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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:

Date Received _____ ☐ Initial Submittal

Paid _____ ☐ Revised Submittal

Complete all sections of this application, including the desired meeting date and the action requested. If your project requires both UDC and Land Use application submittals, a completed Land Use Application and accompanying submittal materials are also required to be submitted.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the Planning Division at (608) 266-4635.

Si necesita interprete, traductor, materiales en diferentes formatos, u otro tipo de ayuda para acceder a estos formularios, por favor llame al (608) 266-4635.

Yog tias koj xav tau ib tug neeg txhais lus, tus neeg txhais ntawv, los sis xav tau cov ntaub ntawv ua lwm hom ntawv los sis lwm cov kev pab kom paub txog cov lus qhia no, thov hu rau Koog Npaj (Planning Division) (608) 266-4635.

1. Project Information

Address (list all addresses on the project site): 702 North Midvale Boulevard, 401 North Segoe Road, 320 Price Place

Title: Hilldale Phase Three: Buildings 200, 300, and 500 SIP Submittals

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

UDC meeting date requested May 31, 2023

☑ 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)

☐ Modifications of Height, Area, and Setback

☐ Sign Exceptions as noted in Sec. 31.043(3), MGO

Other

☐ Please specify

4. Applicant, Agent, and Property Owner Information

Applicant name 401 N Segoe LLC & Hilldale Shopping Center — Company 401 North Segoe LLC. & Hilldale Shopping Center

Street address 33 Boylston Street, Suite 3000 — City/State/Zip Chestnut Hill, MA 02467

Telephone 617.405.5898 — Email chris.boyce@wsdevelopment.com

Project contact person Brian Munson — Company Vandewalle & Associates

Street address 120 East Lakeside Street — City/State/Zip Madison, WI 53715

Telephone 608.609.4410 — Email bmunson@vandewalle.com

Property owner (if not applicant) DocuSigned by: [signature] F8755330CAD8A42B... Name: Louis C Masiello, for WS Asset Management LLC It's: Senior Vice President, Asset Strategy and Development

Street address 33 Boylston St — City/State/Zip Chestnut Hill, MA 02467

Telephone _____ — Email lou.masiello@wsdevelopment.com

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URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. A request for an Informational Presentation to the UDC may be requested prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design efforts. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Modification requests)
- Initial Approval. Applicants may, at their discretion, request Initial Approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the Initial Approval must be addressed at this time.

Presentations to the Commission

The Urban Design Commission meets virtually via Zoom, typically on the second and fourth Wednesdays of each month at 4:30 p.m. Applicant presentations are strongly encouraged, although not required. Prior to the meeting, each individual speaker is required to complete an online registration form to speak at the meeting. A link to complete the online registration will be provided by staff prior to the meeting. Please note that individual presentations will be limited to a **maximum of three (3) minutes**. The pooling of time may be utilized to provide one speaker more time to present, however the additional time will be based on the number of registrants from the applicant team, i.e. two (2) applicant registrants = six (6) minutes for one (1) speaker.

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

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URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimum application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Informational Presentation

- ☐ Locator Map
- ☐ 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)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan
- ☐ Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1"= 40' or larger

*** All plans must be legible, including the full-sized landscape and lighting plans (if required)*

2. Initial Approval

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- ☐ Landscape Plan and Plant List (*must be legible*)
- ☐ Building Elevations in **both** black & white and color for all building sides, including material and color callouts
- ☐ PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

3. Final Approval

All the requirements of the Initial Approval (see above), **plus**:

- ☐ Grading Plan
- ☐ Lighting Plan, including fixture cut sheets and photometrics plan (must be legible)
- ☐ Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- ☐ Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- ☐ PD text and Letter of Intent (if applicable)
- ☐ Samples of the exterior building materials
- ☐ Proposed sign areas and types (if applicable)

4. Signage Approval *(Comprehensive Design Review (CDR), Sign Modifications, and Sign Exceptions (per Sec. 31.043(3))*

- ☐ Locator Map
- ☐ Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Modifications criteria is required)
- ☐ Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- ☐ Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- ☐ Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- ☐ Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- ☐ Illustration of the proposed signage that meets Ch. 31, MGO compared to what is being requested
- ☐ Graphic of the proposed signage as it relates to what the Ch. 31, MGO would permit

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5. Required Submittal Materials

☐ **Application Form**

- 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.

☐ **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 Comprehensive Design Review (CDR) or Signage Modification review criteria is required.

☐ **Development Plans** (Refer to checklist on Page 4 for plan details)

☐ **Filing Fee** (Refer to Section 7 (below) for a list of application fees by request type)

☐ **Electronic Submittal**

- Complete electronic submittals must be received prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. All plans must be legible and scalable when reduced. Individual PDF files of each item submitted should be submitted via email to UDCapplications@cityofmadison.com. The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

☐ **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.

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 _____ on _____.
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 401 N Segoe LLC & Hilldale Shopping Center Relationship to property Owner

Authorizing signature of property owner _____ Date May 15, 2023

7. Application Filing Fees

Fee payments are due by the submittal date. Payments received after the submittal deadline may result in the submittal being scheduled for the next application review cycle. Fees may be paid in-person, via US Mail, or City drop box. If mailed, please mail to: *City of Madison Building Inspection, P.O. Box 2984, Madison, WI 53701-2984*. The City's drop box is located outside the Municipal Building at 215 Martin Luther King, Jr. Blvd. on the E Doty Street side of the building. Please make checks payable to *City Treasurer*, and include a completed application form or cover letter indicating the project location and applicant information with all checks mailed or submitted via the City's drop box.

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

☐ Urban Design Districts: $350 *(per §33.24(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 Sign Modifications (of 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

VANDEWALLE & ASSOCIATES INC.

To: Urban Design Commission

From: Brian Munson

CC: Chris Boyce, WS Development

Date: Friday, June 09, 2023

Re: UDC Final Approval Set

Attached please find a revised submittal packet for the 500 building within the Hilldale Shopping Center. This plan set reflects the input from UDC and is submitted with a request for final approval.

This plan set addresses the following items raised in the initial approval:

- Incorporate columnar evergreens/junipers within the planting strips along the north elevation at architectural column locations.
- Incorporate more significant plantings, including raised planters at the building entry on the north elevation.
- Incorporate more details into the long wall expanses along the street that would help break down the wall, including but not limited to terracing the wall, incorporating a cantilevered seat element into the wall, or incorporating design details to add color, textures, or pattern within the wall.
- The applicant shall provide additional detailing of the blue trellis.
- The applicant shall review the institutional look of the building (Building 500), and see how they can change or reduce that perception through material selection, openings, etc. Refinement of proportions and architectural elements, rhythm and direction being horizontal versus vertical.

The following items are agreed to:

- On Building 200, the corrugated metal panel shall be painted to reflect the renderings.
- Fixture L5 shall be revised to be meet code requirements for cutoff and shielding.

120 East Lakeside Street • Madison, Wisconsin 53715 • 608.255.3988 • 608.255.0814 Fax
247 Freshwater Way, Suite 530 • Milwaukee, Wisconsin 53204 • 414.988.8631
www.vandewalle.com



Hilldale Phase 3 Development

UDC SUBMISSION | 6.6.23

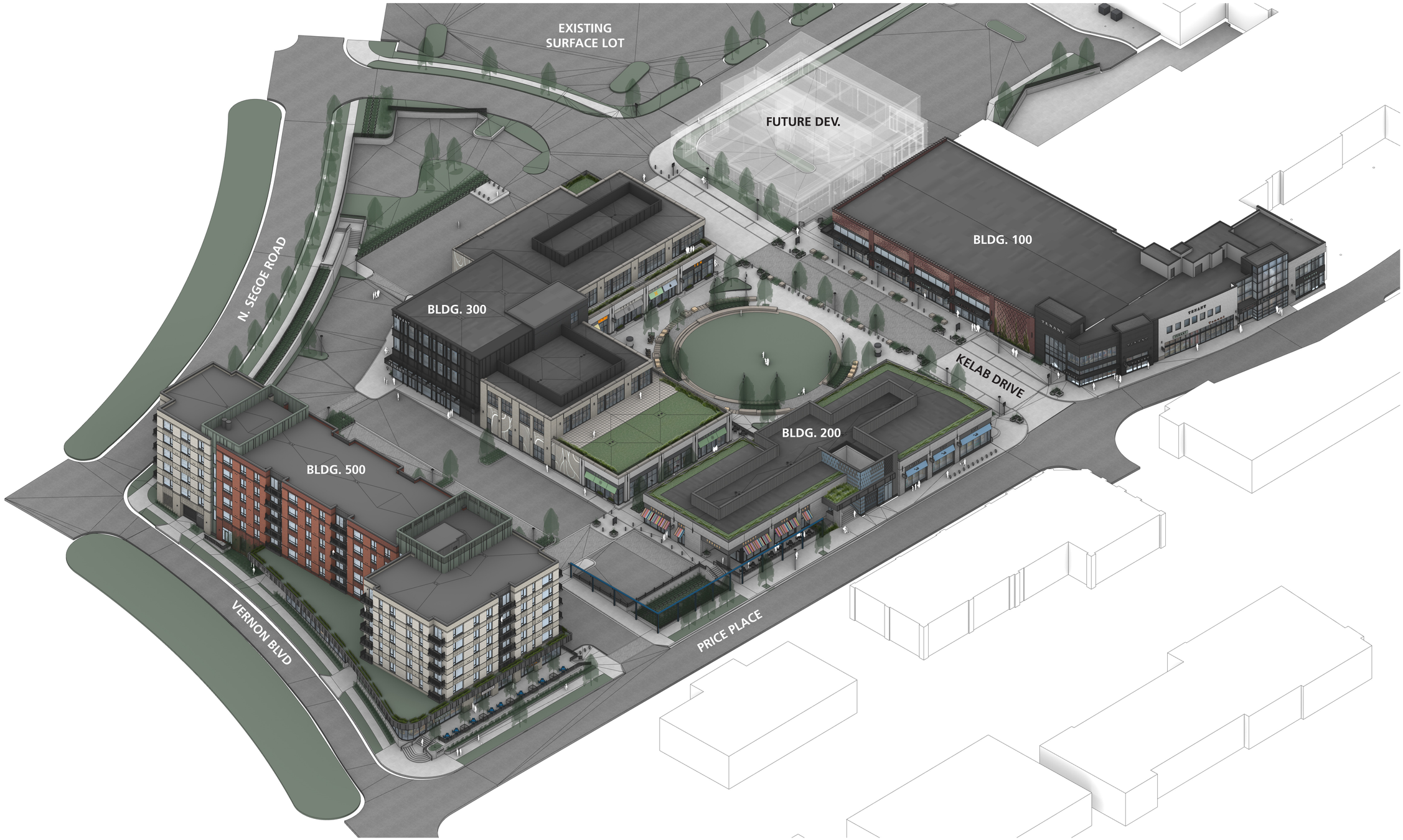
REALM COLLABORATIVE

Site Experience Design &
Landscape Architecture

WS

Owner &
Developer

HILLDALE PHASE 3 Isometric Views of Site



HILLDALE PHASE 3 View Looking Northwest

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HILLDALE PHASE 3 Isometric Views of Site

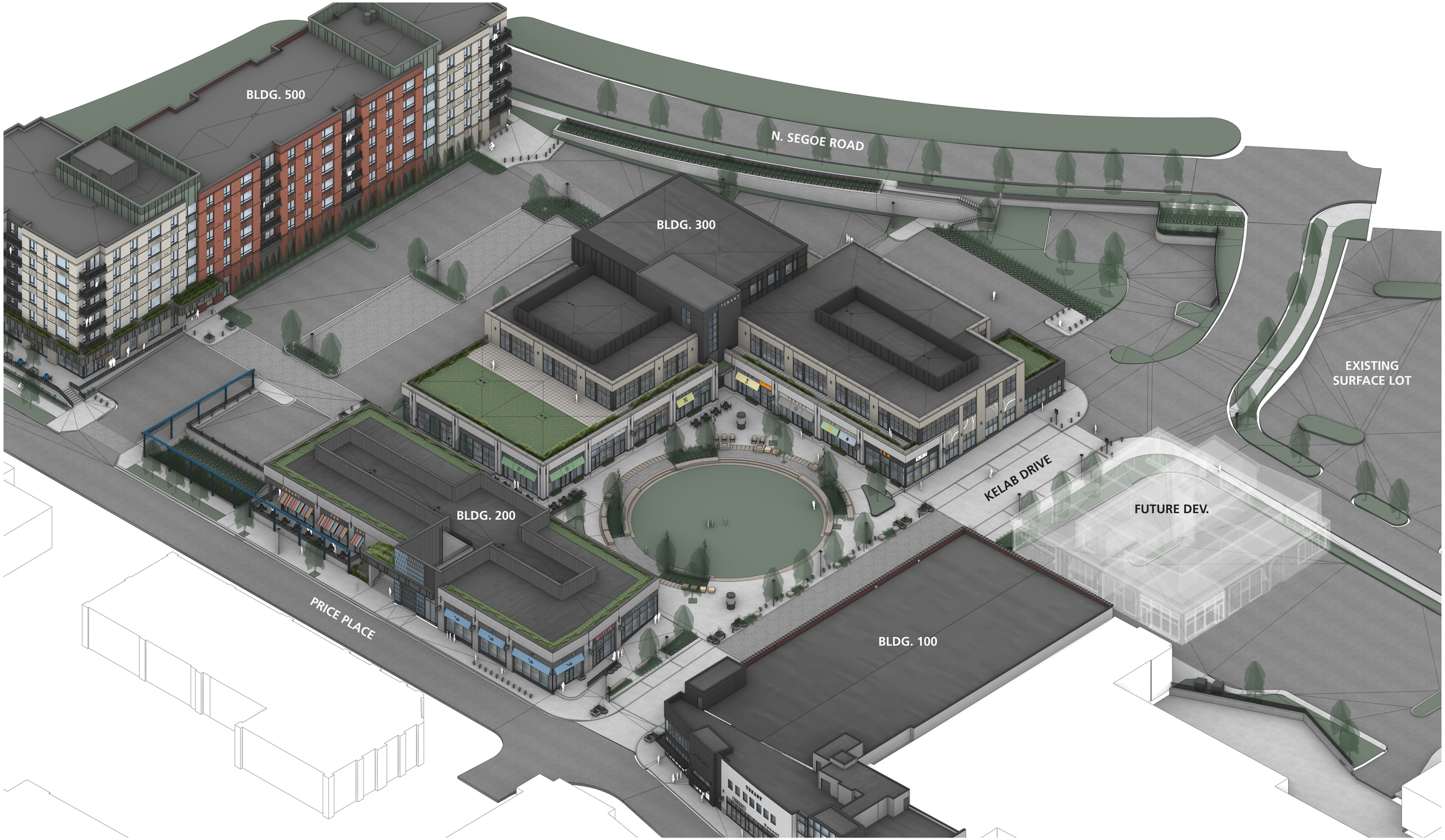


HILLDALE PHASE 3 View Looking Southeast

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HILLDALE PHASE 3 Isometric Views of Site



HILLDALE PHASE 3 View Looking Southwest

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RESIDENTIAL CORNER

RETAIL ENTRY AT PRICE PLACE + VERNON

PREVIOUSLY SUBMITTED





HILLDALE PHASE 3 View from Corner of Vernon Boulevard and Price Place

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HILLDALE PHASE 3 View from Corner of Vernon Boulevard and Price Place

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RESIDENTIAL CORNER

RETAIL ENTRY AT PRICE PLACE + VERNON

PROPOSED



RESIDENTIAL CORNER

RETAIL ENTRY AT PRICE PLACE + VERNON

PROPOSED





RESIDENTIAL CORNER

RETAIL ENTRY AT PRICE PLACE

PREVIOUSLY SUBMITTED



RESIDENTIAL CORNER

RETAIL ENTRY AT PRICE PLACE

PROPOSED

HILLDALE PHASE 3 Views from Site



HILLDALE PHASE 3 View from Price Place

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BIORETENTION CORNER

RETAIL ENTRY AT PRICE PLACE

PREVIOUSLY SUBMITTED



BIORETENTION CORNER

RETAIL ENTRY AT PRICE PLACE

PROPOSED

BIORETENTION CORNER

RETAIL ENTRY AT PRICE PLACE

PROPOSED





HILLDALE PHASE 3 View of Entrance Canopy from Vernon Boulevard

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GENERAL NOTES

1. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF OTHER REGULATORY AGENCIES.

2. CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF ANY CONFLICT EXISTS. THESE DRAWINGS DO NOT RELIEVE CONTRACTOR OF ITS DUTY TO FULLY COMPLETE AND COMPLY INCLUDING, AND WITHOUT LIMITATION, THE NEED TO CHECK, CONFIRM AND COORDINATE ALL DIMENSIONS AND DETAILS, TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS AND COORDINATE WORK WITH THAT OF OTHER CONTRACTORS FOR THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND OTHER RELATED ITEMS PRIOR TO THE START OF CONSTRUCTION OF THIS PROJECT.

3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

4. IMPROVEMENTS OCCUR ON AN EXISTING SITE. OWNER TO PROVIDE ALL NECESSARY ADDITIONAL DRAWINGS AND INFORMATION TO CONTRACTOR FOR REFERENCE. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE EXISTING. THE LOCATIONS HAVE NOT BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY AND COMPLETENESS OF THE INFORMATION SHOWN. THE EXACT LOCATION AND ELEVATION OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR.

5. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE WORK INDICATED ON THE LANDSCAPE DRAWINGS IN ACCORDANCE WITH THE WISONSIN BUILDING CODE.

6. REPORT DISCREPANCIES IN DRAWINGS OR SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR CLARIFICATIONS AND ADJUSTMENTS BEFORE COMMENCING WORK. ANY DEVIATIONS OR CHANGES IN THESE DRAWINGS WITHOUT WRITTEN ACCEPTANCE OF THE LANDSCAPE ARCHITECT SHALL ABSOLVE THE LANDSCAPE ARCHITECT OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION AND CHANGE.

7. IF LIVE UTILITIES ARE ENCOUNTERED, NOT INDICATED PREVIOUSLY, PROTECT THE SAME FROM DAMAGE AND IMMEDIATELY NOTIFY THE OWNER AND THE AFFECTED UTILITY PROVIDER. DO NOT PROCEED UNTIL FURTHER INSTRUCTIONS ARE RECEIVED.

8. BACKFILL UTILITY LINES EXPOSED BY WORK OPERATIONS AND REPAIR BEDDING AND BACKFILL MATERIAL OF UTILITIES THAT IS DISPLACED AND DAMAGED DURING WORK. REPLACE CONTAMINATED MATERIALS WITH NEW MATERIALS MATCHING THE EXISTING MATERIALS.

9. DIMENSIONS INDICATED ON PLANS ARE FOR HORIZONTAL CONTROL ARE ACCURATE IF MEASURED ON A LEVEL LINE. MEASURE HORIZONTAL CONTROL DIMENSIONS ON A LEVEL LINE, NOT PARALLEL WITH GROUND SLOPE.

10. REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING CIRCUITRY, AND REFER TO THE SPECIFICATIONS FOR THE LIGHT FIXTURE SCHEDULE.

11. PROTECT EXISTING STRUCTURES AND ELEMENTS TO REMAIN INCLUDING BUT NOT LIMITED TO: UTILITIES, PAVEMENT, FENCES, COLUMNS, ETC.

12. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

13. OBTAIN ALL NECESSARY PERMITS PRIOR TO DEMOLITION.

14. REMOVE ALL DEBRIS ASSOCIATED WITH THIS DEMOLITION. IN NO INSTANCE SHALL MATERIAL BE BURIED ON THE SITE. DISPOSE ALL ITEMS REMOVED OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES.

15. RESTORE ADJACENT PROPERTIES OR STRUCTURES THAT MAY BECOME DAMAGED AS A RESULT OF DEMOLITION CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE PROJECT.

16. PROTECT ALL EXISTING SITE FEATURES TO REMAIN. REPAIR ANY DAMAGES TO THE SATISFACTION OF THE PROPERTY OWNER AT NO ADDITIONAL COST TO THE PROJECT.

17. IF A UTILITY SHUT-DOWN IS REQUIRED, NOTIFY THE UTILITY OWNER AND ALL AFFECTED PARTIES IN WRITING 2 WEEKS PRIOR TO BEGINNING WORK. OBTAIN APPROVAL FROM UTILITY OWNER PRIOR TO SHUT-DOWN.

18. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION FENCING, CONSTRUCTION TRAFFIC AND MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE PROJECT SITE. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE LIGHTS, SIGNS, BARRICADES, AND OTHER DEVICES TO WARN AND PHYSICALLY SEPARATE THE PEDESTRIANS AND VEHICULAR TRAFFIC FROM THE HAZARDS OF THE CONSTRUCTION AND DEMOLITION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. THE CONTRACTOR SHALL PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC FROM CONSTRUCTION TRAFFIC AT ALL TIMES DURING THE PROJECT.

19. SET STRAIGHT LINE GRADES BETWEEN ELEVATIONS UNLESS OTHERWISE SHOWN.

20. COORDINATE PENETRATIONS REQUIRED FOR IRRIGATION AND SUBDRAINAGE AND ELECTRICAL WORK WITH CONCRETE WORK.

21. REFER TO CIVIL DRAWINGS FOR SANITARY SEWER LINES AND STORM DRAIN LINES AND OTHER UTILITY LINES.

@	AT	FG	FINISH GRADE	SA	STABILIZED AGGREGATE PAVING
AD	AREA DRAIN	FH	FIRE HYDRANT	SAD	SEE ARCHITECTURAL DRAWINGS
AG	AGGREGATE PAVING	FL	FLOW LINE	SCD	SEE CIVIL DRAWINGS
AM	AGGREGATE MULCH	FOC	FACE OF CURB	SD	SLOT DRAIN
AP	ASPHALT PAVEMENT	FOW	FACE OF WALL	SED	SEE ELECTRICAL DRAWINGS
B&B	BALL AND BURLAP	FS	FINISH SURFACE	SGB	SUBGRADE GRADE BREAK
BC	BOTTOM OF CURB	GALV	GALVANIZED	SGS	SUBGRADE SUBSURFACE
BD	BOLLARD	GB	GRADE BREAK	SH	STEEL HEADER
BE	BUILDING ENTRY	GJ	GROUT JOINT	SIM	SIMILAR
BF	BOTTOM OF FENCE	HH	HANDHOLE	SJ	SCORE JOINT
BFP	BOTTOM OF FENCE POST	HORIZ	HORIZONTAL	SPD	SEE PLUMBING DRAWINGS
BLDG	BUILDING	HP	HIGH POINT	SS	STAINLESS STEEL
BOC	BACK OF CURB	HT	HEIGHT	SSD	SEE STRUCTURAL DRAWINGS
BN	BENCH	ID	INSIDE DIAMETER	STD	STANDARD
BP	BRICK PAVEMENT	IE	INVERT ELEVATION	TA	TOP OF ANGLE
BW	BOTTOM OF WALL	INV	INVERTED	TB	TOP OF BOLLARD
CAL	CALIPER	LH	LAYOUT LINE OF HEADER	T&B	TOP AND BOTTOM
CB	CATCH BASIN	LONGIT	LONGITUDINAL	TC	TOP OF CURB
CC	CONCRETE CURB	LOW	LIMIT OF WORK	TCJ	TOOLED CONTROL JOINT
CH	CONCRETE HEADER	LP	LOW POINT	TD	TRENCH DRAIN
CJ	CONTROL JOINT	LT	LIGHT POLE	TF	TOP OF FENCE
CL	CENTERLINE	M	MANHOLE	TFG	TOP OF FOOTING
CLR	CLEARANCE	MAX	MAXIMUM	TH	TOP OF HEADER
CO	CLEANOUT	ME	MATCH EXISTING	TIHP	TRENCH INVERT HIGH POINT
COL	COLUMN	MFR	MANUFACTURER	TIO	TRENCH INVERT OUTLET
COJ	CONSTRUCTION JOINT	MIN	MINIMUM	TOC	TRASH RECEPTACLE
CONC	CONCRETE	NIC	NOT IN CONTRACT	TP	TOP OF CONCRETE
CONT	CONTINUOUS	NTS	NOT TO SCALEON CENTER	TR	TOP OF PLINTH
CP	CONCRETE PAVEMENT	OOC	ON CENTER EACH WAY	TS	TREE
CR	CURB RAMP	OOEW	OUTSIDE DIAMETER	TW	TOP OF STAIR
DIA	DIAMETER	OD	OVERFLOW PIPE	TRANS	TOP OF WALL
DM	DETENTION MANHOLE	OP	OPPOSITE	TRB	TRANSVERSE
DN	DOWN	OPP	PLANTING AREA	TS	TOP OF ROOT BALL
DWG	DRAWING	PA	POINT OF CURVATURE	TSP	TOP OF STEP
EA	EACH	PCPD	PLANTING DRAIN	TYP	TOP OF STEEL PLATE
EF	EACH FACE	PED	PEDESTRIAN	UDP	TYPICAL
EJ	EXPANSION JOINT	PERF	PERFORATED	VEH	UNDERGROUND DRAIN PIPE
EL	ELEVATION	POB	POINT OF BEGINNING	VERT	VEHICULAR
EL	ELEVATION	POC	POINT OF CONNECTION	WL	VERTICAL
EP	EDGE OF PAVEMENT	PT	POINT OF TANGENCY	WPM	WATER PROOF MEMBRANE
EQ	EQUAL	R	RADIUS	WWF	WELDED WIRE FABRIC
EW	EACH WAY	RB	ROOT BARRIER	W/	WITH
EX	EXISTING	RIM	RIM ELEVATION		
FCJ	FORMED CONTROL JOINT	ROW	RIGHT OF WAY		
FFE	FINISHED FLOOR ELEVATION	S	SLOPE		

GENERAL ANNOTATIONS

PROPERTY LINE

LIMIT OF WORK LINE

MATCHLINE

CENTERLINE

SECTION
SECTION NUMBER
SHEET NUMBER

TYP — REFERENCE TO DETAIL THAT APPLIES WHEN IMAGE IS TYPICAL

SIM — REFERENCE TO DETAIL THAT APPLIES WHEN IMAGE IS SIMILAR TO THE DETAIL

INV — REFERENCE TO DETAIL THAT APPLIES WHEN IMAGE IS SWITCHED FROM LEFT TO RIGHT

ENLARGED PLAN AREA

ELEVATION

ALIGN

SLOPE RATIO

BREAKLINE

DIMENSION



LOCATION MAP

LANDSCAPE SHEET INDEX

Sheet Number	Sheet Name
L001	LANDSCAPE DRAWING INDEX
L100	LANDSCAPE SITE PLAN - OVERALL
L111	LANDSCAPE SITE PLAN - ZONE 1
L112	LANDSCAPE SITE PLAN - ZONE 2
L113	LANDSCAPE SITE PLAN - ZONE 3
L114	LANDSCAPE SITE PLAN - ZONE 4
L115	LANDSCAPE SITE PLAN - ZONE 5
L116	LANDSCAPE SITE PLAN - ZONE 6 + 7
L117	LANDSCAPE SITE PLAN - ZONE 8
L118	LANDSCAPE SITE PLAN - ZONE 9
L170	LANDSCAPE PLAN - OVERALL
L171	LANDSCAPE PLAN - ZONE 1
L172	LANDSCAPE PLAN - ZONE 2
L173	LANDSCAPE PLAN - ZONE 3
L174	LANDSCAPE PLAN - ZONE 4
L175	LANDSCAPE PLAN - ZONE 5
L176	LANDSCAPE PLAN - ZONE 6 + 7
L177	LANDSCAPE PLAN - ZONE 8
L178	LANDSCAPE PLAN - ZONE 9
L179	LANDSCAPE PLAN - SUSPENDED PAVEMENT
L500	LANDSCAPE PAVEMENT DETAILS
L501	LANDSCAPE PAVEMENT DETAILS
L510	LANDSCAPE ELEMENTS DETAILS
L511	LANDSCAPE STONE DETAILS
L512	LANDSCAPE METAL FRAME DETAILS
L513	LANDSCAPE MISC METAL DETAILS
L514	LANDSCAPE STAIR DETAILS
L515	LANDSCAPE PRECAST ELEMENTS
L516	LANDSCAPE WALL DETAILS
L530	LANDSCAPE PLANTING DETAILS
L531	LANDSCAPE PLANTING DETAILS

REALM COLLABORATIVE
100 E BROAD STREET
SUITE 1710
COLUMBUS, OHIO 43215
PHONE 614.670.7390
www.REALMCOLLABORATIVE.com

PROJECT INFORMATION

WS Hilldale Phase 3

HILLDALE MADISON

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

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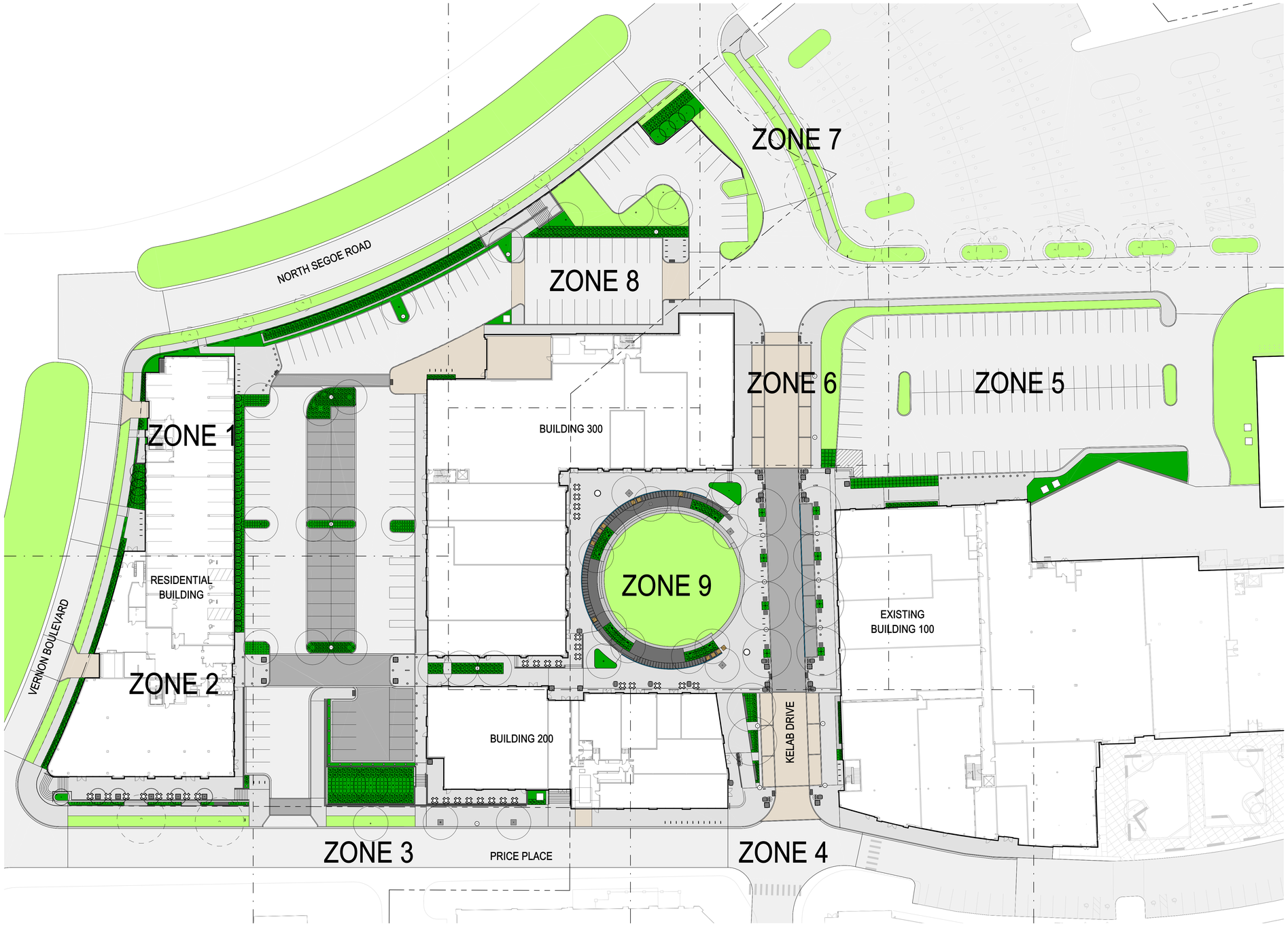
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PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

LANDSCAPE DRAWING INDEX

L001

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
WIS. STATUTE 182.0175 (1974) REQUIRES YOU TO GIVE THIS NOTICE BEFORE YOU EXCAVATE.



SCALE: 1" = 30'-0"

0' 15' 30' 60'

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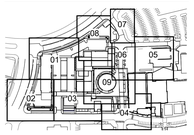
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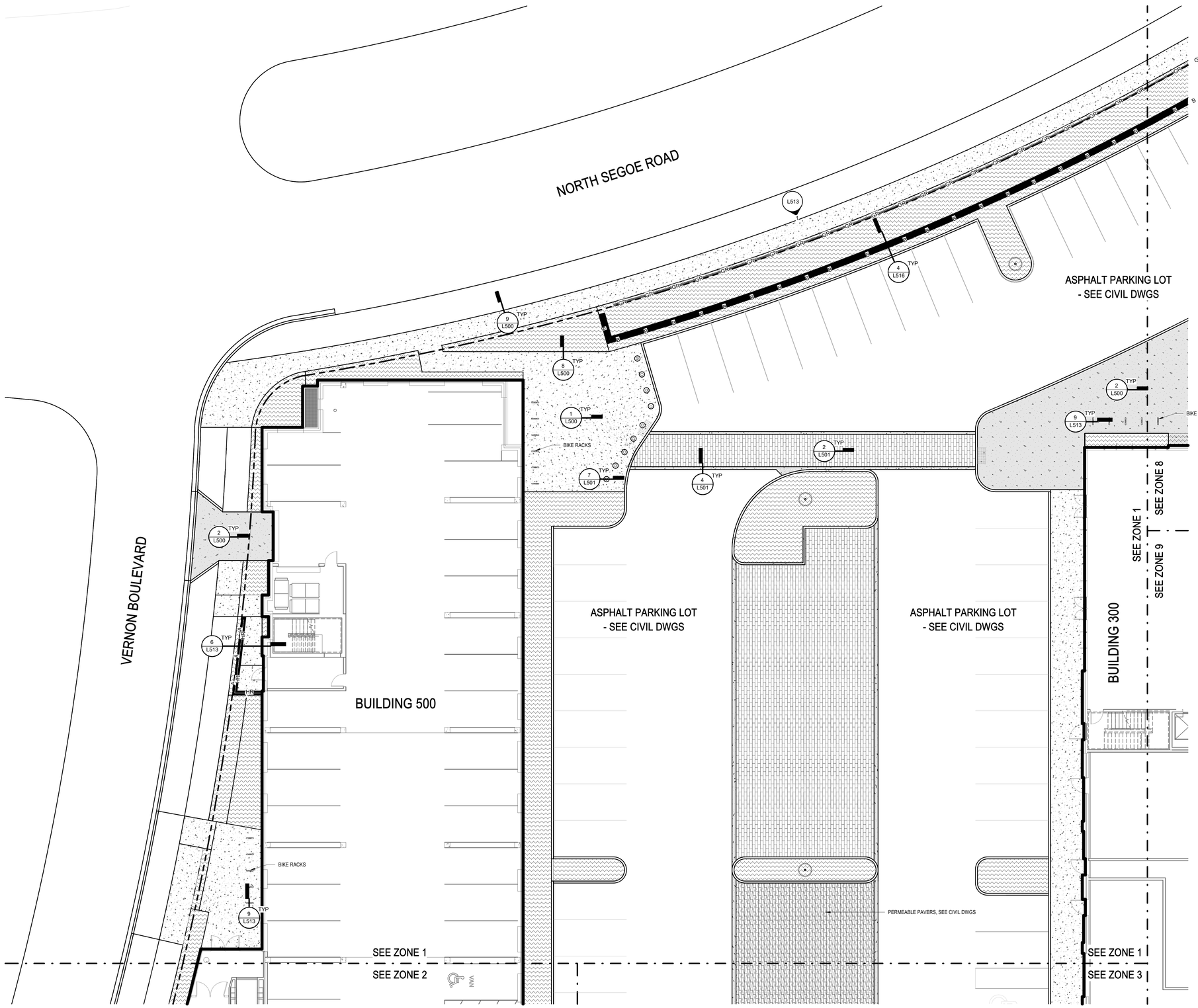
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LANDSCAPE SITE PLAN - OVERALL

L100



MULCH
- FINELY SHREDDED HARDWOOD MULCH
- DEPTH: 2" DEEP
- COLOR: NATURAL

PED VEH

CONCRETE PAVING
- PEDESTRIAN & VEHICLUAR AREAS
- LIGHT BROOM FINISH
- SAW CUT, DECORATIVE AND SEALED JOINTS
- COLOR: NATURAL

CONCRETE UNIT PAVING - TYPE 1 (NON-PERMEABLE)
- MFR: UNILOCK WWW.UNILOCK.COM
- PRODUCT: ECO-PROMENADE (11.75" X 3" X 3.875")
- COLOR: SERIES FINISH FROM MFR FULL RANGE
- NON-PERM BASE: CONCRETE SUBSLAB ON AGGREGATE BASE
- STABILIZED SAND JOINTS

CONCRETE UNIT PAVING - TYPE 2 (PERMEABLE)
- MFR: UNILOCK WWW.UNILOCK.COM
- PRODUCT: ECO-PROMENADE (11.75" X 3" X 3.875")
- COLOR: SERIES FINISH FROM MFR FULL RANGE
- PERMEABLE BASE: PER CIVIL
- SEE CIVIL DRAWINGS

GRANITE COBBLE
- PRODUCT: 4" X 4" X 4" GRANITE COBBLE
- COLOR: GREY RANGE
- BASE: SAND SETTING BED ON CONCRETE SUBSLAB
- STABILIZED SAND JOINTS

LIMESTONE SLABS
- PRODUCT: SIZE PER PLAN X 3" LIMESTONE SLAB
- COLOR: GREY RANGE
- BASE: SAND SETTING BED ON CONCRETE SUBSLAB
- STABILIZED SAND JOINTS

LIMESTONE PLINTHS
- PER PLAN X 18" HT LIMESTONE
- COLOR: GREY RANGE

WOOD BLOCK SETAING
- PER PLAN X 18" HT

PRECAST STEPS / SEATWALLS
- MFR: WAUSAU TILE WWW.WAUSAUTILE.COM
- PRODUCT: CUSTOM PRECAST
- COLOR: MFR FULL COLOR RANGE

ARTIFICIAL TURF
- MFR: XGRASS WWW.XGRASS.COM
- PRODUCT: PREMIER NATURAL
- FILL: ENVIROFILL; BASE: TILE PAVER

HR HR HR

HANDRAILING
- POWDER COATED STEEL, BLACK
- FLAT BAR STEEL (2" X 1/2")

GR GR GR

GUARDRAILING
- POWDER COATED STEEL, BLACK
- HORIZONTAL FLAT BAR STEEL (2" X 1/2")

A A A

WALL - TYPE A
- CIP CONCRETE RETAINING WALL W/ REINFORCEMENT
- SMOOTH FORM LINER FINISH

B B B

WALL - TYPE B
- RIB ROCK LANDSCAPE BLOCK SEGMENTAL WALL
- COLOR: FROM MFR FULL RANGE, ROUGH TEXTURE

C C C

WALL TYPE C
- 3/8" BENT PLATE STEEL PLANTER EDGE
- ATTACHED TO CONCRETE FOOTER

F F F

HILLDALE FRAME
- STEEL FRAME STRUCTURE

S S S

SLOT DRAIN
- MFR: DURATRENCH
- PRODUCT: SS RADIUS SLOT DRAIN

TD TD TD

TRENCH DRAIN
- MFR: ACO DRAIN
- PRODUCT: K50/ KS50 2"

STAIRS
- CIP CONCRETE

PLANTERS
- VARIOUS SIZES, BY OWNER

TREE GRATE
- MFR: URBAN ACCESSORIES
- PRODUCT: JAMISON 2000
- COLOR: BRUSHED ALUMINUM

LIGHTING
- POLE LEVEL LIGHTING
- SEE ELECTRICAL DRAWINGS

NON-LIGHT LIGHT

BOLLARD
- MFR: FORMS AND SURFACES WWW.FORMS-SURFACES.COM
- PRODUCT: HELIO SERIES 600
- MATERIAL: STAINLESS STEEL

BIKE RACK
- MFR: SPRUCE AND GANDER WWW.SPRUCEANDGANDER.COM
- PRODUCT: CAFE
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SCALE: 1" = 10'-0"

0' 5' 10' 20'

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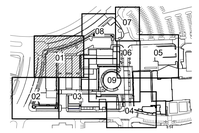
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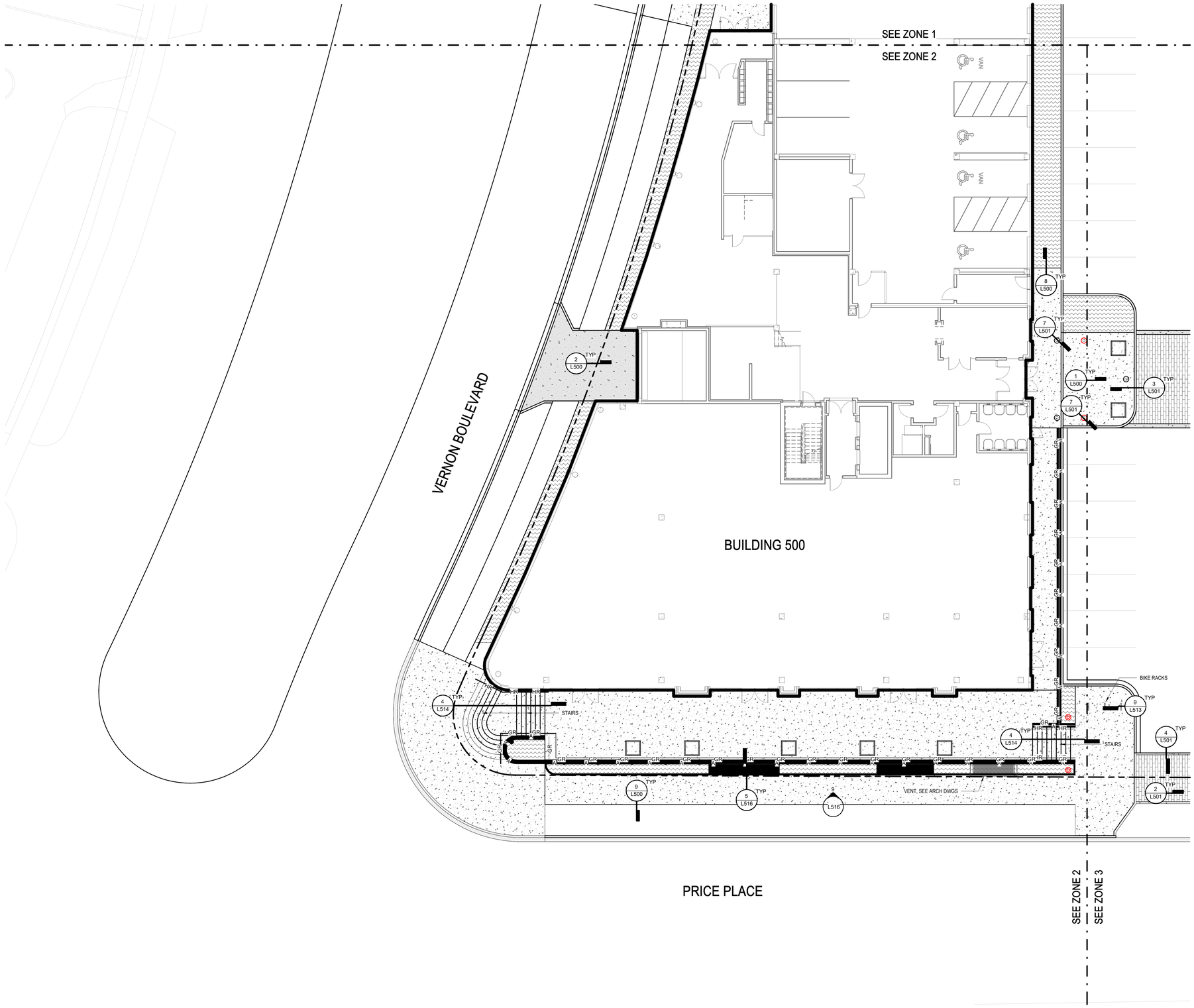
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LANDSCAPE SITE PLAN - ZONE 1

L111



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- COLOR: NATURAL

PED VEH

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- PEDESTRIAN & VEHICLUAR AREAS
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- STABILIZED SAND JOINTS

CONCRETE UNIT PAVING - TYPE 2 (PERMEABLE)
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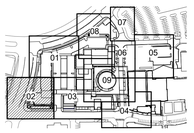
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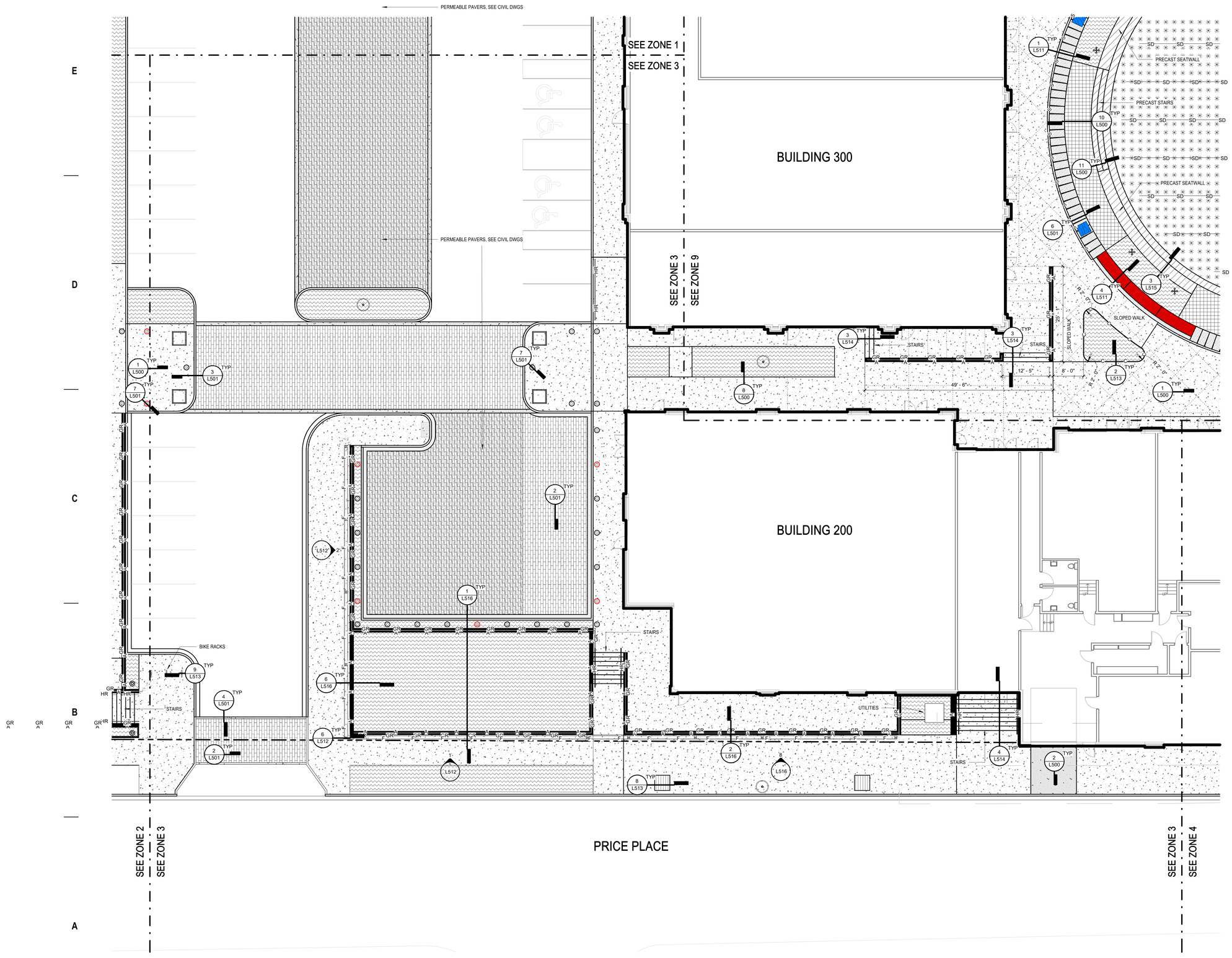
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LANDSCAPE SITE PLAN - ZONE 2

L112



MULCH
- FINELY SHREDDED HARDWOOD MULCH
- DEPTH: 2" DEEP
- COLOR: NATURAL

PED VEH

CONCRETE PAVING
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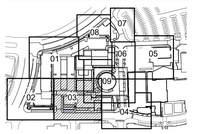
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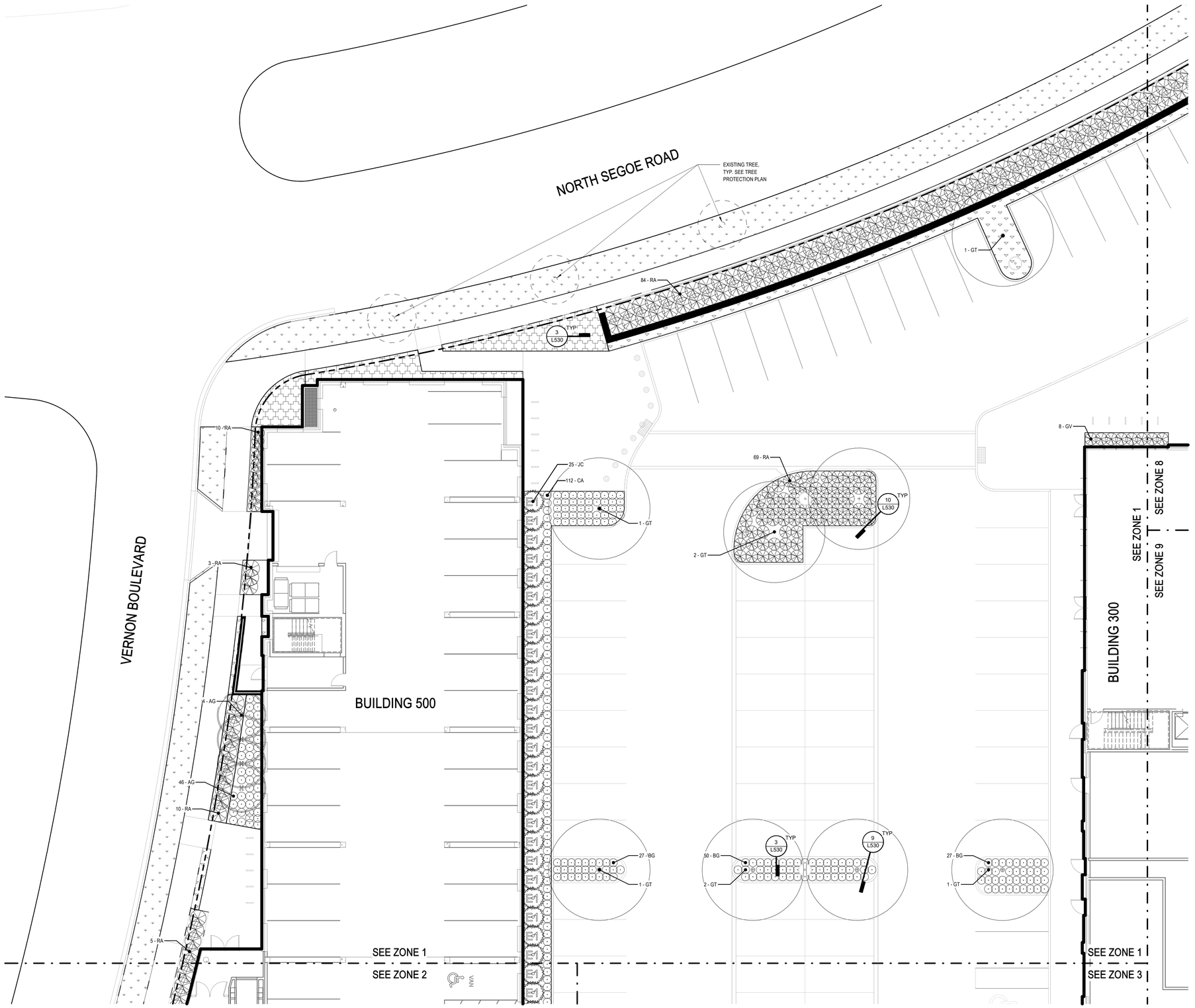
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LANDSCAPE SITE PLAN - ZONE 3

L113



DECIDUOUS TREES

AG — **AMELANCHIER × GRANDIFLORA**
'AUTUMN BRILLIANCE' SERVICEBERRY
- 6' HT. / MULTI-STEM
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

AR — **ACER RUBRUM 'FRANK JR' REDPOINTE**
REDPOINT MAPLE
- SIZE: 4" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

BN — **BETULA NIGRA**
RIVER BIRCH
- SIZE: 3" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

GT — **GLEDITSIA TRIACANTHOS F. INERMIS**
THORNLESS HONEYLOCUST
- SIZE: 3" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

PA — **PLATANUS X ACERIFOLIA 'MORTON CIRCLE'**
'EXCLAMATION' LONDON PLANE
- SIZE: 5" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

QP — **QUERCUS PALUSTRIS**
PIN OAK
- SIZE: 5" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

ZS — **ZELKOVA SERRATA 'GREEN VASE'**
- JAPANESE ZELKOVA
- SIZE: 5" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

EVERGREEN TREES

JUNIPERUS CHINENSIS 'SPARTAN'
- UPRIGHT JUNIPER
- SIZE: 6-7'
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

SHRUBS

GV — **BUXUS 'GREEN VELVET'**
'GREEN VELVET' BOXWOOD
- SIZE: 18-24"
- CONDITION: B+B
- NATURAL FORM

IG — **ILEX GLABRA 'CHAMZIN'**
NORDIC INKBERRY
- SIZE: 15-18"
- CONDITION: NO. 3 CONT.
- NATURAL FORM

RA — **RHUS AROMATICA 'GRO-LOW'**
FRAGRANT SUMAC
- SIZE: 18-24"
- CONDITION: NO. 3 CONT.

RI — **RIBES ALPINUM**
ALPINE CURRANT
- SIZE: 18-24"
- CONDITION: NO. 5 CONT.

TM — **TAXUS MEDIA 'DENSIFORMIS'**
DENSIFORMIS YEW
- SIZE: 24-36"
- CONDITION: NO. 5 CONT.
- MATCHED SPECIMEN

PERENNIALS + GRASSES

BG — **BOUTELOUA GRACILIS**
- 'BLONDE AMBITION' GRASS
- SIZE: NO. 2 CONT.
- MATCHED SOURCE

CA — **CALAMAGROSTIS ACUTIFLORA**
- KARL FOERSTER REED GRASS
- SIZE: NO. 2 CONT.
- MATCHED SOURCE

PV — **PANICUM VIRGATUM 'SHENANDOAH'**
- SHENANDOAH SWITCH GRASS
- SIZE: NO. 2 CONT.
- MATCHED SOURCE

GROUND COVERS

PT — **PARTHENOCISSUS TRICUSPIDATA 'VEITCHII'**
BOSTON IVY
- SIZE: NO. 2 CONT.
- SPACING: AS SHOWN

ORNAMENTAL GRASSES MIX
- SIZE: NO. 2 CONT.
- SPACING: TRI, 18" O.C.

VINCA MINOR
PERIWINKLE
- SIZE: NO. 1 CONT.
- SPACING: TRI, 12" O.C.

