VANDEWALLE & ASSOCIATES INC.

To: Urban Design Commission

From: Brian Munson

CC: Austin Pagnotta
Tim Kamps
Eli Tsarovsky
Chris Wells
Mike Verveer

Date: Friday, May 26, 2023

Re: UDC Final Approval Set

Attached please find a revised plan set for discussion at the May 31st Urban Design Commission. These changes include the following items:

UDC Requested Revisions:

- The first floor has been revised to provide a common building entrance from Dayton Street through to the Johnson Street lobby. This includes revisions based on staff input to make it more discernible from the townhome entrances (door, color, addressing).
- Removal of the exterior townhome entrances that do not face onto a street, with subsequent landscape plan revisions to show outdoor patio spaces.
- The vehicle entry portal on the W Dayton Street elevation has been lowered to reduce the opening size while still accommodating the necessary vehicular types. Additional Dayton Street perspective added to illustrate the changes.
- Revised lighting plans.

120 East Lakeside Street • Madison, Wisconsin 53715 • 608.255.3988 • 608.255.0814 Fax
247 Freshwater Way, Suite 530 • Milwaukee, Wisconsin 53204 • 414.988.8631
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Plan Commission Requested Revisions:

- Illustration of EV charging station placement within the parking level.
- The 12th floor mechanicals/elevators have been reduced to the minimum level with two elevators/stairwells serving the deck area, elevator overruns, and mechanicals serving the building.

Staff Requested Revisions:

- The first floor façade adjacent to the Lexington Parking lot is planned for an art mural installation. The mural will be installed on a backer board with a minimal frame. Final details will be addressed in a future submittal. The bump out detail on the first floor along this façade carries through the mezzanine level and ends into the 2nd floor overhang.
- The mechanical screening details are included
- Handrail detail/spec added.

VANDEWALLE & ASSOCIATES INC.

Monday, March 27, 2023

Heather Stouder
Department of Planning & Development
City of Madison
215 Martin Luther King, Jr. Blvd.
Madison, WI 53710-2985

The attached formal submittal packet for the Johnson & Bassett project, submitted on behalf of Core Madison Bassett, LLC, outlines the request for the rezoning and redevelopment of a new multifamily project located along Johnson Street, Bassett Street, and Dayton Street. This project is designed to meet the recommendations of the adopted plans while creating much needed new residential housing units with a range of configurations.

Project Description

- Rezone parcels PD and DR2 parcels to Urban Mixed Use (UMX)
- Demolition of existing structures (11)
- Conditional Use
  - New construction greater than 50,000 square feet
  - New construction of building in UMX District
  - Rooftop outdoor recreation
- CSM to create one lot for development

The proposed project is a 12/6 story multi-family building with 232 units ranging from studios to townhome units. This project implements the adopted downtown plan, downtown design guidelines, and downtown height map with well-articulated urban architecture. Residents of the project will have access to amenities within the building including fitness, study rooms, and gathering rooms; as well as, rooftop amenities.

Pedestrian access will be served by a lobby fronting onto Johnson Street with additional individual entries serving townhomes along the perimeter of the building. Vehicular and loading access to the building is located off of Dayton Street, per City Staff recommendation. The building will be well served by the existing pedestrian and bicycle network and a bus stop will be re-activated at the corner of Johnson Street and Bassett Street.

Applicant

Core Madison Bassett, LLC.
1643 North Milwaukee Street
Chicago, IL 60647

Owners

437 West Johnson Street
424 Wisconsin LLC
5223 Tonyawatha Trail
Monona, WI 53716

445 West Johnson Street
Core Madison Johnson LLC
1643 N Milwaukee Street
Chicago, IL 60647

215 North Bassett Street
215 N Bassett LLC
5949 County Highway K
Waunakee, WI 53597

217 North Bassett Street
Nelson Trust, Jasper
200 The Circle
Austin, TX 78704

219 North Bassett Street
Bassett Street LLC
5949 County Highway K
Waunakee, WI 53597

221 North Bassett Street
Core Madison Bassett LLC
1643 N Milwaukee Street
Chicago, IL 60647

430 West Dayton Street
430 West Dayton Street LLC
P.O. Box 694
Madison, WI 53701

434 West Dayton Street
Martin, Dennis G
428 Castle Place #2
Madison, WI 53703-1503

438/440 West Dayton Street
440 West Dayton Street LLC
Attn: Daniel Bohl
3595 Richie Road
Verona, WI 5393

Design Team

Architecture:
Kahler Slater
722 Williamson Street
Madison, WI 53703

Engineering:
Vierbicher
999 Fournier Drive
Madison, WI 53717

Landscape:
Site Design
888 South Michigan Avenue
Chicago, IL 60605

Lighting:
Hartranft Lighting Design
401 Hawthorne Lane
Suite 110-269
Charlotte, NC 28204

Entitlement:
Vandewalle & Associates
120 East Lakeside Street
Madison, WI 53715

Site Data

Addresses	PIN	Existing Zoning	Acreage
437 West Johnson Street	709-231-1421-2	UMX	4,356 sq. ft.
445 West Johnson Street	709-231-1416-3	UMX	13,068 sq. ft.
215 North Bassett Street	709-231-1420-4	UMX	2,178 sq. ft.
217 North Bassett Street	709-231-1419-7	UMX	2,178 sq. ft.
219 North Bassett Street	709-231-1417-1	UMX	2,178 sq. ft.
221 North Bassett Street	709-231-1417-1	UMX	2,178 sq. ft.
430 West Dayton Street	709-231-1421-2	PD	4,356 sq. ft.
434 West Dayton Street	709-231-1421-2	DR2	4,356 sq. ft.
438/440 West Dayton Street	709-231-1421-2	PD	8,712 sq. ft.

Total Site Acreage: 1.0 acre (43,560 sq. ft.)
Rezoning Acreage: .41 acres
Existing Units: 55 units

Proposed Zoning

Urban Mixed Use (UMX)
Conditional Use
- Building greater than 20,000 square feet and more than 4 stories in height
- Outdoor rooftop amenities

Project Summary

Multi-Family Housing	232 units
Studio	39
1 bedroom	5
2 bedroom	63
4 bedroom	49
5 bedroom	63
2 bedroom townhome	4
3 bedroom townhome	8
4 bedroom townhome	1

Vehicle Parking:

First Floor	7 car spaces
	Delivery/loading zone
Lower Level:	55 car spaces
Total Car Spaces	62

Bike Parking:

First Floor Guest Parking	24 standard spaces
Lower-Level Tenant Parking	250 standard spaces
	142 structured spaces
Total Spaces	416

Lot Coverage: 88%

Loading:
All loading, deliveries, and trash/recycling collection will take place within the site, accessed from the Dayton Street entrance.

Car share pickup and deliveries will have access to 7 designated short term parking stalls within the first-floor enclosed parking area.

Usable Open Space:
Usable open space will be delivered through balconies and unique rooftop patios with a range of amenities and configurations.

Open Space Required (10 sq. ft./bedroom):	2,320 sq. ft.
Open Space Provided:	
6th floor roof:	2,100 sq. ft.
12th floor roof:	6,380 sq. ft.
Balconies:	6,120 sq. ft.
Total	14,600 sq. ft.
Green Roof Required (stormwater):	7,600 sq. ft.
Green Roof Supplied:	7,600 sq. ft.

Project Schedule

Initial Staff Meetings	9/7/2022
Alder Notification	9/7/2022
CANA/CNI Notification	11/3/2022
DAT	11/10/2022
Initial CANA/CNI Steering MTG	11/30/2022
Demolition Notification	12/15/2022
Formal Submittal Notification	12/15/2022
Landmarks Commission	1/9/2023
UDC Informational MTG #1	1/11/2023
UDC Informational MTG #2	3/1/2023
Formal Submittal	3/13/2023
Anticipated Schedule:	2024 Construction 2026 Occupancy

Urban Design Commission (UDC) Informational Review

The project has been presented and discussed with the UDC at two informational presentations. The design has undergone significant adjustments based on their feedback with the most recent iteration including the following items from the March 1st presentation:

1.) Removed window ledge detailing on Dayton Street
2.) Lightened the base brick color

Demolition Request

The project is seeking a demolition request for the buildings located on the site due to functional obsolescence, and inability for reuse/retention due to lot configuration impacts on the overall project site limiting the potential to incorporate City planning goals for the site. The buildings are all currently used for rental student housing, and most have been well used over many years with numerous additions and revisions from their original conditions. The Landmarks Commission has reviewed this demolition request and noted that none of the buildings held known historic value.

Re-use and Recycling plans will be prepared for all structures. None of the structures are currently proposed for relocation.

Addresses:

437 West Johnson Street

Student Housing	12 bedroom rooming house
Date of Construction:	1915
Additions:	1984
Request:	Functional obsolescence

445 West Johnson Street

Student Housing	35 unit multi-family
Date of Construction:	1965
Additions:	1998
Request:	Functional obsolescence

215 North Bassett Street

Student Housing	single-family rental
Date of Construction:	1901
Additions:	none
Request:	Functional obsolescence

217 North Bassett Street

Student Housing	single-family rental
Date of Construction:	1895 or 1900
Additions:	none
Request:	Functional obsolescence

219 North Bassett Street

Student Housing	2 unit multi-family
Date of Construction:	1900 or 1906
Additions:	none
Request:	Functional obsolescence

221 North Bassett Street

Student Housing	2 unit multi-family
Date of Construction:	1906 or 1908
Additions:	none
Request:	Functional obsolescence

430 West Dayton Street

Student Housing	3 unit multi-family/ADU
Date of Construction:	1914
Additions:	ADU 2010
Request:	Functional obsolescence

434 West Dayton Street

Student Housing	3 unit multi-family
Date of Construction:	1914
Additions:	none
Request:	Functional obsolescence

438 West Dayton Street

Student Housing	6 unit multi-family
Date of Construction:	2000
Additions:	none
Request:	Lot configuration precludes preservation

440 West Dayton Street

Student Housing	3 unit multi-family
Date of Construction:	1914
Additions:	none
Request:	Functional obsolescence

See the Exhibit A for photos of the existing buildings.

Conditional Use Standards

1. *The establishment, maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, or general welfare.*

   The proposal for multi-family housing is consistent with the historic use of the site and the surrounding area.

2. *The City is able to provide municipal services to the property where the conditional use is proposed, given due consideration of the cost of providing those services.*

   The site is well served with readily available municipal services adjacent to the site.

3. *The uses, values and enjoyment of other property in the neighborhood for purposes already established will not be substantially impaired or diminished in any foreseeable manner.*

   The proposed building is consistent with the previous use of the site and reflects the recommendations of the Comprehensive Plan, Downtown Plan, and current zoning on the site.

4. *The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.*

   The proposal will not preclude development or improvement of the surrounding properties.

5. *Adequate utilities, access roads, drainage, parking supply, internal circulation improvements, including but not limited to vehicular, pedestrian, bicycle, public transit and other necessary site improvements have been or are being provided.*

   The proposal incorporates the necessary site improvements to support the project.

6. *Measures, which may include transportation demand management (TDM) and participation in a transportation management association have been or will be taken to provide adequate ingress and egress, including all off-site improvements, so designed as to minimize traffic congestion and to ensure public safety and adequate traffic flow, both on-site and on the public streets.*

   The project submittal includes the City of Madison TDMP spreadsheet, illustrating that the project exceeds the required transportation components.

7. *The conditional use conforms to all applicable regulations of the district in which it is located.*

   The project meets the standards of the UMX zoning district and downtown plan.

8. *When applying the above standards to an application by a community living arrangement, the Plan Commission shall:*

   Not Applicable.

9. *When applying the above standards to any new construction of a building or an addition to an existing building the Plan Commission shall find that the project creates an environment of sustained aesthetic desirability compatible with the existing or intended character of the area and the statement of purpose for the zoning district. In order to find that this standard is met, the Plan Commission may require the applicant to submit plans to the Urban Design Commission for comment and recommendation. (Am. by ORD-14-00030, 2-18-14)*

   The project has been presented for informational review with the Urban Design Commission on January 11, 2023 & March 1, 2023 (UDC) to gather input on the design direction and anticipates seeking UDC approval as part of the review of the project.

10. *When applying the above standards to an application for a reduction in off-street parking requirements, the Plan Commission shall consider and give decisive weight to all relevant facts, including but not limited to, the availability and accessibility of alternative parking; impact on adjacent residential neighborhoods; existing or potential shared parking arrangements; number*

of residential parking permits issued for the area; proximity to transit routes and/or bicycle paths and provision of bicycle racks; the proportion of the total parking required that is represented by the requested reduction; the proportion of the total parking required that is decreased by Sec. 28.141. The characteristics of the use, including hours of operation and peak parking demand times design and maintenance of off-street parking that will be provided; and whether the proposed use is now or a small addition to an existing use.

The proposal meets the parking requirements for the Urban Mixed Use (UMX) zoning district. This site is well served with pedestrian and bicycle routes and transit service, as illustrated by the submitted TDMP spreadsheet.

11. *When applying the above standards to telecommunication facilities, the Plan Commission shall consider the review of the application by a professional engineer required by Sec. 28.143.*

    Not Applicable.

12. *When applying the above standards to an application for height in excess of that allowed in the district, the Plan Commission shall consider recommendations in adopted plans; the impact on surrounding properties, including height, mass, orientation, shadows and view; architectural quality and amenities; the relationship of the proposed building(s) with adjoining streets, alleys, and public rights of ways; and the public interest in exceeding the district height limits.*

    Not applicable.

13. *When applying the above standards to lakefront development under Sec. 28.138, the Plan Commission shall consider the height and bulk of principal buildings on the five (5) developed lots or three hundred (300) feet on either side of the lot with the proposed development.*

    Not applicable.

14. *When applying the above standards to an application for height in excess of that allowed by Section 28.071(2)(a) Downtown Height Map for a development located within the Additional Height Areas identified in Section 28.071(2)(b), the Plan Commission shall consider the recommendations in adopted plans, and no application for excess height shall be granted by the Plan Commission unless it finds that all of the following conditions are present:*
    a. *The excess height is compatible with the existing or planned (if the recommendations in the Downtown Plan call for changes) character of the surrounding area, including but not limited to the scale, mass, rhythm, and setbacks of buildings and relationships to street frontages and public spaces.*
    b. *The excess height allows for a demonstrated higher quality building than could be achieved without the additional stories.*
    c. *The scale, massing and design of new buildings complement and positively contribute to the setting of any landmark buildings within or adjacent to the projects and create a pleasing visual relationship with them.*
    d. *For projects proposed in priority viewsheds and other views and vistas identified on the Views and Vistas Map in the City of Madison Downtown Plan, there are no negative impacts on the viewshed as demonstrated by viewshed studies prepared by the applicant.*

    Not applicable.

15. *When applying the above standards to an application to redevelop a site that was occupied on January 1, 2013 by a building taller than the maximum building height allowed by Section 28.071(2)(a) Downtown Height Map, as provided by Section 28.071(2)(a)1., no application for*

excess height shall be granted by the Plan Commission unless it finds that all the following additional conditions are also present:

a. *The new building is entirely located on the same parcel as the building being replaced.*
b. *The new building is not taller in stories or in feet than the building being replaced.*
c. *The new building is not larger in total volume than the building being replaced.*
d. *The new building is consistent with the design standards in Section 28.071(3) and meets all of the dimensional standards of the zoning district other than height.*
e. *The Urban Design Commission shall review the proposed development and make a recommendation to the Plan Commission.*

Not applicable.

16. *When applying the above standards to an application for limited production and processing use, the Plan Commission shall consider the effect of such a use on the surrounding properties, including the effects of odors, noise, vibration, glare, hours of operation, and other potential side effects of a manufacturing process. (Cr. by ORD-15-00124, 11-11-15)*

Not Applicable

Downtown Design Guidelines

Site Design + Building Placement

Orientation

The project creates a strong and permeable street wall with minimal setback along all three adjoining streets while employing a slight setback to allow for a larger terrace/sidewalk zone along Johnson Street. Useable entrances front out to each street frontage with expansive windowpanes integrated into the first floor to reinforce activity and transparency along the sidewalk.

Access + Circulation

The site parking and loading is accessed on Dayton Street, per Staff recommendation, to minimize disruption on regional vehicular and bicycle corridors on Johnson Street and Bassett Street. Guest parking/delivery is located within the building with 7 spots available for short term use. Long term parking and bicycle parking is located on the lower parking level under the building.

Usable Open Space -Residential Development

The project offers resident both balcony and roof top useable open space with a variety of activity areas.

Landscaping

The landscape design of the ground level offers urban foundation plantings, expanded sidewalk/terrace area, and buffers from adjoining developments. The overall design seeks to bring color & texture to the streetscape by using landscape and hardscape to further define commercial/public vs. residential/private entrances to the building.

Lighting

Building lighting is proposed to provide appropriate levels of light while maintaining the residential environment.

Architecture

Massing

The massing implements the adopted plans with a 12-story element along Johnson/Bassett stepping down to a 6-story element along Dayton Street, consistent with the designation for this property in the Downtown Height Map. This massing reflects the adjoining character along Johnson Street and the smaller scale of Dayton Street. The building is further articulated through deep insets breaking the Johnson and Bassett facades into smaller distinct vertical elements.

Building Components
The ground level of the building incorporates setbacks to create a pedestrian focused activation along each streetscape while clearly establishing a "base" condition for the building and grounding the architecture to the street. The upper-level design utilizes a grid structure that creates visual interest and a framework for setbacks & balconies to further divide the facades into distinct expressions that span from first floor to the rooftop.

Visual Interest
The overall design of the building, based on UDC feedback, creates a varied and articulated expression along all sides of the building with different treatments in the 12 story and 6 story sections of the building.

Door and Window Openings
The overall design of the project fits into the context of the adjoining development while implementing a unique design expression that creates architectural diversity within the overall neighborhood.

Building Materials
The building uses high quality durable materials throughout the four-sided design.

Terminal Views and Highly-Visible Corners
While the site is not a previously identified terminal view or highly-visible corner, it does create a unique and vibrant expression at the corner of Johnson Street and Bassett Street, anchoring a long view across the corridor to the west.

Awnings and Canopies
The project entry is highlighted with a canopy and architectural frame to clearly denote the primary pedestrian entrance. The design of this feature reflects and enhances the overall composition and framework of the grid detailing.

Signage
Signage for the building will be integrated into the project through future submittals and will be consistent with the signage ordinance.

Legal Description

All of Lots 15 and 16, Block 41, Original Plat of Madison as recorded in Volume A of Plats, on Page 3, as Document Number 102, Dane County Registry and located on the Northwest Quarter of the Northeast Quarter of Section 23, Township 07 North, Range 09 East, City of Madison, Dane County, Wisconsin, more fully described as follows:

Commencing at the most southerly corner of said Block 41, Original Plat of Madison; thence North 45 degrees 55 minutes 50 seconds East, along the southeasterly line of said Block 41, a distance of 132.43

feet to the most southerly corner of said Lot 16, Block 41, Original Plat of Madison and the point of beginning of this description; thence North 43 degrees 57 minutes 53 seconds West, along the southwesterly line of said Lot 16, a distance of 133.47 feet to the most westerly corner of said Lot 16; thence North 45 degrees 51 minutes 51 seconds East, along the northwesterly lines of said Lot 16 and Lot 15, Block 41, Original Plat of Madison, 132.70 feet to the most northerly corner of said Lot 15; thence South 43 degrees 53 minutes 23 seconds East, along the northeasterly line of said Lot 15, Block 41, Original Plat of Madison, 133.63 feet to the aforementioned southeasterly line of said Block 41, also being the most easterly corner of said Lot 15, Block 41, Original Plat of Madison; thence South 45 degrees 55 minutes 50 seconds West, along said southeasterly line of Block 41 also being the southeasterly lines of said Lot 15 and Lot 16, Block 41, Original Plat of Madison, 132.53 feet to the Point of Beginning. Said description contains 17,710 square feet or 0.4066 acres, more or less.

STUDENT HOUSING

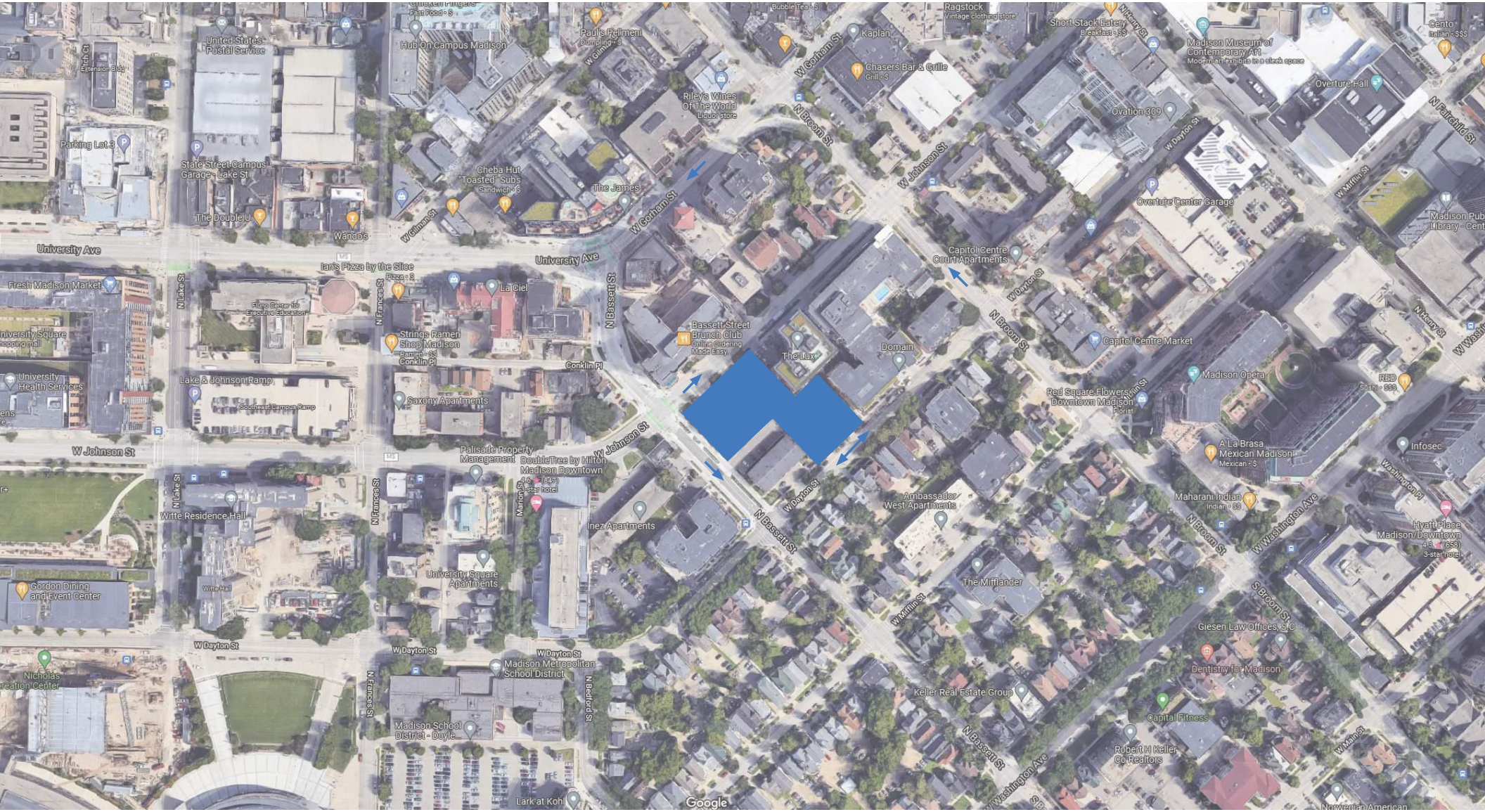
JOHNSON STREET | MADISON, WISCONSIN

CORE MADISON BASSETT, LLC

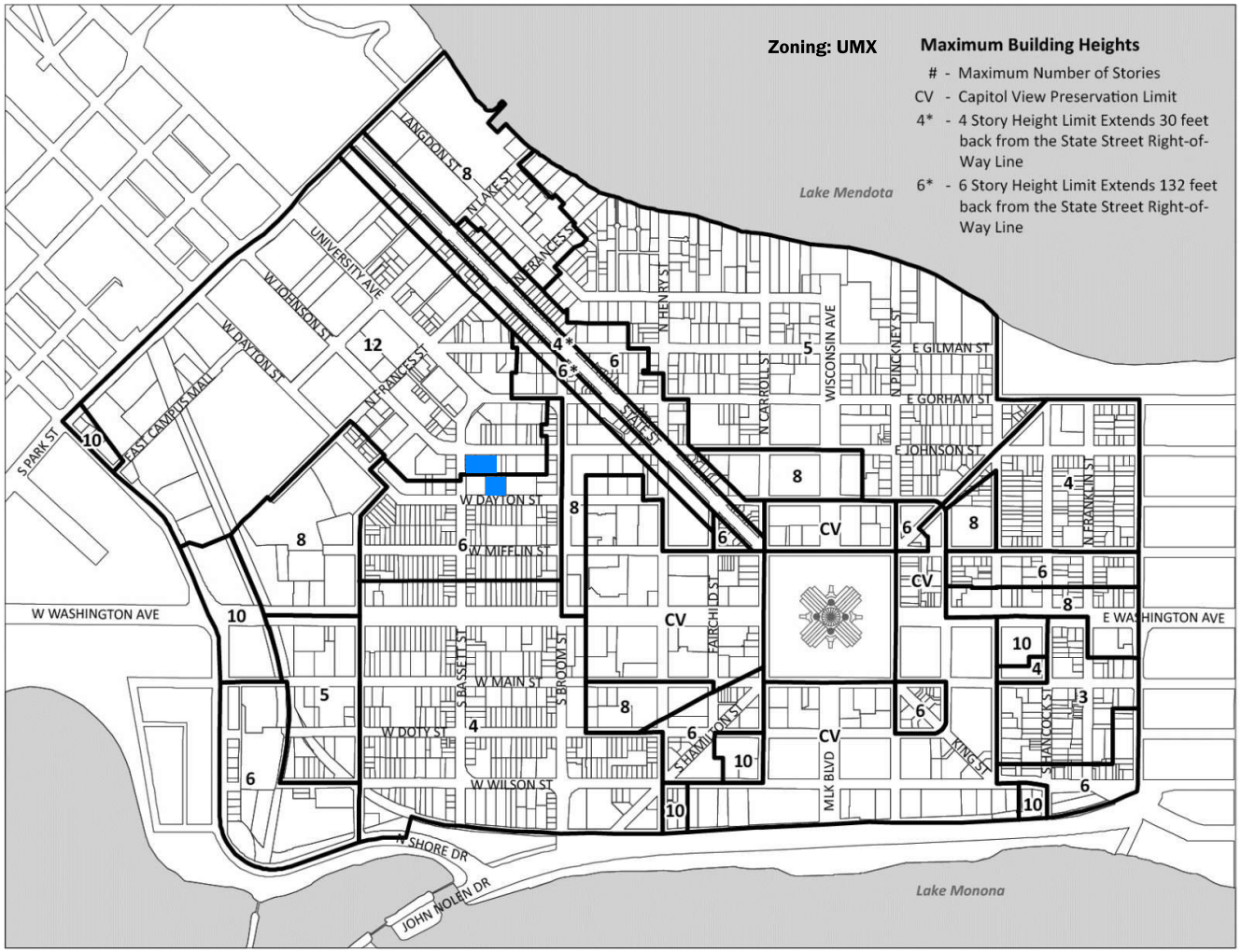
UDC FORMAL SUBMITTAL
MAY 26, 2023

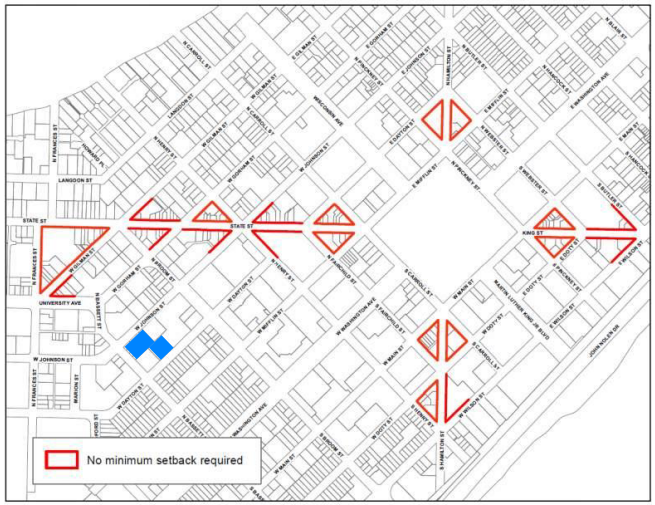
Kahler Slater

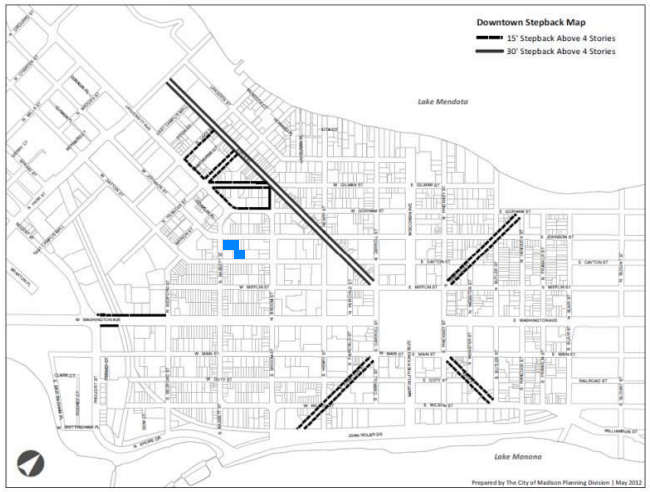
LOCATOR MAP


W Gorham St
W Johnson St
University Ave
N Broom St
N Bassett St
W Dayton St
N Frances St
N Lake St
Conklin Pl
W Gilman St
W Mifflin St
W Washington Ave
S Broom St
N Fairchild St
Capitol Centre Court Apartments
Overture Center Garage
Overture Hall
Madison Museum of Contemporary Art
Ovation 309
Chasers Bar & Grille
Kaplan
Ragstock
Short Stack Eatery
Riley's Wines Of The World
Paul's Pelmeni
Hub On Campus Madison
United States Postal Service
Parking Lot 3
State Street Campus Garage - Lake St
The Double U
Wando's
Cheba Hut Toasted Subs
The James
Ian's Pizza by the Slice
La Ciel
Fresh Madison Market
Strings Ramen Shop Madison
Bassett Street Brunch Club
The Lux
Domain
Capitol Centre Market
Madison Opera
Red Square Flowers Downtown Madison
A La Brasa Mexican Madison
Infosec
Saxony Apartments
Lake & Johnson Ramp
University Health Services
Palisade Property Management
DoubleTree by Hilton Madison Downtown
Witte Residence Hall
Inez Apartments
Ambassador West Apartments
Maharani Indian
Hyatt Place Madison/Downtown
University Square Apartments
Gordon Dining and Event Center
The Mifflander
Giesen Law Offices, S.C.
Dentistry for Madison
Madison Metropolitan School District
Madison School District - Doyle...
Keller Real Estate Group
Capital Fitness
Robert H Keller Co Realtors
Lark at Kohl
Google

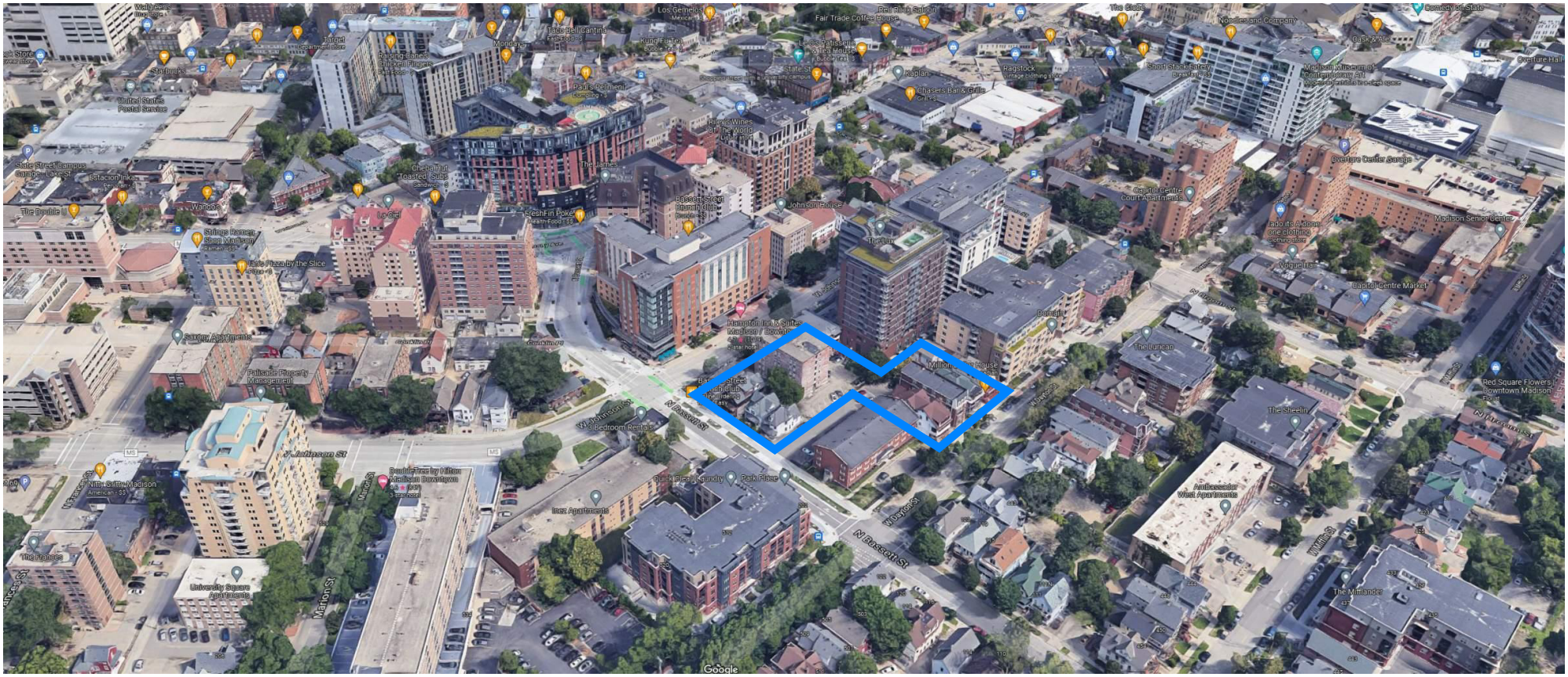
ZONING INFORMATION







SITE CONTEXT - AERIAL



SITE CONTEXT - STREET VIEWS



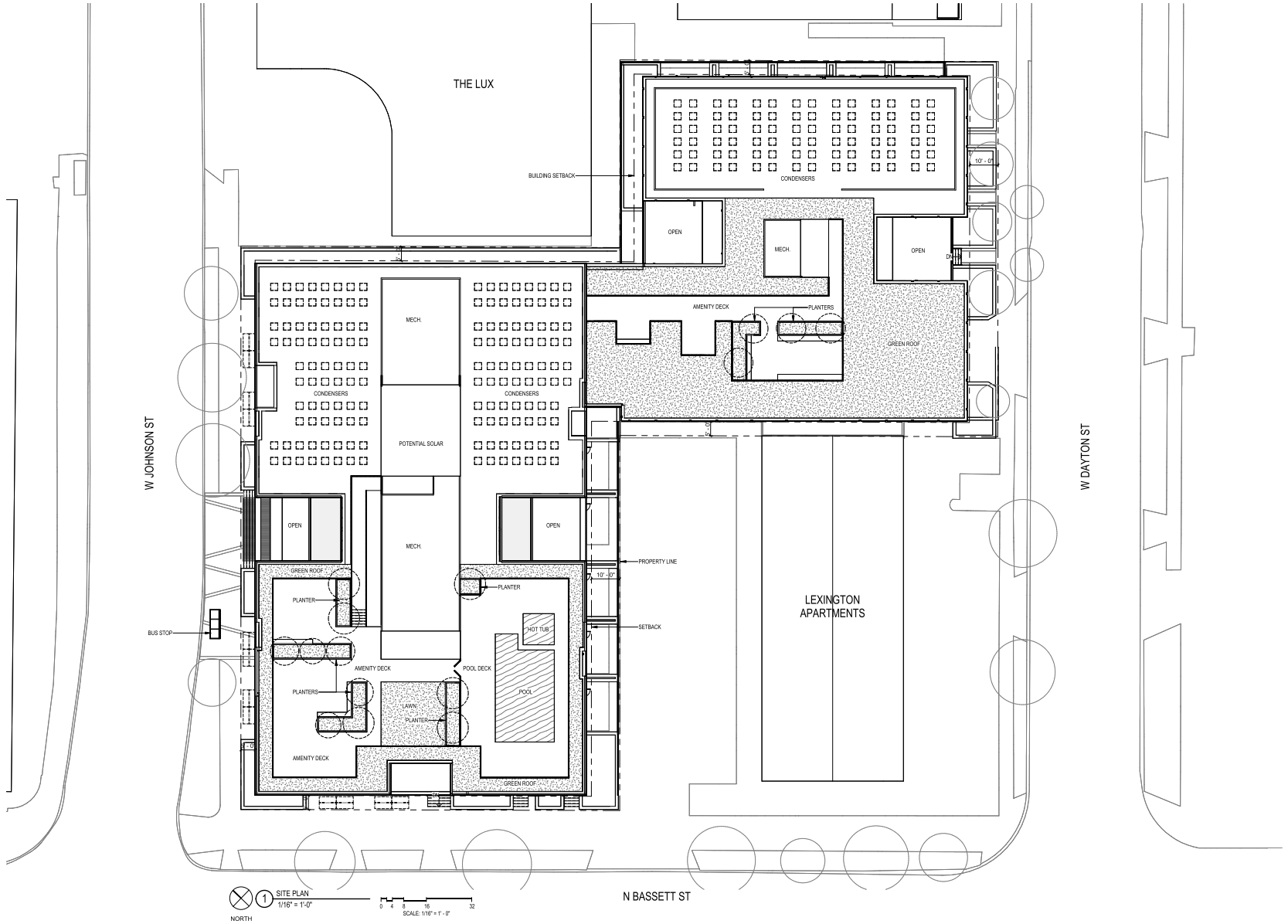


SITE CONTEXT - STREET VIEWS

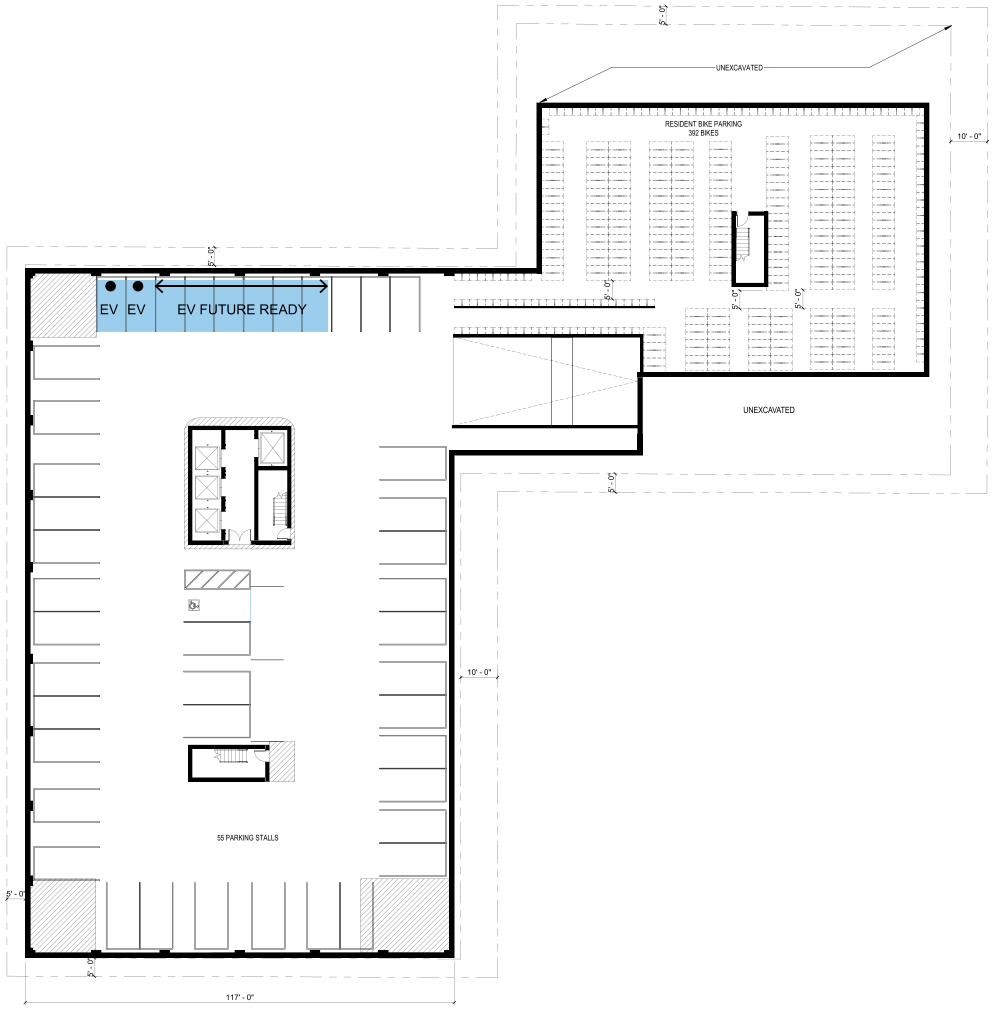




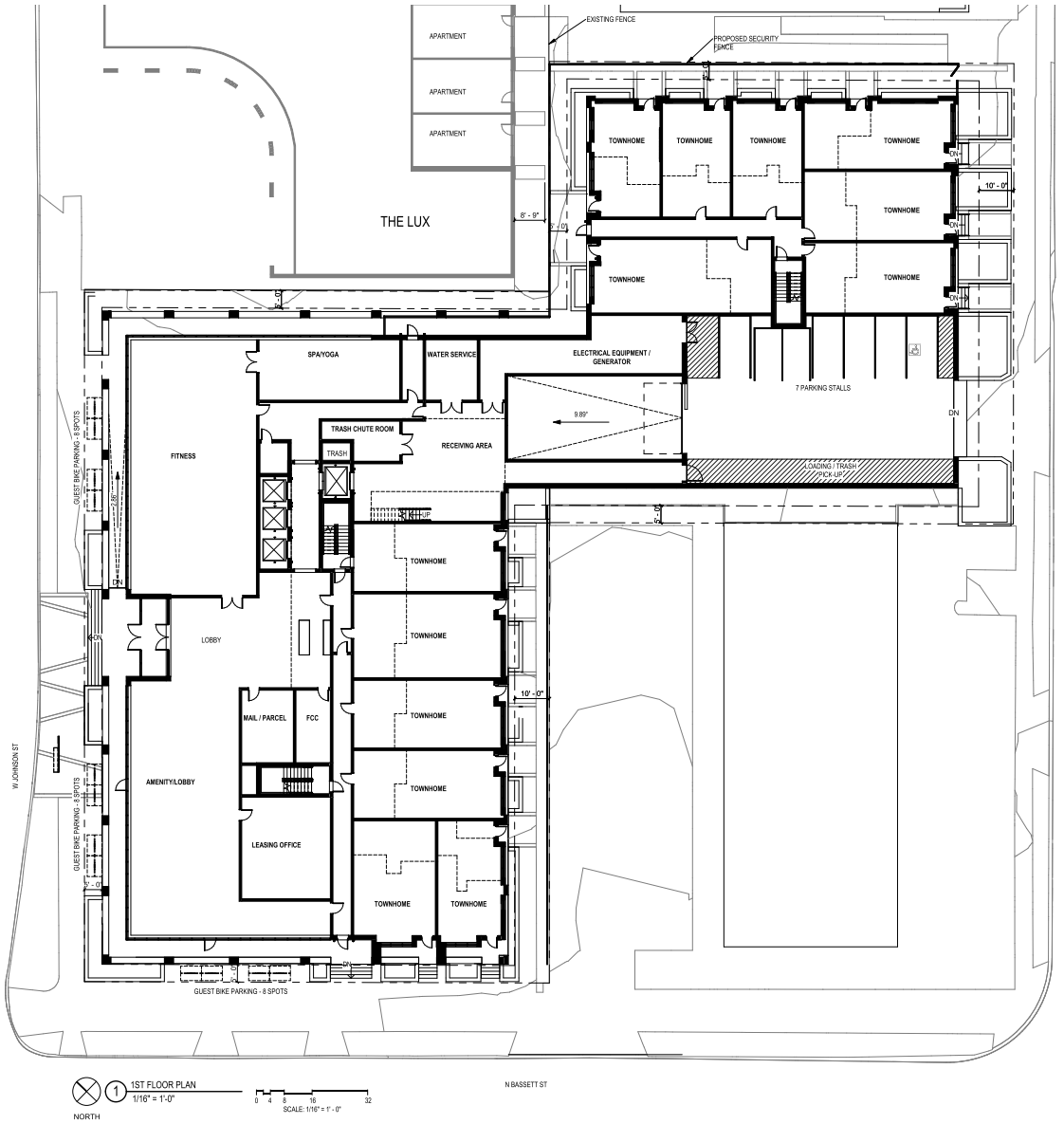
SITE PLAN


THE LUX
BUILDING SETBACK
CONDENSERS
10' - 0"
OPEN
MECH.
OPEN
AMENITY DECK
PLANTERS
GREEN ROOF
MECH.
CONDENSERS
CONDENSERS
POTENTIAL SOLAR
W JOHNSON ST
W DAYTON ST
OPEN
MECH.
OPEN
PROPERTY LINE
10' - 0"
GREEN ROOF
PLANTER
PLANTER
BUS STOP
HOT TUB
SETBACK
LEXINGTON
APARTMENTS
AMENITY DECK
POOL DECK
POOL
PLANTERS
LAWN
PLANTER
AMENITY DECK
GREEN ROOF
N BASSETT ST
1 SITE PLAN
1/16" = 1'-0"
0 4 8 16 32
SCALE: 1/16" = 1' - 0"
NORTH

