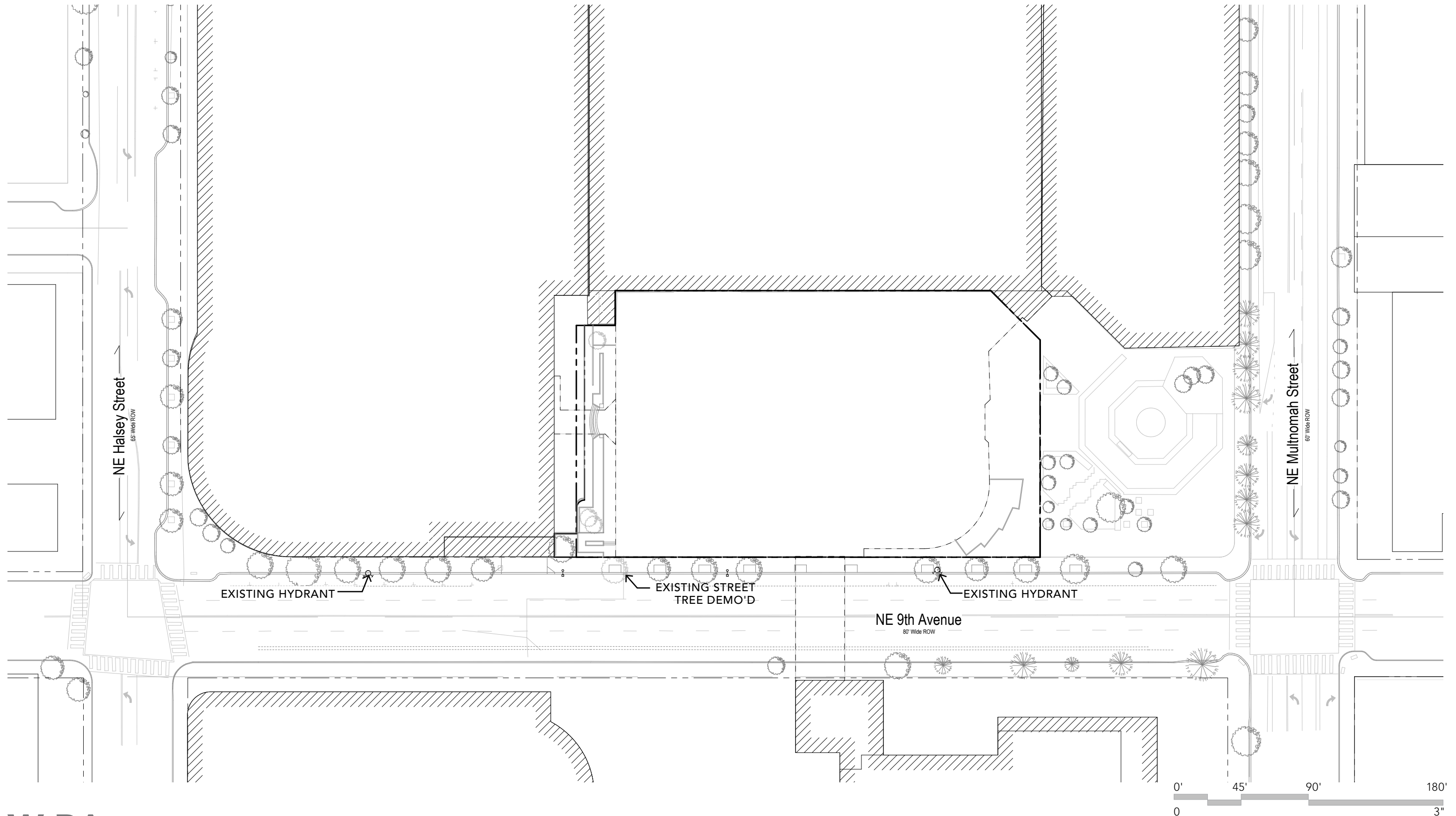
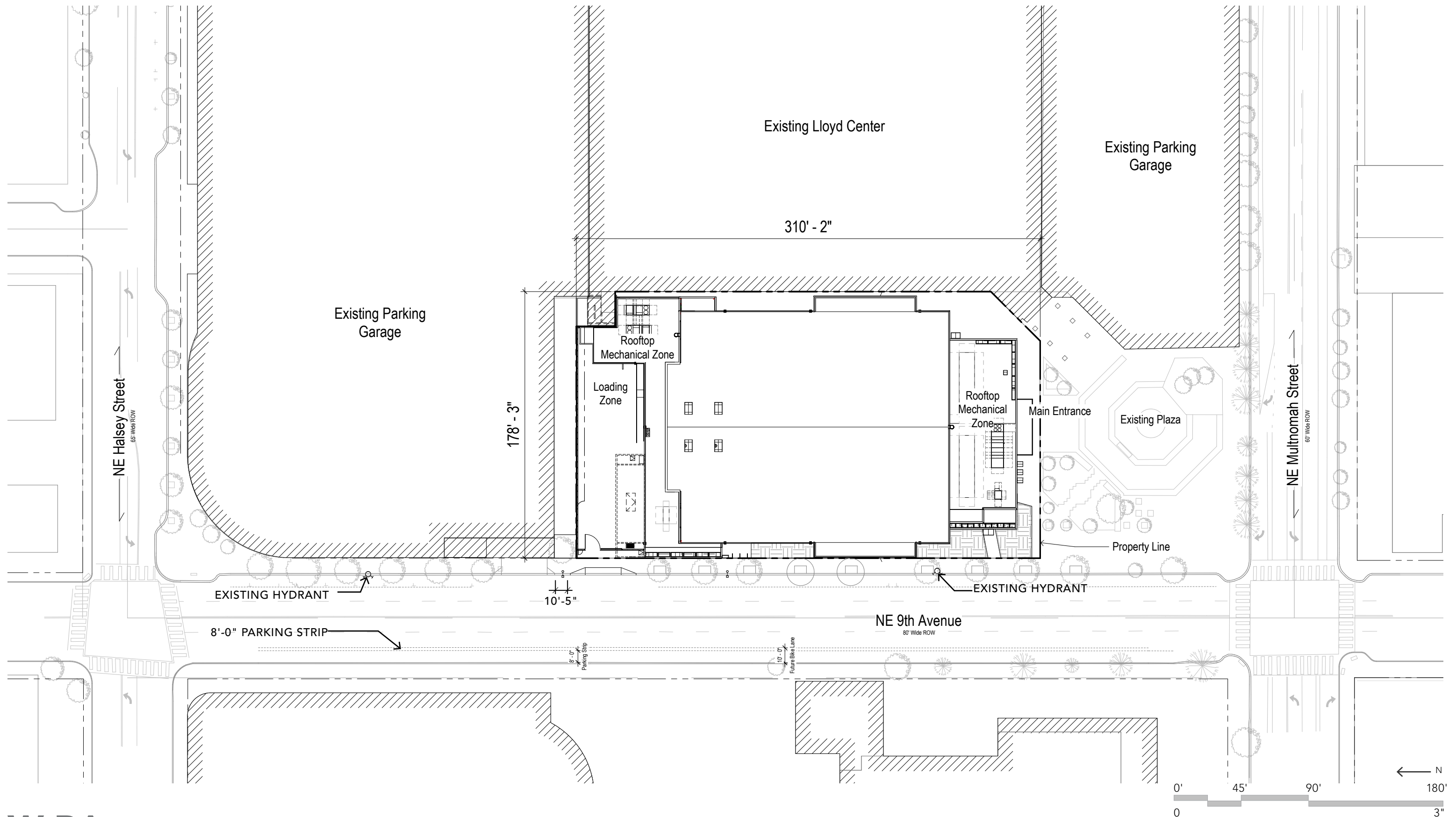
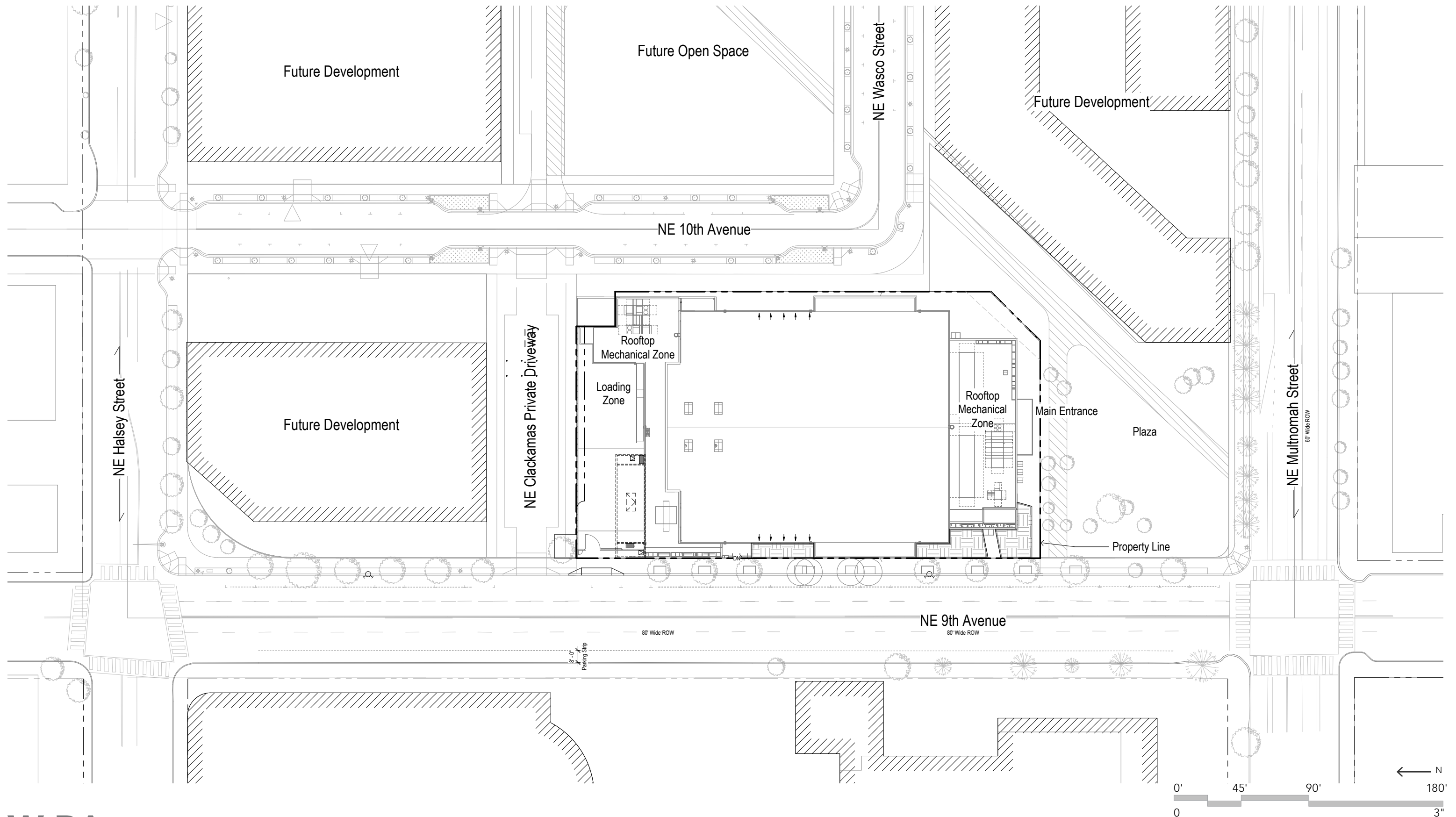


C.1 SITE PLAN
EXISTING



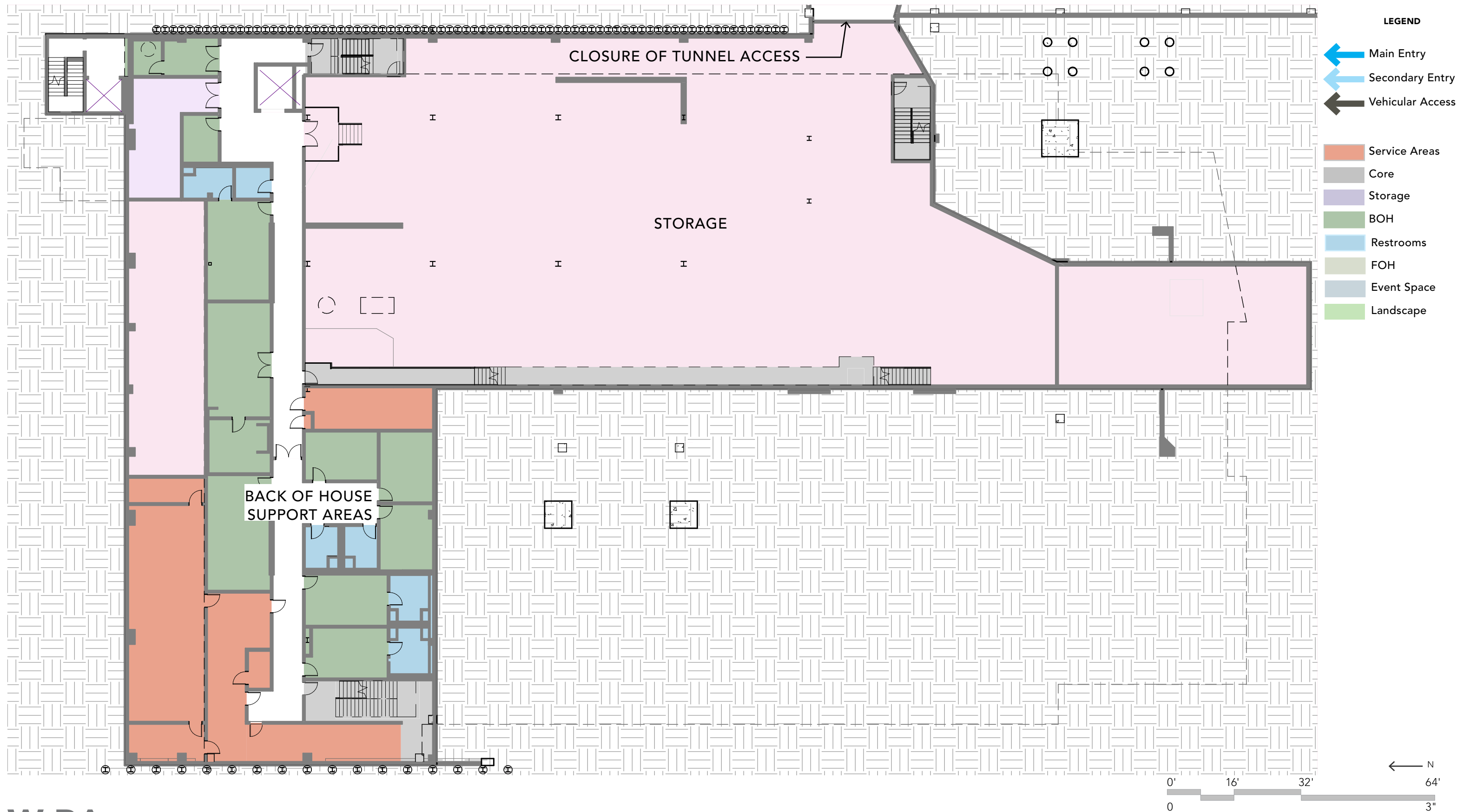


C.3 SITE PLAN
FUTURE CONDITION



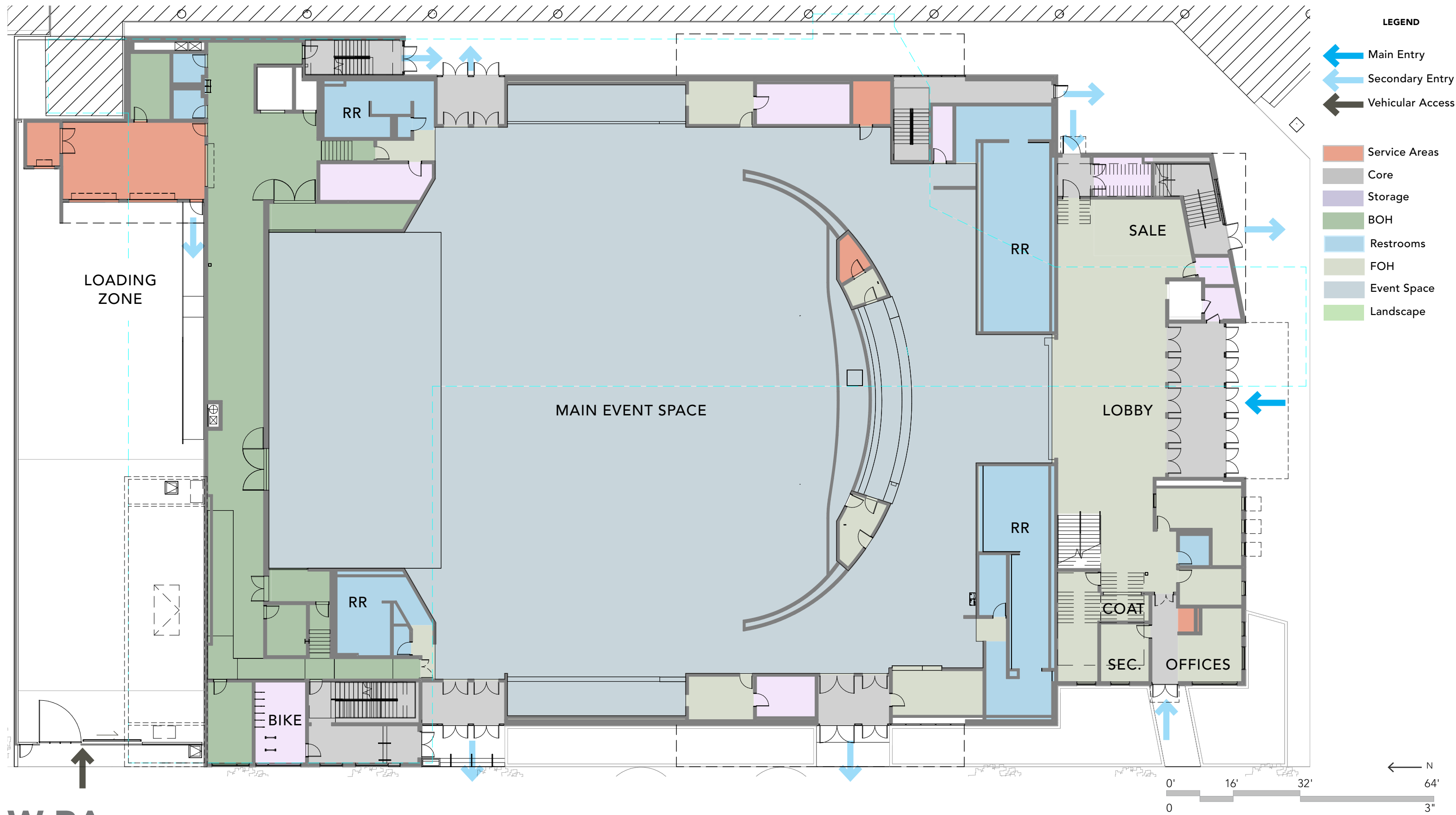
C.4 BUILDING PLANS

BASEMENT FLOORPLAN



C.5 BUILDING PLANS

LEVEL 1 PLANS

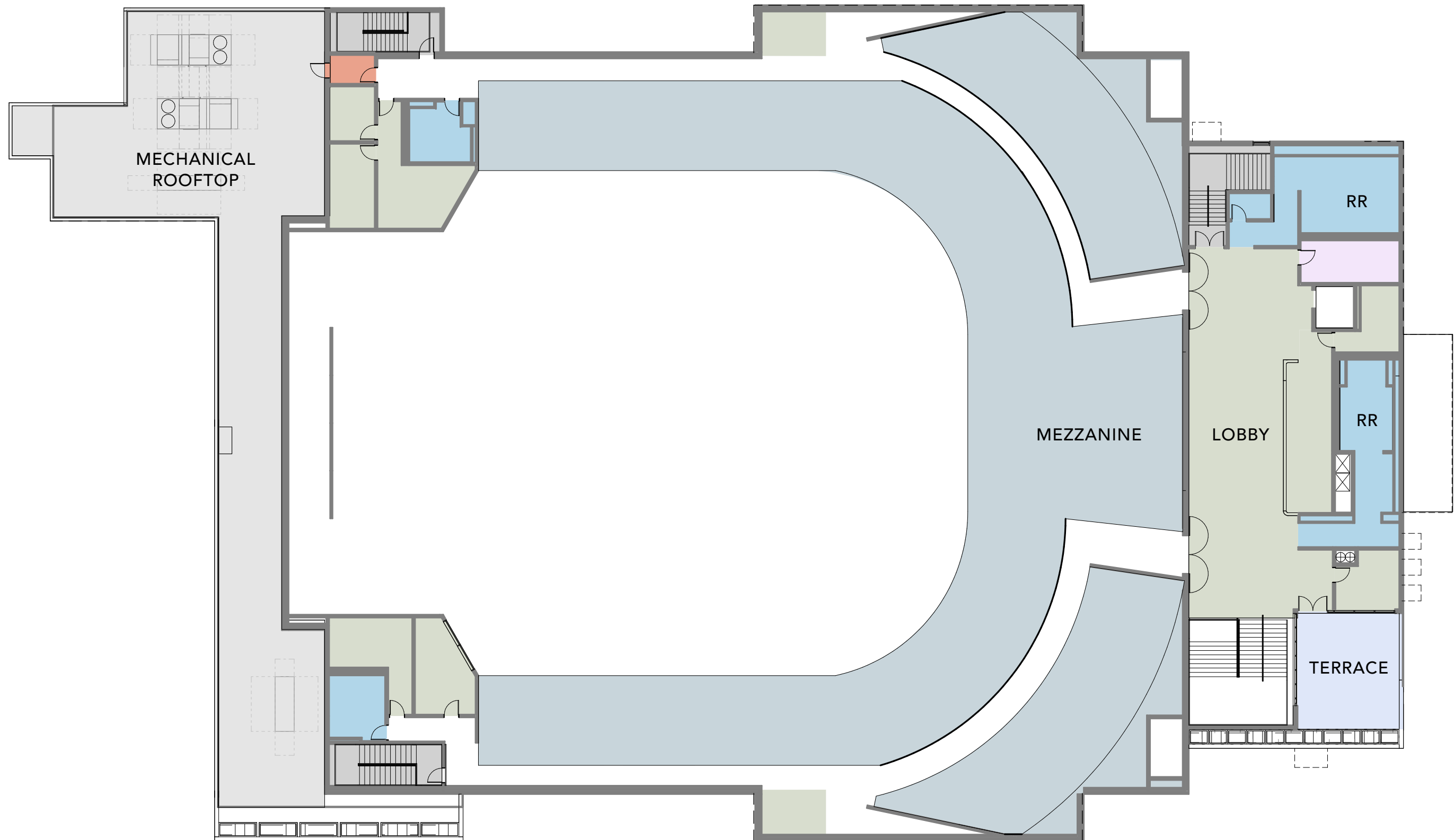


LEGEND

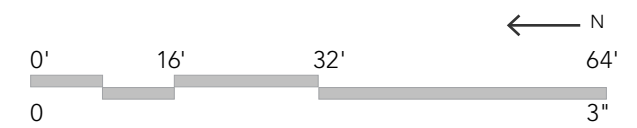
- Main Entry
- Secondary Entry
- Vehicular Access
- Service Areas
- Core
- Storage
- BOH
- Restrooms
- FOH
- Event Space
- Landscape

C.6 BUILDING PLANS

LEVEL 2 PLAN

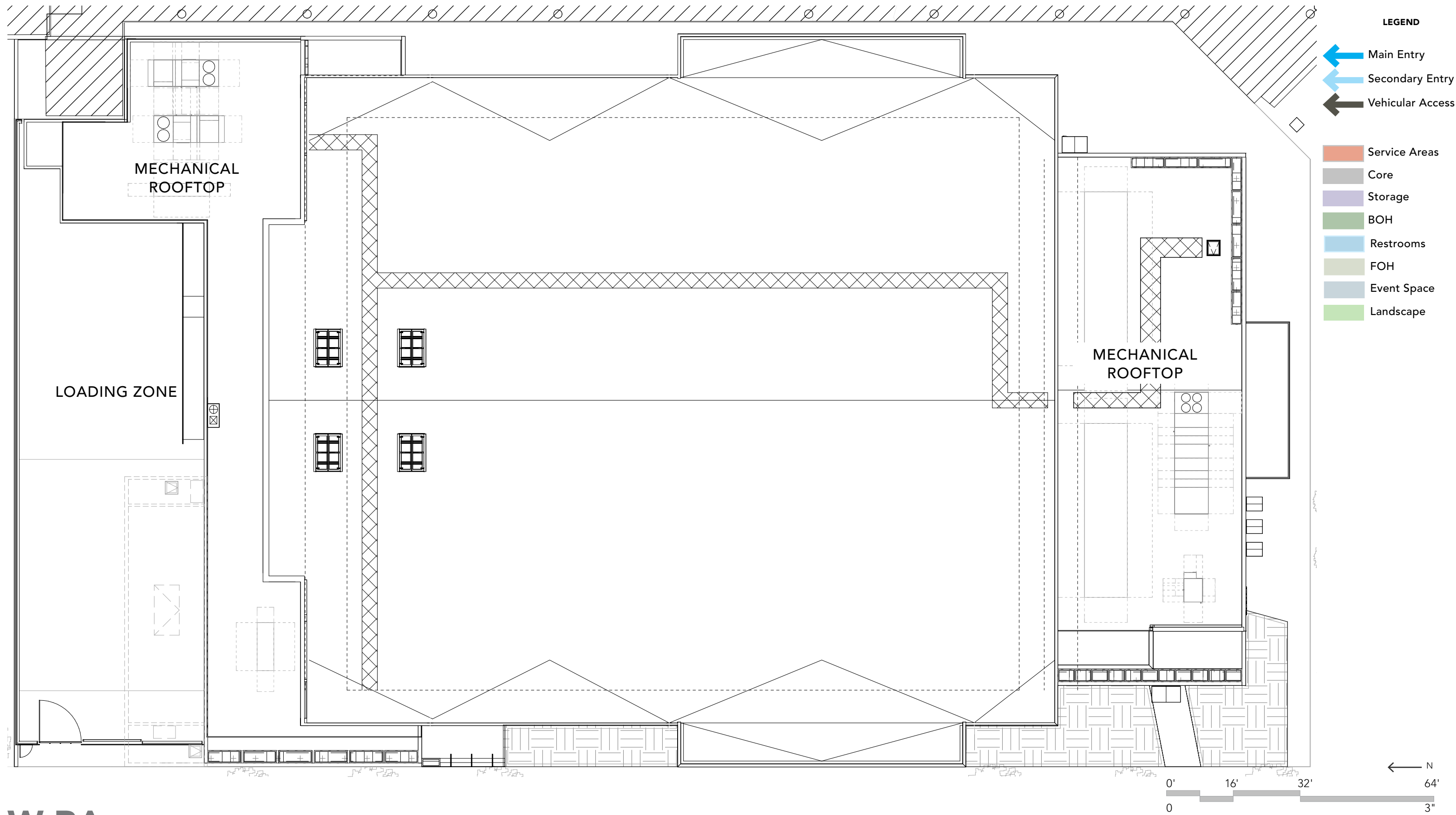


- LEGEND**
- Main Entry
 - Secondary Entry
 - Vehicular Access
 - Service Areas
 - Core
 - Storage
 - BOH
 - Restrooms
 - FOH
 - Event Space
 - Landscape



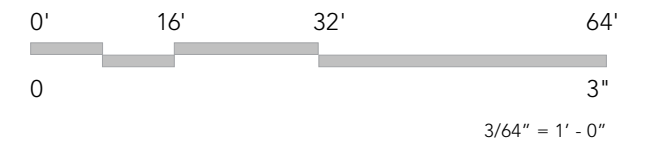
C.7 BUILDING PLANS

ROOF PLAN

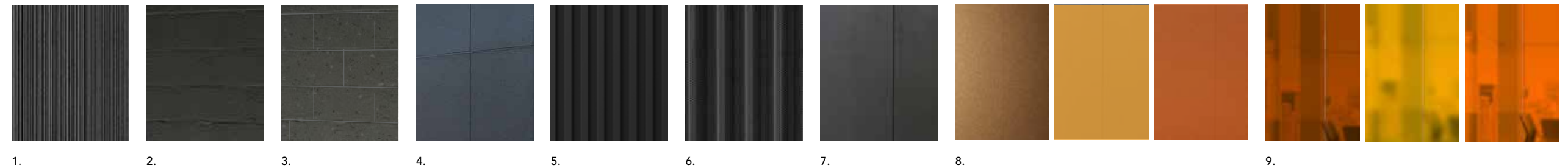


C.8 ELEVATIONS

SOUTH ELEVATION

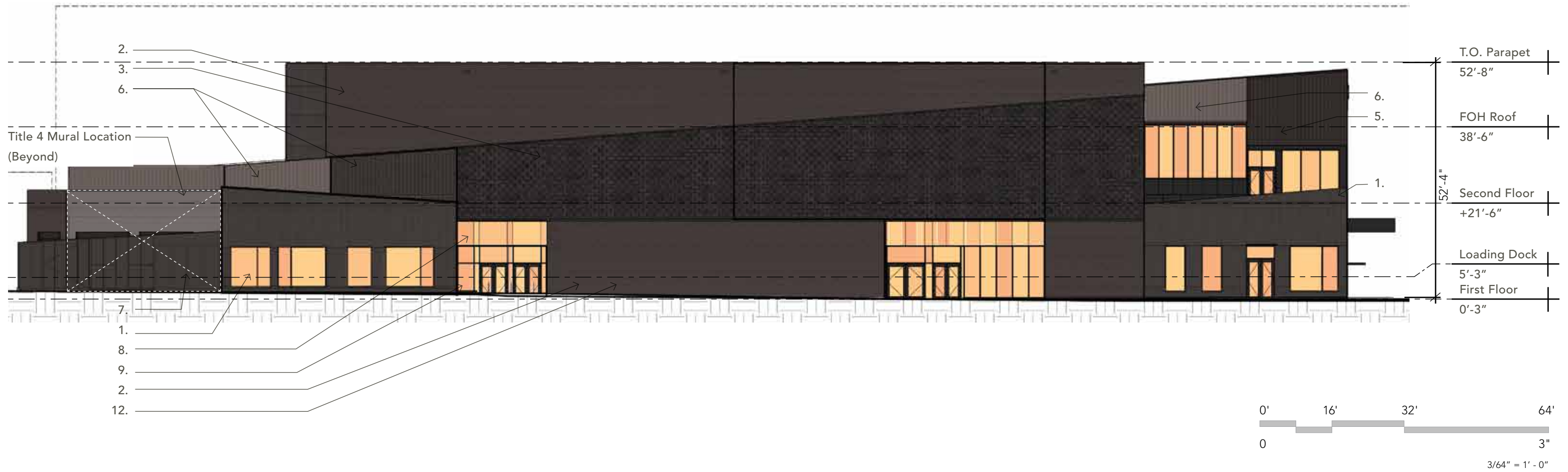


- MATERIAL KEY**
1. Reinforced Concrete Panel
 2. Painted CMU Block
 3. Painted CMU Block w/ Applied Glass Beads
 4. Hardie Panel
 5. Corrugated Metal Panel
 6. Corrugated Perforated Metal Panel
 7. Metal Panel - Black
 8. Metal Panel - Color Varies
 9. Glass with Film - Color Varies
 10. Polycarbonate Panel
 11. Storefront
 12. St. Stl. Trellis
 13. Painted Stucco

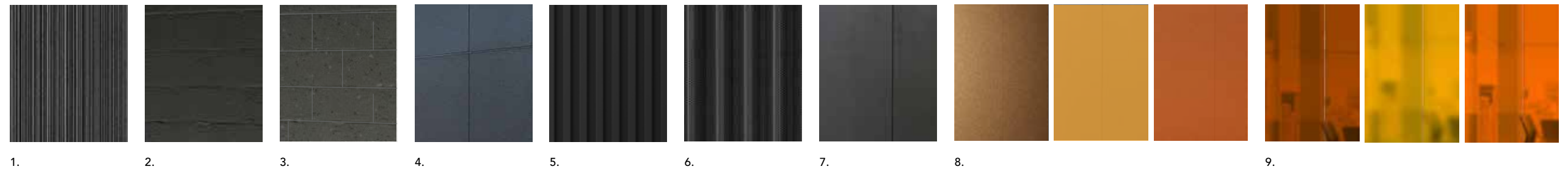


C.9 ELEVATIONS

WEST ELEVATION

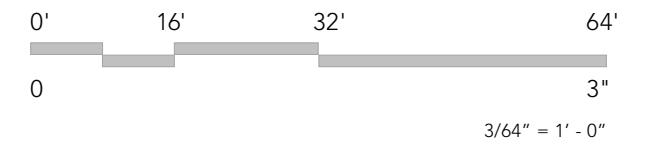
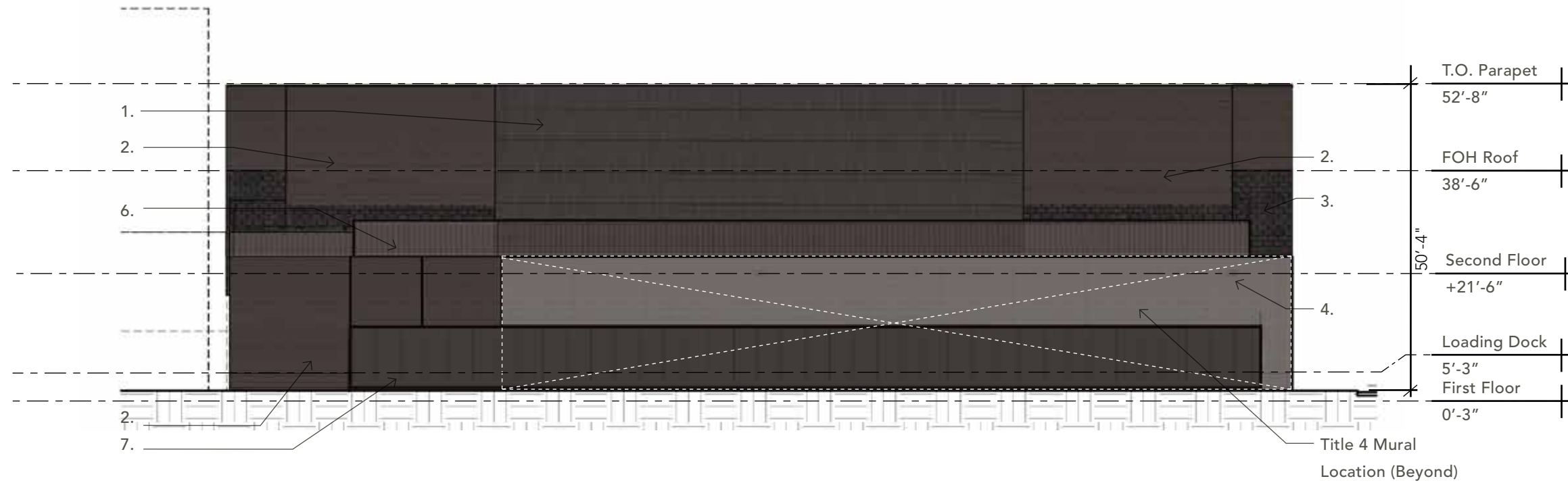


- MATERIAL KEY**
1. Reinforced Concrete Panel
 2. Painted CMU Block
 3. Painted CMU Block w/ Applied Glass Beads
 4. Hardie Panel
 5. Corrugated Metal Panel
 6. Corrugated Perforated Metal Panel
 7. Metal Panel - Black
 8. Metal Panel - Color Varies
 9. Glass with Film - Color Varies
 10. Polycarbonate Panel
 11. Storefront
 12. St. Stl. Trellis
 13. Painted Stucco