LAWN
- SOD

LAWN, ARTIFICIAL
- MFR: XGRASS
- PREMIER NATURAL

EXTENTS OF SUSPENDED PAVEMENT SYSTEM
- SEE L179 FOR ADDITIONAL DETAILS

SCALE: 1" = 10'-0"
0' 5' 10' 20'

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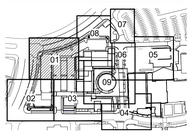
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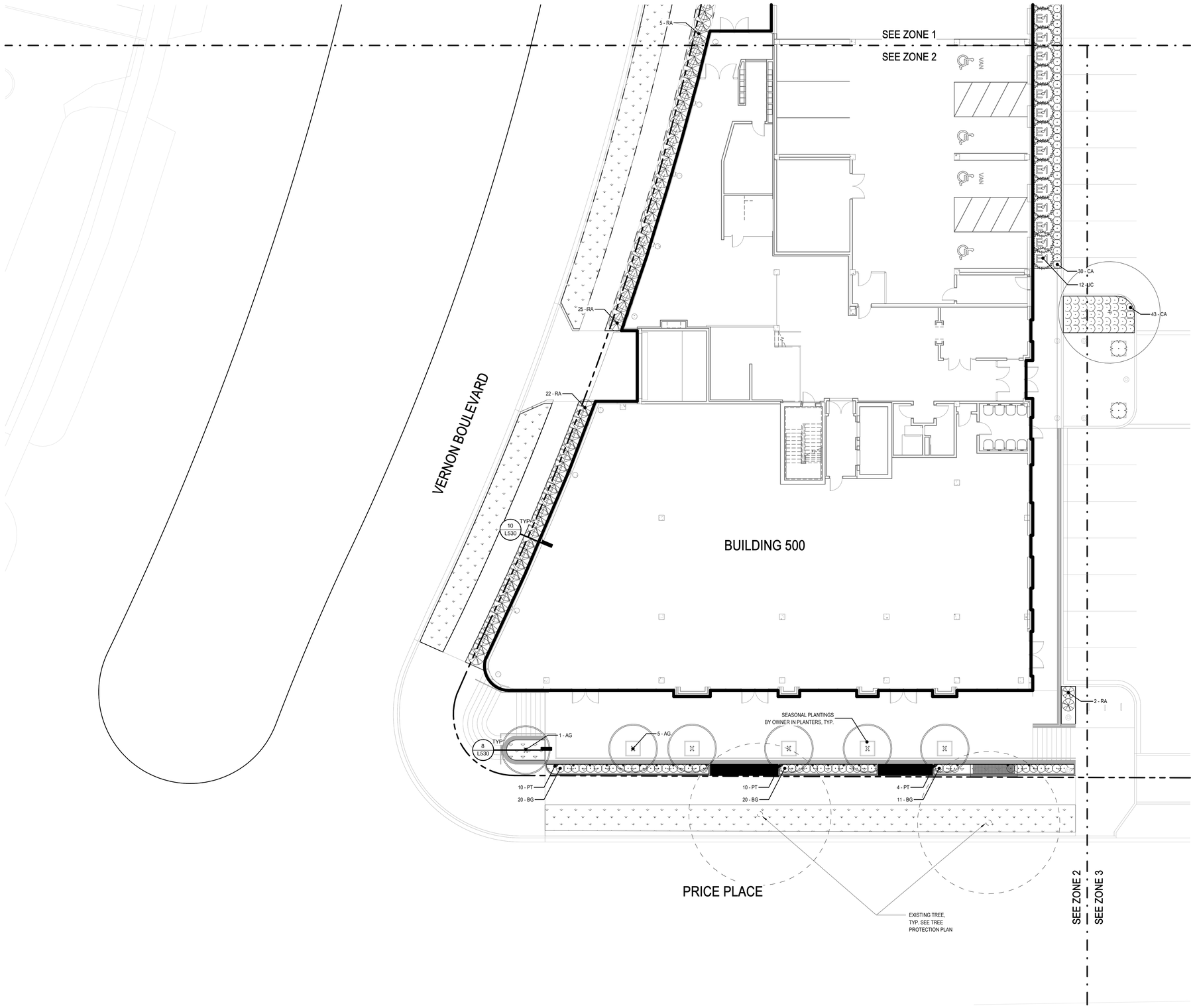
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PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

LANDSCAPE PLAN - ZONE 1

L171



DECIDUOUS TREES

AG — **AMELANCHIER × GRANDIFLORA**
'AUTUMN BRILLIANCE' SERVICEBERRY
- 6' HT. / MULTI-STEM
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

AR — **ACER RUBRUM 'FRANK JR' REDPOINTE**
REDPOINT MAPLE
- SIZE: 4" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

BN — **BETULA NIGRA**
RIVER BIRCH
- SIZE: 3" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

GT — **GLEDITSIA TRIACANTHOS F. INERMIS**
THORNLESS HONEYLOCUST
- SIZE: 3" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

PA — **PLATANUS X ACERIFOLIA 'MORTON CIRCLE'**
'EXCLAMATION' LONDON PLANE
- SIZE: 5" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

QP — **QUERCUS PALUSTRIS**
PIN OAK
- SIZE: 5" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

ZS — **ZELKOVA SERRATA 'GREEN VASE'**
- JAPANESE ZELKOVA
- SIZE: 5" CAL.
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

EVERGREEN TREES

JUNIPERUS CHINENSIS 'SPARTAN'
- UPRIGHT JUNIPER
- SIZE: 6-7'
- CONDITION: B+B
- MATCHED SPECIMEN
- TAGGED BY LANDSCAPE ARCHITECT

SHRUBS

GV — **BUXUS 'GREEN VELVET'**
'GREEN VELVET' BOXWOOD
- SIZE: 18-24"
- CONDITION: B+B
- NATURAL FORM

IG — **ILEX GLABRA 'CHAMZIN'**
NORDIC INKBERRY
- SIZE: 15-18"
- CONDITION: NO. 3 CONT.
- NATURAL FORM

RA — **RHUS AROMATICA 'GRO-LOW'**
FRAGRANT SUMAC
- SIZE: 18-24"
- CONDITION: NO. 3 CONT.

RI — **RIBES ALPINUM**
ALPINE CURRANT
- SIZE: 18-24"
- CONDITION: NO. 5 CONT.

TM — **TAXUS MEDIA 'DENSIFORMIS'**
DENSIFORMIS YEW
- SIZE: 24-36"
- CONDITION: NO. 5 CONT.
- MATCHED SPECIMEN

PERENNIALS + GRASSES

BG — **BOUTELOUA GRACILIS**
- 'BLONDE AMBITION' GRASS
- SIZE: NO. 2 CONT.
- MATCHED SOURCE

CA — **CALAMAGROSTIS ACUTIFLORA**
- KARL FOERSTER REED GRASS
- SIZE: NO. 2 CONT.
- MATCHED SOURCE

PV — **PANICUM VIRGATUM 'SHENANDOAH'**
- SHENANDOAH SWITCH GRASS
- SIZE: NO. 2 CONT.
- MATCHED SOURCE

GROUND COVERS

PT — **PARTHENOCISSUS TRICUSPIDATA 'VEITCHII'**
BOSTON IVY
- SIZE: NO. 2 CONT.
- SPACING: AS SHOWN

ORNAMENTAL GRASSES MIX
- SIZE: NO. 2 CONT.
- SPACING: TRI, 18" O.C.

VINCA MINOR
PERIWINKLE
- SIZE: NO. 1 CONT.
- SPACING: TRI, 12" O.C.

LAWN
- SOD

LAWN, ARTIFICIAL
- MFR: XGRASS
- PREMIER NATURAL

EXTENTS OF SUSPENDED PAVEMENT SYSTEM
- SEE L179 FOR ADDITIONAL DETAILS

SCALE: 1" = 10'-0"
0' 5' 10' 20'

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
WIS. STATUTE 182.0175 (1974)
REQUIRES 3 WORKING DAYS
NOTICE BEFORE YOU EXCAVATE

REALM
COLLABORATIVE
100 E BROAD STREET
SUITE 1710
COLUMBUS, OHIO 43215
PHONE 614.670.7390
www.REALMCOLLABORATIVE.com

PROJECT INFORMATION

WS Hilldale Phase 3

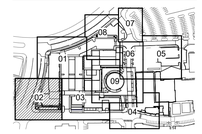
HILLDALE
MADISON

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

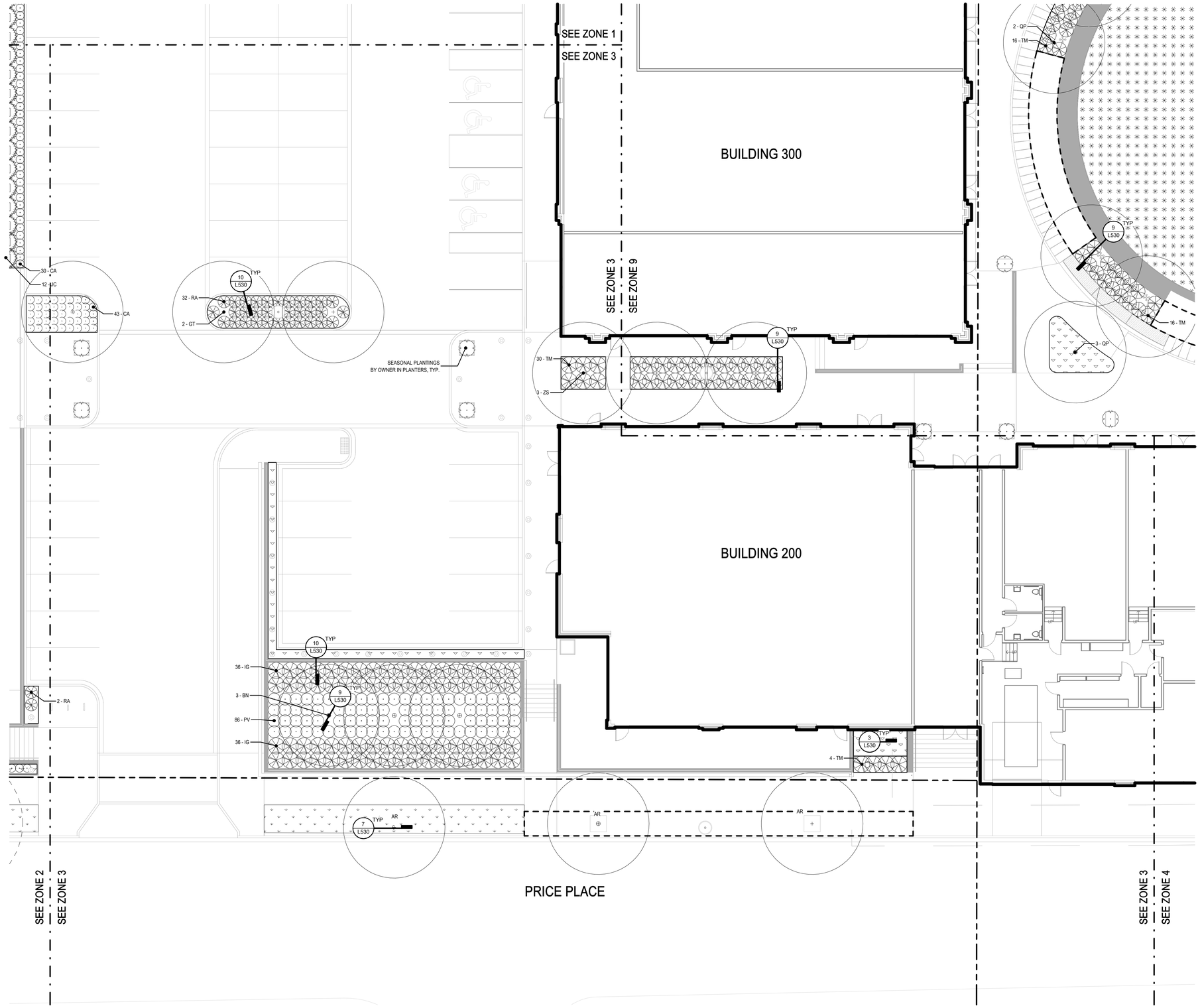
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PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

LANDSCAPE PLAN - ZONE 2

L172



SCALE: 1" = 10'-0"

0' 5' 10' 20'

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

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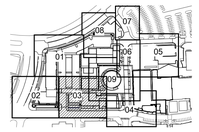
HILLDALE
MADISON

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KEY PLAN



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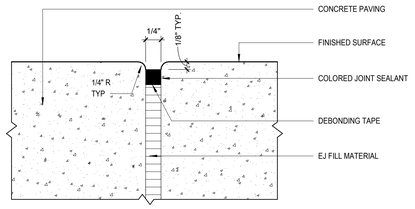
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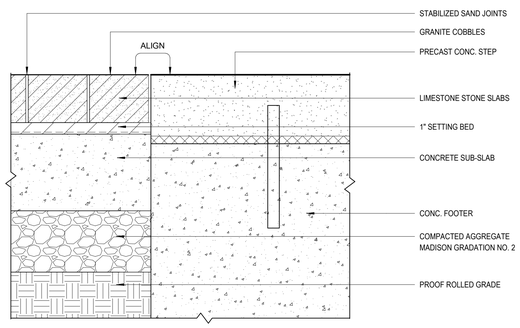
PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

LANDSCAPE PLAN - ZONE 3

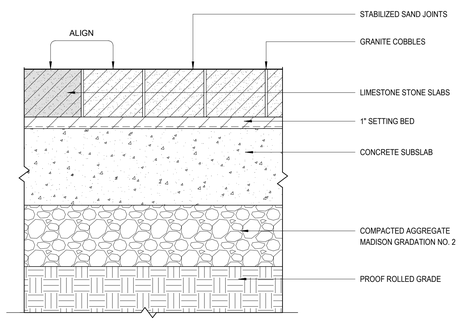
L173



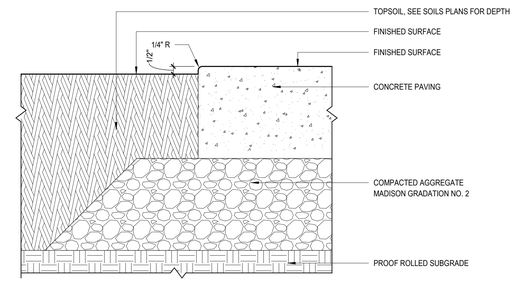
12 EXPANSION JOINT @ PEDESTRIAN PAVEMENT SEALANT
12" = 1'-0"



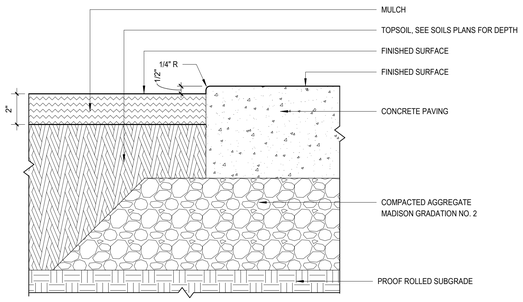
11 COBBLE PAVERS - TRANSITION AT PRECAST STEPS
3" = 1'-0"



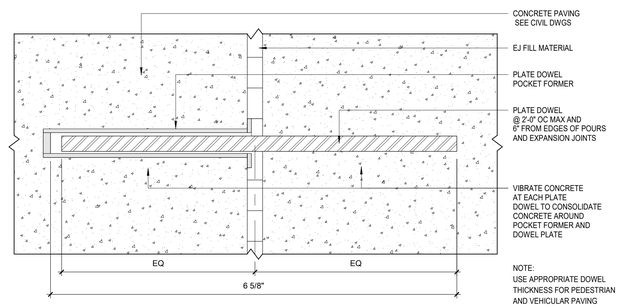
10 COBBLE PAVERS - TRANSITION AT STONE SLAB
3" = 1'-0"



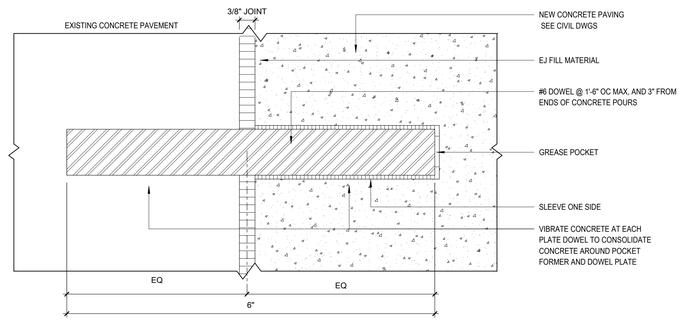
9 CONCRETE PAVEMENT EDGE @ LAWN
3" = 1'-0"



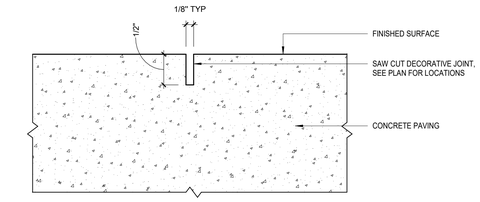
8 CONCRETE PAVEMENT EDGE @ MULCH
3" = 1'-0"



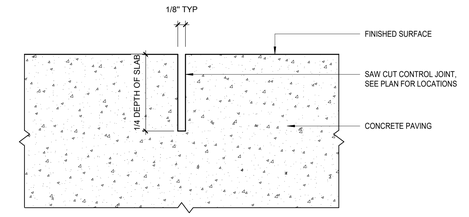
7 PLATE DOWEL AT NEW CONCRETE PAVEMENT
12" = 1'-0"



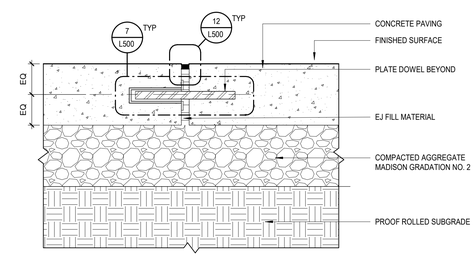
6 ROUND DOWEL EJ AT NEW AND EXISTING CONCRETE PAVEMENT
12" = 1'-0"



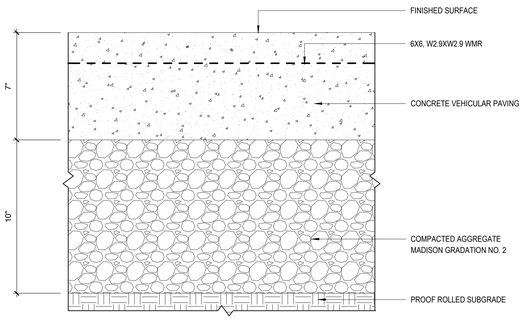
5 CONCRETE - SAW-CUT DECORATIVE JOINT (DJ)
12" = 1'-0"



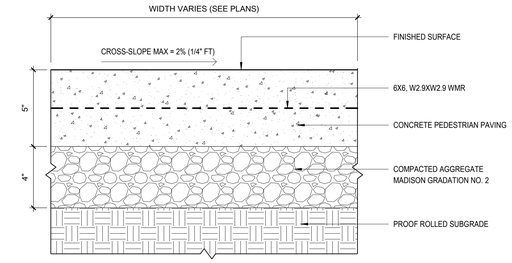
4 CONCRETE - SAW CUT CONTROL JOINT (SCJ)
12" = 1'-0"



3 CONCRETE EXPANSION JOINT
3" = 1'-0"



2 CONCRETE PAVING - VEHICULAR / LOADING
3" = 1'-0"



1 CONCRETE PAVING - PEDESTRIAN
3" = 1'-0"

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100 E BROAD STREET
SUITE 1710
COLUMBUS, OHIO 43215
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PROJECT INFORMATION

WS Hilldale Phase 3

HILLDALE
MADISON

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

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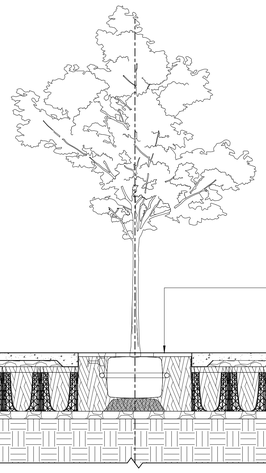
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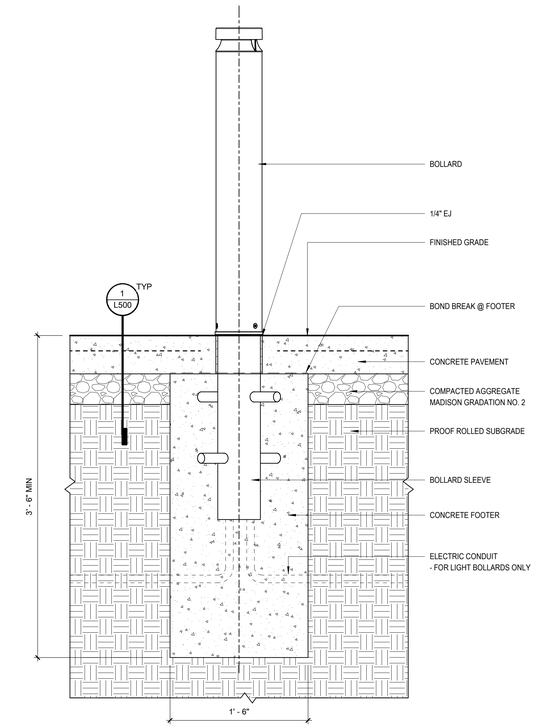
LANDSCAPE
PAVEMENT DETAILS

L500

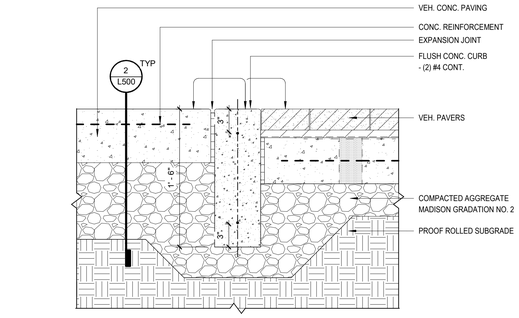
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WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



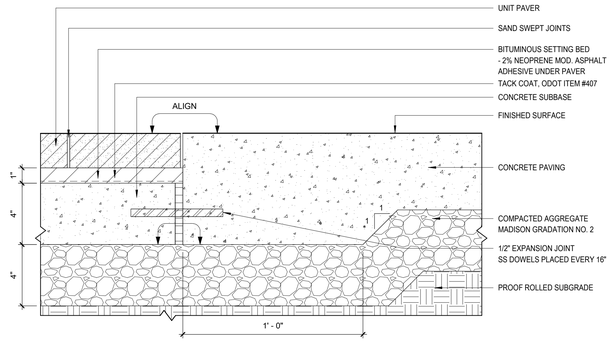
9 GREENBLUE URBAN SECTION
3/8" = 1'-0"



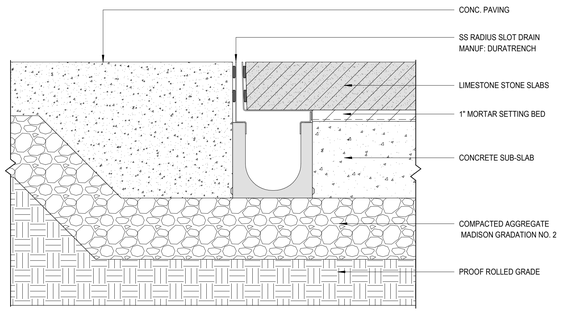
7 BOLLARDS - NON-LIGHT AND LIGHT BOLLARDS @ CONCRETE PAVEMENT
1 1/2" = 1'-0"



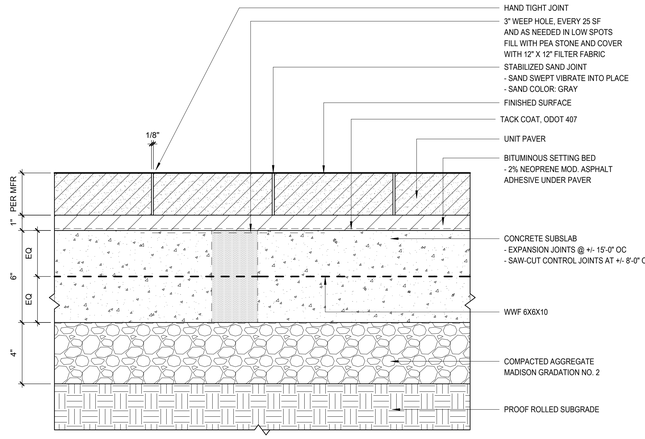
4 SECTION - VEH. CONC. CURB
1 1/2" = 1'-0"



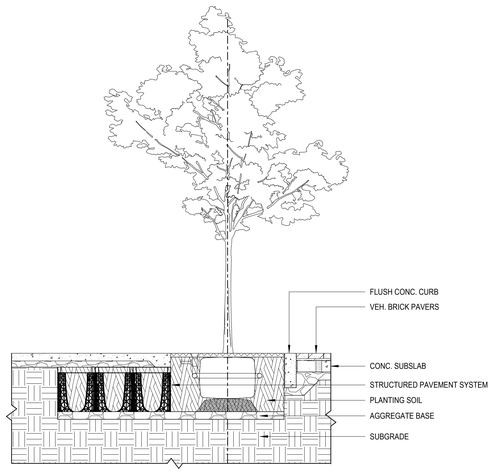
3 UNIT PAVING TRANSITION AT CONCRETE PAVEMENT
3" = 1'-0"



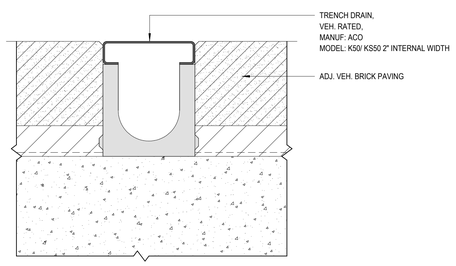
6 SECTION - RADIAL SLOT DRAIN
3" = 1'-0"



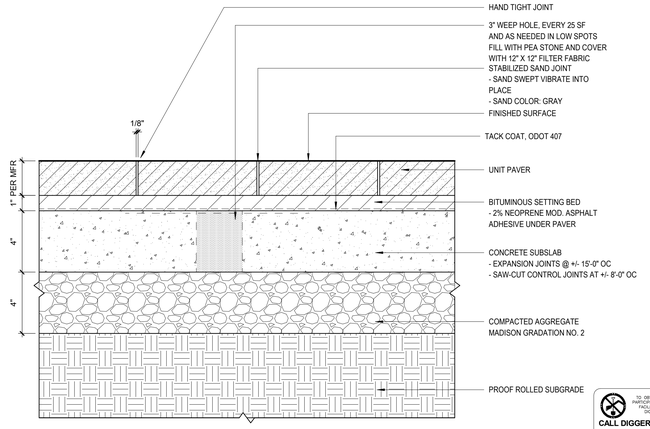
2 UNIT PAVING SECTION - VEHICULAR PAVING
3" = 1'-0"



8 GREENBLUE URBAN TYPICAL SECTION @ CURB
3/8" = 1'-0"



5 SECTION - VEHICULAR TRENCH DRAIN
6" = 1'-0"



1 UNIT PAVING SECTION - PEDESTRIAN PAVING
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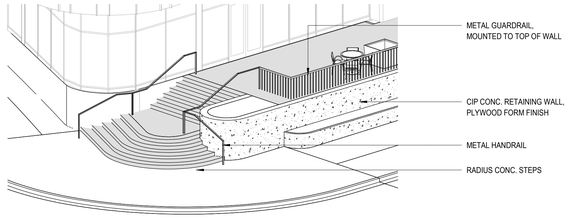
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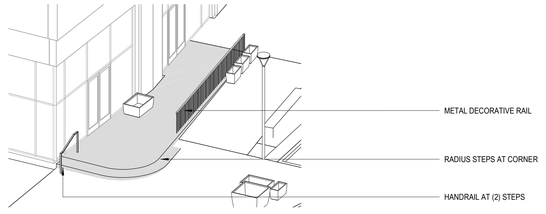
PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

LANDSCAPE PAVEMENT DETAILS

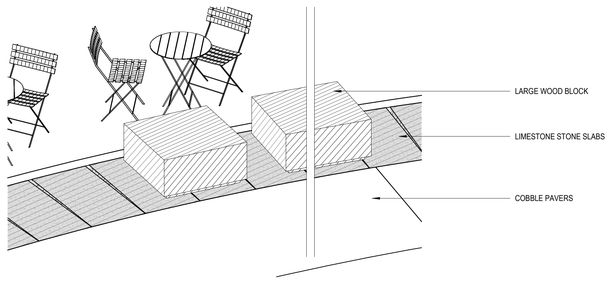
L501



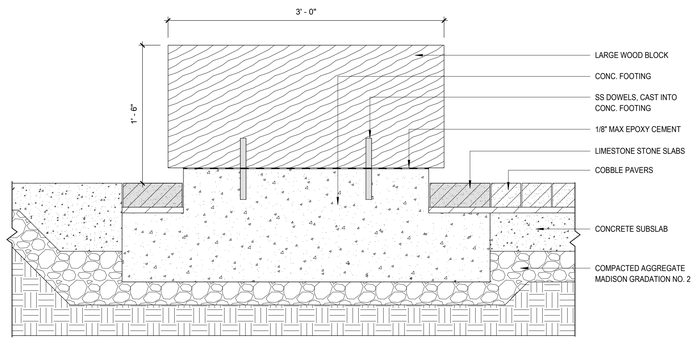
4 BLDG 500 CORNER ENTRY



3 BLDG 300 CORNER TENANT



2 WOOD BLOCK - AXON



1 WOOD BLOCK SEATING - SECTION
1 1/2" = 1'-0"

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PHONE 614.670.7390
www.REALMCOLLABORATIVE.com

PROJECT INFORMATION

WS Hilldale Phase 3

HILLDALE
MADISON

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

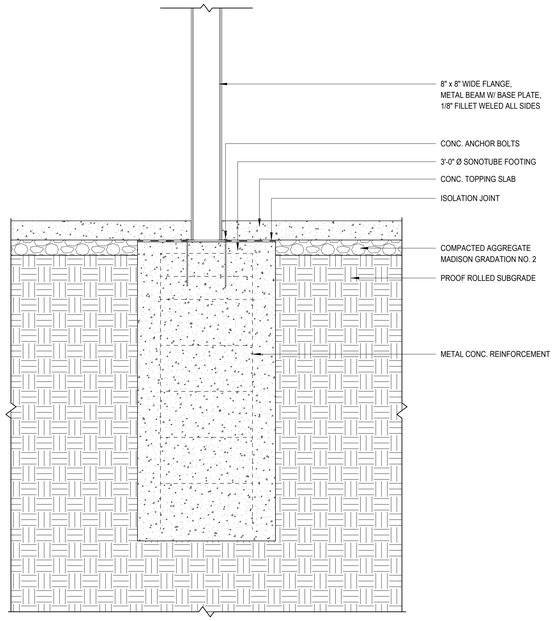
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PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

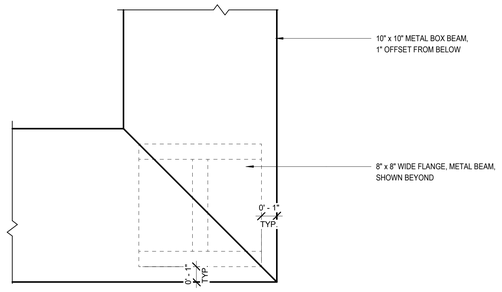
LANDSCAPE ELEMENTS DETAILS

L510

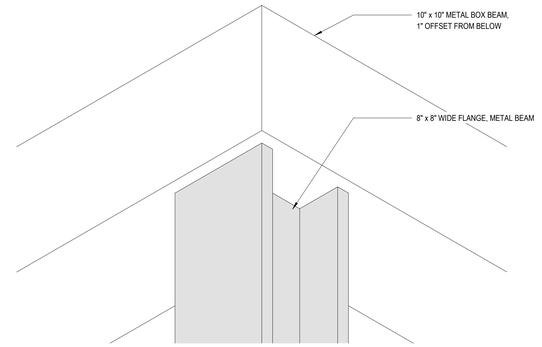
TO OBTAIN LOCATION OF UNDERGROUND UTILITY FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



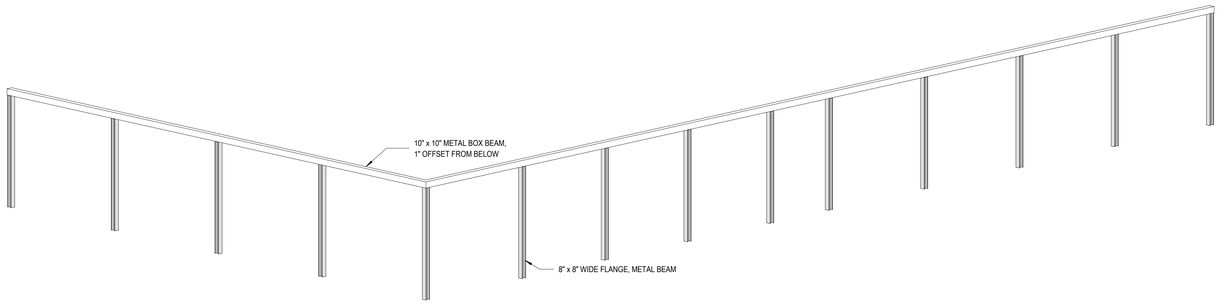
6 HILLDALE METAL FRAME FOOTING - SECTION
3/4" = 1'-0"



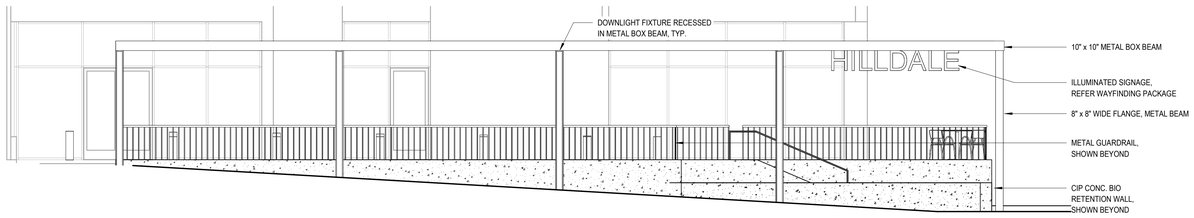
4 HILLDALE METAL FRAME BEAM - PLAN
3" = 1'-0"



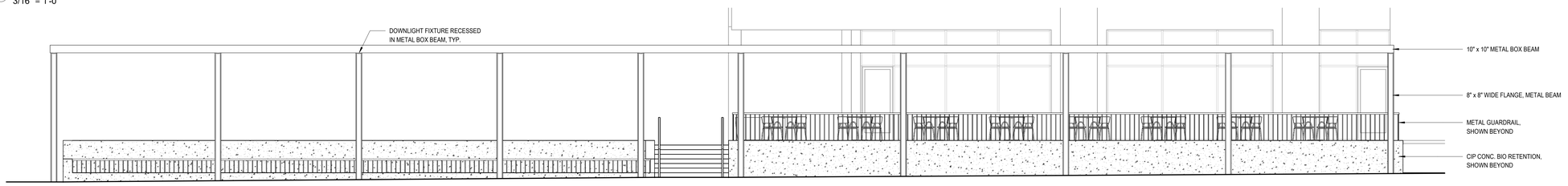
5 HILLDALE METAL FRAME BEAM AND POST CORNER - AXON



3 HILLDALE METAL FRAME - AXON



2 METAL HILLDALE FRAME - SOUTH ELEVATION
3/16" = 1'-0"



1 METAL HILLDALE FRAME - EAST ELEVATION
3/16" = 1'-0"

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PROJECT INFORMATION

WS Hilldale Phase 3

HILLDALE
MADISON

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

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03/13/2023	CITY SUBMITTAL

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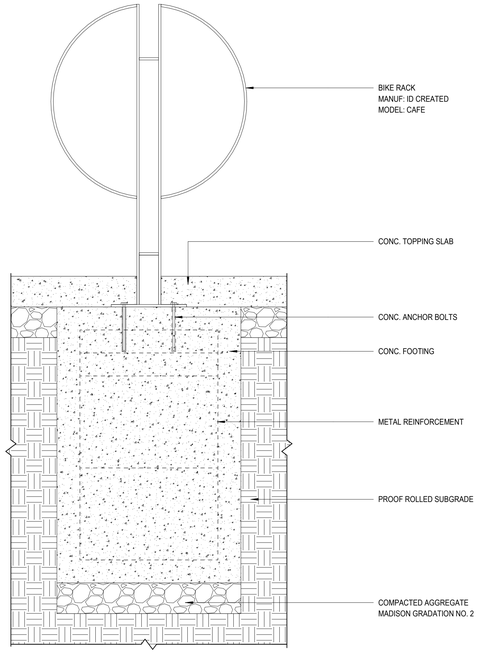
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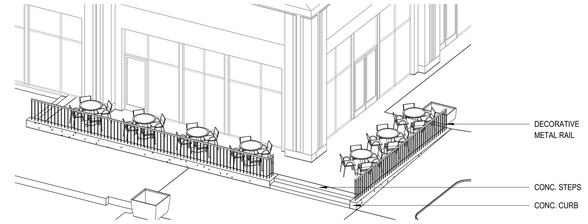
PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

LANDSCAPE METAL FRAME DETAILS

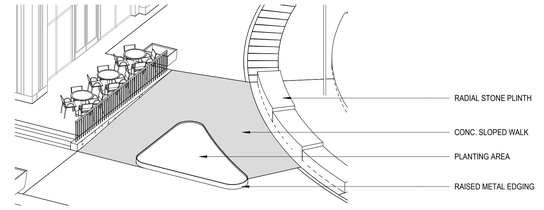
L512



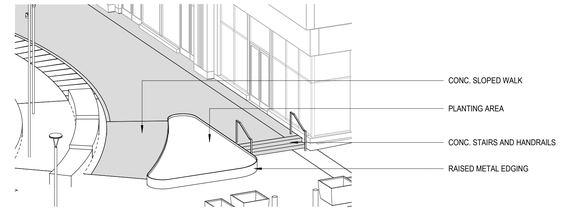
9 BIKE RACK - SECTION
1 1/2" = 1'-0"



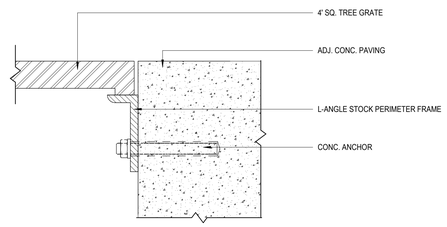
5 TERRACE SEATING - AXON



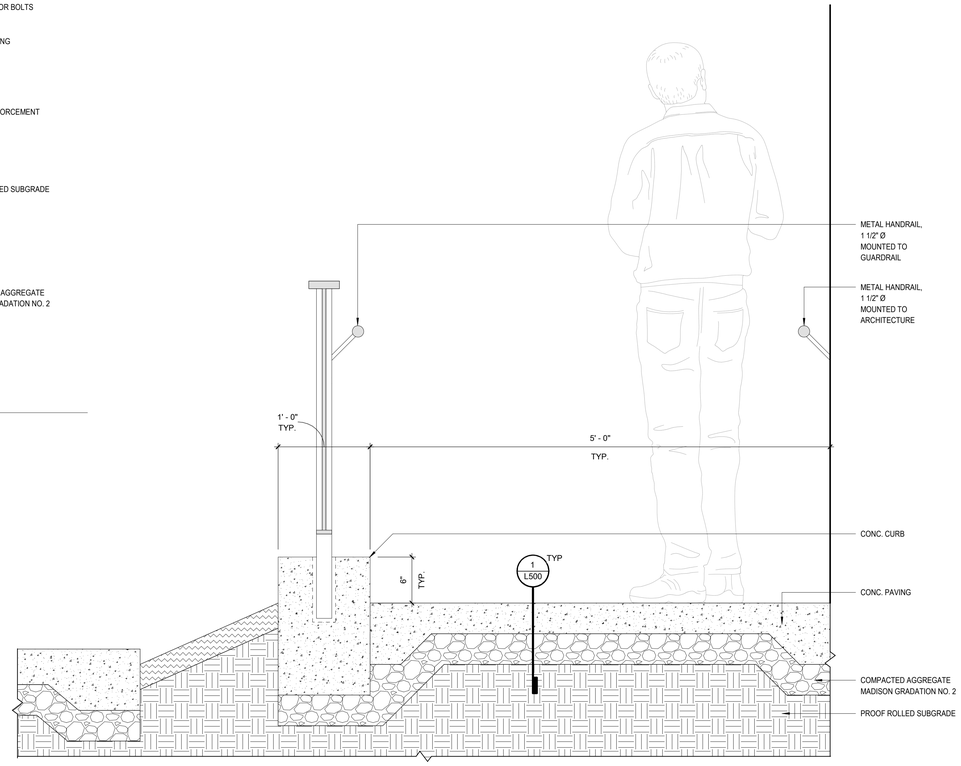
4 WALL TYPE 3 - PLANTER RAMP - AXON - VIEW 2



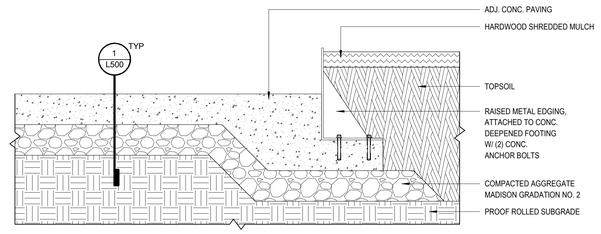
3 WALL TYPE 3 - PLANTER RAMP - AXON



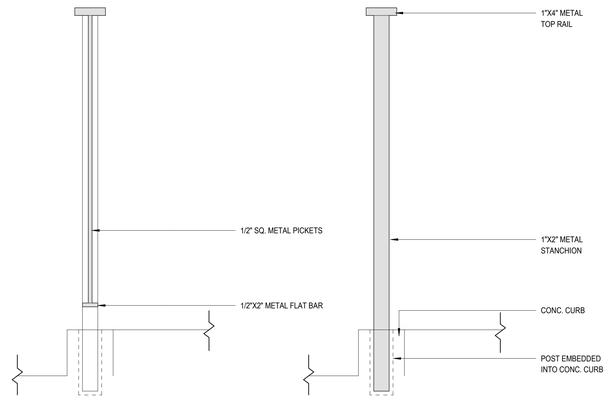
8 TREE GRATE - SECTION
6" = 1'-0"



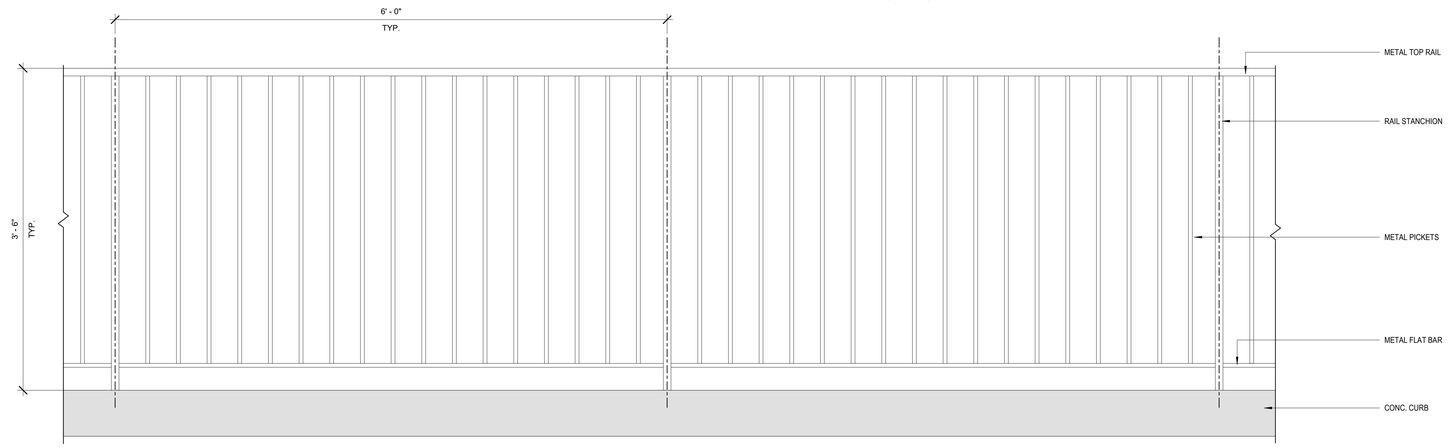
6 RAMP AND CURB - SECTION
1 1/2" = 1'-0"



2 WALL TYPE C RAISED METAL EDGING AT PLANTER - SECTION
1 1/2" = 1'-0"



7 DECORATIVE GUARDRAIL - SECTION
1 1/2" = 1'-0"



1 DECORATIVE GUARDRAIL - ELEVATION
1 1/2" = 1'-0"

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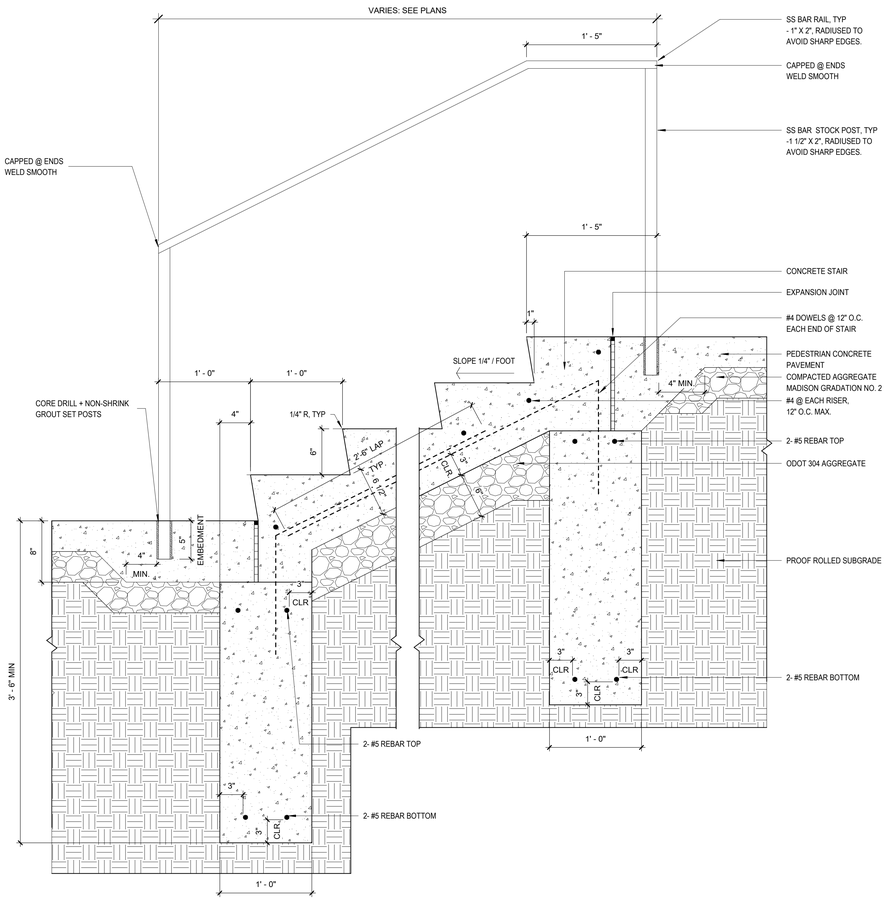
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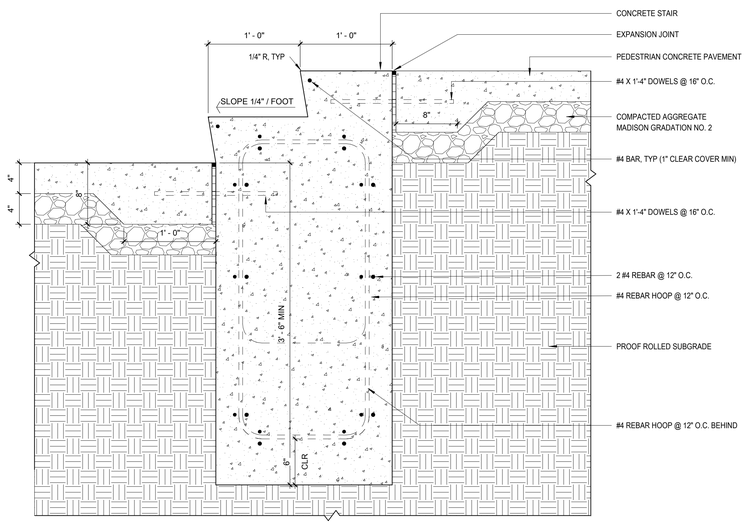
LANDSCAPE MISC METAL DETAILS

L513

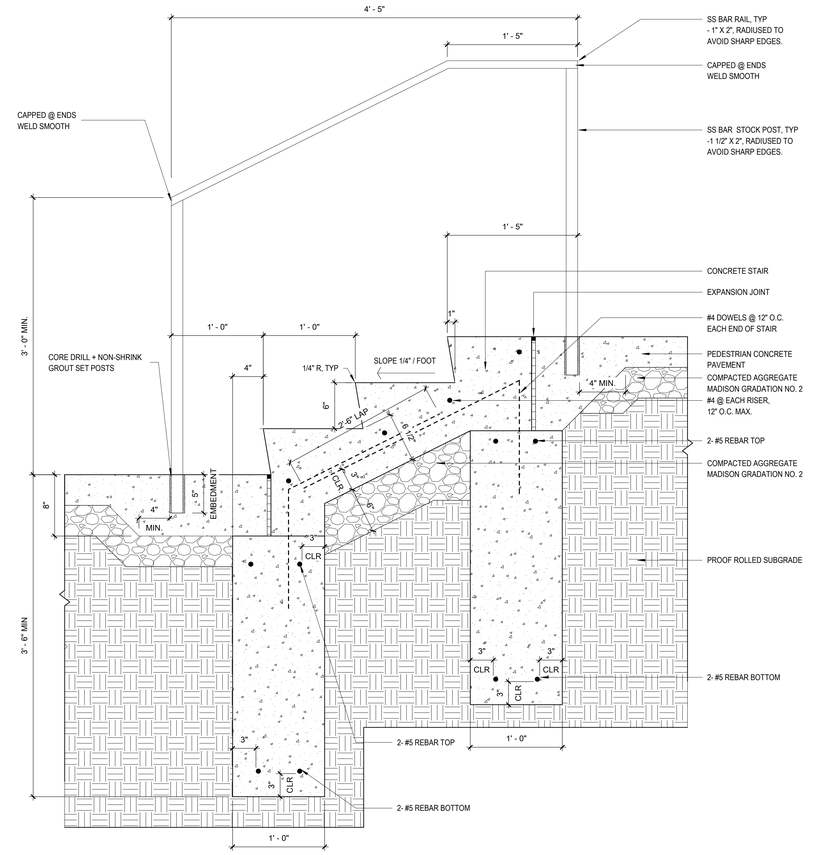
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TOLL FREE
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



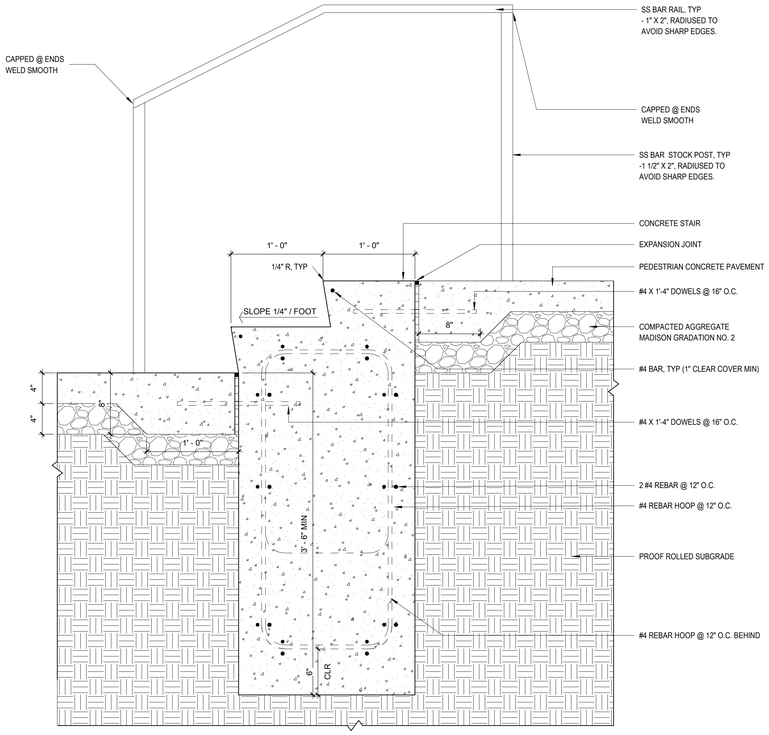
4 CONCRETE STAIR - 4+ STEPS
1 1/2" = 1'-0"



3 CONCRETE STAIR - 2 STEPS
1 1/2" = 1'-0"



2 CONCRETE STAIR - 3 STEPS
1 1/2" = 1'-0"



1 CONCRETE STAIR - 2 STEPS W/ HANDRAIL
1 1/2" = 1'-0"

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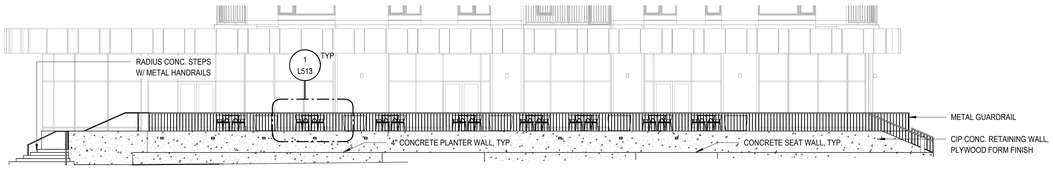
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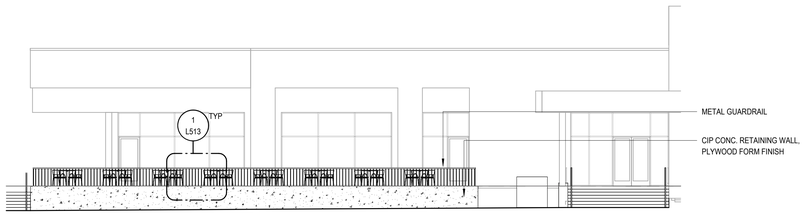
LANDSCAPE STAIR DETAILS

L514

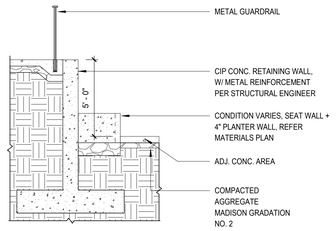
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WIS. STATUTE 182.0175 (1974)
REQUIRES 3 WORKING DAYS
NOTICE BEFORE YOU EXCAVATE



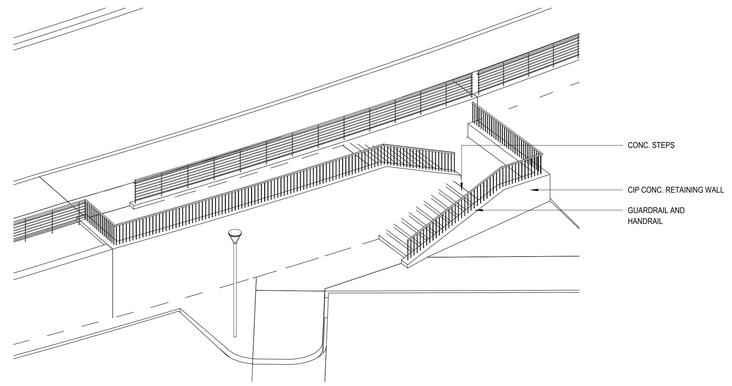
9 WALL TYPE A @ BLDG 500 - ELEVATION
1" = 10'-0"



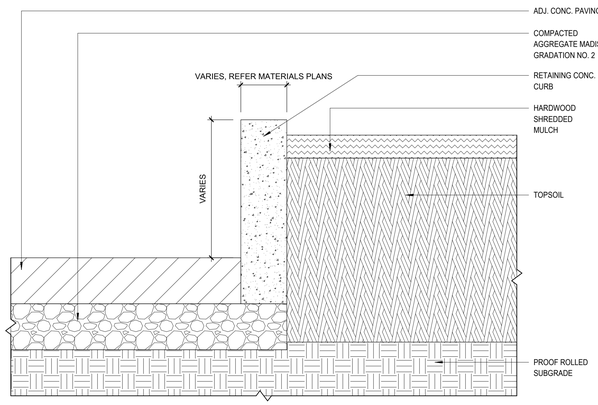
8 WALL TYPE A @ BLDG 200 - ELEVATION
1" = 10'-0"