FLOOR PLAN - LOWER LEVEL



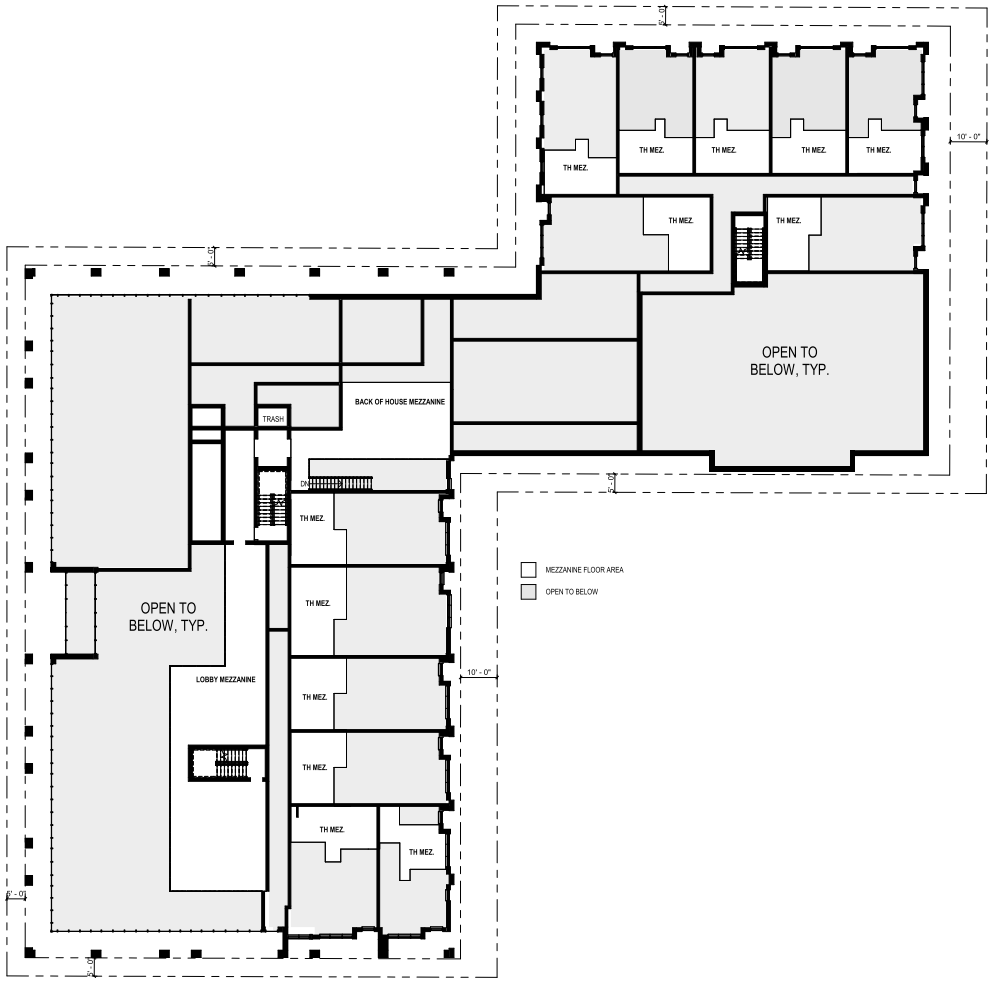
FLOOR PLAN - 1ST - BEFORE REVISIONS



FLOOR PLAN - 1ST - PROPOSED REVISIONS



FLOOR PLAN - TOWNHOMES UPPER LEVEL



1 MEZZANINE
1/16" = 1'-0"

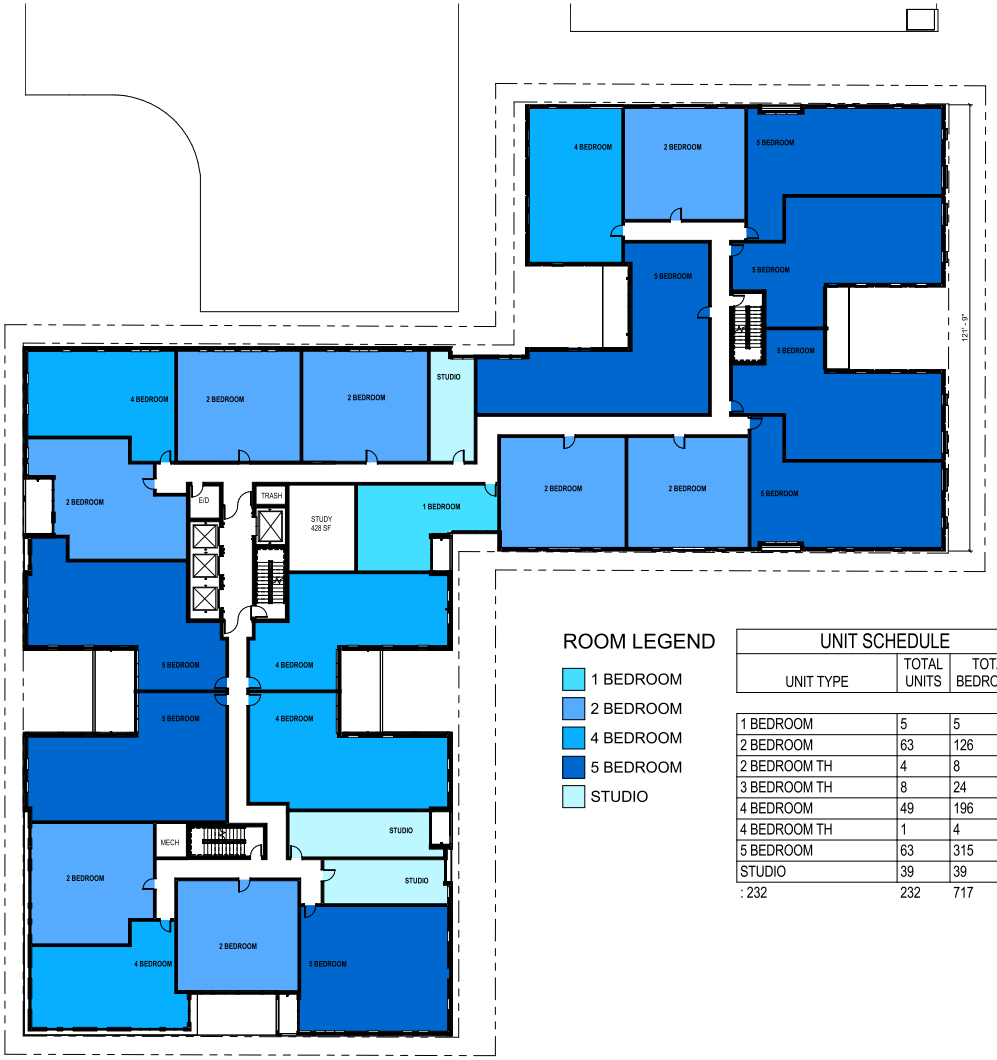
NORTH

0 4 8 16 32
SCALE: 1/16" = 1' - 0"

FLOOR PLAN - 2ND



FLOOR PLAN - 3RD-6TH



ROOM LEGEND

- 1 BEDROOM
- 2 BEDROOM
- 4 BEDROOM
- 5 BEDROOM
- STUDIO

UNIT SCHEDULE

UNIT TYPE	TOTAL UNITS	TOTAL BEDROOMS
1 BEDROOM	5	5
2 BEDROOM	63	126
2 BEDROOM TH	4	8
3 BEDROOM TH	8	24
4 BEDROOM	49	196
4 BEDROOM TH	1	4
5 BEDROOM	63	315
STUDIO	39	39
: 232	232	717

1 3RD - 6TH TYPICAL FLOOR PLAN
1/16" = 1'-0"

0 4 8 16 32
SCALE: 1/16" = 1' - 0"

NORTH

FLOOR PLAN - 7TH

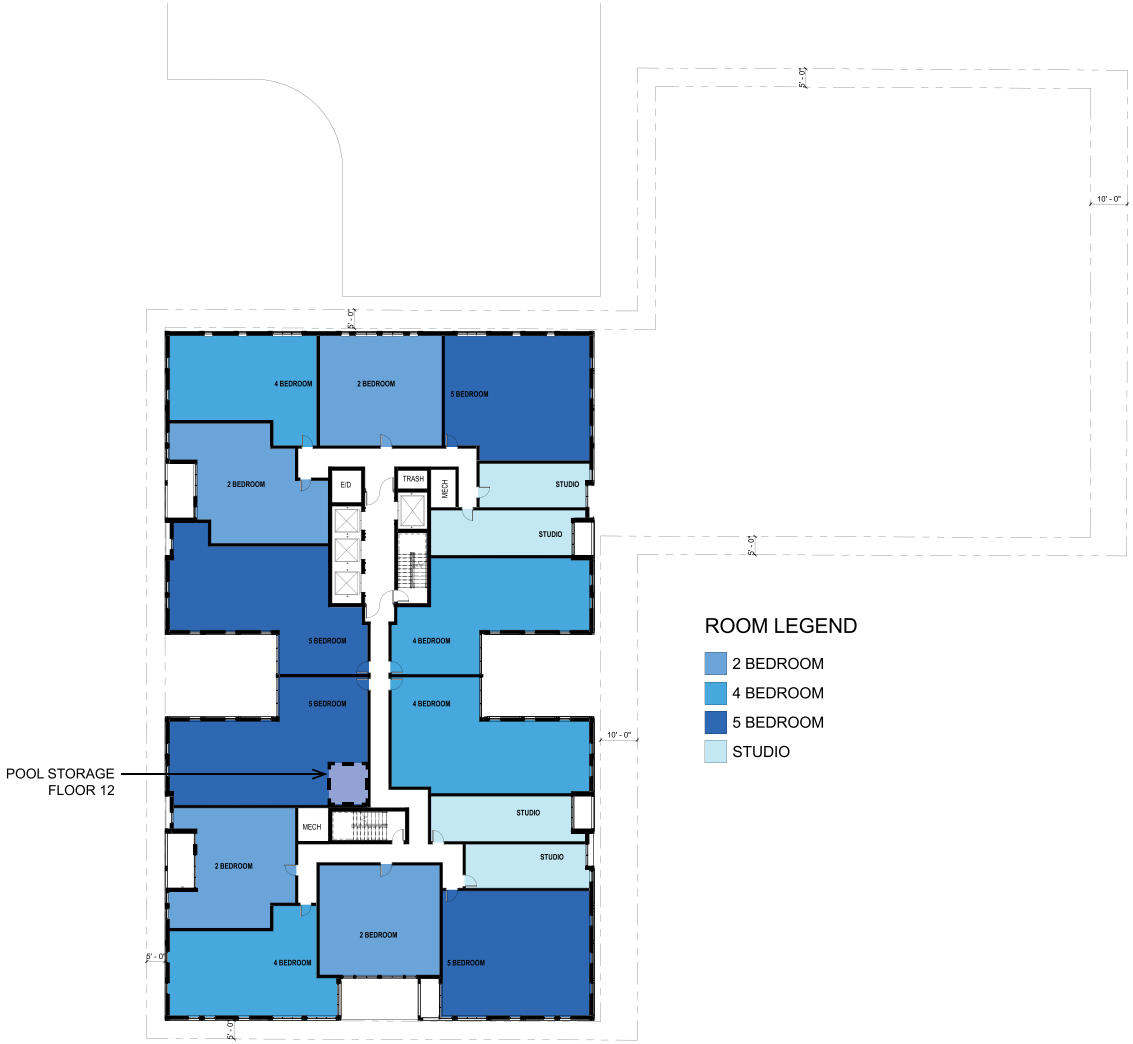


1 7TH FLOOR PLAN
1/16" = 1'-0"

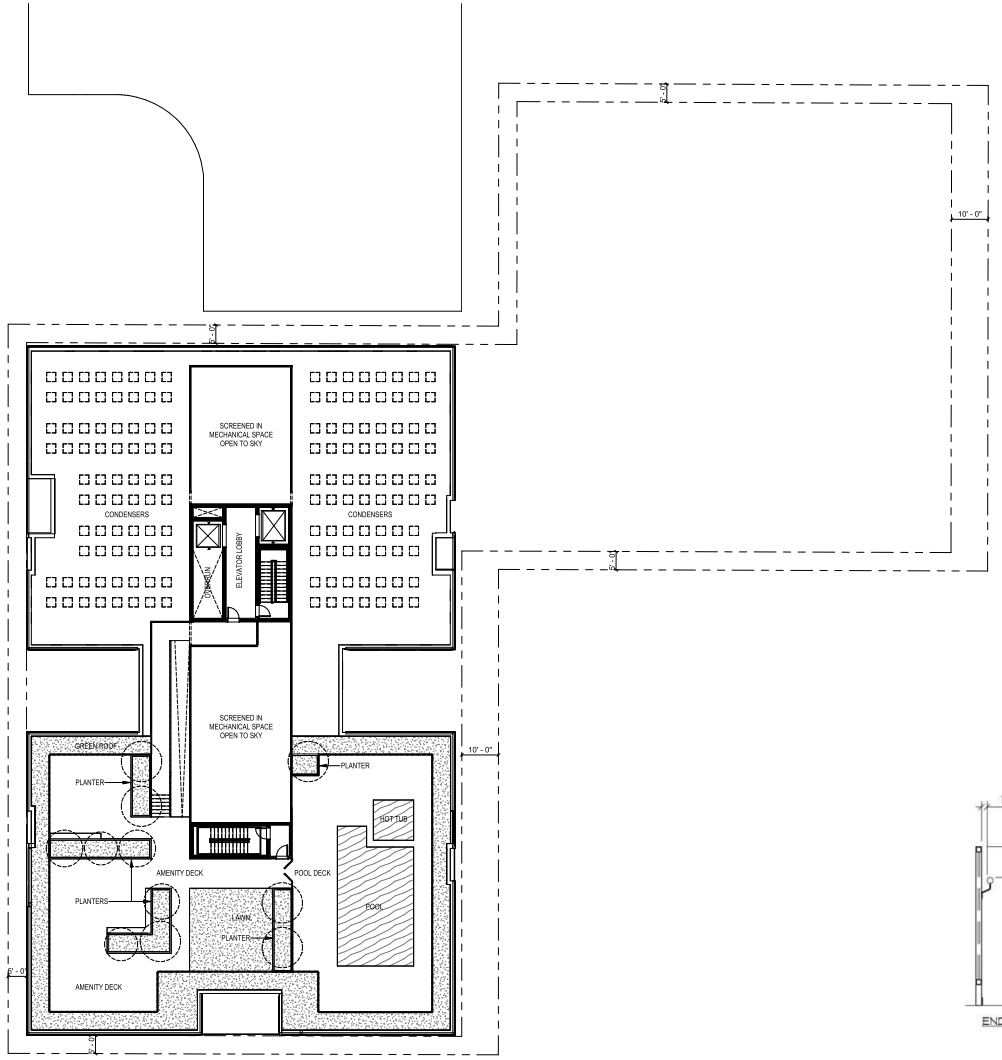
0 4 8 16 32
SCALE: 1/16" = 1'-0"

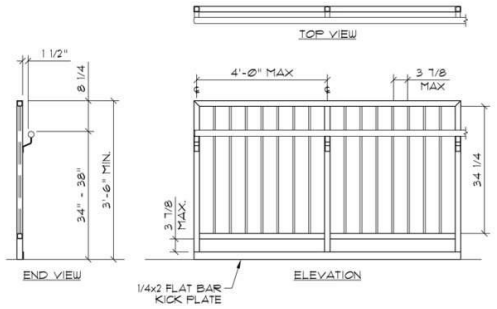
NORTH

FLOOR PLAN - 8TH-12TH



FLOOR PLAN - ROOF





RAILING DETAIL - METAL PICKET, WHITE, HANDRAIL ONLY WHERE REQUIRED

1 ROOF
1/16" = 1'-0"

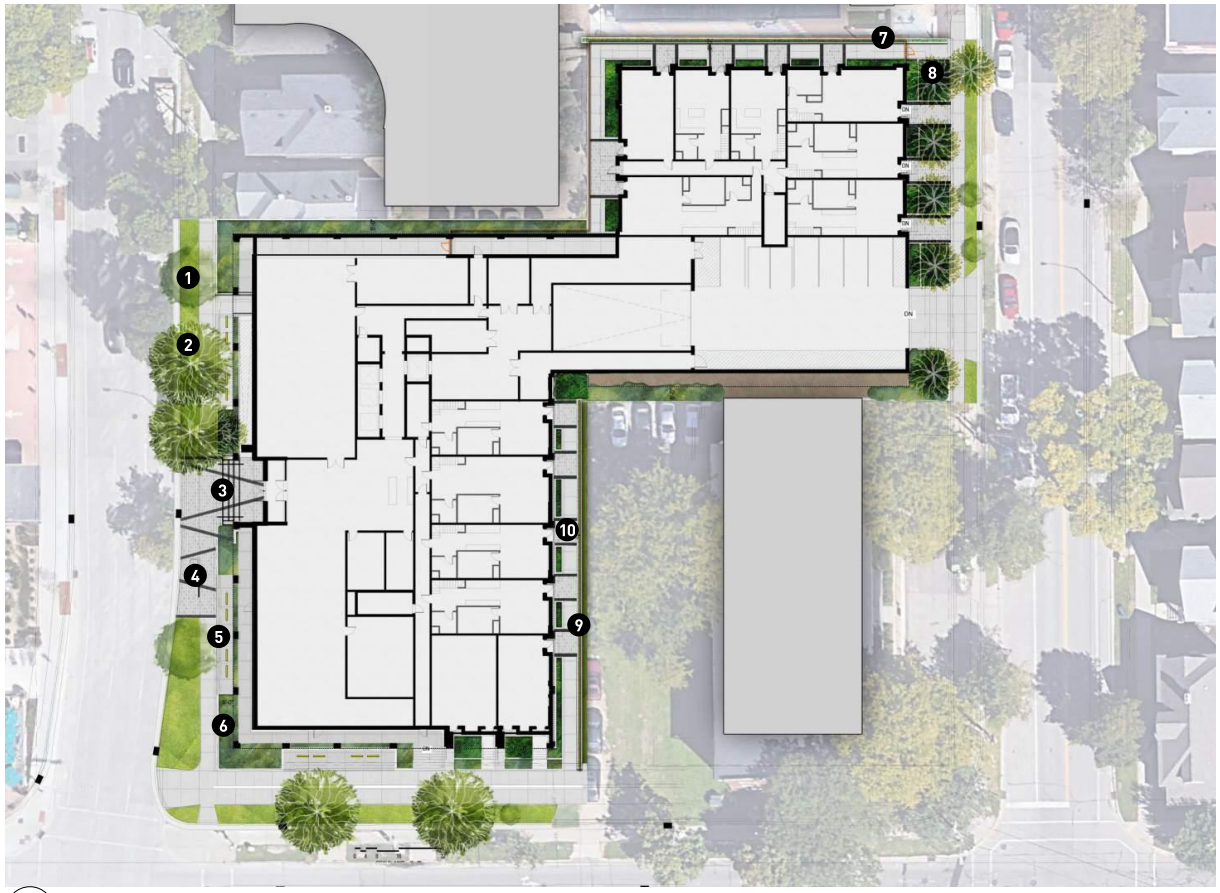
NORTH

0 4 8 16 32
SCALE: 1/16" = 1'-0"

LANDSCAPE CONCEPT - SITE - BEFORE REVISIONS

888 south michigan avenue
suite 1000 chicago, illinois 60605
tel 312.427.7240 fax 312.427.7241
www.site-design.com

CORE SPACES JOHNSON AND BASSETT, MADISON , WISCONSIN
Schematic Design, Project Number: 9591
Jan 27th, 2023



1 CONCEPT 1 A- PLAN
SCALE: 1" = 30'-0"

LEGEND:

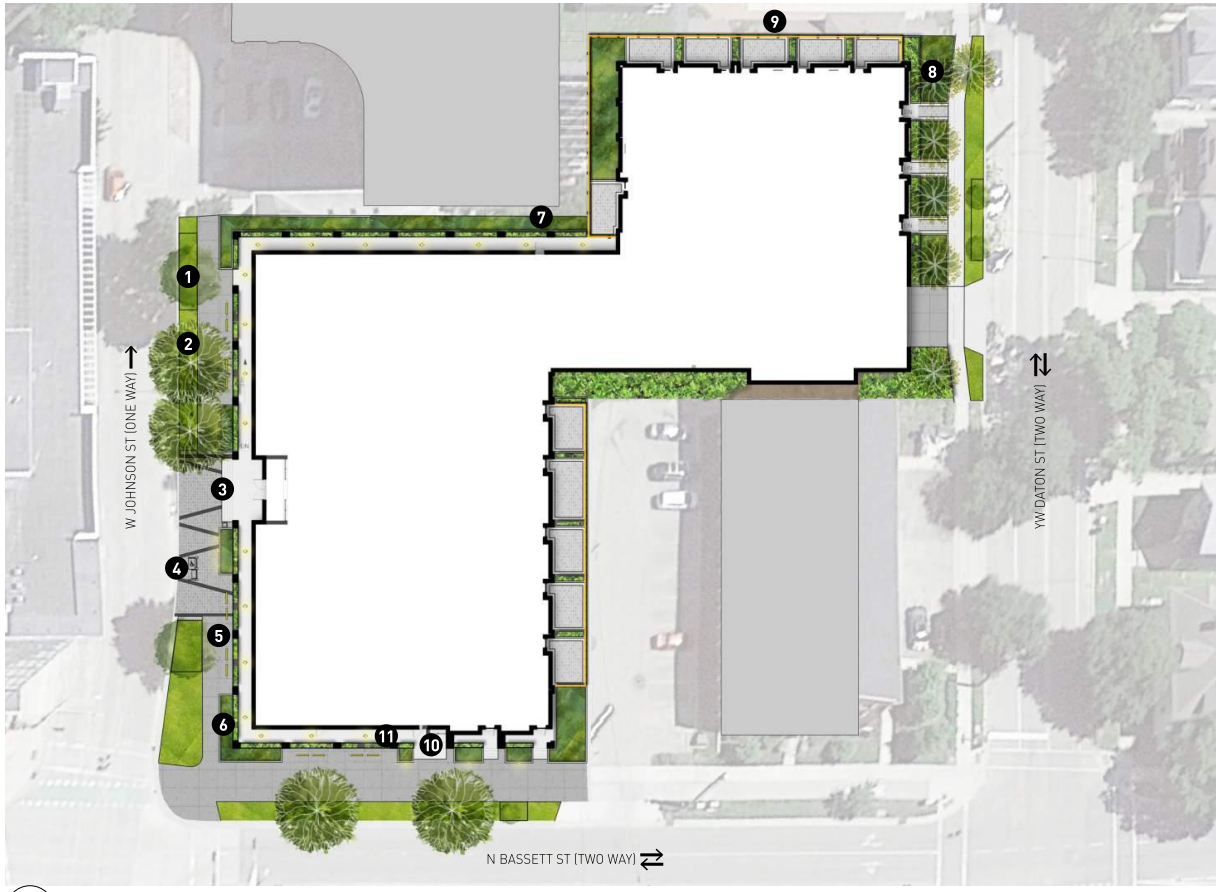
1. PARKWAY W/ EXISTING TREE
2. PROPOSED SHADE TREE
3. ENTRY PLAZA W/ SPECIALTY PAVER
4. BENCH
5. BIKE RACKS
6. RAISED PLANTERS
7. PLANTER ALONG BUILDING FACADE
8. PROPOSED ORNAMENTAL TREE
9. LANDSCAPE SCREENING
10. PRIVATE ENTRY

0'-0" 20'-0" 40'-0" 80'-0"

LANDSCAPE CONCEPT - SITE - PROPOSED REVISIONS

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suite 1000 chicago, illinois 60605
tel 312.427.7240 fax 312.427.7241
www.site-design.com

CORE SPACES JOHNSON AND BASSETT, MADISON , WISCONSIN
Schematic Design, Project Number: 9591
Feb 9th, 2023



1 CONCEPT 1 A- PLAN
SCALE: 1" = 30'-0"

LEGEND:

1. PARKWAY W/ EXISTING TREE
2. PROPOSED SHADE TREE
3. ENTRY PLAZA W/ SPECIALTY PAVER
4. BENCH
5. BIKE RACKS
6. RAISED PLANTERS
7. PLANTER ALONG BUILDING FACADE
8. PROPOSED ORNAMENTAL TREE
9. LANDSCAPE SCREENING
10. PRIVATE ENTRY
11. LANDSCAPE LIGHTING

0'-0" 20'-0" 40'-0" 80'-0"

LANDSCAPE CONCEPT PRECEDENTS

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CORE SPACES JOHNSON AND BASSETT, MADISON , WISCONSIN
Schematic Design, Project Number: 9591
Feb 9th, 2023

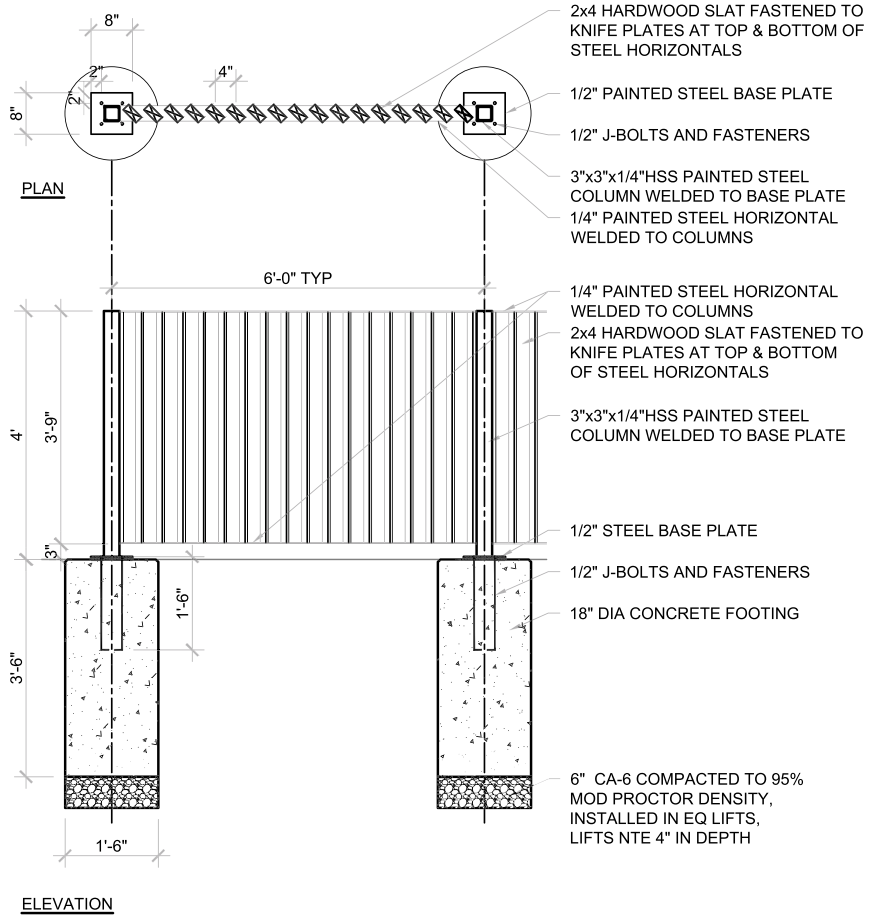


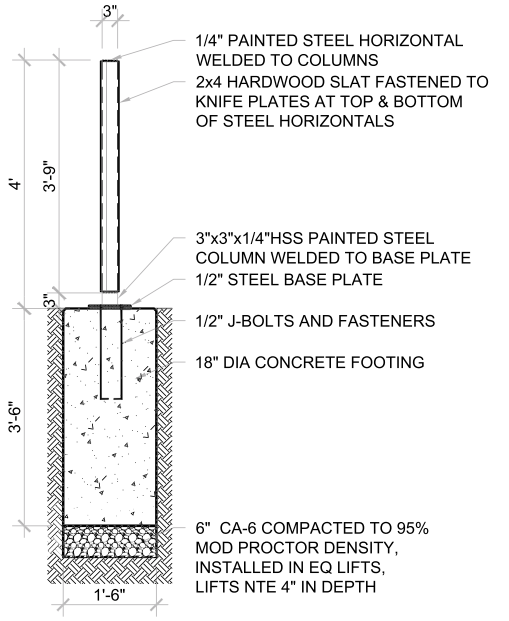






LANDSCAPE CONCEPT - FENCE DETAIL





3 **4'H VERTICAL WOOD SLAT FENCE**
1/2" = 1'-0"

4 **4'H VERTICAL WOOD SLAT FENCE POST DETAIL**
1/2" = 1'-0"

LANDSCAPE CONCEPT - ISOMETRIC ROOFTOP RENDERINGS

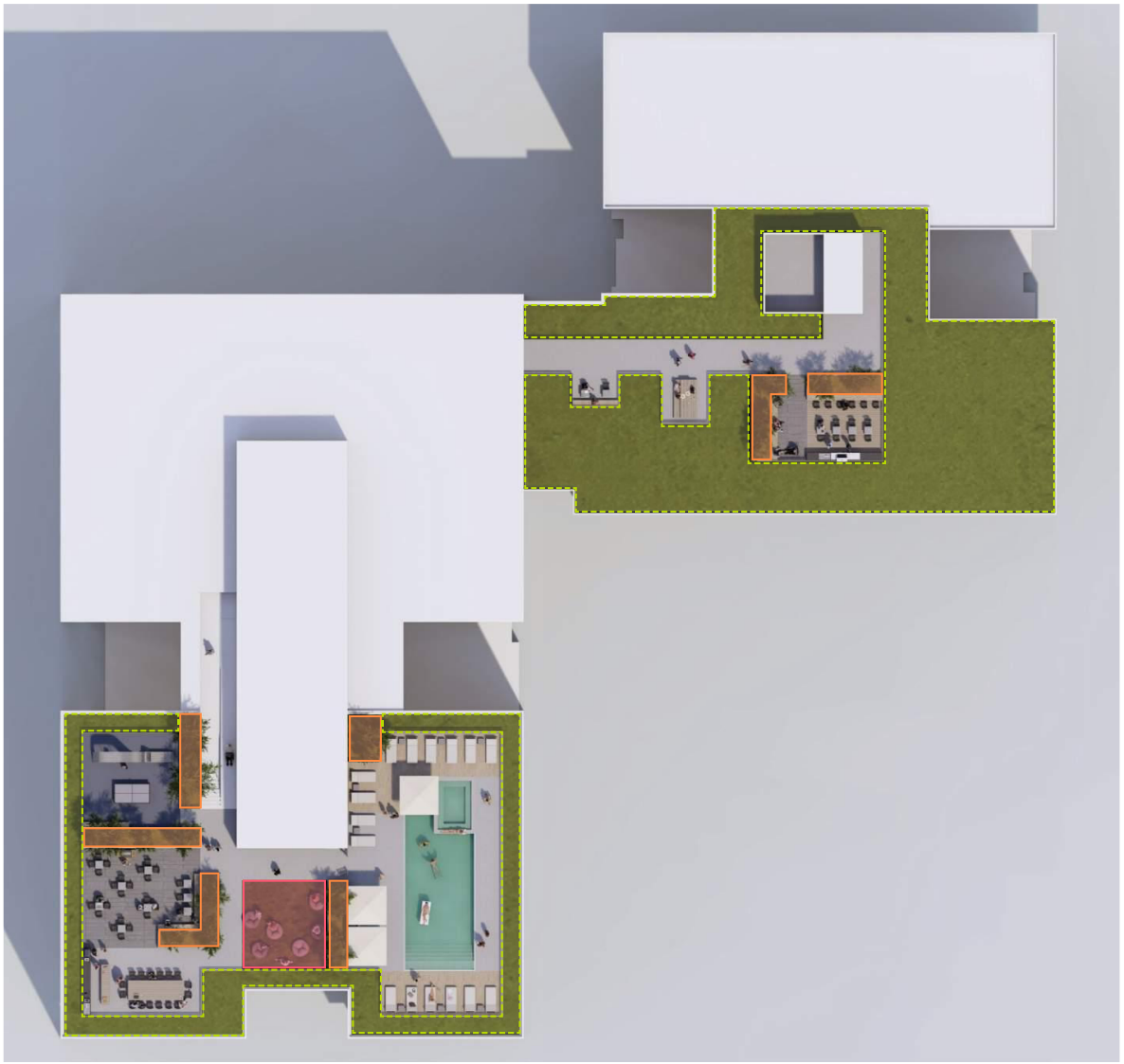


12 STORY ROOF



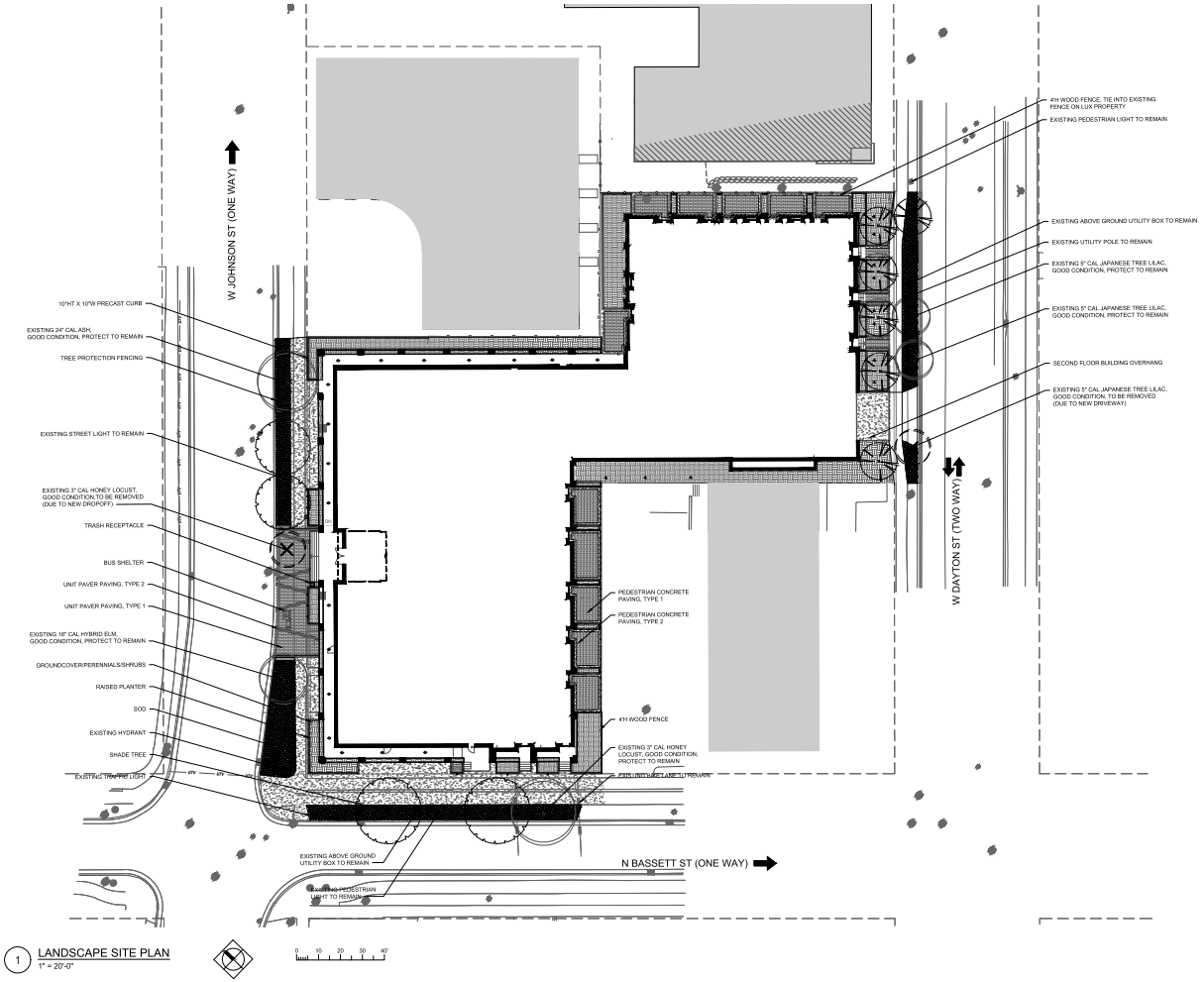
6 STORY ROOF

LANDSCAPE CONCEPT - ROOFTOP LANDSCAPE PLAN



PLANT PALETTE - ROOF LEVELS				
CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOT
RAISED PLANTERS				
UNDERSTORY TREES				
		Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	cont
		Cercis canadensis	Eastern Redbud	cont
		Crataegus crus-galli var. inermis	Thornless Cockspur Hawthorn	cont
DECIDUOUS SHRUBS				
		Aronia melanocarpa 'Morton'	Iroquois Beauty Chokeberry	cont
		Ceanothus americanus	New Jersey Tea	cont
		Cornus sericea 'Bergeson Compact'	Bergeson Compact Redosier Dogwood	cont
		Diervilla lonicera	Dwarf Bush-honeysuckle	cont
		Hypericum kalmianum 'Ames'	Ames St. Johnswort	cont
		Rhus aromatica 'Gro-Low'	Grow Low Fragrant Sumac	cont
		Rosa rugosa 'Meitozaure'	Raspberry Rugostar Rose	cont
EVERGREEN SHRUBS				
		Pinus mugo 'Valley Cushion'	Valley Cushion Mugo Pine	cont
ORNAMENTAL GRASSES, PERENNIALS, & GROUNDCOVERS				
		Heuchera 'Autumn Bride'	Autumn Bride Heuchera	cont
		Pycanthemum virginianum	Mountain Mint	plug
		Schizachyrium scoparium	Little Bluestem	plug
		Sporobolus heterolepis	Prairie Dropseed	plug
ARTIFICIAL TURF				
GREEN ROOF 6" MEDIA DEPTH				
ORNAMENTAL GRASSES, PERENNIALS, & GROUNDCOVERS				
		Agastache 'Blue Fortune'	Blue Fortune Anise Hyssop	plug
		Allium cernuum	Nodding Onion	plug
		Allium schoenoprasum 'Forescate'	Forescate Chives	plug
		Asclepias syriaca	Common Milkweed	plug
		Asclepias tuberosa	Butterfly Weed	plug
		Baptisia australis	Blue False Indigo	cont
		Coreopsis lanceolata	Lance-leaved Coreopsis	seed
		Coreopsis tinctoria	Plains Coreopsis	seed
		Dalea candida	White Prairie Clover	seed
		Dalea purpurea	Purple Prairie Clover	plug
		Echinacea pallida	Pale Coneflower	plug
		Echinacea purpurea	Purple Coneflower	seed
		Eryngium yuccifolium	Rattlesnake Master	plug
		Eupatorium perfoliatum	Common Boneset	seed
		Heliopsis helianthoides	Early Sunflower	seed
		Heuchera 'Autumn Bride'	Autumn Bride Heuchera	cont
		Liatris spicata	Dense Blazing Star	plug
		Monarda fistulosa	Wild Bergamot	plug
		Monarda punctata	Horse Mint	plug
		Panicum virgatum	Switchgrass	seed
		Penstemon digitalis	Foxglove Beardtongue	plug
		Pycanthemum virginianum	Mountain Mint	plug
		Ratibida pinnata	Yellow Coneflower	seed
		Rudbeckia hirta	Black-eyed Susan	seed
		Ruellia humilis	Wild Petunia	plug
		Schizachyrium scoparium	Little Bluestem	plug
		Solidago canadensis	Canada Goldenrod	seed
		Sporobolus heterolepis	Prairie Dropseed	plug
		Symphyotrichum ericoides	Heath Aster	seed
		Symphyotrichum laeve	Smooth Blue Aster	seed
		Symphyotrichum novae-angliae	New England Aster	seed
		Symphyotrichum oolentangiense	Sky Blue Aster	seed
		Verbena hastata	Blue Vervain	seed
BULBS				
		Allium sphaerocephalon	Drumstick Allium	bulb
		Crocus 'Hokus Crocus' MIX	Hocus Crocus Crocus Mix	bulb
		Narcissus 'Gold Shoulder' MIX	Gold Shoulder Daffodil Mix	bulb