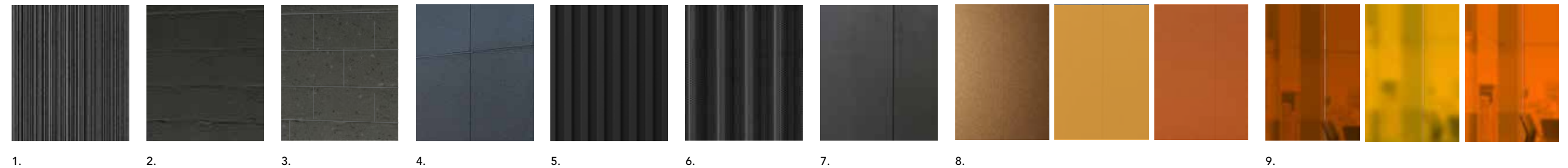
C.10 ELEVATIONS

NORTH ELEVATION



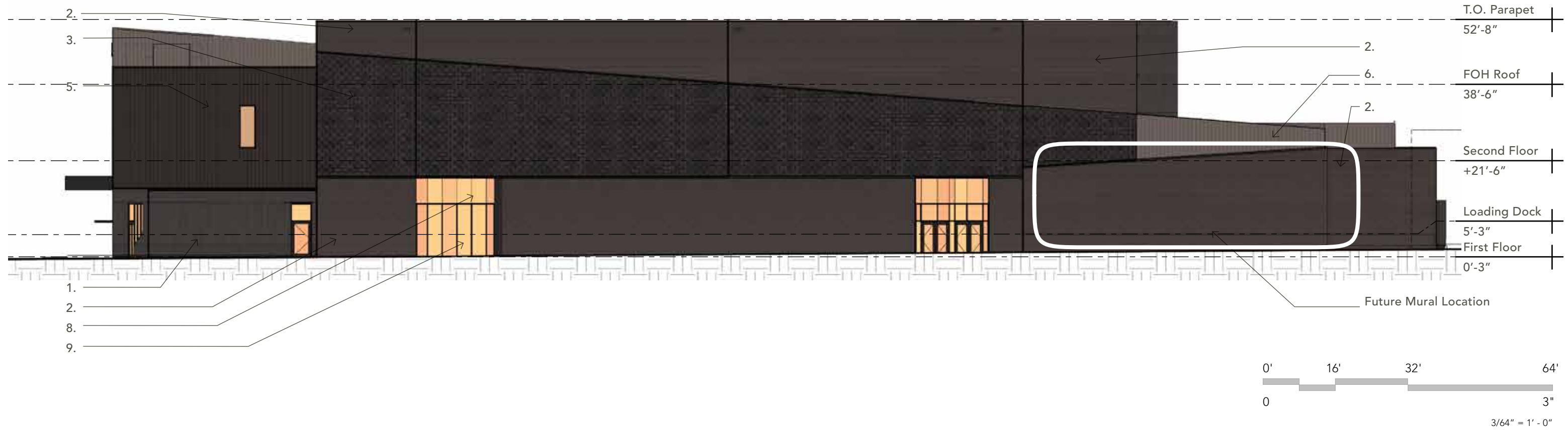
MATERIAL KEY

- 1. Reinforced Concrete Panel
- 2. Painted CMU Block
- 3. Painted CMU Block w/ Applied Glass Beads
- 4. Hardie Panel
- 5. Corrugated Metal Panel
- 6. Corrugated Perforated Metal Panel
- 7. Metal Panel - Black
- 8. Metal Panel - Color Varies
- 9. Glass with Film - Color Varies
- 10. Polycarbonate Panel
- 11. Storefront
- 12. St. Stl. Trellis
- 13. Painted Stucco

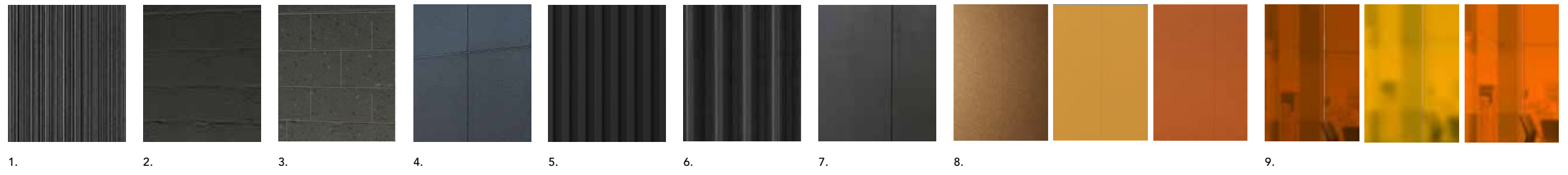


C.11 ELEVATIONS

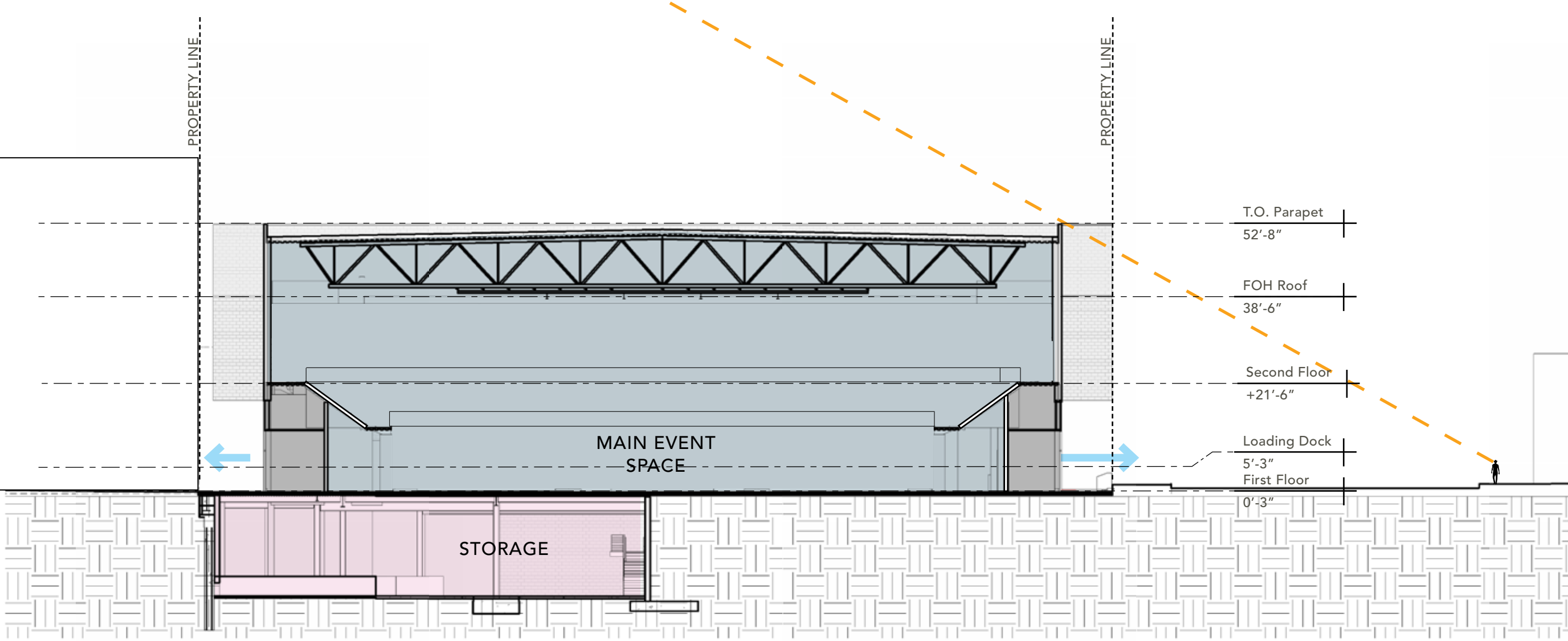
EAST ELEVATION



- MATERIAL KEY**
- 1. Reinforced Concrete Panel
 - 2. Painted CMU Block
 - 3. Painted CMU Block w/ Applied Glass Beads
 - 4. Hardie Panel
 - 5. Corrugated Metal Panel
 - 6. Corrugated Perforated Metal Panel
 - 7. Metal Panel - Black
 - 8. Metal Panel - Color Varies
 - 9. Glass with Film - Color Varies
 - 10. Polycarbonate Panel
 - 11. Storefront
 - 12. St. Stl. Trellis
 - 13. Painted Stucco

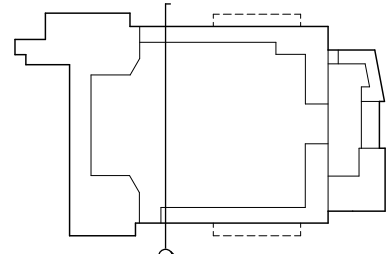
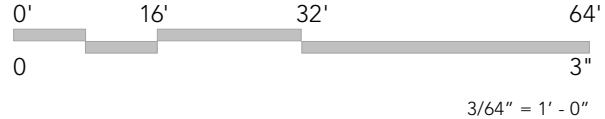


C.12 SECTIONS
EAST TO WEST

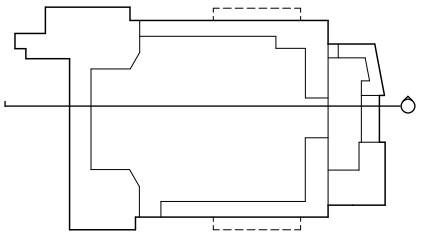
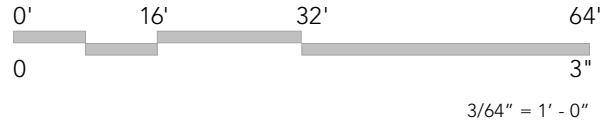
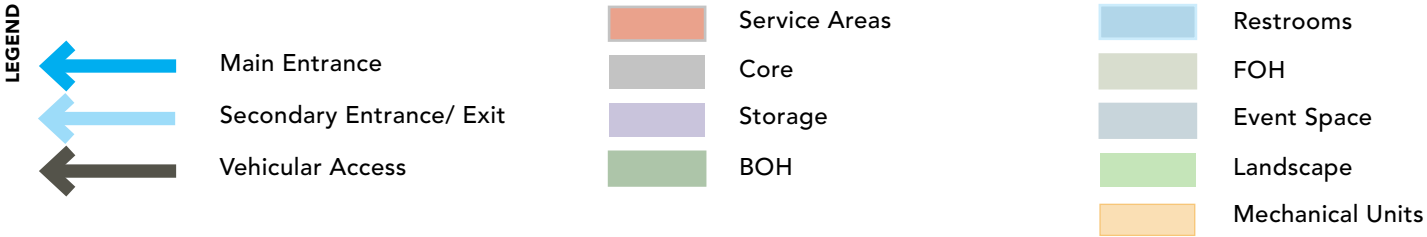
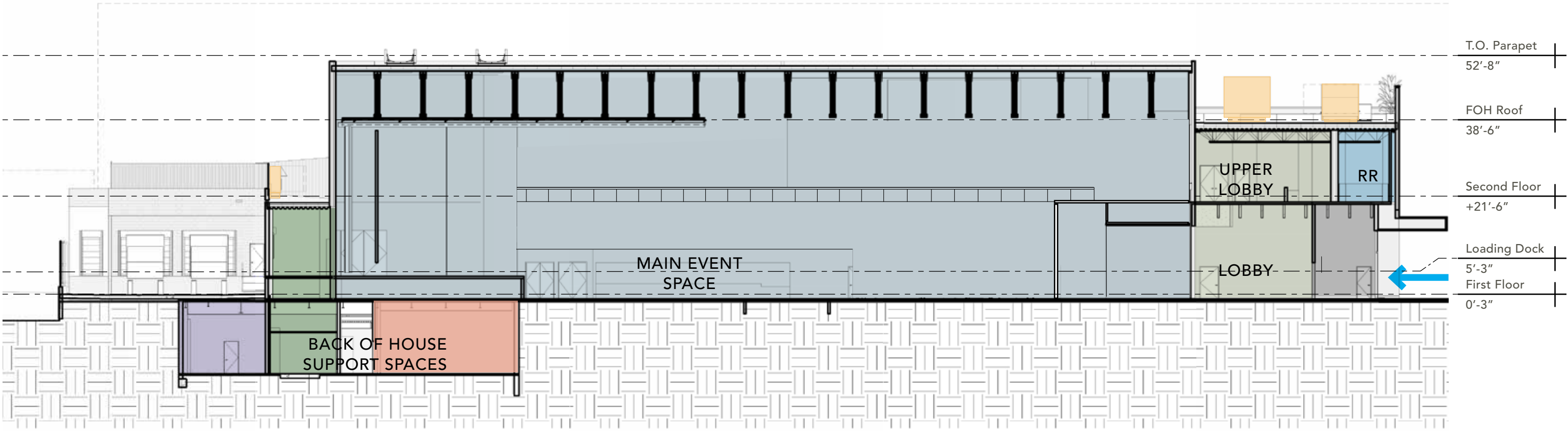


LEGEND

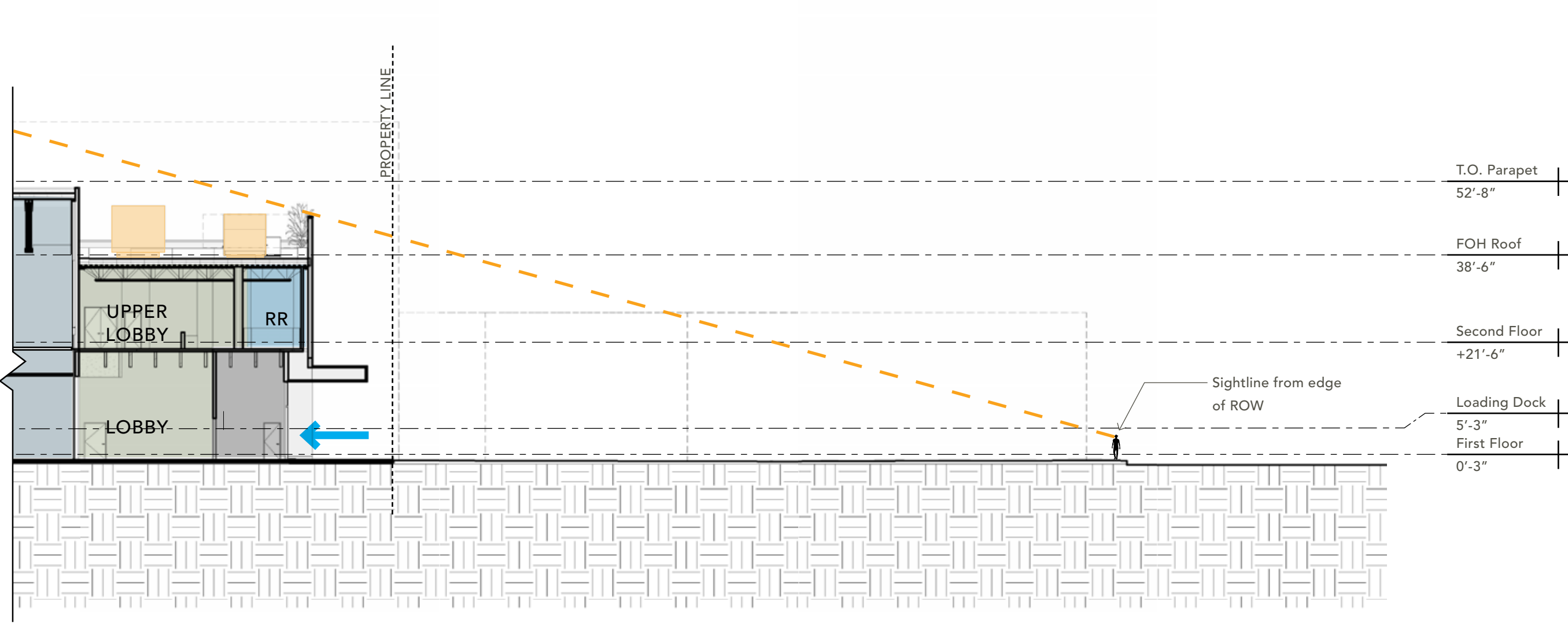
- | | | | | | |
|--|--------------------------|--|---------------|--|-------------|
| | Main Entrance | | Service Areas | | Restrooms |
| | Secondary Entrance/ Exit | | Core | | FOH |
| | Vehicular Access | | Storage | | Event Space |
| | | | BOH | | Landscape |



C.13 SECTIONS
NORTH TO SOUTH

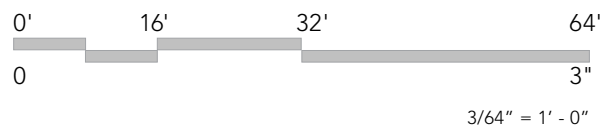


C.14 SECTIONS SIGHTLINES

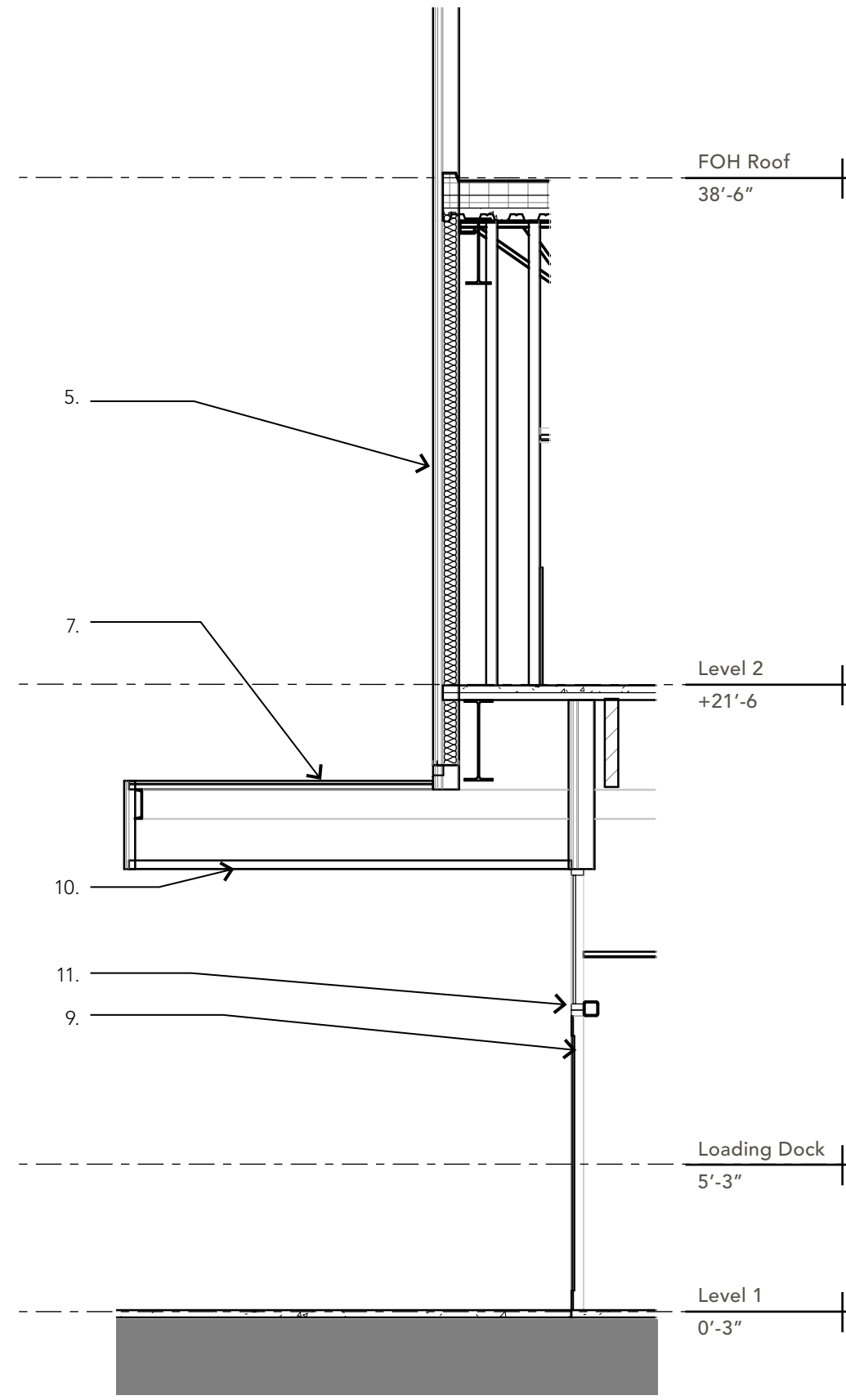


LEGEND

	Main Entrance		Service Areas		Restrooms
	Secondary Entrance/ Exit		Core		FOH
	Vehicular Access		Storage		Event Space
			BOH		Landscape
					Mechanical Units

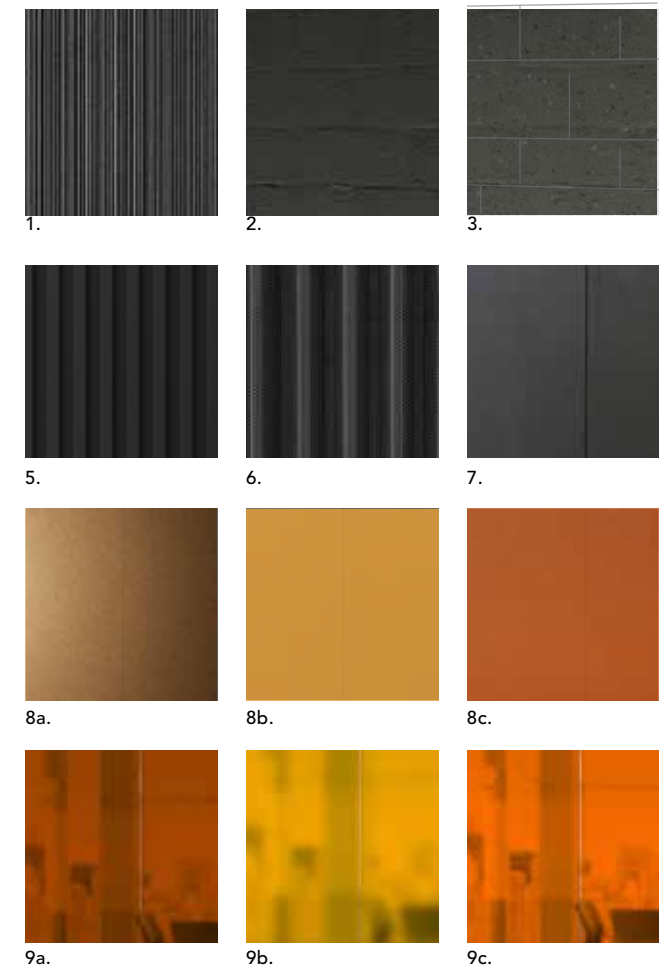


C.15 BUILDING DETAILS MAIN ENTRANCE | WALL SECTION



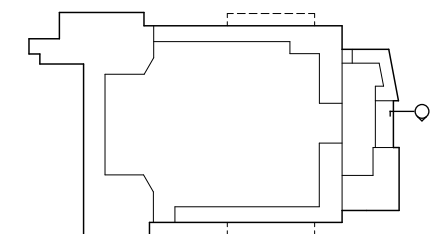
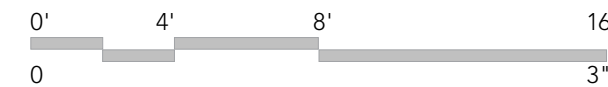
MATERIAL KEY

1. Reinforced Concrete Panel
2. Painted CMU Block
3. Painted CMU Block w/ Applied Glitter Paint & Sealer
4. Hardie Panel
5. Corrugated Metal Panel
6. Corrugated Perforated Metal Panel
7. Metal Panel - Black
- 8a. Metal Panel - Copper Penny
- 8b. Metal Panel - Little Nugget
- 8c. Metal Panel - Orange
- 8d. Metal Panel - Mirror
- 9a. Glass Film - Reddish Brown
- 9b. Glass Film - Golden Yellow
- 9c. Glass Film - Orange
10. Polycarbonate Panel
11. Storefront
12. St. Stl. Trellis
13. Painted Stucco

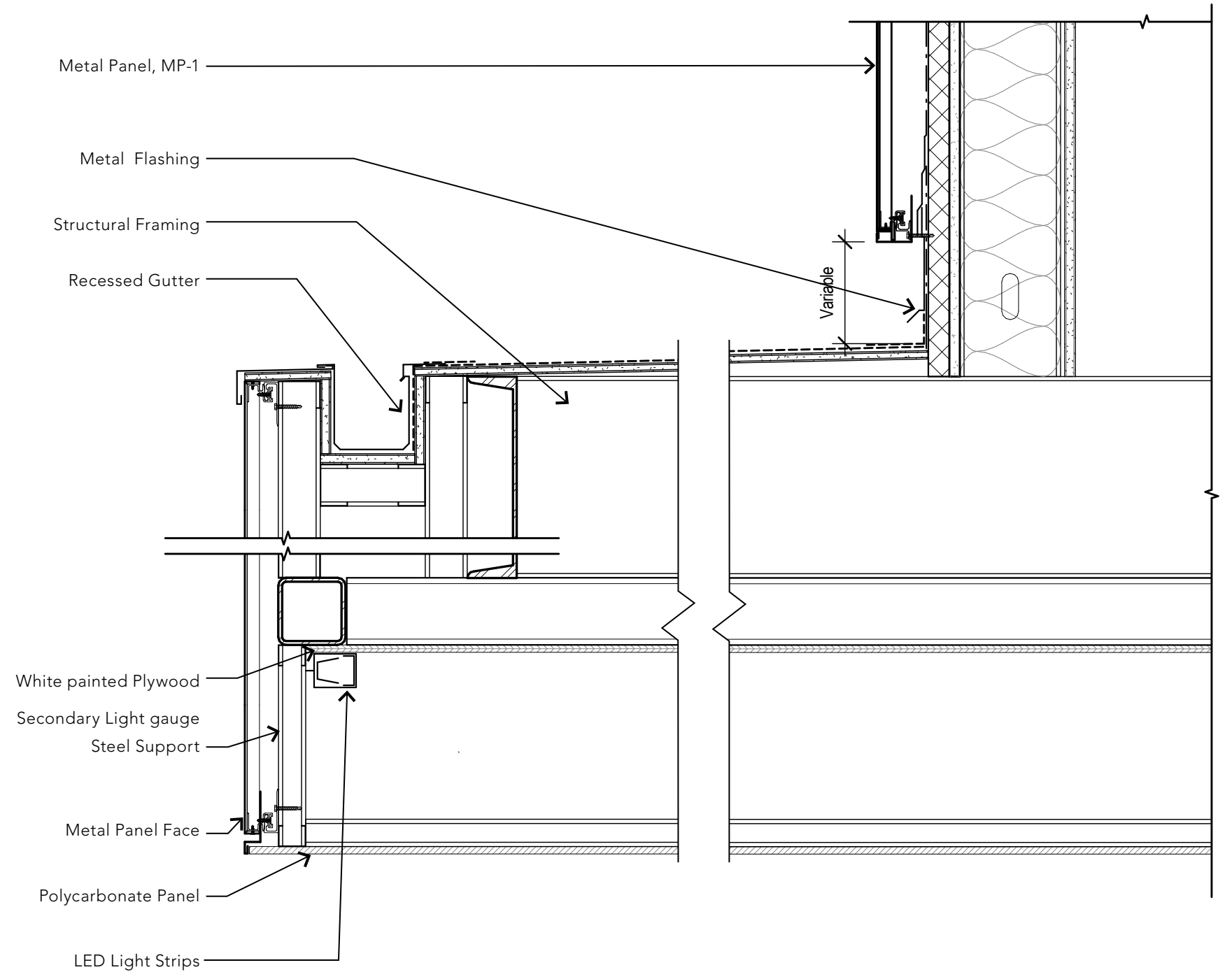


Section A: Main Entrance

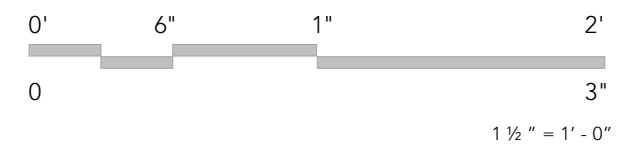
3/16" = 1' - 0"



C.16 BUILDING DETAILS
MAIN ENTRANCE DETAILS



Detail Section | Awning Connection

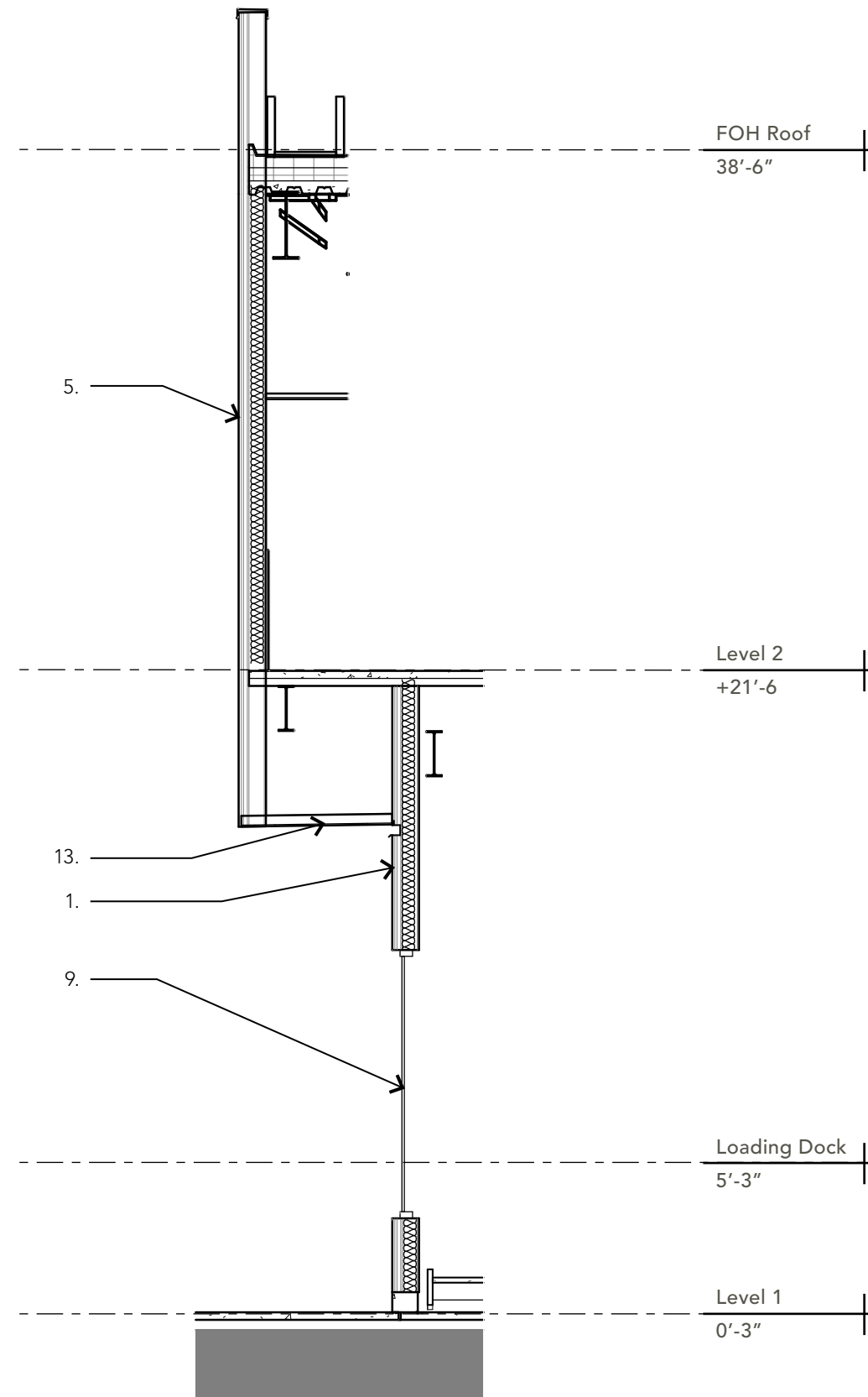
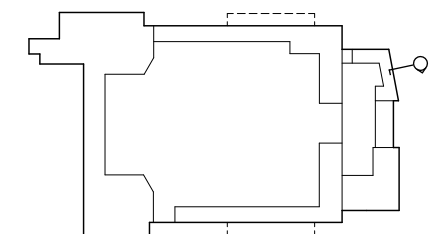
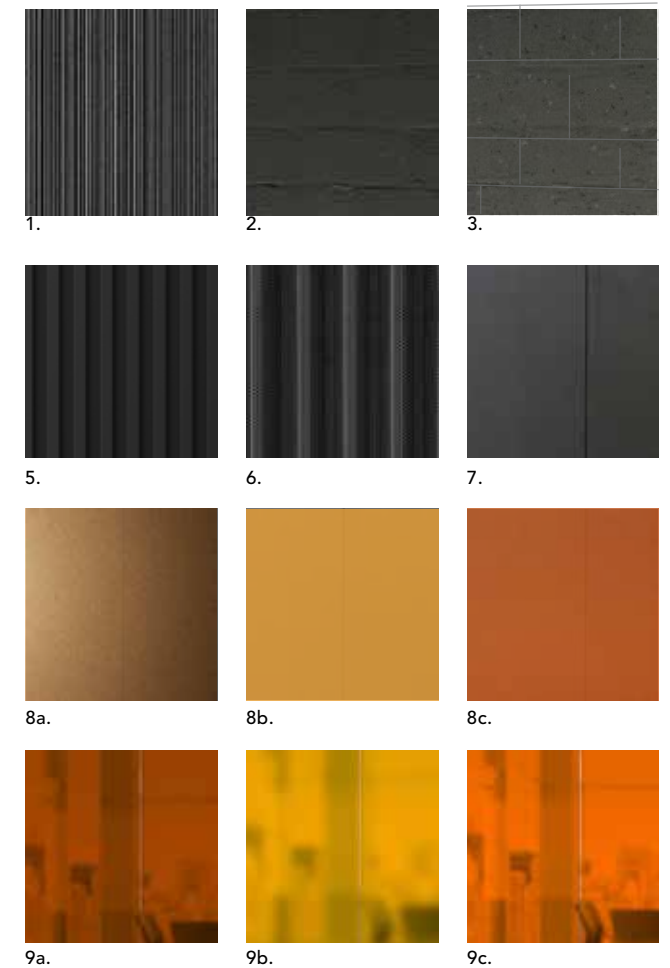


