Wauwatosa, WI

Design Review Board

Meeting Agenda - Final

7725 W. North Avenue
Wauwatosa, WI 53213

Thursday, December 18, 2025 **7:00 PM** **Committee Room #1**

ROLL CALL

NEW BUSINESS

1. 1615 Wauwatosa Avenue - St. Matthews - Windows **25-2340**
2. 2400 N Mayfair Rd -Return to Board - Mayfair Mall Phase A - New Multi-Family **25-2090**
3. 2825-2835 N Mayfair Rd - Return to Board - Latitude 43 - New Multi-Family **25-2343**
4. 8701 Watertown Plank Rd - The Commons at MCW - New Graduate Housing **25-2344**

ADJOURNMENT

NOTICE TO PERSONS WITH A DISABILITY
Persons with a disability who need assistance to participate in this meeting should call the City Clerk's office at (414) 479-8917 or send an email to tclerk@wauwatosa.net, with as much advance notice as possible.

File #: 25-2340 **Agenda Date:** 12/18/2025 **Agenda #:** 1.

1615 Wauwatosa Avenue - St. Matthews - Windows

St. Matthew’s Proposed Window Replacements 2026

Exterior of St. Matthew’s Church South Side





Exterior of St. Matthew’s Church South Side





Exterior of South Side classrooms and offices



Interior of South Side classrooms and offices



- We do not have air conditioning in this part of the building.
- The reason for changing from a casement to a hung window is that we had to create a makeshift set-up (pictured) to allow us to install temporary A/C units in each divider room
- The frames need to be drilled into the window frames to stay in place. The window sills are now deteriorated and are falling apart.



- This is another view of a different window *without* the wood piece above. The wood piece covers the entire window for two reasons.
- 1. The top portion is open to the elements and eliminates the positive effect of the air conditioning.
- 2. Safety feature to stop entry from the outside.



- By installing hung windows, we can bring hung windows down to the A/C openings while providing security inside the building.

Exterior of St. Matthew’s Church, South Side





SW Corner of Building from Parking Lot





West Side of Church





West Side of Church





North Side of Church





North Side of Church





Parking lot view of adjacent middle school to the north.





Parking lot view of United Methodist to the south.



- This is a view of the windows facing the south side classrooms at St. Matthews.
- These are single-hung windows installed in 2004.

Exterior of East High School NE Corner (Wauwatosa Ave)





SE Corner & Across the Street (Wauwatosa AV)





Front View of Church (Wauwatosa AV)





Front View of Church (Wauwatosa AV)





File #: 25-2090 **Agenda Date:** 12/18/2025 **Agenda #:** 2.

2400 N Mayfair Rd -Return to Board - Mayfair Mall Phase A - New Multi-Family

MAYFAIR MALL

DESIGN REVIEW BOARD PRESENTATION

DECEMBER 18 , 2025

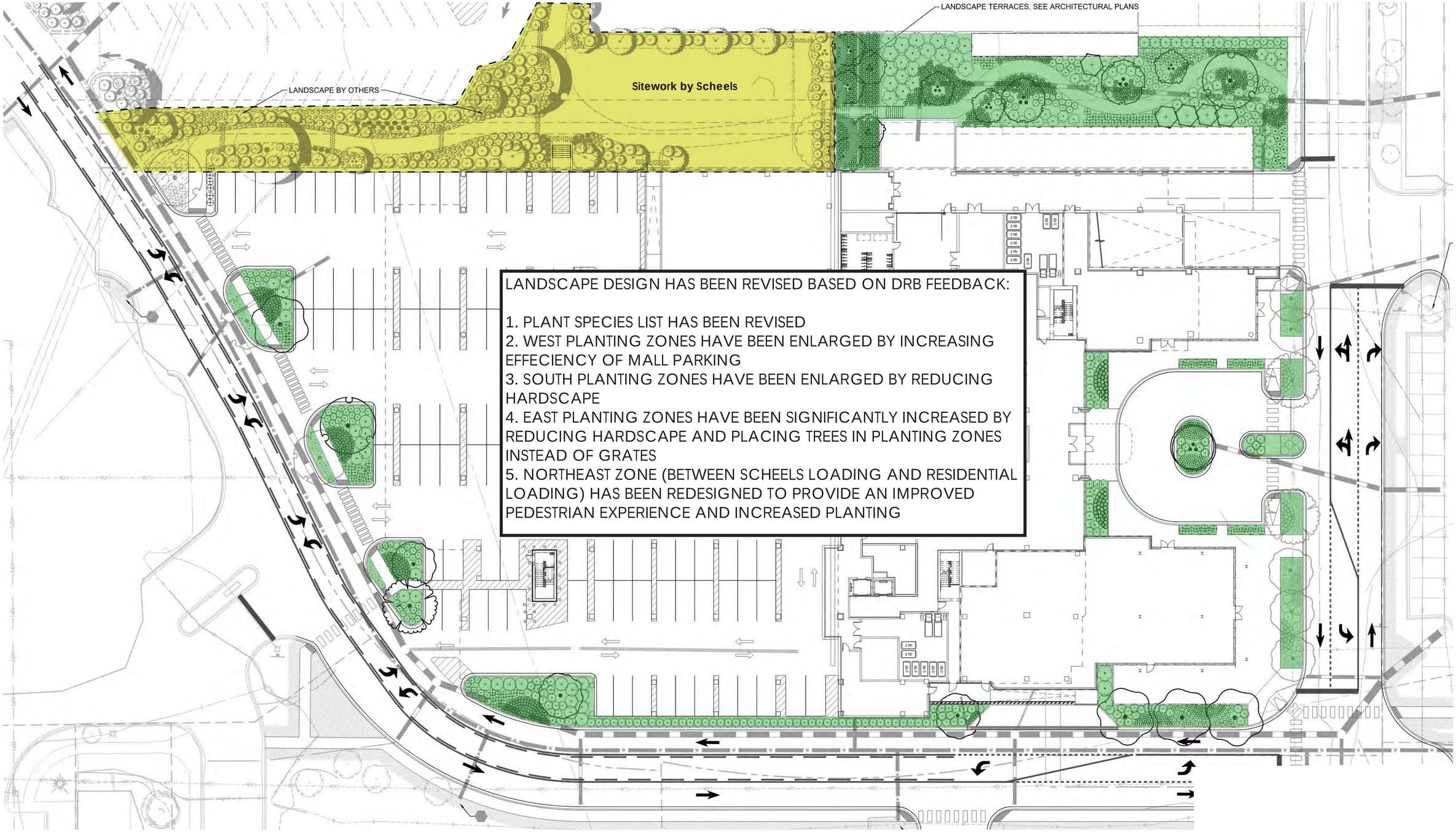

STOP
STOP
STOP

PREVIOUS DESIGN REVIEW BOARD COMMENTS
NOVEMBER 6, 2024

BOARD COMMENTS:

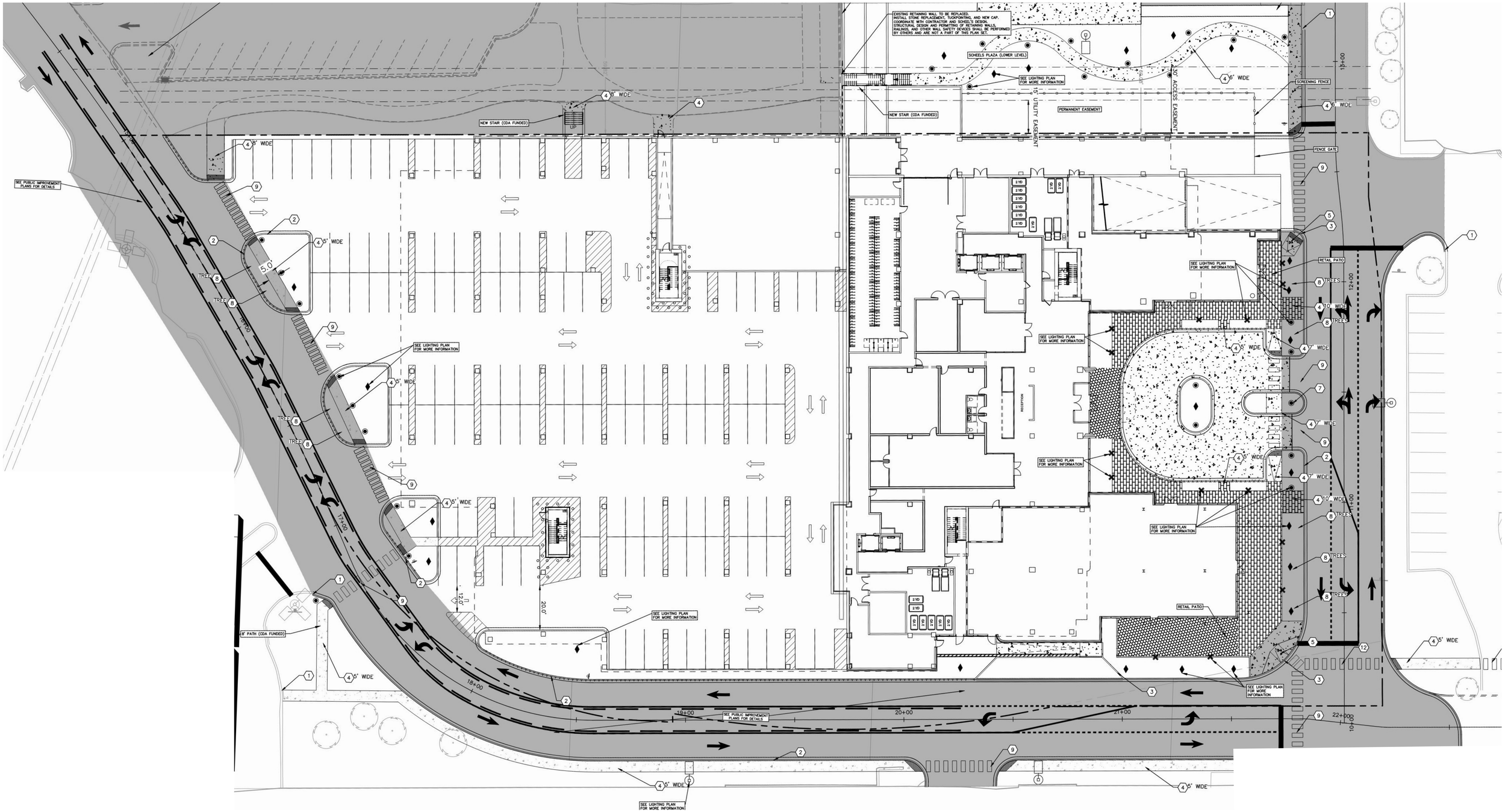
1. Final Landscape plan
2. Mechanical screening as required
3. Area of site between proposed project and mall
4. Detail of glass adjacent to parking structure

