



DUPAGE COUNTY FOREST PRESERVE | **WILLOWBROOK WILDLIFE CENTER**

DESIGN DEVELOPMENT  
02.18.2022

## **CONTENTS**

**01** INTRODUCTION

**02** SITE DESIGN

**03** VISITOR CENTER / CLINIC DESIGN

**04** INTERIOR DESIGN

**05** EXHIBIT DESIGN CONCEPT

**06** OUTDOOR REHABILITATION

**07** SUSTAINABILITY

**08** APPENDIX

## INTRODUCTION

The Forest Preserve District of DuPage County is a nationally recognized conservation agency that envisions a community in which all citizens share a connection with nature and an appreciation for cultural history. As part of the Forest Preserve District of DuPage County, Willowbrook Wildlife Center provides native wildlife rehabilitation services to care for injured, sick, or orphaned wild animals. Historically Willowbrook Wildlife Center has been a pioneer in the field of wildlife medicine and strives to become a state-of-the-art facility that is a national leader in engaging visitors in veterinary science, medical care, and wildlife rehabilitation.

Willowbrook Wildlife Center serves as a resource for residents of DuPage County to learn about living in harmony with local wildlife and champions the interconnection between healthy wildlife and healthy ecosystems to foster and promote safe, healthy, and sustainable communities for all living things in DuPage County and beyond.

The new Phase 2 Campus Improvements include a new approximately 27,600 SF Clinic and Visitor Center designed to support an efficient and safe rehabilitation process, a variety of Outdoor Rehabilitation Enclosures grossing approximately 27,200 SF to prepare animals for release into the

wild, and a renovated 5,400 SF Research and Species Propagation Center to support the captive propagation of at-risk species and research projects that will advance wildlife medicine and rehabilitation.

Designed to fit into the natural landscape, the Clinic and Visitor Center is planned around significant oak and walnut trees on the property. The front entrance features an oak tree that forms a soft separation between the animal intake entry and public visitor entry. Low slope roofs with long horizontal edges provide a low profile to the building while vertical and horizontal textures blend the building into the surrounding trees and grasses. Layers of structure and extended canopies help the profile of the architecture visually dissolve into the forest. Elements of sustainability and wellness are incorporated into the project in addition to features that support healthy wildlife such as bird-friendly glass and screening elements.

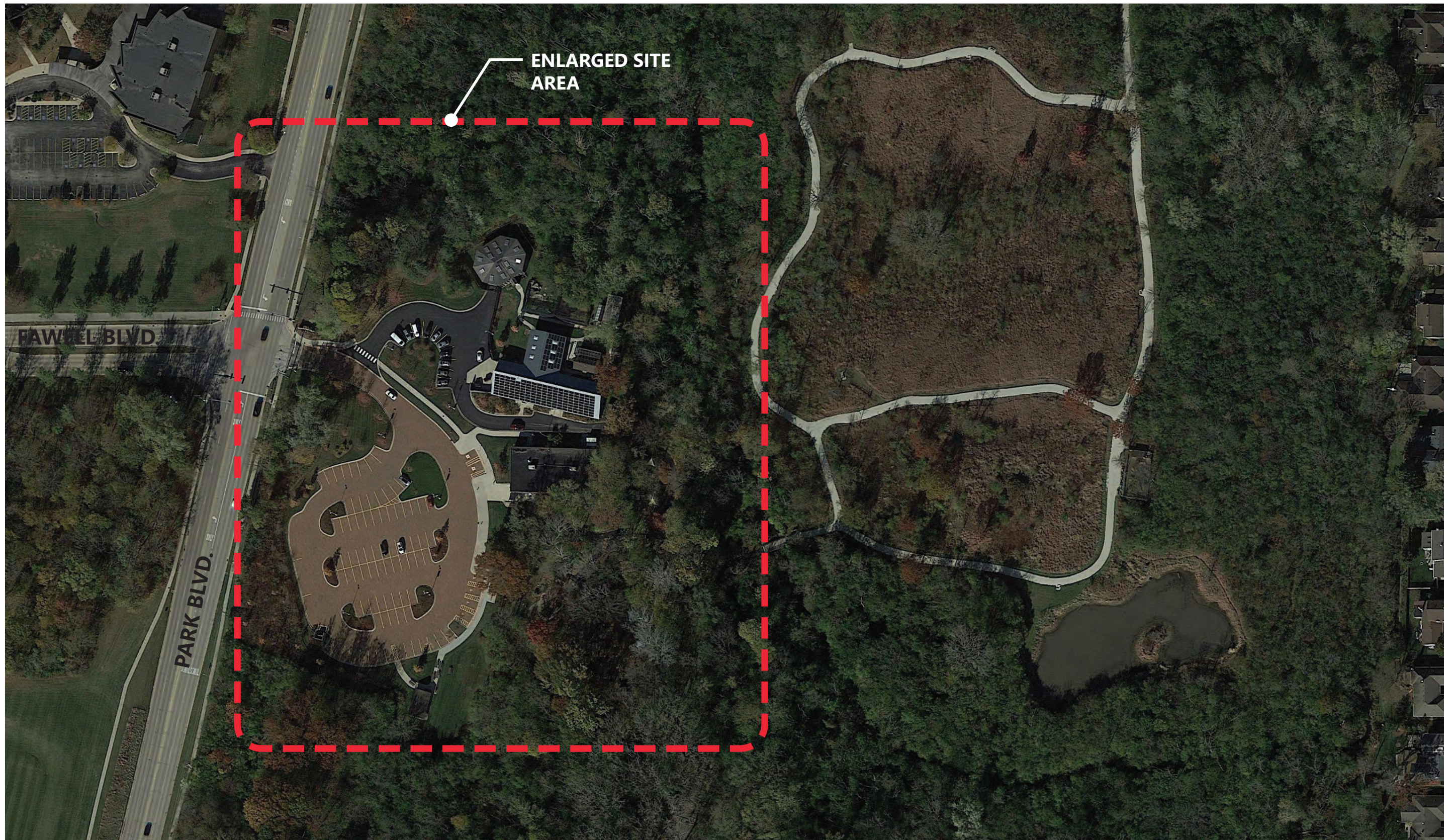


INTRODUCTION  
**PROJECT UNDERSTANDING**



1. Over the next 10 years, Willowbrook will transition away from having a collection of non-releasable animals to focusing on rehabilitation and reintroduction into the wild.
2. To improve the safety and conditions of the facilities for the rehabilitation and restoration of animals and animal species.
3. To improve safety and efficiency of facilities and work environment for Willowbrook staff and volunteers.
4. To improve the ability of the facilities to engage and immerse the public in the wildlife rehabilitation processes and ecosystem environments to foster a greater appreciation for the native species, animal habitats, ecosystem functions and the interconnectivity of natural systems.
5. To make the facility more sustainable and energy efficient.
6. To support the captive propagation of at-risk species and research projects that will advance wildlife medicine and wildlife rehabilitation.





ENLARGED SITE  
AREA

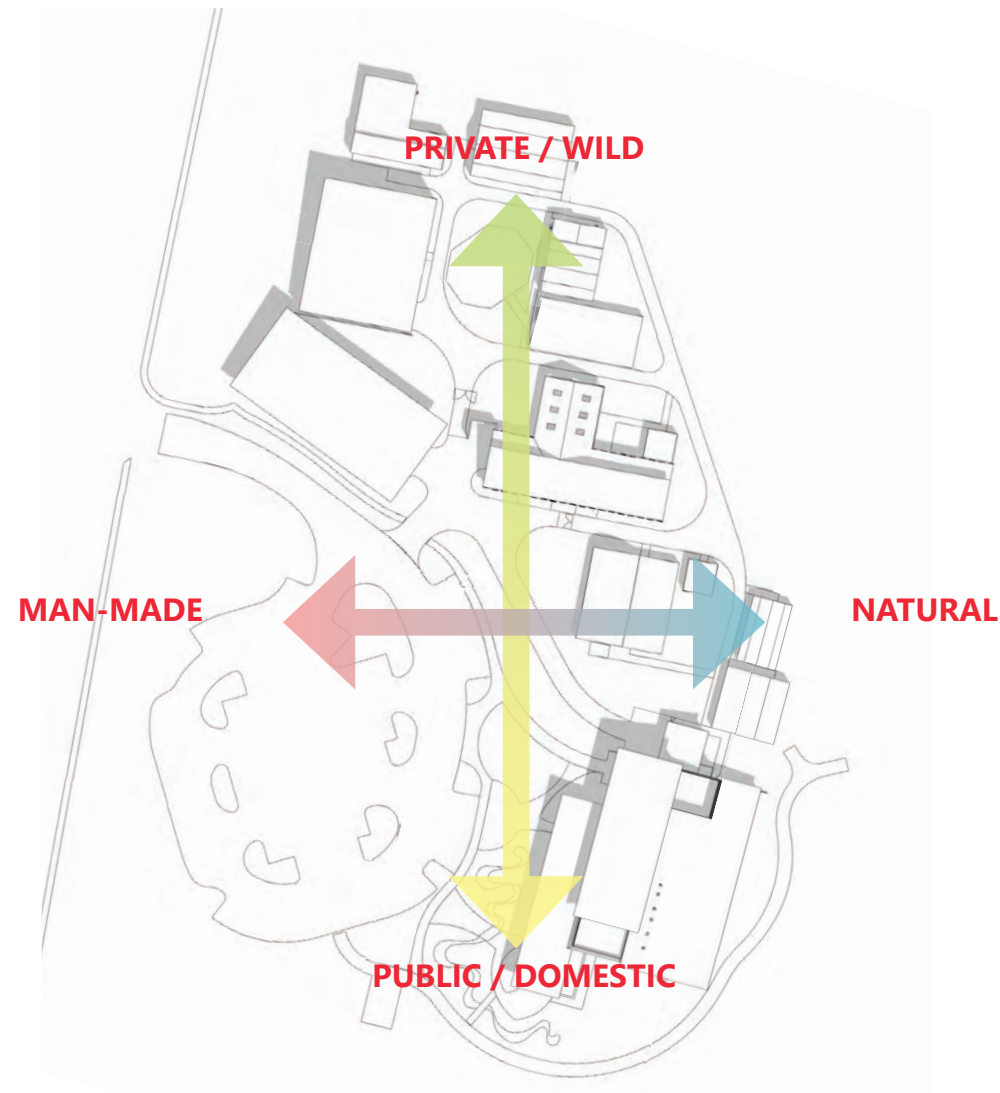


INTRODUCTION  
PROPOSED SITE DIAGRAM





1. A CONTINUUM OF EXPERIENCES FOR ALL INHABITANTS



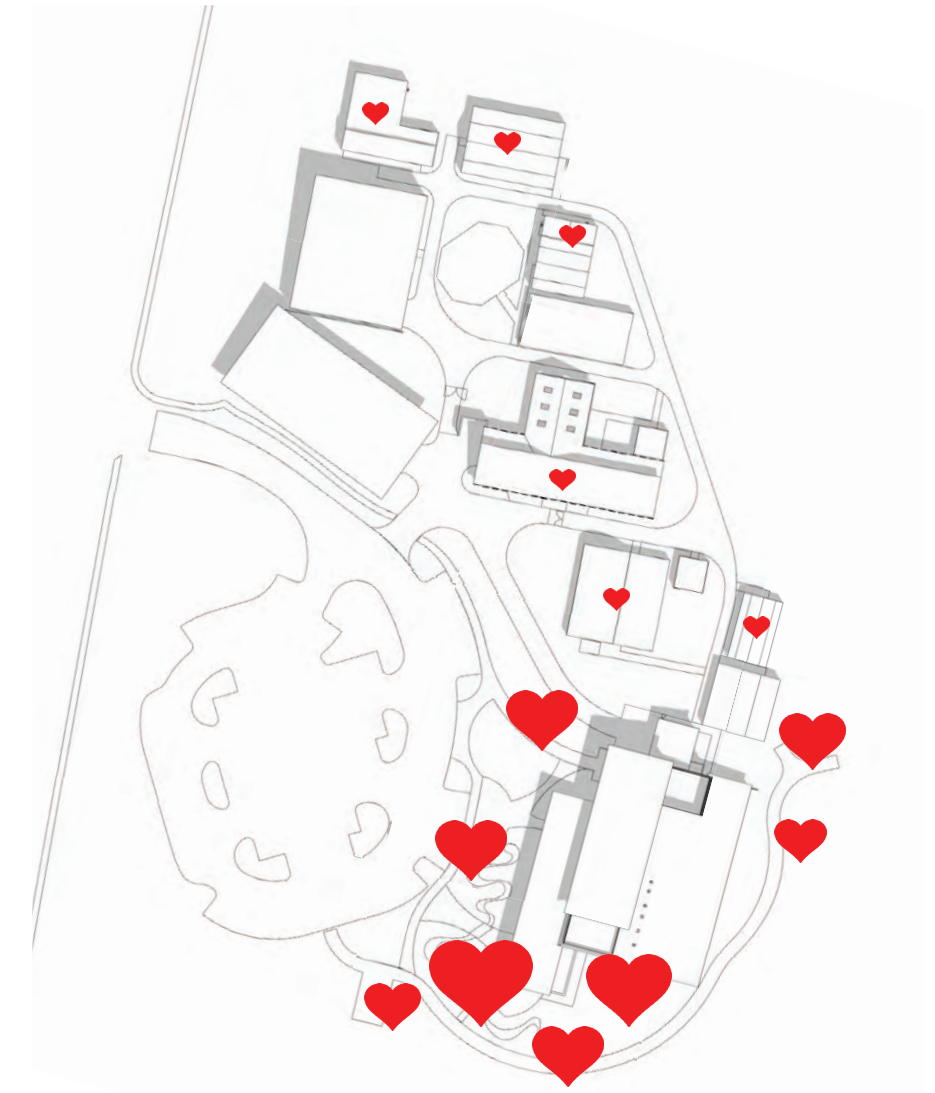
The layout of the facility should blur interior environment with the outdoors to allow inhabitants to experience and connect with nature. As animals move through the facility they can gradually work their way towards autonomy to survive independently in the wild.

2. SUPPORTING SUSTAINABILITY



From the orientation of the site components and the careful consideration of the site conditions to the engineering of each element, the new facility should embrace sustainability and act as a leader in the field of sustainable development.

3. ENGAGE AND INSPIRE HARMONY WITH OUR ECOSYSTEM



Create an atmosphere that inspires the public and staff to live in harmony within our ecosystem and act as good stewards of our environment.

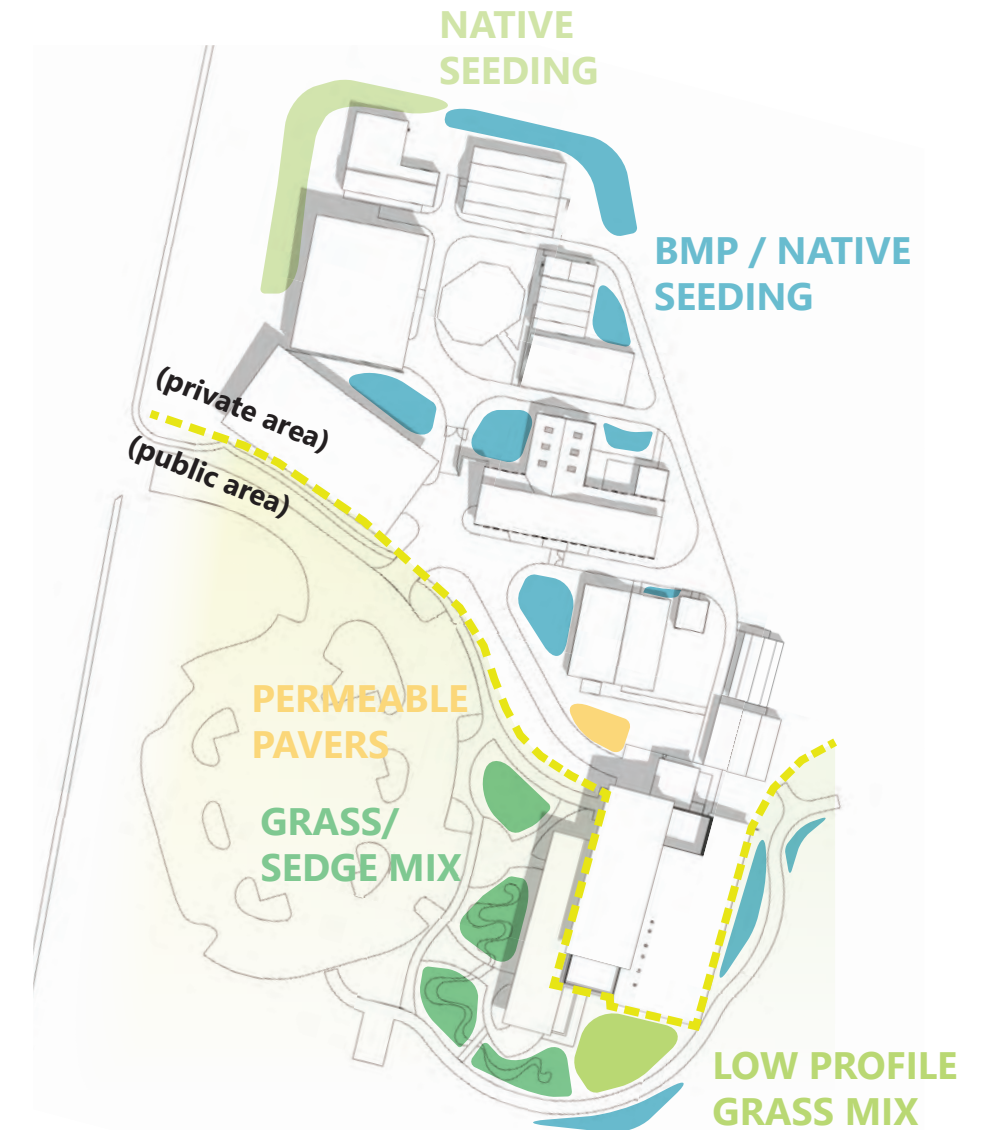
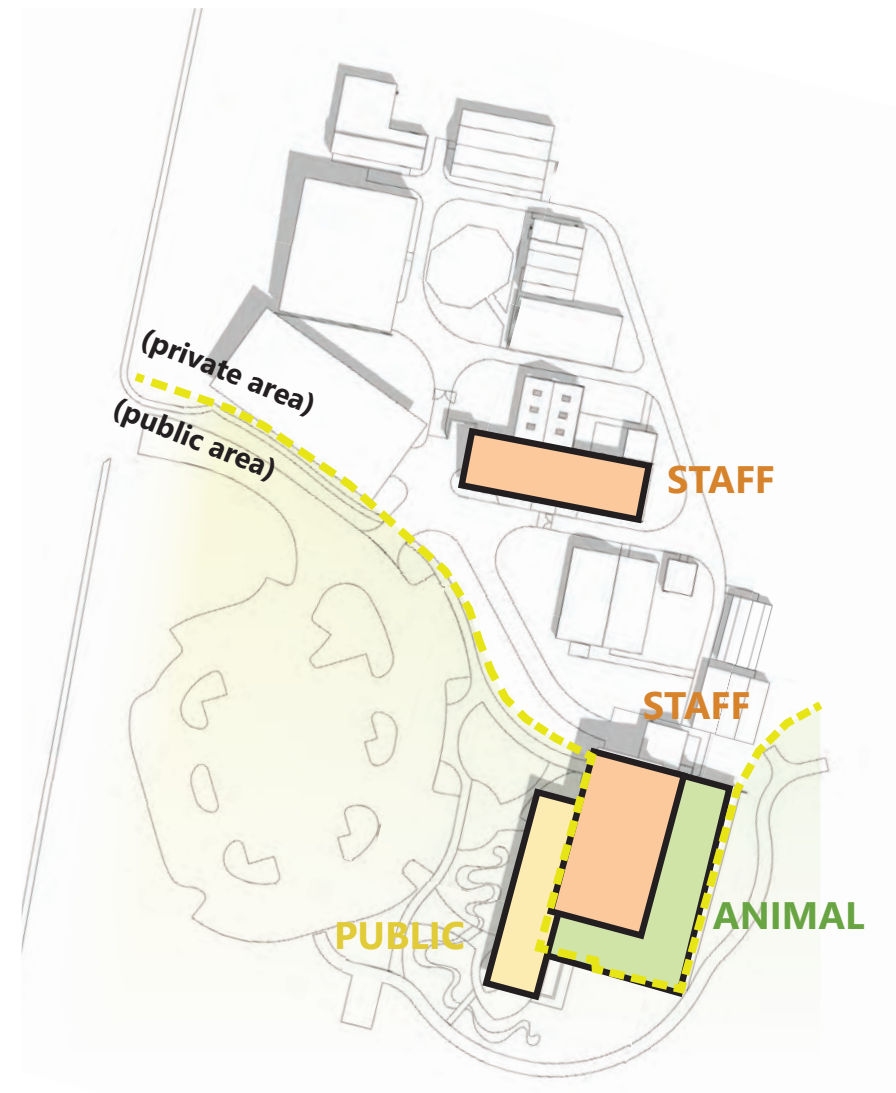
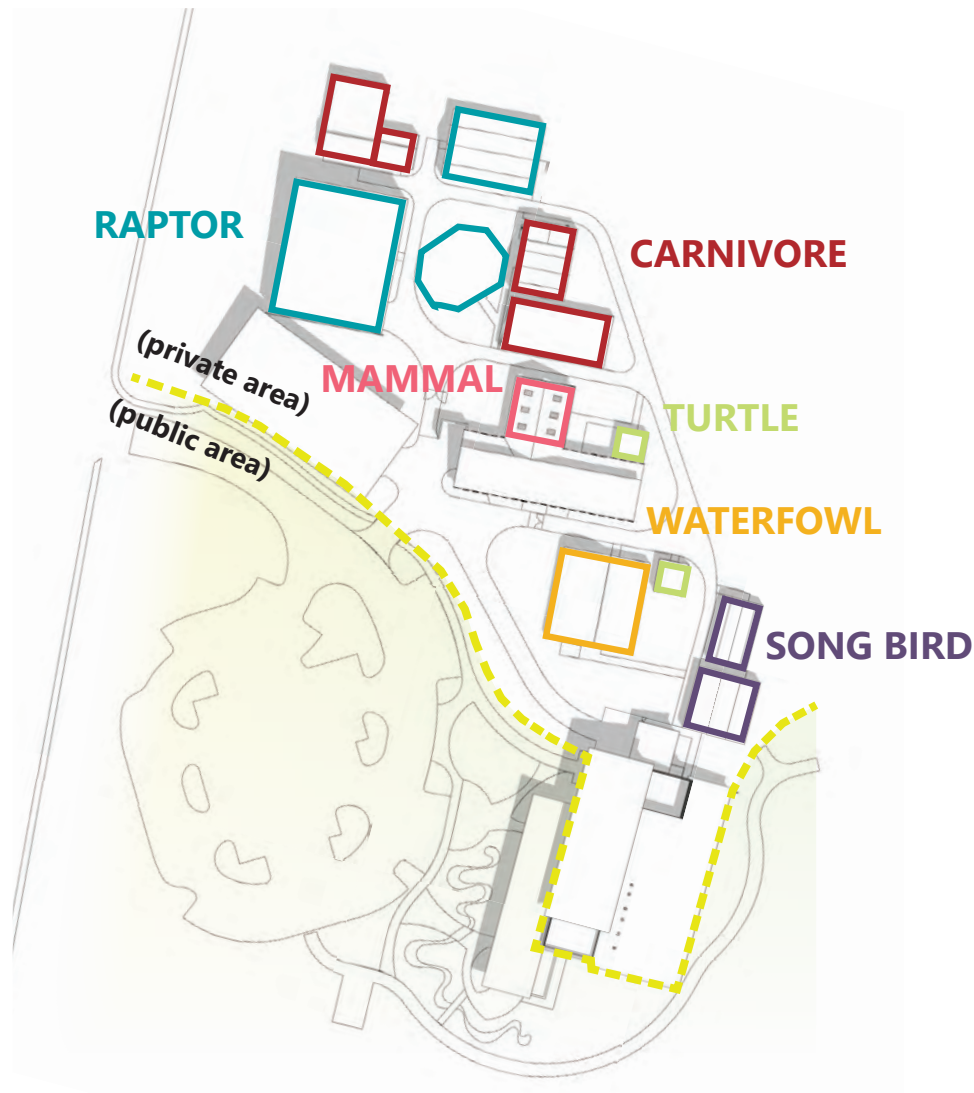