C.17 BUILDING DETAILS

FOH | WALL SECTION

MATERIAL KEY

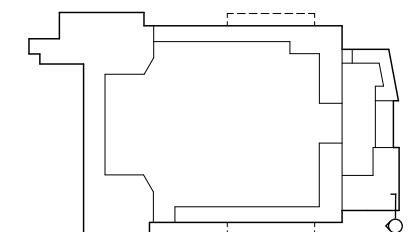
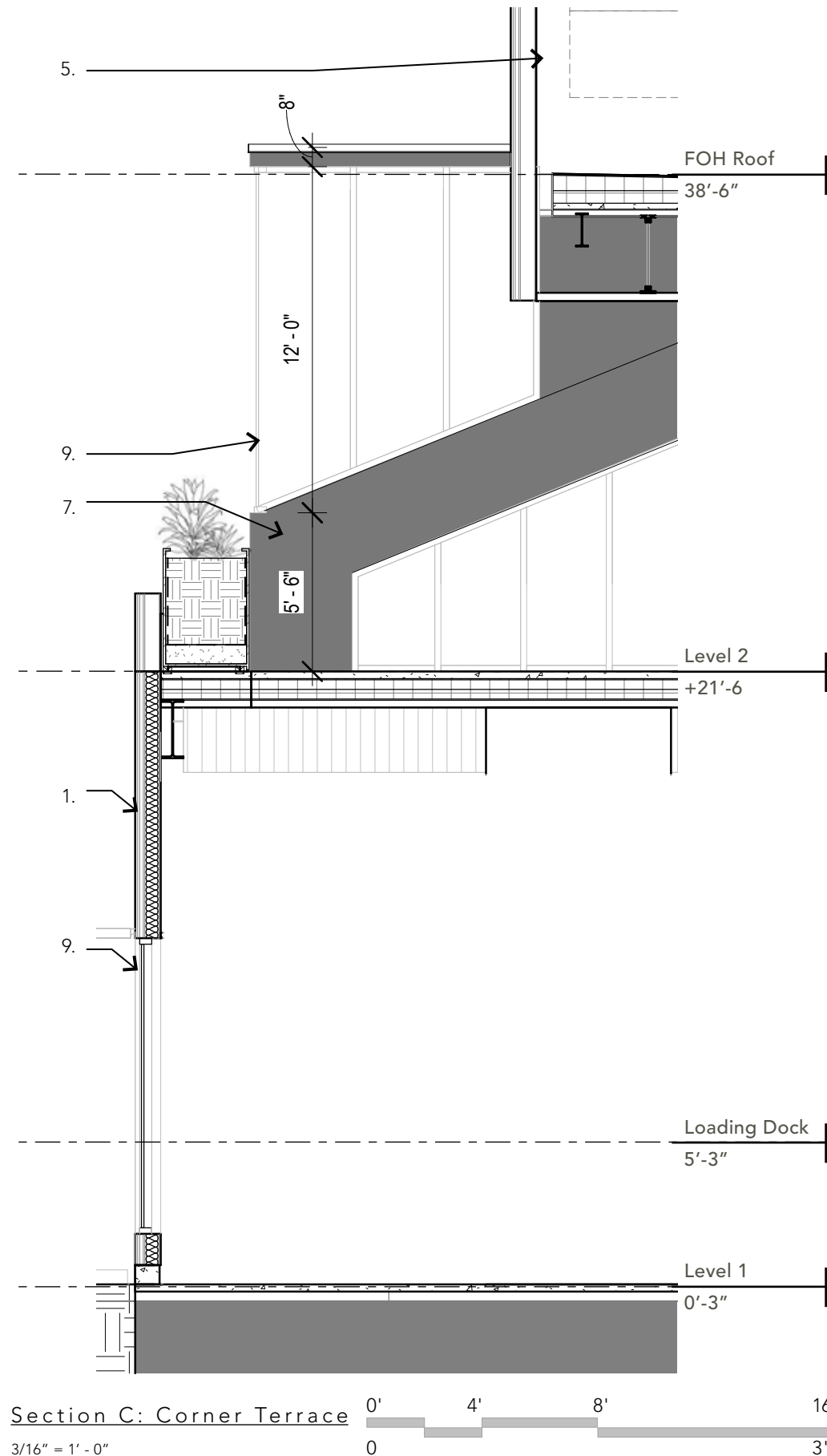
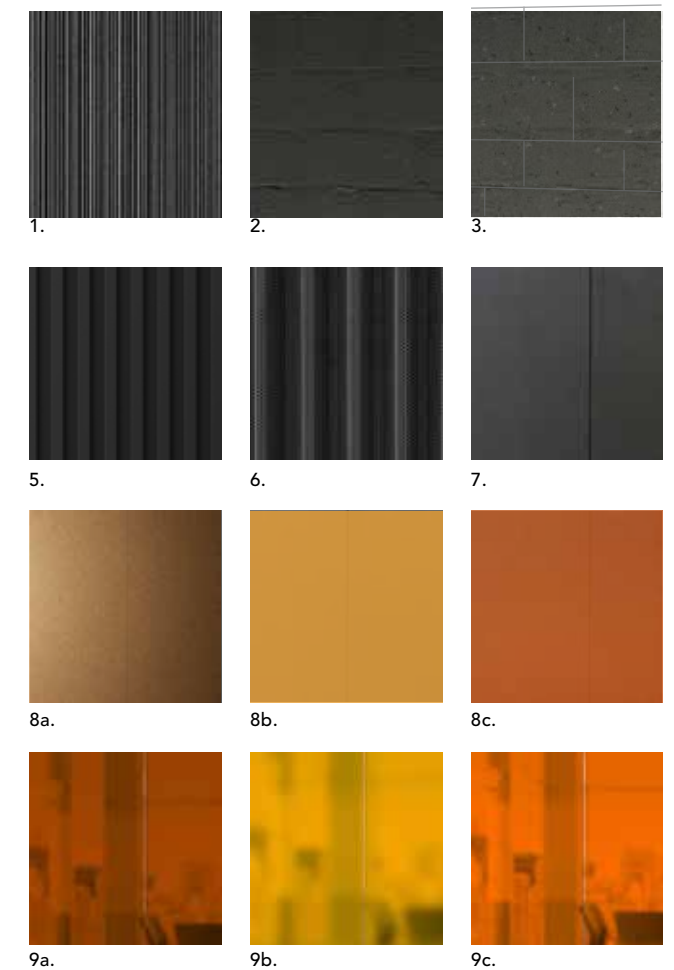
1. Reinforced Concrete Panel
2. Painted CMU Block
3. Painted CMU Block w/ Applied Glitter Paint & Sealer
4. Hardie Panel
5. Corrugated Metal Panel
6. Corrugated Perforated Metal Panel
7. Metal Panel - Black
- 8a. Metal Panel - Copper Penny
- 8b. Metal Panel - Little Nugget
- 8c. Metal Panel - Orange
- 8d. Metal Panel - Mirror
- 9a. Glass Film - Reddish Brown
- 9b. Glass Film - Golden Yellow
- 9c. Glass Film - Orange
10. Polycarbonate Panel
11. Storefront
12. St. Stl. Trellis
13. Painted Stucco



C.18 BUILDING DETAILS FOH | WALL SECTION

MATERIAL KEY

1. Reinforced Concrete Panel
2. Painted CMU Block
3. Painted CMU Block w/ Applied Glitter Paint & Sealer
4. Hardie Panel
5. Corrugated Metal Panel
6. Corrugated Perforated Metal Panel
7. Metal Panel - Black
- 8a. Metal Panel - Copper Penny
- 8b. Metal Panel - Little Nugget
- 8c. Metal Panel - Orange
- 8d. Metal Panel - Mirror
- 9a. Glass Film - Reddish Brown
- 9b. Glass Film - Golden Yellow
- 9c. Glass Film - Orange
10. Polycarbonate Panel
11. Storefront
12. St. Stl. Trellis
13. Painted Stucco

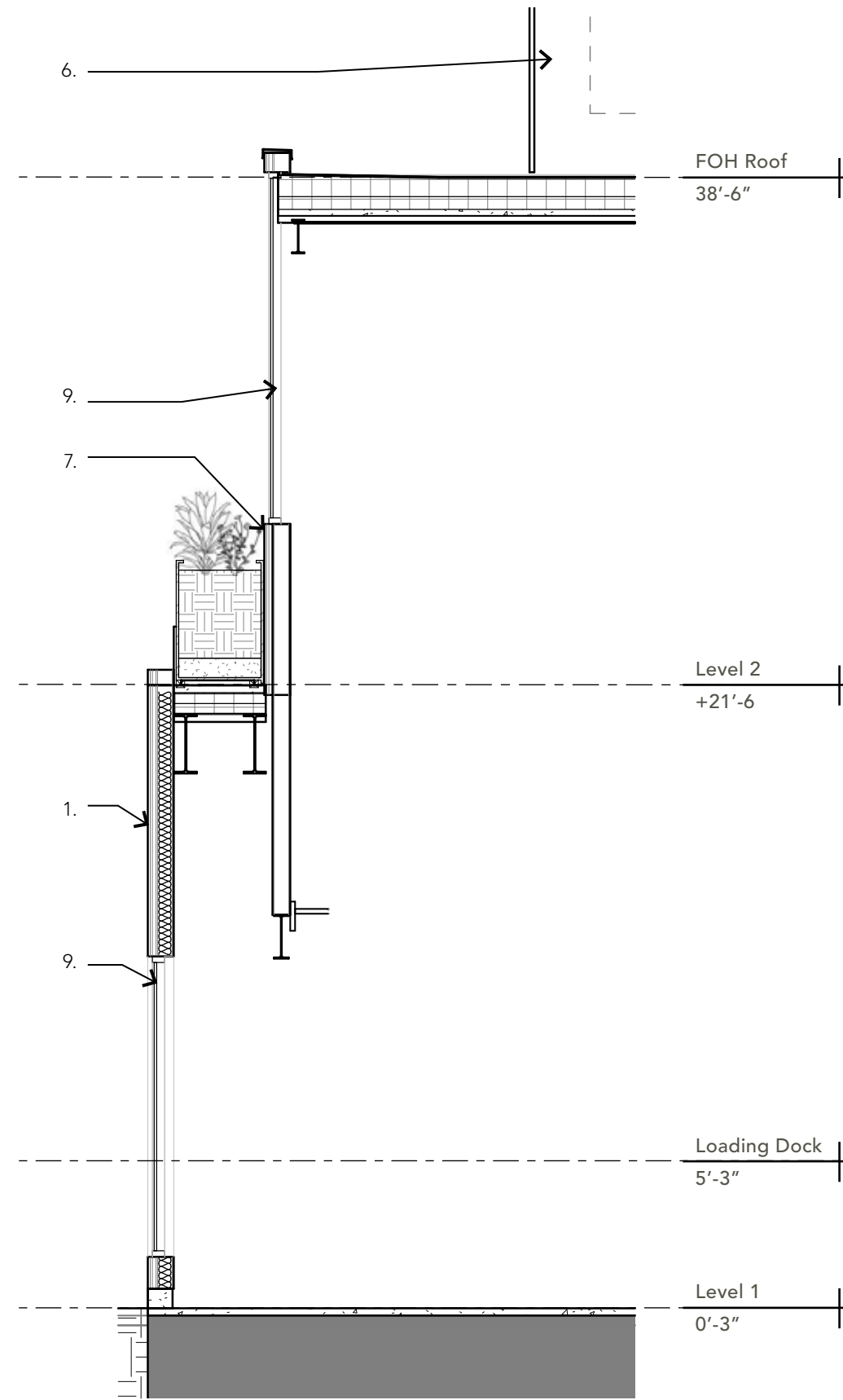
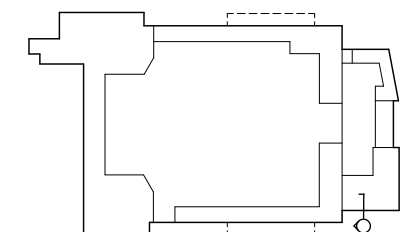
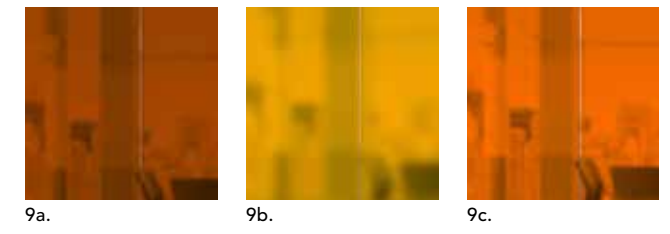
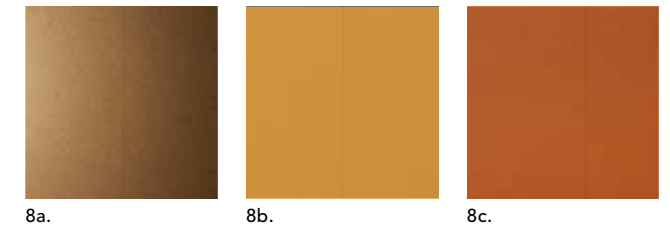
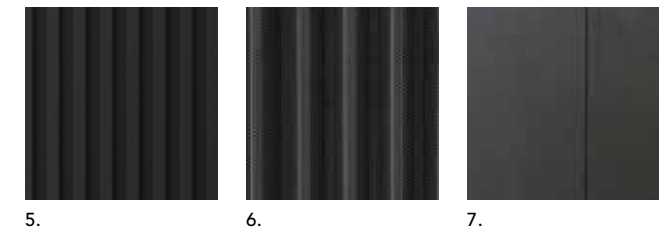


C.19 BUILDING DETAILS

FOH | WALL SECTION

MATERIAL KEY

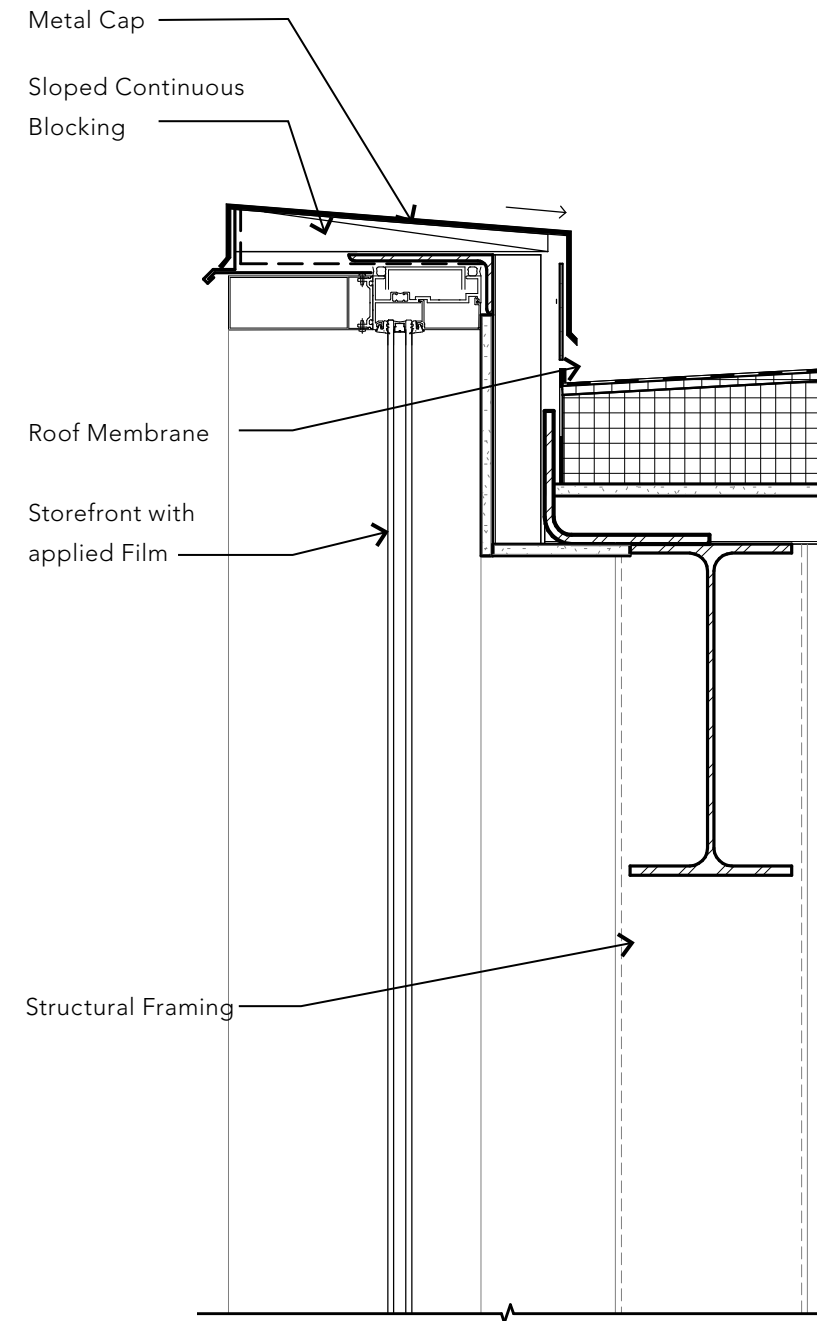
1. Reinforced Concrete Panel
2. Painted CMU Block
3. Painted CMU Block w/ Applied Glitter Paint & Sealer
4. Hardie Panel
5. Corrugated Metal Panel
6. Corrugated Perforated Metal Panel
7. Metal Panel - Black
- 8a. Metal Panel - Copper Penny
- 8b. Metal Panel - Little Nugget
- 8c. Metal Panel - Orange
- 8d. Metal Panel - Mirror
- 9a. Glass Film - Reddish Brown
- 9b. Glass Film - Golden Yellow
- 9c. Glass Film - Orange
10. Polycarbonate Panel
11. Storefront
12. St. Stl. Trellis
13. Painted Stucco



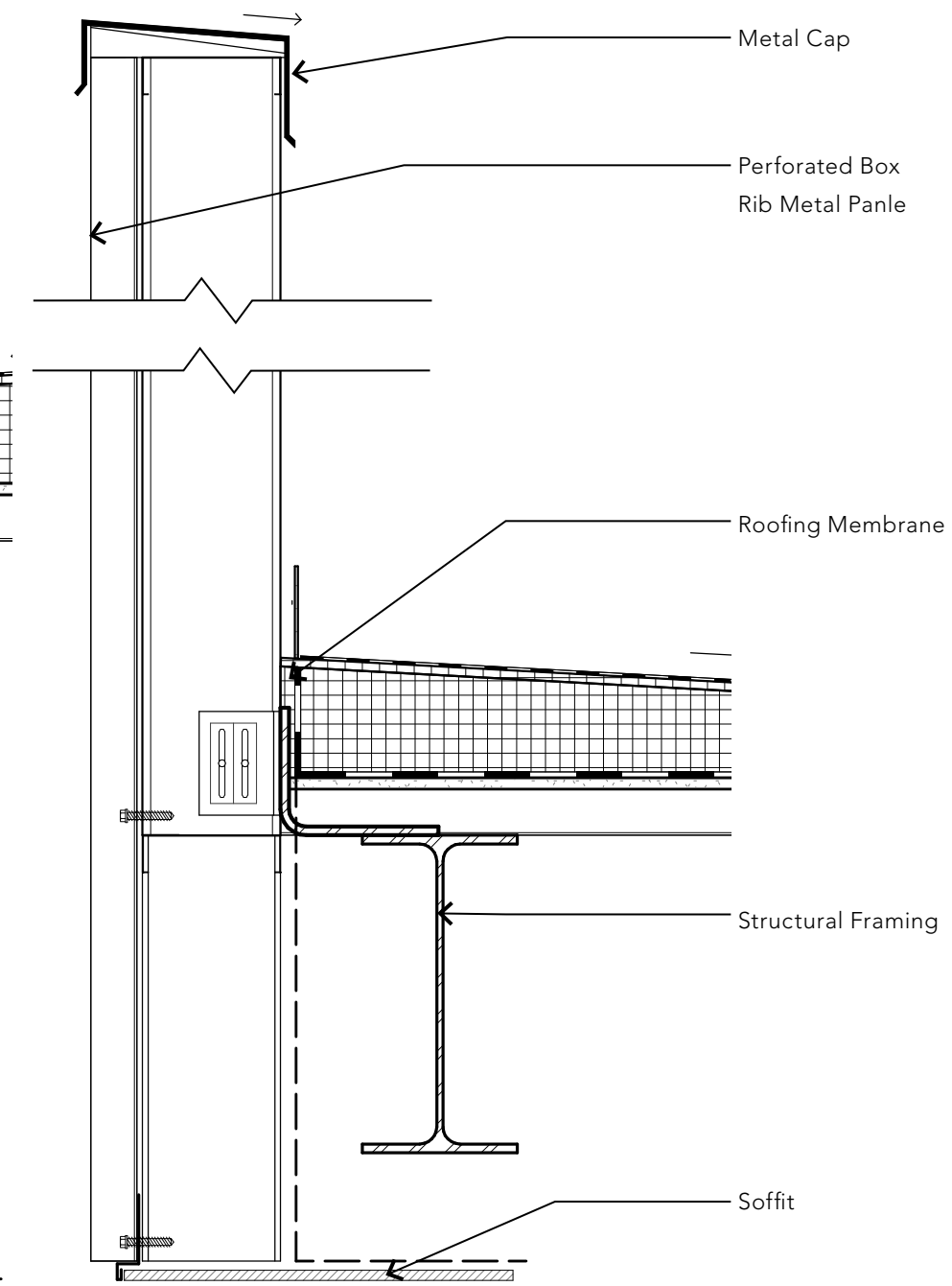
Section D: FOH Main Stair
 3/16" = 1' - 0"
 0' 4' 8' 16'
 0 3"



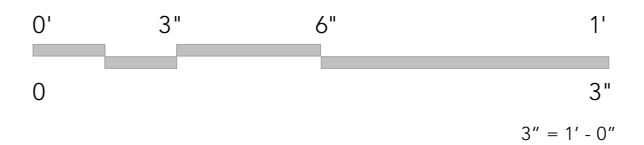
C.20 BUILDING DETAILS
EXTERIOR DETAIL SECTIONS



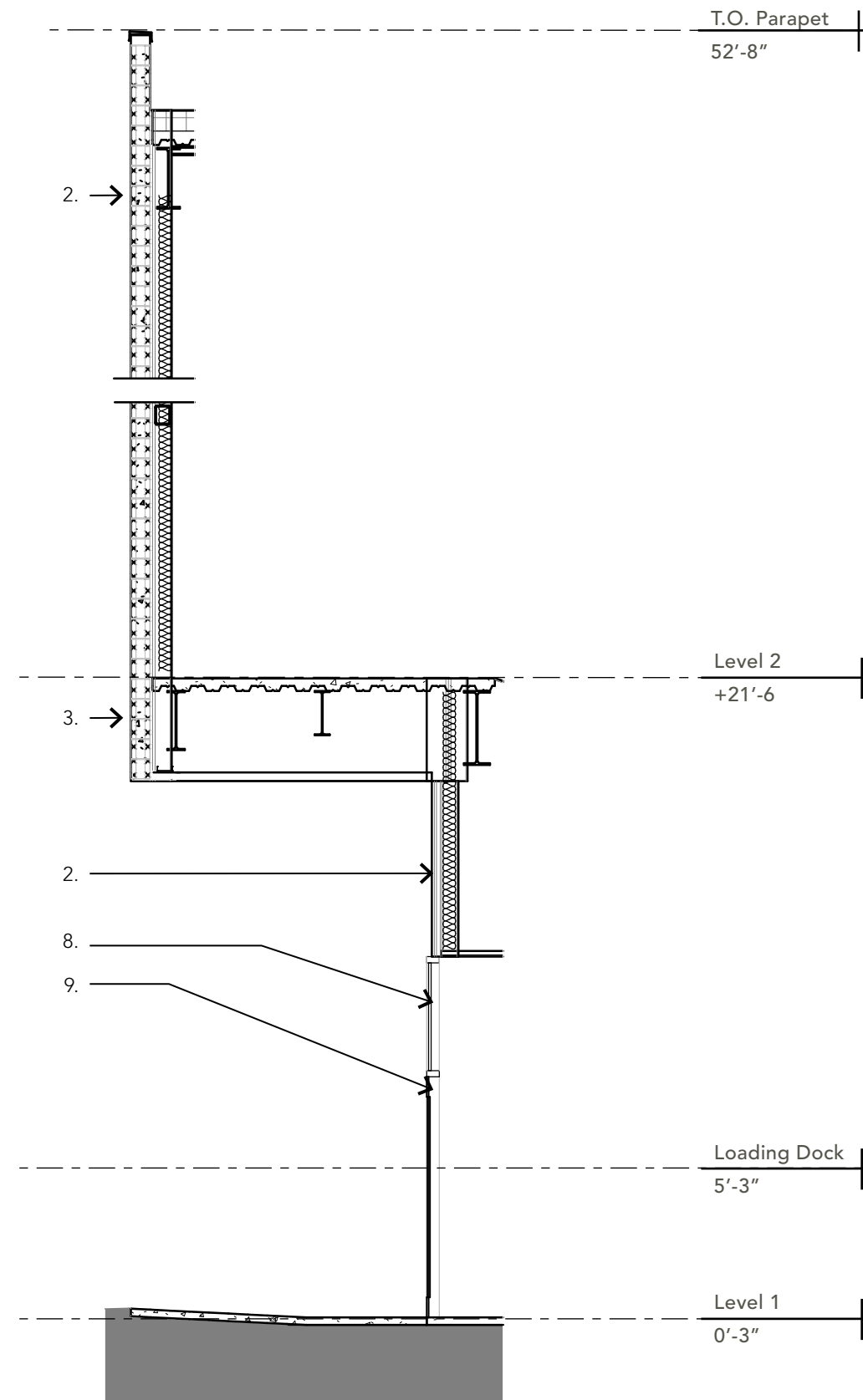
Detail Section | Stair Storefront Roof



Detail Section | Perforated Box Rib Parapet



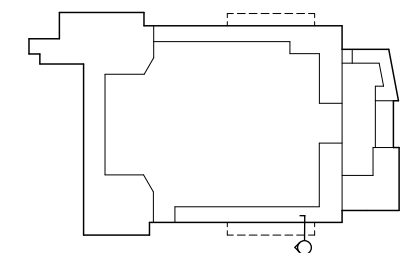
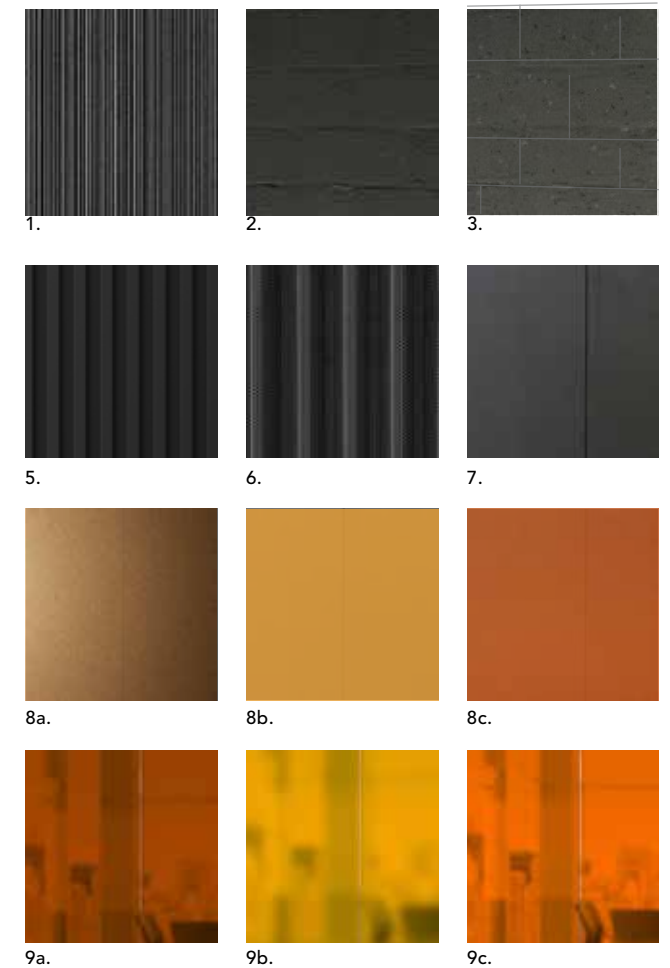
C.21 BUILDING DETAILS MAIN HALL | WALL SECTION



Section E: Main Hall
3/16" = 1' - 0"

MATERIAL KEY

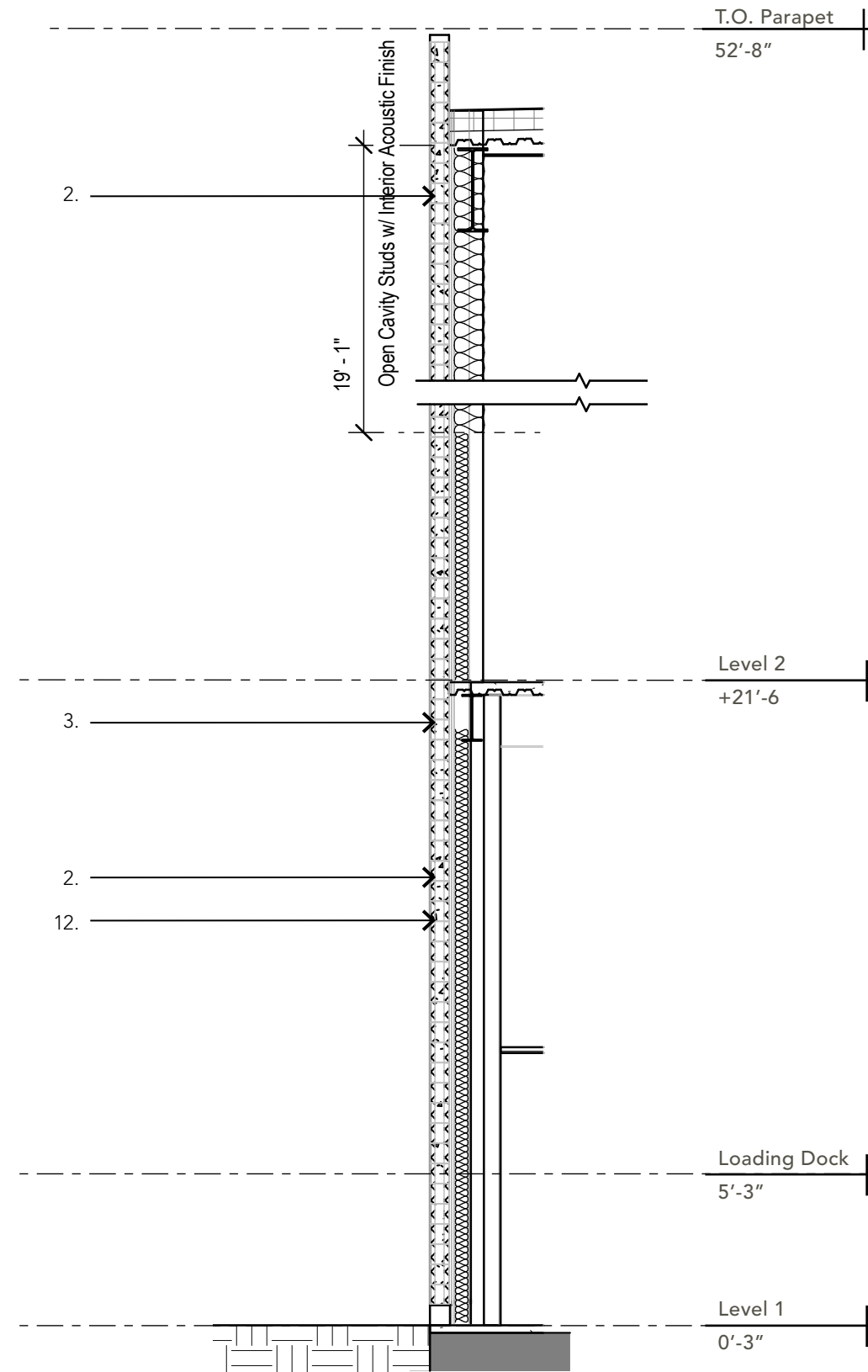
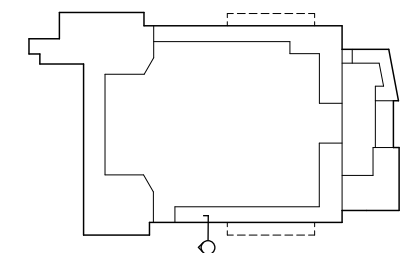
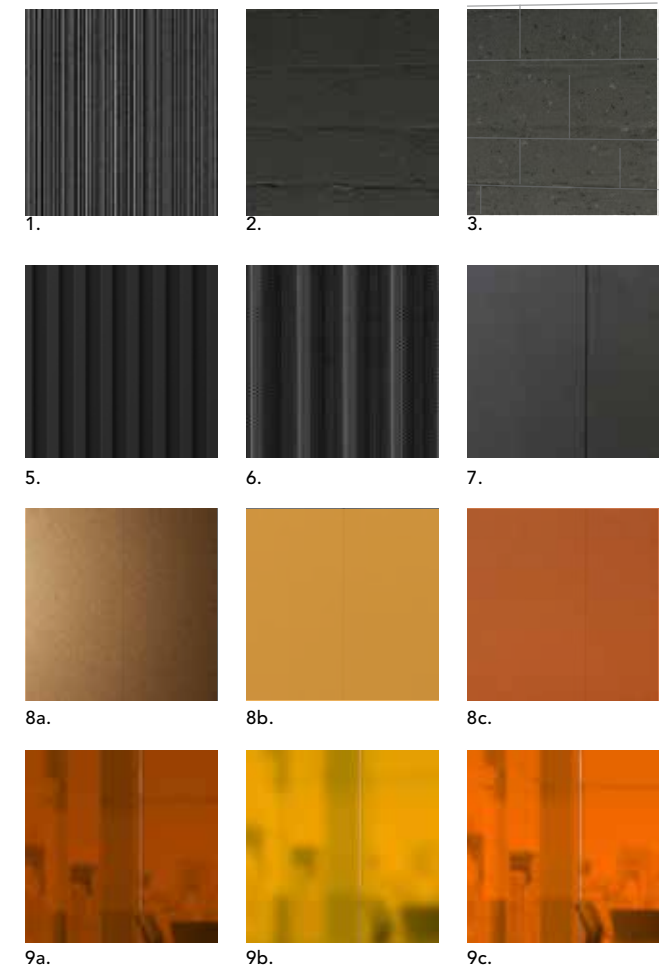
1. Reinforced Concrete Panel
2. Painted CMU Block
3. Painted CMU Block w/ Applied Glitter Paint & Sealer
4. Hardie Panel
5. Corrugated Metal Panel
6. Corrugated Perforated Metal Panel
7. Metal Panel - Black
- 8a. Metal Panel - Copper Penny
- 8b. Metal Panel - Little Nugget
- 8c. Metal Panel - Orange
- 8d. Metal Panel - Mirror
- 9a. Glass Film - Reddish Brown
- 9b. Glass Film - Golden Yellow
- 9c. Glass Film - Orange
10. Polycarbonate Panel
11. Storefront
12. St. Stl. Trellis
13. Painted Stucco