ITEM #1: UPDATED LANDSCAPE DESIGN



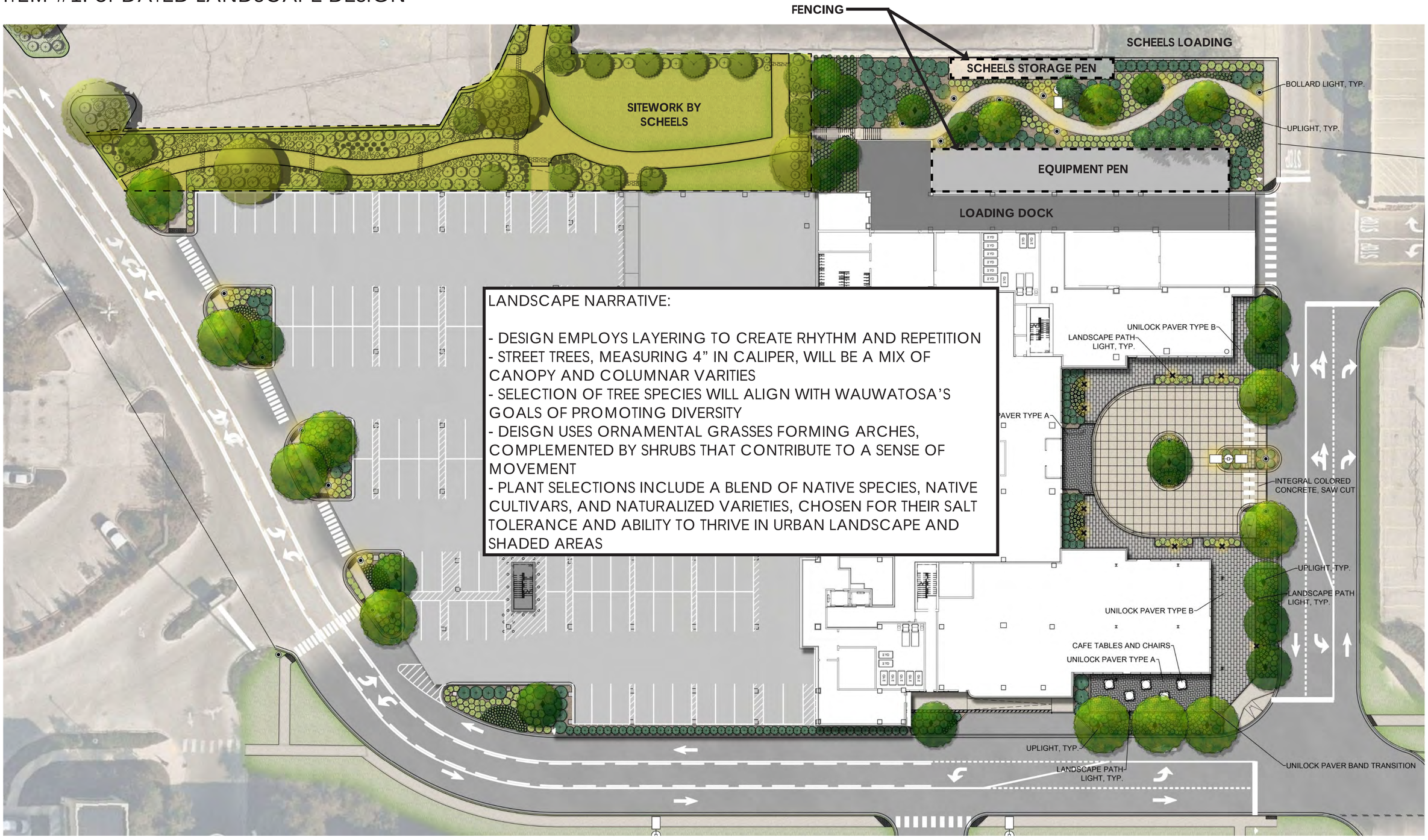
BLVD | ktgy

ITEM #1: UPDATED LANDSCAPE DESIGN



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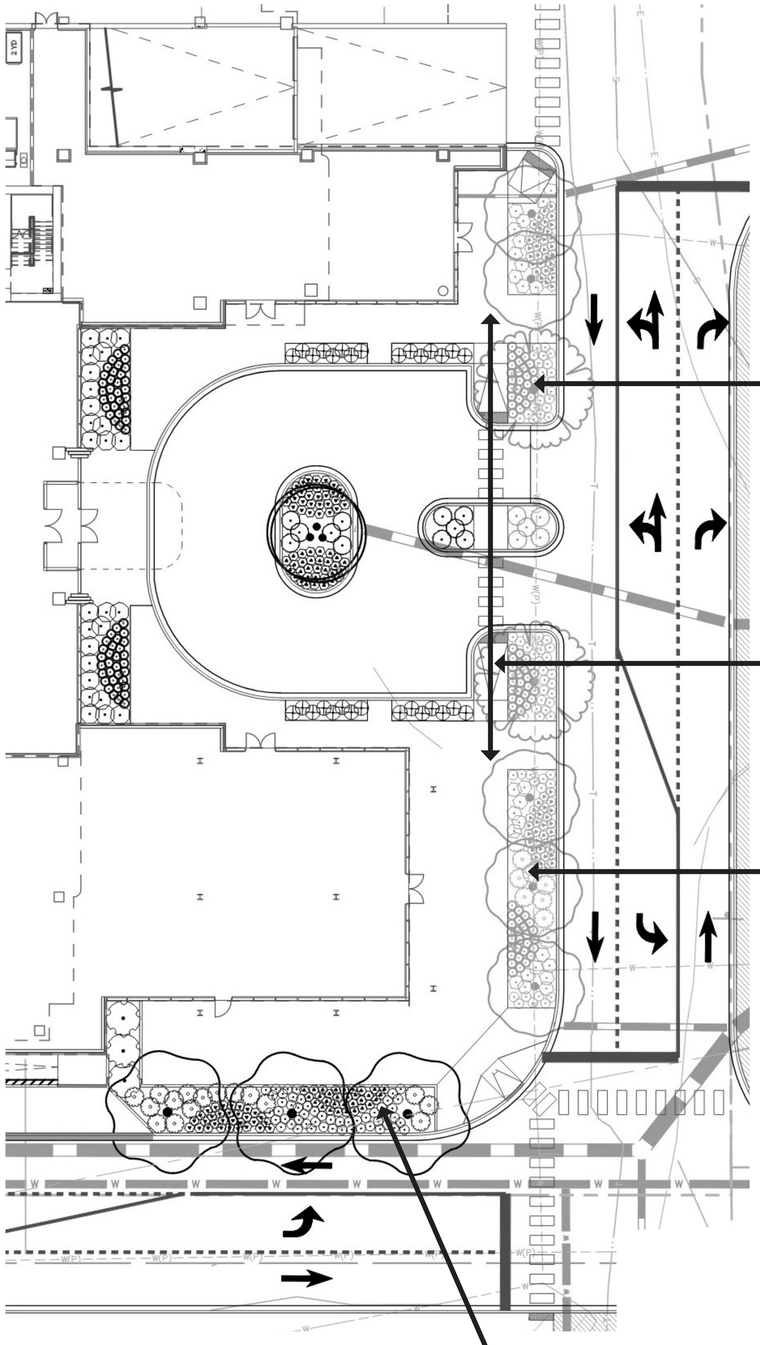