LANDSCAPE CONCEPT - SITE



1 LANDSCAPE SITE PLAN
1" = 20'-0"

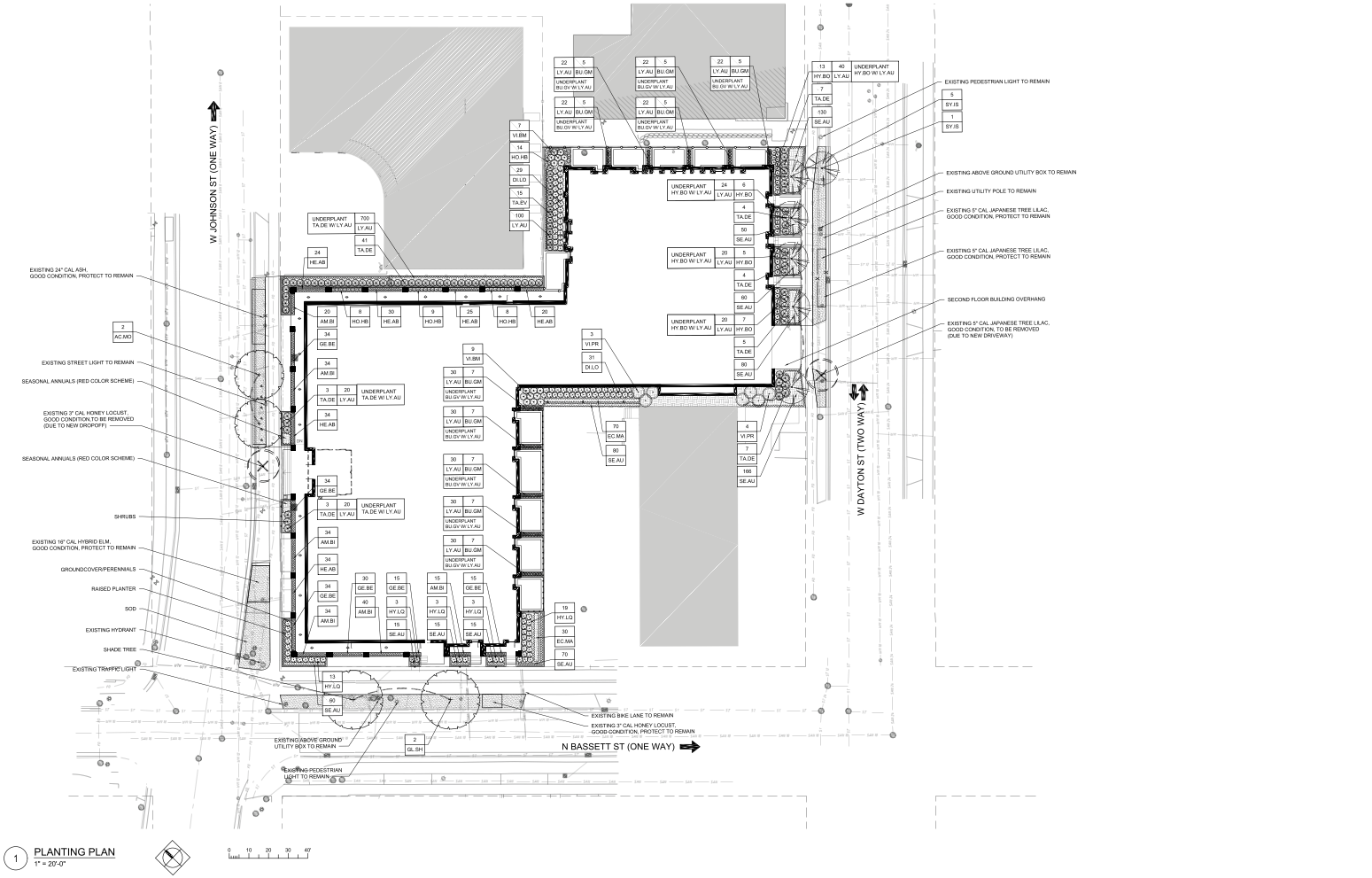
LEGEND

- PROPERTY LINE
- PROJECT LIMIT LINE (OFFSET 10' FOR CLARITY)
- PEDESTRIAN CONCRETE PAVING, TYPE 1
- PEDESTRIAN CONCRETE PAVING, TYPE 2
- UNIT PAVER PAVING, TYPE 1
- UNIT PAVER PAVING, TYPE 2
- RAISED PLANTER
- BENCH
- BUS SHELTER
- SHADE TREE
- ORNAMENTAL TREE
- SHRUBS
- GROUNDCOVER/PERENNIALS
- SOD

NOTES:

1. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHOSE DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
2. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
3. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY AT (608) 266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM
4. SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
5. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
6. STREET TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608) 266-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 PART 1 STANDARDS FOR PRUNING.

LANDSCAPE CONCEPT - SITE



LANDSCAPE CONCEPT - PLANTING SCHEDULE

PLANT SCHEDULE - GROUND FLOOR							
CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	POINTS	REMARKS
TREES - PARKWAY							
AC.MO	2	*Acer miyabei* 'Morton'	State Street Miyabe Maple	B&B	2" cal	70	matching heads
GL.SH	2	*Gleditsia triacanthos var. inermis* 'Shademaster'	Shademaster Honeylocust	B&B	2" cal	70	matching heads
SY.IS	1	*Syringa reticulata* 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	B&B	2" cal	35	
TREES - INTERIOR							
SY.IS	5	*Syringa reticulata* 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	B&B	2" cal	175	matching heads
EVERGREEN SHRUBS							
BU.GM	60	*Buxus* 'Green Mountain'	Green Mountain Boxwood	cont	#5, 15-18"w, 24-30" ht	240	18" o.c.
TA.DE	74	*Taxus x media* 'Densiformis'	Dense Yew	cont	min 24" ht	266	42" o.c.
TA.EV	15	*Taxus x media* 'Everlow'	Everlow Yew	cont	min 24" w	90	36" o.c.
DECIDUOUS SHRUBS							
DI.LO	60	*Diervilla lonicera*	Dwarf Bush Honeysuckle	cont	#3, min 18" ht	180	36" o.c.
HY.BO	31	*Hydrangea paniculata* 'Ilvobo' BOBO	Bobo Panicled Hydrangea	cont	#3, min 18" ht	93	30" o.c.
HY.LQ	41	*Hydrangea paniculata* 'SMHPLQF'	Little Quickfire Panicled Hydrangea	cont	#5, min 24" ht	123	36" o.c.
VI.BM	16	*Viburnum dentatum* 'Christom'	Blue Muffin Arrowwood Viburnum	cont	#5, min 30" ht	48	42" o.c.
VI.PR	7	*Viburnum prunifolium*	Blackhaw Viburnum	B&B	min 5' ht x w	21	8' o.c.
ORNAMENTAL GRASSES & PERENNIALS							
AM.BI	177	*Amsonia* 'Blue Ice'	Blue Ice Blue Star	cont	#1	354	12" o.c.
EC.MA	100	*Echinacea purpurea* 'Magnus'	Magnus Purple Coneflower	cont	#1	200	18" o.c.
GE.BE	162	*Geranium* 'Bevan's Variety'	Bevans Cranesbill	cont	#1	324	12" o.c.
HE.AB	167	*Heuchera 'Autumn Bride'*	Autumn Bridge Heuchera	cont	#1	334	12" o.c.
HO.HS	39	*Hosta* 'Hadspen Blue'	Hadspen Blue Hosta	cont	#1	78	24" o.c.
GROUNDCOVERS							
LY.AU	1204	*Lysimachia nummularia* 'Aurea'	Golden Creeping Jenny	cell	4" pot	-	10" o.c.
SE.AU	741	*Sesleria autumnalis*	Autumn Moor Grass	cont	#1, min 12" ht	-	15" o.c.
SEASONAL ANNUALS (RED & WHITE COLOR SCHEME)							
-	-	-	To be determined by owner pending season	pot	-	-	-
					TOTAL POINTS:	2,526	

1 PLANTING SCHEDULE - GROUND LEVEL

PLANT SCHEDULE - LEVEL 6							
CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	SPACING	REMARKS
ORNAMENTAL TREES							
RH.TY	3	*Rhus typhina*	Staghorn Sumac	con't/B&B	6' ht		rootball max 24" in depth
ORNAMENTAL GRASSES & PERENNIALS							
AM.BI	28	*Amsonia* 'Blue Ice'	Blue Ice Blue Star	cont	#1	15" o.c.	15" o.c.
HE.AB	21	*Heuchera 'Autumn Bride'*	Autumn Bridge Heuchera	cont	#1	15" o.c.	15" o.c.
SE.AU	33	Sesleria autumnalis	Autumn Moor Grass	cont	#1	15" o.c.	15" o.c.
LIVE ROOF - SCHOOL PRIDE MIX GREENROOF TRAY PLANTING: **5,800 SF**							min. 95% coverage
-	-	*Sedum acre* 'Olivia's Gold'	Olivia's Gold Stonecrop	carpet	-		
-	-	*Sedum album* 'Coral Carpet'	Coral Carpet Stonecrop	carpet	-		
-	-	*Sedum sexangluare* 'Elatum'	Elatum Stonecrop	carpet	-		
-	-	*Sedum spurium* 'John Creech'	John Creech Stonecrop	carpet	-		
ACCENT PLANTS (appox. 1 per every 2 modules)							
-		*Allium senescens subsp. montanum*	Allium	4" pot	plug		
-		*Euphorbia myrsinites*	Blue Spurge	4" pot	plug		
-		*Sedum spectabile* 'Brilliant'	Brilliant Stonecrop	4" pot	plug		
-		*Sedum spectabile* 'Star Durst'	Star Dust Stonecrop	4" pot	plug		

Note: Accent Plants to be pre-grown into sedum carpets
Note: Sedum Carpet from Live Roof or approved equal

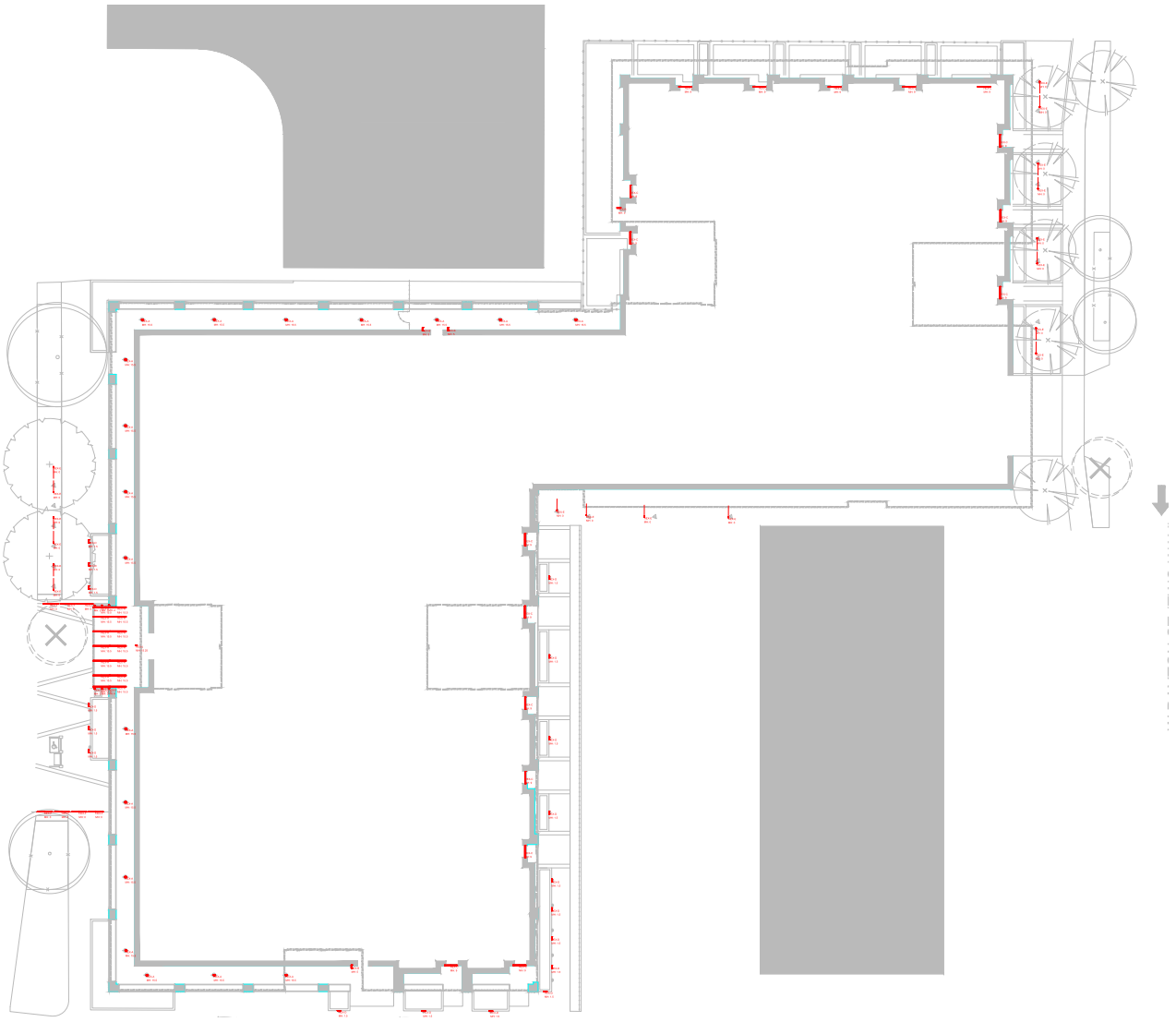
2 PLANTING SCHEDULE - LEVEL 6

PLANT SCHEDULE - LEVEL 12							
CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	SPACING	REMARKS
ORNAMENTAL TREES							
AM.AB	5	*Amelanchier x grandiflora* 'Autumn Brilliance'	Autumn Brilliance Serviceberry	con't/B&B	8' ht		rootball max 24" in depth
RH.TY	8	*Rhus typhina*	Staghorn Sumac	con't/B&B	6' ht		rootball max 24" in depth
DECIDUOUS SHRUBS							
DI.KO	23	*Diervilla lonicera* 'Kodiak Orange'	Kodiak Orange Dwarf Bush Honeysuckle	cont	#5, 24" w	36" oc	
RO.RU	32	*Rosa rugosa* 'Meitozaure'	Raspberry Rugostar Rugosa Rose	cont	#5, 24" w	36" oc	
ORNAMENTAL GRASSES & PERENNIALS							
AL.SS	34	*Allium* 'Summer Beauty'	Summer Beauty Ornamental Onion	cont	#1		15" o.c.
AS.TU	17	*Asclepias tuberosa*	Butterflyweed	cont	#1		18" o.c.
CA.NE	34	*Calamintha nepeta subsp. Nepeta*	Lesser Calamint	cont	#1		15" o.c.
EC.TE	26	*Echinacea tennesseensis*	Tennessee Coneflower	cont	#1		18" o.c
RU.AG	17	*Rudbeckia* 'American Goldrush'	American Goldrush Black Eyed Susan	cont	#1		18" o.c.
SE.AU	70	*Sesleria autumnalis*	Autumn Moor Grass	cont	#1		15" o.c.
SP.HE	42	*Sporobolus heterolepis*	Prairie Dropseed	cont	#1		18" o.c.
LIVE ROOF - SCHOOL PRIDE MIX GREENROOF TRAY PLANTING: **1,600 SF**							min. 95% coverage
-	-	*Sedum acre* 'Olivia's Gold'	Olivia's Gold Stonecrop	carpet	-		
-	-	*Sedum album* 'Coral Carpet'	Coral Carpet Stonecrop	carpet	-		
-	-	*Sedum sexangluare* 'Elatum'	Elatum Stonecrop	carpet	-		
-	-	*Sedum spurium* 'John Creech'	John Creech Stonecrop	carpet	-		
ACCENT PLANTS (appox. 1 per every 2 modules)							
-		*Allium senescens subsp. montanum*	Allium	4" pot	plug		
-		*Euphorbia myrsinites*	Blue Spurge	4" pot	plug		
-		*Sedum spectabile* 'Brilliant'	Brilliant Stonecrop	4" pot	plug		
-		*Sedum spectabile* 'Star Durst'	Star Dust Stonecrop	4" pot	plug		

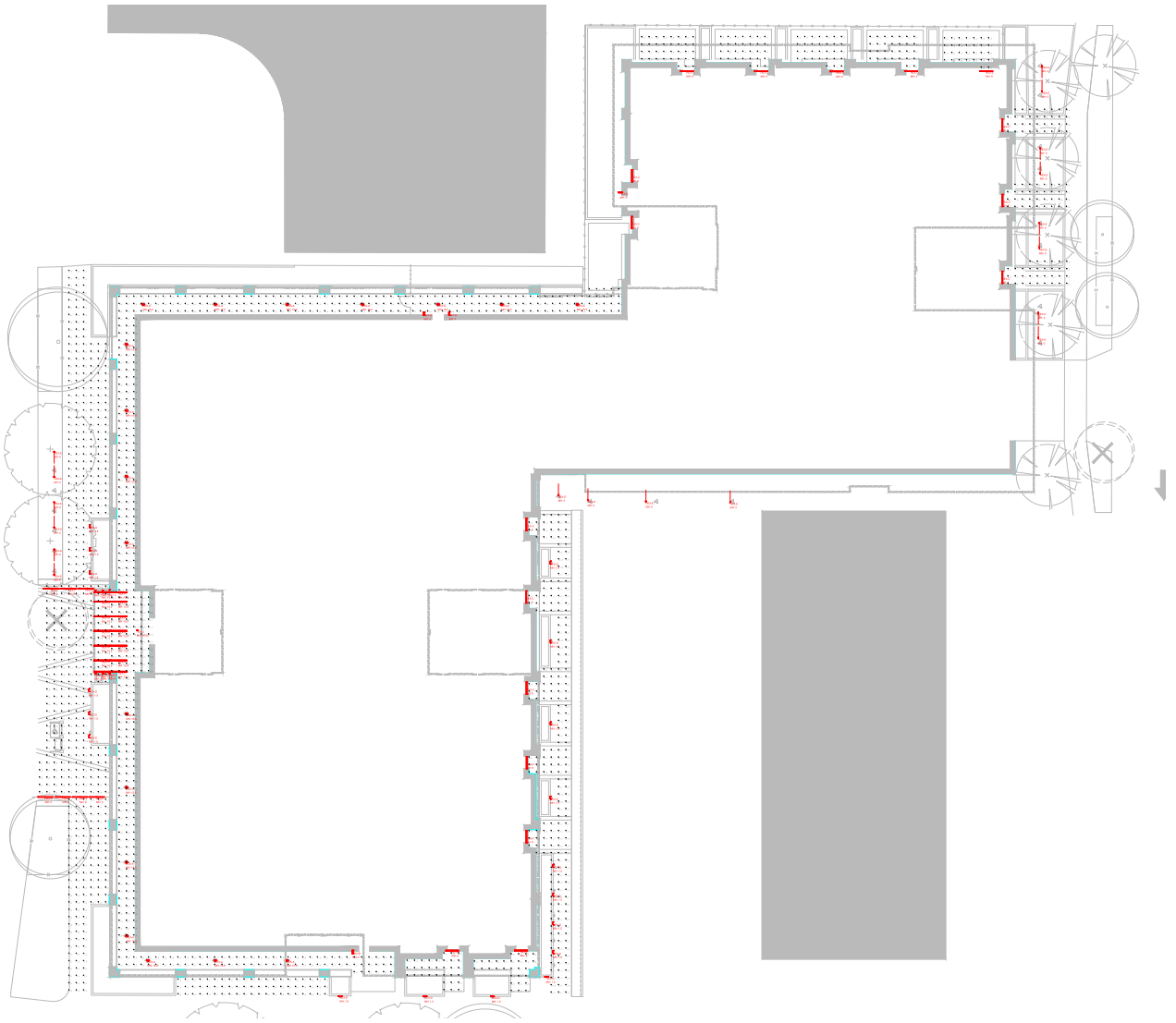
Note: Accent Plants to be pre-grown into sedum carpets
Note: Sedum Carpet from Live Roof or approved equal

3 PLANTING SCHEDULE - LEVEL 12

LIGHTING CONCEPT - SITE



LIGHTING CONCEPT - SITE PHOTOMETRIC

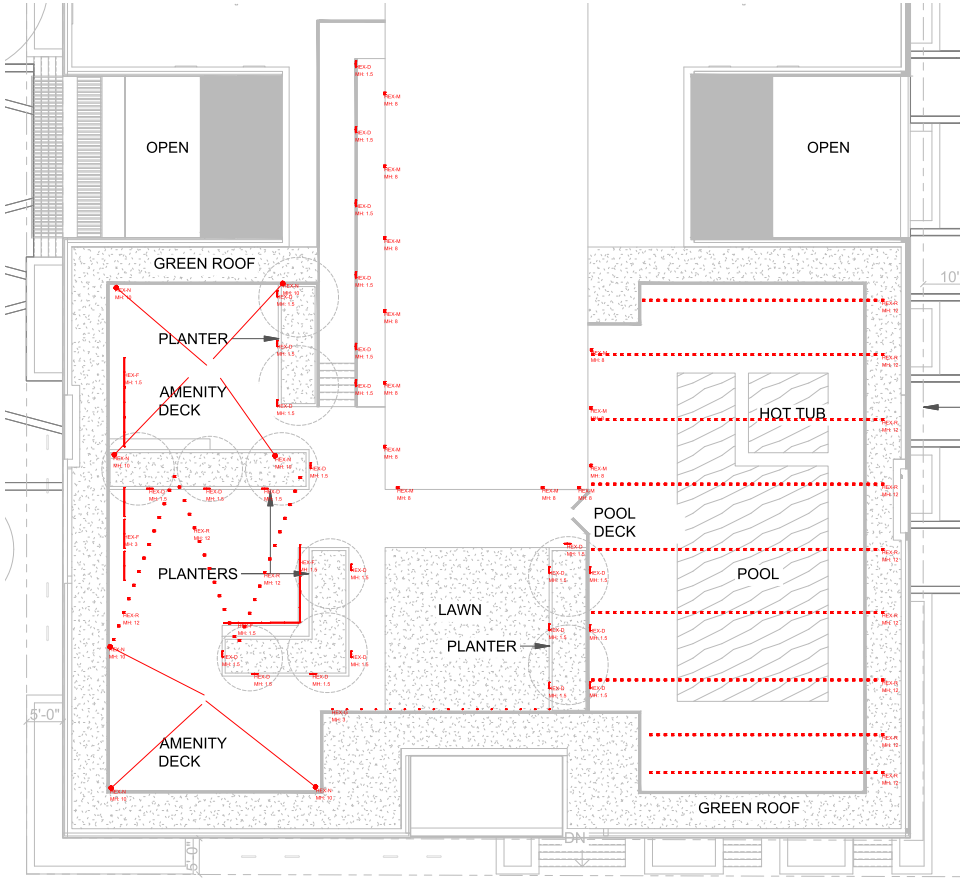


LIGHTING CONCEPT - SITE FIXTURE SCHEDULE

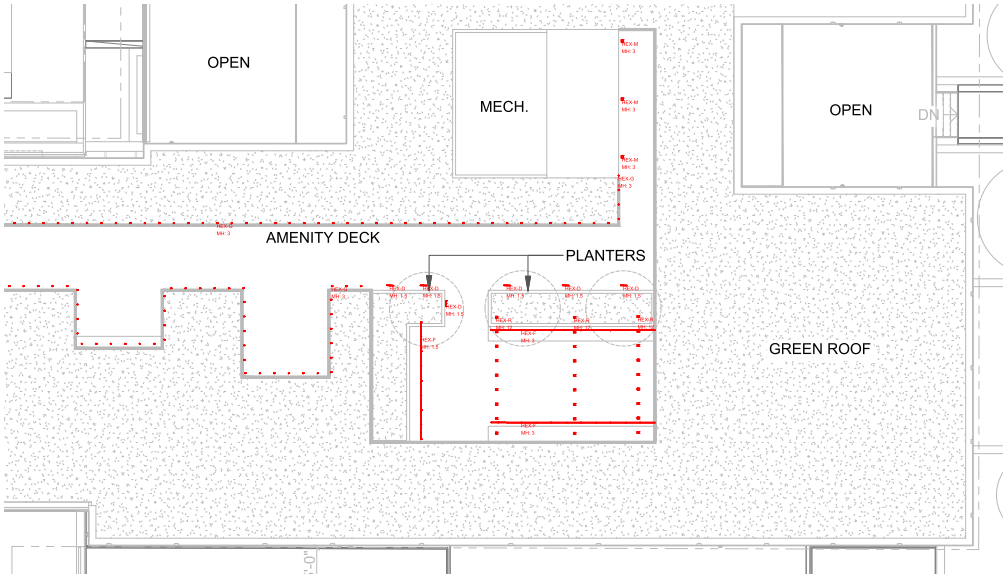
Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	18	HEXA_EVO4 30_10 AR MWD LD	Single	EVO4 30_10 AR MWD LD	HEX-A	0.900	852	8.8	158.4
	4	AT6510-BK - Slate	Single	AT6510-BK HEX-B Opt2	HEX-B	0.900	1104	20.6	82.4
	17	OW2484-L35K-H	Single	OW2480	HEX-C	0.900	1952	39.5	671.5
	18	S6240W	Single	S6240W_14	HEX-D	0.900	422	13.5	243
	18	LED-e66-MFL-12-ITL85922	Single	NS-LED-e66-MFL-12, AR-LED-TR-e66-MFL-12, AR-LED-RM-e66-MFL-12, DS-LED-e66-MFL-12	HEX-E	0.900	458	6.77	121.86
	7	LL18WET-T-30K_IESNA2002	Single	LL18WET-T-30K	HEX-F	0.900	484	6.1	42.7
	6	LULF30K705	Single	LULF30K705	HEX-G	0.900	94	1.95	11.7
	14	ACL3ST4LS40UHE	Single	ACL3ST4LS40UHE	HEX-H	0.900	2261	19	266
	1	Rosco-Image-Spot-3000K-Medium	Single		HEX-J	0.900	479	29.26	29.26

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Bike Stall_S	Illuminance	Fc	1.65	3.1	0.3	5.50	10.33
Porch_E_1	Illuminance	Fc	3.03	9.3	0.5	6.06	18.60
Porch_E_2	Illuminance	Fc	3.05	9.3	0.5	6.10	18.60
Porch_E_3	Illuminance	Fc	2.95	9.2	0.4	7.38	23.00
Porch_N_1	Illuminance	Fc	2.93	9.3	0.1	29.30	93.00
Porch_N_2	Illuminance	Fc	3.12	9.1	0.1	31.20	91.00
Porch_N_3	Illuminance	Fc	3.19	9.1	0.1	31.90	91.00
Porch_N_4	Illuminance	Fc	2.91	9.1	0.1	29.10	91.00
Porch_N_5	Illuminance	Fc	2.98	9.1	0.1	29.80	91.00
Porch_S_1	Illuminance	Fc	3.36	9.5	0.1	33.60	95.00
Porch_S_2	Illuminance	Fc	3.45	8.6	0.1	34.50	86.00
Sidewalk_W	Illuminance	Fc	5.42	41.3	0.0	N.A.	N.A.
Walkway_1	Illuminance	Fc	6.81	38.4	0.3	22.70	128.00
Walkway_2	Illuminance	Fc	7.16	133.8	0.2	35.80	669.00
Walkway_3	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.

LIGHTING CONCEPT - ROOF



12 STORY ROOF

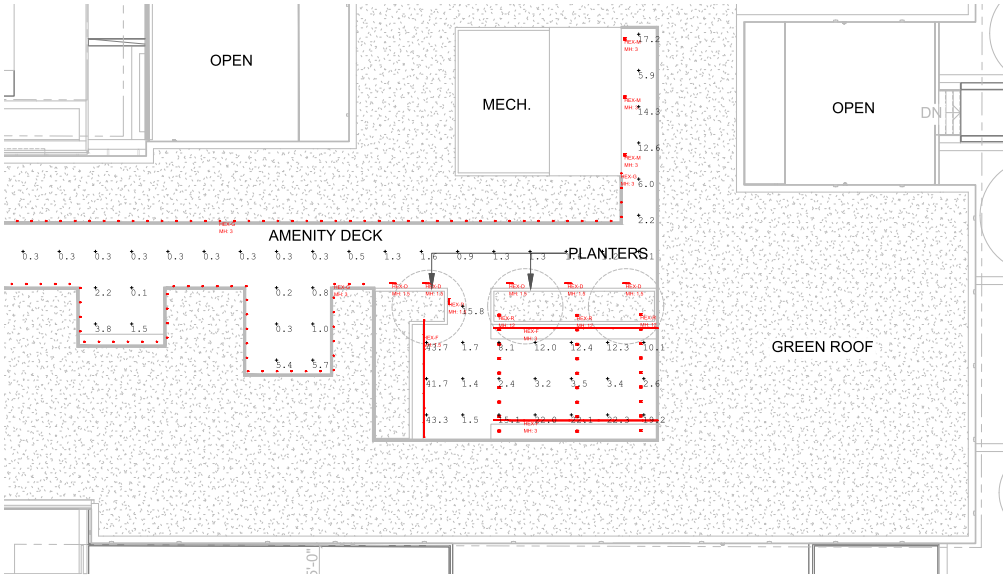


6 STORY ROOF

LIGHTING CONCEPT - ROOF PHOTOMETRIC



12 STORY ROOF



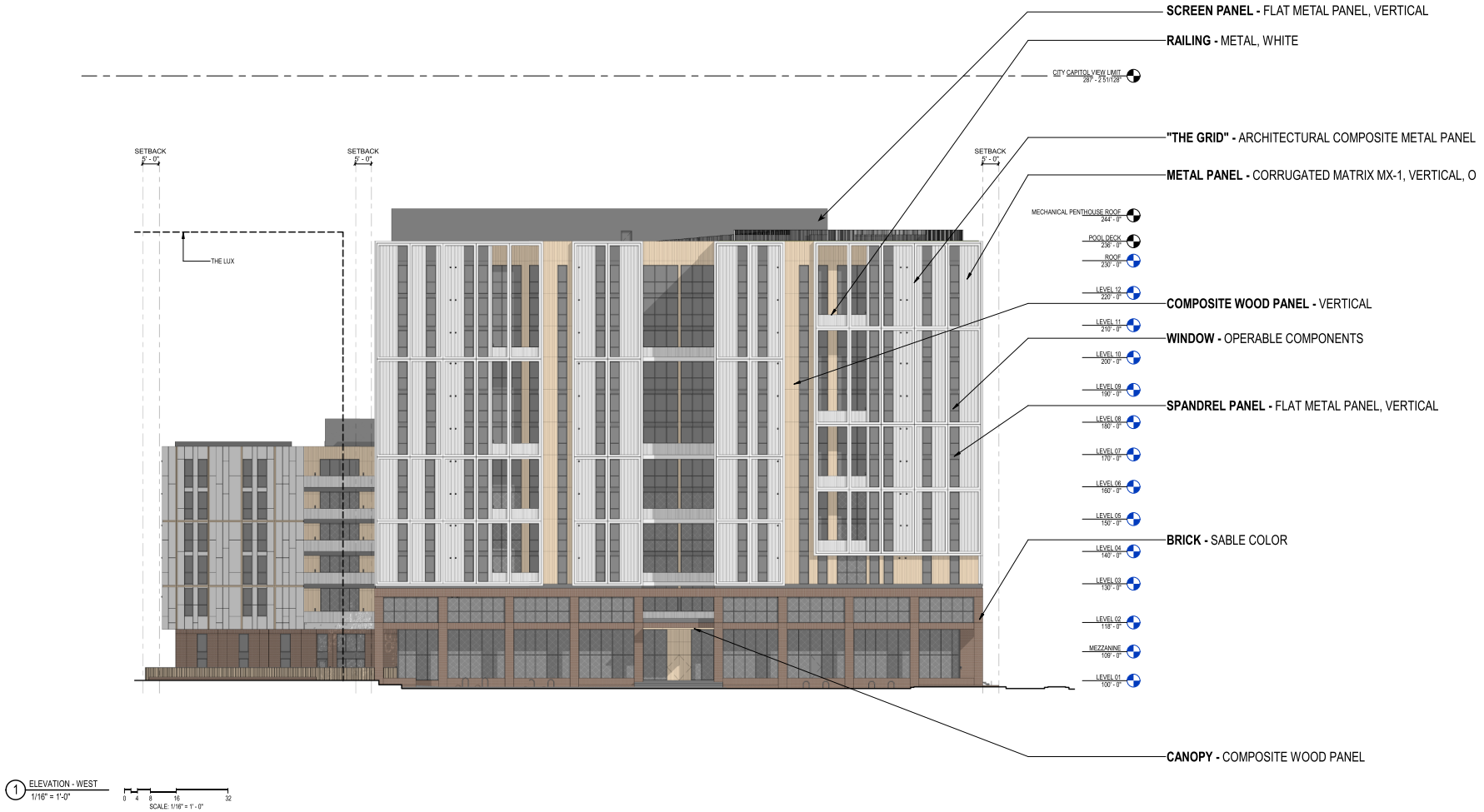
6 STORY ROOF

LIGHTING CONCEPT - ROOF FIXTURE SCHEDULE

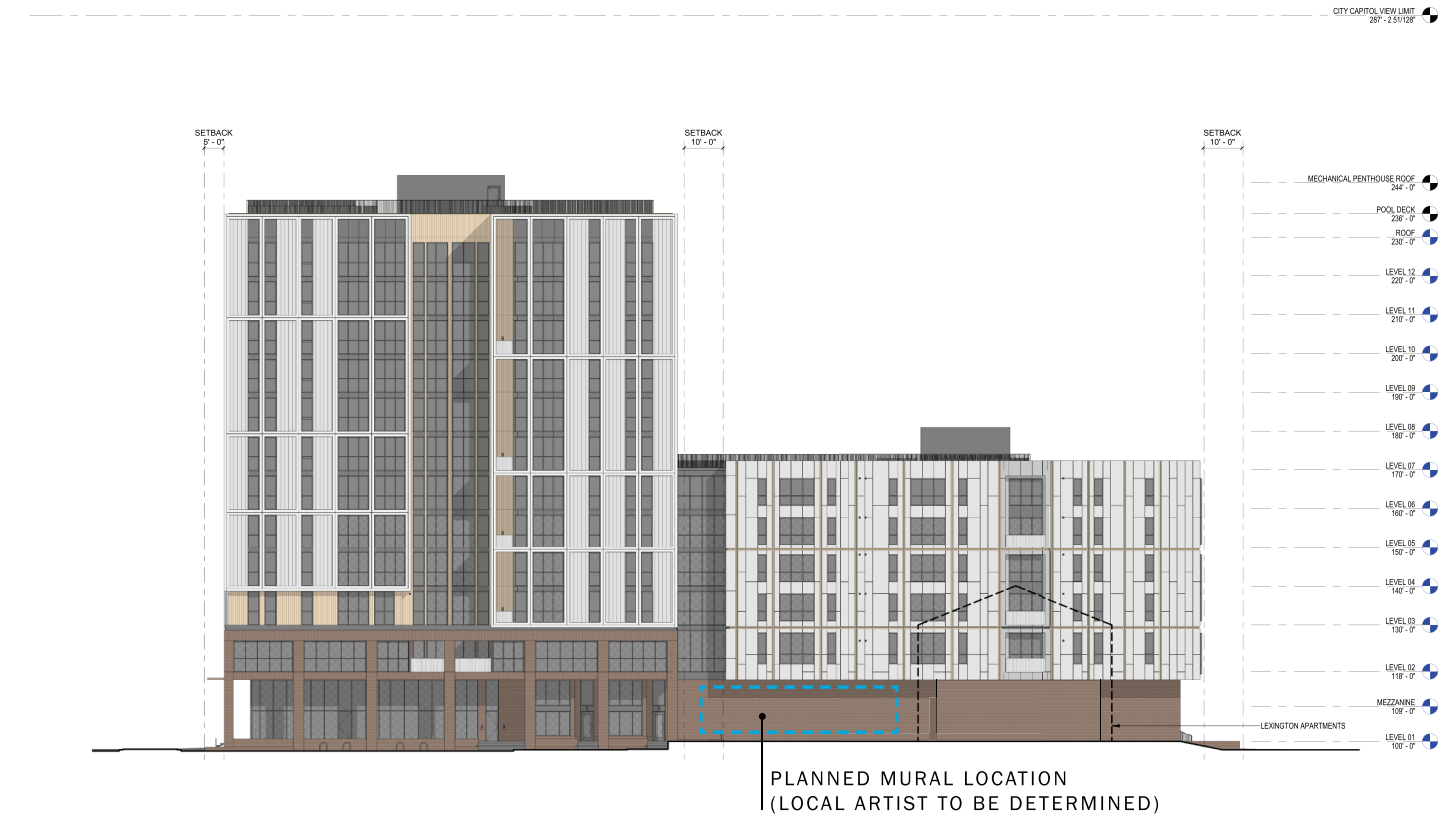
							Lumens	Watts	Watts
	7	HEX-N_EQ111E046LDT440K	Single	EQ111E046LDT440K	HEX-N	0.900	5605	46.41	324.87
	411	7828-LSL2-B-12-V-30-F	Single	LSL2-B-12-V-30-F	HEX-R	0.900	73	0.8	328.8
	4	LL18WET-T-30K_IESNA2002_1	Single	LL18WET-T-30K 2ft	HEX-F	0.450	484	6.1	24.4
	15	102171228CHI-032 GB 700OWSPIT	Single	700OWSPITSC-LED830	HEX-M	0.900	803	26.2	393
	109	LULF30K705	Single	LULF30K705	HEX-G	0.900	94	1.95	212.55
	24	LL18WET-T-30K_IESNA2002	Single	LL18WET-T-30K	HEX-F	0.450	484	6.1	146.4
	31	S6240W	Single	S6240W_14	HEX-D	0.900	422	13.5	418.5

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
NE_Dining	Illuminance	Fc	8.44	21.9	1.1	7.67	19.91
NE_Walkway	Illuminance	Fc	2.72	17.2	0.1	27.20	172.00
S_Dining	Illuminance	Fc	7.32	41.4	1.9	3.85	21.79
S_Grass Lounge	Illuminance	Fc	2.59	7.9	0.7	3.70	11.29
S_PingPong	Illuminance	Fc	6.48	15.1	2.4	2.70	6.29
S_Pool	Illuminance	Fc	5.10	35.5	2.7	1.89	13.15
S_Stairs and Ramp	Illuminance	Fc	5.03	7.1	1.2	4.19	5.92
S_Walkway	Illuminance	Fc	8.84	32.9	0.8	11.05	41.13

ELEVATION - NW / JOHNSON STREET



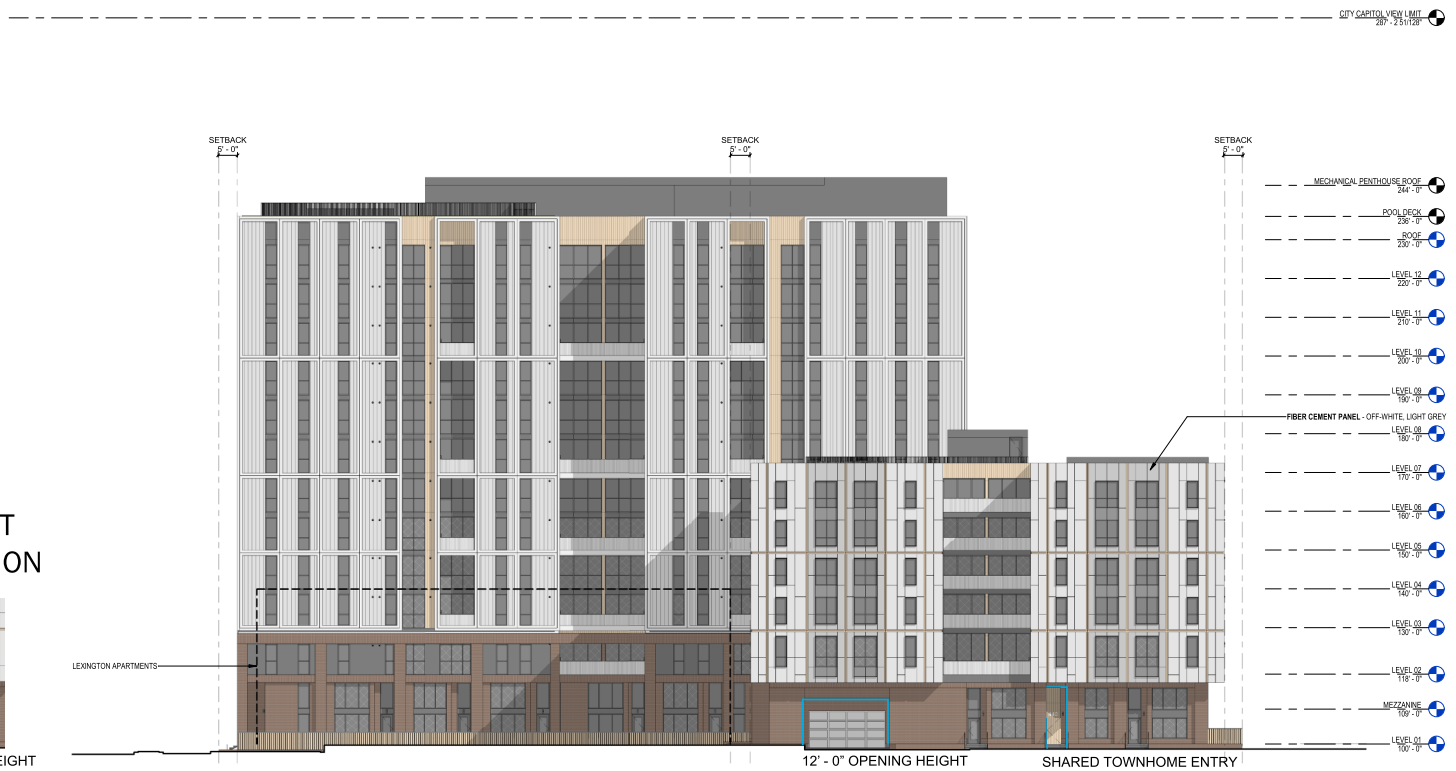
ELEVATION - SW / BASSETT STREET



1 ELEVATION - SOUTH
1/16" = 1'-0"

0 4 8 16 32
SCALE: 1/16" = 1' - 0"

