


URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
Planning Division
Madison Municipal Building, Suite 017
215 Martin Luther King, Jr. Blvd.
P.O. Box 2985
Madison, WI 53701-2985
(608) 266-4635



FOR OFFICE USE ONLY:

Paid _____ Receipt # _____
Date received _____
Received by _____
Aldermanic District _____
Zoning District _____
Urban Design District _____
Submission reviewed by 9/26/22 
11:44 a.m.
Legistar # _____

Complete all sections of this application, including the desired meeting date and the action requested.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.

1. Project Information

Address: 322 EAST WASHINGTON AVENUE, MADISON, WI 53703

Title: ST. JOHN'S REDEVELOPMENT

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested NOVEMBER 9, 2022

- New development Alteration to an existing or previously-approved development
 Informational Initial approval Final approval

3. Project Type

- Project in an Urban Design District
 Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
 Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
 Planned Development (PD)
 General Development Plan (GDP)
 Specific Implementation Plan (SIP)
 Planned Multi-Use Site or Residential Building Complex

Signage

- Comprehensive Design Review (CDR)
 Signage Variance (i.e. modification of signage height, area, and setback)
 Signage Exception

Other

- Please specify _____

4. Applicant, Agent, and Property Owner Information

Applicant name ST. JOHN'S LUTHERAN CHURCH Company ST. JOHN'S LUTHERAN CHURCH
Street address 322 E. WASHINGTON AVE City/State/Zip MADISON, WI 53703
Telephone 608.256.2337 Email PETER.B@STJOHNSMADISON.ORG

Project contact person MARK BINKOWSKI Company MRB HOLDINGS
Street address 10 E. DOTY ST., STE 300 City/State/Zip MADISON, WI 53703
Telephone 608.235.5230 Email M.BINKOWSKI@ULI.COM

Property owner (if not applicant) (SAME AS APPLICANT)
Street address _____ City/State/Zip _____
Telephone _____ Email _____

Urban Design Commission Application (continued)

5. Required Submittal Materials

- Application Form
- Letter of Intent
 - If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
 - For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.
- Development Plans (Refer to checklist on Page 4 for plan details)
- Filing fee N/A
- Electronic Submittal*
- Notification to the District Alder
 - Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

Each submittal must include fourteen (14) 11" x 17" collated paper copies. Landscape and Lighting plans (if required) must be full-sized and legible. Please refrain from using plastic covers or spiral binding.

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. A completed application form is required for each UDC appearance.

For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be legible when reduced.

**Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to udcapplications@cityofmadison.com. The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.*

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with CITY DAT MEETING on 7/21/22 + UDC INFORMATIONAL PRESENTATION ON 12/1/21.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant St. John's Lutheran Church Relationship to property owner
 Authorizing signature of property owner  Date 25 Sept. 2022
Congregation President

7. Application Filing Fees

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than \$1,000.

Please consult the schedule below for the appropriate fee for your request:

- Urban Design Districts: \$350 (per §35.24(6) MGO).
- Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per §33.24(6)(b) MGO)
- Comprehensive Design Review: \$500 (per §31.041(3)(d)(1)(a) MGO)
- Minor Alteration to a Comprehensive Sign Plan: \$100 (per §31.041(3)(d)(1)(c) MGO)
- All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for signage variances (i.e. modifications of signage height, area, and setback), and additional sign code approvals: \$300 (per §31.041(3)(d)(2) MGO)

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex

**LETTER OF INTENT (REVISED)
ST. JOHN'S RE-DEVELOPMENT
URBAN DESIGN COMMISSION**

Madison, Wisconsin
November 4, 2022

This Letter of Intent pertains to the redevelopment of the property owned by St. John's Lutheran Church ("St. John's") located at 322 East Washington Avenue. The site contains 21,710 square feet of land area on the highly visible corner of East Washington Avenue and North Hancock Street. For over 165 years St. John's has been a welcoming presence in downtown Madison. Its property, just 3 blocks from the Capitol Square, has welcomed residents and visitors with open doors and a desire to serve those most in need.

The Church is seeking to extend its historic mission to provide a greater good and reimagine its own space for the next 100+ years. St. John's proposes to demolish its existing building to construct a new, mixed use project that would contain approximately 16,000 square feet of space for worship, social services, social ministry and vibrant community space on the ground floor. Roughly 30% of the Church's ground floor space will be set aside for its partner organizations.

Above the ground floor space, St. John's is proposing to develop 130 residential apartments across 9 floors (15 units per floor). The Church's goal in developing the apartments is to provide a significant affordable housing resource in the heart of downtown Madison. Of the 130 units, 108 (83%) will be set aside for those earning below 60% of the Area Median Income (AMI), including 26 units for those earning below 30% of AMI. St. John's is wholly committed to its mission of helping those most in need by maximizing the affordable units created on this site.

The development will be supported by two levels of underground parking with an entrance located along Hancock Street. The site is a short walk from the Capitol Square and directly between the East Mifflin Street bike corridor and the East Washington Avenue bus corridor (and future BRT route). This provides a unique opportunity to help the City achieve its goal of reducing single occupant vehicle trips. Accordingly, the project will contain approximately 65 parking stalls, or 0.5 stalls per dwelling unit.

The site is currently zoned Urban Mixed Use (UMX), which calls for high density residential development and is aligned with the aims of this redevelopment. However, MGO Section 28.071(3)(d)4 states that "for non-residential uses, the average ground story floor elevation shall not be lower than the front sidewalk elevation nor higher than (18) inches above the sidewalk elevation." The elevation at the west end of the site along East Washington Avenue is 899' and on the east end is 886'. That 13' of grade across the site means the project cannot comply with MGO Section 28.071(3)(d)4. After discussions with City Staff it was agreed that the only feasible path forward is to rezone the site to a Planned Development.

The property is located in Urban Design District 4 and will require approval from the Urban Design Commission, as well as an advisory recommendation pertaining to the rezoning to Planned Development.

This letter of intent will address how the project's plans conform to the requirements of Planned Development zoning and Urban Design District 4.

PLANNED DEVELOPMENT ZONING

St. John's is pursuing this redevelopment for two primary purposes. First, to extend its mission through the creation of a significant new supply of affordable housing on Madison's isthmus. Second, to create a new facility for its congregation, partnering organizations and the broader community. The project is not possible without accomplishing both of these aims.

The unique challenge posed by the 13' of grade difference on the site is also an opportunity. The project has been designed to create a ground floor entrance for St. John's that is located a few steps above the sidewalk in the middle of the block along East Washington Avenue, with an at grade ADA accessible entrance on the west end of the site. A second at grade entrance is located in the middle of the Hancock Street frontage, providing a separate lobby and residential entrance that is unique from St. John's. By taking advantage of the grades on the site the project is able to successfully activate two block frontages with a combination of complimentary uses.

The average grade along the East Washington Avenue sidewalk is elevation 892.3'. MGO Section 28.071(3)(d)4 allows for the ground floor to be 18" above the average, or in this case at elevation 893.8'. If the ground floor were built at that elevation it would be nearly 4'-8" *below* the sidewalk at the west end and only 7'-4" above Hancock Street. That would not allow for the necessary head height to create the residential lobby along Hancock Street. Compliance with that provision of the zoning code would make it impossible to create separate entrances for St. John's and the residential apartments, preventing the activation of both street frontages.

MGO Section 28.098(1) states that the Planned Development (PD) District is intended to facilitate the unique development of land in an integrated and innovative fashion and to allow for flexibility in site design. Furthermore, MGO Section 28.098(2)(a)1 explicitly mentions "site conditions such as steep topography" as being one of the conditions that may cause PD zoning to be appropriate.

The zoning code lists six unique objectives that a PD district is intended to achieve one or more of. The following two objectives are being explicitly addressed by the proposed project:

- (b) Promotion of integrated land uses allowing for a mixture of residential, commercial, and public facilities along corridors and in transitional areas, with enhanced pedestrian, bicycle and transit connections and amenities.
- (f) Facilitation of high-quality development that is consistent with the goals, objectives, policies, and recommendations of the Comprehensive Plan and adopted neighborhood, corridor or special area plans.

The proposed plans create two unique entrances on two different street frontages for the different uses on the site. This allows St. John's to maintain its connection to the East Washington Avenue corridor, continuing a strong presence on the site that has been its home for the past 160+ years. The residential lobby has its own entrance along Hancock Street. A shared lobby for these two disparate uses would not be feasible. Integrating these two uses on this site allows for St. John's and its partnering organizations to continue to serve the neighborhood it has long called home while providing a much needed new supply of affordable housing in an integrated manner. The proposed project is in line with the City's Comprehensive Plan and Downtown Plan, adding high density residential development with activating ground floor uses in a priority growth area along the East Washington transit corridor. The project is directly responding to the surrounding neighborhood's desire to add more affordable housing.

Planned Development Districts are required to meet nine (9) separate standards pursuant to MGO Section 28.098(2).

- (a) The proposed project is in line with UMX zoning (and is not seeking added density beyond the otherwise allowable two (2) bonus stories), with the exception of MGO Section 28.071(3)(d)4, which the steep topography of the site prevents the building from complying with.
- (b) The project facilitates the City's and neighborhood's goals as noted previously.
- (c) As an urban infill project on the isthmus the development will not burden the City's services, while significantly increasing the City's tax base since the property is currently tax exempt.
- (d) The project's location means it is feasible to build a below market parking ratio to promote alternative means of transportation. A traffic impact analysis was completed by KL Engineering that concluded "no significant traffic impacts are expected at the two study intersections or the adjacent road network because of the redevelopment."
- (e) The proposed design utilizes high quality, authentic materials and unique architectural elements that sets the building apart from much of the affordable housing that is built in Madison, while the activation of both street frontages further enhances the overall aesthetic.
- (f) The plans include outdoor terraces that comply with the open space standards for UMX zoning.
- (g) This is a single building and not a phased development, so both the Church's ground floor space and the residential apartments will be constructed concurrently.
- (h) The proposed plans are built to the allowable height of ten (10) stories, which includes the provision for two (2) bonus stories pursuant to MGO 28.071(2)(b).
- (i) The project is not proposing any changes to setback requirements.

The project was designed to comply with all requirements under current UMX zoning. However, the unique topography found on this site does not allow the building's first floor to maintain grades that are consistent with East Washington Avenue. By rezoning the property to a Planned Development the project will be able to meet its goals of creating new space for St. John's and its partnering organizations, while also creating a separate lobby and support space to unlock the opportunity to add 130 new residential units, 108 of which are affordable. By taking advantage of these grades the project is activating both street frontages and creating a building that is vastly superior to what otherwise would be created.

URBAN DESIGN DISTRICT 4

Urban Design District 4 is intended "to improve the appearance of those major transportation corridors east of the Capitol Square which constitute a major entrance to the City of Madison" and "to improve and enhance the property values in the district."

The redevelopment of St. John's will take an inefficient building from 1961 and replace it with a highly designed, mixed use project that will enhance the appearance along this important approach to the Capitol Square while substantially increasing the property values in the district. The exterior design of the building includes a prominent stone and glass façade that anchors the East Washington / North Hancock corner with a light and uplifting appearance. St. John's will maintain a connection with the street with colored or stained glass along its ground floor windows. This creates a stunning and unique element that will be a warm and welcoming feature for those approaching the Square. The fact that St. John's property is currently tax exempt means this prominent parcel is not contributing to the property values in the area. The \$40 million redevelopment will significantly increase the property value of this parcel, as well as providing a vibrant space that the surrounding neighborhood will benefit from.

The plans for the development readily meet the remaining design standards for UDD 4 as described below.

1. Public Rights of Way
 - a. The development will comply with all planting requirements of the City Forester for the rebuilt terraces. St. John’s has a long history of incorporating community gardens into its space. The Church intends to continue this through a series of planters along the East Washington façade that will be used for both vegetable gardens and seasonal plantings that will add year round green space and visual interest. These planter areas will continue around the site to maximize the amount of softscape area bordering the property.
2. Off Street Parking
 - a. All of the parking for the new development will be located in a fully enclosed underground garage. The access to the parking will be through an overhead garage door that has been integrated into the brick façade along Hancock Street in a way that is intentional and diminishes its visual impact.
3. Signs
 - a. A separate, fully detailed sign package will be submitted for approval at the time those details are completed. All of the signage will be professionally designed in a way that integrates the signage into the overall design of the project, focusing on maintaining the qualities of warmth and authentic materials used on the building.
4. Building Design
 - a. In coming up with the design for the new building the Church emphasized the need to respect its history on the site by utilizing materials that are both warm and enduring. The exterior consists primarily of a brick façade that utilizes detailing and subtle changes in the orientation of the brick to add visual interest. The façade then changes at the corner to a window wall that is framed with an articulated stone or precast material. This change makes the whole building feel lighter and uplifting while helping to break down the overall scale of the project. This combination of natural materials and large windows creates a harmonious balance that integrates with the surrounding buildings that consist of brick and stone. The rooftop mechanicals are consolidated in the middle of the roof away from the facades and fully screened with a compatible material.
5. Lighting
 - a. Exterior lighting on the building has been kept to a minimum and is primarily intended to emphasize the building’s entrances, while also providing for adequate safety and to create a walkable urban environment. The colored glass used at the corner of St. John’s first floor space will create an incredible warmth in the evening as the light inside the space brings a soft glow that projects outward.
6. Landscaping
 - a. As previously mentioned, the project calls for extensive planters around the facades to soften the edges of the development. St. John’s will utilize many of these planters for vegetable gardens and community gardens that promote interaction between the neighbors and the site. By continuously changing these plantings throughout the year the property is utilizing landscaping in a way that provides visual interest all year.

A well designed, high density residential infill development with an inviting, community focused space on the ground floor is in line with the City’s Comprehensive Plan and Downtown Plan. Careful attention has been paid to the design to comply with the design criteria of Urban Design District 4. The St. John’s redevelopment will be a model for what high quality affordable housing can look like on Madison’s isthmus.

St. Johns Lutheran Church

332 East Washington Avenue

Madison, WI

2021.09.00

09/26/2022 - LAND USE & UDC APPLICATION

Potter Lawson
749 University Row Suite 300
Madison, WI 53705
608-274-2741

Drawing Index

C = Issued for Construction
B = Issued for Bidding
R = Issued for Reference Only

DWG #	DRAWING TITLE
GENERAL	
CD01	COVER DRAWING
GENERAL	
--	SURVEY
G100	LOCATOR MAP, EXISTING CONTEXT & DEMO PHOTOS
CIVIL	
C100	SITE PLAN
C200	GRADING PLAN
C300	UTILITY PLAN
C400	FIRE APPARATUS PLAN
LANDSCAPE	
L100	GROUND LEVEL & 1ST FLOOR SITE FURNISHING LAYOUT PLAN
L101	2ND FLOOR & ROOF SITE FURNISHING LAYOUT PLANS
L200	GROUND LEVEL & 1ST FLOOR PLANTING PLAN
L201	2ND FLOOR & ROOF PLANTING PLANS
ARCHITECTURAL	
A101	PARKING LEVEL TWO PLAN
A102	PARKING LEVEL ONE PLAN
A103	LOWER LEVEL PLAN
A104	FIRST FLOOR PLAN
A105	SECOND FLOOR PLAN
A106	THIRD FLOOR PLAN
A107	FOURTH FLOOR PLAN
A108	FIFTH FLOOR PLAN
A109	SIXTH FLOOR PLAN
A110	SEVENTH FLOOR PLAN
A111	EIGHTH FLOOR PLAN
A112	NINTH FLOOR PLAN
A113	TENTH FLOOR PLAN
A114	ROOF PLAN
A250	BUILDING ELEVATIONS
A251	BUILDING ELEVATIONS
A260	PERSPECTIVES
A261	PERSPECTIVES
A262	PERSPECTIVES
A270	BUILDING MATERIALS
A271	SHADOW STUDY
LIGHTING	
LD100	COVER SHEET
LD101	LOWER LEVEL LIGHTING PLAN
LD102	FIRST FLOOR LIGHTING PLAN
LD103	SECOND FLOOR LIGHTING PLAN
LD104	TENTH FLOOR LIGHTING PLAN
LD105	LIGHTING BUILDING FACADE
LD106	LIGHTING SCHEDULE



PRELIMINARY
NOT FOR CONSTRUCTION

St. Johns Lutheran Church

332 East Washington Avenue
Madison, WI

2021.09.00

DATE ISSUANCE/REVISIONS
09/26/2022 LAND USE & UDC APPLICATION

PROJECT INFORMATION

PROPOSED USES:
1ST FLOOR WORSHIP, OFFICE / BUSINESS
2ND - 10TH FLOORS MULTI-FAMILY RESIDENTIAL

CURRENT ZONING: UMX - URBAN MIXED USE
PROPOSED ZONING: UMX - URBAN MIXED USE
URBAN DESIGN DIST: UDD4

SETBACKS:
FRONTYARD: 5' - EAST WASHINGTON AVENUE
SIDEYARD: 5' - NORTH HANCOCK
15' - WEST SIDE
REAR YARD: 10'

BUILDING HEIGHT
ALLOWED: 8 STORIES + 2 ADDITIONAL (CONDITIONAL USE)
10 STORIES
PROPOSED: 1 STORY - MIXED USE (WORSHIP & OFFICE)
9 STORIES - RESIDENTIAL
2 STORIES - PARKING (BELOW GRADE)

BUILDING FOOTPRINT: 16,848SF

SITE AREA: .498 ACRES OR 21,710SF
LOT COVERAGE: SEE SITE PLAN
USABLE AREA
REQUIRED: 10SF / BEDROOM (10*166 = 1,660SF)

PROVIDED:
1ST FLOOR / AT GRADE 1,300SF
2ND FLR GREEN ROOF 600SF
UNIT BALCONIES, PATIOS 2,400SF
PROVIDED TOTAL 4,300SF

UNIT COUNT	EFF.	1 BD	2BD	3BD	TOTAL
2ND FLOOR	4	6	2	1	13
3RD-9TH FLRS	5	6	4	0	15
10TH FLOOR	3	5	4	0	12
UNIT TOTALS	42	53	34	1	130
BED TOTALS	42	53	68	3	166

PARKING COUNT	
STANDARD (8'-0" x 17'-0")	49
STANDARD EV INSTALLED	2 (3.2%)
COMPACT	8 (12.75%)
CAR ACCESSIBLE	3
VAN ACCESSIBLE	1
TOTAL	63

BIKE STALLS:		REQUIRED	PROVIDED
RESIDENTIAL LONG TERM (65 Floor / 66 Wall Mounted)	131	131	Interior - Parking levels
RESIDENTIAL VISITOR	13	13	Exterior - on site
WORSHIP (1/50 SEATS)	4	4	Exterior - on site
OFFICE (1/2,000st)	3	3	Exterior - on site
TOTAL	151	151	

COVER DRAWING

CD01

EXISTING CONDITIONS SURVEY

BEING ALL OF LOTS 5 AND 6 AND THE EASTERLY 32 FEET OF LOT 7, BLOCK 112, ORIGINAL PLAT OF THE CITY OF MADISON, CITY OF MADISON, DANE COUNTY, WISCONSIN.



VICINITY MAP
NOT TO SCALE

LEGEND

- GOVERNMENT CORNER
- MAG NAIL FOUND
- 3/4" REBAR FOUND
- SANITARY MANHOLE
- WATER MANHOLE
- HYDRANT
- WATER VALVE
- STORM SEWER ACCESS
- GAS REGULATOR/METER
- GAS VALVE
- MANHOLE - UNVERIFIED TYPE
- LIGHT POLE
- POWER POLE W/GUY
- VAULT
- CABLE PEDESTAL
- DECIDUOUS TREE
- SECTION LINE
- PARCEL BOUNDARY
- RIGHT-OF-WAY LINE
- PLATTED LOT LINE
- EASEMENT LINE
- CONCRETE CURB & GUTTER
- SANITARY SEWER
- WATER LINE
- STORM SEWER
- NATURAL GAS
- OVERHEAD LINE
- UNDERGROUND ELECTRIC
- BUILDING
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- PAVEMENT STRIPING
- END OF FLAGGED UTILITIES

NOTES

- FIELD WORK PERFORMED BY MAYO CORPORATION IN 2005 AND SUPPLEMENTED BY JSD PROFESSIONAL SERVICES, INC. ON JULY 28, 2021.
- BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY, THE WEST LINE IF THE SOUTHWEST QUARTER OF SECTION 13-07-09, RECORDED AS N0110'39"E.
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- CONTOUR INTERVAL IS ONE FOOT.
- SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGERS' HOTLINE TICKET No.'s 20212810356 AND 20212810408, WITH A START DATE OF JULY 12, 2021.
- UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE:
CITY OF MADISON ENGINEERING
MADISON GAS AND ELECTRIC COMPANY (MG&E) (ELECTRIC AND GAS)
CHARTER COMMUNICATIONS
AMERICAN TRANSMISSION
LEVEL 3 IS NOW CENTURYLINK
TDS TELECOM-MIDDLETON
MCI
AT&T DISTRIBUTION
STATE OF WISCONSIN DIVISION OF FACILITIES MANAGEMENT
WISCONSIN DEPARTMENT OF ADMINISTRATION-DIVISION OF ENTERPRISE TECHNOLOGY
- BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.

LEGAL DESCRIPTION

BEING ALL OF LOTS 5 AND 6 AND THE EASTERLY 32 FEET OF LOT 7, BLOCK 112, ORIGINAL PLAT OF THE CITY OF MADISON, CITY OF MADISON, DANE COUNTY, WISCONSIN.

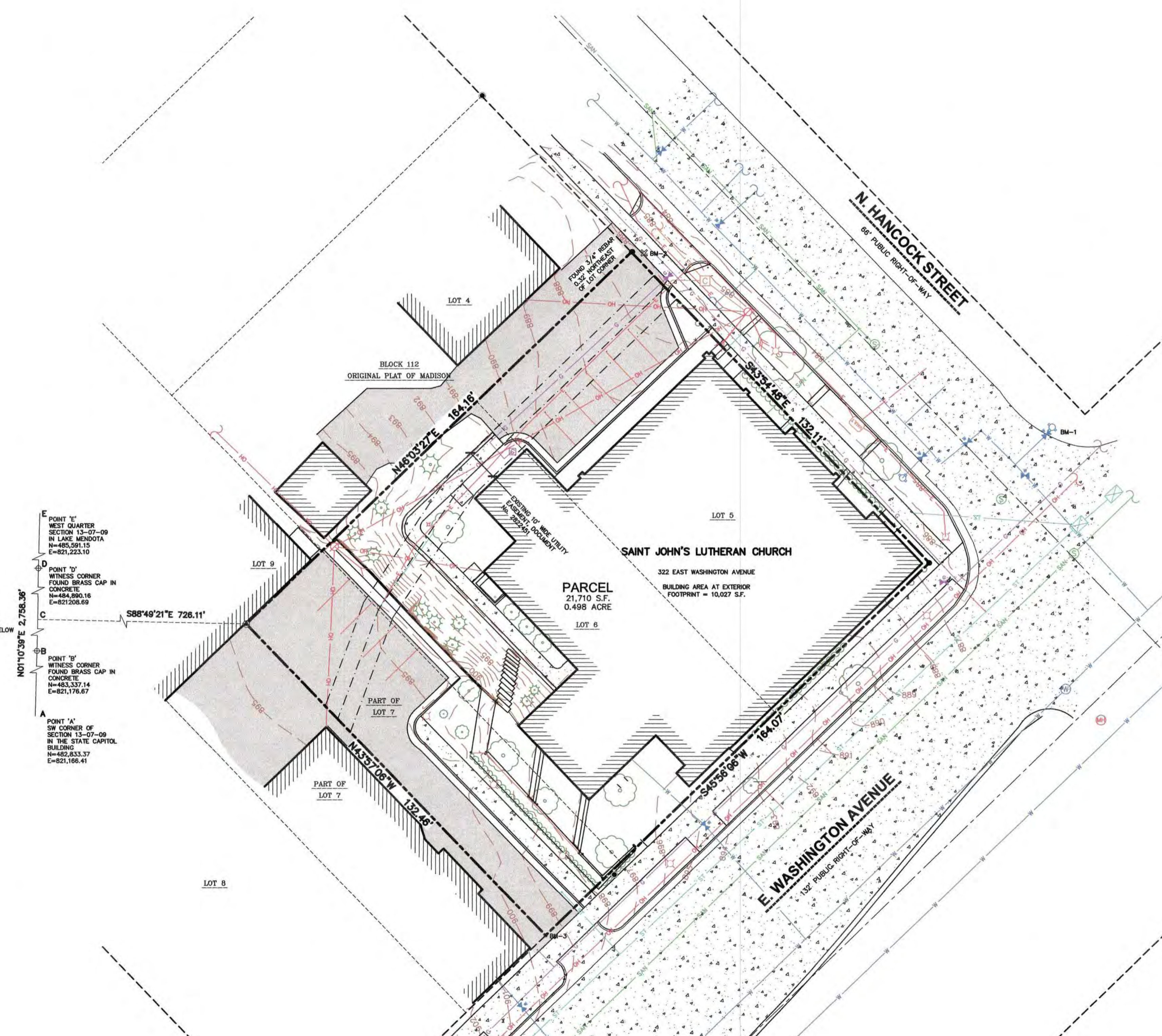
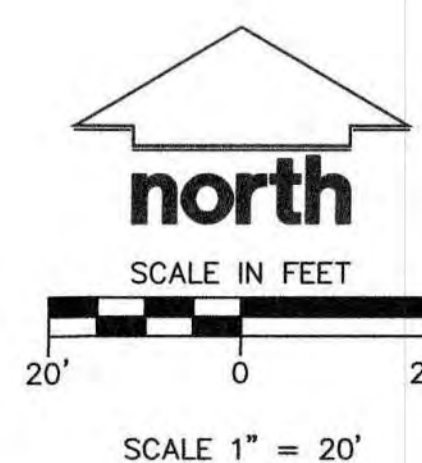
TAX KEY NO: 251/0709-133-2411-0

SURVEYOR'S CERTIFICATE

I, JOHN KREBS, WISCONSIN PROFESSIONAL LAND SURVEYOR NO. S-1878, HEREBY CERTIFY THAT UNDER THE DIRECTION OF ST. JOHN'S LUTHERAN CHURCH THIS EXISTING CONDITIONS SURVEY AND MAP HAS BEEN PREPARED AND COMPLIES WITH WISCONSIN ADMINISTRATIVE CODE A-E7 AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE INFORMATION PROVIDED.

John Krebs
JOHN KREBS, S-1878
PROFESSIONAL LAND SURVEYOR

8/4/22
DATE



LINE	BEARING	DISTANCE
A-B	N 01°10'00" E	503.87'
B-D	N 01°10'52" E	1,553.35'
B-C	N 01°10'52" E	502.34'
D-E	N 01°10'39" E	701.14'

BENCH MARK	ELEVATION	DESCRIPTION
BM-1	884.91	BURY BOLT ON HYDRANT, NORTHERLY CORNER OF E. WASHINGTON AVE. AND N. HANCOCK ST.
BM-2	886.09	CUT CROSS NEAR NORTH CORNER OF SITE
BM-3	899.64	M.A.G. NAIL AT SOUTH CORNER OF SITE

*JSD DOES NOT GUARANTEE THAT THE BENCHMARK ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.



CREATE THE VISION TELL THE STORY

MADISON | MILWAUKEE
KENOSHA | APPLETON | WAUSAU

MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
ST. JOHN'S LUTHERAN CHURCH

CLIENT ADDRESS:
**322 E. WASHINGTON AVENUE
MADISON, WI 53703**

DIGGERS HOTLINE
Toll Free (800) 242-8511

PROJECT:
ST. JOHN'S LUTHERAN CHURCH

PROJECT LOCATION:
**CITY OF MADISON
DANE COUNTY, WISCONSIN**

#	Date	Description
1		
2		
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12		
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14		
15		

Design/Drawn: **JK 08/03/22**
Approved: **TJB 08/03/22**

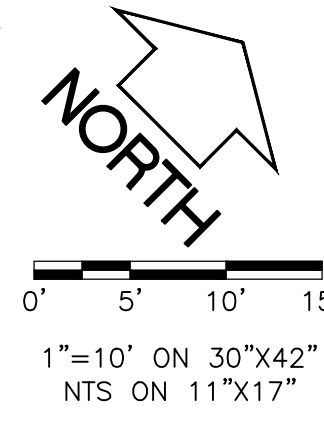
SHEET TITLE:
EXISTING CONDITIONS SURVEY

SHEET NUMBER:
1 OF 1

JSD PROJECT NO: 21-10499

LEGEND (PROPOSED)

- PROPOSED PROPERTY BOUNDARY
- - - EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- STORMWATER TREATMENT FACILITY



GENERAL NOTES

1. UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS PROVIDED TO WYSER ENGINEERING. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
2. THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
3. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND.
4. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
5. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
6. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND CITY ISSUED PUBLIC IMPROVEMENT PLANS. NO WORK IS ALLOWED UNTIL A PRE-CONSTRUCTION MEETING IS HELD A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES BEGINNING.

SITE INFORMATION BLOCK:

SITE ADDRESS: 322 E. WASHINGTON STREET
 SITE ACREAGE: 21,710 SQ. FT. (0.498 AC)
 USE OF PROPERTY: INSTITUTIONAL / RESIDENTIAL
 ZONING: URBAN MIXED USE (UMX)

SETBACKS:

FRONT YARD (E. WASHINGTON AND N. HANCOCK): 5- FEET MIN.
 10- FEET MAX.
 SIDE YARD (PLAN NORTH): 0- FEET MIN. OR 5- FEET
 REAR YARD (PLAN WEST): 10- FEET EXCEPT FOR BURIED UNDERGROUND PARKING

NUMBER OF BEDROOMS: TBD
 WORSHIP SPACE SEATING: TBD

10 SQ. FT. OF OPEN SPACE PER BEDROOM

TOTAL NUMBER OF PARKING STALLS: 63 - ALL UNDERGROUND

NUMBER OF STALLS DESIGNATED ACCESSIBLE: 4

NUMBER OF STALLS DESIGNATED AS EV: 2

TOTAL NUMBER OF BIKE STALLS: 151

UNDERGROUND: 131

SURFACE: 20

EXISTING IMPERVIOUS SURFACE AREA: 18,304 SQ. FT.

ROOFTOP: 10,027 SQ. FT.

PAVED: 8,277 SQ. FT.

NEW IMPERVIOUS SURFACE AREA: 20,102 SQ. FT.

ROOFTOP: 16,291 SQ. FT.

GREEN ROOF: 8,400 SQ. FT.

PAVED: 3,811 SQ. FT.

DISTURBANCE LIMITS: 21,710 SQ. FT.

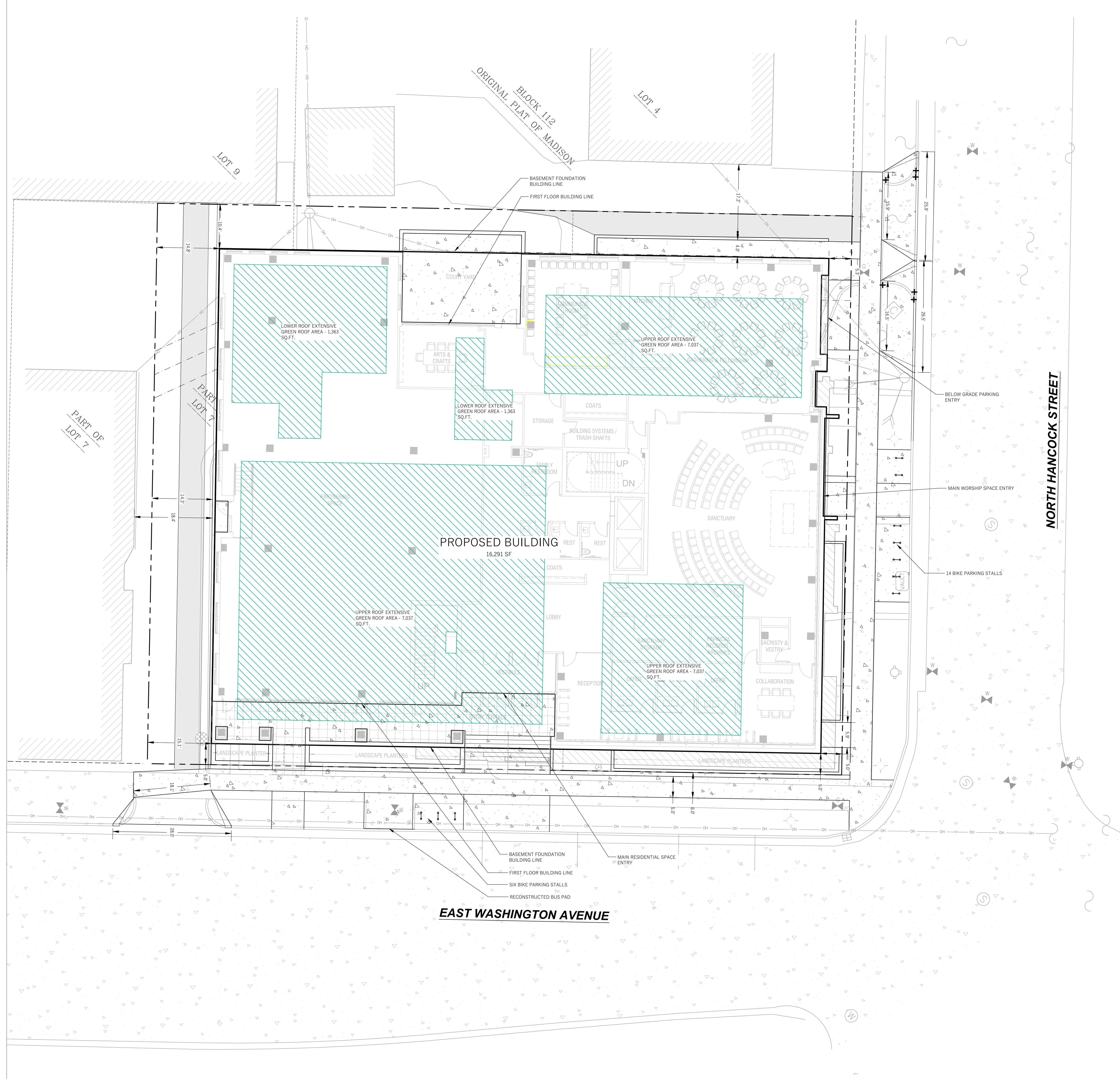
IMPERVIOUS SURFACE AREA WITHIN DISTURBANCE LIMITS / LOT: 20,102 SQ. FT.

PERCENT IMPERVIOUS WITHIN DISTURBANCE LIMITS / LOT: 92.6%

MAXIMUM LOT COVERAGE: 90% (EXCLUDING PERVIOUS PAVERS / GREEN ROOFS / DECKS)

ZONING IMPERVIOUS AREA: TBD SQ. FT.

LOT COVERAGE: TBD%



PRELIMINARY
 NOT FOR CONSTRUCTION

St. Johns Lutheran Church

332 East Washington Avenue
 Madison, WI

2021.09.00

Date	Issuance/Revisions	Symbol
09/26/2022	LAND USE & UDC APPLICATION	

SITE PLAN



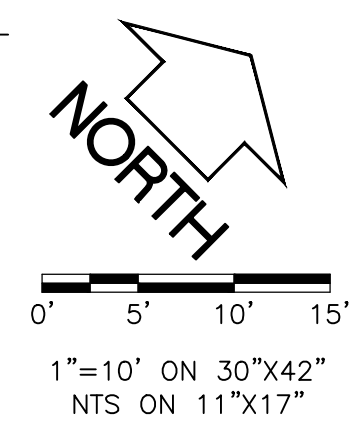
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NOTE:
 SPOT GRADES ARE AS FOLLOWS:
 FFE - FINISHED FLOOR GRADE
 EP - EDGE OF ASPHALT PAVEMENT
 EC - EDGE OF CONCRETE PAVEMENT
 BC - BACK OF CURB
 SW - EDGE OF SIDEWALK
 FG - FINISH GRADE
 TW - FINISH GRADE ADJACENT TOP OF WALL
 BW - FINISH GRADE ADJACENT BOTTOM OF WALL (NOT FOOTINGS)

LEGEND (PROPOSED)

- PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- 1180--- PROPOSED MAJOR CONTOUR
- 1181--- PROPOSED MINOR CONTOUR
- STM --- PROPOSED STORM SEWER
- SILT FENCE
- INLET PROTECTION
- DITCH CHECK
- SPOT GRADE
- DRAINAGE GRADE BREAK
- DRAINAGE ARROW

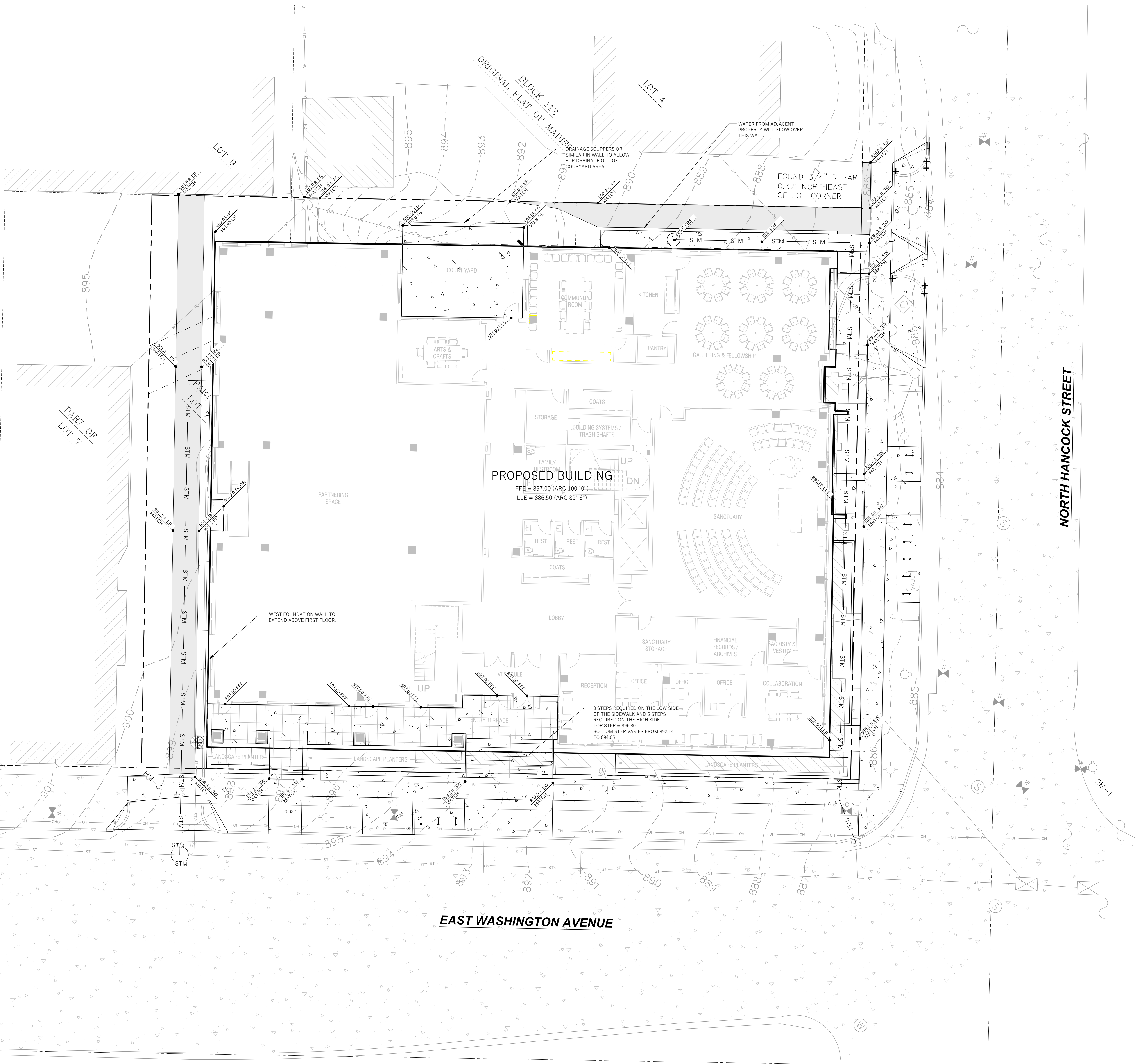


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3. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S L&D.
4. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
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CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

1. POST WDRM CERTIFICATE OF PERMIT COVERAGE AND MUNICIPAL EROSION CONTROL PERMITS ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED. THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDRM.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. ENGINEER / CITY OF MADISON HAS THE RIGHT TO REQUIRE CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR MUST NOTIFY THE CITY OF MADISON BUILDING INSPECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBANCE ACTIVITIES.
4. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDRM AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
5. THE SITE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON SITE AND MAKE THEM AVAILABLE UPON REQUEST.
6. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
7. WHERE POSSIBLE, PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATER). MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
8. REFER TO THE WDRM STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT <http://www3.madison.gov/cpsds/pubs/constructionstandards.pdf>.
9. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCES PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDRM TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCES.
10. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDRM TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060 AND DANE COUNTY REQUIREMENTS FOR FRAMED INLET PROTECTION.
11. CONTRACTOR TO PROVIDE SOLID LID OR METAL PLATE ON ALL OPEN MANHOLES DURING CONSTRUCTION TO MINIMIZE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
12. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDRM TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
13. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO DNR WASTEWATER DISCHARGE PERMIT AND A DNR-HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 75 GPM OR MORE.
14. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDRM TECHNICAL STANDARD DE-WATERING #1061.
15. INSTALL AND MAINTAIN SILT FENCING PER WDRM TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
16. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDRM TECHNICAL STANDARD DITCH CHECKS #1062.
17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDRM TECHNICAL STANDARD INTERM MANUFACTURED PERIMETER CONTROLS AND SLOPE INTERCEPTION PRODUCTS # 1071.
18. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL. IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
19. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15, STABILIZE WITH MULCH, TACKLER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL GRASS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER, STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
21. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE AUTHORITIES WITH JURISDICTION. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDRM TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
23. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
24. COORDINATE WITH THE AUTHORITIES WITH JURISDICTION TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULLED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTH BARRIERS).
25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS 1 TYPE B EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDRM TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS II TYPE B EROSION CONTROL MATTING UNLESS OTHERWISE SPECIFIED ON THE PLAN. INSTALL AND MAINTAIN PER WDRM TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
27. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDRM REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INVESTIGATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDRM'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT <http://www3.madison.gov/brrts>.
29. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 853-F-11-006: <https://www3.madison.gov/cpsds/pubs/constructionstandards.pdf>. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.