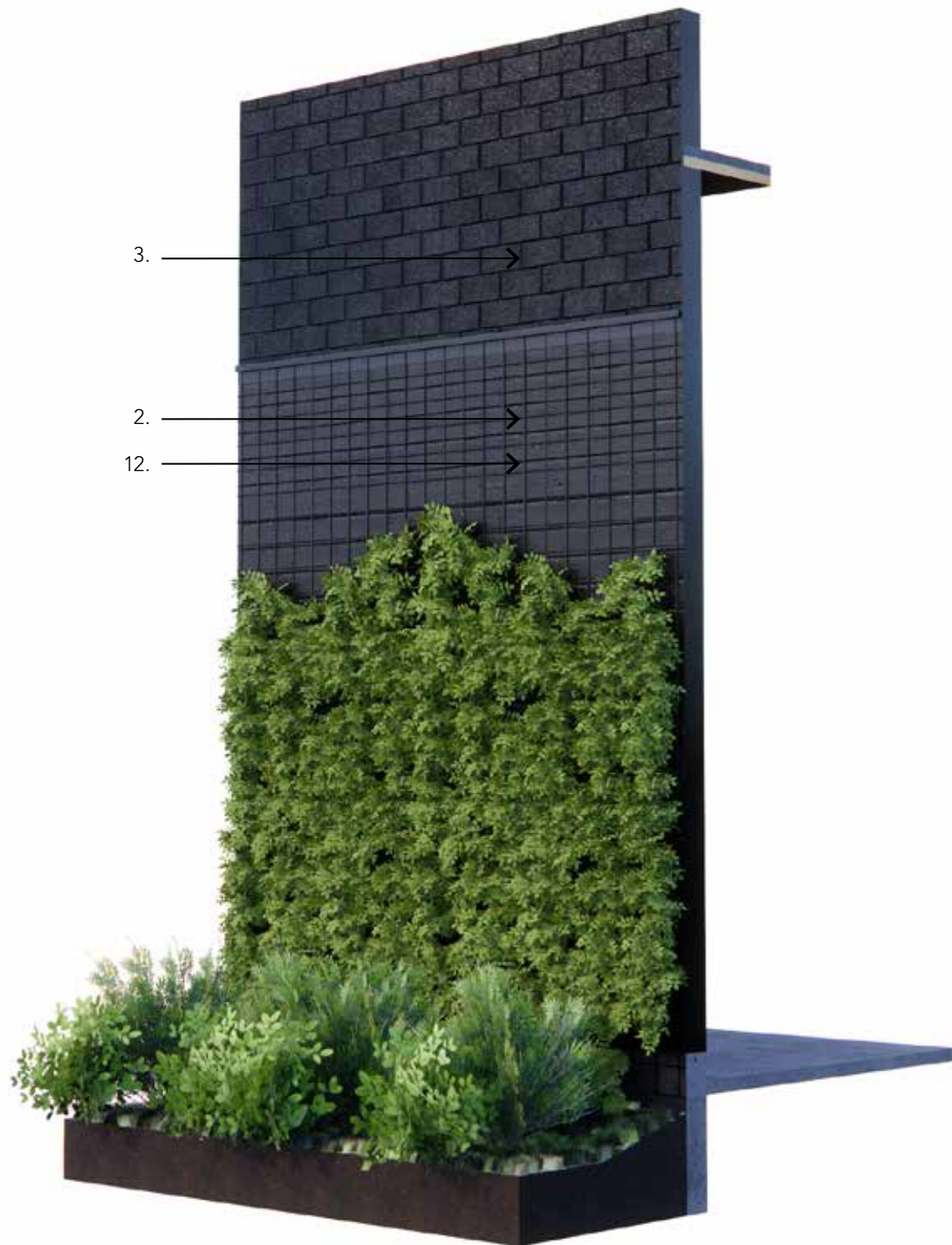
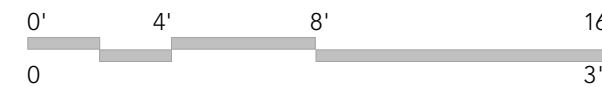
C.22 BUILDING DETAILS MAIN HALL | WALL SECTION

MATERIAL KEY

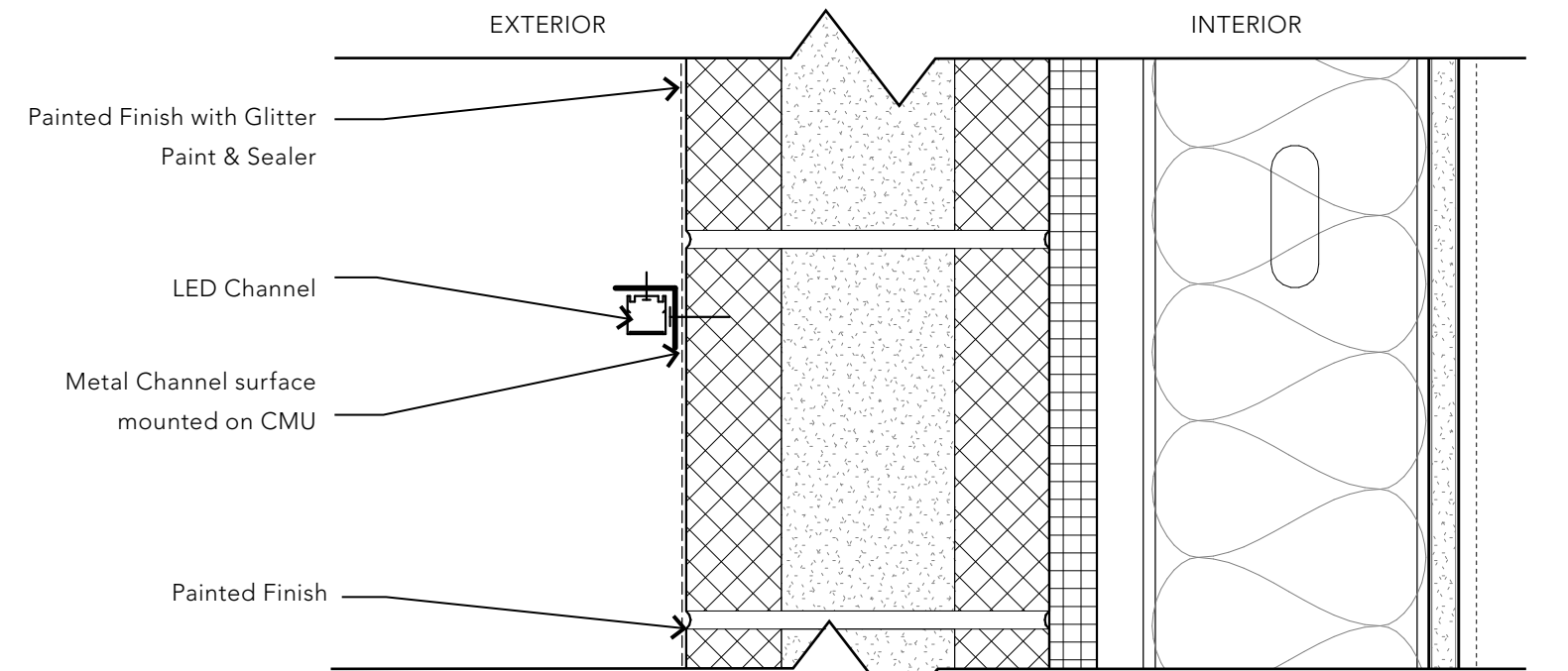
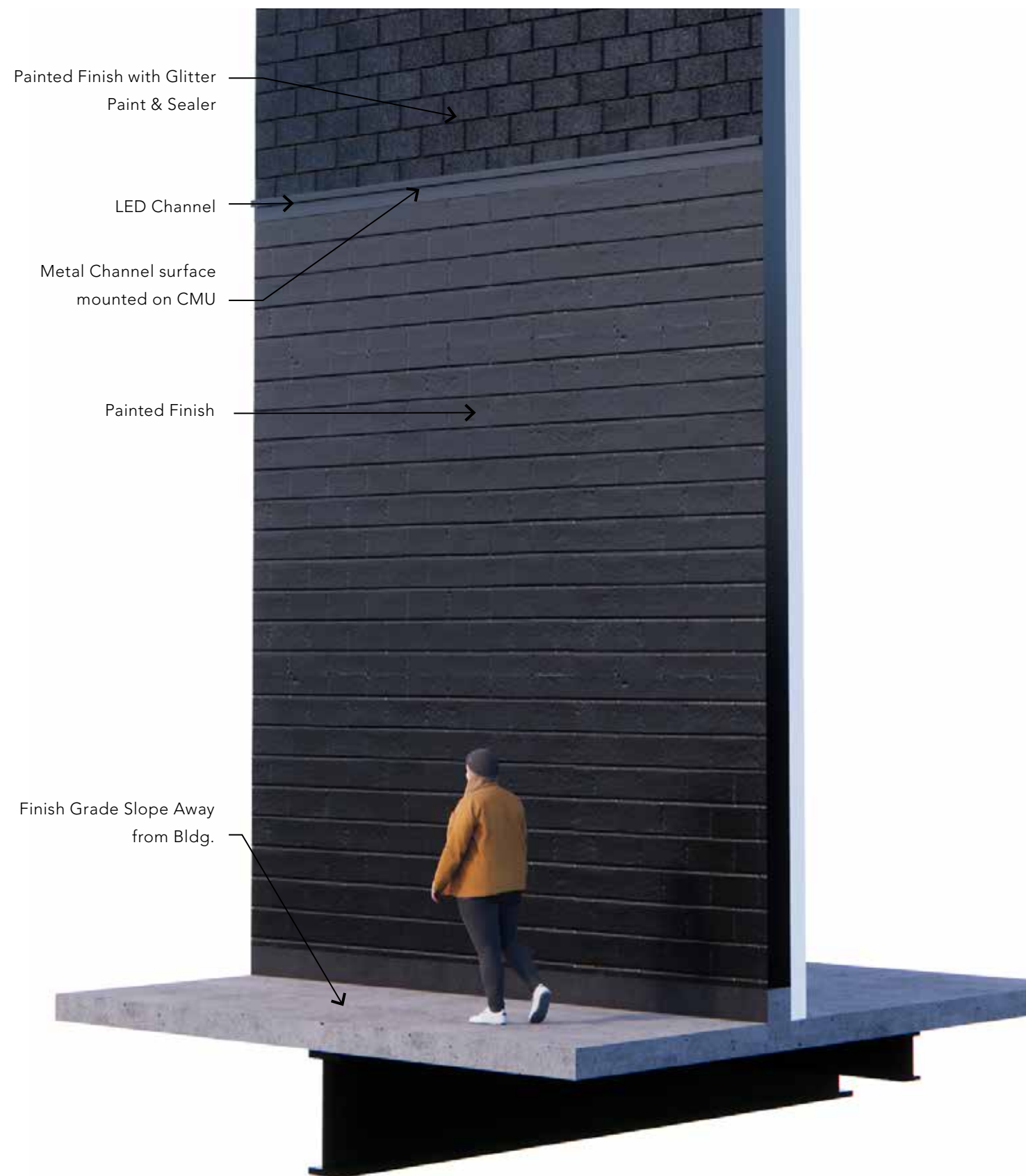
1. Reinforced Concrete Panel
2. Painted CMU Block
3. Painted CMU Block w/ Applied Glitter Paint & Sealer
4. Hardie Panel
5. Corrugated Metal Panel
6. Corrugated Perforated Metal Panel
7. Metal Panel - Black
- 8a. Metal Panel - Copper Penny
- 8b. Metal Panel - Little Nugget
- 8c. Metal Panel - Orange
- 8d. Metal Panel - Mirror
- 9a. Glass Film - Reddish Brown
- 9b. Glass Film - Golden Yellow
- 9c. Glass Film - Orange
10. Polycarbonate Panel
11. Storefront
12. St. Stl. Trellis
13. Painted Stucco



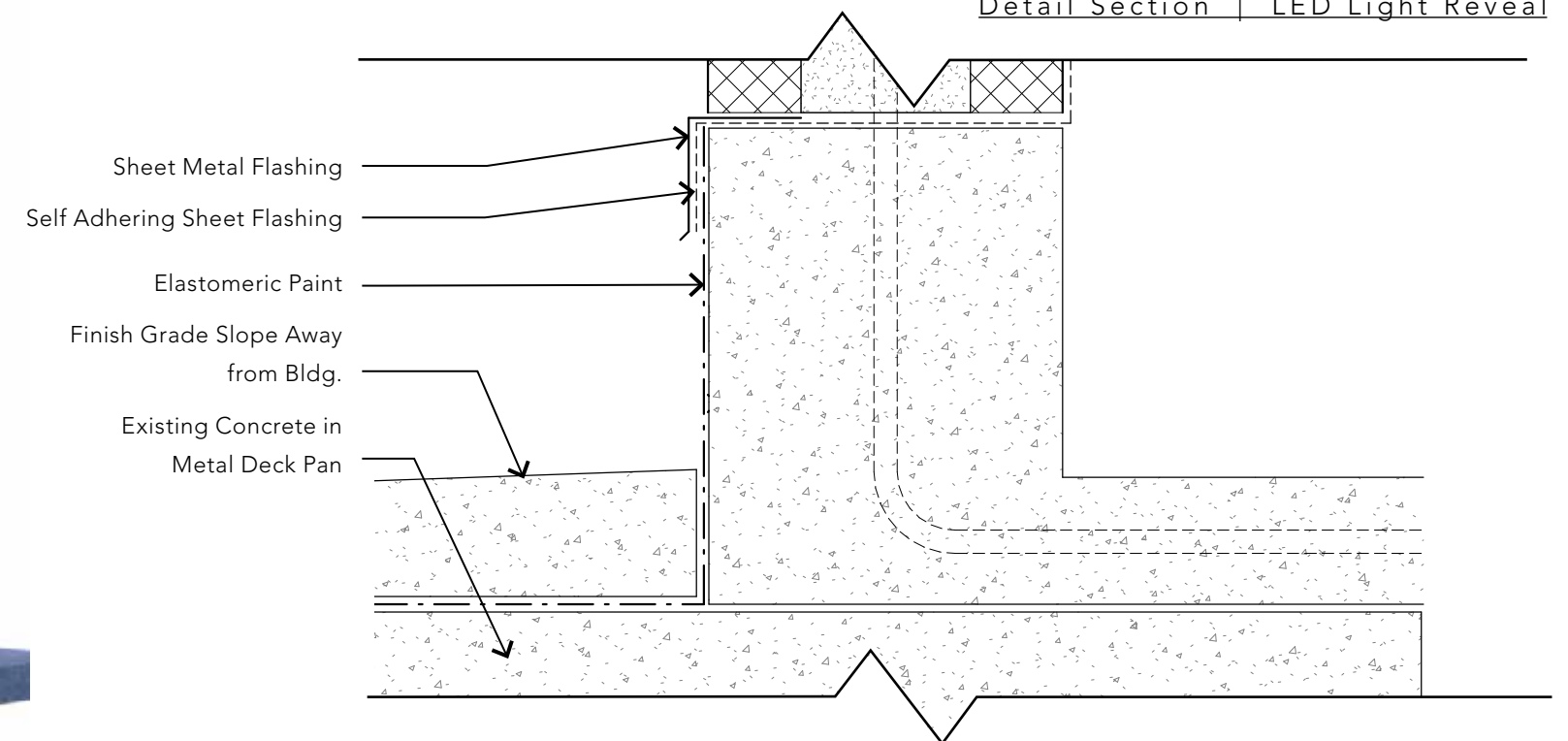
Section E: Main Hall
3/16" = 1' - 0"



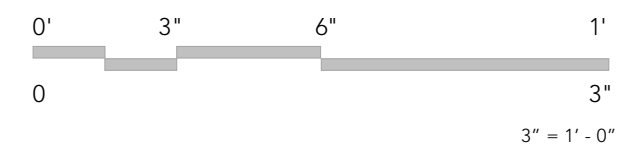
C.23 BUILDING DETAILS
MAIN HALL DETAILS



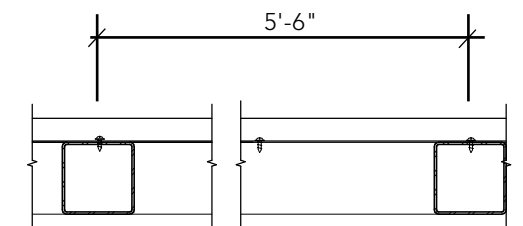
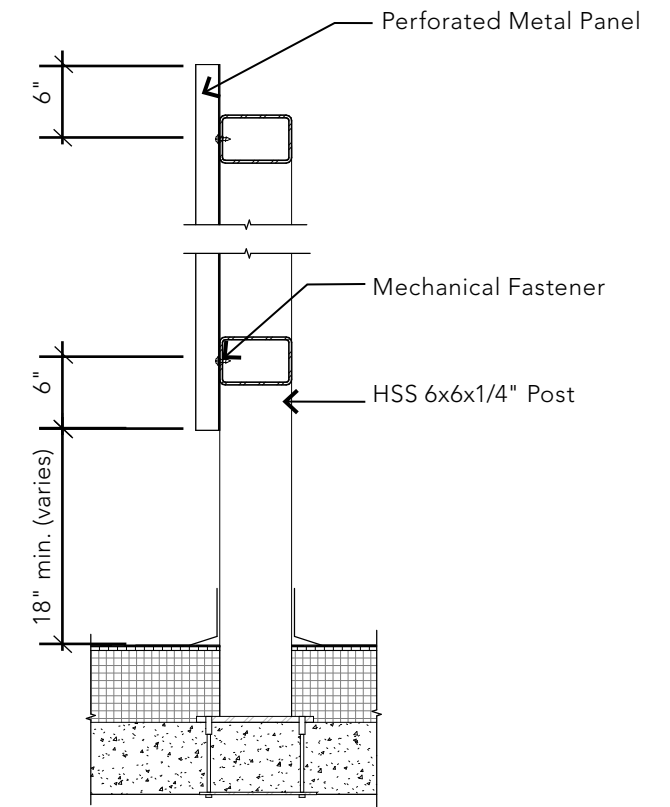
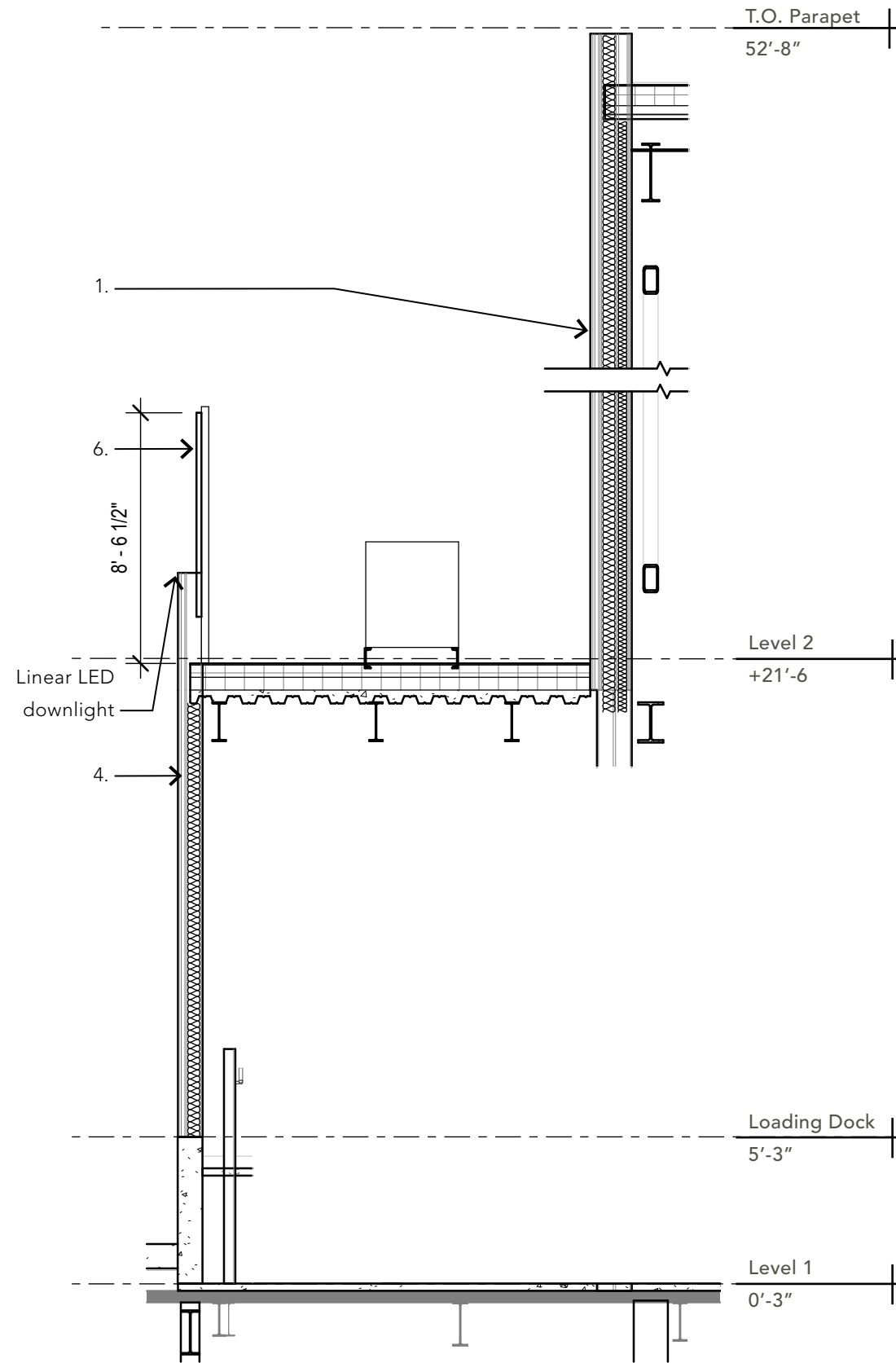
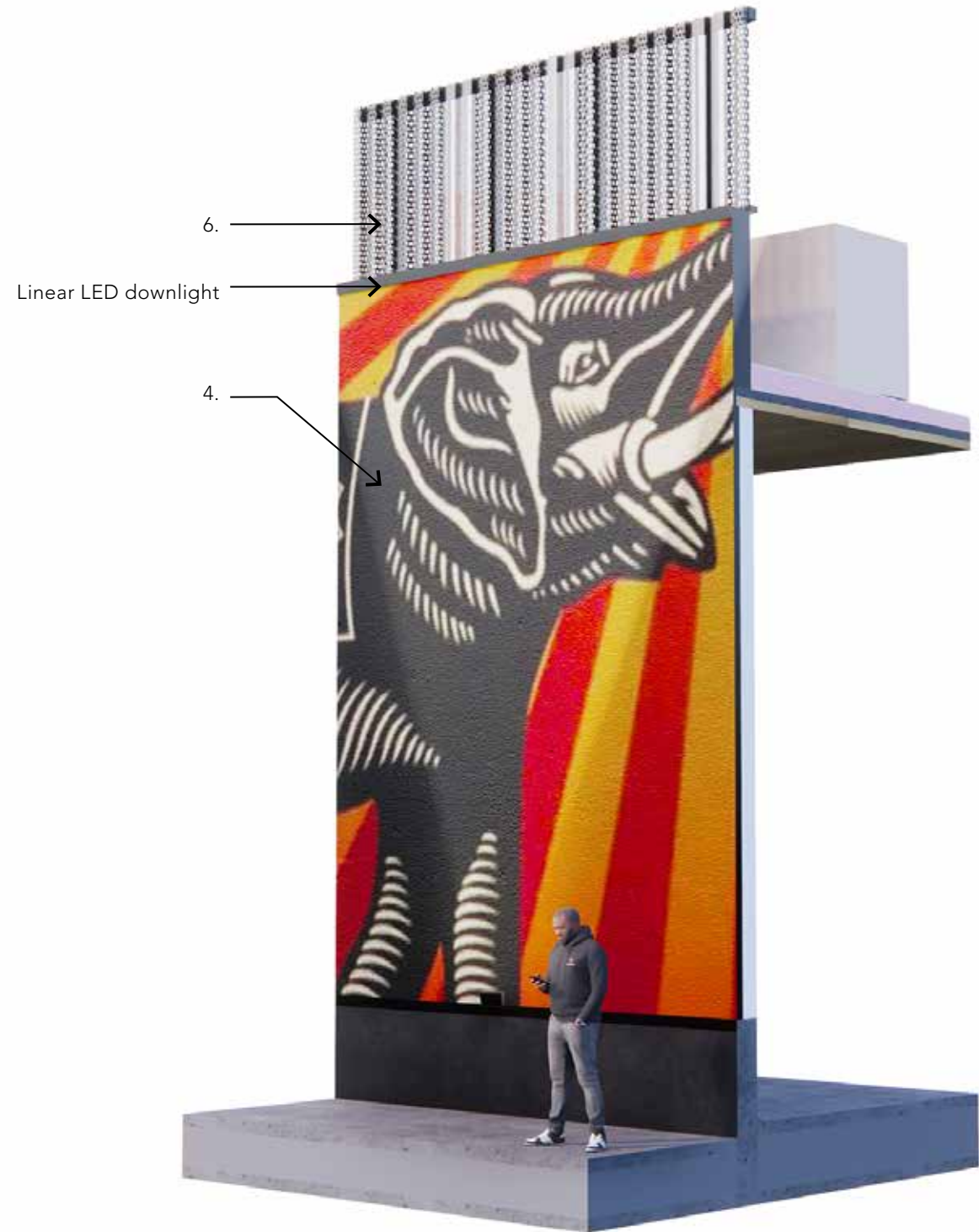
Detail Section | LED Light Reveal



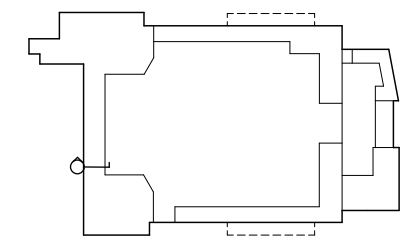
Detail Section | CMU Wall @ Grade



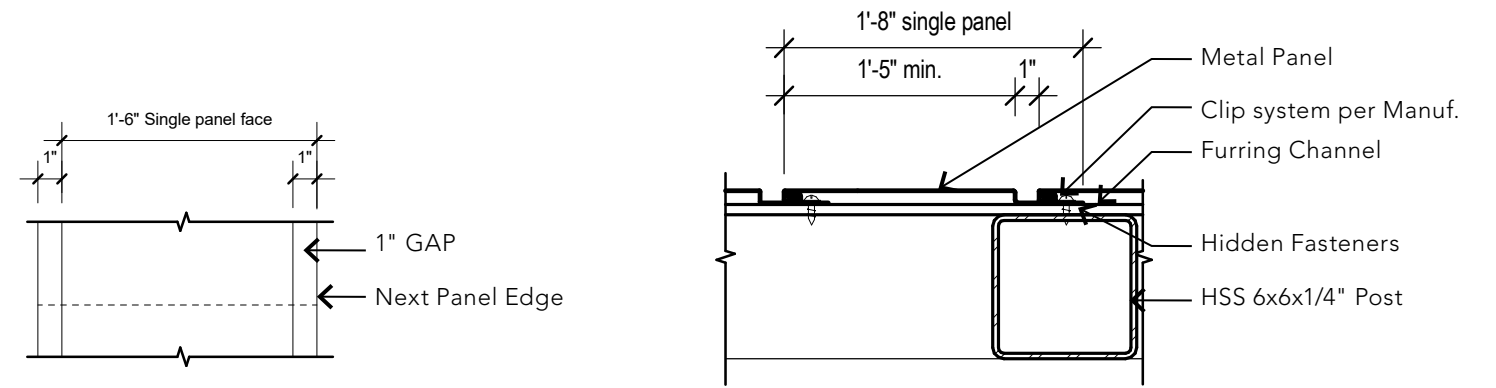
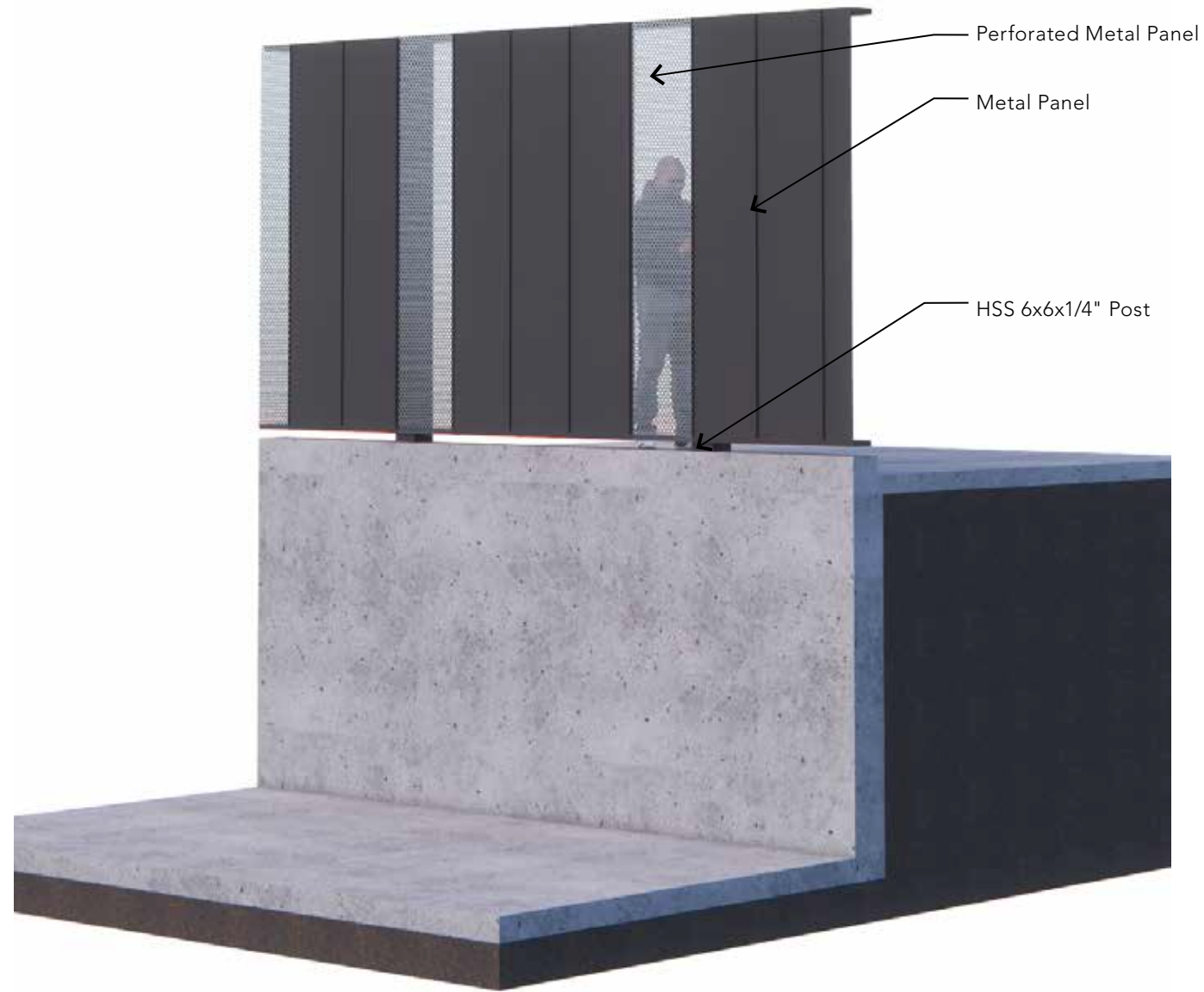
C.24 BUILDING DETAILS BOH | WALL SECTION



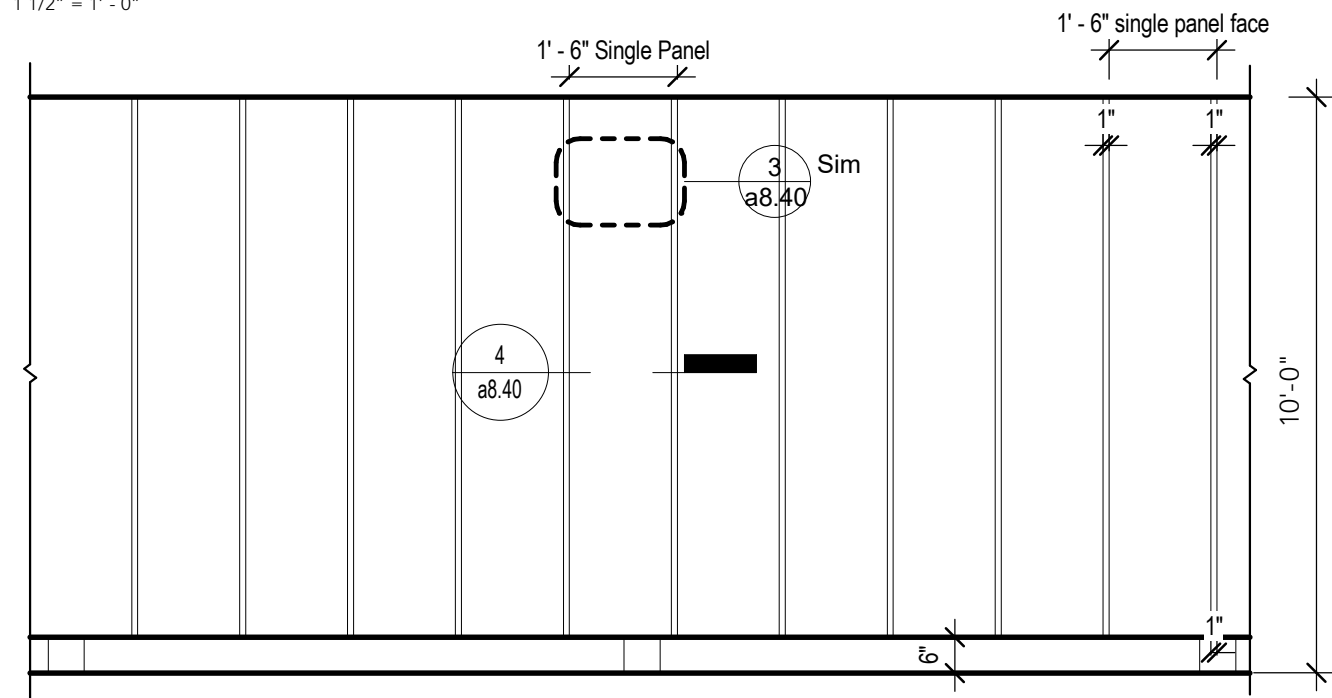
Section G: BOH
3/16" = 1' - 0"



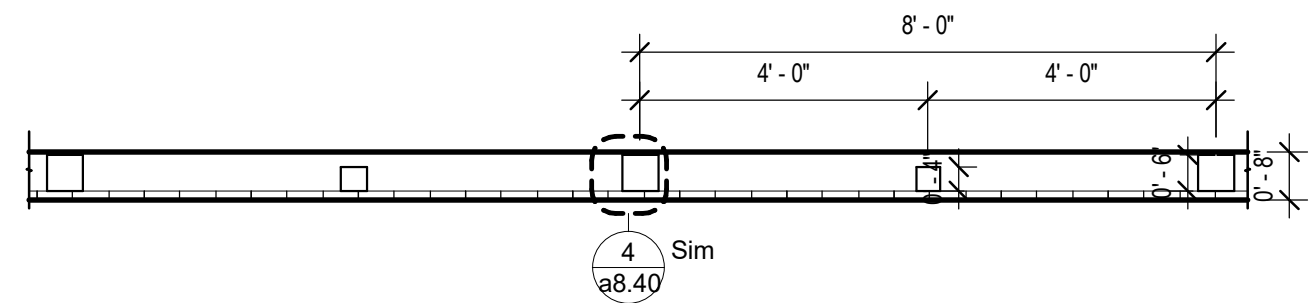
C.25 BUILDING DETAILS LOADING AREA FENCE | WALL SECTION



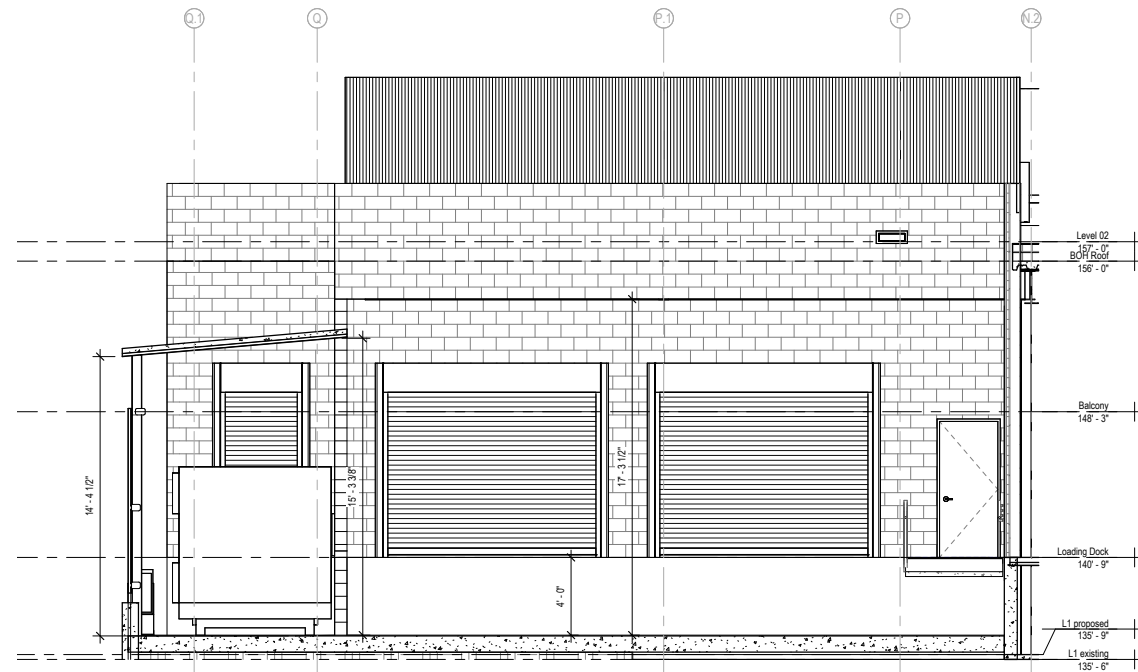
Detail | Loading Fence
1 1/2" = 1' - 0"