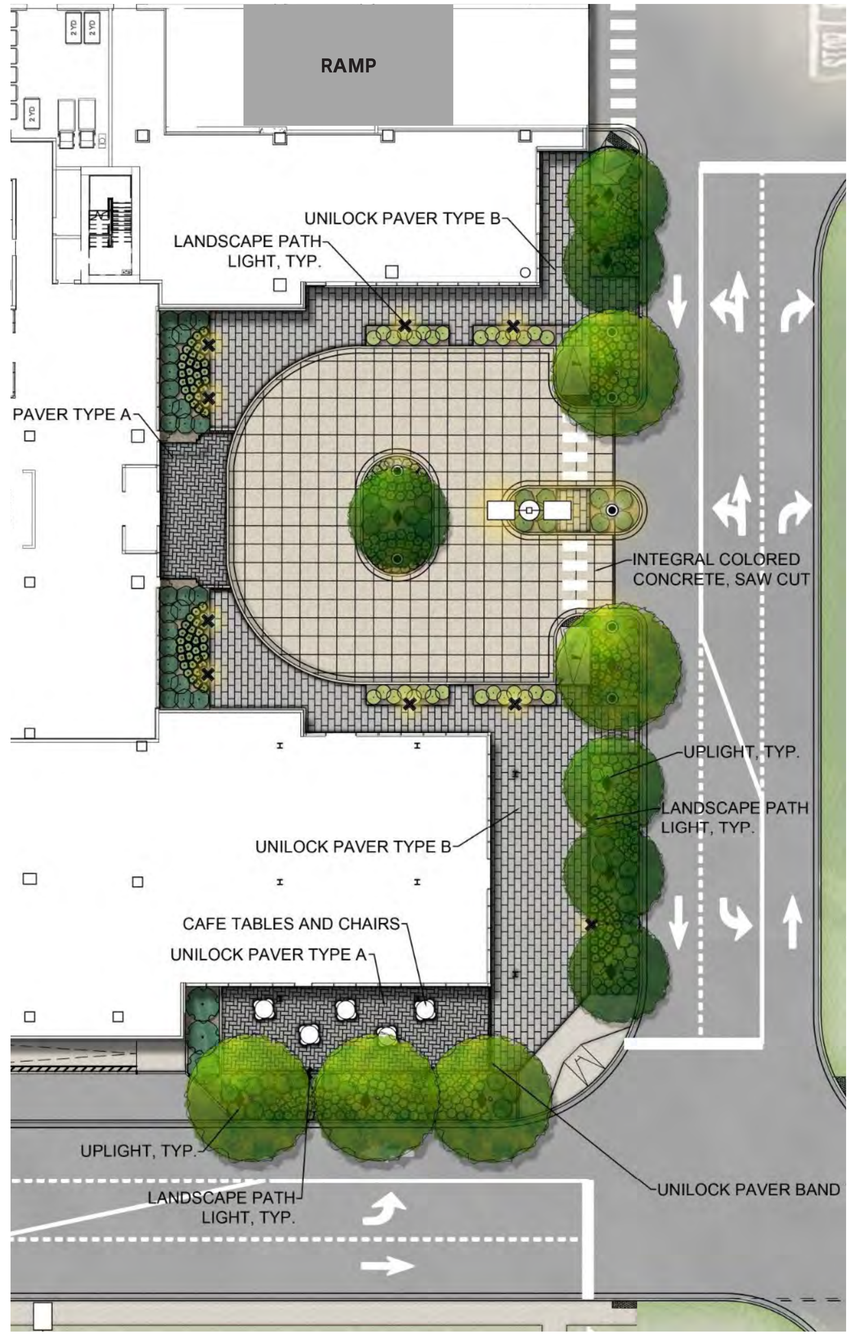
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ITEM #1: UPDATED LANDSCAPE DESIGN