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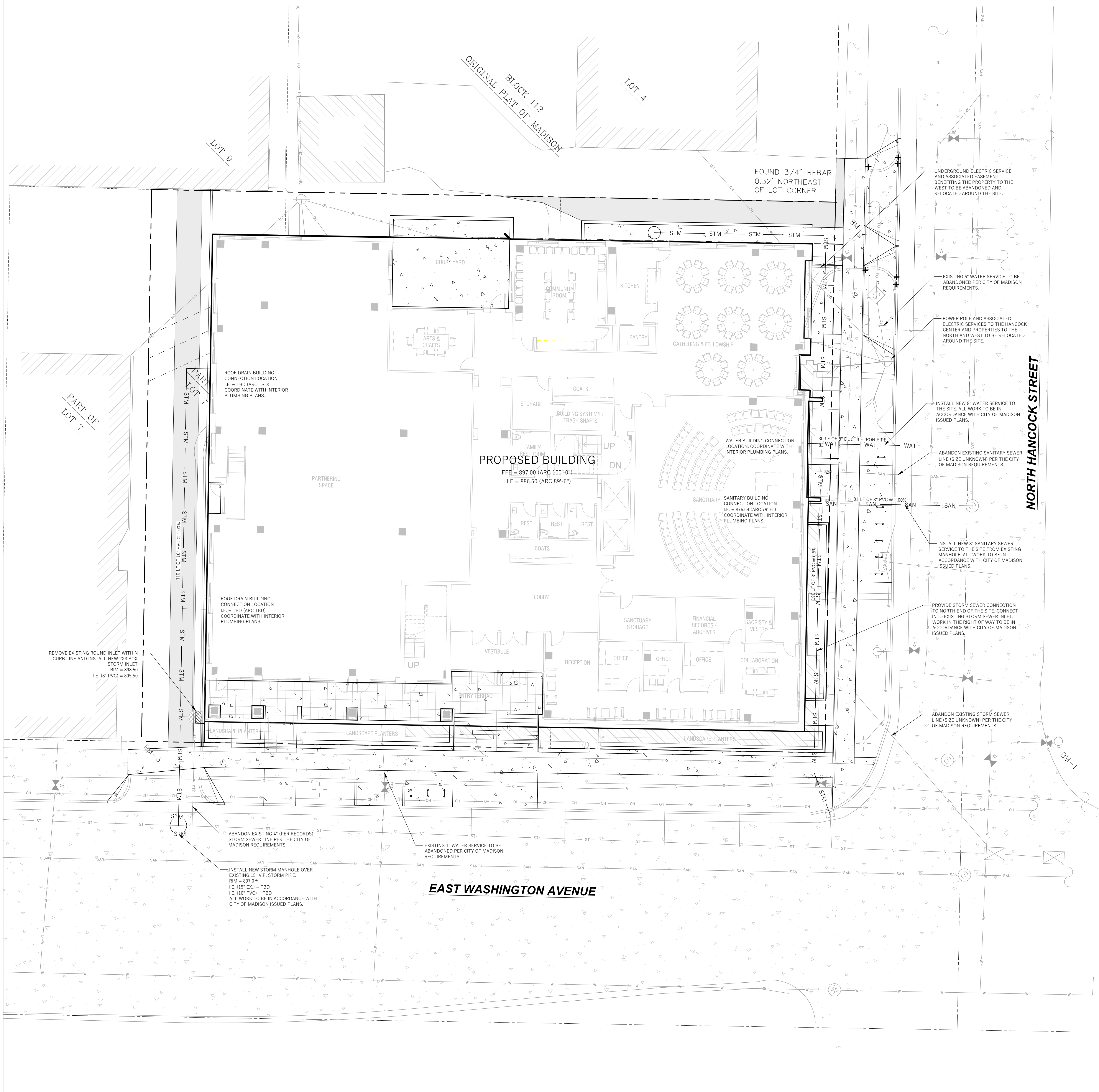
GRADING PLAN



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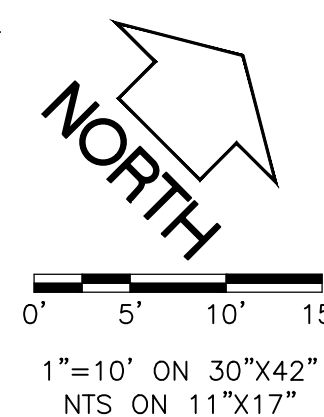
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LEGEND (PROPOSED)

- PROPOSED PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- WAT --- PROPOSED WATER MAIN
- SAN --- PROPOSED SANITARY SEWER
- STM --- PROPOSED STORM SEWER
- GAS --- PROPOSED GAS SERVICE (DESIGN BY OTHERS)
- E --- PROPOSED ELECTRIC SERVICE (DESIGN BY OTHERS)
- STORMWATER TREATMENT FACILITY



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UTILITY NOTES

1. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
2. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS, AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS.
4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND WISDOT, WISDRPS, AND WDNR.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
 - VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
 - NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED. IF REQUIRED, ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
10. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE. NO BLASTING IS ALLOWED WITHIN 30 FEET OF EXISTING UTILITIES.
11. ALL PRIVATE INTERCEPTOR WATER MAIN AND WATER SERVICES SHALL BE INSTALLED WITH A 6" MINIMUM BURY. PROVIDE INSULATION ABOVE PIPES WITH LESS THAN 5' OF GROUND COVER.
12. GRANULAR BACKFILL MATERIALS ARE REQUIRED IN ALL UTILITY TRENCHES UNDER SIDEWALKS AND PROPOSED PAVED AREAS UNLESS OTHERWISE SPECIFIED BY A GEOTECHNICAL ENGINEER. ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED PER SPECIFICATIONS. ALL PAVEMENT PATCHING SHALL COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ADDITIONAL PAVEMENT MILLING AND OVERLAY MAY BE REQUIRED BY PERMIT AND BY THE CITY INSPECTION DEPARTMENT.
13. CONTRACTOR SHALL NOTIFY THE MUNICIPAL PUBLIC WORKS DEPARTMENT TO SCHEDULE A PRECONSTRUCTION MEETING A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
14. ALL NON-METALLIC BUILDING SEWER AND WATER SERVICES MUST BE ACCOMPANIED BY MEANS OF LOCATING UNDERGROUND PIPES. TRACER WIRE VALVE BOXES SHALL BE INSTALLED ON ALL LATERALS AND AS INDICATED ON THESE PLANS.
15. ALL EXTERIOR CLEANOUTS SHALL BE PROVIDED WITH A FROST SLEEVE IN ACCORDANCE WITH SPS 382.3415(a)(b) AND SPS 384.3922(c).
16. ALL PRIVATE PLUMBING MATERIALS SHALL CONFORM TO SPS 384.30.
17. ALL PRIVATE PIPE JOINTS SHALL BE INSTALLED PER SPS 384.40.
18. ALL PRIVATE WATER PIPE, INCLUDING DEPTH AND SERRATION REQUIREMENTS, SHALL BE IN ACCORDANCE WITH SPS 382.40(8).
19. THE CONTRACTOR SHALL ALLOW 10 WORKING DAYS FOR THE CONSTRUCTION OF GAS MAINS WHEN SCHEDULING THE WORK AND SHALL NOT RESTRICT ACCESS TO THE GAS MAIN CONTRACTOR OR OTHER UTILITY COMPANIES.
20. CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTIONS WITH THE BUILDING PRIOR TO CONSTRUCTION.
21. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO BE IN CONFORMANCE WITH THE CITY EROSION CONTROL AND STORMWATER ORDINANCE AT ALL TIMES.



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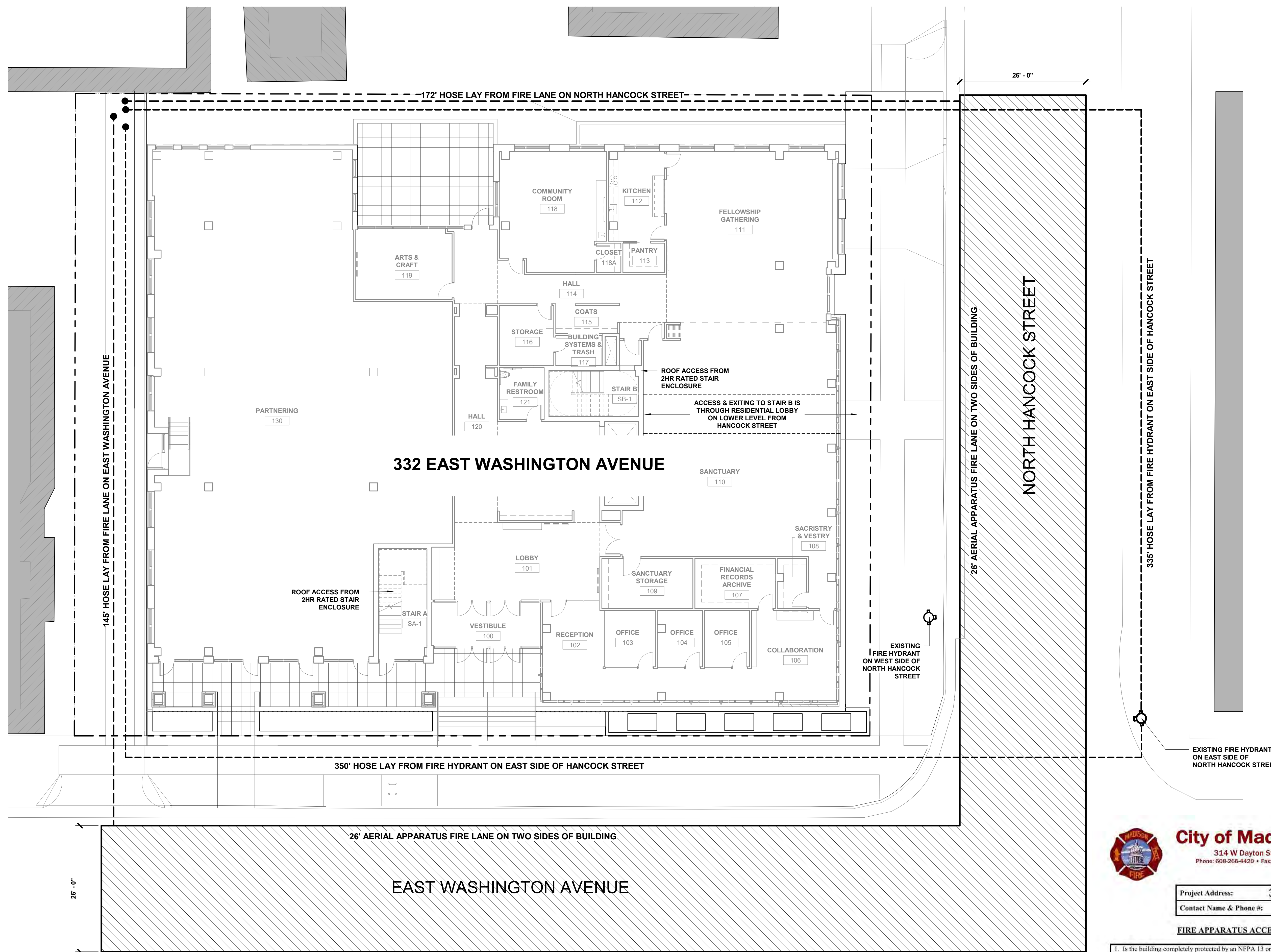
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UTILITY PLAN



C300



1
C400
FIRE APPARATUS PLAN
1" = 10'-0"



City of Madison Fire Department
314 W Dayton Street, Madison, WI 53703-2506
Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: fire@cityofmadison.com

Project Address: 332 East Washington Avenue
Contact Name & Phone #:

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If non-sprinklered, fire lanes extend to within 150-feet of all portions of the exterior wall?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
a) Is the fire lane a minimum unobstructed width of at least 20-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is the fire lane unobstructed with a vertical clearance of at least 13'-6-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
c) Is the minimum inside turning radius of the fire lane at least 28-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
d) Is the grade of the fire lane not more than a slope of 8%?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
e) Is the fire lane posted as fire lane? (Provide detail of signage.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
3. Is the fire lane obstructed by security gates or barricades? If yes:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
a) Is the gate a minimum of 20-foot clear opening?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, does the area for turning around fire apparatus comply with IFC D103.7?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, see IFC 1306.6 for further requirements.			
6. Is any part of the building greater than 30-feet above the grade plane?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, answer the following questions:			
a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
c) Are there any overhead power or utility lines located across the aerial apparatus fire lane?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.			
a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is there at least 40' between a hydrant and the building?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
d) Are hydrants located in parking lot islands a minimum of 3'-6" from the hydrant to the curb?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1 1/2'-feet, within 5-feet of a fire hydrant?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.			

Attach an additional sheet if further explanation is required for any answers.
This worksheet is based on MGO 34.503 and IFC 2015 Edition Chapter 5 and Appendix D; please see the codes for further information.

Notes:

PRELIMINARY
NOT FOR CONSTRUCTION

St. Johns Lutheran Church
332 East Washington Avenue
Madison, WI

2021.09.00


DATE: 09/28/2022
ISSUANCE/REVISIONS: LAND USE & UDC APPLICATION

**FIRE APPARATUS
PLAN**

C400

2 GROUND LEVEL & 1ST FLOOR SITE FURNISHING SCHEDULE

HARDSCAPE & SITE FURNISHINGS SCHEDULE

-  PROPERTY LINE
-  CONCRETE UNIT PAVERS ON PEDESTAL
-  BICYCLE RACK
-  UX BIKE RACK
SURFACE MOUNT
POWDER COAT FINISH- PLATINUM
AVAILABLE FROM MADRAX: 608.849.1080
-  MOVEABLE TABLES & CHAIRS
-  LOUNGE FURNITURE
-  OUTDOOR DINING
-  OUTDOOR FIRE TABLE WITH PLUMBED GAS LINE & EMERGENCY SHUT OFF

NOTES:

1. ALL PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY WILL REQUIRE A DEVELOPERS AGREEMENT AND WILL BE COORDINATED WITH CITY ENGINEERING, TRAFFIC ENGINEERING, FORESTRY, AND OTHER CITY DEPARTMENTS AS REQUIRED.
2. BICYCLE STALLS SHALL BE A MINIMUM OF 2'-0" BY 8'-0". PLACEMENT SHALL NOT RESULT IN THE OBSTRUCTION OF A WALKWAY.
3. BICYCLE RACKS SHALL BE SPACED 4'-0" APART AS INDICATED.

3 GROUND LEVEL & 1ST FLOOR SITE FURNISHINGS



MOVEABLE / MODULAR PLANTERS WITH BUILT-IN BENCH SEATING



MOVEABLE TABLES & CHAIRS



RAISED WOODEN GARDEN BEDS

PRELIMINARY
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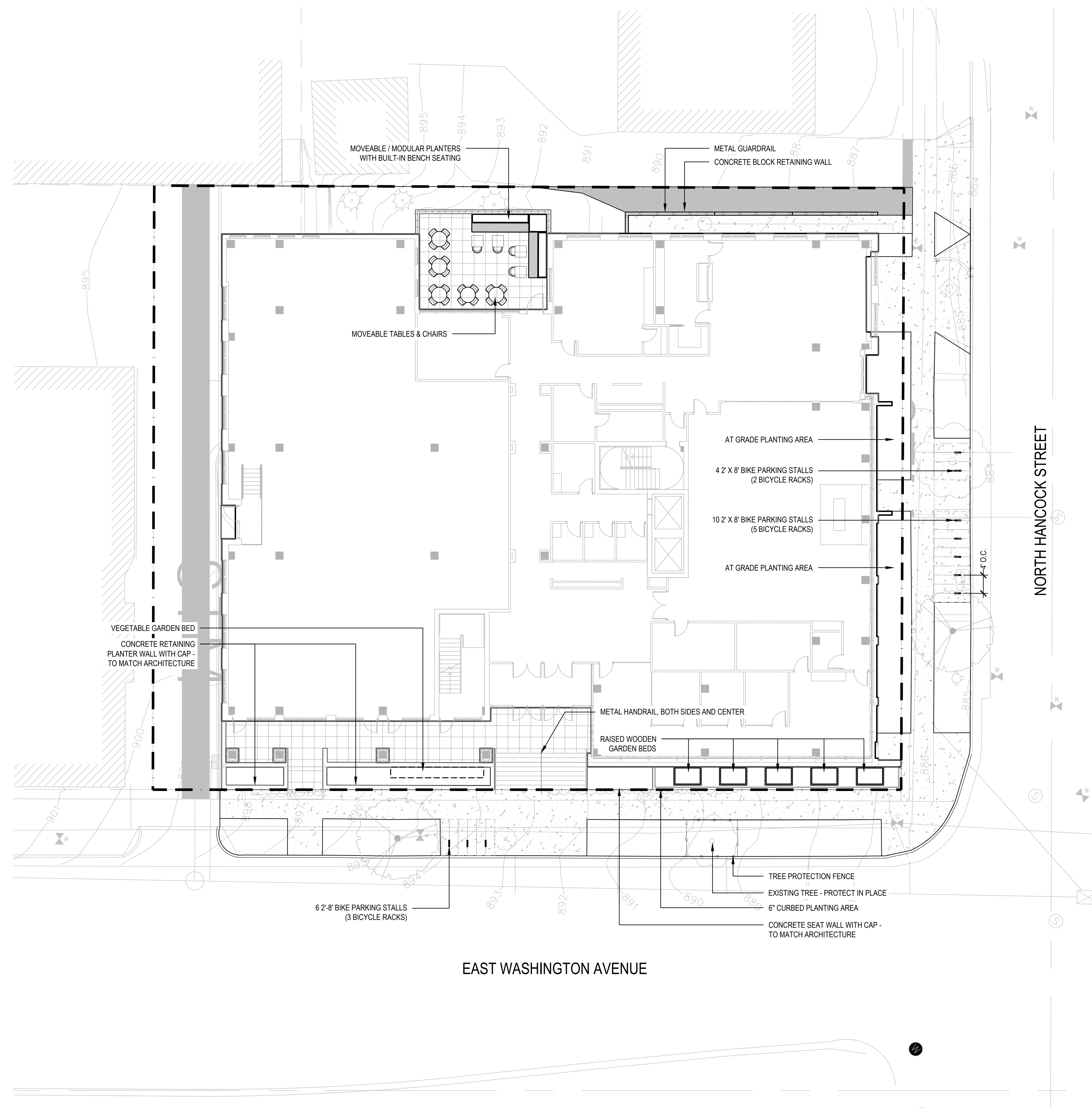
St. Johns Lutheran Church
332 East Washington Avenue
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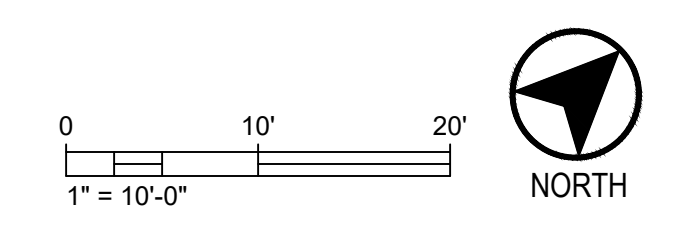
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09/26/2022	LAND USE & UDC APPLICATION	

GROUND LEVEL & 1ST FLOOR SITE FURNISHING LAYOUT PLAN

L100



1 GROUND LEVEL & 1ST FLOOR SITE FURNISHING LAYOUT PLAN
SCALE: 1" = 10'-0"



PRELIMINARY
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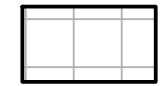
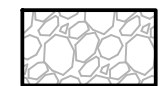
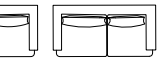


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**2ND FLOOR & ROOF
SITE FURNISHING
LAYOUT PLANS**

L101

2 2ND FLOOR SITE FURNISHING SCHEDULE

- HARDSCAPE & SITE FURNISHINGS SCHEDULE**
-  CONCRETE UNIT PAVERS ON PEDESTAL
 -  STONE MULCH BALLAST
 -  LOUNGE FURNITURE
 -  OUTDOOR DINING
 -  OUTDOOR FIRE TABLE WITH PLUMBED GAS LINE & EMERGENCY SHUT OFF

3 2ND FLOOR SITE FURNISHINGS



GREEN ROOF OUTDOOR RESIDENTIAL TERRACE

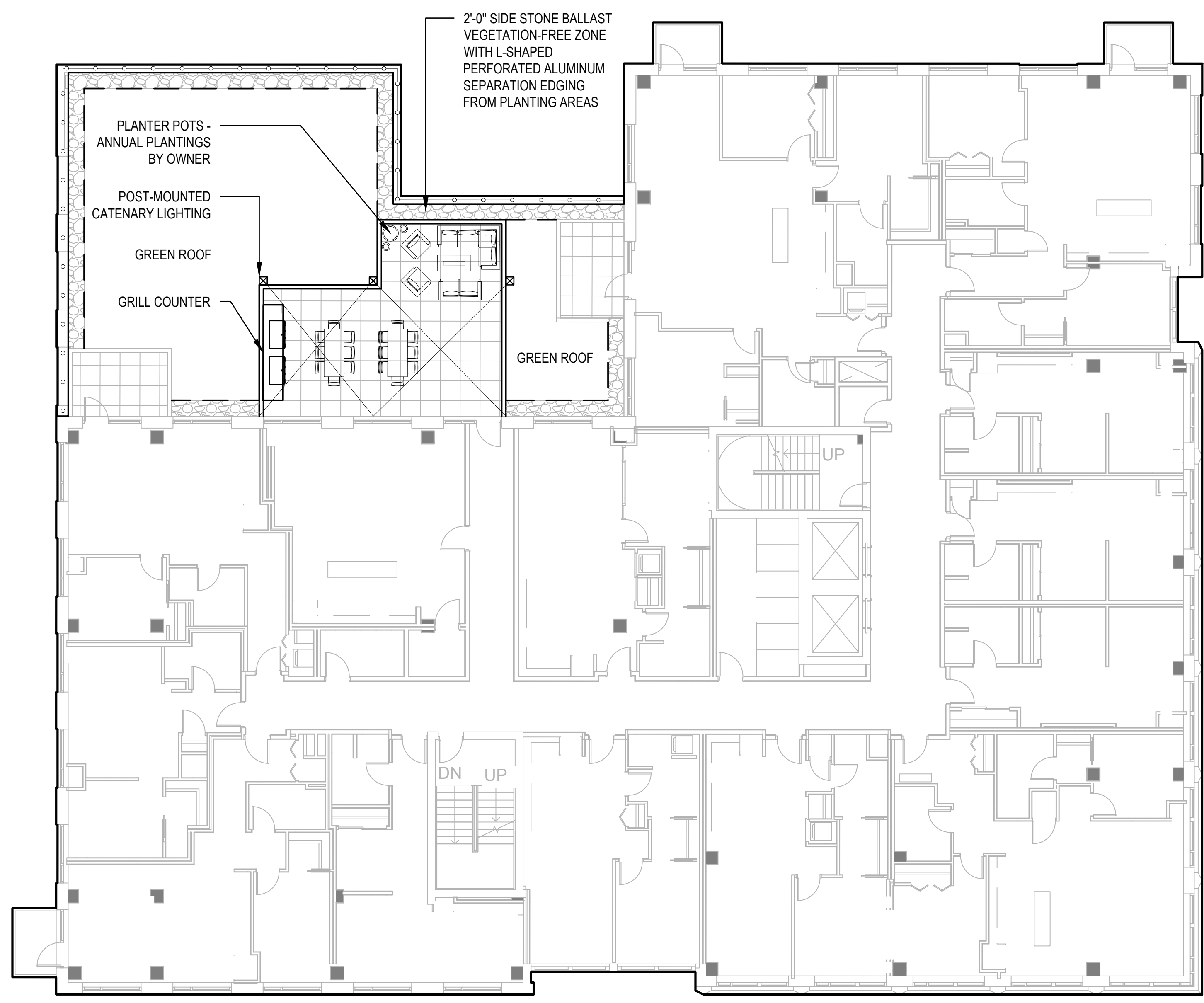


OUTDOOR FIRE TABLE AND LOUNGE SEATING

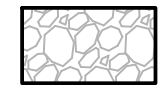


OUTDOOR DINING AND GRILL COUNTERS WITH CATENARY LIGHTING

1 2ND FLOOR SITE FURNISHING LAYOUT PLAN
SCALE: 1" = 10'-0"



5 ROOF SITE FURNISHING SCHEDULE

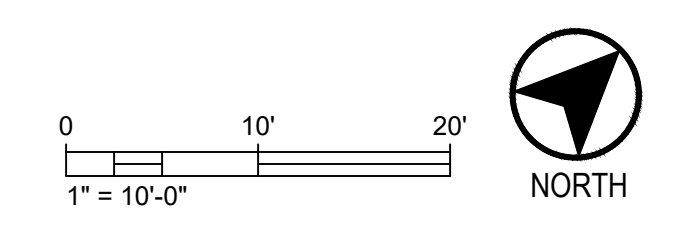
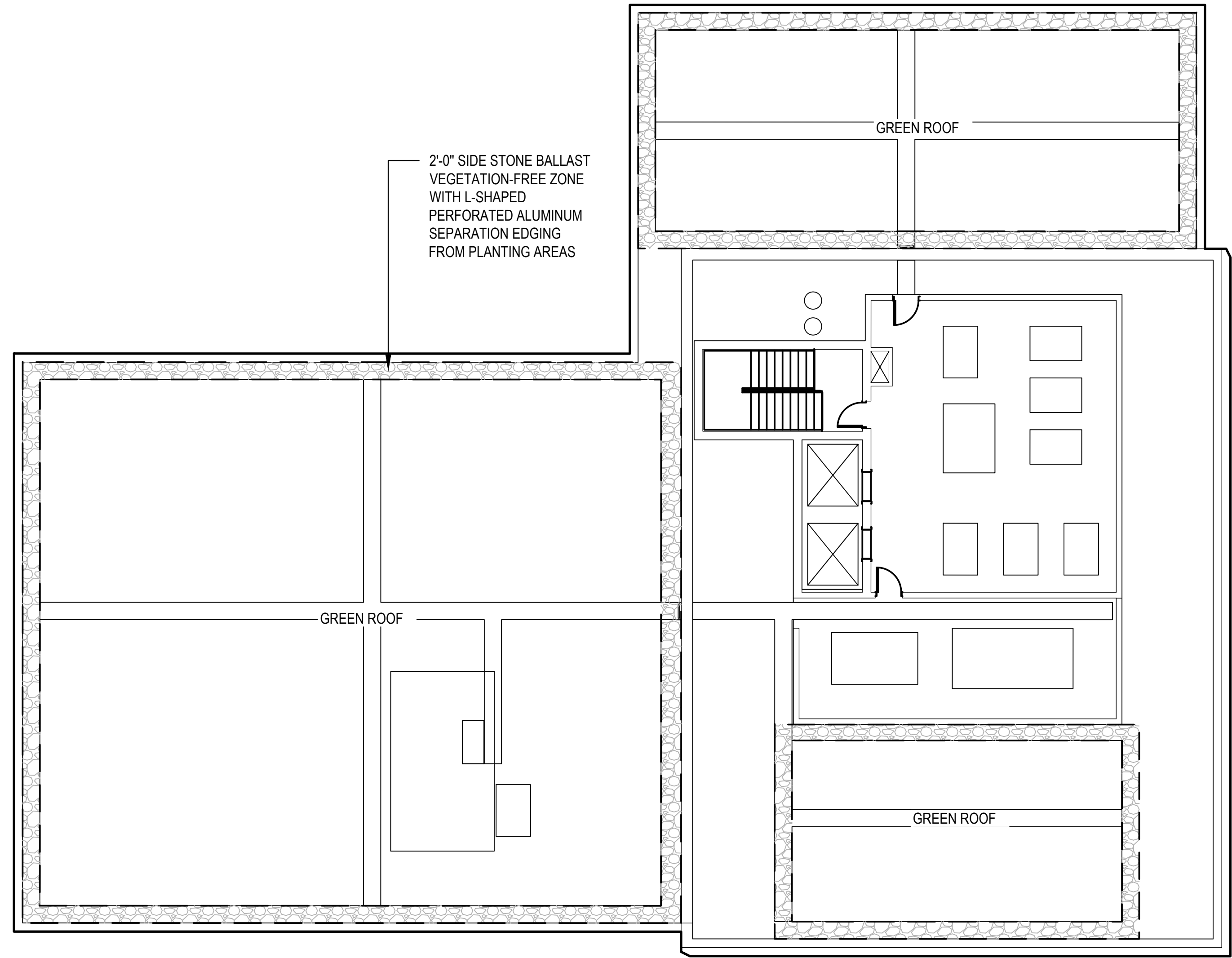
- HARDSCAPE & SITE FURNISHINGS SCHEDULE**
-  STONE MULCH BALLAST

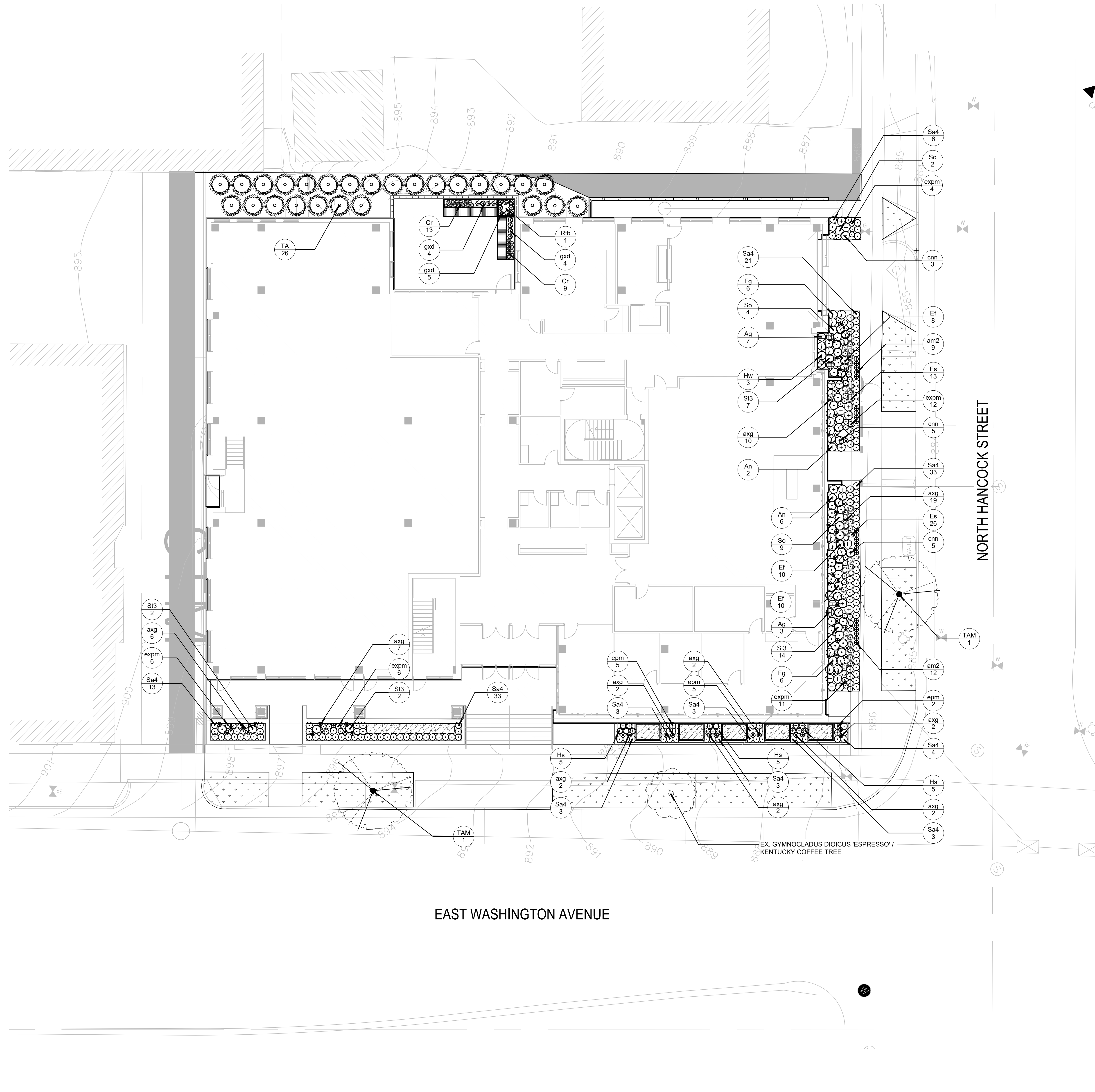
6 GREEN ROOF TYPOLOGY



FULL SUN SEDUM CARPET GREEN ROOF WITH BALLAST EDGING - SEE PLANTING PLAN FOR MORE INFORMATION

4 ROOF SITE FURNISHING LAYOUT PLAN
SCALE: 1" = 10'-0"





1 GROUND LEVEL & 1ST FLOOR PLANTING PLAN
SCALE: 1" = 10'-0"

2 GROUND LEVEL & 1ST FLOOR PLANT SCHEDULE
SCALE: 1" = 10'-0"

PLANT SCHEDULE GROUND LEVEL & FIRST FLOOR

TREES	CODE	BOTANICAL / COMMON NAME	CONT.	SIZE	QTY
TA	TA	Thuja occidentalis 'Art Bee' / North Pole® Arborvitae	B & B		26
SHADE TREES	CODE	BOTANICAL / COMMON NAME	CONT.	SIZE	QTY
TAM	TAM	Tilia americana 'McSentry' / McSentry Linden	B & B	2" Cal	2
DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT.	SIZE	QTY
Ag	Ag	Aronia melanocarpa 'UCONNMD12' TM / Ground Hog Black Chokeberry	2 gal		10
Fg	Fg	Fothergilla gardenii / Dwarf Fothergilla	2 gal		12
Hw	Hw	Hydrangea quercifolia 'Pee Wee' / Pee Wee Oakleaf Hydrangea	2 gal		3
Rtb	Rtb	Rhus typhina 'Baltiger' TM / Tiger Eyes Sumac	5 gal		1
GRASSES	CODE	BOTANICAL / COMMON NAME	CONT.	SIZE	QTY
Es	Es	Eragrostis spectabilis / Purple Lovegrass	1 gal		37
Sa4	Sa4	Setaria autumnalis / Autumn Moor Grass	1 gal		125
St3	St3	Sporobolus heterolepis 'Tara' / Tara Prairie Dropseed	1 gal		25
HERBACEOUS PERENNIALS	CODE	BOTANICAL / COMMON NAME	CONT.	SIZE	QTY
axg	axg	Allium x 'Globemaster' / 'Globemaster' Giant Allium	bulb		54
am2	am2	Allium x 'Millenium' / Millennium Ornamental Onion	1 gal		21
An	An	Ansonia hubrichtii 'Northwind' / Northwind Select Arkansas Bluestar	1 gal		8
cnm	cnm	Calamintha nepeta ssp. nepeta / Lesser Calamint	QUART		13
Cr	Cr	Carex rosea / Rosy Sedge	1 gal		22
epm	epm	Echinacea purpurea 'Magnus' / Magnus Purple Coneflower	1 gal		12
expm	expm	Echinacea x 'Pixie Meadowrite' / Pixie Meadowrite Purple Coneflower	1 gal		39
Ef	Ef	Eryngium yuccifolium 'Prairie Moon' / Prairie Moon Rattlesnake Master	1 gal		18
gnd	gnd	Geranium x 'Dilly's' / Cranesbill	1 gal		16
Hs	Hs	Helopsis helianthoides 'Summer Nights' / Summer Nights False Sunflower	1 gal		15
So	So	Symphoricarpos oblongifolium 'October Skies' / October Skies Fall Aster	1 gal		15
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	SIZE	FIELD	QTY
		OVERSEED BLUEGRASS TYPE LAWN PER CITY OF MADISON STANDARDS			1,268 sf
		VEGETABLE GARDEN PLOT ANNUALS / VEGETABLES BY OWNER			144 sf

City of Madison Landscape Worksheet
St. John's Lutheran Church
September 26th, 2022

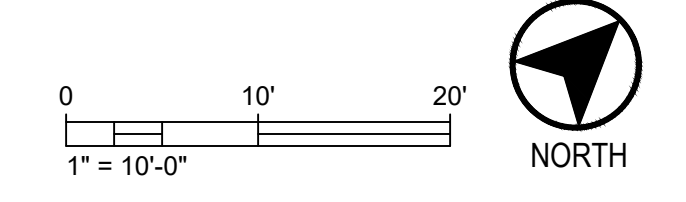
Developed Lots	SF	Minimum Open Space Required (SF)	Landscape Units Required	Landscape Points Subtotal	
Total Developed Area	4,862	n/a	16	81	
Landscape Points Required				81	
Development Frontage	LF	Overstory Tree Req. (or x2 for Orn./Evgrn. Tree Sub.)	Quantity Proposed	Quantity Existing	Points Achieved
Hancock St	132	4			22
E Washington Ave	164	5			27
Development Frontage Points Total: 706					
Interior Parking Lots	N/A				
Total Parking Lot Area	n/a				
General Site Foundation, Screening	Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
	Overstory Deciduous Tree	35	0	0	0
	Ornamental Tree	15	0	0	0
	Evergreen Tree	15	26	0	390
	Shrub, deciduous	2	1	0	2
	Shrub, evergreen	3	0	0	0
	Perennial/Ornamental Grass	2	38	0	76
	Ornamental/Decorative Fence or Wall (4 pts/10 LF)	4	0	0	0
General Site Plantings Total					468
TOTAL LANDSCAPE POINTS					1174

PRELIMINARY
NOT FOR CONSTRUCTION

St. Johns Lutheran Church
332 East Washington Avenue
Madison, WI

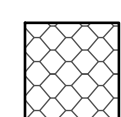
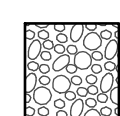
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09/26/2022 LAND USE & UDC APPLICATION



2 2ND FLOOR PLANT SCHEDULE

CONCEPT PLANT SCHEDULE 2ND FLOOR

	PART-SHADE SEDUM CARPET & PERENNIAL PLUGS OVER 12" SEMI-INTENSIVE GREEN ROOF GROWING MEDIA Aquilegia canadensis / Eastern Columbine Carex appalachica / Appalachian Sedge Carex dielsii / European Gray Sedge Carex pensylvanica / Pennsylvania Sedge Deschampsia flexuosa / Wavy Hair Grass Eriogonum pulchellum / Robin's Plantain Fragaria virginiana / Wild Strawberry Meehania corymbosa / Meehan's Mint Phlox divaricata / Woodland Phlox Sedum acre / Goldmoss Stonecrop Sedum acre 'Nurem' / Golden Stonecrop Sedum reflexum 'Angelina' / Angelina Sedum Sedum spurium 'Fuldaglut' / Fuldaglut Two Row Stonecrop Sedum spurium 'Green Mantle' / Green Mantle Two Row Stonecrop Sedum spurium 'John Creech' / John Creech Two Row Stonecrop Sedum spurium 'Red Carpet' / Red Carpet Two Row Stonecrop Sedum spurium 'Wild Stonecrop' Sedelia autumnalis / Autumn Moor Grass Stachys byzantina 'Big Ears' / Big Ears Lamb's Ear Tiarella cordifolia 'Pink Skyrocket' / Pink Skyrocket Foamflower Tiarella x Elizabeth Oliver / Elizabeth Oliver Foamflower	1,361 sf
	STONE MULCH BALLAST	310 sf

- NOTES:**
- SUBJECT TO AVAILABILITY, THE PART-SHADE PLANTING AREA WILL BE COMPOSED OF THE NOTED PERENNIAL SPECIES IN APPROXIMATELY EQUAL QUANTITIES, PRE-GROWN AND PLANTED AS PLUGS OR 4" POTS, AND PLANTED DIRECTLY INTO SEDUM CARPET.
 - PART-SHADE SEDUM CARPET SPECIES COMPOSITION SUBJECT TO AVAILABILITY, SEDUM CARPET WILL BE COMPOSED OF THE NOTED SPECIES IN APPROXIMATELY EQUAL QUANTITIES, PRE-GROWN AND DELIVERED TO THE SITE AS A SOD-LIKE MATERIAL.

NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROTECT BENCHMARKS.
- ALL EXISTING PLANT MATERIAL IS SHOWN AT EXISTING, APPROXIMATED SIZE PER CITY OF MADISON STANDARDS.
- ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
- ANY LAWN OR LANDSCAPED AREAS OUTSIDE OF THE CONSTRUCTION BOUNDARY THAT ARE DISTURBED SHALL BE RE-SEEDDED AND/OR REPAIRED WITH ORIGINAL MATERIALS AND TO PRE-DISTURBANCE STANDARDS AT NO COST TO THE OWNER OR CITY.
- CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF PLANT MATERIAL - SEE SPECIFICATIONS FOR MORE INFORMATION.
- CONTRACTOR SHALL CONTACT CITY FORESTRY (BRAD HOFMANN, BHOFMANN@CITYOFMADISON.COM - OR - 608-266-4816) AT LEAST ONE WEEK PRIOR TO PLANTING IN THE RIGHT-OF-WAY TO SCHEDULE INSPECTING THE NURSERY STOCK, REVIEW PLANTING SPECIFICATIONS AND INDICATE PLANTING LOCATIONS WITH THE LANDSCAPE CONTRACTOR.
- CITY FORESTRY MAY DETERMINE FINAL STREET TREE SPECIES SELECTION.
- CONTRACTOR SHALL THOROUGHLY REVIEW ALL SPECIFICATION SECTIONS RELATED TO TREE PROTECTION, SOIL PREPARATION, TURF AND GRASSES, PLANTS, VEGETATED ROOF SYSTEMS, AND EXTERIOR SITE FURNISHINGS. THESE SECTIONS PROVIDE ADDITIONAL DETAILED INFORMATION ON MATERIALS AND SET STANDARDS FOR QUALITY AND INSTALLATION REQUIREMENTS.
- 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 WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
- 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 (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: WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM
- 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 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
- 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 FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
- ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING MAY BE 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.
- STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300- PART 1 STANDARDS FOR PRUNING.