ELEVATION - SE / DAYTON STREET



OPENING HEIGHT
PRIOR TO REVISION

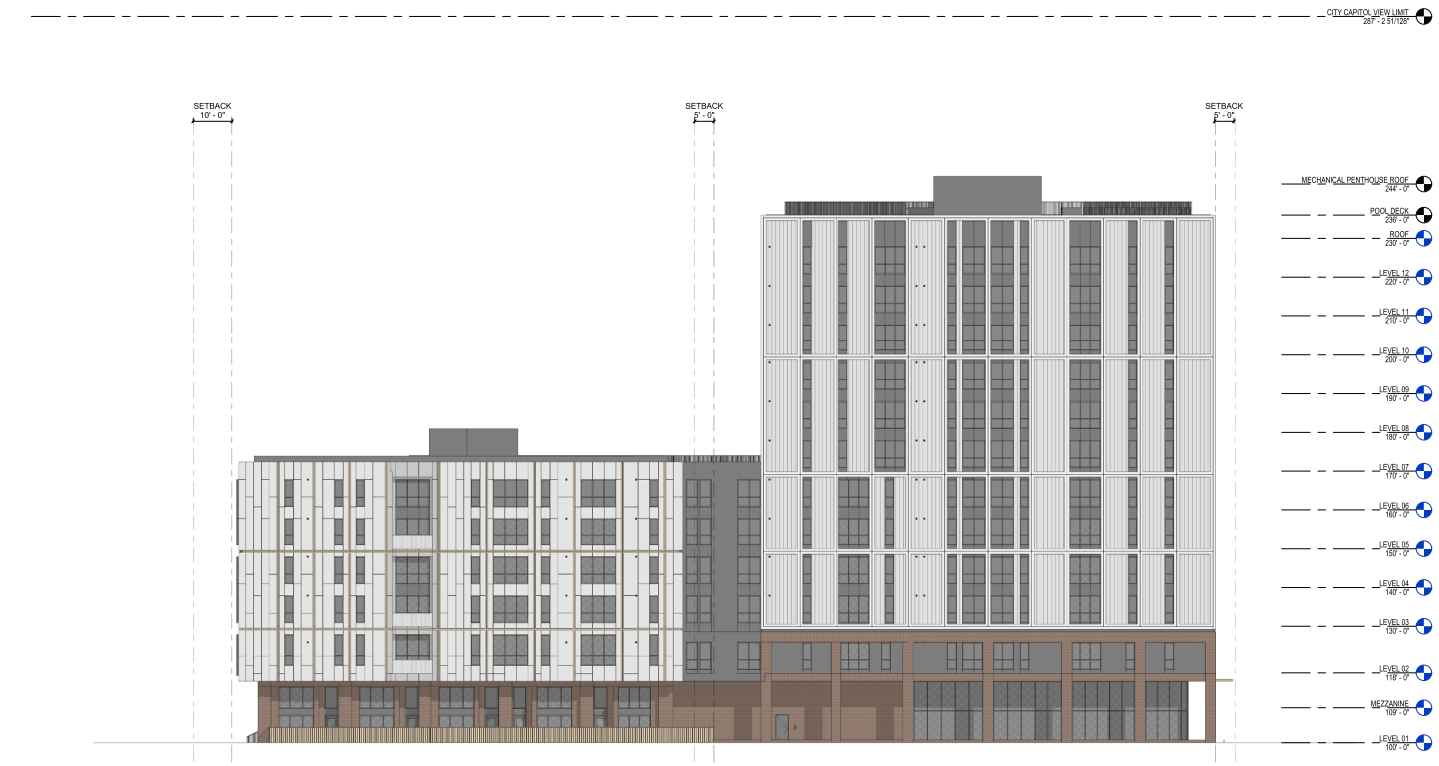


14' - 8" OPENING HEIGHT

1 ELEVATION - EAST
1/16" = 1'-0"

0 4 8 16 32
SCALE: 1/16" = 1' - 0"

ELEVATION - NE



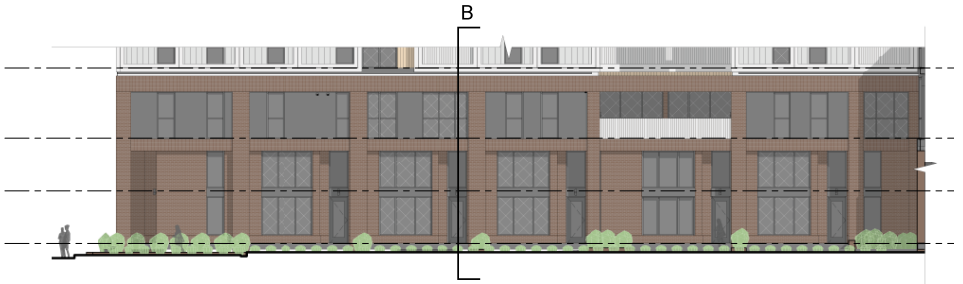
1 ELEVATION - NORTH
1/16" = 1'-0"

0 4 8 16 32
SCALE: 1/16" = 1' - 0"

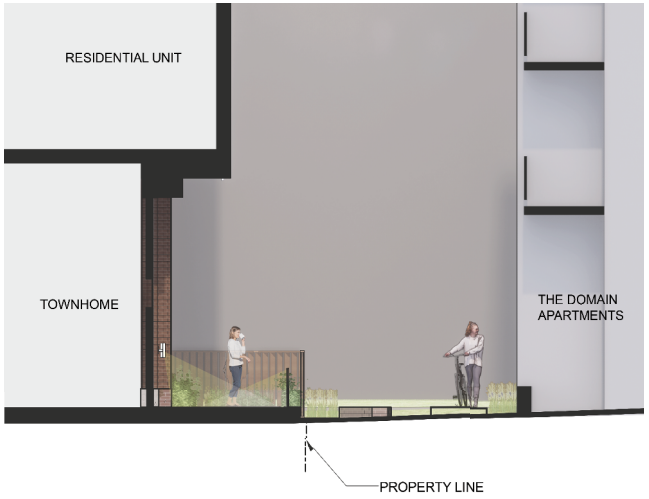
ENLARGED TOWNHOME ELEVATIONS AND SECTIONS



TOWNHOME ELEVATION - AT DOMAIN PROPERTY LINE

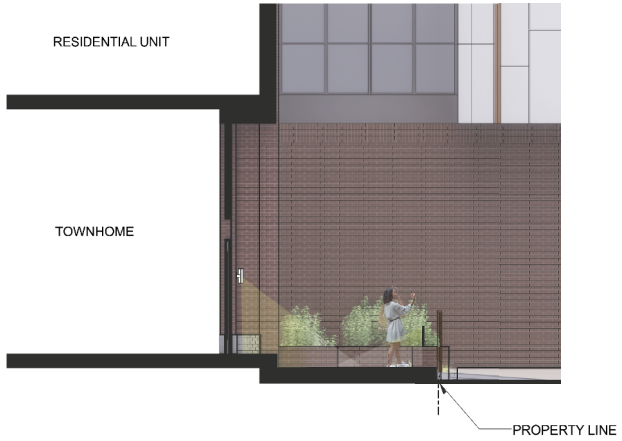


TOWNHOME ELEVATION - AT LEXINGTON PROPERTY LINE



SECTION A - AT DOMAIN PROPERTY LINE

0 2 4 8 16



SECTION B - AT LEXINGTON PROPERTY LINE

0 2 4 8 16

PERSPECTIVE - JOHNSON & BASSETT



ELEVATION PERSPECTIVE - JOHNSON ST.



PERSPECTIVE - BASSETT ST.



PERSPECTIVE - DAYTON ST.



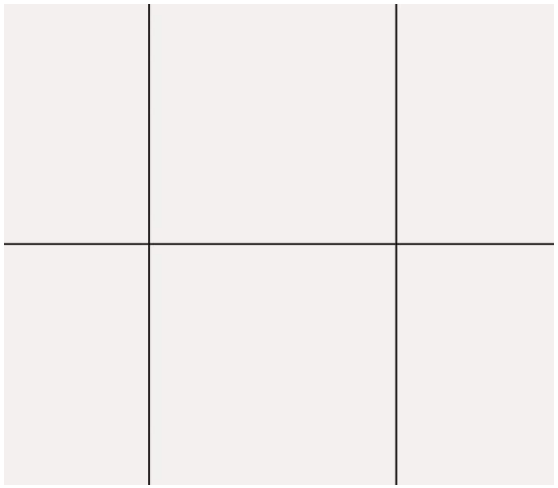
ELEVATION PERSPECTIVE - DAYTON ST.



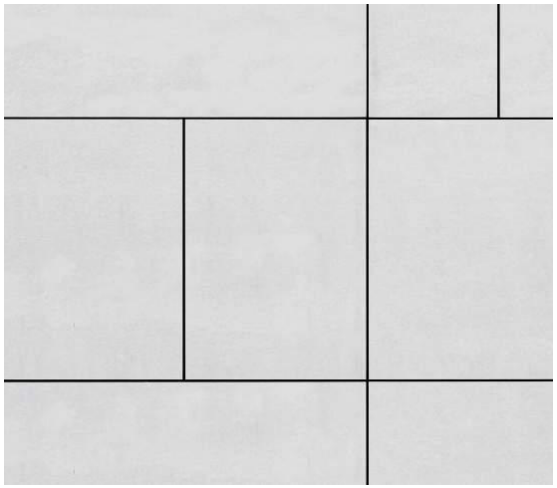
EXTERIOR MATERIALS



COMPOSITE WOOD: COMPOSITE WOOD SIDING, 5 1/2" VERTICAL PLANKS,
BASIS OF DESIGN - NEWTECHWOOD TONGUE AND GROOVE, JAPANESE OAK



METAL PANEL (GRID): ALUMINUM COMPOSITE METAL PANEL,
BASIS OF DESIGN - ALPOLIC PE, WHITE



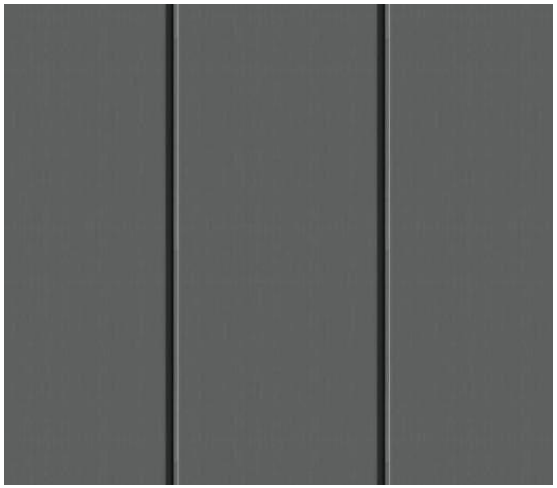
FIBER CEMENT PANEL: FIBER CEMENT PANEL, REVEAL TRIM
BASIS OF DESIGN - JAMES HARDIE ARCHITECTURAL COLLECTION, OFF-WHITE



BRICK: MODULAR CONCRETE BRICK RUNNING BOND WITH SOLDIER COURSES
BASIS OF DESIGN - COUNTY MATERIALS HERITAGE COLLECTION, SABLE



METAL PANEL (INFILL): SINGLE SKIN METAL PANEL VERTICAL 2" BOX RIB,
BASIS OF DESIGN - MORIN MATRIX MX-1, OFF-WHITE



METAL PANEL (MECHANICAL SCREEN): INSULATED METAL PANEL,
BASIS OF DESIGN - CENTRIA VERSAWALL V+, DARK GRAY

TOPOGRAPHIC SYMBOL LEGEND

- EXISTING BOLLARD
- EXISTING POST
- EXISTING SIGN (TYPE NOTED)
- EXISTING PARKING METER
- EXISTING CURB INLET
- EXISTING ENDWALL
- EXISTING FIELD INLET RECTANGULAR
- EXISTING FIELD INLET
- EXISTING ROOF DRAIN CLEANOUT
- EXISTING ROOF DRAIN
- EXISTING STORM MANHOLE
- EXISTING STORM MANHOLE RECTANGULAR
- EXISTING SANITARY CLEANOUT
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING WATER MAIN VALVE
- EXISTING CURB STOP
- EXISTING GAS VALVE
- EXISTING GAS METER
- EXISTING AIR CONDITIONING PEDESTAL
- EXISTING DOWN GUY
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC RECTANGULAR MANHOLE
- EXISTING ELECTRIC PEDESTAL
- EXISTING TRANSFORMER
- EXISTING ELECTRIC METER
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING TV MANHOLE
- EXISTING TV RECTANGULAR MANHOLE
- EXISTING TV PEDESTAL
- EXISTING TELEPHONE MANHOLE
- EXISTING TELEPHONE PEDESTAL
- EXISTING UNIDENTIFIED MANHOLE
- EXISTING UNIDENTIFIED UTILITY VAULT
- EXISTING HANDICAP PARKING
- EXISTING TRAFFIC SIGNAL
- EXISTING SHRUB
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING UNDERGROUND CABLE TV
- EXISTING OVERHEAD CABLE TV
- EXISTING FIBER OPTIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING RETAINING WALL
- EXISTING CHAIN LINK FENCE
- EXISTING WROUGHT IRON FENCE WITH 2" SQ. POST
- EXISTING WOOD FENCE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING OVERHEAD GENERAL UTILITIES
- EXISTING SANITARY SEWER LINE (SIZE NOTED)
- EXISTING STORM SEWER LINE (SIZE NOTED)
- EXISTING EDGE OF TREES
- EXISTING WATER MAIN (SIZE NOTED)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING BLOCK PATIO
- EXISTING GRAVEL SURFACE
- EXISTING CONCRETE SURFACE
- EXISTING ASPHALT SURFACE

SURVEY LEGEND

- FOUND CHISELED "X"
- FOUND NAIL
- FOUND 1" ø IRON PIPE
- FOUND 2" ø IRON PIPE
- FOUND P.K. NAIL
- FOUND 1 1/4" ø IRON ROD
- FOUND 3/4" ø IRON ROD
- SET NAIL
- SET P.K. NAIL

EXISTING SANITARY STRUCTURE TABLE				
NAME	TYPE	RIM	INVERT	DIRECTION
S1	SMH	857.41	849.11	NE
			849.10	SW
S2	SMH	855.16	847.27	NE
			847.11	SE
			847.65	SW
S3	SMH	854.80	844.50	NE
			844.52	SW
			845.82	NW
S4	SMH	854.25	844.76	NE
			844.92	SW
			844.98	NW
S5	SMH	854.58	848.65	NE
			846.86	SE
			846.69	NW
S6	SMH	855.42	849.81	NE
			849.73	SW
			850.46	NW
S7	SMH	857.18	850.38	NE-SW
			850.48	SE

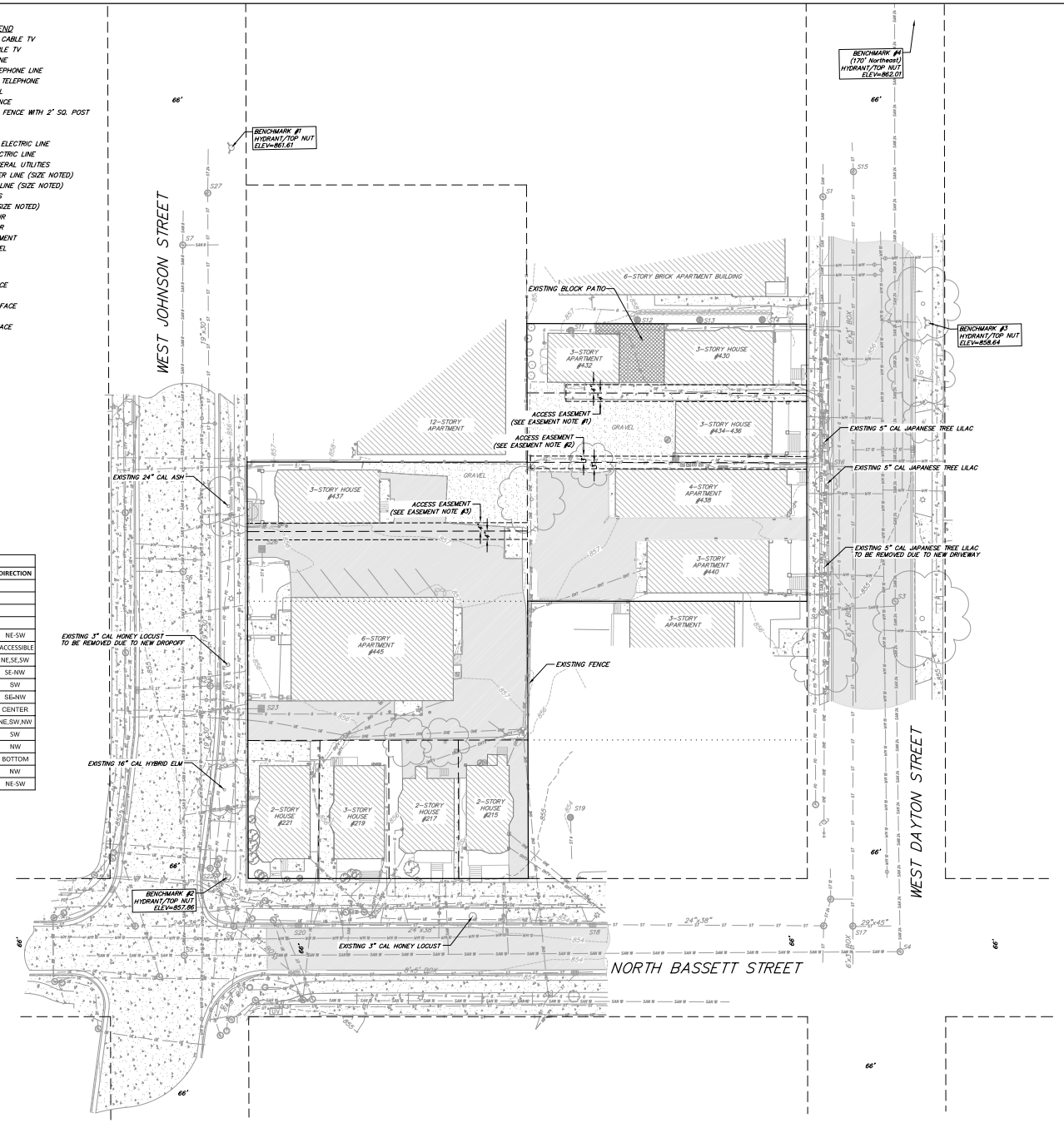
EXISTING STORM STRUCTURE TABLE				
NAME	TYPE	RIM	INVERT	DIRECTION
S11	FIN	856.86		
S12	FIN	856.54		
S13	FIN	856.46		
S14	FIN	856.55		
S15	STMH	857.31	851.56	NE-SW
S16	CIN	855.80		INACCESSIBLE
S17	STMH	854.10	849.22	NE,SE,SW
S18	CIN	854.12	850.37	SE-NW
S19	FIN	853.73	852.13	SW
S20	CIN	854.45	850.47	SE-NW
S21	STMH	854.43	850.84	CENTER
S22	STMH	855.10	851.30	NE,SW,NW
S23	FINR	855.27	853.07	SW
S24	CIN	855.43	852.03	NW
S25	STMH	855.16	851.53	BOTTOM
S26	FINR	855.59	853.29	NW
S27	STMH	857.75	852.52	NE-SW

EASEMENT NOTES:

1. Eight feet (8') side access easement, four feet (4') on either side of property line, per Document Numbers 444893, 854547 and 2203855.
2. Six feet (6') wide access easement, three feet (3') on either side of property line, per Document Number 3777355.
3. Eight feet (8') side access easement, four feet (4') on either side of property line, per Document Numbers 412567 and 412568.
4. Easement Agreement For Sanitary Lateral Maintenance per Document Number 4669788 for sanitary lateral running from building at 640 W. Dayton St. to building at 650 W. Dayton St.

NOTES:

1. This survey is based upon field survey work performed from November 20 – December 28, 2022. Any changes in site conditions after December 28, 2022 are not reflected by this survey.
2. The existing property lines shown on this plan are based upon found monumentation, surveys of record and the recorded deeds.
3. This map is referenced to the Wisconsin County Coordinate System—Dane Zone, NAD 83 (2011). Elevations are based upon NAVD88 datum.
4. All underground utilities have been located per markings placed on the ground or maps provided by the utilities (owners) and/or their authorized representatives. Markings are per Digger's hotline ticketo numbers 20224001784, 20224001787, 20224001788, 20224001802, 20224001814, 20224001822, 20224001833, 20224001835, 20224001841, 20224001845, 20224001859, 20224001878 and 20224001880. No private locate request was made. Verbicher does not warrant the locations marked or mapped by others.
5. Sewer and water structures were surveyed, unless otherwise noted. Sewer pipes are shown per the City of Madison utilities website.
6. No attempt has been made as a part of this survey to obtain or show data concerning condition, or capacity of any utility or municipal/public service facility. For information regarding these utilities contact the appropriate agencies.
7. Some snow cover was present during the time the field survey work was completed on the subject site. Additional improvements and utilities may exist that were not visible and of which the surveyor is not aware of.
8. This existing conditions plan was prepared at the request of CORE Spaces, LLC, 1643 N Milwaukee Ave, Chicago, IL 60647.



NOT FOR CONSTRUCTION

GRAPHIC SCALE FEET
0 10 20 40

Revisions

CITY OF MADISON LAND USE SUBMITTAL

SCOPE DOCUMENTS

Drawing Date
MARCH 13, 2023

JOHNSON & BASSETT STUDENT HOUSING

JOHNSON AND BASSETT
MADISON, WI 53703

Project No.
222063.00

Core Madison Bassett, LLC

Sheet Title
EXISTING CONDITIONS PLAN

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Sheet No.
C100

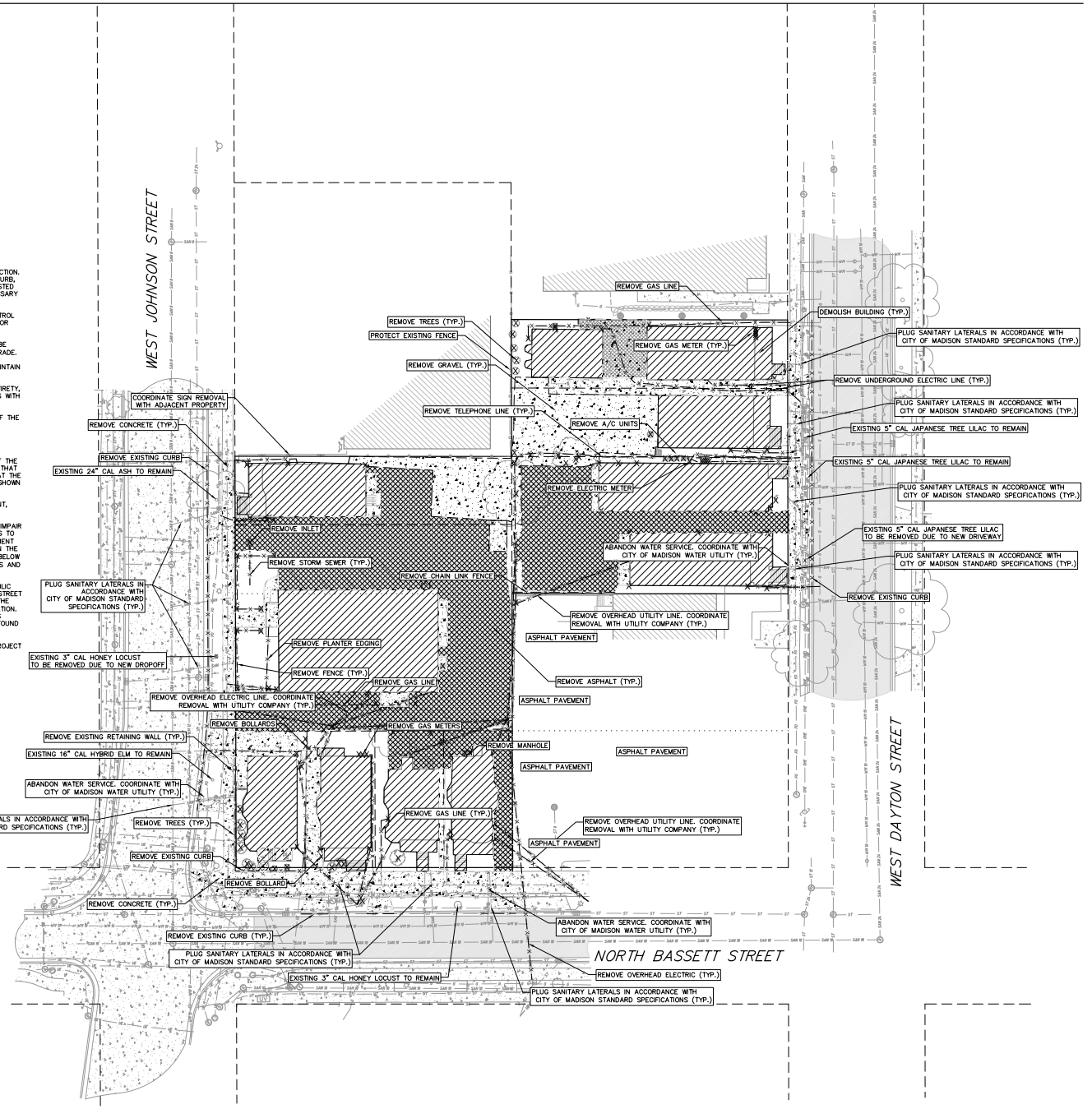
09 May 2023 - 12:20p M:\Core Spaces\222063 - 640 W. Johnson\CAD\222063 - ExCon.dwg by: dsm

DEMOLITION PLAN LEGEND

- CURB AND GUTTER REMOVAL
- ASPHALT REMOVAL
- CONCRETE & GRAVEL REMOVAL
- BUILDING REMOVAL
- TREE REMOVAL
- SAWCUT
- UTILITY STRUCTURE REMOVAL
- UTILITY LINE REMOVAL

DEMOLITION/EROSION CONTROL NOTES:

1. CONTRACTOR SHALL KEEP ALL CITY STREETS FREE AND CLEAR OF CONSTRUCTION RELATED DIRT/DUST/DEBRIS.
2. COORDINATE EXISTING UTILITY REMOVAL/ABANDONMENT WITH LOCAL AUTHORITIES AND UTILITY COMPANIES HAVING JURISDICTION.
3. ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW CONSTRUCTION. MATCH EXISTING ELEVATIONS AT POINTS OF CONNECTION FOR NEW AND EXISTING PAVEMENT, CURB, SIDEWALKS, ETC. ALL SAWCUT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO ACCOMMODATE CONDITIONS, JOINTS, MATERIAL TYPE, ETC. REMOVE MINIMUM AMOUNT NECESSARY FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
4. CONTRACTOR SHALL PROVIDE AND SHALL BE RESPONSIBLE FOR ANY NECESSARY TRAFFIC CONTROL SIGNAGE AND SAFETY MEASURES DURING DEMOLITION AND CONSTRUCTION OPERATIONS WITHIN OR NEAR THE PUBLIC ROADWAY.
5. COORDINATE TREE REMOVAL WITH LANDSCAPE ARCHITECT. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO 12" BELOW PROPOSED SUBGRADE.
6. IF APPLICABLE, PROVIDE TREE PROTECTION FENCING PRIOR TO CONSTRUCTION OPERATIONS. MAINTAIN THROUGHOUT CONSTRUCTION.
7. ALL LIGHT POLES TO BE REMOVED FROM PRIVATE PROPERTY SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. COORDINATE ABANDONMENT OF ELECTRICAL LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
8. CONTRACTOR SHALL CLOSE ALL ABANDONED DRIVEWAYS BY REPLACING THE CURB IN FRONT OF THE DRIVEWAYS AND RESTORING THE TERRACE WITH GRASS.
9. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEMOLITION AND UTILITY PLUGGING PERMITS.
10. THE LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER AND THE ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FROM THE LOCATION AS SHOWN ON THE PLANS.
11. ANY DAMAGE TO THE CITY PAVEMENT, INCLUDING DAMAGE RESULTING FROM CURB REPLACEMENT, WILL REQUIRE RESTORATION IN ACCORDANCE WITH THE CITY ENGINEERING PATCHING CRITERIA.
12. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF OF THE STREET TREE(S). THIS MAY REQUIRE SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM THE TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
13. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY AT (608) 266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION AND SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: https://www.cityofmadison.com/business/pw/specs.cfm.
14. ALL WORK WITHIN THE CITY RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS TO SERVE THE PROJECT SHALL BE COMPLETED PER THE CITY OF MADISON ISSUED PLANS (CONTRACT XXXXX, PROJECT XXXXX).
15. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DIVISIONS.



NOT FOR CONSTRUCTION

GRAPHIC SCALE FEET
0 10 20 40

Revisions

CITY OF MADISON LAND USE SUBMITTAL

SCOPE DOCUMENTS

Drawing Date
MARCH 13, 2023

JOHNSON & BASSETT STUDENT HOUSING

JOHNSON AND BASSETT
MADISON, WI 53703

Project No. Core Madison Bassett, LLC
222063.00

Sheet Title
DEMOLITION PLAN

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Sheet No.
C200

09 May 2023 - 12:29p M:\Core Spaces\222063 - 445 W. Johnson\CAD\222063 - ExCon.dwg by: dan

SITE PLAN LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER (REVERSE CURB HATCHED)
- PROPOSED CHAIN LINK FENCE
- PROPOSED WOOD FENCE
- PROPOSED CONCRETE
- PROPOSED LIGHT-DUTY ASPHALT
- PROPOSED HEAVY-DUTY ASPHALT
- PROPOSED SIGN
- PROPOSED LIGHT POLE
- PROPOSED BOLLARD
- PROPOSED ADA DETECTABLE WARNING FIELD
- PROPOSED HANDICAP PARKING

ABBREVIATIONS

TC – TOP OF CURB
FF – FINISHED FLOOR
FL – FLOW LINE
SW – TOP OF WALK
TW – TOP OF WALL
BW – BOTTOM OF WALL

SITE PLAN NOTES:

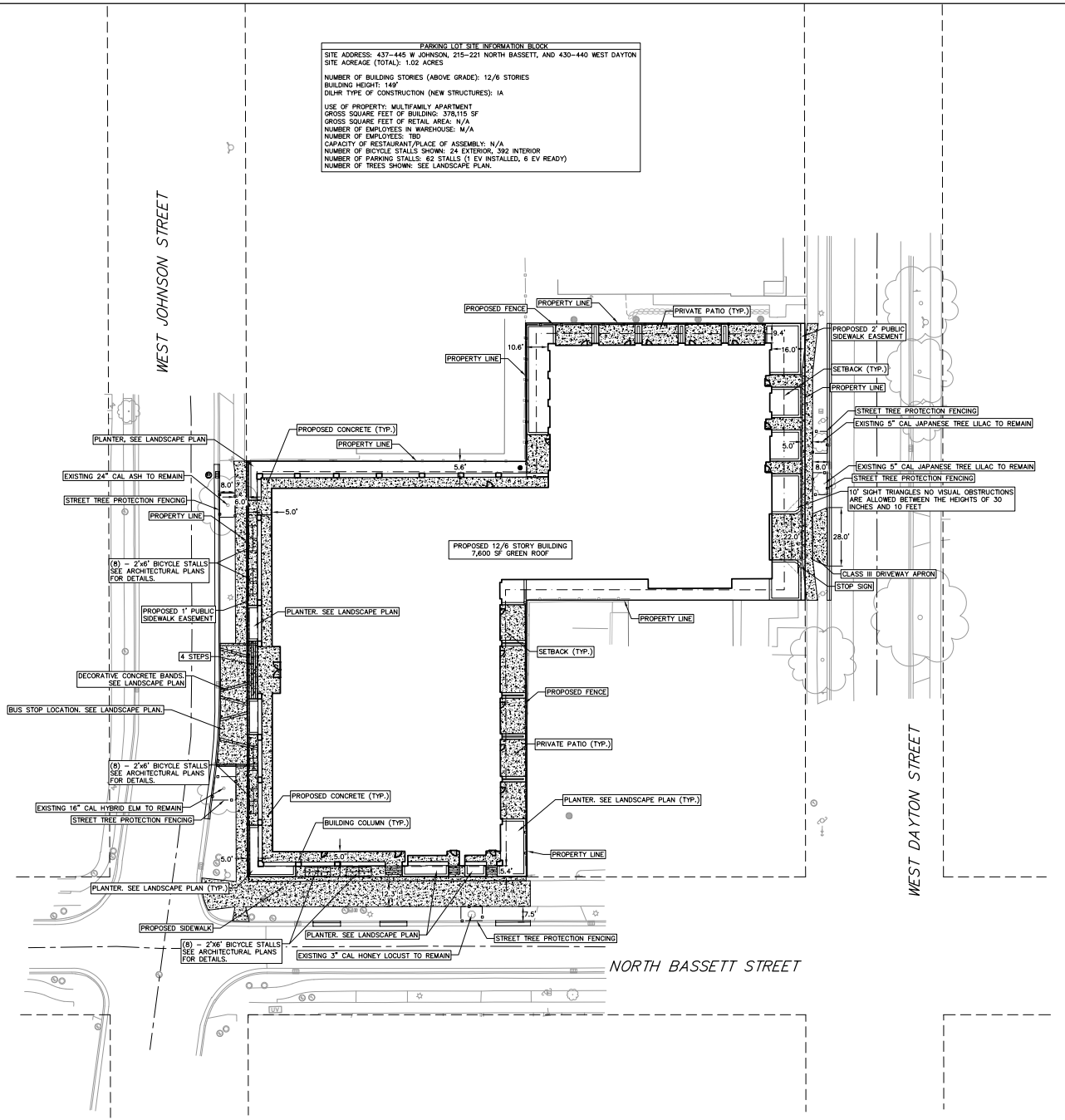
1. CONCRETE TO BE 5" THICK, CONSTRUCTED ON A BASE OF 4" COMPACTED SAND OR CRUSHED STONE.
2. CONCRETE FOR DRIVEWAYS AND SIDEWALK AT DRIVEWAY ENTRANCES SHALL BE 7" THICK, CONSTRUCTED ON A BASE OF 5" COMPACTED SAND OR CRUSHED STONE.
3. ALL DIMENSIONS WITH CURB & GUTTER ARE REFERENCED TO THE FACE OF CURB.
4. CONTRACTOR TO OBTAIN ANY NECESSARY DRIVEWAY CONNECTION, RIGHT OF WAY AND EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
5. ANY SIDEWALK AND CURB & GUTTER ABUTTING THE PROPERTY SHALL BE REPLACED IF IT IS DAMAGED DURING CONSTRUCTION OR IF THE CITY ENGINEERING DEPARTMENT DETERMINES THAT IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF OF THE STREET TREE(S). THIS MAY REQUIRE SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM THE TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266–4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
7. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROODS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY AT (608) 266–4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION AND SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: https://www.cityofmadison.com/business/pw/specs.cfm.
8. SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS COSNTSRUCTION (WEBSITE: https://www.cityofmadison.com/business/pw/specs.cfm) ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIAL ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
9. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
10. STREET TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608) 266–4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 – PART 1 STANDARDS FOR PRUNING.
11. ALL WORK WITHIN THE CITY RIGHT–OF–WAY AND ALL PUBLIC IMPROVEMENTS TO SERVE THE PROJECT SHALL BE COMPLETED PER THE CITY OF MADISON ISSUED PLANS (CONTRACT XXXXX, PROJECT XXXXX).
12. THE RIGHT–OF–WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DIVISIONS

PARKING LOT SITE INFORMATION BLOCK

SITE ADDRESS: 437–445 W JOHNSON, 215–221 NORTH BASSETT, AND 430–440 WEST DAYTON
SITE ACREAGE (TOTAL): 1.02 ACRES

NUMBER OF BUILDING STORIES (ABOVE GRADE): 12/6 STORIES
BUILDING HEIGHT: 149'
DILHR TYPE OF CONSTRUCTION (NEW STRUCTURES): IA

USE OF PROPERTY: MULTIFAMILY APARTMENT
GROSS SQUARE FEET OF BUILDING: 378,115 SF
GROSS SQUARE FEET OF RETAIL AREA: N/A
NUMBER OF EMPLOYEES IN WAREHOUSE: N/A
NUMBER OF EMPLOYEES: TBD
CAPACITY OF RESTAURANT/PLACE OF ASSEMBLY: N/A
NUMBER OF BICYCLE STALLS SHOWN: 24 EXTERIOR, 392 INTERIOR
NUMBER OF PARKING STALLS: 62 STALLS (1 EV INSTALLED, 6 EV READY)
NUMBER OF TREES SHOWN: SEE LANDSCAPE PLAN.



