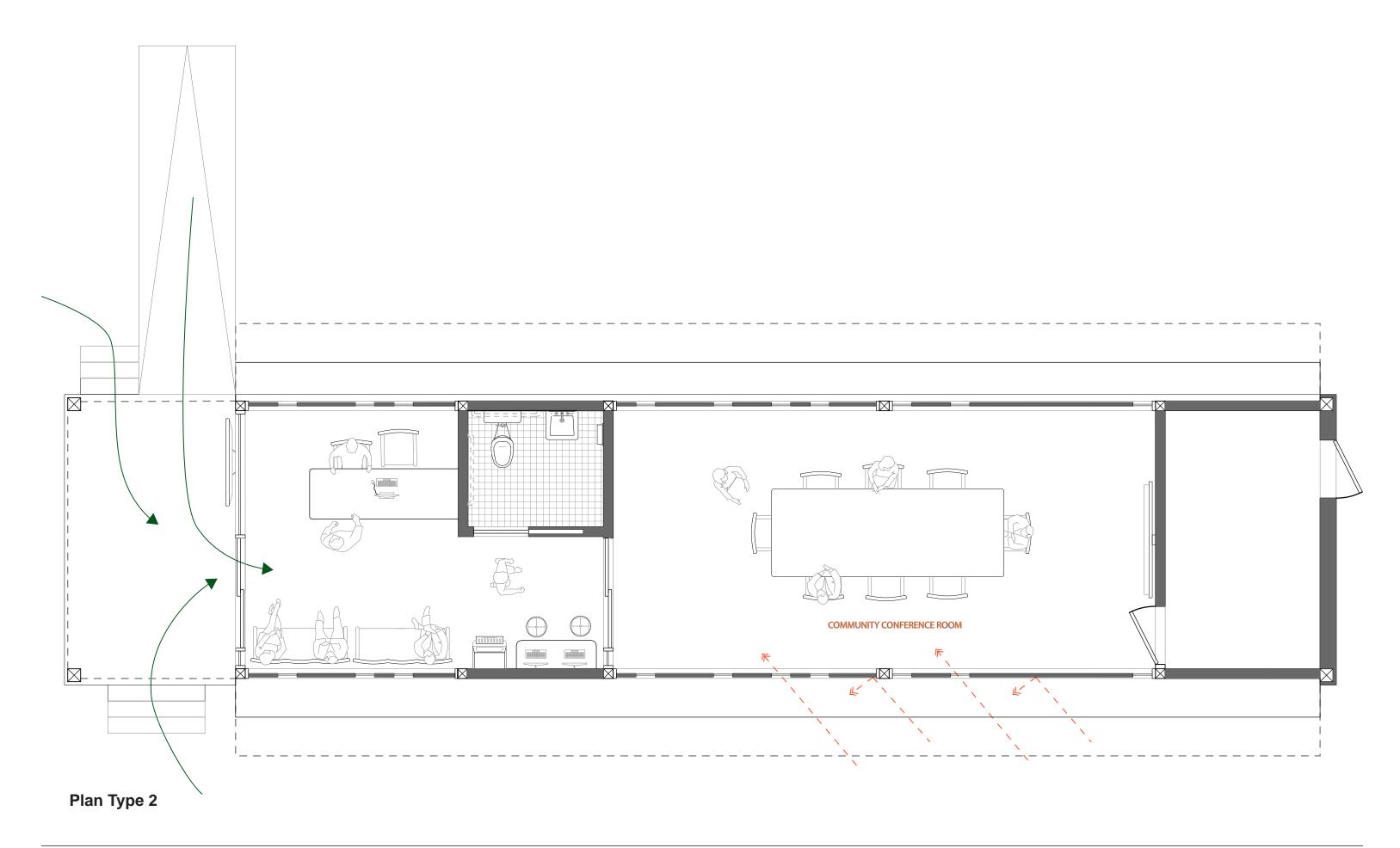


Exterior Rendering Day



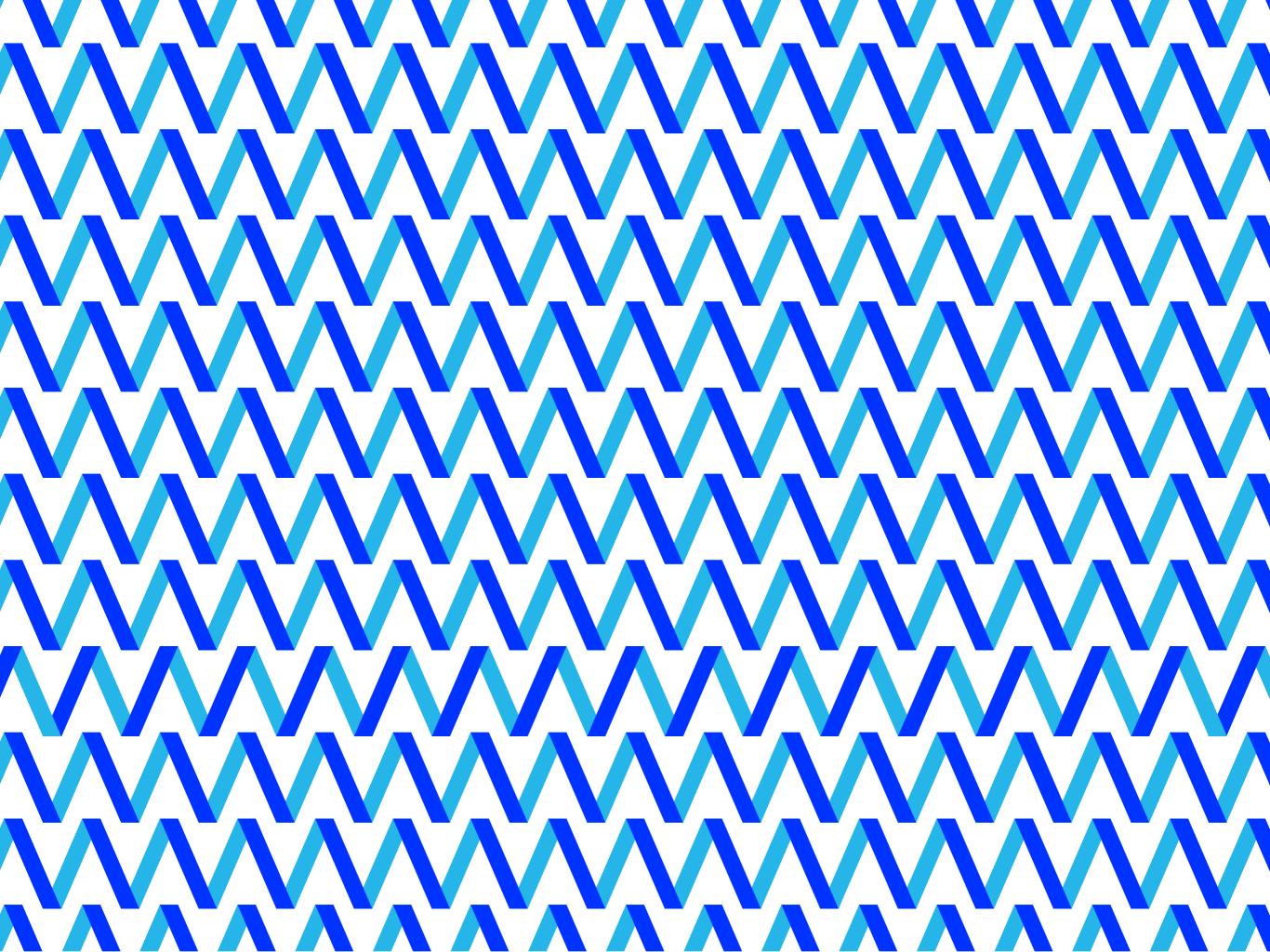
Interior Rendering







Exterior Rendering Night





SUPPORTED BY ARTPLACE

Laetitia Wolff presents at Town&Gown, Policy, Meet Design .2 May 13, 2014 AIGA/NY's mission is to demonstrate design's impact and cultivate the future of design in NYC.

We do this through:

- -connecting professional designers and students with ideas, information and each other;
- -advocating for design within the city's civil and cultural life; leading collaborative projects with local communities; and
- -championing excellent work and innovative practices.

WHAT IS DESIGN/RELIEF?