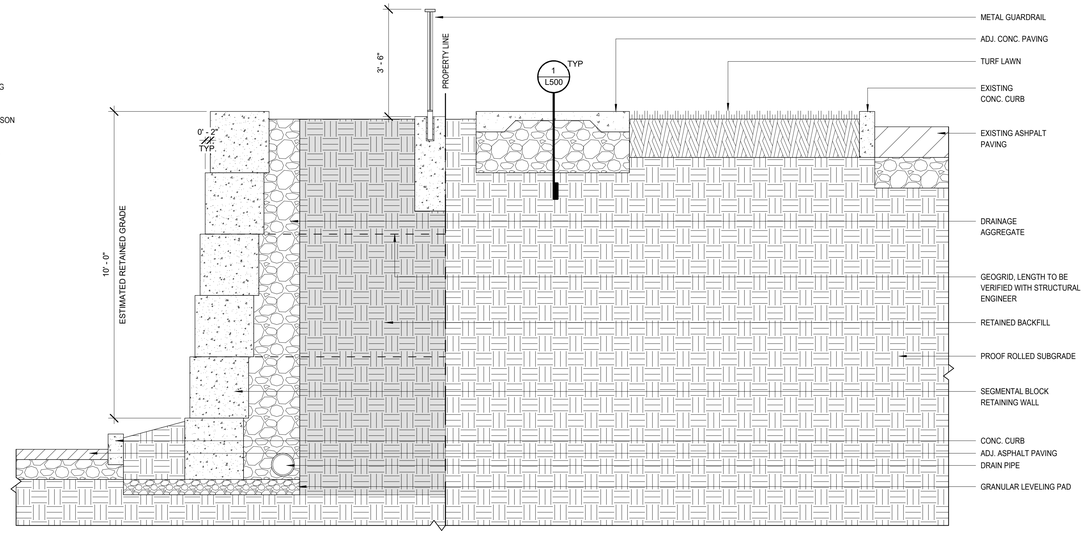
5 SECTION - LOW WALL @ BLDG 500
1/4" = 1'-0"



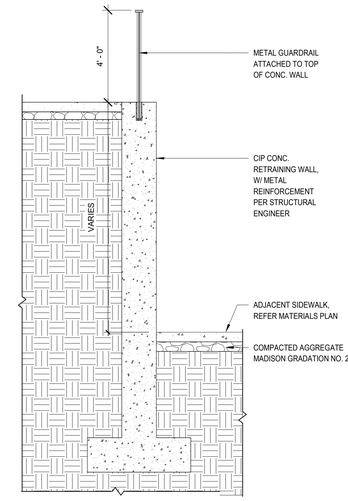
3 SEGOE RETAINING WALL + STAIRS - AXON



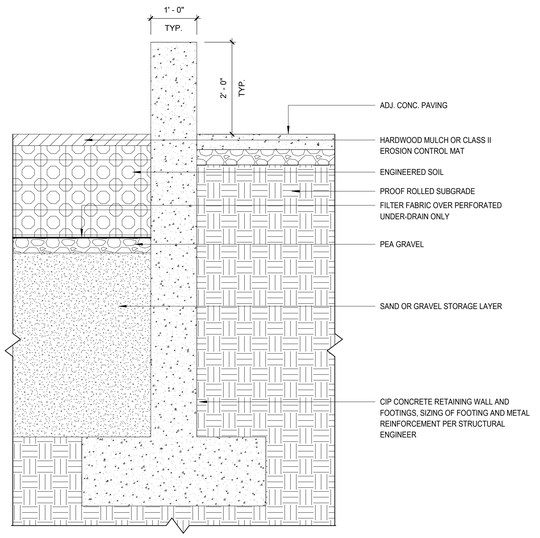
7 CURB - RETAINING - SECTION
1 1/2" = 1'-0"



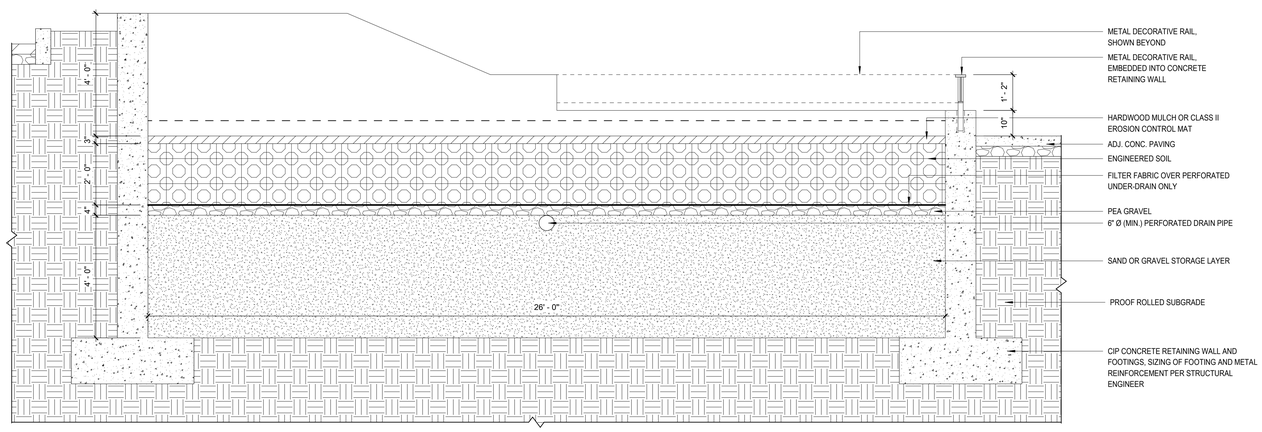
4 WALL TYPE B - SEGMENTAL BLOCK RETAINING WALL - SECTION
1/2" = 1'-0"



2 WALL TYPE A - TALL RETAINING WALL - SECTION
3/8" = 1'-0"



6 WALL TYPE A - @ BIO RETENTION BASIN SHORT RETAINING WALL - SECTION
3/4" = 1'-0"



1 WALL TYPE A - @ BIO RETENTION BASIN - SECTION
1/2" = 1'-0"

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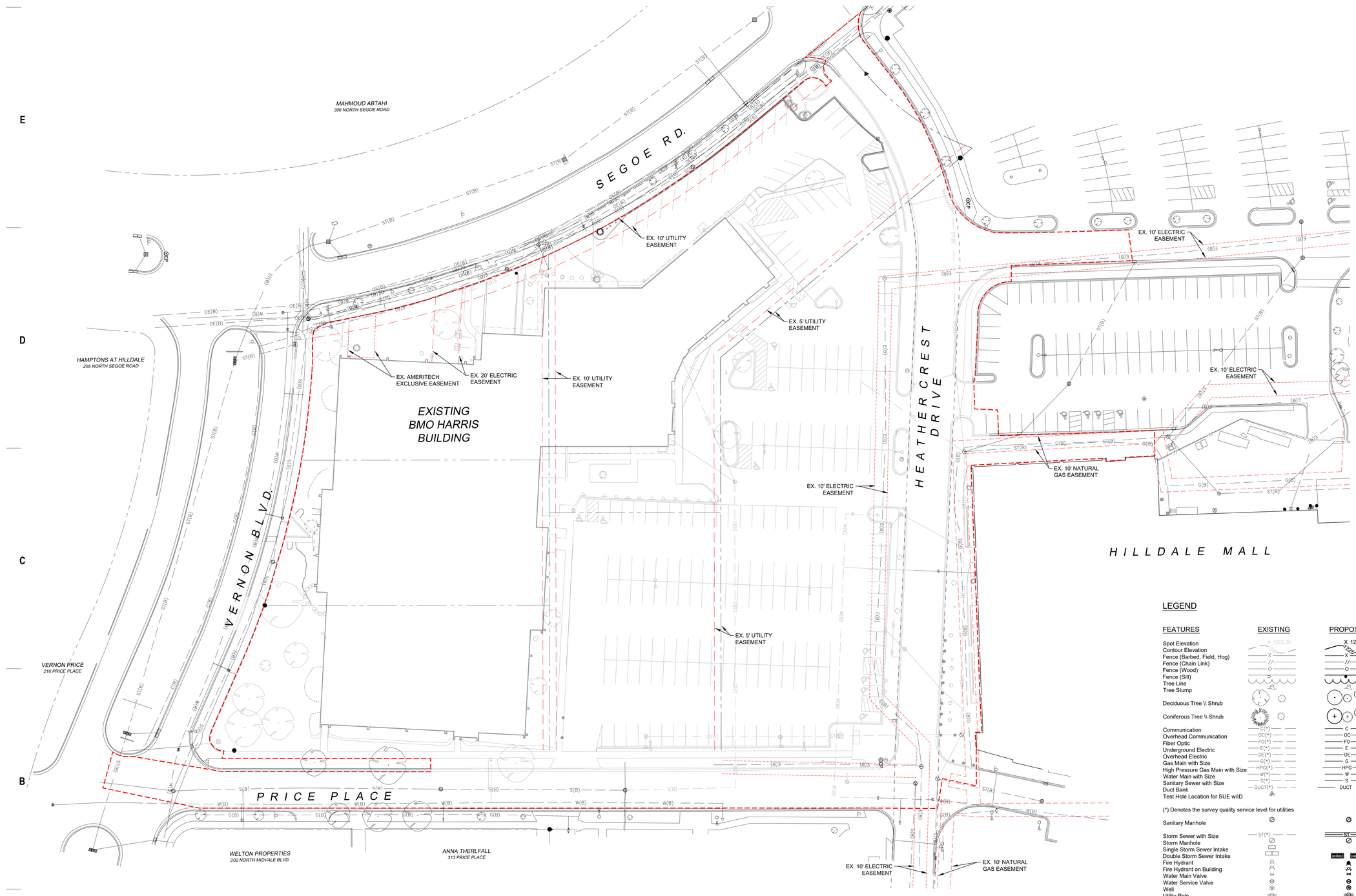
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PROJECT MANAGER	REALM
PROJECT NUMBER	2021-03

LANDSCAPE WALL DETAILS

L516

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CALL DIGGERS HOTLINE
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TOLL FREE
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LEGEND

FEATURES	EXISTING	PROPOSED
Spot Elevation	X 1225.25	X 1225.25
Contour Elevation		
Fence (Barbed, Field, Hog)	X	X
Fence (Chain Link)	//	//
Fence (Wood)	O	O
Fence (Silt)		
Tree Line		
Tree Stump		
Deciduous Tree \\ Shrub		
Coniferous Tree \\ Shrub		
Communication	C(*)	C
Overhead Communication	OC(*)	OC
Fiber Optic	FO(*)	FO
Underground Electric	E(*)	E
Overhead Electric	OE(*)	OE
Gas Main with Size	G(*)	G
High Pressure Gas Main with Size	HPG(*)	HPG
Water Main with Size	W(*)	W
Sanitary Sewer with Size	S(*)	S
Duct Bank	DUCT(*)	DUCT
Test Hole Location for SUE w/ID		
(*) Denotes the survey quality service level for utilities		
Sanitary Manhole		
Storm Sewer with Size	ST(*)	ST
Storm Manhole		
Single Storm Sewer Intake		
Double Storm Sewer Intake		
Fire Hydrant		
Fire Hydrant on Building		
Water Main Valve		
Water Service Valve		
Well		
Utility Pole		
Guy Anchor		
Utility Pole with Light		
Utility Pole with Transformer		
Street Light		
Yard Light		
Electric Box	EB	EB
Electric Transformer		
Traffic Sign		
Communication Pedestal		
Communication Manhole	C	C
Communication Handhole	H	H
Fiber Optic Manhole	FO	FO
Fiber Optic Handhole	FO	FO
Gas Valve		
Gas Manhole	G	G
Gas Apparatus		
Fence Post or Guard Post		
Underground Storage Tank	UST	
Above Ground Storage Tank	AST	
Sign		
Satellite Dish		
Mailbox		
Sprinkler Head		
Irrigation Control Valve	HCV	HCV
Soil Boring	B-2	
Elevation	EL: 1225.25	EL: 1225.25

eppstein uhen : architects

milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 telephone 414.271.5350

madison 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 telephone 608.442.5350

WS DEVELOPMENT
33 BOYLSTON ST, STE 3000
CHESTNUT HILL, MA 02467
P 617.232.8900

SNYDER & ASSOCIATES
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444

PROJECT INFORMATION

HILLDALE SHOPPING CENTER

HILLDALE

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
	5/31/2023	DESIGN DEVELOPMENT

KEY PLAN

SHEET INFORMATION

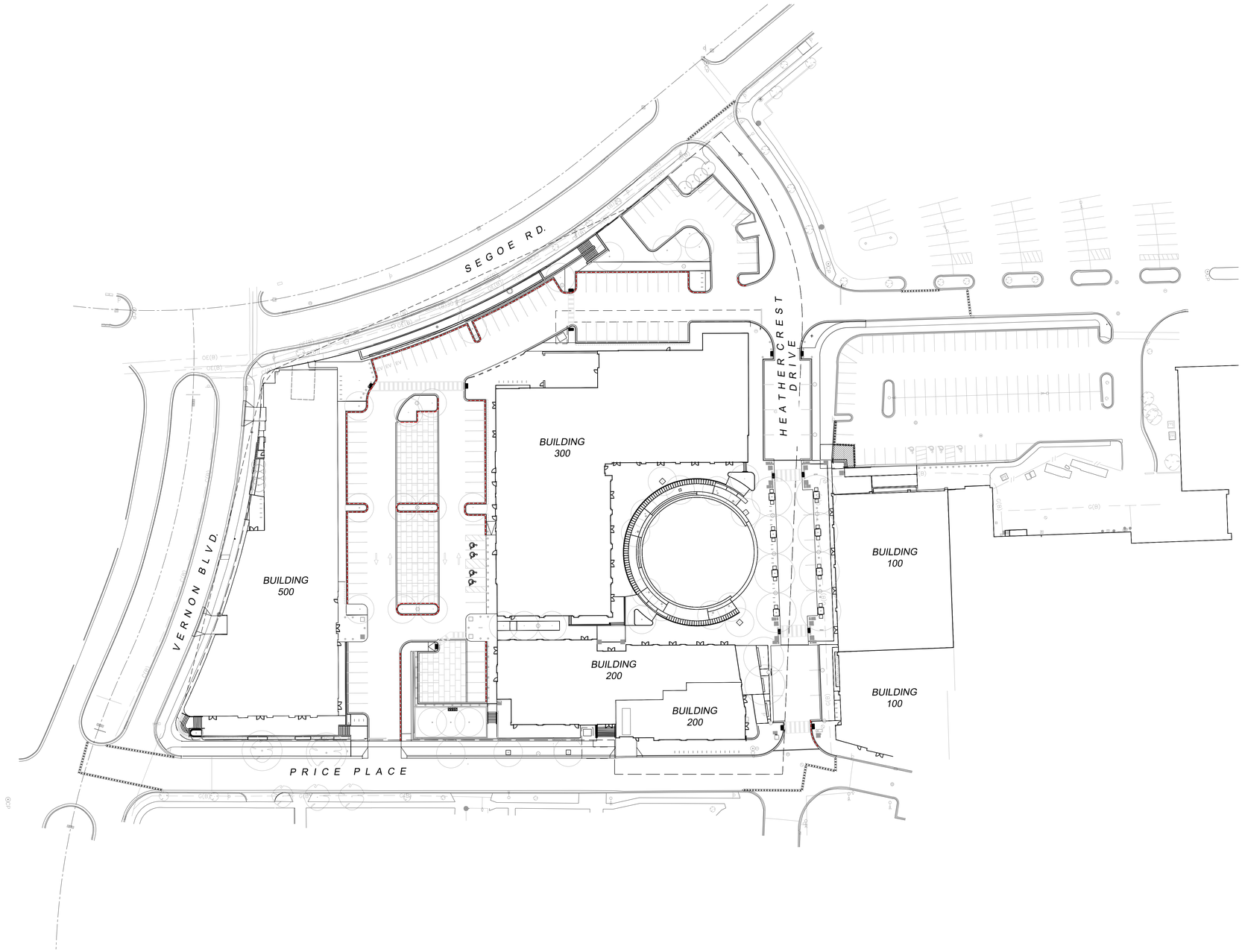
PROJECT MANAGER	SJA
PROJECT NUMBER	120.0311.30

EXISTING EASEMENTS

C 102

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V:\Projects\2020\120.0311.30\CAD\120.0311.30 P100.dwg ALEXANDER KEIFE, EXISTING EASEMENTS, 20230505\1, 3:29 PM, ARCH FULL BLEED E1 (36.00 X 42.00 INCHES)



SITE INFORMATION

TOTAL SITE AREA: 221,647 SF / 5.09 ACRES

EXISTING IMPERVIOUS AREA: 184,807 SF

NEW IMPERVIOUS AREA: 27,403 SF (12.36% LOT COVERAGE)

REDEVELOPED IMPERVIOUS AREA: 173,193 SF

REMOVED IMPERVIOUS AREA: 19,614 SF

NET IMPERVIOUS AREA: 192,596 SF

PARKING STALL COUNT

TOTAL EXISTING SITE PARKING:	296 STALLS
TOTAL PROPOSED SITE PARKING:	234 STALLS
TOTAL HANDICAP PARKING:	8 STALLS (3 VAN)
TOTAL ELECTRIC VEHICLE PARKING:	3 STALLS

PROPOSED REDUCTION OF 62 PARKING STALLS

BIKE PARKING COUNT

PARKING CALC'S FOR BUILDING 100, BUILDING 200, BUILDING 300, AND BUILDING 500

BUILDING 500 - RESIDENTIAL
125 STALLS TOTAL (UNIT PLUS GUESTS)
103 STALLS LONG TERM 90% (IN BUILDING)
22 EXTERIOR BIKE STALLS BY BUILDING 500

BUILDINGS 100, 200 & 300 - RETAIL / RESTAURANT
RETAIL = (99,785 SF) / 2,000 SF PER BIKE STALL = 50 STALLS
RESTAURANT = (13,075 SF) / (15 SF PER PERSON)*0.5 = 44 STALLS
94 BIKE

FIRE LANE:

SEVERAL ROADS WILL ACT AS THE FIRE LANE ON THIS PROJECT, SEE SHEET C 204 FOR MORE INFORMATION.

NOTE:

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES ON AND ADJACENT TO THE SITE PRIOR TO THE START OF THE PROJECT.

RADII ARE FROM FACE OF CURB

DIMENSIONS ARE FROM FACE OF CURB

0 40
FEET

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

eppstein uhen : architects

milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 telephone 414.271.5350

madison 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 telephone 608.442.5350

WS DEVELOPMENT
33 BOYLSTON ST., STE 3000
CHESTNUT HILL, MA 02467
P 617.232.8900

SNYDER & ASSOCIATES
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444

PROJECT INFORMATION

HILLDALE SHOPPING CENTER

HILLDALE

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
	5/31/2023	DESIGN DEVELOPMENT

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER SJA

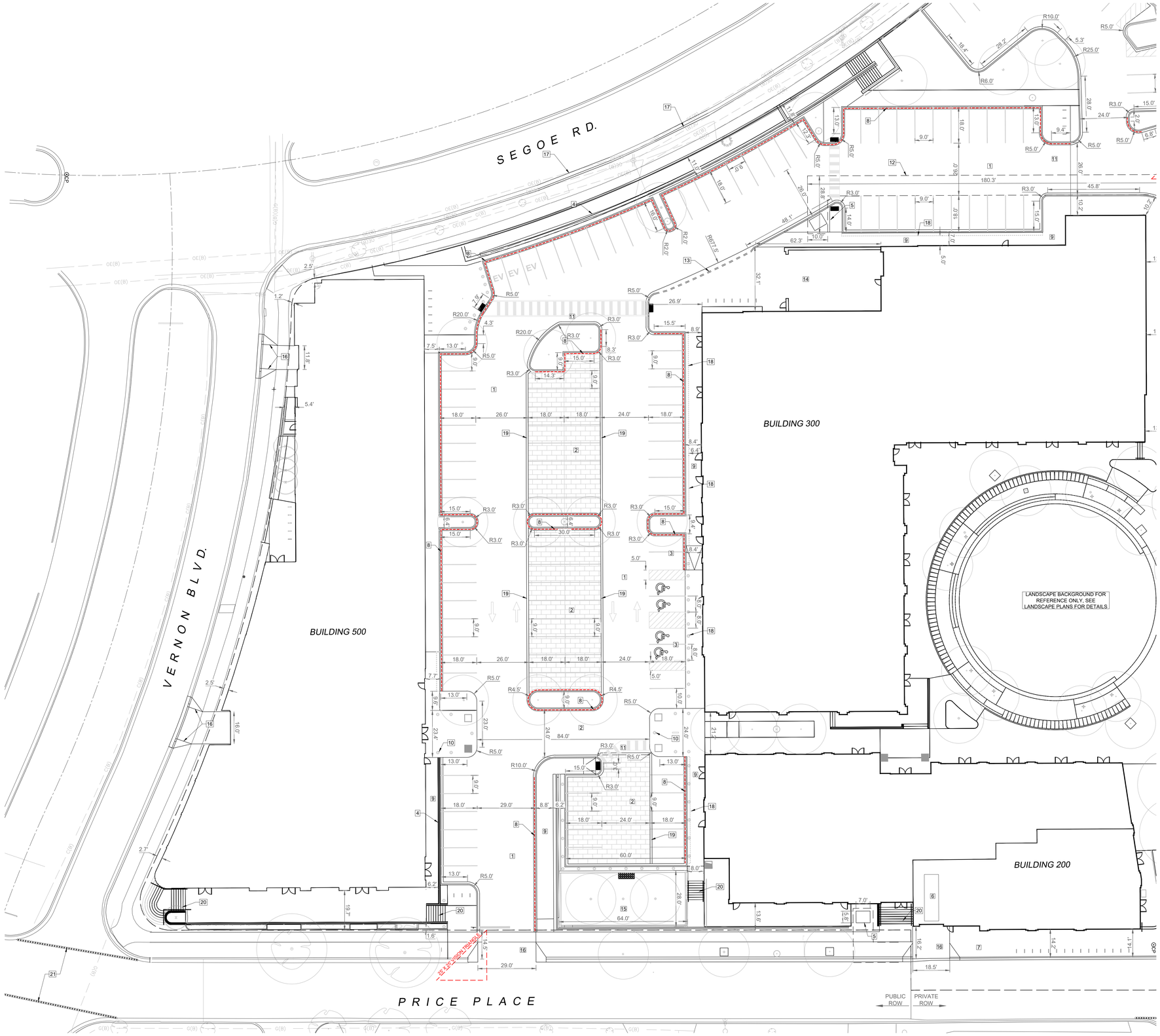
PROJECT NUMBER 120.0311.30

OVERALL SITE PLAN

C 200

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V:\Projects\2020\120.0311.30\CAD\120.0311.30 P200.dwg ALEXANDER KEEFE, OVERALL SITE PLAN, 2023/05/31, 3:30 PM, ARCH FULL BLEED E1 (30.00 X 42.00 INCHES)



SITE PLAN KEYNOTES

1. PROPOSED ASPHALT PAVEMENT
2. PROPOSED PERMEABLE PAVERS
3. A.D.A. ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS.
4. PROPOSED RETAINING WALL - CAST IN PLACE BY OTHERS
5. PROPOSED TRANSFORMER LOCATION. EXACT DIMENSIONS TBD.
6. PROPOSED REFUSE AND RECYCLING COMPACTORS
7. EXISTING MG&E EASEMENT AND DUCT BANK
8. REJECT CURB
9. PROPOSED SIDEWALK, 5" THICK
10. PROPOSED BOLLARDS
11. PROPOSED CROSSWALK
12. PROPOSED ELECTRIC EASEMENT
13. 30" MOUNTABLE CURB AND GUTTER, SEE DETAIL 2 ON C 504
14. PROPOSED 7" THICK CONCRETE LOADING AREA, SEE DETAIL ON C 504
15. BIORETENTION AREA, SEE DETAIL ON C 503
16. DRIVEWAY APRON, SEE DETAIL ON C 504
17. POUR NEW CURB AND GUTTER TO INFILL PREVIOUS DRIVEWAY APRON
18. PARKING OVERHANG OF 24"
19. 12" CONCRETE RIBBON CURB, SEE DETAIL ON SHEET C 504
20. CONCRETE STEPS AND RAILINGS BY OTHERS
21. SAWCUT EXISTING PAVEMENT

0 20 FEET

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P 617.232.8900

SNYDER & ASSOCIATES
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444

PROJECT INFORMATION

HILLDALE SHOPPING CENTER

HILLDALE

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
	5/31/2023	DESIGN DEVELOPMENT

KEY PLAN

SHEET INFORMATION

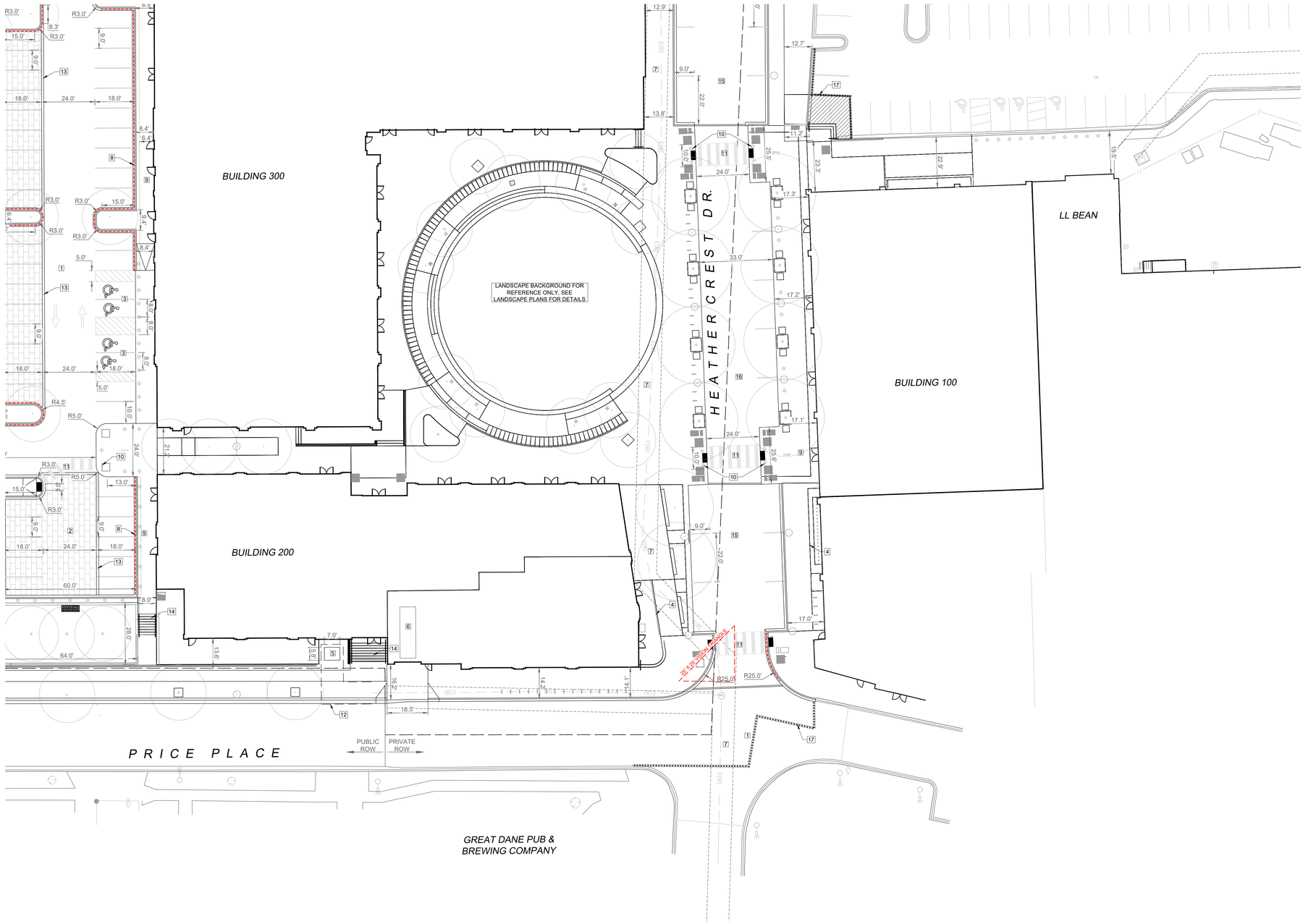
PROJECT MANAGER	SJA
PROJECT NUMBER	120.0311.30

SITE PLAN

C 201

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SITE PLAN KEYNOTES

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5. PROPOSED TRANSFORMER LOCATION. EXACT DIMENSIONS TBD.
6. PROPOSED REFUSE AND RECYCLING COMPACTORS
7. EXISTING MG&E EASEMENT AND DUCT BANK
8. REJECT CURB
9. PROPOSED SIDEWALK, 5" THICK
10. PROPOSED BOLLARDS
11. PROPOSED CROSSWALK
12. PROPOSED ELECTRIC EASEMENT
13. 12" CONCRETE RIBBON CURB, SEE DETAIL ON SHEET C 504
14. CONCRETE STEPS AND RAILINGS BY OTHERS
15. CONCRETE PAVEMENT
16. PROPOSED PAVERS, SEE LANDSCAPE PLANS
17. SAWCUT EXISTING PAVEMENT

0 20
FEET

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MADISON, WISCONSIN 53718
608-838-0444

PROJECT INFORMATION

HILLDALE SHOPPING CENTER

HILLDALE

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
	5/31/2023	DESIGN DEVELOPMENT

KEY PLAN

SHEET INFORMATION

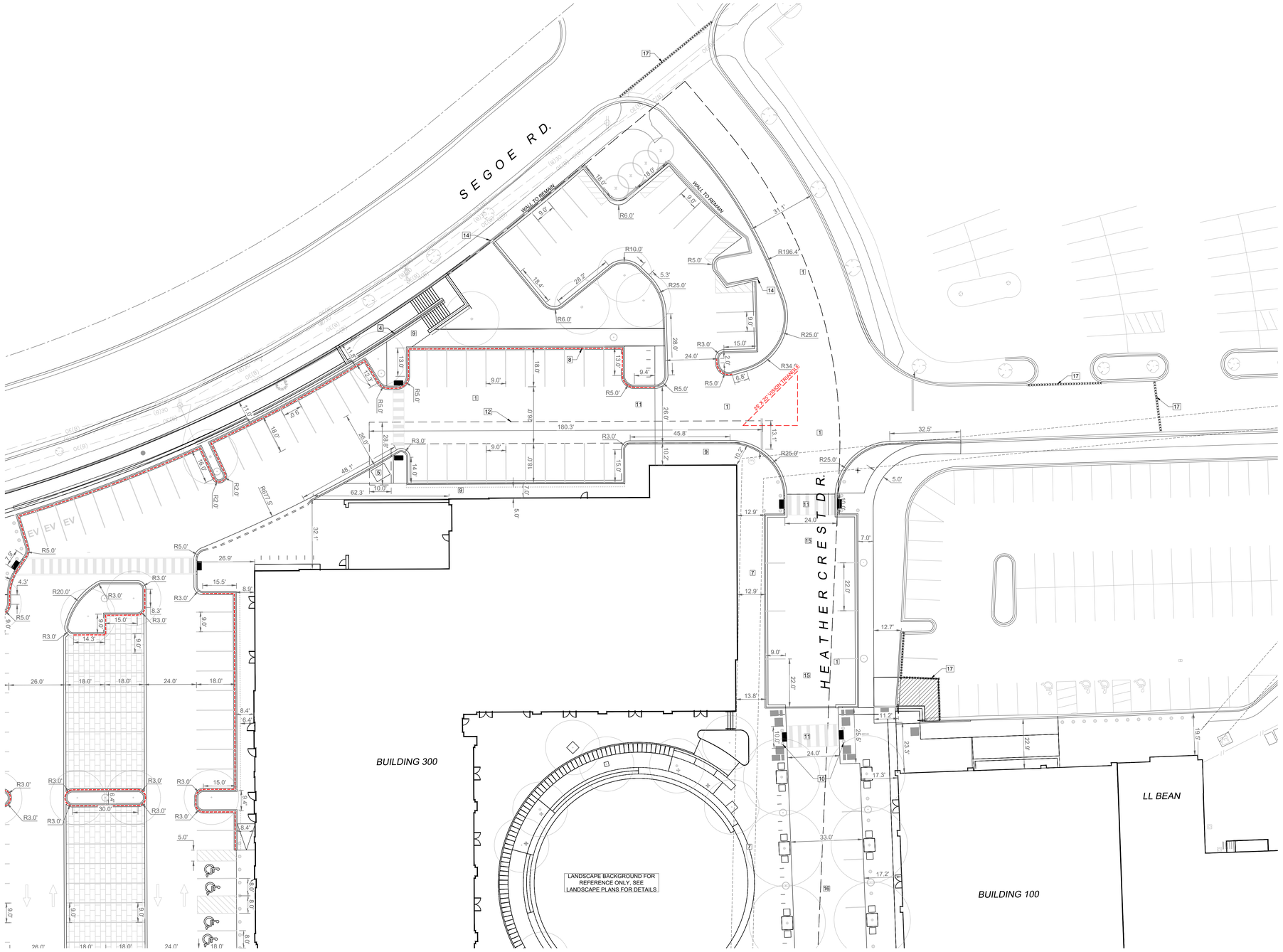
PROJECT MANAGER SJA
PROJECT NUMBER 120.0311.30

SITE PLAN

C 202

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SITE PLAN KEYNOTES

1. PROPOSED ASPHALT PAVEMENT
2. PROPOSED PERMEABLE PAVERS
3. A.D.A. ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS.
4. PROPOSED RETAINING WALL, TYPE TBD
5. PROPOSED TRANSFORMER LOCATION. EXACT DIMENSIONS TBD.
6. PROPOSED REFUSE AND RECYCLING COMPACTORS
7. EXISTING MG&E EASEMENT AND DUCT BANK
8. REJECT CURB
9. PROPOSED SIDEWALK, 5" THICK
10. PROPOSED BOLLARDS
11. PROPOSED CROSSWALK
12. PROPOSED ELECTRIC EASEMENT
13. PROPOSED DRIVEWAY
14. A PORTION OF THE EXISTING RETAINING WALL TO REMAIN
15. CONCRETE PAVEMENT
16. PROPOSED PAVERS, SEE LANDSCAPE PLANS
17. SAWCUT EXISTING PAVEMENT

0 20 FEET

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PROJECT INFORMATION

HILLDALE SHOPPING CENTER

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ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
	5/31/2023	DESIGN DEVELOPMENT

KEY PLAN

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PROJECT MANAGER	SJA
PROJECT NUMBER	120.0311.30

SITE PLAN

C 203

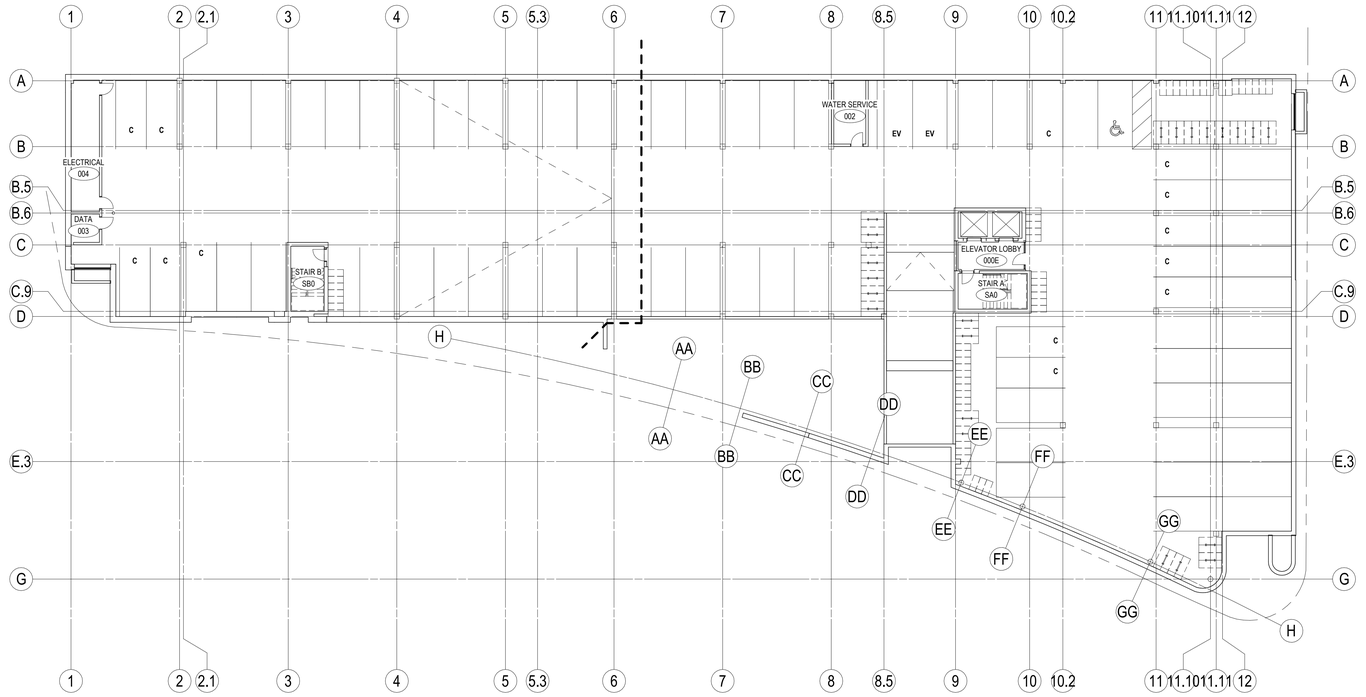
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2.	ALL DIMENSION STRINGS ARE TO FINISH FACE OF WALL, UNLESS NOTED OTHERWISE.
3.	REFER TO STRUCTURAL DRAWINGS FOR ELEMENTS, INCLUDING BUT NOT LIMITED TO POST TENSION CABLES OR OTHER REINFORCEMENT EMBEDDED IN FLOOR SLABS, PRIOR TO CORING OR CUTTING PENETRATIONS.
4.	REFER TO SHEET A010 FOR REFERENCED PARTITION TYPES AND DETAILS. WALLS NOT TAGGED ON THESE PLANS SHALL BE PARTITION TYPE S3A-S11, TYPICAL DEMISING AND CORRIDOR WALL TYPES S6A-R12 UNLESS NOTED OTHERWISE.
5.	ALL WALLS DIRECTLY BEHIND OR ADJACENT TO PLUMBING FIXTURES SHALL RECEIVE MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD, UNLESS NOTED OTHERWISE.
6.	LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
7.	PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.

KEYNOTES PER SHEET



A3 LL
1/16" = 1'-0"

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PROJECT INFORMATION

HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
10/18/2022	SCHEMATIC DESIGN REVISIONS
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

LL PLAN - OVERALL

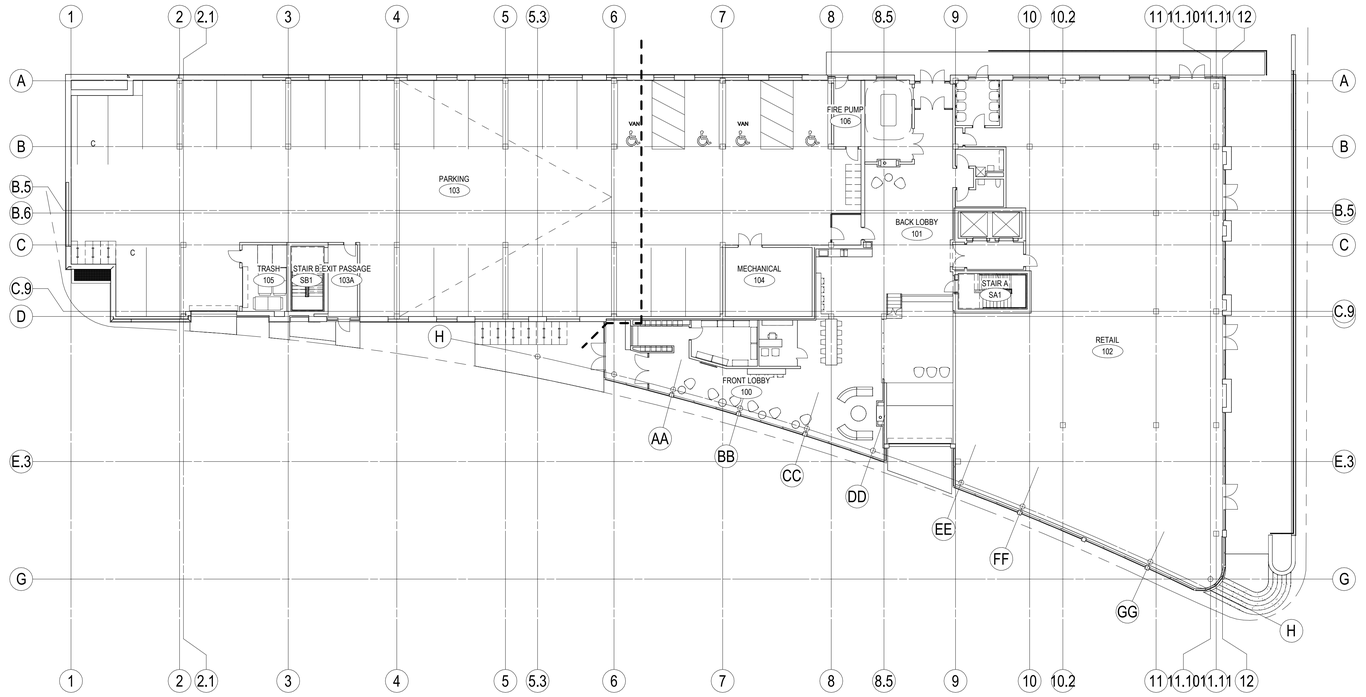
A100

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KEYNOTES PER SHEET



A3 1ST FLR
1/16" = 1'-0"

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PROJECT INFORMATION

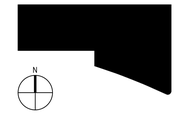
HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

1ST FLR PLAN - OVERALL

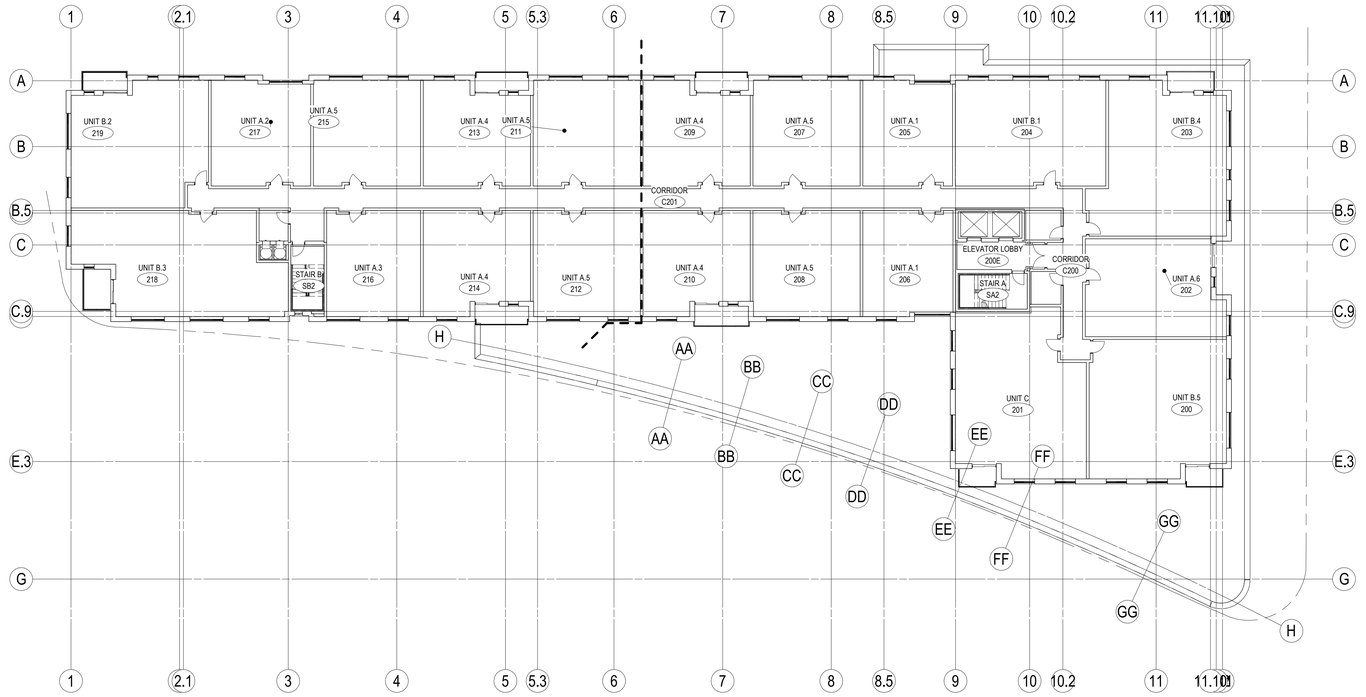
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KEYNOTES PER SHEET



A3 2ND FLR
1/16" = 1'-0"

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PROJECT INFORMATION

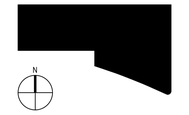
HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER JP

PROJECT NUMBER 719494-01

2ND-6TH FLR PLAN - OVERALL

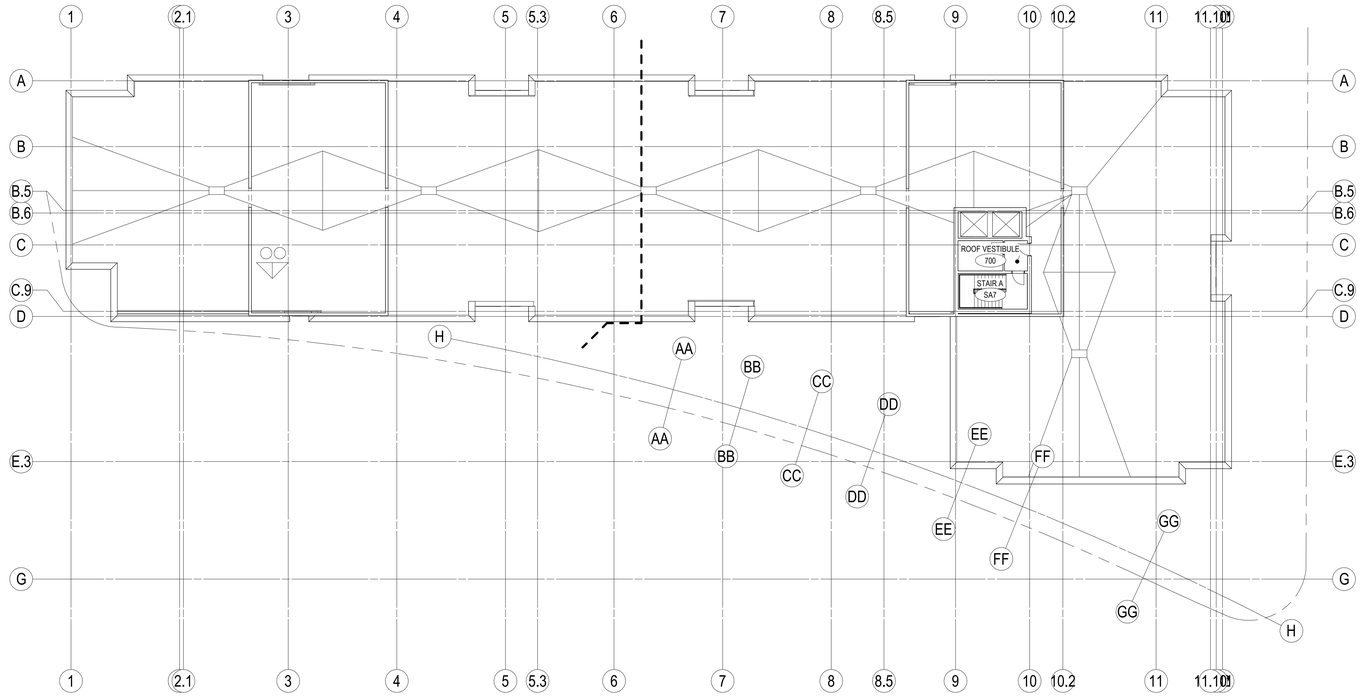
A102

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KEYNOTES PER SHEET



A3 ROOF
1/16" = 1'-0"

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PROJECT INFORMATION

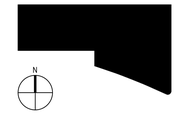
HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

ROOF PLAN - OVERALL

A107

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BUILDING 500 Perspective Building Elevations



BUILDING 500 North Elevation



BUILDING 500 South Elevation

2023.05.15 | UDC SUBMISSION | HILLDALE PHASE 3 DEVELOPMENT

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BUILDING 500 Perspective Building Elevations



BUILDING 500 East Elevation



BUILDING 500 West Elevation

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BUILDING 500 View from Site



BUILDING 500 View Approaching North Entry

2023.05.15 | UDC SUBMISSION | HILLDALE PHASE 3 DEVELOPMENT

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BUILDING 500 Materials





Glen-Gery "Oyster White w/ Speck"

Modular brick (3-5/8" deep, 2-1/4" tall, 7-5/8" wide) 3/8" mortar joint, stacked bond or soldier stacked bond, additional patterns with recessed coursing



Glen-Gery "Revere Pewter Velour"

Modular brick (3-5/8" deep, 2-1/4" tall, 7-5/8" wide) 3/8" mortar joint, stacked bond or soldier stacked bond, additional patterns with recessed coursing



Alucobond Plus "Sage Green"

4mm ACM panels with standing seam battens



Belden Brick Co. "Colony Blend"

Modular brick (3-5/8" deep, 2-1/4" tall, 7-5/8" wide) 3/8" mortar joint, stacked bond or soldier stacked bond, additional patterns with recessed coursing



Glen-Gery "Ebonite Smooth" (Recessed behind red)

Modular brick (3-5/8" deep, 2-1/4" tall, 7-5/8" wide) 3/8" mortar joint, stacked bond or soldier stacked bond, additional patterns with recessed coursing



Fairview Architectural Vitrabond ZCM

"Faux Zinc Fark" Flat Finish
Zinc composite panels



Glen-Gery "Hearthside Velour Ironspot"

Modular brick (3-5/8" deep, 2-1/4" tall, 7-5/8" wide) 3/8" mortar joint, stacked bond or soldier stacked bond, additional patterns with recessed coursing

BUILDING 500 View Approaching North Entry

2023.05.15 | UDC SUBMISSION | HILLDALE PHASE 3 DEVELOPMENT

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BUILDING 500 Inspiration from Existing Building / Site



BMO Harris Building 310 Price Place



BMO Harris Building Examples of brick detail

The existing BMO Harris Building located at 310 Price Place features buff brick façade panels alternating with columns of windows and metal panel spandrels. The proposed building recalls the materiality and detailing of the existing building. There is an existing brick detail woven into the BMO Harris shown above which we chose to reference in the recessed brick spandrels.



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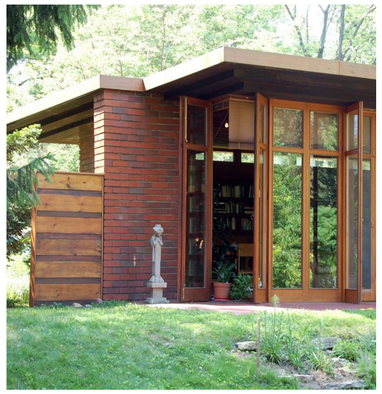
BUILDING 500 Inspiration from Hill Farms District and Adjacent Neighborhoods



Fond Du Loc Trail Madison, WI



2900 Hunter Hill Madison, WI





Herbert and Katherine Jacobs House Madison, WI



Grayson Building 4414 Regent Place

CONTEXT

The proposed residential building recalls the architectural spirit of the mid-century modern history of the Hill Farms District and surrounding neighborhoods. Simple horizontal forms juxtaposed with vertical massing elements and the use of warm materials with colors such as ‘cherokee red’ and lighter buff brick/stone which are prevalent in the Hill Farms area.



Herbert and Katherine Jacobs House Madison, WI



Priscilla Lane Madison, WI



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BUILDING 500 Window Detail



FACADE DETAIL VIEW East Elevation



FACADE DETAIL VIEW North Elevation

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BUILDING 500 View from Site



2023.05.15 | UDC SUBMISSION | HILLDALE PHASE 3 DEVELOPMENT

WSDEVELOPMENT | eu:a | Hacin

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C3 NORTH - WEST
1/8" = 1'-0"



B2 NORTH - EAST
1/8" = 1'-0"

SHEET NOTES - EXTERIOR ELEVATIONS

1.	SEE SHEET A220-A222 FOR EXTERIOR FRAME TYPES AND DIMENSIONS.
2.	ALL OUTSIDE CORNERS OF MASONRY TO BE BULLNOSED INCLUDING OPENING JAMBS.
3.	EXTERIOR SIGNAGE ON BUILDING TO BE COORDINATED AND VERIFIED WITH ARCHITECT, OWNER AND SIGNAGE VENDOR.
4.	ALL VERTICAL INSIDE CORNERS TO HAVE 1/2" MOVEMENT JOINT.
5.	MJ = INDICATES MOVEMENT JOINT - 1/2" GAP.
6.	PJ = INDICATES METAL PANEL JOINT - 1/2" GAP.

KEYNOTES PER SHEET

B-1A	GLEN-GERY OYSTER WHITE, MODULAR BRICK, STACK STRETCHER BOND
B-1B	GLEN-GERY REVERE PEWTER VELOUR, MODULAR BRICK, SOLDIER STRETCHER BOND
B-2A	BELDEN BRICK CO. COLONY BLEND, MODULAR BRICK, STACK STRETCHER BOND
B-2B	BELDEN BRICK CO. HEARTHSIDE VELOUR IRONSPOT, MODULAR BRICK, SOLDIER STRETCHER BOND
B-3	GLEN-GERY EBONITE SMOOTH, MODULAR BRICK, SOLDIER STRETCHER BOND
MP-1	ALUMINUM COMPOSITE PANEL, ALUCOBOND PLUS, SAGE GREEN, STANDING SEAM BATTENS
MP-2	ZINC COMPOSITE PANEL, FAIRVIEW ARCHITECTURAL VITRABOND, FAUX ZINC FARK, FLAT FINISH, STANDING SEAM BATTENS
MS-1	EXPANDED METAL MESH PRIVACY SCREEN

EXTERIOR MATERIAL KEY

B-1A	GLEN-GERY OYSTER WHITE, MODULAR BRICK, STACK STRETCHER BOND
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MS-1	EXPANDED METAL MESH PRIVACY SCREEN

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PROJECT INFORMATION

HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL
05/15/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER JP

PROJECT NUMBER 719494-01

EXTERIOR ELEVATION - NORTH

A200

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C3 WEST
1/8" = 1'-0"



A3 EAST
1/8" = 1'-0"

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EXTERIOR MATERIAL KEY

- B-1A — GLEN-GERY OYSTER WHITE, MODULAR BRICK, STACK STRETCHER BOND
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- MS-1 — EXPANDED METAL MESH PRIVACY SCREEN

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PROJECT INFORMATION

HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
10/18/2022	SCHEMATIC DESIGN REVISIONS
03/13/2023	CITY SUBMITTAL
05/15/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER JP

PROJECT NUMBER 719494-01

EXTERIOR ELEVATION - EAST & WEST

A201

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C3 SOUTH - WEST
1/8" = 1'-0"



A2 SOUTH - EAST
1/8" = 1'-0"

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EXTERIOR MATERIAL KEY

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PROJECT INFORMATION

HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL
05/15/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

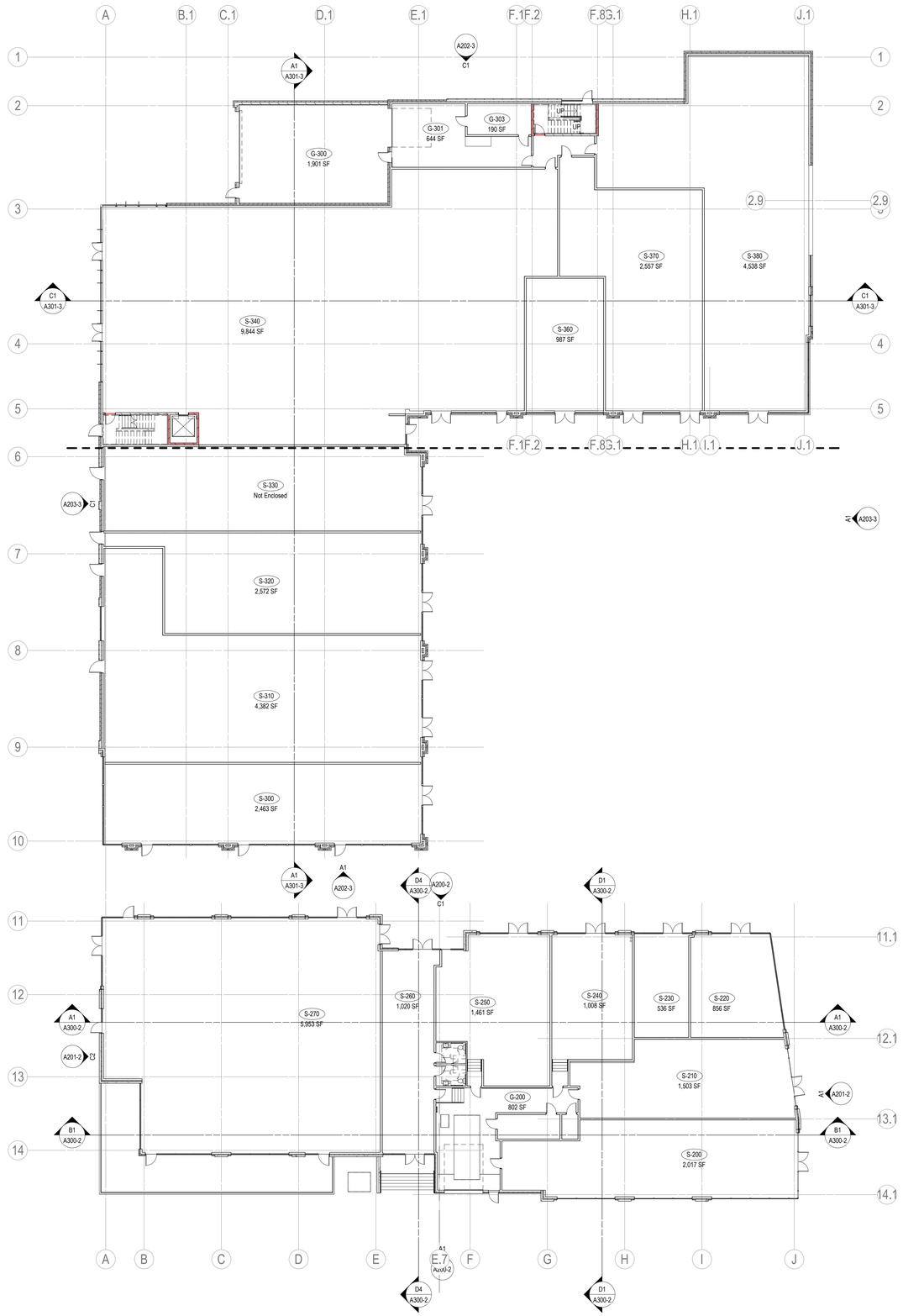
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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

EXTERIOR ELEVATION - SOUTH

A202

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A1 1ST FLR PLAN - OVERALL
1/16" = 1'-0"

SHEET NOTES - FLOOR PLAN

1.	BEFORE BEGINNING WORK, VERIFY THE EXISTENCE AND LOCATION OF PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.
2.	ALL DIMENSION STRINGS ARE TO FINISH FACE OF WALL, UNLESS NOTED OTHERWISE.
3.	REFER TO STRUCTURAL DRAWINGS FOR ELEMENTS, INCLUDING BUT NOT LIMITED TO POST TENSION CABLES OR OTHER REINFORCEMENT EMBEDDED IN FLOOR SLABS, PRIOR TO CORING OR CUTTING PENETRATIONS.
4.	REFER TO SHEET A010-2 FOR REFERENCED PARTITION TYPES AND DETAILS. WALLS NOT TAGGED ON THESE PLANS SHALL BE PARTITION TYPE S9A-S11.
5.	ALL WALLS DIRECTLY BEHIND OR ADJACENT TO PLUMBING FIXTURES SHALL RECEIVE MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD, UNLESS NOTED OTHERWISE.
6.	LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
7.	PREPARE FLOOR LEVEL AND SMOOTH FOR NEW HARD SURFACE FINISHES. PATCH PENETRATIONS AND ABNORMALITIES IN CONCRETE FLOOR.
8.	PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.