SITE DESIGN

1. OUTDOOR PROGRAM ORGANIZATION

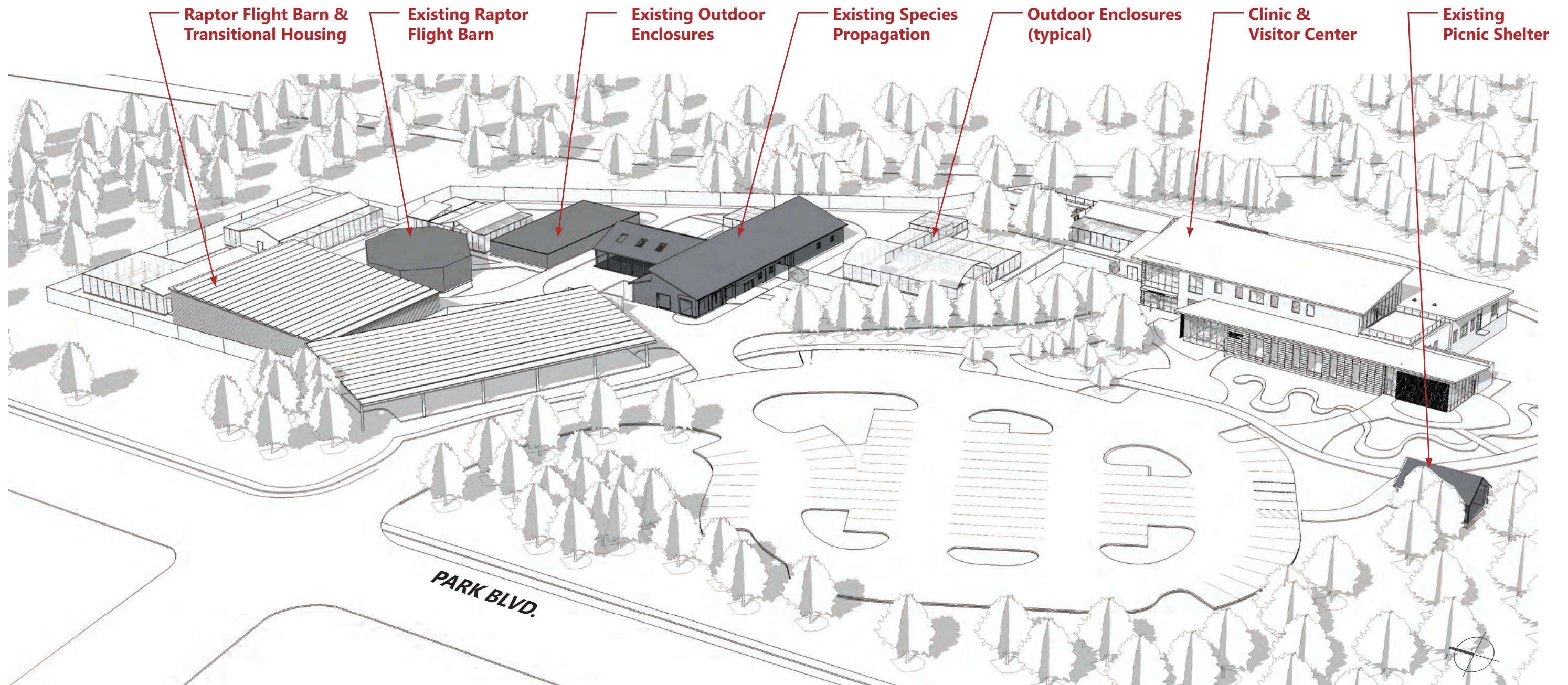
2. INDOOR PROGRAM ORGANIZATION

3. LANDSCAPE ORGANIZATION





# SITE DESIGN PROJECT MASSING





# SITE DESIGN ENLARGED SITE PLAN

- Ⓐ Song Bird Housing
- Ⓑ Resident Song Bird Housing
- Ⓒ Turtle Enclosure
- Ⓓ Large Waterfowl & Aquatic Mammal Ponds Enclosure 1
- Ⓔ Large Waterfowl & Aquatic Mammal Ponds Enclosure 2
- Ⓕ Blanding Turtle Enclosure
- Ⓖ Raccoon and Resident Mammal Enclosure
- Ⓗ Resident Raptor Outdoor/Indoor Enclosure
- Ⓘ Large Carnivore Transitional Enclosure
- Ⓝ Raptor Flight Barn
- Ⓚ Existing Raptor Barn
- Ⓛ Existing Enclosure
- Ⓜ Existing Mammal Enclosure
- Ⓝ Existing Species Propagation Building
- Ⓞ Extended Service Drive
- Ⓟ Isolation Run
- Ⓠ Clinic & Visitor's Center
- Ⓡ Entry Plaza
- Ⓢ Outdoor Learning
- Ⓣ Reconfigured Interpretive Trail
- Ⓤ Existing Shelter
- Ⓥ PV Solar Panel Canopy





# SITE DESIGN LANDSCAPE PLAN



Willowbrook Master Plan Phase 2 Plant List					
Symbol	Botanical Name	Common Name	Quantity	Size	Notes
<b>Trees</b>					
AME-L	<i>Amelanchier laevis</i>	Allegheny Shadblow		6' ht.	Multi-stemmed
CEL-O	<i>Celtis occidentalis</i>	Hackberry		2.5" cal.	
CER-C	<i>Cercis canadensis</i>	Redbud		6' ht.	Multi-stemmed
CRA-V	<i>Crataegus viridus</i>	Green Hawthorn		8' ht.	
TIA-A	<i>Tilia americana</i>	Basswood		2.5" cal.	
PIN-S	<i>Pinus strobus</i>	White Pine		8' ht.	
QUE-R	<i>Quercus rubra</i>	Red Oak		2.5" cal.	
<b>Shrubs</b>					
ARO-A	<i>Aronia arbutifolia</i>	Red Chokeberry		5 Gal.	
ARO-M	<i>Aronia melanocarpa</i>	Black Chokeberry		5 Gal.	
CEA-A	<i>Ceanothus americanus</i>	New Jersey Tea		5 Gal.	
COR-A	<i>Corylus americana</i>	Hazelnut		5 Gal.	
DIE-L	<i>Diervilla lonicera</i>	Dwarf Honeysuckle		5 Gal.	
HYD-A	<i>Hydrangea arborescens</i>	Smooth Hydrangea		5 Gal.	
<b>TAX-C</b>					
<b>Grasses</b>					
AND-S	<i>Andropogon scoparius</i>	Little Bluestem		2.5" Plug	18" O.C.
BOUT-C	<i>Bouteloua curtipendula</i>	Side-oats Grama		2.5" Plug	18" O.C.
SPO-H	<i>Sporobolus heterolepis</i>	Prairie Dropseed		2.5" Plug	18" O.C.
PAN-V	<i>Panicum virgatum</i>	Switchgrass		2.5" Plug	18" O.C.
CAR-P	<i>Carex pensylvanica</i>	Penn Sedge		2.5" Plug	18" O.C.
CAR-R	<i>Carex rosea</i>	Curly-styled Wood Sedge		2.5" Plug	18" O.C.
<b>Forbs</b>					
	<i>Asclepias incarnata</i>	Swamp Milkweed		2.5" Plug	18" O.C.
	<i>Asarum canadense</i>	Wild Ginger		2.5" Plug	18" O.C.
	<i>Allium cernuum</i>	Nodding Wild Onion		2.5" Plug	18" O.C.
	<i>Liatris aspera</i>	Rough Blazing Star		2.5" Plug	18" O.C.
	<i>Penstemon digitalis</i>	Foxglove		2.5" Plug	18" O.C.
	<i>Polemonium reptans</i>	Jacobs Ladder		2.5" Plug	18" O.C.
	<i>Echinacea purpurea</i>	Purple Coneflower		2.5" Plug	18" O.C.
	<i>Dodecatheon media</i>	Shooting Star		2.5" Plug	18" O.C.
	<i>Geranium maculatum</i>	Wild Geranium		2.5" Plug	18" O.C.
	<i>Mertensia virginica</i>	Virginia Bluebells		2.5" Plug	18" O.C.
	<i>Rudbeckia fulgida speciosa</i>	Black Eyed Susan		2.5" Plug	18" O.C.
	<i>Phlox divaricata</i>	Woodland Phlox		2.5" Plug	18" O.C.
	<i>Caltha palustris</i>	Marsh Marigold		2.5" Plug	18" O.C.
	<i>Ruellia humilis</i>	Wild Petunia		2.5" Plug	18" O.C.
	<i>Parthenocissus cinauefolia</i>	Virginia Creeper		1 Gal	18" O.C.

VISITOR CENTER / CLINIC DESIGN

VISITOR CENTER / CLINIC DESIGN  
**PROJECT MATERIALS CONCEPT**





VISITOR CENTER / CLINIC DESIGN  
**BUILDING MATERIALS**



- 1 HALQUIST STONE - CHILTON BROWN
- 2 COPPER ANODIZED RAINSCREEN WALL
- 3 PERFORATED METAL BIRD SCREEN
- 4 RIEDER FIBER CEMENT PLANK RAINSCREEN WALL
- 5 CURTAIN WALL
- 6 GLASS WITH ACID ETCH PATTERN
- 7 STRUCTURAL GLULAM SYSTEM
- 8 DOUGLAS FIR WOOD SPECIES



VISITOR CENTER / CLINIC DESIGN  
**VIEW TO INTAKE**





VISITOR CENTER / CLINIC DESIGN  
**VIEW FROM PARKING LOT**





VISITOR CENTER / CLINIC DESIGN  
**VIEW FROM PICNIC SHELTER**





VISITOR CENTER / CLINIC DESIGN  
**VIEW TO CLASSROOM**





VISITOR CENTER / CLINIC DESIGN  
**VIEW FROM SOUTH TRAIL**



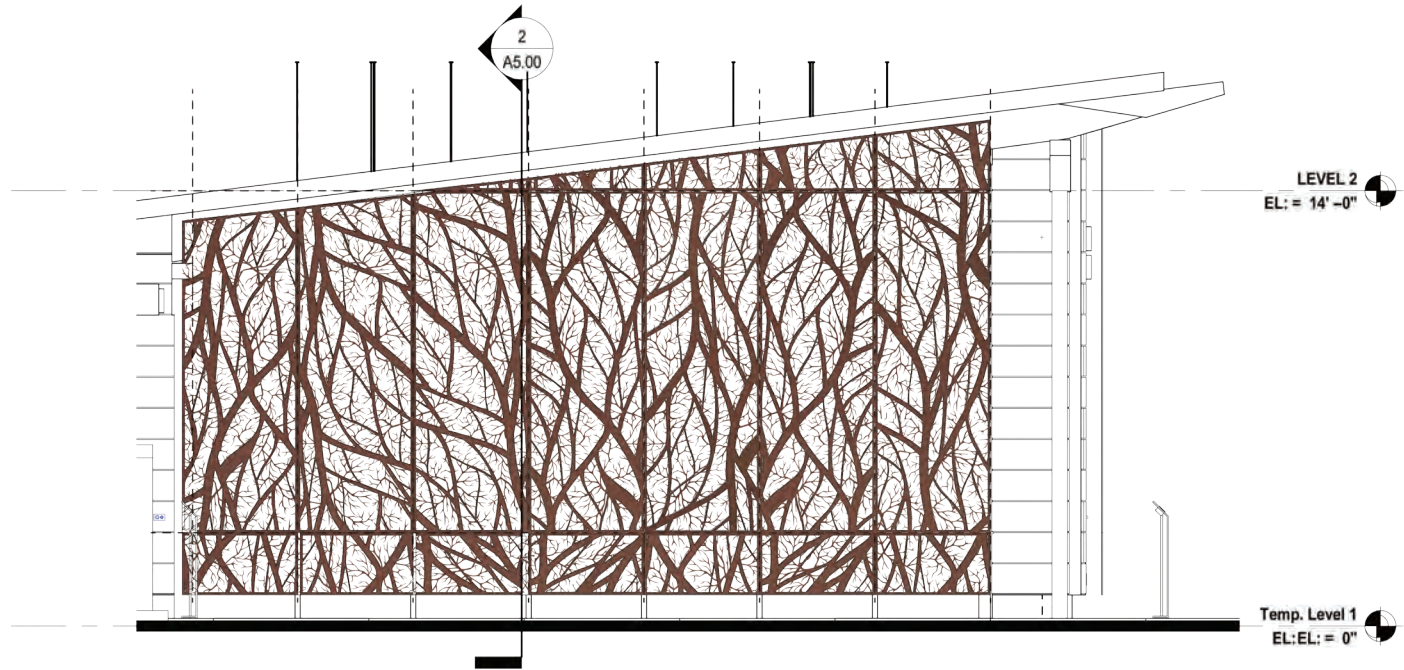
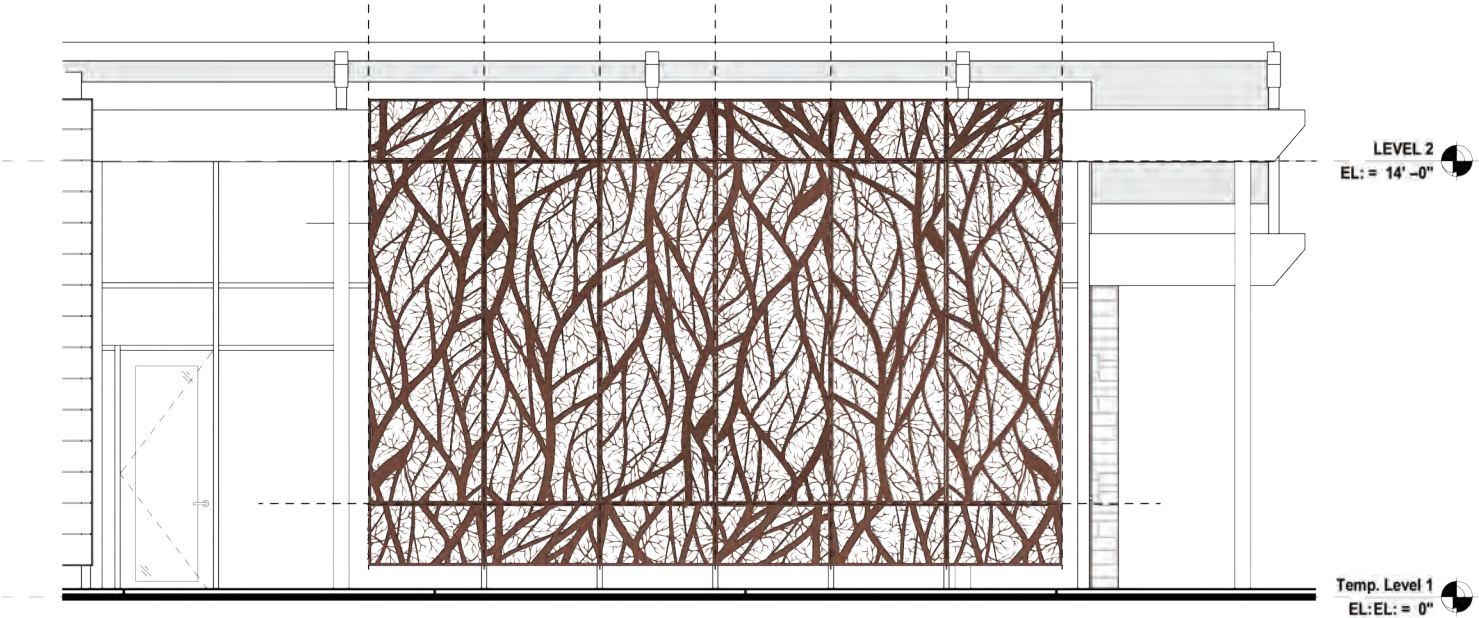
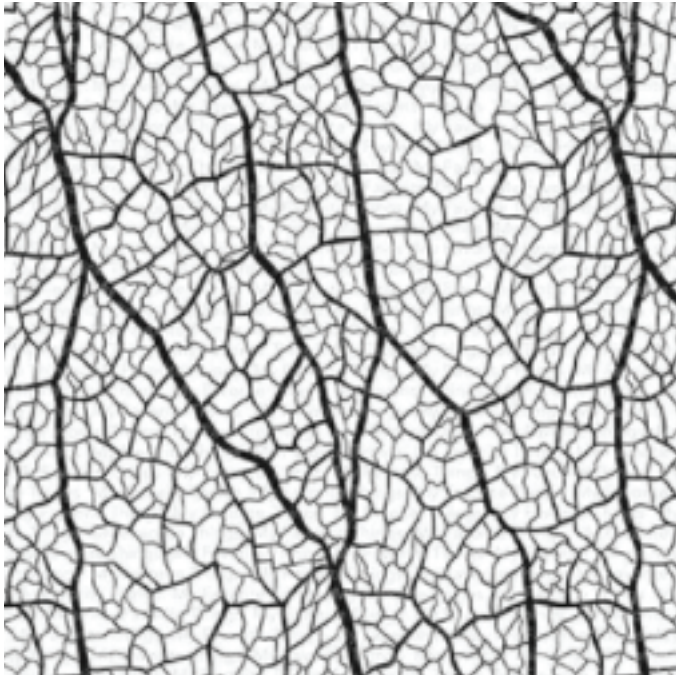


VISITOR CENTER / CLINIC DESIGN  
**VIEW FROM SITE ENTRY**





VISITOR CENTER / CLINIC DESIGN  
**PERFORATED METAL SUNSHADE**



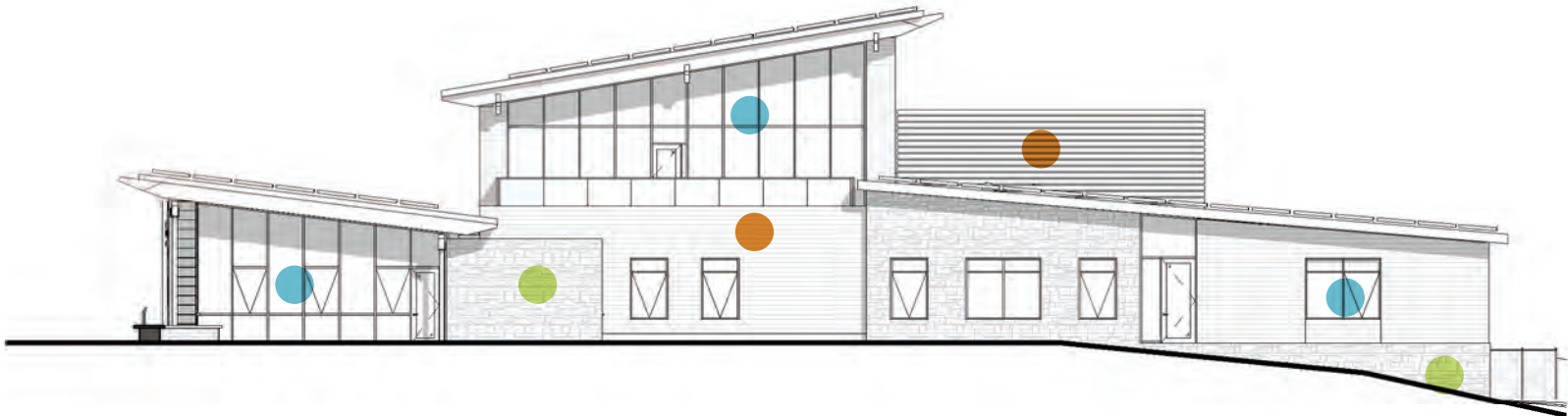


# VISITOR CENTER / CLINIC DESIGN ELEVATIONS

- Curtainwall w/ Operable Lites as shown
- Perforated Metal Sunshade/Bird Deterrent
- Fiber Cement Plank Rainscreen Wall
- Copper Anodized Rainscreen Wall
- Stone Masonry Cavity Wall: Cast Limestone
- Standing Seam Metal Roof (w/ PV as shown)