PLANT SCHEDULE

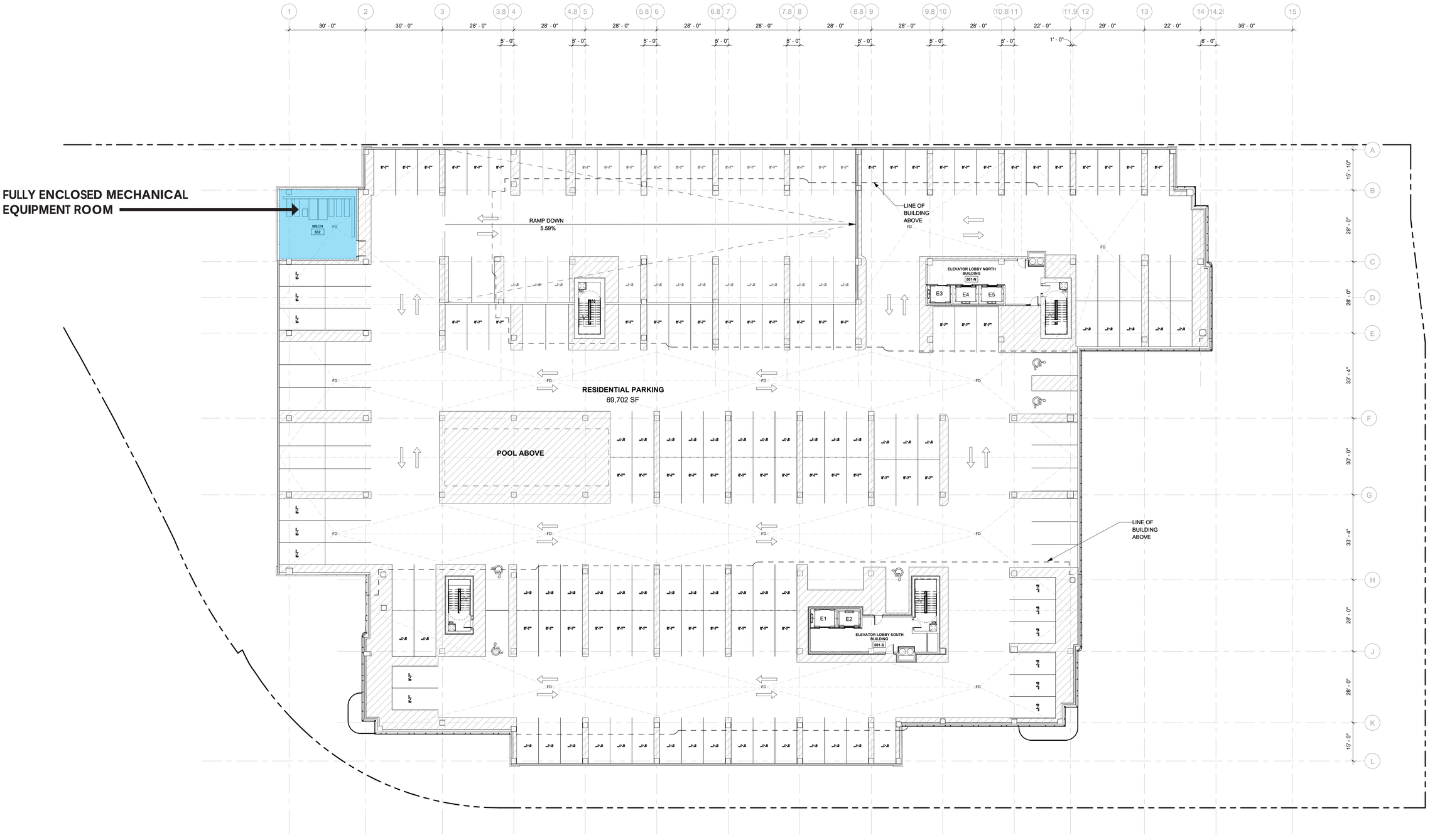
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME
CANOPY TREES			
	AR	1	ACER RUBRUM 'AUTUMN FLAME' / AUTUMN FLAME RED MAPLE
	BN	2	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK
	QM	2	QUERCUS MACROCARPA / BURR OAK
	QS	3	QUERCUS ROBUR 'FASTIGIATA' / SKYROCKET® ENGLISH OAK
	UC	4	ULMUS X 'FRONTIER' / FRONTIER ELM
LOW EVERGREEN TREES			
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ORNAMENTAL TREE			
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	CA3	8	CORNUS ALTERNIFOLIA / PAGODA DOGWOOD
SYMBOL	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**
SHRUBS			
	AM	34	ARONIA MELANOCARPA `MORTON` / IROQUOIS BEAUTY™ BLACK CHOKEBERRY
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	CA	11	CEANOTHUS AMERICANUS / NEW JERSEY TEA
	CB	30	CALLICARPA X 'NCCX2' / PEARL GLAM® BEAUTYBERRY
	CS	26	CORNUS STOLONIFERA 'ARCTIC FIRE' / ARCTIC FIRE RED TWIG DOGWOOD
	DI	122	DIERVILLA X SPLENDENS 'EL MADRIGAL' / FIREFLY NIGHTGLOW BUSH HONEYSUCKLE
	FN	74	FORSYTHIA X INTERMEDIA 'NIMBUS' / SHOW OFF® SUGAR BABY® DWARF FORSYTHIA
	IV	21	ITEA VIRGINICA / VIRGINIA SWEETSPIRE
	MY	12	MYRICA GALE / SWEETGALE
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	VA	18	VIBURNUM DENTATUM 'CHRISTOM' / BLUE MUFFIN® ARROWWOOD VIBURNUM
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	JB	51	JUNIPERUS SCOPULORUM 'BLUE ARROW' / BLUE ARROW JUNIPER
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ITEM #2: MECHANICAL SCREENING
LEVEL 5