KEYNOTES PER SHEET

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PROJECT INFORMATION

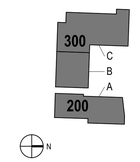
Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

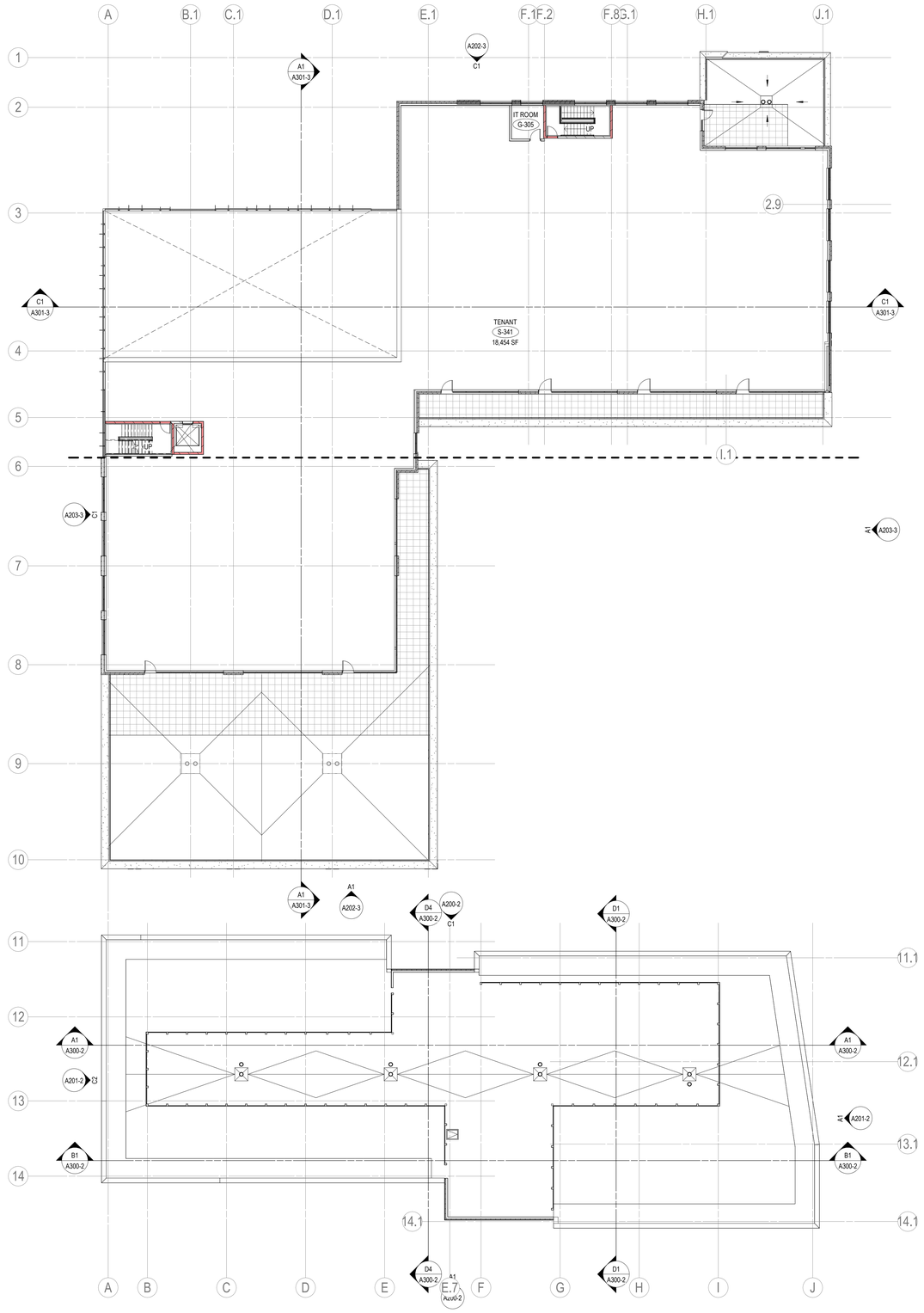
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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

1ST FLR PLAN - OVERALL

A101-2

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A1 2ND FLR PLAN - OVERALL
1/16" = 1'-0"

SHEET NOTES - FLOOR PLAN

1.	BEFORE BEGINNING WORK, VERIFY THE EXISTENCE AND LOCATION OF PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.
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6.	LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
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8.	PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.

KEYNOTES PER SHEET

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PROJECT INFORMATION

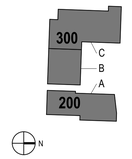
Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

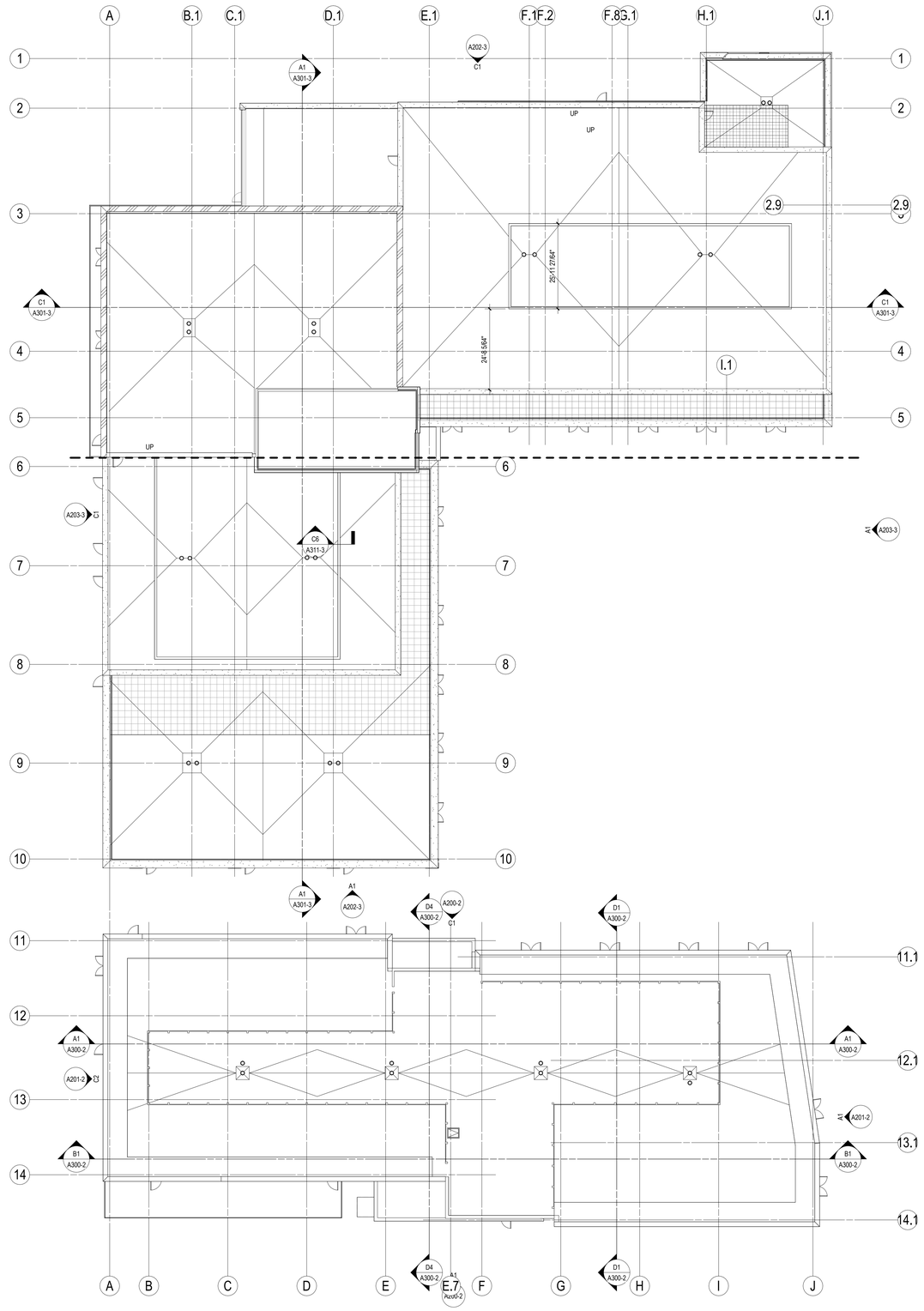
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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

2ND FLR PLAN - OVERALL

A102-2

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A1 ROOF PLAN - OVERALL
1/16" = 1'-0"

SHEET NOTES - ROOF PLAN

1.	ALL CONTRACTORS SHALL COORDINATE AND LOCATE ALL ROOF OPENINGS AND PENETRATIONS WITH STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS.
2.	PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURERS STANDARD DETAILS AND REQUIREMENT FOR WARRANTY AND CURRENT NRCA STANDARDS.
3.	PROVIDE TAPERED INSULATION SADDLES AND CRICKETS AT 1/4" PER FOOT AT ALL ROOF TOP EQUIPMENT AND PENETRATIONS TO ENSURE POSITIVE DRAINAGE.

ROOF PLAN LEGEND

RD	ROOF DRAIN
OFD	OVERFLOW DRAIN
DS	DOWNSPOUT
	MEMBRANE ROOF PAVER
X"	INSULATION THICKNESS
←	SLOPE DIRECTION OF ROOF & TAPERED INSULATION

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET

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PROJECT INFORMATION

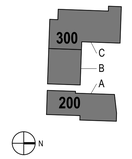
Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

ROOF PLAN - OVERALL

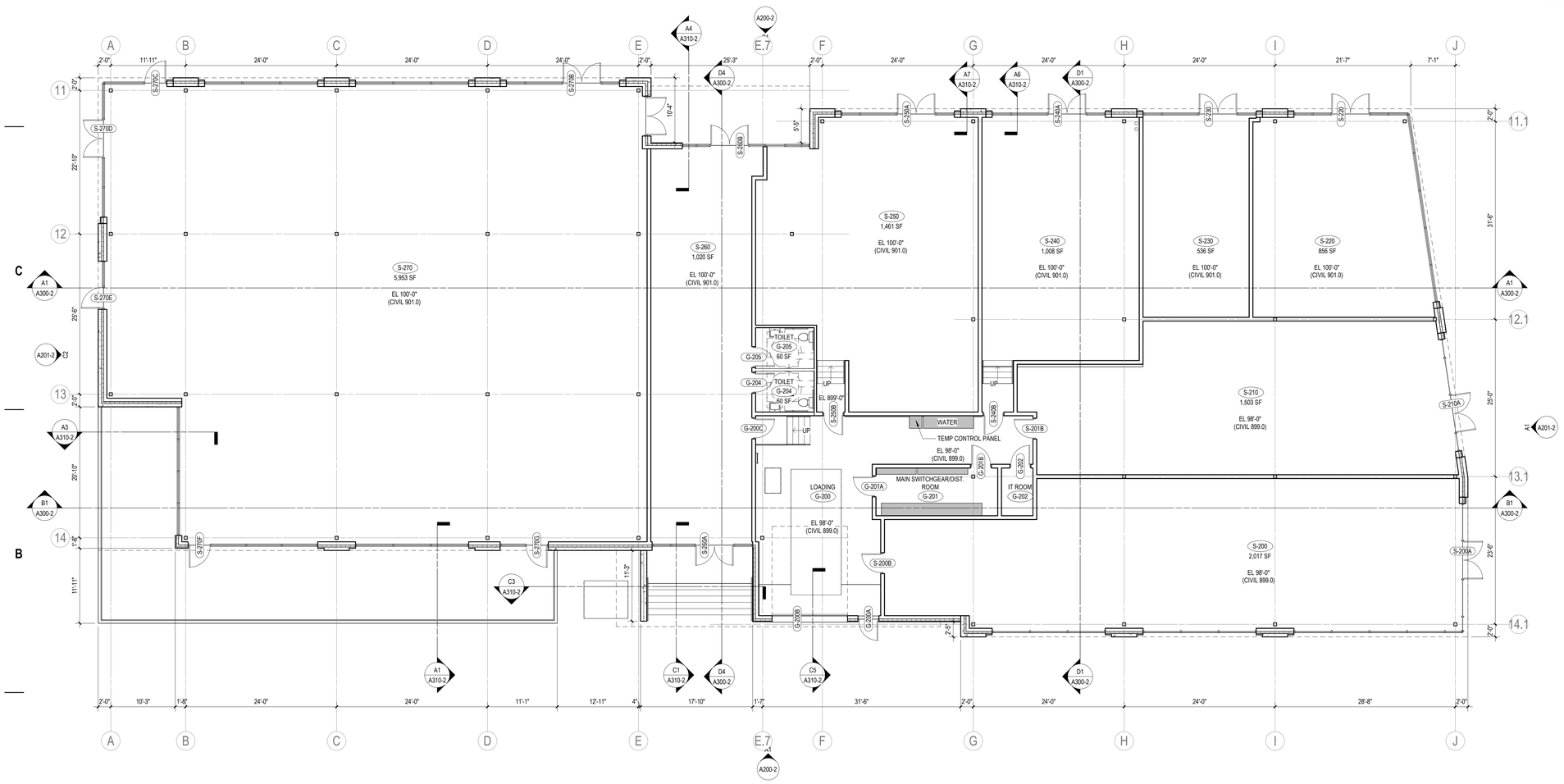
A104-2

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SHEET NOTES - FLOOR PLAN

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8.	PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.

KEYNOTES PER SHEET



A1 1ST FLR PLAN - 200 - AREA A
1/8" = 1'-0"

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PROJECT INFORMATION

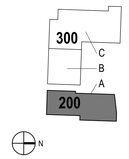
Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

1ST FLR PLAN - 200 - AREA A

A101A-2

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SHEET NOTES - ROOF PLAN

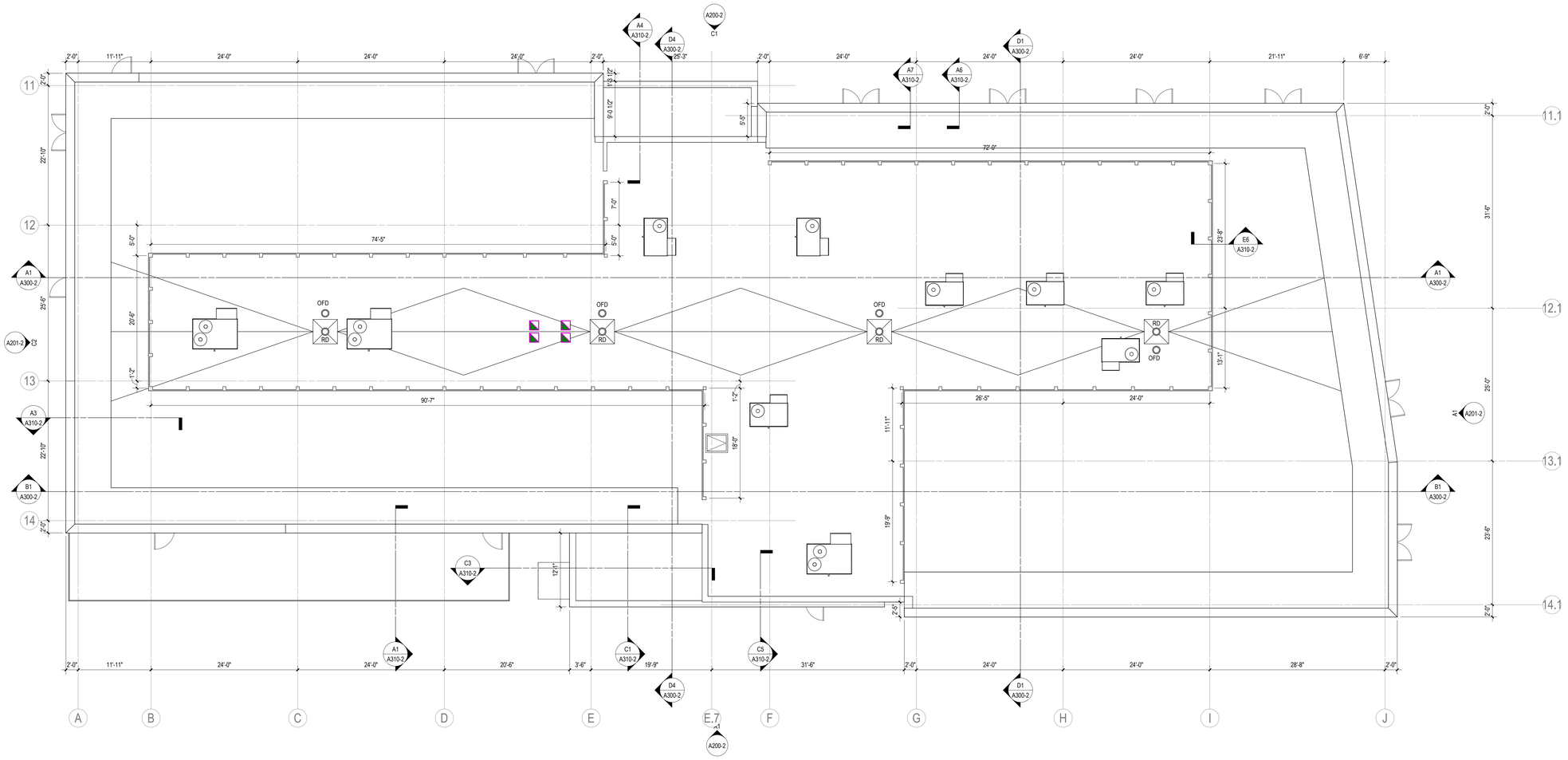
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ROOF PLAN LEGEND

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OFD	OVERFLOW DRAIN
DS	DOWNSPOUT
☐	MEMBRANE ROOF PAVER
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←	SLOPE DIRECTION OF ROOF & TAPERED INSULATION

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET



A1 ROOF PLAN - 200 - AREA A
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PROJECT INFORMATION

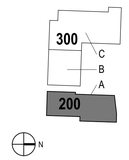
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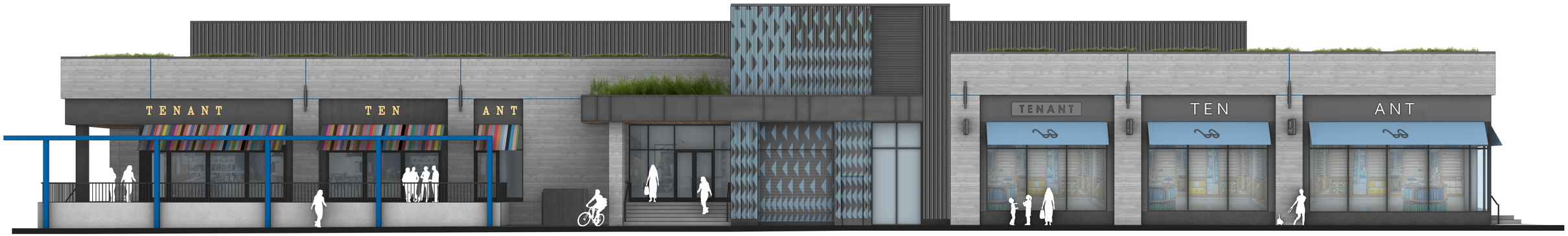
PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

ROOF PLAN - 200 - AREA A

A104A-2

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BUILDING 200 Perspective Building Elevations



BUILDING 200 East Elevation



BUILDING 200 West Elevation

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WSDEVELOPMENT | eu:a | Hacin

BUILDING 200 Perspective Building Elevations



BUILDING 200 North Elevation



BUILDING 200 South Elevation

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BUILDING 200 Materials

Landscape Trellis
Painted Structural Steel

"Interstate Blue" (Sherwin-Williams)

Recessed Panel Joint Trim
Painted Aluminum

"Interstate Blue" (Sherwin-Williams)



Stonecast Products, Inc.
Board Formed Precast Concrete Panel

6" thick veneer
8" tall board formed texture

(Same spec used at Cafe Hollander project on Northwest side of Hilldale)

ATAS International "Metafor"
Corrugated Metal Panel

"Anchor Grey" with concealed fasteners and color matched trim

(Painted mural artwork by landlord)

Alucobond Plus
4mm ACM Panels

"Faux Zinc Dark"



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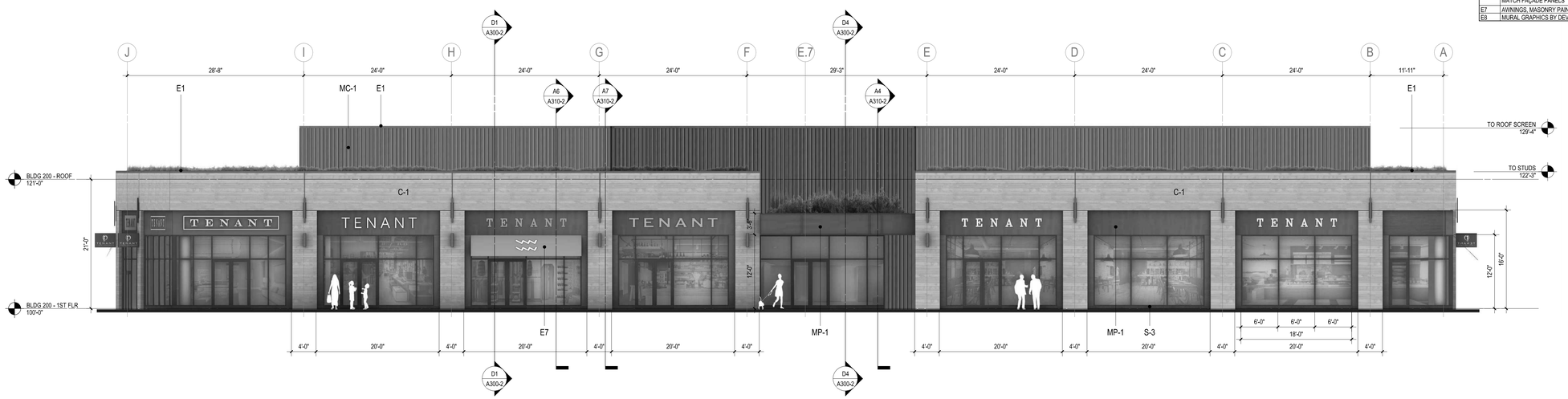
KEYNOTES PER SHEET

SHEET NOTES - EXTERIOR ELEVATIONS

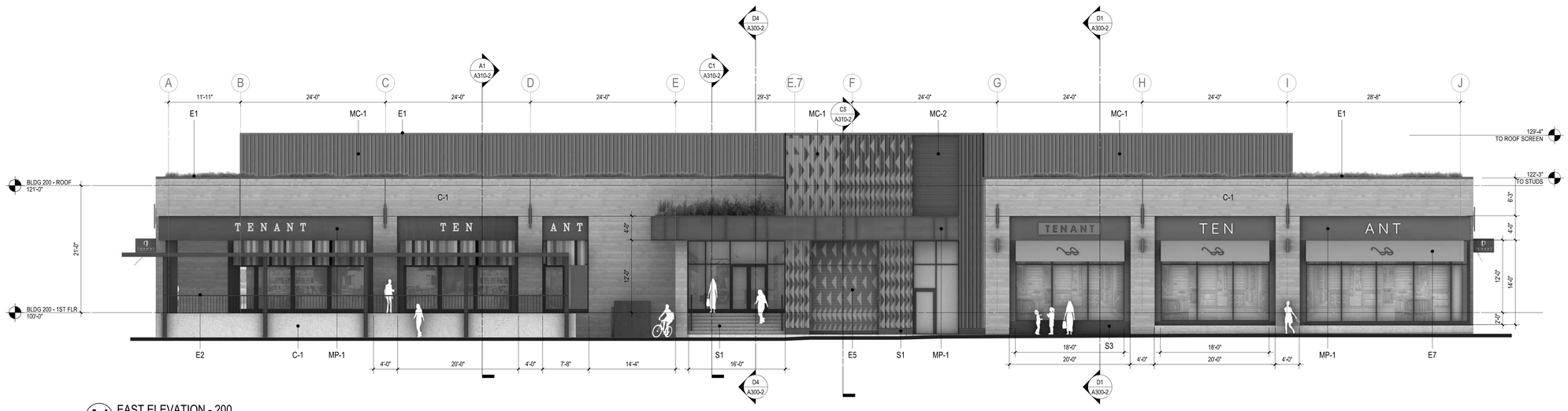
1.	REFER TO BUILDING 200 AND 300 NARRATIVE FOR DETAILED EXPLANATION OF EXTERIOR MATERIALS
2.	PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL PRECAST CONCRETE JOINTS.
3.	ALL INSIDE AND OUTSIDE CORNERS OF PRECAST TRIM TO NOT BE MITERED.
4.	EXTERIOR SIGNAGE ON BUILDING TO BE COORDINATED AND VERIFIED WITH ARCHITECT, OWNER AND SIGNAGE VENDOR.

EXTERIOR MATERIALS

BC-1	MASONRY BRICK
BC-2	MASONRY BRICK
BC-3	MASONRY BRICK
BC-4	MASONRY BRICK
BC-5	MASONRY BRICK
BC-6	MASONRY BRICK
BC-7	MASONRY BRICK
C-1	BOARD FORMED CONCRETE
MC-1	CORRUGATED METAL
MC-2	CORRUGATED METAL
MP-1	METAL PANEL
MP-2	METAL PANEL
MP-3	METAL PANEL
MS-1	METAL PANEL SCREEN
S-1	STONE
S-2	STONE
S-3	STONE
E1	ALUMININUM PARAPET FLASHING
E2	METAL PIPE HANDRAIL
E3	PARAPET-MOUNTED METAL PIPE HANDRAIL
E4	PERFORATED METAL SIGN BAND
E5	STEEL OVERHEAD DOOR
E6	METAL FINS (2X7) PROJECTING FROM METAL FAÇADE. MATERIAL, FINISH TO MATCH FAÇADE PANELS
E7	AWNINGS, MASONRY PAINTED BY TENANT
E8	MURAL GRAPHICS BY DEVELOPER



C1 WEST ELEVATION - 200
1/8" = 1'-0"



A1 EAST ELEVATION - 200
1/8" = 1'-0"

KEY PLAN

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PROJECT INFORMATION

Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

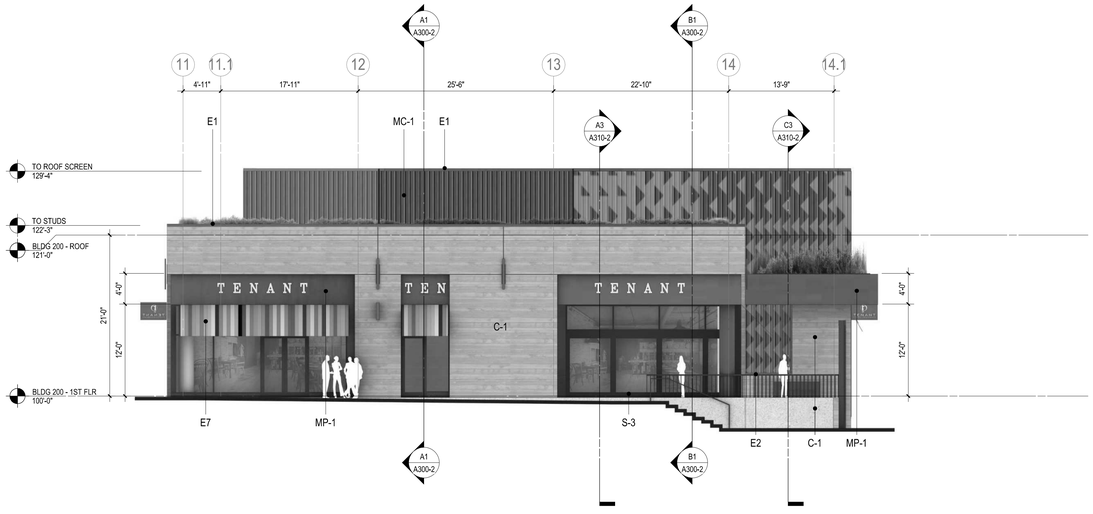
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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

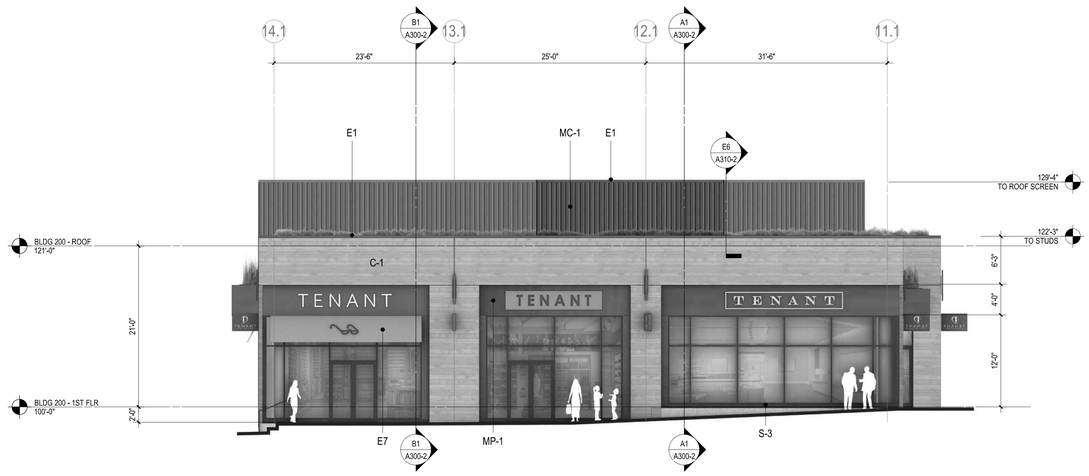
EXTERIOR ELEVATIONS - 200

A200-2

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C2 SOUTH ELEVATION - 200
1/8" = 1'-0"



A1 NORTH ELEVATION - 200
1/8" = 1'-0"

KEYNOTES PER SHEET

SHEET NOTES - EXTERIOR ELEVATIONS

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EXTERIOR MATERIALS

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BC-2	MASONRY BRICK
BC-3	MASONRY BRICK
BC-4	MASONRY BRICK
BC-5	MASONRY BRICK
BC-6	MASONRY BRICK
BC-7	MASONRY BRICK
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PROJECT INFORMATION

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Madison, WI 53705

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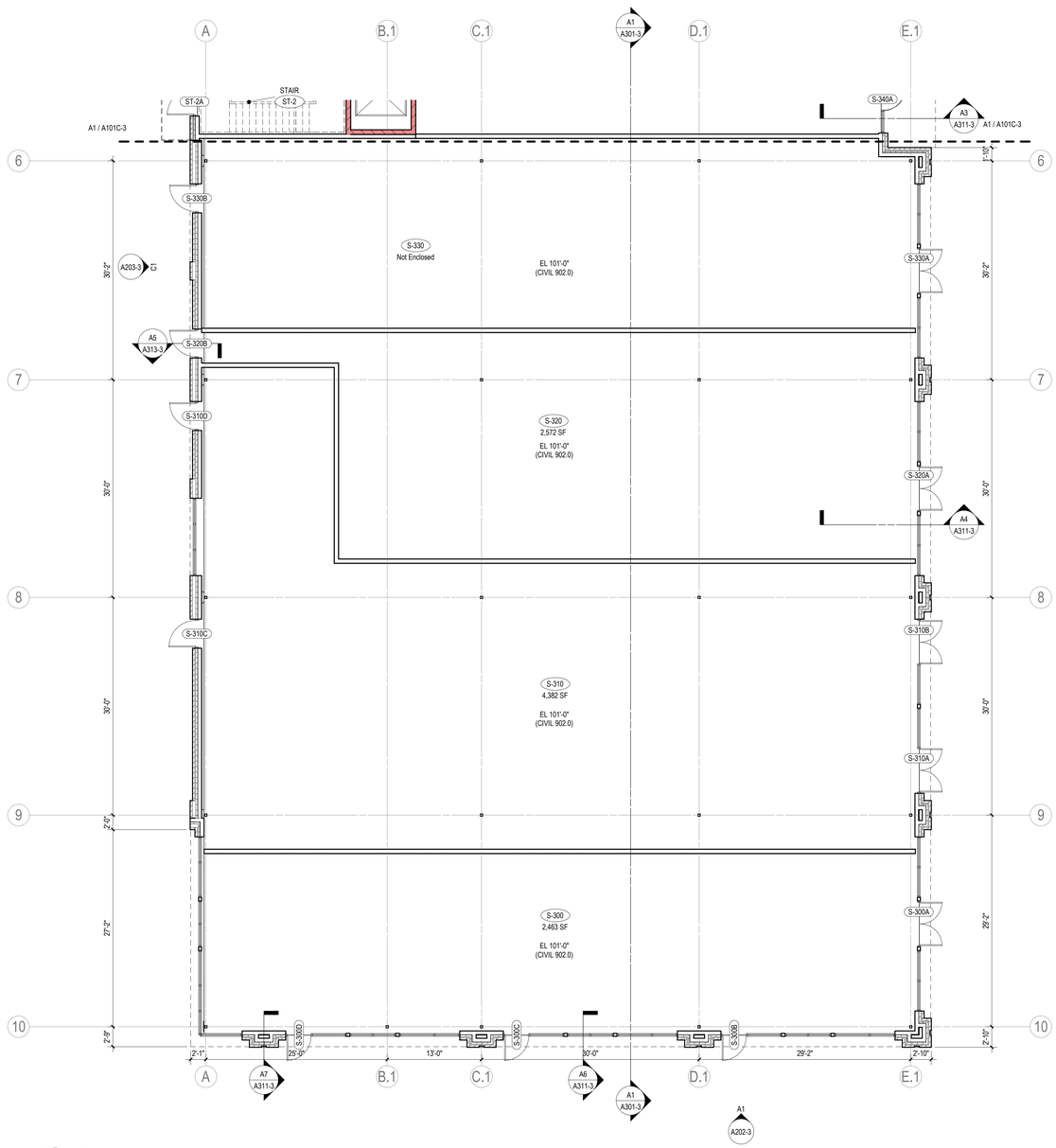
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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

EXTERIOR ELEVATIONS - 200

A201-2

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A1 1ST FLR PLAN - 300 - AREA B
1/8" = 1'-0"

SHEET NOTES - FLOOR PLAN

1.	BEFORE BEGINNING WORK, VERIFY THE EXISTENCE AND LOCATION OF PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.
2.	ALL DIMENSION STRINGS ARE TO FINISH FACE OF WALL, UNLESS NOTED OTHERWISE.
3.	REFER TO STRUCTURAL DRAWINGS FOR ELEMENTS, INCLUDING BUT NOT LIMITED TO POST TENSION CABLES OR OTHER REINFORCEMENT EMBEDDED IN FLOOR SLABS, PRIOR TO CORING OR CUTTING PENETRATIONS.
4.	REFER TO SHEET A010-2 FOR REFERENCED PARTITION TYPES AND DETAILS. WALLS NOT TAGGED ON THESE PLANS SHALL BE PARTITION TYPE S9A-S11.
5.	ALL WALLS DIRECTLY BEHIND OR ADJACENT TO PLUMBING FIXTURES SHALL RECEIVE MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD, UNLESS NOTED OTHERWISE.
6.	LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
7.	PREPARE FLOOR LEVEL AND SMOOTH FOR NEW HARD SURFACE FINISHES. PATCH PENETRATIONS AND ABNORMALITIES IN CONCRETE FLOOR.
8.	PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.

KEYNOTES PER SHEET

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PROJECT INFORMATION

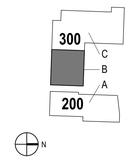
Hilldale - Phase 3 - Buildings 200 and 300

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Madison, WI 53705

ISSUANCE AND REVISIONS

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PROJECT NUMBER	719494-01

1ST FLR PLAN - 300 - AREA B

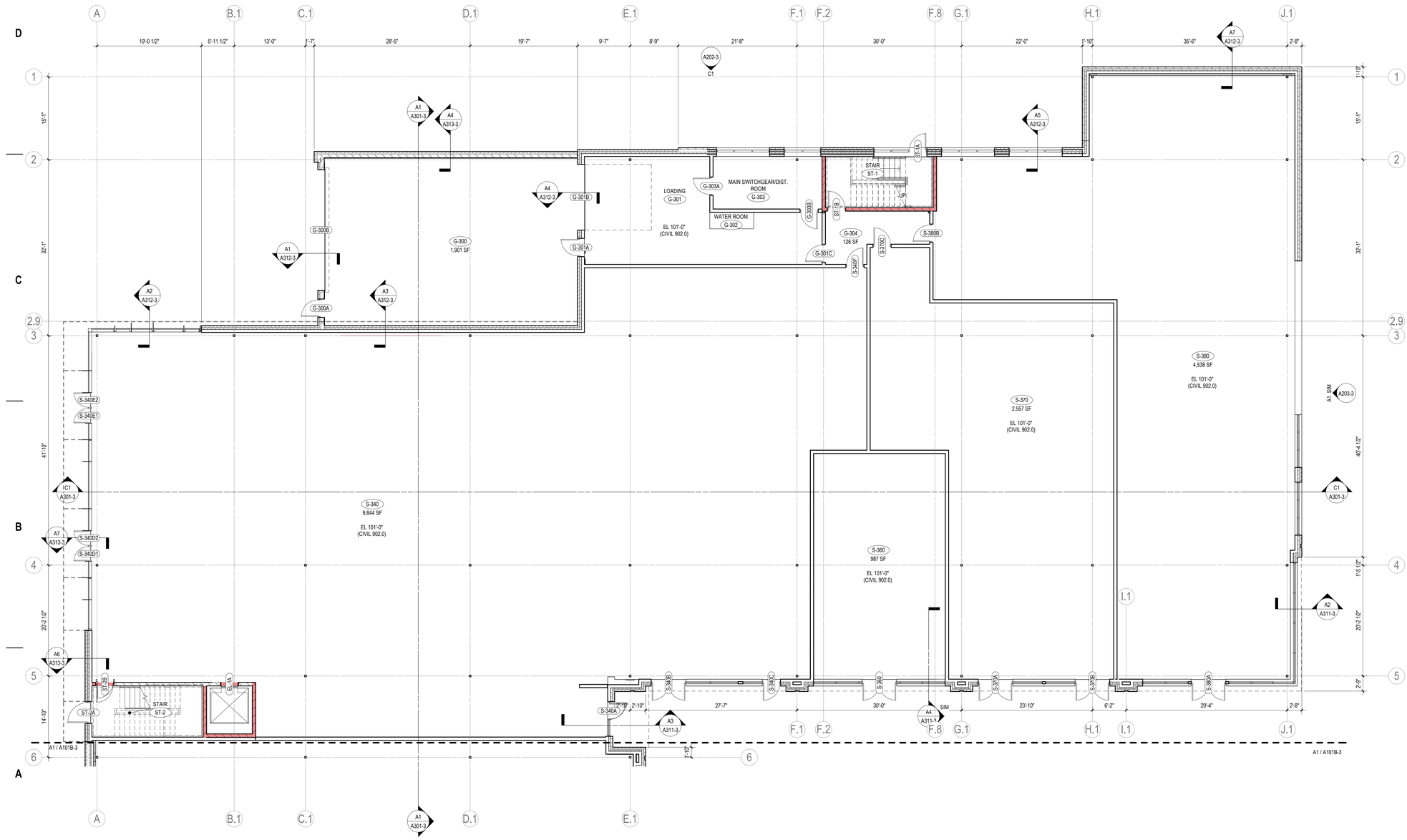
A101B-3

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SHEET NOTES - FLOOR PLAN

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KEYNOTES PER SHEET



A1 1ST FLR PLAN - 300 - AREA C
1/8" = 1'-0"

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PROJECT INFORMATION

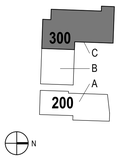
Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

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KEY PLAN



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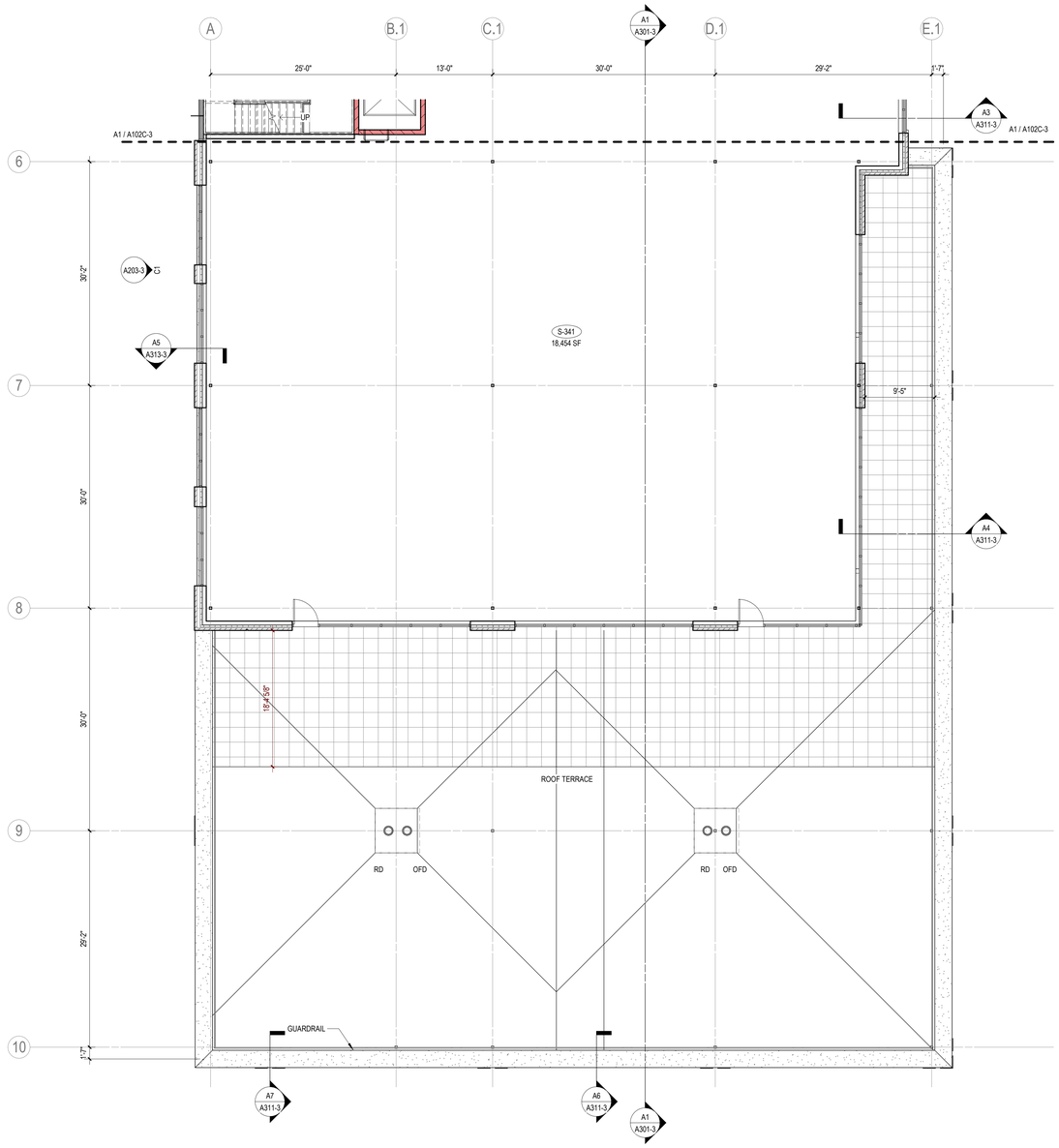
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1ST FLR PLAN - 300 - AREA C

A101C-3

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A1 2ND FLR PLAN - 300 - AREA B
1/8" = 1'-0"

SHEET NOTES - FLOOR PLAN

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KEYNOTES PER SHEET

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PROJECT INFORMATION

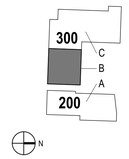
Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

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PROJECT NUMBER	719494-01

2ND FLR PLAN - 300 - AREA B

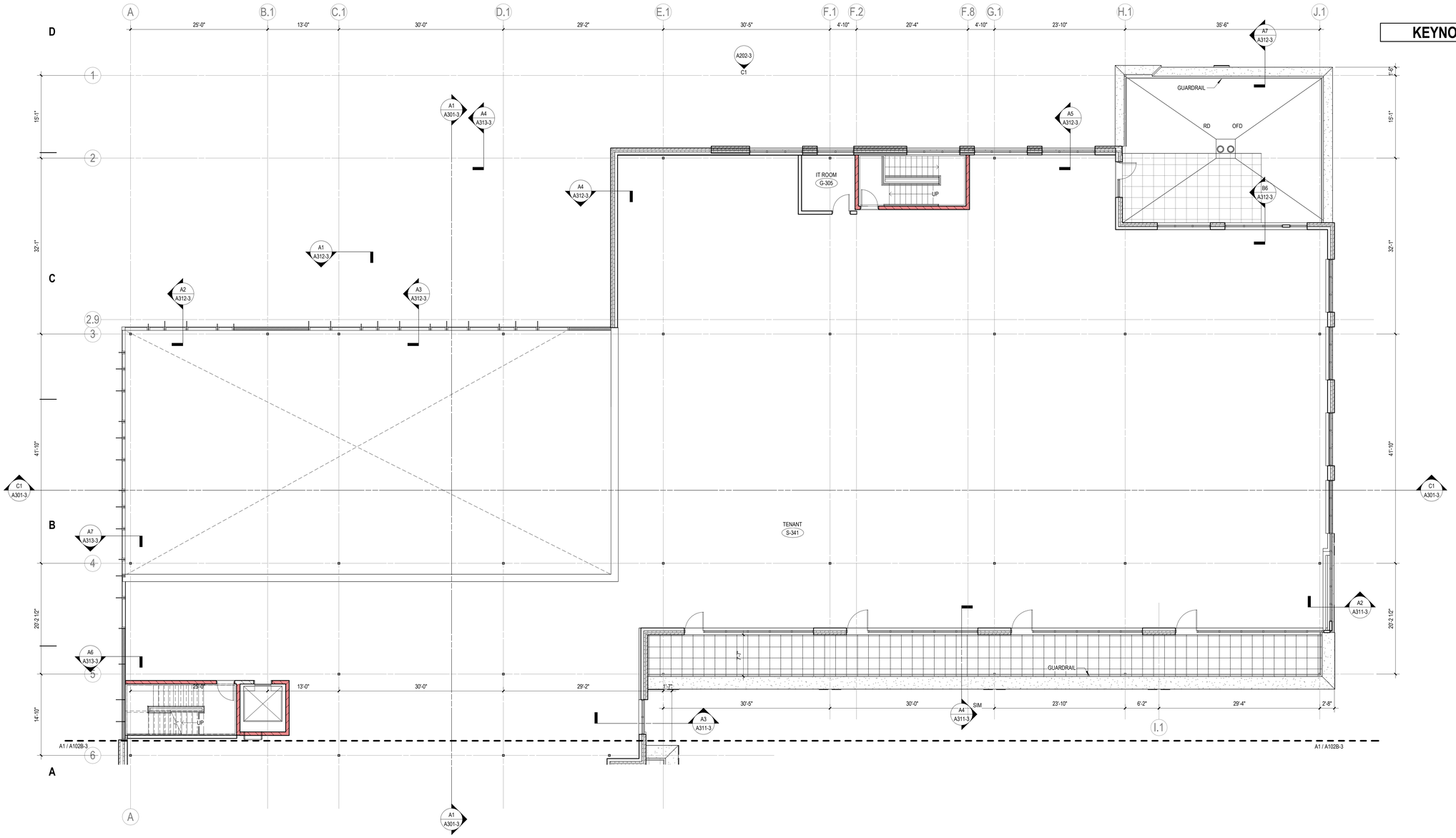
A102B-3

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SHEET NOTES - FLOOR PLAN

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KEYNOTES PER SHEET



A1 2ND FLR PLAN - 300 - AREA C
1/8" = 1'-0"

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PROJECT INFORMATION

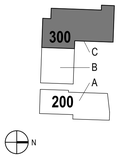
Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

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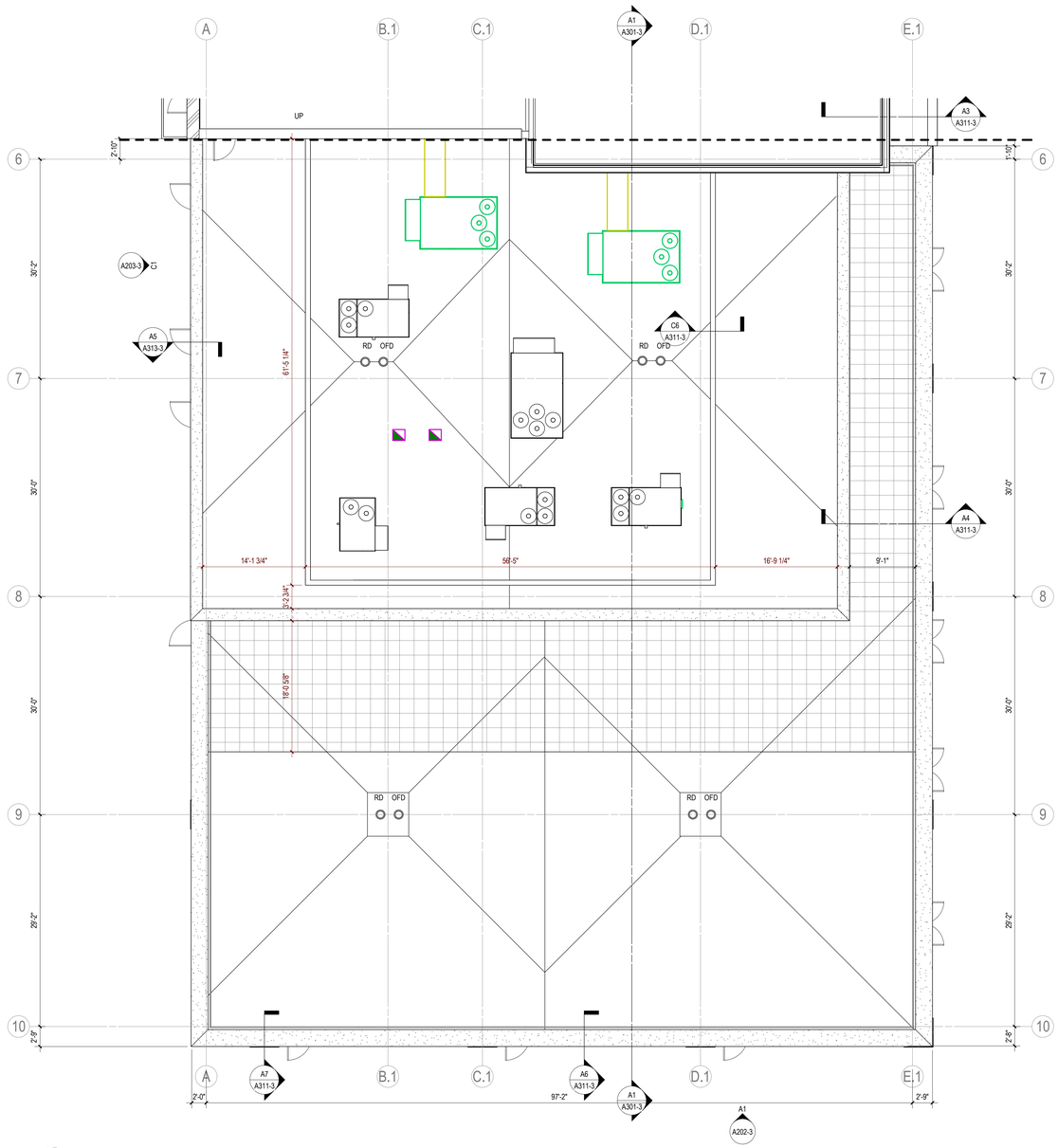
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2ND FLR PLAN - 300 - AREA C

A102C-3

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A1 ROOF PLAN - 300 - AREA B
1/8" = 1'-0"

SHEET NOTES - ROOF PLAN

1.	ALL CONTRACTORS SHALL COORDINATE AND LOCATE ALL ROOF OPENINGS AND PENETRATIONS WITH STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS.
2.	PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURERS STANDARD DETAILS AND REQUIREMENT FOR WARRANTY AND CURRENT NRCA STANDARDS.
3.	PROVIDE TAPERED INSULATION SADDLES AND CRICKETS AT 1/4" PER FOOT AT ALL ROOF TOP EQUIPMENT AND PENETRATIONS TO ENSURE POSITIVE DRAINAGE.