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Revisions

CITY OF MADISON LAND USE SUBMITTAL

SCOPE DOCUMENTS

Drawing Date
MAY 24, 2023

JOHNSON & BASSETT STUDENT HOUSING

JOHNSON AND BASSETT
MADISON, WI 53703

Project No. Core Madison Bassett, LLC
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Sheet Title
SITE PLAN

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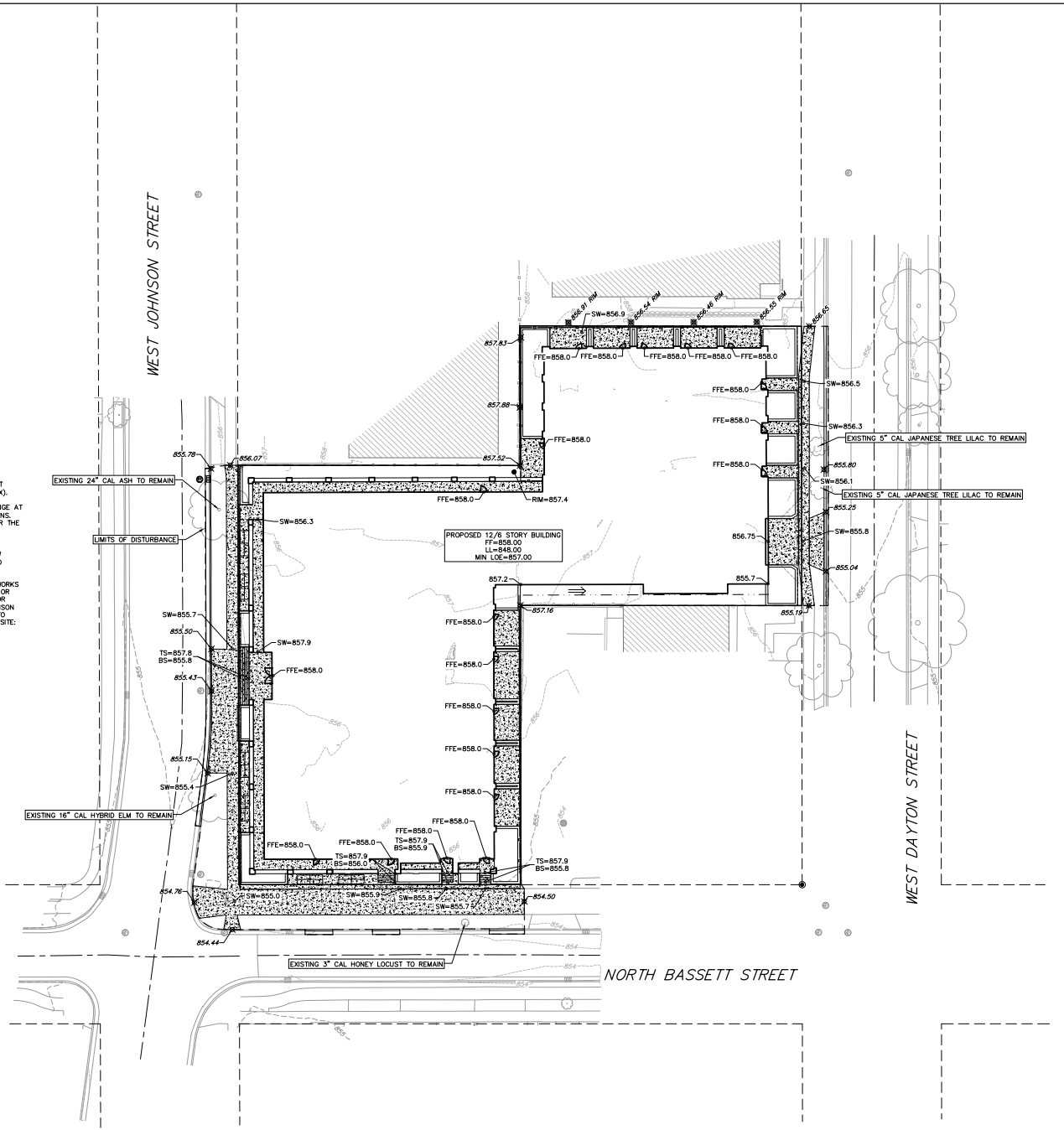
24 May 2023 - 5:29p M:\Core Spaces\222063 - 445 W Johnson\CADD\222063 - BaseEng.dwg by: dbn

GRADING LEGEND

- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- DITCH CENTERLINE
- SILT FENCE
- DISTURBED LIMITS
- BERM
- DRAINAGE DIRECTION
- PROPOSED SLOPE ARROWS
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- STONE WEEPER
- VELOCITY CHECK
- INLET PROTECTION
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- EROSION MAT CLASS II, TYPE A
- TRACKING PAD
- RIP RAP

GRADING NOTES:

1. CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADE SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
2. SEE DETAIL SHEETS FOR EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.
3. ALL WORK WITHIN THE CITY RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS TO SERVE THE PROJECT SHALL BE COMPLETED PER THE CITY OF MADISON ISSUED PLANS (CONTRACT XXXXX, PROJECT XXXXX).
4. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON, AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DIVISIONS.
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JOHNSON AND BASSETT
MADISON, WI 53703

Project No. Core Madison Bassett, LLC
222063.00

Sheet Title
GRADING PLAN

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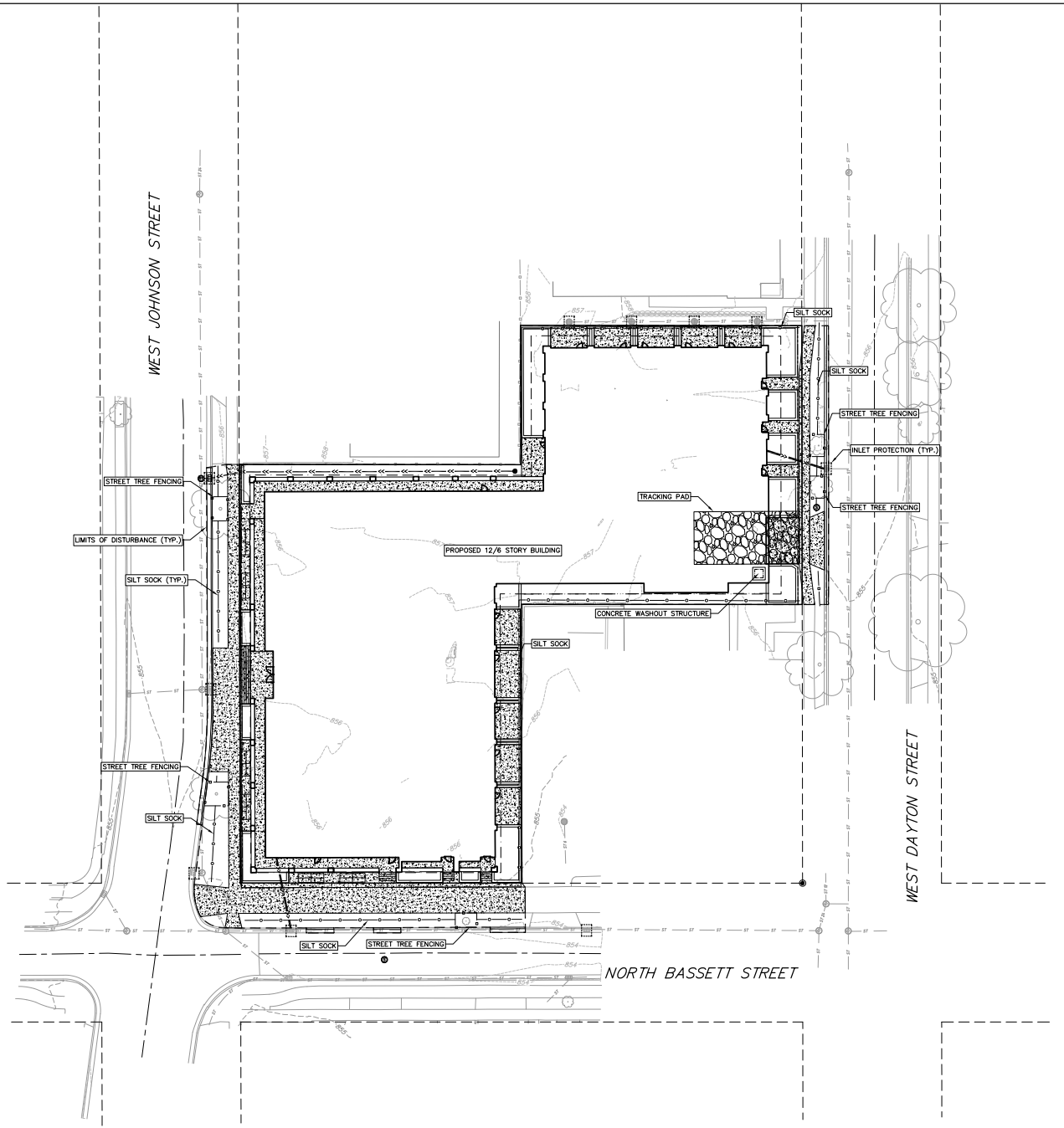
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GRADING LEGEND

- EXISTING MAJOR CONTOURS
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- PROPOSED MAJOR CONTOURS
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- RIP RAP

NOTES:

SEE DETAIL SHEETS FOR EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.



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EROSION CONTROL PLAN

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PROPOSED UTILITY LEGEND

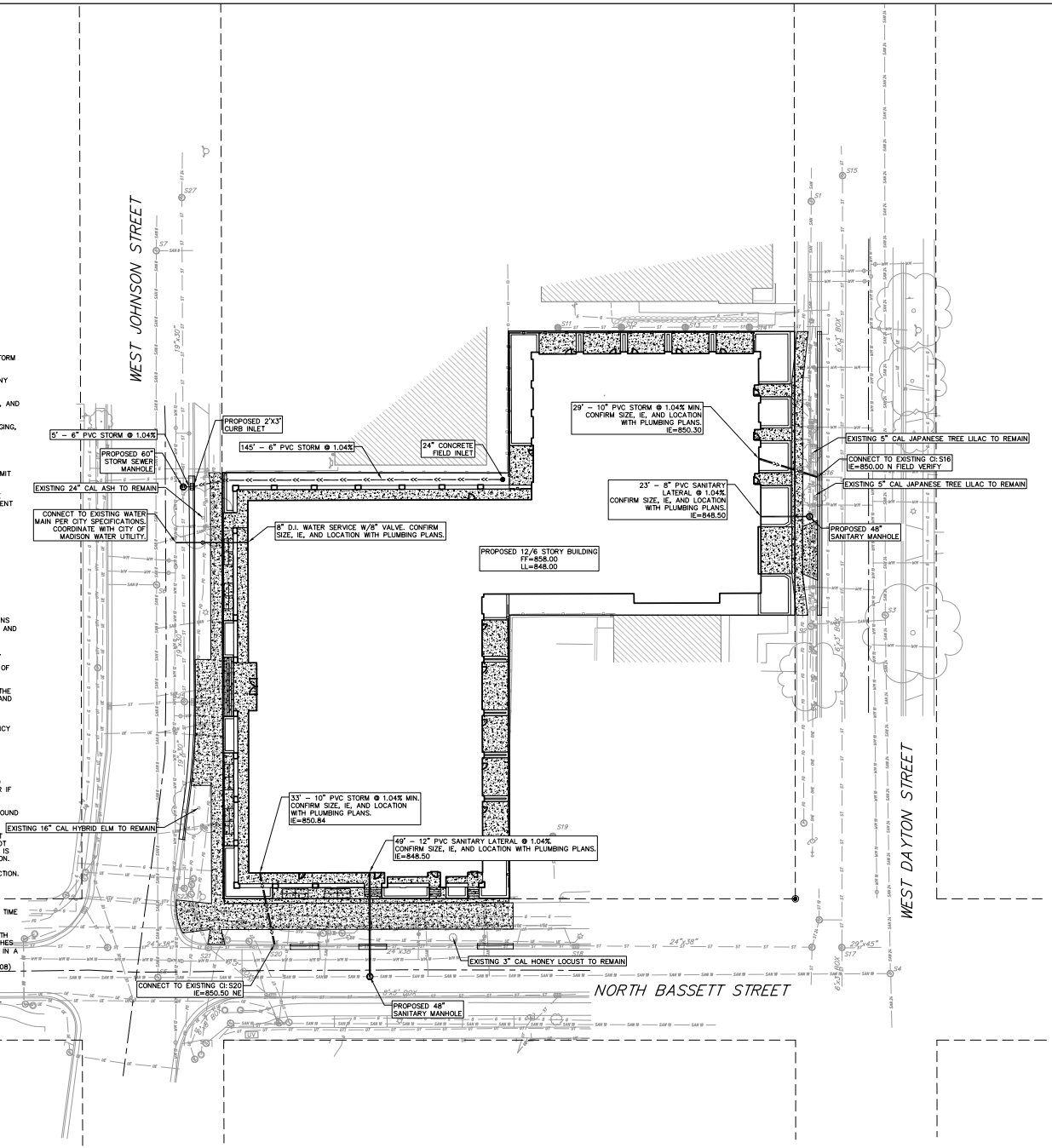
- STORM SEWER PIPE
- STORM SEWER MANHOLE
- STORM SEWER ENDWALL
- STORM SEWER CURB INLET
- STORM SEWER CURB INLET W/MANHOLE
- STORM SEWER FIELD INLET
- ROOF DRAIN CLEANOUT
- SANITARY SEWER PIPE (GRAVITY)
- SANITARY SEWER PIPE (FORCE MAIN)
- SANITARY SEWER LATERAL PIPE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER MAIN
- WATER SERVICE LATERAL PIPE
- FIRE HYDRANT
- WATER VALVE
- CURB STOP
- WATER VALVE MANHOLE
- PROPOSED PIPE INSULATION
- GAS MAIN
- ELECTRIC SERVICE

ABBREVIATIONS

STMH – STORM MANHOLE
FI – FIELD INLET
CI – CURB INLET
CB – CATCH BASIN
EW – ENDWALL
SMH – SANITARY MANHOLE

UTILITY NOTES:

1. SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
2. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
4. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT–OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING, ABANDONMENT, AND DRIVEWAY CONNECTION PERMITS PRIOR TO CONSTRUCTION.
5. FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
6. IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
7. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON–SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
8. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30–6 OF SPS 384.30(3)(c).
9. PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30–7 OF SPS 384.30(4)(d).
10. PRIVATE WATER HYDRANTS SHALL BE YELLOW IN COLOR.
11. PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 – SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30–3 OF SPS 384.30(2)(c).
12. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
13. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b.).
14. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
15. SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
16. CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON–SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
17. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATIONS WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES DAMAGED WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTACT ENGINEER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
19. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
21. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
22. ALL WORK WITHIN THE CITY RIGHT–OF–WAY AND ALL PUBLIC IMPROVEMENTS TO SERVE THE PROJECT SHALL BE COMPLETED PER THE CITY OF MADISON ISSUED PLANS (CONTRACT XXXXX, PROJECT XXXXX).
23. THE RIGHT–OF–WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DIVISIONS.
24. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF OF THE STREET TREE(S). THIS MAY REQUIRE SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM THE TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266–4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
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SCOPE DOCUMENTS

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JOHNSON & BASSETT STUDENT HOUSING

JOHNSON AND BASSETT
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Project No. Core Madison Bassett, LLC
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Sheet Title
UTILITY PLAN

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HARTRANFT LIGHTING DESIGN, LLC
Jess Krometis- jess@hartranftlighting.com
Paula Ziegenbein - paula@hartranftlighting.com

LUMINAIRE SCHEDULE - DESIGN PROGRESS

PROJECT: CORE Johnson and Bassett | PROJECT #: | DATE: 03/06/2023

GENERAL NOTES:

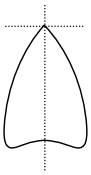
1	SHOULD THE CONTRACTOR WISH TO HAVE PRODUCTS OTHER THAN THOSE SPECIFIED CONSIDERED, THE ITEMS MUST BE SUBMITTED (14) DAYS IN ADVANCE OF THE BID. FAILURE TO SUBMIT WITHIN THAT DEADLINE CONSTITUTES A GUARANTEE THAT THE SPECIFIED PRODUCTS WILL BE SUPPLIED.
2	CONTRACTOR SHALL PROVIDE A COMPLETE LIST OF ALL LAMPS WHICH WILL BE FURNISHED ON THE PROJECT. THIS LIST SHALL BE ORGANIZED ALPHABETICALLY BY LUMINAIRE TYPE INDICATED ON THE LUMINAIRE SCHEDULE, AND INCLUDE THE MANUFACTURER AND EXACT MODEL ORDERING CODE OF EACH LAMP.
3	THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL 10% OF ALL LAMPS LISTED AT PROJECT TURN OVER. LAMPS ARE FOR SPARE REPLACEMENT LAMPS. LIST OF SPARE LAMPS TO BE INCLUDED IN SUBMITTAL DOCUMENTATION.
4	ALL EMERGENCY AND EXIT LIGHTING SHALL BE DESIGNED AND SPECIFIED BY THE ELECTRICAL ENGINEER
5	0-10V DIMMING REQUIRES LOW VOLTAGE CONTROL WIRE.
6	CONFIRM WITH ARCHITECT THE EXACT MOUNTING HEIGHT AFF
7	CONTRACTOR MUST PROVIDE UNIT PRICING TO THE ARCHITECT- FOR EACH FIXTURE TYPE COMPLETE WITH ALL ACCESSORIES AND LAMP.

FIXTURE TYPE	IMAGE	DESCRIPTION	LAMPING	MANUFACTURER and SERIES	CATALOG NUMBER	POWER SUPPLY/ CONTROL PROTOCOL	SYSTEM WATTS (W)	VOLTAGE (V)	APERTURE	MOUNTING	LOCATION	NOTES
EXTERIOR LIGHTING												
HEX-A		4" DIAMETER LED RECESSED DOWNLIGHT	3000K INTEGRAL LED 1000 LUMENS MEDIUM WIDE OPTICS 90 CRI	GOTHAM LIGHTING EVO 4	EVO4-30/10-AR-LSS-MWD-VOLT-GZ10-90CRI	INTEGRAL LED POWER SUPPLY, 0-10V DIMMING	7.9	PER EE	4"	RECESSED	OUTSIDE CANOPY	1. FINISH AND MOUNTING TO BE CONFIRMED WITH ARCHITECT.
HEX-B		WALL MOUNTED BACKLIT SCONCES FOR EXIT DOOR LOCATIONS WITH ADA COMPLIANCE	3000K INTEGRAL LED 1566 LUMENS 90 CRI	KUZCO LIGHTING VESTA	AT7928-BK	ELV DIMMING	31W	PER EE	5 1/8"	WALL MOUNTED	EXIT DOORS	1. FINISH AND MOUNTING TO BE CONFIRMED WITH ARCHITECT.
HEX-C		37.25" LONG MULLION MOUNTED LINEAR LIGHT WITH FORWARD THROW	3000K INTEGRAL LED 2700 LUMENS FORWARD THROW LENS 90 CRI	VISA LIGHTING PASSAGE	OW2480-L30K(H)-VOLT-FT-FINISH	0-10V DIMMING	40W	PER EE	2 1/2"	MULLION MOUNTED	UNIT DOORS	1. FINISH AND MOUNTING TO BE CONFIRMED WITH ARCHITECT.
HEX-D		WALL MOUNTED STEP LIGHTS MOUNTED IN PLANTERS	3000K INTEGRAL LED 420 LUMENS ASSYMETRIC FLOOD 90 CRI	SISTEMALUX LIGHTING	S6240W-FW-VOLT-FINISH-D10	4549-0024-075-UNV-D10 0-10V DIMMING	13.5W	PER EE	11"	WALL MOUNTED	PLANTER BOXES	1. FINISH TO BE CONFIRMED BY LANDSCAPE ARCHITECT. 2. MOUNTING TO BE CONFIRMED WITH ARCHITECT. 3. CONTRACTOR TO FURNISH REMOTE TRANSFORMERS AS REQUIRED AND TO OPTIMIZE LOADING PER TRANSFORMER. 4. CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE SUNSET AND TURN OFF 1 HR AFTER SUNRISE.
HEX-E		STAKE MOUNTED UPLIGHT FOR TREES AND PLANTERS WITH SOFT FOCUS LENS AND 45 DEG CAP STYLE	3000K INTEGRAL LED 500 LUMENS MEDIUM FLOOD 90 CRI	BK LIGHTING	DS-LED-E80-MFL-A9-12-11-A	REMOTE 12V TRANSFORMER (MLV DIMMING)	7W	PER EE	2-1/4"	STAKE MOUNTED	TREES	1. FINISH TO BE CONFIRMED BY LANDSCAPE ARCHITECT. 2. MOUNTING TO BE CONFIRMED WITH ARCHITECT. 3. CONTRACTOR TO FURNISH REMOTE TRANSFORMERS AS REQUIRED AND TO OPTIMIZE LOADING PER TRANSFORMER. 4. CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE SUNSET AND TURN OFF 1 HR AFTER SUNRISE.
HEX-F		WET LISTED LED TAPE MOUNTED IN TOE KICK OF PLANTERS	3000K INTEGRAL LED 112 LUMENS PER FT 90 CRI	LUMINII LIGHTING	LL18WET-T-30K-SL68-SL68-LENGTH KMC-C CHANNEL/LENS	REMOTE LED POWER SUPPLY, ELV DIMMING	1.5W/FT	BY EE	0.59"	SURFACE MOUNTED	TOE KICK PLANTER	1. FINISH TO BE CONFIRMED BY LANDSCAPE ARCHITECT. 2. MOUNTING TO BE CONFIRMED WITH ARCHITECT. 3. CONTRACTOR TO FURNISH REMOTE TRANSFORMERS AS REQUIRED AND TO OPTIMIZE LOADING PER TRANSFORMER. 4. CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE SUNSET AND TURN OFF 1 HR AFTER SUNRISE.

FIXTURE TYPE	IMAGE	DESCRIPTION	LAMPING	MANUFACTURER and SERIES	CATALOG NUMBER	POWER SUPPLY/ CONTROL PROTOCOL	SYSTEM WATTS (W)	VOLTAGE (V)	APERTURE	MOUNTING	LOCATION	NOTES
HEX-G		HANDRAIL LIGHTING SPOT LIGHTS WITH 70 DEG OPTICS	3000K INTEGRAL LED 116 LUMENS/WATT 90 CRI	WAGNER LIGHTING	LULF-30K-70-5	0-10V DIMMING	2.2W	PER EE	.63"	HANDRAIL	ENTRANCE STAIRS	1. FINISH TO BE CONFIRMED BY LANDSCAPE ARCHITECT. 2. CONTRACTOR TO FURNISH REMOTE TRANSFORMERS AS REQUIRED AND TO OPTIMIZE LOADING PER TRANSFORMER. 3. CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE SUNSET AND TURN OFF 1 HR AFTER SUNRISE.
HEX-H		SURFACE MOUNTED LINEAR STRIPS IN CANOPY SLATS	3000K INTEGRAL LED 744 LUMENS 90 CRI	A LIGHT	ACL3ST-LENGTH-LS-30-CRI-VOLT-HE-MOUNTING-FINISH -D-Q	0-10V DIMMING	2.25"	PER EE	3.75"	SURFACE MOUNTED	ENTRANCE CANOPY	1. FINISH AND MOUNTING TO BE CONFIRMED WITH ARCHITECT.
HEX-J		YOKE MOUNTED GOBO PROJECTOR WITH 30 DEG LENS FOR CANOPY LOGO	5500K INTEGRAL LED 1300 LUMENS 80 CRI	ROSCO LIGHTING	IMAGE SPOT HT-5-B-0-MOUNTING-3 PROVIDE WITH CUSTOM ROSCO GOBO	0-10V DIMMING	45W	PER EE	7.8"	YOKE MOUNTED	ENTRANCE CANOPY	1. FINISH AND MOUNTING TO BE CONFIRMED WITH ARCHITECT. 2. CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE SUNSET AND TURN OFF 1 HR AFTER SUNRISE.
HEX-K		SURFACE MOUNTED ACCENT UPLIGHTS WITH 10 DEGREE OPTICS	3000K INTEGRAL LED 744 LUMENS 90 CRI	ECOSENSE LIGHTING	F080-1S-HO-30-90-10-FINISH -H-MOUNTING	ELV DIMMING	11.5W	PER EE	6.97"	SURFACE MOUNTED	FACADE	1. FINISH AND MOUNTING TO BE CONFIRMED WITH ARCHITECT. 2. CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE SUNSET AND TURN OFF 1 HR AFTER SUNRISE.
HEX-L		SURFACE MOUNTED LINEAR UPLIGHT FOR BUILDING FACADE WITH 9X9 GRAZING OPTICS	3000K INTEGRAL LED 560 LUMENS PER FT 90 CRI	ECOSENSE LIGHTING	L50-E-12"-10-30-90-VOLT-9X 9	ELV DIMMING	10W/FT	PER EE	12"	SURFACE MOUNTED	FACADE	1. FINISH AND MOUNTING TO BE CONFIRMED WITH ARCHITECT. 2. CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE SUNSET AND TURN OFF 1 HR AFTER SUNRISE.

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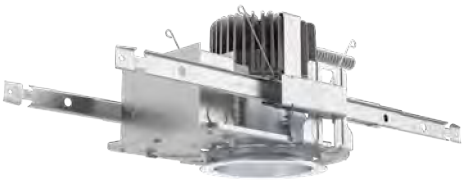
Multiple Layers of Light



Luminaire Type:

Catalog Number:

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 MacAdam Ellipse; 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
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. UGR FAQ

Distribution



Superior Perfomance*

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500
Delivered Lumens	271	573	808	1001	1527	1994	2580	3110	3612	4120	4584
Wattage	3.1	7.2	7.9	8.8	13.7	19.5	25.7	31.2	38.4	35.4	40.1
Lumens per Watt	87.4	79.6	102.3	113.8	111.5	102.3	100.4	99.7	94.1	116	114

*Based on 3500K AR LSS MWD 80CRI

COMPLEMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

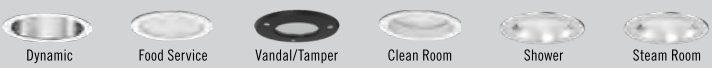
Core



Healthcare



Special Applications



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4" General Illumination Round Downlight

ORDERING INFORMATION

A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: EV04 35/25 AR MWD LSS 120 EZ1

Series	Color Temperature	Nominal Lumen Values	Reflector & Flange Color	Trim Style	Finish	Distribution	Voltage
EV04	27/ 2700 K 30/ 3000 K 35/ 3500 K 40/ 4000 K 50/ 5000 K	02 250 lumens 05 500 lumens 07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 25 2500 lumens 30 3000 lumens 35 3500 lumens 40 4000 lumens 45 4500 lumens	AR Clear PR Pewter WTR Wheat GR Gold WR[1] White BR[1] Black WRAMF[1] White Anti-microbial TRALTBD[1,2] RAL paint for pricing only TCPC[1] Custom paint color	(blank) Self-flanged FL Flangeless	LSS Semi-specular LD Matte-diffuse LS Specular	MD Medium (0.9 s/mh) MWD Medium wide (1.0 s/mh) WD Wide (1.2 s/mh)	MVOLT 120 277 347[3,4]

Driver[5]	Control Interface	Emergency Options	Options
GZ10 0-10V driver dims to 10% GZ1 0-10V driver dims to 1% EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min. EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. EDAB eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. EDXB eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Minimum 1000 lumens. Includes termination resistor. Refer to DMXR Manual. ECOD[6] Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Min: 250LLM; Max: 4000LM.	NLT[9] nLight® dimming pack controls NLTER[3,7,11] nLight® dimming pack controls emergency circuit NLTAIR2[14,15] nLight® Air enabled NLTAIRER2[3,11,14] nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit NLTAIREM2[3,14] nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options.	EL[10] Emergency battery pack, 10W, with integral test switch ELR[10] Emergency battery pack, 10W, with remote test switch ELSD[10] Emergency battery pack, 10W, with self-diagnostics, integral test switch ELRSD[10] Emergency battery pack, 10W, with self-diagnostics, remote test switch E10WCP[10] Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch E10WCPR[10] Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch BGTD Bodine generator transfer device. Specify 120V or 277V.	SF Single Fuse. Specify 120V or 277V TRW[8] White painted flange TRBL[9] Black painted flange FRALTBD[2] Flange ring only RAL color for pricing only FCPC Flange custom paint color N80[12] nLight® Lumen Compensation GTD generator transfer device. Specify 120V or 277V 90CRI High CRI (90+) CP[13] Chicago Plenum. Specify 120V or 277V for 5000lm and above. RRL__ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only with RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for RELOC® product specifications. Above ceiling access required.

ACCESSORIES — order as separate catalog numbers (shipped separately)

SCA4	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to TECH-190.
CTAEV04	4" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5").
CTA4-8 YK	4"-8" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). For use with CWW/DWW trims, EDXB, CP or nTune options.
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

1. Not available with finishes.
2. Replace with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color options. Not available with emergency battery pack options.
3. Not available with emergency battery pack options.
4. Supplied with factory installed step down transformer.
5. Refer to TECH-240 for compatible dimmers.
6. Not available with nLight®.
7. Must specify voltage.
8. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL (flangeless) option.
9. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL (flangeless) option.
10. 11" of plenum depth or top access required for battery pack maintenance.
11. ER for use as UL924 Emergency Operation via power sense lead. Will require an emergency hot feed and normal hot feed. EM for use as UL924 Emergency Operation via power interrupt detection.
12. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
13. Not available with ELR, HAO, or EXAB, or any nLight® AIR dimming options.
14. Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.
15. When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.

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4" General Illumination Round Downlight

SPECIFICATIONS

Optical Assembly
Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control.
Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical
The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.
The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.
Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.
Input wires shall be 18AWG, 300V minimum, solid copper.

Controls
Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

Dimming
The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.
eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.
Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction
Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.
Luminaire housing shall be constructed of 20-gauge galvanized steel and have telescopic mounting bars with maximum 26" and minimum 15" extension and 4" vertical adjustment.
Luminaires shall be suitable for installation in ceilings up to 1½" thick. (specify ceiling thickness adapter to extend frame to accommodate ceiling thickness up to 2").
Tool-less adjustments shall be possible after installation.
The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.
25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise).

Listings
Fixtures are CSA certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA–recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

BUY AMERICAN ACT
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Photometrics
LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.
Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: 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.

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4" **General Illumination Round Downlight**

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.

*See ordering tree for details

Tables of Use

EVO - eldoLED Driver Default Dimming Curve			
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Logarithmic	Linear

Driver		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)				
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIR2ER	NLTAIREM2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

Flangeless

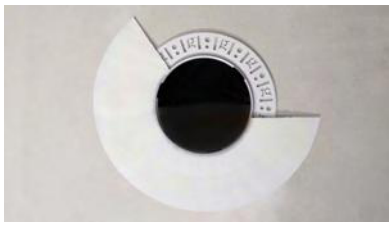
Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.



Partially finished mud ring, showing cross-section detail.



An EVO downlight requires only approximately 3" of plaster to finish.



EVO with flangeless trim

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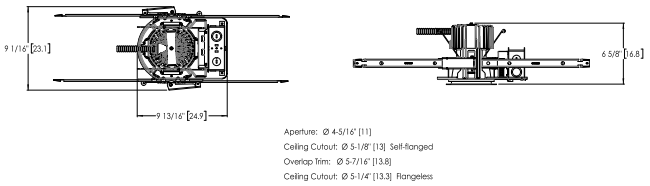
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4" General Illumination Round Downlight

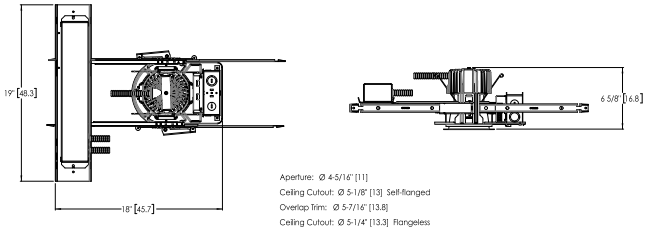
DIMENSIONAL DATA

Aperture: 4-5/16" (11)	Ceiling Opening: 5-1/8" (13) self-flanged
Overlap trim: 5-7/16" (13.8)	5-1/4" (13.3) flangeless

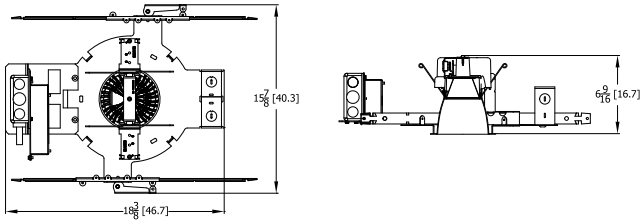
Standard



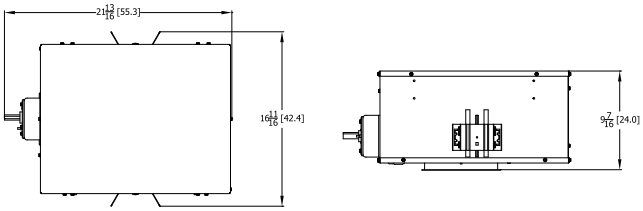
Battery Pack



CP Standard



CP Enclosed For Use With Battery Pack & nLight



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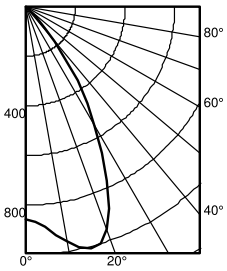
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4" **General Illumination Round Downlight**

Photometry

EV04 35/10 MWD LS INPUT WATTS: 8.8W, DELIVERED LUMENS: 1001.7LM, LPW = 113.8, 1.08 S/MH, TEST NO. LTL27786P131



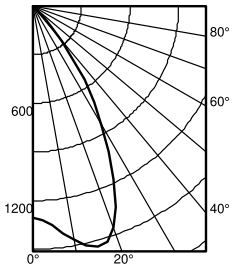
	Ave	Lumens
0	856	
5	888	87
15	1010	280
25	775	350
35	363	225
45	61	56
55	2	2
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	717.4	71.6
0° - 40°	942.0	94.0
0° - 60°	1000.8	99.9
0° - 90°	1001.7	100.0
90° - 180°	0.0	0.0
0° - 180°	1001.7	*100.0
	*Efficiency	

pf / pc / pw	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	95	98	95	93
3	96	91	87	95	90	87	92	88	85
4	90	84	80	89	84	80	87	82	79
5	84	78	74	83	78	74	81	77	73
6	79	73	69	78	72	68	76	72	68
7	74	68	64	73	68	64	72	67	63
8	70	64	59	69	63	59	68	63	59
9	66	60	56	65	59	56	64	59	55
10	62	56	52	61	56	52	61	56	52

Mounting Height	Inital FC Center Beam	50% beam - 56.7° Diameter	50% beam - 56.7° FC	10% beam - 79.7° Diameter	10% beam - 79.7° FC
8.0	28.3	5.9	14.1	9.2	2.8
10.0	15.2	8.1	7.6	12.5	1.5
12.0	9.5	10.3	4.7	15.9	0.9
14.0	6.5	12.4	3.2	19.2	0.6
16.0	4.7	14.6	2.3	22.5	0.5

EV04 35/15 MWD LSS INPUT WATTS: 13.7W, DELIVERED LUMENS: 1527.3LM, LPW = 111.4, 1.08 S/MH, TEST NO. LTL27786P137



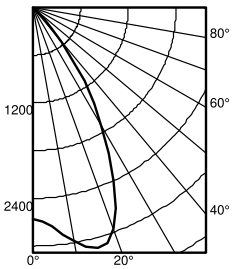
	Ave	Lumens
0	1305	
5	1354	133
15	1539	428
25	1181	533
35	553	342
45	93	86
55	2	4
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1093.9	71.6
0° - 40°	1436.2	94.0
0° - 60°	1525.8	99.9
0° - 90°	1527.3	100.0
90° - 180°	0.0	0.0
0° - 180°	1527.3	*100.0
	*Efficiency	

pf / pc / pw	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	95	98	95	93
3	96	91	87	95	90	87	92	88	85
4	90	84	80	89	84	80	87	82	79
5	84	78	74	83	78	74	81	77	73
6	79	73	69	78	72	68	76	72	68
7	74	68	64	73	68	64	72	67	63
8	70	64	59	69	63	59	68	63	59
9	66	60	56	65	59	56	64	59	55
10	62	56	52	61	56	52	61	56	52

Mounting Height	Inital FC Center Beam	50% beam - 56.7° Diameter	50% beam - 56.7° FC	10% beam - 79.7° Diameter	10% beam - 79.7° FC
8.0	43.2	5.9	21.6	9.2	4.3
10.0	23.2	8.1	11.6	12.5	2.3
12.0	14.5	10.3	7.2	15.9	1.4
14.0	9.9	12.4	4.9	19.2	1.0
16.0	7.2	14.6	3.6	22.5	0.7

EV04 35/30 MWD LSS INPUT WATTS: 31.2W, DELIVERED LUMENS: 3110.6LM, LPW = 99.6, 1.08 S/MH, TEST NO. LTL27786P155



	Ave	Lumens
0	2659	
5	2758	271
15	3135	871
25	2406	1086
35	1126	697
45	189	175
55	5	7
65	2	2
75	0	1
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	2227.9	71.6
0° - 40°	2925.0	94.0
0° - 60°	3107.6	99.9
0° - 90°	3110.6	100.0
90° - 180°	0.0	0.0
0° - 180°	3110.6	*100.0
	*Efficiency	

pf / pc / pw	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	95	98	95	93
3	96	91	87	95	90	87	92	88	85
4	90	84	80	89	84	80	87	82	79
5	84	78	74	83	78	74	81	77	73
6	79	73	69	78	72	68	76	72	68
7	74	68	64	73	68	64	72	67	63
8	70	64	59	69	63	59	68	63	59
9	66	60	56	65	59	56	64	59	55
10	62	56	52	61	56	52	61	56	52

Mounting Height	Inital FC Center Beam	50% beam - 56.7° Diameter	50% beam - 56.7° FC	10% beam - 79.7° Diameter	10% beam - 79.7° FC
8.0	87.9	5.9	43.9	9.2	8.8
10.0	47.3	8.1	23.6	12.5	4.7
12.0	29.5	10.3	14.7	15.9	2.9
14.0	20.1	12.4	10.1	19.2	2.0
16.0	14.6	14.6	7.3	22.5	1.5

CCT/CRI Multiplier Table		
CRI	**CCT**	**Multiplier**
80	2700K	0.96
	3000K	1.00
	3500K	1.00
	4000K	1.01
	5000K	1.07
90	2700K	0.80
	3000K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

Reflector Finish Multiplier	
Reflector Finish	**Multiplier**
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73

Distributions	
Distribution	**Beam**
MD	51
MWD	57
WD	73

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gotham®

gotham® | EVO®

4" General Illumination Round Downlight

NLIGHT AIR

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

nLight® AIR Control Accessories
Order as separate catalog number. Visit nLight AIR.

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

nLight® AIR Control Accessories *(cont.)*

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

NLIGHT

nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

nLight® Wired Control Accessories
Order as separate catalog number. Visit nLight.

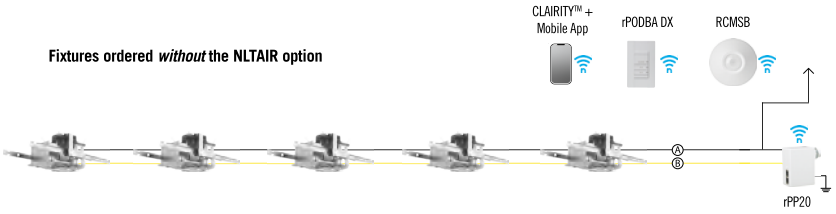
Wall Switches	Model Number
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)
Photocell Controls	
Dimming	nCM ADCX

nLight® Wired Control Accessories *(cont.)*

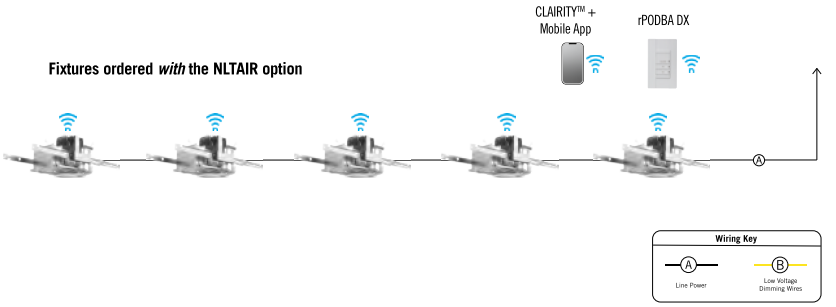
Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX
Cat-5 Cables (plenum rated)	
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

Possibilites for nLight® AIR

Fixtures ordered *without* the NLTAIR option

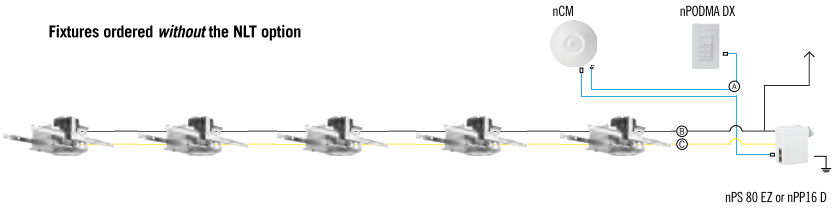


Fixtures ordered *with* the NLTAIR option

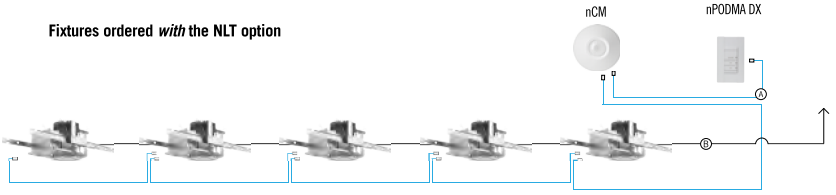


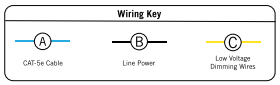
Possibilites for nLight® wired

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option





GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers, GA 30012 | P 800-705-SERV (7378) | gothamlighting.com
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gotham®

VESTA
AT7928

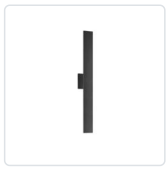
WALL

PROJECT





AT7928-BN
Brushed Nickel



AT7928-BK
Black

AT7928-WH
White

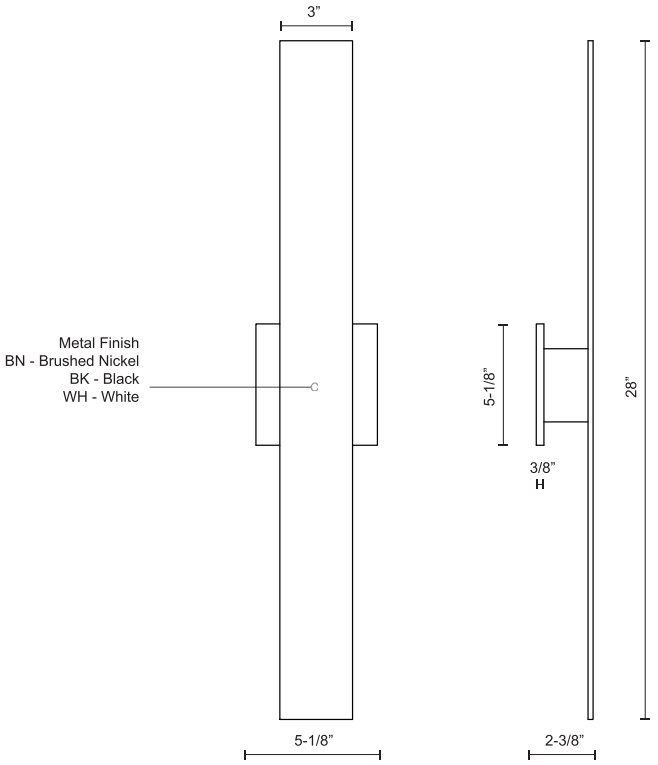
DESCRIPTION

Timeless simplicity with versatile purpose is offered with this wall sconce that measures 28 inches in length. Vesta mounts horizontally or vertically from a matching aluminum square affixed in the middle of the rectangular beam of formed aluminum. The concealed LEDs illuminate the mounting plane creating pool of light on the wall. Vesta is available in three different finishes: black or white powder coating and brushed nickel.

SPECIFICATION DETAILS

* For custom options, consult factory for details.

Fixture Dimensions	W3" x H28" x E2-3/8"
Light Source	AC LED Module
Wattage	31W
Total Lumens	2400lm
Delivered Lumens	BK-1566lm; BN-1575lm; WH-1725lm;
Voltage	120V
Color Temperature	3000K
CRI (Ra)	90CRI
Optional Color Temps	2700K - 5000K Available, Minimum Order Quantities Apply
LED Rated Life	50,000 hours
Dimming	100% - 10%, ELV Dimmer (Not Included)
Glass Details	Frosted Glass
ADA Compliant	Yes
Location	Wet
Compliance	ADA
Warranty	5 Years
Illumination Direction	Backlit
Mounting Style	All Orientation; Wall;
Canopy Dimensions	W5-1/8" x H5-1/8" x E3/8"



KUZCO

19054 28TH AVENUE
SURREY - BC V3Z 6M3
CANADA

WWW.KUZCOLIGHTING.COM

COMMENT

Rev: 2022/09/08

OW2480 PASSAGE™

Mullion Mount with Remote Power Supply

VISA LIGHTING

Visalighting.com/products/Passage

Type: Project: Location:

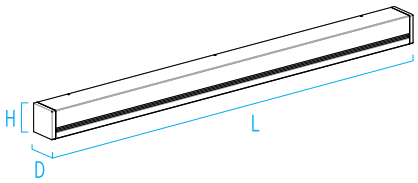


DIMENSIONS

Depth is measured from wall to front of fixture

L = Length H = Height D = Depth

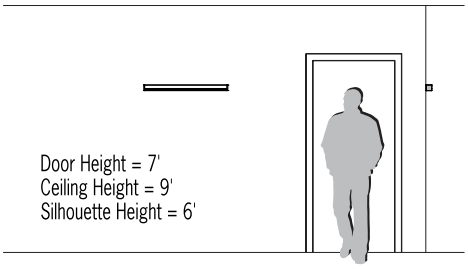
L	37-1/4”	(946 mm)
H	2-1/2”	(64 mm)
D	2-1/2”	(64 mm)



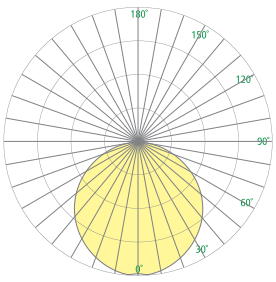
FEATURES

- High or low lumen output
- Luminous or Forward Throw output
- Modular design for replacement of LED source or driver
- Remote power supply included (suitable for indoor, Type IC)
- Optional dual circuit switching
- IP65 rated
- Bracket mounting system simplifies installation and maintenance
- Window mullion mount; minimum mullion width 2.5”
- Tamper resistant fasteners
- Polycarbonate diffuser
- No VOC powder coat paint finish; metal based sublimated wood look finish
- ETL Listed for wet location mounting 4’ above grade

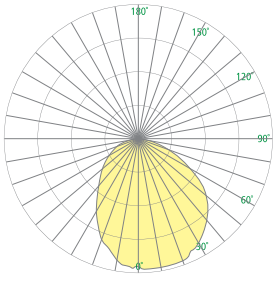
RELATIVE SCALE DRAWING



PHOTOMETRICS



LUM (Luminous Lens)



FT (Forward Throw Optic)

IP65 ADA Compliant ETL Listed 5 Year Warranty

OW2480 PASSAGE (cont.)