**WEST ELEVATION**



**SOUTH ELEVATION**

# VISITOR CENTER / CLINIC DESIGN ELEVATIONS

- Curtainwall w/ Operable Lites as shown
- Perforated Metal Sunshade/Bird Deterrent
- Fiber Cement Plank Rainscreen Wall
- Copper Anodized Rainscreen Wall
- Stone Masonry Cavity Wall: Cast Limestone
- Standing Seam Metal Roof (w/ PV as shown)

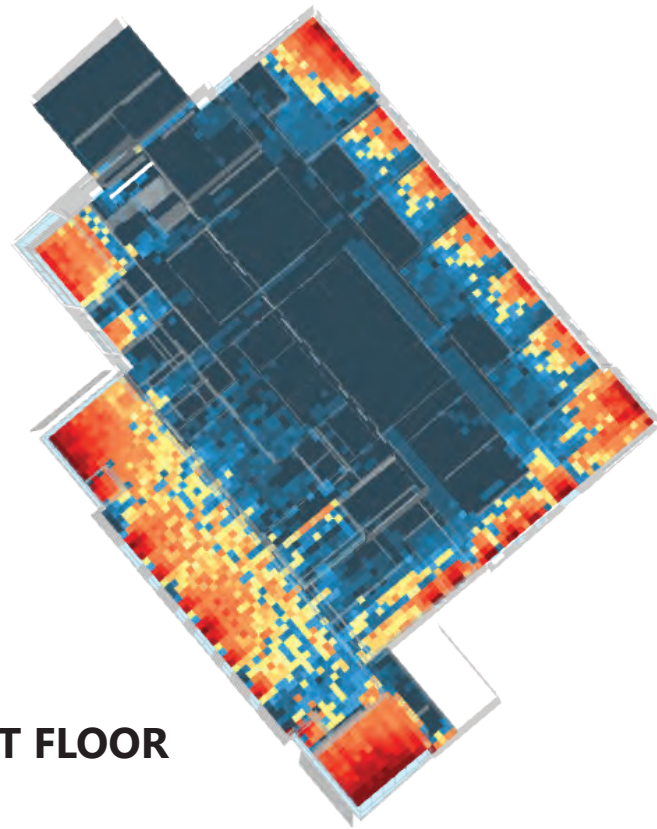


**EAST ELEVATION**

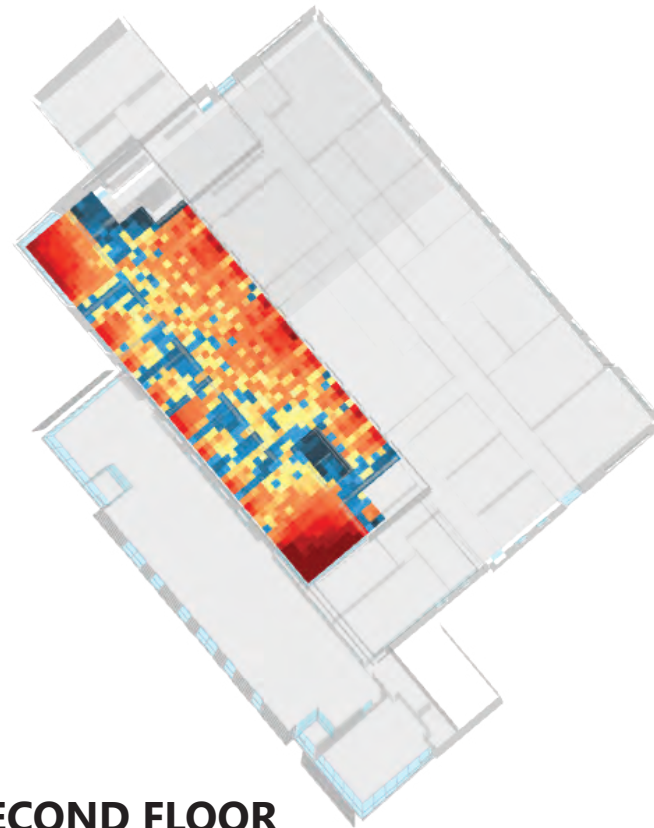




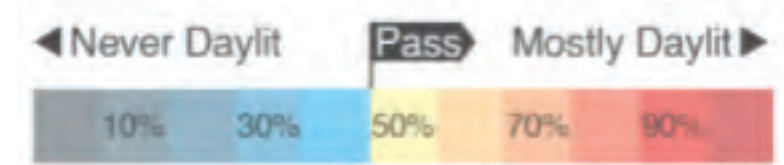
# VISITOR CENTER / CLINIC DESIGN DAYLIGHT OPTIMIZATION STUDY



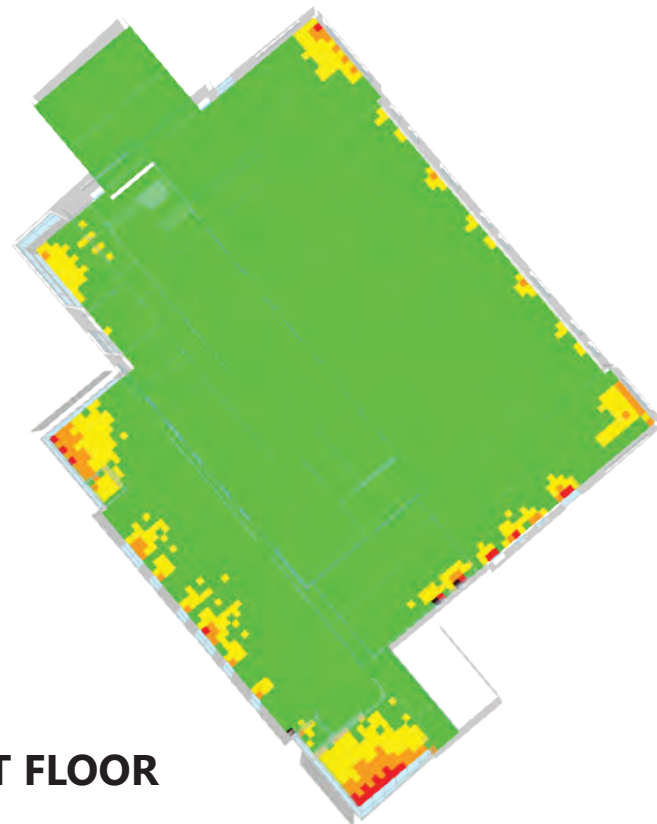
FIRST FLOOR



SECOND FLOOR



Spatial Daylight Autonomy (sDA) measures spaces that receive 30fc of light for at least 50% of the day. For the project this calculates to 24% which does not meet the recommended minimum of 55%. The shortfall is primarily due to having internal spaces without windows. The required close spatial relationships of the project drive the compact layout and daylight preference has been given to areas consistently occupied with people and animals. Solatube or borrowed lites are proposed to further enhance daylight within the interior of the building.



FIRST FLOOR



SECOND FLOOR



Annual Sunlight Exposure (ASE) measures glare. Areas in green are shown to have less than 10% ASE and do not require addressing. Areas greater than 10%, depending on use, require mitigation measures such as roller shades.






# VISITOR CENTER / CLINIC DESIGN FIRST FLOOR PLAN

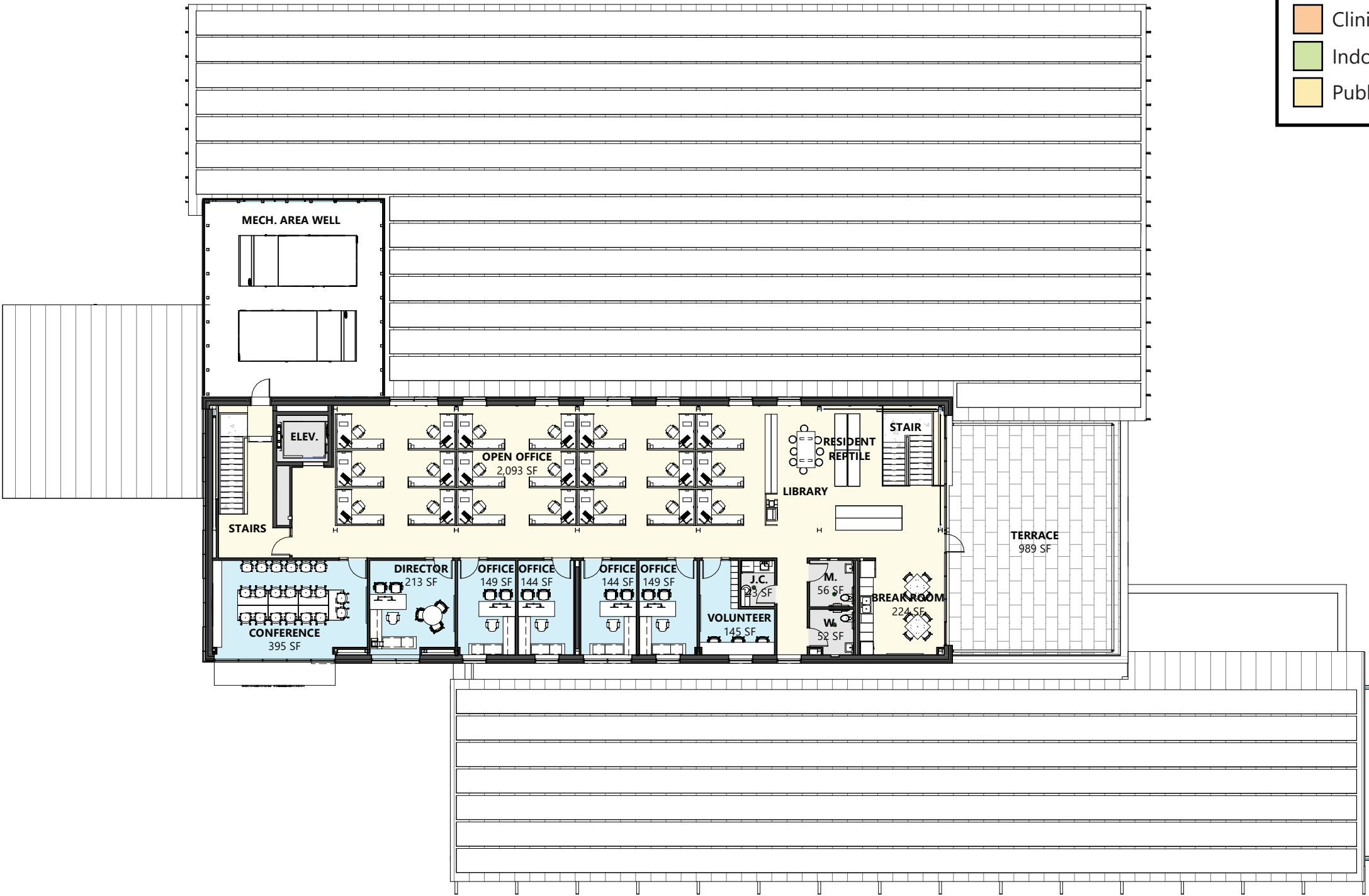


<span style="color: lightblue;">■</span>	Administration
<span style="color: orange;">■</span>	Clinic Area
<span style="color: lightgreen;">■</span>	Indoor Rehabilitation / Housing Area
<span style="color: yellow;">■</span>	Public Areas & Education



# VISITOR CENTER / CLINIC DESIGN SECOND FLOOR PLAN

	Administration
	Clinic Area
	Indoor Rehabilitation / Housing Area
	Public Areas & Education





INTERIOR DESIGN



SEASONAL INSPIRATION | LOCAL



NATURAL & DURABLE MATERIALS | TIMELESS



BIOPHILIC | SUSTAINABLE



HEALTHY & INSPIRING | WELLNESS













INTERIOR DESIGN  
**CLASSROOM**









INTERIOR DESIGN  
**CONFERENCE ROOM**





INTERIOR DESIGN  
**OPEN OFFICE**





**PALETTE**



- 1 POLISHED CONCRETE FLOORING
- 2 QUARTZ COUNTER TOP
- 3 PAINT COLOR PALETTE
- 4 CASEWORK MATERIAL
- 5 EXPOSED STRUCTURE

**WALLS**



SHERWIN WILLIAMS  
COLOR: PEARLY WHITE  
SW 7009

SHERWIN WILLIAMS  
COLOR: JASPER STONE  
SW 9133

SHERWIN WILLIAMS  
COLOR: CONTENTED  
SW 6191

SHERWIN WILLIAMS  
COLOR: HUBBARD SQUASH  
SW 0044

STONE SOURCE PORCELAIN  
STONETECH 4.0  
COLOR: STONE 2

STONE SOURCE PORCELAIN  
LUCE DI CERAMICA  
COLOR: TEAL MATTE

**FLOORING**



TARKETT - LVT  
ID LATITUDE PLTG  
COLOR: COOL BEIGE 3542  
SHAPE: PLANK

ARMSTRONG - LVT  
COLOR: PIER BEIGE J5151  
SHAPE: TILE

**CASEWORK**



FORMICA  
PLASTIC LAMINATE  
COLOR: 6413-AN SILVER RIFTWOOD

WILSONART  
QUARTZ  
COLOR: LORRAINE Q1012

WILSONART  
QUARTZ  
COLOR: DESERT WIND Q4031



STONE SOURCE PORCELAIN  
STONETECH 4.0  
COLOR: STONE 6

POLISHED CONCRETE

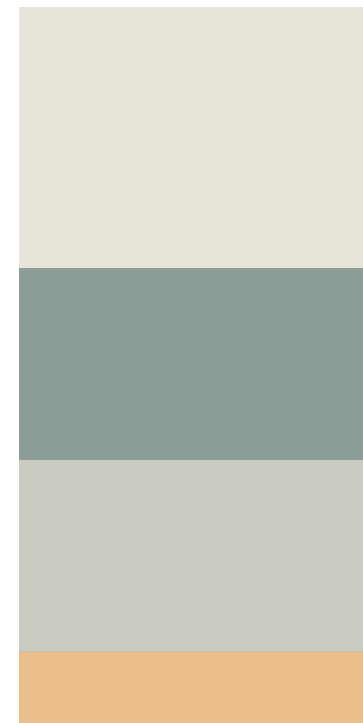


**PALETTE**



- 1 EPOXY FLOORING WITH INTEGRAL BASE
- 2 SOLID SURFACE COUNTER TOP
- 3 PAINT COLOR
- 4 ACCENT COLOR
- 5 CASEWORK MATERIAL
- 6 RESILIENT FLOORING (IN CORRIDOR)

**WALLS**



- SHERWIN WILLIAMS  
COLOR: PEARLY WHITE  
SW 7009
- SHERWIN WILLIAMS  
COLOR: JASPER STONE  
SW 9133
- SHERWIN WILLIAMS  
COLOR: CONTENTED  
SW 6191
- SHERWIN WILLIAMS  
COLOR: HUBBARD SQUASH  
SW 0044

**FLOORING**



- EPOXY FLOORING: DUR-A-QUARTZ  
W/ INTEGRAL BASE  
COLOR: Q28-23

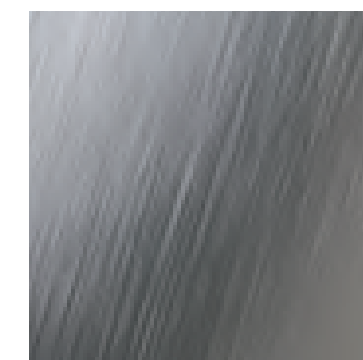
**CASEWORK**



- FORMICA  
PLASTIC LAMINATE  
COLOR: 6413-AN SILVER RIFTWOOD



- ARISTECH SURFACES  
SOLID SURFACE  
COLOR: TWINKLE 1060



- STAINLESS STEEL  
COLOR: BRUSHED SMOOTH

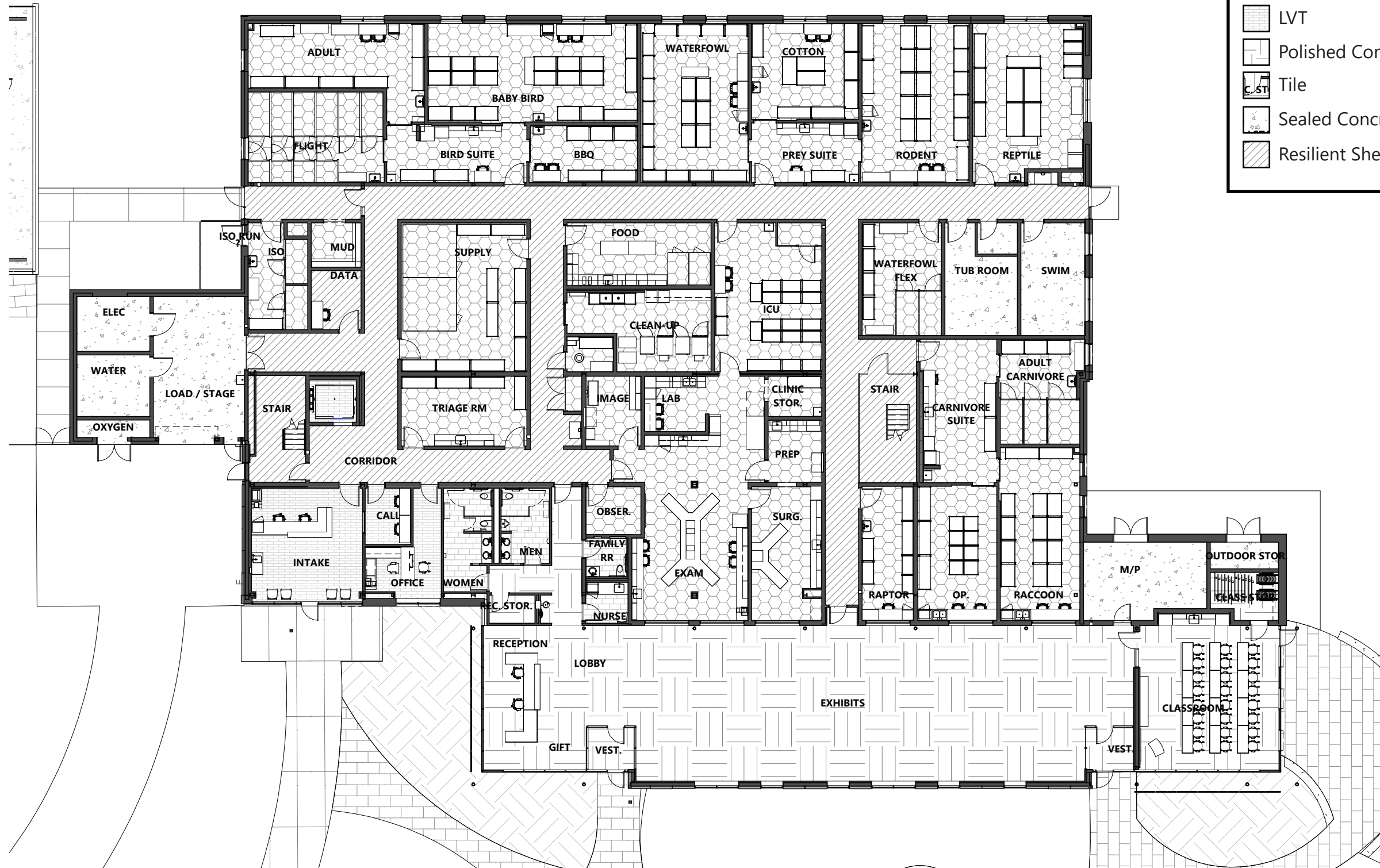


- TARKETT - RESILIENT SHEET  
IQ OPTIMA  
COLOR: ANGEL KISS









# INTERIOR DESIGN FIRST FLOOR FINISH PLAN

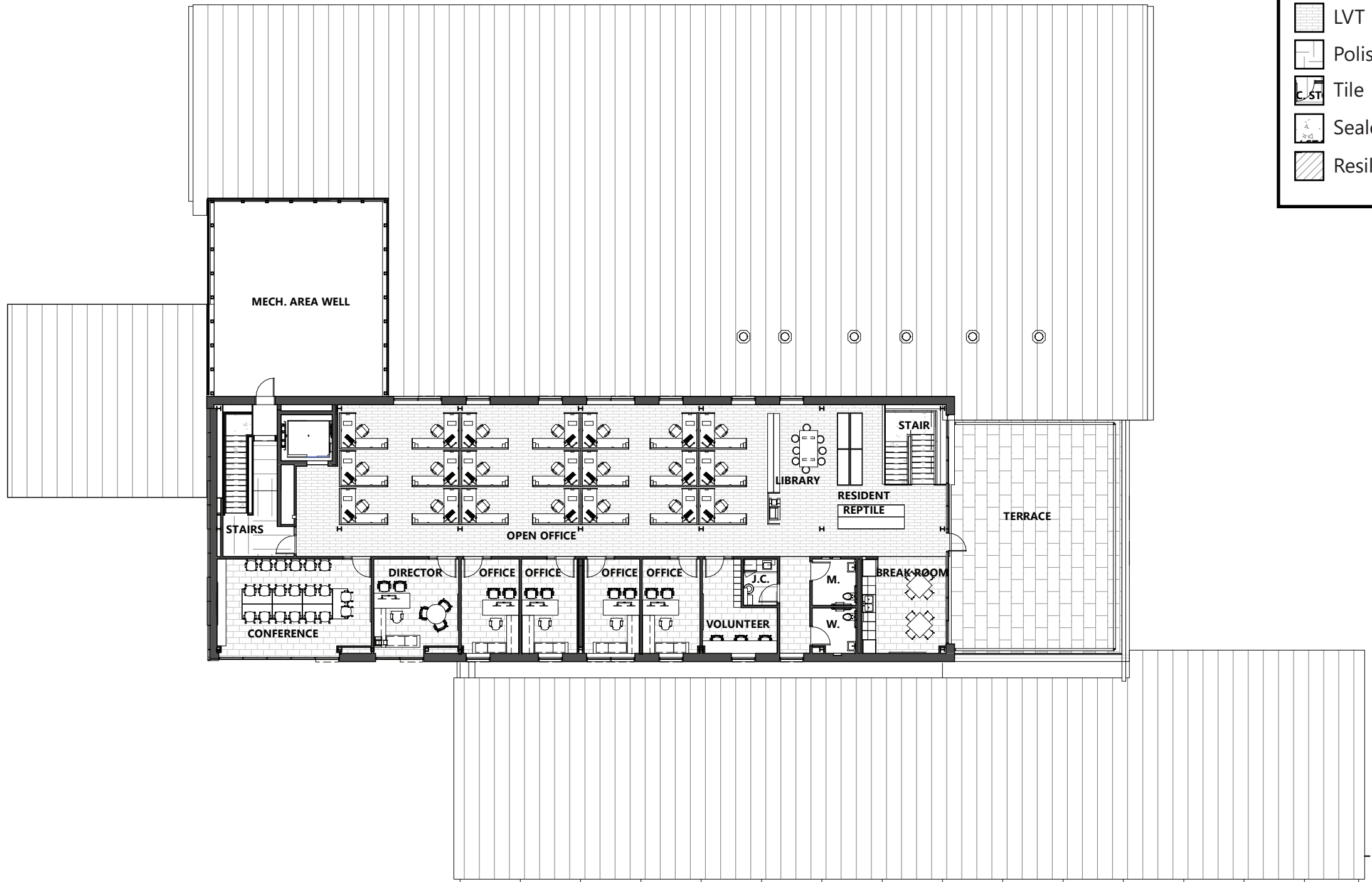
	Epoxy
	LVT
	Polished Concrete
	Tile
	Sealed Concrete
	Resilient Sheet