DESIGN/RELIEF is a participatory design initiative initiated by AIGA/NY and supported by ArtPlace to help three New York City neighborhoods—Red Hook, the Rockaways and Lower Manhattan—imagine a more vibrant future for themselves as they overcome the lingering effects of Superstorm Sandy.

DESIGN/RELIEF aims to:

internally:

- create a platform for designers to use design as a tool for civic engagement
- demonstrate the relevance of the design profession in the emerging practice of creative placemaking

externally:

- act as a catalyst to imagine better places,
- engage communities through a participatory design process to build a shared vision and better communicate about their roots, history, character, and people (all of them).

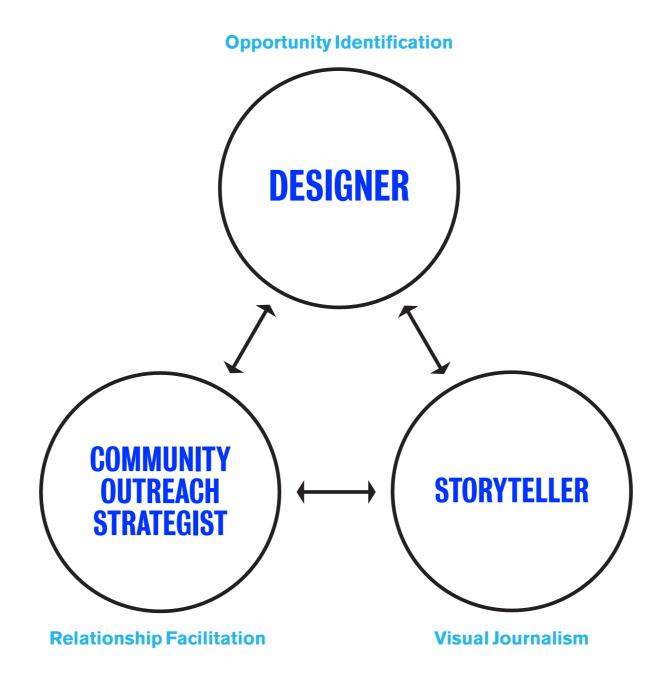
WHAT IS CREATIVE PLACEMAKING?

Creative placemaking is the intentional use of arts and artists to shape the physical, social, and economic future of communities. – ArtPlace definition