ROOF PLAN LEGEND

RD	ROOF DRAIN
OFD	OVERFLOW DRAIN
DS	DOWNSPOUT
	MEMBRANE ROOF PAVER
X"	INSULATION THICKNESS
←	SLOPE DIRECTION OF ROOF & TAPERED INSULATION

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET

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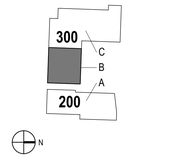
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ROOF PLAN - 300 - AREA B

A104B-3

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SHEET NOTES - ROOF PLAN

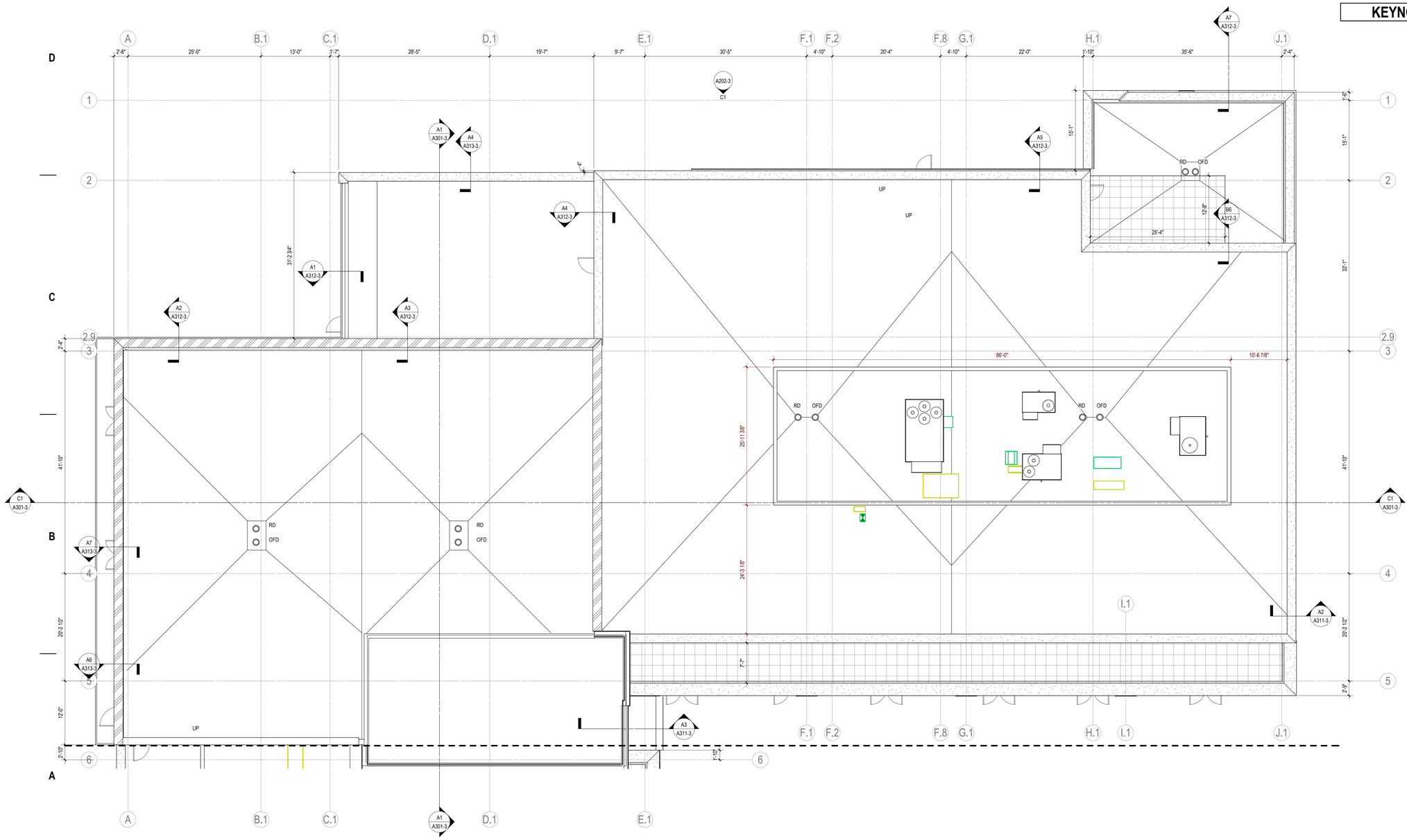
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ROOF PLAN LEGEND

RD	ROOF DRAIN
OFD	OVERFLOW DRAIN
DS	DOWNSPOUT
	MEMBRANE ROOF PAVER
X"	INSULATION THICKNESS
←	SLOPE DIRECTION OF ROOF & TAPERED INSULATION

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET



A1 ROOF PLAN - 300 - AREA C
1/8" = 1'-0"

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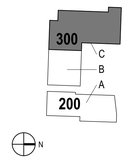
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ROOF PLAN - 300 - AREA C

A104C-3

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BUILDING 300 Perspective Building Elevations



BUILDING 300 North Elevation



BUILDING 300 South Elevation

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BUILDING 300 Perspective Building Elevations



BUILDING 300 East Elevation



BUILDING 300 West Elevation

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BUILDING 300 Materials



Glen-Gery
"Oyster White w/ Speck"

'Saxon' brick (3-5/8" deep, 2-1/4" tall, 15-5/8" wide)

comments: 3/8" mortar joint, stacked bond, soldier stacked bond, additional patterns with recessed coursing



Glen-Gery
"Light Grey w/ Speck"

Modular brick (3-5/8" deep, 2-1/4" tall, 7-5/8" wide)

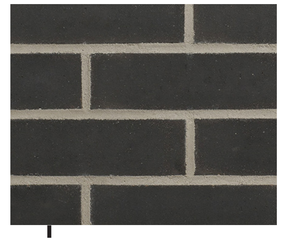
comments: 3/8" mortar joint, stacked bond, soldier stacked bond, additional patterns with recessed coursing



Fairview Architectural Vitrabond
ZCM Zinc Composite Panels

"Charcoal Zinc"(flat finish)

Panel sizes vary. Design includes 1"x 3" Zinc battens projecting at panel joints.



Glen-Gery
"Coal City Black"

Modular brick (3-5/8" deep, 2-1/4" tall, 7-5/8" wide)

comments: 3/8" mortar joint, stacked bond, soldier stacked bond, additional patterns with recessed coursing



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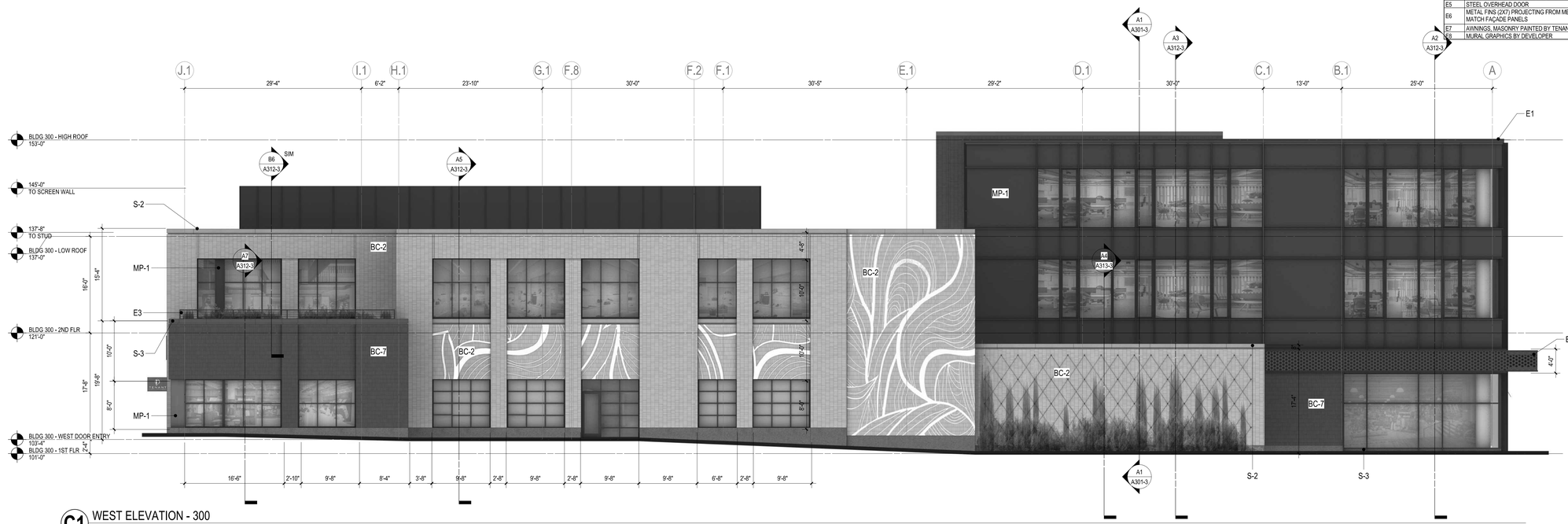
KEYNOTES PER SHEET

SHEET NOTES - EXTERIOR ELEVATIONS

1.	REFER TO BUILDING 200 AND 300 NARRATIVE FOR DETAILED EXPLANATION OF EXTERIOR MATERIALS
2.	PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL PRECAST CONCRETE JOINTS.
3.	ALL INSIDE AND OUTSIDE CORNERS OF PRECAST TRIM TO NOT BE MITERED.
4.	EXTERIOR SIGNAGE ON BUILDING TO BE COORDINATED AND VERIFIED WITH ARCHITECT, OWNER AND SIGNAGE VENDOR.

EXTERIOR MATERIALS

BC-1	MASONRY BRICK
BC-2	MASONRY BRICK
BC-3	MASONRY BRICK
BC-4	MASONRY BRICK
BC-5	MASONRY BRICK
BC-6	MASONRY BRICK
BC-7	MASONRY BRICK
C-1	BOARD FORMED CONCRETE
MC-1	CORRUGATED METAL
MC-2	CORRUGATED METAL
MP-1	METAL PANEL
MP-2	METAL PANEL
MP-3	METAL PANEL
MS-1	METAL PANEL SCREEN
S-1	STONE
S-2	STONE
S-3	STONE
E1	ALUMINUM PARAPET FLASHING
E2	METAL PIPE HANDRAIL
E3	PARAPET-MOUNTED METAL PIPE HANDRAIL
E4	PERFORATED METAL SIGN BAND
E5	STEEL OVERHEAD DOOR
E6	METAL FINS (2X7) PROJECTING FROM METAL FAÇADE. MATERIAL, FINISH TO MATCH FAÇADE PANELS
E7	AWNINGS, MASONRY PAINTED BY TENANT
E8	MURAL GRAPHICS BY DEVELOPER



C1 WEST ELEVATION - 300
1/8" = 1'-0"



A1 EAST ELEVATION - 300
1/8" = 1'-0"

KEY PLAN

PROJECT INFORMATION

Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

EXTERIOR ELEVATIONS - 300

A202-3

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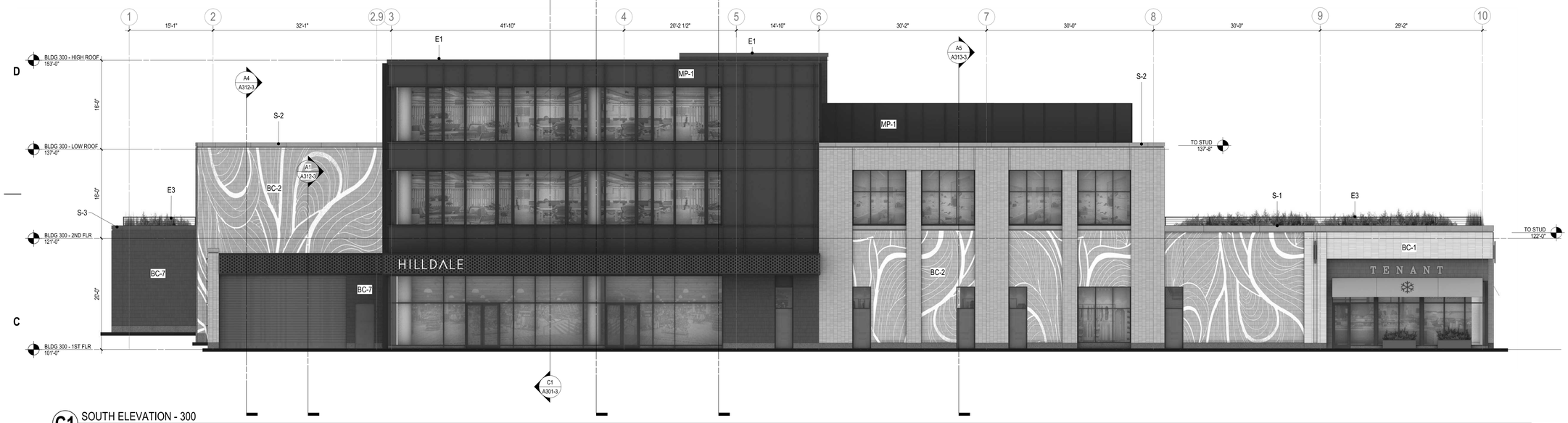
KEYNOTES PER SHEET

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EXTERIOR MATERIALS

BC-1	MASONRY BRICK
BC-2	MASONRY BRICK
BC-3	MASONRY BRICK
BC-4	MASONRY BRICK
BC-5	MASONRY BRICK
BC-6	MASONRY BRICK
BC-7	MASONRY BRICK
C-1	BOARD FORMED CONCRETE
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MC-2	CORRUGATED METAL
MP-1	METAL PANEL
MP-2	METAL PANEL
MP-3	METAL PANEL
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S-1	STONE
S-2	STONE
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E7	AWNINGS, MASONRY PAINTED BY TENANT
E8	MURAL GRAPHICS BY DEVELOPER



C1 SOUTH ELEVATION - 300
1/8" = 1'-0"



A1 NORTH ELEVATION - 300
1/8" = 1'-0"

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PROJECT INFORMATION

Hilldale - Phase 3 - Buildings 200 and 300

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

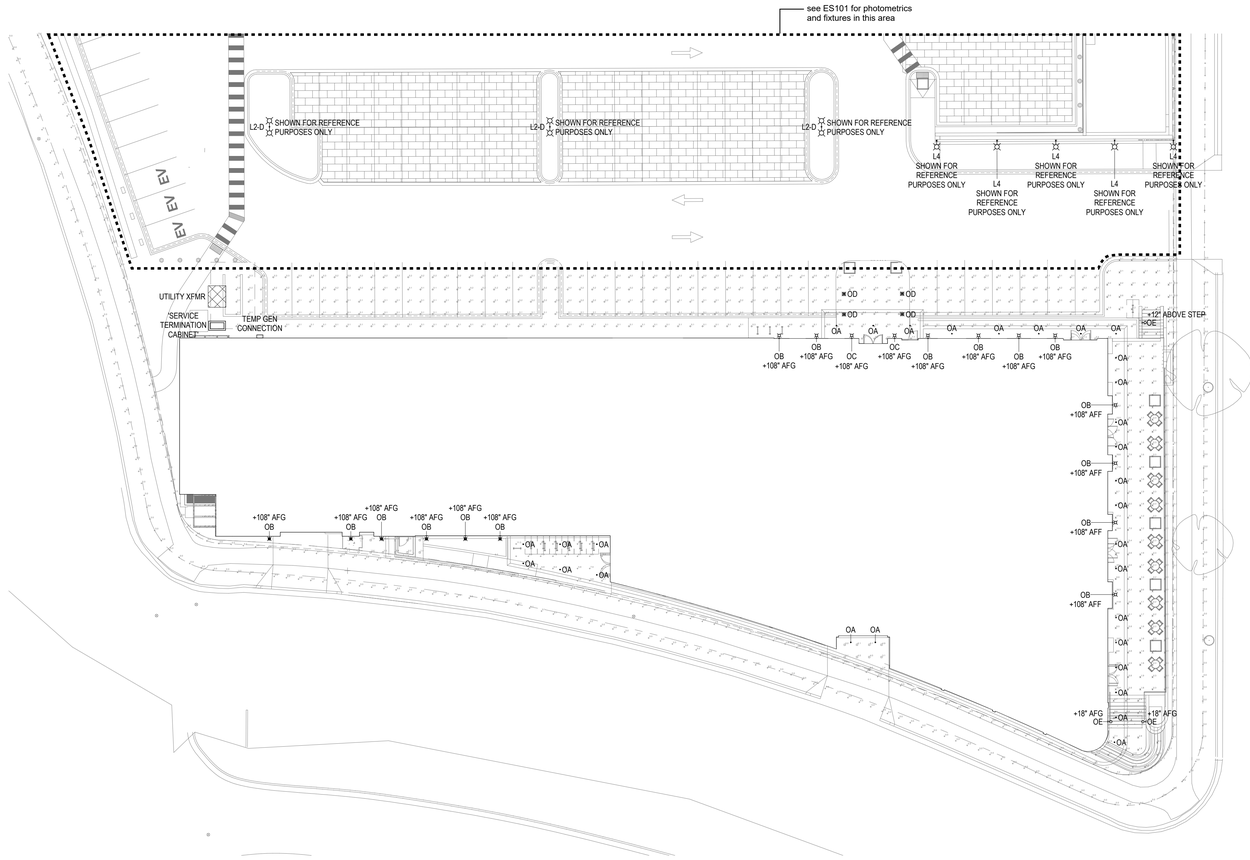
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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

EXTERIOR ELEVATIONS - 300

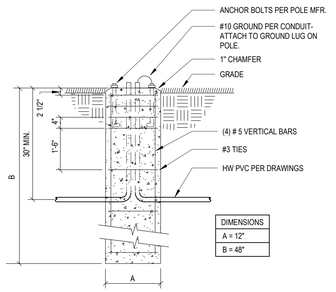
A203-3

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1 ELECTRICAL SITE PLAN - PLAN COMMISSION
1" = 20'-0"

0 20' 40'
1"=20'



A FIXTURE TYPE "OD" BOLLARD BASE DETAIL
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	FIXTURE TYPE	LIGHT SOURCE			DRIVER BALLAST		INPUT WATTS	VOLTS	MOUNTING		CEILING TYPE	FIXTURE DEPTH	SPECIFIED FIXTURE				
			DESCRIPTION	K	CRI	TYPE	NO.			TYPE	HEIGHT			MANUFACTURER	MODEL NO.	OPTIONS	FINISH	REMARKS
0A	4" DOWNLIGHT, EXTERIOR	LED	IN UNIT	2700	+90	0-10V	1	8	120	R		V	6"	JUNO	IC1LED-G4-06LM-27K-90CRI-MVOLT ZT10-17HYP2 WHZBRZ		A/O	
0B	4" WALL SCONCE, EXTERIOR	LED	IN UNIT	3000	+80	0-10V	1	15	120	W	SFP	N	6"	ALCON	11240-1-BKBR		A/O	
0C	WALL SCONCE, EXTERIOR - ENTRANCE	LED	IN UNIT	3000	+80	0-10V	1	10	120	W	SFP	N	6"	EUREKA	PLATE OUT DOUBLE 3450-LED-30-120V-DV-BLKE		A/O	
0D	LIT BOLLARD	LED	IN UNIT	3000	+80	0-10V	1	40	120	S	-	N	40"	HELIO	LBHLO-603-360		A/O	1
0E	RECESSED STAIR FIXTURE	LED	IN UNIT	3000	+80	0-10V	1	4	120	R	SFP	N	3"	BEGA	33053-K3		A/O	

FIXTURE TYPE

ABBR.	DESCRIPTION
F	FLOURESCENT
H	HID
HAL	HALOGEN
I	INCANDESCENT
LED	LIGHT EMITTING DIODE

DRIVER/BALLAST TYPE

ABBR.	DESCRIPTION
0-10V	0-10 VOLT DIMMING
D1	DIMMING 1-100%
D5	DIMMING 5-100%
D10	DIMMING 10-100%
DST	STEP DIMMING 50/100%
ET	ELECTRONIC
M	MAGNETIC
PS	PULSE START
ST	STANDARD
XFMR	TRANSFORMER

MOUNTING TYPE

ABBR.	DESCRIPTION
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
P	PENDANT
R	RECESS
S	SURFACE
W	WALL MOUNTED

CEILING TYPE

ABBR.	DESCRIPTION
DW	DRYWALL
ES	EXPOSED STRUCTURE
LG	LAY-IN GRID
N	NONE
V	VARIES

FINISHES

ABBR.	DESCRIPTION
A/O	COLOR AS SELECTED BY ARCHITECT/OWNER
BA	BRUSH ALUMINUM
BZ	BRONZE
CF	CUSTOM FINISH
SF	STANDARD FINISH
SN	SATIN NICKLE
SS	SEMI-SPECULAR
WH	WHITE

OPTIONS:

1. AIR HANDLING CAPABILITY-RETURN AIR
2. 3" DEEP PARABOLIC LOUVERS
3. 4" DEEP PARABOLIC LOUVERS
4. SEMI-SPECULAR, LOW IRIDESCENT PARABOLIC LOUVERS
5. FURNISH WITH HOLOPHANE 8246 LENS
6. FLAT ALUMINUM DOOR FRAME-MITERED CORNERS
7. REGRESSED ALUMINUM DOOR FRAME
8. FLAT STEEL DOOR FRAME
9. SINGLE GASKETED DOOR FRAME
10. DOUBLE GASKETED DOOR FRAME
11. TRIPLE GASKETED DOOR FRAME, LENS, BODY
12. POST PAINTED FINISH
13. WET LOCATION CONSTRUCTION
14. DAMP LOCATION CONSTRUCTION
15. STAINLESS STEEL TRIM AND DOOR FRAME
16. CLEAR ALZAK REFLECTOR
17. FURNISH WITH DUST COVER
18. FURNISH WITH ANGLED DUST COVER
19. FURNISH WITH LENS AND GASKET
20. FURNISH WITH AUXILIARY QUARTZ RESTRIKE
21. FURNISH WITH SLOPE ADAPTER-VERIFY SCOPE
22. FURNISH WITH AUXILIARY EMERGENCY BATTERY BALLAST
23. FURNISH WITH WIRE GUARD
24. FURNISH CHAIN MOUNTING ACCESSORIES
25. FURNISH WITH RIGID PENDANT SYSTEM
26. FURNISH WITH SWIVEL CANOPY
27. FURNISH WITH SYMMETRICAL REFLECTOR
28. FURNISH WITH ASYMMETRICAL REFLECTOR
29. FURNISH WITH PERFORATED DIFFUSER
30. FURNISH WITH SOLID FRONT
31. FURNISH WITH PHOTO CELL
32. FURNISH WITH DIMMING BALLAST COMPATIBLE WITH DIMMING CONTROL
33. WHITE STRAIGHT BLADE LOUVERS
34. FURNISH TRIM SUITABLE FOR USE WITH NARROW TEE CLG SUSPENSION SYSTEM
35. CUSTOM FINISH-COLOR AS SELECTED BY ARCHITECT/OWNER
36. STANDARD FINISH-COLOR AS SELECTED BY ARCHITECT/OWNER
37. FURNISH WITH RF NOISE SUPPRESSORS (GE# 89G635) FOR EACH BALLAST
38. FURNISH WITH ACRYLIC LENS WITH INTEGRAL RFI SHIELDING
39. FURNISH WITH HOUSE SIDE SHIELD
40. FURNISH WITH UNIVERSAL ARROWS AND GREEN STENCIL FACE
41. FURNISH FOR FIRE RATED CONSTRUCTION
42. FURNISH WITH GLARE SHIELD AND LEXAN PROTECTIVE COVER
43. FURNISH WITH UNIVERSAL ARROWS AND GREEN STENCIL FACE AND BATTERY BACK-UP (NO GENERATOR)
44. FURNISH WITH UNIVERSAL MOUNT
45. FURNISH WITH UV LENS AND SOFTENING LENS
46. FURNISH WITH PRISMATIC LENS
47. FURNISH WITH SPRING LOADED LATCHES
48. FURNISH WITH HINGED DOOR TO COVER INDIRECT AREAS
49. FURNISH WITH TOP AND BOTTOM LENS
50. FURNISH WITH LOUVER
51. FURNISH WITH OPAQUE BACKGROUND
52. FURNISH WITH INTEGRAL ROCKER SWITCH

LIGHT FIXTURE SCHEDULE REMARKS:

1. REFER TO DETAIL A/ES100 FOR BOLLARD BASE DETAIL.

LIGHTING:

NOTE: SHADING ANY OF THE LIGHTING FIXTURE INDICATES UNIT IS WIRED TO AN EMERGENCY OR NIGHT LIGHTING CIRCUIT.

CEILING MOUNTED FIXTURE - SURFACE / RECESSED

1Ra A
- FIXTURE DESIGNATION (SEE SCHEDULE)
- SWITCH LEG. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH AND/OR OCCUPANCY SENSOR
- SWITCHING DEVICE. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH AND/OR OCCUPANCY SENSOR. (R) CIRCUIT SWITCHED VIA RELAY IN RELAY CABINET
- CIRCUIT NUMBER (SEE PANEL BOUNDARIES)

CEILING MOUNTED DOWNLIGHT FIXTURE - SURFACE / RECESSED

CEILING MOUNTED DOWNLIGHT FIXTURE - WALL WASH - SURFACE / RECESSED

POLE MOUNTED FIXTURE

WALL MOUNTED FIXTURE - SURFACE / RECESSED

GROUND MOUNTED FIXTURE - BOLLARD / FLOOD OR ACCENT

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
East Driveway	■	4.0 fc	6.1 fc	1.4 fc	4.4:1	2.9:1
North Sidewalk		1.2 fc	11.4 fc	0.1 fc	114.0:1	12.0:1
Property Line - South/East	+	0.1 fc	0.7 fc	0.0 fc	N/A	N/A
Property Line - South/West	+	0.5 fc	6.4 fc	0.0 fc	N/A	N/A
Property Line Measurement - South/East	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
Property Line Measurement - South/West	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
South Egress Door	■	6.4 fc	26.0 fc	0.2 fc	130.0:1	32.0:1
Terrace	X	4.1 fc	19.2 fc	0.1 fc	192.0:1	41.0:1
Terrace Steps - Lower South	X	1.6 fc	3.9 fc	0.2 fc	19.5:1	8.0:1
Terrace Steps - Upper South	X	6.2 fc	15.2 fc	1.8 fc	8.4:1	3.4:1
Terrace Steps & Walkway - North	X	0.6 fc	8.6 fc	0.0 fc	N/A	N/A
Building Main Egress	+	7.4 fc	11.3 fc	4.6 fc	2.5:1	1.6:1

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rtm engineering consultants
316 N. Milwaukee St. | Suite 580 | Milwaukee, WI 53202
T: 414.273.1432 | www.rtmec.com

PROJECT INFORMATION

HILLDALE PHASE 3 - RESIDENTIAL

401 N SEGOE RD
MADISON, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER MJT

PROJECT NUMBER 19494-01

ELECTRICAL SITE PLAN - PLAN COMMISSION

ES100

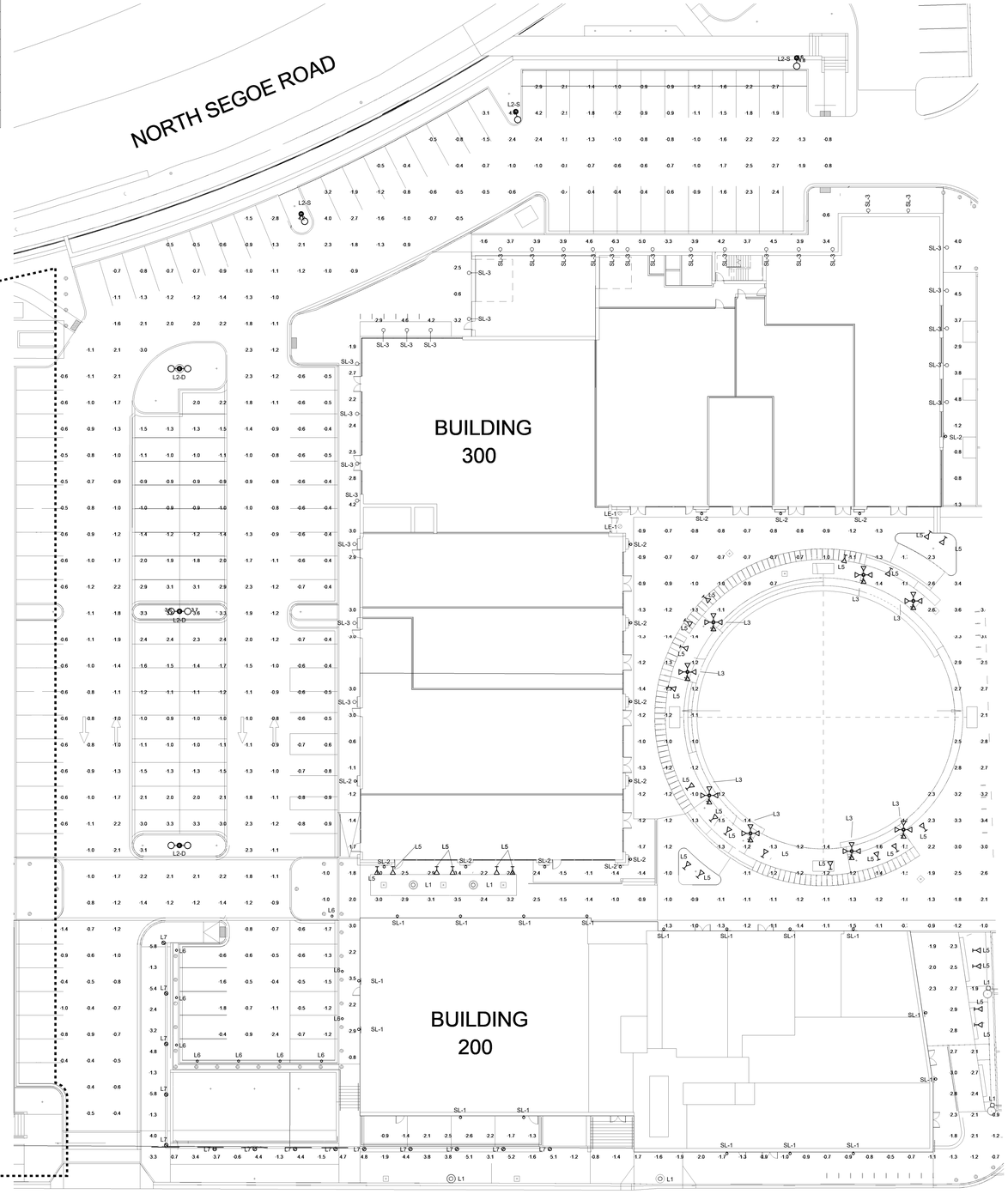
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EXTERIOR LUMINAIRE SCHEDULE

TAG	DESCRIPTION	FIXTURE				FIXTURE	FIXTURE		POLE ASSEMBLY					
		LUMENS	WATTS	LAMP TYPE	DISTRIBUTION	COLOR TEMP	MANUFACTURER	MODEL #	FIXTURES PER POLE	TOTAL WATTS	BASE ABOVE GRADE	POLE HEIGHT	HEIGHT ABOVE GRADE	MANUFACTURER	MODEL #
L1	LED SINGLE HEAD PARKING POLE MOUNTED FIXTURE	7,000	62	LED	TYPE 3	3000	SELUX	SACL-R3-5G700-30K-18-BK-UNV-DS	1	62	0' - 0"	18' - 0"	18' - 0"	SELUX	A35-14-BK-BC5
L2-D	LED DOUBLE HEAD PARKING POLE MOUNTED FIXTURE	15,630	146	LED	TYPE 3	3000	LANDSCAPE FORMS	LE350-T3-HO-CLR-30K-UV1-4B-NMS-BK	2	292	0' - 0"	25' - 0"	25' - 0"	LANDSCAPE FORMS	LE-25-A-NTW-NUT-BK
L2-S	LED SINGLE HEAD PARKING POLE MOUNTED FIXTURE	7,815	73	LED	TYPE 3	3000	LANDSCAPE FORMS	LE350-T3-HO-CLR-30K-UV1-4B-NMS-BK	1	73	0' - 0"	25' - 0"	25' - 0"	LANDSCAPE FORMS	LE-25-A-NTW-NUT-BK
L3	LED SINGLE HEAD PARKING POLE MOUNTED FIXTURE	7,815	14	LED	TYPE 3	3000	SELUX	OLPL-F40-SBX-2G350-30-UNV-DS	4	56	0' - 0"	25' - 0"	25' - 0"	SELUX	
L5	LED TREE UPLIGHT ACCENT FIXTURE	600	9	LED		3000	KICHLER	16020-BKT-30							
L6	LED BOLLARD FIXTURE	424	40	LED		3000	FORMS+SURFACES	HELIO SERIES 600							
L7	LED COMPACT DOWNLIGHT	583	7	LED		3000	BEGA	55842-K3-BK-10043							
LE-1	LED EXTERIOR DOWNLIGHT	600	9	LED		2700	JUNO	IC1LED-G4-06LM-27K-90CRI							
SL-1	LED EXTERIOR SCONCE	1,124	15	LED		3000	EUREKA	3450-LED.HO-30-277V-DV-BLKE							
SL-2	LED EXTERIOR SCONCE	1,124	15	LED		3000	EUREKA	3450							
SL-3	LED EXTERIOR CYLINDER	2,400	30	LED		3000	ALCON	11240-2-BK (NO UP LIGHT)							

SITE ILLUMINANCE RESULTS - 200/300					
Calculation Points Name	Average	Maximum	Minimum	Avg/Min	Max/Min
PARKING LOT	1.2 fc	4.8 fc	0.4 fc	3.5	13.6
BLDG 200 PED N & E WALKWAY	2.4 fc	5.8 fc	0.5 fc	4.4	10.9
BLDG 300/200 PED WALKWAY	2.0 fc	6.3 fc	0.6 fc	3.3	10.7

see ES100 for photometrics and fixtures in this area



PRICE PLACE

1 ES101 SITE PLAN - PHOTOMETRIC - 200/300
SCALE: 1" = 20'-0"

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JDR ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7046
JDR PROJECT NO: 22.0261

PROJECT INFORMATION

HILLDALE PHASE 3

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
5-19-2023	

KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER	JP
PROJECT NUMBER	719494-01

SITE PLAN - PHOTOMETRIC

ES101

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Date: _____ Customer: _____

Project: _____

Type: L1 _____ Qty: _____

selux

Saturn Cutoff LED



Order Code: _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____

Pole Order Code: _____ - _____ - _____ - _____

Series | Height | Finish | Options

SACL	Series	**SACL** Saturn Cutoff LED							
R3	Optics	**R1** Type I	**R2** Type II	**R3** Type III	**R3W** Type III (Wide)	**R4** Type IV	**R5R** Type V (Round)	**R5S** Type V (Square)	**R5Q** Type V (Rectangular)
1	Mounting	**1** Single	**1A** Single Arm Mount	**2** Double	**W** Wall Mount				
5G700	Light Engine	**5G450** 39W/4442lm	**5G700** 62W/6644lm	**5G105** 93W/9241lm					* Based on R1 distribution in 3000K CCT
30K	CCT	**27**[1] 2700K	**30**[1] 3000K	**40** 4000K	VERIFY				[1] IDA Approved * For other CCT please consult factory
18	Power Cord Length	**08** 8 ft	**10** 10 ft	**12** 12 ft	**14** 14ft	**16** 16 ft	**18** 18 ft	**XX** XX	* For 1 mounting use the pole height. For 1A or 2 mounting use the pole height +2
BK	Finish	**WH** White	**BK** Black	**BL** Semi-Matte Black	**BZ** Bronze	**SV** Silver	**SP** Specify Premium Color		
UNV	Voltage	**UNV** 120V- 277V	**120** 120V	**240** 240V	**277** 277V	**347**[2] 347V	**480**[2] 480V		[2] Equipped with step-down transformer
DS	Options	**DM**[4] Dimming (0-10V)	**HS**[3] House Side Shield (180°)	**HL30**[4,5] Hi-Lo Switching Low Output 30%	**HL50**[4,5] Hi-Lo Switching Low Output 50%	**DS** No Uplight Finish	**PCT**[6] Photocell Tenon	**MS**[4,6] Pole Motion Sensor with Optional Photocell (See pagr 3 for order code)	[3] Type I, II, III, and IV only [4] DM, HLXX or MS only. Cannot be combined. [5] 120V, 240V or 277V only [6] PCT or MS only. Cannot be combined.

Product Modifications

Please list modification requirements for review by factory:

Approvals

Date:

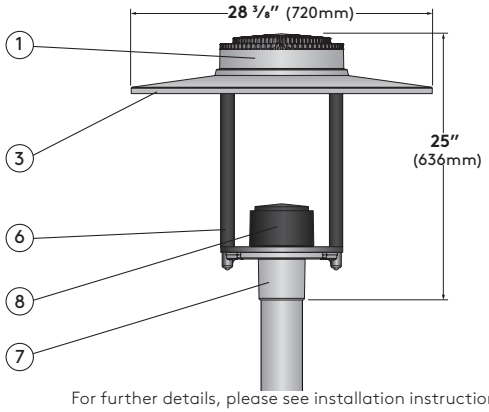
IP65

Selux Corporation © 2022, T 845-834-1400, 800-735-8927, F 845-834-1401, www.selux.us
In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

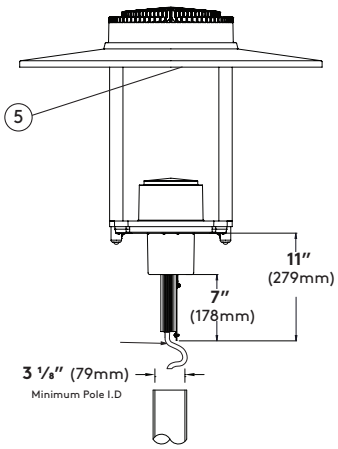
L1

Saturn Cutoff LED

SACL-1-XX-DS



For further details, please see installation instructions.



Specifications

1. Luminaire Cover - Die cast aluminum cover made from low copper alloy, designed to ensure optimal thermal management for extra long life time of LED light engine.

2. Gasketing - (not shown) Continuous gasket provides weatherproofing, dust and insect control at all fixture connections.

3. Luminaire Hood - Aluminum shade with white painted interior.

4. LED Array - (not shown) High flux LEDs mounted to PC boards and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance ¼ step binning for 3000K, and 4000K. CRI minimum 80. Complete light engine can be removed easily for future upgrade. LED light engine provides a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours.

5. LED Optics - Technical Optics (R1, R2, R3, R3W, R4, R5S, R5Q and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III & IV.

6. LED Driver - (not shown) LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66. Driver assembly located inside the head.

7. Hood Supports - Two aluminum arms support shade and optic assembly and attach to the die cast aluminum pole fitter (shown painted matte black for DS option).

8. Pole Fitter - Self-leveling, die-cast low-copper aluminum alloy, fitter base secured to pole with three, stainless steel, Allen head set screws. Fitter for 3 ½" (90mm) O.D. poles.

9. Driver cover - Die cast aluminum cover made from low copper alloy, removes for tool-less access to driver. Driver secured to removable tray for ease of maintenance (shown painted matte black for DS option).

10. Surge Protector - (not shown) Designed to protect luminaire from electrical surge (20kA).

11. Power Cord - (not shown) Pre-installed at factory. Please specify power cord length in accordance to height of the pole. Add 2 feet to power cord length if double mounting (2) is specified.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Saturn Cutoff LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire and LED tested to IP65 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature.

Luminaire suitable for ambient temperature of 45°C. Minimum operating temperature of luminaire at -40°C (-40°F)

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

For Buy American compliance on poles, please consult the factory.

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selux

Mounting

Single (1)
Die-cast aluminum fitter base secured to pole with three stainless steel, Allen head set screws.

EPA = 1.3ft² (0.12m²)
Weight = 39lbs. (17.7kg)

Single Arm Mount (1A)
Die-cast aluminum single luminaire mounting arm secured to pole with four stainless steel, Allen head set screws. Outer slip fitter for 3½" O.D. tenon.

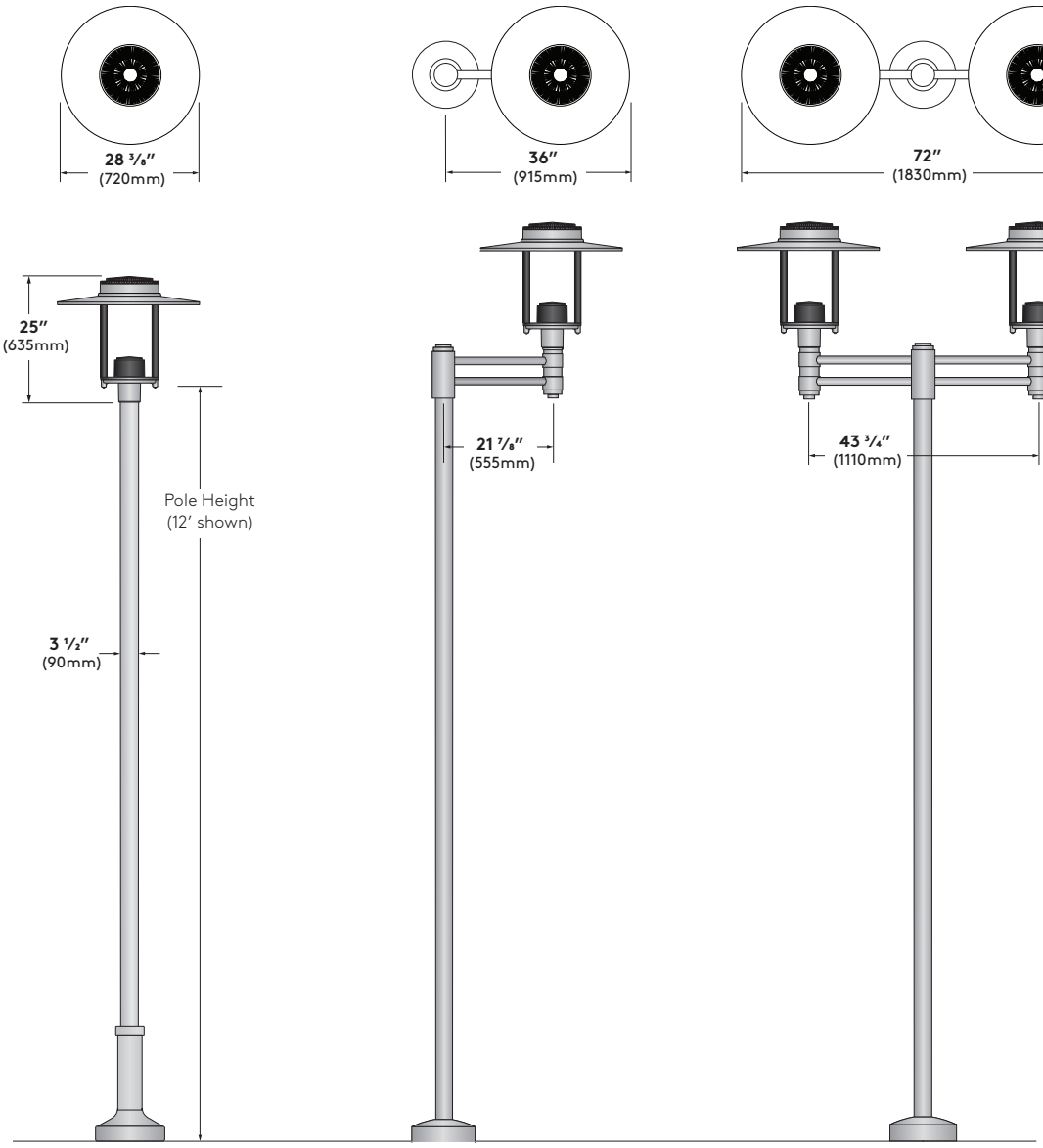
EPA = 2.3ft² (0.21m²)
Weight = 53lbs. (24.0kg)

Double (2)
Die-cast aluminum double luminaire mounting arm secured to pole with four stainless steel, Allen head set screws. Outer slip fitter for 3½" O.D. tenon.

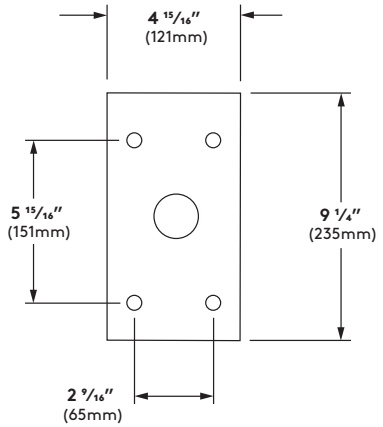
EPA = 4.2ft² (0.39m²)
Weight = 100lbs. (45.3kg)

Wall (W)
Die-cast aluminum double round wall mount arm. Secured to wall with ¼" diameter threaded fasteners (by others).

EPA = 2.1ft² (0.20m²)
Weight = 50lbs. (22.7kg)



Wall Arm Mounting Detail
(Conduit and mounting hardware by others).

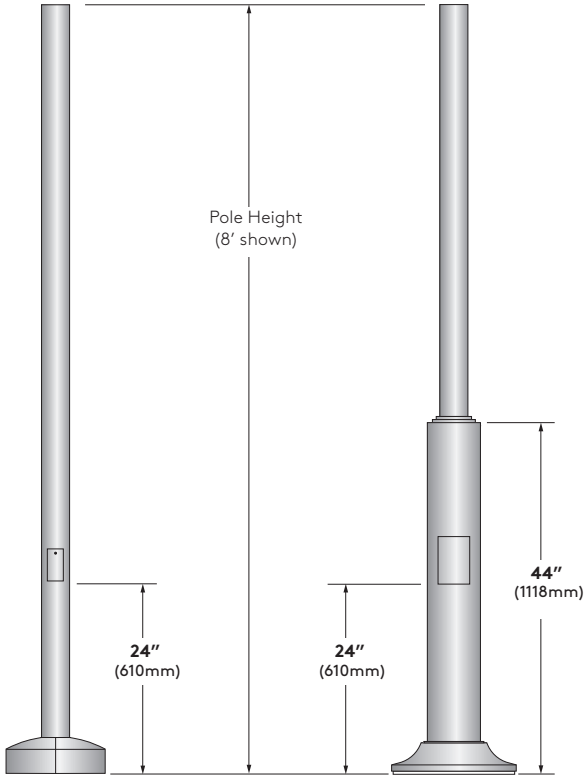


Pole Information

Refer to pole specification sheets for construction details, anchorage information and additional options.

A35 & S35
Round Straight Aluminum
& Round Straight Steel Poles

S635
Round Stepped Steel Poles

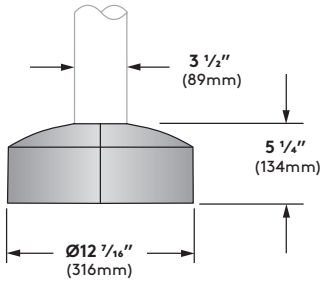


Shown with standard base covers.

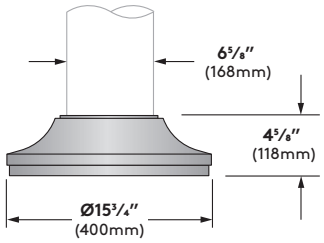
Base Cover Information

Refer to pole specification sheets for construction details, anchorage information and additional options.

Standard Base Cover (BC5)
Supplied with A35 and S35
Two-piece cast aluminum



Standard Base Cover (BC6)
Supplied with S635
One-piece cast aluminum



Pole Data Chart

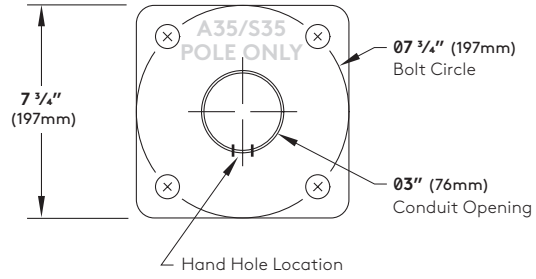
VERIFY

Pole Series	Bolt Circle	EPA Information					Height	Finish	Options
		70mph	80mph	90mph	100mph	110mph			
S635 3 ½" Diameter Stepped Steel Pole	Ø9"	57.6	44.3	34.6	27.5	22.8	**8** 8ft.	**WH** White	**BC5** Standard base cover supplied with A35 and S35 poles.
A35 3 ½" Diameter Straight Aluminum Pole	Ø7 ¾"	16.1	12.2	9.4	7.3	5.9		**BK** Black	**BC6** Standard base cover supplied with S635 poles.
S35 3 ½" Diameter Straight Steel Pole	Ø7 ¾"	14.8	11.3	8.6	6.7	5.4		**BL** Semi-Matte Black	**REC** GFCI Receptacle with weatherproof cover.
S635 3 ½" Diameter Stepped Steel Pole	Ø9"	45.6	35.0	27.3	21.6	17.8	**10** 10 ft.	**BZ** Bronze	**REC2** GFCI Receptacle with padlockable in-use cover.
A35 3 ½" Diameter Straight Aluminum Pole	Ø7 ¾"	12.4	9.3	7.1	5.4	4.3		**SV** Silver	**REC3** USB and Duplex Receptacle with weatherproof cover.
S35 3 ½" Diameter Straight Steel Pole	Ø7 ¾"	11.4	8.6	6.5	4.9	3.9		**SP** Specify Premium Color	**REC4** USB and Duplex Receptacle with weatherproof padlockable in-use cover.
S635 3 ½" Diameter Stepped Steel Pole	Ø9"	37.6	28.7	22.3	17.5	14.4	**12** 12 ft.		**MS** Motion Sensor with Optional Photocell (Meets Title 24 Requirements).
A35 3 ½" Diameter Straight Aluminum Pole	Ø7 ¾"	9.9	7.3	5.4	4.0	3.1			
S35 3 ½" Diameter Straight Steel Pole	Ø7 ¾"	9.1	6.7	4.9	3.6	2.8			
S635 3 ½" Diameter Stepped Steel Pole	Ø9"	31.7	24.2	18.6	14.6	11.9			
A35 3 ½" Diameter Straight Aluminum Pole	Ø7 ¾"	8.0	5.8	4.2	3.0	2.2	**14** 14 ft.		
S35 3 ½" Diameter Straight Steel Pole	Ø7 ¾"	7.3	5.3	3.8	2.7	1.9			
S635 3 ½" Diameter Stepped Steel Pole	Ø9"	21.7	15.8	12.3	9.6	7.6			
A35 3 ½" Diameter Straight Aluminum Pole	Ø7 ¾"	4.9	3.2	2.2	1.4	N/A	**16** 16 ft.		
S35 3 ½" Diameter Straight Steel Pole	Ø7 ¾"	4.4	2.8	1.9	N/A	N/A			

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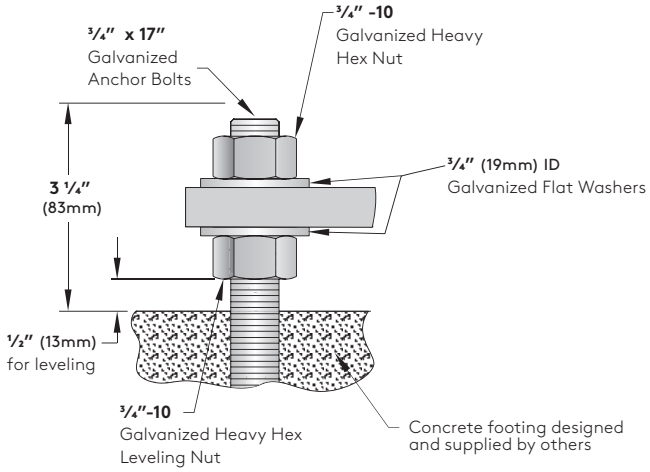
Bolt Circle for A35 & S35

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



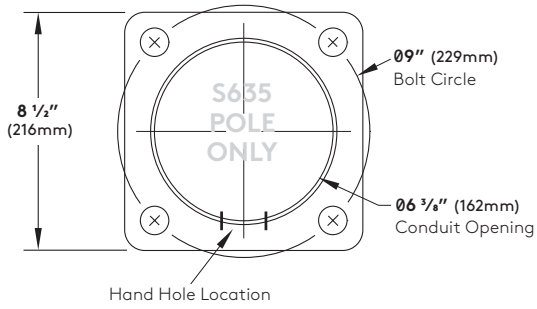
Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for A35 & S35



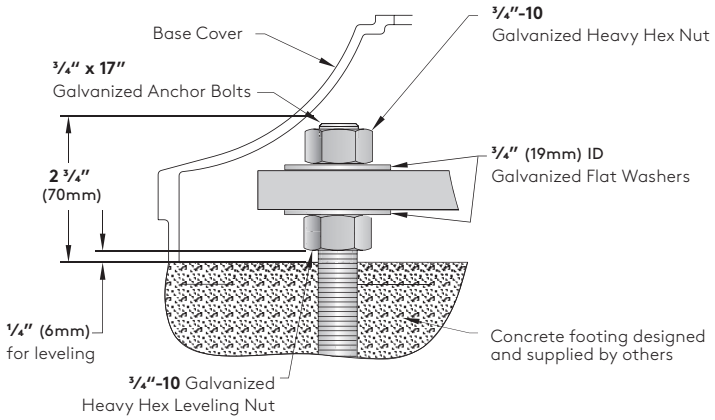
Bolt Circle for S635

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for S635



L1

Saturn Cutoff LED

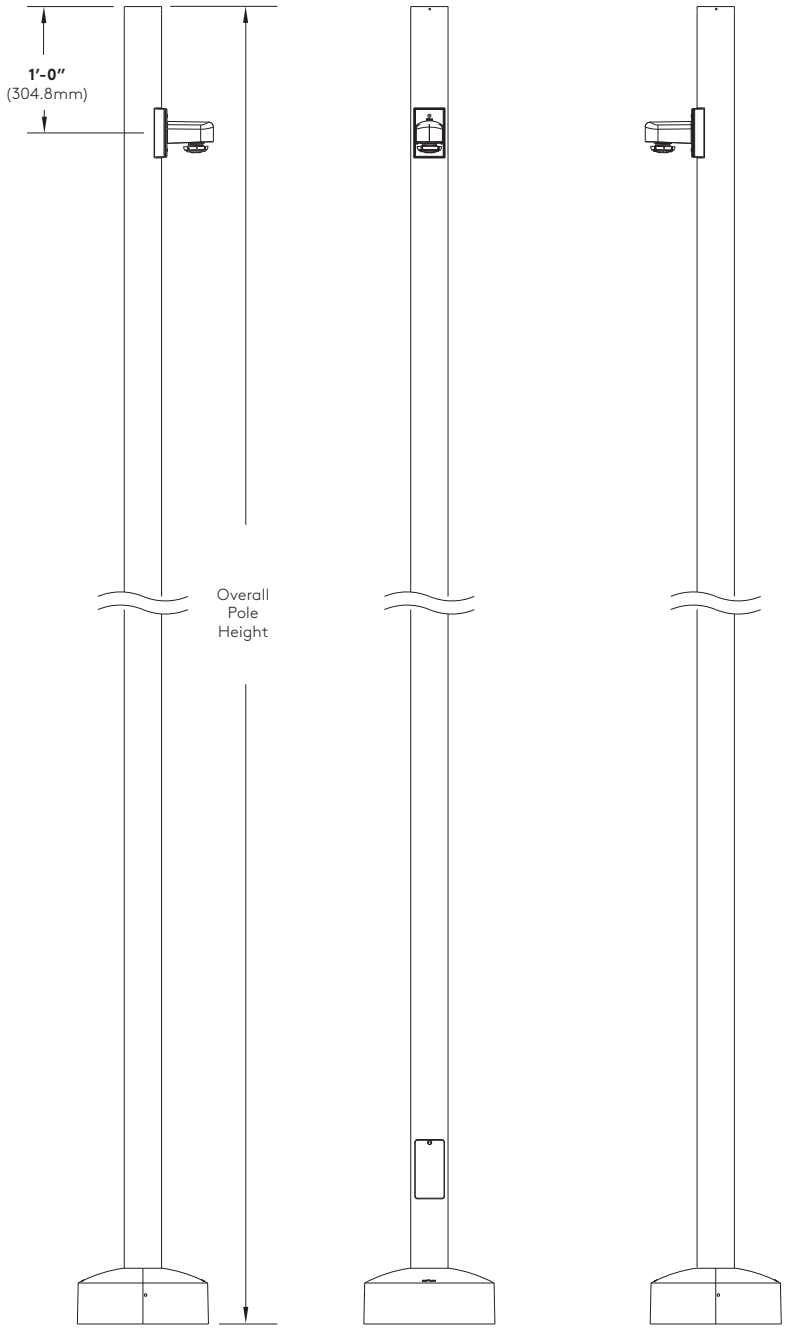
Round Pole Motion Sensor

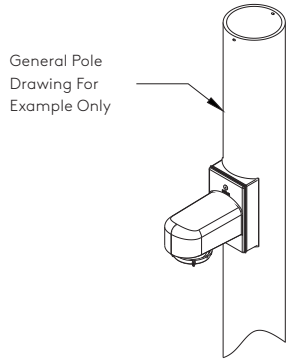
The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

Series	Hand Hole Orientation	Dim Level	Photocell Feature	Voltage
MS Motion Sensor	**00** 0° Clockwise from Hand Hole **09** 90° Clockwise from Hand Hole **18** 180° Clockwise from Hand Hole **27** 270° Clockwise from Hand Hole	**D0** (Off) **D1** (1V=10%) **D3** (3V=30%) **D5** (5V=50%)	**Y** Yes **N** No	**UNV** (100-347VAC single phase or 208/230/480VAC phase-to-phase)

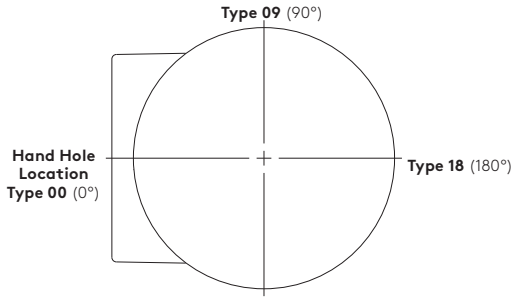
Factory Defaults:

Delay to Dim: 5 minutes
Delay to Off: 1 hour
Sensitivity: Max
Custom Programming: Consult Factory





Sensor angular orientation from hand hole 0°
90° increments clockwise around pole (Type 00, 09, 18, 27)



Top View

Motion Sensor Features

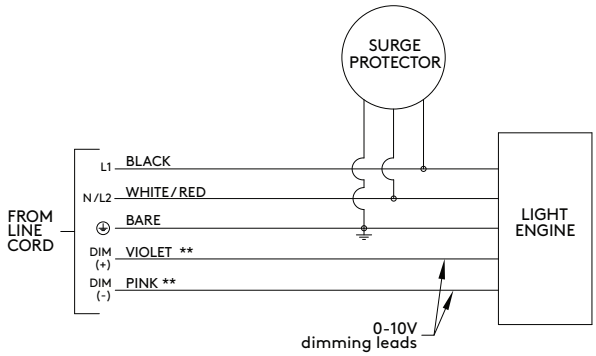
- Customize programming using smartphone application (Refer to the FSP-321 at www.wattstopper.com)
- 5 Year Warranty
- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- IP66 Rated for outdoor applications
- Made for LED light source
- Adjustable time delays, max/min dim levels, and ramp rates
- Suitable for Title 24 applications

(For coverage details refer to wattstopper FSP-321 spec sheet at www.wattstopper.com)

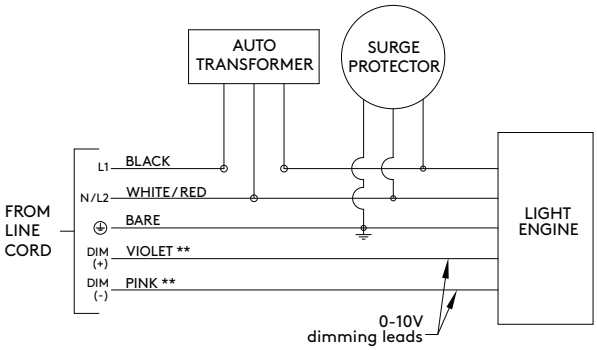
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Wiring Diagrams

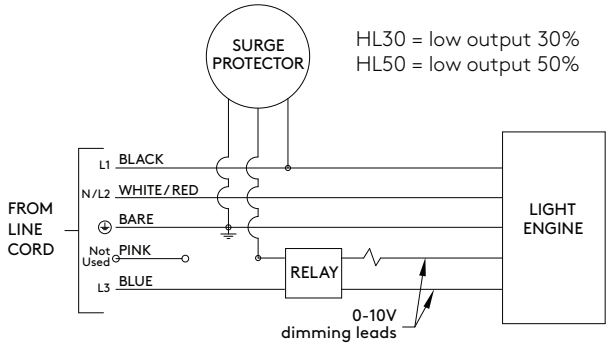
Standard Wiring (120V-277V)
**When dimming is not required cap dimming wires.