# INTERIOR DESIGN SECOND FLOOR FINISH PLAN

	Epoxy
	LVT
	Polished Concrete
	Tile
	Sealed Concrete
	Resilient Sheet









# INTERIOR DESIGN FIRST FLOOR CEILING PLAN

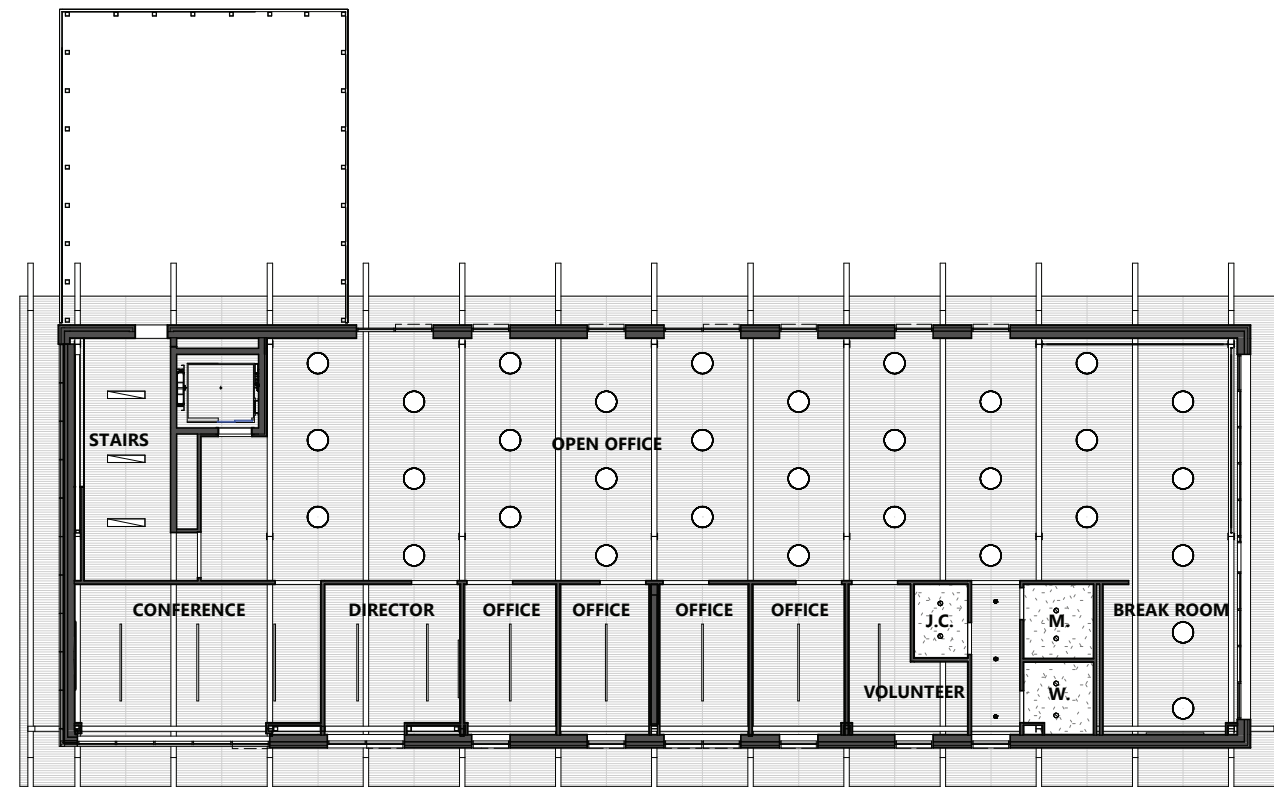
-  Gypsum Board Ceiling (painted)
-  Acoustical Ceiling Tile
-  Tongue & Groove Wood Deck / Soffit
-  Unfinished, Painted





# INTERIOR DESIGN SECOND FLOOR CEILING PLAN

-  Gypsum Board Ceiling (painted)
-  Acoustical Ceiling Tile
-  Tongue & Groove Wood Deck / Soffit
-  Unfinished, Painted



## FIXTURE TYPES:



Recessed 2X2 and 2x4



Recessed Downlight



Linear Suspended



Pendant



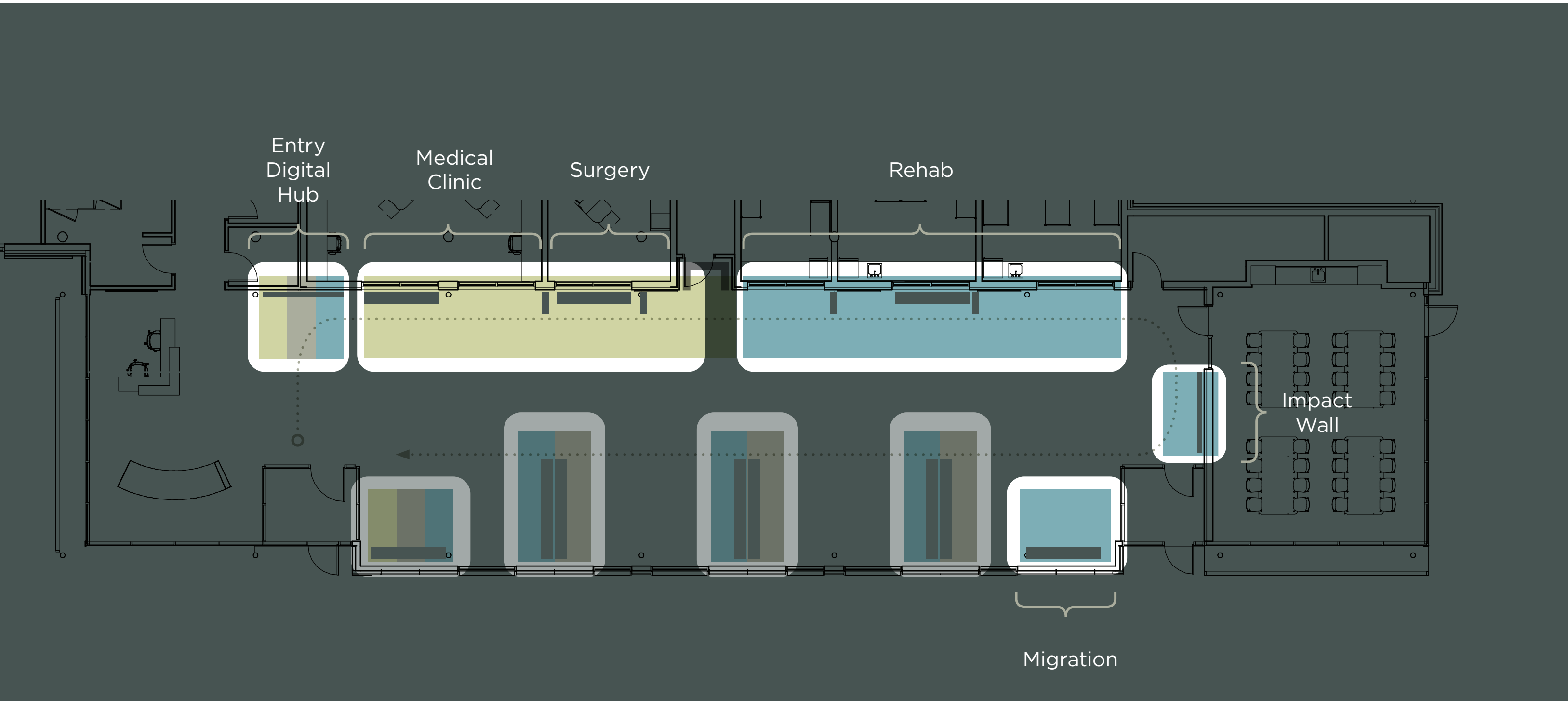
Exterior Sconce



EXHIBIT DESIGN CONCEPT



# CONTENT DEVELOPMENT PROGRESS







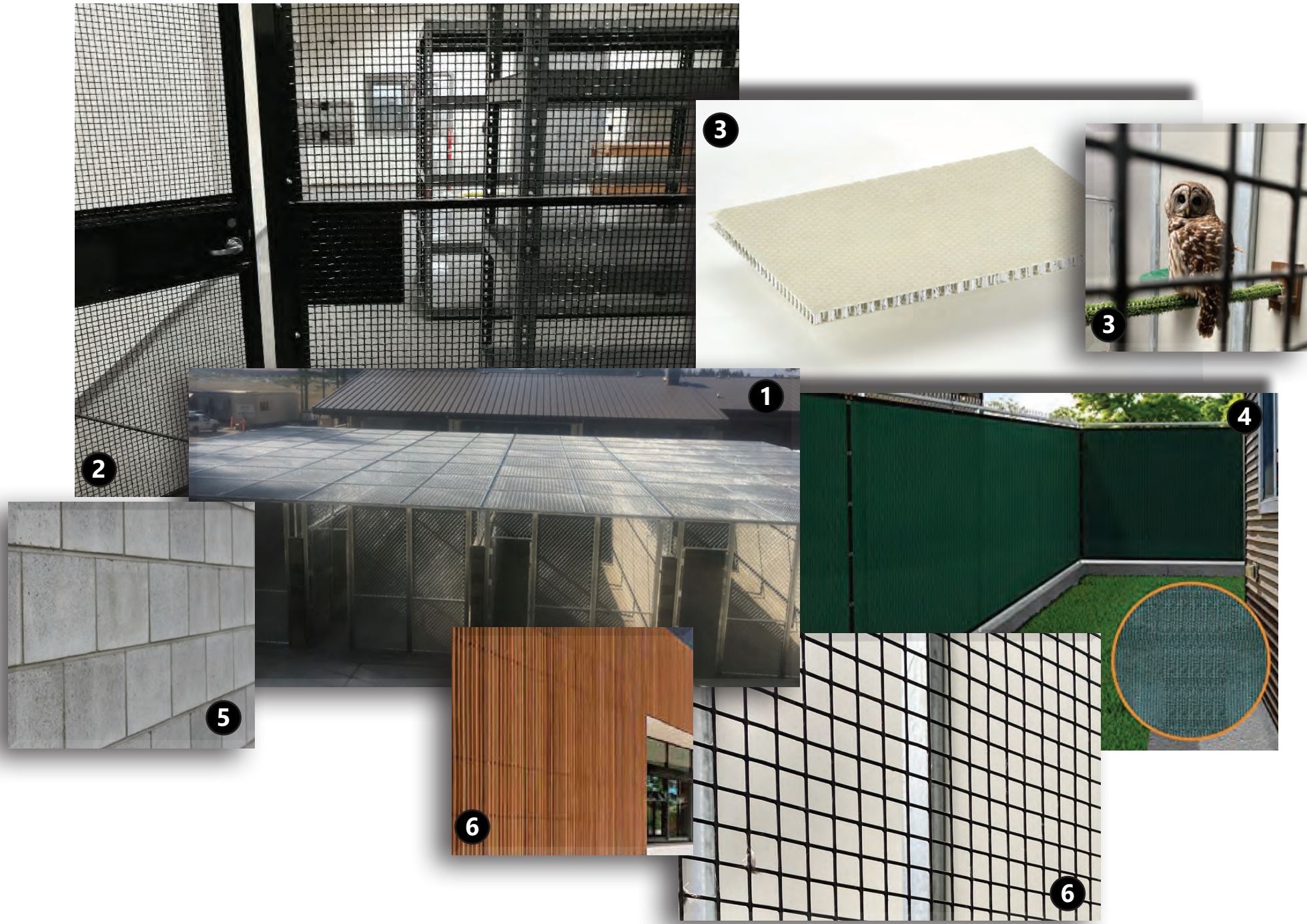
Visitor touchpoints include large digital display, window rails with static or digital interfaces, informational window panels, modular slat display walls, and wingspan and map interactives. Live-edge benches and environmental graphics complete the exhibit space.



OUTDOOR REHABILITATION



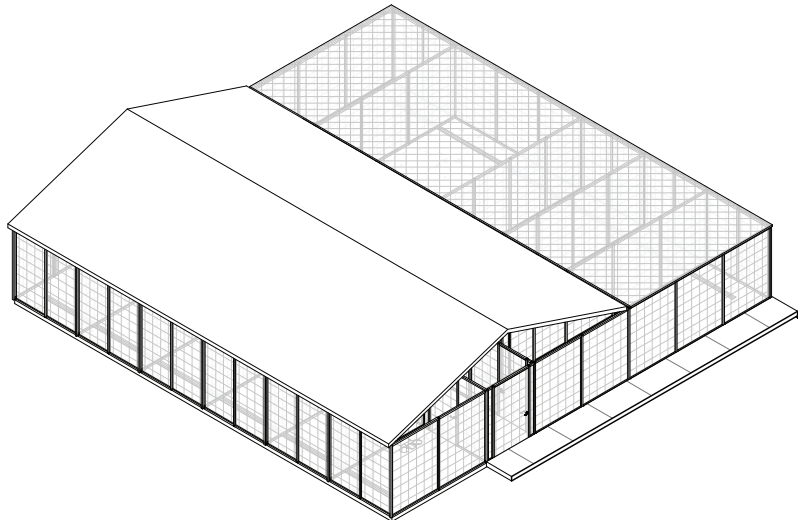
# OUTDOOR REHABILITATION MATERIALS



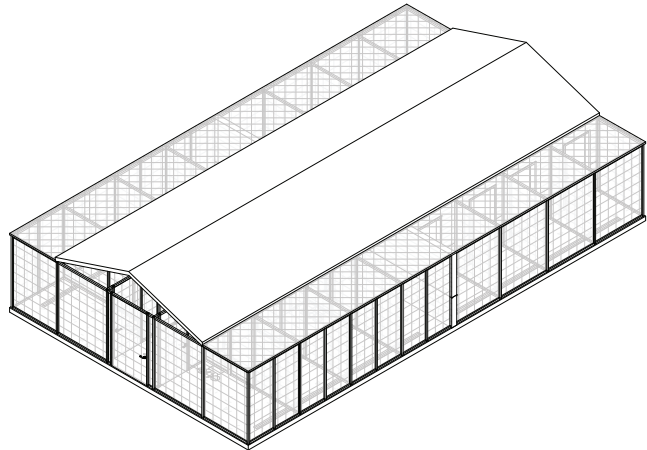
- 1 LARGE CHAIN LINK MESH
- 2 1/2" X 1/2" HARDWARE CLOTH
- 3 FIBER GLASS PRIVACY PANELS
- 4 PRIVACY CANVAS SHADE CLOTH
- 5 INSULATED BLOCK
- 6 SLAT CLADDING SYSTEM



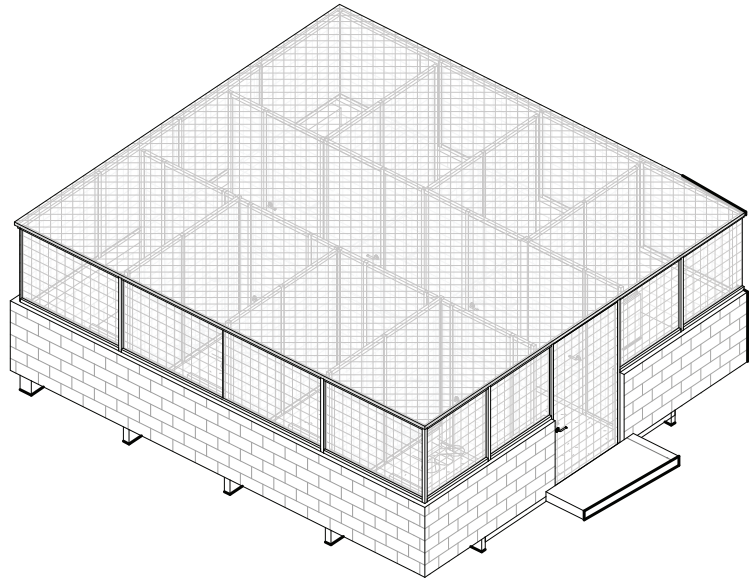
OUTDOOR REHABILITATION  
**OUTDOOR ENCLOSURE - AXON VIEWS**



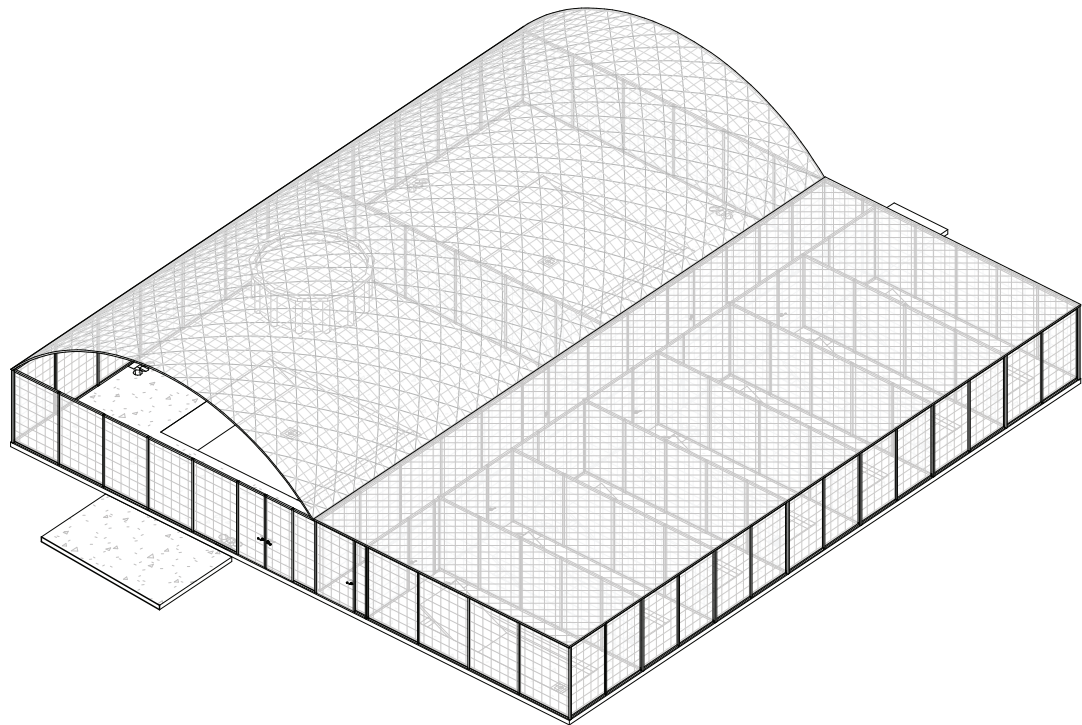
**A** AXON - SONG BIRDS  
 \*FRP PANELS



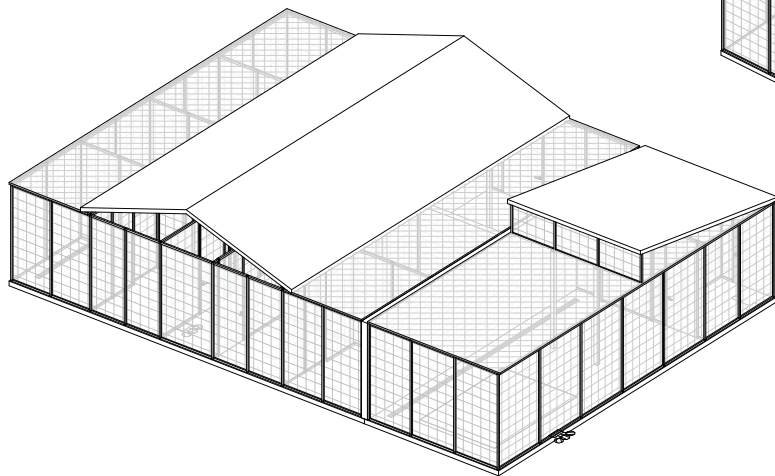
**B** AXON - RESIDENT SONG BIRD HOUSE  
 \*FRP PANELS