Mullion Mount with Remote Power Supply

VISA LIGHTING

Fill in shaded boxes using information listed below

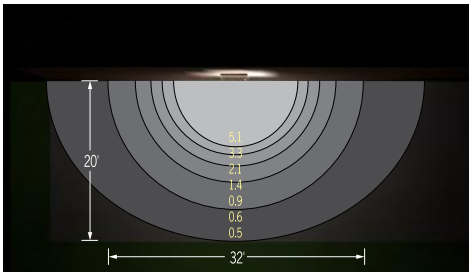
OW2480		–	MVOLT			
MODEL	**SOURCE**[1] L30K(H) L30K(L) L35K(H) L35K(L) L40K(H) L40K(L)		**VOLTAGE** MVOLT	**OPTIC**[2] LUM FT	**FINISH** See last page for finish order codes	**OPTION**[3] DS

SOURCE[1] (Select one)

Dimmable 0-10V to 1%, Minimum 82CRI, within 3-step MacAdam

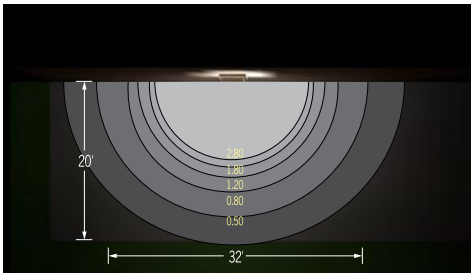
Source	CCT	Delivered Forward Throw Lumens	Delivered Luminous Lumens	Power (Watts)
L30K(H)	3000K	2700	1900	40
L30K(L)	3000K	900	650	14
L35K(H)	3500K	2700	1900	40
L35K(L)	3500K	900	650	14
L40K(H)	4000K	2700	1900	40
L40K(L)	4000K	900	650	14

PATH OF EGRESS - LUMINOUS LENS



OW2480 –H Downlight, Mounted at 10' AFF, .70 light loss factor used

PATH OF EGRESS - FORWARD THROW



OW2486 –H Downlight, Mounted at 10' AFF, .70 light loss factor used

VOLTAGE

MVOLT	120-277V, 50/60 Hz

OPTIC[2] (Select one)

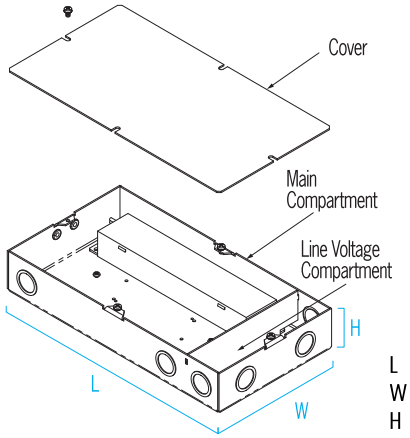
LUM	Luminous Lens
FT	Forward Throw Optic

OPTION[3]

⚠ Option availability may be interdependent with Other Options

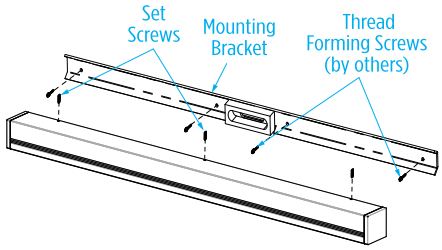
DS	Dual circuit switching (includes 2 drivers). Lumen output and wattage is split in half for each circuit

REMOTE POWER SUPPLY ENCLOSURE



L	12"	(305 mm)
W	6-3/8"	(162 mm)
H	2"	(51 mm)

MULLION MOUNTING DETAIL



OW2480 PASSAGE (cont.)

Mullion Mount with Remote Power Supply

VISA LIGHTING

PASSAGE PRODUCT FAMILY

- OW2480 – 37" – Mullion Mount with Remote Power Supply
- OW2482 – 37" – 2 X 4 Junction Box Mount with Integral Power Supply
- OW2484 – 72" – Mullion Mount with Remote Power Supply
- OW2486 – 72" – 2 X 4 Junction Box Mount with Integral Power Supply

See Visalighting.com/products/Passage for more information

SUGGESTED VARIATIONS

- Custom colors

FINISHES

Specify color code when ordering. For accurate color matching, individual paint and finish samples are available upon request.
For more information about our finishes visit visalighting.com/finishes

Powder Coat Paint Finishes (Standard)

AGGY Agate Grey	**ALGN** Alpine Green	**BJBG** Baja Beige	**BMAT** Bronze Matte	**BRNZ** Bronze	**BSIL** Blade Silver	**CVBL** Cove Blue
DEOR Deoro Gold	**GLWT** Glacier White	**GSIL** Graphite Siver	**HRGR** Harbor Grey	**JTBK** Jet Black	**OCBL** Ocean Blue	**SHGR** Shoreline Grey
SBGN Sagebrush Green	**SLGR** Slate Grey	**SSTP** Sierra Taupe	**TRCN** Terracotta Canyon	**TRWT** Traffic White	**VBLK** Velvet Black	**VNRD** Vineyard Red

Wood Sublimated Metal Finishes (Premium)

MCA Mediterranean Cherry Metal Based Wood Alternative	**NOA** Natural Oak Metal Based Wood Alternative

WOOD SUBLIMATED METAL FINISH



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SKILL

SURFACE MOUNTED - FLUSH MOUNTED

Type: **SPECIFICATION SHEET**

Project : Page: 1 of 8









Skill is a unique LED luminaire, assuring high lighting performance and total absence of glare. The most modern electronic technology is contained in the thickness of only 3 cm and provides an excellent quality of light while saving energy.

Luminaire characteristics:	**Power input:** 4.7W to 23.8W (system wattage) **Lumens:** 157lm to 785lm (for 3000K, 90CRI) **Luminaire efficacy:** Up to 35lm/W
Source:	LED Module (LM-80 tested) 2700K: 90CRI, 3000K: 90CRI, 4000K: 90CRI.
Lumen maintenance:	80% of initial lumens at 70 000 hours(L80)(LM-79)
Optics:	Accent light.
Material:	Body: Die-cast aluminum Diffuser: Toughened glass.
Mounting:	See mounting options on page 4.
Electrical:	High efficiency electronic power supply, rated at 50 000 hours, 120-277V. See remote LED Driver options on page 3.
Dimming	0-10V down to 15% (120-277V), see page 3 for available remote options.
Finish:	White or aluminum gray painted finish, following a double powder paint in 3 step process: surface treatment containing ceramic nano particles (Bonderite). Epoxy primer paint. Polyester powder paint with high resistance against UV rays and harsh weather conditions.
Weight:	Miniskill vertical: 1.16lb (0.53kg) Miniskill square: 1.34lb (0.61kg) Miniskill round: 1.23lb (0.56kg) Skill square: 3.26lb (1.48kg) Skill square large: 6.55lb (2.97kg) Skill round: 3.06lb (1.39kg) Skill rectangular: 3.15lb (1.43kg)
Warranty:	5 year limited warranty.
Ratings:	IP65, IK08
Certification:	cULus listed for wet location

Due to continuous improvements, the information herein may be changed without notice

SISTEMALUX

9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.sistemalux.com

HARTRANFT LIGHTING DESIGN

SKILL
SURFACE MOUNTED - FLUSH MOUNTED

Type: **SPECIFICATION SHEET**
Project :

ORDERING INFO

_____ - __ - ____ - __ - ____
FIXTURE

MODEL

- ☐ **S6230 -** Miniskill vertical
- ☐ **S6250 -** Miniskill square
- ☐ **S6270 -** Miniskill round
- ☐ **S6260 -** Skill square
- ☐ **S6255 -** Skill square large [1]
- ☐ **S6280 -** Skill round
- ☐ **S6240 -** Skill rectangular

LED

- ☐ **H -** 2700K, 90CRI
- ☐ **W -** 3000K, 90CRI
- ☐ **N -** 4000K, 90CRI

MOUNTING [2]

- ☐ **DF -** Surface mounted with direct feed
- ☐ **JB -** Surface mounted junction box
- ☐ **FM -** Recessed mounted flush with surface
- ☐ **J2 -** Surface mounted single gang box
- ☐ **FW -** Surface mounted with fixture whip

VOLTAGE

- ☐ **UNV -** 120-277V
- ☐ **REM -** Remote

FINISH

- ☐ **01 -** White
- ☐ **14 -** Aluminum

DIMMING

- ☐ **D10 -** 0-10V [3] [4]

[1] Available with surface mounted junction box (**JB**) mounting and 120-277V (**UNV**) voltage.
[2] See previous page 4-5 for model availability.
[3] Available with **6250**, **6260**, **6270**, **6280**, **6255** models.
[4] Available with 120-277V (**UNV**) voltage.

Due to continuous improvements, the information herein may be changed without notice
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9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.sistemalux.com

REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

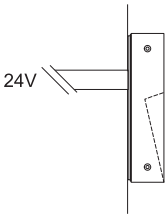
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimension	Max distance**	**Miniskill** S6230 / 50 / 70 **5.2W***	**Skill** S6260 / 80 **11W***	**Skill Rectangular** S6240 **12W***
							Min-Max Units		
☐	**4444-0024-020-120-ND**						1-3	1	1
20	120V	Indoor	None	None	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)			
☐	**4448-0024-060-UNV-ND**						1-11	1-5	1-5
60	120-277V	Indoor	None	None	10" x 8" x 4" (254 x 203 x 102mm)	30ft(9m)			
☐	**4549-0024-075-UNV-D10**						1-14	1-6	1-6
75	120-277V	Outdoor	0-10V	Down to ±10%	8" x 1" x 2" (203 x 25 x 51mm)	30ft(9m)			
☐	**4545-0024-075-UNV-ND**						1-14	1-6	1-6
75	120-277V	Outdoor	None	None	11" x 3" x 2" (279 x 76 x 51mm)	30ft(9m)			
☐	**4551-0024-080-120-LTE**						1-15 Dim 6-15	1-7 Dim 3-7	1-6 Dim 3-6
80	120V	Outdoor	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	14" X 5" X 2" (356 X 127 X 51mm)	30ft(9m)			
☐	**4448-0024-150-UNV-D10**						1-28	1-13	1-12
150	120-277V	Indoor	0-10V	Down to ±10%	10" x 8" x 4" (254 x 203 x 102mm)	25ft (7.5m)			
☐	**4546-0024-200-2C-UNV-ND**						1-38	1-18	1-16
200	120-277V	Outdoor	None	None	12" X 5" X 2" (305 X 127 X 51mm)	30ft (9m) Per channel			

* Wattage requirement for one (1) fixture (Remote fixture only).
** Contact factory for longer remote distance.

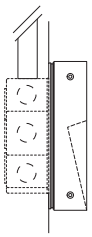
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MOUNTING OPTIONS

Miniskill
(S6250 - S6270)



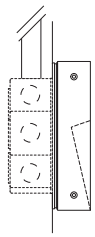
DF-REM - Direct feed with remote power supply.
Connections made inside fixture
Max 2x18AWG
Installed directly to surface.



JB-REM - 4" junction box with remote power supply.
Mounting adapter plate for junction box installation.
Min 1½" (38mm) deep

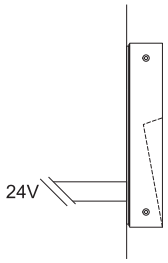


FM-REM - Recessed mounted flush with surface. Remote power supply.
Cast in concrete application, supplied with back box **S6256** - **S6278**
Min 2⅞" (73mm) deep

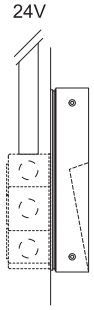


JB-UNV - 4" junction box with integral power supply.
Mounting adapter plate for junction box installation.
Min 1½" (38mm) deep

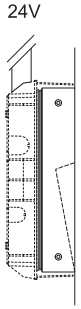
Skill
(S6240 - S6260 - S6280)



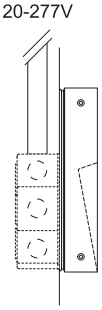
DF-REM - Direct feed with remote power supply.
Connections made inside fixture (14-18AWG only).Max Ø3/8" power cable.
Installed directly to surface.



JB-REM - 4" junction box with remote power supply.
Mounting adapter plate for junction box installation.
Min 1½" (38mm) deep

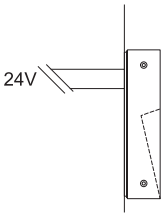


FM-REM - Recessed mounted flush with surface. Remote power supply.
Cast in concrete application, supplied with back box **S6247** - **S6268** - **S6288**.
Min 2⅞" (73mm) deep

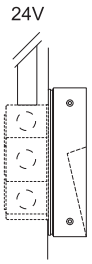


JB-UNV - 4" junction box with integral power supply.
Mounting adapter plate for junction box installation.
Min 1½" (38mm) deep

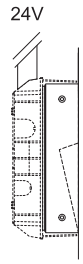
Miniskill Vertical
(S6230)



FW-REM - Fixture whip to remote power supply.
Installed directly to surface with recessed pipe, exposed cable or electrical conduit.

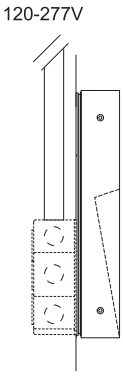


J2-REM - 2" junction box with remote power supply.
Mounting adapter plate for junction box installation.
Min 1⅞" (48mm) deep



FM-REM - Recessed mounted flush with surface. Remote power supply.
Cast in concrete application, supplied with back box **S6239.**
Min 2⅞" (73mm) deep

Skill Square Large
(S6255)

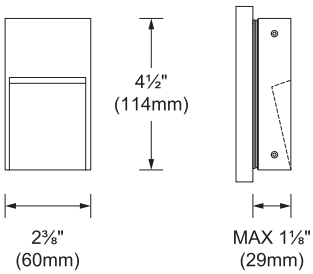


JB-UNV - 4" junction box with integral power supply.
Mounting adapter plate for junction box installation.
Min 1½" (38mm) deep

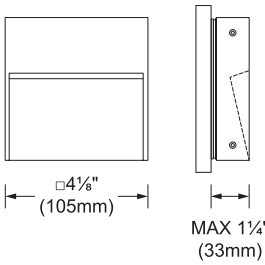
Due to continuous improvements, the information herein may be changed without notice
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DIMENSIONS

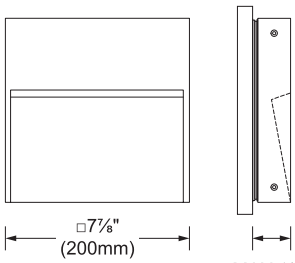
Miniskill vertical
S6230



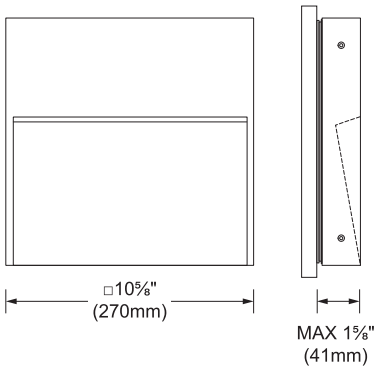
Miniskill Square
S6250



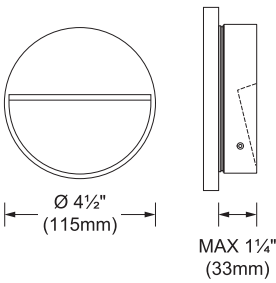
Skill Square
S6260



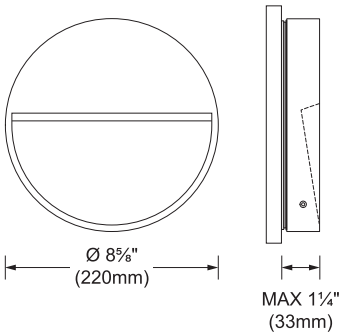
Skill Square Large
S6255



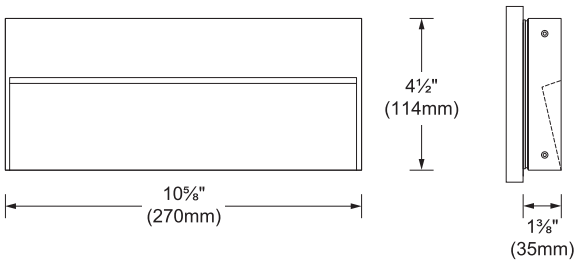
Miniskill Round
S6270



Skill Round
S6280



Skill Rectangular
S6240

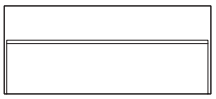


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PHOTOMETRIC DATA

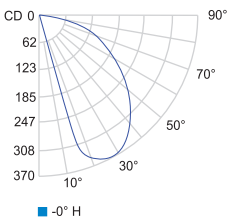
Visit sistemalux.com for complete photometric data.

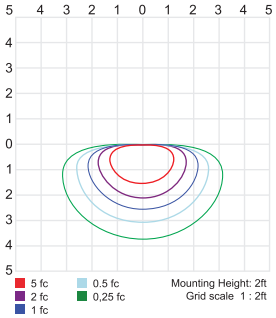
Skill Rectangular



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	13.5W	Accent light	420	31	363	S6240W

Accent light (3000K, 90CRI)





CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	90CRI
Multiplier	**0.94**	**1**	**1.02**

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DELTA STAR LED

IP66 RATED

DATE:	PROJECT:	TYPE:

CATALOG NUMBER LOGIC:



**Designed for use with LED transformer. Requires magnetic low voltage dimmer.*

***Please see Adjust-e-Lume photometry to determine desired intensity.*

****The 360SL cost is already included in the price of UPM, UPM dual, and Power Canopy.*

CATALOG NUMBER LOGIC	
Example: B - DS - LED - e64 - SP - A7 - BZP - 12 - 11 - A - 360SL	
MATERIAL	
(Blank) - Aluminum	B - Brass S - Stainless Steel
SERIES	
DS - Delta Star	
SOURCE	
LED - with Integral Dimming Driver (25W min. load when dimmed)*	
LED TYPE	
e64 - 7W LED/2700K	e79 - 7W LED/2700K 90CRI
e65 - 7W LED/3000K	e80 - 7W LED/3000K 90CRI
e66 - 7W LED/4000K	e81 - 7W LED/3500K 80CRI
e74 - 7W LED/Amber	
OPTICS	
NSP - Narrow Spot (13°)	MFL - Medium Flood (23°)
SP - Spot (16°)	WFL - Wide Flood (31°)
ADJUST-E-LUME® OUTPUT INTENSITY**	
A9 (Standard), A8, A7, A6, A5, A4, A3, A2, A1	
FINISH (See page 2 for full-color swatches)	
Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)	
Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)	
Also available in RAL Finishes	
Brass Finishes (MAC, POL, MIT)	
Stainless Steel Finishes (MAC, POL)	
LENS TYPE	
12 - Soft Focus	13 - Rectilinear
SHIELDING	
11 - Honeycomb Baffle	
CAP STYLE	
A - 45°	
B - 90°	
C - Flush Lens	
D - 45° Less Weephole (Interior use only)	
E - 90° Less Weephole (Interior use only)	
F - 90° with Flush Lens	
OPTION	
360SL - Knuckle Mounting System***	
MOD OPTIONS	
5 - 5 Ft Leads	
25 - 25 Ft Leads	

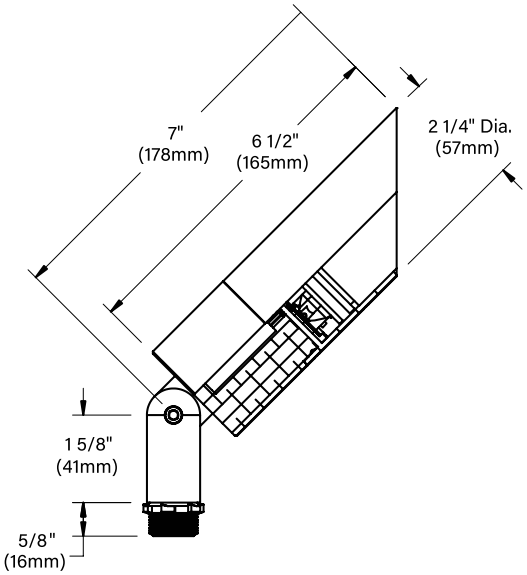
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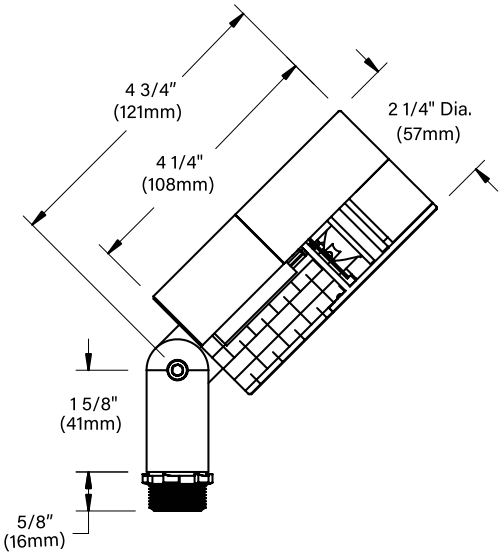
12/06/2022 SKU-739
SUB000930

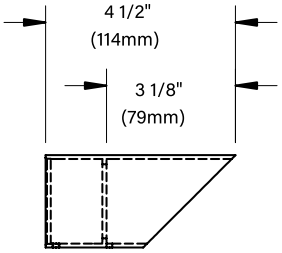
DELTA STAR LED

IP66 RATED

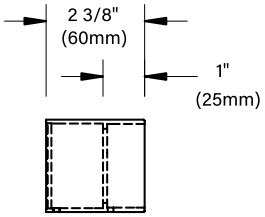
DATE:	PROJECT:	TYPE:



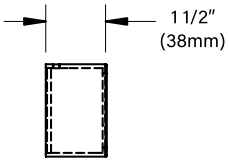




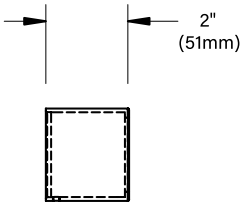
A/D CAP



B/E CAP



C CAP



F CAP

STANDARD FINISHES

Satin Black (BLP)	Satin Bronze (BZP)	Satin White (WHP)	Satin Aluminum (SAP)
Black Wrinkle (BLW)	Bronze Wrinkle (BZW)	White Wrinkle (WHW)	Verde (VER)

Click Here to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES

Cascade Mtn. Granite (CMG)	Rocky Mtn. Granite (RMG)	Sierra Mtn Granite (SMG)	Aleutian Mtn Granite (AMG)	Textured Forest (TXF)
Black Chrome (BCM)	Beige (BGE)	Weathered Copper (WCP)	Old Copper (OCP)	Hunter Green (HUG)
Antique Brass Powder (ABP)	Brown Patina Powder (BPP)	Sonoran Desert Sandstone (SDS)	Weathered Iron (WIR)	Clear Anodized Powder (CAP)
Cream (CRM)	Antique White (AQW)	Natural Brass Powder (NBP)		

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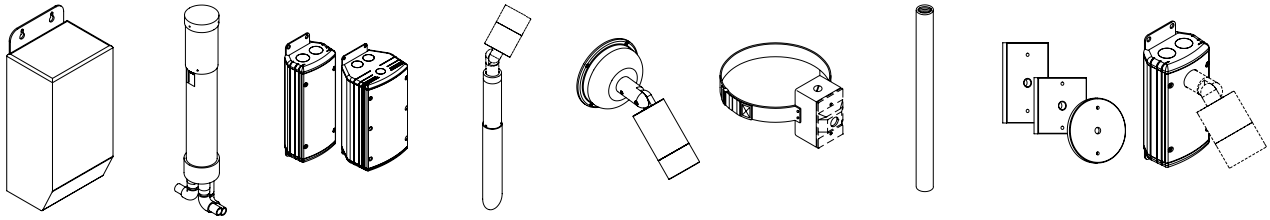
12/06/2022 SKU-739
SUB000930

DELTA STAR LED

IP66 RATED

DATE:	PROJECT:	TYPE:

Accessories (Configure separately)



TR Series | Power Pipe | UPMRM | Power Pipe | Power Canopy | Tree Strap | Stems | Canopies | UPM

SPECIFICATIONS

ELECTRICAL	WATTAGE	7W LED
	WIRING	XLPE, 18GA,150C, 600V, rated and certified to UL3321.
	REMOTE TRANSFORMER	For use with 12VAC remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.
PHYSICAL	MATERIALS	Furnished in copper-free aluminum (6061-T6), brass (360) or stainless steel (304).
	BODY	Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet.
	KNUCKLE	LOCK Knuckle is integral to the body and features an interior taper machined from solid billet and a second, reverse angle taper allowing full 180° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment with a ½" pipe thread for mounting. Optional 360SL provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.
	CAP	Fully machined and accommodates two (2) lens or louver media.
	LENS	Shock-resistant, tempered glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.
	LED	Integrated solid state system and modular design with electrical disconnects allow for easy field upgrade and maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements and exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components. Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current (limited to <250mA non-dimming). Output, overvoltage, open-circuit, and short circuit protected. Conforms to Safety Std. C22.2 No. 250.13-12.
	DIMMING	Line voltage dimmable via magnetic low voltage dimmer with dedicated neutral conductor. Remote magnetic transformer with LED loads should be loaded to 25% of the transformer VA (watts) rated value.
	ADJUST-E-LUME	Integral electronics allow for dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed. Specify factory preset output intensity.
	OPTICS	Interchangeable OPTIKIT modules permit optical field changes. Color-code: Narrow Spot (NSP) = red; Spot (SP) = green; Medium Flood (MFL) = yellow; Wide Flood (WFL) = blue.
	HARDWARE	Tamper-resistant, stainless steel hardware. LOCK aiming screw is black oxide treated for additional corrosion resistance.
	FINISH	StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material.
	WARRANTY	5-year limited warranty.
	CERTIFICATION & LISTING	ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes.

c UL us LISTED

RoHS

MADE IN THE USA

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12/06/2022 SKU-739
SUB000930

LAMP & DRIVER DATA (e64, e65, e66, e74)

DATE:	PROJECT:	TYPE:

DRIVER DATA	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

	LM79 DATA			L70 DATA	OPTICAL DATA			
BK No.	CCT (Typ.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L_{70})	Angle	CBCP	Delivered Lumens	Multiplier
e64	2700K	80	7	50,000	13°	5993	456	0.87
	2700K	80	7	50,000	16°	4546	445	0.87
	2700K	80	7	50,000	23°	1726	397	0.87
	2700K	80	7	50,000	31°	1131	399	0.87
e65	3000K	80	7	50,000	13°	6131	466	0.89
	3000K	80	7	50,000	16°	4650	455	0.89
	3000K	80	7	50,000	23	1766	406	0.89
	3000K	80	7	50,000	31°	1157	409	0.89
e66	4000K	80	7	50,000	13°	6889	524	
	4000K	80	7	50,000	16°	5225	511	
	4000K	80	7	50,000	23°	1984	456	
	4000K	80	7	50,000	31°	1300	459	
e74	Amber	80	7	50,000	13°	3,927	299	0.57
	Amber	80	7	50,000	16°	2,978	291	0.57
	Amber	80	7	50,000	23°	1,131	260	0.57
	Amber	80	7	50,000	31°	741	262	0.57

OPTICS

Optic	Angle
NSP - Narrow Spot	13°
SP - Spot	16°
MFL - Medium Flood	23°
WFL - Wide Flood	31°

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LineLED 18-WL Wet Tube | IP65 & IP68 rated Linear LED strip - 24V

optic arts by luminii



It is well established that traditional forms of artificial light can disrupt sea turtle hatching patterns and disorient hatchlings. Our FWC (Florida Wildlife Commission) certified luminaires feature carefully crafted 590nm LEDs that, when used in conjunction with proper shielding, can help create a safer space for sea turtles and other wildlife.



Applications: outdoor / wet location, above cabinet, cove lighting, counter accent, architectural accents, under banisters, decks, gazebos, barbeque stations and wet bars.

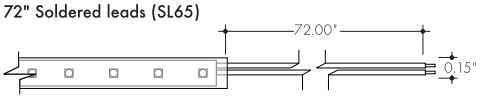


Technical information

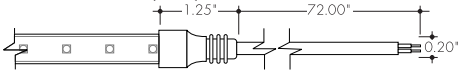
MODEL	LL18-WET-T-WL
LEDS/ft	18
Light output	40 lum/ft
Average power consumption (for 15′ section)	1.5 W/ft
Ordering increment	4.00″
Maximum run length (in series)	64 ft
Profile Dimensions W/connector dimensions, see line drawing	0.47″ W 0.24″ H

SECTION START/END OPTIONS

72" Soldered leads (SL65)



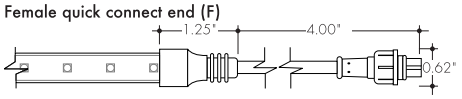
72" Soldered leads (SL68)



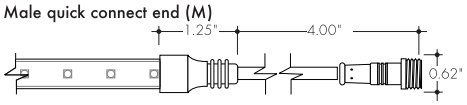
No connector (NC)
IP65 model only



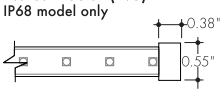
Female quick connect end (F)



Male quick connect end (M)



No connector (NC)
IP68 model only



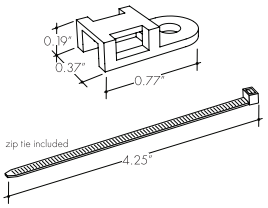
Ordering code

MODEL		COLOR		SECTION START		SECTION END		LENGTH
LL18-WET-T-WL	–	A	–	SL65	–	NC	–	
LL18-WET-T-WL - LL18WET Tube, Wild life		A - Amber		SL65 - IP65 Soldered lead wires (72") SL68 - IP68 Soldered lead wires (72") F - Female connector M - Male connector NC - No connector		SL65 - IP65 Soldered lead wires (72") SL68 - IP68 Soldered lead wires (72") F - Female connector M - Male connector NC - No connector		view table above for increment options and maximum run limits

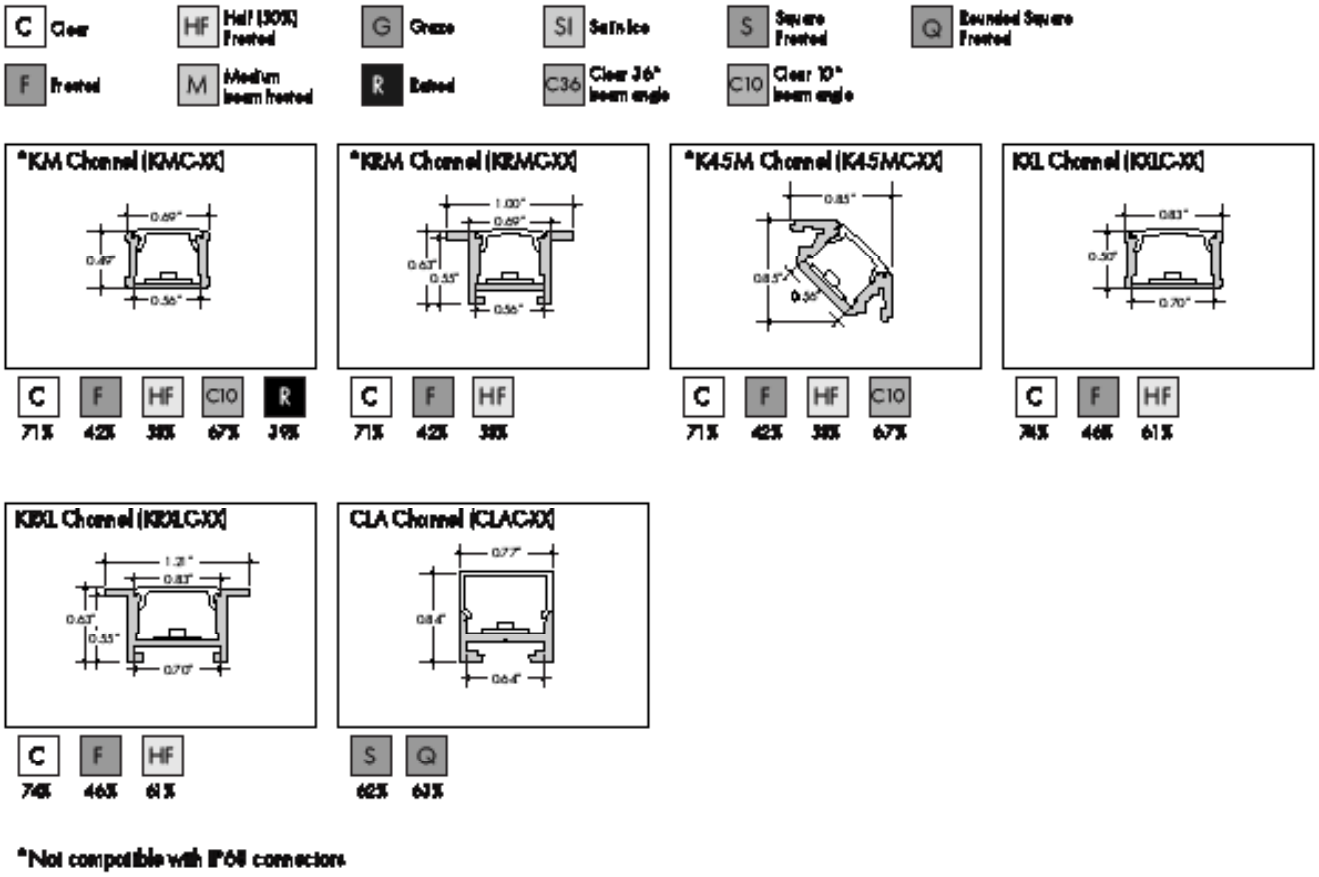
LineLED 18-WL Wet Tube | IP65 & IP68 rated Linear LED strip - 24V

Accessories

LL.ZIP
Cable/Wire Strain Relief Clip



Lens options / light transmission percentage per lens



Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

Ordering

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

Discontinued Extrusion Reference Link

https://www.luminii.com/media/4351/extrusion-update-02.pdf

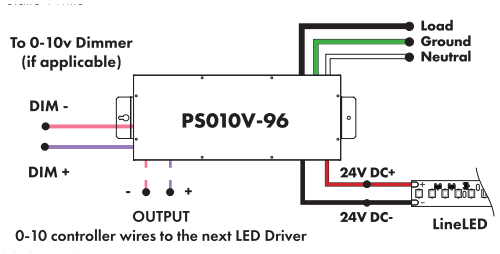
LineLED 18-WL Wet Tube | IP65 & IP68 rated Linear LED strip - 24V

Power Supplies

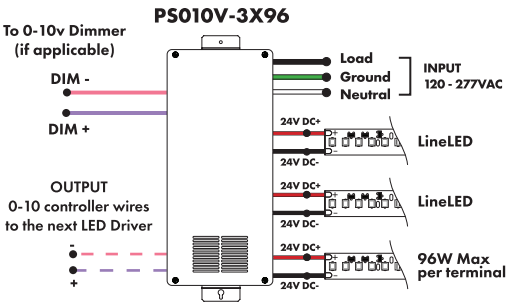
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL		POWER		OUTPUT
	-		-	
PS010V - 0-10V Power Supply dims down to 0.1%		96 - 96 Watt 3X96 - 3 X 96 Watt		24 - 24 VDC



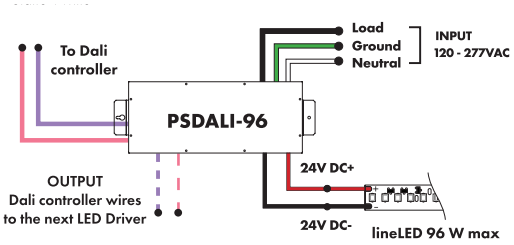
MODELS	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.62"
Depth	2.60"	4.20"



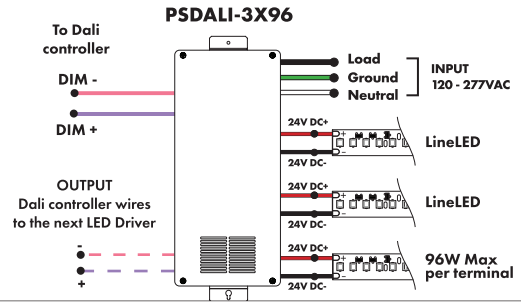
DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL		POWER		OUTPUT
	-		-	
PSDALI - DALI Power Supply dims down to 0%		96 - 96 Watt 3X96 - 3 X 96 Watt		24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers



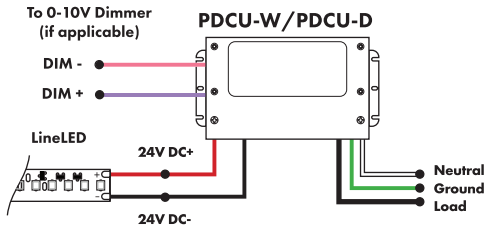
Model	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.62"
Depth	2.60"	4.20"



Universal Power Supply 1% 120VAC - 277VAC

MODEL		POWER		OUTPUT
	-		-	
PDCU-D - IP20 Dry Series		30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W		24 - 24 VDC
PDCU-W - IP66 Wet Series		96 - 96 W 3X96 - 3X96 W		

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.
For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.



MODEL	PDCU-W-96W	PDCU-W-3X96W	PDCU-D-30W	PDCU-D-60W	PDCU-D-96W	PDCU-D-3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33	1.32"	1.56"	1.13"

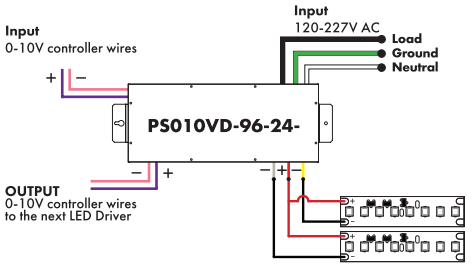
LineLED 18-WL Wet Tube | IP65 & IP68 rated Linear LED strip - 24V

Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

Customizable Dim to Warm or Variable White via 0 - 10V
(for tunable white or warm dimming control of Dynamic option)

MODEL	POWER	OUTPUT	CONTROL
PS010VD - 0-10V Vintage Dim LED Driver	96 - 96 Watt	24 - 24 VDC	W2I - Standard dimming for both tapes

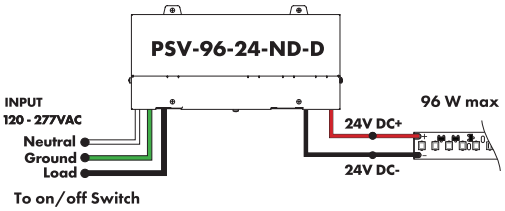


*Zonal control power supplies

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

Non-Dimming Power Supply 120VAC - 277VAC

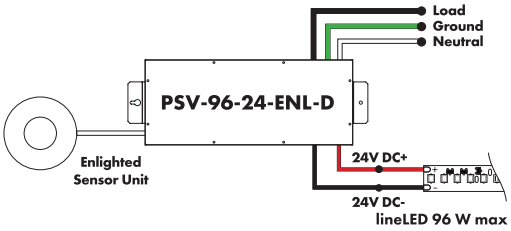
MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ND - Non Dimming	D - Damp



MODELS	96W
Length	8.25"
Width	3.75"
Depth	1.63"

Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

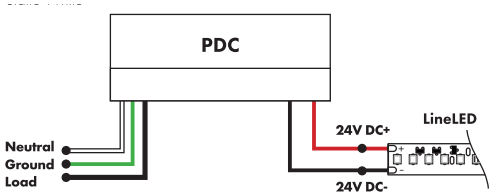
MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp



Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

Triac, MLV, ELV Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC



MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"

LineLED 18-WL Wet Tube | IP65 & IP68 rated Linear LED strip - 24V

Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

In-Ground Power Supplies

MODEL - POWER - OUTPUT - INPUT

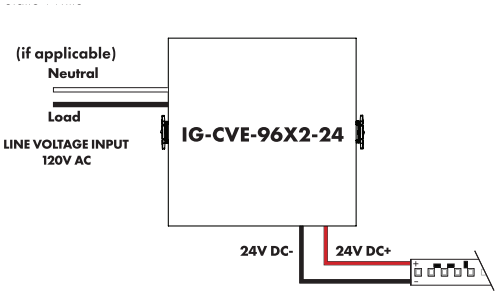
IG - In ground CVE Series

CVE - ELV Dimming
DALI - eldoLED Dali dimming
Both dims down to 0%

96X2 - 2 X 96 Watt

24 - 24 VDC

Blank - 120 V
277 - 240/277 V



MODEL	Dual Circuit
Length	8.40"
Width	8.30"
Depth	8.10"

LUTRON®

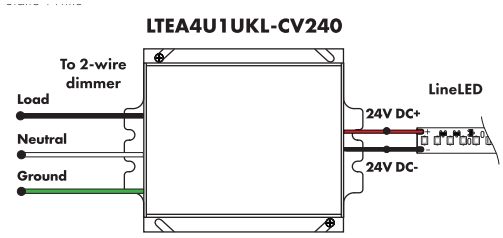
Luminii is a Lutron OEM Advantage Partner **Lutron Power Supplies 1%**

MODEL

LTEA4U1UKL-CV240

Lutron - Hi-lume™ 1% 2-wire LED Driver 40W max

(120V forward phase only)



MODEL	LTEA41UKL-CV240
Length	4.89"
Width	4.00"
Depth	2.62"

DMX Dimming Power Supplies 120VAC - 277VAC

MODEL - POWER - OUTPUT

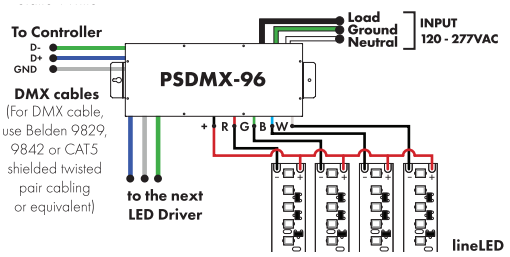
PSDMX - DMX Power Supply dims down to 0%

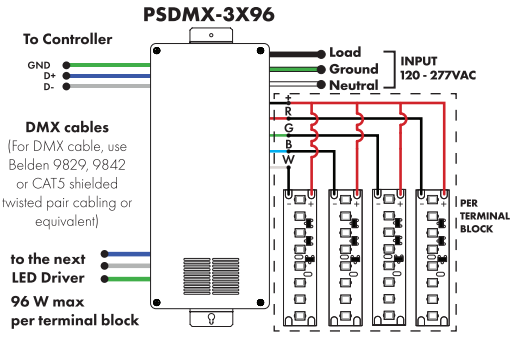
96 - 96 Watt
3X96 - 3 X 96 Watt

24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

*Zonal control power supplies. Control multiple tapes/zones using DMX channels.