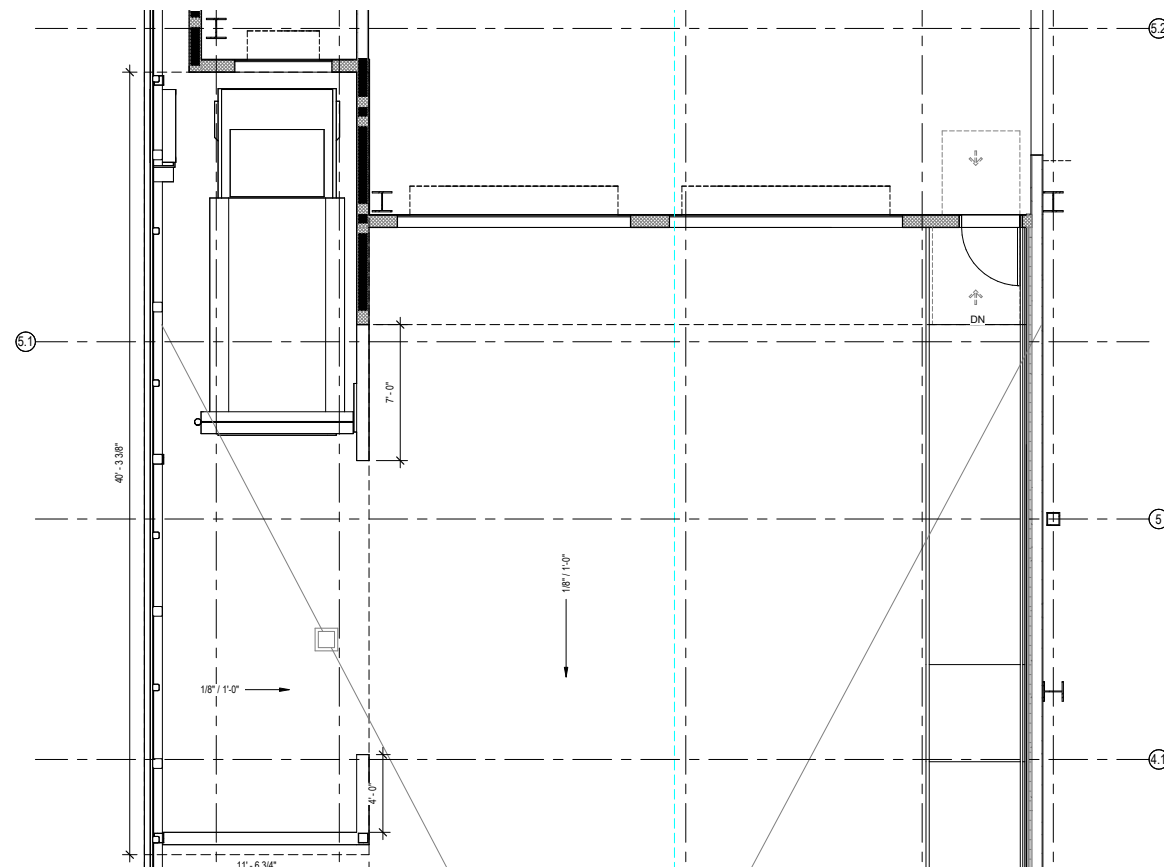
Detail | Loading Fence Enlarged Elevation
3/8" = 1' - 0"



Detail | Loading Fence Enlarged Plan
3/8" = 1' - 0"



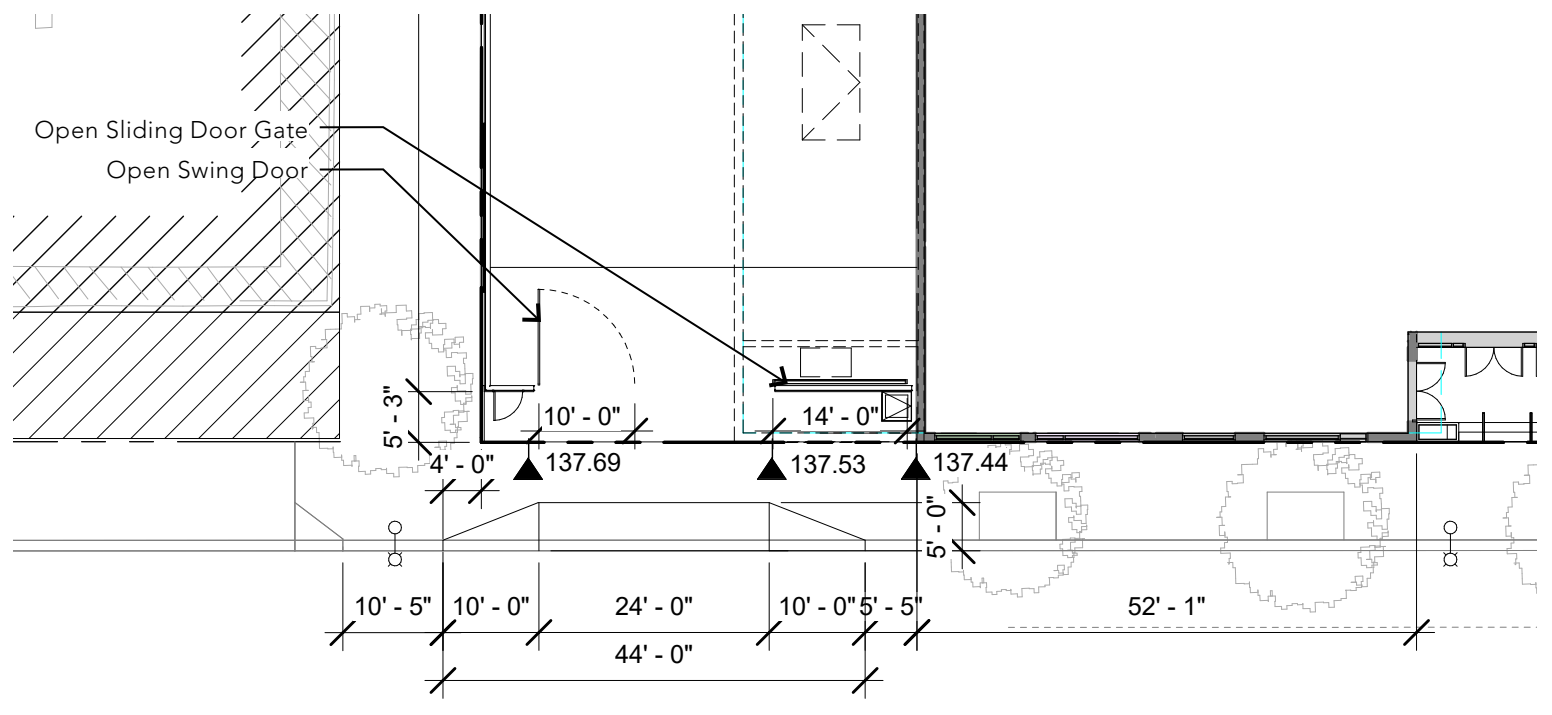
Dock & Trash Compactor Elevation



Dock & Trash Compactor Plan



Opened Fence



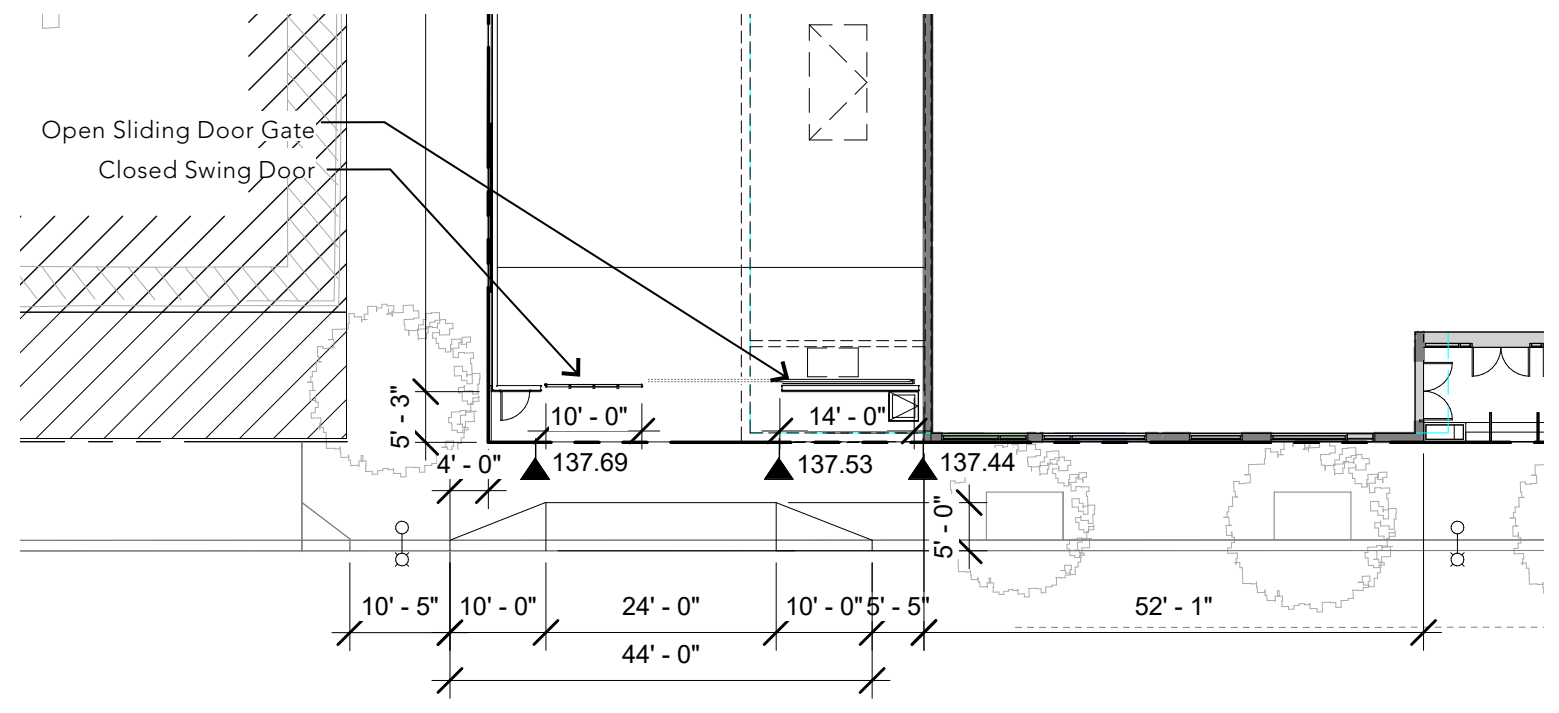
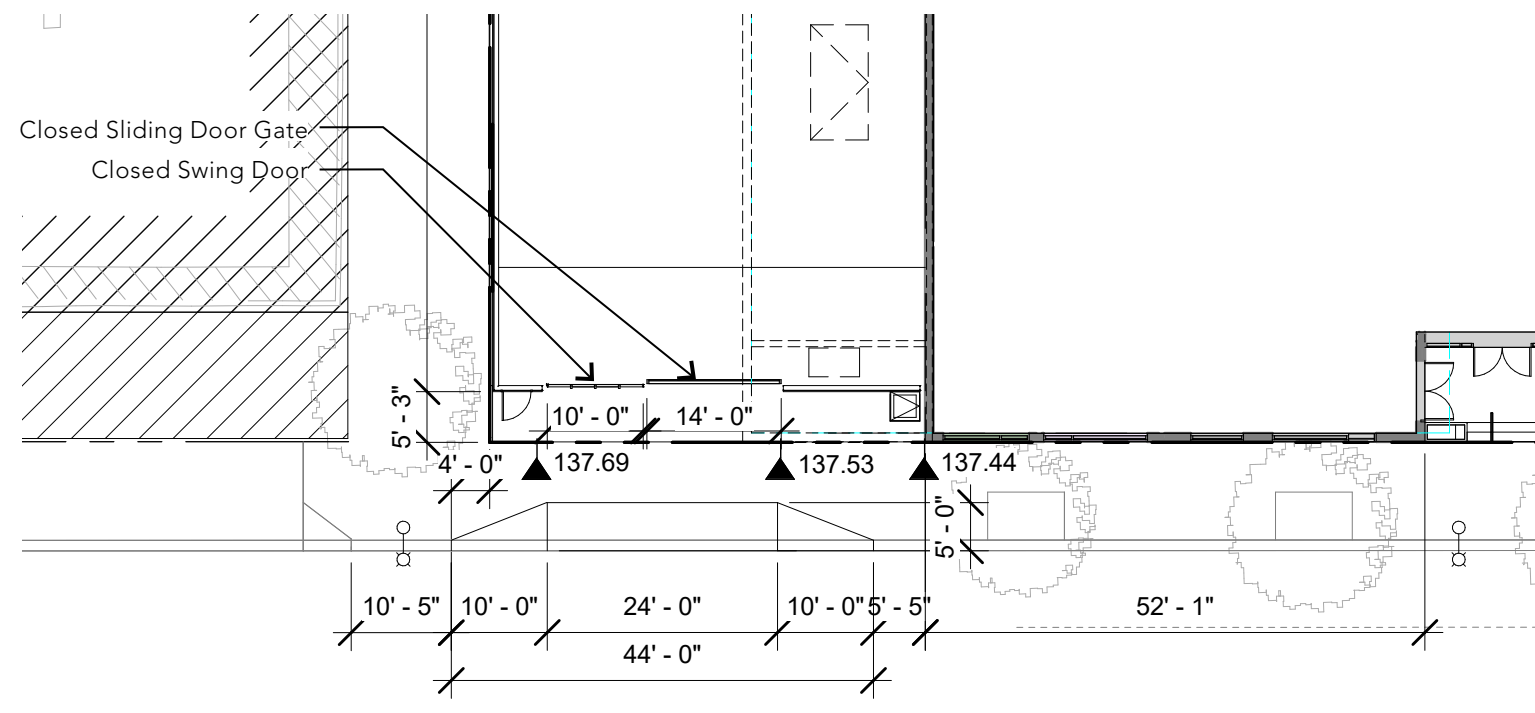
C.27 BUILDING DETAILS
LOADING AREA FENCE






Closed Fence - Night

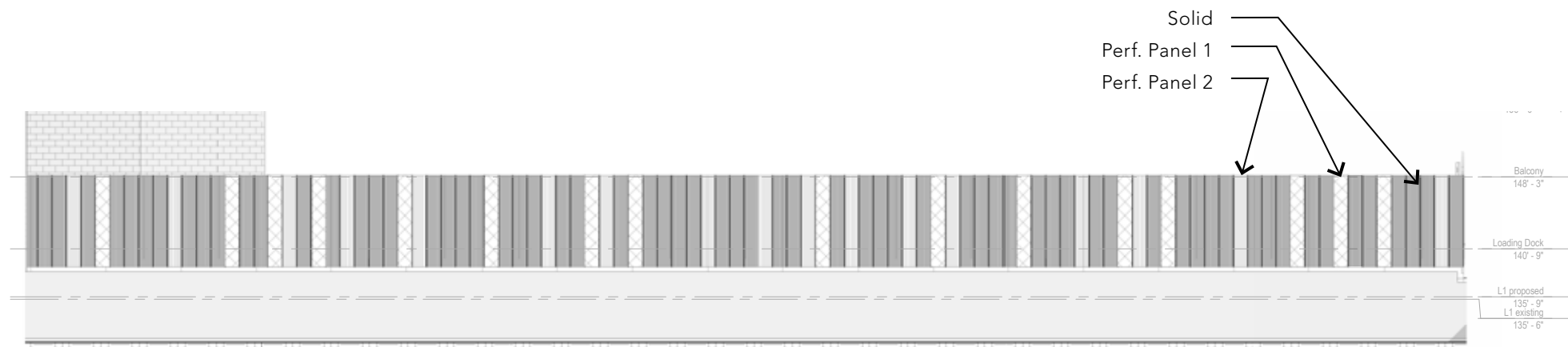


Opened Fence - Dusk

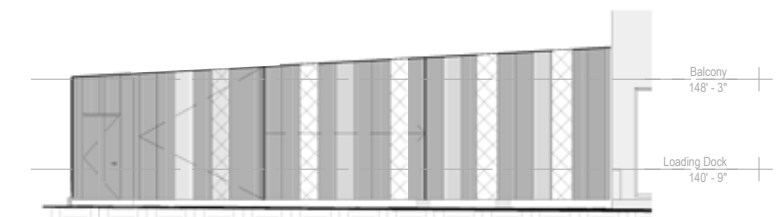


C.28 BUILDING DETAILS PERFORATED SCREENS

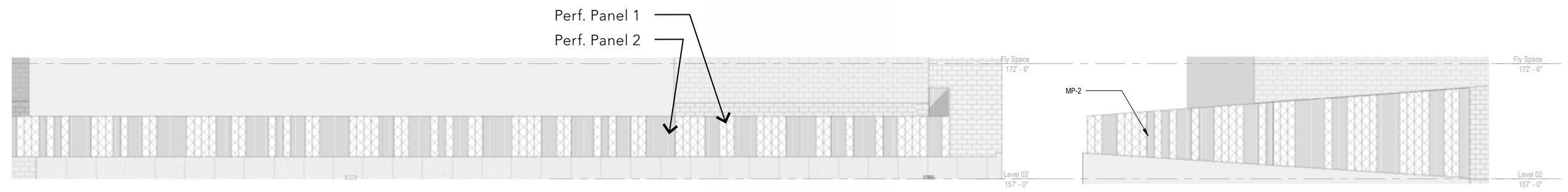
-  Solid Panel
-  Perforated Panel 1 - 30% Open
1/8" hole x 7/32" spacing
-  Perforated Panel 2 - 21% Open
1/4" hole x 1/2" spacing



Loading Fence - North Elevation

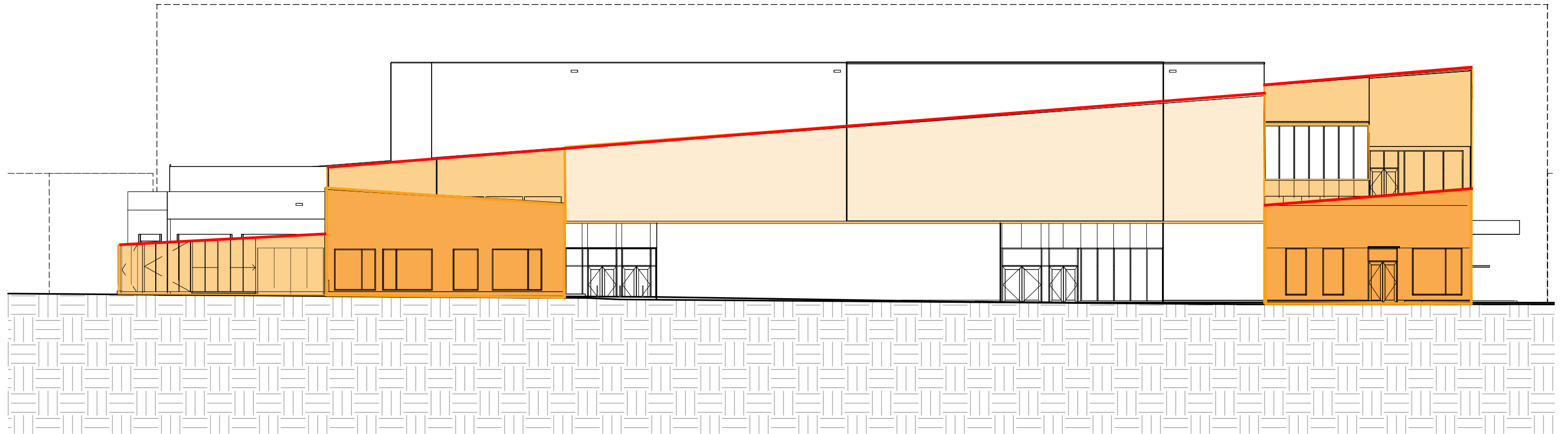


Loading Fence - West Elevation



Mechanical Screen - North Elevation

Mechanical Screen - West Elevation



Building Form

-  Ceraclad
-  Metal Panel & Perforated Metal Panel
-  CMU

PROJECT MURAL PROPOSED UNDER, TITLE 4 ORIGINAL ART MURALS

Chapter 4.10 Purpose

The purpose of this Title and the policy of the City of Portland is to permit and encourage original art murals on a content-neutral basis on certain terms and conditions. Original art murals comprise a unique medium of expression which serves the public interest. Original art murals have purposes distinct from signs and confer different benefits. Such purposes and benefits include: improved aesthetics; avenues for original artistic expression; public access to original works of art; community participation in the creation of original works of art; community building through the presence of and identification with original works of art; and a reduction in the incidence of graffiti and other crime. Murals can increase community identity and foster a sense of place and enclosure if they are located at heights and scales visible to pedestrians, are retained for longer periods of time and include a neighborhood process for discussion.

Chapter 4.20 Allowed and Prohibited Original Art Murals

(Amended by Ordinance Nos. 185915 and 189656, effective September 20, 2019.) Original Art Murals that meet all of the following criteria and which are not prohibited will be allowed upon satisfaction of the applicable permit requirements:

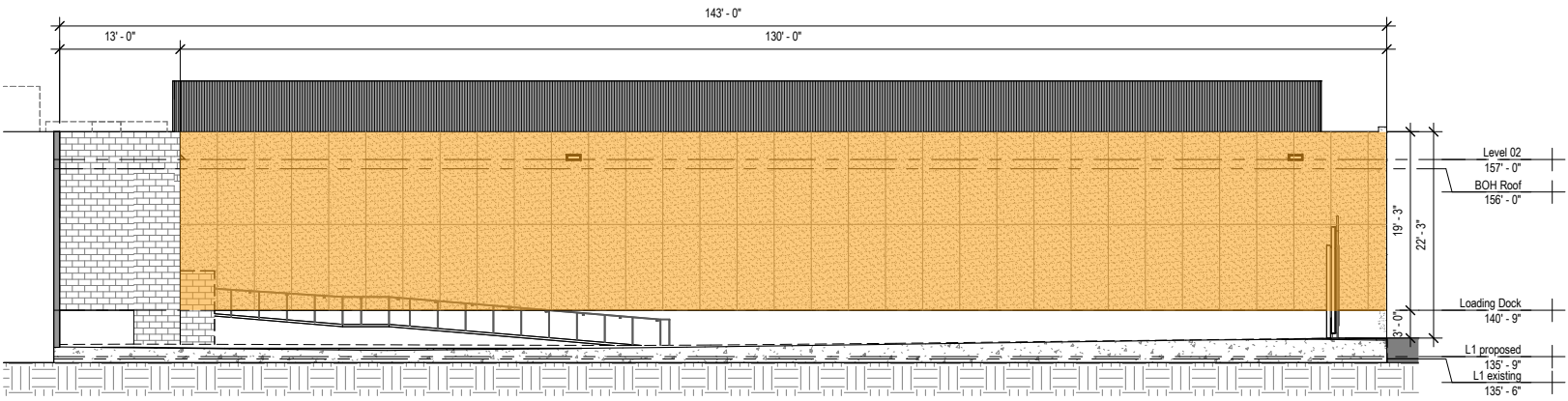
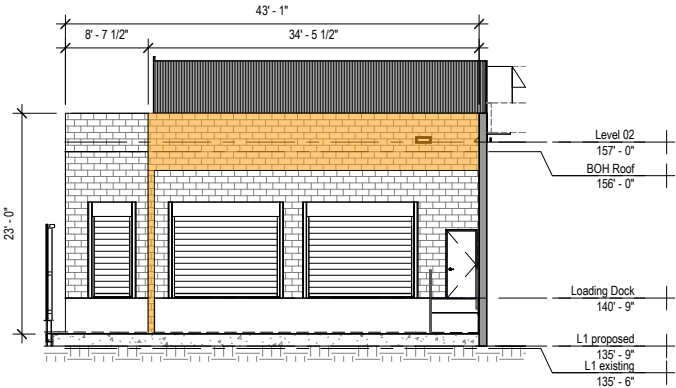
1. No part of the mural shall exceed 30 feet in height measured from the grade plane.
2. The mural shall remain in place, without alterations, for a period of 2 years, except in limited circumstances to be specified in the Bureau of Development Services Administrative Rules. The applicant shall certify in the permit application that the applicant agrees to maintain the mural in place for a period of 2 years without alteration.
3. The mural shall not extend more than 6 inches from the plane of the surface upon which it is tiled or painted or to which it is affixed.
4. In Design Overlay Zones, the mural shall meet all of the additional, objective Design Standards for Original Art Murals, as established in the Bureau of Development Services Administrative Rules.

Chapter 4.30 Neighborhood Involvement Process

4.30.010 Establishment of Neighborhood Involvement Process for Permits. The Bureau of Development Services shall adopt through Administrative Rule a community involvement process requiring an applicant for an Original Art Mural permit to provide notice of and to hold a community meeting on the mural proposal at which interested members of the public may review and comment upon the proposed mural. No Original Art Mural permit shall be issued until the applicant certifies that he or she has completed the required Neighborhood Involvement Process. This is a process requirement only and in no event will an Original Art Mural permit be granted or denied based upon the content of the mural.



View of Loading Area Mural through gate



Mural Location



REINFORCED CONCRETE PANEL



METAL PANEL



PERFORATED METAL PANEL



PAINTED CMU BLOCK



APPLIED COLORED FILM

C.32 LANDSCAPE PLANS

HARDSCAPE PLANS


LEGEND

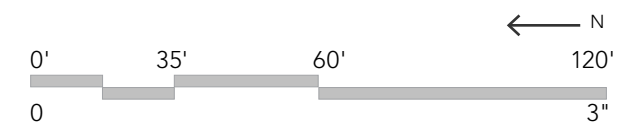
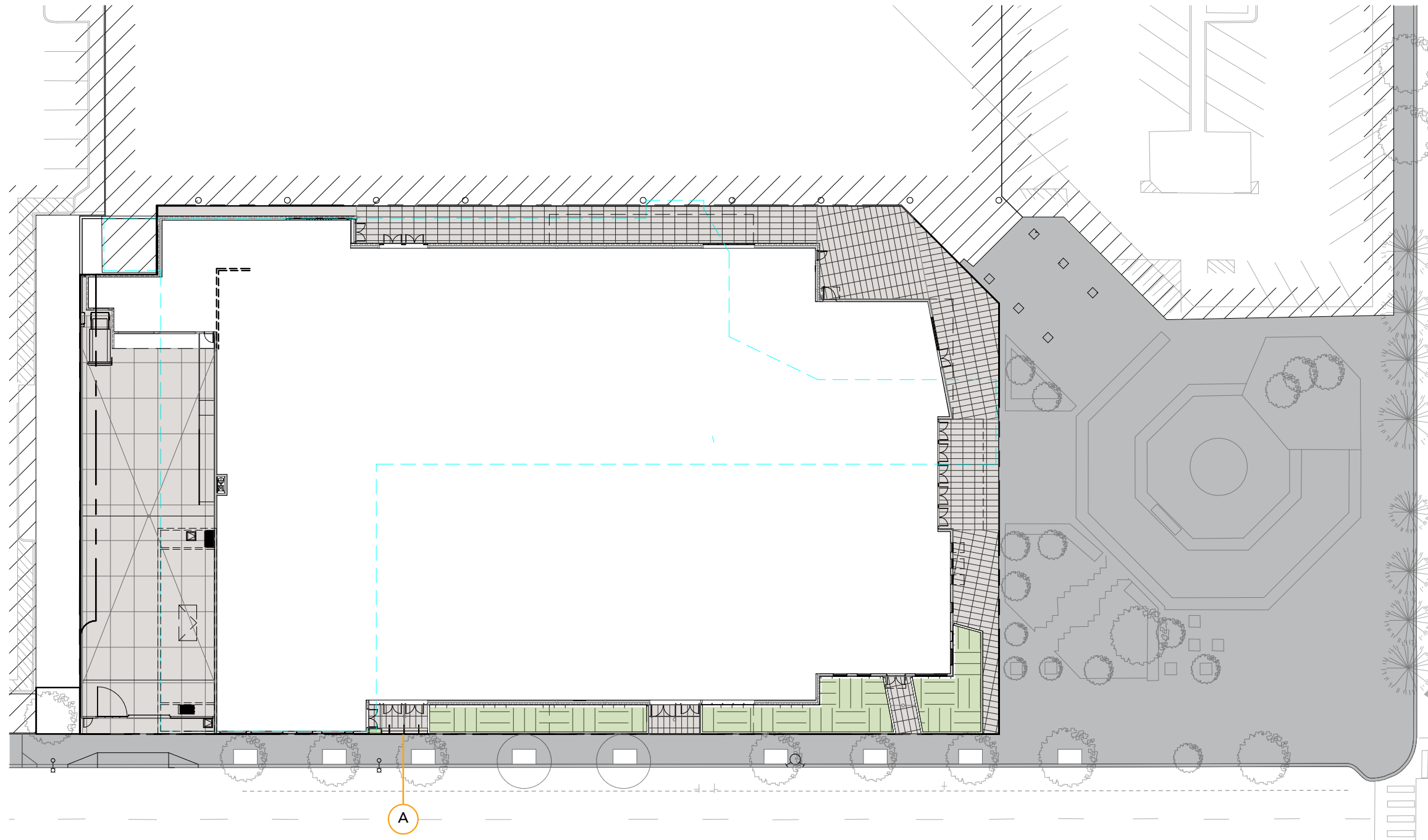
 Scored Concrete Paving



 Existing Plaza & Sidewalk

 In-Ground Planters

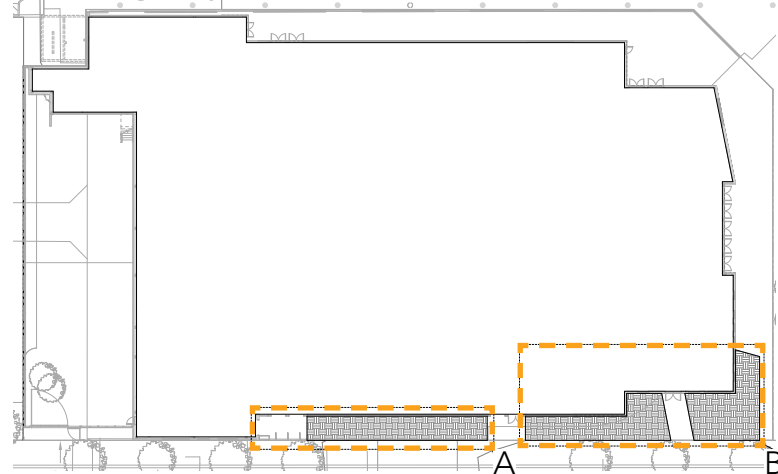
 Black Powder Coated Handrails



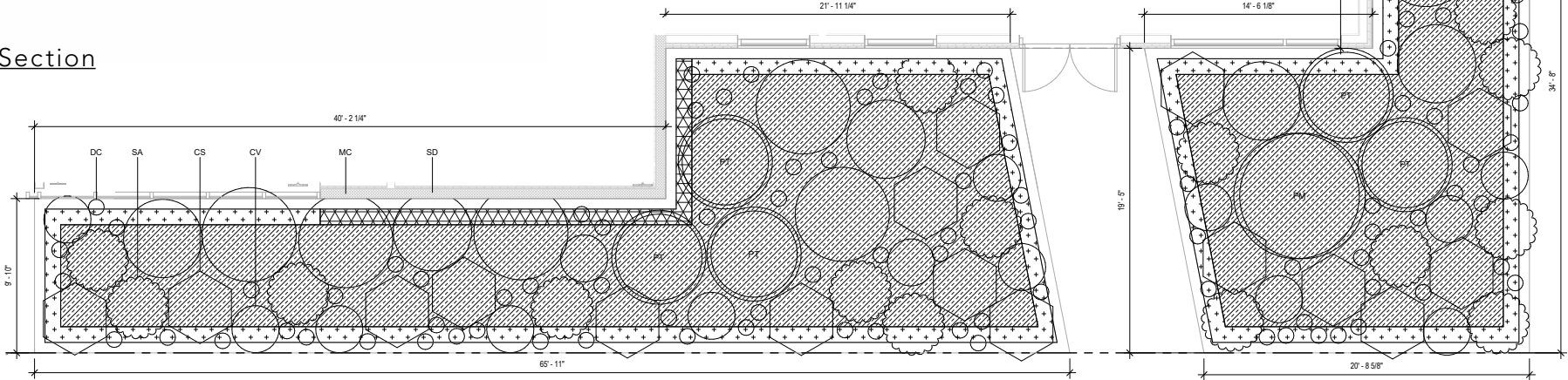
C.33 LANDSCAPE PLANS

GROUND LEVEL PLANTING PLAN

Planting Key Plan



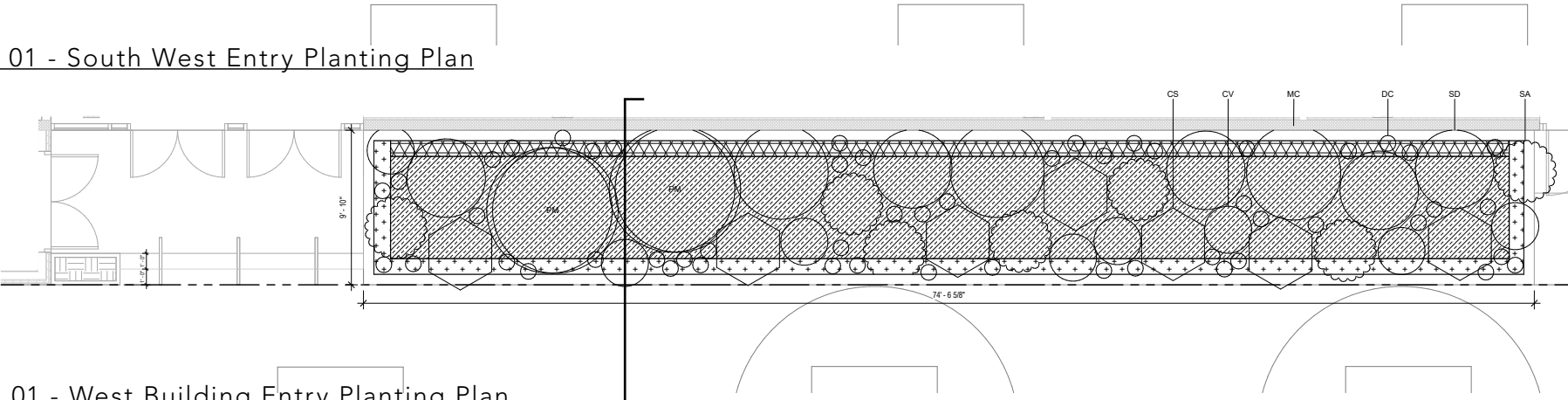
Typical Section



Planting Legend

Symbol	Abv.	Botanical Name	Common Name	Quantity
	CV	Ceanothus velutinus	Snowbrush	25
	CS	Cornus sericea	Red-twig Dogwood	25
	DC	Deschampsia cespitosa	Tufted Hair Grass	200
	MC	Morella (Myrica) californica	Pacific Wax Myrtle	9
	SD	Spiraea douglasii	Douglas' Spirea	12
	SA	Symphoricarpos alba	Common Snowberry	16
	PM	Pseudotsuga menziesii	Douglas Fir	3
	PT	Populus tremuloides	Quaking Aspen	4
	AU	Arctostaphylos uva-ursi	Kinnickinnick	
	CD	Carex densa	Dense Sedge	
	TA	Trachelospermum asiaticum	Theta Star Jasmine	