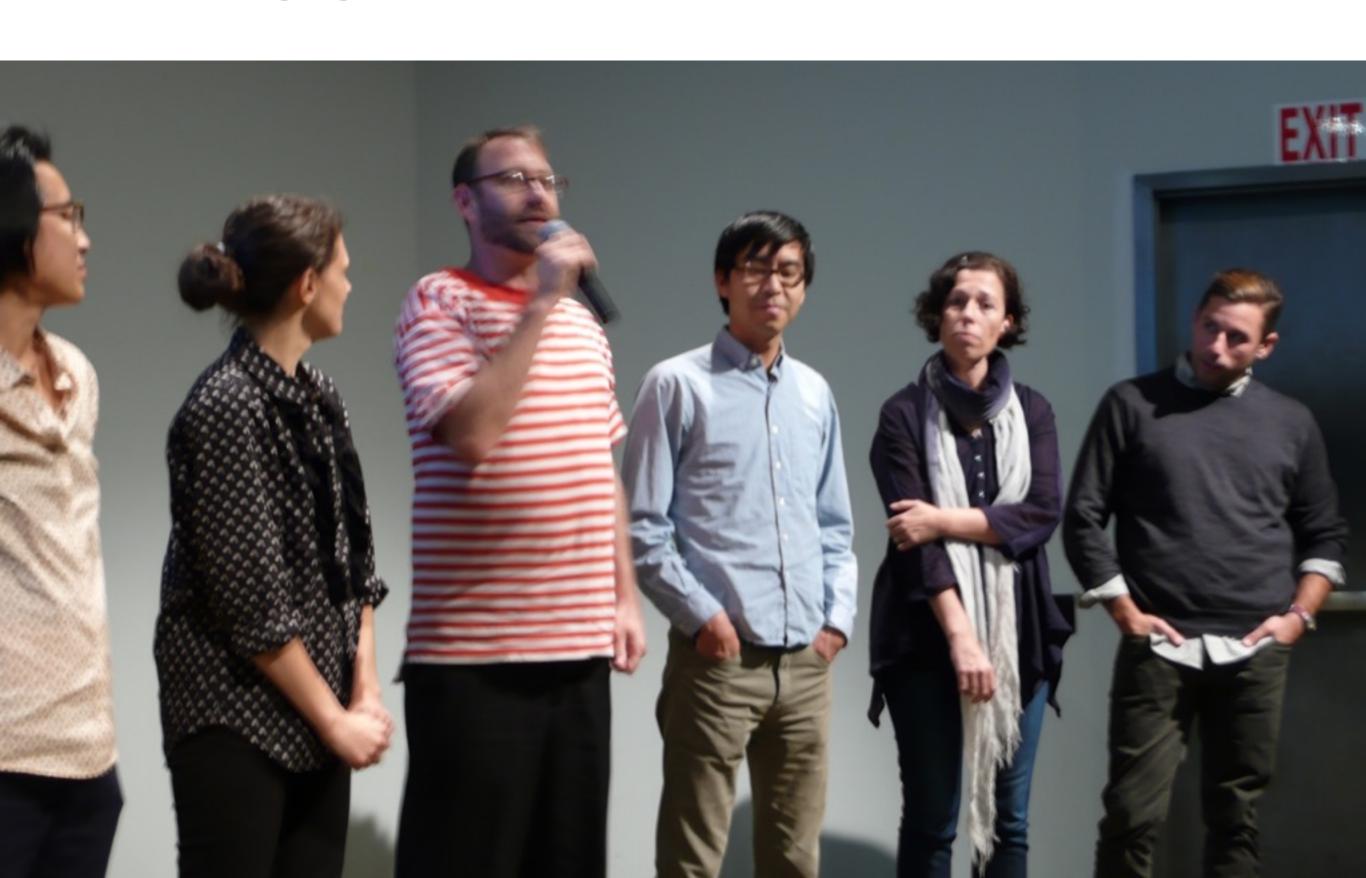
- Creative placemaking, not place making or space-making
- "Design acupuncture"; activating a place through design interventions
- "Lighter, quicker, cheaper"
- Tangible and easily deployable solution to tough urban design issues

DESIGN / RELIEF PROJECT STRUCTURE

DESIGN TEAMS



RED HOOK TEAM





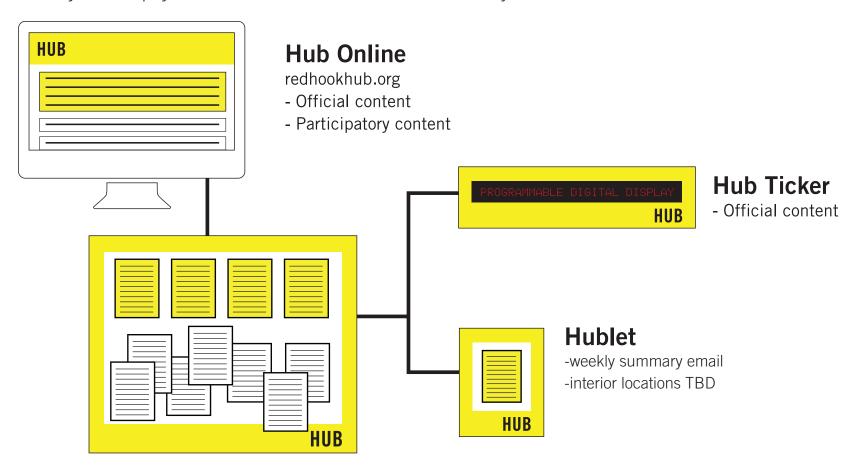
COMMUNITY ENGAGEMENT and CO-CREATION

RED HOOK

Sharing community information

RED HOOK HUB SYSTEM

The Hub is a system of physical installations and an online community:



Hub board @ Miccio Hub board @ Red Hook Library

- Official content
- Participatory content

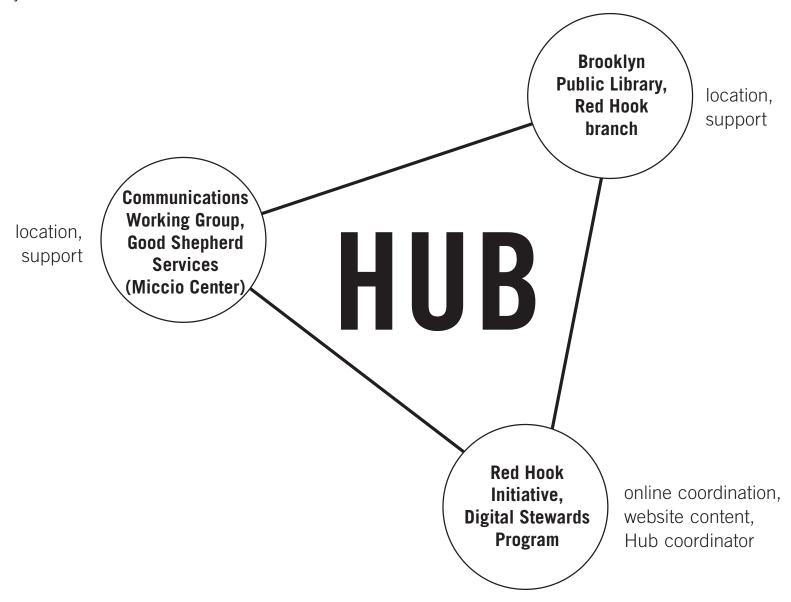
RED HOOK HUB LOCATIONS

Hub bulletin boards will be placed in two confirmed locations; the Hub ticker is currently located on Van Brunt street; Hublet locations will be designated at multiple neighborhood locations.



RED HOOK HUB PARTNERS

Our partners are key community stakeholders who provided essential assistance, support and feedback throughout the project:



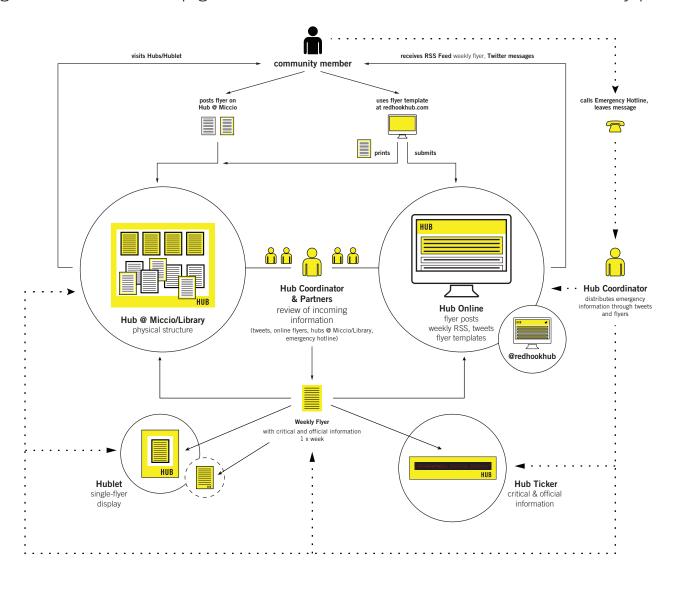
RED HOOK HUB OUTREACH



Red Hook Houses East Red Hook Houses West Digital Stewards Workshop Community Workshop Red Hook Hackathon

RED HOOK HUB OPERATIONS

The Hub operations will be managed by a Hub coordinator, overseen by the Hub partners and residing at RHI. Multiple meetings were held to develop guidelines and initiate the transition to the community partners:



RED HOOK HUB RED TAPE

Getting NYCHA approval for the Miccio site was arduous. We presented the HUB to NYCHA representatives in early May. After nearly 50 emails cc'ed to over a dozen NYCHA employees, the process included a visit to the Brooklyn DOB and DOT, which resulted in this, handwritten document, provided by a nice lady named Deborah Sauls:

Ms. D. Sauls, Supr. of Brooklyn Permit

CD. O.T.

16 Court St.

(118) 222-7225

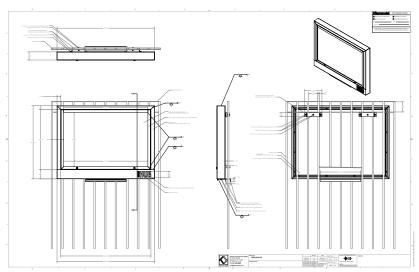
from D.O.T.