MODEL	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.60"
Depth	2.60"	4.20"

LineLED 18-WL Wet Tube | IP65 & IP68 rated Linear LED strip - 24V

Decoders



MODEL

DDMX-5CH-RDM-PRO

DDMX-5CH-RDM-PRO - DMX512 Decoder

DMX512 decoder with RDM functionality features 5 PWM output channels with common anode. High PWM output frequency range allows the product to be used in HD video conferencing spaces.
All DMX products to be installed per DMX512 Standard.

Power
96 Watt

Inputs
RJ45, XLR-5Pin, Terminal Block

DMX Channels
1 to 5 settable

PWM Output Resolution Ratio
8 or 16 bit

PWM Output Frequency
500Hz - 30KHz

Output Dimming Curve Gamma Value
0.1 ~ 9.9



MODEL

DDMX-RGBW

DDMX-RGBW - DMX512 Decoder

Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output (Luminii part# RGBW-SR).

Operating Voltage
12-36 VDC

Power Capacity
up to 96W at 24V

Operating Temperature Range
from -4°F to +122°F in case

PWM Output Frequency
200Hz or 1500Hz



MODEL

RGBW-RC-R

RGBW-RC-R - RGBW receiver

The RGBW receiver is easily paired with controller by the click of a button. Receiver can be reset to factory settings at any time.

Each receiver can store one static RGB color, one color sequence, and one brightness setting for the white LED strip. Receivers assigned to the same scene within the same zone will have the same LED static color and color sequence.

Operating Voltage
12-36 VDC

Power Capacity
up to 96W at 24V

Operating Temperature Range
from -4°F to +122°F in case

LineLED 18-WL Wet Tube | IP65 & IP68 rated Linear LED strip - 24V

Decoders



MODEL

RGBW-SR

RGBW-SR - RGBW signal repeater

Extends identical signal when connected in series to an RGBW LED control system. The RGBW signal repeater works with Luminii RGB and RGBW controllers, receivers, and decoders.

RGBW signal can be extended indefinitely when adequate power supply (not included) is connected to the system.

Operating Voltage
12-36 VDC

Power Capacity
up to 96W at 24V

Operating Temperature Range
from -4°F to +122°F in case



MODEL

RGBW-WI-R

RGBW-WI-R - WIFI generator

RGBW-WI-R creates a local network that enables any electronic device (phone, tablet, etc.) to control the RGB/W strip connected to a RGBW-RC-R receiver.

The control functions are achieved through a free application download for Android and iOS devices called REALCOLOR.

Operating Voltage
12-36 VDC

Power Supply
PI-130-24 (included)

Operating Temperature Range
from -4°F to +122°F in case



MODEL

TSDMX-E

TSDMX-E - Touchscreen DMX controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

Features

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control

Power Supply

7 VDC (included)

Programmability

PC, Mac, Tablet, Smartphone

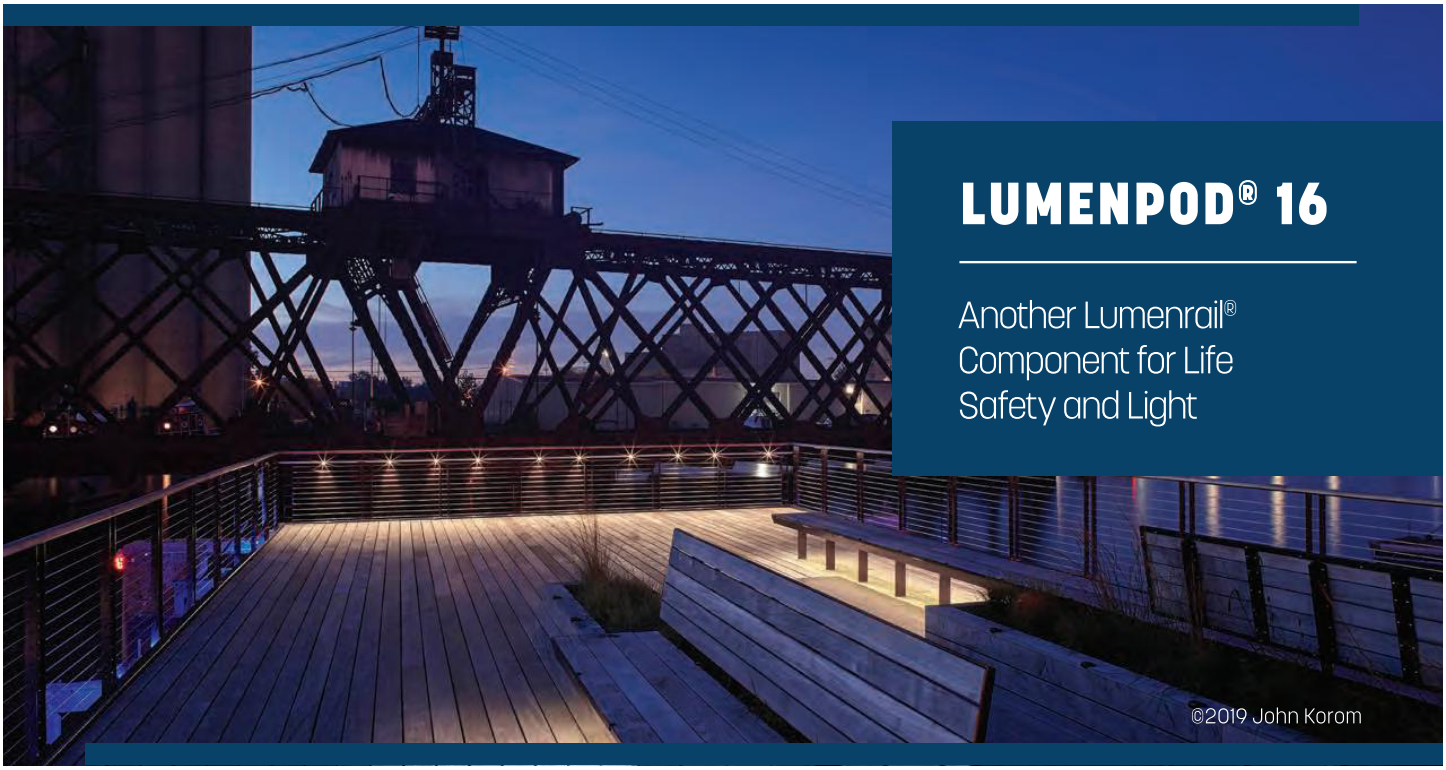
Output Signal

DMX512 (1024 channels)

Color Parameters

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness

WAGNER
Architectural Systems



LUMENPOD® 16

Another Lumenrail® Component for Life Safety and Light

COMPACT PERFORMER

The next generation point source from Wagner Architectural Systems has performance that far exceeds the expectations of its discreet 5/8″ diameter. The mechanically threaded luminaire is designed for pathway illumination with mounting options for hand rail, guardrail, decks, and shelter or entry structures. Asymmetric performance can be precisely achieved, and superior harsh environment protection and vandal resistance are combined with a simple installation. The Lumenpod provides a low-profile architectural solution for new or retrofit applications and egress compliance opportunities



- Solid machined 316 stainless steel
- Universal installation in a variety of materials
- 116 lumens per watt LED (500 mA)
- 5 IES file supported optic distributions
- IK10 impact rating and secure installation
- 24VDC operation
- ETL wet location listed
- IP67 ingress protection
- Standard in 2700 K, 3000 K and 4000 K
- 4 CCT whites and solid colors available

Specifications subject to change without notice. Verify data at time of order.

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WagnerCompanies.com
LULF SUBM R8

LUMENPOD® 16

Another Lumenrail® Component for Life Safety and Light



PROJECT NAME: _____

REP AGENCY: _____

APPROX. LINEAR FT: _____

SERVICE OPTIONS: ☐ Field Measure ☐ Job Site Support ☐ System Installation

SCAN QR CODE
for technical information, downloads and instructions.

PART NUMBER BUILDER

LULF40K703	LULF			
EXAMPLE	FIXTURE TYPE	COLOR TEMP	OPTIC	DRIVE CURRENT

** Indicates stock, other options may require additional lead-time.*

LULF- Lumenpod® 16

***27K**- 2700 K
***30K**- 3000 K
***40K**- 4000 K
50K- 5000 K
BLU- Blue
GRN- Green
RED- Red
AMB- Amber

16- 16° beam
23- 23° beam
46- 46° beam
***70**- 70° beam
94- 94° beam

***5**- 2.2W @ 500 mA
***3**- 1.7W @ 350 mA
Extended life 100,000HR version requires 350 mA

ELECTRICAL SPECIFICATIONS

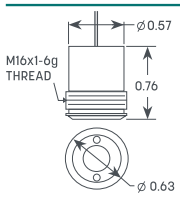
Intertek

All electrical connections to be made by a qualified electrician in accordance with all national, state and local electrical codes.

24VDC	ETL LISTED WET, IK10, IP67, CE	0-10V INPUT	-40°F TO +120°F
INPUT VOLTAGE	CERTIFICATIONS	DIMMING	OPERATING TEMP

CLASS 2 REQUIRED	5 YEARS	UP TO 116 LM/W LED	80+	8″
DRIVER	WARRANTY	EFFICIENCY	CRI	WIRE LENGTH

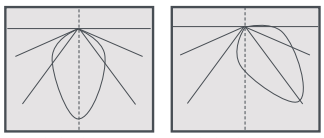
CONSTRUCTION



The Lumenpod's threaded stainless steel body dissipates heat directly into the mounting material. A machined shoulder positions it nearly flush with any diameter hand rail, as well as flat or square stock.

PHOTOMETRICS

70° 70° @ +25° above nadir



Asymmetric performance can be fine tuned on fabricated systems by rotating the fixture around the rail diameter. A 25° angle provides superb illumination results in most applications. IES reports to view or download are available by scanning the QR code or visiting our website.

LUMENGEAR™ LED DRIVER & NEMA ENCLOSURE OPTIONS

Wagner offers multiple ETL listed options for both 24VDC power supplies and NEMA enclosures. Quantities and types will be configured based on your specifications and design. Additional specification options are available by request. Not all options apply to all products, please verify compatibility with the factory.

CLASS II DRIVERS:

- STD 100W
- Dali, DMX, 0-10V Dimming Protocols
- Multiple Wattages
- Made in USA Units Available

NEMA ENCLOSURES:

4X - Polycarbonate, Painted Steel or Stainless Steel

LUMENPOST™:

Integrated 100W, 0-10V DIM

Specifications may change without prior notice, verify data at time of order, all rights reserved

WAGNER Architectural Systems
888-243-6914 // rfq@mailwagner.com
10600 West Brown Deer Road // Milwaukee, WI 53224, USA

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WagnerCompanies.com
LULF SUBM R8



Controls | eldoLED Drivers | White tuning | Dim. to warm | Sensors | WET Location | ADA Compliant | HE Tech lens | Buy American

ACL3ST

Direct - Suspended - Surface - Wall

ACL3ST combines clean lines with high performance direct distribution, for a functional and aesthetically pleasing slim profile.

Replacement of ACCOLED - ACL3

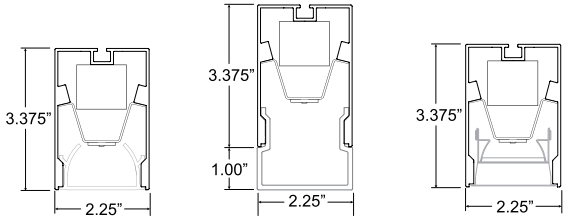
- Unique patterns with fully lit corners and intersections possible with Design Assist.
- Individual units and continuous runs in exact lengths.
- Adjustable mounting options for ease of installation.
- Custom color options.
- Quickship nominal options.
- ADA compliant mounting options.

PERFORMANCE

OUTPUT	OPTICS	NOMINAL		
		LM OUTPUT	INPUT WATTS	EFFICACY
LH (high)	HE Tech™	1075 lm/ft	10 W/ft	109 lm/W
	1" Drop Lens	861 lm/ft	9.8 W/ft	88 lm/W
LS (standard)	HE Tech™	572 lm/ft	4.9 W/ft	117 lm/W
	1" Drop Lens	453 lm/ft	4.9 W/ft	95 lm/W

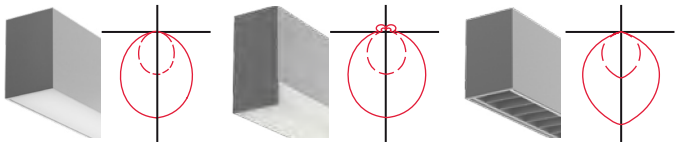
Based on static white 35K HE lens fixtures. For the complete photometric data of this fixture refer to page 4.

DIMENSIONS



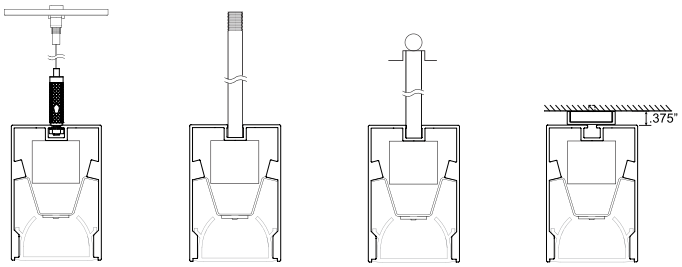
HE Tech (HE) | 1" Drop Lens (DL) | Flat Blade Louvers (LV)

DOWNLIGHT LENS OPTIONS

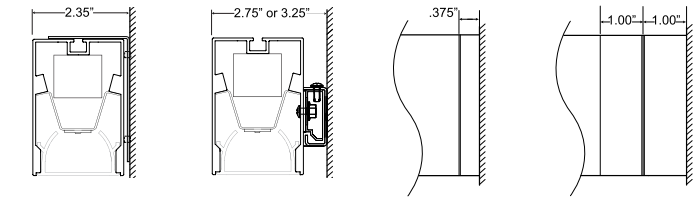


He Tech (HE) | 1" Drop Lens (DL) | Flat Blade Louvers (LV)

MOUNTING OPTIONS

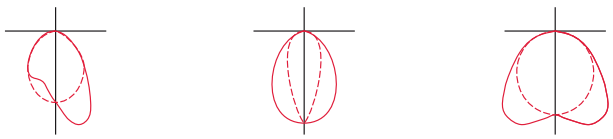


(S) Aircraft Cable | (P) Rigid Stem | (PV) Swivel Stem | (F) Surface Mount



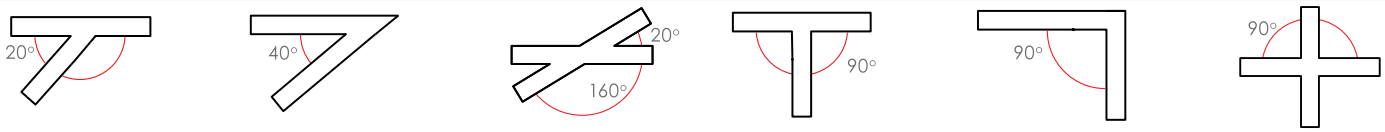
(R) Direct Wall Mount ADA Compliant | (M) Mullion Blocks ADA Compliant | (JS) Partial Span | (J) Span

OTHER OPTIONS



Wall Wash Flush Lens (WW) | Wall Grazer (WG) | Batwing (BW)

MULTIPLE INTERSECTIONS AND CORNERS OPTIONS



a·light

HARTRANFT LIGHTING DESIGN

ACL3ST | SPECIFICATION

PERFORMANCE AT 3500K

OUTPUT	OPTICS	NOMINAL		
		LUMEN OUPUT	INPUT WATTS	EFFICACY
LH (high)	HE Tech™	1075 lm/ft	9.8 W/ft	109 lm/W
	1" Drop Lens	843 lm/ft	9.8 W/ft	86 lm/W
	Flat Blade Louver*	982 lm/ft	9.8 W/ft	100 lm/W
LS (standard)	HE Tech™	572 lm/ft	4.9 W/ft	117 lm/W
	1" Drop Lens	443 lm/ft	4.9 W/ft	90 lm/W
	Flat Blade Louver*	517 lm/ft	4.9 W/ft	106 lm/W

Custom tuned output available from 25% to 125% of high output. Please consult factory for custom lumen output and wattage. *Flat Blade Louver calculated using the aluminum finish.

PROJECT INFORMATION

Project Info

Date

Type

Quantity

Need help? Don't see what you need?

Please reach out to our factory for any specific request or questions you have. Our talented Design Assist team at: designassist@alights.com

ACL3ST

ACL3ST							
SERIES	**LENGTH OR PATTERN TYPE**	**INTERSECTION TYPE**	**OUTPUT**	**LED CCT**	**CRI**	**VOLTAGE**	**DIRECT OPTICS**
ACL3ST	**_** Nominal Length* **M_** Exact Length** **PL_** "L" Shape*** **PU_** "U" Shape*** **PR_** Rectangle / Square*** **CP** Custom Pattern**** *Specify in feet to the nearest foot (i.e. 12) **Specify in inches to the nearest 1/8 (i.e. 180.125) ***Specify in inches to the nearest 1/8 (See Pattern Guide (P.6) for configurations) ****Contact Design Assist	**IT** "T" Intersection* **IX** "X" Intersection* **IY** "Y" Intersection** *Not available with Drop Lens. Available with Flat Blade Louvers only in 90° degrees. **Fully iluminated intersection available with HE Tech and Poly-carbonate Flush WISP optics only. Contact Design Assist.	**LH** High Output **LS** Standard Output **C_** Custom Output* *Available from 25% to 125% of LED High Output.	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **TW** Tunable White* **DW** Dim-to-warm* *Standard CCT range is 27-50K. Contact design assist for custom range	**_** 80+ CRI **CRI** 90+ CRI* * Not offered with (TW) Tunable white or (DW) Dim-to-warm.	**U** 120V-277V **3** 347V	**HE** HE Tech™ **DL** 1" Drop Lens* **LV** Flat Blade Louvers** **PFW** Polycarbonate Flush WISP ™ **WW** Direct Wall Wash **WG** Direct Wall Grazer **BW** Direct Batwing Wide * Not available in Wet Location. **Aluminum Standard. Not available in Wet Location.

MOUNTING	FINISH	DIMMING	EMERGENCY	SENSORS	OPTIONS
S Aircraft Cable* **P_** Rigid Stem** **PV_** Swivel Stem** **R** Direct Wall Mount **M_** Mullion Blocks*** **F** Surface Mount**** **JS** Partial Span **J** Full Span Standard power cord exit point is 3" away from end-cap. Contact Design Assist for custom location. *Standard 48" field adjustable cable, specify length to nearest inch if over 48". Black power cord provided for black and titanium finish and white power cord provided for all other fixture finishes, unless otherwise specified. **Indicate stem length to nearest inch. 6.00" minimum. ***Enter 1 for 1" depth, Enter 5 for 1/2" depth. ****Available for ceiling and wall surface mounting.	**T** Titanium **W** White **B** Black **O_** Other* *Specify RAL#	**D** Standard 0-10V dimming* **D1** HiLume Ecosystems 1% (LDE1) **D2** Phase dimming** **D4** DALI dim-to-off (EldoLED) **NAIR** nLight ®AIR (dim-to-off) **NWIR** nLight ®Wired (dim-to-off) **DO** Dimming - Other*** * 1% Dimming standard unless otherwise specified. **Reference ERP-PHB driver for compatible dimmers. *** Specify if other dimming driver is needed. Contact Design Assist.	**EC** Emergency - circuited* **E_** Emergency - battery** *Not available on fixtures < 4' length. Smallest EM circuit is 2'ft. If entire fixture is on EM circuit, no need to call out EC in part number. **Factory-installed emergency battery pack. Specify desired quantity of batteries. Not available on fixtures <4' length. Not available for 347V. See technical data for more information.	**OF** Occupancy Sensor - Fixture **PF** Photocell / Daylight Sensor - Fixture **OPF** Occupancy / Day-light Sensor - Fixture *Sensor will be matched to dimming input.	**M** Multi-Circuit* **R** Right End cap Feed **L** Left End cap Feed **K** Natatorium Application** **Q** Wet Location*** **MRI** MRI *Submit multi-circuiting requirements **Not available with aircraft cable. See guide and contact Design Assist. Not compatible with Drop Lens, Flat Blade Louvers. *** Client must specify power feed location. Not available with aircraft cable. Wet location suitable in full coverage and/or mullion mounted applications (direct to sky not recommended); not suitable for extreme weather applications. Refer to Wet Location brochure and contact Design Assist for more information. Not compatible with Drop Lens, Flat Blade Louvers optics.

LIGHT DISTRIBUTION

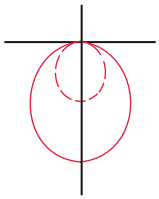
DISTRIBUTION	OUTPUT
Direct Symmetric	LH: High output - 9.8 W/ft LS: Standard output - 4.9 W/ft C: Custom tuned output - Contact Design Assist

PHOTOMETRIC DATA

DIRECT SYMMETRIC
LH - 4FT - 3500K - HE TECH

Lumens: 1075 lm/ft
Input watts: 9.8 W/ft
Efficacy: 109 lm/W

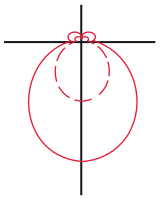
LH: ——
LS: – – – –



DIRECT SYMMETRIC
LH - 4FT - 3500K - DROP LENS

Lumens: 843 lm/ft
Input watts: 9.8 W/ft
Efficacy: 86 lm/W

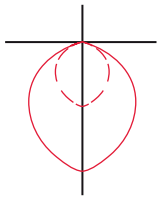
LH: ——
LS: – – – –



DIRECT SYMMETRIC
LH - 4FT - 3500K - BLADE LOUVERS

Lumens: 982 lm/ft
Input watts: 9.8 W/ft
Efficacy: 100 lm/W

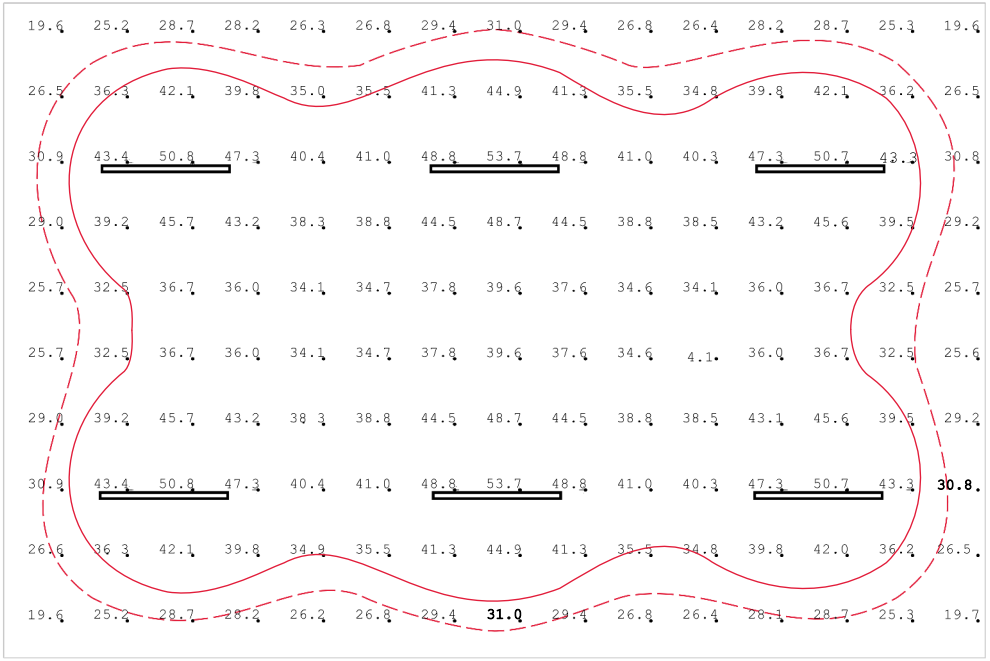
LH: ——
LS: – – – –



SAMPLE INSTALLATION - WORKSPACE

LH DOWN - 3500K

Room dimensions: 30'L x 20'W x 12'H
Reflectance: 80% / 50% / 20%
Mounting height: 9 ft A.F.F.
Fixture length: 4 ft
Calculation grid: 2 ft x 2 ft
Calculation plane (horizontal): 2.5 ft A.F.F.
Average Illuminance: 36 fc
Fixture spacing: 10 ft x 10 ft
Uniformity: 1.9:1 (avg/min)



TOP VIEW
30 fc: ——
25 fc: – – – –

LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	CRI 80+				CRI 90+			
		%	OPTICS			%	OPTICS		
			HE Tech™	Drop Lens	Flat Blade Louver		HE Tech™	Drop Lens	Flat Blade Louver
LH (high)	4000k	102.1%	1098 lm/ft	861 lm/ft	1003 lm/ft	90.2%	970 lm/ft	760 lm/ft	886 lm/ft
	3500k	100.0%	1075 lm/ft	843 lm/ft	982 lm/ft	87.3%	938 lm/ft	735 lm/ft	857 lm/ft
	3000k	96.2%	1034 lm/ft	811 lm/ft	945 lm/ft	82.4%	886 lm/ft	695 lm/ft	809 lm/ft
	2700k	92.6%	995 lm/ft	780 lm/ft	909 lm/ft	78.1%	840 lm/ft	659 lm/ft	767 lm/ft
LS (standard)	4000k	54.3%	584 lm/ft	453 lm/ft	528 lm/ft	48.0%	516 lm/ft	400 lm/ft	466 lm/ft
	3500k	53.2%	572 lm/ft	443 lm/ft	517 lm/ft	46.4%	499 lm/ft	387 lm/ft	451 lm/ft
	3000k	51.2%	550 lm/ft	427 lm/ft	497 lm/ft	43.8%	471 lm/ft	366 lm/ft	426 lm/ft
	2700k	49.2%	529 lm/ft	410 lm/ft	478 lm/ft	41.6%	447 lm/ft	347 lm/ft	404 lm/ft

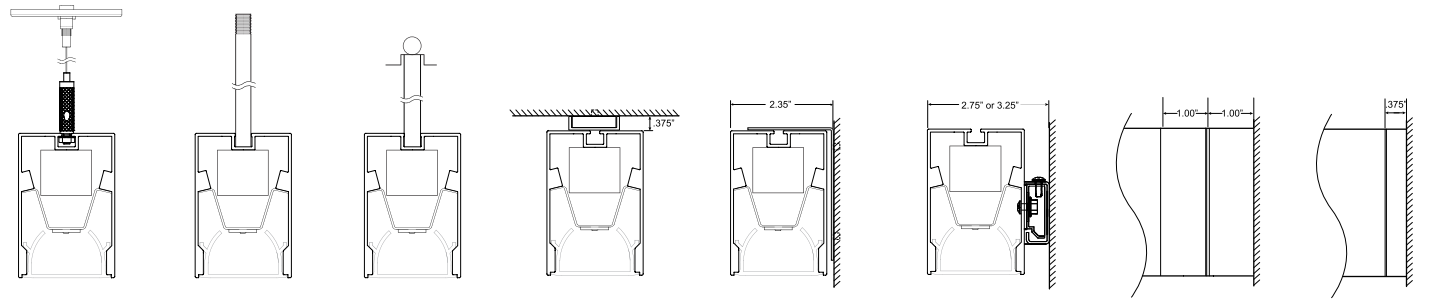
For standard output (LS) -50%.

TUNNABLE WHITE | LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	CRI 80+			
		%	OPTICS		
			HE Tech™	Drop Lens	Flat Blade Louver
LH (High)	5000k	100%	890 lm/ft	727 lm/ft	847 lm/ft
	2700k	93.6%	833 lm/ft	667 lm/ft	776 lm/ft
LS (Standard)	5000k	100%	469 lm/ft	351 lm/ft	446 lm/ft
	2700k	93.6%	439 lm/ft	383 lm/ft	409 lm/ft

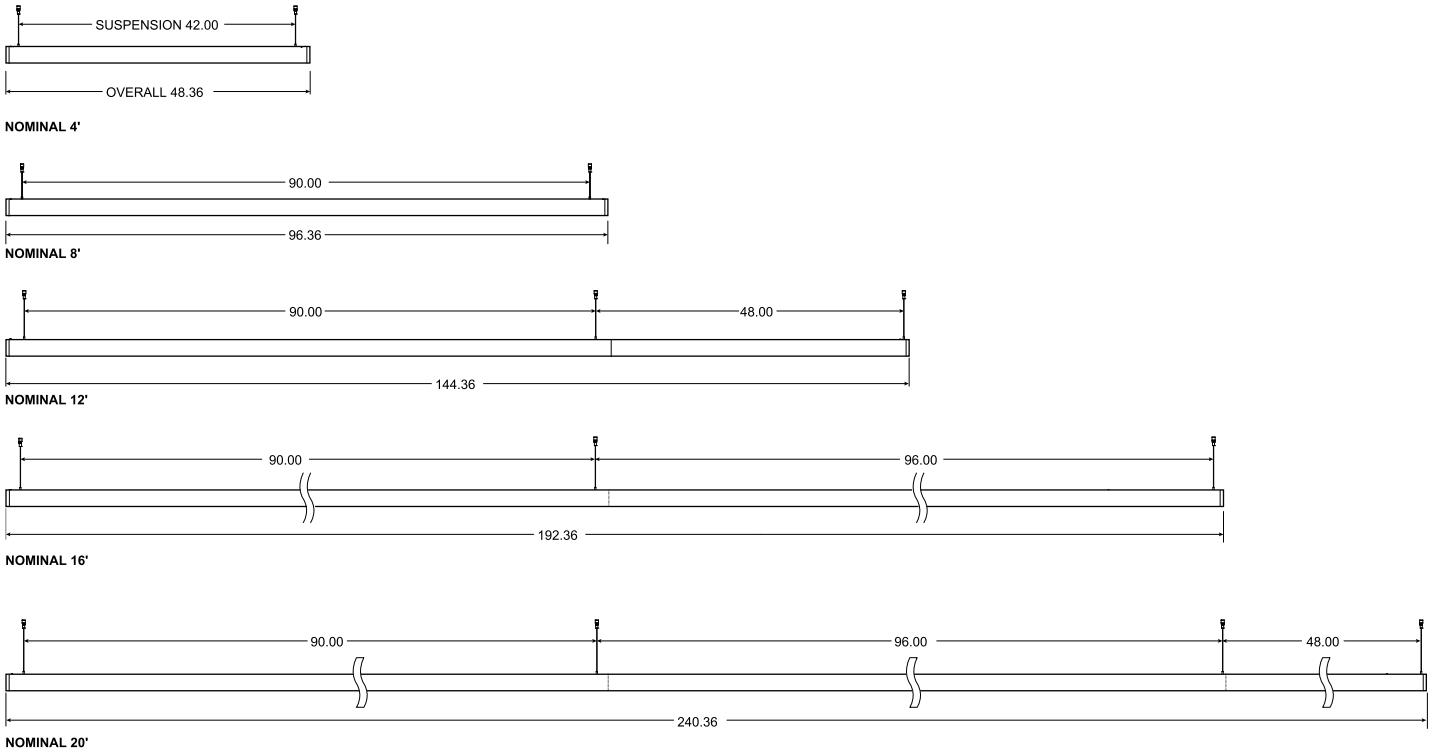
For standard output (LS) -50%. Values are applicable for Tunable White and Dim-to-warm only.

ACL3ST | MOUNTING & DIMENSIONS



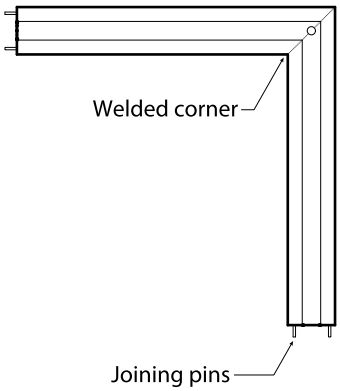
S) | Aircraft Cable (P) | Rigid Stem (PV) | Swivel Stem (F) | Surface Mount (R) | Direct Wall Mount (M) | Mullion Blocks (J) | Span (JS) | Partial Span

MOUNTING LENGTHS

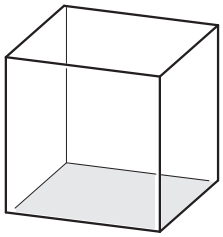


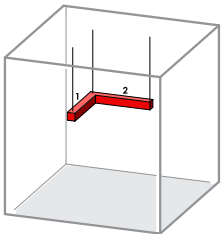
Standard dimensions shown for suspension points, all aircraft cable mounting lengths are adjustable on site.
*For nLight AIR applications: gripper needs to be at least 3.5" from the antenna. Refer to nLight dimensions section for more details.

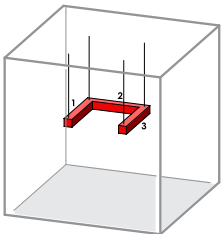
CORNER DETAIL

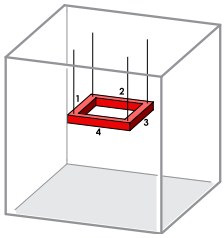


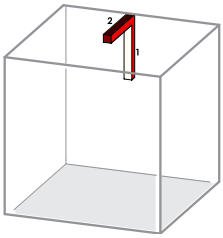
STANDARD PATTERNS

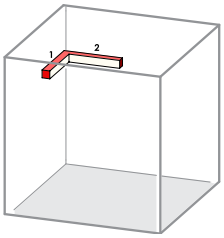

Custom Pattern*

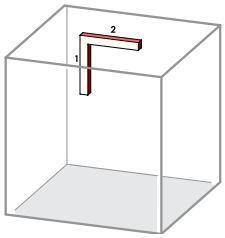

PL

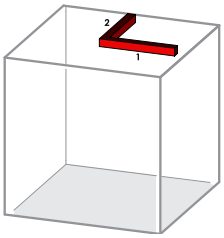

PU

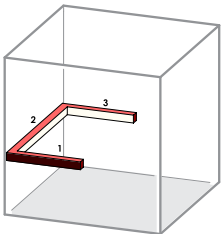

PR

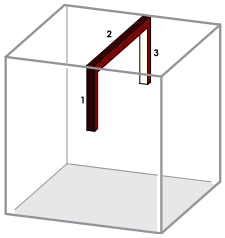

PLCW | Wall to Ceiling

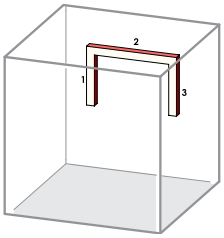

PLWW | Wall to Wall

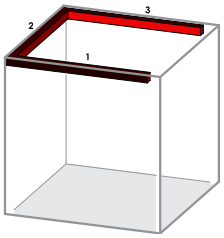

PLW | Wall Only

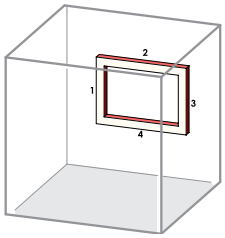

PLC | Ceiling Only

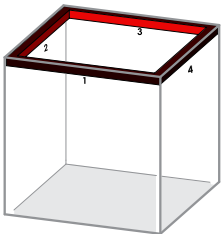

PUWW | Wall to Wall

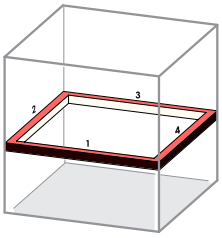

PUCW | Wall to Ceiling to Wall


PUW | Wall Only


PUC | Ceiling Only


PRW | Wall Only

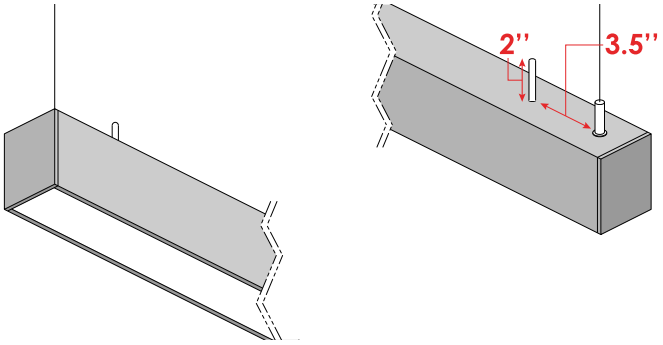

PRC | Ceiling Only


PRWW | Rectangle Wall to Wall

*Contact design assist for custom patterns.

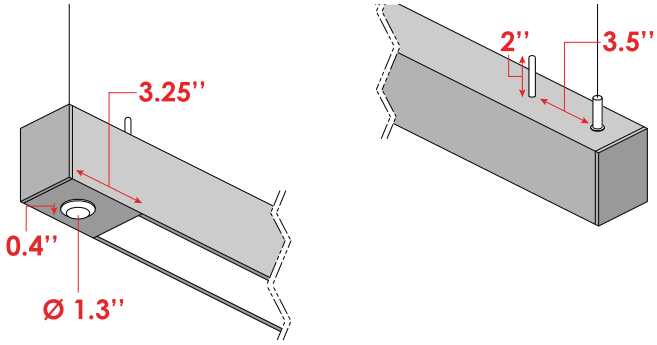
NLIGHT® DIMENSIONS

AIR : rl0



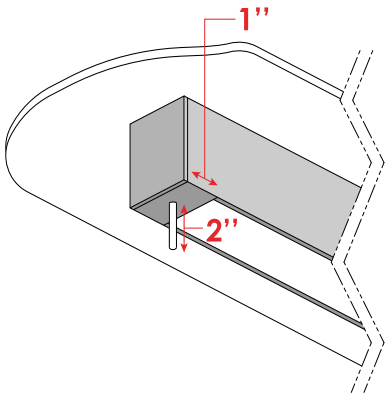
*Fixture mounted sensors and filler panel for nLight AIR only.

AIR : res7



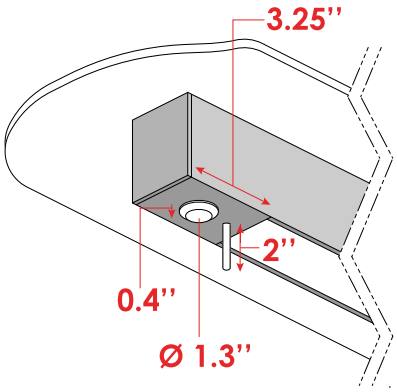
*Fixture mounted sensors and filler panel for nLight AIR only.

AIR : rl0 Surface



*Fixture mounted sensors and filler panel for nLightAIR only.

AIR : res7 Surface



*Fixture mounted sensors and filler panel for nLightAIR only.

LINEAR DIMENSIONS

Nominal length individual fixtures can be joined to create continuous row lengths.

Nominal or exact lengths to the nearest 1/8th of an inch available as individual fixtures or joined to create continuous row lengths, minimum fixture lengths is 12 inches. Patterns comprised of 90 degree precisely welded fully illuminated corners provide a multitude of geometric options and architectural transitions. Custom angled corners and intersections also available upon request.

Custom - Contact Design Assist for modifications to product not detailed within specification sheets.

OPTICS

He Tech™ patented high efficacy extruded diffuse acrylic lens technology with integrated opaque white reflector delivers superior lumen output with optimal uniform lens surface luminance for direct distribution.

Flat Blade Louvers are used to cut down on glare and better control the light source on ACL3ST. This option includes a linear film diffuser (inserted between the louvers and the LEDs), that enhances glare control. The louvers standard finish is aluminum. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

Drop Lens is a light diffuser option for ACL3ST that turns the luminaire into a decorative graphical statement. The diffuser drops down from the luminaire's main body of 1" and sits flush with the metal end caps. Once lit, the drop lens glows vividly and offers a wider diffusion pattern.

Perimeter fill - Wall wash, Wall grazer and Batwing wide for direct distributions are film optics that refract light along with an HE Tech™ extruded diffuse acrylic lens with integrated opaque white reflector.

LED LIGHT SOURCE

Custom manufactured linear board array uses high performance Nichia® LED in combination with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,0000hr; operated at reduced output for high efficacy and lumen maintenance. 2700K, 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, and High outputs. Refer to photometry for delivered lumens. Custom output available in the range 25% to 125% of high output, contact factory.

LED DIMMING DRIVER

Factory tuned constant current electronic 0-10V control dimming driver is standard. Specification grade dimming down to 1%. Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 50°C, maximum case temperature of 80°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency. Other available drivers include Lutron Hi-lume 1% EcoSystem LED Driver (LDE1) with Soft On, Fade to Black dimming technology; and DALI protocol drivers. Other Lutron and specialty drivers available, contact factory.