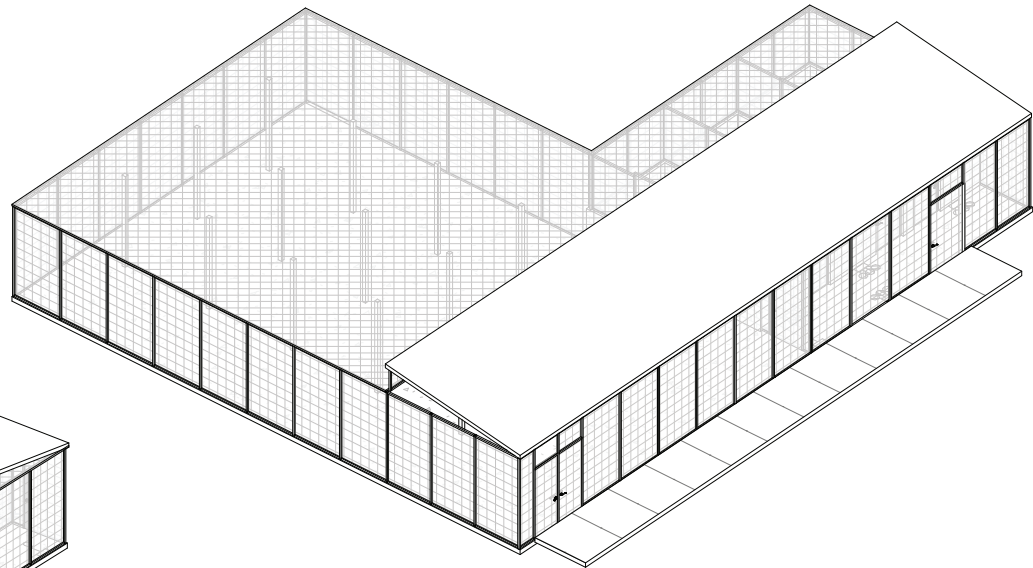
**C** AXON - TURTLE ENCLOSURE  
 \*DEPRESSED PONDS AND CURBS/SAND  
 \*4' CMU BASE  
 \*SQUARE MESH



**D/E** AXON - AQUATIC MAMMAL PONDS  
 \*16' ROOF HEIGHT  
 \*POND FILTRATION / HEATING WITH SHED ENCLOSURE  
 \*DIVING POOL UNIT INFRASTRUCTURE  
 \*SQUARE MESH @ DAY DUCK AQUATIC MAMMAL



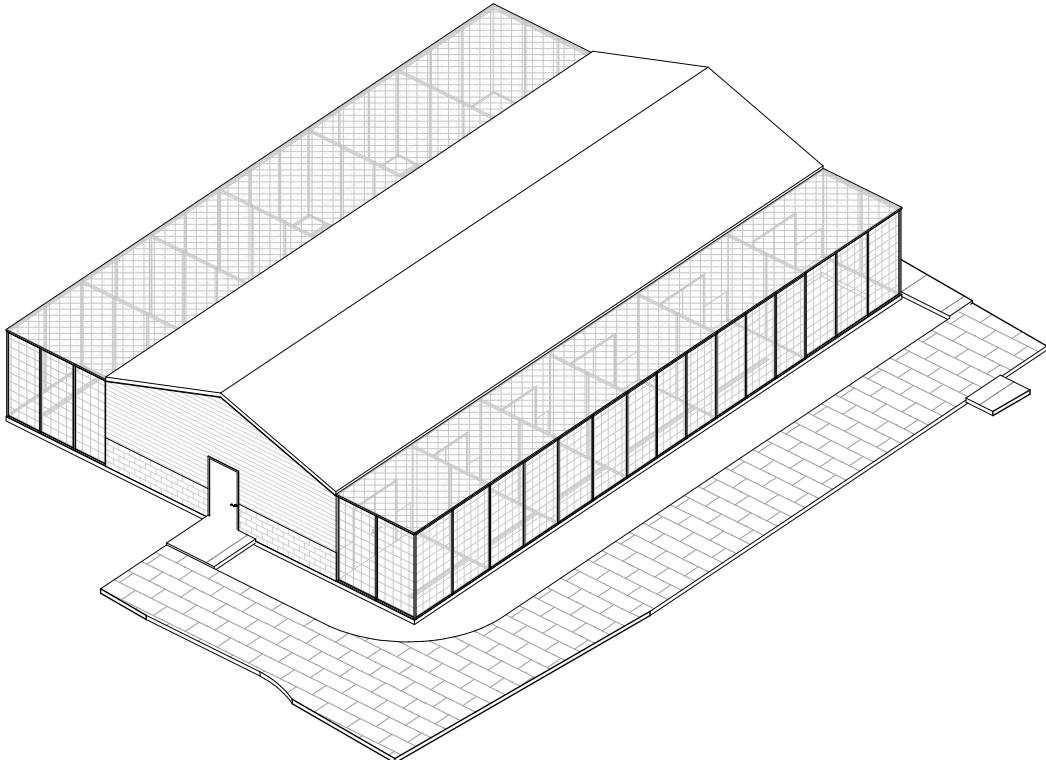
**G** AXON - RACCOON/MAMMAL  
 \*CMU SEPARATION



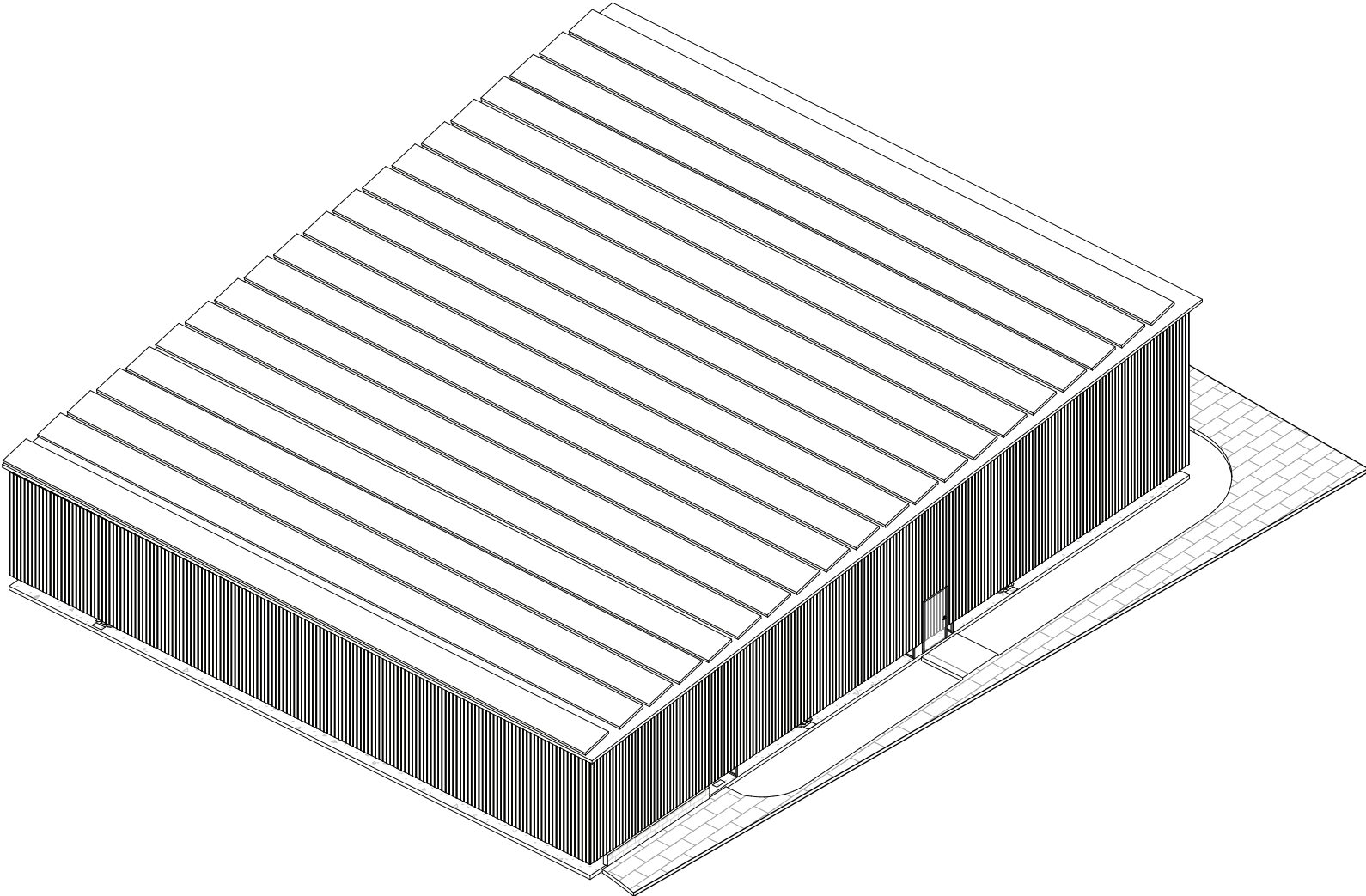
**I** AXON - CARNIVORE  
 \*CMU 4' BASE @ TRANSITIONAL AREA



OUTDOOR REHABILITATION  
**OUTDOOR ENCLOSURE - AXON VIEW**



**H** AXON - RAPTOR (H)



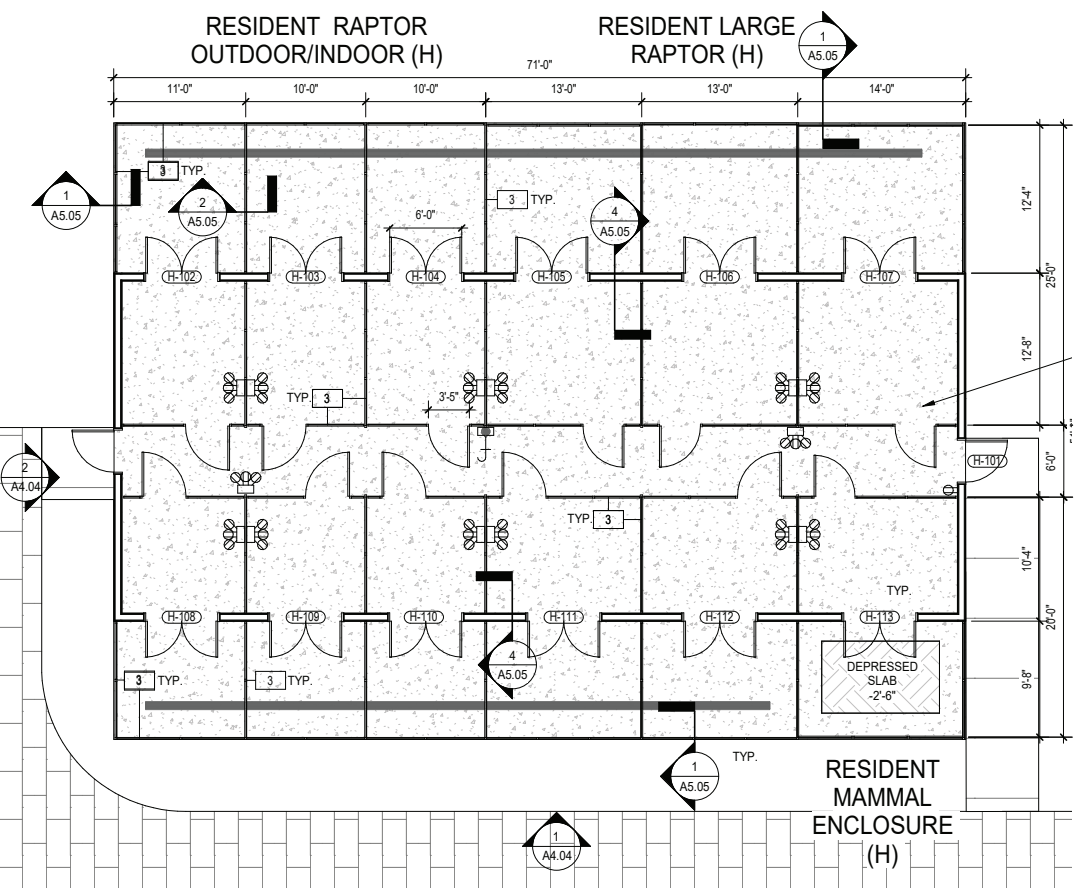
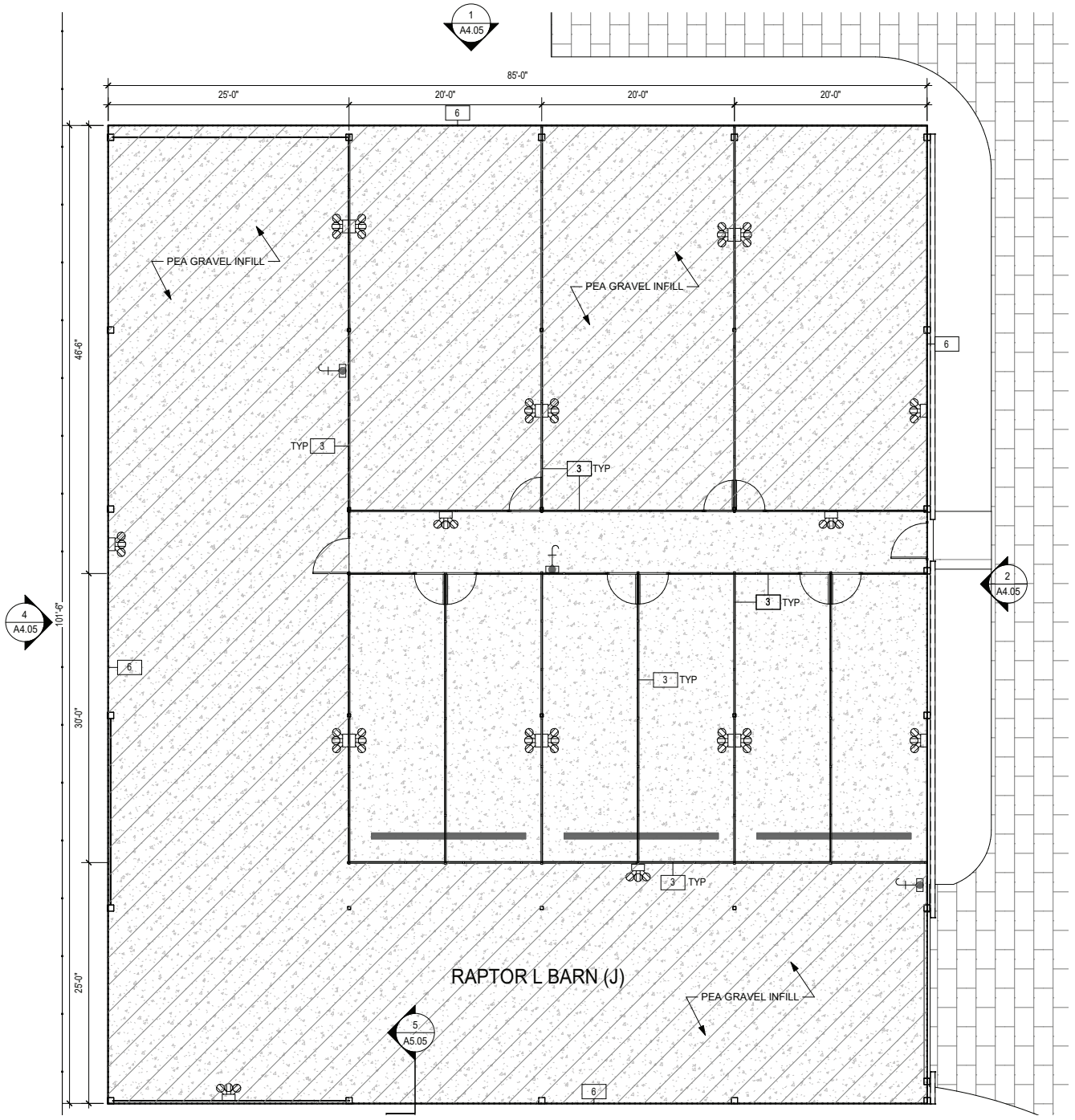
**J** AXON - "L" BARN (J)







# OUTDOOR REHABILITATION RAPTORS







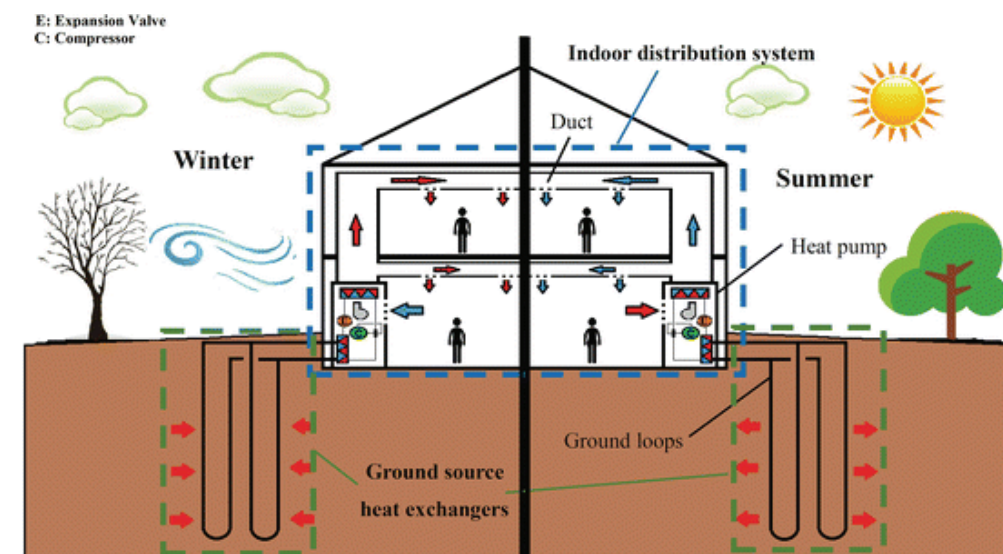
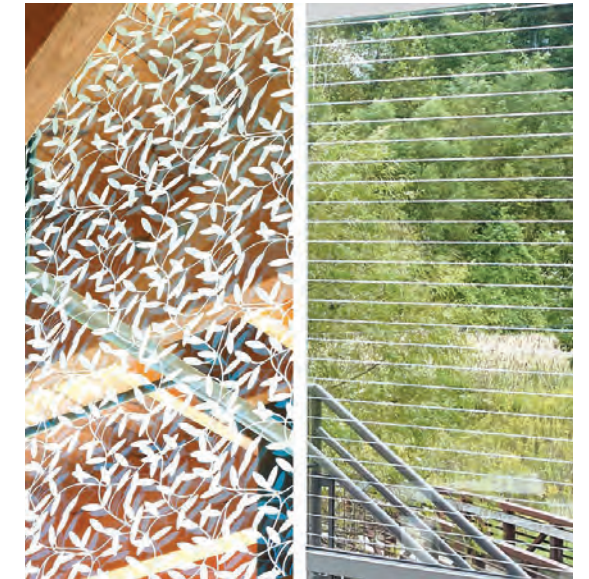