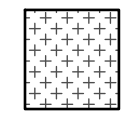
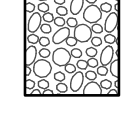
1 2ND FLOOR PLANTING PLAN

SCALE: 1" = 10'-0"



4 ROOF PLANT SCHEDULE

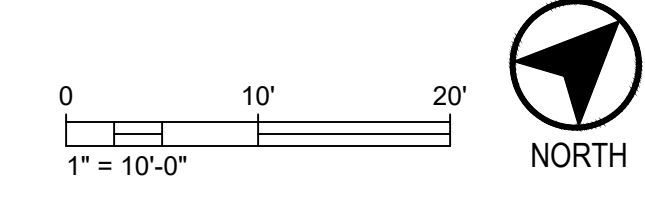
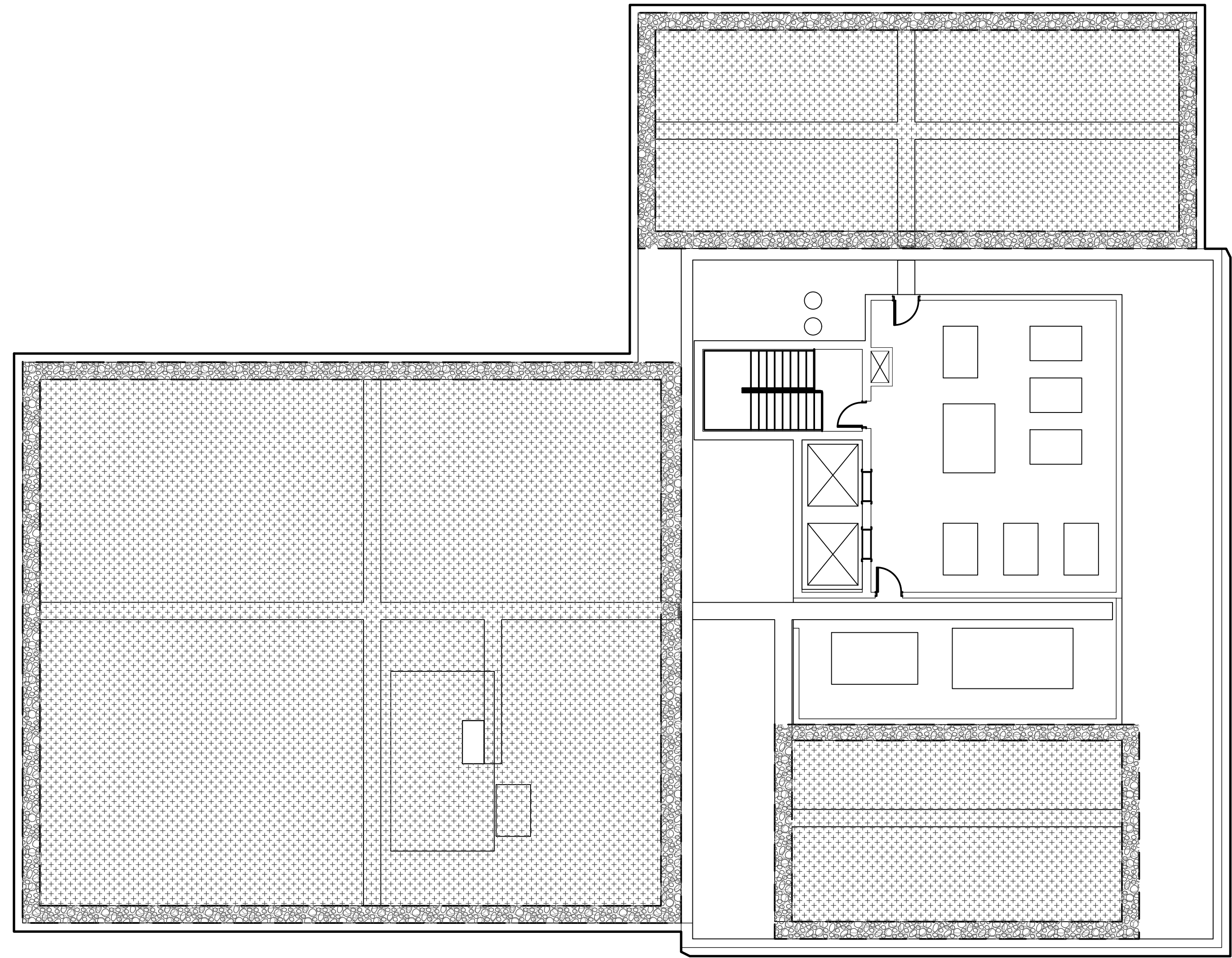
CONCEPT PLANT SCHEDULE ROOF

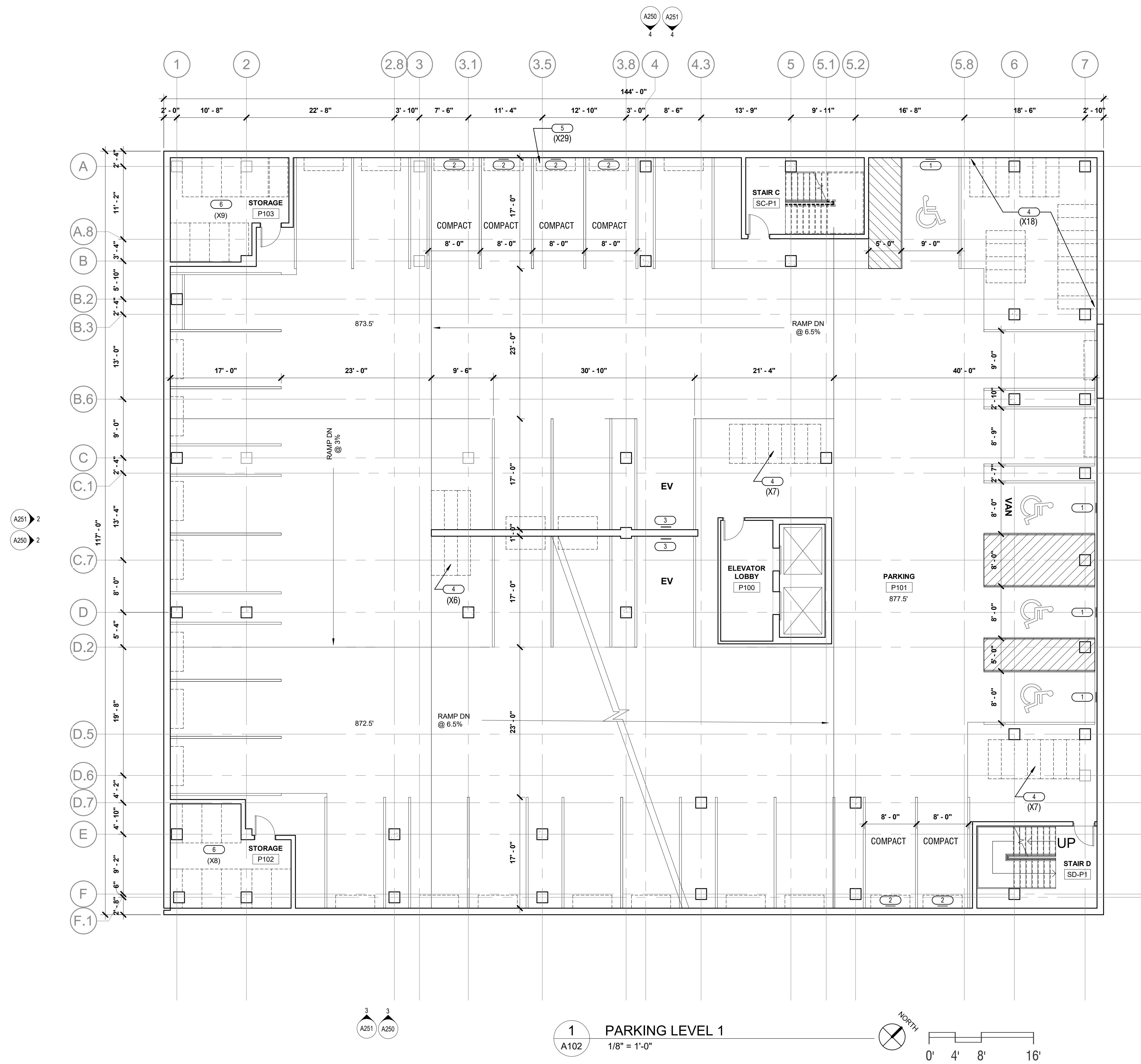
	FULL SUN SEDUM CARPET OVER 12" SEMI-INTENSIVE GREEN ROOF MEDIA Sedum acre / Goldmoss Stonecrop Sedum acre 'Nurem' / Golden Stonecrop Sedum album 'Coral Carpet' / Coral Carpet Stonecrop Sedum album 'Muralie' / Chubby Fingers Stonecrop Sedum hipericum / Spanish Stonecrop Sedum kamtschaticum / Orange Stonecrop Sedum kamtschaticum 'Florieum' / Russian Stonecrop Sedum kamtschaticum 'Variegatum' / Variegated Stonecrop Sedum rupestre 'Angelina' / Angelina Sedum Sedum rupestre 'Blue Spruce' / Blue Spruce Sedum Sedum saxangulare / Tasteless Stonecrop Sedum spurium 'Fuldaglut' / Fuldaglut Two Row Stonecrop Sedum spurium 'John Creech' / John Creech Two Row Stonecrop Sedum spurium 'Red Carpet' / Red Carpet Two Row Stonecrop Sedum stelfox / Stonecrop Sedum takesimensis 'Golden Carpet' / Golden Carpet Sedum Sedum x 'Immergruenchen' / Immergruenchen Stonecrop	6,598 sf
	STONE MULCH BALLAST	5,560 sf

- NOTE:**
- FULL-SUN SEDUM CARPET SPECIES COMPOSITION SUBJECT TO AVAILABILITY, SEDUM CARPET WILL BE COMPOSED OF THE NOTED SPECIES IN APPROXIMATELY EQUAL QUANTITIES, PRE-GROWN AND DELIVERED TO THE SITE AS A SOD-LIKE MATERIAL.

3 ROOF PLANTING PLAN

SCALE: 1" = 10'-0"





- Notes:
- GENERAL NOTES:**
1. ALL PARKING STALLS ARE 8'-0" X 17'-0" U.O.N.
 2. ALL BIKE STALLS ARE 2'-0" X 6'-0" HORIZONTALLY ORIENTED, FLOOR MOUNTED, U.O.N.
- KEYNOTES:**
- 1 ADA PARKING SIGNAGE
 - 2 COMPACT VEHICLE PARKING SIGNAGE
 - 3 NEW EV CHARGING STATION AND SIGNAGE
 - 4 GROUND OR FLOOR MOUNTED BIKE RACKS
 - 5 WALL MOUNTED BIKE RACKS
 - 6 3'-0" X 6'-0" X 6'-0" STORAGE LOCKERS

PRELIMINARY
NOT FOR CONSTRUCTION

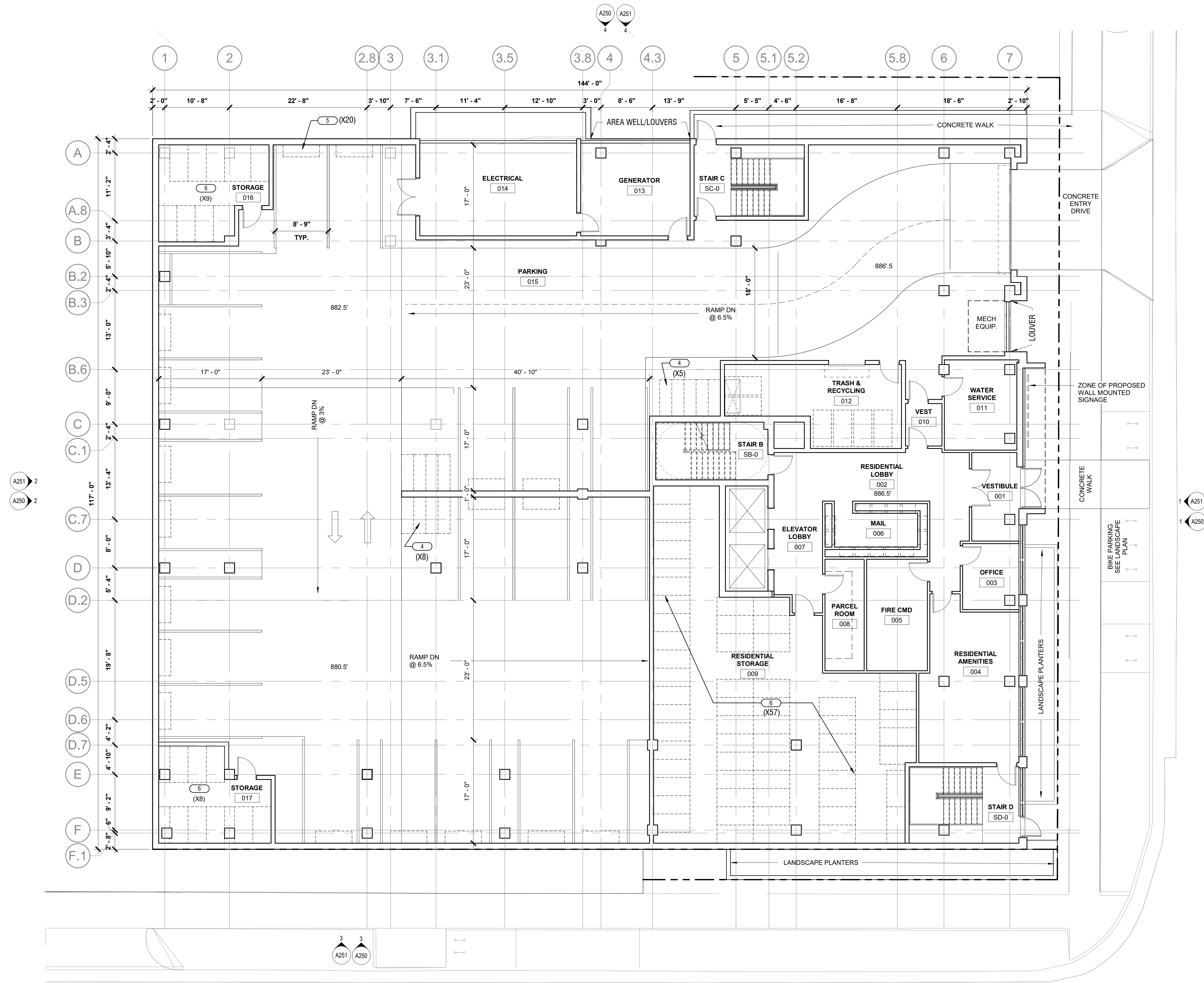
St. Johns Lutheran Church
332 East Washington Avenue
Madison, WI

2021.09.00

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09/28/2022	LAND USE & UDC APPLICATION

1 PARKING LEVEL 1
1/8" = 1'-0"
NORTH
0' 4' 8' 16'

PARKING LEVEL ONE PLAN



Notes:

GENERAL NOTES:

1. ALL PARKING STALLS ARE 8'-0" X 17'-0" U.O.N.
2. ALL BIKE STALLS ARE 2'-0" X 6'-0" HORIZONTALLY ORIENTED, FLOOR MOUNTED, U.O.N.

KEYNOTES:

- 1 ADA PARKING SIGNAGE
- 2 COMPACT VEHICLE PARKING SIGNAGE
- 3 NEW EV CHARGING STATION AND SIGNAGE
- 4 GROUND OR FLOOR MOUNTED BIKE RACKS
- 5 WALL MOUNTED BIKE RACKS
- 6 3'-0" X 6'-0" X 8'-0" STORAGE LOCKERS

PRELIMINARY
NOT FOR CONSTRUCTION

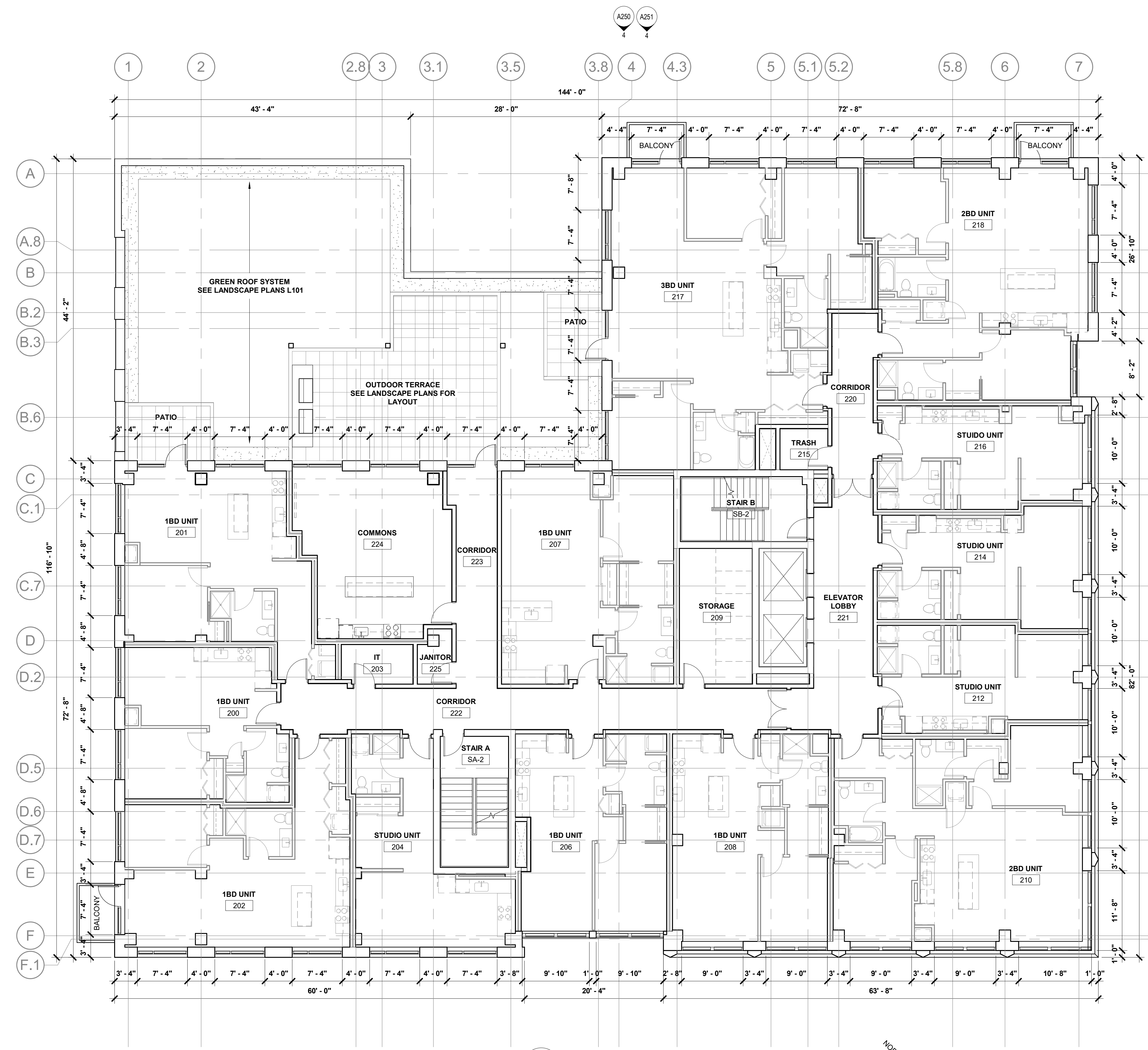
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ISSUANCE/REVISIONS: LAND USE & UDC APPLICATION

1 LOWER LEVEL
1/8" = 1'-0"
NORTH
0' 4' 8' 16'

**LOWER LEVEL
PLAN**



1 SECOND FLOOR PLAN
1/8" = 1'-0"
0' 4' 8' 16'

Notes:

- UNIT COUNT
- (4) STUDIOS
- (6) 1 BEDROOM UNITS
- (2) 2 BEDROOM UNITS
- (1) 3 BEDROOM UNIT
- (13) UNITS

PRELIMINARY
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332 East Washington Avenue
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DATE ISSUANCE/REVISIONS
09/28/2022 LAND USE & UDC APPLICATION

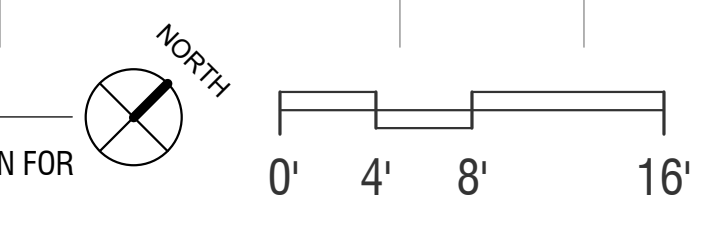
DATE	ISSUANCE/REVISIONS

**SECOND FLOOR
PLAN**

A105



1 THIRD FLOOR PLAN
1/8" = 1'-0"
SEE SECOND FLOOR PLAN FOR TYPICAL DIMENSIONS



Notes:

- UNIT COUNT
- (5) STUDIOS
- (6) 1 BEDROOM UNITS
- (4) 2 BEDROOM UNIT
- (15) UNITS

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332 East Washington Avenue
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**THIRD FLOOR
PLAN**



Notes:

- UNIT COUNT
- (5) STUDIOS
- (6) 1 BEDROOM UNITS
- (4) 2 BEDROOM UNIT
- (15) UNITS

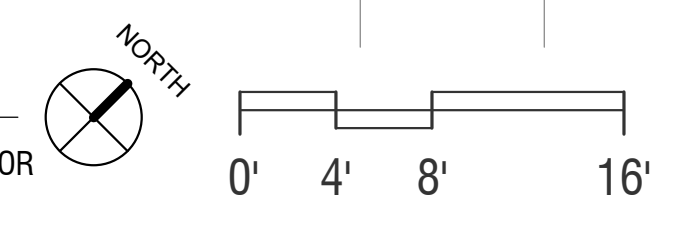
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1 FOURTH FLOOR
1/8" = 1'-0"
SEE SECOND FLOOR PLAN FOR TYPICAL DIMENSIONS



**FOURTH FLOOR
PLAN**

A107



Notes:

UNIT COUNT
 (5) STUDIOS
 (6) 1 BEDROOM UNITS
 (4) 2 BEDROOM UNIT
 (15) UNITS

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DATE	ISSUANCE/REVISIONS
09/28/2022	LAND USE & UDC APPLICATION

**SIXTH FLOOR
 PLAN**

A109



Notes:

- UNIT COUNT
- (5) STUDIOS
- (6) 1 BEDROOM UNITS
- (4) 2 BEDROOM UNIT
- (15) UNITS

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09/26/2022	LAND USE & UDC APPLICATION

**EIGHTH FLOOR
PLAN**

A111

Notes:

- ELEVATION KEY NOTES
- 1 BRICK VENEER - RUNNING BOND
 - 2 BRICK VENEER - STACKED SOLDER BOND
 - 3 PRECAST CONCRETE PANEL (ALTERNATE: STONE VENEER PANELS)
 - 4 STONE VENEER PANEL
 - 5 STONE COPING/ SILL
 - 6 STONE VENEER PLANTER W/ STONE COPING
 - 7 STONE VENEER BENCH
 - 8 PRECAST STONE SILL
 - 9 ALUMINUM GUARDRAIL - ANODIZED MEDIUM BRONZE
 - 10 CONCRETE BALCONY
 - 11 SITE CAST CONCRETE RETAINING WALL/ FOUNDATION
 - 12 PRECAST CONCRETE BASE
 - 13 HIGH DENSITY FIBER CEMENT BOARD
 - 14 ACCENT STEEL LINTEL
 - 15 CONCEALED FASTENER ANODIZED METAL PANEL - MEDIUM BRONZE
 - 16 COILING GARAGE DOOR - PAINTED
 - 17 MECHANICAL LOUVER - PAINTED
 - 18 ALUMINUM SLATS
 - 19 FAUX WOOD VENEER EXTRUDED ALUMINUM FIN
 - 20 FIBER GLASS WINDOW GLAZING SYSTEM - MEDIUM BRONZE
 - 21 FIBER GLASS WINDOW WALL GLAZING SYSTEM - MEDIUM BRONZE
 - 22 FIBER GLASS STOREFRONT GLAZING SYSTEM - MEDIUM BRONZE
 - 23 CURTAIN WALL GLAZING SYSTEM - ANODIZED MEDIUM BRONZE / STAINED GLASS/ LAMINATED COLORED INLAYS
 - 24 CURTAIN WALL GLAZING SYSTEM - ANODIZED MEDIUM BRONZE
 - 25 ZONE OF PROPOSED SIGNAGE

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**BUILDING
ELEVATIONS**

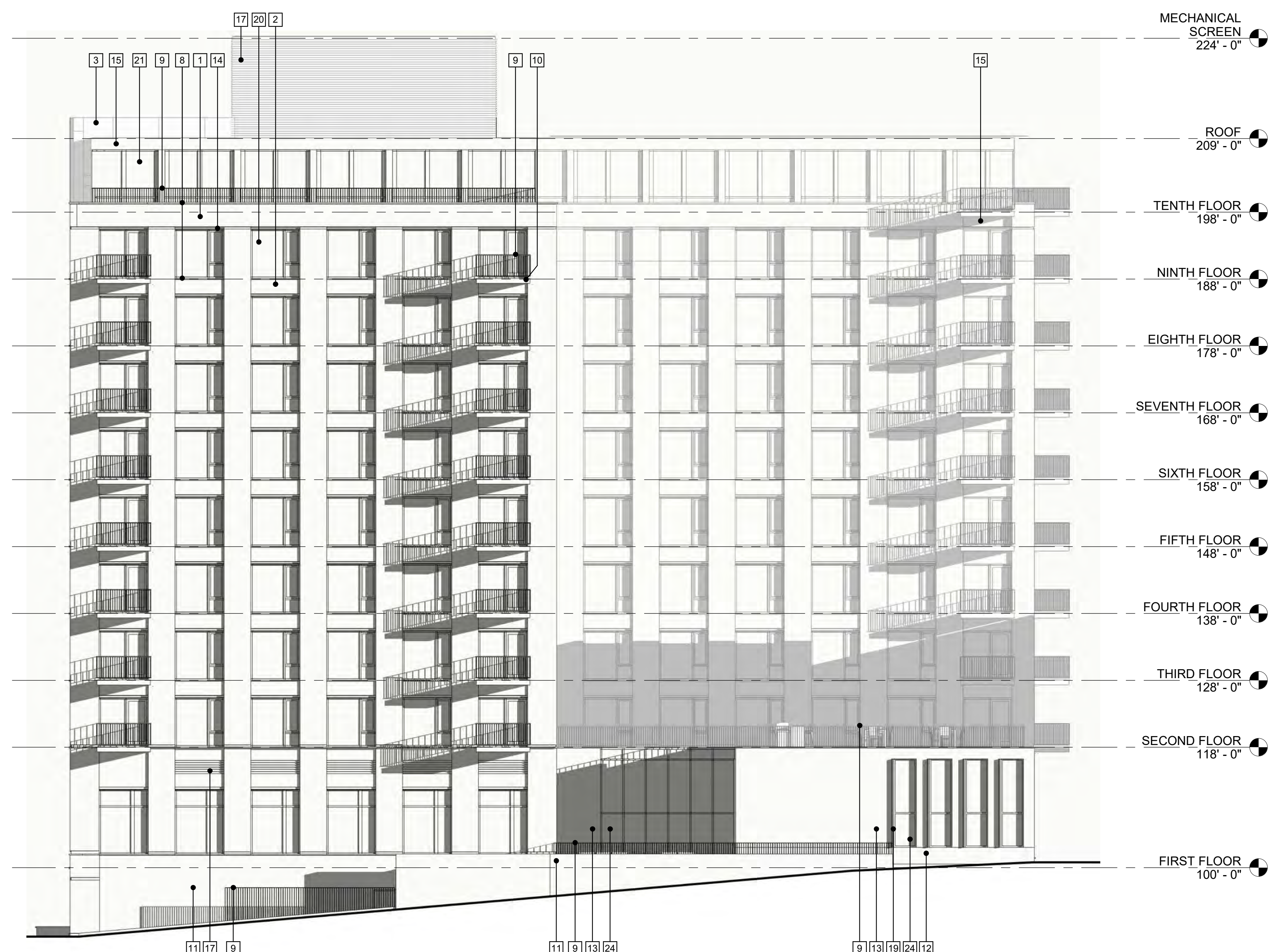
A251



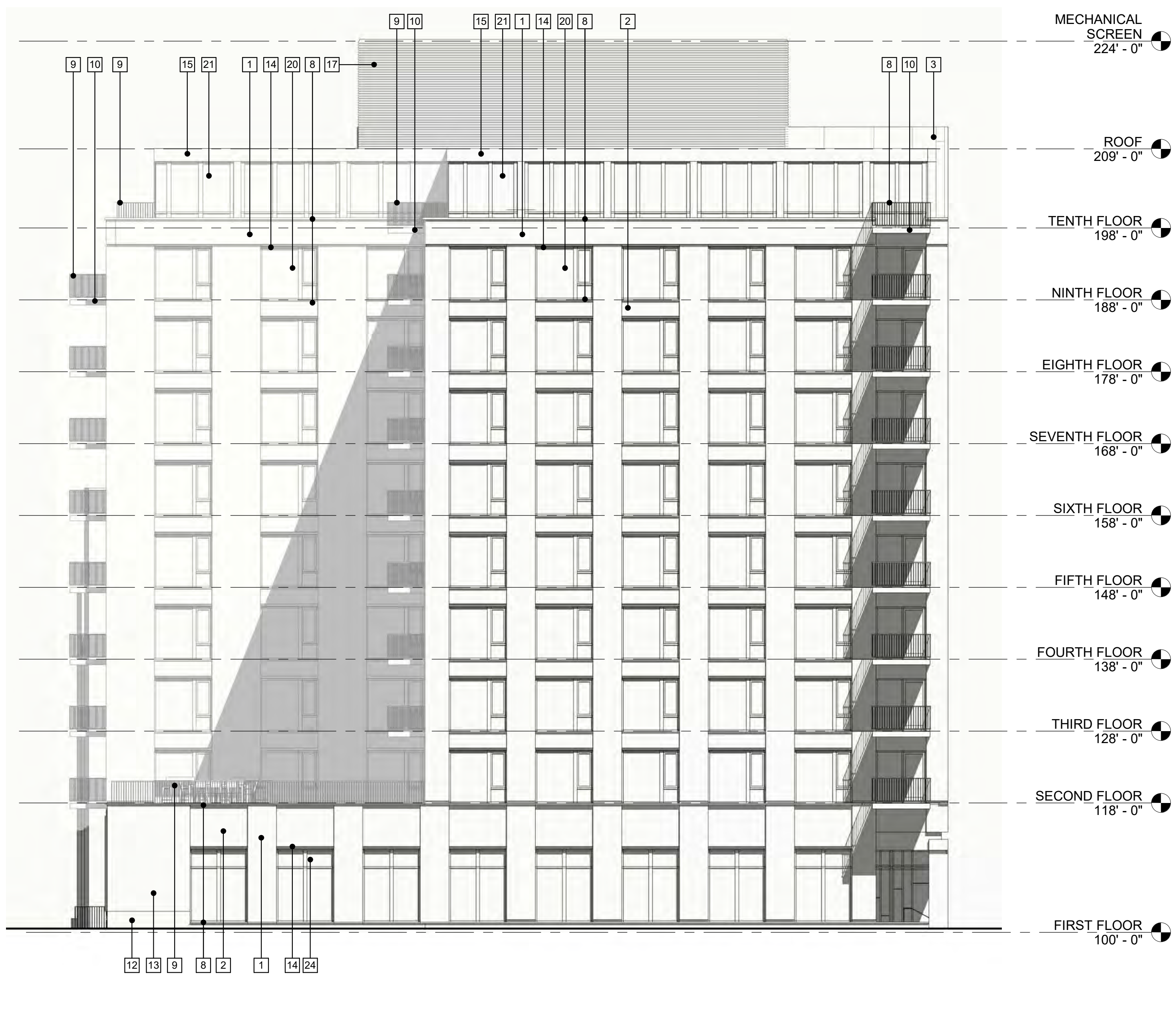
3 SOUTH-EAST ELEVATION
A251 3/32" = 1'-0"



1 NORTH-EAST ELEVATION
A251 3/32" = 1'-0"



4 NORTH-WEST ELEVATION
A251 3/32" = 1'-0"



2 SOUTH-WEST ELEVATION
A251 3/32" = 1'-0"

Notes:



01. South Perspective



03. North Perspective

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St. Johns Lutheran Church

332 East Washington Avenue
Madison, WI

2021.09.00

DATE	ISSUANCE/REVISIONS	
09/28/2022	LAND USE & UDC APPLICATION	

PERSPECTIVES

Notes:

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332 East Washington Avenue
Madison, WI