EMERGENCY

This luminaire is provided with a factory installed LED emergency lighting battery pack for both normal and emergency operation, 120-277v only. This fixture integrated unit contains long-life Ni-Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button to be remote located within 3 feet of the luminaire, in accordance with local code. Emergency mode provides constant power to a nominal 12W LED load for a period of 90 minutes, delivering 1200 lumens of unwavering illumination throughout the full 90 minute emergency duration. Unless otherwise specified, the emergency battery pack will illuminate one 2 foot end in the direct portion of the fixture. Not available in fixtures <4ft'.

Emergency circuiting provided as a separate circuit from normal power circuit according to NEC requirements, specify circuit length and location.

CONTROLS

Low-profile integral occupancy and daylight sensors are available to deliver high performance control in an architecturally pleasing package.

Integrated nLight ® for system networking wired and wireless:

NLIGHT ® AIR WIRELESS

The integrated API smart sensor is part of each luminaire in the nLight® AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application. Optionally you can order nLight® AIR sensors for compatibility with an nLight Air wireless system. The rIO, rES7, rMSOD, and rCMS models are available for integration.

CONTROLS AND SYSTEM NETWORKING OPTIONS

For wired networking via Cat-5e, choose an nLight® wired module. The nIO EZ PH, nIO EZDL CCT, nES7 and nCM are available for integration.

nLight enabled, remote mounted controls provided by others. Please contact an Acuity controls representative for more information.

MOUNTING

Suspension with aircraft cables or pendant stems, and full or partial span mounting available.

Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length and adjustable suspension points to accommodate existing architecture, comes factory pre-installed in fixture. 4-1/2" x 4-1/2" square white canopies, unless otherwise noted. Cord strain also included for power canopies. Power cord options available for aircraft cable. Black power cord provided for black and titanium finish, white power cord provided for all other fixture finishes unless otherwise specified.

Rigid pendant stem-set includes 1/4" hollow white threaded rod for suspension and power feed. Factory pre-drilled power feed and tapped holes, submit dimension requirements when ordering. Standard specification length, 6" minimum. 5" square mono point white canopies, unless otherwise noted.

Swivel stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 6" in minimum. 5" in square mono point white 45-degree angle swivel stem, unless otherwise noted. Factory pre-drilled power feed and tapped holes, submit dimension requirements when ordering.

Specify if another suspension length is required. Canopies provided as required for the quantity of power feed and non-power feed locations (crossbar included). Specify if another shape, size, or color is required.

Direct wall mounting is ADA compliant. Factory pre-drilled holes can be tapped for ½" chase nipple, submit dimension requirements when ordering. The top groove of the fixture is used to mount the fixture and provides a firm and flexible mounting option.

Surface ceiling and wall mounting is offered with die-cast mounting blocks with sheet metal brackets used to provide a firm flexible mounting option in any orientation the system might be installed in.

Mullion blocks are used to mount fixtures to a horizontal or vertical window mullion and can also be used to offset fixtures from the wall. ½" and 1" offsets are available standard. Custom offsets are also available upon request. (2) Mullion blocks are provided for fixtures 8ft or less. Fixtures larger than 8ft are provided with (3) blocks. The maximum distance between (2) mounting blocks is 8ft. Power feed holes are pre-drilled and mounting hardware is pre-installed at the factory to the fixture housing. Standard mullion block center location point has a 3" distance from endcap. Submit custom dimension requirements when ordering.

Partial /Full span mounting conditions utilize special expansion joint end caps to mount fixture to the wall (blocking required) and feed power through the end cap, specify end feed location. Additional attachment hardware provided as required depending on partial span condition. Provide architectural details at time of ordering for inclusion in factory shop drawings; field verified dimensions required for full span mounting.

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Flat or flanged aluminum end caps. Aluminum joiner brackets. 2 lbs/ft approximate fixture weight.

FINISH

Electrostatically applied powder coat finish. Standard finish options include titanium, white, and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

LISTING

UL/CUL rated for damp locations. Tested under UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

UL Wet location label available. Complies with UL definition of wet locations to prevent the accumulation of water on live parts, electrical components, other conductor not identified for use in contact with water through the provision of weep holes. Waterproof connector to be provided by others. Installing contractor responsible for properly sealing and waterproofing all mounting and power feed locations.

The ACL3ST is assembled in the U.S.A. and comply with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for five (5) year. LED products (LED boards and drivers) will be covered for five (5) years. Please refer to the full terms and conditions on our website.

Image Spot®

Brilliant Imaging.

Crystal clear optics allow you to project vivid images and messaging up to 40 ft. (12m) away! Using a mere 45W of power, the Image Spot LED projector packs an amazing amount of light output from a versatile and compact design.

The cool white or warm white LEDs ensure bright imaging in virtually any environment. An available filter kit allows the Image Spot to be used to illuminate subjects in museums, themed entertainment and hospitality venues.

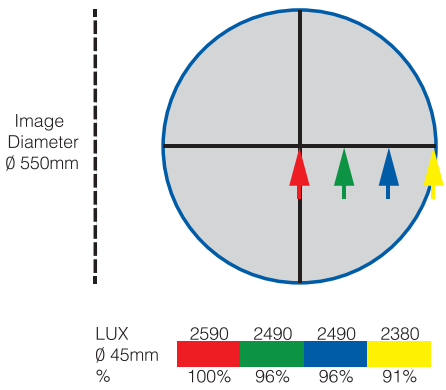
Project:	Type:
Quantity:	Location:





Image Spot™ HT

Superior Uniformity Across Entire Field



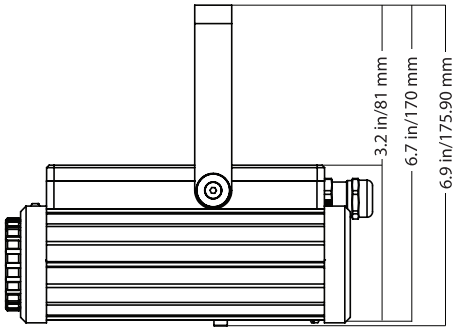
KEY FEATURES

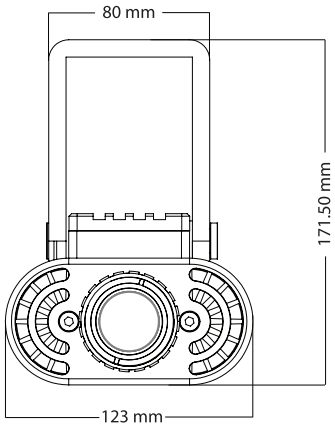
- 40W LED array with 10°, 19°, 25° or 30° beam optics provide superb image uniformity and fringe-free shadows
- IP40 rating for indoor use or IP65 rating for outdoor use HT variant for high ambient temperature environments
- Accepts Rosco Image Spot Gobos and Permacolor Dichroic Glass Color Filters
- Available OPTI-FLECS filter packs for beam diffusion
- Accepts universal line voltage input allowing operation anywhere around the globe
- DMX512 compatibility provides flicker-free dimming throughout the range: 100% ~ 0%
- 0-10V, DMX, DALI & Push to DIM dimming options
- Passive cooling means operation is completely silent
- Standard Color Options: Black, White and Silver

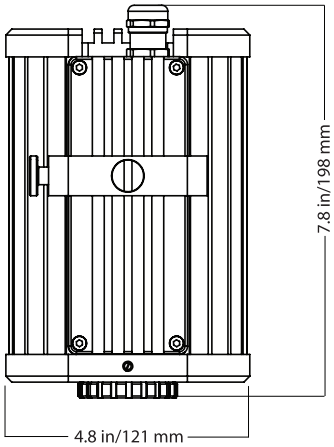
Image Spot®

SPECIFICATIONS

Input Voltage:	100-277VAC (V1:100-240VAC)
Power Consumption:	45 Watts at maximum output
Color Temp. Options:	5500K or 3000K or UV
CRI:	5500K Model: 80 3000K Model: 95
Output:	5500K Model: 1300 lumens 3000K Model: 750 lumens
Lumen Maintenance:	50,000 hours at 45°C (LM-79-08)
Power Connection:	6.5 ft (2m) insulated standard (IP40) or hybrid data/mains cable (IP65) (Connectors not included.)
Data:	DMX512, 0-10V, DALI, Push DIM Options RJ45 Connector (IP40) In and thru, hybrid power & data cable (IP65)
DMX Addressing:	RDM functionality available for addressing
Dimensions:	Image Spot (including yoke): 7.8 in x 4.8 in x 6.8 in (198mm x 123mm x 172mm) Image Spot HT (including yoke): 9.3 in x 4.8 in x 6.8 in (236mm x 123mm x 172mm)
Weight:	Image Spot: 5.5 lbs (2.5 kg) Image Spot HT: 5.9 lbs (2.7 kg)
Operating Temp.:	Image Spot: -13° to 104° F (-25° to 40° C) Image Spot HT: -13° to 122° F (-25° to 50° C)
Humidity:	0 - 95% non-condensing
Housing:	Anodized Aluminum Extrusion
Approvals:	ETL / UL Standards #62368-1 and #60950-22 cETL / CSA C22.2 #62368-1 and #6095-22 CE IP40 Rated (indoor use) or IP65 Rated (outdoor use)







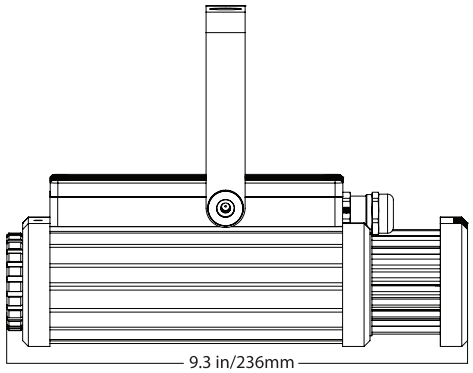


Image Spot® HT

Intertek RoHS COMPLIANT

Image Spot®

SPECIFICATION ORDER CODES

UNIT	CCT	Finish	Data Transfer	Mounting	Lens	Optional Accessory
Image Spot ST Image Spot IP Image Spot HT	3 - 3000K 5 - 5500K U - UV O - Custom*	B - Black W - White S - Silver C - Custom RAL	A - DMX/RDM, RJ45 (IP40 Only) B - DALI, RJ45 (IP40 Only) C - Push DIM, RJ45 (IP40 Only) 0 - 0/10V, No Connector 1 - DMX/RDM, No Connector 2 - DALI, No Connector 3 - Push to DIM, No Connector	F - Full Yoke Y - Track Mount L - Floor Mount W - Wall Mount C - Ceiling Mount P - Pole Mount N - N/A	T - 10 degree 1 - 19 degree 2 - 25 degree 3 - 30 degree N - No Lens	S - Snoot N - N/A

Example:

ImageSpot ST	3	B	1	F	T	N

Ie. ImageSpot ST-3B1FTN =
Image Spot Standard, 3000K CCT, Black, DMX/RDM, No Connector, Full Yoke, 10 degree Lens, with no additional accessories.

*Custom color temperature available with minimum order quantity, price difference and longer lead time. For more information please contact Project.Management@Rosco.com

Name: _____ Date: _____

Company Name: _____

Project: _____

Image Spot®

Image Spot® Accessories

Item Code	Description
296 00001 0013	Image Spot OPTI-FLECS Filter Pack
296 00001 0052	Image Spot Lens Cover Kit
296 00001 0017	Image Spot USB to RJ45 Programming Cable
296 00001 0011	Image Spot USB to RS485 Programming Cable
296 00001 0012	Image Spot Safety Cable, 3ft (1m)
296 00000 5001	Rosco Pole Mount Accessory - Black
296 00000 5002	Rosco Pole Mount Accessory - White
296 00000 5003	24" Stainless Steel Strap Rosco Pole Mount Kit - 3-Pack
296 00000 5004	Rosco Wall Mount Accessory - Black
296 00000 5005	Rosco Wall Mount Accessory - White

Image Spot Gobos & Permacolor Filters

For optimum image quality and performance, use Rosco Image Spot Gobos and Permacolor Filters, which feature custom bezels that enable a secure fit inside the Image Spot gobo cassette.

Image Spot® Gobos

Item Code	Description
Standard Gobos	
XXXXX-SPOT	Image Spot Standard Gobo XXXXX = The five digit standard gobo number
Custom Gobos	
250 7210I SPOT	Image Spot Custom Steel Gobo
260 CUSBW OSPO	Image Spot Custom B&W Glass Gobo
260 CUS1C OSPO	Image Spot Custom One-Color Glass Gobo
260 CUS2C OSPO	Image Spot Custom Two-Color Glass Gobo
260 CUSMC OSPO	Image Spot Custom Multi-Color Glass Gobo

Permacolor™ Dichroic Filters

Item Code	Description
1203 XXXX SPOT	Image Spot Permacolor Dichroic Glass Filter XXXX = the four digit color number (includes bezel to fit inside gobo cassette)

RISE™

OVERVIEW • SPECIFICATIONS • ORDERING

INTERIOR + EXTERIOR | **F080 SINGLE**

DATE	PROJECT	FIRM	TYPE

RISE IS A SYSTEM OF BEAUTIFULLY DESIGNED OUTDOOR RATED LUMINAIRES THAT PROVIDE EFFICIENT AND POWERFUL LIGHT USING THE LATEST IN LED TECHNOLOGY. RISE F080 SINGLE IS A POWERFUL AND COMPACT LED LIGHT FIXTURE, DELIVERING UP TO 1170 LUMENS, THAT CAN BE USED IN SPOT, ACCENT, LANDSCAPE AND FLOODLIGHT APPLICATIONS. ITS UNIQUE MACRO™ LOCK FEATURE ALLOWS FOR FULL 180 DEGREE TILT AND 360 DEGREE PAN AIMABILITY USING ONLY ONE TWIST.

FEATURES :

- POWERFUL CBCP
- EXTREMELY COMPACT
- POWERFUL OUTPUT UP TO 1170 LUMENS
- MACRO™ LOCK - 180° TILT AND 360° PAN
- 12 UNIQUE BEAM ANGLES
- MULTIVOLT (110 V-277 V)
- 8 CCTS: 2200K THROUGH 6500K
- 80+ AND 90+ CRI
- DIMMABLE TO 5%
- IP66 RATED



FIXTURE MODEL	FIXTURE CONFIG.	POWER/ LUMEN OUTPUT*	CCT/ COLOR	CRI	BEAM ANGLE	FINISHES	ACCESSORIES	WIRING AND MOUNTING
F080	1S - Single Head	LO - Low Output MO - Medium Output HO - High Output	22 - 2200K 25 - 2500K 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K 65 - 6500K RD - Red GR - Green BL - Blue AM - Amber *2200K and 2500K not available in 40°, 60°, 70° and 90°	8 - 80 9 - 90* X - For RD, GR, BL, AM *90 CRI not available in 2200K, 2500K, 5000K, and 6500K	05 - Laser Spot (5°) 10 - Very Narrow Spot (10°) 15 - Narrow Spot (15°) 20 - Spot (20°) 40 - Flood (40°) 60 - Medium Flood (60°) 70 - Wide Flood (70°) 90 - Very Wide Flood (90°) E1 - Elliptical 1 (15°x60°) E2 - Elliptical 2 (30°x60°) E3 - Elliptical 3 (60°x15°) E4 - Elliptical 4 (60°x30°)	K - Black Z - Bronze S - Silver W - White C - Custom* *Provide RAL #	X - No Accessory H - Half Snoot F - Full Snoot Will ship as X if not specified	A - 19" Flying Leads - Internal Cable IC; Bottom Exit; 1/2" NPT ; UL/CE Listed B* - 10' External Cable Side Exit; Surface Mount ; UL Listed C* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT ; UL Listed D* - 10' External Cable Side Exit; Surface Mount ; CE Listed E* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT; CE Listed *Will ship as A if not specified

EXAMPLE: F080-1S-LO-22-8-05-S-X-A

*See Photometry Chart for Lumen Data

PERFORMANCE	WATTS	POWER	LUMEN OUTPUT	OPTIC	EFFICACY	CBCP
	4	Low Output	309	5°	77	22,017
	7.5	Medium Output	531	5°	71	37,812
	11.5	High Output	744	5°	65	52,991

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX 80+, 90+

COLOR CONSISTENCY 3-STEP MACADAM ELLIPSE

LUMEN DEPRECIATION

WATTS	L70 @ 25C	L70 @ 50C	L90 @ 25C	L90 @ 50C
LOW	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**
MEDIUM	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**
HIGH	>60,500* >(181,000)**	>36,300*	>60,500* >(69,800)**	>33,200*

* ENERGY STAR REPORTED TESTING HOURS TO DATE. CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

** ESTIMATED HOURS

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/rise for the most updated information.

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RISE™

OVERVIEW • SPECIFICATIONS • ORDERING

INTERIOR + EXTERIOR | **F080 SINGLE**

DATE	PROJECT	FIRM	TYPE

ELECTRICAL	**WATTAGE**	LOW OUTPUT = 4 W; MEDIUM OUTPUT = 7.5 W; HIGH OUTPUT = 11.5 W
	POWER FACTOR	>0.9 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)
	THD	<0.2 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)
	OPERATING VOLTAGE	MULTIVOLT: 110-277 VAC, 50/60 Hz
	DRIVER	INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS
	STARTUP TEMPERATURE	-40 ˚F TO 122 ˚F (-40 ˚C TO 50 ˚C)
	OPERATING TEMPERATURE	-40 ˚F TO 122 ˚F (-40 ˚C TO 50 ˚C)
	STORAGE TEMPERATURE	-40 ˚F TO 176 ˚F (-40 ˚C TO 80 ˚C)
CONTROL	**DIMMING**	110-277 VAC, ELV TYPE, REVERSE PHASE, TRAILING EDGE
PHYSICAL	**DIMENSIONS**	W 2.49" x H 8.13" x L 6.97" ; (63.33 mm x 206.45 mm x 177.05 mm)
	HOUSING/LENS	EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS
	WEIGHT	1.25 LBS / 0.56 KG
	ENVIRONMENT	OUTDOOR • UL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 MEETS 3G ANSI C136.31 VIBRATION STANDARD FOR BRIDGE APPLICATIONS
	MOUNTING OPTIONS	A - FLYING LEADS - INTERNAL CABLE IC; BOTTOM EXIT; 1/2" NPT ; UL/ CE RATED B - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; UL LISTED SURFACE MOUNT PLATE INCLUDED C - EXTERNAL CABLE BOTTOM EXIT; 1/2" NPT ; UL LISTED SURFACE MOUNT PLATE INCLUDED D - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; CE LISTED SURFACE MOUNT PLATE INCLUDED E - EXTERNAL CABLE BOTTOM EXIT; SURFACE MOUNT ; CE LISTED SURFACE MOUNT PLATE INCLUDED
	WIRING	LENGTH OF FLYING LEADS 19" (482.6 mm) LENGTH OF EXTERNAL CABLE 10' (3.05 m)
	TOOLS	2.5 mm HEX KEY AND PHILLIPS #0 SCREWDRIVER FOR INTERCHANGEABLE LENS + SNOOTS 4 mm HEX KEY FOR AIMING 5 mm HEX KEY FOR MAIN TILT ARM
	WIND LOAD (EPA)	EFFECTIVE PROJECTED AREA 0.14 ft^2
	CORROSION RESISTANT	RISE HAS A HIGH-PERFORMING, CORROSION-RESISTANT FINISH THAT USES HIGH DURABILITY TRIGLYCIDYL ISOCYANURATE (TGIC) POWDER COATINGS SPECIFICALLY DESIGNED FOR NATATORIUMS AND EXTERIOR WEATHER EXPOSURE. THIS FINISH HAS BEEN TESTED AND APPROVED TO **MARINE GRADE** CORROSION RESISTANCE STANDARD IN UL1598A, ASTM B117 SALT FOG TEST FOR 200 HOURS.
FIXTURE RATING & CERTIFICATIONS	**CE, UL CERTIFIED** **RoHS COMPLIANT, IK10**	CE · c UL us LISTED · RoHS COMPLIANT · IK10
LIMITED WARRANTY	**5 YEARS**	

0-10V CONTROL OPTIONS

100-120 VAC / 277 VAC Linear Dimming Control Module 0-10 V - Plenum Rated **LDCM-PL-120-277-010V-GR**

All products come standard with ELV dimming capabilities. 0-10V Control options required for operation at 0-10V.

OPTIONAL ACCESSORIES

Snoots

Half Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... **F080-H-(K,Z,S,W,C)**

Full Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... **F080-F-(K,Z,S,W,C)**

Interchangeble Lens

If inner optic = 5°,

Desired angle .....order the following spread lens

5 Degree **F080-LENS-05**

10 Degree **F080-LENS-10**

15 Degree **F080-LENS-15**

20 Degree **F080-LENS-20**

40 Degree **F080-LENS-40**

60 Degree **F080-LENS-60**

80 Degree **F080-LENS-80**

15x60 or 60x15 Degree **F080-LENS-E1E3**

30x60 or 60x30 ..... **F080-LENS-E2E4**

Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 80, 15x60 or 60x15, 30x60 or 60x30) **F080-LENS-FULLSET**

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OVERVIEW • SPECIFICATIONS • ORDERING | INTERIOR + EXTERIOR | **F080 SINGLE**

DATE	PROJECT	FIRM	TYPE

If inner optic = 40°,
Desired angle ..... Order the following spread lens

5 Degree	NOT SUPPORTED
10 Degree	NOT SUPPORTED
15 Degree	NOT SUPPORTED
20 Degree	NOT SUPPORTED
40 Degree	F080-LENS-10
60 Degree	F080-LENS-40
70 Degree	F080-LENS-60
90 Degree	F080-LENS-80
15x60 or 60x15 Degree	NOT SUPPORTED
30x60 or 60x30 Degree	NOT SUPPORTED
Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 70, 90, 15X60 or 60X15, 30X60 or 60X30)	F080-LENS-FULLSET

Honeycomb Louver

Honeycomb Louver F080	F080-LV-HComb

Canopy Plate (Not for use with wire Option B - External Cable Side Exit)

RISE Canopy Plate (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	RISE-CANOPY-04-(K,Z,S,W,C)

Color Filters

Red	F080-FILTER-RED
Blue	F080-FILTER-BLUE
Green	F080-FILTER-GREEN
Amber	F080-FILTER-AMBER

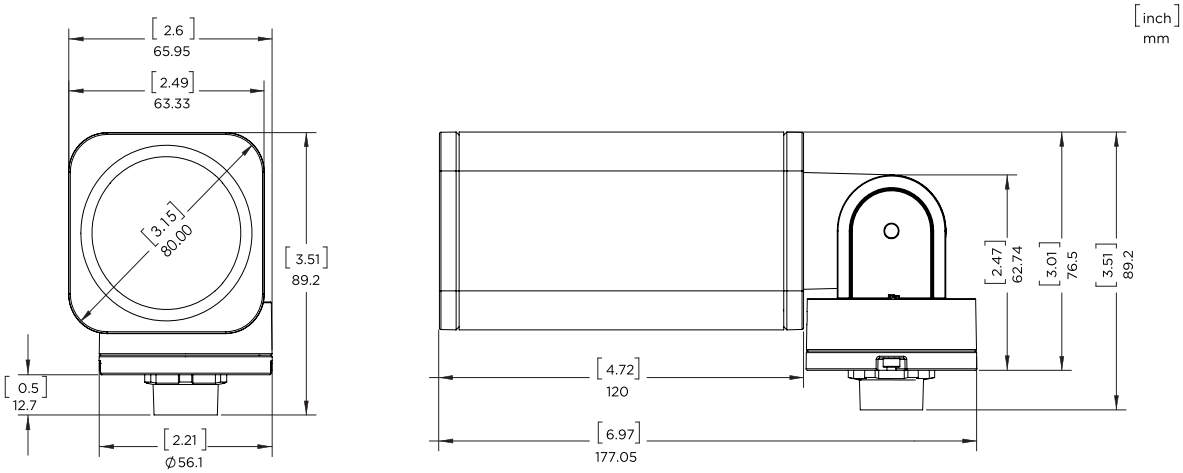
F080 Wall Mount Arm (for use only with Wiring Option C – External Cable Bottom Exit and not for use with multi-up fixtures)

Wall Mount Arm, 6 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-06-(K,Z,S,W,C)
Wall Mount Arm, 12 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-12-(K,Z,S,W,C)
Wall Mount Arm, 18 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-18-(K,Z,S,W,C)
Wall Mount Arm, 24 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-24-(K,Z,S,W,C)

Ground Stake (for use only with Wiring Option C – External Cable Bottom Exit and not for use with multi-up fixtures)

Landscape Stake, 12 in (for use with F080 Single Head only, not for use with multi-fixture units)	F080-LS-1S-STK-12

DIMENSIONS



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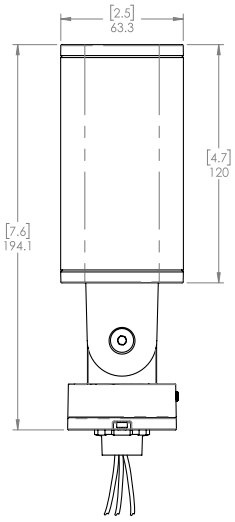
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WIRING GUIDE

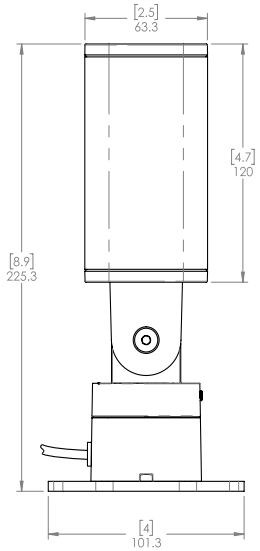
RISE is and exterior rated (IP66) fixture that is available in three different wiring options:

Flying Leads - Internal Cable
(UL Listed or CE Listed)



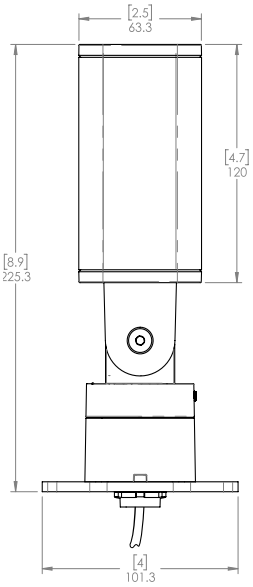
- For use with standard junction boxes
- 1/2" NPT Taper, Cable Length is 19"
- Compatible with EcoSense Canopy junction Box Cover
- 18 AWG Stranded Copper Cable - 3 Conductors

External Cable Side Exit
(UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the side of the base
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10' (3.05 m)

External Cable Bottom Exit
(UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the bottom for use with various accessories such as Wall Mount Arm and Ground Stake
- 1/2" NPT taper for mounting
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10' (3.05 m)

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/rise for the most updated information.

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INTERIOR + EXTERIOR | **L50 LOL**

DATE	PROJECT	FIRM	TYPE

THE L50 INCLUDES PATENTED OPTICAL DESIGN THAT DELIVERS THE WIDEST RANGE OF BEAM ANGLE OPTIONS FOR PRECISE COVE, WALL GRAZING, WALL WASHING OR LINE OF LIGHT APPLICATIONS. EXCLUSIVE FLIP TO FLAT™ HINGE DESIGN PROVIDES FLEXIBILITY WHEN MANAGING SMALL COVE DETAILS. TROV OFFERS SMOOTH, FLICKER FREE DIMMING DOWN TO 0%.

FEATURES :

- DIM TO 0%, ELV REVERSE PHASE
- 24 BEAM ANGLES
- MULTI-VOLT
- FLIP TO FLAT™
- 6 CCT OPTIONS
- 80+ AND 90+ CRI OPTIONS
- IP54 INTERIOR AND IP66 EXTERIOR OPTIONS



MODEL/ SIZE	INTERIOR/ EXTERIOR	LENGTH	POWER	CCT		CRI	VOLTAGE	OPTICS
L50 –	I E	12″ 48″	02 04 06 08 10 12	**WHITE CCT** 22 27 30 35 40 50	**MONO COLOR** GR**** BL AM RD***	80 90* Blank For Color	MULT (120-277V)	**GRAZING** 9 x 9 9 x 17 9 x 29 9 x 59 15 x 15 15 x 23 15 x 35 15 x 65 **COVE** 120** Asym **LINE OF LIGHT** LOL **WASHING** 25 x 25 25 x 33 25 x 45 25 x 75 39 x 9 55 x 25 40 x40 40 x 48 40 x 60 40 x 90 45 x 15 70 x 40 70 x 70

EXAMPLE: L50-I-48-10-27-90-MULT-15x65 *90 CRi not available in 2200K or 5000K **120 is only available with Exterior option. See L35 spec sheet for interior cove options. ***Red is not available in 12W or 10W. ****Green is not available in 12W.

PERFORMANCE	WATTS	OPTIC	LUMEN OUTPUT	EFFICACY
	2W	LOL	85 lm/LF (278 lm/m)	42 lm/W
	4W	LOL	208 lm/LF (684 lm/m)	52 lm/W
	6W	LOL	332 lm/LF (1089 lm/m)	55 lm/W
	8W	LOL	462 lm/LF (1517 lm/m)	58 lm/W
	10W	LOL	560 lm/LF (1837 lm/m)	56 lm/W
	12W	LOL	651 lm/LF (2136 lm/m)	54 lm/W

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX 80+, 90+

COLOR CONSISTENCY 2-STEP MACADAM ELLIPSE

LUMEN DEPRECIATION / RATED LIFE

WATTS	L70 @ 25C	L70 @ 50C	L90 @ 25C	L90 @ 50C
2W-12W	>150,000	>70,000	>50,000	>25,000

*CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

* CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

ELECTRICAL

POWER CONSUMPTION 2W*/LF (6.6W/M) ; 4W/LF (13.2W/M) ; 6W/LF (19.8W/M) ; 8W/LF (26.4W/M) ; 10W/LF (33W/M) ; 12W/FL (39.6W/M)
* 3W/LF (9.9W/M) at 220V -277V

MAX FIXTURE RUN LENGTH

	2W/LF		4W/LF		6W/LF		8W/LF		10W/LF		12W/LF	
Volts	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'
120	214	214	186	186	152	152	114	114	91	91	76	76
220	374	392	340	340	277	277	209	209	95	167	95	139
277	374	494	374	428	349	349	263	263	95	190	95	175

POWER FACTOR 4W, 6W, 8W, 10W, 12W >0.9, 2W<0.9

OPERATING VOLTAGE MULTIVOLT: 110-277VAC, 50/60 Hz

DRIVER INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS

STARTUP TEMPERATURE -40˚F TO 122˚F (-40˚C TO 50˚C)

OPERATING TEMPERATURE -40˚F TO 122˚F (-40˚C TO 50˚C)

STORAGE TEMPERATURE -40˚F TO 176˚F (-40˚C TO 80˚C)

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DATE	PROJECT	FIRM	TYPE

CONTROL	**DIMMING**	110-277VAC, ELV TYPE 0.07%-100%, REVERSE PHASE, TRAILING EDGE ETC control systems require 0-10V control using EcoSense LDCM. TROV will not work with ETC phase dimmers.
PHYSICAL	**DIMENSIONS**	W 1.6" x H 2" x L 12"/48" ; (41.6mm x 50.5mm x 304.7mm/1201mm)
	HOUSING /LENS	EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS; PLASTIC ENDCAPS RUBBER OVERMOLD FOR CABLE ASSEMBLY
	WEIGHT	1.52LBS / 0.69KG (1FT) ; 4.95LBS / 2.25KG (4FT)
	CONNECTORS	INTEGRAL MALE/ FEMALE CONNECTORS
	ENVIRONMENT	INDOOR • ETL CERTIFIED FOR DRY/DAMP LOCATIONS IP54 OUTDOOR • ETL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 Not intended to be used in water features such as waterfalls, fountains, etc.
	BEAM ANGLE	GRAZING, WASHING, COVE, ASYMMETRIC, LINE OF LIGHT
	MOUNTING OPTIONS	INTEGRAL MOUNTING AND ADJUSTABLE AIMING FROM 0˚-180˚ IN 15˚ INCREMENTS
FIXTURE RATING & CERTIFICATIONS	**CE, ETL CERTIFIED** **RoHS COMPLIANT** **RCM CERTIFIED**	Title 24 JA8-2016 *90 CRI models only
LIMITED WARRANTY	**5 YEARS**	

WIRING OPTIONS (MVOLT): 110-277VAC

Power Cable Assembly, TROV, Leader/Jumper, 10 foot **CBL-3P-L-UNV-10***
Power Cable Assembly, TROV, Leader/Jumper, 50 foot **CBL-3P-L-UNV-50***
Power Cable Assembly, TROV, Jumper, 5 foot **CBL-3P-L-UNV-05****
Power Cable Assembly, TROV, Jumper, 1 foot **CBL-3P-L-UNV-01****
Power Cable Assembly, TROV, Male and Female terminator caps **CBL-3P-L-UNV-CAPS**

*Two (2) terminators are included with the 10' and 50' power cable. One Leader need per circuit/fixture run. Cables are not plenum rated.
** If using the 5' or 1' power cable assembly as a leader to power a run, one set of CBL-3P-L-UNV-CAPS will also be needed per cable.

0-10V CONTROL OPTIONS

100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated **LDCM-PL-120-277-010V-GR**
All products come standard with ELV dimming capabilities. 0-10V Control options required for operation at 0-10V.

OPTIONAL ACCESSORIES

Mounting

Mounting Track and Clips Set, 48 Inch Track, 8 Clips ..... **MNT-L-TRKCLIP-48** ..... 48" track and clips set will work with one 48" fixture or four 12" fixtures. (FOR INTERIOR USE ONLY)
Mounting Track and Clips Set, 12 Inch Track, 2 Clips ..... **MNT-L-TRKCLIP-12** ..... 12" track will not work with 48" fixtures. (FOR INTERIOR USE ONLY)
Mounting Track Clip, TROV, Set of 2 ..... **MNT-L-CLIP** ..... Clips needed = 12" fixtures need 1 set of 2 and 48" fixture needs 2 sets of 2.
90 Degree L bracket, TROV, Set of 2 ..... **MNT-L-LBKT** ..... L-Brackets needed = 12" fixtures need 1 set of 2 and 48" fixture needs 1 set of 2.
Angle Locking Clip, TROV, Pack of 10 ..... **MNT-L-ANGLOCK** ..... Angle Locks needed = 12" fixtures need 1 and 48" fixtures need 2. (Must order separately)
Mounting, Fine Adjustment Bracket, TROV ..... **MNT-L-FAB** ..... Fine Adjustment Brackets needed = 12" fixtures need 1 and 48" fixtures need 2.
*Fine Adjustment Bracket is highly recommended for Grazing Optics.
Mounting, Fine Adjustment L-Bracket, TROV ..... **MNT-L-LFAB** ..... Fine Adjustment L-Brackets needed = 12" fixtures need 1 and 48" fixtures need 2.
*Fine Adjustment L-Bracket is recommended for Asymetric Optics when aiming is needed.

Snap-on Lenses

Snap-on Lens, Frosted, 12 inch, L50 ..... **LENS-L50-FROST-12**
Snap-on Lens, Frosted, 48 inch, L50 ..... **LENS-L50-FROST-48**
Snap-on Lens, Clear, 12 inch, L50 ..... **LENS-L50-CLEAR-12**
Snap-on Lens, Clear, 48 inch, L50 ..... **LENS-L50-CLEAR-48**

Snap-on Lenses need = One 12" lens is needed per 12" fixture and one 48" lens is needed per 48" fixture. Snap on Lenses will not work with the asymmetric fixture. Clear lenses can be used to hold colored filters to customize the output color of any TROV fixture, except the ASYM. Color filters supplied by others.

Wall Mount Arm

Wall Mount Arm, 6 inch, TROV **WMA-L-CA-06**
Wall Mount Arm, 12 inch, TROV **WMA-L-CA-12**
Wall Mount Arm, 18 inch, TROV **WMA-L-CA-18**
Wall Mount Arm, 24 inch, TROV **WMA-L-CA-24**
Wall Mount Arm End Plate Set, TROV, Includes Left and Right ..... **WMA-L-END**
Wall Mount Arm Joiner Plate, TROV ..... **WMA-L-JNR**

Wall Mount Arms needed = For individual fixture installations two arms and one end set will be needed per fixture. For continuous run installation one end set will be needed per run. Each end set contains one left and one right end plate. One joining set will be needed per joint. One arm per fixture will be needed plus one extra arm to complete the run. For example: A 10ft run made with two 4ft and two 1ft fixtures will contain; 1 x WMA-L-END, 3 x WMA-L-JNR, and 5 x WMA-L-CA-12. Leader cables are not included with wall mount arms, end sets, or joiners sets.

Louvers

Louver, Asymmetric, 12 inch, L50 ..... **LV-L50-ASYM-12**
Louver, Asymmetric, 48 inch, L50 ..... **LV-L50-ASYM-48**
Louver, Symmetric, 12 inch, L50 ..... **LV-L50-SYM-12**
Louver, Symmetric, 48 inch, L50 ..... **LV-L50-SYM-48**
Louver, Honeycomb, 12 inch, L50 ..... **LV-L50-HCOMB-12**
Louver, Honeycomb, 48 inch, L50 ..... **LV-L50-HCOMB-48**

Louvers Needed = One 12" louver is needed per 12" fixture and one 48" louver is needed per 48" fixture. 48" louver is made up of four 12" louvers.
Louvers cannot be used with the asymmetric fixture

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DATE	PROJECT	FIRM	TYPE

OPTIONAL ACCESSORIES

Masking Plates

Masking Plate, 3 inch high, 12 inch, L50 & L35 ..... MP-L50-3H-12
Masking Plate, 3 inch high, 48 inch, L50 & L35 ..... MP-L50-3H-48

Masking Plates needed = One 12" plate is needed per 12" fixture and one 48" plate is needed per 48" fixture.

Landscape Stake

Landscape Stake, 6 inch, TROV, Set of 2 ..... LS-L-STK-06
Landscape Stake, 12 inch, TROV, Set of 2 ..... LS-L-STK-12
Landscape Stake, 18 inch, TROV, Set of 2 ..... LS-L-STK-18

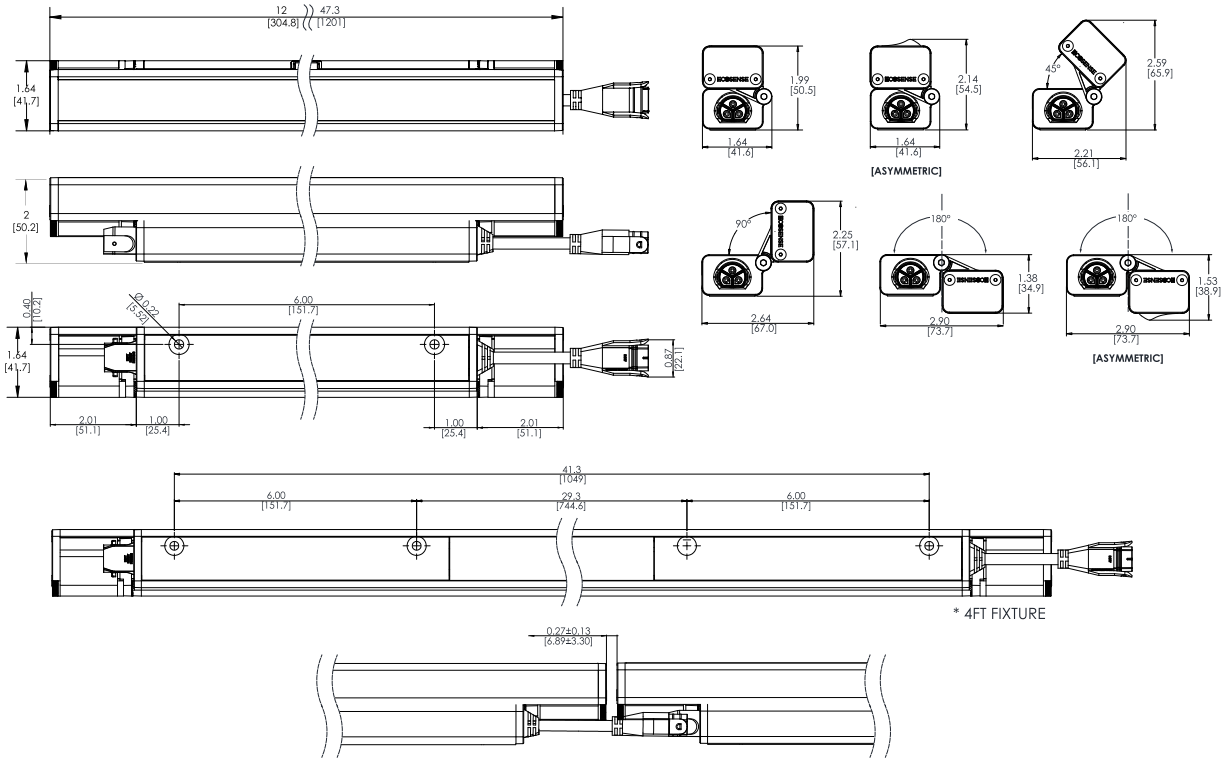
Landscape Stakes needed = 12" and 48" fixtures both need one set of 2.

Wire Box

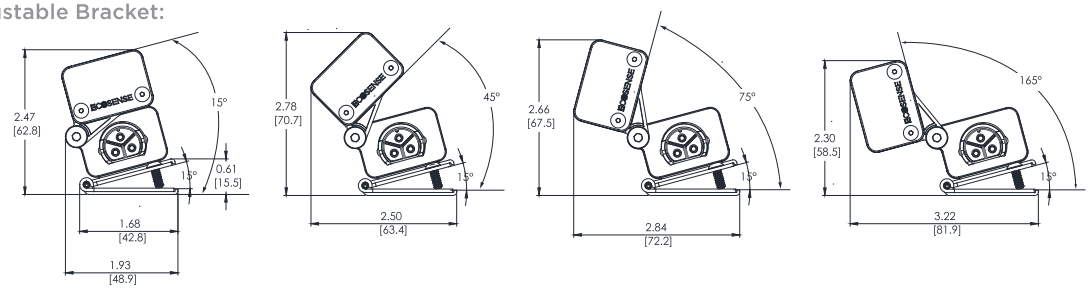
Conduit Connection, Wire Box, TROV, Interior Only, L50 .....CC-L-WIREBOX

Wire box can be used instead of a leader cable to start a run. 1/2" conduit fitting can attach directly to the box on one end and the fixture to the other.

DIMENSIONS + MOUNTING



Fine Adjustable Bracket:



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