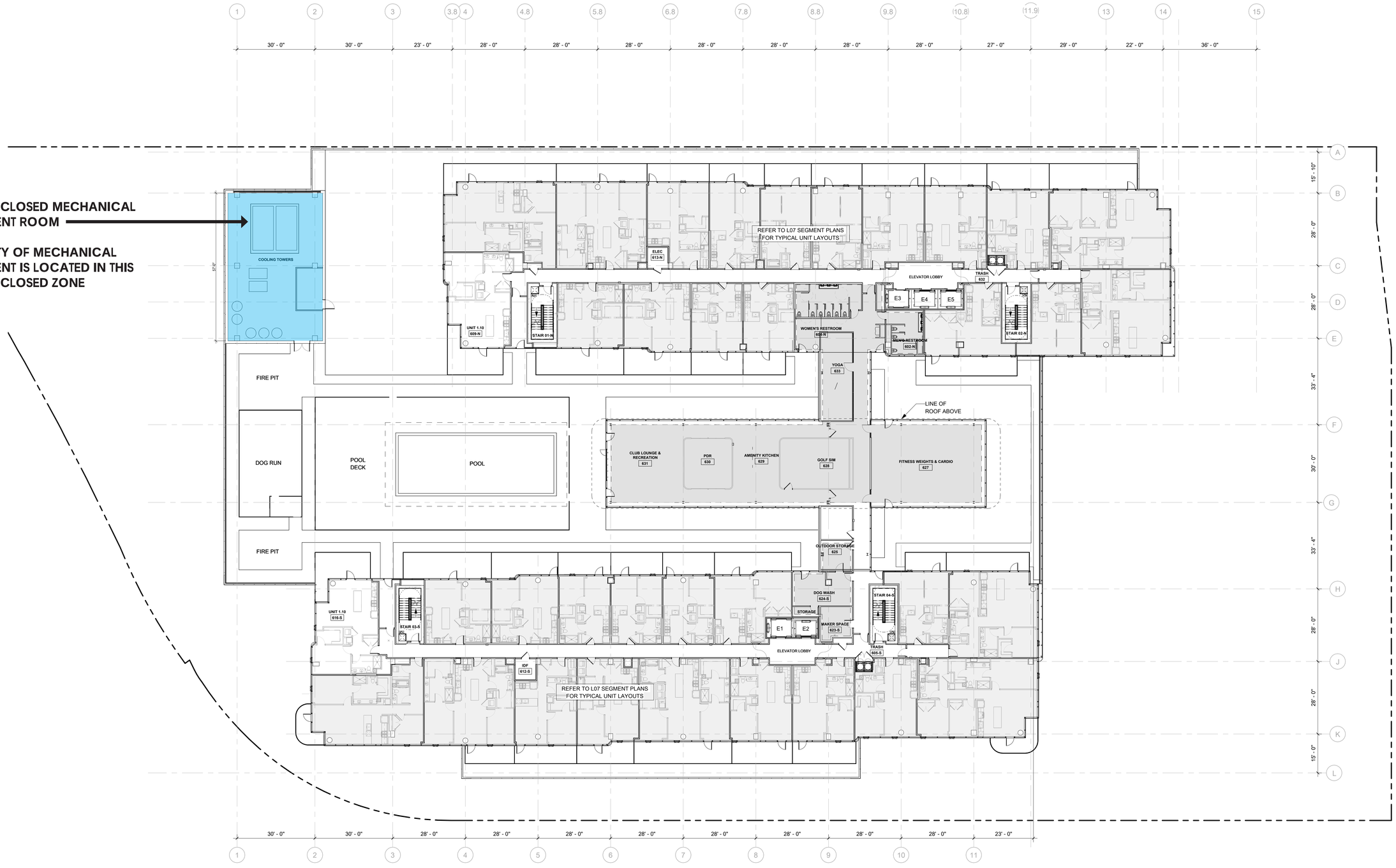


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ITEM #2: MECHANICAL SCREENING
LEVEL 6

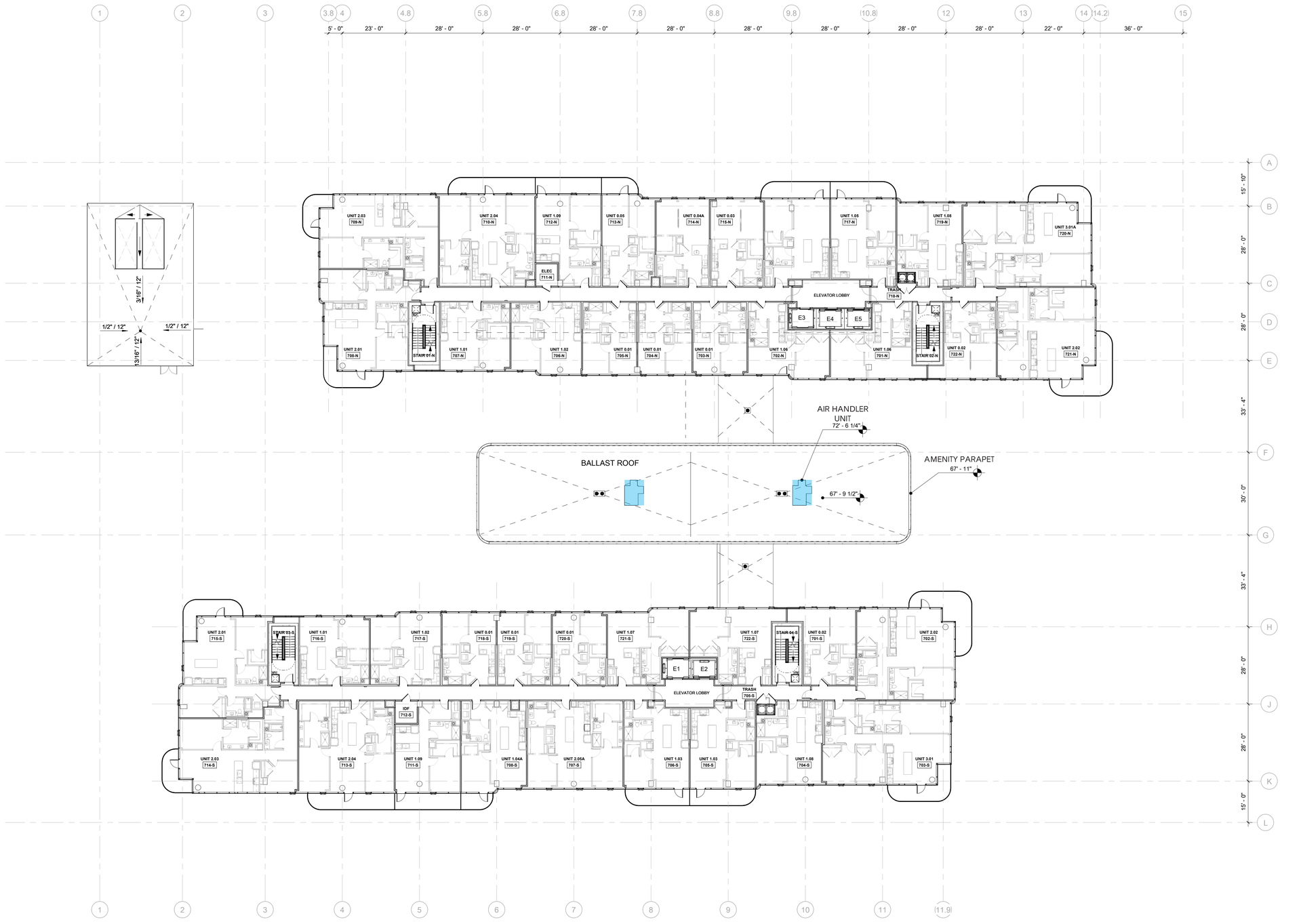
FULLY ENCLOSED MECHANICAL EQUIPMENT ROOM