B. Level 01 - South West Entry Planting Plan



A. Level 01 - West Building Entry Planting Plan



C.34 LANDSCAPE PLANS
GROUND LEVEL PLANTING PLAN



B. Level 01 - South West Entry Planting Plan



A. Level 01 - West Building Entry Planting Plan



PT - Quaking Aspen



PM - Douglas Fir



TA - Star Jasmine



AU - Kinnickinnick



SD - Douglas' Spirea



MC - Pacific Wax Myrtle



SA - Common Snowberry



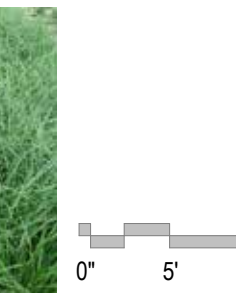
CV - Snowbrush



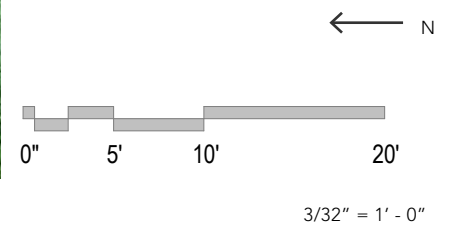
CS - Red Twig Dogwood



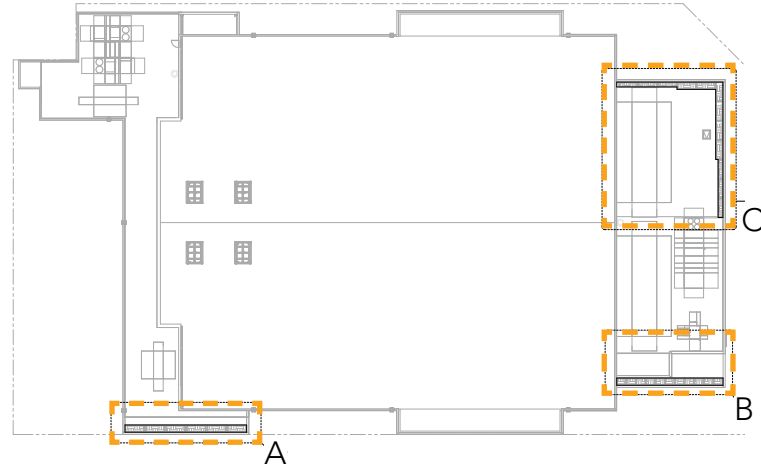
DC - Tufted Hair Grass



CD - Dense Sedge

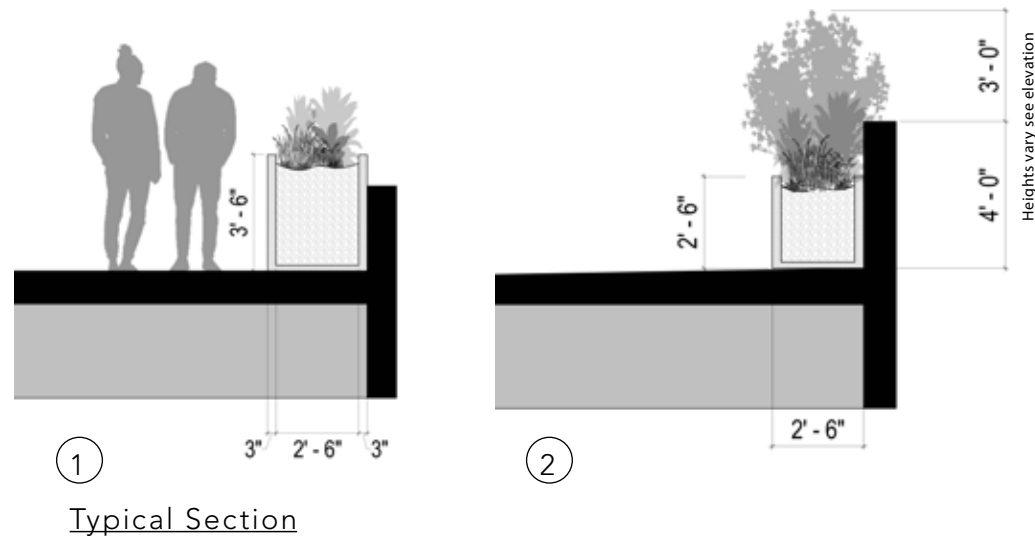


Planting Key Plan

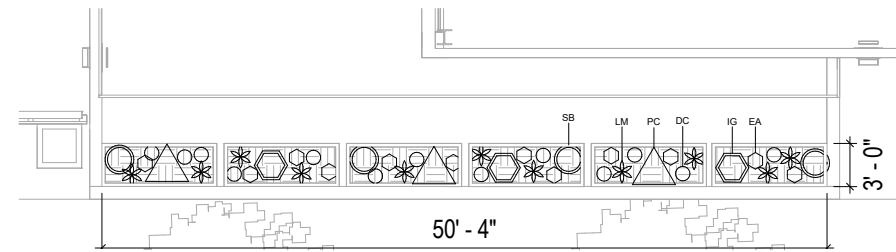


Planting Legend

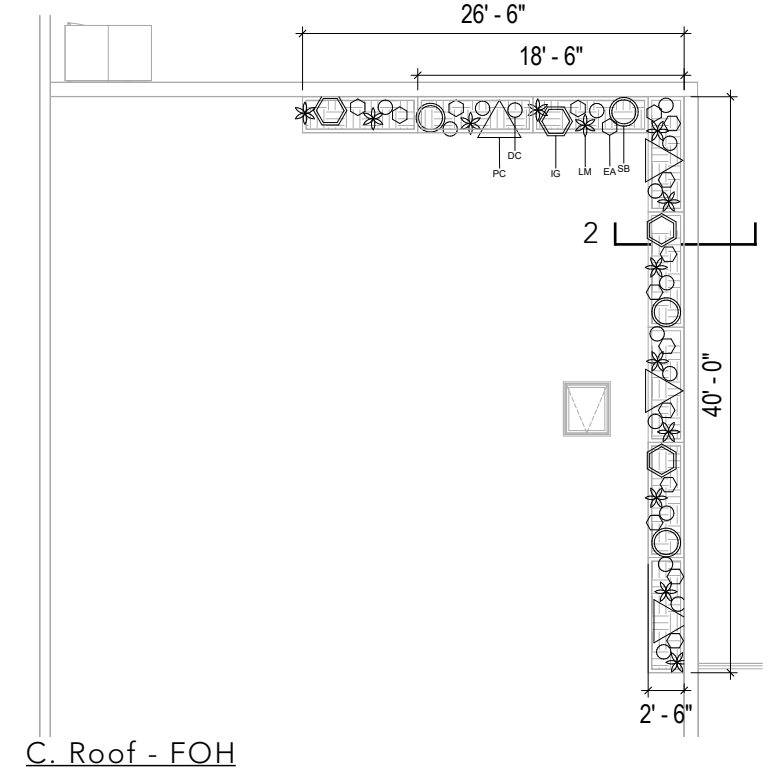
Symbol	Abv.	Botanical Name	Common Name	Quantity
○	DC	<i>Deschampsia cespitosa</i>	Tufted Hair Grass	59
◊	EA	<i>Eleocharis acicularis</i>	Needle Spike Rush	47
⬡	IG	<i>Ilex glabra</i>	Inkberry	12
✱	LM	<i>Liriope Muscari</i>	Big Blue Liriope	40
△	PC	<i>Physocarpus Capitatus</i>	Pacific Ninebark	11
⊙	SB	<i>Spirea betulifolia</i>	Birchleaf Spirea	13
◯	MC	<i>Morella (Myrica) californica</i>	Pacific Wax Myrtle	
	CD	<i>Carex densa</i>	Dense Sedge	



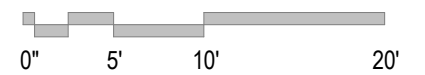
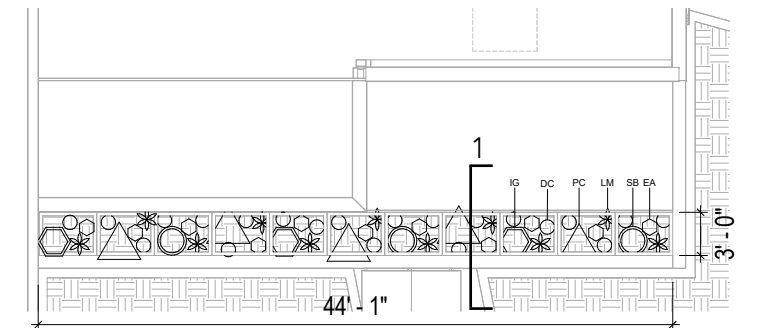
A. Roof - North West Corner Planting Plan



C.35 LANDSCAPE PLANS
ROOF TOP PLANTERS

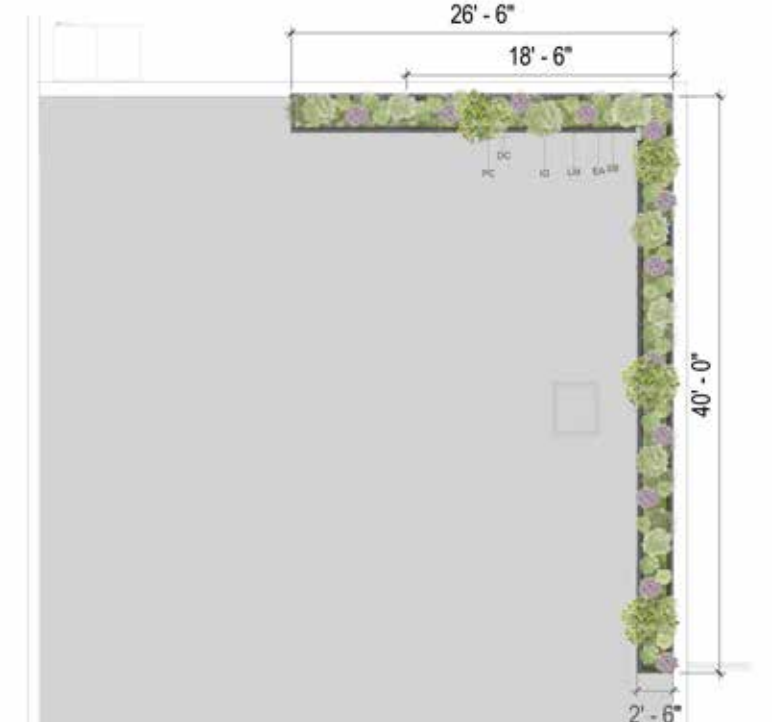


B. Roof - FOH Terrace Planting Plan

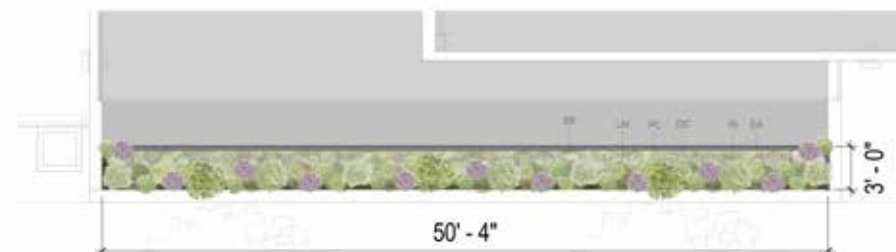


3/32" = 1' - 0"

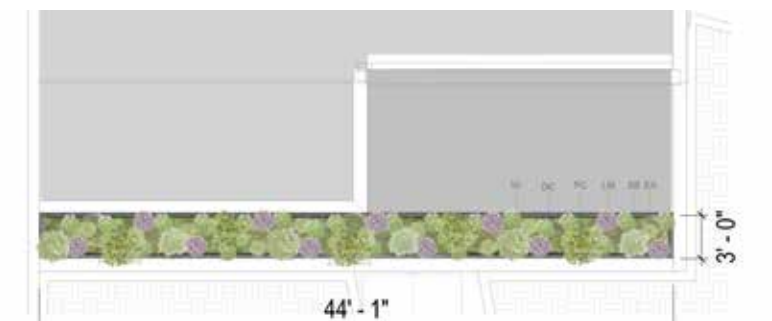
C.36 LANDSCAPE PLANS
ROOF TOP PLANTERS



C. Roof - FOH



A. Roof - North West Corner Planting Plan



B. Roof - FOH Terrace Planting Plan



SB - Birchleaf Spirea



PC - Pacific Ninebark



MC - Pacific Wax Myrtle



IG - Inkberry



LM - Big Blue Liriope



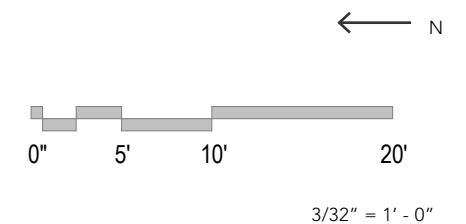
EA - Needle Spike Rush



DC - Tufted Hair Grass



CD - Dense Sedge



C.37 PLANTING MATERIALS



Birchleaf Spirea
SB



Red Twig Dogwood
CS



Pacific Ninebark
PC



Pacific Wax Myrtle
MC



Tufted Hair Grass
DC



Dense Sedge
CD



Douglas' Spirea
SD



Snowbrush
CV



Inkberry
IG



Theta Asian Star Jasmine
TA



Douglas Fir
PM



Quaking Aspen
PT



Big Blue Liriope
LM



Common Snowberry
SA

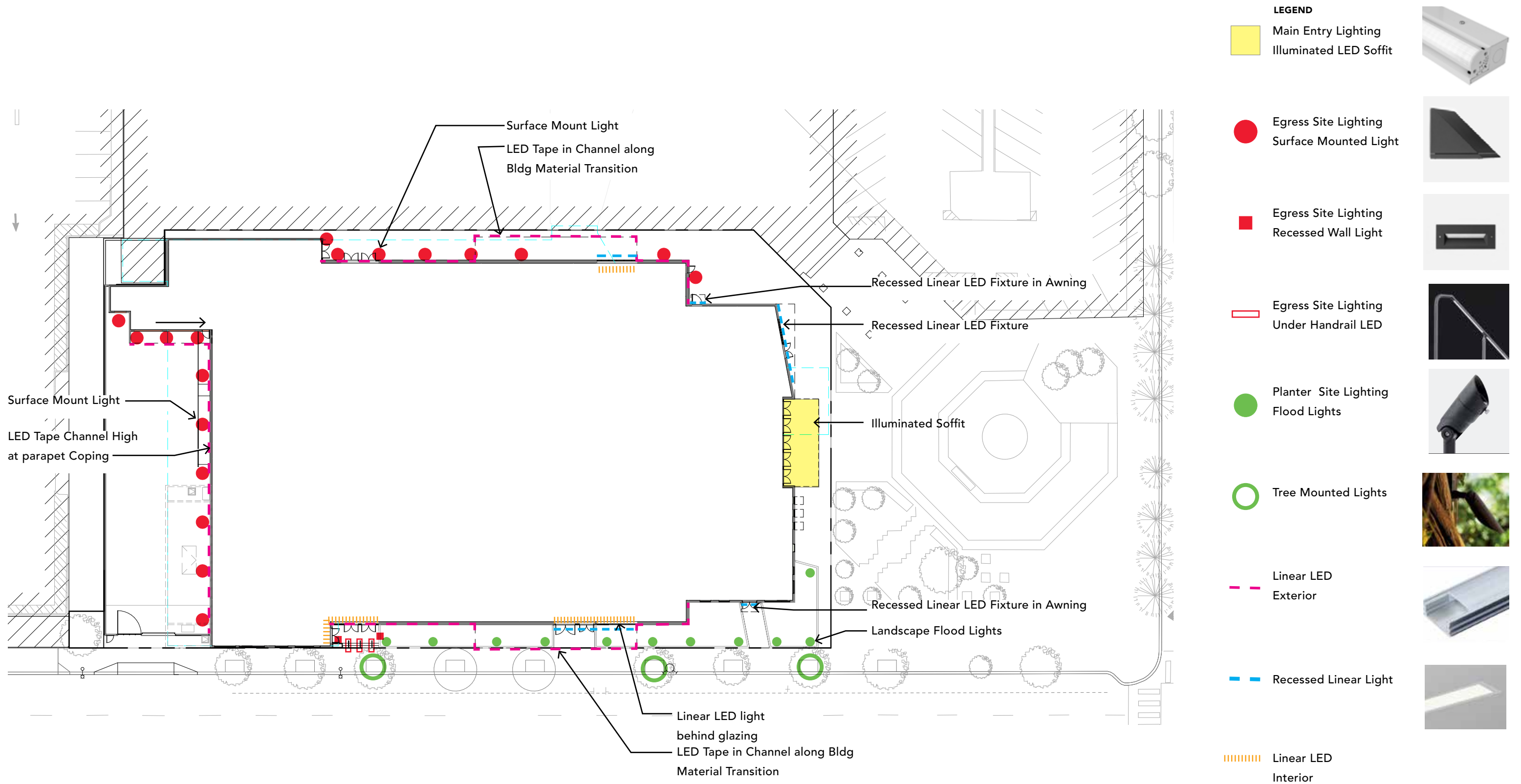


Needle Spike Rush
EA



Kinnickinnick
AU

C.38 SITE LIGHTING PLAN



Main Entry Lighting
Illuminated LED Soffit

BSS110 | Cove

Adjustable cove mount LED luminaire



Project: _____ Type: _____



FEATURES

The BSS110 is a small profile, linear LED fixture for cove mount applications. The sheet formed and extruded components combine to produce a rugged, functional and simple luminaire. The unique rotating element allows for 120° range of focus adjustment and positive locking that is easily performed in the field. The BSS110 is fitted with 90+ CRI LEDs and available with two lens optics.

Fixture with certain options available for 7-Day QuickShip.

SPECIFICATIONS

Fixture mounting/wiring channel is formed and welded 20 ga. steel chemically treated to resist corrosion and enhance paint adhesion.

LED housing is extruded aluminum with sheet aluminum end caps.

Standard fixture finish is semi-gloss white powder coat, applied post production

Asymmetric and general diffuse extruded acrylic lens options available

Available in nominal lengths of 2', 3', 4' and 5'

LED housing rotates and locks in place without tools at -15°, 0°, 15°, 30°, 45°, 60°, 75°, 90° and 105°

Knock outs on ends, and underside accept standard electrical fittings by others

Standard integral 120V-277V driver offered with 0-10V dimming or non-dim (other dimming driver options available)

Integral 120-277V emergency battery backup available for 4' nominal non-dim or 0-10V (consult factory for all other lengths/drivers)

Standard outputs range from 465 to 655 lumens per foot, dependent on optic option

LEDs available in 2700K, 3000K, 3500K, and 4000K, within a 3 step MacAdam ellipse, all with 90+ CRI typical

Life: 50,000 hours L₇₀

Limited five year warranty

UL and C-UL listed for dry and damp locations



Egress Site Lighting
Surface Mounted Light

Wall washer · Symmetric

BEGA

Application

Designed for indirect or direct lighting effects for interior and exterior locations. This wall luminaire is for illuminating wall surfaces, with the mounting surface also acting as the reflection surface. DarkSky Approved when installed facing down (2700K and 3000K only)

Materials

Clear safety glass with white ceramic coating
Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Pure anodized aluminum reflector

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 11.5 lbs.

Electrical

Operating voltage 120-277VAC
Minimum start temperature -30° C
LED module wattage 50.4 W
System wattage 57.0 W
Controllability 0-10V dimmable
Color rendering index Ra > 80
Luminaire lumens 4849 lm
LED service life (L70) 60000 hrs

LED color temperature

- 4000K (K4)
- 3500K (K35)
- 3000K (K3) (DarkSky Approved)
- 2700K (K27) (DarkSky Approved)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors

- Black (BLK)
- Silver (SLV)
- RAL:
- Bronze (BRZ)
- White (WHT)
- CUS:

Type: 22 458 - 3000K - BLK

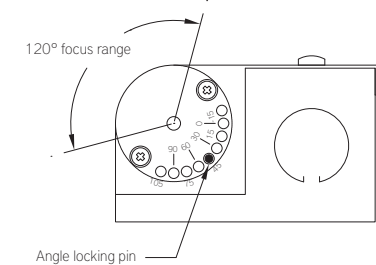
BEGA Product:

Project:

Modified:

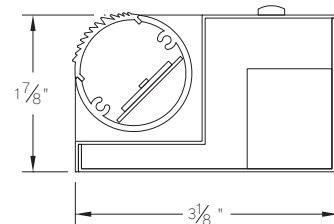
7 DAY QuickShip Highlighted fields denote QuickShip Options. See complete 7-Day QuickShip Terms and Conditions available at www.bartcolighting.com/quickship-products/ Purchase order must reference "QuickShip".

PROFILE



SECTION

Shown with asymmetric optic

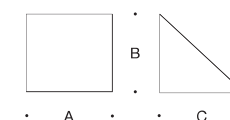
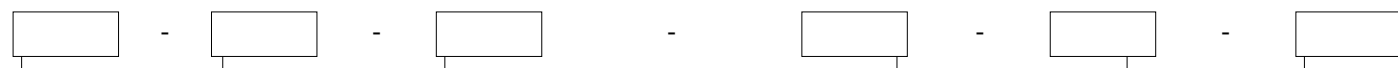


PERFORMANCE

Note: All data reflects fixtures with 3500K LEDs

NOMINAL LENGTH	OPTIC OPTION	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
4'	Asymmetric	L: low	485	5.5	1838	89
		R: regular	655	7.6	2477	86
	Frosted (Lambertian)	L: low	465	5.6	1753	83
		R: regular	625	7.7	2362	81

BSS110 -



Wall washer · Symmetric

	LED	A	B	C
B22458	50.4W	10 ³ / ₄	8 ¹ / ₂	9 ⁵ / ₈

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805)684-0533 info@bega-us.com



Egress Site Lighting
Recessed Wall Light

Recessed wall luminaire · Directed light

Application

Recessed wall luminaire with asymmetric light distribution that is ideal for the illumination of ground surfaces, building entrances, stairs and footpaths. Separate installation housing allows for seamless coordination into construction and easy maintenance.

Materials

BEGA Tricoat ®, a 3-layer finishing technology for increased corrosion protection
Composite installation housing
Pure anodized aluminum reflector

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 1.5 lbs.

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-40° C
LED module wattage	4.1 W
System wattage	6.0W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	231 lm
LED service life (L70)	60000hrs

LED color temperature

- 4000K (K4)
- 3500K (K35)
- 3000K (K3)
- 2700K (K27)

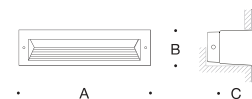
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors

- Black (BLK)
- Bronze (BRZ)
- Silver (SLV)
- White (WHT)
- RAL:
- CUS:



Recessed wall luminaire - Directed light				
	LED	A	B	C
B33053	4.1W	6 5/8	2 3/4	5

Type:

BEGA Product:

Project:

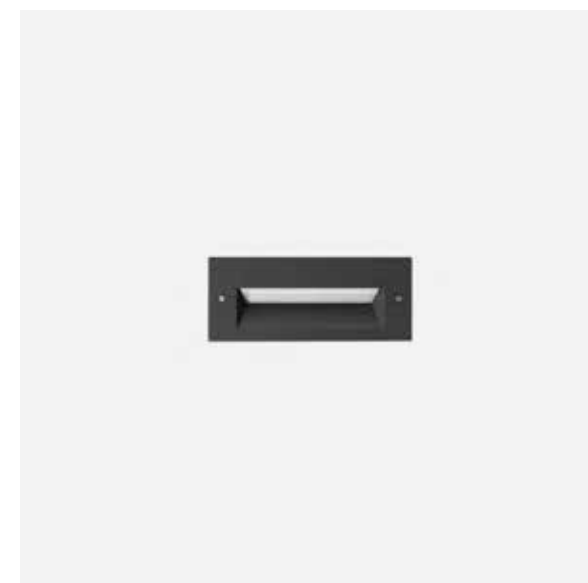
Modified:

Available options

- AMB Amber LED
- CUS Custom finish
- FSC Fusing
- MGU Marine grade undercoat
- RAL RAL finish

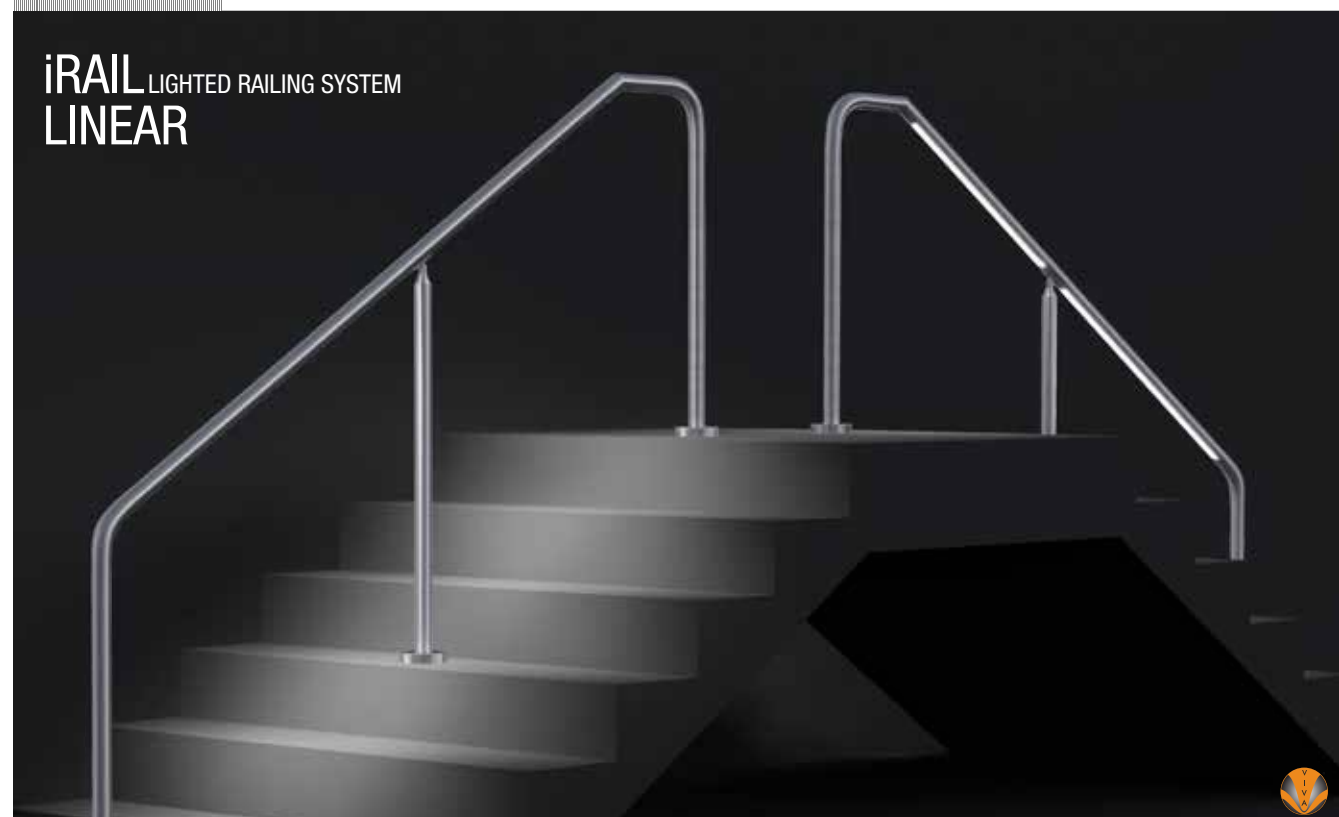
Included (available for pre-shipment)

- BB24063 Installation housing



BEGA

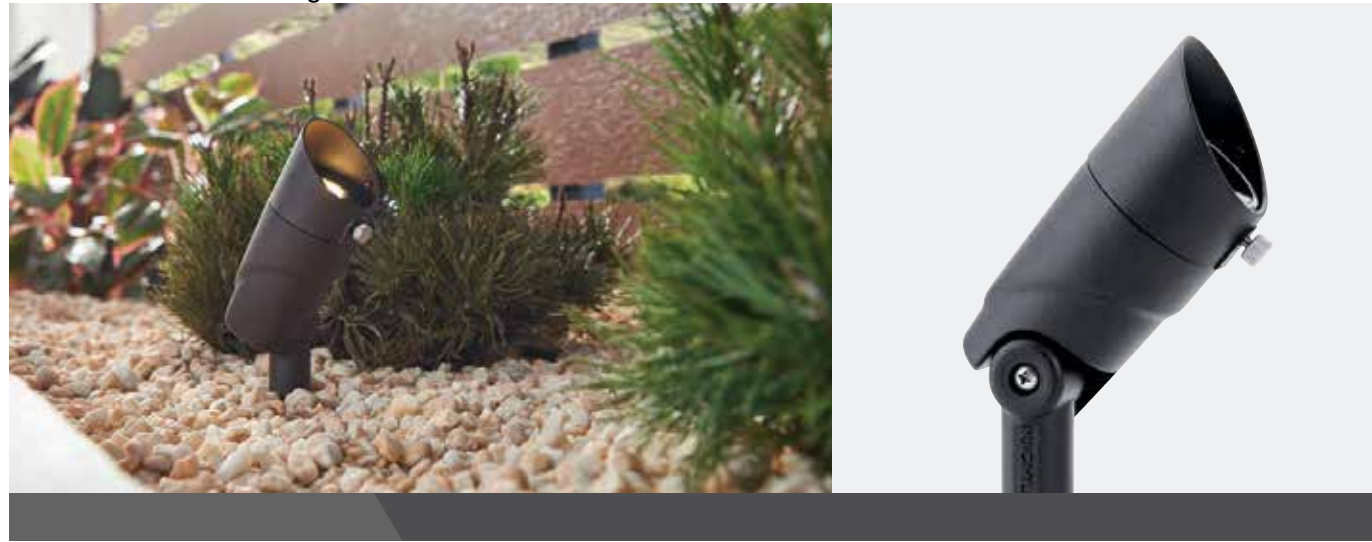
Egress Site Lighting
Integrated Handrail Lights



iRAIL™ LED SYSTEM - TECHNICAL DATA

	TOP RAIL / HAND RAIL	FINISH	SPEC
iRAIL LINEAR (CONTINUOUS iRAIL)	Ø1-1/2" Stainless Steel (304 or 316)	#6 Satin	Color: 3000K Warm White or 4000K Cool White ² Output: Medium: 3 Watt/ft – 185 lumens/ft. High: 5 Watt/ft – 250 lumens/ft. Beam Angle: 120° Orientation: Symmetrical or Asymmetrical at 30° Power: Input 120 - 277 V AC, Output 12 V DC Lens: Clear or Frosted CRI: >90 Rating: IP67
	Ø1-1/2" Stainless Steel 201	Powder Coat	
	Ø2" Wood (Red Oak, White Oak, Cherry or Maple) ²	Unstained	
iRAIL PODS	Ø1-1/2" Stainless Steel (304 or 316)	#6 Satin	Color: 3000K Warm White or 4000K Cool White ² Output: 1.5 Watt - 130 lumens for sym., 106 lumens for Asym. per pod Beam Angle: 60° Orientation: Symmetrical or Asymmetrical at 22° Power: Input 100 - 305 V AC, Output 12 V DC CRI: >80 Rating: IP67
	Ø1-1/2" Stainless steel (201)	Powder Coat	
	Ø2" Stainless Steel (304 or 316)	#6 Satin	
	Ø2" Stainless Steel (201)	Powder Coat	
iRAIL CAPSULE	POST	FINISH	SPEC
	Ø2" Post Stainless steel (304 or 316) 2"x2" Post Stainless steel(304 or 316)	#6 Satin	Color: 3000K Warm White or 4000K Cool White Output: 1.5W-117 Lumens Sym, 2.5W-190 Lumens Sym, 3.5W-248 Lm Sym. Beam Angle: 120° Orientation: Symmetrical 0° Power: Input 120-277 VAC, Output 24 V DC CRI: >80 Rating: IP67
	Ø2" Post Stainless steel (201) 2"x2" Post Stainless steel (201)	Powder Coat	

- Planter Site Lighting Flood Lights
- Tree Mounted Lights



VLO 12V LED Small Accent

One light, three lumen levels.

Our VLO Accent fixture is equipped with the Lumen Effects System, which allows you to easily switch between three lumen outputs: 100, 200, or 300, with the use of the Magnetic Key. Its field configurable design allows for customization based on the needs of the application.

Variable Lumen Output (VLO) Adjustment		Lumens
Level 1	Flashes one time	100 lm
Level 2*	Flashes two times	200 lm
Level 3	Flashes three times	300 lm



**Factory setting*

VLO 12V LED Small Accent with Lumen Effects System makes designing and modifying landscape lighting easier.



Lumen Effects System eliminates the need to mechanically adjust or open the fixture, supporting product longevity.



Flexible Lumen Levels allows you to set and adjust the lumen levels as the landscape needs change.



Sealed and fully encapsulated to safeguard from water ingress and the outdoor elements – helping to extend the life of the product.



Versatile IP66 rated design provides a dust and water tight housing that can protect against strong jets of water that can occur in coastal areas with strong storms or applications close to sprinklers.



6,000-volt system surge protection protects against power surges and irregularities when paired with one of our transformers.

KICHLER

W.PA

WORKS PROGRESS ARCHITECTURE, LLP

All rights reserved.

Lloyd Center - Concert Venue, 901 NE Lloyd Center

(EA 24-004964 DA)

09.05.2024 | Page 44

LU 24-061104 DZM Exh C41

Linear LED
Exterior



RibbonFlex PRO[®] Traditional SMD Tape Light



White

- 12-volt, 24-volt models
- 30, 60 and 120 LED/meter densities
- 2700K-6500K color temperatures
- Indoor, outdoor models



Specialty White

- High CRI:** 90+ CRI for truer color rendering
- Tunable White:** Warm 2700K to cooler 5000K color temperatures
- Dim-to-Warm:** White light dims to a warm glow

Multicolor

- 24-volt
- RGB, RGB+W, RGB+WW, multiple densities
- Indoor & outdoor



RibbonFlex PRO[®] Multicolor/White RGB+W LED Tape Light (24-volt) Indoor, Outdoor IP67

Maximum recommended tape length				
Configuration	RGB 30+30 LEDs/m		RGB 60+60 LEDs/m	
	Length	Watts used	Length	Watts used
Straight run	16.4 ft. (5m)	~47	16.4 ft. (5m)	~75
Center feed / Loop back	32.8 ft. (10m)	~94	32.8 ft. (10m)	~150
Array	Varies based on layout and max wattage of power supply			

Approximate watts used per meter				
RGB+W 30+30 LEDs/meter				
Meters	1	2	3	4
Feet	3.3	6.6	9.8	13
Watts used	11	21	30	39

RGB+W 60+60 LEDs/meter				
Meters	1	2	3	4
Feet	3.3	6.6	9.8	13
Watts used	18	35	50	65

LED TAPE LIGHT MOUNTING CHANNELS

CHANNEL MODEL	CHANNEL DESIGN	BENEFITS	FUNCTION	MAXIMUM TAPE LIGHT WIDTH
Surface Mount	U-shape	Cuttable	Moderate diffusion (fewer bright spots), bright output	12mm
Deep Surface Mount	U-shape	Cuttable	Most diffusion (fewest bright spots), softer output	11.2mm
Corner Mount	V-shape	Angled, cuttable	Moderate diffusion (fewer bright spots), bright output	10mm
Bendable Surface Mount	U-shape	Flexible, cuttable	Less diffusion, brightest output, lowest profile surface mount	13.5mm
Recess Mount	U-shape	Cuttable	Moderate diffusion (fewer bright spots), bright output	12mm

Recessed Linear Light

VIA 2 SEAL

RECESSED
DIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES



DESCRIPTION

Sealed with silicone gaskets, Via Seal fixtures are intended for wet locations and can be pendant, surface, wall, or recessed mounted. They can act alone as discrete luminaires, or be arranged in continuous lines or patterns. Via 2 Seal is suitable for wet locations where temperatures are moderate and in which spaces are regularly wiped down and frequently in contact with debris and/or moisture. These luminaires can be used to create continuous, unbroken lines of light. See separate spec sheets for patterns and other available mountings.