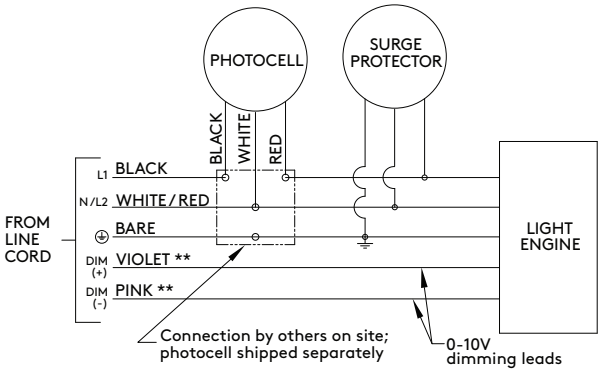
Standard Wiring (347/480V with Step-down Transformer)
**When dimming is not required cap dimming wires.



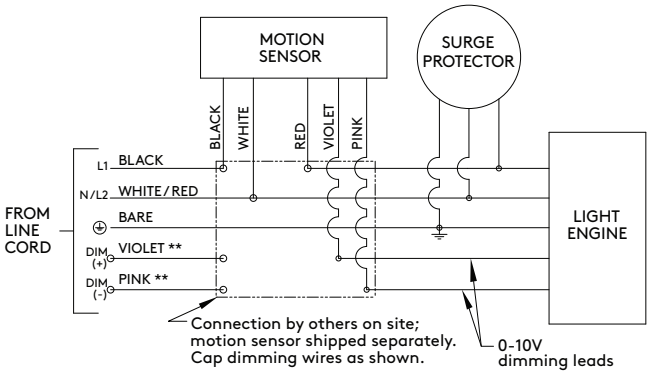
Hi-Lo Switching Option (HL) Wiring HL30 & HL50 Only
120V, 240V, 277V. When blue is energized, light output will be at "Lo" level. Specify low-level by using one of the 2 levels listed below (i.e. HL30 or HL50). For other combinations, consult factory



Photocell Option (PCT) Wiring
**When dimming is not required cap dimming wires.



Motion Sensor Option (MS) Wiring (120-480V)

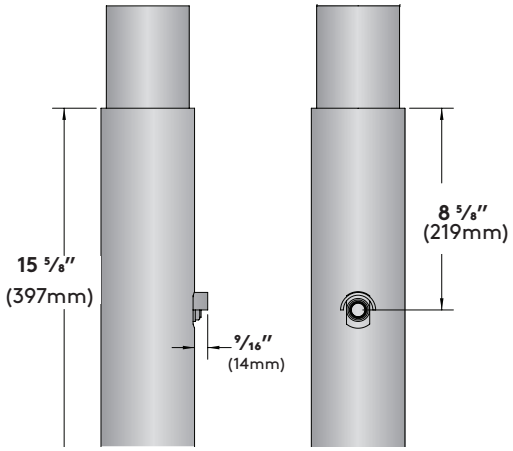


Wire Designation Table		
Source Voltage (VAC)	**Wire Color**	**Wire Designation**
120V, 277V, or 347V	Black	L1
	White	Neutral
208V, 240V, or 480V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (120/277V) or L2 (208/240V)

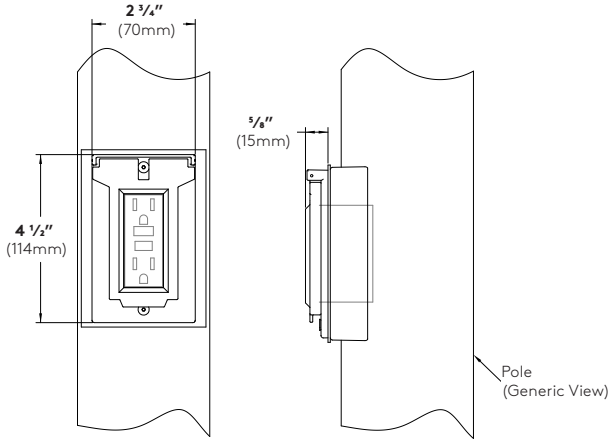
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Optional Accessories

Photo Cell Tenon (PCT) - Button type photocell mounted in cast aluminum pole top tenon. Tenon has integral cast visor to prevent false start/stop cycle and can be oriented for optimum performance. Refer to luminaire spec sheet to determine if this option is applicable.

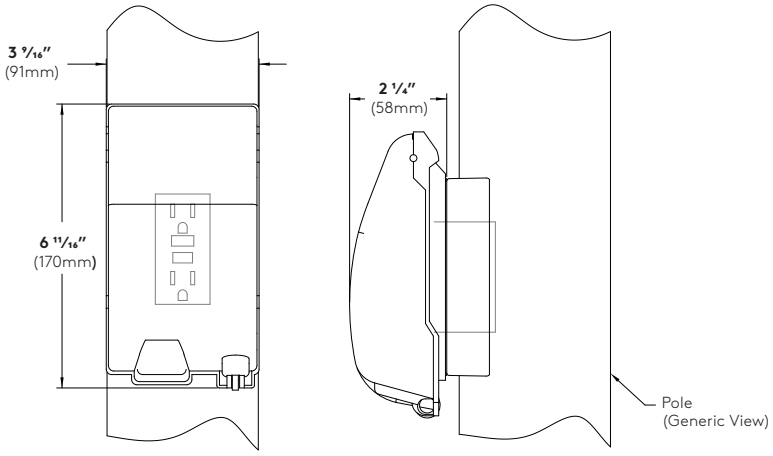


REC and REC3



Cover shown in the closed position

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

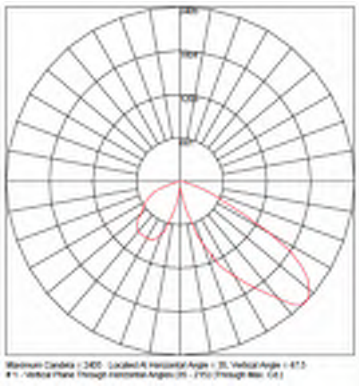
REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

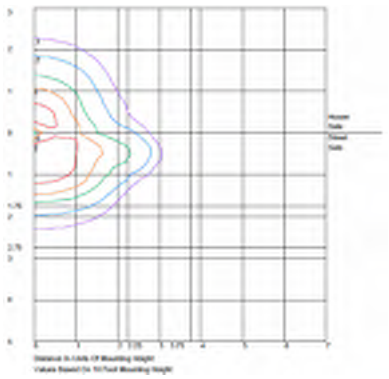
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Photometry

R1 Optics / 39W / 3000K CCT

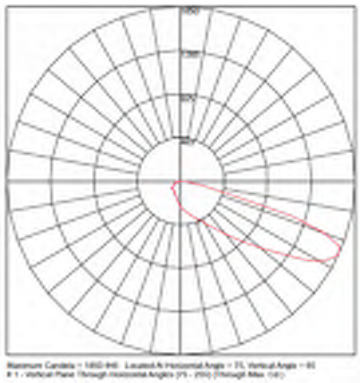
Catalog #: SACL-R1-5G450-30
Delivered Lumens: 4442
Efficacy: 114lm/W
Maximum candela of 2420.7 at 45° from vertical.
IES classification - Type II
Mounting Height = 16'
B1-U0-G1

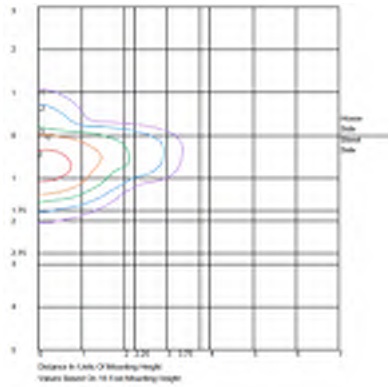




R1 Optics with HS / 39W / 3000K CCT

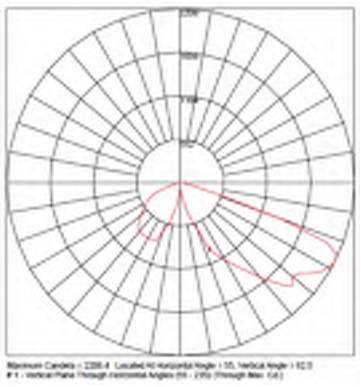
Catalog #: SACL-R1-5G450-30-HS
Delivered Lumens: 2990
Efficacy: 77lm/W
Maximum candela of 2170.5 at 45 ° from vertical.
IES classification - Type II
Mounting Height = 16'
B0-U0-G1

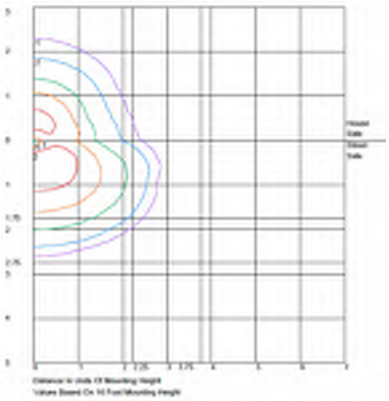




R2 Optics / 39W / 3000K CCT

Catalog #: SACL-R2-5G450-30
Delivered Lumens: 4366
Efficacy: 112lm/W
Maximum candela of 2166.5 at 65° from vertical.
IES classification - Type III
Mounting Height = 16'
B1-U0-G1

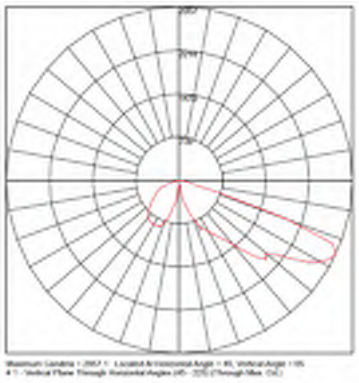


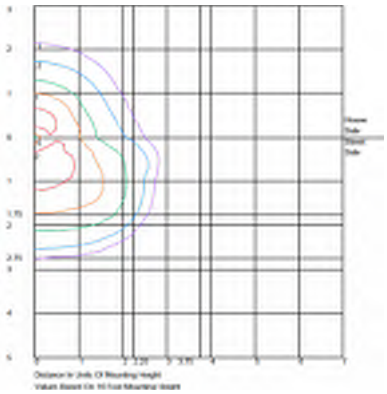


Photometry

R3 Optics / 39W / 3000K CCT

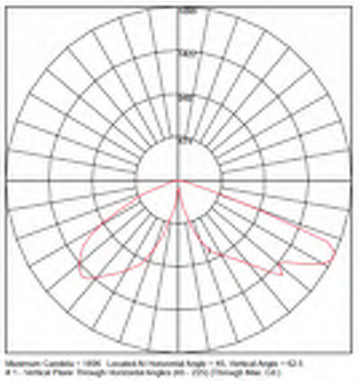
Catalog #: SACL-R3-5G450-30
Delivered Lumens: 4357
Efficacy: 112lm/W
Maximum candela of 2759.1 at 60° from vertical.
IES classification - Type III
Mounting Height = 16'
B1-U0-G1

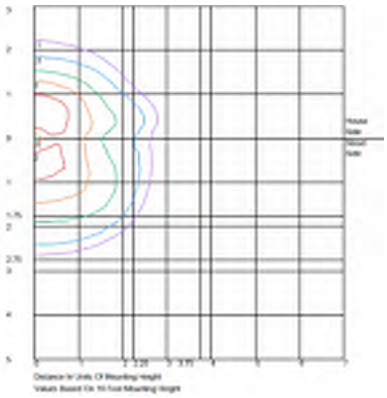




R3W Optics / 39W / 3000K CCT

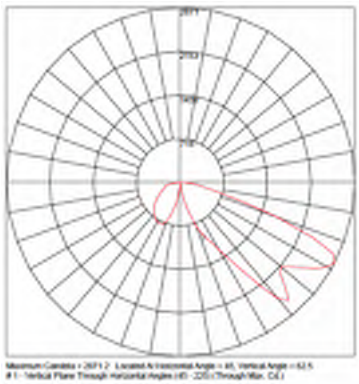
Catalog #: SACL-R3W-5G450-30
Delivered Lumens: 4446
Efficacy: 114lm/W
Maximum candela of 1988 at 67.5° from vertical.
IES classification - Type III
Mounting Height = 16'
B2-U0-G1

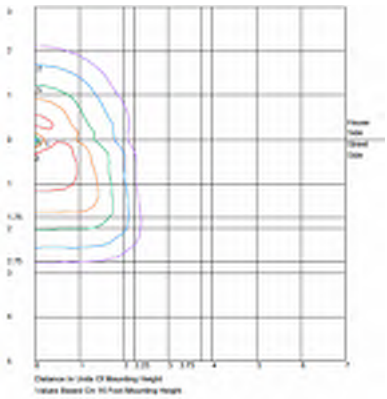




R4 Optics / 39W / 3000K CCT

Catalog #: SACL-R4-5G450-30
Delivered Lumens: 4440
Efficacy: 114lm/W
Maximum candela of 2808.6 at 65° from vertical.
IES classification - Type III
Mounting Height = 16'
B1-U0-G1

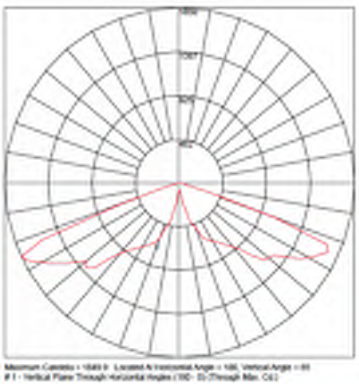


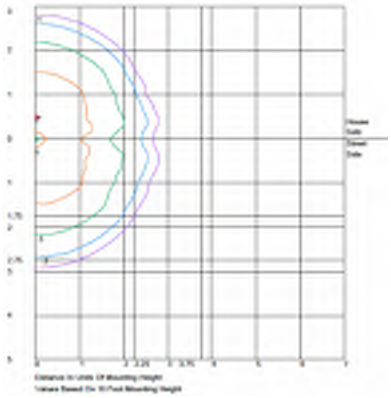


Photometry

R5R Optics / 39W / 3000K CCT

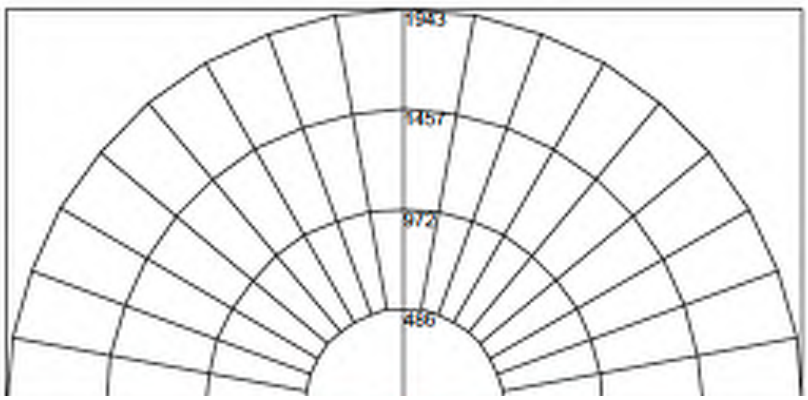
Catalog #: SACL-R5R-5G450-30
Delivered Lumens: 4548
Efficacy: 117lm/W
Maximum candela of 1849.9 at 65° from vertical.
IES classification - N/A
Mounting Height = 16'
B2-U0-G2





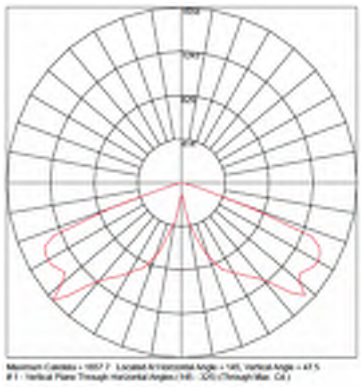
R5S Optics / 39W / 3000K CCT

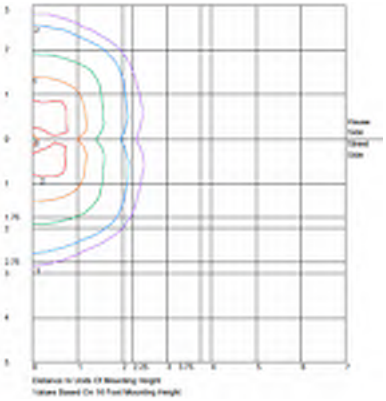
Catalog #: SACL-R5S-5G450-30
Delivered Lumens: 4552
Efficacy: 117lm/W
Maximum candela of 1836.3 at 65° from vertical.
IES classification - Type III
Mounting Height = 16'
B2-U0-G2



R5Q Optics / 39W / 3000K CCT

Catalog #: SACL-R5Q-5G450-30
Delivered Lumens: 4564
Efficacy: 117lm/W
Maximum candela of 1467.6 at 45° from vertical.
IES classification - N/A
Mounting Height = 16'
B2-U0-G2





TM-21 LIFETIME CALCULATION						
Light Engine	Ambient Temp (°C)	Lumen Maintenance (% at hours)				Reported L_{70}
		25k[1]	50k[1]	75k[2]	100k[2]	
LG4500	25°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
LG4150	25°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
LG4150	25°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours

[1] Calculated in accordance with IESNA TM-21-11, projected values are within six times (6x) the IESNA LM-80-08 test duration
[2] Projected values are outside six times (6x) the IESNA LM-80-08 test duration

LEO Area Light

Specification Sheet

Project Name: _____ Job Location: _____

Fixture Type: L2-D Fixture Quantity: _____

Source	LED
Input Voltage	120V-277V
Frequency	50/60Hz
EPA	1.14 ft^2
Weight	40 lbs

LEO is finished with Pangard II®, offered exclusively by Landscape Forms, is a 19 step program of cleaning, priming, and powdercoating that resists rusting, chipping, peeling and fading to produce the finest metal finish available for site furniture and outdoor lighting. In addition, Pangard II® contains no heavy metals and is free of Hazardous Air Pollutants.

LEO Area Light							
_____	**Product**	LE330 (LEO 30 LED Area Light)	LE350 (LEO 50 LED Area Light)				
_____	**Distribution**	T2 (Type II)	T3 (Type III)	T4 (Type IV)			
_____	**Output**	LO (Low Output)	HO (High Output				
_____	**Lens**	CLR (Clear Lens)	FRS (Frosted Lens)				
_____	**Color Temperature**	30K (3000K)	35K (3500K)	40K (4000K)			
_____	**Input Voltage**	UV1 (120V-277V, 50/60Hz)					
_____	**Mounting**	4A (4"Ø Clamp - Single Arm)	4B (4"Ø Clamp - Double Arm)	5A (5"Ø Clamp - Single Arm)	5B (5"Ø Clamp - Double Arm)	6A (6"Ø Clamp - Single Arm)	6B (6"Ø Clamp - Double Arm)
_____	**Photo/Motion Sensor**	NMS (No Motion Sensor)	MS1 (With Motion Sensor)				
_____	**Powdercoat Color** *	BLACK					

Example: LE350 – T3 – HO – *CLR – 30K – UV1 – 6A – MS1 – Powdercoat Color* *

* Click here to view the powdercoat color options.

LEO Aluminum Pole					
_____	**Product**	LE (LEO Area Light)			
_____	**Pole Height**	12 (144 in)	16 (192 in)	20 (240 in)	25 (300 in)
_____	**Configuration**	A (Single / Double) *	S (Staggered) **		
_____	**Twist Lock**	NTW (No Twist Lock)	TW1 (With Twist Lock)		
_____	**Base Option**	NUT (Nut Covers)	CPT (Cover Plate)		
_____	**Powdercoat Color** ***	BLACK			

Example: LE – 25 – S – TW1 – NUT – Powdercoat Color ***

* Single or double luminaires available with this configuration.
** Available with 20 and 25 pole heights.
*** Click here to view the powdercoat color options.

Modifications

Don't see what you are looking for? Our goal is to partner with you as the designer to manufacture solutions needed for the space you are creating. We offer the option to modify our standard product to meet certain design specifications or needs. Common modifications can include GCFI outlets, custom RAL colors, banner arm(s) mounting, and custom pole heights. Contact your local Landscape Forms representative to learn more about these offerings.

Landscape Forms, Inc. | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Notes

_____

_____

_____

_____

Please send completed forms to your Landscape Forms representative or contact us at (800) 430-6209 with any questions.

Landscape Forms, Inc. | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

LEO Area Light

Specification Sheet

Project Name: _____ Job Location: _____

Fixture Type: L2-S Fixture Quantity: _____

Source	LED
Input Voltage	120V-277V
Frequency	50/60Hz
EPA	1.14 ft^2
Weight	40 lbs

LEO is finished with Pangard II®, offered exclusively by Landscape Forms, is a 19 step program of cleaning, priming, and powdercoating that resists rusting, chipping, peeling and fading to produce the finest metal finish available for site furniture and outdoor lighting. In addition, Pangard II® contains no heavy metals and is free of Hazardous Air Pollutants.

LEO Area Light							
_____	**Product**	LE330 (LEO 30 LED Area Light)	LE350 (LEO 50 LED Area Light)				
_____	**Distribution**	T2 (Type II)	T3 (Type III)	T4 (Type IV)			
_____	**Output**	LO (Low Output)	HO (High Output)				
_____	**Lens**	CLR (Clear Lens)	FRS (Frosted Lens)				
_____	**Color Temperature**	30K (3000K)	35K (3500K)	40K (4000K)			
_____	**Input Voltage**	UV1 (120V-277V, 50/60Hz)					
_____	**Mounting**	4A (4"Ø Clamp - Single Arm)	4B (4"Ø Clamp - Double Arm)	5A (5"Ø Clamp - Single Arm)	5B (5"Ø Clamp - Double Arm)	6A (6"Ø Clamp - Single Arm)	6B (6"Ø Clamp - Double Arm)
_____	**Photo/Motion Sensor**	NMS (No Motion Sensor)	MS1 (With Motion Sensor)				
_____	**Powdercoat Color** *	BLACK					

Example: LE350 – T3 – HO – *CLR – 30K – UV1 – 6A – MS1 – Powdercoat Color* *

* Click here to view the powdercoat color options.

LEO Aluminum Pole					
_____	**Product**	LE (LEO Area Light)			
_____	**Pole Height**	12 (144 in)	16 (192 in)	20 (240 in)	25 (300 in)
_____	**Configuration**	A (Single / Double) *	S (Staggered) **		
_____	**Twist Lock**	NTW (No Twist Lock)	TW1 (With Twist Lock)		
_____	**Base Option**	NUT (Nut Covers)	CPT (Cover Plate)		
_____	**Powdercoat Color** ***	BLACK			

Example: LE – 25 – S – TW1 – NUT – Powdercoat Color ***

* Single or double luminaires available with this configuration.
** Available with 20 and 25 pole heights.
*** Click here to view the powdercoat color options.

Modifications

Don't see what you are looking for? Our goal is to partner with you as the designer to manufacture solutions needed for the space you are creating. We offer the option to modify our standard product to meet certain design specifications or needs. Common modifications can include GCFI outlets, custom RAL colors, banner arm(s) mounting, and custom pole heights. Contact your local Landscape Forms representative to learn more about these offerings.

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L2-S

Notes

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Date: _____ Customer: _____

Project: _____

Type: L3 _____ Qty: _____

selux

Olivio Piccolo LED

Sistema 2 Arm Mount



Order Code:

#1	OLPL	-	-	-	-	-	-	-	-
#2	OLPL	-	-	-	-	-	-	-	-
#3	OLPL	-	-	-	-	-	-	-	-
#4	OLPL	-	-	-	-	-	-	-	-
Fixture #	Series	Optics	Mounting	Light Engine	CCT	Finish	Voltage	Options	

Pole Order Code: _____ - _____ - _____ - RN - _____ - __ __ __ __ __ __ __ __ __ __

Series | Height | Finish | Rivnut Pairs | Options | *Rivnut Locations

*Refer to chart on page 5 for Rivnut locations

Fixture # __ __ __ __ __ __ __ __

OLPL	Series	**OLPL** Olivio Piccolo LED						
F40	Optics	**S09** Spot, 11°	**F40** Flood Medium, 45°	**F80** Flood Wide, 74°				
F40	Mounting	**SBx** Specify Arm Locations (x = number of luminaires per pole)						
SBX	Light Engine	**2G175** 7W / 672lm	**2G350** 14W / 1346lm					* Based on S09 distribution and 3000K CCT.
2G350	CCT	**27*** 2700K	**30**[1] 3000K	**35*** 3500K	**40** 4000K	**50*** 5000K		[1] Dark Sky approved with (ds) option only. * Consult factory
30	Finish	**WH** White	**BK** Black	**BL** Semi-Matte Black	**BZ** Bronze	**SV** Silver	**SP** Specify Premium Color	
UNV	Voltage	**UNV** 120-277V	**120** 120V	**208** 208V	**240** 240V	**277** 277V		
DS	Options	**DS**[2] Dark Sky 0° Tilt Option	**SLH** Spread Lens Horizontal (fixed)	**SLV** Spread Lens Vertical (fixed)	**PC** Photocell (consult factory)	**HX**[3] Micro Hexcell Honeycomb Louver	**CF** Color Filter (consult factory)	[2] IDA approved with fixed mount (DS option) only and 3000K CCT. [3] Cannot be combined with SLH or SLV.

Product Modifications

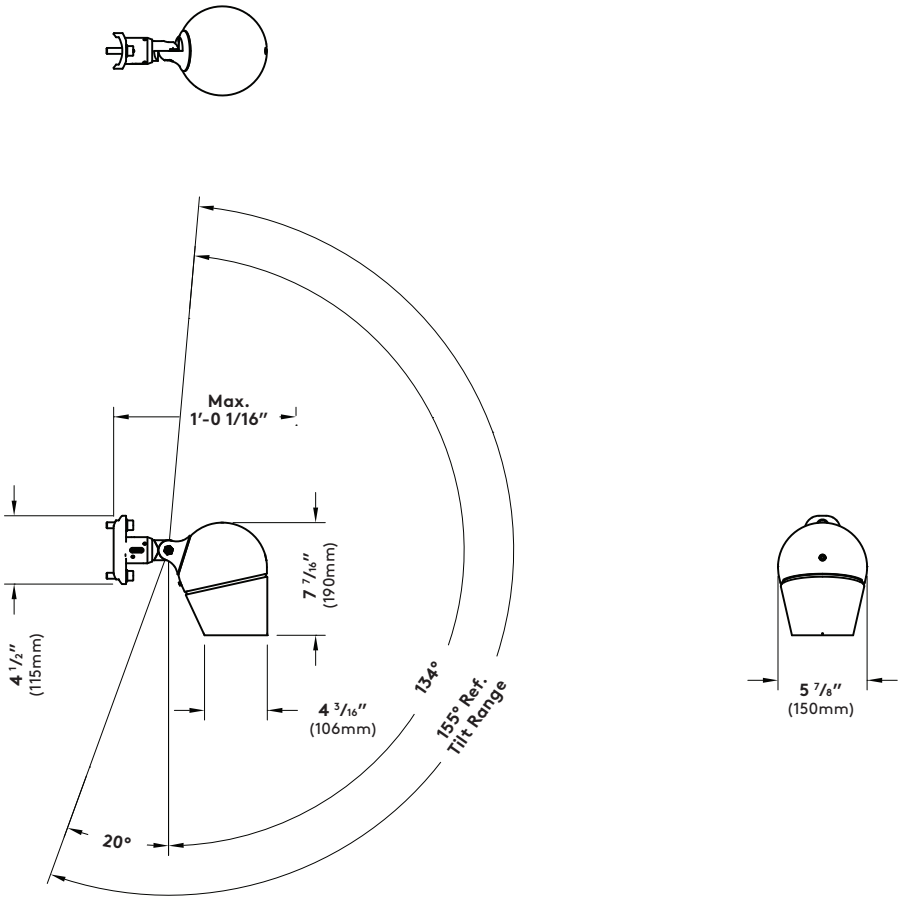
Please list modification requirements for review by factory:

Approvals

Date:

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

OLPL-SB1



Specifications

Luminaire Housing - Two-piece high-pressure die-cast housing, made of low-copper aluminum alloy. Single recessed captive screw allows easy access to light engine & gear tray components.

Gasketing - UV and ozone-resistant, silicone gasket between fixture housing and lens base provide IP67 level ingress protection. IP rated micro-membrane ensures pressure compensation.

Lens - Tempered clear glass lens.

LED Light Engine - Made from high flux COB and vacuum metalized aluminum reflectors. Selux is using brand name LED manufacturers. Available in 3000K and 4000K, CRI minimum 80. Reflectors made from high purity aluminum to ensure high efficiencies throughout lifetime. Complete light engine can be removed easily for future upgrade. LED light engine provides a reported lumen maintenance of 82.69% at 60,000 hours. L70 calculated greater than 60,000 hours.

LED Driver - Selux uses brand name high efficiency LED drivers. LEDs are driven by RoHS compliant high-efficiency driver. Excellent for cold temperature starting and instant on. Min. operating temperature -30°C/ -22°F.

Arm - Cast aluminum mounting arms for flexible pole mounting. Fixture head joint provides tilt-swivel range from 0° to 175°, and 360° rotation. Locks down with set screws.

Rivnuts - (2) Two rivnuts per pole required per Fixture Arm.

Power Cord - Pre-installed at factory and hidden through the luminaire hinge and hinge arm. Power cords are specified to fit the length of the pole specified with the luminaire.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five-stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Bronze (BZ), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Olivio Piccolo LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. Fixture suitable for ambient temperature of 35° C (95° F).

Listings and Ratings: Tested to IESNA LM-79-08 and LM-80 test standards at 25°C ambient temperature. IP67.

OLIVIO LED suitable for ambient temperatures of 35°C (95°F). Minimum operating temperature of luminaire at -30°C (-22°F).

NRTL Listed for wet location (i.e. UL, CSA)

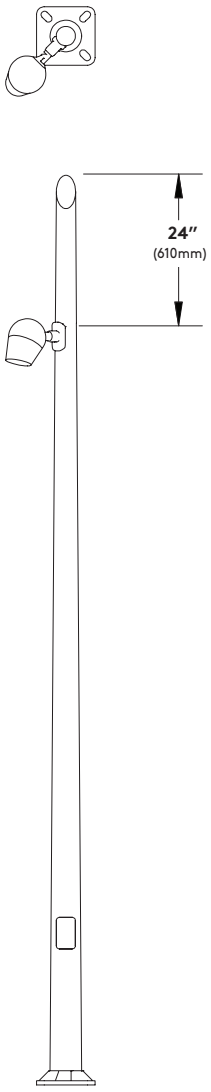
Visit selux.us for our LED End of Life recycling policy.

For Buy American compliance on poles, please consult the factory.

Mounting

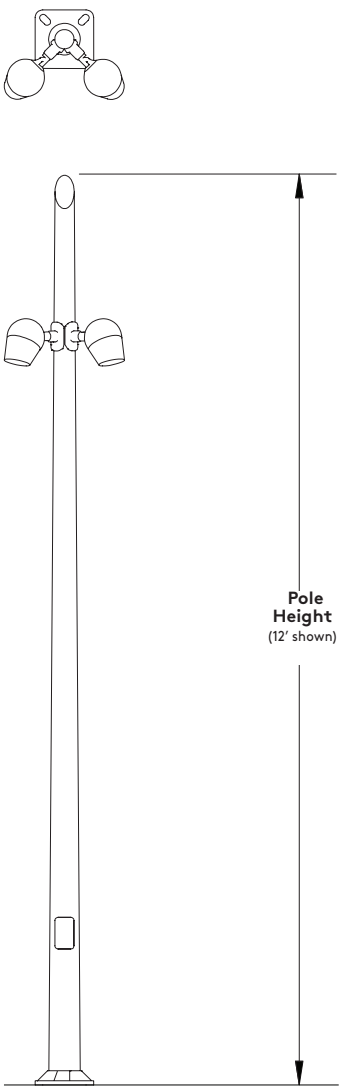
Mounting Details

Single
(Arm Location: 0D)



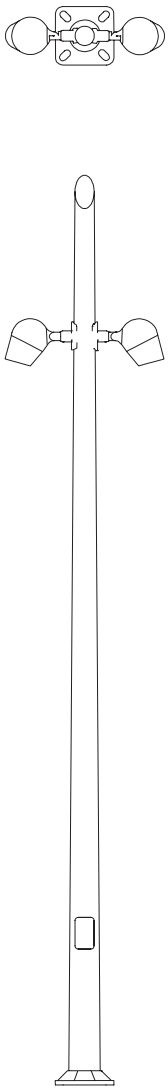
EPA = 0.2 ft² (0.019 m²)
Weight = 8 lbs. (4 kg)
Rivnuts = 1 pair (RN1)

Double at 90°
(Arm Locations: 0D-0V)



EPA = 0.5 ft² (0.050 m²)
Weight = 15 lbs. (7 kg)
Rivnuts = 2 pair (RN2)

Double at 180°
(Arm Locations: 0G-0S)



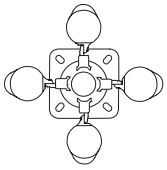
EPA = 0.5 ft² (0.050 m²)
Weight = 15 lbs. (7 kg)
Rivnuts = 2 pair (RN2)

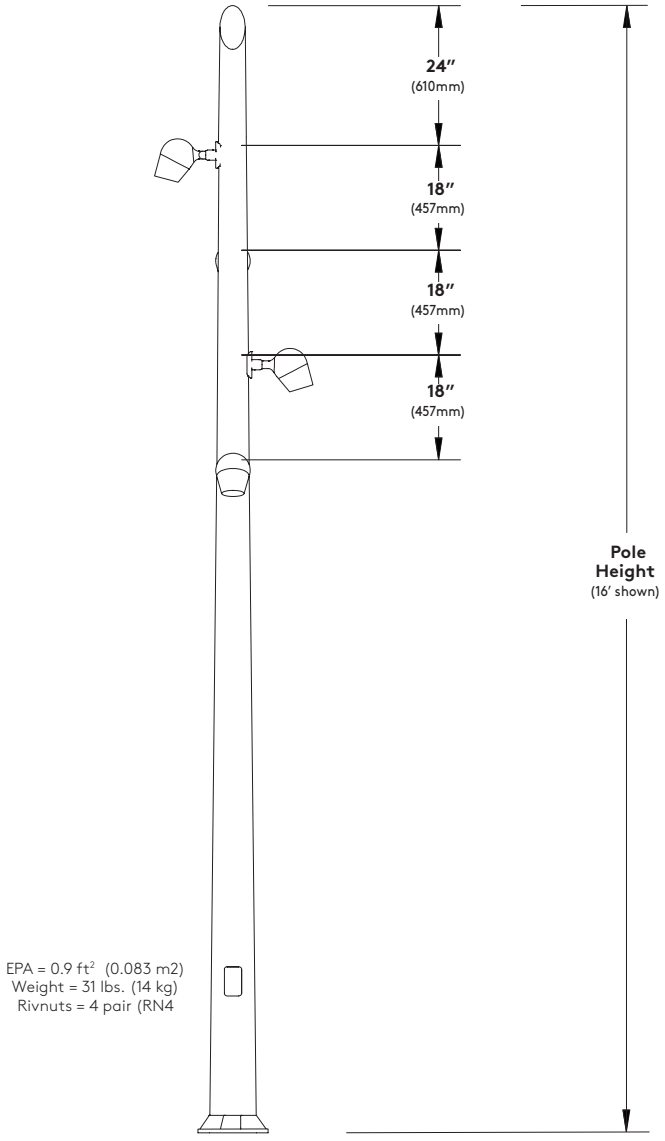
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Mounting

Mounting Details

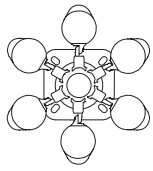
Quadruple Pole Arms
stepped at 90°
(Arm Location: 0G-1M-2S-3A)

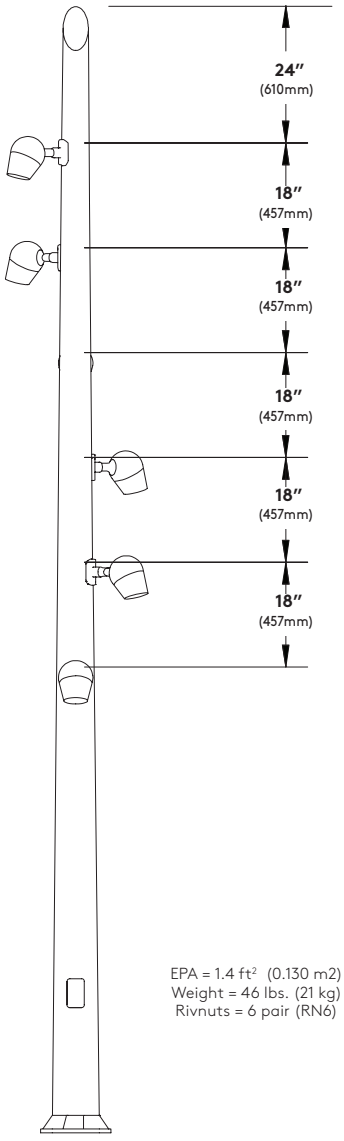




EPA = 0.9 ft² (0.083 m2)
Weight = 31 lbs. (14 kg)
Rivnuts = 4 pair (RN4

Sextuple Pole Arms
stepped at 60°
(Arm Locations: 0E-1I-2M-3Q-4U-5A)





EPA = 1.4 ft² (0.130 m2)
Weight = 46 lbs. (21 kg)
Rivnuts = 6 pair (RN6)

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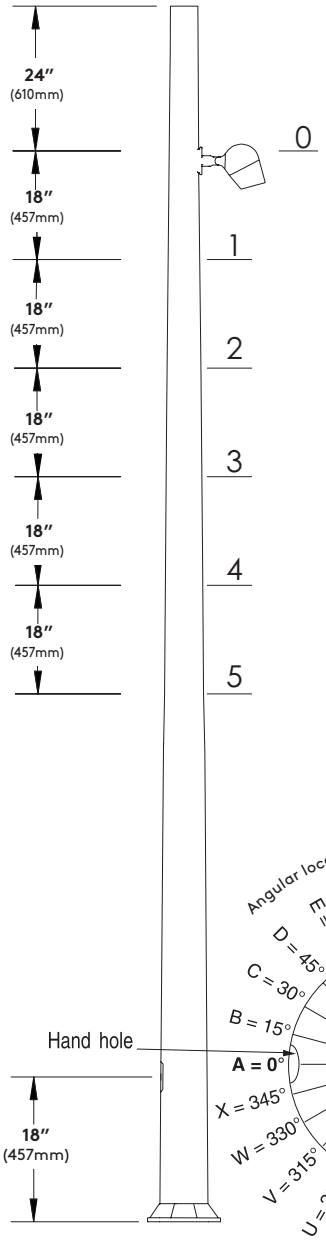
Specify Mounting Configurations

(Luminaire shown for illustrative purposes only - not to scale)

Use checkboxes provided in chart below. Columns #0 through #5 indicate heights starting with 2 feet (610mm) below top of pole and proceeding downwards in increments of 18 inches (457mm). Rows A through X indicate angular placement around pole starting with 0° at handhole and proceeding clockwise.

NOTE: Arms mounted at same height level must be spaced apart at 90° minimum. Arms mounted at adjacent height levels (18" apart) must be spaced apart at 45° minimum

HEIGHT CODE / DISTANCE FROM TOP OF POLE / CLOCKWISE FROM HANDHOLE / ANGULAR LOCATION CODE		0	1	2	3	4	5
		2′	3.5′	5′	6.5′	8′	9.5′
A	0°						
B	15°						
C	30°						
D	45°						
E	60°						
F	75°						
G	90°						
H	105°						
I	120°						
J	135°						
K	150°						
L	165°						
M	180°						
N	195°						
O	210°						
P	225°						
Q	240°						
R	255°						
S	270°						
T	285°						
U	300°						
V	315°						
W	330°						
X	345°						



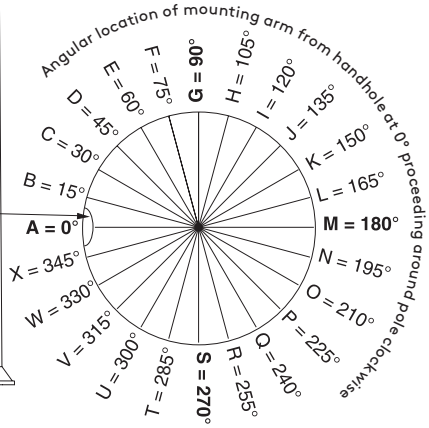
(NOTE: If using Adobe Acrobat to enter data (checks) in chart on right, the following instructions will be carried out automatically)

When specifying non-standard configurations, enter "SB+(total number of arms specified)" on configuration matrix on page 1 in the fixture Mounting field. Example: SB4 (specifying 4 mounting arms)

Build up the Mounting Arm Location Codes from chart on right ("Height Code" +"Angular Location Code") i.e. "4G" = 8 feet from top of pole, 90° clockwise from handhole.

Enter Mounting Arm Location Codes on page 1 in the blanks provided that follow the Pole Option blanks. Example: 3G-3P-4A-5S

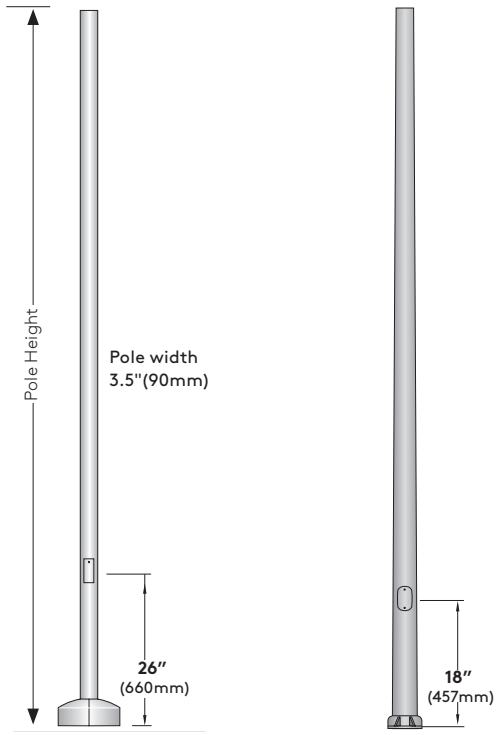
(1) Pair of Rivnuts required per arm.



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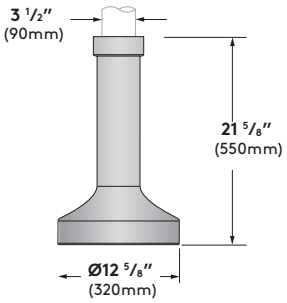
A35 **Tapered Aluminum Pole**



Optional Base Covers

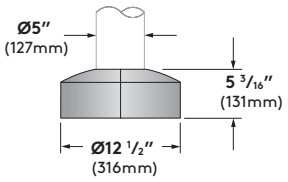
Die cast aluminum, two piece field installable base covers

BC1
Available for:
O-A35-197

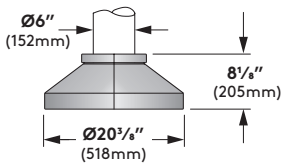


BC3 - Available for:
O-AT535-156

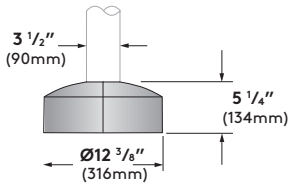
BC3 (AT535)



BC9 - Available for:
O-AT64-156
O-ST5936-11



BC5 - Standard with:
O-A35-197



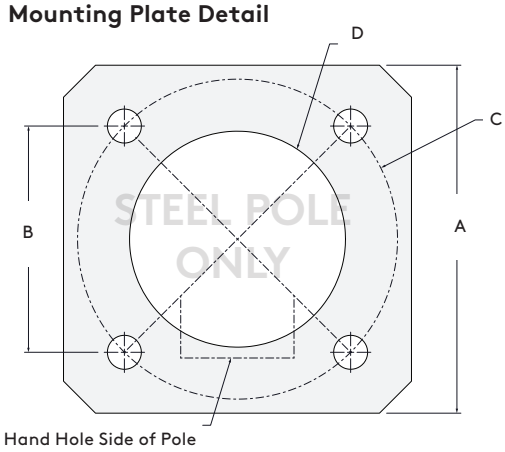
Pole Data Chart

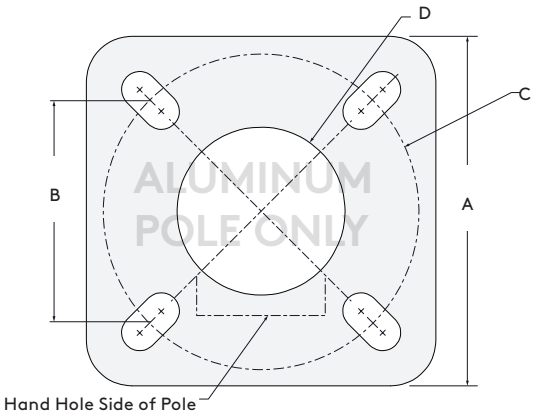
Pole Series	Wall	EPA Information				Height	Finish	Rivnut Pairs	Options
		80mph	90mph	100mph	110mph				
O-A35-197 3.5" Straight Alum Pole	0.197	7.3	5.4	4	3.1	**12** 12 ft.	**WH** White **BK** Black **BZ** Bronze **SV** Silver **SP** Specify Premium Color	**RN1** 1 Pair **RN2** 2 Pair **RN3** 3 Pair **RN4** 4 Pair **RN5** 5 Pair **RN6** 6 Pair **RN7** 7 Pair **RN8** 8 Pair	**BC1** Decorative Cast Aluminum Base Cover (see base cover details for pole compatibility) **BC3** Die-cast, Two-piece Aluminum Base Cover (see base cover details for pole compatibility) **BC5** Two-piece Cast Aluminum Base Cover (see base cover details for pole compatibility) **BC9** Decorative Cast Aluminium Base Cover (see base cover details for pole compatibility) **REC** GFCI Receptacle with weatherproof cover **REC2** GFCI Receptacle with padlockable in-use cover **REC3** USB and Duplex Receptacle with weather proof cover **REC4** USB and Duplex Receptacle with weatherproof padlockable in-use cover **PC** Photocell (please consult factory; must be flat top pole; also specify with luminaire * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	14.4	10.9	8.6	6.9				
O-A35-197 3.5" Round Straight Alum Pole	0.197	5.8	4.2	3.0	2.2	**14** 14 ft.			
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	9.4	7.1	5.5	4.4				
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	7.7	5.6	4.2	3.3	**16** 16 ft.			
O-AT64-156 6"-4" Round Tapered Alum Pole	0.156	14.1	10.8	8.6	7.0				
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	11 ga	19.3	15.1	12.2	10.0				

EPA values are calculated according to AASHTO 1994 with a 1.3 gust factor. Poles are calculated for an even distributed weight load of 200 lbs weight maximum. If the majority of the load is unevenly distributed, please consult factory for project specific EPA calculations
(1) Pair of Rivnuts is required for every mounting arm in pole mount applications.
Rivnut codes are denoted in pairs (1 pair Rivnuts = RN1, 2 pair Rivnuts = RN2, 3 pair Rivnuts = RN3, etc) and must be specified for all pole mount configurations.

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

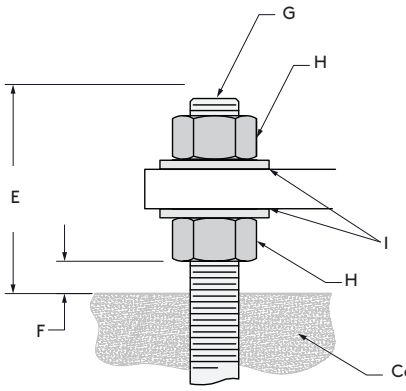
Mounting Plate Detail





Mounting Plate Details	A Base Plate SQ	B Base Plate SQ	C Base Circle Ø	D Conduit Opening Ø
O-A35-197 3.5" Round Straight Alum Pole	8" (203mm)	5 ½" (139mm)	7 ¾" (197mm)	3" (76mm)
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	9 ⅝" (244mm)	6 ⅛" (155mm)	8 ⅝" (219mm)	4 ⅝" (117mm)
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	9 ⅝" (244mm)	6 ⅛" (155mm)	8 ⅝" (219mm)	4 ⅝" (117mm)
O-AT64-156 6"-4" Round Tapered Alum Pole	10 ⁵⁄₁₆" (262mm)	6 ¾" (171mm)	9 ½" (241mm)	5 ½" (140mm)
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	10" (254mm)	6 ⅜" (162mm)	9" (229mm)	5 ⅝" (143mm)

Anchor Bolt Detail



Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimension shown. Concrete footing and feed conduit to be designed and installed by others.

Individual 1:1 scale drawings for installation available, please consult factory.

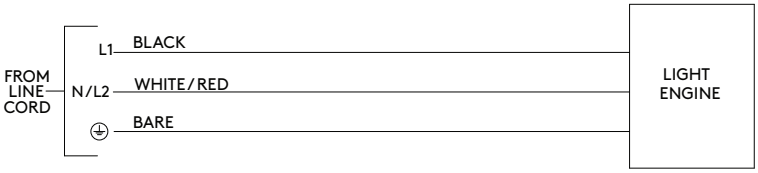
All Hardware is Galvanized

Anchor Bolt Details	E Bolt Projection	F For Leveling	G Anchor Bolt	H Heavy Hex Nut	I Flat Washer
O-A35-197 3.5" Round Straight Alum Pole	3 ¼" (82mm)	½" (13mm)	¾"-10 UNC x 17"	¾"-10 UNC	¾" ID
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	3 ¼" (82mm)	½" (13mm)	¾"-10 UNC x 17"	¾"-10 UNC	¾" ID
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	3 ¼" (82mm)	½" (13mm)	¾"-10 UNC x 17"	¾"-10 UNC	¾" ID
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	4 ⅛" (105mm)	½" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT64-156 6"-4" Round Tapered Alum Pole	3 ½" (89mm)	½" (13mm)	¾"-10 UNC x 17"	¾"-10 UNC	¾" ID

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

Wiring Diagram

Standard Wiring (120V-277V)



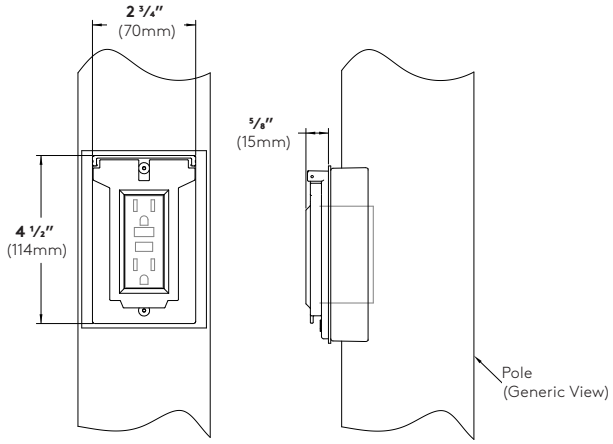
Wire Designation Table		
Source Voltage (VAC)	**Wire Color**	**Wire Designation**
120V or 277V	Black	L1
	White	Neutral
208V or 240V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (120/277V) or L2 (208/240V)

selux

Optional Accessories

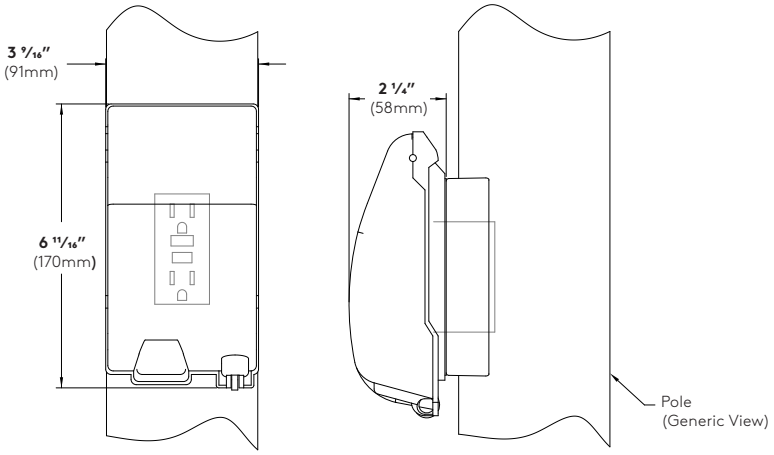
Dark Sky 0° Tilt Option (DS) -Luminaire head tilt angle preset and fixed at factory to comply with IDA Dark Sky and BUG U0 ratings. IDA Dark Sky compliant with 3000K CCT only.