2021.09.00

DATE	ISSUANCE/REVISIONS
09/28/2022	LAND USE & UDC APPLICATION

PERSPECTIVES

A262



01. South Perspective



02. South-East Perspective



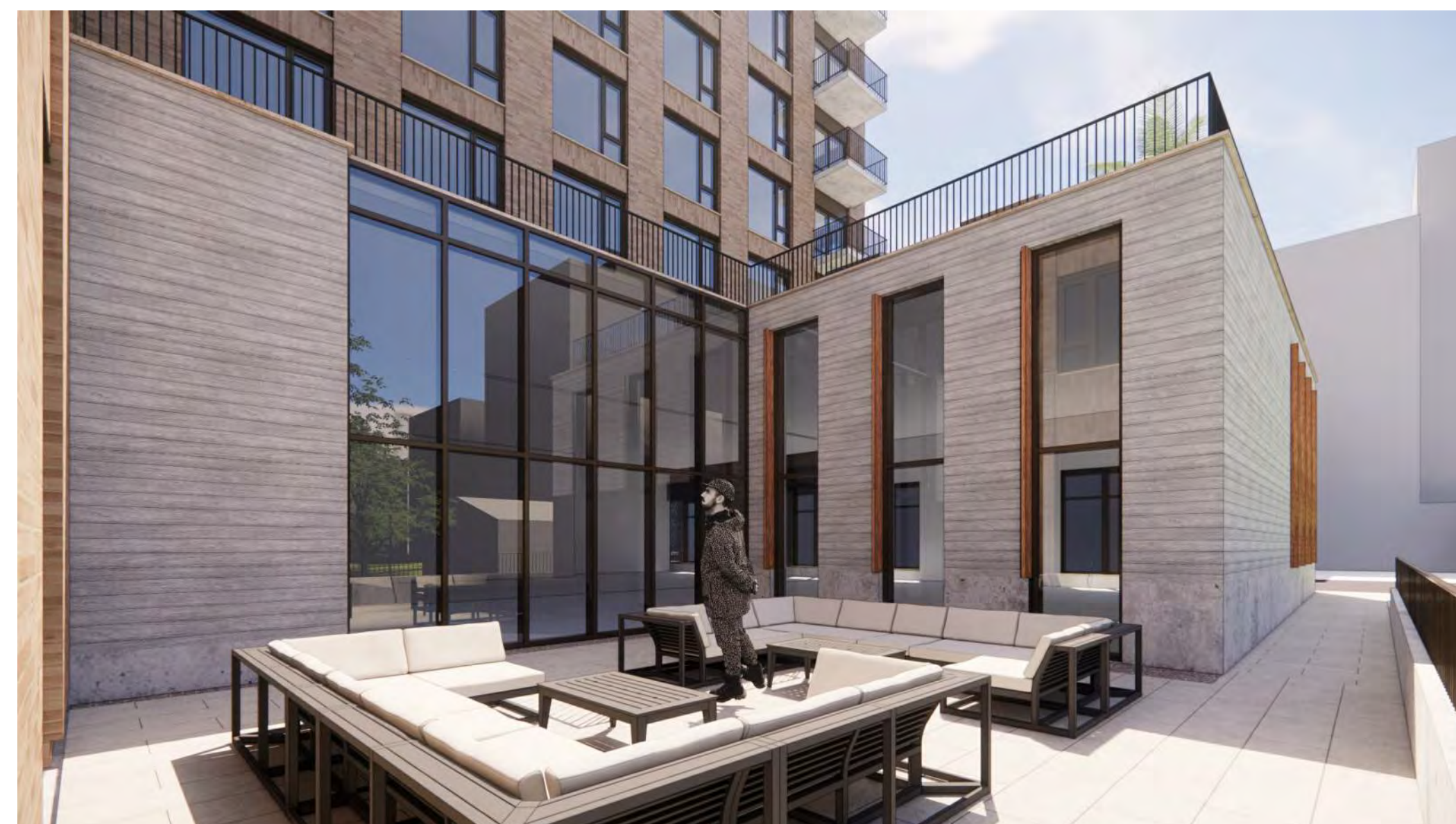
03. East Perspective



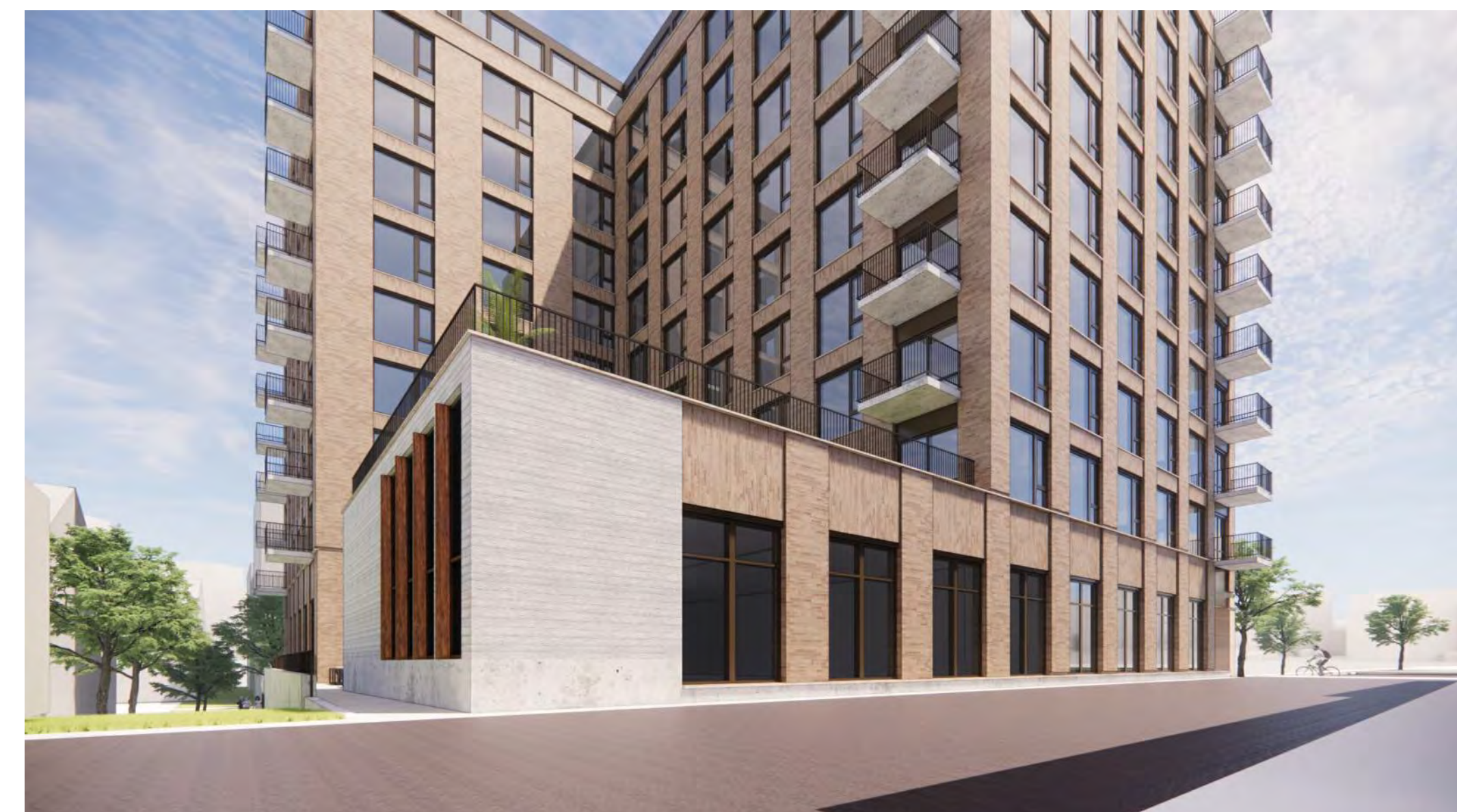
04. North- East Perspective



05. North Perspective



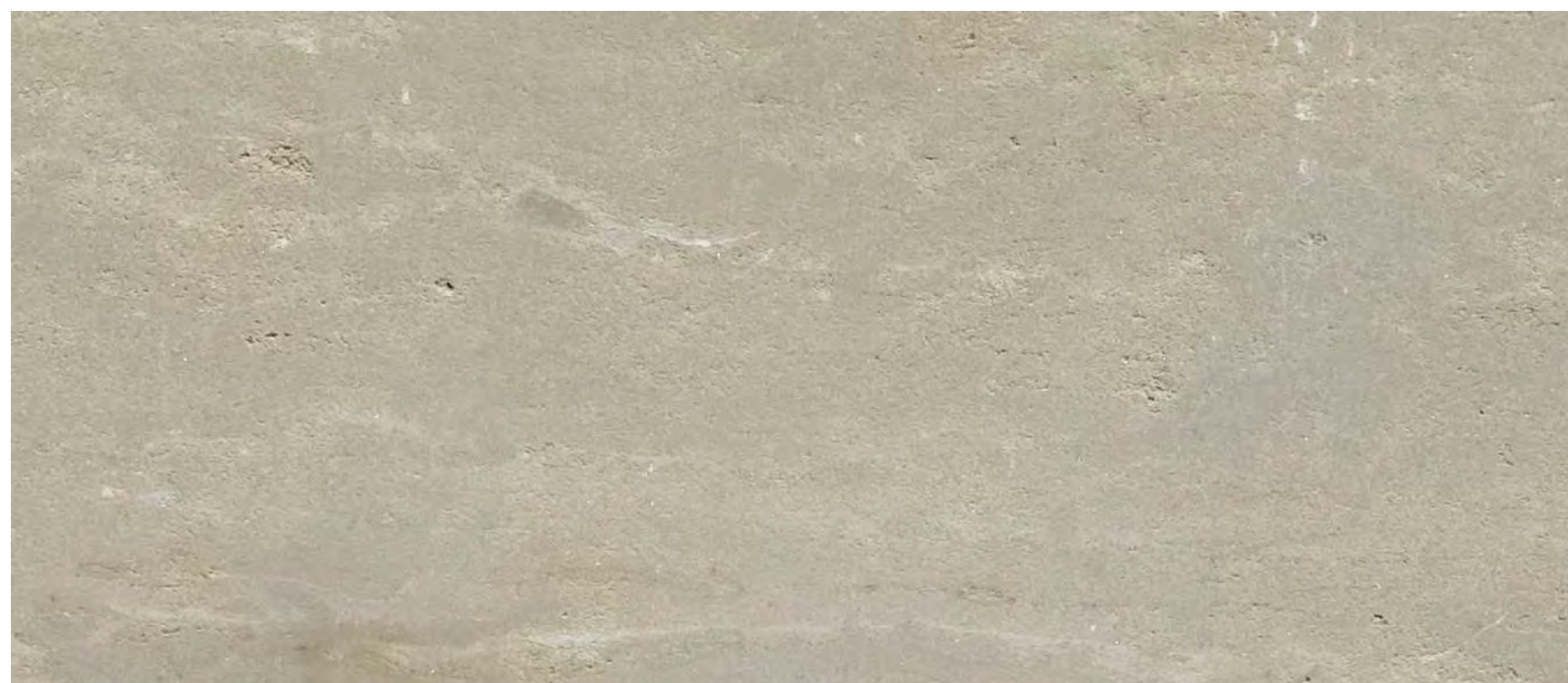
06. North-West Perspective



07. West Perspective



1. Brick Veneer



2. Stone Veneer



3. Precast Concrete



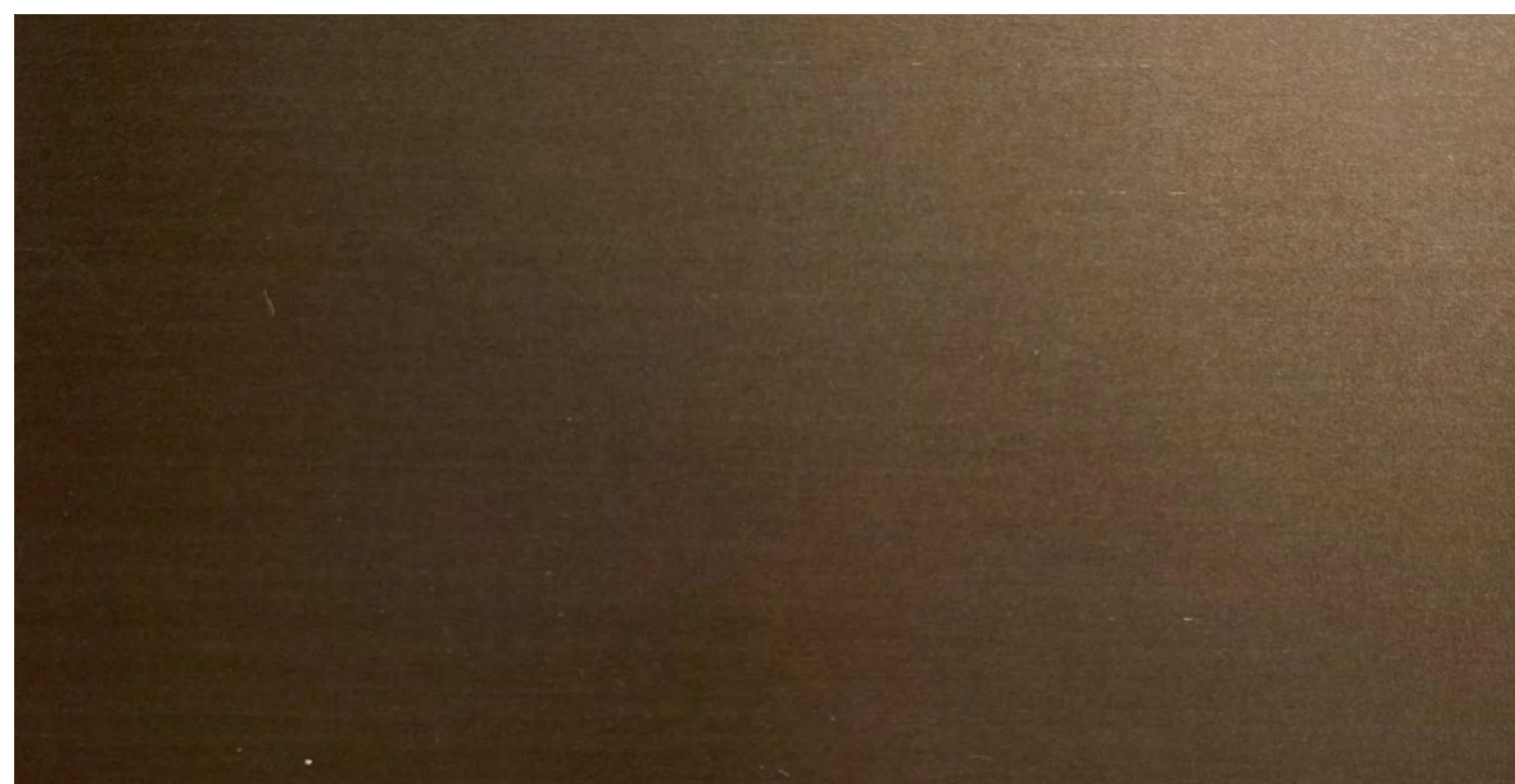
4. Wood Veneer



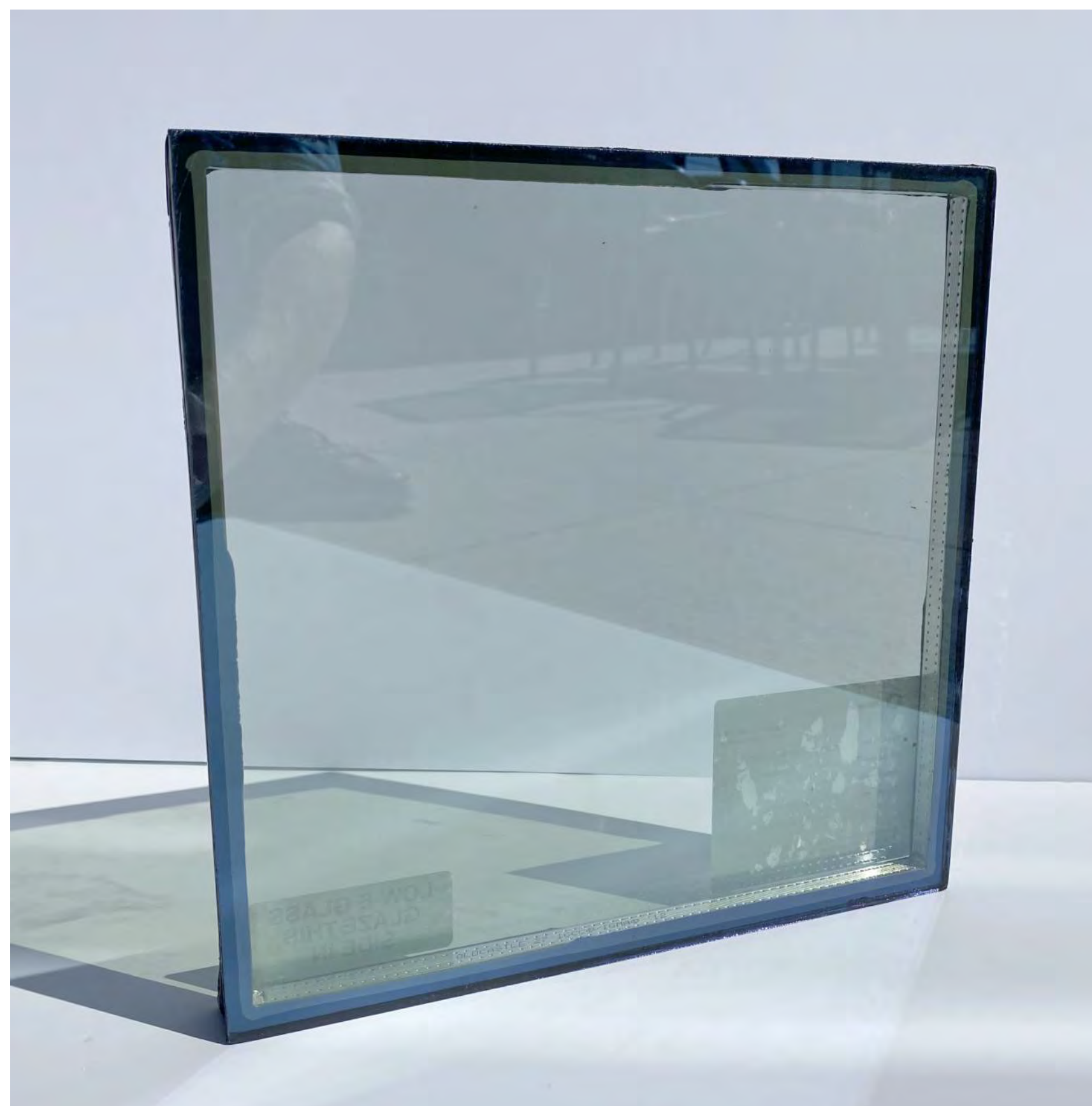
5. High Density Fiber Cement



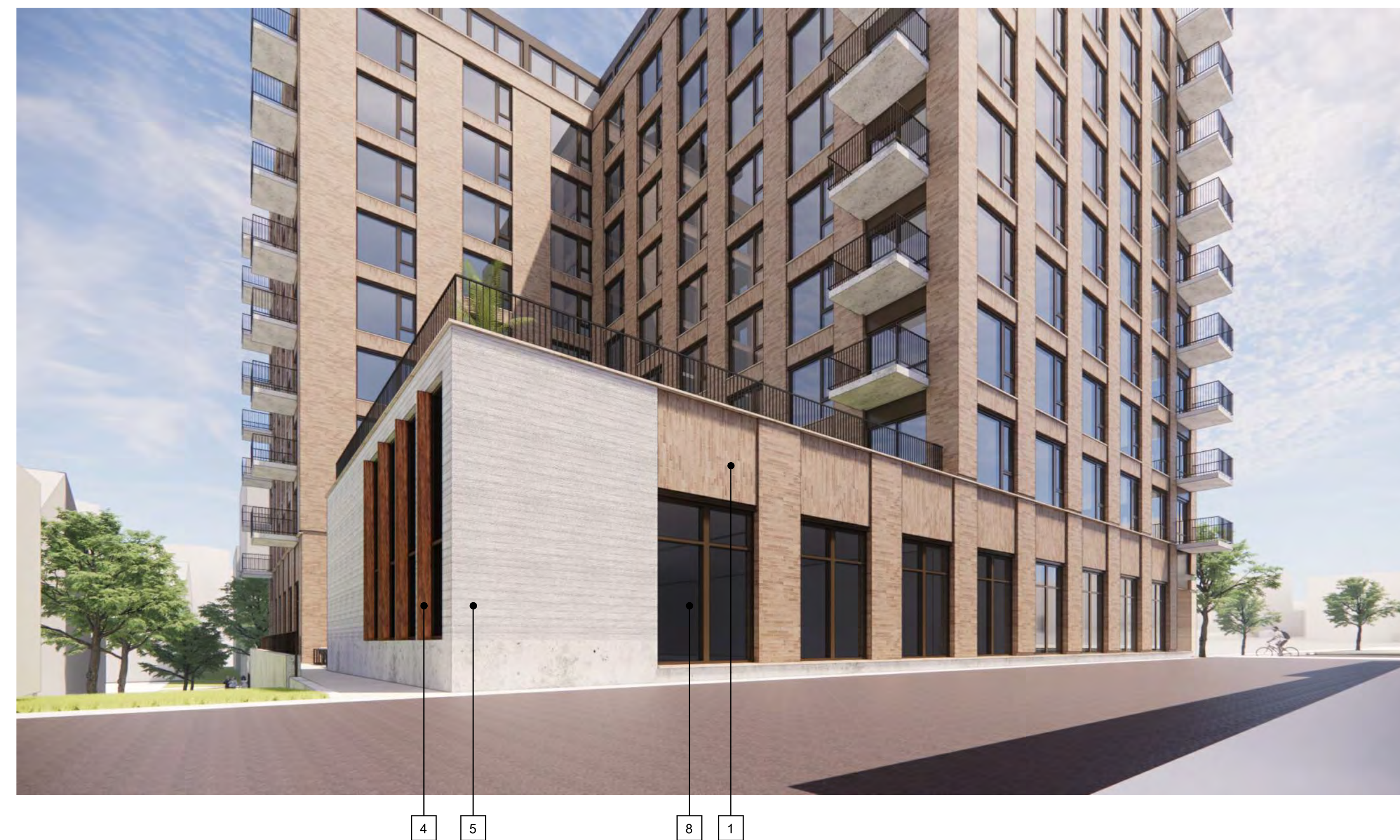
6. Stained Glass/ Laminated Colored Inlay



7. Painted Medium Bronze



8. Clear Low-E Coated Glazing



Notes:

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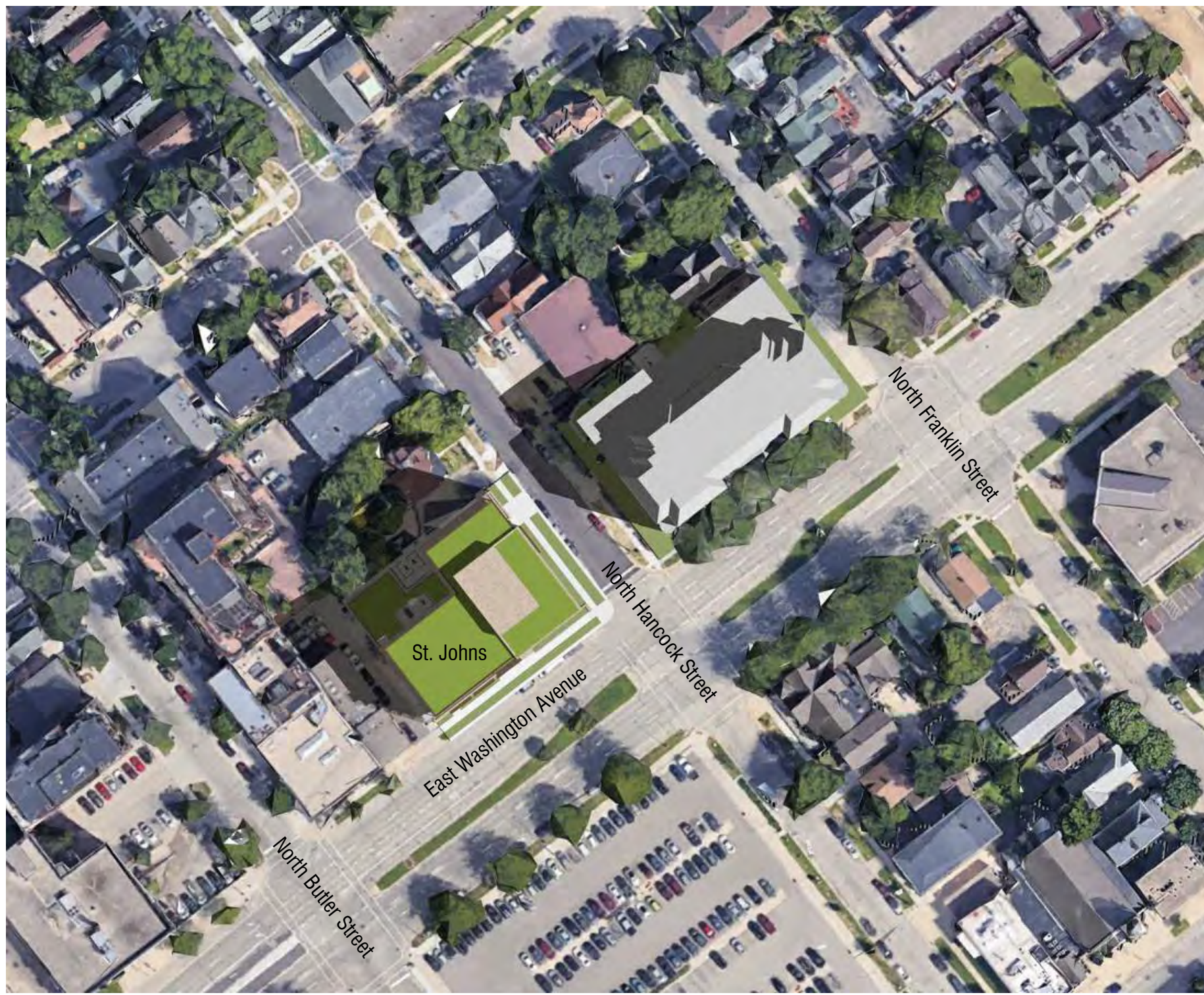
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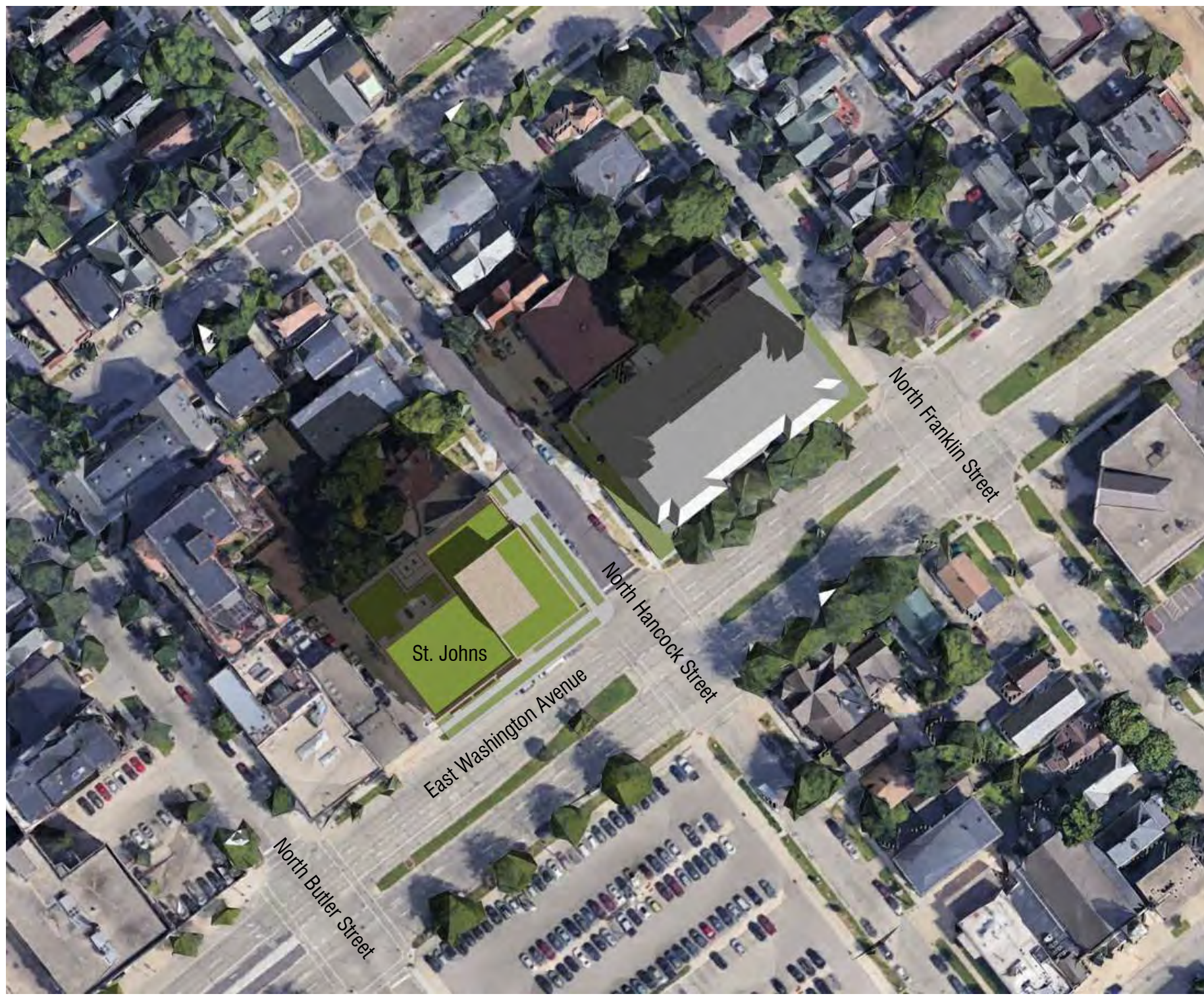
DATE: 09/28/2022
ISSUANCE/REVISIONS: LAND USE & UDC APPLICATION

NO.	DATE	ISSUANCE/REVISIONS

**BUILDING
MATERIALS**



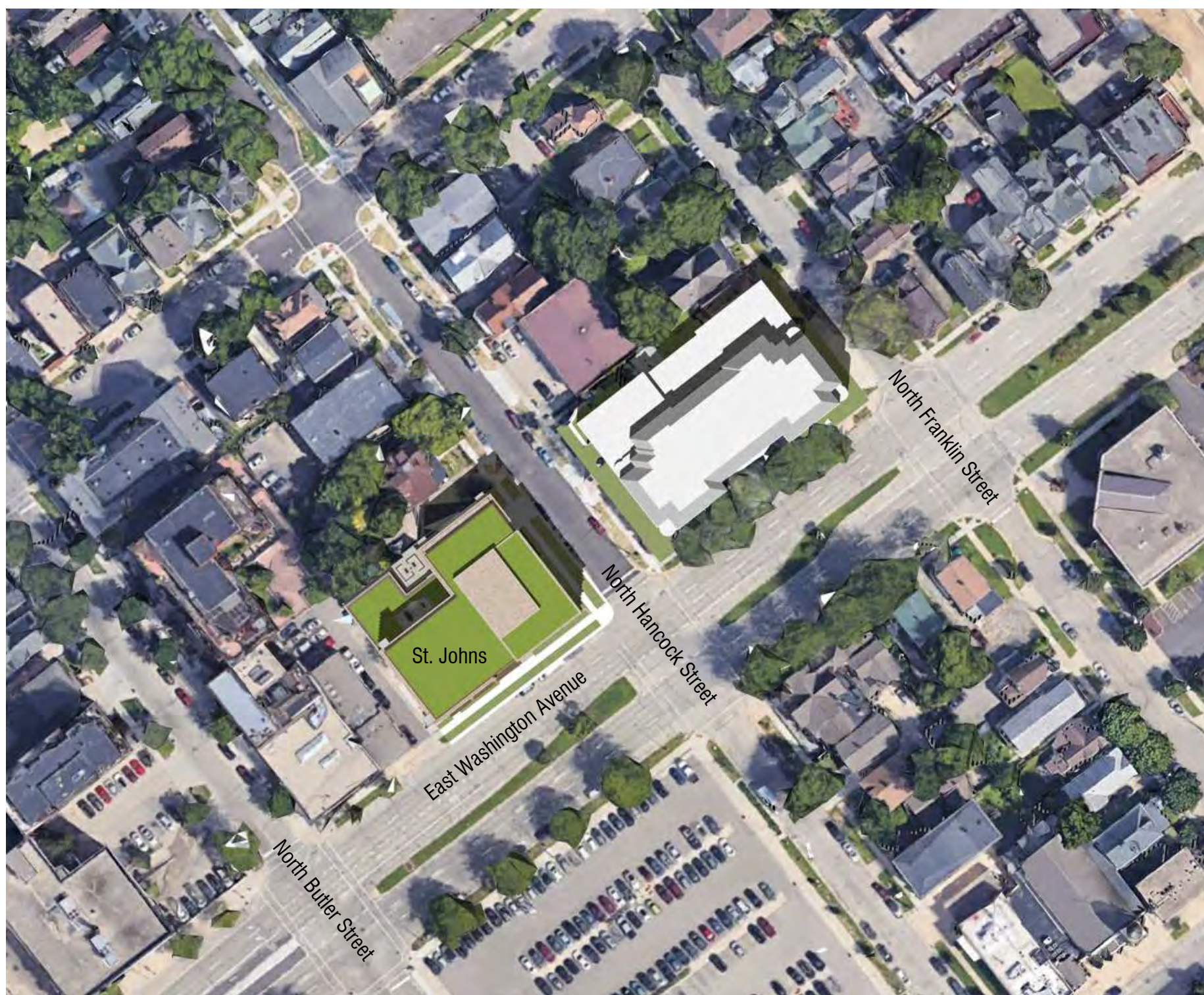
Summer 9am



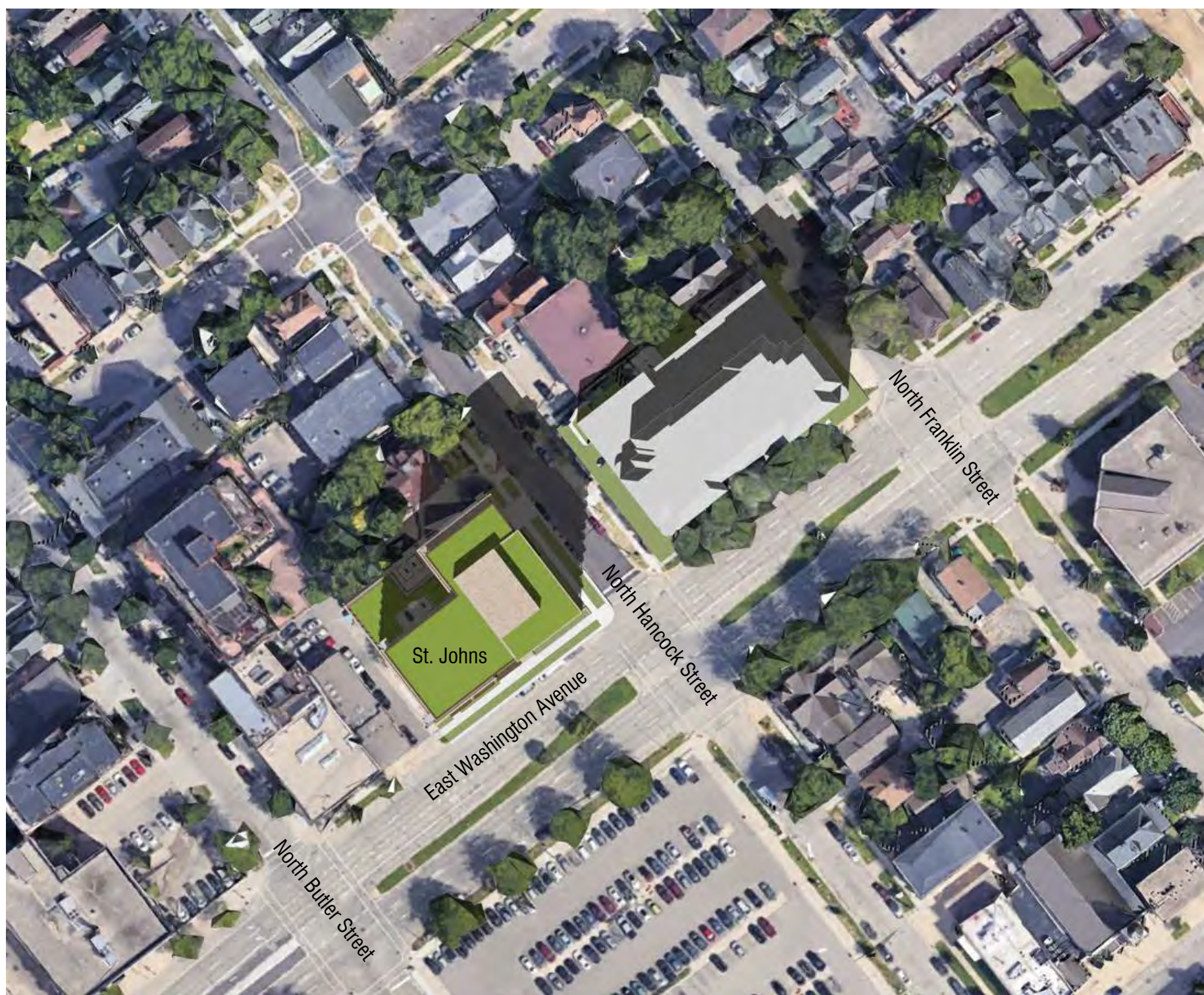
Spring & Fall 9am



Winter 9am



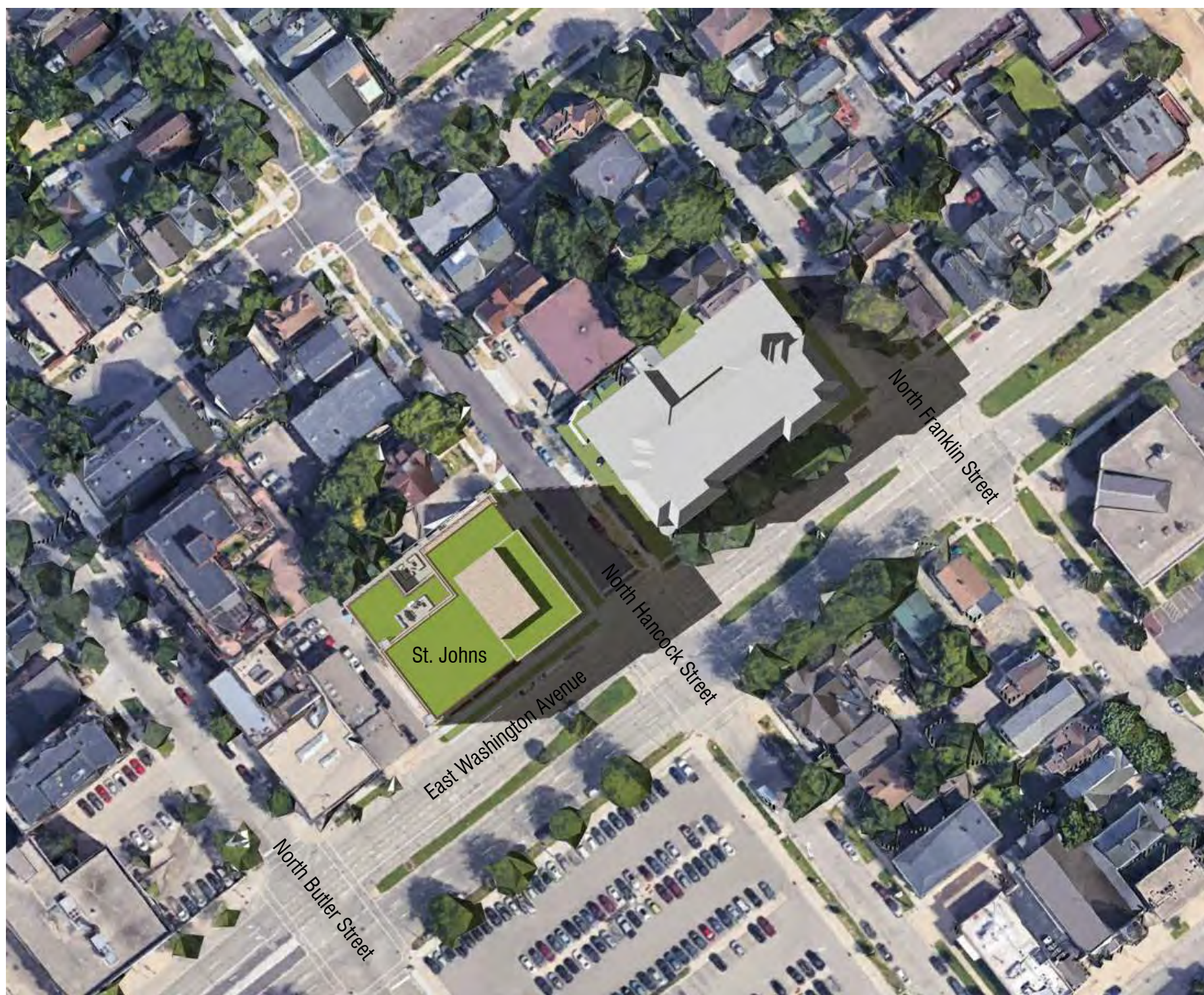
Summer Noon



Spring & Fall Noon



Winter Noon



Summer 3pm



Spring & Fall 3pm



Winter 3pm

Notes:

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332 East Washington Avenue
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2021.09.00

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SHADOW STUDY

Notes:

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332 East Washington Avenue
Madison, WI

2021.09.00

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09/28/2022	LAND USE & UDC APPLICATION

PERSPECTIVES

A262



01. South Perspective



02. South-East Perspective



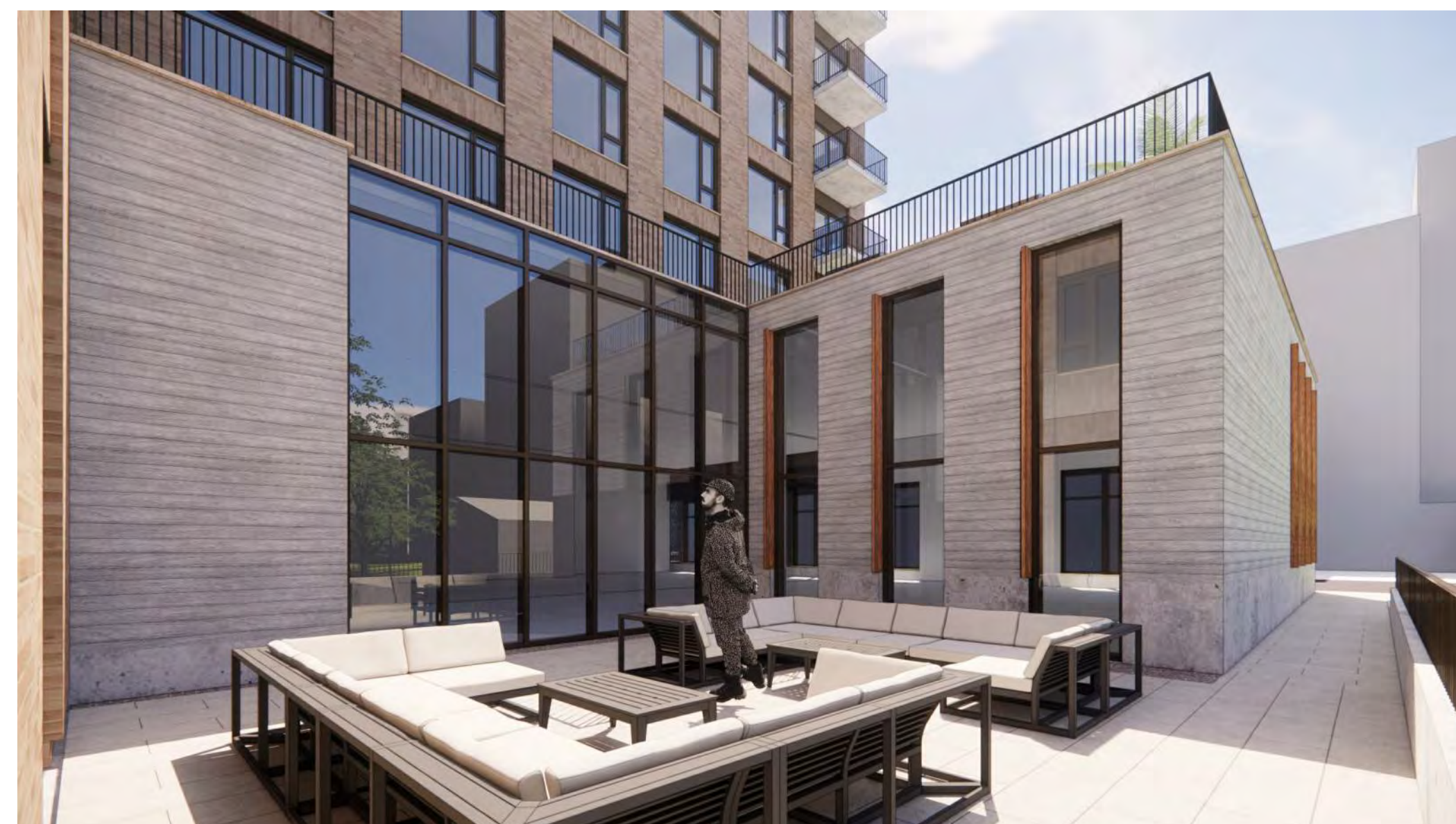
03. East Perspective



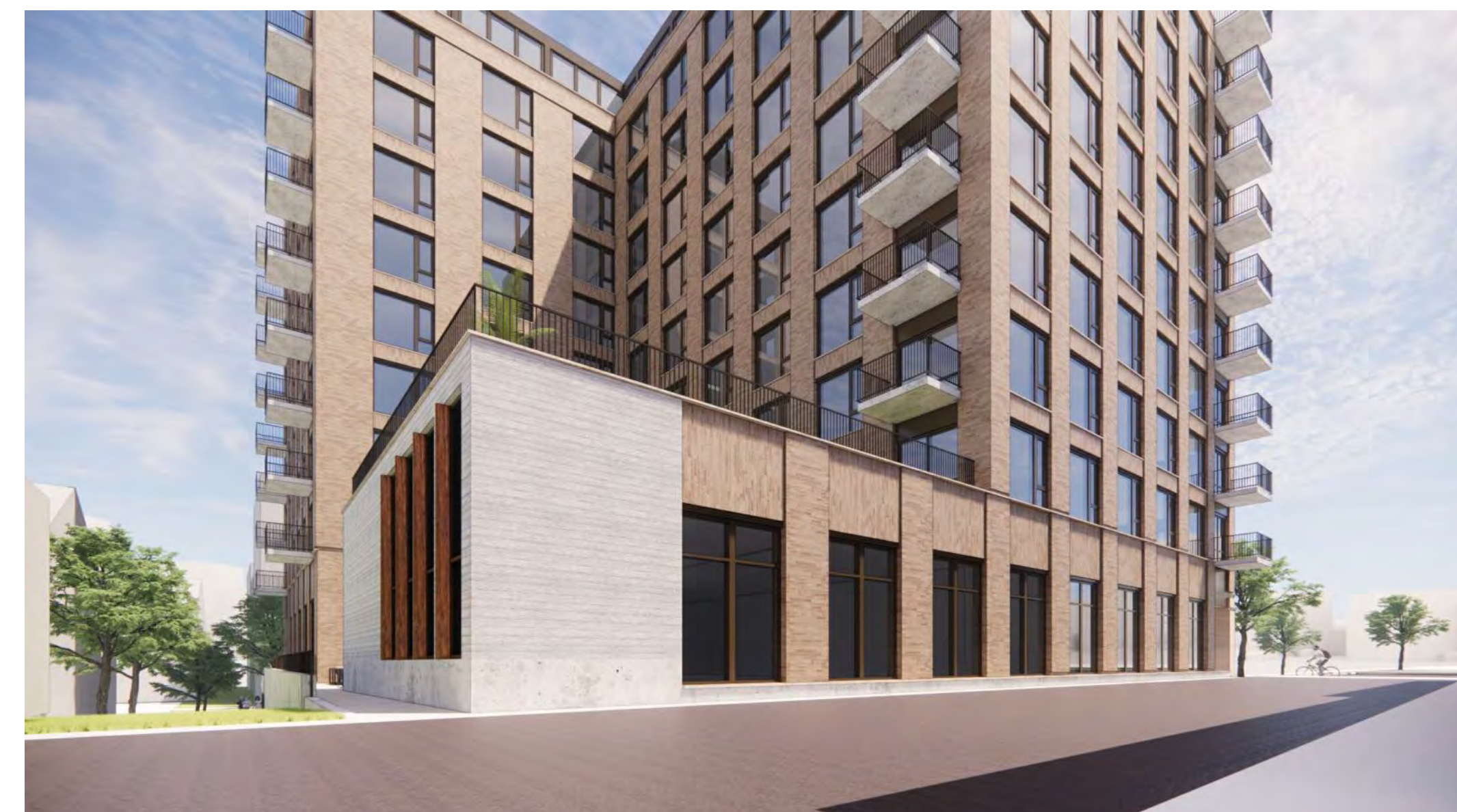
04. North-East Perspective



05. North Perspective



06. North-West Perspective



07. West Perspective

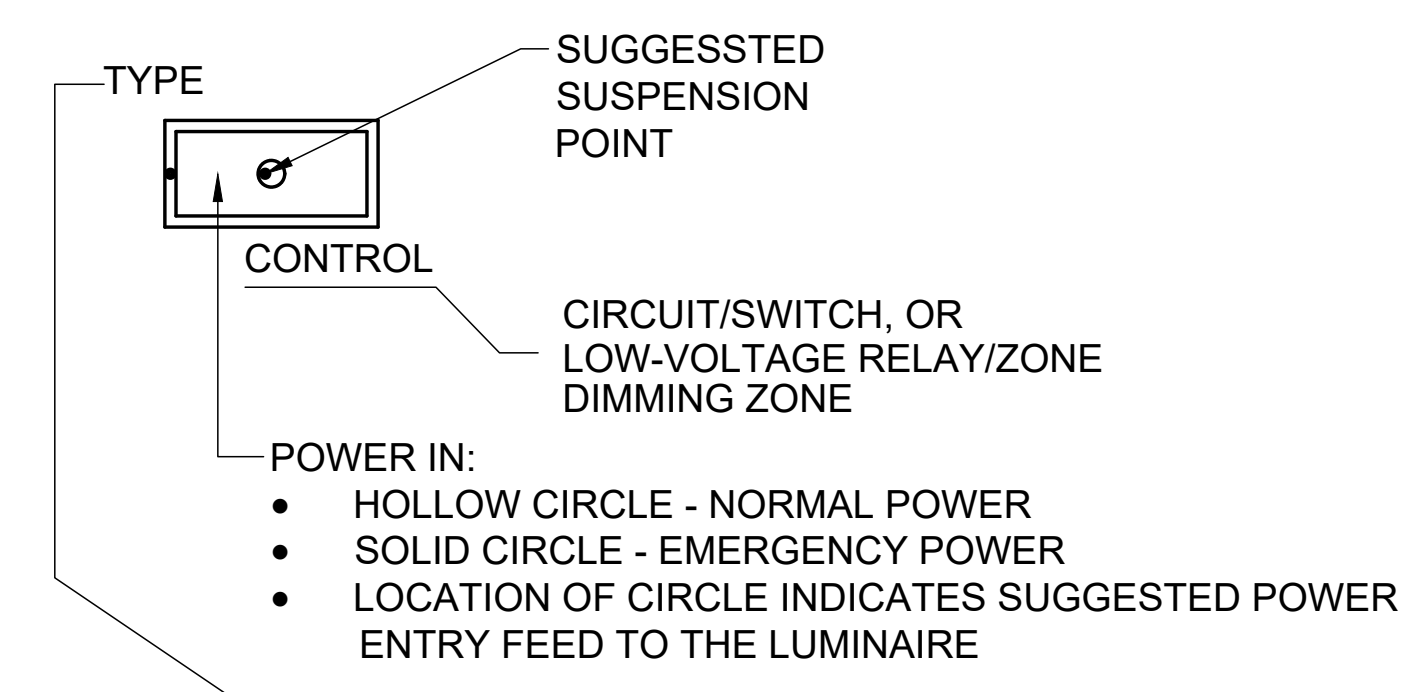
EXTERIOR LIGHTING

St. John's Lutheran Church 332 East Washington Avenue Madison, WI

September 26, 2022



100 Sunbridge Ln,
Buffalo Grove (Chicago), IL 60089.
Ph1: +1 312 994 2374,
mail@lightingergonomics.com

INDEX	LIGHTING LEGEND				
<p>LD100: COVER SHEET LIGHTING LD101: LOWER LEVEL LIGHTING PLAN LD102: FIRST FLOOR LIGHTING PLAN LD103: SECOND FLOOR LIGHTING PLAN LD104: TENTH FLOOR LIGHTING PLAN LD105: LIGHTING BUILDING FACADE LD106: LIGHTING SCHEDULES</p>	 <p>LUMINAIRE TYPE</p> <table border="1"> <thead> <tr> <th>TYPE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>LUMINAIRE</td> </tr> </tbody> </table> <p>===== RECESSED LINEAR LED PROFILE MOUNTING LOCATION: CEILING</p> <p>===== SUSPENDED LINEAR LED PROFILE MOUNTING LOCATION: CEILING</p> <p>— — SURFACE MOUNTED LINEAR LED PROFILE MOUNTING LOCATION: ARCHITECTURAL SOFFIT OR COVE UNDER CABINET</p> <p>— — WALL SURFACE MOUNTING LOCATION: WALL</p> <p>===== WALL RECESSED MOUNTING LOCATION: WALL</p> <p>○ PENDANT/SUSPENDED LUMINAIRE MOUNTING LOCATION: CEILING</p> <p>○ SURFACE MOUNTED DOWNLIGHT MOUNTING LOCATION: CEILING</p> <p>□ RECESSED DOWNLIGHT LUMINAIRE MOUNTING LOCATION: CEILING</p> <p>— TRACK MOUNTING LOCATION: AS NOTED</p> <p>⚡ TRACK HEAD MOUNTING LOCATION: TRACK</p>	TYPE	DESCRIPTION	L	LUMINAIRE
TYPE	DESCRIPTION				
L	LUMINAIRE				
GENERAL NOTES					
<ol style="list-style-type: none"> ALL THE SHEETS IN THIS DESIGN DEVELOPMENT MANUAL, UNLESS OTHERWISE MENTIONED, TO BE PLOTTED TO 30" X 42" SHEET REFER TO LIGHTING LEGEND ON THE SIDE FOR THE FIXTURE SYMBOL & ABBREVIATION INFORMATION. REFER TO SHEET LD106 FOR LUMINAIRE SCHEDULE ALL DIMENSIONS ARE IN INCHES & FOOT UNLESS OTHERWISE SPECIFIED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DO NOT SCALE THE DRAWING. ALL THE REFERENCED HEIGHTS ARE FROM FINISHED FLOOR TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED. FOR ALL THE LINEAR LUMINAIRES, EXACT LENGTH TO BE DERIVED FROM THE ARCHITECTURAL CONDITIONS WITHIN WHICH THEY ARE INSTALLED. PROVISIONS FOR THE REMOTE DRIVER SHALL BE MADE IN THE NEAREST ACCESSIBLE LOCATION FOR EASY MAINTENANCE. DISTANCE OF THE DRIVER FROM THE LUMINAIRE SHALL BE MAINTAINED AS PER MANUFACTURER'S RECOMMENDATIONS RELEVANT SERVICES DRAWINGS ARE TO BE READ SIMULTANEOUSLY AND PROVISION OF CUTOUTS / SLEEVES TO BE PROVIDED AS REQUIRED. ALL MANUFACTURERS CONTAINED WITHIN THIS MANUAL ARE PRESENTED TO DEFINE DESIGN DIRECTION AND PERFORMANCE. ALL FINAL SELECTIONS OF MANUFACTURERS SHALL BE AS SPECIFIED OR EQUAL. 					
OTHER SYMBOLS					
<p>◇ NOTE DESIGNATION</p> <p>① CONTROL NOTE</p>					