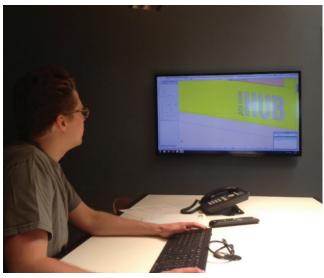
Use do not need a permit to
beautify the Miccio Center
bulletin board on the NYCHA
property @ 110 W. 9th St.

Schrah Sauls

RED HOOK HUB FABRICATION

The fabrication was done by Kammetal, a metalwork shop based in Red Hook:









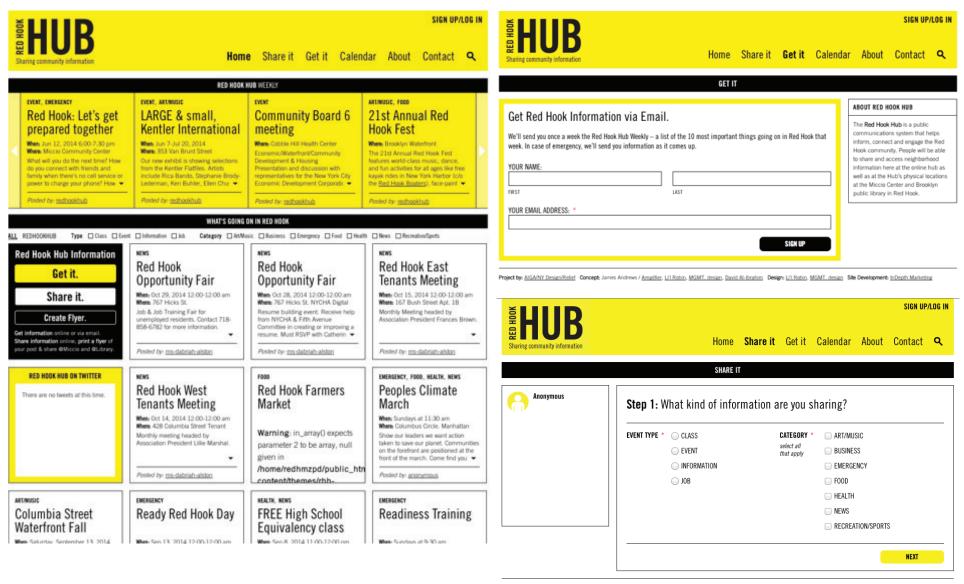




Justin, Dragon and Carlos at Kammetal

RED HOOK HUB SITE

A website was discussed early in the process but not implemented until April. Designed and developed within an extremely compressed schedule, the site serves as a digital Hub for the community, organizing the content in a simple, accessible way:



RED HOOK HUB PUBLIC EVENTS







Red Hook Fest, Red Hook Readiness Day

RED HOOK HUB COMPONENTS

The Hub has component parts that can be flexible and configurable based on location and community needs:



Hub board @ Miccio Center: front view schematic



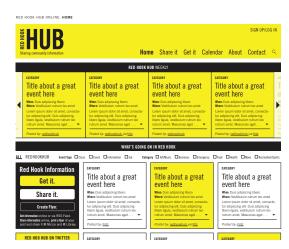
Hub board @ Miccio Center: back view schematic



Hub board @ Library location: front view schematic



Hub ticker: RSS feed



Hub website: www.redhookhub.org



Hub campaign: hangtags, buttons, stickers, temporary tattoos!



New York School of Interior Design

New York School of Interior Design



Design Informed by Research

- 1. Research community-police relations policy and theory
- **2. Interview** key constituents:
 - Representatives of the NYPD
 - Representatives of the 73
 - Members of the community
 - Representatives of the Municipal Credit Union
- 3. Visit and **Survey** the site, documenting existing conditions
- 4. Create a formal **Program of Requirements**
- 5. Work collaboratively to create 2-3 alternative design solutions, including interior design and environmental graphic design
- **6. Present** to the NYPD and the community
- 7. Develop "Interior Design Intent Drawings"
- 8. Conduct a **post-occupancy evaluation (POE)** to judge user **satisfaction**