MAJORITY OF MECHANICAL EQUIPMENT IS LOCATED IN THIS FULLY ENCLOSED ZONE



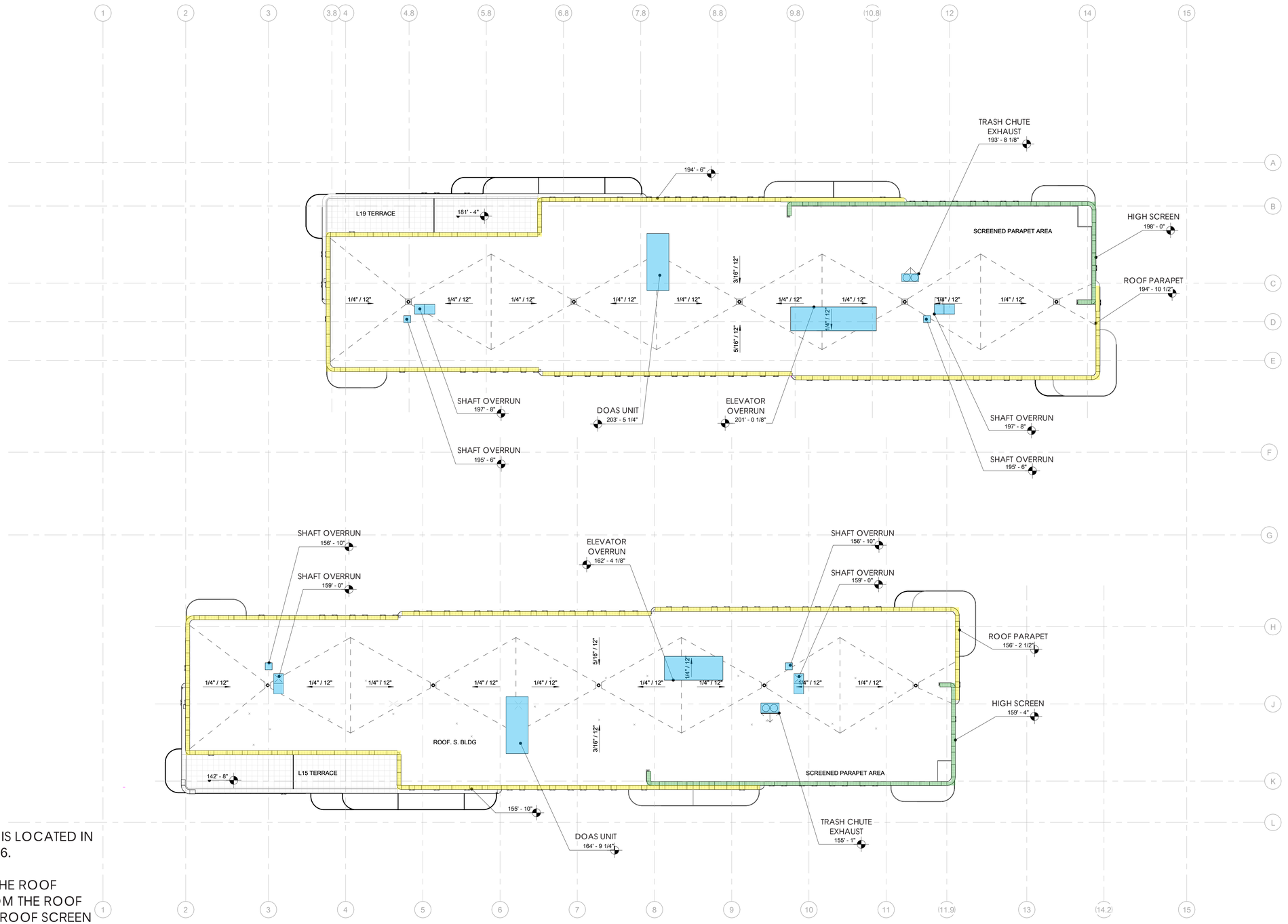
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ITEM #2: MECHANICAL SCREENING
LEVEL 7



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ITEM #2: MECHANICAL SCREENING
ROOF PLAN