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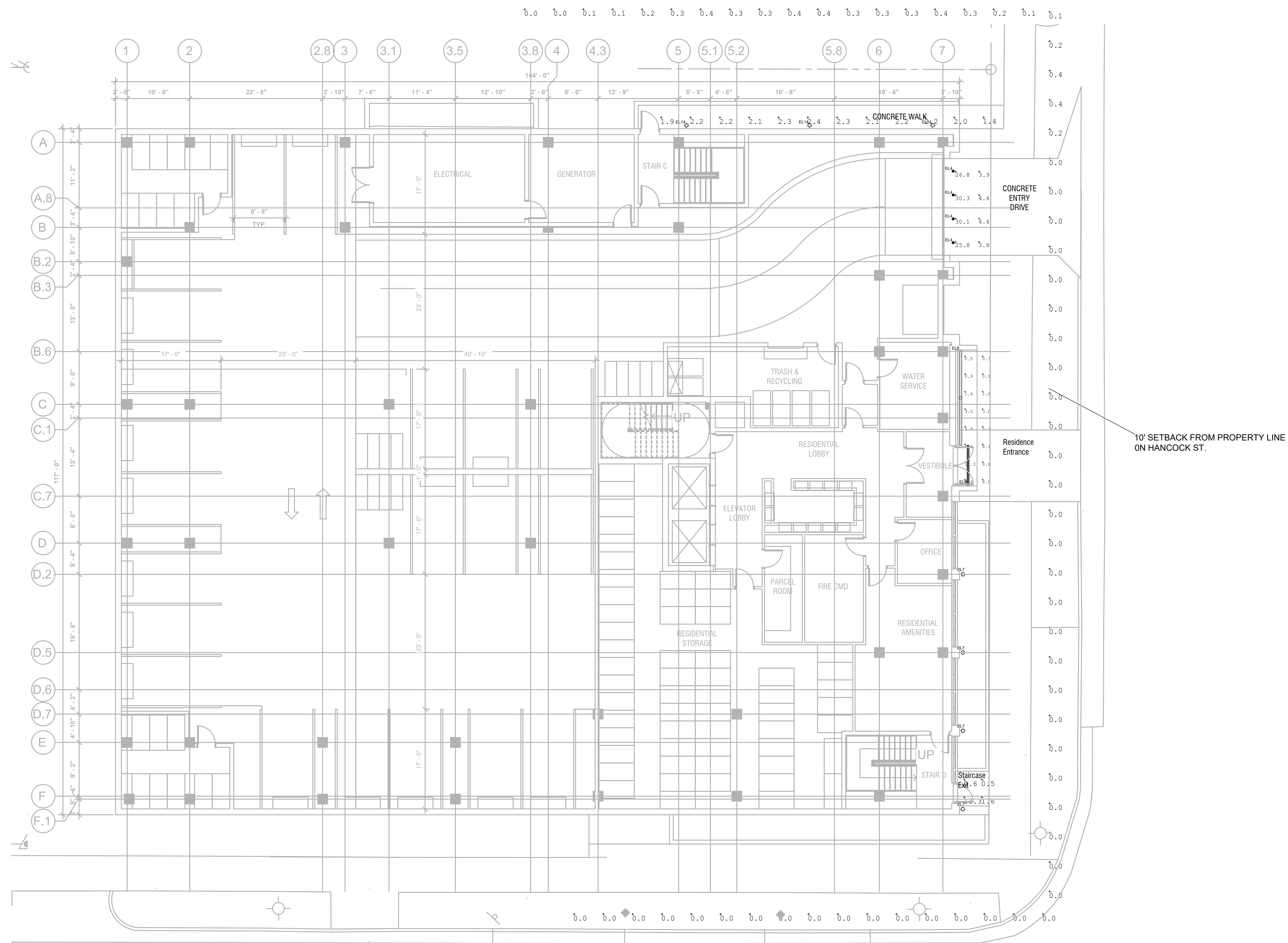
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COVER SHEET

LD100



10' SETBACK FROM PROPERTY LINE ON HANCOCK ST.

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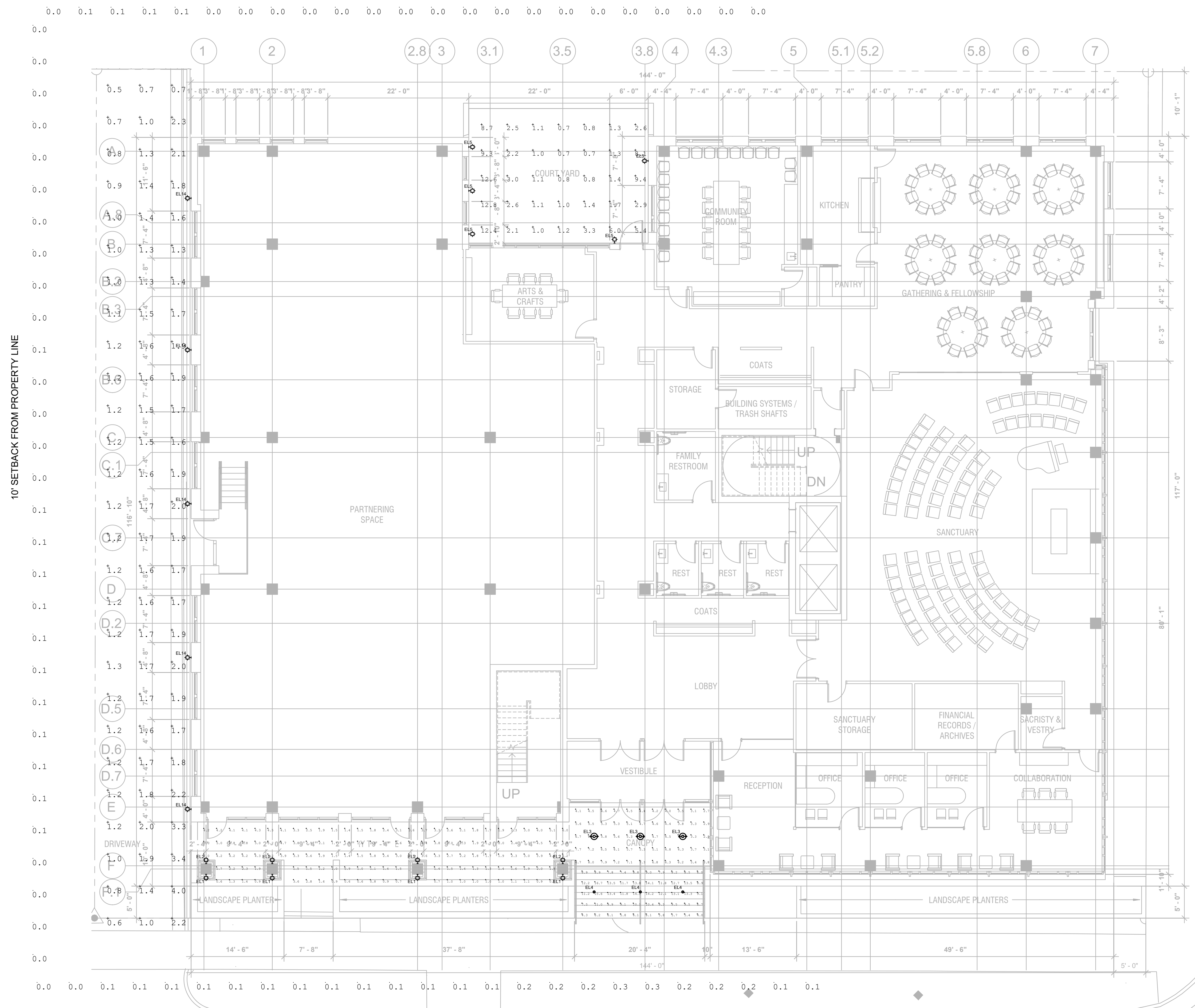
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Illumination Statistics (Footcandles)					
S.No.	Area Name	Average	Maximum	Minimum	Average / Minimum
1	LF ENTRANCE RES_Floor	4.99	11.30	0.50	9.98
2	LF CONCRETE WALK_Planar	2.11	2.40	1.40	1.51
3	LF STAIRCASE EXIT	4.00	13.30	0.50	8.00
4	LF ENTRY DRIVE_Planar	16.19	30.30	3.80	4.26
5	10' SETBACK REAR YARD	0.09	0.40	0.00	NA



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2021.09.00

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Illumination Statistics (Footcandles)					
S.No.	Area Name	Average	Maximum	Minimum	Average / Minimum
1	FF ENTRANCE TO CHURCH (CANOPY)	7.40	16.70	2.70	2.74
2	FF ENTRY TERRACE	2.58	6.80	0.50	5.16
3	FF DRIVE WAY ON SOUTH-WEST END	1.52	4.00	0.50	3.04
4	FF COURTYARD	3.57	12.80	0.70	5.10
5	10' SETBACK to PROPERTY LINE	0.06	0.30	0.00	N.A

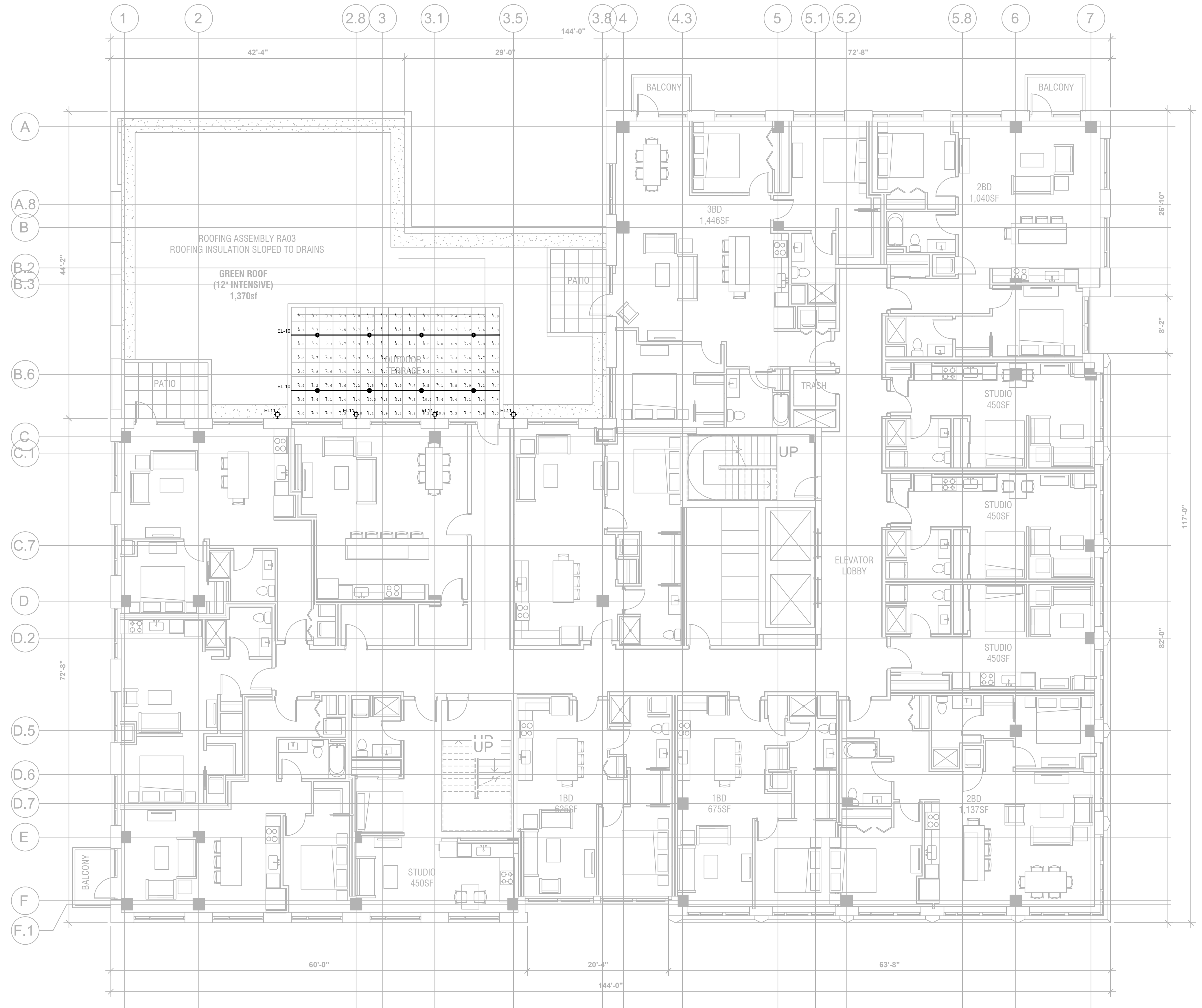
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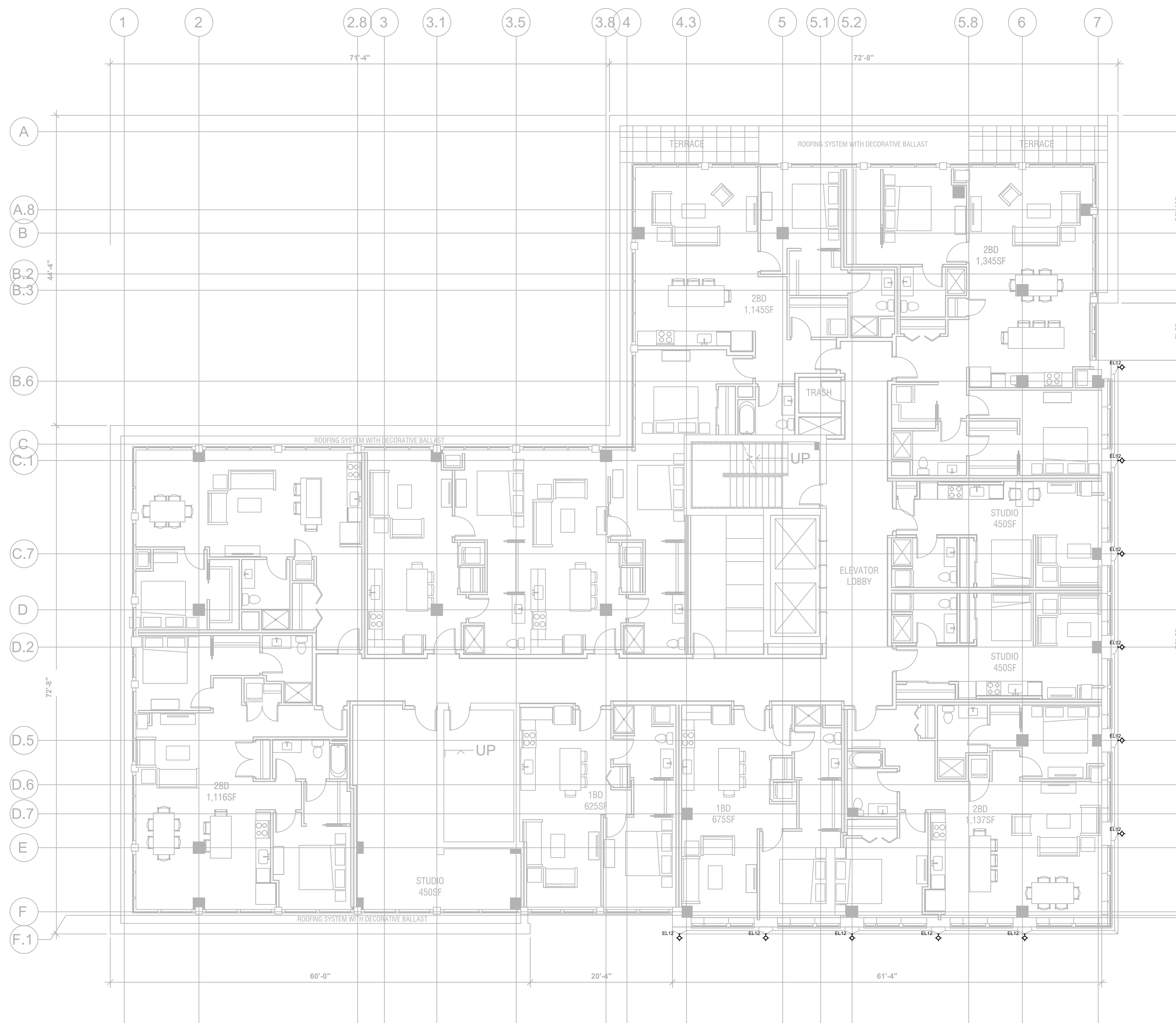
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2021.09.00

Date	Issuance/Revisions	Symbol
09/26/2022	LAND USE & UDC APPLICATION	



Illumination Statistics (Footcandles)					
S.No.	Area Name	Average	Maximum	Minimum	Average / Minimum
1	2F OUTDOOR TERRACE	5.54	10.80	1.90	2.92



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332 East Washington Avenue
Madison, WI

2021.09.00

Date	Issuance/Revisions	Symbol
09/26/2022	LAND USE & UDC APPLICATION	

**TENTH FLOOR
LIGHTING PLAN**

LD104

01 TENTH FLOOR LIGHTING PLAN
LD101 1/8" = 1'-0"



Fixture type EL13
installed recessed in the wall under the concrete structure of each of the private terraces. Light distribution will be indirect with complete concealment of light source by the extent of the terrace.

Fixture type EL13
installed recessed in the wall under the concrete structure of each of the private terraces. Light distribution will be indirect with complete concealment of light source by the extent of the terrace.



Fixture type EL12
installed as a surface mounted downlight at the top edge of the tower to light the vertical face of architecture.

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2021.09.00

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09/26/2022	LAND USE & UDC APPLICATION	

**LIGHTING
BUILDING FACADE**

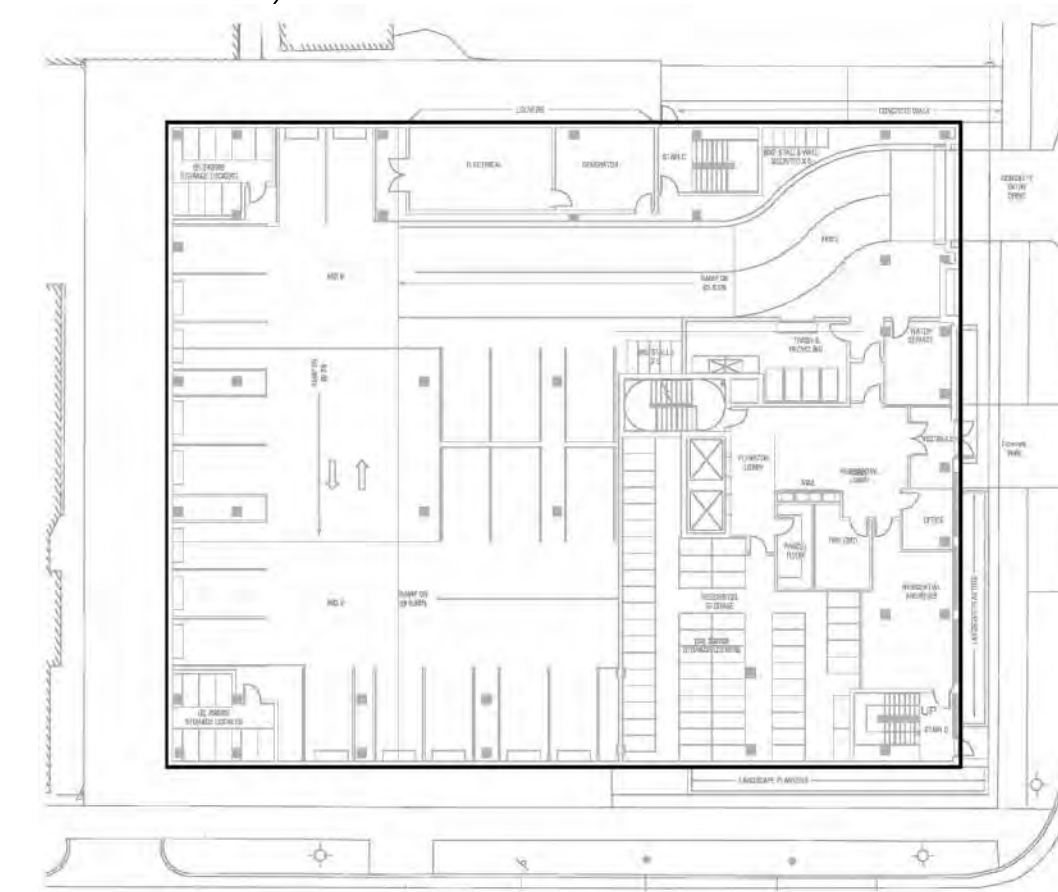
LD105

LUMINAIRE SCHEDULE

Luminaire Reference	Image	Where Fixtures are Proposed to be Used	Generic Luminaire Description: [Physical] [Mounting] [Profile/Shape] & [Function]	Reference Product	Wattage	Lumens
EL1		Partner Area Entrance Outward Columns	4-1/2"W x 11-3/8"H x 4-1/8"D Die-cast Aluminum with Tempered Glass Diffuser and Internal Power in Junction Box - Wall Mounted at 5' Above Entry Terrace Floor	Systemalux: COOL Series	24 Watts	950 Lumens
EL2		Partner Area Entrance Colonnade	4-1/2"W x 10-3/4"H x 2-1/2"D Die-cast Aluminum with Tempered Glass Diffuser and Power supply in Junction Box - Wall Mounted at 8' Above Entry Terrace Floor	Systemalux: POCKET Series	27.4 Watts	1886 Lumens
EL3		Church Entrance Above Doors	18"W x 36"H Aluminum Frame Surrounding a Stained Glass Pattern Mimicking the Church Window Stained Glass Colors and Geometric Pattern. Pendant Mount from Ceiling	VISA: Laterna Series	29 Watts	2500 Lumens
EL4		Church Entrance Above Stairway	4" Square Recessed Downlight with Black Trim Finish (Not Shown)	Systemalux: LOGO PRO SMALL Series	15 Watts	845 Lumens
EL5		Church Courtyard Walls	59-7/8"H x 4-18"W x 5"D Die-cast Aluminum and Extruded Marine Grade Aluminum Alloy with Matte Safety Glass Diffuser on Both Light Emitting Sides Wall Mounted at 30" AFG to Bottom of Fixture	BEGA: LED Wall Luminaire Series 44438	36 Watts	2123 Lumens
EL6	Not Used					
EL7		Church Courtyard Walkway	6-3/4"W x 6-1/4"H x 6-1/8"D Die-cast Aluminum with Tempered Glass Diffuser and Internal Power supply in Junction Box - Wall Mounted Above Garage Door at 7' AFG	Systemalux: LOFT Series with 13 Degree Beam Angle	21.5 Watts	1485 Lumens
EL8		Exterior Resident Entrance Textured Wooden Signage Accent	4.88"W x 6"D x 4' L Extruded Aluminum Recessed Wet Location Grazing Uplight with 10 x 60 Degree Optics and Glare reducing Louver	Insight: Medley In grade (MIG) Series	9 Watts/Foot	1386 Lumens/Foot
EL9		Resident Entrance Canopy	1-1/2"W x 3-3/4"H Extruded Aluminum Channel with Cold Rolled Sheet Steel Bracket Recessed Continuous Line of Light with 35 Degree Optics	Lumenwerx: VIA 1.5 Recessed Series	10.6 Watts/Foot	500 Lumens/Foot
EL10		Outdoor Terrace	6-15/16"H x 1" Diameter Marine Grade Aluminum Cylinder with Dynamic 10 - 60 Degree Zoom Optics	Bruck: Skyline Catenary Series	8 Watts	400 Lumens
EL11		Terrace Building Walls	15"H x 3-7/8"W x 5-1/4"D Cast Aluminum Body with Luminous Acrylic Upper Diffuser Wall Mounted at 6' AFF	VISA: OW2304 SCOPE Series	8 Watts	420 Lumens UP 420 Lumens DN
EL12		Exterior Rooftop Triangular Panel Accent	2.5" Diameter x 8.13"H Extruded Aluminum Wet Location Spotlight with Very Narrow Optics Mounted at Building Roof Parapet Wall	EcoSense: Rise Series F080 Single	11.5 Watts	744 Lumens
EL13		Individual Residential Unit Balcony Uplighting	14-3/8"W x 2"H x 2-7/8"D Die Cast Aluminum Housing for Indirect Ceiling Accent Light Wall Mounted at Above Door and Centered on Balcony	VISA: ESCAPE-OUTDOOR Series	9 Watts	450 Lumens
EL14		Exterior Path and Right of Way Alley	12-1/8"W x 5-11/32"H x 7"D Die Cast Aluminum Housing for Direct Downlight (Full Cut-Off) Wall Mounted at 10' AFG	Gardco: Wall Mount Trapezoidal Wedge Mini Sconce Series	19.5 Watts	1421 Lumens

CONNECTED LIGHTING LOAD FOR ILLUMINATING BUILDINGS AND STRUCTURE

GROUND LEVEL FLOOR PLAN WITH DARK LINE INDICATING LINEAR FOOTAGE OF BUILDING PERIMETER - 532 FT



LPD Calculations for the Building Facade Lighting

Luminaire Type	Location used on the project	Wattage	Quantity	Total Wattage
EL1	Partner Entrance Terrace Facing Outward	24 Watts	4	96 Watts
EL2	Partner Entrance Terrace Facing Inward	27.4 Watts	4	109.6 Watts
EL3	Building Entrance Doors	29 Watts	3	87 Watts
EL4	Building Entrance Stairway and Entry Drive	15 Watts	7	105 Watts
EL5	Church Court Yard Walls	30.4 Watts	5	152 Watts
EL6	Removed from Project			
EL7	Building West Wall Accent	21.5 Watts	4	86 Watts
EL8	Resident Entrance Uplighting for Signage	9 Watts/Foot	16 Feet	144 Watts
EL9	Recessed in Resident Entrance Canopy	10.6 Watts/Foot	12 Feet	127.2 Watts
EL10	Resident Terrace Seating Area	8 Watts	8	64 Watts
EL11	Resident Terrace Area Wall Lighting	8 Watts	4	32 Watts
EL12	Facade Panel Warm Downlight Accent at Rooftop	11.5 Watts	11	126.5 Watts
EL13	Uplight Emphasis on Ceilings of Residence Balconies (Not Shown on Plans)	9 Watts	39	351 Watts
EL14	North and West Wall Mounted Area Lighting	19.5 Watts	8	156 Watts
Project Total				1552.3 Watts

LIGHTING CONTROLS - DESIGN INTENT NARRATIVE

GENERAL DESCRIPTION:

PROVIDE CONTROLS AS REQUIRED BY LOCAL CODE.

PROVIDE PROGRAMMABLE LIGHTING MANAGEMENT SYSTEM (PLMS) FOR ALL THE SPACES IN THE SCOPE. THIS SYSTEM WILL BE CAPABLE OF AUTOMATED FUNCTIONS SUCH AS TIME OF THE DAY SCHEDULING, PHOTOCELL INPUTS AND OCCUPANCY SENSING. SYSTEM SHALL COMPRISE OF NETWORK AND DISTRIBUTED SYSTEM TO MINIMIZE THE 0-10 V CABLING AND FOR THE EASE OF INSTALLATION AND FUTURE MAINTENANCE. SYSTEM SHALL BE CAPABLE OF INTERFACING WITH THE BUILDING MANAGEMENT SYSTEM (BMS) IF REQUESTED BY THE OWNER.

PROVIDE SCENE-CONTROL SWITCHES AT LOCATIONS ACCESSIBLE TO STAFF ONLY FOR THE CONTROL OF LIGHTING IN COMMON AREAS.

PROVIDE VACANCY AND DAYLIGHT SENSOR-CONTROLLED LIGHTING TO MEET CODE REQUIREMENTS WHERE APPLICABLE.

PROVIDE EMERGENCY LIGHTING CIRCUITS TO SELECT FIXTURES TO MEET EGRESS LIGHTING CODE REQUIREMENTS. LIGHT FIXTURES SYMBOLS WITH SOLID FILL ARE THE SUGGESTED FIXTURES THAT COULD BE CIRCUITED WITH EMERGENCY POWER.

GENERAL SEQUENCE OF OPERATION:

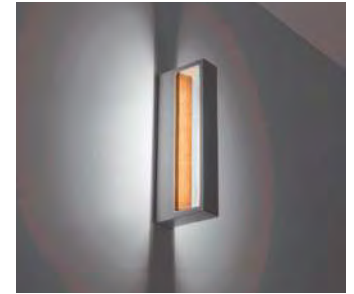
Exterior Façade	<ul style="list-style-type: none"> Astronomical time-clock function as part of central controller/processor Photocell Key-pad wall station located in a location accessible to staff but out of sight of the Guests/Residents 	<ul style="list-style-type: none"> Photocell control will allow for automatic operation of nocturnal emphasis lighting while the time-clock function will extinguish exterior lighting per city ordinance restrictions
Exterior Site & Landscape	<ul style="list-style-type: none"> Astronomical time-clock function as part of central controller/processor Photocell Key-pad wall station located in a location accessible to staff but out of sight of the Guests/Residents 	<ul style="list-style-type: none"> Photocell control will allow for automatic operation of nocturnal emphasis lighting while the time-clock function will extinguish exterior lighting per city ordinance restrictions

Project name: _____

Type: _____



4" Junction box



Single gang box

Wall mounted luminaire with asymmetric light distribution that provides ambient light on vertical surfaces. Suitable for exterior applications.

Luminaire characteristics:

Power input: 13.5W

Lumens: 485 lm (delivered for 3000K)

Luminaire efficacy: 36 lm/W (for 3000K)

Source: White LED, LM80 tested.

3000K: 90CRI

4000K: 90CRI

Lumen maintenance: 70% of initial lumens at 50 000 hours (L70) LM-79 tested.

Optics: Accent light.

Mounting: See mounting options on page 2.

Material:

Body: Die-cast aluminum and oiled teak wood.

Diffuser: Toughened glass.

Electrical: Universal high efficiency electronic power supply, rated at 50 000 hours, 120-277V. See page 3 for remote power supply options.

Finish: White or burnished bronze.

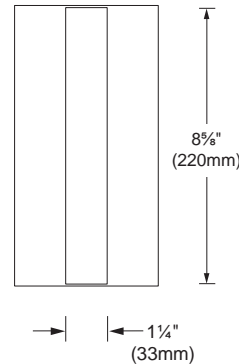
Weight: 1.37lbs (0.62kg).

Warranty: 5 year limited warranty.

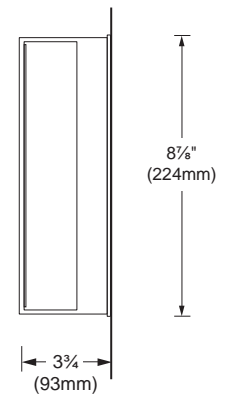
Certification: cULus listed for wet location.

Ratings: IP54, IK06

4 1/2" (114mm)



FRONT VIEW



SIDE VIEW

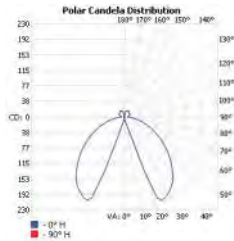
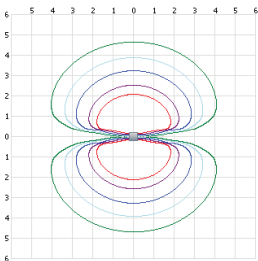
Project name: _____

Type: _____

TECHNICAL DATA

Nominal data shown. Visit sistemalux.com for complete photometric data.

LOAD (W)	CCT (K)	CRI	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODEL
13.5W	3000K	90	Accent light	485	36	225	S.L9231W

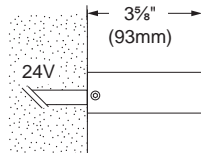


Mounting Height: 1ft
Grid scale 1 : 1ft

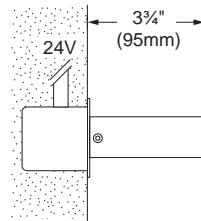
3000K - 90 CRI - Accent light

SURFACE MOUNTING OPTIONS

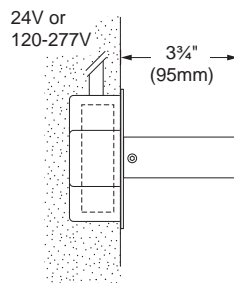
DF-REM - Direct feed with remote power supply. Connections made inside fixture (14-18AWG). Rigid or flexible conduit up to Ø1" cabtire, romex or bx. Installed directly to surface.



J2-REM - 2" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/8" (48mm) deep



JB-UNV - 4" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep



JB-REM - 4" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

Project name: _____

Type: _____

ORDERING INFO

MODEL	MOUNTING	VOLTAGE	FINISH
<input type="radio"/> S.L9231W - 3000K <input type="radio"/> S.L9231N - 4000K	<input type="radio"/> DF - Surface mounted with direct feed <input type="radio"/> JB - Surface mounted with Jbox <input type="radio"/> J2 - Surface mounted with single gang box	<input type="radio"/> UNV - 120-277V <input type="radio"/> REM - 24V remote power supply	<input type="radio"/> 01 - White <input type="radio"/> 20 - Burnished bronze

REMOTE POWER SUPPLY OPTIONS (TO BE ORDERED SEPARATELY)
Requirement for one (1) fixture: 12W, 24VDC

<input type="radio"/> 4444-0024-025-UNV-ND	<input type="radio"/> 4545-0024-075-UNV-ND	<input type="radio"/> 4448-0024-150-UNV-D10
<input type="radio"/> 4549-0024-075-UNV-D10	<input type="radio"/> 4551-0024-080-120-LTE	<input type="radio"/> 4546-0024-200-2C-UNV-ND

REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

Watts	Min-Max	Voltage	Rated	Dimming protocol	Box dimensions	Max distance 18AWG	Code
25	1-2	120-277V	Indoor	None	6" X 4" X 3" (152 X 102 X 76mm)	30ft (9m)	4444-0024-025-UNV-ND
150	1-12	120-277V	Indoor	0-10V	10" X 8" X 4" (254 X 203 X 102mm)	25ft (7.5m)	4448-0024-150-UNV-D10
75	1-6	120-277V	Outdoor	0-10V	14¼" X 5" X 3¼" (362 X 127 X 83mm)	30ft (9m)	4549-0024-075-UNV-D10
75	1-6	120-277V	Outdoor	None	11¼" X 3" X 1¾" (285 X 75 X 42mm)	30ft (9m)	4545-0024-075-UNV-ND
80	1-5 (3-5 for DIM)	120V	Outdoor	Leading and trailing edge (ELV and TRIAC)	14" X 5" X 2" (356 X 127 X 51mm)	30ft (9m)	4551-0024-080-120-LTE
200	2-8 Per channel (MAX 16)	120-277V	Outdoor	None	12" X 4½" X 2¾" (305 X 114 X 60mm)	30ft (9m) Per channel	4546-0024-200-2C-UNV-ND

Project name: _____

Type: _____



4" Junction box



Single gang box

Wall mounted luminaire with asymmetric light distribution that provides ambient light on vertical surfaces. Suitable for exterior applications.

Luminaire characteristics:

Power input: 24W

Lumens: 950 lm (delivered for 3000K)

Luminaire efficacy: 39 lm/W (for 3000K)

Source: LED module, LM-80 tested.

3000K : 90CRI.

4000K : 90CRI.

Lumen maintenance: 70% of initial lumens at >50 000 hours (L70), LM79 tested.

Optics: Accent light.

Mounting: See mounting options on page 2.

Material:

Body: Die-cast aluminum.

Diffuser: Toughened glass.

Electrical: Universal high efficiency electronic power supply, rated at 50 000 hours, 120-277V. See page 3 for remote power supply options.

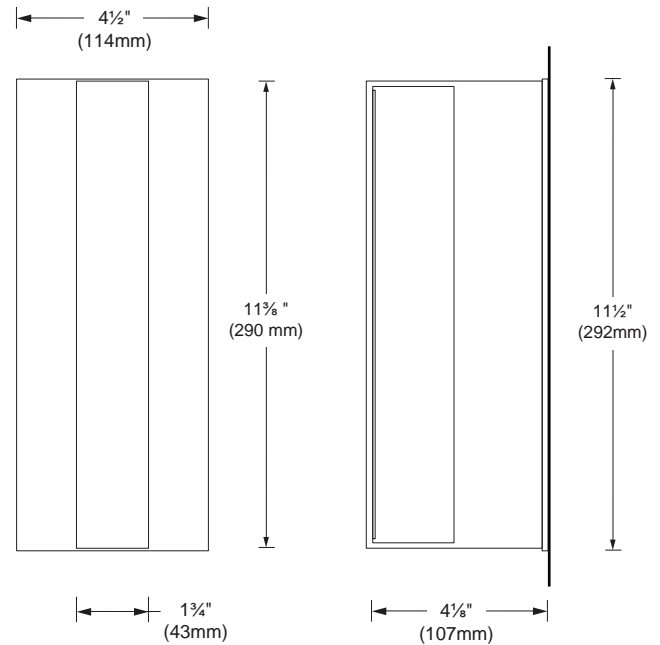
Finish: White or Aluminum gray.

Weight: 2.80lbs (1.27kg).

Warranty: 5 year limited warranty.

Certification: cULus listed for wet location.

Ratings: IP54, IK06



FRONT VIEW

SIDE VIEW

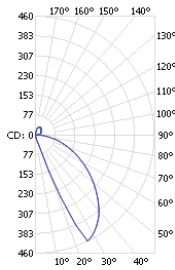
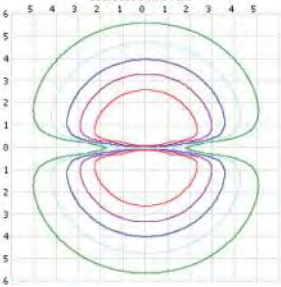
Project name: _____

Type: _____

PHOTOMETRIC DATA

Visit sistimalux.com for complete photometric data.

LOAD (W)	CCT (K)	CRI	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODEL
24W	3000K	90	Accent light	950	39	455	S.7270W

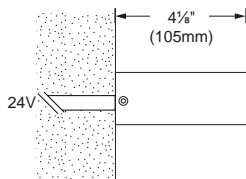


5 fc 0.5 fc Mounting Height: 1ft
2 fc 0.25 fc Grid scale 1 : 1ft
1 fc

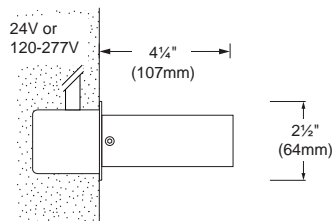
3000K - 90 CRI - accent light

SURFACE MOUNTING OPTIONS

DF-REM - Direct feed with remote power supply. Connections made inside fixture (14-18AWG). Rigid or flexible conduit up to Ø1" cabtire, romex or bx. Installed directly to surface.