SUSTAINABILITY

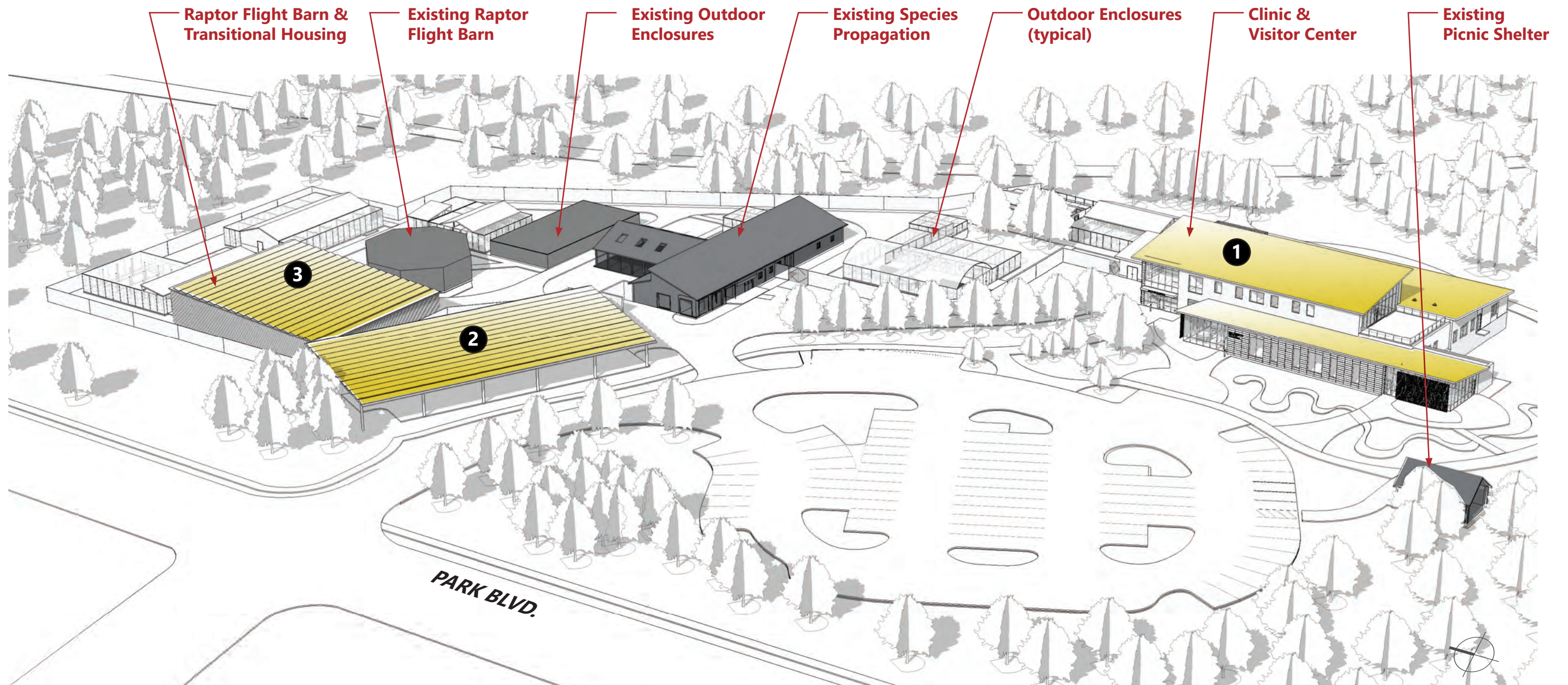


**Features included within the current project scope:**

- NATIVE & DROUGHT TOLERANT PLANTINGS
- BMPS FOR STORM WATER POLLUTION PREVENTION AND RAINWATER CONTROL
- HEAT ISLAND REDUCTION
- BIRD FRIENDLY GLASS
- HIGH PERFORMANCE BUILDING ENVELOPE
- DAYLIGHT & VIEWS OPTIMIZATION
- LOW-VOC MATERIALS
- RECYCLED MATERIALS
- LOW EMBODIED CARBON MATERIALS
- HIGH EFFICIENCY MECHANICAL SYSTEMS
- LOW-FLOW PLUMBING FIXTURES
- REDUCED LIGHTING POWER DENSITY
- DARK SKY LIGHTING DESIGN
- PHOTO VOLTAIC PANELS
- GEOTHERMAL
- DAILY AND SEASONAL SET-BACKS / SYSTEM CONTROLS
- EV CHARGING STATIONS
- RAINWATER HARVESTING (ALTERNATE)





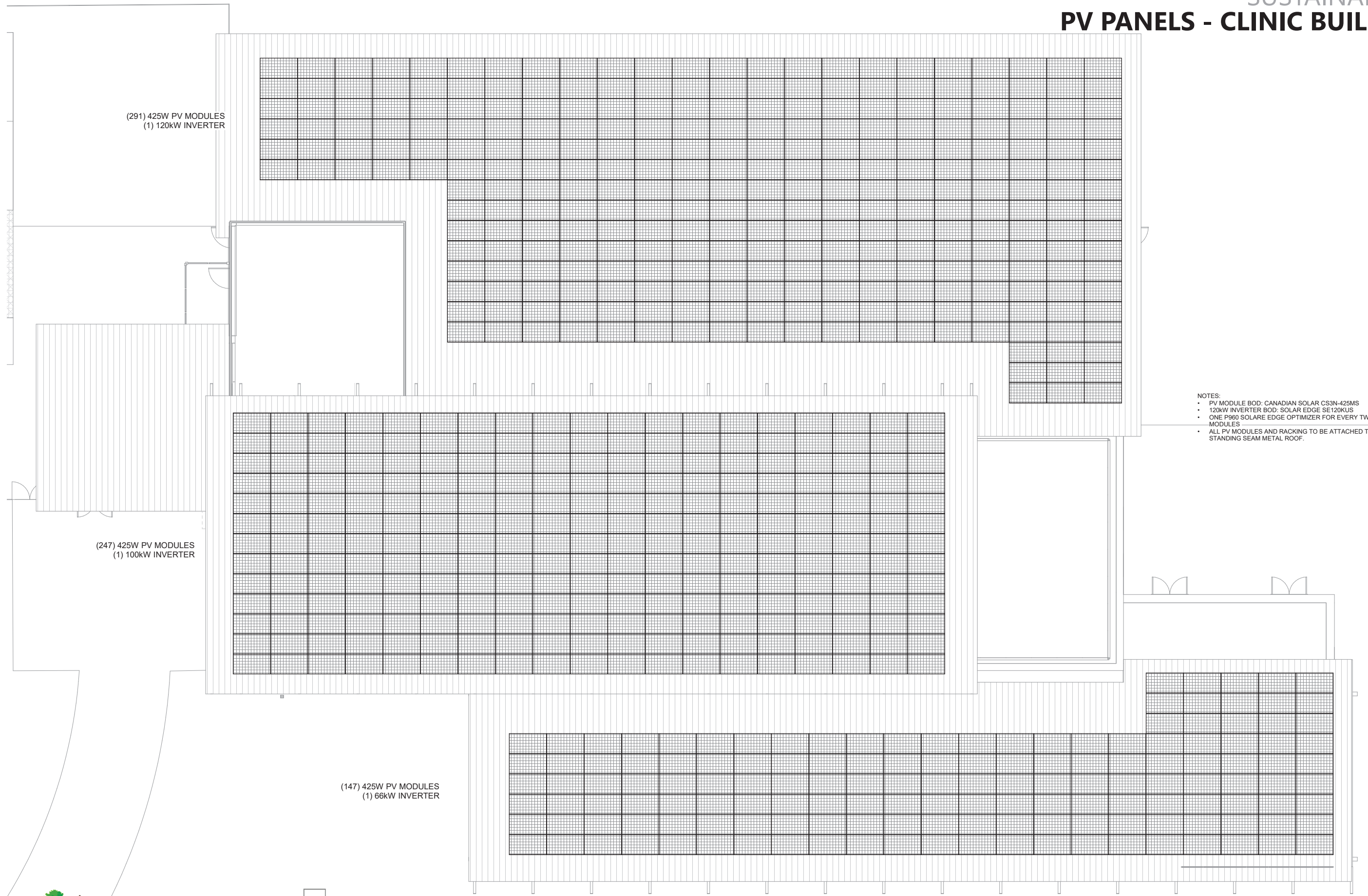


**PV LOCATIONS:**

- 1** CLINIC ROOF
- 2** STAFF PARKING CANOPY
- 3** RAPTOR BARN ROOF (PV-READY)



SUSTAINABILITY  
PV PANELS - CLINIC BUILDING



(291) 425W PV MODULES  
(1) 120kW INVERTER

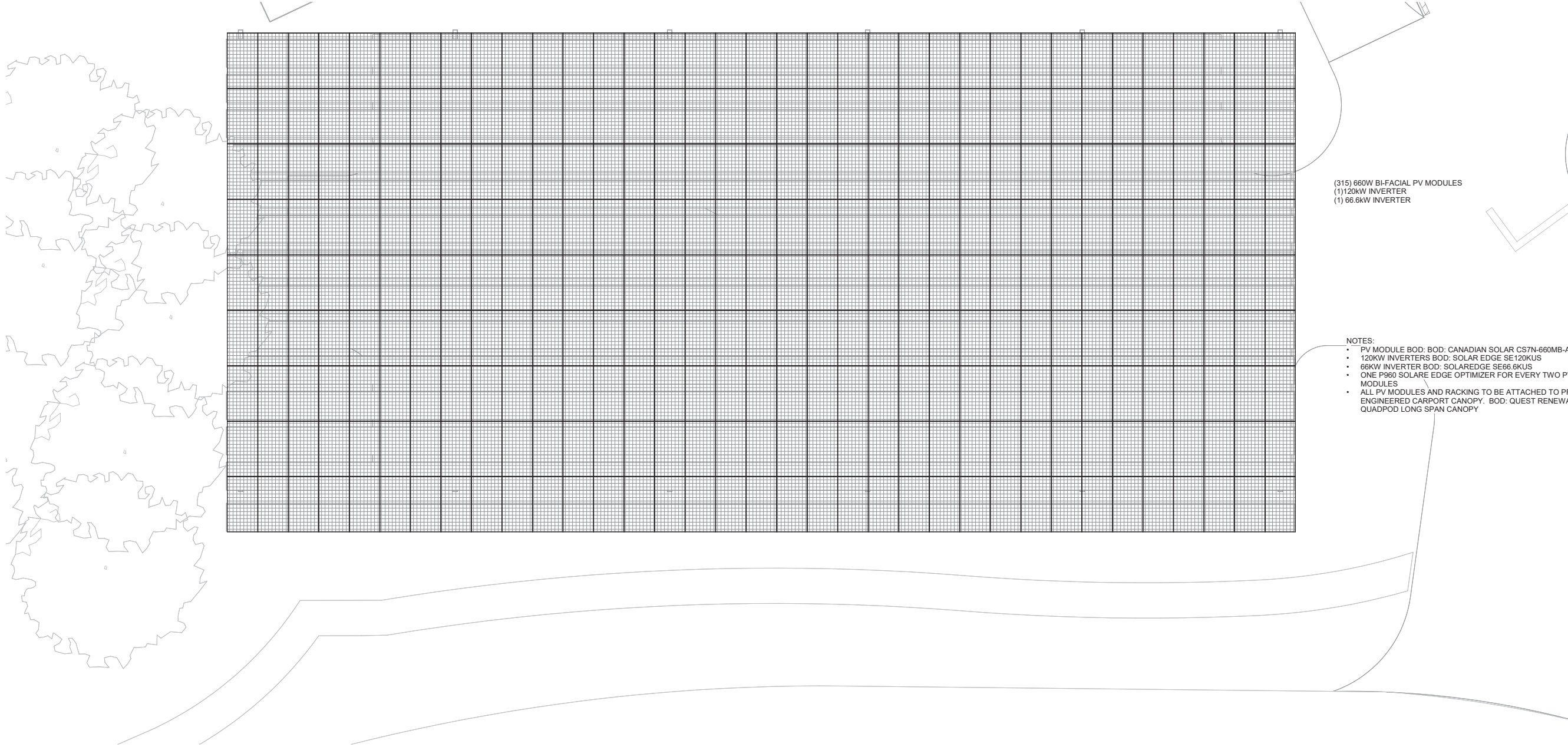
(247) 425W PV MODULES  
(1) 100kW INVERTER

(147) 425W PV MODULES  
(1) 66kW INVERTER

- NOTES:
- PV MODULE BOD: CANADIAN SOLAR CS3N-425MS
  - 120kW INVERTER BOD: SOLAR EDGE SE120KUS
  - ONE P960 SOLARE EDGE OPTIMIZER FOR EVERY TWO PV MODULES
  - ALL PV MODULES AND RACKING TO BE ATTACHED TO STANDING SEAM METAL ROOF.

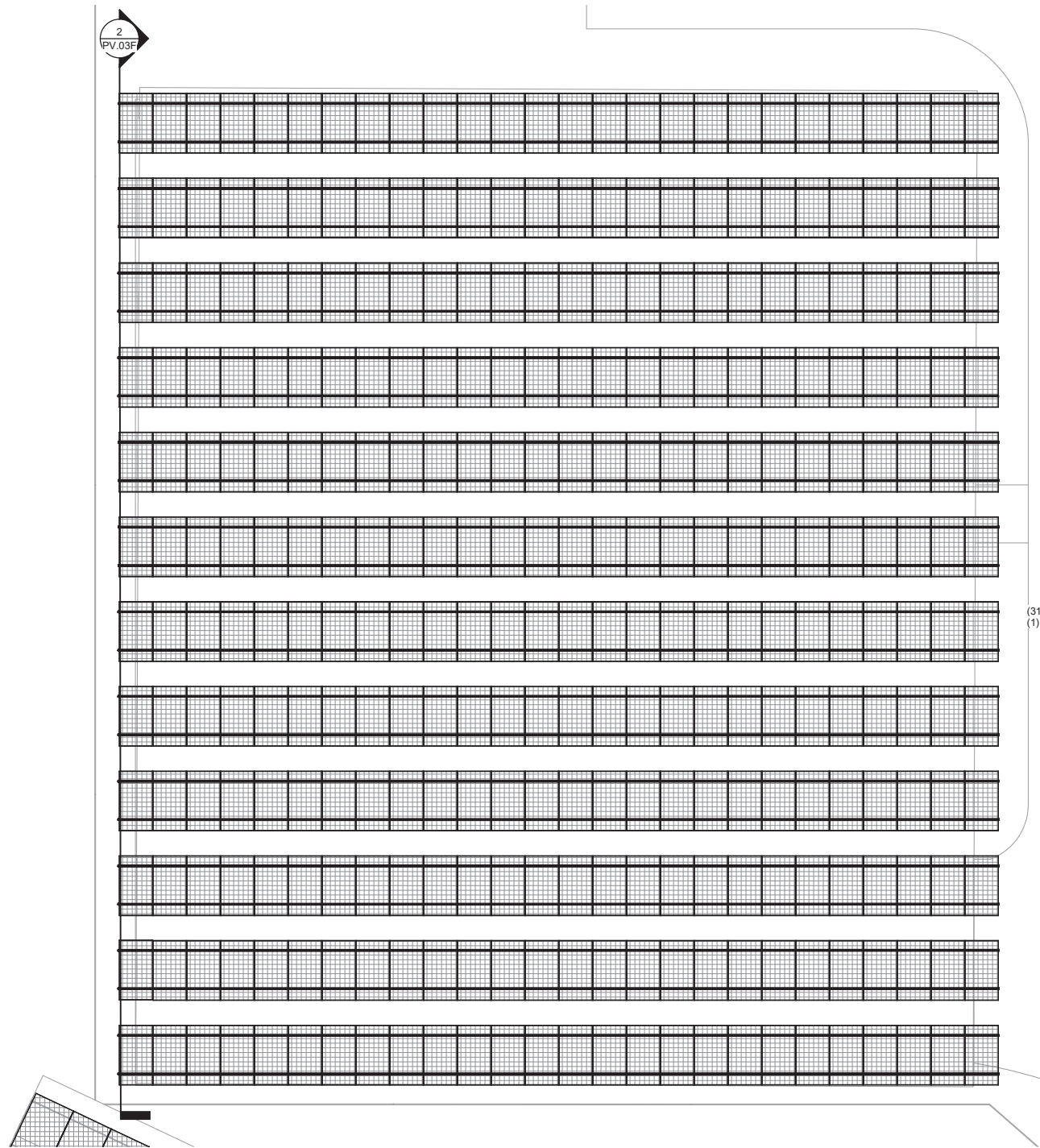


# SUSTAINABILITY PV PANELS - STAFF PARKING



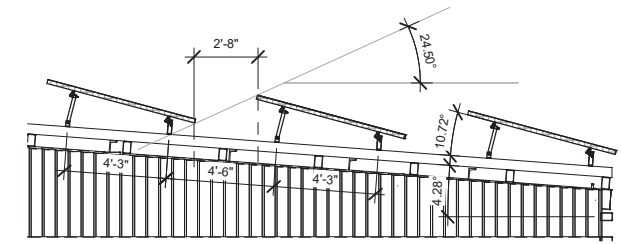
1 PHOTOVOLTAIC PLAN - STAFF PARKING LOT  
SCALE: 1/8" = 1'-0"





(312) 425W PV MODULES  
 (1) 120KW INVERTER

- NOTES:
- PV MODULE BOD: CANADIAN SOLAR CS3N-425MS
  - INVERTER BOD: SOLAR EDGE SE120KUS
  - ONE P960 SOLARE EDGE OPTIMIZER FOR EVERY TWO PV MODULES
  - RACK BOD: IRONRIDGE XR1000 WITH TILT LEGS
  - ALL PV MODULES AND RACKING TO BE ATTACHED TO AN ARCHTECTURE STEEL SUPPORT STRUCTURE



**1** PHOTOVOLTAIC ROOF PLAN - AREA F  
 SCALE: 1/8" = 1'-0"

**2** ARRAY SECTION  
 SCALE: 1/4" = 1'-0"



Y	?	N		
1			Credit	Integrative Process

<b>2</b>	<b>1</b>	<b>13</b>	<b>Location and Transportation</b>		<b>16</b>
		0	Credit	LEED for Neighborhood Development Location	16
1			Credit	Sensitive Land Protection	1
		2	Credit	High Priority Site	2
		5	Credit	Surrounding Density and Diverse Uses	5
		5	Credit	Access to Quality Transit	5
	1		Credit	Bicycle Facilities	1
		1	Credit	Reduced Parking Footprint	1
1			Credit	Green Vehicles	1

<b>8</b>	<b>1</b>	<b>0</b>	<b>Sustainable Sites</b>		<b>10</b>
Y			Prereq	Construction Activity Pollution Prevention	Required
1			Credit	Site Assessment	1
1			Credit	Site Development - Protect or Restore Habitat	2
1			Credit	Open Space	1
2	1		Credit	Rainwater Management	3
2			Credit	Heat Island Reduction	2
1			Credit	Light Pollution Reduction	1

<b>6</b>	<b>3</b>	<b>2</b>	<b>Water Efficiency</b>		<b>11</b>
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
2			Credit	Outdoor Water Use Reduction	2
3	3		Credit	Indoor Water Use Reduction (35% 3pts, 40-50% 4-6pts)	6
		2	Credit	Cooling Tower Water Use	2
1			Credit	Water Metering (2 submeters; boiler, reclaimed, washout)	1

<b>25</b>	<b>6</b>	<b>2</b>	<b>Energy and Atmosphere</b>		<b>33</b>
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
4	2		Credit	Enhanced Commissioning (+1 for MBCx)	6
18			Credit	Optimize Energy Performance (38% 15pts, 42-50% 16-18pts)	18
	1		Credit	Advanced Energy Metering	1
		2	Credit	Demand Response	2
3			Credit	Renewable Energy Production (10% 3pts)	3
	1		Credit	Enhanced Refrigerant Management (confirm no VRF)	1
	2		Credit	Green Power and Carbon Offsets	2

<b>7</b>	<b>1</b>	<b>5</b>	<b>Materials and Resources</b>		<b>13</b>
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
		5	Credit	Building Life-Cycle Impact Reduction	5
2			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
1	1		Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
2			Credit	Building Product Disclosure and Optimization - Material Ingredients	2
2			Credit	Construction and Demolition Waste Management	2

<b>9</b>	<b>5</b>	<b>2</b>	<b>Indoor Environmental Quality</b>		<b>16</b>
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
2			Credit	Enhanced Indoor Air Quality Strategies	2
3			Credit	Low-Emitting Materials	3
1			Credit	Construction Indoor Air Quality Management Plan	1
1		1	Credit	Indoor Air Quality Assessment	2
1			Credit	Thermal Comfort	1
1	1		Credit	Interior Lighting	2
	3		Credit	Daylight	3
	1		Credit	Quality Views	1
		1	Credit	Acoustic Performance	1

<b>4</b>	<b>2</b>	<b>0</b>	<b>Innovation</b>		<b>6</b>
3	2		Credit	Innovation	5
1			Credit	LEED Accredited Professional	1

<b>1</b>	<b>1</b>	<b>2</b>	<b>Regional Priority</b>		<b>4</b>
1			Credit	Regional Priority: Enhanced IAQ (2pts)	1
		1	Credit	Regional Priority: Advanced Energy Metering/Protect or Restore Habitat	1
	1		Credit	Regional Priority: Rainwater Management (3pts)	1
		1	Credit	Regional Priority: High Priority Site/Building Life-cycle	1

<b>63</b>	<b>20</b>	<b>26</b>	<b>TOTALS</b>		<b>Possible Points: 110</b>
<b>Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110</b>					

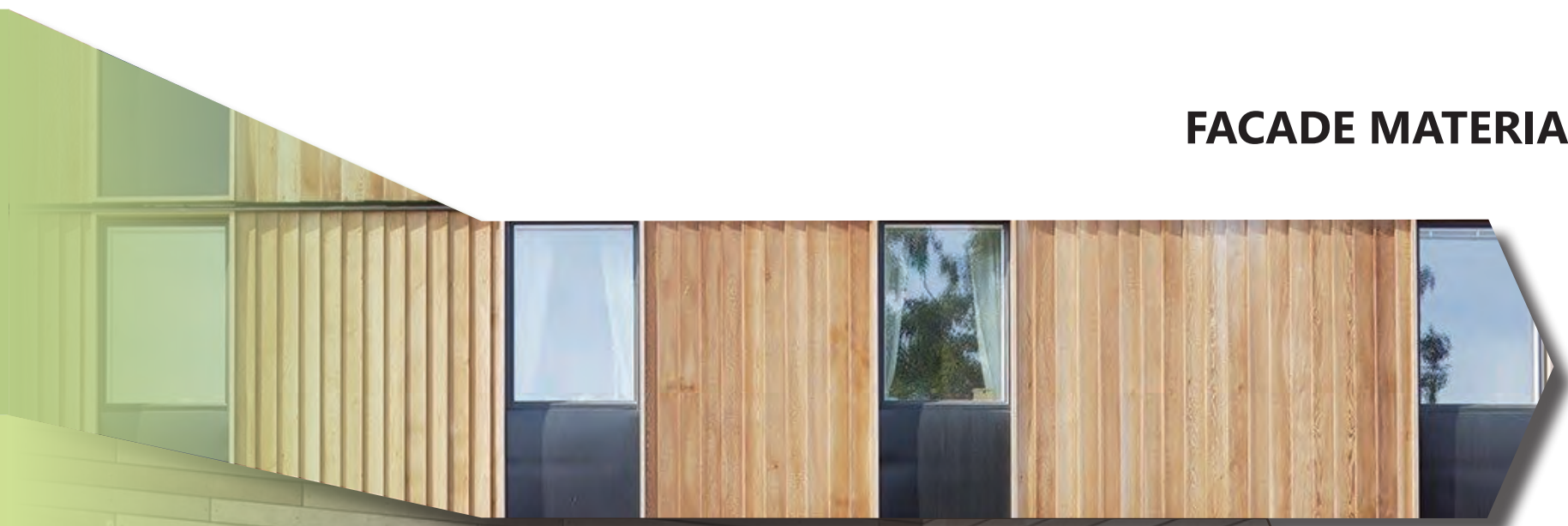





# FACADE MATERIALS - EMBODIED CARBON

WOOD PANEL  
CLADDING

3% 




FIBER CEMENT  
BOARDS

28% 



METAL COMPOSITE  
PANEL

54% 



CLAY BRICK

15% 



## CRADLE TO GATE MATERIAL PRODUCTION

### 1 RAW MATERIAL SUPPLY

-EXTRACTION AND PROCESSING OF RAW MATERIALS AND PACKAGING USED TO PRODUCE MATERIAL

### 2 TRANSPORTATION

-TRANSPORT OF RAW MATERIALS AND PACKAGING FROM SOURCE TO PRODUCTION SITE

### 3 MANUFACTURING

-CONSUMPTION OF ENERGY AND WATER REQUIRED TO PRODUCE  
-EMISSIONS AND WASTES GENERATED FROM PRODUCING FINAL PRODUCT



APPENDIX



Specification sheet

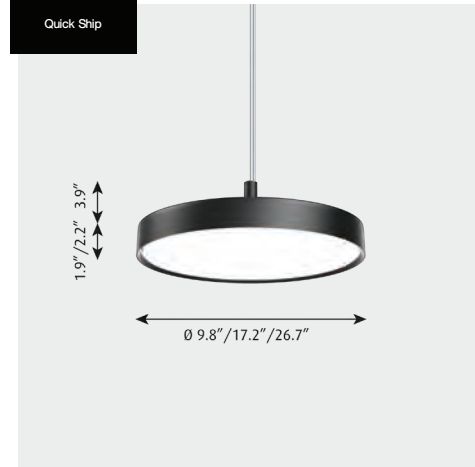
1/3

# LP Slim Round Suspended

Project name:

Project type:

Notes:



## Design

Louis Poulsen A/S

## Product description

A series of low profile, circular luminaires scaling from small to large diameters with a thin metal rim. The diffuser is uniformly illuminated. The top cover has a thin gap at the outer edge for an upward accent glow. The lower, inside edge of the housing is contoured to provide a slight transition from dark to light regions. Part of a family with a range of mounting options. Available in four colors and three sizes.