SENSORS
For latest information on sensors, click [here](#).



IMPORTANT:
Fixture must be installed with lens facing down.

LUMENWERX



Project: _____
Type: _____

IC RATED IK05

Up to 99 lm/W performance

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT ¹	OPTIC	LIGHT SOURCE ³	CRI
V2SEALR	D	WET	EPDO	SW	80
V2SEALR - Via 2 Seal Recessed	D - Direct	WET ² - Wet Suitable (IP44) <small>¹See page 2 for more information. ²Suitable for outdoor environments only when installed under canopy. Not suitable for extreme weather environments. Consult factory for low temperature applications.</small>	EPDO - Environmentally Protected Direct Optic ASDO - Asymmetric Soft Direct Optic	SW - Static white BIOSST - Static biologically-optimized lighting BIOSDY - Dynamic biologically-optimized lighting <small>³Chromawerx Sola and Duo also available. Consult other spec sheet.</small>	80 - 80 CRI 90 ⁴ - 90 CRI <small>⁴Not available with BIOS.</small>

LUMEN PACKAGE	COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER ⁵
500	30	4'	120	D1
350 - Low output 350 lm/ft 500 - Medium output 500 lm/ft 750 ⁶ - High output 750 lm/ft <small>⁶Not available with BIOS.</small>	27 ⁶ - 2700K 30 - 3000K 35 - 3500K 40 - 4000K 50 ⁶ - 5000K <small>⁶Not available with BIOS.</small>	#FT#IN ⁷ - Specify nominal length (#) in 1' and/or 1" increments Standard nominal lengths: Single units: 2' - 12' Continuous runs: lengths over 12' <small>⁷With BIOSDY, specify in 2' increments only.</small>	120 - 120V 277 - 277V UNV - 120V/277V 347 ⁸ - 347V <small>⁸Available with D1 only.</small>	D1 - 1% 0-10V DA ⁹ - DALI L7EA2W ¹⁰ - Lutron 1% - 2 wire FP 120V LDE1 ¹⁰ - Lutron Hi-Lume 1% Eco ELD1 - eidoLED 1% EcoDrive 0-10V ELD0 - eidoLED 0.1% SOLdrive 0-10V RLTD10 ¹¹ - Low-temperature 10% 0-10V <small>⁹PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁰On-site commissioning is required. ¹¹Available with 120V only. ¹²Remote driver box required. Suitable for temperatures down to -40°C/F.</small>

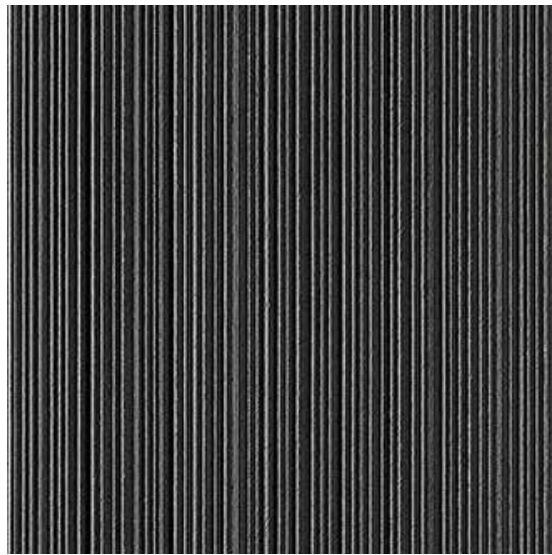
ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{12,18}	POWER FEED	MOUNTING	FINISH	OPTIONS
		AL	DTL	AL	NA
1C - 1 circuit #MC ¹³ - Multi circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{14,15,16} - Generator transfer device fixture	#EC## ¹⁷ - Emergency-powered section #NL## ¹⁷ - Night light section #DL## ¹⁷ - Daylight section #GTD## ^{19,20,21,22} - Generator transfer device section #EMB ^{21,22,23} - Emergency battery NA - None <small>¹²Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. ¹³Minimum 4' fixture. ¹⁴Not available with 347V. ¹⁵Not available for environments where the ambient temperature falls below 0°C (32°F). ¹⁶Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section. ¹⁷Specify with multi circuit (#MC) electrical option only. ¹⁸Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ¹⁹Specify quantity (#), and section length in inches (#"). ²⁰Minimum 4' section. ²¹Not available with 347V. ²²Not available for environments where the ambient temperature falls below 0°C (32°F). ²³Specify quantity (#).</small>	TF - Top feed EF - End feed	TC9 - Tegular 9/16" TC15 - Tegular 15/16" TB9 - T-bar 9/16" TB15 - T-bar 15/16" ST - Screw slot DTR - Drywall trim DTL - Drywall trimless DMF - Drywall mud flange	W - Matte white AL - Aluminum WA - White antimicrobial Silverwerx CF# - Custom finish, specify RAL#	NATA - Natatorium finish CRF - Corrosion-resistant finish NA - None

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
T (514) 225-4304 F (514) 931-4862
www.lumenwerx.com



Lumenwerx reserves the right to modify product specifications without notification.
© Lumenwerx, ULC. All rights reserved.
VIA2SEAL-RECESSED-SPEC-REV3 September 2, 2022





1. Concrete Panel - Wall

Manufacturer : Ceraclad
 Finish: Black
 Thickness: 5/8"
 Sizing: W:18" max L: 10' max



2. Painted CMU - Wall

Manufacturer : Basalite
 Finish: Gray block with Painted Black
 Sizing: 8" x 8" x 16"



3. Painted CMU - Wall

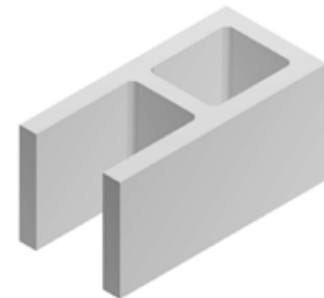
Manufacturer : Basalite
 Finish: Grey Block with Painted Black with applied Krylon Glitter Blast
 Sizing: 8" x 8" x 16"



4. Hardie Panel

Manufacturer: James Hardie
 Product: Architectural Panel Siding
 Finish: Fine Sand (Mural Applied)
 Thickness: .312 in
 Sizing: 48" x 120"

BASIC SPECIFICATIONS	
Panel Type	Solid-Core
Application Method	Horizontal
Joint Type	Caulk Free
Coating Options	Triple Coated (4 colors)
Dimensions (Nominal)	W: 18" (455 mm) L: 10' (3030 mm) T: 5/8" (16 mm)
Coverage	15 ft ² (1.38 m ²)
Weight	55 lb. (25 kg)
The Triple Coating is super weather resistant, low maintenance, and backed by a 20-year fade limited warranty.	
Please visit our website for additional CERACLAD product information including: <ul style="list-style-type: none"> • Product samples • Custom color samples • Specifications • CAD details • Product performance and approval documents • MSDS 	



RELATED MATERIALS
 Colored matching or contrasting mortar is available from Basalite. Consult the manufacturer at www.basalite.com for mortar type, colors available, and specifications.

SIZES AND SHAPES

- Nominal 4", 6", 8", 10" and 12" standard block widths are available
- Nominal 8" high and 16" long
- Half units available as well.
- High-strength units for special structural requirements and over-sized units are also available.

Section 1. Identification

Product name : KRYLON® Glitter Blast™ Glitter Spray
Product code : 3805
Other means of identification : Not available.
Product type : Aerosol.
Relevant identified uses of the substance or mixture and uses advised against : Paint or paint related material.

Manufacturer : Krylon Products Group
 101 W. Prospect Avenue
 Cleveland, OH 44115

MINWAX® Technical Data Sheet
MINWAX® Water Based Helmsman® 275 VOC Compliant Formula for Gloss, Semi, and Satin

PHYSICAL PROPERTIES:		
		Testing Method
Resin type:	Oil-modified urethane	
Solvent:	Water	
Luster:	Gloss, Semi and Satin	ASTM D523
No. of Coats:	3 recommended (Abrade between coats)	
Dry-time:	Recoat: 2 hours	Gardner circular
Sheen:	Gloss 87% minimum Semi: 50 to 64% Satin: 18 to 32%	
Dry film thickness:	2 ml	
Flash point:	Greater than 206 F	ASTM D 3828
Applicator:	synthetic bristle brush	
VOC (grams/liter):	275 Maximum	EPA Method 24
Coverage (sq. ft./qt.):	Approximately 500 sq. ft. per gallon	
% Solids:	28.5 - 31.5	
Pounds/Gallon:	8.59-8.82	ASTM D 2369
Viscosity(Centipoise):	140-230	

HARDIE® ARCHITECTURAL PANEL

Manufacturer
 James Hardie Building Products Inc.
 The products are manufactured at the following locations, with quality control inspections by Intertek:
 • Reno, Nevada

Compliance with the following codes

- 2006 through 2021 International Building Code (IBC)
- 2006 through 2021 International Residential Code (IRC)

For more information about other compliances and applicable uses, refer to the ESR-1844.

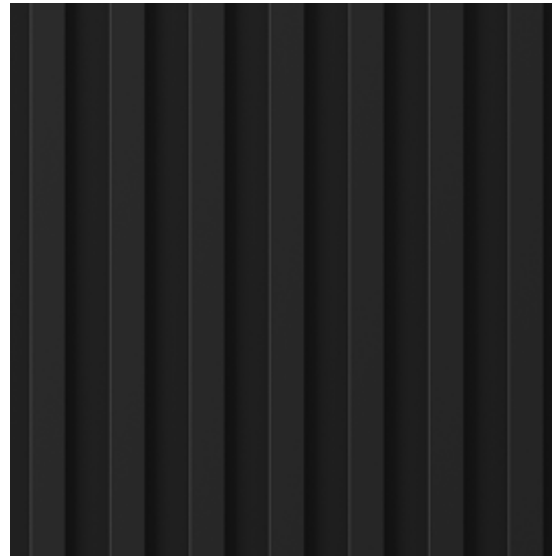
Performance Properties

General Property	Test Method	Unit or Characteristic	Requirement	Result	
PHYSICAL ATTRIBUTES	ASTM C1185	Length	± 0.5% or ± 1/4 in		
		Width	± 0.5% or ± 1/4 in		
		Thickness	± 0.04 in		
		Squareness	Δ in diagonals ≤ 1/32 in/ft of sheet length. Opposite sheet sides shall not vary in length by more than 1/32 in/ft	Pass	
		Edge Straightness	≤ 1/32 in/ft of length		
Density, lb/ft ³	ASTM C1185		As reported	83	
Water Absorption, % by mass	ASTM C1185		As reported	96	
Water Tightness	ASTM C1185	Physical Observations	No drop formation	Pass	
Flexural Strength	ASTM C1185	Wet conditioned, psi	>1015 psi	Pass	
THERMAL	ASTM C177	Thermal Conductivity (K _a)	(BTU/(hr-ft ² -F)/inch	2.07	
		Actual Thermal Resistance	R=1/K _a	As reported	6.62
		Thermal Resistance (R)		As reported	0.48
Actual Thermal Resistance				0.15	
Warm Water Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass	
Heat/Rain Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass	
DURABILITY	ASTM C1185	Freeze/Thaw Resistance	Mass Loss, %	≤ 3.0%	
		Freeze/Thaw, % strength retention	≥ 80%	Pass	
UV Accelerated Weathering Test	ASTM G23	Physical Observations	No cracking, checking, or crazing	Pass	
FIRE CHARACTERISTICS	ASTM E84	Flame Spread Index (FSI)		0	
		Smoke Developed Index (SDI)		≤ 5	
		Fuel Contributed		0	
		NFPA Class		A	
		Uniform Building Code Class	As reported	1	
International Building Code® class		A			
Noncombustibility	ASTM E136	Noncombustible	Pass/fail	Pass	
Fire Resistance Rated Construction	ASTM E119	Fire Resistance Rating	1-hour	Note 1	

Available Sizes

Product	Width (inches)	Length (feet)	Thickness (inches)
Hardie® Architectural Panel Fine Sand	48	8, 10, 12	5/16
Hardie® Architectural Panel Mounded Sand	48	8, 10, 12	5/16
Hardie® Architectural Panel Sea Grass	48	8, 10, 12	5/16

* Product not available in ColorPlus® Technology finishes, primed only.
 Weight: 2.49 lbs. per square foot



5. Corrugated Metal Panel - Wall

Manufacturer : Metal Sales
 Finish: Matte Black
 Thickness: 2" Box Rib, 1 1/2" Deep
 Sizing: 12" Coverage

PANEL OVERVIEW

- ▶ Finish: Standard: PVDF and Acrylic-Coated Galvalume®
 Optional: multi-pass Kynar 500® and Fluoropon® PURE
- ▶ Corrosion Protection: AZ50 per ASTM A 792 for Painted Galvalume®
 AZ55 per ASTM A 792 for Acrylic-Coated Galvalume®
 G90 per ASTM A 653 for Painted Galvanized
- ▶ Gauges: 24 ga standard; 22 ga and 20 ga optional
- ▶ 12" panel coverage, 1 1/2" panel height, 4" rib spacing
- ▶ Clip-attached, concealed-fastened panel system
- ▶ Panel Length: 6' minimum, 30' maximum
- ▶ Panels can be installed horizontally or vertically
- ▶ Use on single-skin or field-assembled wall systems



6. Corrugated Perforated Metal Panel - Wall

Manufacturer : Metal Sales
 Finish: Matte Black
 Thickness: 2" Box Rib, 1 1/2" Deep
 Sizing: 12" Coverage

PERFORATION

- Perforated panels are an aesthetic design solution
- Wide array of panel profiles
- Available gauges: 24, 22, 20 or 18
- Windscreens, balcony railings, equipment and concealment screens, ventilation and interior liner



7. Metal Panel

Manufacturer: Skyline Skycore Sheetmetal
 Finish: Kynar 500 Resin Coating, Color Black
 Thickness: Aluminum Sheet .040 with Aluminum Honeycomb Core

PRODUCT DESCRIPTION:

Skyline Sheet Metal SKYCORE wall cladding panels are formed from heavy gauge aluminum or sheet steel backed with an aluminum honeycomb stiffening core. The panels are mechanically attached with #10x1" square drive tek screws over a weather barrier to the stud framing of the structural wall. A finished 1/2" joint reveal is sealed with Dow 791 silicone to achieve a virtually watertight exterior cladding.

FEATURES and BENEFITS:

- Economical cost
- 20 year finish warranty
- Industry leading flatness and deflection control
- Lightweight

MATERIAL and FINISH OPTIONS:

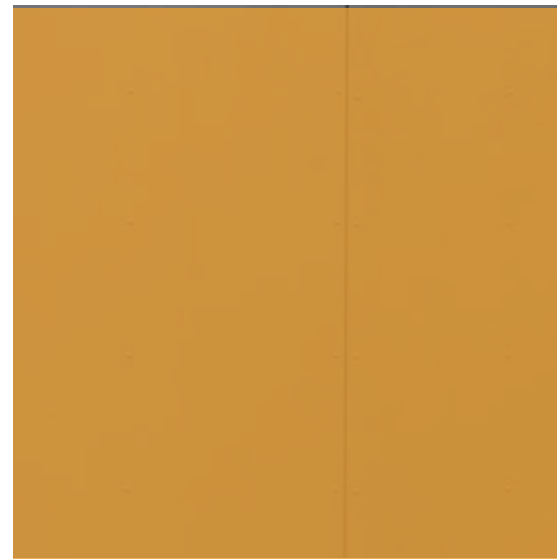
- Aluminum (.032-.040) Coil-coated Kynar 500 or Post-painted available in Std. and Custom colors
- Steel (22ga) Coil-coated Kynar 500 or Post-painted available in Std. and Custom colors
- Stainless Steel (22ga) Polished or Brushed
- Copper
- Zinc

C.45 MATERIAL PALETTE - CUTSHEETS



8a. Metal Panel

Manufacturer: Skyline Skycore Sheetmetal
 Finish: Kynar 500 Resin Coating
 Color: Copper Penny (Sherwin-Williams Fluoropon)
 Thickness: Aluminum Sheet .040 with Aluminum Honeycomb Core



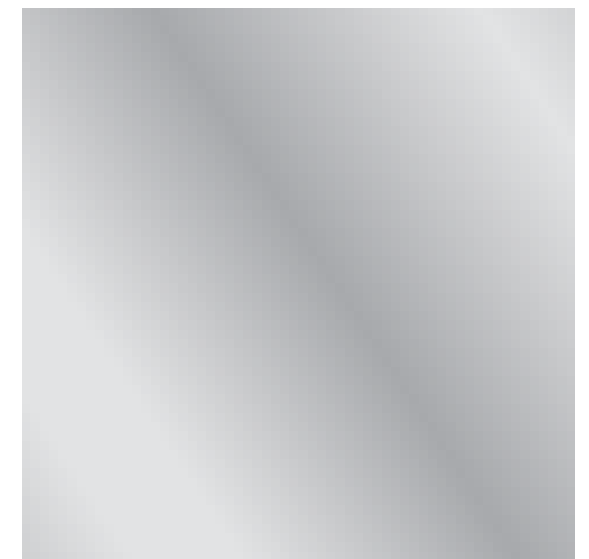
8b. Metal Panel

Manufacturer: Skyline Skycore Sheetmetal
 Finish: Kynar 500 Resin Coating
 Color: Little Nugget (Sherwin-Williams Fluoropon)
 Thickness: Aluminum Sheet .040 with Aluminum Honeycomb Core



8c. Metal Panel

Manufacturer: Skyline Skycore Sheetmetal
 Finish: Kynar 500 Resin Coating,
 Color: Orange (Sherwin-Williams Fluoropon)
 Thickness: Aluminum Sheet .040 with Aluminum Honeycomb Core



Metal Panel Soffit

Manufacturer: Reynobond
 Finish: Colorweld 300
 Color: Brite, Clear Coat
 Thickness: 4mm

FLUOROPON PERFORMANCE TESTING

Industry Specifications Compliance	AAMA 2605-17A Requirements	Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels
Substrates	Pretreated substrates: Galvalume®, Hot-Dipped Galvanized (HDG) steel and Aluminum.	

PHYSICAL TESTING	ASTM TEST METHOD	AAMA 2605-17A REQUIRED TEST RESULT
Falling Sand Abrasion	ASTM D 968	65 ± 10 liters
Film Adhesion	ASTM D 3359	No removal of film under tape in the cross-hatched area (Dry, Wet, Boiling Water)
Surface Burning Characteristics	ASTM E 84	Flame Spread Index: Class A, Smoke Developed Index: Class A
Graffiti Resistance	ASTM D 6578/D 6578M	Meets and exceeds
Humidity Resistance	ASTM D 2247: 100% RH at 100° F for 1,000 hours 100% RH at 100° F for 2,000 hours 100% RH at 100° F for 3,000 hours	Kameleon: Galvalume or HDG: Rating 8, no more than a few field blisters. Rustica: No field blisters. Galvalume or HDG: No field blisters. Aluminum: No field blisters
Impact Resistance (Direct)	ASTM D 2794	Galvalume or HDG: 3x metal thickness inch-pounds, no loss of adhesion. Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion.
Pencil Hardness	ASTM D 3363	Fluoropon®, Classic II, Low Gloss, Low Sheen, SR, Rustica: HB to 2H. Premiere, Classic, Nova, Kameleon: HB to H
Salt Spray	ASTM B 117: 1,000 Hours 3,000 Hours	Fluoropon, Classic II, Premiere, Low Gloss, Low Sheen, SR, Rustica, Nova, Kameleon: Galvalume or HDG: Creep from scribe ≤ 1/16" (2mm), no field blisters. Classic: Galvalume or HDG: Creep from scribe ≤ 1/32" (1mm), no blisters. Fluoropon, Classic II, Low Gloss, Low Sheen, SR, Rustica, Nova, Kameleon: Aluminum: Creep from scribe ≤ 1/16" (2mm), no field blisters. Premiere, Classic: Aluminum: Creep from scribe ≤ 1/32" (1mm), no blisters.
T-Bends	ASTM D 4145 ¹	T-3T, no loss of adhesion



Colorweld® Brite Clear Coat
10-year reflection warranty

87% Reflectivity

Property	Test Method	Colorweld® 300 (Specular/Min)	Colorweld® 300 RL (Matte)	Colorweld® PPR (Fluoropolymer)	Colorweld® SL (Single Layer)	Colorweld® LF
Specular Gloss (60°)	ASTM D623	15-25	25-35	25-40	20-40	< 10-40
Gloss Retention	ASTM D625	N/A	N/A	N/A	N/A	20 yrs (FLA) > 80%
Pencil Hardness	ASTM D3363	F-2H	F-2H	F-2H	F-2H	F-2H
Coating Flexibility (T-bar)	ASTM D4145	1-T to 2-T, No pick off	1-T to 2-T, No pick off	1-T to 2-T, No pick off	1-T to 2-T, No pick off	1-T to 2-T, No pick off
Reverse Impact (1.5 thickness)	ASTM B278	Passes	Passes	Passes	Passes	Passes
Salt Spray Resistance (1% Salt Fog @ 80° F)	ASTM B117	Passes 4000 hrs	Passes 4000 hrs	Passes 3000 hrs	Passes 3000 hrs	Passes 4000 hrs
Humidity Resistance (100% RH @ 100° F)	ASTM D2247	Passes 4000 hrs	Passes 4000 hrs	Passes 1000 hrs	Passes 1000 hrs	Passes 4000 hrs
Gloss Retention @ 40°, South Florida	ASTM D2244	10 years, Max 5 fade	10 years, Max 5 fade	5 years, Max 5 fade	5 years, Max 5 fade	10 years, Max 5 fade
Chalk Resistance @ 40°, South Florida	ASTM D4214	10 years, < 0 chalk	10 years, < 0 chalk	5 years, < 0 chalk	5 years, < 0 chalk	N/A
Film Thickness	ASTM D1400	0.2 mil primer 0.8 mil top coat	0.2 mil primer 0.8 mil color coat 0.5 mil clear coat	0.5 mil primer 0.8 mil base coat 0.7 mil top coat	0.5 mil primer 0.8 mil base coat 0.7 mil top coat	0.6-0.7 mil clear coat

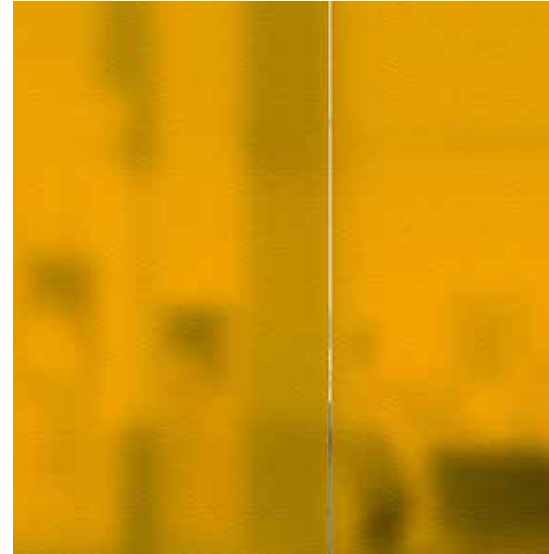
reynobond.com
reynobond.com/stockinglist

ALCOA



9a. Exterior Window Film

Manufacturer : Decorative Films
 Finish: Reddish Brown
 Thickness: 3 mils
 Sizing: 48" Widths



9b. Exterior Window Film

Manufacturer : Decorative Films
 Finish: Golden Yellow, Sand Blasted
 Thickness: 3 mils
 Sizing: 48" Widths



9c. Exterior Window Film

Manufacturer : Decorative Films
 Finish: Orange
 Thickness: 3 mils
 Sizing: 48" Widths



Product Description

SOLYX® SXO-034 Orange is a colored adhesive vinyl film with a blurry, transparent view. This film is ideal for obscuring direct visibility while allowing light through.

Specifications

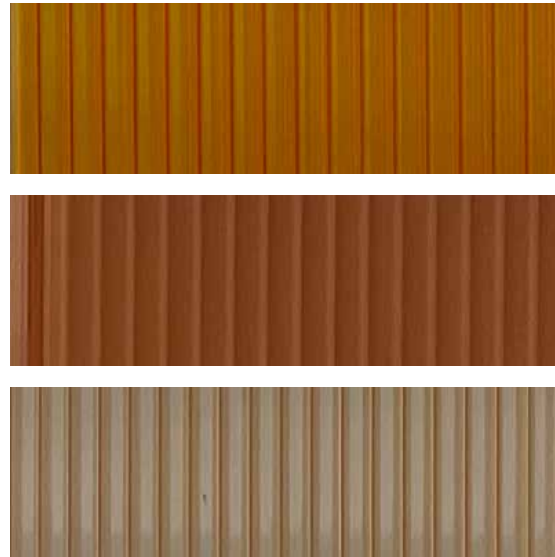
Product Code	SXO-034
Product Family	Design-Free
Film Type	PVC
Adhesive Type	Pressure-Sensitive
Usage	Interior and Exterior
Available Width(s)	48"
Full Roll Length	150 linear feet
Thickness	3 mil
Visible Light Transmission	16%
UV Transmission	1%
Infra-Red Transmission	84%

Product Construction

Face Film
 Vinyl

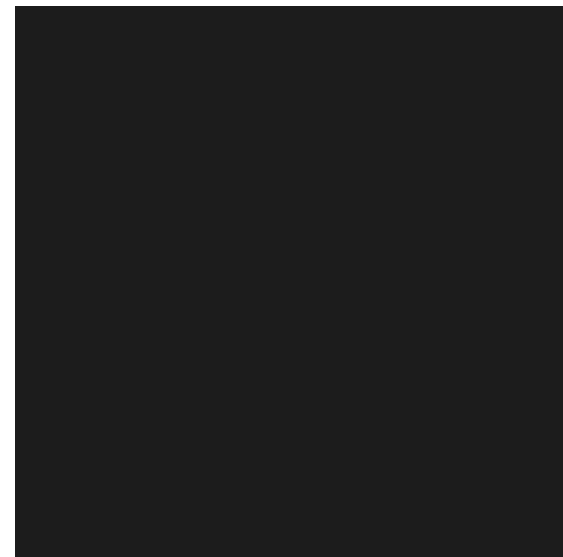
Adhesive
 Clear, Pressure-Sensitive

Release Liner
 Plottable



10. Polycarbonate Panel

Manufacturer : Danpalon
 Finish: Orange, Copper, Amber
 Thickness: 12 mm
 Sizing:



11. Storefront

Manufacturer: Kawneer , 1600 Wall system 1
 Curtain Wall
 Finish: Anodized Aluminum, Permafluor
 Architectural Finishes
 Color: Black
 Dimension: 2 1/2" sightline x 6" Depth



12. Stainless Steel Trellis

Manufacturer: Feeney, Somerset II Wall Mount Trellis
 Finish: Stainless Steel Cables



13. Painted Stucco

Manufacturer: La Habra
 Finish: Painted Black

THE DANPALON MICROCELL STRUCTURE FEATURES 10 TIMES MORE CELLS THAN OTHER PANELS ON THE MARKET

The high concentration of cells provides Danpalon® Microcell with significantly lower thermal conductivity, improved mechanical properties and rigidity with high impact resistance.

BENEFITS

- Architectural grade material
- 100% waterproof
- Free thermal movement
- Easy installation
- High impact resistance
- Excellent thermal insulation
- Quality diffused daylight
- Cold bending of panels on site
- Reduced substructure
- Environmentally friendly product

HIGH PERFORMANCE AND WEATHER RESISTANCE

Due to the tightness between the vertical supports, Danpalon® Microcell offers superior air and water performance, together with the highest resistance to impact and hail damage.

Air Tightness

Water Tightness

- Reinforced safety gauge
- Improved inertia for improved lightness
- The very best air and water performance available

AESTHETICS

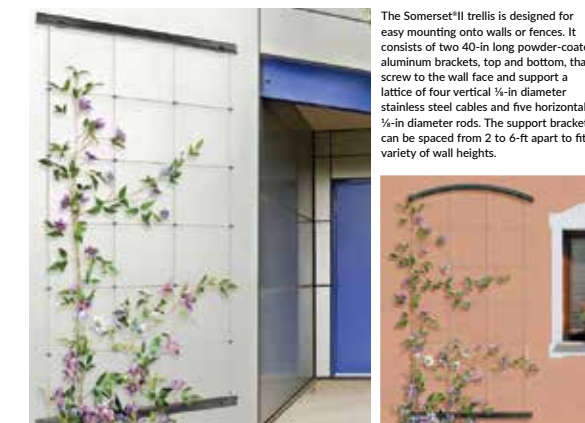
Even the smallest details of 1600 System®1 and 1600 Wall System®2 Curtain Wall reflect the aesthetics and reliability that derive from Kawneer's precise engineering and experience. The joinery for both systems is accomplished with concealed fasteners to create unbroken lines and a monolithic appearance. When using optional, open-back horizontal mullions, the fillers snap at the edge, producing an uninterrupted sightline.

PERFORMANCE

Key aspects of 1600 System®1 Curtain Wall and 1600 Wall System®2 Curtain Wall are enhanced for higher performance. Pressure equalization has been designed into the system, and all components are silicone compatible to provide superior longevity. For installations where severe weather conditions are prevalent, 1600 Wall System®1 has been large-missile hurricane impact and cycle tested. Proven through years of high performance, both systems are tested according to industry standards:

PERFORMANCE TEST STANDARDS	
Air Infiltration	ASTM E283; TAS 202, AAMA 501
Water Infiltration	ASTM E547, E331; AAMA 501
Severe Wind-Driven Rain	AAMA 520
Structural - Uniform Wind Load	ASTM E330, AAMA 501
Thermal Transmittance-U-Factor	NFRC 100, AAMA 1503, 507
Condensation Resistance (CRF, I, CR)	AAMA 1503; CSA A440; NFRC 500
Solar Heat Gain (SHGC), Visual Light Transmission (VT)	AMA 507; NFRC 200
Acoustical (STC & OITC)	ASTM E90, E1425; AAMA 1801
Seismic Performance	AMA 501.4, AAMA 501.6
Blast	AST F1642, UFC 4-010-01
Impact / hurricane	ASTM E1886, ASTM E1996, TAS 201, 202, 203

Somerset® II Wall Mount Trellis



The Somerset®II trellis is designed for easy mounting onto walls or fences. It consists of two 40-in long powder-coated aluminum brackets, top and bottom, that screw to the wall face and support a lattice of four vertical 1/4-in diameter stainless steel cables and five horizontal 1/4-in diameter rods. The support brackets can be spaced from 2 to 6-ft apart to fit a variety of wall heights.

Special setscrew-locking Threaded Terminal cable fittings allow the cable assemblies to be easily trimmed and assembled to exact length in the field during installation. Special Micro Cross-Clamps with locking setscrews securely hold the rods in position. All rods, cables, and components are made from high quality 316-grade stainless steel for weather-tough durability, low maintenance, and lasting beauty. Multiple kits can be mounted adjacent to one another to make wider trellises, and each kit includes all mounting screws, hardware, and installation instructions.

Each Somerset®II trellis kit includes the following:

- 2 powder-coated aluminum support brackets with mounting hardware
- 4 stainless cables with attachment fittings
- 5 stainless rods with Micro Cross-Clamps
- 4 plastic anchor inserts (for concrete/masonry)
- Installation instructions
- Hex key wrenches

Part#	Description	*Bracket Color
8708F-BLK	Somerset® II Trellis Kit	Black Matte
8707-BLK	Somerset® II Arch-Top Trellis Kit	Black Matte

*Powder coated finishes meet rigorous AAMA-2604 coating specifications for superior color retention, impact resistance, and weather protection. Additional colors are available on a custom quote, custom order basis.

Product Performance Sheet | Page 1
 Architectural Coatings and Finishes

Fire Performance	Method	ICC or ASTM Criteria	Results
Surface Burning Characteristic	ASTM E84	Individual components shall each have a flame spread <25, and smoke developed < 450	Flame Spread: 0 to 15 Smoke Developed: 0 to 15

Strength	Method	ICC or ASTM Criteria	Results
Tensile Bond Strength	ASTM E2134	Minimum 15 psi (103kPa)	Pass

Environmental Durability	Method	ICC or ASTM Criteria	Results
Abrasion Resistance	ASTM D968	No cracking or loss of film at 528 quarts (500 L) of sand	Pass: 500 Liters
Accelerated Weathering	ASTM G153/ (ASTM G23) ASTM G154	No deleterious effects* at 2000 hours when viewed under 5x magnification	Pass: 2000 Hours
Freeze/Thaw Resistance	ASTM E 2485	No deleterious effects* at 10 cycles when viewed under 5x magnification	Pass: 60 cycles
Fungus Resistance	MIL STD 810B	No Requirement	Pass: 28 days- no growth
Mildew Resistance	ASTM D3273	No growth supported during 28 day exposure period	Pass
Water Penetration	ASTM E331	No water penetration beyond the plane of the base coat/EPS board interface after 15 minutes at 6.24 psf (299 Pa)	Pass
Moisture Resistance	ASTM D2247	No deleterious effects at 14 day exposure	Pass
Salt Fog Resistance	ASTM B117	No deleterious effects* at 300 hours	Pass: 500 hours
Wind Driven Rain	F.S. TT-C-555B	No Requirement	Pass: 24 hours

*No deleterious effects: no cracking, checking, crazing, erosion, rusting, blistering.

Where several tests on different materials are summarized, a range of values is shown. This summary has been prepared to provide quick but partial information on how certain combinations of Parex USA products perform during certain tests. It is not a complete description of the test procedures or of the results thereof. Copies of original test reports are available at no charge upon request. Please contact Parex USA's Architectural Sales (866-516-0061) or Technical Support Department (800-224-2626) if further information is required.

ROLLING GARAGE DOOR

Manufacturer : Wayne-Daltono

ROLLING SERVICE DOORS 800 SERIES

Popular in both interior and exterior applications, the Wayne Dalton 800 Series rolling service door features a galvanized, pre-painted curtain of minimum 22-gauge steel. The 800 Series doors have a standard wind load rating of up to 55 PSF. An optional wind load rating of up to 55 PSF is available to cover your Florida and Dade County wind load requirements.

Materials & Construction
Wayne Dalton's 800 Series rolling doors are composed of curved or flat-faced slats that provide a natural water-shed, helping to reduce corrosion. The slats are designed with free-acting interlocking joints that permit easy articulation when the door coils.

The 800 Series features a strong double-angle bottom bar that reinforces the lower edge of the curtain against wind pressure and permits varied lock, astragal, and safety edge options. This bottom bar is designed for easy installation and does not require fasteners protruding into the guide openings, so the bottom bar does not interfere with door operation.