REC and REC3



Cover shown in the closed position

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

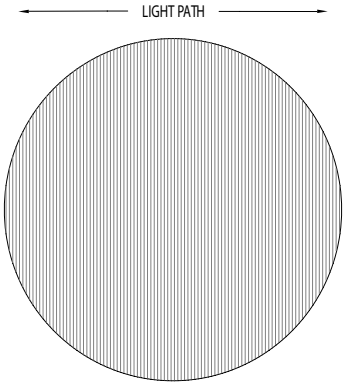
REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

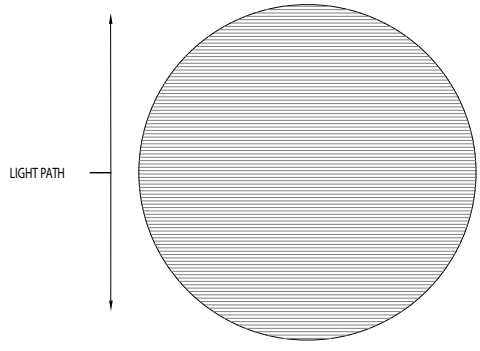
USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Horizontal Spread Lens (SLH) - Spread lens for horizontal light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.



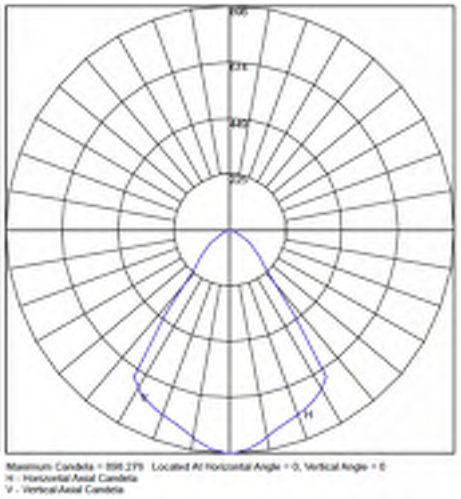
Vertical Spread Lens (SLV) - Spread lens for vertical light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.

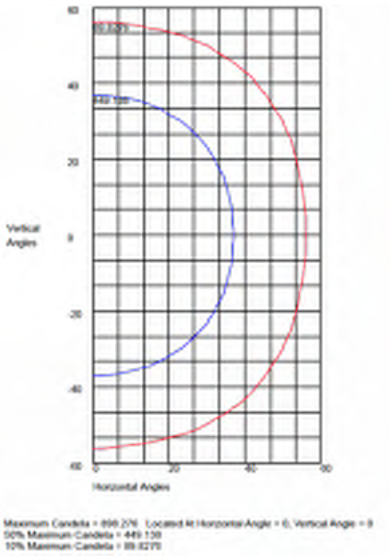


Photometry

F80 / 14W LED / 3000K CCT

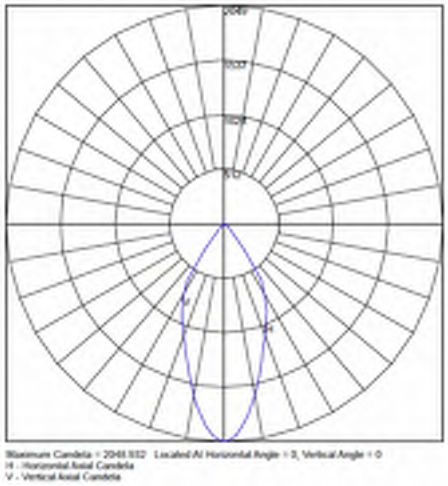
Catalog #: OLPL-F80-X-2G350-30
Delivered Lumens: 1302
Input Watts: 14W
Maximum candela of 898.2
Maximum candela angle: 0H x 0V
NEMA Classification: 6H x 6V
Power Factor: 0.981
Total Harmonic Distortion: 7.99%

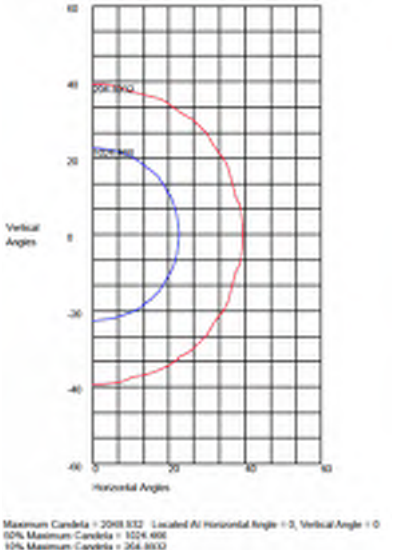




F40 / 14W LED / 3000K CCT

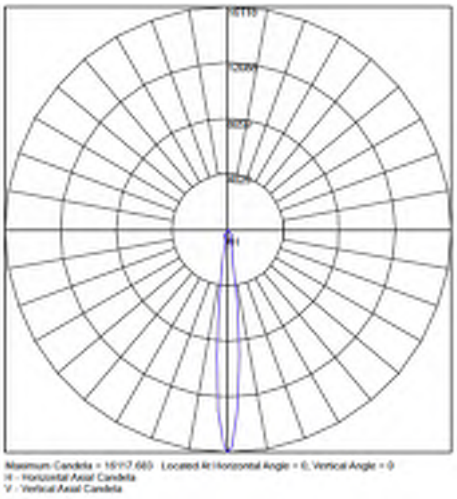
Catalog #: OLPL-F40-X-2G350-30
Delivered Lumens: 1341
Input Watts: 14W
Maximum candela of 2048.9
Maximum candela angle: 0H x 0V
NEMA Classification: 5H x 5V
Power Factor: 0.981
Total Harmonic Distortion: 7.99%

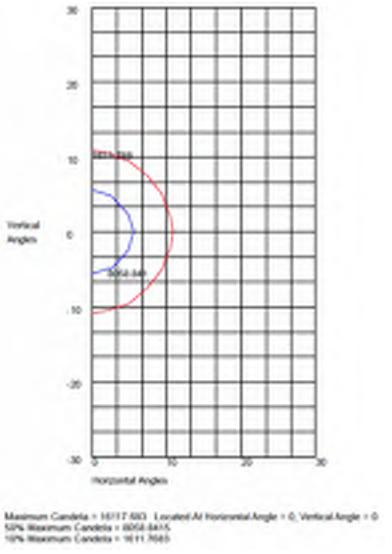




S09 / 14W LED / 3000K CCT

Catalog #: OLPL-S09-X-2G350-30
Delivered Lumens: 1346
Input Watts: 14W
Maximum candela of 16117.7
Maximum candela angle: 0H x 0V
NEMA Classification: 2H x 2V
Power Factor: 0.981
Total Harmonic Distortion: 7.99%









VLO 12V LED Large Accent

L5

16020-BKT-30

One light, three lumen levels.

Our VLO Accent fixture is equipped with the Lumen Effects System, which allows you to easily switch between three lumen outputs: 400, 600, or 835, with the use of the Magnetic Key. Its field configurable design allows for customization based on the needs of the application.

Variable Lumen Output (VLO) Adjustment			Lumens
Level 1*	Flashes one time		400 lm
Level 2	Flashes two times		600 lm
Level 3	Flashes three times		835 lm

Factory setting

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

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

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

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

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

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

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PRODUCT ORDERING GUIDE

Ordering Guide (product number breakdown)	1 Item Number for Fixture & Beam Angle:	2 Product Finish:	3 Color Temperature:
Example: 16018 CBR 30	**16018** = 15° Narrow Spot **16019** = 35° Flood **16020** = 60° Wide Flood 1 6 0 1 8	**AZT** = Textured Architectural Bronze **BKT** = Black **CBR** = Centennial Brass C B R	**27** = 2700K, Warm White **30** = 3000K, Pure White 3 0

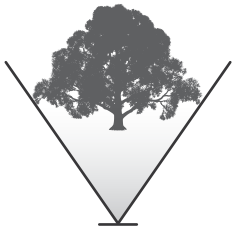
BEAM SPREAD



15°
Narrow Spot



35°
Flood



60°
Wide Flood

PHOTOMETRICS

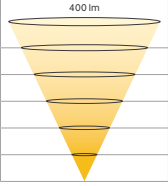
16018AZT27 **16018BKT27** **16018CBR27** 15° Narrow Spot 2700K - Warm White	**16018AZT30** **16018BKT30** **16018CBR30** 15° Narrow Spot 3000K - Pure White	**16019AZT27** **16019BKT27** **16019CBR27** 35° Flood 2700K - Warm White	**16019AZT30** **16019BKT30** **16019CBR30** 35° Flood 3000K - Pure White	**16020AZT27** **16020BKT27** **16020CBR27** 60° Wide Flood 2700K - Warm White	**16020AZT30** **16020BKT30** **16020CBR30** 60° Wide Flood 3000K - Pure White

LEVEL 1 LUMENS

Item	16018 (Low - 400 lm)		16019 (Low - 400 lm)		16020 (Low - 400 lm)	
Beam	15° Narrow Spot		35° Flood		60° Wide Flood	
Candela	Max Candela: 3521		Max Candela: 948		Max Candela: 396	
Distance	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
60'	**0.7**	15.8'	**0.4**	24.5'	**0.2**	49'
48'	**1.1**	12.6'	**0.6**	19.6'	**0.3**	39.2'
36'	**2**	9.5'	**1**	14.7'	**0.5**	29.4'
24'	**4.5**	6.3'	**2.3**	9.8'	**1.1**	19.6'
12'	**17.9**	3.2'	**9.3**	4.9'	**4.3**	9.8'
8'	**40.2**	2.1'	**37.3**	2.5'	**17.1**	4.9'



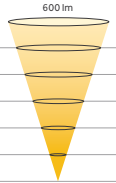


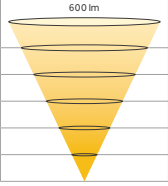


LEVEL 2 LUMENS

Item	16018 (Mid - 600 lm)		16019 (Mid - 600 lm)		16020 (Mid - 600 lm)	
Beam	15° Narrow Spot		35° Flood		60° Wide Flood	
Candela	Max Candela: 4925		Max Candela: 1315		Max Candela: 560	
Distance	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
60'	**1.3**	15.8'	**.7**	24.5'	**0.3**	49'
48'	**2.1**	12.6'	**1**	19.6'	**0.5**	39.2'
36'	**3.7**	9.5'	**1.8**	14.7'	**0.8**	29.4'
24'	**8.3**	6.3'	**4.1**	9.8'	**1.8**	19.6'
12'	**33.2**	3.2'	**16.4**	4.9'	**7.3**	9.8'
8'	**74.7**	2.1'	**65.6**	2.5'	**29.1**	4.9'



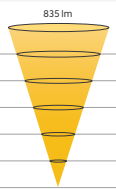


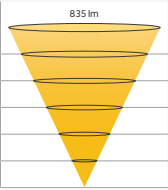


LEVEL 3 LUMENS

Item	16018 (High - 835 lm)		16019 (High - 835 lm)		16020 (High - 835 lm)	
Beam	15° Narrow Spot		35° Flood		60° Wide Flood	
Candela	Max Candela: 6576		Max Candela: 1816		Max Candela: 750	
Distance	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
60'	**1.8**	15.8'	**0.9**	24.5'	**40.8**	49'
48'	**2.8**	12.6'	**1.3**	19.6'	**10.2**	39.2'
36'	**5**	9.5'	**2.4**	14.7'	**2.6**	29.4'
24'	**11.2**	6.3'	**5.4**	9.8'	**1.1**	19.6'
12'	**44.8**	3.2'	**21.5**	4.9'	**0.6**	9.8'
8'	**100.8**	2.1'	**86**	2.5'	**0.4**	4.9'







VLO 12V LED Large Accent

Additional Specs



FINISH OPTIONS

AZT - Textured Architectural Bronze

BKT - Textured Black

CBR - Centennial Brass

PERFORMANCE

Output Position	Level 1	Level 2	Level 3
Lumen Output	400 lm	600 lm	835 lm
Input Voltage	9V-15V	9V-15V	9V-15V
Power (VA) @ 15V AC	8.5VA	12.5VA	17VA
Power (W) @ 15V DC	5.25W	8.5W	12W
Efficacy (lm/W @ DC)	76 lm/W	70 lm/W	69 lm/W
Halogen Equivalents	40W	60W	83.5W

SPECIFICATIONS

Fixture

Light Source	Integrated LED
Number of LEDs	1 High Output COB
Color Temperature	2700K, 3000K
Color Rendering Index	80+
Beam Angles	15°, 35°, 60°
Binning	3 Step

Fixture can be used in up or down position.

Input

Input Voltage Range	9 – 15V AC or DC with no loss in light output
Input Frequency	47 - 63Hz
Input Current	2.55A Max @ 9VAC
Inrush Current	9A Max
Efficiency	> 70L/W @ 12VDC
Power Factor	> 0.7 @ 15V

Environmental

Environmental Protection Rating	Wet, IP66
Operation Ambient Temperature	-25°C - +40°C
Lumen Maintenance (L70)	50K Hours

Mechanical & Housing Specification

Diameter/Height	2.75" W x 6" L x 4.5" H
Housing Material	Cast Aluminum, Cast Brass
Housing Color & Surface	AZT, BKT or CBR
Weight	24 oz (Aluminum), 48 oz (Brass)

Lens Material

Tempered, shock resistance glass with high tolerance for thermal expansion and stress.

Wire

18 AWG, 105°C, 300V 48" of usable #18-2 SPT-1W leads.

Optics

Polycarbonate TIR lens provides superior fixture beam angle. Available in 15°, 35° and 60°.

FIXTURE ATTRIBUTES

Included Accessories

8" Slotted In-ground Stake, 2 Gel-Filled Wire Nuts, Locknut, and Magnetic Key.

Optional Accessories

3" Riser Stem	15509CBR
6" Riser Stem	15645AZT, BKT, 15510CBR
12" Riser Stem	15656AZT, BKT, 15511CBR
18" Riser Stem	15657AZT, BKT, 15512CBR
24" Riser Stem	15658AZT, BKT, 15513CBR
Adjustable Riser Stem	15570AZT, BKT
Stem Coupler	15649AZT, BKT
Mounting Base	15493CBR
Two Fixture “T”	15515CBR
Surface Flange	15601AZT, BKT
Bracket	15607AZT, BKT, 15516CBR
Tree Mount	15609AZT, BKT, CBR
Elbow	15647AZT, 15514CBR
Gutter Mount	15489CBR
Long Cowl	16068CBR
Amber Lens	16072AMB
Green Lens	16072GRN
Hexcell Louver	16075BK
Beam Expander	16091FRO
8" Stake	15575BK
14" Stake	15576BK
Power Post	15276BK

LOAD CHART

Power (VA)	Wire Gauge / Length (ft/m) Load Chart			
	10 AWG	12 AWG	14 AWG	16 AWG
0-20 VA	1860'/567 m	1150'/351 m	730'/223 m	450'/137 m
40 VA	930'/283 m	580'/177 m	370'/113 m	230'/70 m
60 VA	620'/189 m	390'/119 m	240'/73 m	150'/46 m
80 VA	470'/143 m	290'/88 m	180'/55 m	110'/34 m
100 VA	370'/113 m	230'/70 m	140'/43 m	90'/27 m
>100 VA	Consult Technical Support			

VLO 12V LED Large Accent

16018-16020

TROUBLE SHOOTING

Fixture does not illuminate	Verify power connections. Review installation guide for installation problem. Ensure manual reset breaker has not been tripped.
Fixture flashes	Verify load calculations for the installation. Check voltage at affected fixture. Verify you are on 15V output tap.
Fixture turns off	Verify power connections. Review installation guide for installation problems. Ensure manual reset breaker has not been tripped. Check voltage drop at fixture.
Fixture trips breaker	Check installation for a possible short or overload state. Isolate the identified short and replace affected fixture or remove fixture(s) installed in overload.
Fixture returns to original lumen output	The fixture has to be powered on for 2 minutes after final adjust to exit programming mode.

LISTING

UL 1838 Listed. Low Voltage Landscape Lighting Systems.

CSA C22.2#250.7 Listed.

FCC Part 15, subpart B, Class B

WARRANTY

Backed by our 15 year limited warranty.
Visit **Kichler.com/Warranty** for details.

DISCLOSURE

1. Chip binning ranges: (2700K 80+ CRI: 3 step), (3000K 80+ CRI: 3 step). LED chip data measured in accordance to IES LM-80.
2. Fixture has a 90% confidence luminous flux range to stated 3000K CCT target. Photometric (flux and color) data has been measured in accordance to IES LM- 79.
3. Actual efficacy value can be calculated as follows: Lumen value divided by average power consumption.
4. Do not extend beyond the recommended maximum run length.
5. Recommend product be installed with 10 or 12 gauge wire.
6. Recommend 80% load/20% overhead rule for fixture load planning in reference to the power source. Calculating fixture loading this way provides additional resource for fixture adjustment and loss due to voltage drop due to wire run lengths.
7. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.
8. Damage caused by misuse (including use for an unintended application) or improper or incorrect installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions, is not covered by our warranty.

ADVANCED PRODUCT SOLUTIONS (APS) & LAYOUT TEAM

Have installation issues or a product and location inquiry? We have you covered. Our APS team can provide you with technical guidance and professionally designed landscape lighting layouts free of charge.

Visit **Kichler.com/APS**, reach out to us at **layouts@kichler.com**, or by phone Monday - Friday, 8:00 am to 6:30 pm EST, at **844-KICHLER (844-542-4537)** to get started.

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HELIO™ BOLLARD, SERIES 600

PRODUCT DATA



HELIO™ BOLLARD, SERIES 600

PRODUCT DATA

Helio Bollards, Series 600 bring an elegant simplicity to public spaces of all kinds. Constructed of stainless steel, fixtures 6" in diameter are available in illuminated and non-illuminated variations with or without a security core option. Illuminated bollards feature a frosted acrylic lens, 180˚ or 360˚ light distribution, and Cree® LEDs in 3000K warm white and 4000K neutral white. Helio Bollards with 3000K LEDs are approved by the International Dark-Sky Association to minimize light pollution. For expanded performance, the Helio family also includes Helio M40/K8 and M50/K12 Security Bollards 11.5" in diameter (Series 1200) and Helio M30/K4 Security Bollards 9.25" in diameter (Series 900), all in illuminated and non-illuminated designs.

MATERIAL & CONSTRUCTION DETAILS

CONFIGURATIONS

- Series 600 Helio Bollards are 40" high x 6" in diameter.
- Illuminated bollards are available with 180° and 360° light distribution options.
- Non-illuminated versions are also available.
- Series 600 Helio Bollards are available with an optional S10-P1 rated security core (illuminated or non-illuminated).

MATERIALS & FINISHES

- Illuminated bollards have a tubular stainless steel column, frosted acrylic lens, and a stainless steel head cap.
- Non-Illuminated bollards are tubular stainless steel with welded stainless steel cap.
- Stainless steel is standardwith a Satin finish and Ceramiloc treatment. See below for details.
- For optional powdercoat colors see the Forms+Surfaces Powdercoat Chart. Custom RAL colors are available for an upcharge.

LED LAMPS & DRIVER

- Custom LED light engine with Cree® LEDs.
- 3000K warm white and 4000K neutural white color temperatures.
- 424 lumen output.
- Less than 5% upward lumen output.
- LED driver input voltage is 120-277VAC, -30˚C minimum starting temperature.
- Driver has reverse-phase, forward-phase, and 0-10V dimming capabilities.
- LED driver certifications include: IP66 (waterproof) enclosure, and Class 2 rated output (UL8750).

INSTALLATION

- Standard mounting is surface mount.
- Security bollards have an embedded security core.
- Installation of a surge protector as part of each unit's wiring is recommended.
- Stainless steel mounting hardware sold separately. Templates are available upon request.

MAINTENANCE

- Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners.

CERAMILOC TREATMENT

Ceramiloc is an invisible surface treatment that offers significantly enhanced protection from weather and graffiti and increases the maintenance ease of stainless steel. Ceramiloc combines ceramic durability with an unparalleled ability to lock out water spots, fingerprints, graffiti and more. Patented technology bonds nano-silica particles to the surface of the stainless steel. The treatment minimally alters the surface appearance of the stainless and offers numerous benefits:

- Easily Cleaned: The Ceramiloc treatment creates a surface that simultaneously resists fingerprints and is easy to clean. Water spots, grease marks and more can be quickly wiped away. It also creates an “anti-graffiti” surface – even permanent marker is easily removed with a clean microfiber towel and water.
- Durable: Ceramiloc-treated materials are corrosion- abrasion- and scratch-resistant. The treatment is permanent, UV stable, and will not degrade or discolor over time. Salt spray testing per ASTM B117 showed no change after 240 hours.
- Environmentally Sound: The Ceramiloc treatment is a no-VOC, water-based process. Because Ceramiloc surfaces are so easily maintained, cleaning solutions and maintenance are kept to a minimum.

LIGHT ENGINE DESCRIPTIONS

LED ENGINE	LIGHT DISTRIBUTION	DRIVER	LUMINAIRE LUMENS*	B.U.G. RATINGS
3000K LED	360°	40W	424	B0-U1-G0
4000K LED	360°	40W	424	B0-U1-G0
3000K LED	180°	20W	158	B0-U1-G0
4000K LED	180°	20W	158	B0-U1-G0

*Luminaire lumens represents the absolute photometry for the luminaire, and indicates the lumens out of the entire fixture.

NOTE: Polar candela and isofootcandle plots can be found on the Helio Bollard, Series 600 product page on our website.

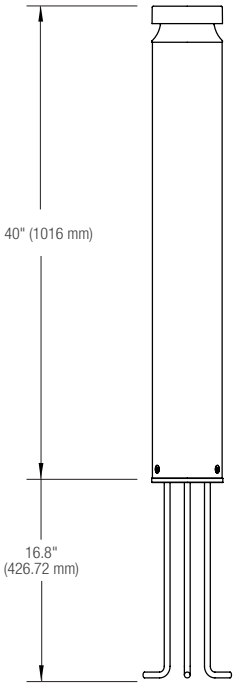
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HELIO™ BOLLARD, SERIES 600

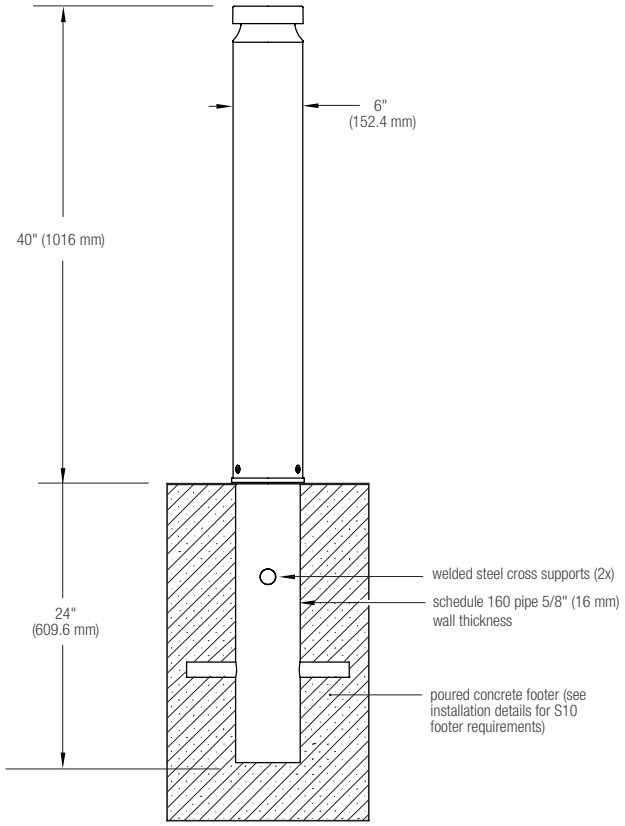
ILLUMINATED BOLLARDS

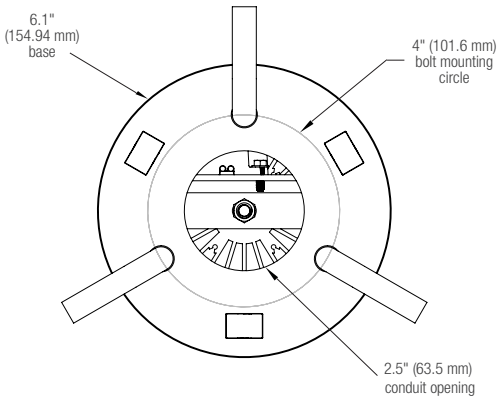
NOMINAL DIMENSIONS

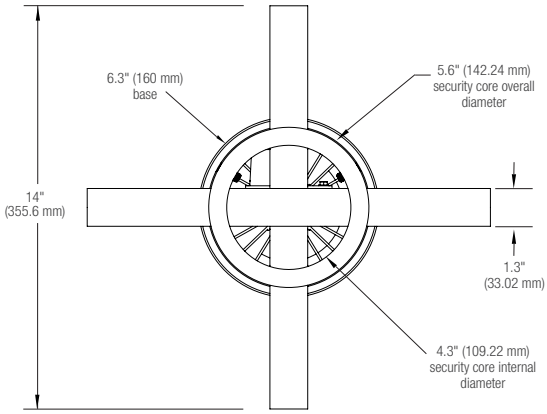
SURFACE MOUNT WITH J-BOLTS



EMBEDDED SECURITY CORE







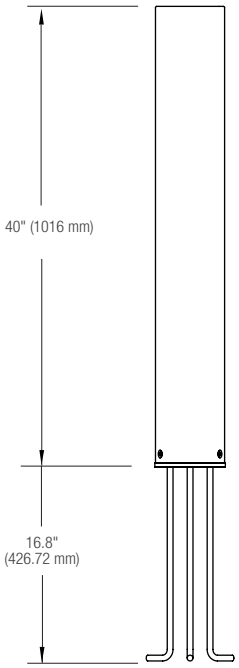
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HELIO™ BOLLARD, SERIES 600

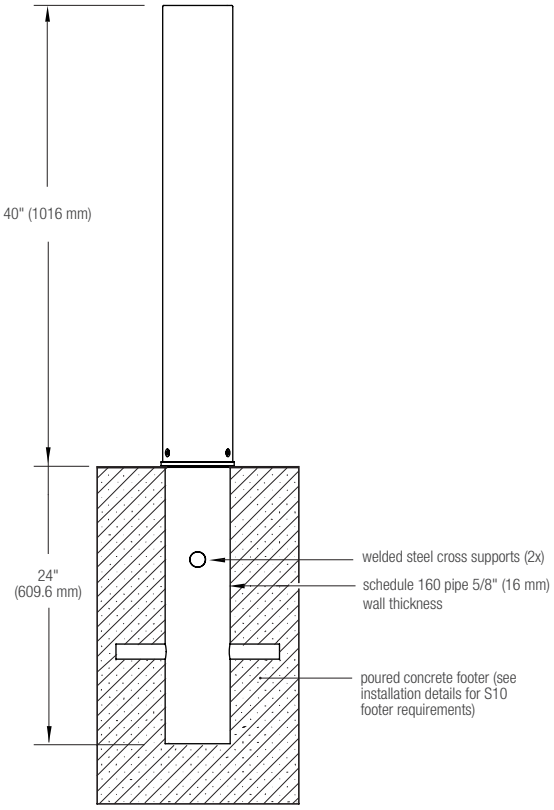
NON-ILLUMINATED BOLLARDS

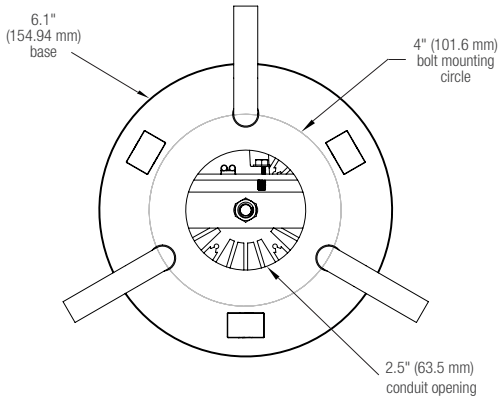
NOMINAL DIMENSIONS

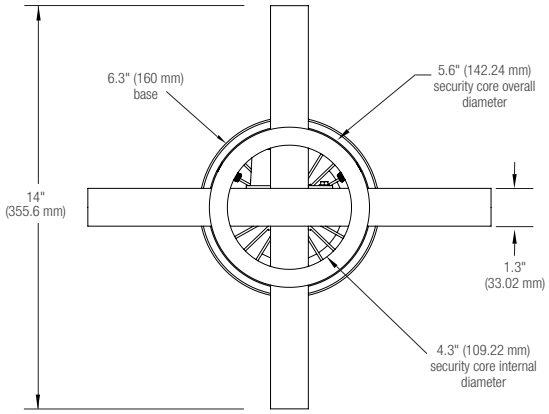
SURFACE MOUNT WITH J-BOLTS



EMBEDDED SECURITY CORE







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HELIO™ BOLLARD, SERIES 600

OPTIONAL SECURITY CORE

Site security is a major concern in today's unpredictable world. Public and private buildings, government facilities, campuses and public parks are all susceptible to accidental, as well as deliberate, vehicle infringement. Design professionals, city planners, facilities managers and engineers must now be increasingly sensitive to the safety and security requirements of public and private spaces. Security bollards placed at ingress points are an excellent way to guard against vehicle infringement while allowing pedestrian access.

Most security bollards have taken the form of generic pipes and cylinders that offered little in the way of design or lighting functionality. An integral security solution is available as an optional enhancement to Forms+Surfaces' Helio lighting bollards. By adding a pre-engineered and fully-tested security core to the existing Helio design, we can offer a beautiful and efficient lighting bollard that also meets the stringent hi-impact crash requirements normally attained only with unattractive pipe barriers.

Helio S10-P1 security bollards have been tested using a Finite Element Analysis (FEA) by a professional engineering consultant. FEA is a software-based tool commonly used in the automotive industry and used extensively for crash test simulations. Tests were performed using our bollard set in permanent concrete footings and struck by a vehicle at a 90 degree impact. The impact simulation found the bollards to be successful in stopping a 5,000 lb. small passenger vehicle going 10 mph with less than one meter penetration.

Our permanently embedded security cores are available for both illuminated and non-illuminated bollards. Please contact us to discuss design and installation considerations for Helio bollards with security cores.

CERTIFICATION

- ETL and C-ETL listed for wet locations.
- Helio Bollard 3000K is International DarkSky Approved

ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Helio Bollard, Series 600 Environmental Data Sheets for detailed environmental impact information.
- Metal components have a long life cycle and are 100% recyclable.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
LBHLO-603	Helio Bollard, Series 600, illuminated
LBHLO-603-N	Helio Bollard, Series 600, non-illuminated

PRODUCT OPTIONS

The following options are available for an upcharge

Add powdercoat color from Forms+Surfaces Powdercoat Chart	Upgrade to embedded security core
Custom RAL powdercoat color	Add stainless steel mounting hardware

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LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, finish, color temperature, and light distribution option. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.

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Type: L7
BEGA Product:
Project:
Modified:

Application
LED recessed ceiling luminaires with adjustable light distribution. The inclination angle of the luminaires is infinitely adjustable from 0-30°.
The optical assembly can be rotated 360° around the vertical axis. The adjustable optical system make these luminaires ideal for solving myriad of lighting tasks.

Materials
Luminaire housing and trim constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Clear safety glass
Reflector surface made of pure anodized aluminum
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Stainless steel screw clamps
Galvanized steel rough in ceiling pan with through wiring box

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 1.3 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-20° C
LED module wattage	5.7 W
System wattage	7.0 W
Controllability	0-10V dimming down to 0.1%
Color rendering index	Ra > 90
Luminaire lumens	583 lumens (3000K)
Lifetime at Ta = 15° C	200,000 h (L70)
Lifetime at Ta = 35° C	200,000 h (L70)

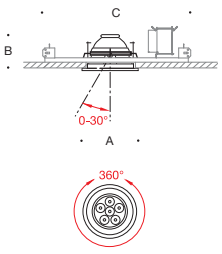
LED color temperature
☐ 4000K - Product number + **K4**
○ 3500K - Product number + **K35**
○ 3000K - Product number + **K3**
○ 2700K - Product number + **K27**

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:

Available Accessories
☐ **10043** Wide beam spread lens
☒ **10014** Elliptical spread lens
See individual accessory spec sheet for details.





LED compact downlights · adjustable light distribution

	LED	β	A	B	C
55842	5.7 W	16°	5 7/8	3 3/8	18

β = Beam angle

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

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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Updated 10/30/18

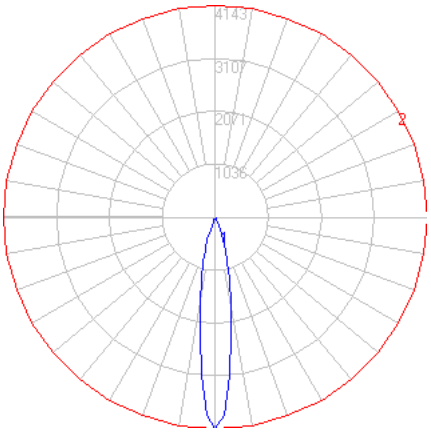
L7

BEGA

Photometric Filename: 55842.IES

TEST: BE_55842
TEST LAB: BEGA
DATE: 2/14/2017
LUMINAIRE: 55 842
LAMP: 5.7W LED



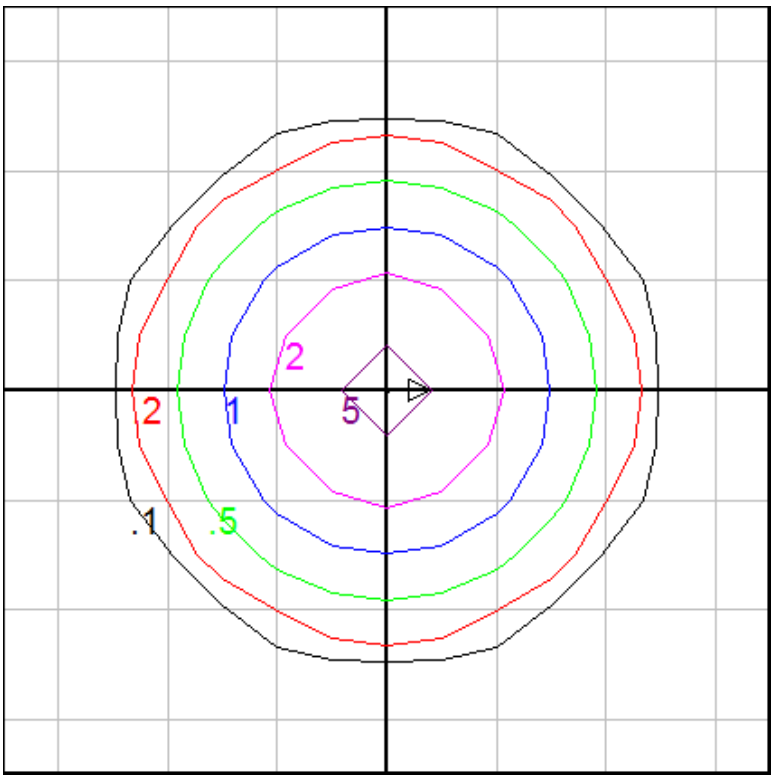


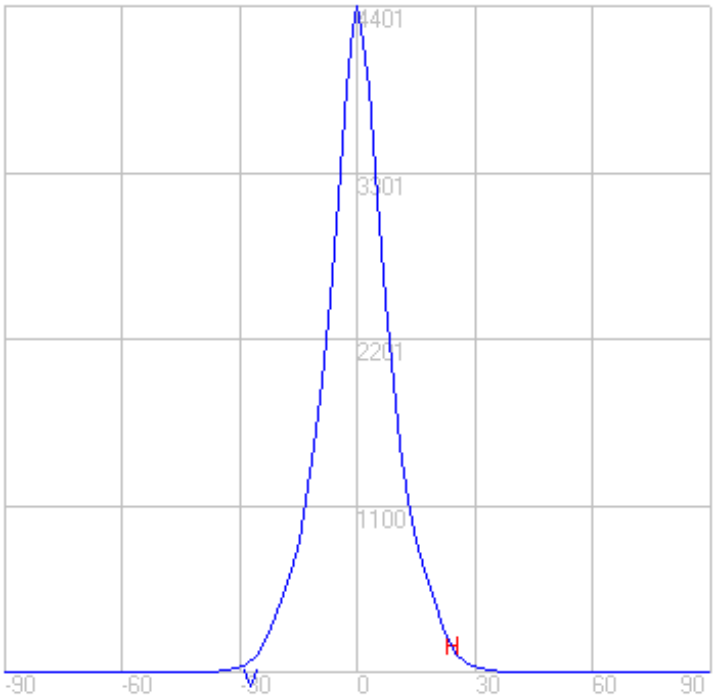
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	583
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.23 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	253.66
10-20	248.87
20-30	71.78
30-40	7.27
40-50	1.26
50-60	0.20
60-70	0.09
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Mounting Height = 25 ft. Grid Spacing = 5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

JUNO

Project:

Fixture Type: LE-1

Location:

Contact/Phone:

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1LED (G4 06LM) RECESSED HOUSING

HYPERBOLIC TRIMS

PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine • Double wall, shallow housing construction allows for fit in 2 x 6 construction • Can be completely covered with insulation • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets • LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims • 5 year limited warranty on LED components.



ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury, RoHS compliant
- Comparable light output to 65W incandescent

PRODUCT SPECIFICATIONS

LED Light Engine LED array attached to high purity aluminum, thermally conductive inner housing provides superior heat transfer to ensure long life of the LED • Replaceable light engine mounts directly to inner housing assembly and incorporates the latest generation, high lumen output LED array • LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity • 2700K, 3000K, 3500K, or 4000K color temperatures available • 90 CRI minimum.

Hyperbolic Optical System Patented (U.S. Patent No. 10,670,227 B2) hyperbolic reflector optimized for small, directional LED source provides unique aperture appearance with reduced brightness • NMC™ nano mixing chamber (provided with trim) with high reflectance white finish coupled with a high transmission diffusing lens conceals the LED and integrates with the hyperbolic trim to create a low glare, efficient system producing 600 lumens using less than 9W*.

Aesthetic Trim Selections Patented (U.S. Patent No. 10,670,227 B2) hyperbolic reflector available in clear Alzak®, haze, wheat haze, black Alzak® and white • Shadow free, knife edge design blends seamlessly into ceiling • Installs with push-in springs.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) drivers that accommodate input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage drivers are dimmable with the use of most 0-10V wall box dimmers • For a list of compatible dimmers,see JUNOICLED-DIM • Mounted inside housing for easy access from below ceiling

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Certified when used with select trims • Can be used to comply with 2019 Title 24, Part 6, JA8 high efficacy LED light source requirements with select trims • UL listed for U.S. and Canada through-branch wiring, damp locations • Union made • UL and cUL • CP option is compatible with spray foam insulation with an R-value of 3.2 per inch or less.

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

HOUSING FEATURES

Housing Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc® compliance • Housing is vertically adjustable to accommodate up to a 1 1/2" ceiling thickness.

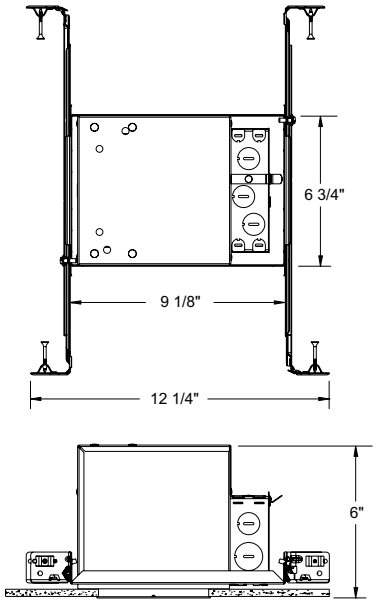
Junction Box Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 6 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Quick connect electrical connectors supplied as standard for fast, secure installation.

Mounting Frame 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

Real Nail 3 Bar Hangers Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings.

*Nominal input wattage @ 120-volt operation with dedicated 120-volt driver under stable operating conditions.

DIMENSIONS



4 1/2" CEILING CUTOUT

LE-1

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1LED (G4 06LM) RECESSED HOUSING

HYPERBOLIC TRIMS

ELECTRICAL DATA

Dedicated 120V Only Driver Option (120 FRPC)

	120V
Input Power	8.6W (+/-5%)
Input Current	0.07A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

ELECTRICAL DATA

Universal Voltage

	MVOLT EZ10 and EZ1		MVOLT ZT10 and ZT1	
	120V	277V	120V	277V
Input Power	8.3W (+/-5%)	8.9W (+/-5%)	8.3W (+/-5%)	8.9W (+/-5%)
Input Current	0.07A	0.03A	0.07A	0.03A
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C	-20°C

ORDERING INFORMATION

Housing and trim can be ordered together or separate, but will always ship separately.

Example: IC1LED G4 06LM 27K 90CRI 120 FRPC

Series	Generation	Lumens	Color Temperature	CRI	Voltage/Driver	Territory
IC1LED 4" LED IC New Construction Downlight	**G4** Generation 4	**06LM** 600 Nominal Lumens	**27K** 2700K	**90CRI** 90+ CRI	**120 FRPC** 120V Forward/Reverse Phase Cut, 5% dim	**CP** Chicago Plenum
			30K 3000K		**MVOLT ZT10** Multi-Volt (120-277), 0-10V, 10% dim	
			35K 3500K		**MVOLT ZT1** Multi-Volt (120-277), 0-10V, 1% dim	
			40K 4000K		**MVOLT EZ10** Multi-Volt (120-277), eldoLED 0-10V, 10% dim	
					MVOLT EZ1 Multi-Volt (120-277), eldoLED 0-10V, 1% dim	

A+ Capable options indicated by this color background

Trim/Description



17HYP2 BWH[1]	4" Hyperbolic Cone Trim - Black Cone, White Trim Ring
17HYP2 CWH	4" Hyperbolic Cone Trim - Clear Alzak® Cone, White Trim Ring
17HYP2 HZWH	4" Hyperbolic Cone Trim - Haze Cone, White Trim Ring
17HYP2 WHZBRZ[1]	4" Hyperbolic Cone Trim - Wheat Haze Cone, Bronze Trim Ring
17HYP2 WHZWH[1]	4" Hyperbolic Cone Trim - Wheat Haze, White Trim Ring
17HYP2 WWH[2]	4" Hyperbolic Cone Trim - White, White Trim Ring

Trim Size: 5" O.D.
Alzak is a registered trademark of Alcoa Corp.
Note: In Canada when insulation is present, Type IC fixtures must be used.

[1] Not ENERGY STAR® Certified or T24 certified
[2] ENERGY STAR® Certified and T24 certified @ 30K with 120 driver and @ 35K, 40K with all drivers

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LE-1

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

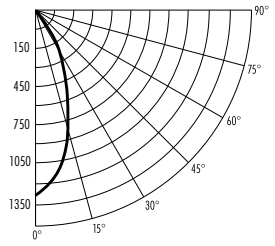
IC1LED (G4 06LM) RECESSED HOUSING

HYPERBOLIC TRIMS

PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT06140404
Catalog No: IC1LED G4 06LM 35K 90CRI 120 with 17HYP2 HZWH Trim and standard nano mixing chamber
Luminaire Spacing Criterion: 0.62
Luminaire LPW: 67



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1329
5	1233
15	826
25	442
35	44
45	3
55	0
65	0
75	0
85	0
90	0

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0´	40	36	33
5.0´	26	23	21
6.0´	18	16	15
7.0´	14	13	12
8.0´	11	10	9
9.0´	9	8	7
10.0´	6	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	533	N/A	92.8
0 - 40°	571	N/A	99.4
0 - 60°	574	N/A	100.0
0 - 90°	574	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 8.6W , 38.3° Beam)

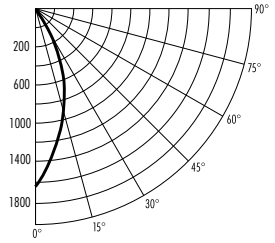
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	83.1	2.8′
6	36.9	4.2′
8	20.8	5.6′
10	13.3	6.9′

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	691
55	33
65	0
75	0
85	0

PHOTOMETRIC REPORT

Test Report #: PT06140402
Catalog No: IC1LED G4 06LM 35K 90CRI 120 with 17HYP2 CWH Trim and standard nano mixing chamber
Luminaire Spacing Criterion: 0.56
Luminaire LPW: 70



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1627
5	1457
15	918
25	438
35	26
45	1
55	0
65	0
75	0
85	0
90	0

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0´	42	38	35
5.0´	27	24	22
6.0´	19	17	15
7.0´	15	14	13
8.0´	12	11	10
9.0´	9	8	8
10.0´	7	6	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	575	N/A	95.0
0 - 40°	604	N/A	99.9
0 - 60°	605	N/A	100.0
0 - 90°	605	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 8.6W , 34.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	101.7	2.5′
6	45.2	3.7′
8	25.4	4.9′
10	16.3	6.2′

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	212
55	0
65	0
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

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PLATE OUT DOUBLE 3450

SL-1

PROJECT PROJET

SPEC TYPE

NOTES

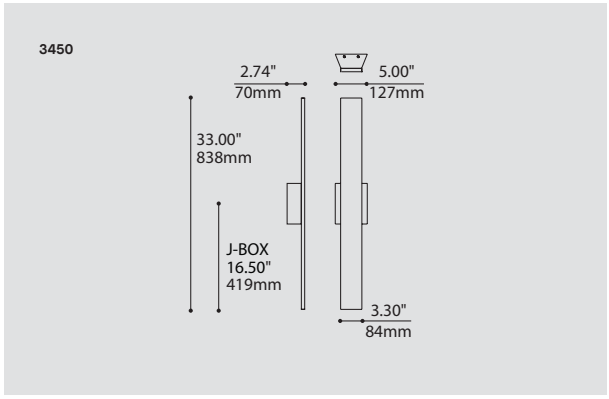


OPTIONS

WHE



BLKE



ORDERING SPECIFICATION SPÉCIFICATION DE COMMANDE — CODE

MODEL MODÈLE		**3450**
3450	PLATE OUT DOUBLE	
LIGHT SOURCE SOURCE LUMINEUSE		
(WATTAGE, LAMP TYPE, OTHER INFO)		
LED	REGULAR OUTPUT	
LED.HO	HIGH OUTPUT	
COLOR TEMPERATURE TEMPÉRATURE DE COULEUR		
27*	2700K	
30	3000K	
35	3500K	
40	4000K	
* LONGER LEAD TIME MAY APPLY, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE		
VOLTAGE VOLTAGE		
120V	120 VOLT	
277V	277 VOLT	
DIMMING OPTION OPTION DE GRADATION		
DV	0-10V DIMMING (120-277V)	
HOUSING BOITIER		
WHE	WHITE FINE TEXTURE	
ANTE	ANTHRACITE FINE TEXTURE	
BLKE	BLACK FINE TEXTURE	

PRODUCT CHARACTERISTICS CARACTÉRISTIQUES DU PRODUIT

ADA BIM DIM IES LED

DESIGN: Designed for use in corridors and public areas, these wall mounted indirect luminaires are outdoor versions of our Plate and are built to be rugged and withstand the elements. They are available in a classic simple version or with the extended double light source version. Both are ADA compliant and can be used indoors.

LIGHT SOURCE: Linear LED strip with self-modulating temperature control for an optimal performance and lifetime. Available with standard 0-10V dimming.

CONSTRUCTION CNC machined aluminum, die-stamped galvanized steel and four levels of die-cut silicone gaskets for secure weather resistance.

DIFFUSER: Translucent frosted acrylic.

CERTIFIED: CSA Listed to US and Canadian safety standards; 25°C ambient and wet-locations. IP65 rated

CONCEPTION: Conçues pour être utilisées dans les couloirs et espaces publics, ces appliques murales à éclairage indirect sont des versions extérieures de notre Plate et sont conçues pour être robustes et résister aux intempéries. Elles sont offertes en version simple et en version étendue avec source lumineuse doublée. Elles sont conformes à la norme ADA et peuvent être installées à l'intérieur.

SOURCE LUMINEUSE: Bande lumineuse DEL avec autocontrôle de température pour une performance et durée de vie optimale. Offert avec gradation standard 0-10V.

CONSTRUCTION: Aluminium usiné par contrôle numérique, acier galvanisé découpé et plié avec les joints d'étanchéité en silicone comprimé pour résister aux intempéries.

DIFFUSEUR: Acrylique givré translucide.

CERTIFIÉ: Homologué CSA aux standards UL Canada et É.-U. - Température ambiante 25°C et emplacements mouillés. Conforme à la norme IP65

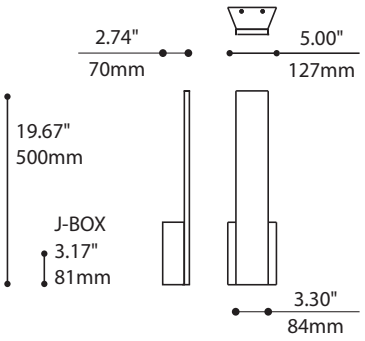
Eureka Lighting © 2021

PLATE OUT 3449/3450

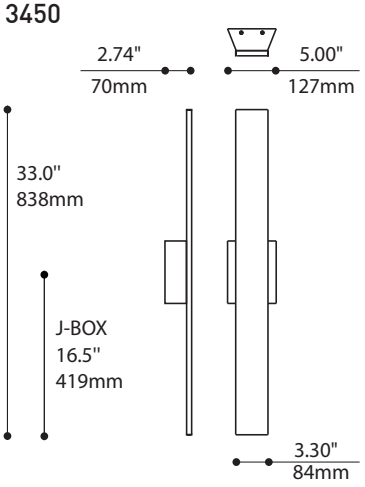
DESIGNED FOR
CONÇU POUR **IP65**

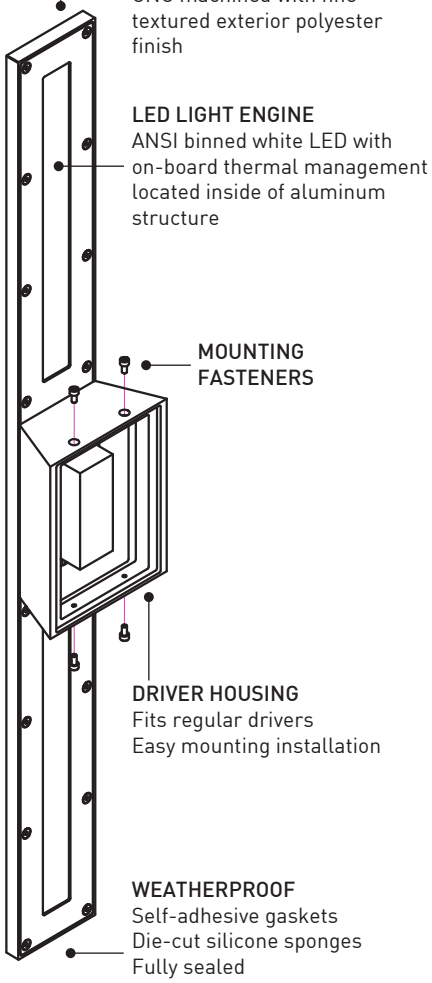
CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450





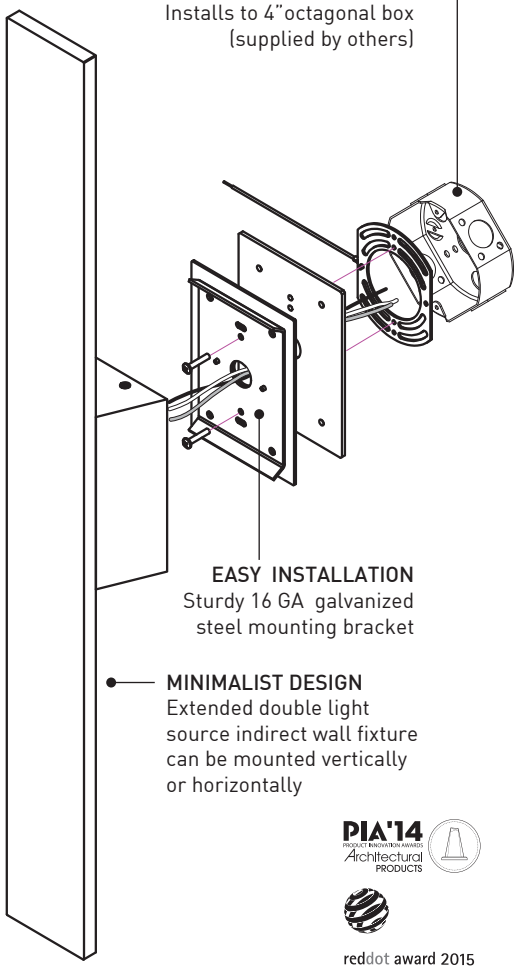
ALUMINUM STRUCTURE
Natural heat-sink
CNC machined with fine textured exterior polyester finish

LED LIGHT ENGINE
ANSI binned white LED with on-board thermal management located inside of aluminum structure

MOUNTING FASTENERS

DRIVER HOUSING
Fits regular drivers
Easy mounting installation

WEATHERPROOF
Self-adhesive gaskets
Die-cut silicone sponges
Fully sealed
Wet location rated



MOUNTING
Installs to 4"octagonal box (supplied by others)

EASY INSTALLATION
Sturdy 16 GA galvanized steel mounting bracket

MINIMALIST DESIGN
Extended double light source indirect wall fixture can be mounted vertically or horizontally

PIA'14 Architectural Products

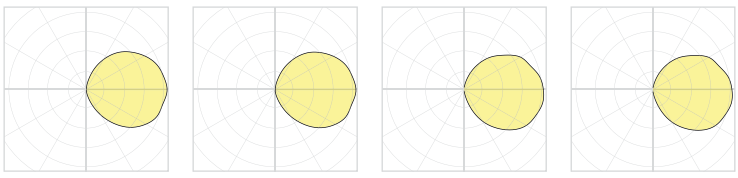
reddot award 2015 winner

PRODUCT SPECIFICATION	3449 - REG	3449 - HO	3450 - REG	3450 - HO
PERFORMANCE				
SYSTEM WATTAGE	4.9 W	7.3 W	9.9 W	14.6 W
DELIVERED LUMENS (4000K)	394 LM	562 LM	787 LM	1124 LM
EFFICACY	80.4 LM/W	76.9 LM/W	79.5 LM/W	76.9 LM/W
OTHER INFORMATIONS				
LUMINAIRE'S WEIGHT	6,53LBS LBS / 2.97 KG	6,53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (LUMEN MAINTENANCE)	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS

EFFICACY MULTIPLIERS

CRI	CCT	FACTOR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

LIGHT DISTRIBUTION



3449-REG | 3449-HO | 3450-REG | 3450-HO

5 years warranty

Visit our website for warranty terms and conditions.

EUREKA

TECHNICAL DATA

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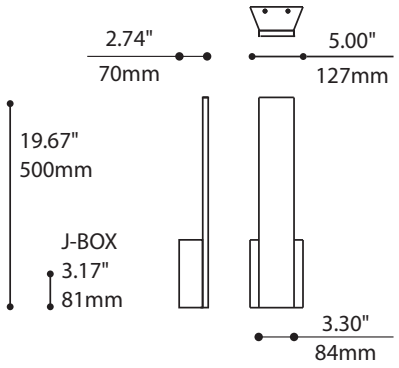
SL-1

PLATE OUT 3449/3450

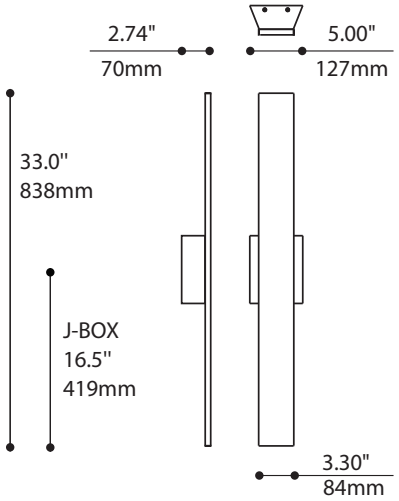
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450



STRUCTURE D'ALUMINIUM
Pièces usinées par contrôle numérique fonctionnant comme dissipateur thermique et peinturées à base de polyester fine texture

SOURCE LUMINEUSE À DEL
Bandes DEL blanches offertes avec un dissipateur thermique intégré, localisées à l'intérieur de la structure en aluminium

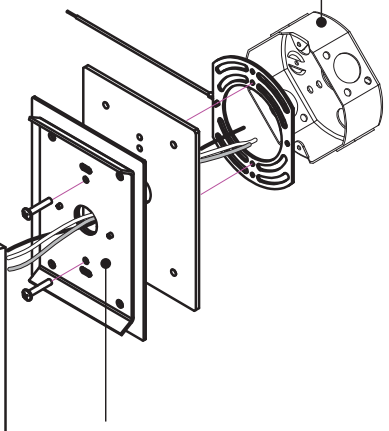
VIS DE SÉCURITÉ CACHÉS

BOÎTIER DE LUMINAIRE
Convient aux pilotes de DEL avec un système d'installation facile

RÉSISTE AUX INTEMPÉRIES
Joints d'étanchéité autocollants
Silicone éponges découpées
Scellage complet
Convient aux endroits mouillés



SYSTÈME DE MONTAGE
Convient à la boîte de jonction octogone 4" (non incluse)



INSTALLATION SOLIDE
Plaque murale en acier galvanisé 16 GA

DESIGN MINIMALISTE
Version à double source lumineuse indirecte pouvant être montée verticalement ou horizontalement

PIA'14 Product Innovation Awards Architectural Products

reddot award 2015 winner

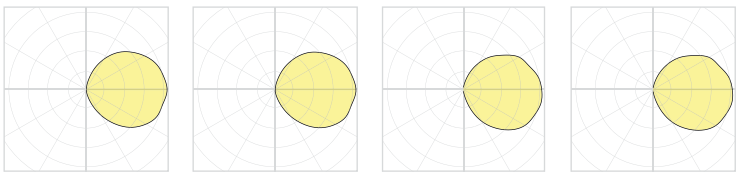
reddot 21 world of design

SPÉCIFICATION PRODUIT	3449 - REG	3449 - HO	3450 - REG	3450 - HO
PERFORMANCE				
PUISSANCE TOTALE	4.9 W	7.3 W	9.9 W	14.6 W
LUMENS RÉELS (4000K)	394 LM	562 LM	787 LM	1124 LM
EFFICACITÉ	80.4 LM/W	76.9 LM/W	79.5 LM/W	76.9 LM/W
AUTRES INFORMATIONS				
POIDS PAR TÊTE	6,53LBS LBS / 2.97 KG	6,53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (MAINTENANCE DE LA LUMIÈRE)	> 60 000 H	> 60 000 H	> 60 000 H	> 60 000 H

FACTEUR D'EFFICACITÉ

IRC	CCT	FACTEUR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

DISTRIBUTION LUMINEUSE



3449-REG **3449-HO** **3450-REG** **3450-HO**

5 ans de garantie

Visitez notre site Web pour les termes et conditions.