## Variant options

Dimension	Color	Light source	Lumen	Voltage frequency	Lighting control
17.2 IN	● Black	13W LED/3000K	1092	120-277V/60HZ	Dali kelvin adjustable
26.7 IN	● Dark aluminum raw	13W LED/3500K	1254		Dim 0-10v
9.8 IN	○ White	25W LED/3000K	2404		
		25W LED/3500K	2659		
		54W LED/3000K	5861		
		54W LED/3500K	6262		
		KELVIN ADJUSTABLE			

## Specification notes

- a. 9.8 IN size available only in 13W.
- b. 17.2 IN size available only in 25W.
- c. 26.7 IN size available only in 54W.



© Louis Poulsen 2019

[louispoulsen.com](http://louispoulsen.com)



## FEATURES & SPECIFICATIONS

**INTENDED USE** — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

**CONSTRUCTION** — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without. Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

**OPTICS** — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

Models with wide diffuse lens provide up to 12% uplight. Please check the IES file for specific uplight value.

**ELECTRICAL** — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR ordering information on page 14.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 6 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided. L70>100,000 hours at 25°C.

LEDs provide nominal 80 CRI or 90 CRI at 3000 K, 3500 K, 4000 K, or 5000 K. Lumen output up to 2,500 lumens per foot.

**INSTALLATION** — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropriate mounting options.

**WARNING** — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

**LISTINGS** — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages (See ambient temperature chart for additional information). DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

**BUY AMERICAN** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC QPL Product ID	DLC Premium
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816	PJANKZR4	Yes
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885	PKW32VKL	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939	P7718Z20	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908	P8A42C1H	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861	PPFTGRBV	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915	PW6250TE	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922	PYKOC7EW	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830	PKYPL35K	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960	PJANKZR4	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892	PKW32VKL	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854	P7718Z20	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946	P8A42C1H	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878	PPFTGRBV	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823	PDOSSIAD	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525953	PYKOC7EW	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847	PKYPL35K	Yes

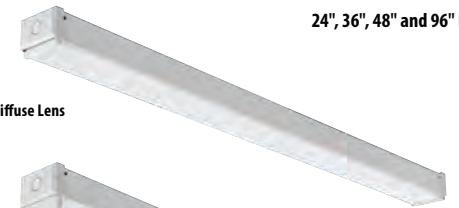
Catalog Number
Notes
Type

LED Linear

# CLX

24", 36", 48" and 96" Lengths

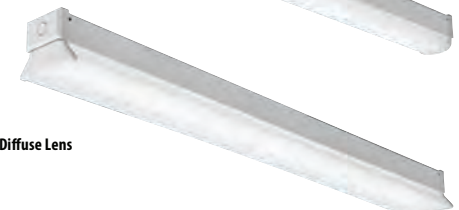
Flat Diffuse Lens



Round Diffuse Lens



Wide Diffuse Lens



## Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks marked by a shaded background\*

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

COMMERCIAL INDOOR

CLX  
Page 1 of 14

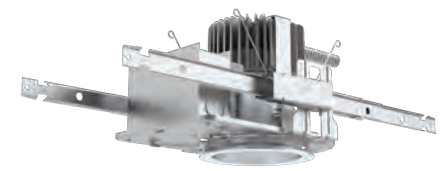
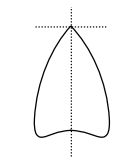




Luminaire Type:   
Catalog Number:



**gotham** | EVO®  
Multiple Layers of Light



## General Illumination Round Downlight 4"

OVERVIEW

### Feature Set

- Bounding Ray™ optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- ENERGY STAR® certified product

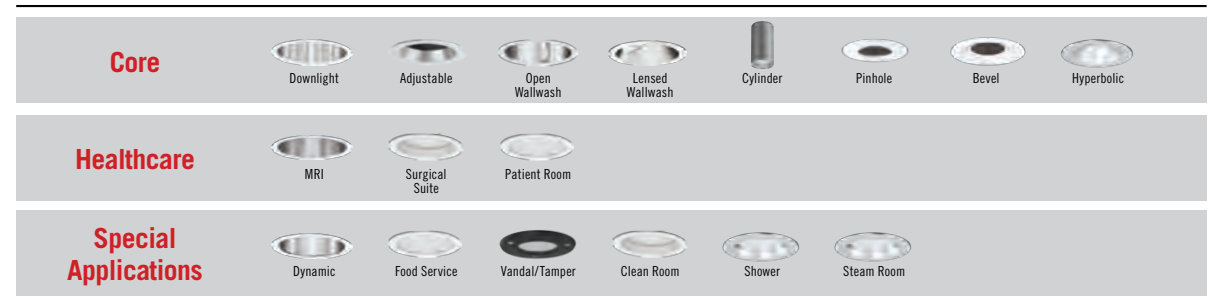
### Distribution



### Superior Performance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500
Delivered Lumens	271	573	808	1001	1527	1994	2580	3110	3612
Wattage	3.1	7.2	7.9	8.8	13.7	19.5	25.7	31.2	38.4
Lumens per Watt	87.4	79.6	102.3	113.8	111.5	102.3	100.4	99.7	94.1

### Coordinated Apertures | Multiple Layers of Light



COMPLEMENTARY PRODUCTS

## SCOUT 4049

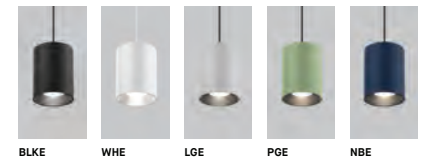
PROJECT PROJÉT

SPEC TYPE

NOTES



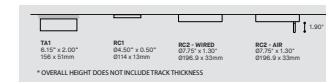
### FINISH FINI



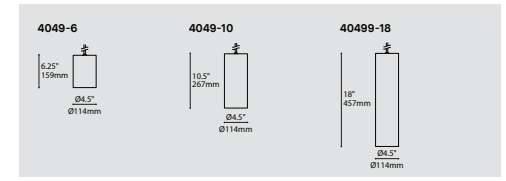
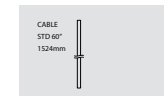
### OVERALL HEIGHT HAUTEUR HORS TOUT

	LED TRACK 1 CIRCUIT	LED 0.50' CANOPY	LED NIGHT 1.30' CANOPY
MOUNTING	2734E	2471C	2474H
CABLE & 4049-6	66.95"	69.70"	70.50"
CABLE & 4049-10	71.20"	73.95"	74.75"
CABLE & 4049-18	76.70"	81.45"	82.25"

### MOUNTING OPTIONS OPTIONS DE MONTAGE



### STEM OR CABLE OPTION OPTIONS DE TIGE OU CABLE



[QUICKSHIP](#) [CLICK HERE / CLIQUEZ ICI](#)

### ORDERING SPECIFICATION SPÉCIFICATION DE COMMANDE

MODEL MODÈLE	CODE
4049-6	SCOUT 6"
4049-10	SCOUT 10"
4049-18	SCOUT 18"

LIGHT SOURCE SOURCE LUMINEUSE	LED
REGULAR OUTPUT	REGULAR OUTPUT
HIGH OUTPUT	HIGH OUTPUT

COLOR TEMPERATURE TEMPÉRATURE DE COULEUR	27*	30	35	40
2700K	2700K	3000K	3500K	4000K

\*LONGER LEAD TIME MAY APPLY, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE

COLOR RENDERING INDEX (CRI) INDICE DE RENDU DE COULEUR (IRC)	80	90*
80+ CRI	80+ CRI	90+ CRI

\*LONGER LEAD TIME MAY APPLY, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE

VOLTAGE VOLTAGE	100V	277V*
120 VOLT	120 VOLT	277 VOLT

\*NOT AVAILABLE FOR TRACK ADAPTOR

CONTROL OPTION OPTION DE CONTRÔLE	DP**	DP	NLTAIR2*	NLIGHT*
0-10V DIMMING (120V-277V)	0-10V DIMMING (120V-277V)	PHASE DIMMING (120V ONLY)	NLIGHT AIR CONTROL GEN 2	NLIGHT WIRED CONTROL

\* REQUIRES R62 CANOPY  
\* EMERGENCY BATTERY NOT AVAILABLE WITH NLIGHT OPTIONS  
REFER TO NLIGHT GUIDE AND INSTALLATION SHEET FOR ALL REQUIREMENTS.  
\*\*NOT AVAILABLE FOR TRACK ADAPTOR

EMERGENCY BATTERY BATTERIE D'URGENCE	EMB*
COMPATIBLE WITH RC MOUNTING ONLY. FOR 120-277V, EM DRIVER BOX INCLUDED, INSTALLED REMOTELY. SEE EM GUIDE FOR DETAILS. WITH DIV DIMMING OPTION (FOR 4049-10 & 4049-18) AN ADDITIONAL POWERCABLE WILL DROP FROM CEILING NEXT TO MAIN CABLE.	EMERGENCY BATTERY FOR REMOTE BOX

\* 3981EA ACCESSORY IS REQUIRED

BEAM ANGLE ANGLE DE FAISCEAU	NA	ME	WI
NARROW (28°)	NARROW (28°)	MEDIUM (48°)	WIDE (64°)

OPTICAL ACCESSORIES ACCESSOIRES OPTIQUES	CLR	FRO	HON	SOL
CLEAR GLASS LENS	CLEAR GLASS LENS	FROSTED GLASS LENS	HONEYCOMB LOUVER	SOLITE SOFTENING LENS

CABLE CABLE	C
BLACK OR WHITE CABLE, FIELD ADJUSTABLE **FOR WHITE STRUCTURE: WHITE CABLE, FOR OTHER STRUCTURE FINISH: BLACK CABLE	C

CABLE LENGTH LONGUEUR DE CABLE	60	**
60" CABLE (STD LENGTH) CUSTOM CABLE LENGTH (PLEASE SPECIFY) FOR OVERALL LENGTH, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE	60"	**

MOUNTING MONTAGE	RC1*	RC2	TA1
ROUND CANOPY / PAVILLON ROND SCREWLESS 0.5' CANOPY (2471C)	ROUND CANOPY / PAVILLON ROND SCREWLESS 0.5' CANOPY (2471C)	NIGHT SCREWLESS CANOPY Ø7.75" X 1.30" (2474H)	TRACK ADAPTOR / ADAPTEUR DE RAIL 1 CIRCUIT LED DIMMING 120V ADAPTOR (2734E)

\* 3983 ACCESSORY PROVIDED FOR 4049-6 WITH 2471C CANOPY

TRACK ADAPTOR FINISH FINI ADAPTEUR DE RAIL (A)	BLK	WH
BLACK	BLACK	WHITE

\*\* FILL IN IF A TRACK ADAPTOR IS SELECTED, OTHERWISE LEAVE EMPTY

CANOPY FINISH FINI PAVILLON (B)	BLKE	WHE
BLACK FINE TEXTURE	BLACK FINE TEXTURE	WHITE FINE TEXTURE

\*\* FILL IN IF A CANOPY IS SELECTED, OTHERWISE LEAVE EMPTY

CYLINDER FINISH FINI CYLINDRE	BLKE	WHE	LGE	PGE	NBE	ITAL*
BLACK FINE TEXTURE	BLACK FINE TEXTURE	WHITE FINE TEXTURE	LIGHT GREY FINE TEXTURE	PALE GREEN FINE TEXTURE	NAVY BLUE FINE TEXTURE	PLEASE SPECIFY ITAL CODE

\*LONGER LEAD TIME MAY APPLY, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE

BAFFLE FINISH FINI DÉFLECTEUR	BLKE	WHE
BLACK FINE TEXTURE	BLACK FINE TEXTURE	WHITE FINE TEXTURE

ACCESSORY ACCESSOIRE	3983	3981EA
DEEP JUNCTION BOX (PROVIDED FOR 4049-6 WITH CANOPY)	DEEP JUNCTION BOX (PROVIDED FOR 4049-6 WITH CANOPY)	ELECTRICAL BOX FOR EMB EMERGENCY BATTERY

**EUREKA** SPECIFICATION







**DIGITAL NAVIGATION**

[Ordering Tree](#) [nLight Platform](#) [Sensor Switch JOT](#) [Photometrics](#) [Performance Data](#) [Drawings](#)

**FEATURES & SPECIFICATIONS**

**INTENDED USE** — The EPANL Series LED Edge-Lit Flat Panel provides a fully luminous appearance across the face of the lens. This provides a soft, glare-free solution that is visually comfortable within the space. Suitable for many lighting applications including schools, offices and other commercial spaces, retail, convenience stores, hospitals and healthcare facilities. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Built to last with an aluminum frame for strength and durability, the seamless frame prevents light leak in the corners. The PMMA light guide plate and lens resists yellowing and transmits light with superior efficacy. The satin white lens provides excellent shielding and fully luminous appearance. EPANL's low-profile design provides increased installation flexibility especially in restricted plenum spaces. The back plate includes integral T-bar clips for installation into 15/16" or 9/16" T-grid ceilings. Fixture may be recessed, suspended, surface box mounted or mounted in a hard-ceiling see accessories section for more information. Fixture may be mounted and wired in continuous rows.

**Integrated Sensor (nLight Wired Networking):** This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software.

**Integrated Smart Sensor (nLight Air Wireless Platform):** The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY, which allows for simple sensor adjustment

**Integrated Wireless Sensor (single room control):** Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 7 for more details on the integrated wireless sensor.

**ELECTRICAL** — Long-life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. See page 3 for detailed lumen maintenance information. 0-10V dimming driver, dims to 1% or 10% and contains non-isolated dimming leads.

**LISTINGS** — CSA Certified to meet US and Canadian standards. Tested to meet UL1958. Intended for indoor use only. Product is not to be stored in non-climate controlled spaces. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. Damp location listed. IC rated. IP5X rated. Long nomenclature, configurable product is rated and certified to meet NSF Splash Zone 2. Tested in accordance with ISO 14644-1; suitable for ISO Class 5-9 positive and negative pressure clean rooms. Suitable for ambient temperatures from 32°F (0°C) to 77°F (25°C).

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Dimensions			
	1x4	2x2	2x4
Length	47.72"	23.70"	47.72"
Width	11.85"	23.70"	23.70"
Depth	2.19"	2.19"	2.19"
Weight	13.9 lbs	7.4 lbs	15.1 lbs

\* Base configurations; options may add weight

Catalog Number
Notes
Type

**EPANL LED**

1'x4', 2'x2', and 2'x4'



**Embed nLight controls today. Prepare for tomorrow.**

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

**A+ Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background\***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background\***

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Vandal-resistant, damp location LED troffer for general illumination of potentially physically abusive public spaces and environments such as such as locker rooms, recreational facilities, schools, supervised behavioral centers and other vandal prone areas

**Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location.** [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

**CONSTRUCTION** — The 20-gauge cold rolled steel housing, 18-gauge cold rolled steel door frame, tamper-resistant fasteners and polycarbonate lens stand-up to abuse. Swing-arms are 18 gauge, unpainted galvanized steel. Polycarbonate lens is UV stabilized and is available in two different thicknesses to meet demanding requirements. Number of visible door fasteners may vary. Tamper-resistant fasteners are TX15 security-type Torx® fasteners requiring a special tool or bit for access. Tool and bit are not included with fixture.

**Finish:** All CRS (cold rolled steel) parts are finished with electrostatically deposited, thermally set, polyester powder paint after fabrication.

**OPTICS** — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. Lumen maintenance of L80/60,000 hours, L70>100,000 hours.

**ELECTRICAL** — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified driver is standard. LED driver delivers dimming from a 0-10V control signal. Dims to 1% standard.

Luminaire Surge Protection Level: Designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015

**INSTALLATION** — Lay-in grid or in-ceiling sheet rock installation using swing-arms with range from 1" to 2" grid height. See drawings for other critical dimensions. Swing-arms are not intended to secure fixture without additional support. The VRTL utilizes tamper-resistant fasteners to prevent unauthorized access to luminaire. **A TX15 Security Torx Screwdriver or TX15 Security Torx® Bit is required** to remove the door and access the internal luminaire components for installation or service. The TX15 Security Torx® Screwdriver or bit is NOT SUPPLIED with fixture.

**LISTINGS** — CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750) or NOM certified. IC rated. Damp location listed standard. For use in ambient temperatures ranging from -4°F (-20°C) to 104°F (40°C) with the exception of 10000LM(1X4), 12000LM(2X2) and 20000LM(2X4). These lumen packages are for use in ambient temperatures ranging from -4°F (-20°C) to 77°F (25°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

**LED Recessed Vandal Resistant Troffer**

**VRTL**



(images with WL option)



**A+ Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

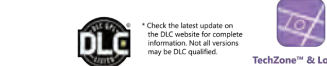
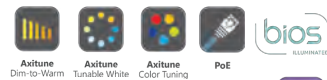
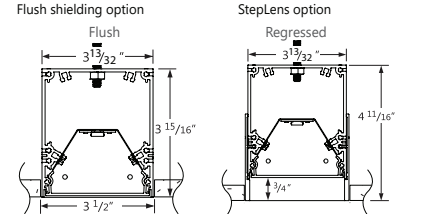
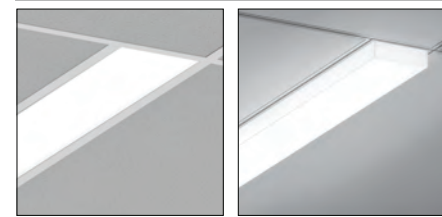
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks marked by a **shaded background\***

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



Beam 3 | Recessed - with StepLens option



Project \_\_\_\_\_  
Type \_\_\_\_\_  
Notes \_\_\_\_\_

PERFORMANCE PER LINEAR FOOT AT 4000K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
400 lm/ft	3.7 W/ft	109 lm/W
500 lm/ft	4.6 W/ft	108 lm/W
750 lm/ft	7.1 W/ft	105 lm/W
1000 lm/ft	9.7 W/ft	103 lm/W

\* Based on a 4 foot luminaire using one driver  
Please consult factory for custom lumen output and wattage.