Counterbalance assembly consists of a spring barrel which serves as a load-carrying beam. It encases the counterbalance mechanism and provides the axis around which the curtain coils. (Deflection is limited to 0.033" per lineal foot of span.) If required, barrel rings of malleable iron or stamped steel may be provided to assure proper counterbalance. Oil-tempered, torsion-type counterbalance springs are wound from heat-treated steel, providing accuracy in balancing the door. Barrel plugs connect ends of springs to barrel and tension rod. Tension rod of steel shafting holds fixed ends of springs and carries torsion load of spring counterbalance.

Spring tension adjusting wheel is normally mounted outside the bracket on end of tension rod. Inside adjusting wheel for right side-room applications is available in limited sizes.

The hood covers the curtain coil and counterbalance mechanism.

Available Options

- Vision Slats/Panels
- Secur-Vent (Flat Slat Only)
- Safety Edges
- Drop Stop Device
- Exhaust Ports
- Slipping Bottom Bars
- Powder Coated
- Motor Operators
- Cable Reels
- Mullions
- Thru-Wall Operation
- Stainless Steel or Aluminum Finishes



Slat Profiles



No. 4 — Curved-faced single crown slat available in up to 18-gauge steel, up to 18-gauge stainless steel, or up to 14-gauge 885 aluminum (mill, clear, or bronze anodized). Depth of crown: 1/2", 2 1/2" on centers.

No. 14 — Flat-faced slat available in up to 18-gauge steel, up to 18-gauge stainless steel, or up to 14-gauge 885 aluminum (mill, clear, or bronze anodized). Depth of crown: 1/2", 2 1/2" on centers.

Secur-Vent — Perforated slat provides optimal security and ventilation. Slat consists of 1/16" diameter holes offering 41% open area over length of each slat. Available in No. 14 flat slat up to 22" wide x 20" high.



No. 4 slat No. 14 slat, shown with a Pass Door. Secur-Vent

www.Wayne-Dalton.com/commercial

800 Series (Face Mounted)

Width A	HEIGHT B (OPENING HEIGHT)											
	9'0"			TO 14'0"			TO 18'0"			TO 18'0"		
	BRACKET SIZE	SIDE ROOM		BRACKET SIZE	SIDE ROOM		BRACKET SIZE	SIDE ROOM		BRACKET SIZE	SIDE ROOM	
TO 20'0"	18-1/2"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
20'0" TO 25'0"	18-1/2"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
25'0" TO 28'0"	18-1/2"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
CHAIN HOIST OPERATED												
TO 20'0"	20"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
20'0" TO 25'0"	20"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
25'0" TO 28'0"	20"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
MOTOR OPERATED												
TO 20'0"	20"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
20'0" TO 25'0"	20"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
25'0" TO 28'0"	20"	8"	6"	22"	8"	6"	24"	8"	6"	26"	8"	6"
CRANK OPERATED—CONSULT FACTORY												

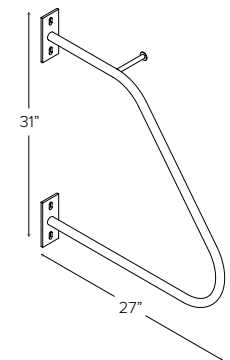
800 Series (Between Jamb, Under Lintel)

Width A	HEIGHT B (OPENING HEIGHT)											
	9'0"			TO 14'0"			TO 18'0"			TO 18'0"		
	BRACKET SIZE	SIDE ROOM		BRACKET SIZE	SIDE ROOM		BRACKET SIZE	SIDE ROOM		BRACKET SIZE	SIDE ROOM	
TO 20'0"	18-1/2"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
20'0" TO 25'0"	18-1/2"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
25'0" TO 28'0"	18-1/2"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
CHAIN HOIST OPERATED												
TO 20'0"	20"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
20'0" TO 25'0"	20"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
25'0" TO 28'0"	20"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
MOTOR OPERATED												
TO 20'0"	20"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
20'0" TO 25'0"	20"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
25'0" TO 28'0"	20"	9-1/16"	7-1/16"	22"	9-1/16"	7-1/16"	24"	9-1/16"	7-1/16"	26"	9-1/16"	7-1/16"
CRANK OPERATED—CONSULT FACTORY												

BIKE RACK

Manufacturer : Dero

Ultra Space Saver Single **Submittal Sheet**



CAPACITY 1 Bike

MATERIALS Body: 1" OD 11 gauge tube with 1/2" steel round bar hanger
Mounting flanges: 1/4" plate

FINISHES

- Powder Coat (Interior Use)**
Our interior powder coat finish assures a high level of adhesion and durability for indoor use by following these steps:
1. Sandblast
2. Final thick TGIC polyester powder coat
- Powder Coat (Exterior Use) Additional Cost**
Our exterior powder coat finish assures a high level of adhesion and durability for outdoor or exposed air use by following these steps:
1. Sandblast
2. Epoxy primer electrostatically applied
3. Final thick TGIC polyester powder coat

MOUNT OPTIONS **Wall only**
Wall mount has two 2.5" x 6" foot plates set 25" apart (centerline to centerline) with 4 fasteners. Can be set into concrete block, solid concrete, bricks, wood studs and other base materials. Tamper-resistant fasteners available upon request.

TUBE OPTIONS

- Round
- Square

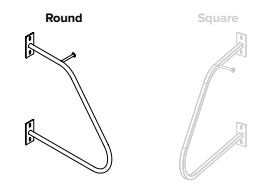
FINISH OPTIONS

Powder Coat

- White
- Black
- Deep Red (Rt. 302)
- Yellow (Rt. 303)
- CH1 Bright Yellow (Rt. 304)
- Orange (Rt. 305)
- Beige (Rt. 306)
- Hunter Green (Rt. 307)
- Light Green (Rt. 308)
- Green (Rt. 309)
- Sea Blue (Rt. 310)
- Blue (Rt. 311)
- Dark Purple (Rt. 312)
- Flat Black (Rt. 313)
- Wine Red (Rt. 314)
- Iron Gray (Rt. 315)
- Light Gray (Rt. 316)
- Silver (Rt. 317)
- Spice Brown (Rt. 318)
- Bronze (Rt. 319)

TUBE OPTIONS

Round Square

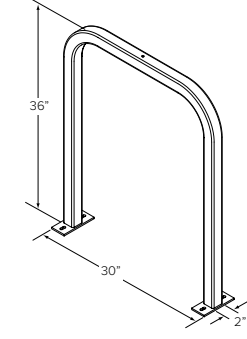


©2021

BIKE RACK

Manufacturer : Dero

Downtown Rack **Submittal Sheet**



CAPACITY 2 Bikes

MATERIALS 2" x 2" x .188" square tube - mild steel
2" x 2" x .125" square tube - stainless steel

FINISHES

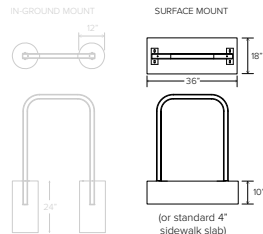
- Galvanized**
An after fabrication hot dipped galvanized finish is our standard option.
- Powder Coat**
Our powder coat finish assures a high level of adhesion and durability by following these steps:
1. Sandblast
2. Epoxy primer electrostatically applied
3. Final thick TGIC polyester powder coat
- Stainless**
Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

MOUNT OPTIONS

- Surface**
Foot Mount has two 2.5"x6"x.25" feet with two anchors per foot. Specify foot mount for this option. Tamper-resistant fasteners available upon request.
- In-Ground**
In-ground mount is embedded into concrete base. Specify in-ground mount for this option.
- Rail**
Rail Mounted Downtown Racks are bolted to two parallel rails which can be left freestanding or anchored to the ground. Rails are heavy duty 3" x 14" x 3/16" thick galvanized mounting rails. Specify rail mount for this option.

FOOTING DIAGRAMS

IN-GROUND MOUNT **SURFACE MOUNT**



(for standard 4" sidewalk slab)

90 45A 45B 60A 60B

Powder Coat

- White
- Black
- Light Gray (Rt. 316)
- Deep Red (Rt. 302)
- Yellow (Rt. 303)
- CH1 Bright Yellow (Rt. 304)
- Orange (Rt. 305)
- Beige (Rt. 306)
- Iron Gray (Rt. 315)
- Hunter Green (Rt. 307)
- Light Green (Rt. 308)
- Green (Rt. 309)
- Spice Brown (Rt. 318)
- Blue (Rt. 311)
- Sky Blue (Rt. 320)
- Dark Purple (Rt. 312)
- Flat Black (Rt. 313)
- Wine Red (Rt. 314)
- Bronze (Rt. 319)
- Silver (Rt. 317)

SMOKE VENT

Manufacturer : Bilco



Automatic Smoke Vents

Automatic Smoke Vents

Automatic Smoke Vents protect property and aid firefighters in bringing a fire under control by removing smoke, heat, and gases from a burning building. Ideally suited for large expanses of unobstructed space such as factories, warehouses, auditoriums, and retail facilities smoke vents are available in a number of standard UL-listed sizes.



Benefits

- Increased evacuation time and decreased risk of smoke inhalation and damage
- Enhanced visibility to allow firefighters to quickly locate the fire
- Protection against secondary ignitions and lateral fire spread
- Exhausting of noxious and potentially explosive fumes
- Structure protection from damaging heat
- Reduced damage to building contents

Features

- Fully insulated and gasketed for weathertight performance.
- Thermolatch® II latching mechanism with curb mounted fusible link housing for quick and easy resetting at the roof level
- Exterior and interior pull release handles for manual operation
- Covers open against a 10 psf (49 kg/m²) snow/wind load and automatically lock in the open position upon vent activation
- Bilclip® Flashing System for ease of installation on single-ply roofing
- Pre-punched capflashing to receive the Bil-Guard® 2.0 Hatch Safety Railing System (see page 17 for more information)
- Complies with UL790 Class A and UL793
- Available in a number of UL-approved sizes

Double Leaf

BILCO smoke vents feature a positive hold/release mechanism controlled by a single UL-listed 165°F (74°C) fusible link designed to hold the covers closed against a 90 psf (438 kg/m²) wind uplift force. Smoke vents are provided with interior and exterior pull release cables to manually open vent covers. Aluminum products are also available in a thermally broken design that offers superior energy efficiency and resists condensation.

Material

- Steel: 14 gauge (1.9mm) galvalume steel
- Aluminum: 11 gauge (2.3mm) aluminum

Insulation

- 1" (25mm) fiberglass insulation in cover and 1" fiberboard insulation in curb
- 3" (75mm) Polyisocyanurate (R = 20.3) in cover and curb (Thermally Broken Models)

Finish

- Alkyd base red oxide primer (standard on all steel products)
- Mil finish (standard on all aluminum products)
- See page 18 for custom finish options

Hardware

- Zinc plated/chromate sealed hardware

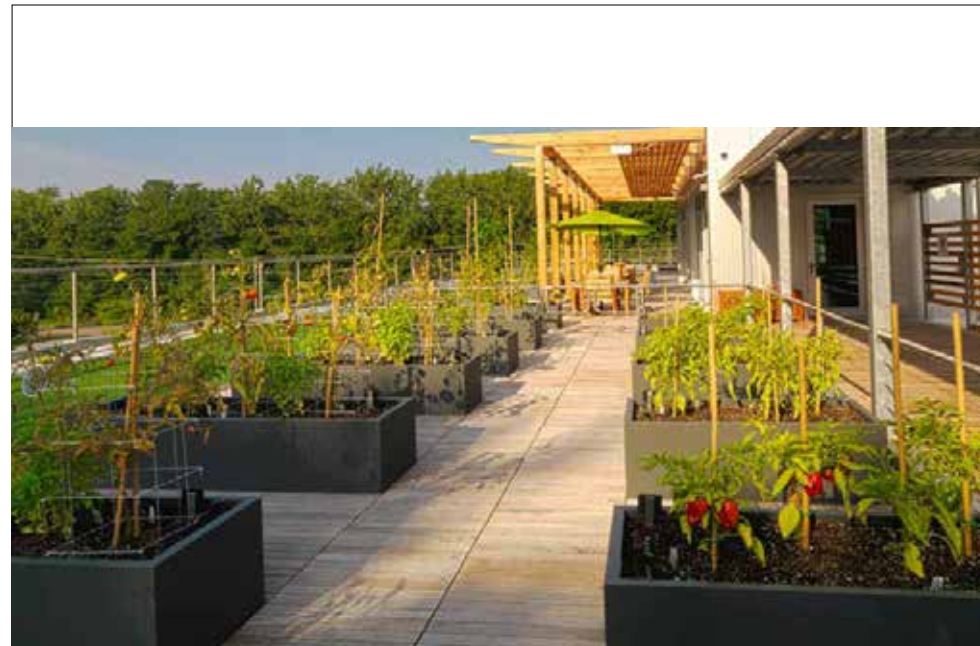
Control Options (see page 19 for more information)

- Motor operation with push button control station
- Winch operation for remote opening and closing
- Electric release for smoke detector or fire alarm activation

INCHES	MM	STEEL	STEEL CURB, ALUMINUM COVER	ALUMINUM
48 x 48	1219 x 1219	DSH4848	DSH4848A	DSH4848B
48 x 72	1219 x 1829	DSH4872	DSH4872A	DSH4872B
48 x 90	1219 x 2286	DSH4890	DSH4890A	DSH4890B
48 x 96	1219 x 2438	DSH4896	DSH4896A	DSH4896B
60 x 60	1524 x 1524	DSH6060	DSH6060A	DSH6060B
60 x 72	1524 x 1829	DSH6072	DSH6072A	DSH6072B
60 x 84	1524 x 2134	DSH6084	DSH6084A	DSH6084B
60 x 96	1524 x 2438	DSH6096	DSH6096A	DSH6096B
60 x 120	1524 x 3048	DSH60120	DSH60120A	DSH60120B
66 x 66	1676 x 1676	DSH6666	DSH6666A	DSH6666B
66 x 144	1676 x 3658	DSH66144*	DSH66144A*	DSH66144B*
72 x 72	1829 x 1829	DSH7272	DSH7272A	DSH7272B

PLANTER BOX

Manufacturer : Bison



Bison Aluminum Cubes

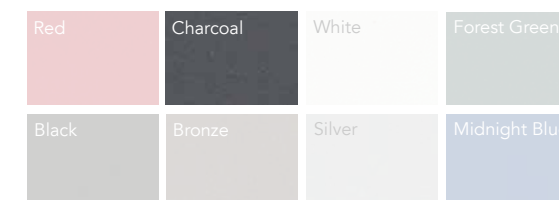
Model	Dimensions	Weight
CUBE-PC242420	23.875"L x 23.875"W x 20"H	28 lbs
CUBE-PC242424	23.875"L x 23.875"W x 24"H	30 lbs
CUBE-PC242436	23.875"L x 23.875"W x 36"H	42 lbs
CUBE-PC482420	47.9375"L x 23.875"W x 20"H	45 lbs
CUBE-PC482424	47.9375"L x 23.875"W x 24"H	50 lbs
CUBE-PC482436	47.9375"L x 23.875"W x 36"H	66 lbs
CUBE-PC484820	47.9375"L x 47.9375"W x 20"H	131 lbs
CUBE-PC484824	47.9375"L x 47.9375"W x 24"H	150 lbs
CUBE-PC484836	47.9375"L x 47.9375"W x 36"H	191 lbs
CUBE-PC722420	72"L x 23.875"W x 20"H	85 lbs
CUBE-PC722424	72"L x 23.875"W x 24"H	95 lbs
CUBE-PC722436	72"L x 23.875"W x 36"H	125 lbs
CUBE-PC962420	96.0625"L x 23.875"W x 20"H	165 lbs
CUBE-PC962424	96.0625"L x 23.875"W x 24"H	185 lbs
CUBE-PC962436	96.0625"L x 23.875"W x 36"H	240 lbs



Bison Powder Coat Aluminum Cubes are available in custom sizes, materials, and colors to meet your design needs. Custom materials include stainless and weathered steel. Please allow 4-6 weeks for Standard and 6-10 weeks for custom Aluminum Cubes from receipt of payment and signed quote for manufacture and delivery.

Bison Innovative Products | 701 Osage Street, Unit 120, Denver CO 80204 USA | 800-333-4234 | www.bisonip.com

Standard Colors and Finishes



CENTRAL CITY PLAN DISTRICT, 33.510.220

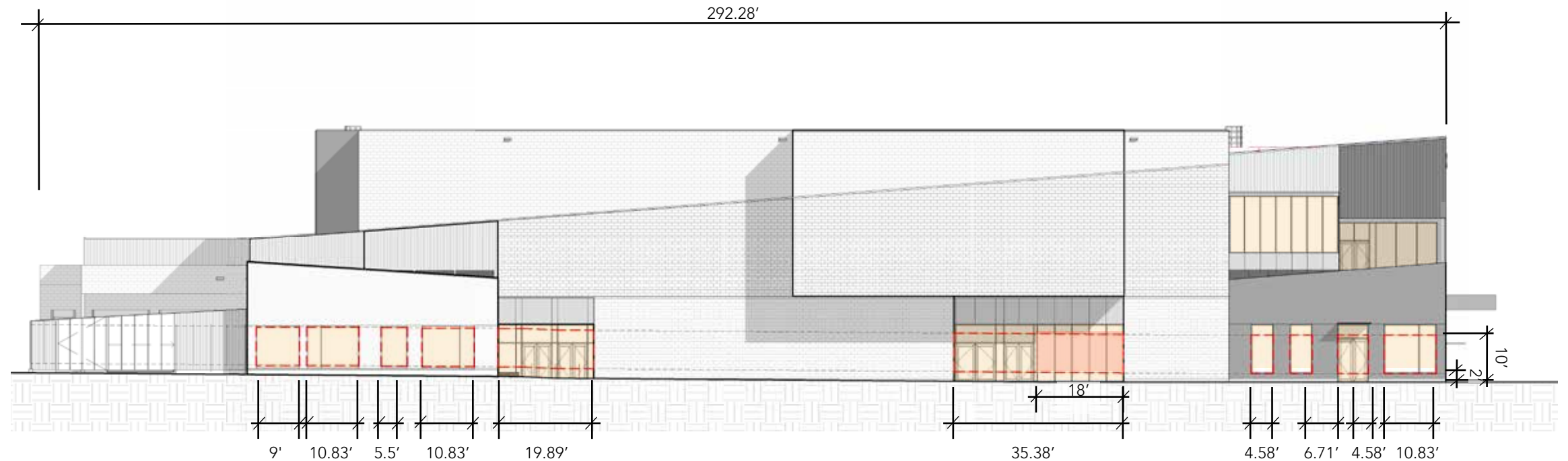
B. GROUND FLOOR WINDOWS

1. The following ground floor window standards apply in the RX, CX and EX zones. The standards of B.1 and B.2 apply to new development and major remodeling projects. B.3. only applies to major remodeling projects. **To meet the standards, ground floor windows must be windows that allow views into work areas or lobbies, or be windows in pedestrian entrances. Windows into storage areas, vehicle parking areas, garbage and recycling areas, mechanical and utility areas and display cases attached to outside walls do not qualify.** Windows into bicycle parking areas are allowed to qualify for up to 25 percent of the ground floor windows coverage requirement. The bottom of the windows of nonresidential spaces must be no more than 4 feet above the finished grade:

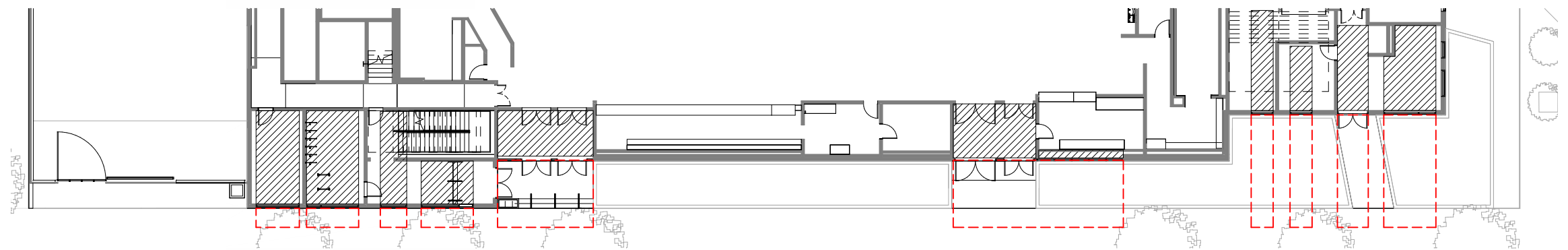
1. Ground level facades that face a street or open area shown on Map 510-8 must have windows that cover at least 60 percent of the ground level wall area. For the purposes of this standard, ground level wall area includes all exterior wall area from 2 feet to 10 feet above the finished grade.

2. All other ground level facades that face a street lot line, sidewalk, plaza, or other publicly accessible open area or right-of-way must have windows that cover at least 40 percent of the ground level wall area. For street facing facades of dwelling units the regulations of 33.130.230.B.4 apply. **For the purposes of this standard, ground level wall area includes all exterior wall area from 2 feet to 10 feet above the finished grade.**

3. Optional artwork. Projects proposing to use artwork as an alternative to the ground floor window requirements may apply for this through the adjustment procedure. Projects may also apply for a modification through design review if they meet the following qualifications. Buildings having more than 50 percent of their ground level space in storage, parking, or loading areas, or in **uses which by their nature are not conducive to windows (such as theaters), may be allowed to use the design review process.** Artwork and displays relating to activities occurring within the building are encouraged. In these instances, the artwork will be allowed if it is found to be consistent with the purpose for the ground floor window standard.



West Elevation - 9th Street



TOTAL GROUND FLOOR WINDOWS

West Elevation Width	= 292.28'
Ground Floor Wall Area	= 2,353 sf
40% Ground Floor Wall Area	= 941 sf
Glazing Coverage Shown	= 942. sf (40%)

Total Ground Floor Glazing **meeting reqmt**

WINDOW TRANSLUCENCY

Glazing with Translucent, Color Film = 100%

Modification request to reduce vision glass **100% under reqmt**

WINDOW ALLOWABLE VIEWS

Glazing into Vitrine = 144 sf (6%)

Windows into work areas, pedestrian egress & bike areas = 694 sf (29.5%)

Modification request to reduce Glazing meeting allowable view standard **10% under reqmt**

CENTRAL CITY PLAN DISTRICT, 33.510.220

B. GROUND FLOOR WINDOWS

Purpose – In the Central City plan district, blank walls on the ground level of buildings are limited in order to:

- Provide a pleasant, rich, and diverse pedestrian experience by connecting activities occurring within a structure to adjacent sidewalk areas;
- Encourage continuity of retail and service uses;
- Encourage surveillance opportunities by restricting fortress-like facades at street level;
- Avoid a monotonous pedestrian environment; and
- The plan district modifications to the base zone standards for ground floor windows are intended to promote ground floor windows in a larger number of situations than in the base zones and to provide additional flexibility in meeting the standard.

Response:

- Provide pleasant, rich Pedestrian experience – Densely planted zones along 9th Ave., meeting the building line standards per 33.510.215.2, will create a pleasant urban green space for the pedestrian. Glazing is placed in sections of the façade that have the closest proximity to the right of way for betterment of the pedestrian experience and pleasantness.
- Encourage continuity of retail and services & surveillance opportunities – Where the program allows, we have insured that these spaces (offices, breakrooms, bike rooms) are all provided with ground floor windows that have semi-view glazing.
- Avoid Monotonous pedestrian experience – The articulation of the building’s massing in combination with placing windows at program allowable areas and landscaping at the remaining locations, will break up any monotony in the pedestrian environment during non-event times, per the standard.



9TH AVE SOUTHWEST CORNER - ACROSS STREET VIEW



9TH AVE SOUTHWEST CORNER - ZOOMED IN VIEW



9TH AVE OVERALL ELEVATION VIEW



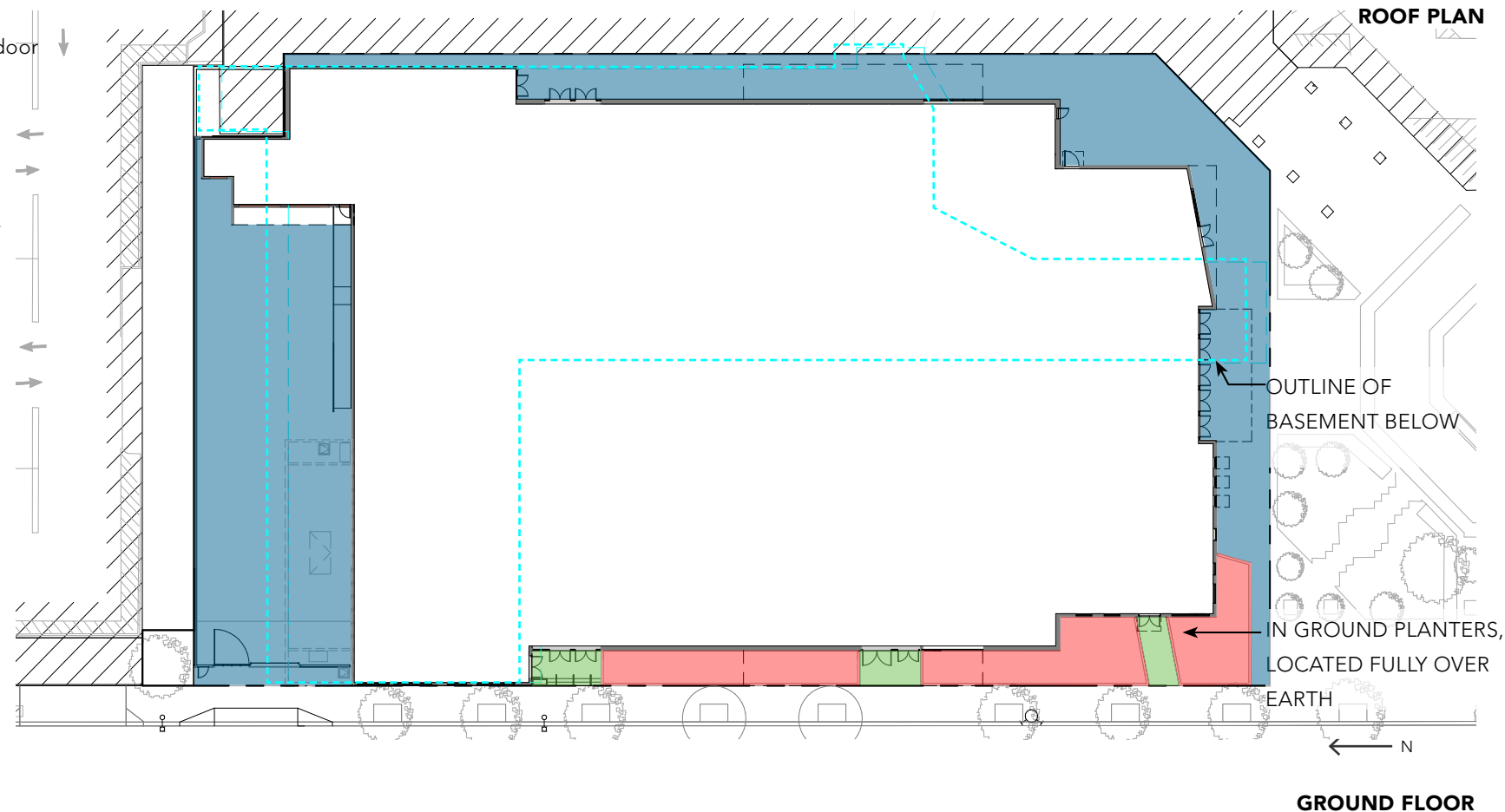
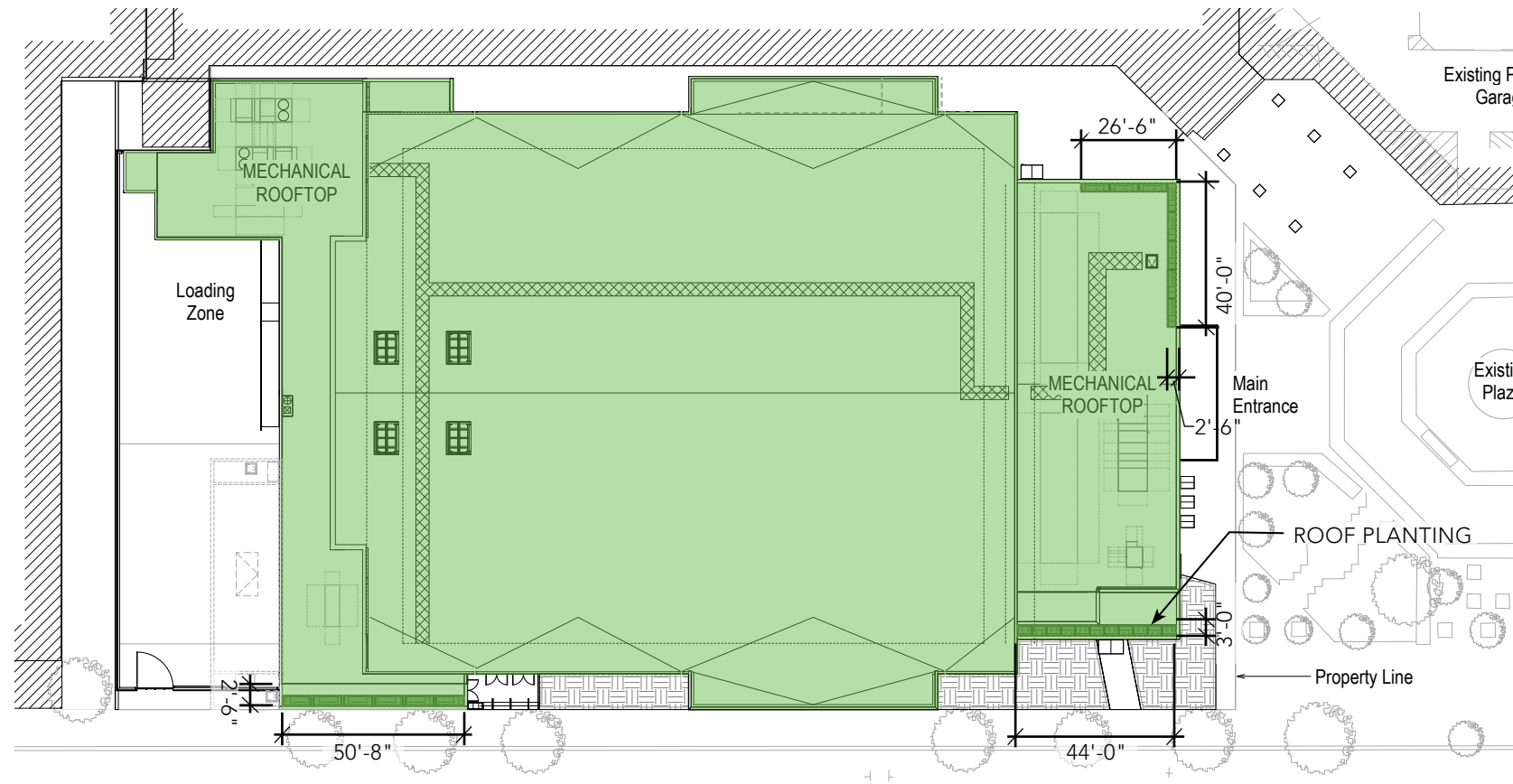
9TH AVE - SIDEWALK VIEW

CENTRAL CITY PLAN DISTRICT, 33.510.243

B. ECOROOF STANDARD

Ecoroof standard. In the CX, EX, RX, and IG1 zones, new buildings with a net building area of 20,000 square feet or more must have an ecoroof that meets the following standards:

1. The ecoroofs, including required firebreaks between ecoroofs areas, **must cover 100 percent of the building roof area, except that up to 40 percent of the building roof area can be covered with a combination of the following.** Roof top parking does not count as roof area. Roof area that has a slope greater than 25% does not count as roof area:
 - a. Mechanical equipment, housing for mechanical equipment, and required access to, or clearance from, mechanical equipment;
 - b. Areas used for fire evacuation routes;
 - c. Stairwell and elevator enclosures;
 - d. Skylights;
 - e. Solar panels;
 - f. Wind turbines;
 - g. Equipment, such as pipes and pre-filtering equipment, used for capturing or directing rainwater to a rainwater harvesting system; or
 - h. Uncovered common outdoor areas. Common outdoor areas must be accessible through a shared entrance.
2. The ecoroof must be approved by the Bureau of Environmental Services as meeting the Stormwater Management Manual's Ecoroof Facility Design Criteria.



C.52 MODIFICATIONS

ECO ROOF

Total Roof Area	=	41,157 SF
60% of Roof Area	=	24,694 SF
Proposed Eco Roof Area	=	0 SF
Roof Top Planters	=	445 SF
At Grade Landscape Area	=	2,196 SF

- Roof Treatment Area
- Roof Top Planters
- Infiltration Area
- In-ground Landscape Area

The project is designed to treat 100% of the impervious area on the site.

We will achieve this in one of the following two ways, Pending future boring infiltration results:

Option A - We will infiltrate all stormwater at 3 new drywells located at the North, Southwest, & Southeast Corners of the site.

Option B - If we can not meet the flow rate requirements at the southern end of the site, we will provide a detention pipe to control flow to 9th Ave for water collected on the south and Eastern parts of the site. All roof area to be routed to Northern feasible drywell

Modification request of 100% reduction in Eco Roof Reqmt

CENTRAL CITY PLAN DISTRICT, 33.510.243

B. ECOROOF STANDARD

Purpose – Ecoroofs provide multiple complimentary benefits in urban areas including stormwater management, reduction in air temperatures, mitigation of urban heat island impacts, air quality improvement, urban green spaces, and habitats for birds, plants and pollinators. The standards are intended to:

- Maximize the coverage of ecoroofs
- Allows for placement of structures and other items that need to be located on roofs
- Support the architectural variability of rooftops in the Central City

Response:

- Stormwater management – The stormwater treatment facility as designed, will treat 100% of the proposed site with drywells on site, per the stated purpose of the standard. In volume of infiltration and water retention, this method results in the same goals as the 60% of available green roof intent.
- Reduction of air temperature & Mitigation of heat island impacts – All exposed roofing is light colored with high albedo - reflecting solar heat instead of absorbing it. In addition, the generous planting areas in the project, at the select locations on the roof with deeper planter boxes and the larger at-grade planting areas, will aid in the overall reduction of air temperatures and mitigate heat island impacts.
- Urban Green Spaces & Air Quality Improvements – The urban green space provided along NE 9th Ave is not typical for an urban infill development. This setback and in-ground condition provides an opportunity for substantial in-ground landscape planters. These planters are a minimum of 9'-10" wide and are 3' feet deep. This opens the opportunity up to planting types that are much larger and denser than any planting that is typical of green roof system.
- Habitat for birds, plants, and pollinators – This type of dense and varied planting provides for air quality improvement, reduced temperature and heat island impact, urban green spaces, and habits for birds, plants and pollinators per the standard. Our proposal meets the intent of the habitat criteria by providing planting types and species that are more supportive for habitat by being located at ground level and having deeper soil levels, which will support more variety of native plants than a tray system on the rooftop. Research supports that lower-level landscapes support more birds and bees foraging and shelters than at rooftops or spaces that lack wind protection. We would like to provide certification for this area as wildlife support, furthering the commitment to a lush, green ecological treatment display and education.



9TH AVE SOUTHWEST CORNER - TERRACE VIEW



9TH AVE SOUTHWEST CORNER - ZOOMED IN VIEW



OVERALL AREAL VIEW



9TH AVE - SIDEWALK VIEW



LLOYD CENTER - CONCERT VENUE

PRESENTED BY WORKS PROGRESS ARCHITECTURE

Type III Design review submittal: July 12, 2024

Type III Design Revision 1: September 05, 2024