EUREKA

DONNÉES TECHNIQUES

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PLATE OUT DOUBLE 3450

SL-2

PROJECT PROJET

SPEC TYPE

NOTES

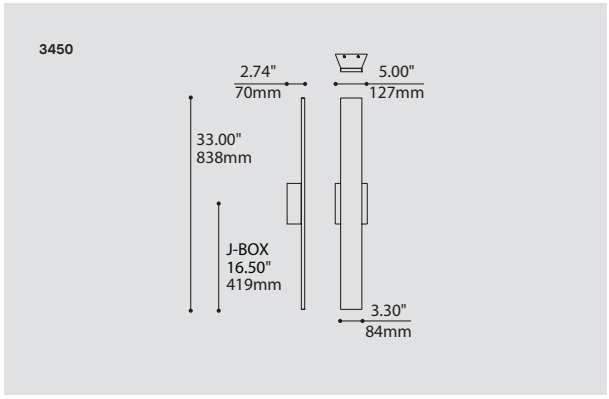


OPTIONS

WHE



BLKE



ORDERING SPECIFICATION SPÉCIFICATION DE COMMANDE — CODE

MODEL MODÈLE		**3450**
3450	PLATE OUT DOUBLE	
LIGHT SOURCE SOURCE LUMINEUSE		
(WATTAGE, LAMP TYPE, OTHER INFO)		
LED	REGULAR OUTPUT	
LED.HO	HIGH OUTPUT	
COLOR TEMPERATURE TEMPÉRATURE DE COULEUR		
27*	2700K	
30	3000K	
35	3500K	
40	4000K	
* LONGER LEAD TIME MAY APPLY, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE		
VOLTAGE VOLTAGE		
120V	120 VOLT	
277V	277 VOLT	
DIMMING OPTION OPTION DE GRADATION		
DV	0-10V DIMMING (120-277V)	
HOUSING BOITIER		
WHE	WHITE FINE TEXTURE	
ANTE	ANTHRACITE FINE TEXTURE	
BLKE	BLACK FINE TEXTURE	

PRODUCT CHARACTERISTICS CARACTÉRISTIQUES DU PRODUIT

ADA BIM DIM IES LED

DESIGN: Designed for use in corridors and public areas, these wall mounted indirect luminaires are outdoor versions of our Plate and are built to be rugged and withstand the elements. They are available in a classic simple version or with the extended double light source version. Both are ADA compliant and can be used indoors.

LIGHT SOURCE: Linear LED strip with self-modulating temperature control for an optimal performance and lifetime. Available with standard 0-10V dimming.

CONSTRUCTION CNC machined aluminum, die-stamped galvanized steel and four levels of die-cut silicone gaskets for secure weather resistance.

DIFFUSER: Translucent frosted acrylic.

CERTIFIED: CSA Listed to US and Canadian safety standards; 25°C ambient and wet-locations. IP65 rated

CONCEPTION: Conçues pour être utilisées dans les couloirs et espaces publics, ces appliques murales à éclairage indirect sont des versions extérieures de notre Plate et sont conçues pour être robustes et résister aux intempéries. Elles sont offertes en version simple et en version étendue avec source lumineuse doublée. Elles sont conformes à la norme ADA et peuvent être installées à l'intérieur.

SOURCE LUMINEUSE: Bande lumineuse DEL avec autocontrôle de température pour une performance et durée de vie optimale. Offert avec gradation standard 0-10V.

CONSTRUCTION: Aluminium usiné par contrôle numérique, acier galvanisé découpé et plié avec les joints d'étanchéité en silicone comprimé pour résister aux intempéries.

DIFFUSEUR: Acrylique givré translucide.

CERTIFIÉ: Homologué CSA aux standards UL Canada et É.-U. - Température ambiante 25°C et emplacements mouillés. Conforme à la norme IP65

Eureka Lighting © 2021

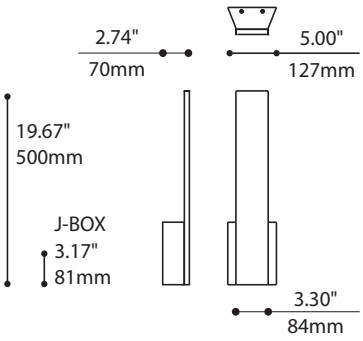
SL-2

PLATE OUT 3449/3450

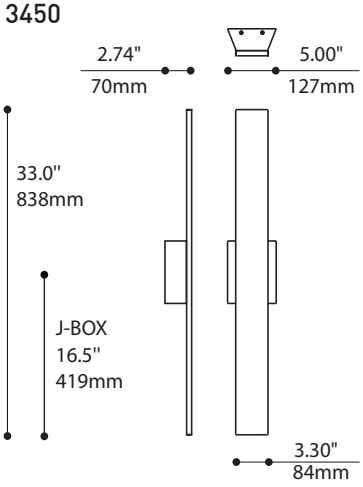
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450



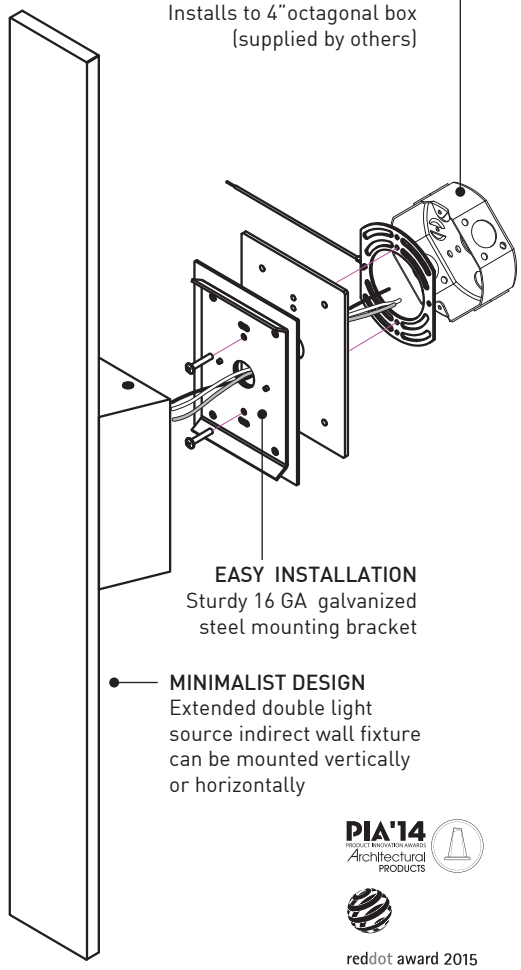
ALUMINUM STRUCTURE
Natural heat-sink
CNC machined with fine textured exterior polyester finish

LED LIGHT ENGINE
ANSI binned white LED with on-board thermal management located inside of aluminum structure

MOUNTING FASTENERS

DRIVER HOUSING
Fits regular drivers
Easy mounting installation

WEATHERPROOF
Self-adhesive gaskets
Die-cut silicone sponges
Fully sealed
Wet location rated



MOUNTING
Installs to 4"octagonal box (supplied by others)

EASY INSTALLATION
Sturdy 16 GA galvanized steel mounting bracket

MINIMALIST DESIGN
Extended double light source indirect wall fixture can be mounted vertically or horizontally

PIA'14 PRODUCT INNOVATION AWARDS Architectural PRODUCTS

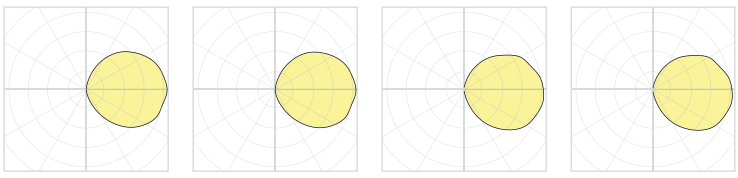
reddot award 2015
winner

PRODUCT SPECIFICATION	3449 - REG	3449 - HO	3450 - REG	3450 - HO
PERFORMANCE				
SYSTEM WATTAGE	4.9 W	7.3 W	9.9 W	14.6 W
DELIVERED LUMENS (4000K)	394 LM	562 LM	787 LM	1124 LM
EFFICACY	80.4 LM/W	76.9 LM/W	79.5 LM/W	76.9 LM/W
OTHER INFORMATIONS				
LUMINAIRE'S WEIGHT	6,53LBS LBS / 2.97 KG	6,53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (LUMEN MAINTENANCE)	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS

EFFICACY MULTIPLIERS

CRI	CCT	FACTOR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

LIGHT DISTRIBUTION



3449-REG | 3449-HO | 3450-REG | 3450-HO

5 years warranty

Visit our website for warranty terms and conditions.

EUREKA

TECHNICAL DATA

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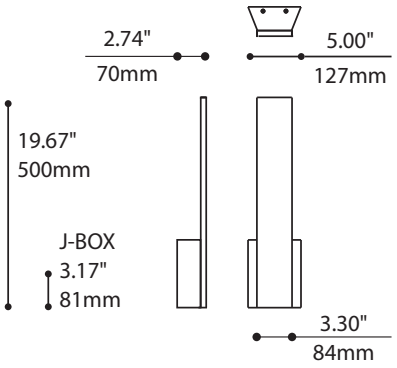
SL-2

PLATE OUT 3449/3450

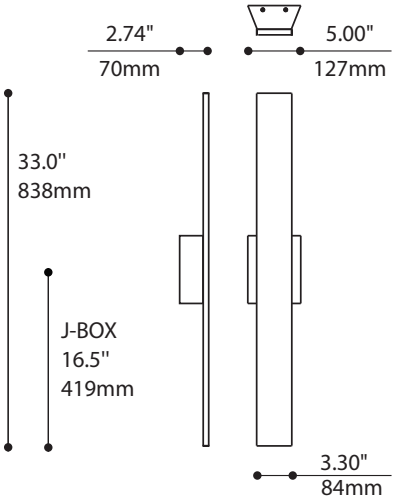
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450



STRUCTURE D'ALUMINIUM
Pièces usinées par contrôle numérique fonctionnant comme dissipateur thermique et peinturées à base de polyester fine texture

SOURCE LUMINEUSE À DEL
Bandes DEL blanches offertes avec un dissipateur thermique intégré, localisées à l'intérieur de la structure en aluminium

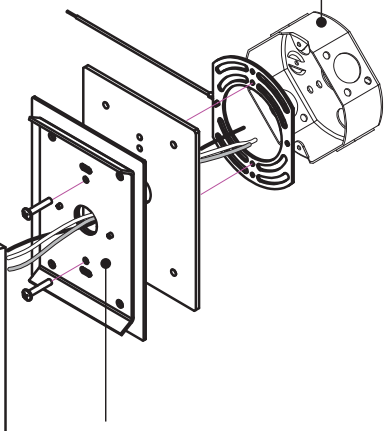
VIS DE SÉCURITÉ CACHÉS

BOÎTIER DE LUMINAIRE
Convient aux pilotes de DEL avec un système d'installation facile

RÉSISTE AUX INTEMPÉRIES
Joints d'étanchéité autocollants
Silicone éponges découpées
Scellage complet
Convient aux endroits mouillés



SYSTÈME DE MONTAGE
Convient à la boîte de jonction octogone 4" (non incluse)



INSTALLATION SOLIDE
Plaque murale en acier galvanisé 16 GA

DESIGN MINIMALISTE
Version à double source lumineuse indirecte pouvant être montée verticalement ou horizontalement

PIA'14 Product Innovation Awards Architectural Products

reddot award 2015 winner

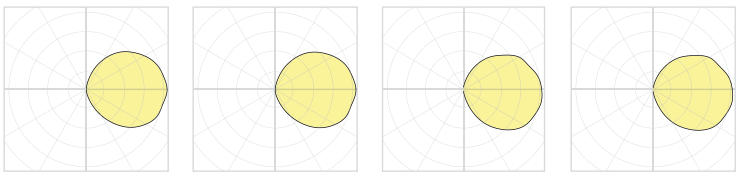
reddot 21 world of design

SPÉCIFICATION PRODUIT	3449 - REG	3449 - HO	3450 - REG	3450 - HO
PERFORMANCE				
PUISSANCE TOTALE	4.9 W	7.3 W	9.9 W	14.6 W
LUMENS RÉELS (4000K)	394 LM	562 LM	787 LM	1124 LM
EFFICACITÉ	80.4 LM/W	76.9 LM/W	79.5 LM/W	76.9 LM/W
AUTRES INFORMATIONS				
POIDS PAR TÊTE	6,53LBS LBS / 2.97 KG	6,53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (MAINTENANCE DE LA LUMIÈRE)	> 60 000 H	> 60 000 H	> 60 000 H	> 60 000 H

FACTEUR D'EFFICACITÉ

IRC	CCT	FACTEUR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

DISTRIBUTION LUMINEUSE



3449-REG **3449-HO** **3450-REG** **3450-HO**

c SA US FC 5 ans de garantie

Visitez notre site Web pour les termes et conditions.

EUREKA

DONNÉES TECHNIQUES

Tous droits réservés et tous les dessins protégés par le droit d'auteur. Eureka Lighting se réserve le droit de changer ou de modifier les spécifications sans préavis.

SHOP NOW

ALCON LIGHTING

Project Name: _____ Type: _____ Quantity: _____

FIXTURE SPECIFICATIONS

INTENDED USE

Add architectural-grade uplighting and downlighting to your commercial, hospitality and residential exterior walls. Our cylindrical sconces illuminate with elegance and versatility. Choose a nickel, black, bronze or white finish.

PRODUCT FAMILY

SHORT | Dia ø 4" x **H** 8" x **W** 5-3/4"
TALL | Dia ø 4" x **H** 12" x **W** 5-3/4"

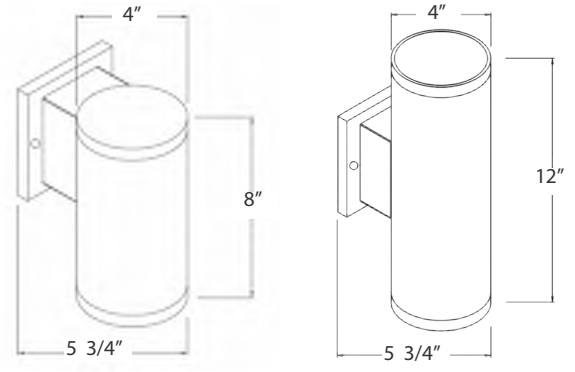
FEATURES

Construction: Die-cast Aluminum
Color Temperature Switching: Capable of switching from 3 color temperatures: 3000K/4000K/5000K
Voltage: 120V AC
Dimming: TRIAC
Beam Spread: 45° Flood
CRI: 80
Maximum Ambient Temperature: -68°F to 104°F
Warranty: 7 Years Carefree for Parts & Components (Labor Not Included)
Listings: cETLus Listed, Suitable for Wet Locations, IP44

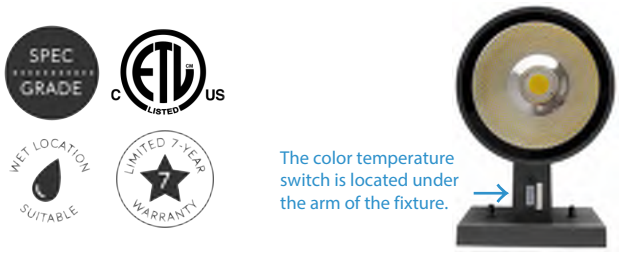


SHORT (1)
Down Light Only

TALL (2)
Up and Down Light



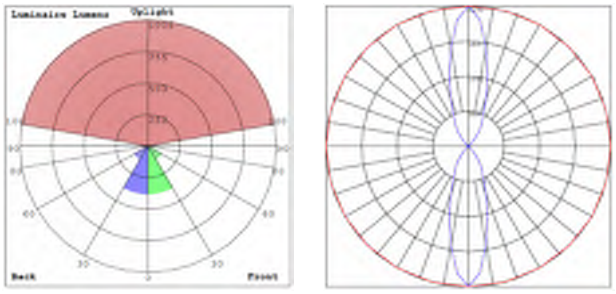




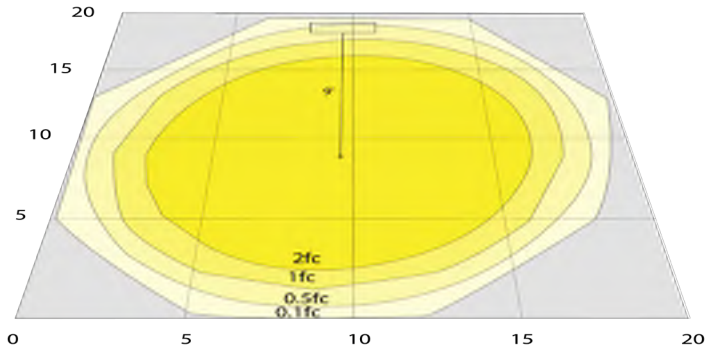
ORDERING INFORMATION Example: (11240-1-BK)

Model	Size | Light Direction | Wattage | Lumens	Finish
11240 Zen	**1** Short | Down Light Only | 15W | 1200lm **2** Tall | ~~Up and~~ Down Light | 30W | 2400lm	**BK** Black **WH** White **BR** Bronze **BN** Brushed Nickel

Photometrics: 11240-1 (Downlight)

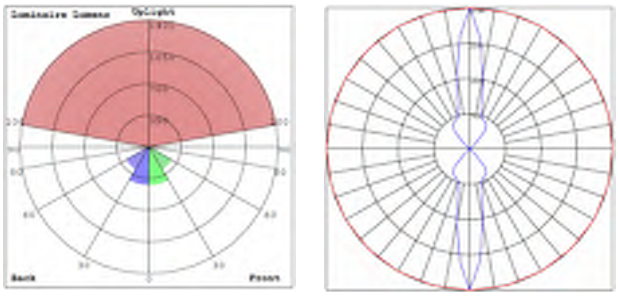


BUG Rating: B1-U5-G0

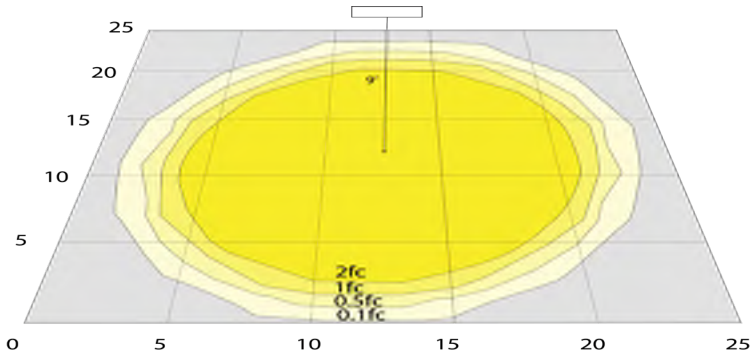


15W 5000K, Area 20'x 20' Mounting Height: 9'

Photometrics: 11240-2 (Up & Down Light)



BUG Rating: B1-U5-G0



30W 5000K Area 25'x 25' Mounting Height: 9'



JUNO

Project:

Fixture Type:

Location:

Contact/Phone:

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1LED (G4 06LM) RECESSED HOUSING

HYPERBOLIC TRIMS

PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine • Double wall, shallow housing construction allows for fit in 2 x 6 construction • Can be completely covered with insulation • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets • LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims • 5 year limited warranty on LED components.



ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury, RoHS compliant
- Comparable light output to 65W incandescent

PRODUCT SPECIFICATIONS

LED Light Engine LED array attached to high purity aluminum, thermally conductive inner housing provides superior heat transfer to ensure long life of the LED • Replaceable light engine mounts directly to inner housing assembly and incorporates the latest generation, high lumen output LED array • LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity • 2700K, 3000K, 3500K, or 4000K color temperatures available • 90 CRI minimum.

Hyperbolic Optical System Patented (U.S. Patent No. 10,670,227 B2) hyperbolic reflector optimized for small, directional LED source provides unique aperture appearance with reduced brightness • NMC™ nano mixing chamber (provided with trim) with high reflectance white finish coupled with a high transmission diffusing lens conceals the LED and integrates with the hyperbolic trim to create a low glare, efficient system producing 600 lumens using less than 9W*.

Aesthetic Trim Selections Patented (U.S. Patent No. 10,670,227 B2) hyperbolic reflector available in clear Alzak®, haze, wheat haze, black Alzak® and white • Shadow free, knife edge design blends seamlessly into ceiling • Installs with push-in springs.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) drivers that accommodate input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage drivers are dimmable with the use of most 0-10V wall box dimmers • For a list of compatible dimmers,see JUNOICLED-DIM • Mounted inside housing for easy access from below ceiling

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Certified when used with select trims • Can be used to comply with 2019 Title 24, Part 6, JA8 high efficacy LED light source requirements with select trims • UL listed for U.S. and Canada through-branch wiring, damp locations • Union made • UL and cUL • CP option is compatible with spray foam insulation with an R-value of 3.2 per inch or less.

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

HOUSING FEATURES

Housing Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc® compliance • Housing is vertically adjustable to accommodate up to a 1 1/2" ceiling thickness.

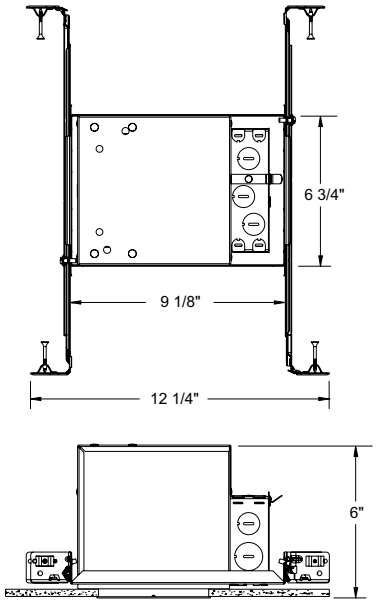
Junction Box Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 6 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Quick connect electrical connectors supplied as standard for fast, secure installation.

Mounting Frame 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

Real Nail 3 Bar Hangers Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings.

*Nominal input wattage @ 120-volt operation with dedicated 120-volt driver under stable operating conditions.

DIMENSIONS



4 1/2" CEILING CUTOUT

OA

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1LED (G4 06LM) RECESSED HOUSING

HYPERBOLIC TRIMS

ELECTRICAL DATA

Dedicated 120V Only Driver Option (120 FRPC)

	120V
Input Power	8.6W (+/-5%)
Input Current	0.07A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

ELECTRICAL DATA

Universal Voltage

	MVOLT EZ10 and EZ1		MVOLT ZT10 and ZT1	
	120V	277V	120V	277V
Input Power	8.3W (+/-5%)	8.9W (+/-5%)	8.3W (+/-5%)	8.9W (+/-5%)
Input Current	0.07A	0.03A	0.07A	0.03A
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C	-20°C

ORDERING INFORMATION

Housing and trim can be ordered together or separate, but will always ship separately.

Example: IC1LED G4 06LM 27K 90CRI 120 FRPC

Series		Generation		Lumens		Color Temperature		CRI		Voltage/Driver		Territory	
IC1LED	4" LED IC New Construction Downlight	**G4**	Generation 4	**06LM**	600 Nominal Lumens	**27K**	2700K	**90CRI**	90+ CRI	**120 FRPC**	120V Forward/Reverse Phase Cut, 5% dim	**CP**	Chicago Plenum
						30K	3000K			**MVOLT ZT10**	Multi-Volt (120-277), 0-10V, 10% dim		
						35K	3500K			**MVOLT ZT1**	Multi-Volt (120-277), 0-10V, 1% dim		
						40K	4000K			**MVOLT EZ10**	Multi-Volt (120-277), eldoLED 0-10V, 10% dim		
										MVOLT EZ1	Multi-Volt (120-277), eldoLED 0-10V, 1% dim		

A+ Capable options indicated by this color background

Trim/Description



17HYP2 BWH[1]	4" Hyperbolic Cone Trim - Black Cone, White Trim Ring
17HYP2 CWH	4" Hyperbolic Cone Trim - Clear Alzak® Cone, White Trim Ring
17HYP2 HZWH	4" Hyperbolic Cone Trim - Haze Cone, White Trim Ring
17HYP2 WHZBRZ[1]	4" Hyperbolic Cone Trim - Wheat Haze Cone, Bronze Trim Ring
17HYP2 WHZWH[1]	4" Hyperbolic Cone Trim - Wheat Haze, White Trim Ring
17HYP2 WWH[2]	4" Hyperbolic Cone Trim - White, White Trim Ring

Trim Size: 5" O.D.
Alzak is a registered trademark of Alcoa Corp.
Note: In Canada when insulation is present, Type IC fixtures must be used.

[1] Not ENERGY STAR® Certified or T24 certified
[2] ENERGY STAR® Certified and T24 certified @ 30K with 120 driver and @ 35K, 40K with all drivers

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OA

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

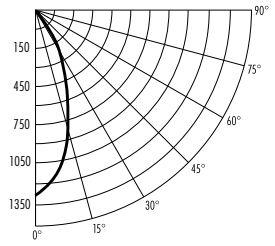
IC1LED (G4 06LM) RECESSED HOUSING

HYPERBOLIC TRIMS

PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT06140404
Catalog No: IC1LED G4 06LM 35K 90CRI 120 with 17HYP2 HZWH Trim and standard nano mixing chamber
Luminaire Spacing Criterion: 0.62
Luminaire LPW: 67



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1329
5	1233
15	826
25	442
35	44
45	3
55	0
65	0
75	0
85	0
90	0

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0´	40	36	33
5.0´	26	23	21
6.0´	18	16	15
7.0´	14	13	12
8.0´	11	10	9
9.0´	9	8	7
10.0´	6	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	533	N/A	92.8
0 - 40°	571	N/A	99.4
0 - 60°	574	N/A	100.0
0 - 90°	574	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 8.6W , 38.3° Beam)

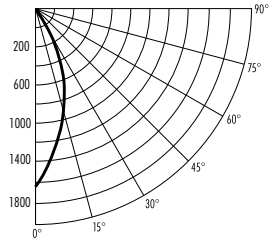
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	83.1	2.8´
6	36.9	4.2´
8	20.8	5.6´
10	13.3	6.9´

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	691
55	33
65	0
75	0
85	0

PHOTOMETRIC REPORT

Test Report #: PT06140402
Catalog No: IC1LED G4 06LM 35K 90CRI 120 with 17HYP2 CWH Trim and standard nano mixing chamber
Luminaire Spacing Criterion: 0.56
Luminaire LPW: 70



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1627
5	1457
15	918
25	438
35	26
45	1
55	0
65	0
75	0
85	0
90	0

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0´	42	38	35
5.0´	27	24	22
6.0´	19	17	15
7.0´	15	14	13
8.0´	12	11	10
9.0´	9	8	8
10.0´	7	6	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	575	N/A	95.0
0 - 40°	604	N/A	99.9
0 - 60°	605	N/A	100.0
0 - 90°	605	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 8.6W , 34.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	101.7	2.5´
6	45.2	3.7´
8	25.4	4.9´
10	16.3	6.2´

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	212
55	0
65	0
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

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ALCON LIGHTING

Project Name: _____ Type: _____ Quantity: _____

FIXTURE SPECIFICATIONS

INTENDED USE

Add architectural-grade uplighting and downlighting to your commercial, hospitality and residential exterior walls. Our cylindrical sconces illuminate with elegance and versatility. Choose a nickel, black, bronze or white finish.

PRODUCT FAMILY

SHORT | Dia ø 4" x **H** 8" x **W** 5-3/4"
TALL | Dia ø 4" x **H** 12" x **W** 5-3/4"

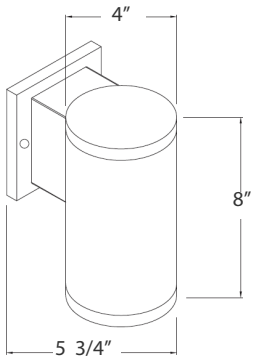
FEATURES

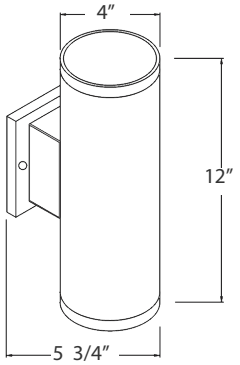
Construction: Die-cast Aluminum
Color Temperature Switching: Capable of switching from 3 color temperatures: 3000K/4000K/5000K
Voltage: 120V AC
Dimming: TRIAC
Beam Spread: 45° Flood
CRI: 80
Maximum Ambient Temperature: -68°F to 104°F
Warranty: 7 Years Carefree for Parts & Components (Labor Not Included)
Listings: cETLus Listed, Suitable for Wet Locations, IP44



SHORT (1)
Down Light Only

TALL (2)
Up and Down Light





Black White Bronze Brushed Nickel



SPEC GRADE

ETL LISTED c US

WET LOCATION SUITABLE

LIMITED 7-YEAR WARRANTY

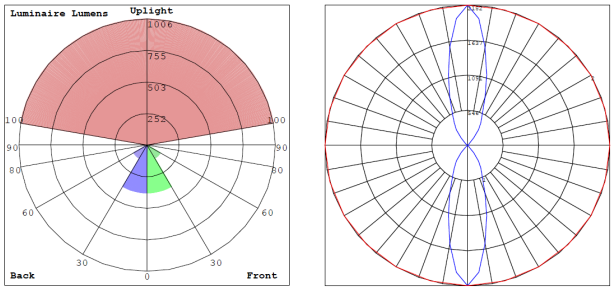
The color temperature switch is located under the arm of the fixture.



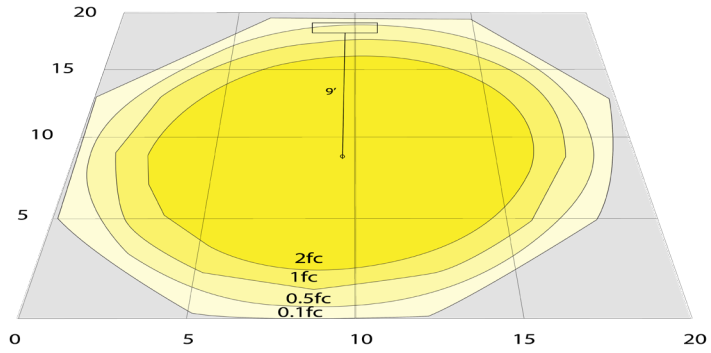
ORDERING INFORMATION Example: (11240-1-BK)

Model	Size | Light Direction | Wattage | Lumens	Finish
11240 Zen	**1** Short | Down Light Only | 15W | 1200lm	**BK** Black
	2 Tall | Up and Down Light | 30W | 2400lm	**WH** White
		BR Bronze
		BN Brushed Nickel

Photometrics: 11240-1 (Downlight)

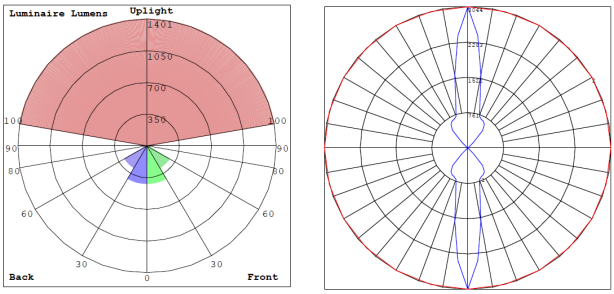


BUG Rating: B1-U5-G0

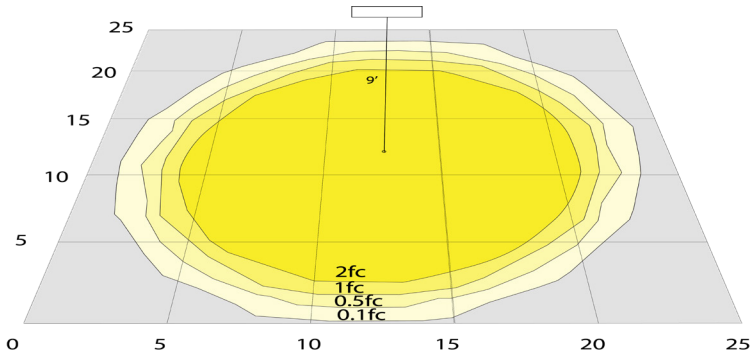


15W 5000K, Area 20'x 20' Mounting Height: 9'

Photometrics: 11240-2 (Up & Down Light)



BUG Rating: B1-U5-G0



30W 5000K Area 25'x 25' Mounting Height: 9'



PLATE OUT DOUBLE 3450

PROJECT PROJET

SPEC TYPE

NOTES



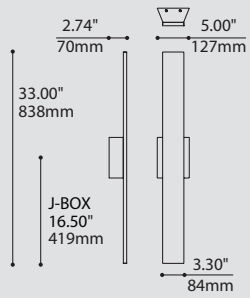
OPTIONS

WHE



BLKE

3450



ORDERING SPECIFICATION SPÉCIFICATION DE COMMANDE — CODE

MODEL MODÈLE — **3450**

3450 PLATE OUT DOUBLE

LIGHT SOURCE SOURCE LUMINEUSE

(WATTAGE, LAMP TYPE, OTHER INFO)

LED REGULAR OUTPUT
LED.HO HIGH OUTPUT

COLOR TEMPERATURE TEMPÉRATURE DE COULEUR

27* 2700K
30 3000K
35 3500K
40 4000K

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

VOLTAGE VOLTAGE

120V 120 VOLT
277V 277 VOLT

DIMMING OPTION OPTION DE GRADATION

DV 0-10V DIMMING (120-277V)

HOUSING BOITIER

WHE WHITE FINE TEXTURE
ANTE ANTHRACITE FINE TEXTURE
BLKE BLACK FINE TEXTURE

PRODUCT CHARACTERISTICS CARACTÉRISTIQUES DU PRODUIT

ADA BIM DIM IES LED

DESIGN: Designed for use in corridors and public areas, these wall mounted indirect luminaires are outdoor versions of our Plate and are built to be rugged and withstand the elements. They are available in a classic simple version or with the extended double light source version. Both are ADA compliant and can be used indoors.

LIGHT SOURCE: Linear LED strip with self-modulating temperature control for an optimal performance and lifetime. Available with standard 0-10V dimming.

CONSTRUCTION CNC machined aluminum, die-stamped galvanized steel and four levels of die-cut silicone gaskets for secure weather resistance.

DIFFUSER: Translucent frosted acrylic.

CERTIFIED: CSA Listed to US and Canadian safety standards; 25°C ambient and wet-locations. IP65 rated

CONCEPTION: Conçues pour être utilisées dans les couloirs et espaces publics, ces appliques murales à éclairage indirect sont des versions extérieures de notre Plate et sont conçues pour être robustes et résister aux intempéries. Elles sont offertes en version simple et en version étendue avec source lumineuse doublée. Elles sont conformes à la norme ADA et peuvent être installées à l'intérieur.

SOURCE LUMINEUSE: Bande lumineuse DEL avec autocontrôle de température pour une performance et durée de vie optimale. Offert avec gradation standard 0-10V.

CONSTRUCTION: Aluminium usiné par contrôle numérique, acier galvanisé découpé et plié avec les joints d'étanchéité en silicone comprimé pour résister aux intempéries.

DIFFUSEUR: Acrylique givré translucide.

CERTIFIÉ: Homologué CSA aux standards UL Canada et É.-U. - Température ambiante 25°C et emplacements mouillés. Conforme à la norme IP65

Eureka Lighting © 2021

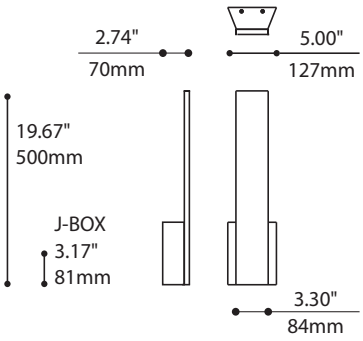
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PLATE OUT 3449/3450

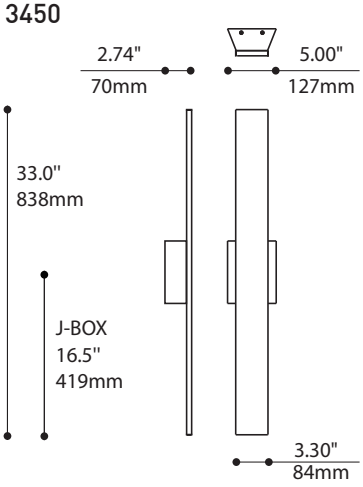
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450



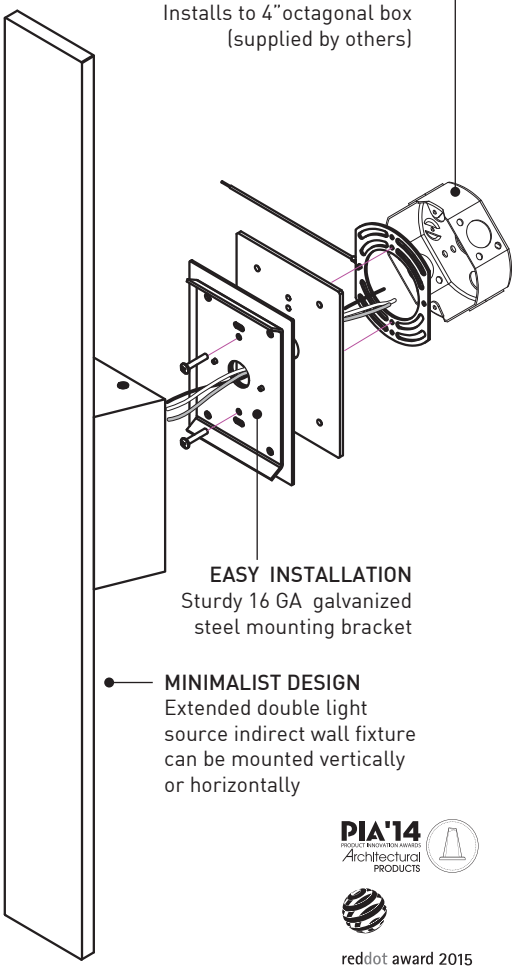
ALUMINUM STRUCTURE
Natural heat-sink
CNC machined with fine textured exterior polyester finish

LED LIGHT ENGINE
ANSI binned white LED with on-board thermal management located inside of aluminum structure

MOUNTING FASTENERS

DRIVER HOUSING
Fits regular drivers
Easy mounting installation

WEATHERPROOF
Self-adhesive gaskets
Die-cut silicone sponges
Fully sealed
Wet location rated



MOUNTING
Installs to 4"octagonal box (supplied by others)

EASY INSTALLATION
Sturdy 16 GA galvanized steel mounting bracket

MINIMALIST DESIGN
Extended double light source indirect wall fixture can be mounted vertically or horizontally

PIA'14 Architectural Products

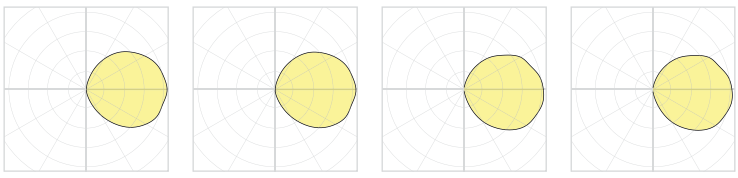
reddot award 2015 winner

PRODUCT SPECIFICATION	3449 - REG	3449 - HO	3450 - REG	3450 - HO
PERFORMANCE				
SYSTEM WATTAGE	4.9 W	7.3 W	9.9 W	14.6 W
DELIVERED LUMENS (4000K)	394 LM	562 LM	787 LM	1124 LM
EFFICACY	80.4 LM/W	76.9 LM/W	79.5 LM/W	76.9 LM/W
OTHER INFORMATIONS				
LUMINAIRE'S WEIGHT	6,53LBS LBS / 2.97 KG	6,53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (LUMEN MAINTENANCE)	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS

EFFICACY MULTIPLIERS

CRI	CCT	FACTOR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

LIGHT DISTRIBUTION



3449-REG | 3449-HO | 3450-REG | 3450-HO

5 years warranty

Visit our website for warranty terms and conditions.

EUREKA

TECHNICAL DATA

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HELIO™ BOLLARD, SERIES 600

PRODUCT DATA



FORMS+SURFACES®

OD

HELIO™ BOLLARD, SERIES 600

PRODUCT DATA

Helio Bollards, Series 600 bring an elegant simplicity to public spaces of all kinds. Constructed of stainless steel, fixtures 6" in diameter are available in illuminated and non-illuminated variations with or without a security core option. Illuminated bollards feature a frosted acrylic lens, 180˚ or 360˚ light distribution, and Cree® LEDs in 3000K warm white and 4000K neutral white. Helio Bollards with 3000K LEDs are approved by the International Dark-Sky Association to minimize light pollution. For expanded performance, the Helio family also includes Helio M40/K8 and M50/K12 Security Bollards 11.5" in diameter (Series 1200) and Helio M30/K4 Security Bollards 9.25" in diameter (Series 900), all in illuminated and non-illuminated designs.

MATERIAL & CONSTRUCTION DETAILS

CONFIGURATIONS

- Series 600 Helio Bollards are 40" high x 6" in diameter.
- Illuminated bollards are available with 180° and 360° light distribution options.
- Non-illuminated versions are also available.
- Series 600 Helio Bollards are available with an optional S10-P1 rated security core (illuminated or non-illuminated).

MATERIALS & FINISHES

- Illuminated bollards have a tubular stainless steel column, frosted acrylic lens, and a stainless steel head cap.
- Non-Illuminated bollards are tubular stainless steel with welded stainless steel cap.
- Stainless steel is standardwith a Satin finish and Ceramiloc treatment. See below for details.
- For optional powdercoat colors see the Forms+Surfaces Powdercoat Chart. Custom RAL colors are available for an upcharge.

LED LAMPS & DRIVER

- Custom LED light engine with Cree® LEDs.
- 3000K warm white and 4000K neutural white color temperatures.
- 424 lumen output.
- Less than 5% upward lumen output.
- LED driver input voltage is 120-277VAC, -30˚C minimum starting temperature.
- Driver has reverse-phase, forward-phase, and 0-10V dimming capabilities.
- LED driver certifications include: IP66 (waterproof) enclosure, and Class 2 rated output (UL8750).

INSTALLATION

- Standard mounting is surface mount.
- Security bollards have an embedded security core.
- Installation of a surge protector as part of each unit's wiring is recommended.
- Stainless steel mounting hardware sold separately. Templates are available upon request.

MAINTENANCE

- Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners.

CERAMILOC TREATMENT

Ceramiloc is an invisible surface treatment that offers significantly enhanced protection from weather and graffiti and increases the maintenance ease of stainless steel. Ceramiloc combines ceramic durability with an unparalleled ability to lock out water spots, fingerprints, graffiti and more. Patented technology bonds nano-silica particles to the surface of the stainless steel. The treatment minimally alters the surface appearance of the stainless and offers numerous benefits:

- Easily Cleaned: The Ceramiloc treatment creates a surface that simultaneously resists fingerprints and is easy to clean. Water spots, grease marks and more can be quickly wiped away. It also creates an “anti-graffiti” surface – even permanent marker is easily removed with a clean microfiber towel and water.
- Durable: Ceramiloc-treated materials are corrosion- abrasion- and scratch-resistant. The treatment is permanent, UV stable, and will not degrade or discolor over time. Salt spray testing per ASTM B117 showed no change after 240 hours.
- Environmentally Sound: The Ceramiloc treatment is a no-VOC, water-based process. Because Ceramiloc surfaces are so easily maintained, cleaning solutions and maintenance are kept to a minimum.

LIGHT ENGINE DESCRIPTIONS

LED ENGINE	LIGHT DISTRIBUTION	DRIVER	LUMINAIRE LUMENS*	B.U.G. RATINGS
3000K LED	360°	40W	424	B0-U1-G0
4000K LED	360°	40W	424	B0-U1-G0
3000K LED	180°	20W	158	B0-U1-G0
4000K LED	180°	20W	158	B0-U1-G0

*Luminaire lumens represents the absolute photometry for the luminaire, and indicates the lumens out of the entire fixture.

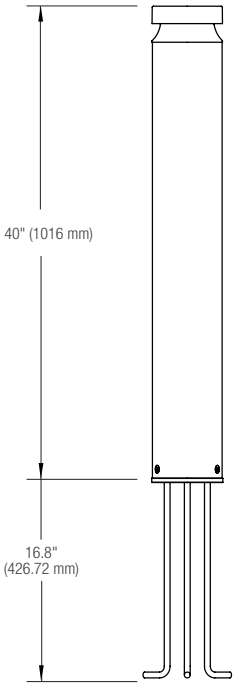
NOTE: Polar candela and isofootcandle plots can be found on the Helio Bollard, Series 600 product page on our website.

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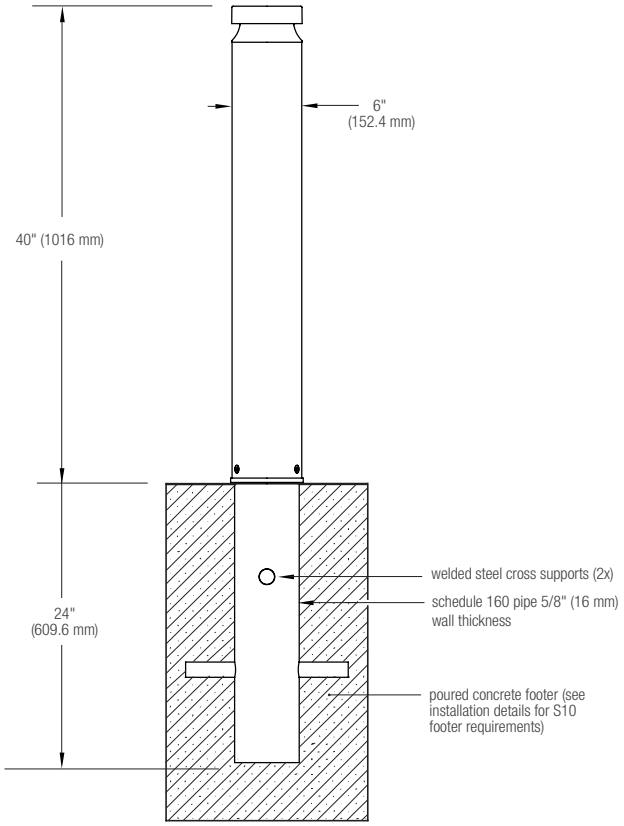
ILLUMINATED BOLLARDS

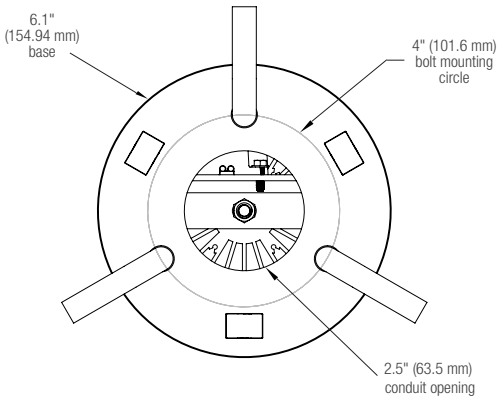
NOMINAL DIMENSIONS

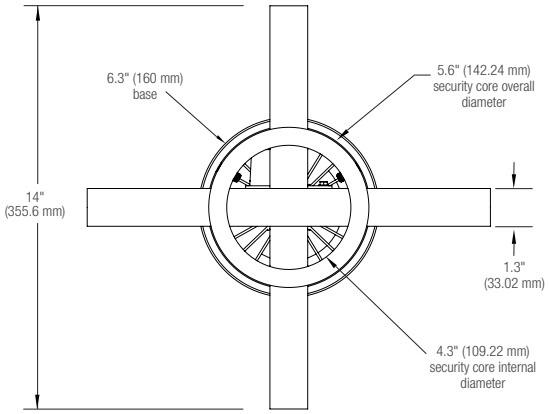
SURFACE MOUNT WITH J-BOLTS



EMBEDDED SECURITY CORE





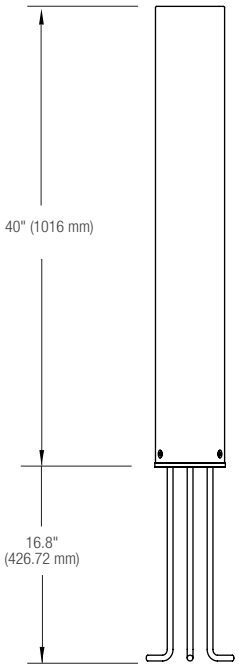


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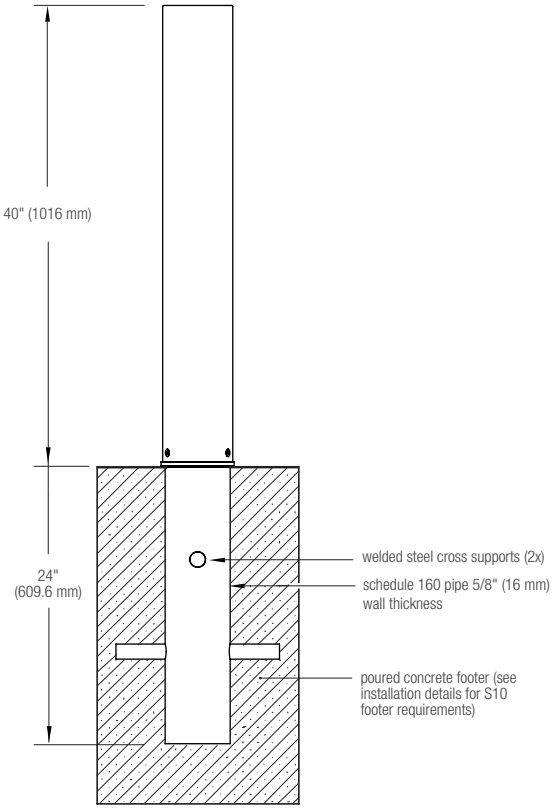
NON-ILLUMINATED BOLLARDS

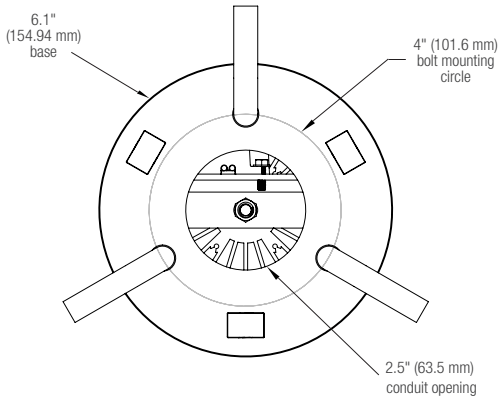
NOMINAL DIMENSIONS

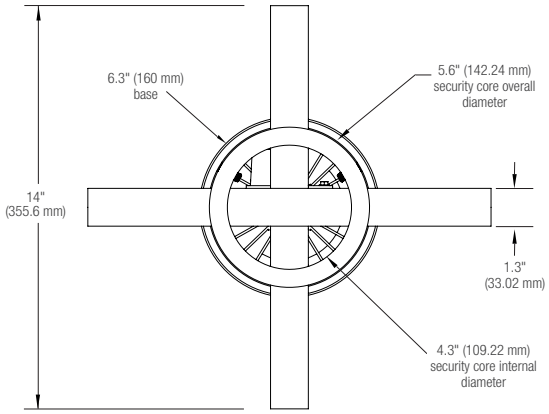
SURFACE MOUNT WITH J-BOLTS



EMBEDDED SECURITY CORE







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OPTIONAL SECURITY CORE

Site security is a major concern in today's unpredictable world. Public and private buildings, government facilities, campuses and public parks are all susceptible to accidental, as well as deliberate, vehicle infringement. Design professionals, city planners, facilities managers and engineers must now be increasingly sensitive to the safety and security requirements of public and private spaces. Security bollards placed at ingress points are an excellent way to guard against vehicle infringement while allowing pedestrian access.

Most security bollards have taken the form of generic pipes and cylinders that offered little in the way of design or lighting functionality. An integral security solution is available as an optional enhancement to Forms+Surfaces' Helio lighting bollards. By adding a pre-engineered and fully-tested security core to the existing Helio design, we can offer a beautiful and efficient lighting bollard that also meets the stringent hi-impact crash requirements normally attained only with unattractive pipe barriers.

Helio S10-P1 security bollards have been tested using a Finite Element Analysis (FEA) by a professional engineering consultant. FEA is a software-based tool commonly used in the automotive industry and used extensively for crash test simulations. Tests were performed using our bollard set in permanent concrete footings and struck by a vehicle at a 90 degree impact. The impact simulation found the bollards to be successful in stopping a 5,000 lb. small passenger vehicle going 10 mph with less than one meter penetration.

Our permanently embedded security cores are available for both illuminated and non-illuminated bollards. Please contact us to discuss design and installation considerations for Helio bollards with security cores.

CERTIFICATION

- ETL and C-ETL listed for wet locations.
- Helio Bollard 3000K is International DarkSky Approved

ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Helio Bollard, Series 600 Environmental Data Sheets for detailed environmental impact information.
- Metal components have a long life cycle and are 100% recyclable.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
LBHLO-603	Helio Bollard, Series 600, illuminated
LBHLO-603-N	Helio Bollard, Series 600, non-illuminated

PRODUCT OPTIONS

The following options are available for an upcharge

Add powdercoat color from Forms+Surfaces Powdercoat Chart	Upgrade to embedded security core
Custom RAL powdercoat color	Add stainless steel mounting hardware

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LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, finish, color temperature, and light distribution option. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.

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Type: OE
BEGA Product:
Project:
Modified:

Application
LED recessed wall luminaire with asymmetrical light distribution for the illumination of ground surfaces, building entrances, stairs and footpaths.

Materials
Luminaire housing constructed of die-cast aluminum marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
Clear safety glass
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Stainless steel screw clamps
Composite installation housing

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 1.5 lbs

Electrical

Operating voltage	120-277 V AC
Minimum start temperature	-40° C
LED module wattage	4.1 W
System wattage	6.0 W
Controlability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	231 lumens (3000K)
LED service life (L70)	60,000 hours

LED color temperature

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

Wildlife friendly amber LED - Optional
Luminaire is optionally available with a narrow bandwidth, amber LED source (585-600nm) approved by the FWC. This light output is suggested for use within close proximity to sea turtle nesting and hatching habitats. Electrical and control information may vary from standard luminaire.

LED module wattage	3.6 W (Amber)
System wattage	4.6 W (Amber)
Luminaire lumens	56 lumens (Amber)

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

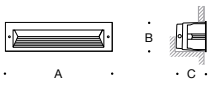


Fully enclosed luminaire with installation housing ensures seamless integration and weathertight operation.

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 recessed wall luminaires · asymmetrical

	LED	A	B	C
33053	4.1 W	6 5/8	2 3/4	5

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

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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