Ordering Guide

PRODUCT ID	NOM. LUMENS/FT	CRI	COLOR TEMP. (choose one)	SHIELDING	LENGTH	
BMRLED Recessed LED	400 400 lm/ft - Min.	80 80 CRI*	27 2700 K	FL flush*	2' 2'	
	1000 1000 lm/ft - Max.	90 90 CRI**	30 3000 K	RG regressed*	3' 3'	
	700 700 lm/ft - for TC1680 with UB lens*			35 3500 K	0.25G 0.25" Glo lens*	4' 4'
				40 4000 K	1.25M 1.25" StepLens, lum. end cap*	5' 5'
			B30 3000 K - BIOS*	1.25P 1.25" StepLens, opaque end cap*	6' 6'	
			B35 3500 K - BIOS*	UB Ultra blend lens**	8' 8'	
			B40 4000 K - BIOS*	ASO asymmetric, flush only	12' 12'	
				BW batwing, flush only	S(L) system run*	
				NW narrow, flush only		
				GZ graze, flush only		
				WW wallwash, flush only		

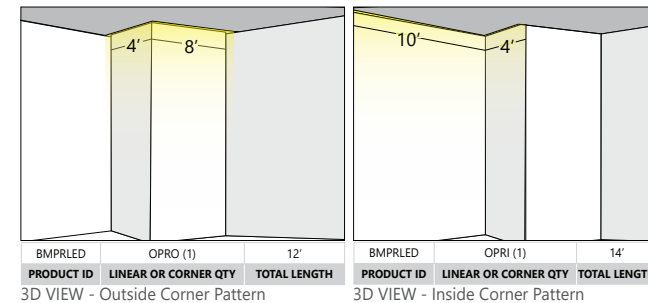
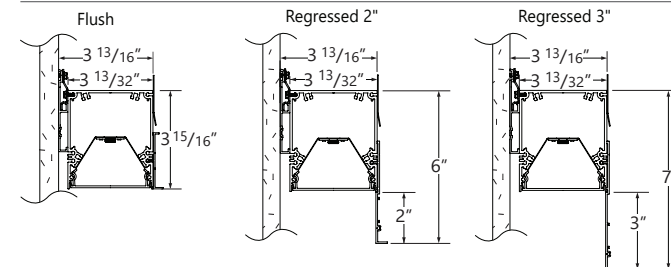
MR (OPTIONAL)	FINISH	VOLTAGE	DRIVER	CIRCUITS
M16(#) M16LED(#) M16LEDB(#)	W white C custom	120 120 V 277 277 V 347 347 V UNV universal DC low voltage*	DP dimming (0-10V) 1% LT(#) Lutron* BI bi-level dimming O(#) other** DPB(STC) dimming (0-10V) 1% with BIOS* DPB(DYN) Bio-dimming™ 100%-81% with BIOS* TW(#) tunable white drivers* CT(#) color tuning drivers* POE(#) POE drivers*	1 1 circuit 2 2 circuits +E(#) emergency circuit* +NL(#) night light circuit* +GTD(#) generator transfer device* +LDI LED downlight insert

\*Specify quantity; Line wattage only. Separate circuits included  
\*\*Consult factory; See page 4 for more details; M16 constant current for 0-10V & DALI only. Available in 3000K or 4000K.  
Available in luminaires with Axitone and BIOS but downlight modules will not be tunable white, color tuning, or BIOS LEDs.  
\*Only available with POE drivers.  
\*Specify system  
\*\*Please consult factory; see page 2  
\*Specify quantity

MOUNTING	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPT.)	CUSTOM (OPT.)
TB9 t-bar 9/16" TB15 t-bar 15/16" ST screw slot t-bar TG9 regular 9/16" TG15 regular 15/16" DF drywall flange D drywall flangeless DB slip-through bracket DS drywall spackle flange TX tx Hunter Douglas techstyle*	B(#) battery pack 4' sections	F fuse* EF end feed FW(#) flex whip (6' std) CP Chicago plenum HD hold-down clip** AR air return plate*** SR sprinkler plate*** SPK speaker plate***	DS(#) Daylight sensor OS(#) occupancy sensor DOS(#) Daylight & occupancy sensor EN(#) Enlighted integral* ENR(#) Enlighted remote** WC(#) wireless control dimming	C custom

\*TX available with flush lens only  
Not available with 347V. Please consult factory  
Not available with color tuning.  
\*Requires 120V or 277V  
\*\*Only available for t-bar mounting  
\*\*\*Please consult factory  
\*For flush and regressed option only; Please consult factory  
\*\*Please consult factory  
Specify quantity. Requires 8" blank.  
See integrated controls guide for more details.  
Not available with Color Tuning. Consult factory for Tunable White.  
Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.  
Please specify  
© 2016 Axis Lighting Inc.  
1.800.263.2947  
[T] 514.948.6272  
axislighting.com

BEAM3 LED PERIMETER PATTERN - RECESSED



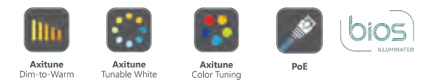
3D VIEW - Outside Corner Pattern 3D VIEW - Inside Corner Pattern

Project \_\_\_\_\_  
Type \_\_\_\_\_  
Notes \_\_\_\_\_

PERFORMANCE PER LINEAR FOOT AT 4000K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
400 lm/ft	3.6 W/ft	110 lm/W
500 lm/ft	4.6 W/ft	109 lm/W
750 lm/ft	7.0 W/ft	106 lm/W
1000 lm/ft	9.6 W/ft	104 lm/W

\* Based on a 4 foot luminaire using one driver  
Please consult factory for custom lumen output and wattage.



Ordering Guide

PRODUCT ID	CORNER QUANTITY	NOM. LUMENS/FT	CRI	COLOR TEMP. (choose one)
BMPRPLEDPAT Perimeter Recessed LED Pattern	OPRO (#) open shape recessed outside lit corner	300 300 lm/ft - Minimum 1000 1000 lm/ft - Maximum	80 80 CRI* 90 90 CRI**	27 2700 K 30 3000 K 35 3500 K 40 4000 K
	+OPRI (#) open shape recessed inside lit corner	700 700 lm/ft - for TC1680 with UB lens*		B30 3000 K - BIOS* B35 3500 K - BIOS* B40 4000 K - BIOS*

SHIELDING	REGRESSED POSITION	TOTAL LENGTH	FINISH	VOLTAGE	DRIVER	CIRCUITS
SO spotless lens UB Ultra blend lens* GZ graze	FL flush* RG2 regressed 2" RG3 regressed 3"	(L) total length	W white C custom	120 120 V 277 277 V 347 347 V UNV universal DC low voltage*	DP dimming (0-10V) 1% LT(#) Lutron* BI bi-level dimming O(#) other** DPB(STC) dimming (0-10V) 1% with BIOS* DPB(DYN) Bio-dimming™ 100%-81% with BIOS* TW(#) tunable white drivers* CT(#) color tuning drivers* POE(#) POE drivers*	1 1 circuit 2 2 circuits +E(#) emergency circuit* +NL(#) night light circuit* +GTD(#) generator transfer device *

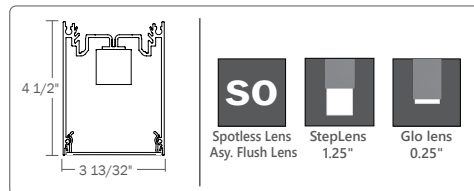
MOUNTING	END CAP	TYPE (OPTIONAL)	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	CUSTOM (OPT.)
TB9 t-bar 9/16" TB15 t-bar 15/16" ST screw slot t-bar TG9 regular 9/16" TG15 regular 15/16" DF drywall flange DS drywall spackle flange	ECR2 end cap for regressed 2** ECR3 end cap for regressed 3*** ECFL end cap flush with lens	TS(#) telescopic sections	B(#) battery pack 4' sections	F fuse* EF end feed FW(#) flex whip (6' std) CP Chicago plenum	C custom

\*Default lens for Color Tuning. Tunable white and BIOS. Consult factory for other lenses.  
\*Consult factory, if available with TC1680 color tuning CCT  
Min total length 2'  
\*Only available with POE drivers.  
\*See page 2 to specify system  
\*\* Please consult factory; see page 2  
\* Specify quantity  
TS section requires min length of 4'. Available on patterns. Recommended for longer runs or if exact perimeter length is not available. See page 2 for more details.  
Not available with TC1680 - color tuning CCT. Not available with BIOS - B30, B35, B40, BTW3527, BTW4027.  
Not available with 347V. Please consult factory. Not available with color tuning.  
\*Requires 120V or 277V  
Please specify  
© 2016 Axis Lighting Inc.  
1.800.263.2947  
[T] 514.948.6272  
axislighting.com

## Beam 3 | Pendant mount - Direct



Flush Spotless Lens - down | Glo Lens down



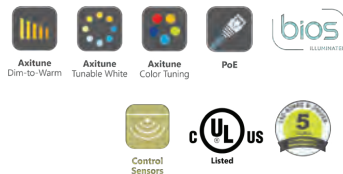
1.25" StepLens down

Project \_\_\_\_\_  
Type \_\_\_\_\_  
Notes \_\_\_\_\_

### PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
500 lm/ft	4.9 W/ft	119 lm/W	0.25G

Please consult factory for custom lumen output and wattage.



### Ordering Guide

TB3DLED		PRODUCT ID		NOM. LUM/FT DOWN		CRI		COLOR TEMP. (choose one)				SHIELDING	
TB3DLED	BEAM 3 - Pendant Direct LED	400	400 lm/ft - Minimum	80	80 CRI*	27	2700 K	TW2750 2700-5000 K - Tunable White		SO spotless lens		ASO asymmetric, flush only 1.25M StepLens, lum. end cap 0.25G 0.25" Glo lens UB Ultra blend lens (Flush only)* BW batwing, flush only NW narrow, flush only GZ graze, flush only WW wallwash, flush only	
		1000	1000 lm/ft - Maximum	90	90 CRI**	30	3000 K	TW2765 2700-6500 K - Tunable White		ASO asymmetric, flush only			
		700	700 lm/ft - for TC1680 with UB lens*			35	3500 K	BTW3527 3500-2700 K - Tunable BIOS		1.25M StepLens, lum. end cap			
		40	4000 K			40	4000 K	BTW4027 4000-2700 K - Tunable BIOS		0.25G 0.25" Glo lens			
						B30	3000 K - BIOS*	DW3020 3000-2000 K - Dim to Warm		UB Ultra blend lens (Flush only)*			
						B35	3500 K - BIOS*	TC1680 1650-8000 K - Color Tuning		BW batwing, flush only			
						B40	4000 K - BIOS*			NW narrow, flush only			
				Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS. *For shieldings other than UB there is a fixed lumen output. Please consult factory for more information.				* Not available with color tuning ** Not available with BIOS. *Consult Axitone technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology.				Choose only one of the options above; SurroundLite not available with direct * Default lens for Color Tuning, Tunable white and BIOS. Consult factory for other lens.	
LENGTH (FT)	MR (OPTIONAL)	FINISH	VOLTAGE	DRIVER									
2 2'	M16(#)	MR halogen lamp - Line voltage (by other)*	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%								
3 3'	M16LED(#)	MR16 LED lamp - Line voltage (by other)*	W white	277 277 V	LT(#) Lutron *								
4 4'	M16LEDB(#)	MR16 LED lamp - Dimmable (provided)**	BLK black	347 347 V	BI bi-level dimming								
5 5'			UNV universal	UNV universal	O(#) other **								
8 8'			DC low voltage*	DC low voltage*	DPB(STC) dimming (0-10V) 1% with BIOS*								
12 12'					DPB(DYN) Bio-dimming™ 100%-81% with BIOS*								
S(L) System Run					TW(#) tunable white drivers*								
					CT(#) color tuning drivers*								
					POE(#) POE drivers*								
Remove, replace with: *Specify quantity; Line wattage only; Separate circuits included. **Consult factory; See page 4 for more details; MR16 constant current for 0-10V & DALI only. Available in 3000K or 4000K. Available in luminaires with Axitone and BIOS but downlight will not be tunable white, color tuning, or BIOS LEDs				*See page 2 to specify system ** Please consult factory; see page 2									
CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPT.)	OTHER (OPT.)	IC CONTROLS (OPT.)	CUSTOM (OPT.)								
1 1 circuit 2 2 circuits +E(#) emergency circuit * +NL(#) night light circuit * +GTD(#) generator transfer device * +M MR	CA(L) drywall+cable length (36" std.) CT9(L) TB/TG 9/16+cable length (36" std.) CT15(L) TB/TG15/16+cable length (36" std.) CTS(L) ST+cable length (36" std.) SA(L) drywall+stem length >48" (18" std.)	B(#) battery pack (integral)	F fuse *	DS(#) daylight sensor OS(#) occupancy sensor DOS(#) daylight & occupancy sensor EN(#) Enlighted integral ENR(#) Enlighted remote WC(#) wireless control dimming	C custom								
* Specify quantity	White canopy standard	Minimum 5ft; Not available with 347V. Please consult factory. Not available with color tuning	* Requires 120V or 277V	Specify quantity. Requires 8" blank. See integrated controls guide for more details. Not available with Color Tuning. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.	Please specify								

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information.

1 / 9  
November 29, 2021

FILE NAME:TB3D-LED.SPEC

© 2016 Axis Lighting Inc.  
1.800.263.2947  
[T] 514.948.6272



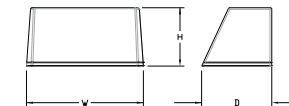
## WST LED Architectural Wall Sconce



### Specifications

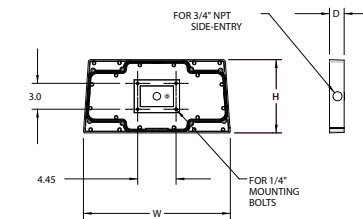
#### Luminaire

**Height:** 8-1/2" (21.59 cm)  
**Width:** 17" (43.18 cm)  
**Depth:** 10-3/16" (25.9 cm)  
**Weight:** 20 lbs (9.1 kg)



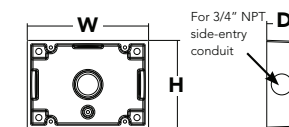
### Optional Back Box (PBBW)

**Height:** 8.49" (21.56 cm)  
**Width:** 17.01" (43.21 cm)  
**Depth:** 1.70" (4.32 cm)



### Optional Back Box (BBW)

**Height:** 4" (10.2 cm)  
**Width:** 5-1/2" (14.0 cm)  
**Depth:** 1-1/2" (3.8 cm)



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
© 2011-2021 Acuity Brands Lighting, Inc. All rights reserved.

WST-LED  
Rev. 11/22/21





## FEATURES & SPECIFICATIONS

**INTENDED USE** — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power to meet and exceed code required emergency lighting. Ideal for applications requiring attractive LED unit equipment with quick installation and unparalleled performance for mounting heights from 7.5' to 30'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

**CONSTRUCTION** — The housing is a standard white (black optional) thermoplastic with a compact and low-profile contemporary design. It is 5VA flame rated, impact-resistant, scratch-resistant and corrosion proof. The UV-stable resin resists discoloration from natural and man-made light sources. There is a low-profile, integrated and back-lit test switch with an easily visible multi-color LED status indicator. The back-plate contains a universal j-box mounting pattern to facilitate ease of installation on a wide variety of j-boxes and the front housing allows tool-less access for ease of maintenance.

The lamp heads have a unique track-and-swivel arrangement permitting full range of direction of optical aiming.

**OPTICS** — The ELM4L features two high-performance LEDs rated at 3.3 watts per lamp head and delivers a total of 640 lumens in a spot pattern (SP640L).

The ELM6L features three high-performance LEDs rated at 5.3 watts per lamp head and delivers a total of 1,100 lumens in a spot pattern (SP1100L).

The typical life of an LED is 10 years. The LED light sources typically never need to be replaced under normal conditions for normal off applications.

CCT: 5000K

**ELECTRICAL** — Orderable in multiple voltages (see ordering tree for specific voltages.)

Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery chargers Certified in the CA Title 20 Appliance Efficiency Database.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts.

Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Filtered charger input minimizes charge voltage ripple and extends battery life.

**BATTERY:** Sealed, maintenance-free nickel-cadmium (ELM4L only) or Lithium Iron Phosphate battery. Optional High-Output (HO option) and Extra High Output (EHO option), LTP battery type only, provides a wide variety of remote capacities and/or extended run-times.

**SELF-DIAGNOSTICS and REMOTE TEST (SDRT option):**

Automatic 24-hour recharge after a 90-minute discharge.

Advanced electrical design provides constant light output throughout the entire discharge period.

Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other input voltages may vary.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Self-Diagnostics: Continuously monitors AC functionality. Test switch and remote tester (RTKIT accessory) provide manual activation of 30-second diagnostic testing for on-demand visual inspection. Standard derangement monitoring will indicate disconnected battery, charger failure and displays green flashing indicator light while in emergency mode. Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually. Diagnostic evaluation of lamps, AC to DC transfer, battery charging and condition of microprocessor. Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester (RTKIT accessory).

**INSTALLATION** — Wall and ceiling mount standard. Blind-mate connector ensures easy installation and safe maintenance. 7/8" entrance provision at top of unit for standard 1/2" conduit entry. Tool-less removal of front cover from back-plate for ease of installation and maintenance.

**LISTINGS** — UL damp location listed standard and wet location listed when used with the WPV5 accessory, all at 50-104°F (10-40°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), NOM (Norma Oficial Mexicana), California Energy Commission Title 20 section 1605.3 (W)(4), FCC Title 47, Part 15, Subpart B and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10.

**BUY AMERICAN** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](#) for additional information.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](#)

**NOTE:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

† Small Battery Chargers Certified in the CA Title 20 Appliance Efficiency Database.



Catalog Number
Notes
Type



Contemporary Commercial LED Emergency Light



**ELM4L**  
640 Lumens

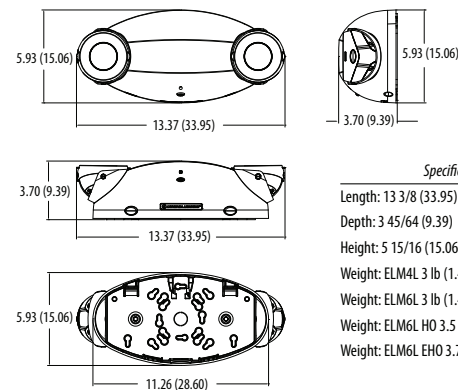
**ELM6L**  
1100 Lumens

LITHIUM IRON PHOSPHATE  
NICKEL CADMIUM



## MOUNTING

All dimensions are inches (centimeters) unless otherwise indicated.



### Specifications

Length: 13 3/8 (33.95)  
Depth: 3 45/64 (9.39)  
Height: 5 15/16 (15.06)  
Weight: ELM4L 3 lb (1.4kg)  
Weight: ELM6L 3 lb (1.4kg)  
Weight: ELM6L HO 3.5 lbs (1.59 kg)  
Weight: ELM6L EHO 3.75 lbs (1.7 kg)



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

**CONSTRUCTION** — Extruded brushed aluminum finish.

Clear acrylic panels- letters measure 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL 924 standard.

For single-face clear panels, EXIT is seen as a reversed image from the back.

**OPTICS** — LEDs mounted on printed circuit board. The typical life of the exit LED lamp is 10 years.

The LED operating frequency is 120Hz.

**ELECTRICAL** — Dual voltage input capacity (120/277V).

**Battery:** (EL Option) — Sealed, maintenance free nickel-cadmium battery delivers 90 minutes capacity to emergency lamps. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing (EL Option Only) for 30 seconds every 30 days and 90 minutes annually. Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

**INSTALLATION** — EDG — Universal mounting canopy for top or end mount. Back mount standard for single face only. Canopy provided.

EDGR — Recessed mounting. Bar hanger and brackets provided for both new or restricted ceiling access installation applications. Back wall mount (WM) option.

Universal directional indicators. Field selected and attached.

**LISTINGS** — UL damp location listed 32°-122°F (0°-50°C) standard. Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

**BUY AMERICAN** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](#) for additional information.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](#)

**NOTE:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C.

Specifications subject to change without notice.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

Catalog Number
Notes
Type



EDG (surface mount)



EDGR (recessed mount)

LED Edge-Lit Exits

**EDG**  
**EDGR**

LED Lamps



### Specifications

EDG (End Mount)	EDG (Top Mount)
Length: 13-5/8 (34.6)	Length: 13 (33.0)
Depth: 5-1/2 (14.0)	Depth: 4-5/16 (11.0)
Height: 11-1/8 (28.3)	Height: 11-3/4 (29.8)
Shipping Weight: 4 lbs (1.8 kgs)	Shipping Weight: 4 lbs (1.8 kgs)
EDG (Back Mount)	EDGR
Length: 13 (33.0)	Length: 13 (33.0)
Depth: 3 (7.6)	Depth: 1-3/4 (4.4)
Height: 11-1/8 (28.3)	Height: 8 (20.3)
Shipping Weight: 4 lbs (1.8 kgs)	Shipping Weight: 6.8 lbs (3.1 kgs)
	Shipping Weight (WM option): 8.1 lbs (3.7 kgs)

All dimensions are inches (centimeters) unless otherwise noted.

## ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: EDG 1 R EL

Family	Housing color	Number of faces	Letter color	Operations	Options
<b>EDG</b> Surface mount LED edge-lit exit	<b>(blank)</b> Brushed aluminum	<b>1</b> Single face	<b>R</b> Red on clear (single face only) <sup>1</sup>	<b>(blank)</b> AC only	<b>(blank)</b> None
<b>EDGR</b> Recessed LED edge-lit exit	<b>W</b> White	<b>2</b> Double face	<b>G</b> Green on clear (single face only) <sup>1</sup>	<b>EL</b> Nickel-cadmium battery	<b>WM</b> Recessed wall mount <sup>4</sup>
			<b>RMR</b> Red on mirror <sup>2</sup>	<b>X2</b> Lamp wired on two separate AC circuits (specify 120V or 277V) <sup>1</sup>	<b>BAA</b> Buy America(n) Act Compliant
			<b>GMR</b> Green on mirror <sup>2</sup>	<b>SD</b> Self-diagnostics <sup>5</sup>	
			<b>RW</b> Red on white <sup>3</sup>		
			<b>GW</b> Green on white <sup>3</sup>		

Accessories: Order as separate item.	
ELA US12	12" stem kit with brushed aluminum canopy <sup>7</sup>
ELA W US12	12" stem kit with white canopy <sup>7</sup>
ELA WG1	Wireguard (13 3/4" H x 15 1/4" W x 6" D, back mount only)

### Notes

- For single-face clear panels, EXIT is seen as a reversed image from the back.
- Available with single and double face.
- White panel standard for double and single face.
- Not available with EL and SD options. Both circuits can be energized at the same time.
- Available with EL option only.
- Available on EDGR single face only
- See spec sheet [ELA-StemKits](#), Only available for EDG.