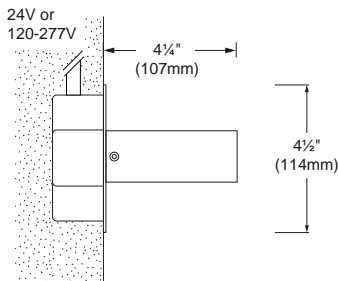


J2-UNV - 2" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1 1/8" (48mm) deep



J2-REM - 2" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/8" (48mm) deep

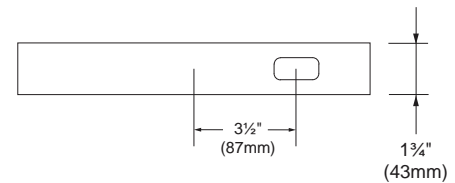
JB-UNV - 4" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep



JB-REM - 4" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

FEED POSITION

The feed is located 3 1/2" (87mm) from the center of the fixture. Refer to instruction sheet for more precise mounting details.



FRONT VIEW

Project name: _____

Type: _____

ORDERING INFO

MODEL	MOUNTING	ELECTRICAL	FINISH
<input type="radio"/> S.7270W - 3000K <input type="radio"/> S.7270N - 4000K	<input type="radio"/> DF - Surface mounted with direct feed <input type="radio"/> JB - Surface mounted with junction box <input type="radio"/> J2 - Surface mounted with single gang box	<input type="radio"/> UNV - 120-277V <input type="radio"/> REM - 24V remote power supply	<input type="radio"/> 01 - White <input type="radio"/> 14 - Aluminum gray

REMOTE POWER SUPPLY OPTION (TO BE ORDERED SEPARATELY)
 Requirement for one (1) fixture: 22W, 24VDC (Remote fixture only)


<input type="radio"/> 4444-0024-025-UNV-ND	<input type="radio"/> 4545-0024-075-UNV-ND	<input type="radio"/> 4448-0024-150-UNV-D10
<input type="radio"/> 4549-0024-075-UNV-D10	<input type="radio"/> 4551-0024-080-120-LTE	<input type="radio"/> 4546-0024-200-2C-UNV-ND

**REMOTE POWER SUPPLY OPTION
(TO BE ORDERED SEPARATELY)**

Watts	Min-Max	Voltage	Rated	Dimming protocol	Box dimensions	Max distance 18AWG	Code
25	1	120-277V	Indoor	None	6" X 4" X 3" (152 X 102 X 76mm)	30ft (9m)	4444-0024-025-UNV-ND
75	1-3	120-277V	Outdoor	0-10V	14¼" X 5" X 3¼" (362 X 127 X 83mm)	30ft (9m)	4549-0024-075-UNV-D10
75	1-3	120-277V	Outdoor	None	11¼" X 3" X 1¼" (285 X 75 X 42mm)	30ft (9m)	4545-0024-075-UNV-ND
80	1-3 w/o dim 2-3 w/ dim	120V	Outdoor	Leading and trailing edge (ELV and TRIAC)	14" X 5" X 2" (356 X 127 X 51mm)	30ft (9m)	4551-0024-080-120-LTE
150	1-6	120-277V	Indoor	0-10V	10" X 8" X 4" (254 X 203 X 102mm)	27ft (8m)	4448-0024-150-UNV-D10
200	1-4 Per channel MAX 8	120-277V	Outdoor	None	12" X 4½" X 2⅝" (305 X 114 X 60mm)	30ft (9m) Per channel	4546-0024-200-2C-UNV-ND



With its uniform light distribution and its rounded and thin profile, Pocket draws a gentle balance between shapes and light. The elegant and sober lines that characterize the whole range are further enhanced by the easy clip-on system and no visible screws. A surface mounted wall fixture with a minimalistic square and rectangular design that is able to blend into every architectural context.

Luminaire characteristics:	Power input: 9.9W to 27.4W (system wattage) Lumens: 682lm to 1886lm (for 3000K, 90CRI) Luminaire efficacy: Up to 70lm/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 3
Electrical:	High efficiency electronic power supply, rated at 50 000 hours, 120-277V. For Mini model, See remote LED driver options on page 7.
Dimming	0-10V down to 10% (120-277V), for Mini model see page 7 for available remote options.
Finish:	White, aluminum or anthracite gray (RAL7022) 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:	Minipocket: 2.84lb (1.29kg) Pocket: 4.38lb (1.99kg) Rectangular pocket: 4.40lb (2kg)
Warranty:	5 year limited warranty.
Ratings:	IP65, IK08
Certification:	 cULus listed for wet location

DIMENSIONS

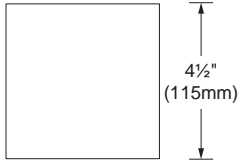
Mini Pocket
S1851



DF-REM



TOP VIEW



4 1/2"
(115mm)

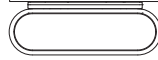
FRONT VIEW



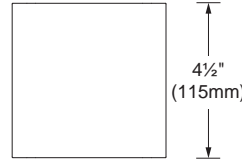
1 1/2"
(40mm)

SIDE VIEW

JB-REM



TOP VIEW



4 1/2"
(115mm)

FRONT VIEW



1 3/4"
(43mm)

SIDE VIEW

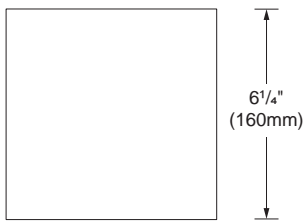
Pocket
S1861



JB-UNV



TOP VIEW



6 1/4"
(160mm)

6 1/4"
(160mm)

FRONT VIEW



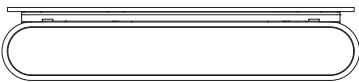
1 7/8"
(48mm)

SIDE VIEW

Pocket Rectangular
S1871



J2-UNV



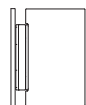
TOP VIEW



2 7/8"
(73mm)

10 3/4"
(275mm)

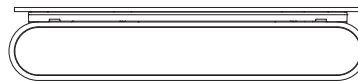
FRONT VIEW



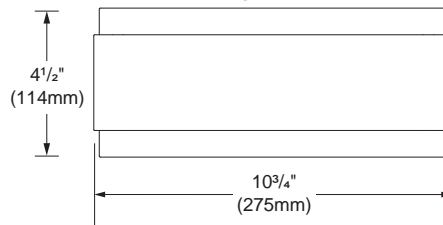
2 1/4"
(56mm)

SIDE VIEW

JB-UNV



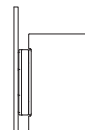
TOP VIEW



4 1/2"
(114mm)

10 3/4"
(275mm)

FRONT VIEW

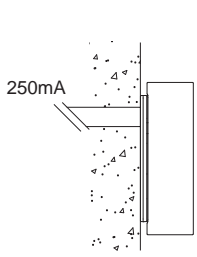


2 1/4"
(56mm)

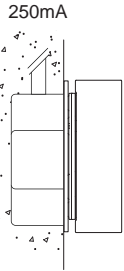
SIDE VIEW

MOUNTING OPTIONS

Mini Pocket
S1851



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

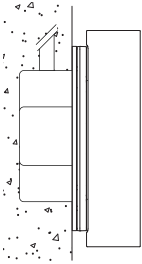


JB-REM - 4" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1½" (38mm) deep

Pocket
S1861



120- 277V

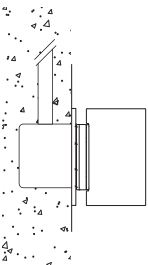


JB-UNV - 4" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1½" (38mm) deep

Pocket Rectangular
S1871

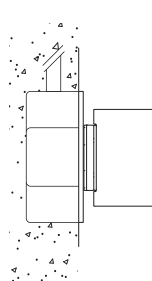


120-277V



J2-UNV - 2" single gang box with integral power supply. Mounting adapter plate for junction box installation. Min 1½" (48mm) deep

120-277V



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

PHOTOMETRIC DATA

Visit sistimalux.com for complete photometric data.

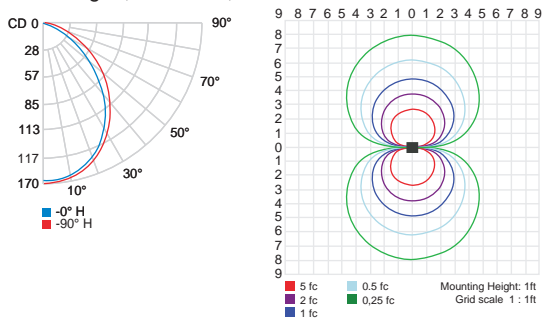
Minipocket



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	9.9W	Accent light	682	68	166	S1851W

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption. Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports.

Accent light (3000K, 90CRI)



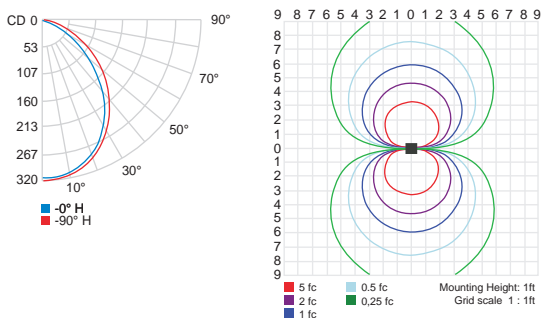
Pocket



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	19.4W	Accent light	1 362	70	312	S1861W

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports.

Accent light (3000K, 90CRI)



CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	90CRI
Multiplier	0.92	1	1.04

PHOTOMETRIC DATA

Visit sistemalux.com for complete photometric data.

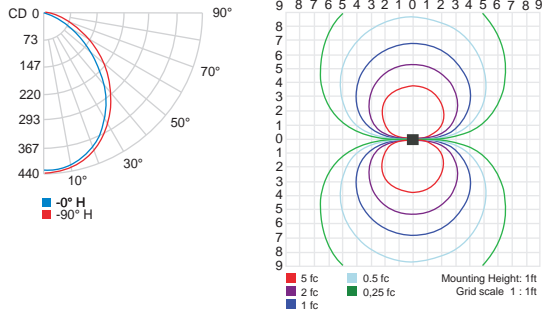
Pocket Rectangular



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	27.4W	Accent light	1 886	68	437	S1871W

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports.

Accent light (3000K, 90CRI)



CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	90CRI
Multiplier	0.92	1	1.04

ORDERING INFO

— — — —
FIXTURE

MODEL

- S1851** - Minipocket **S1861** - Pocket **S1871** - Pocket rectangular

LED

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

MOUNTING

- FW** - Surface mounted with fixture whip ⁽¹⁾ **JB** - Surface mounted junction box **J2** - Surface mounted single gang box ⁽²⁾

VOLTAGE

- UNV** - 120-277V ⁽³⁾ **REM** - Remote ⁽¹⁾

FINISH

- 01** - White **14** - Aluminum **24** - Anthracite gray

DIMMING

- D10** - 0-10V

⁽¹⁾ Available with Mini Pocket (S1851).

⁽²⁾ Available with Pocket rectangular (S1871).

⁽³⁾ Available with Pocket (S1861) and Pocket rectangular (S1871).

REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

							Minipocket S1851 9.9W*
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimension	Max distance**	Min-max units
<input type="checkbox"/> 4443-0250-013-120-D3							
13	120V	Indoor	Lutron Hi Lume® 1% 2-wire (120V forward phase only, TRIAC)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft(9m)	1
<input type="checkbox"/> 4448-0250-057-UNV-SD10							
57	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft(36m)	1-4, 4ch max 1/ch
<input type="checkbox"/> 4549-0250-057-UNV-SD10							
57	120-277V	Outdoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	14.5" X 5" X 3.5" (368 X 127 X 89mm)	118ft(36m)	1-4, 4ch max 1/ch
<input type="checkbox"/> 4444-0250-010-120-LTE							
10	120V	Indoor	leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)	1
<input type="checkbox"/> 4549-0250-013-UNV-ED10							
13	120-277V	Outdoor	0-10V ELDOLED ECOdrive	Down to ±1%	14.5" X 5" X 3.5" (368 X 127 X 89mm)	118ft(36m)	1
<input type="checkbox"/> 4548-0250-010-UNV-D10							
10	120-277V	Outdoor	0-10V	Down to ±10%	6" x 4.5" x 3" (152 x 114 x 76mm)	30ft(9m)	1
<input type="checkbox"/> 4444-0250-010-UNV-D10							
10	120-277V	Indoor	0-10V	Down to ±10%	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)	1
<input type="checkbox"/> 4450-0250-013-UNV-ED10							
13	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" X 8" X 4" (243 X 243 X 89mm)	118ft(36m)	1

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

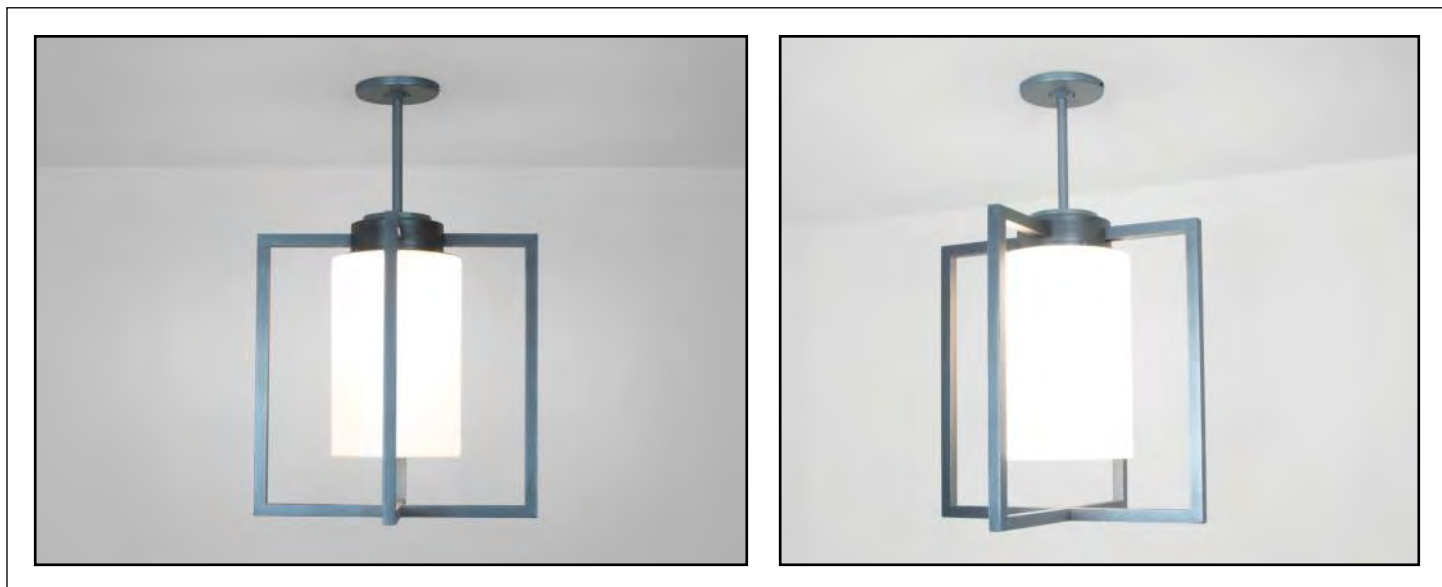
OP3634 LATERNA

Stem Suspension



VisaLighting.com/products/Laterna

Type: _____ Project: _____ Location: _____



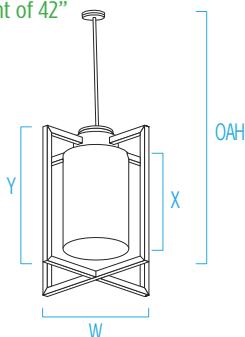
DIMENSIONS⁴

OAH MUST BE SPECIFIED

W = Width OAH = Overall Height X = Body Height
 Y = Diffuser Height WT = Weight MAX OAH = Maximum Overall Height

OAH is the distance (in inches) from the bottom of the fixture to the ceiling plane. Example - OAH(42) indicates an overall fixture height of 42"

W	17-1/2"	(445 mm)
OAH	42"	(1067 mm)
MAX OAH	114"	(2896 mm)
X	19-1/8"	(486 mm)
Y	12-1/4"	(311 mm)
WT	15 lbs	

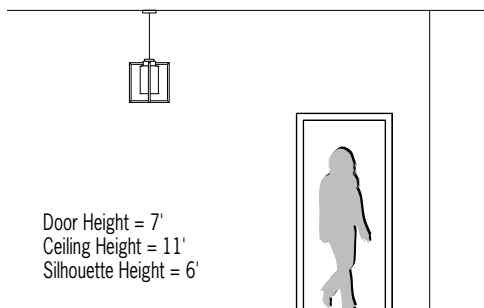


Stem weight = 0.1 lb/in, to determine hanging weight, add or subtract this weight from the standard OAH Weight

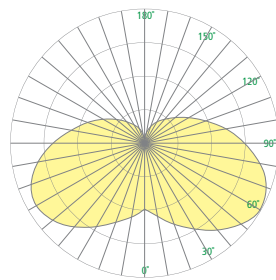
FEATURES

- High and low lumen output
- Integral driver
- Mounts to standard electrical junction box (by others) for sloped ceiling up to 45 degrees from horizontal
- Aluminum weldment cage; cast aluminum mounting component
- **Top tether option. Cables connecting fixtures to each other or to structural elements are to be designed by a qualified structural engineer**
- Matte white acrylic diffuser or optional frosted translucent acrylic diffuser; UV stable; UL-94 Flame Class rated
- No VOC powder coat finish; 16 color options
- ETL listed for wet locations

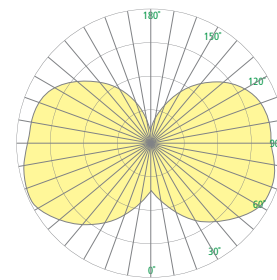
RELATIVE SCALE DRAWING



PHOTOMETRICS



Frosted Cylinder



White Cylinder



ETL Listed

5 Year Warranty

OP3634 LATERNA (cont.)

Stem Suspension

Fill in shaded boxes using information listed below

OP3634		MVOLT				
MODEL	SOURCE¹ L30K(H) L30K(L) L35K(H) L35K(L) L40K(H) L40K(L)	VOLTAGE MVOLT	FINISH See last page for finish order codes	DIFFUSER OPTION² FRST Cylinder is white acrylic if no option is selected	TETHER OPTION³ TH	OAH⁴ See page 1

SOURCE¹ (Select one)

Dimmable 0-10V to 1%, Minimum 80CRI, within 3-step MacAdam

Source	CCT	Delivered Lumens		Power (Watts)
		White Cylinder	Frosted Cylinder	
L30K(H)	3000K	2400	2900	29
L30K(L)	3000K	1500	1900	18
L35K(H)	3500K	2500	3000	29
L35K(L)	3500K	1600	1900	18
L40K(H)	4000K	2500	3000	29
L40K(L)	4000K	1600	1900	18

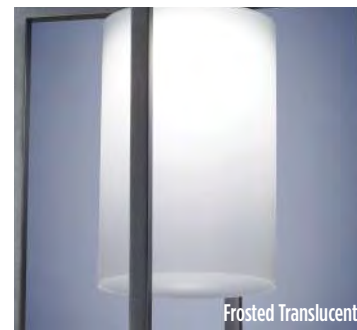
VOLTAGE

MVOLT	120-277V, 50/60 Hz
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DIFFUSER OPTION²

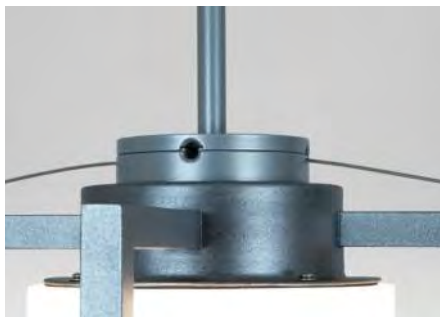
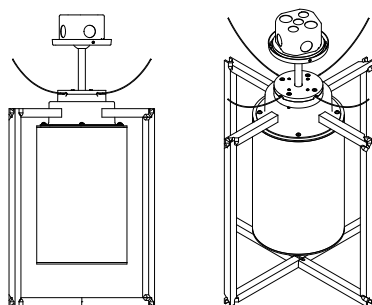
Cylinder is matte white if no option is selected

FRST	Frosted translucent cylinder
-------------	------------------------------



TETHER OPTION³

TH Top tether option; four 15' cable tethers included



Tether Option Cap



OP3634 LATERNA (cont.)

Stem Suspension



LATERNA PRODUCT FAMILY

- OP3630 – Cord and Cable Suspension
- OP3632 – Catenary Suspension
- OP3634 – Stem Suspension

SUGGESTED VARIATIONS

- Remote driver
- Custom colors

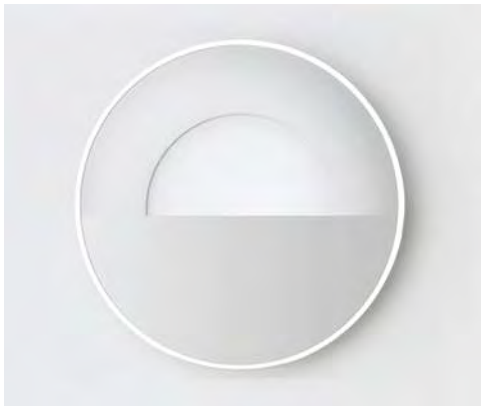
See [Visalighting.com/products/Laterna](https://visalighting.com/products/Laterna) for more information

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 Silver	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	VLBK Velvet Black	VNRD Vineyard Red



Collection of specification grade downlights for architectural applications. Excellent build quality with features for the most demanding professional applications. Title 24 - JA8 versions available in two sizes 3", 4" aperture with generous light outputs and excellent chromatic performance. Professional optics available with general downlight or directional distribution.

Luminaire characteristic:

Power input: 11W, 15W or 20.5W
Lumens: 620lm to 1180lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 57lm/W

Source: COB LED module (LM-80)
2700K: 90CRI,
3000K: 90CRI,
3500K: 90CRI,

Lumen maintenance: 90% of initial lumens at 50 000 hours (L90) (LM-79),
80% of initial lumens at 100 000 hours (L80) (LM-79).

Optic: **Fixed:** Deep recessed reflector available with spot or flood optic.
Adjustable: Deep recessed reflector available with spot or flood optic. Optical assembly hot aiming adjustment: 30° tilt and 359°pan.

Material: Body: Die-cast aluminum optical assembly
Reflector: Metalized polycarbonate
Baffle: Painted polycarbonate

Mounting: New construction with housing for insulated ceiling, chicago plenum and airtight applications (page 3).

Electrical: Integral high efficiency power supply rated at 50 000 hours, 120V or 120-277V.

Dimming: D01: 0-10V (120-277V), down to 1%.
D3: Lutron Hi-lume® 1% 2-wire leading (TRIAC) edge (120V only), down to 1%.

Finish: Powder coated body and baffle (page 2).

Weight: 2.55lbs (1.16kg).

Warranty: 5 year limited warranty.

Rating: IP54

Certification: cULus listed for damp location. Interior use only.



Title 24-JA8-2019 high efficiency luminaire. Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.

To confirm which versions are certified, please consult the "Appliance Advanced Search" option at the following address :
<https://cacertappliances.energy.ca.gov>

ORDERING INFO

LOG4 T AT - _____
FIXTURE

BI - LOG4 T - AT - _____
HOUSING



MODEL

- R - Round S - Square

MOUNTING

- T - Trim

INSTALLATION

- AT - Airtight housing⁽¹⁾

OUTPUT

- E - High efficiency (11W) B - Base output (15W) H - High output (20.5W)

LED*

- 927 - 2700K, 90CRI 930 - 3000K, 90CRI 935 - 3500K, 90CRI

OPTIC

- FSP - Fixed, spot 23° FFL - Fixed, flood 39° ASP - Adjustable, spot 23° AFL - Adjustable, flood 39°

VOLTAGE

- 120 - 120V UNV - 120-277V

FINISH (trim finish / baffle finish)

White trim

- 01 - White / white
 21 - White / black
 13 - White / matte anodized⁽⁹⁾

Gray trim

- 20 - Gray / white
 22 - Gray / black
 03 - Gray / matte anodized⁽⁹⁾

Black trim

- 23 - Black / white
 02 - Black / black
 33 - Black / matte anodized⁽⁹⁾



DIMMING

- D01 - 0-10V (down to 1%) D3 - Lutron Hi Lume® 1% 2-wire (120V forward phase only)

⁽¹⁾ Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.
* Dimming levels will vary depending on the dimmer used and the number of luminaires on the line.

ACCESSORY
(TO BE ORDERED SEPARATELY)

- 9001-02 - Black hex cell louver

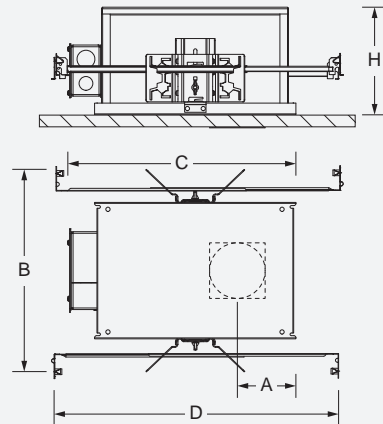


INSTALLATION

New construction with airtight (AT) housing.

Housing with hanger bars system for new construction installations.
Suitable for insulated ceiling, chicao plenum and airtight applications.
Housing can be shipped separately.

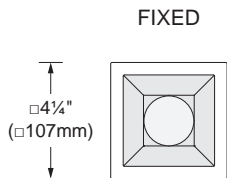
Ceiling thickness: 1/8" to 7/8" (3mm - 22mm)
Total weight: 10.2lbs (4.63kg)



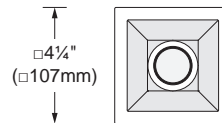
Model	Plaster frame	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
LOG4R	BI-LOG4RT-AT-XXX	Ø4" (Ø100mm)	3 3/4" (95mm)	12 3/4" x 14 3/8" (324 x 365mm)	14 1/4" to 26" (362 to 660mm)	7 1/2" (190mm)
LOG4S	BI-LOG4ST-AT-XXX	3 7/8" x 3 7/8" (97 x 97mm)				

DIMENSIONS

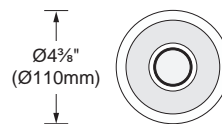
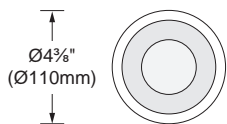
SQUARE TRIM MODEL



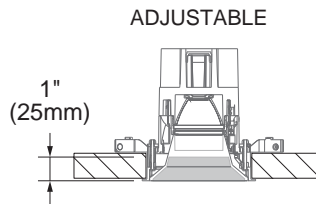
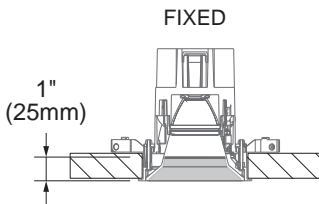
ADJUSTABLE



ROUND TRIM MODEL



BAFFLE DEPTH

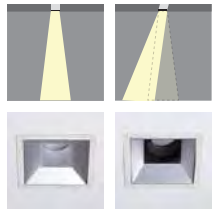


LED COLOR FIDELITY DATA

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
90	2700K	94	98	99	94	95	98	91	82	61	95	96	88	96	99	-	93	99	0.497
	3000K	94	97	99	94	94	96	93	83	62	92	95	84	95	99	-	93	99	0.563
	3500K	93	96	98	93	93	95	93	84	62	90	94	78	94	98	-	92	98	0.642
97	2700K	100	99	96	98	99	98	98	96	90	96	97	89	100	96	-	96	101	0.497
	3000K	99	98	95	98	98	97	98	97	90	93	97	84	99	96	-	95	101	0.563

PHOTOMETRIC DATA

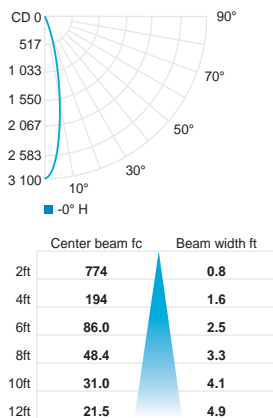
FIXED / ADJUSTABLE



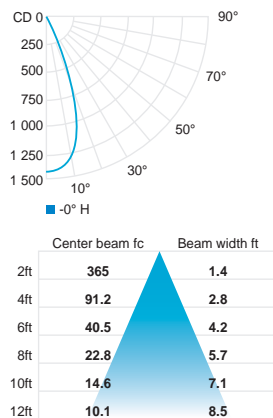
CCT (K)*	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	HE	11W	Spot 23°	620	56	3 095	E-930-FSP/ASP
				Flood 39°	625	56	1 455	E-930-FFL/AFL
		BO	15W	Spot 23°	845	56	4 225	B-930-FSP/ASP
				Flood 39°	855	57	1 990	B-930-FFL/AFL
		HO	20.5W	Spot 23°	1 165	56	5 830	H-930-FSP/ASP
				Flood 39°	1 180	57	2 745	H-930-FFL/AFL

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

HO spot 23° (3000K, 90CRI)



HO flood 39° (3000K, 90CRI)



CCT options	2700K	3000K	3500K
CRI options	90CRI	90CRI	90CRI
Multiplier	0.96	1	1.01

Application

The LED wall mounted luminaire has light output on two sides. Arranged individually or in groups, this is a great design element for a host of lighting applications.

Materials

Luminaire housing constructed of die-cast and extruded marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
 Matte safety glass
 High temperature silicone gasket
 Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
 Protection class IP65
 Weight: 28 lbs

Electrical

Operating voltage 120-277VAC
 Minimum start temperature -30°C
 LED module wattage 30.4 W
 System wattage 36 W
 Controllability 0-10V dimmable
 Color rendering index $Ra > 80$
 Luminaire lumens 1646 lumens (3000K)
 Lifetime at $T_a = 15^{\circ}\text{C}$ $> 500,000$ h (L70)
 Lifetime at $T_a = 45^{\circ}\text{C}$ 229,000 h (L70)

LED color temperature

- 4000K - Product number + **K4**
- 3500K - Product number + **K35**
- 3000K - Product number + **K3**
- 2700K - Product number + **K27**

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

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

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

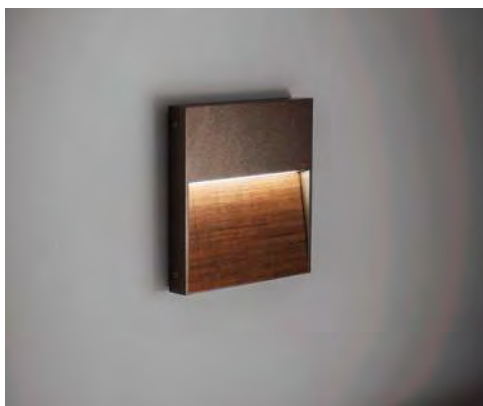
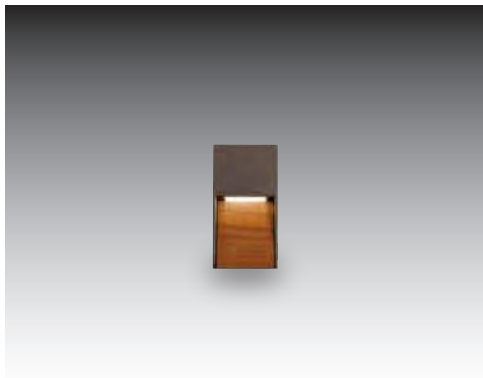


LED wall luminaire - light output on two sides


	LED	A	B	C	Required wiring box
44 438	30.6 W	59 7/8"	4 1/8"	5"	19 537

Type:
 BEGA Product:
 Project:
 Modified:





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 13.5W (system wattage) Lumens: 152lm to 378lm (for 3000K, 90CRI) Luminaire efficacy: Up to 28lm/W
Source:	LED module (LM-79 tested) 2700K: 90CRI, 3000K: 90CRI, 4000K: 90CRI.
Lumen maintenance:	80% of initial lumens at 70 000 hours(L80) (LM79)
Optics:	Accent light.
Material:	Body: Die-cast aluminum and oiled teak wood. 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 burnished bronze 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: 1.23lb (0.56kg) Skill Square: 3.59lb (1.63kg) Skill rectangular: 3.31lb (1.50kg)
Warranty:	5 year limited warranty.
Ratings:	IP65, IK08
Certification:	 cULus listed for wet location

ORDERING INFO

- - - -
FIXTURE

MODELS

- SL9230** - Miniskill vertical **SL9260** - Skill square **SL9240** - Skill rectangular

LED

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

MOUNTING

- DF** - Surface mounted with direct feed⁽¹⁾ **JB** - Surface mounted with Jbox **J2** - Surface mounted with single gang box⁽¹⁾⁽²⁾
 FW - Surface mounted with fixture whip⁽¹⁾⁽²⁾

VOLTAGE

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

FINISH

- 01** - White **20** - Burnished bronze

DIMMING

- D10** - 0- 10V⁽³⁾

⁽¹⁾ Only available with **REM**.

⁽²⁾ Only available with **SL9230**.

⁽³⁾ Only available with **SL9230** and **SL9260**.

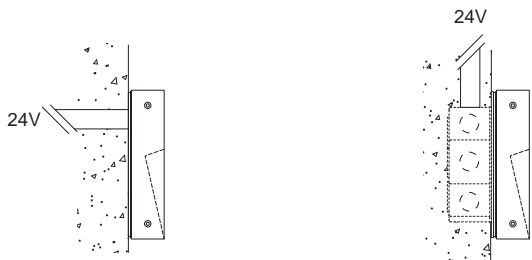
REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

							Miniskill Vertical SL9230	Skill Square SL9260	Skill Rectangular SL9240
							5.2W*	11W*	12W*
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimension	Max distance**	Min-Max Units		
<input type="checkbox"/> 4444-0024-020-120-ND									
20	120V	Indoor	None	None	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)	1-3	1	1
<input type="checkbox"/> 4448-0024-060-UNV-ND									
60	120-277V	Indoor	None	None	10" x 8" x 4" (254 x 203 x 102mm)	30ft(9m)	1-11	1-5	1-5
<input type="checkbox"/> 4549-0024-075-UNV-D10									
75	120-277V	Outdoor	0-10V	Down to ±10%	8" x 1" x 2" (203 x 25 x 51mm)	30ft(9m)	1-14	1-6	1-6
<input type="checkbox"/> 4545-0024-075-UNV-ND									
75	120-277V	Outdoor	None	None	11" x 3" x 2" (279 x 76 x 51mm)	30ft(9m)	1-14	1-6	1-6
<input type="checkbox"/> 4551-0024-080-120-LTE									
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)	1-15 Dim 6-15	1-7 Dim 3-7	1-6 Dim 3-6
<input type="checkbox"/> 4448-0024-150-UNV-D10									
150	120-277V	Indoor	0-10V	Down to ±10%	10" x 8" x 4" (254 x 203 x 102mm)	25ft (7.5m)	1-28	1-13	1-12
<input type="checkbox"/> 4546-0024-200-2C-UNV-ND									
200	120-277V	Outdoor	None	None	12" X 5" X 2" (305 X 127 X 51mm)	30ft (9m) Per channel	1-38	1-18	1-16

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



MOUNTING OPTIONS

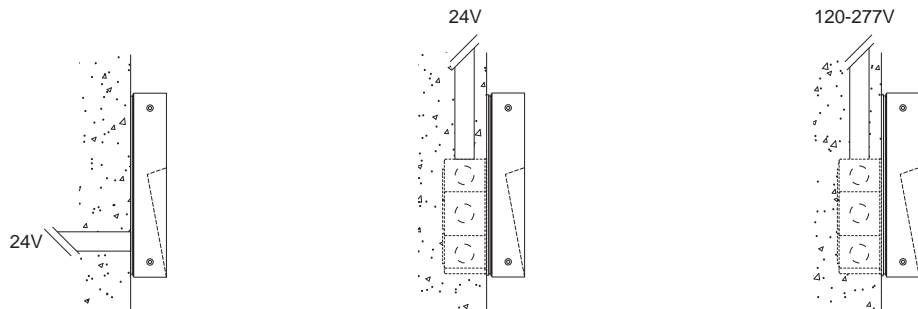
Miniskill Vertical 
(SL9230)



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 1 1/8" (48mm) deep

Skill  
(SL9240 - SL9260)



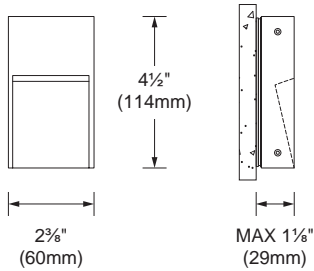
DF-REM - Direct feed with remote power supply. Connections made inside fixture (14-18AWG only). Max Ø 3/8" power cable Installed directly to surface

JB-REM - 4" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

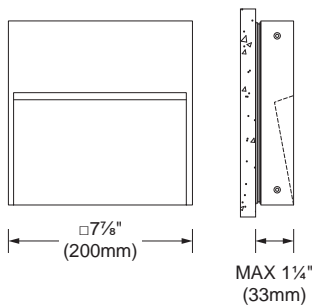
JB-UNV - 4" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

DIMENSIONS

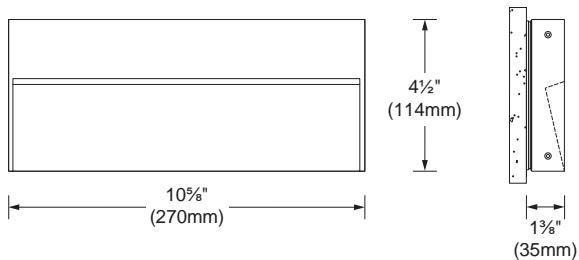
Miniskill Vertical
SL9230



Skill Square
SL9260



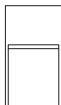
Skill Rectangular
SL9240



PHOTOMETRIC DATA

Visit sistemalux.com for complete photometric data.

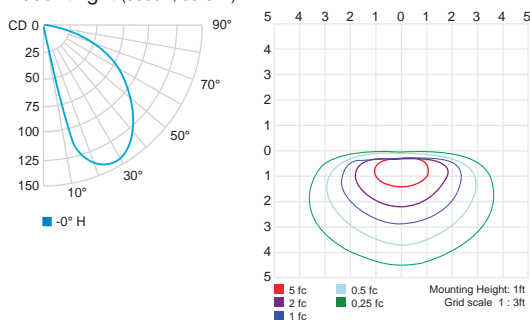
Miniskill vertical



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	4.7W	Accent light	152	25	147	SL9230W

* For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Accent light (3000K, 90 CRI)

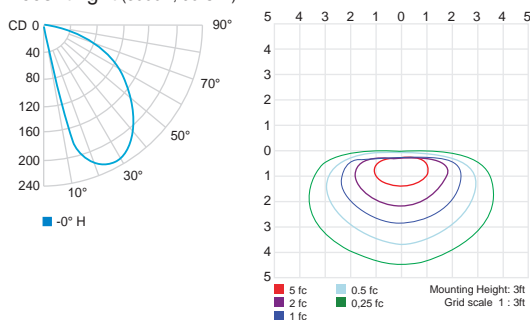


Skill square



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	12.5W	Accent light	312	27	234	SL9260W

Accent light (3000K, 90 CRI)

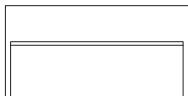


CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	90CRI
Multiplier	0.94	1	1.02

PHOTOMETRIC DATA

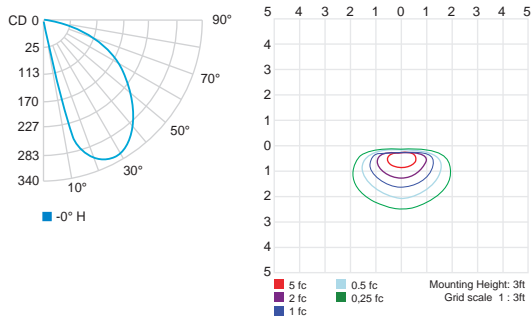
Visit sistemalux.com for complete photometric data.

Skill rectangular



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	13.5W	Accent light	378	28	335	SL9240W

Accent light (3000K, 90 CRI)




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



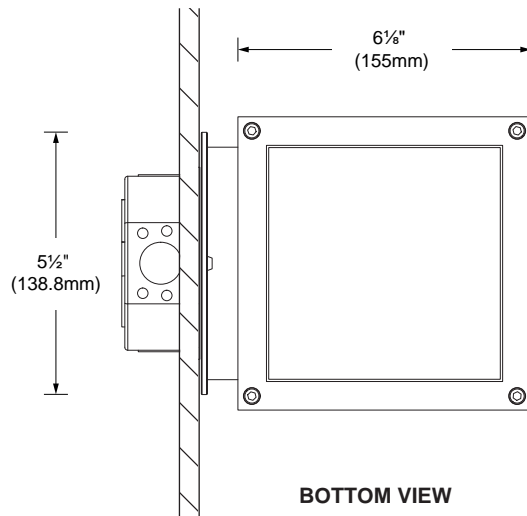
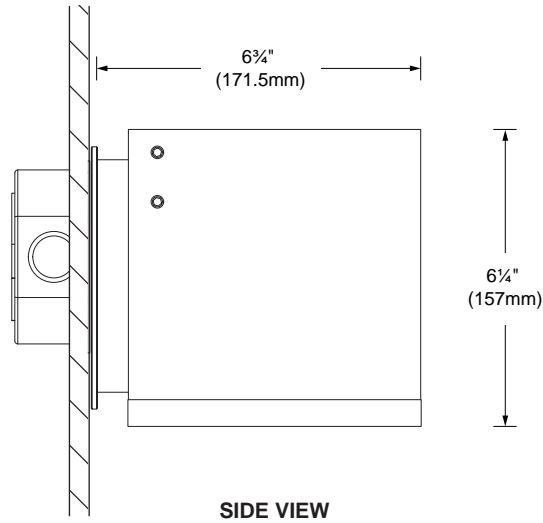
Wall mounted luminaire with excellent light control, characteristics gives improved lighting design solutions and precision with glare-free effects outside the declared angle of light emission.

Luminaire characteristic:

Power input: 21.5W
Lumens: 1 265lm to 1 485lm (for 3000K, 90CRI)
Luminaire efficacy: 69lm/W

Source:	White LED (LM-80), 3000K: 90CRI, 4000K: 90CRI.
Lumen maintenance:	70% of initial lumens at 50 000 hours (L70)(LM-79).
Optic:	Available in spot and flood.
Material:	Body and End caps: Die-cast aluminum Reflector: 99.98% pure anodized aluminum Diffuser: Clear toughened glass Hardware: Stainless steel screws and silicone gasket.
Mounting:	Installed on standard 4" octagonal junction box.
Electrical:	Integral high efficiency LED driver, rated at 50 000 hours. 120V-277V.
Dimming:	Down to 15%, 0-10V (120-277V).
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:	6.4lbs (2.9kg)
Warranty:	5 year limited warranty.
Ratings:	IP65, IK06
Certification:	 cULus listed for wet location.

DIMENSIONS



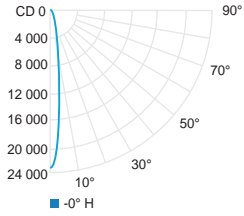
PHOTOMETRIC DATA

Visit sistemalux.com for complete photometric data.

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)	MODELS
3000K	90	21.5W	Spot 13°	1 485	69	23 730	S6695W
			Flood 30°	1 265	58	3 940	S6678W

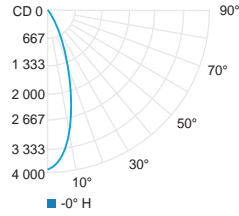
MULTIPLIER FOR 4000K, 90CRI: 1.04

Spot 13° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	5 933 0.4
4ft	1 483 0.9
6ft	659 1.3
8ft	371 1.8
10ft	237 2.2
12ft	165 2.6

Flood 30° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	986 1.1
4ft	246 2.2
6ft	110 3.3
8ft	61.6 4.4
10ft	39.4 5.4
12ft	27.4 6.5

ACCESSORY
(TO BE ORDERED SEPARATELY)

S6604 - 30° inclined bracket



ORDERING INFO

- **UNV** - -
FIXTURE

MODEL

- S6695W** - Spot 13°, 3000K, 90CRI **S6678W** - Flood 30°, 3000K, 90CRI
 S6695N - Spot 13°, 4000K, 90CRI **S6678N** - Flood 30°, 4000K, 90CRI

VOLTAGE

- UNV** - 120-277V

FINISH

- 01** - White **14** - Aluminum gray

DIMMING

- D10** - 0-10V (down to 15%)

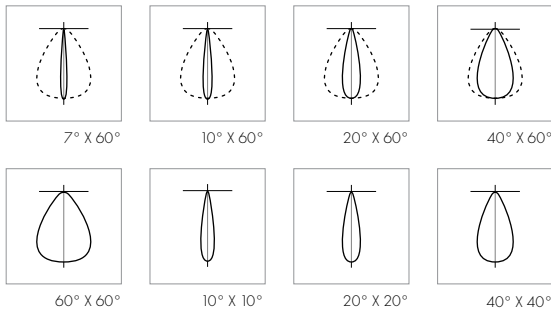
PROJECT:	TYPE:	CAT. #:	MIG - - - - - AS -
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PROFILE

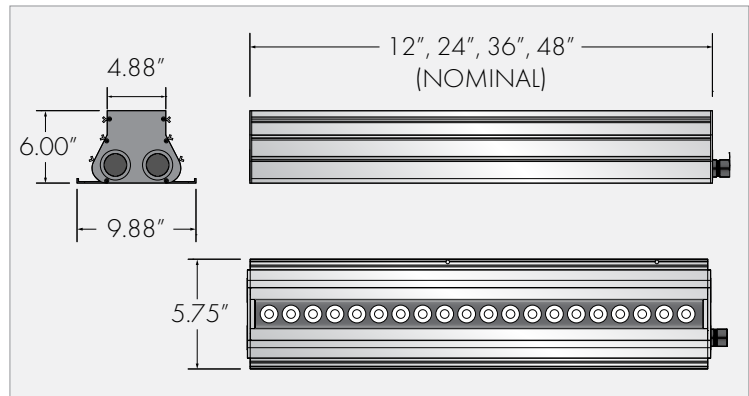
LIGHT SOURCE	LO (3.5 W/FT), MO (9.0 W/FT), HO (15.0 W/FT)
DISTRIBUTIONS	10°X10° - 100°X100°, ASY
CCT	2700K, 3000K, 3500K, 4000K
PERFORMANCE	UP TO 54636 PEAK CANDELA
VOLTAGE	120V OR 277V
POWER	INTEGRATED POWER SUPPLY
CONTROL	0-10V, DMX
HOUSING	EXTRUDED ALUMINUM
LENS	CLEAR TEMPERED GLASS (8 MM)
FINISH	SILVER ANODIZED POWDER COAT FINISH
WARRANTY	5-YEAR LIMITED
PATENTS	PAT.: US D836,815
OPERATING TEMP	-20° C to 50° C
LUMEN MAINTENANCE	75,000 HRS L70
CERTIFICATION	ETL AND cETL FOR WET LOCATION IP68 (FOR IMMERSION UP TO 42" FOR 30 MINS) IK10, WALK/DRIVE OVER COMPLIANT UP TO 5000 LBS IN CONCRETE POUR



OPTICS



DIMENSIONS



PERFORMANCE SAMPLE [Go to Performance Data >](#)

40K, HO, 48.00"	10° X 10°	10° X 60°	20° X 20°	80° X 80°	100°
LUMENS	6316	5417	6475	6161	6459
CANDELA	117530	19943	52385	3960	2739
EFFICACY	91.2 LM/W	77.3 LM/W	93.3 LM/W	88.8 LM/W	94.4 LM/W

ACCESSORIES / OPTIONS



PROJECT:	TYPE:	CAT. #:	MIG - - - - - AS -
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SPECIFICATION

MIG							AS	
-----	--	--	--	--	--	--	----	--

Separate options with dashes

1	2	3	4	5	6	7	8	9	
1 FIXTURE			4 DISTRIBUTIONS		5 FIXTURE LENGTH		8	9 OPTIONS	
MEDLEY INGRADE	MIG		7° X 60°	760	12"	12		PEDESTRIAN GLARE SHIELD	PGS
			10° X 10°	1010	24"	24		ANTI-SLIP LENS	ALS
2 OUTPUT			10° X 60°	1060	36"	36		INTERNAL HONEYCOMB LOUVER	IHL
LOW OUTPUT	LO		10° X 90°	1090	48"	48		Internal Honeycomb Louver is recommended with symmetric distributions only (ie: 10°X10°, etc)	
3.5 W/FT			20° X 20°	2020				2.5 DEGREE TILT	T2.5
MEDIUM OUTPUT	MO		20° X 60°	2060				0° aiming is standard	
9.0 W/FT			20° X 90°	2090	6 VOLTAGE			Tilt options must be done at the factory	
HIGH OUTPUT	HO		40° X 40°	4040	120V	120		Tilt is not recommended with Asymmetric Optics	
15.0 W/FT			40° X 60°	4060	277V	277		5 DEGREE TILT	T5
			40° X 90°	4090	Contact factory for 347V (black cable/flying lead only)			0° aiming is standard	
3 CCT			60° X 60°	6060	7 CONTROL			Tilt options must be done at the factory	
2700K	27K		60° X 90°	6090	NON-DIMMING	NO		Tilt is not recommended with Asymmetric Optics	
3000K	30K		80° X 80°	8080	0-10V DIMMING	DIM		PLUG AND PLAY CONNECTION	PNP
3500K	35K		100° X 100°	100	DMX DIMMING	DMXDM		PNP option allows for continuous fixture connection and carry power & data from fixture to fixture	
4000K	40K		ASYMMETRIC LOW	ASYL	Requires a DMX Distribution & Programming Kit see below			A T-Connector is provided (see page 5)	
RED	R		Asymmetric Low Wallwash is intended for a wall height up to 5.0 FT		Dimming control system to be supplied by others			May require jumper cables - see below for details	
GREEN	G		For best results a 24.00" setback is recommended		8 FINISH			Contact factory for plug and play option for 347V or 480V	
BLUE	B		ASYMMETRIC DEEP	ASYD	ANODIZED SILVER	AS		See maximum fixture run length on page 3	
AMBER	A		Asymmetric Deep wall wash is intended for a wall height of 10.0-12.0 FT						
			For best results a 24.00" setback is recommended						

CONTROL & WIRING ORDER OPTIONS

[Go to DMX Guide >](#)

[Go to Cable Guide >](#)

DMX DISTRIBUTION & PROGRAMMING KIT - REQUIRED FOR DMX DIMMING	
DMX/RDM Distribution Kit (4 OUTPUTS) - IP67	CDS-RDM
DMX/RDM Distribution Kit consists four outputs	
Each output is limited to (1) run per output - up to 32 fixtures max	
Three terminators are included for end of line termination.	

J-BOX STARTER KIT - OPTIONAL	
IP68 INGRADE J-BOX STARTER KIT	SK
Converts line voltage and data to Insight's cabling system within the concrete pour box	
One Starter Kit per circuit or run	
Not available with 12.00" fixture	
See page 5 for details	

EXTERIOR LEADER CABLES	
25.0 FT BLACK LEADER CABLE	LC-25-B
Converts line voltage and data to Insight's cabling system outside of the concrete pour box (j-box by others)	
One leader cable is required for stand alone fixtures and for the first fixture in a plug and play continuous run (32 fixtures maximum per run, circuit limitations may apply)	
A leader cable is not required if a J-box starter kit is ordered	
See J-box Starter Kit below	
Leaders and cables are not available with 347V or 480V	
See maximum fixture run length on page 4	

EXTERIOR BLACK JUMPER CABLES	
1.0 FT BLACK JUMPER CABLE	JC-1-B
2.0 FT BLACK JUMPER CABLE	JC-2-B
5.0 FT BLACK JUMPER CABLE	JC-5-B
10.0 FT BLACK JUMPER CABLE	JC-10-B
25.0 FT BLACK JUMPER CABLE	JC-25-B
Required if fixtures are not mounted in an end-to-end continuous manner and for line voltage only	
Leaders and cables are not available with 347V or 480V	
See maximum fixture run length on page 4	

PROJECT:	TYPE:	CAT. #:	MIG - - - - - AS -
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PERFORMANCE

CCT AND LENGTH	DISTRIBUTION	LOW OUTPUT (3.5 W/FT)			MEDIUM OUTPUT (9.0 W/FT)			HIGH OUTPUT (15.0 W/FT)		
		DELIVERED LUMENS	LUMINAIRE EFFICACY	PEAK CANDELA	DELIVERED LUMENS	LUMINAIRE EFFICACY	PEAK CANDELA	DELIVERED LUMENS	LUMINAIRE EFFICACY	PEAK CANDELA
4000K 24.00"	7° X 60°	998 LM	1070 LM/W	3662	1685 LM	110.0 LM/W	6189	3366 LM	98.0 LM/W	12363
	10° X 10°	932 LM	100.5 LM/W	17011	1566 LM	103.0 LM/W	28686	3158 LM	91.2 LM/W	58765
	10° X 60°	804 LM	86.6 LM/W	2905	1348 LM	88.4 LM/W	4871	2709 LM	77.3 LM/W	9972
	20° X 20°	948 LM	102.1 LM/W	7658	1601 LM	102.4 LM/W	12983	3238 LM	93.3 LM/W	26193
	20° X 60°	862 LM	92.8 LM/W	1893	1451 LM	96.2 LM/W	3207	2914 LM	84.6 LM/W	6379
	40° X 40°	1001 LM	108.0 LM/W	1395	1688 LM	111.0 LM/W	2338	3392 LM	98.8 LM/W	4733
	40° X 60°	896 LM	96.7 LM/W	724	1497 LM	98.6 LM/W	1211	3039 LM	88.1 LM/W	2470
	60° X 60°	993 LM	107.1 LM/W	882	1666 LM	109.3 LM/W	1485	3354 LM	97.7 LM/W	2999
	80° X 80°	912 LM	98.2 LM/W	585	1525 LM	100.1 LM/W	976	3081 LM	88.8 LM/W	1980
	100° X 100°	620 LM	86.8 LM/W	263	1964 LM	93.3 LM/W	829	3230 LM	94.4 LM/W	1370
	ASYD	888 LM	96.3 LM/W	3134	1473 LM	97.8 LM/W	5199	2890 LM	88.2 LM/W	9369
4000K 36.00"	7° X 60°	1496 LM	1070 LM/W	5492	2527 LM	110.0 LM/W	9283	5048 LM	98.0 LM/W	18544
	10° X 10°	1398 LM	100.5 LM/W	25516	2349 LM	103.0 LM/W	43029	4737 LM	91.2 LM/W	88148
	10° X 60°	1205 LM	86.6 LM/W	4357	2022 LM	88.4 LM/W	7306	4063 LM	77.3 LM/W	14957
	20° X 20°	1421 LM	102.1 LM/W	11486	2402 LM	102.4 LM/W	19474	4856 LM	93.3 LM/W	39289
	20° X 60°	1292 LM	92.8 LM/W	2840	2177 LM	96.2 LM/W	4810	4371 LM	84.6 LM/W	9569
	40° X 40°	1502 LM	108.0 LM/W	2093	2531 LM	111.0 LM/W	3506	5088 LM	98.8 LM/W	7100
	40° X 60°	1344 LM	96.7 LM/W	1086	2245 LM	98.6 LM/W	1817	4559 LM	88.1 LM/W	3704
	60° X 60°	1489 LM	107.1 LM/W	1322	2499 LM	109.3 LM/W	2228	5031 LM	97.7 LM/W	4499
	80° X 80°	1368 LM	98.2 LM/W	877	2287 LM	100.1 LM/W	1464	4621 LM	88.8 LM/W	2970
	100° X 100°	929 LM	86.8 LM/W	394	2946 LM	93.3 LM/W	1244	4844 LM	94.4 LM/W	2054
	ASYD	1332 LM	96.3 LM/W	4700	2209 LM	97.8 LM/W	7798	4335 LM	88.2 LM/W	14053
4000K 48.00"	7° X 60°	1995 LM	1070 LM/W	7323	3369 LM	110.0 LM/W	12377	6731 LM	98.0 LM/W	24725
	10° X 10°	1864 LM	100.5 LM/W	34021	3132 LM	103.0 LM/W	57372	6316 LM	91.2 LM/W	117530
	10° X 60°	1607 LM	86.6 LM/W	5809	2696 LM	88.4 LM/W	9741	5417 LM	77.3 LM/W	19943
	20° X 20°	1895 LM	102.1 LM/W	15315	3202 LM	102.4 LM/W	25965	6475 LM	93.3 LM/W	52385
	20° X 60°	1723 LM	92.8 LM/W	3786	2902 LM	96.2 LM/W	6413	5828 LM	84.6 LM/W	12758
	40° X 40°	2002 LM	108.0 LM/W	2790	3375 LM	110.7 LM/W	4675	6784 LM	98.8 LM/W	9466
	40° X 60°	1792 LM	96.7 LM/W	1448	2993 LM	98.6 LM/W	2422	6078 LM	88.1 LM/W	4939
	60° X 60°	1985 LM	107.1 LM/W	1763	3332 LM	109.3 LM/W	2970	6708 LM	97.7 LM/W	5998
	80° X 80°	1824 LM	98.2 LM/W	1169	3049 LM	100.1 LM/W	1952	6161 LM	88.8 LM/W	3960
	100° X 100°	1239 LM	86.8 LM/W	525	3928 LM	93.3 LM/W	1658	6459 LM	94.4 LM/W	2739
	ASYD	1776 LM	96.3 LM/W	6267	2945 LM	97.8 LM/W	10397	5780 LM	88.2 LM/W	18787
ASYL	1251 LM	89.0 LM/W	690							

All Insight White Light ies files are calculated with 4000K. For estimations of additional CCTs, please use the following multipliers:

	2700K MULTIPLIER	3000K MULTIPLIER	3500K MULTIPLIER
LUMEN MULTIPLIERS	0.87	0.90	0.95
MULTIPLY THE 4000K LUMEN DATA BY THE ABOVE MULTIPLIERS			

PROJECT:	TYPE:	CAT. #:	MIG - - - - - AS -
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WIRING

MAXIMUM RUN LENGTH (PER LEADER CABLE) - NON-DIMMING, 0-10V

LOW OUTPUT (3.5 W/FT)		MEDIUM OUTPUT (9.0 W/FT)		HIGH OUTPUT (15.0 W/FT)	
120V	277V	120V	277V	120V	277V
340 FEET	340 FEET	132 FEET	132 FEET	80 FEET	80 FEET

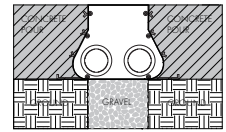
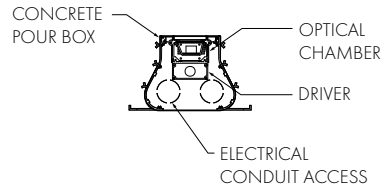
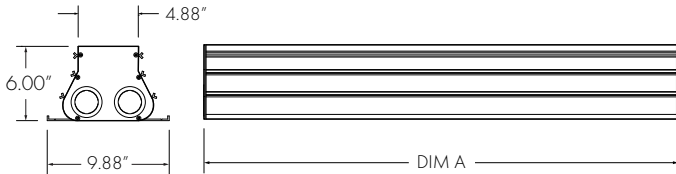
MAXIMUM FIXTURES (PER LEADER CABLE) - DMX DIMMING

LOW OUTPUT (3.5 W/FT)		MEDIUM OUTPUT (9.0 W/FT)		HIGH OUTPUT (15.0 W/FT)	
120V	277V	120V	277V	120V	277V
32 FIXTURES	32 FIXTURES	32 FIXTURES	32 FIXTURES	UP TO 32 FIXTURES NOT TO EXCEED 1200 WATTS	UP TO 32 FIXTURES NOT TO EXCEED 1200 WATTS

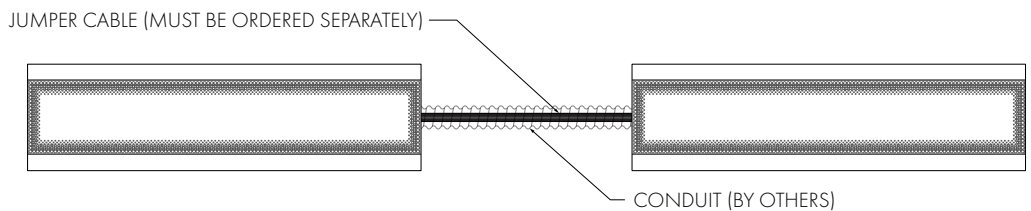
PROJECT:	TYPE:	CAT. #:	MIG - - - - - AS -
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DIMENSIONS

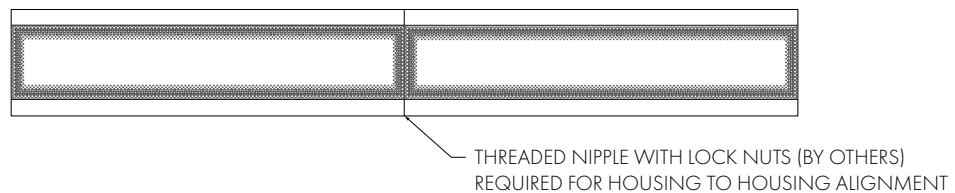
LENGTH	12"	24"	36"	48"
DIM A	14.38"	26.38"	38.38"	50.38"



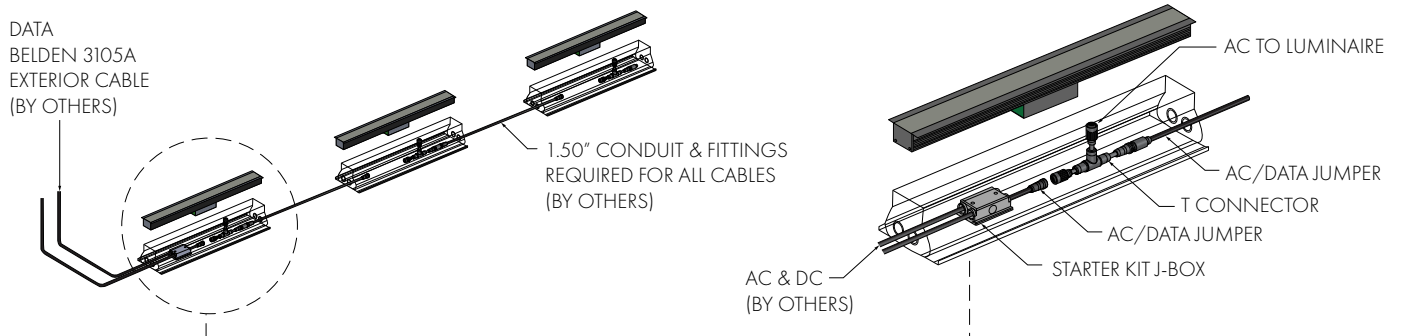
PLUG AND PLAY CONTINUOUS RUN CONFIGURATION WITH SPACING Jumper cable is required



PLUG AND PLAY CONTINUOUS END-TO-END RUN CONFIGURATION Jumper cable NOT required



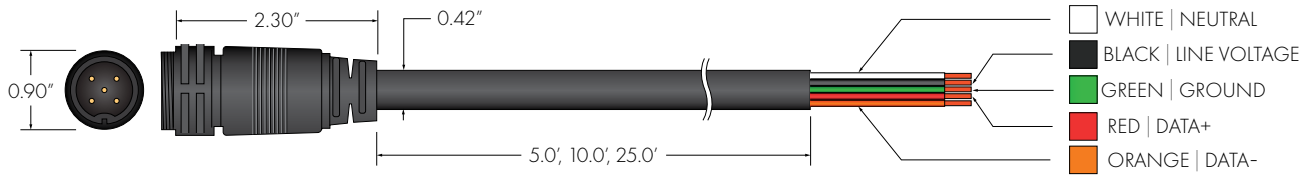
WIRING GUIDE WITH J-BOX STARTER KIT



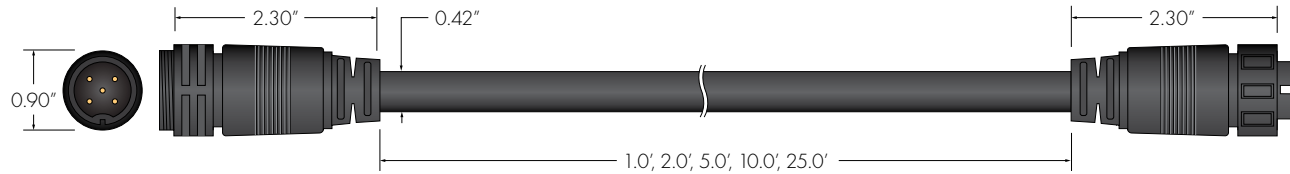
PROJECT:	TYPE:	CAT. #:	MIG - - - - - AS -
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CABLES

AC LEADER (LC-X) WHITE/BLACK | 5x16AWG | 105°C | 300V | IP67



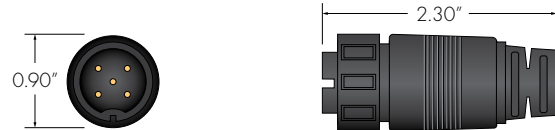
AC JUMPER (JC-X) WHITE/BLACK | 5 X 16 AWG | 105°C | 300V | IP67



AC CAP (EL11447) WHITE/BLACK | 105°C | 300V | IP67



AC TERMINATOR (EL11586) WH/BL | 105°C | 300V



VIA 1.5 RECESSED

LUMENWERX

DIRECT
STATIC WHITE, BIOS ST/DY



Project: _____

Type: _____


DESCRIPTION

Our elegant, flexible Via family is composed of linear, pendant, surface, recessed, and wall mounted luminaires. Each lighting fixture can be installed as a discrete luminaire or in continuous runs or patterns. Via 1.5 Recessed is offered with asymmetric, widespread, wall wash, or low-glare optics. Via 1.5 Recessed can accommodate the Micro Spot, an adjustable spotlight that extends, rotates 360°, and tilts 90°.

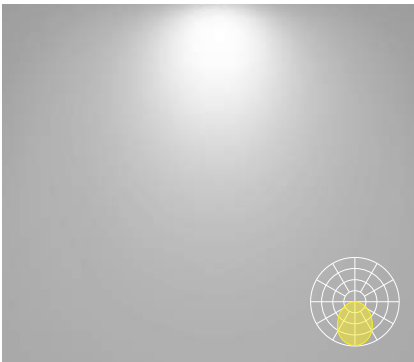
Up to 118 lm/W performance

IC RATED

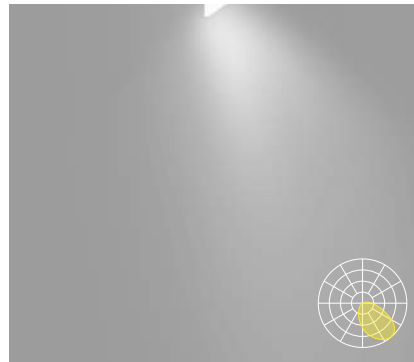
SENSORS
For latest information on sensors, click [here](#).



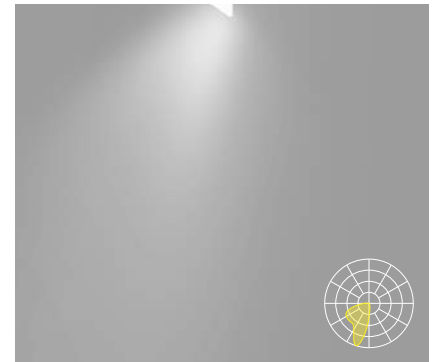
Lens Positions ¹



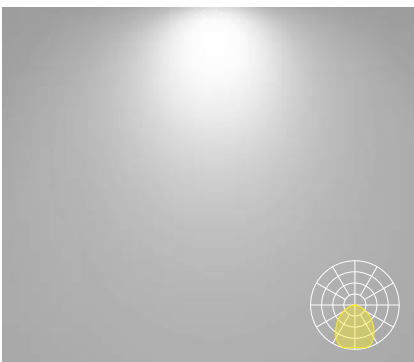
HLO
High-Efficiency Lambertian Optic



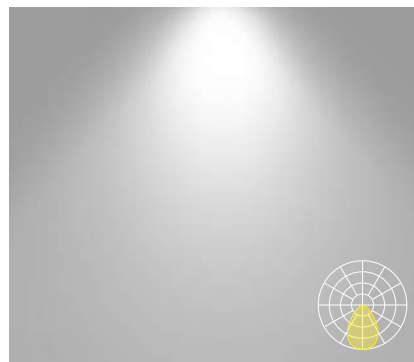
ARO
Asymmetric Refractive Optic



WRO
Wall Wash Refractive Optic



WDO
Widespread Direct Optic



LGO
Low-Glare Optic

¹ Drop lens positions available with HLO only.

VIA 1.5 RECESSED

LUMENWERX

DIRECT
STATIC WHITE, BIOS ST/DY

Project: _____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	OPTIC	LENS POSITION	LIGHT SOURCE ³	CRI
VIA1.5R	D				
VIA1.5R - Via 1.5" Recessed	D - Direct	HLO - High-Efficiency Lambertian Optic ARO - Asymmetric Refractive Optic WRO - Wall Wash Refractive Optic WDO - Widespread Direct Optic LGO - Low-Glare Optic	FH ¹ - Flush 0.5D ¹ - 0.5" drop 1.5D ¹ - 1.5" drop NA ² - Not applicable ¹ Available with HLO only. ² Specify NA for all optics except for HLO.	SW - Static white BIOSST ⁴ - Static biologically-optimized lighting BIOSDY ⁴ - Dynamic biologically-optimized lighting ³ Chromawerx Solo, Duo and Quadro also available. Consult other spec sheets. ⁴ Only available with low and medium lumen packages.	80 - 80 CRI 90 ⁵ - 90 CRI ⁵ Not available with BIOS.

LUMEN PACKAGE (lm/ft)						COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER ¹³
	Hypo ^{6,7}	Low	Med	High	Hyper ^{8,9,10}	27 ¹¹ - 2700K 30 - 3000K 35 - 3500K 40 - 4000K ¹¹ Not available with BIOS.	#FT#IN - Specify nominal length (#) in 1' and/or 1" increments Standard nominal lengths: Single units: 2' - 12' Continuous runs: lengths over 12'	120 - 120V 277 - 277V UNV - 120V-277V 347 ¹² - 347V ¹² Available with D1 only.	D1 - 1% 0-10V DA ¹⁴ - DALI LTEA2W ¹⁵ - Lutron 1% - 2 wire FP 120V LDE1 ¹⁴ - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V ¹³ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁴ On-site commissioning is required. ¹⁵ Available with 120V only.
HLO	200	350	500	750	900				
ARO	x	350	500	750	900				
WRO	x	350	500	750	900				
WDO	x	350	500	750	x				
LGO	x	350	500	750	x				

⁶ Minimum 4' fixture.

⁷ Not available with LTEA2W.

⁸ Not available with 90CRI.

⁹ Fixture will be very bright. Use in suitable applications.

¹⁰ Only available for non-IC applications.

ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{19,20}	MOUNTING	FINISH
1C - 1 circuit #MC ¹⁶ - Multi circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{17,18} - Generator transfer device fixture ¹⁶ Specify total number of circuits (#), including any required for electrical section or Micro Spot options. Provide drawing or layout specifications. Minimum 4' section per circuit. ¹⁷ Minimum 4' fixture. ¹⁸ Not available with 347V.	#EC## ²¹ - Emergency-powered section #NL## ²¹ - Night light section #DL## ²¹ - Daylight section #GTD## ^{21,22,23} - Generator transfer device section #EMB ^{23,24} - Emergency battery NA - None ¹⁹ Specify with multi circuit (#MC) electrical option only. ²⁰ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ²¹ Specify quantity (#), and section length in inches (##). ²² Minimum 4' section. ²³ Not available with 347V. ²⁴ Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	TG9 - Tegular 9/16" TG15 - Tegular 15/16" TB9 - T-bar 9/16" TB15 - T-bar 15/16" ST - Screw slot T-bar DTR - Drywall trim DTL - Drywall trimless DMF - Drywall mud flange	W - Matte white B - Matte black CF# - Custom finish, specify RAL#

CONTROL ²⁵	OPTIONS	MICRO SPOT ³¹	MS CRI	MS LUMEN PACK.	MS COLOR TEMP.	MS FINISH
STANDALONE CONTROLS ^{26,27} Specify the quantity (#) of sensors per fixture. #OMS ²⁸ - Onboard Occupancy #OMSX ²⁹ - Onboard Occupancy with bi-level dimming #ODS - Onboard Daylight #OCS - Onboard Occupancy & Daylight NA - None ²⁶ Standalone and connected control options cannot be combined. ²⁷ Available with D1 driver and 1 circuit options only. ²⁸ Minimum 4' per zone. Provide control zone length. ²⁹ Fixture turns off when no occupancy. ²⁹ Fixture dims to specified light level % (X). ³⁰ Consult factory for connected controls.	CONNECTED CONTROLS ³⁰ LU - Lutron EN - Enlighted ENC - Encelium WL - Cooper Wavelinx AN - Acuity nLight CA - Casambi LG - Legrand	FU120 - Fuse 120V FU277 - Fuse 277V FWC - Flexible whip cable (6' std) CP - Chicago Plenum NA - None #MS25 - Micro Spot 25° #MS35 - Micro Spot 35° #MS50 - Micro Spot 50° ³¹ Specify quantity (#).	80 - 80 CRI 90 - 90 CRI	400 ³² - 400 lm ³² 5 W. Wattage is for reference only. May change based on driver.	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	W - Matte white B - Matte black

VIA 1.5 RECESSED

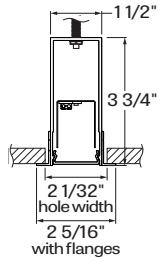
LUMENWERX

DIRECT
STATIC WHITE, BIOS ST/DY

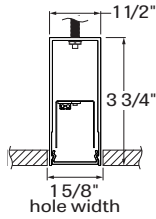
Dimensions

DRYWALL

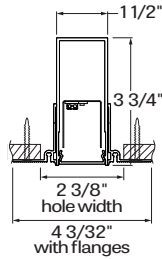
DTR - Drywall Trim



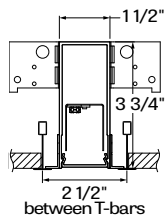
DTL - Drywall Trimless



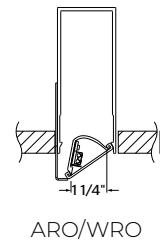
DMF - Drywall Mud Flange



GRID



Section view



VIA 1.5 RECESSED

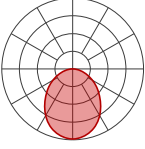
LUMENWERX

DIRECT
STATIC WHITE, BIOS ST/DY

Photometrics

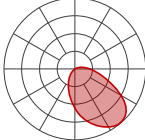
Delivered lumens at 35K at 80 CRI for all optics.

HLO (Flush Lens)



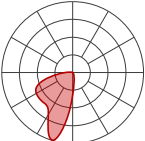
LM/FT	TOTAL LM/4FT	INPUT WATTS	LPW
200	800	10.6	75
350	1400	19.0	74
500	2000	27.8	72
750	3000	43.5	69
900	3600	53.6	67

ARO



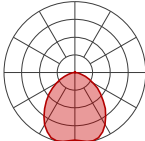
LM/FT	TOTAL LM/4FT	INPUT WATTS	LPW
350	1400	13.0	107
500	2000	19.2	104
750	3000	30.4	99
900	3600	37.5	96

WRO



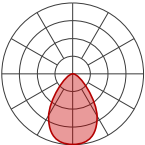
LM/FT	TOTAL LM/4FT	INPUT WATTS	LPW
350	1400	12.4	112
500	2000	18.3	109
750	3000	28.9	104
900	3600	35.7	101

WDO



LM/FT	TOTAL LM/4FT	INPUT WATTS	LPW
350	1400	19.4	72
500	2000	29.0	69
750	3000	46.5	65

LGO



LM/FT	TOTAL LM/4FT	INPUT WATTS	LPW
350	1400	22.3	63
500	2000	33.5	60
750	3000	53.9	56

MULTIPLIER TABLES

Use these tables to get results for different color temperatures, CRI, and drop lenses, for all Direct photometric tables.

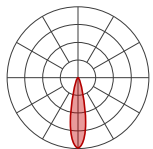
Multiplier - CCT/CRI

CCT (K)	WATTS		LPW	
	CRI 80	CRI 90	CRI 80	CRI 90
2700	1.05	1.26	0.95	0.79
3000	1.01	1.23	0.99	0.81
3500	1.00	1.20	1.00	0.84
4000	1.00	1.17	1.00	0.85

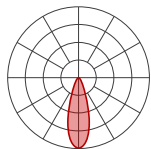
Multiplier - Drop Lens

DIRECT LENS	WATTS	LPW
Flush Lens	1.00	1.00
Drop Lens 0.5"	0.89	1.12
Drop Lens 1.5"	0.88	1.14

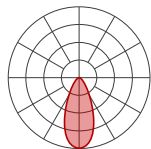
MICRO SPOT



Micro Spot 25°



Micro Spot 35°



Micro Spot 50°

DELIVERED LUMENS

Wattage	5.0							
	80				90			
CRI	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Lumen	373	373	400	400	322	322	322	345

VIA 1.5 RECESSED

LUMENWERX

DIRECT
STATIC WHITE, BIOS ST/DY

Technical Specifications

OPTICS

High-Efficiency Lambertian Optic (HLO)

The High-Efficiency Lambertian Optic (HLO) uses matte white reflectors to distribute LED output across 0.075" acrylic shielding, providing up to 88% transmission and good obscuration. Available as a flush lens or as a drop lens, the HLO has a spacing criterion of 1.12.

Asymmetric Refractive Optic (ARO)

The Asymmetric Refractive Optic (ARO) combines a matte-finished reflector with a high-transmission diffusing film to control the distribution of light in two ways:
1) on one side, through a modified Lambertian with peak intensity at nadir; and
2) on the other side, through a batwing with peak intensity at 40°. A visor shields luminaire hardware from lateral viewing angles.

Wall Wash Refractive Optic (WRO)

The Wall Wash Refractive Optic (WRO) delivers smooth illumination with a gentle gradient. Maximum intensity is at 20° from vertical. WRO uses a specular aluminum reflector, combined with a high-transmission diffusing film. A "visor" shields luminaire hardware from lateral viewing angles.

Widespread Direct Optic (WDO)

The Widespread Direct Optic (WDO) is designed to distribute light far and wide. As such, it has an excellent luminous efficacy, a light span that is 40% farther than that of our traditional HLO, and it maximizes spacing distance while still creating a sense of uniformity. The lens snaps into place and utilizes nano prismatic optics to mask the diodes that are actually emitting the light.

Low-Glare Optic (LGO)

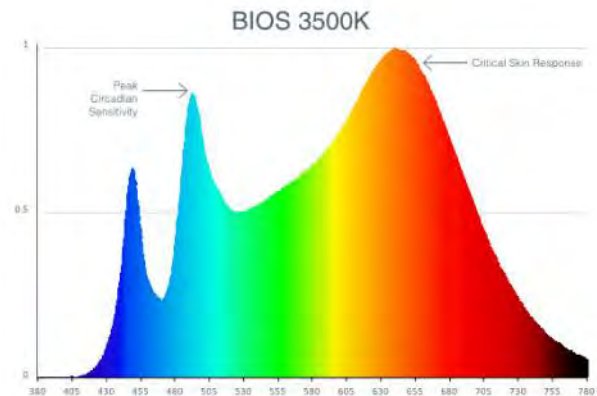
The Low-Glare Optic (LGO) is designed to cut off high-angled light and control glare. The carefully crafted lens refracts light downward through its center from which it then disperses into a wide conical distribution that negates any illumination at about 40°. The LGO provides the visual comfort of a louver in a smooth acrylic lens.

LIGHT SOURCE

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.



BIOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being. The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.



VIA 1.5 RECESSED

LUMENWERX

DIRECT
STATIC WHITE, BIOS ST/DY

LUMINAIRE LENGTH

Via 1.5 is available in standard lengths of 2' to 12'. Continuous runs are available for run lengths over 12'. Exact run length must be noted in the product code. The minimum length is 2', and can be ordered in 1' and/or 1" increments. All individual sections are joined together onsite using the joiner kits provided. Lumenwerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), Quadro (RGBW) emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections

Options include emergency-powered (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency-powered sections on a second circuit.
Code: 2MC-2EC96

Example 2: A 24' Direct fixture with one 4' generator transfer device section.
Code: 1MC-1GTD48

Battery

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.

Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours.

MOUNTING OPTIONS

Recessed fixtures can be mounted into exposed or concealed T-bar or tegular ceiling, as well as in drywall ceilings with trim, trimless, or mud flange options.

FINISH

Interior - 95%, reflective matte powder coated white paint
Exterior - Matte white or matte black powder coating. Custom finishes are also available.

CONTROLS

Lumenwerx offers several options for integrating occupancy and daylight harvesting controls in our luminaires. For latest information on sensors, click [here](#).



STANDALONE CONTROLS

An integrated standalone sensor controls the luminaire in which it is installed. Depending on the length, more than one sensor may be necessary and may control the entire luminaire, or just a section of it. These controls operate independently. Unless otherwise agreed, sensor location, blank size, and functionality of the sensor within the luminaire are selected by Lumenwerx. See client drawings for details. Three types are available:

OMS: An integral Passive InfraRed (PIR) sensor turns luminaires on and off automatically with field-adjustable time out period. No wall control is used. Coverage pattern for large motion has a 12' diameter with the sensor mounted 8' above the floor; for small motion, the pattern has an 8' diameter. Typically, one sensor is required for every 10' of a continuous luminaire run.

ODS: An integral, daylight harvesting sensor with closed-loop operation dims the luminaire in which it is installed in order to compensate for available daylight. The sensor measures the combination of daylight and luminaire light reflected from horizontal surfaces below the luminaire. Initial onsite calibration is required via the use of provided remote control.

OCS: Both an occupancy and a daylight sensor are installed in the luminaire.

VIA 1.5 RECESSED

LUMENWERX

DIRECT
STATIC WHITE, BIOS ST/DY

CONNECTED CONTROLS

With connected controls, sensors or nodes installed in the luminaire form part of a larger control system infrastructure from manufacturers such as: Lutron, Enlighted, Encelium, Cooper Wavelinx, Acuity nLight, Casambi, Legrand, and others. These connected controls allow for a scalable system providing features like occupancy and daylight control, manual control, scheduling and configuration of various zones and scenes. Energy reporting and system monitoring are also possible. Specific capabilities depend on the control system being used.

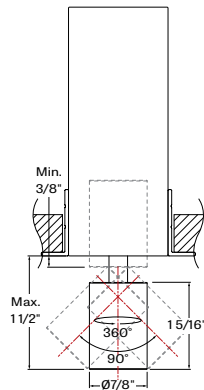
Lumenwerx installs the components (sensors, nodes, power packs, etc) which may be supplied to us by a third party, or procured directly by Lumenwerx, depending on the control system manufacturer.

Lumenwerx is solely responsible for the installation of specified components; the controls manufacturer is responsible for performance of the control system.

To indicate a Lumenwerx luminaire with connected controls, identify the specific onsite control system to be integrated into the luminaires using the ordering code. Due to the diversity of components, you must contact factory to assure complete compatibility with intended control system and to fully specify the luminaire.

Complete control specifications, sensor/node/power pack layout, and narrative for the control system are required for Lumenwerx to create shop drawings and submittals.

MICRO SPOT (MS)



The Micro Spot is a $\text{Ø } 7/8" \times 1 5/16"$ adjustable spotlight that extends, retracts, rotates 360°, and tilts 90°. Its LED light source is coupled with a TIR refractor to provide beam angles of 25°, 35°, and 50°, while producing up to 400 lumens. LED light source CCT options are 2700K, 3000K, 3500K, and 4000K, available in either 80 CRI or 90 CRI. The Micro Spot is offered in a white or black finish. The Micro Spot driver is mounted within the luminaire housing and accepts universal input voltage (120-277VAC) with 0-10 V dimming control.

CONSTRUCTION

- Housing** - Extruded aluminum, up to 90% recycled content
- Interior brackets** - Die formed cold rolled sheet steel
- Joining system** - Die cast zinc
- Reflectors** - Cold rolled steel die formed, 95% reflective matte white painted
- Lens** - Acrylic or polycarbonate
- Drop lens** - Extruded with glued end caps
- Mud flange** - Extruded aluminum, up to 90% recycled content
- Slip-through bracket** - Die formed galvanized sheet
- End plate** - Die formed cold rolled sheet steel

WEIGHT

- Via 1.5 4ft** - 7.16 lbs - 3.25 kg
- Via 1.5 8ft** - 14.32 lbs - 6.5 kg
- Via 1.5 12ft** - 21.48 lbs - 9.75 kg

CERTIFICATIONS

- ETL** - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.
- Chicago plenum** - City of Chicago Approved (CCEA)
- IC rated** - Suitable for direct contact with insulation.

WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

JOB NAME _____

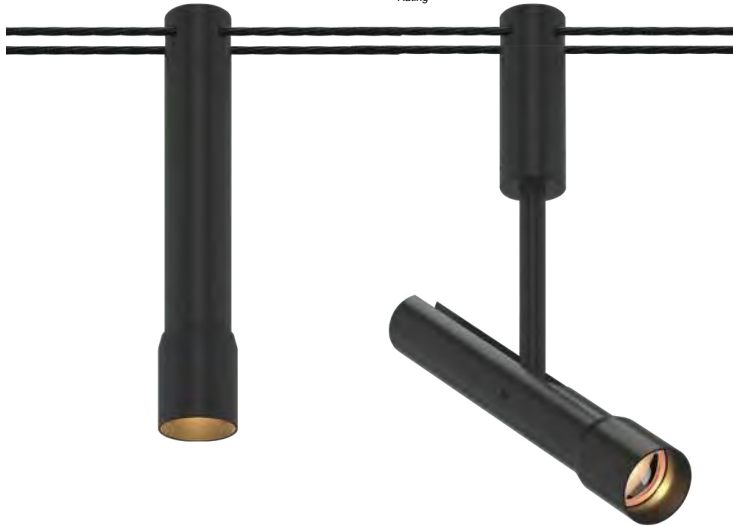
CONTACT _____

ORDERING CODE _____

LM-79

SKYLINE

Outdoor / Indoor Catenary Fixture IP63
Static White Down & Spot - Zoom



Down

Spot

ORDERING CODE

SERIES	EXT	exterior
TYPE	SKY-DZ SKY-SZ	skyline - down, zoom skyline - spot, zoom
LED	SW	static white
DELIVERED LUMENS	10LM	780 lm
CCT	27K 30K 35K 40K	2700K 3000K 3500K 4000K
CRI	80 90	80 CRI 90 CRI
LENS OPTION	DZ1	dynamic zoom 10°-60°
VOLTAGE	24	24V
FINISH	BK ¹	black

ORDERING CODE

Follow the steps to specify your fixture, example:

EXT - SKY - DZ - SW - 10LM - 30K - 90 - DZ1 - 24 - BK

SW (LED)	POWER	
DELIVERED LM	W (80/90 CRI)	LPW
780	10	78

NOTES

1. For custom finishes consult factory.

EFFECTIVE PROJECTED AREA RATINGS (EPA)

SKYLINE CONFIGURATION	EPA (FT2)	WEIGHT - LBS. / OZ.
SKY-DZ	0.05997	0.280 / 4.48
SKY-SZ	0.086	0.325 / 5.20

DESCRIPTION

SKYLINE is a lightweight, highly versatile, and exceptionally elegant catenary system for indoor and outdoor applications. Up to 780 lumens from a 1" aperture cylinder. SKYLINE enables safe, reliable, clutter-free catenary on strong woven Kevlar, self-healing cable with marine grade, hard anodized aluminum fixture housings. Applications are endless, from outdoor gathering spaces to indoor accent lighting for retail and hospitality.

HOUSING

- Hard anodized, marine grade aluminum in matte black.
- Polycarbonate protective IK10 rated.
- Ambient operating temperatures Min. -40°F / Max 131°F.
- IP 63 rated Down and Spot.

MOUNTING

- Twin cable powered suspended catenary system

ELECTRICAL /CONTROLS

- 0-10V and DALI dimmable, see remote drivers for details.
- 24VDC input

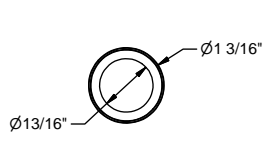
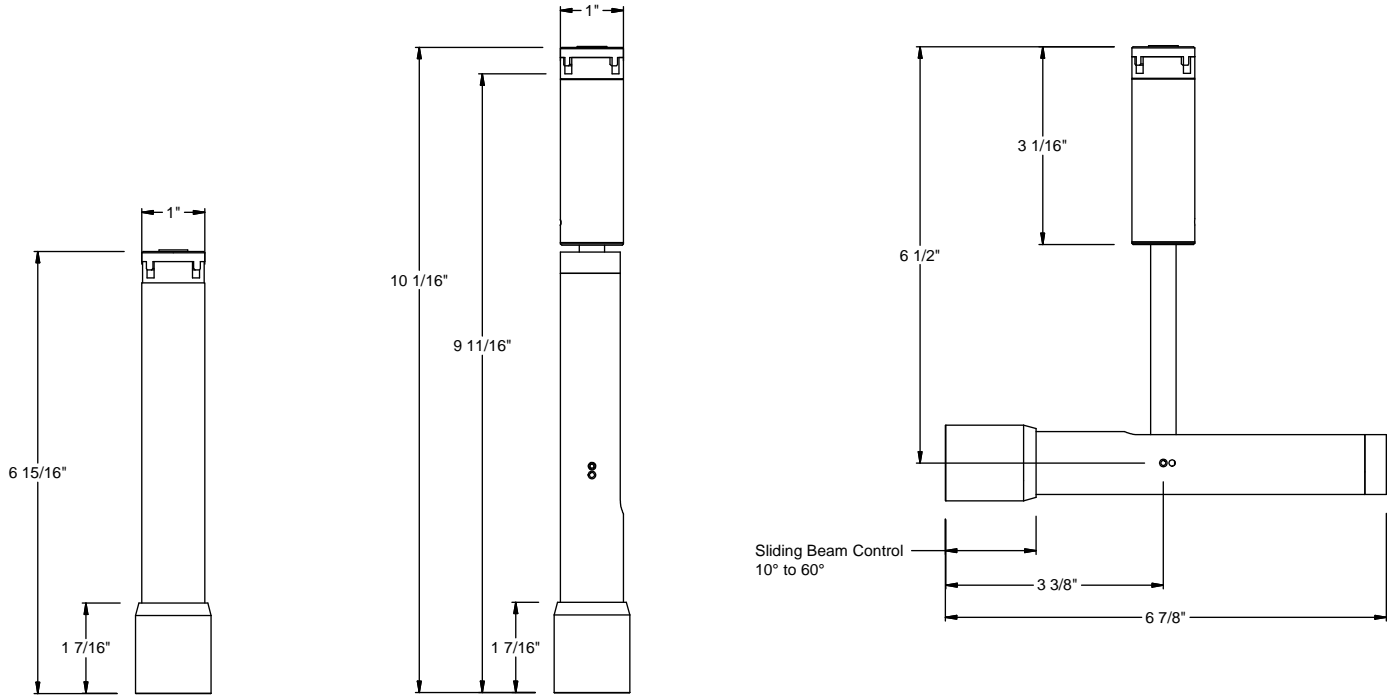
LISTING

- ETLus listed to UL2108 (suitable for dry, damp and wet locations)
- cETL listed to CSA C22.2 #250.0

LED INFO

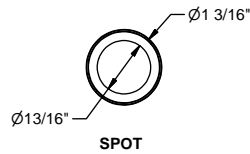
- 90 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 100,000 hrs
- 80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 100,000 hrs

PRODUCT DIMENSIONS



DOWN

EPA - 0.0599 sq. ft
Weight - 0.280 lbs. / 4.48 oz.

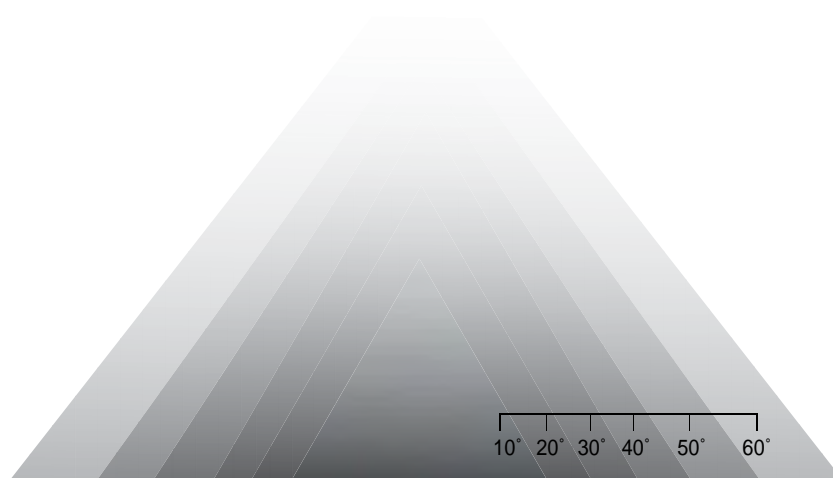
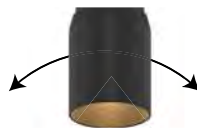


SPOT

EPA - 0.0860 sq. ft
Weight - 0.325 lbs. / 5.20 oz.

BEAM DISTRIBUTION

Dynamic Zoom



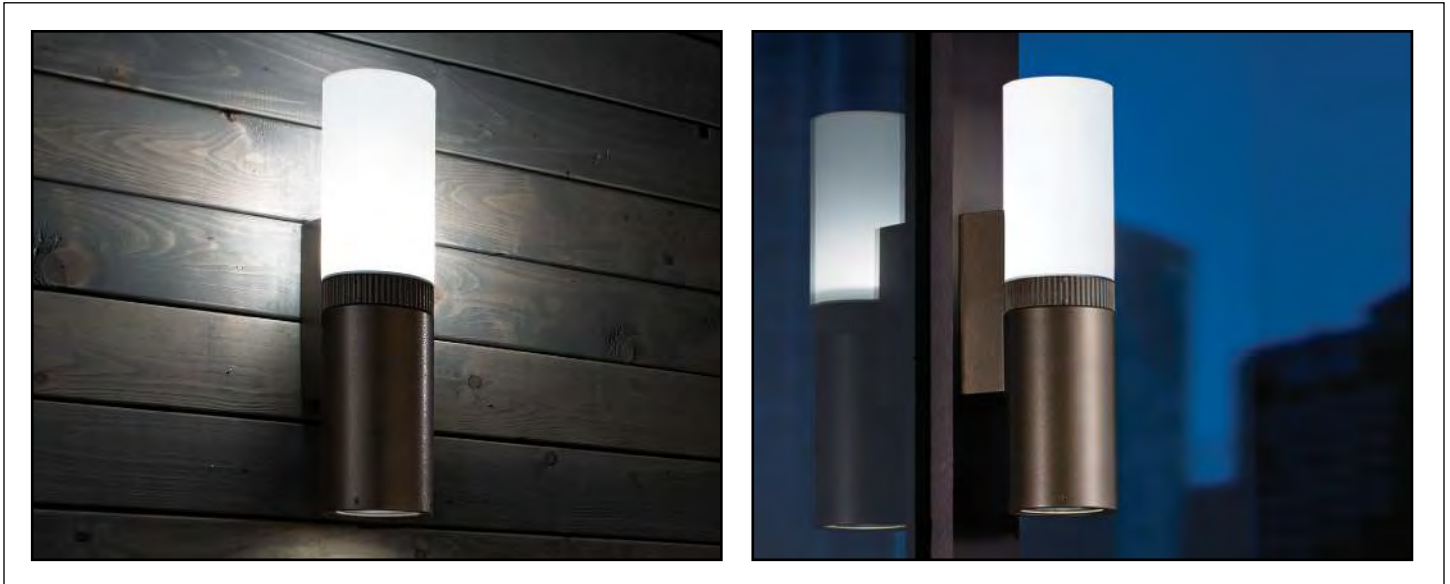
OW2304 SCOPE™

Acrylic Upper Body – Cast Lower Body w/ Downlight



VisaLighting.com/products/Scope

Type: _____ Project: _____ Location: _____



DIMENSIONS

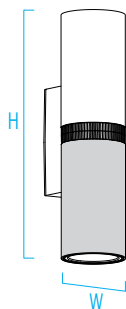
W = Width H = Height D = Depth

Depth is measured from wall to front of fixture

W	3-7/8" (98 mm)
H	15" (381 mm)
D	5-1/4" (133 mm)
D (with JBC option)	5-1/2" (140 mm)

For mullion mounting: Minimum required mullion width is 3"

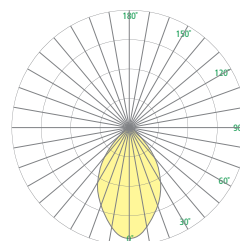
May be mounted in inverse position.



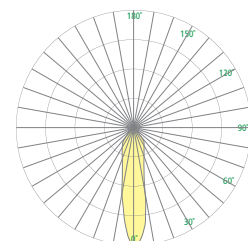
FEATURES

- Integral driver (unless RMD option is selected)
- 0-10V dimming to 10%
- IP65 rated
- Bracket mounting system simplifies installation and maintenance
- May be mounted in inverse position
- Surface mount to 2x4 junction box or window mullion. Mullion mount requires RMD option and minimum 3" mullion. Optional junction box cover (JBC) is available for 4x4 or octagonal junction box
- Tamper resistant fasteners
- Frosted 1/4" high impact grade acrylic (non-matte finish on end cap)
- No VOC powder coat paint finish
- ETL listed for wet location

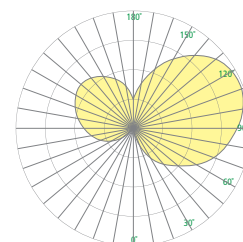
PHOTOMETRICS



MED 65° Beam

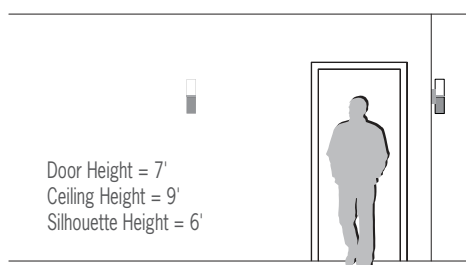


NRW 23° Beam



Luminous Uplight

RELATIVE SCALE DRAWING



IP65



XPS



ETL Listed



5 Year Warranty

OW2304 SCOPE (cont.)

Acrylic Upper Body – Cast Lower Body w/ Downlight



Fill in shaded boxes using information listed below

OW2304		-		MVOLT					
MODEL	SOURCE¹ • L30K L35K • L40K			VOLTAGE MVOLT		DOWNLIGHT OPTICAL DISTRIBUTION² MED NRW		FINISH See last page for finish order codes	OPTION(S)³ JBC RMD XPS
	Uplight and Downlight								Driver is integral unless remote driver (RMD) option is selected

SOURCE¹ (Select one)

Minimum 90CRI, within 3-step MacAdam
Dimmable 0-10V to 10%

Source	CCT	Delivered Lumens	Power/Watts
• L30K(H)	3000K	500 up 450 down	15
L35K(H)	3500K		
• L40K(L)	4000K		

VOLTAGE

MVOLT	120-277V, 50/60 Hz
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LUMEN MAINTENANCE RATING

L70	55,000hrs
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OPTICAL DISTRIBUTION²

Downlight only

Beam		Max Candela
MED	65° Beam	421
NRW	23° Beam	993

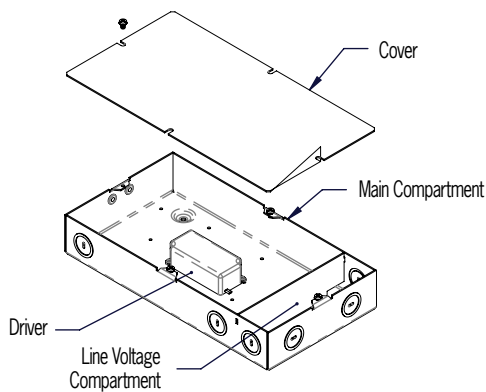
OPTIONS³ (Multiple Selections Allowed)

Integral driver unless Remote Driver (RMD) is selected

⚠ Option availability may be interdependent with Voltage, Source or Other Options

JBC	Junction box cover (4-1/2" square) for use with an existing 4" octagonal junction box. Painted to match finish
RMD	Remote mounted driver (required for mullion mount)
XPS	Express 10 day shipping. Items marked with a bullet (•) are not available with XPS

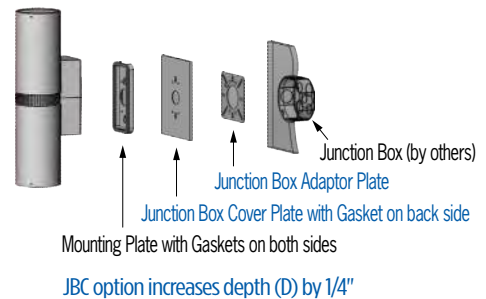
REMOTE DRIVER (RMD) INFORMATION



Maximum Recommended Remote Wiring Distance from RMD to fixture canopy

- 10GA 1400 ft
- 12GA 900 ft
- 14GA 550 ft
- 16GA 350 ft
- 18GA 200 ft

JUNCTION BOX COVER (JBC option) MOUNTING DETAIL



Remote driver boxes have knockouts for conduit connections

OW2304 SCOPE (cont.)

Acrylic Upper Body – Cast Lower Body w/ Downlight



SCOPE PRODUCT FAMILY

• OW2300	Cast Body - Downlight & Uplight
• OW2302	Luminous Acrylic Body
• OW2304	Acrylic Upper Body - Cast Lower Body w/ Downlight
• OW2306	Cast Body - Downlight (or Uplight) Only
• OW2308	Acrylic Upper Body - Cast Lower Body/No Downlight

SUGGESTED VARIATION

- Custom finish colors
- Colored diffusers
- Alternate beam angles
- Reduced lumen output

See [Visalighting.com/Products/Scope](https://visalighting.com/Products/Scope) for more information

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

DATE	PROJECT	FIRM	TYPE
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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	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
COLOR CONSISTENCY
LUMEN DEPRECIATION

WATTS	3-STEP MACADAM ELLIPSE			
	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/raise for the most updated information.

DATE	PROJECT	FIRM	TYPE	
ELECTRICAL	WATTAGE POWER FACTOR THD OPERATING VOLTAGE DRIVER STARTUP TEMPERATURE OPERATING TEMPERATURE STORAGE TEMPERATURE	LOW OUTPUT = 4 W; MEDIUM OUTPUT = 7.5 W; HIGH OUTPUT = 11.5 W >0.9 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO) <0.2 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO) MULTIVOLT: 110-277 VAC, 50/60 Hz INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS -40 °F TO 122 °F (-40 °C TO 50 °C) -40 °F TO 122 °F (-40 °C TO 50 °C) -40 °F TO 176 °F (-40 °C TO 80 °C)		
CONTROL	DIMMING	110-277 VAC, ELV TYPE, REVERSE PHASE, TRAILING EDGE		
PHYSICAL	DIMENSIONS HOUSING/LENS WEIGHT ENVIRONMENT MOUNTING OPTIONS WIRING TOOLS WIND LOAD (EPA) CORROSION RESISTANT	W 2.49" x H 8.13" x L 6.97" ; (63.33 mm x 206.45 mm x 177.05 mm) EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS 1.25 LBS / 0.56 KG OUTDOOR • UL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 MEETS 3G ANSI C136.31 VIBRATION STANDARD FOR BRIDGE APPLICATIONS 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 LENGTH OF FLYING LEADS 19" (482.6 mm) LENGTH OF EXTERNAL CABLE 10' (3.05 m) 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 EFFECTIVE PROJECTED AREA 0.14 ft² 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



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)

Interchangeable 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

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



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 RISE™, SLIM COVE™, FREEDOM TO CREATE™, MACRO™, FLIP-TO-FLAT™ ARE TRADEMARKS OF ECOSENSE LIGHTING INC.

DATE	PROJECT	FIRM	TYPE
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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
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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)
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Color Filters

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

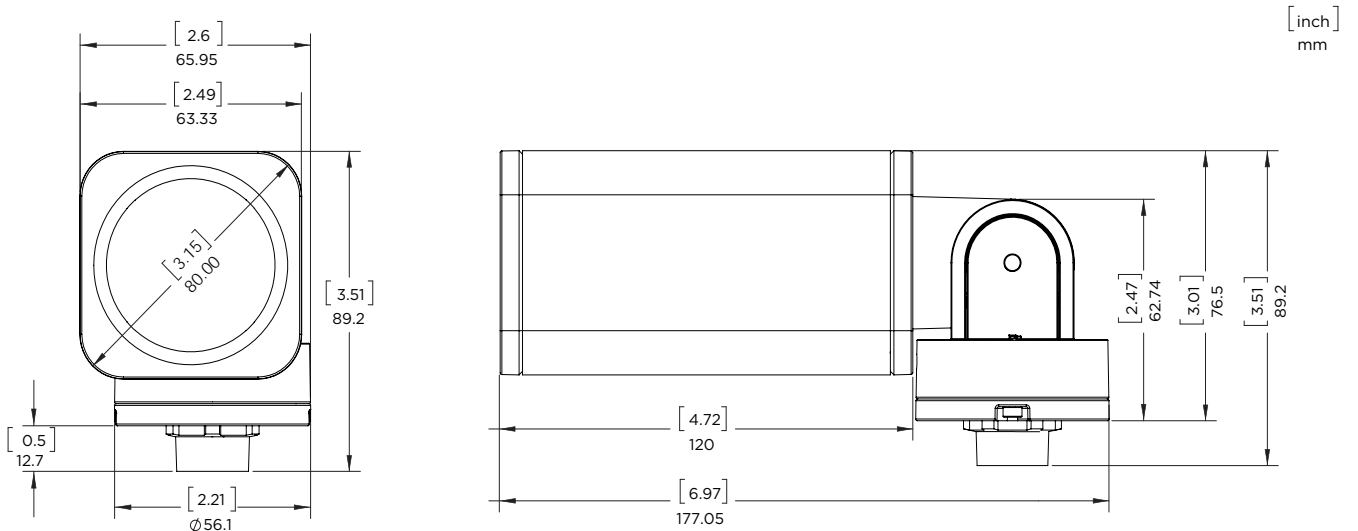
F080 Wall Mount Arm (for use only with Wiring Option C - External Cable Bottom Exit and not for use with multi-up fixtures)

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
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DIMENSIONS



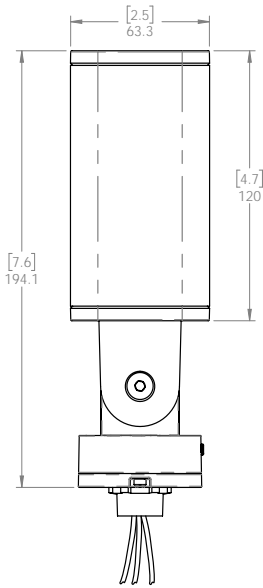
NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/raise for the most updated information.

DATE	PROJECT	FIRM	TYPE
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WIRING GUIDE

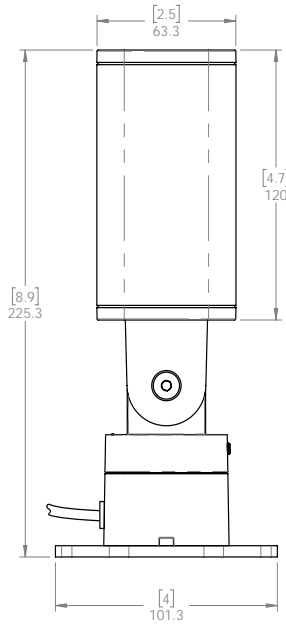
RISE is an interior and exterior rated (IP66) fixture that is available in three different wiring options:

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



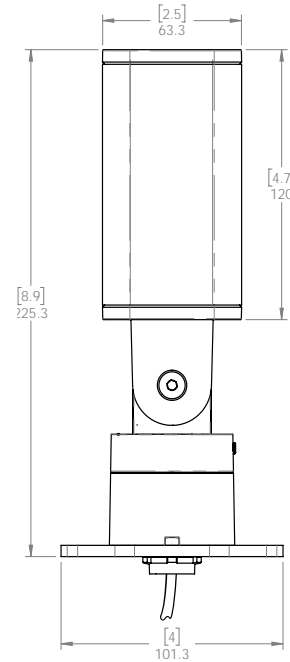
- For use with standard junction boxes
- 1/2" NPT Taper, Cable Length is 19"
- Compatible with EcoSense Canopy junction Box Cover
- 18 AWG Stranded Copper Cable - 3 Conductors

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/raise for the most updated information.

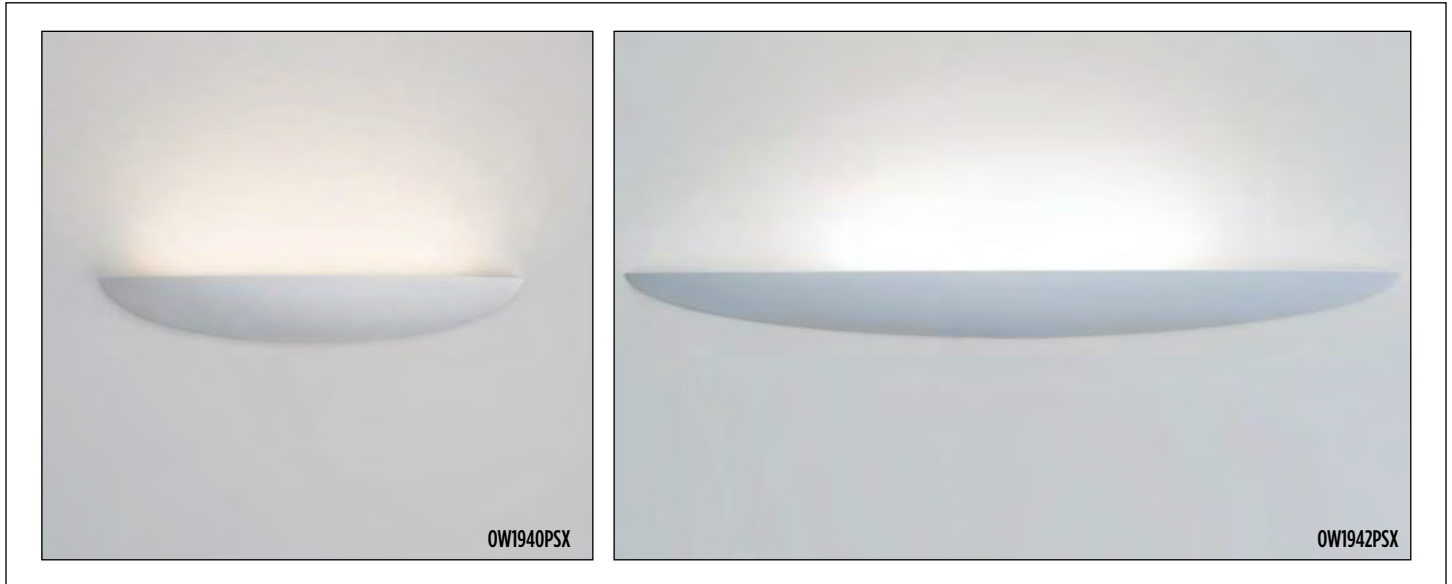
ESCAPE™

OW1940PSX_ OW1942PSX Low Voltage – Outdoor



Visalighting.com/products/Escape

Type: _____ Project: _____ Location: _____

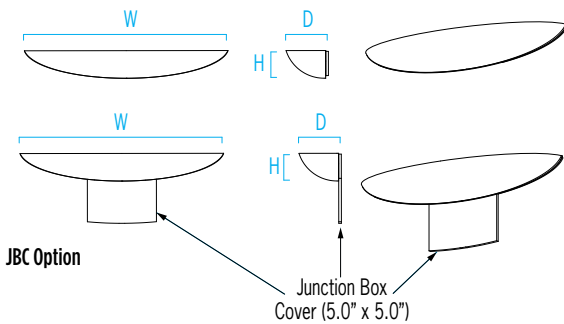


DIMENSIONS¹

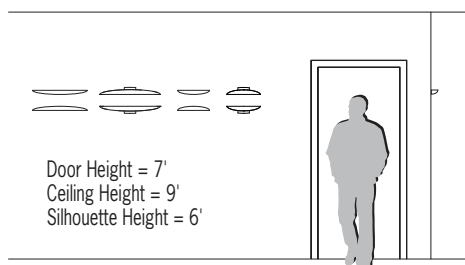
Depth is measured from wall to front of fixture

W = Width H = Height D = Depth

	OW1940PSX	OW1942PSX
W	14-3/8" (365 mm)	26-1/2" (673 mm)
H	2" (51 mm)	
D	2-7/8" (73mm)	3-1/4" (83 mm)



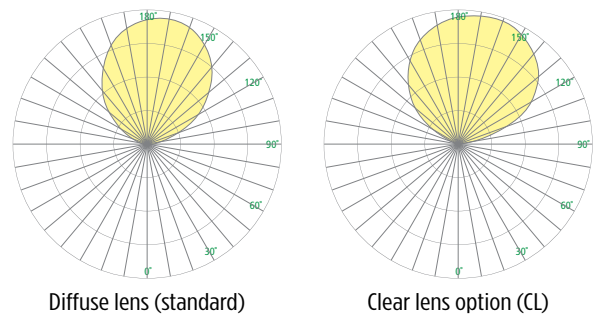
RELATIVE SCALE DRAWING



FEATURES

- Use with PS24 Series of 24VDC Class II remote power supplies. Each PS24 can power multiple fixtures and is available with 0-10V dimming. System costs are reduced by distributing the PS24 over multiple fixtures Low-voltage Class II wiring between the PS24 and connected fixtures simplifies installation. The PS24 is not included with fixtures; order separately.
- Modular design for replacement of LED source
- Uplight or downlight application
- IP65 rated
- Slim profile die cast aluminum housing
- Sandblasted acrylic top lens
 - FI rated
 - UV stable
- Optional high impact resistant, polycarbonate clear lens (CL option)
- No VOC powder coat paint finish
- ETL listed for wet location mounting 4' above grade

PHOTOMETRICS



IP65



ADA Compliant



ETL Listed



5 Year Warranty

ESCAPE (cont.)

OW1940PSX_OW1942PSX Low Voltage – Outdoor



Fill in shaded boxes using information listed below

- 24VDC				
MODEL¹ OW1940PSX OW1942PSX	SOURCE² L30K L35K L40K	VOLTAGE 24VDC	FINISH See last page for finish order codes	OPTION(S)³ CL JBC

Power supply is not included - Order Separately (See Accessories Section below)

SOURCE² (Select one)

Dimmable 0-10V to 1%, Minimum 80CRI, within 3-step MacAdam

SOURCE	CCT	OW1940PSX – 15"			OW1942PSX – 27"		
		Delivered Lumens		Power (Watts)	Delivered Lumens		Power (Watts)
		Diffuse Lens (Standard)	Optional Clear Lens (CL)		Diffuse Lens (Standard)	Optional Clear Lens (CL)	
L30K	3000K	450	550	9	900	1100	17
L35K	3500K						
L40K	4000K						

VOLTAGE

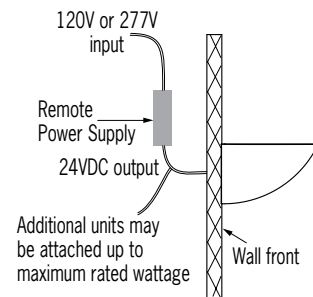
Watts are per fixture when operated with remote driver

24VDC	24VDC
-------	-------

OPTIONS³ (Multiple Selections Allowed)

CL	Clear, polycarbonate top lens, high impact resistant. Top lens is frosted acrylic if no option is selected
JBC	Junction Box Cover (5" square) for use with an existing 4" junction box. Painted to match finish

MOUNTING DETAIL (PSX Models)

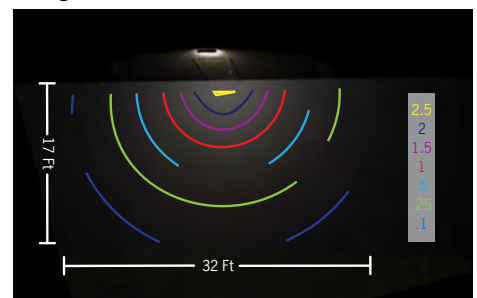


ACCESSORIES (Order separately)

PS-24VDC90W01	24VDC 90 watt power supply; no dimming, specify 120V or 277V input. 75' maximum remote distance using 16 AWG wire. Express 10 day shipping option (XPS) available.
PS-24VDC90W02	24VDC 90 watt power supply; 0-10V dimmable to 10%, specify 120V or 277V input. 20' maximum remote distance. Express 10 day shipping option (XPS) available.

PATH OF EGRESS

OW1940PSX/OW1942XPS mounted 9' above grade, .70 light loss factor used



ESCAPE (cont.)

OW1940PSX_ OW1942PSX Low Voltage – Outdoor



ESCAPE PRODUCT FAMILY

Indoor	Line Voltage	15"	▪ CB1944
		27"	▪ CB1948
	Low Voltage – Remote Power Supply	15"	▪ CB1944PSX
		27"	▪ CB1948PSX
Outdoor	Low Voltage – Remote Power Supply	14"	▪ OW1940PSX
		27"	▪ OW1942PSX

SUGGESTED VARIATIONS

- Custom colors

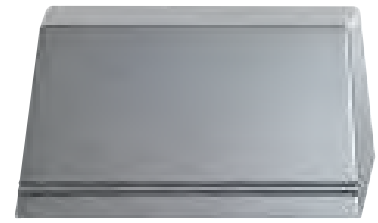
See [Visalighting.com/products/Escape](https://visalighting.com/products/Escape) for more information

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



Gardco 111 LED mini sconce luminaires are compact in size, perfect for low mounting height wall mount applications. 111 LED luminaires are designed to integrate naturally to wall surfaces. 111 LED luminaires are available in Type 2, 3, and 4 distributions, and provide output from 1,300 to 4,600 lumens.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering guide

example: 111L-16L-550-CW-G3-2-UNV-PCB-F1-BK

Prefix	No. of LEDs	Drive Current	Color / Generation	Distribution	Voltage	Controls	Electrical	Finish
111L	16							
111L Trapezoidal Wedge Mini Sconce LED	16L 16 LED module	200 200mA 350 350mA 550 550mA 750 750mA	WW-G3 Warm White 3000K, 70 CRI generation 3 NW-G3 Neutral White 4000K, 70 CRI generation 3 CW-G3 Cool White 5000K, 70 CRI generation 3 WY-G3 Warm Yellow 2700K, 80 CRI Generation 3 ² BW-G3 Balanced White 3500K 80CRI Generation 3 ² AM-G3 Direct Amber (590nm) Generation 3 ²	2 Type II Wide Throw Optic, with maximized lateral throw 3 Type III Preferred Wide Throw Optic, with improved forward throw 4 Type IV Maximized forward throw optic	UNV 120-277V 50hz/60hz 120 120V 208 208V 240 240V 277 277V	PCB Photocontrol Button ¹	F1 Single fusing (120, 277VAC) ¹ F2 Double fusing (208, 240VAC) ¹ F3 Canadian double pull fusing (208, 240VAC) ¹	Textured BK Black WH White BZ Bronze DGY Dark Grey MGY Medium Grey Customer specified RAL Specify optional color or RAL (ex: OC-LGP or OC-RAL7024) CC Custom color (must supply color chip for required factory quote)

1. Provide specific input voltage.
2. Extended lead times apply. Contact factory for details.

Accessories (ordered separately)



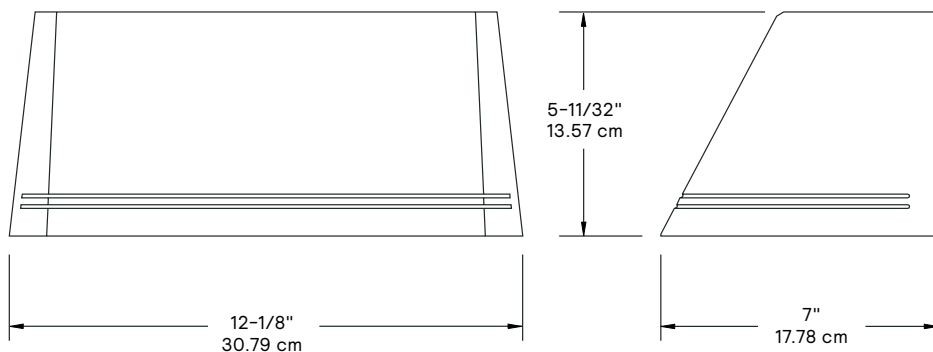
Wall Mount

WS Wall Mounted Box for Surface Conduit



111 LED Mini Wall Sconce

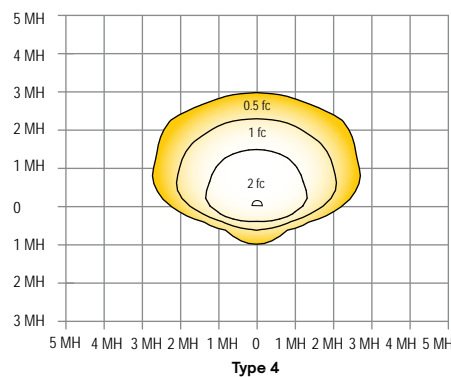
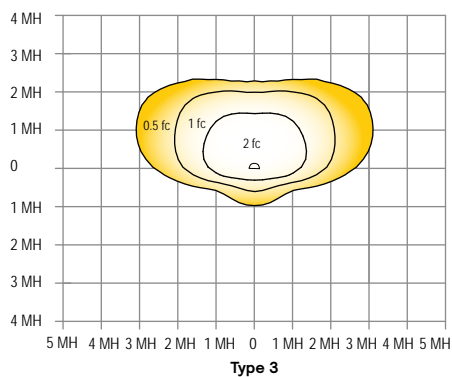
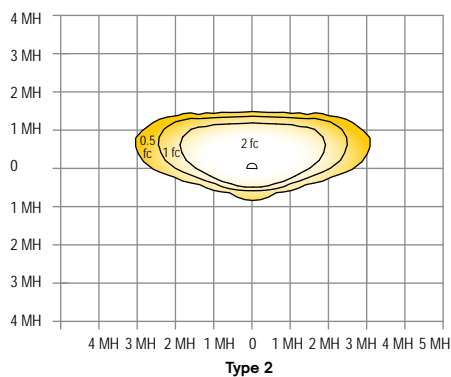
Dimensions



Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 1/4" (.64cm) diameter bolts (by others) structurally to the wall.

Weight: 6.6 lbs

Optical Distributions



111 LED Mini Wall Sconce

3000K LED Wattage and Lumen Values

CAT LOGIC	LED QTY	System Current (mA)	Color Temp	Avg System Wattage (W)	2			3			4		
					Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating
111L-16L-200-WW-G3-x	16	200	3000	12	1370	114	B1-U0-G0	1343	112	B0-U0-G0	1315	110	B0-U0-G0
111L-16L-350-WW-G3-x	16	350	3000	18	2304	128	B1-U0-G0	2260	126	B1-U0-G1	2213	123	B1-U0-G1
111L-16L-550-WW-G3-x	16	550	3000	29	3503	121	B1-U0-G0	3435	118	B1-U0-G1	3363	116	B1-U0-G1
111L-16L-750-WW-G3-x	16	750	3000	39	4598	117	B1-U0-G1	4509	114	B1-U0-G1	4415	112	B1-U0-G1

4000K LED Wattage and Lumen Values

CAT LOGIC	LED QTY	System Current (mA)	Color Temp	Avg System Wattage (W)	2			3			4		
					Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating
111L-16L-200-NW-G3-x	16	200	4000	12	1439	120	B1-U0-G0	1411	118	B0-U0-G0	1381	115	B0-U0-G0
111L-16L-350-NW-G3-x	16	350	4000	18	2420	134	B1-U0-G0	2373	132	B1-U0-G1	2323	129	B1-U0-G1
111L-16L-550-NW-G3-x	16	550	4000	29	3678	127	B1-U0-G0	3606	124	B1-U0-G1	3531	122	B1-U0-G1
111L-16L-750-NW-G3-x	16	750	4000	39	4828	123	B1-U0-G1	4734	120	B1-U0-G1	4636	118	B1-U0-G1

5000K LED Wattage and Lumen Values

CAT LOGIC	LED QTY	System Current (mA)	Color Temp	Avg System Wattage (W)	2			3			4		
					Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating
111L-16L-200-CW-G3-x	16	200	5000	12	1439	120	B1-U0-G0	1411	118	B0-U0-G0	1381	115	B0-U0-G0
111L-16L-350-CW-G3-x	16	350	5000	18	2420	134	B1-U0-G0	2373	132	B1-U0-G1	2323	129	B1-U0-G1
111L-16L-550-CW-G3-x	16	550	5000	29	3678	127	B1-U0-G0	3606	124	B1-U0-G1	3531	122	B1-U0-G1
111L-16L-750-CW-G3-x	16	750	5000	39	4828	123	B1-U0-G1	4734	120	B1-U0-G1	4636	118	B1-U0-G1

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.
 NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

111 LED Mini Wall Sconce

Specifications

Housing

Housings are die cast aluminum. A memory retentive gasket seals the housing to the door frame to exclude moisture, dust, insects and pollutants from the optical system. A black, die cast ribbed backplate dissipates heat for longer system life. Main body cast housing and back plate made of a low copper die cast. Hinged door allows access to driver and LED compartment.

Mounting

Mounting is completed through integral back plate that features a separate recessed feature for hook and lock quick mount plate that secures with two set screws from bottom of luminaire. Luminaire ships fully assembled, ready to install.

Light Engine

Light engine comprises of a module of 16-LED aluminum metal clad board fully sealed with optics offered in 1 module of 16 LEDs. Module is RoHS compliant. Standard color temperatures: 3000K +/-125K, 4000K, 5000K +/- 200K. Minimum CRI of 70. Also available in 2700K, 3500K, and Amber (590nm) with extended lead times. Contact factory for details. LED light engine is rated IP66 in accordance to Section 9 of IEC 60598-1.

IP Rating

Luminaires are rated IP66.

Optical system

Type 2, 3, and 4 distributions available. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (U0 per IESNA TM-15).

Electrical

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. Standard 0-10V dimming drivers. RoHS compliant.

Button Photocontrol (PCB): Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V or 208-277V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

Surge protection (SP1): Each luminaire is provided as standard with surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/5kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High Test Level 10kV / 5kA.

Finish

Five standard colors offered in textured black, white, bronze, dark gray and medium gray. Color in accordance with the AAMA 2604 standard. Application of polyester powder coat paint 2.5 mils minimum. The thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. RAL and custom color matching available.

Listings

cULus Listed for Canada and USA suitable for wet locations when mounted downward facing. cULus Listed for Canada and USA suitable for damp locations when inverted upward facing when mounted in covered ceiling application. DesignLights Consortium qualified on models as listed on DLC QPL. CCTs 3000K and warmer are Dark Sky Approved. Luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F).

Limited Warranty

111 LED mini sconce luminaires feature a 5-year limited warranty.

See signify.com/warranties for complete details and exclusions

Predicted Lumen Depreciation Data

Ambient Temperature °C	System Current	LED Current	Calculated L70hrs ^{1,2}	L70 per TM21 ^{2,3}	Lumen Maintenance @ 60,000hrs
25 °C	750 mA	750 mA	>100,000	>60,000	97%

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM 21-11. Published L70 hours limited to 6 times actual LED test hours.

Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