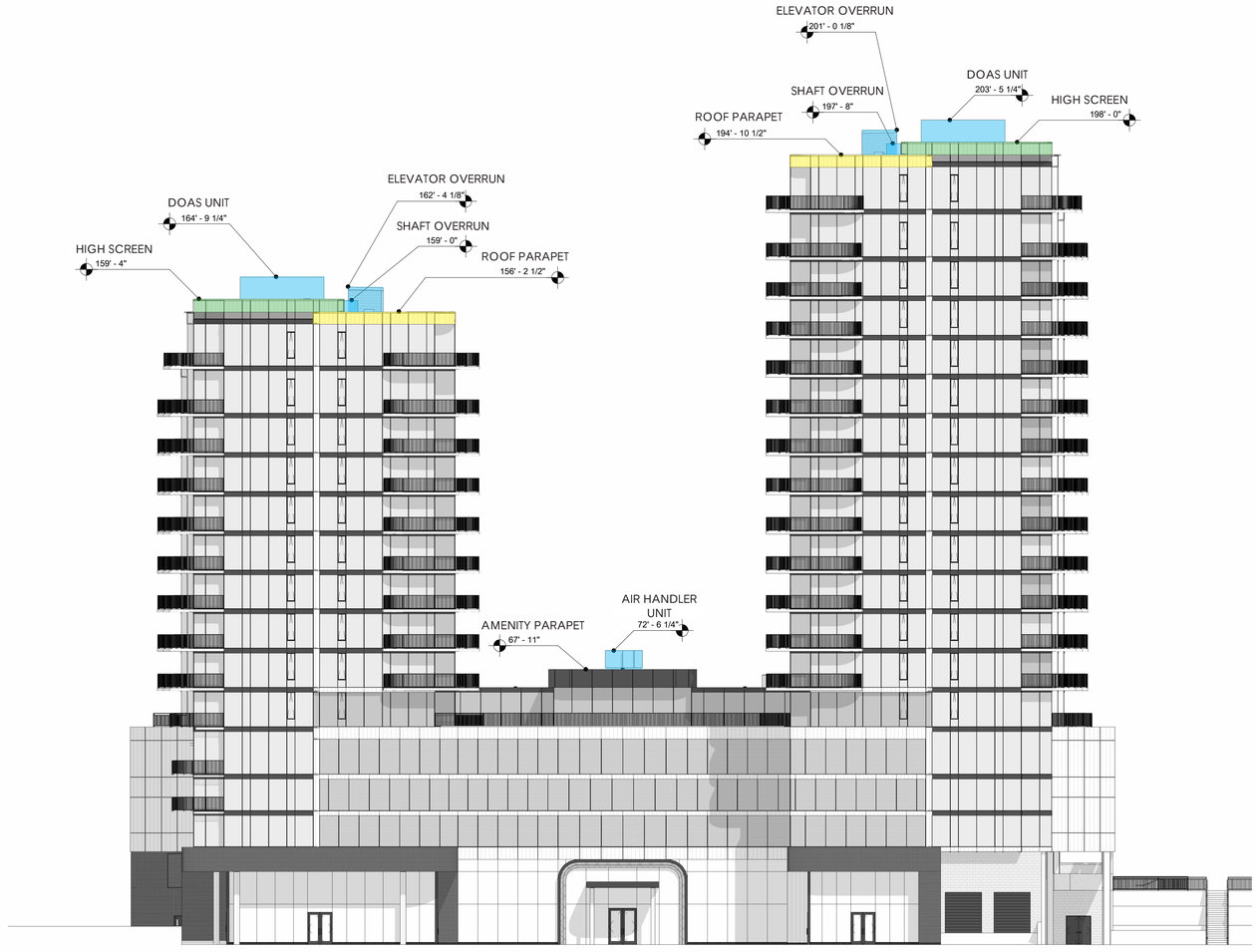


MOST MECHANICAL EQUIPMENT IS LOCATED IN AN ENCLOSED ROOM ON LEVEL 6.

THE ELEMENTS THAT WILL BE ON THE ROOF HAVE BEEN LOCATED AWAY FROM THE ROOF EDGE TO MINIMIZE VIEW, AND A ROOF SCREEN HELPS BLOCK PARTICULAR VIEW ANGLES.

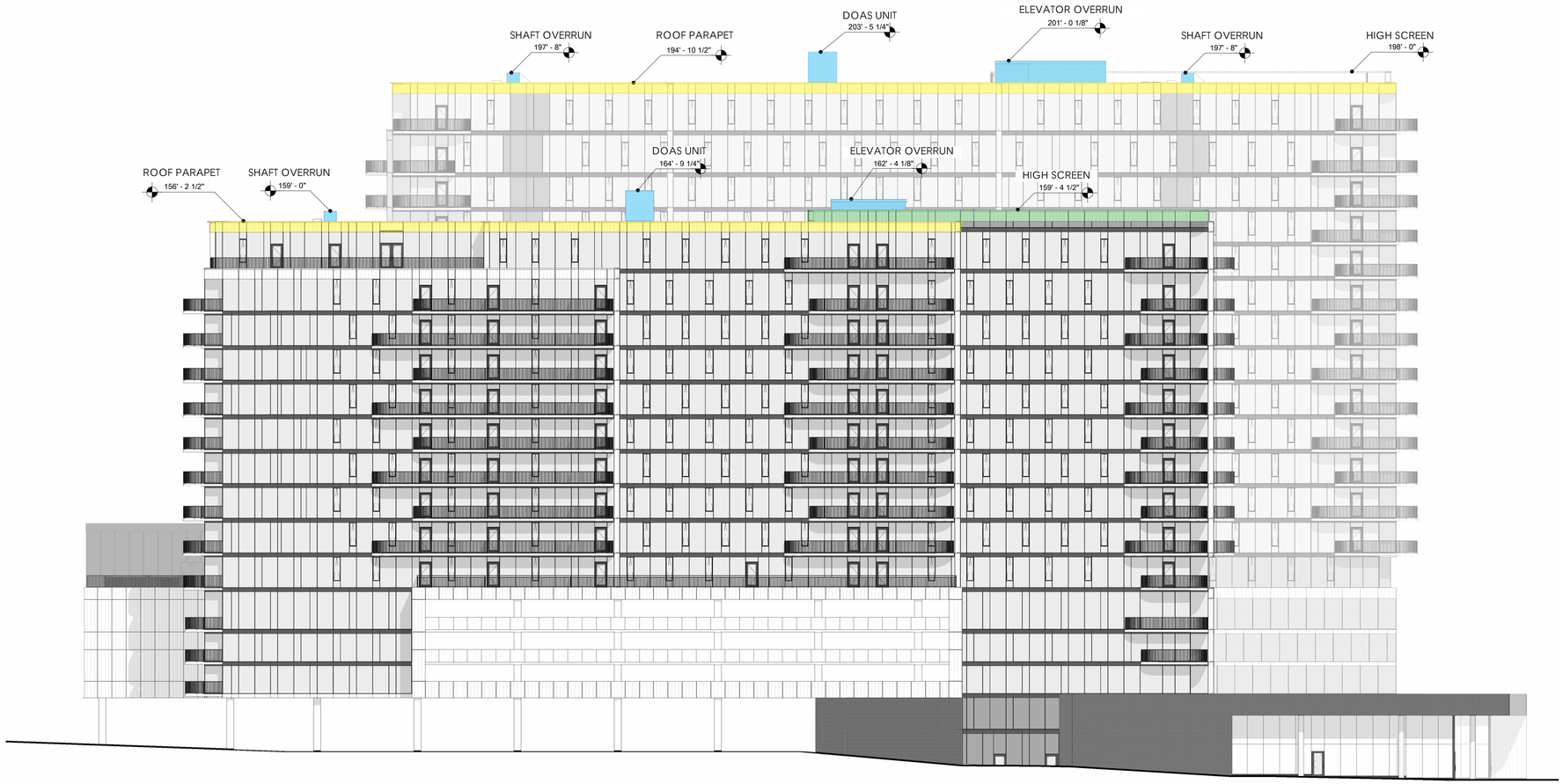
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ITEM #2: MECHANICAL SCREENING
OVERALL EAST ELEVATION



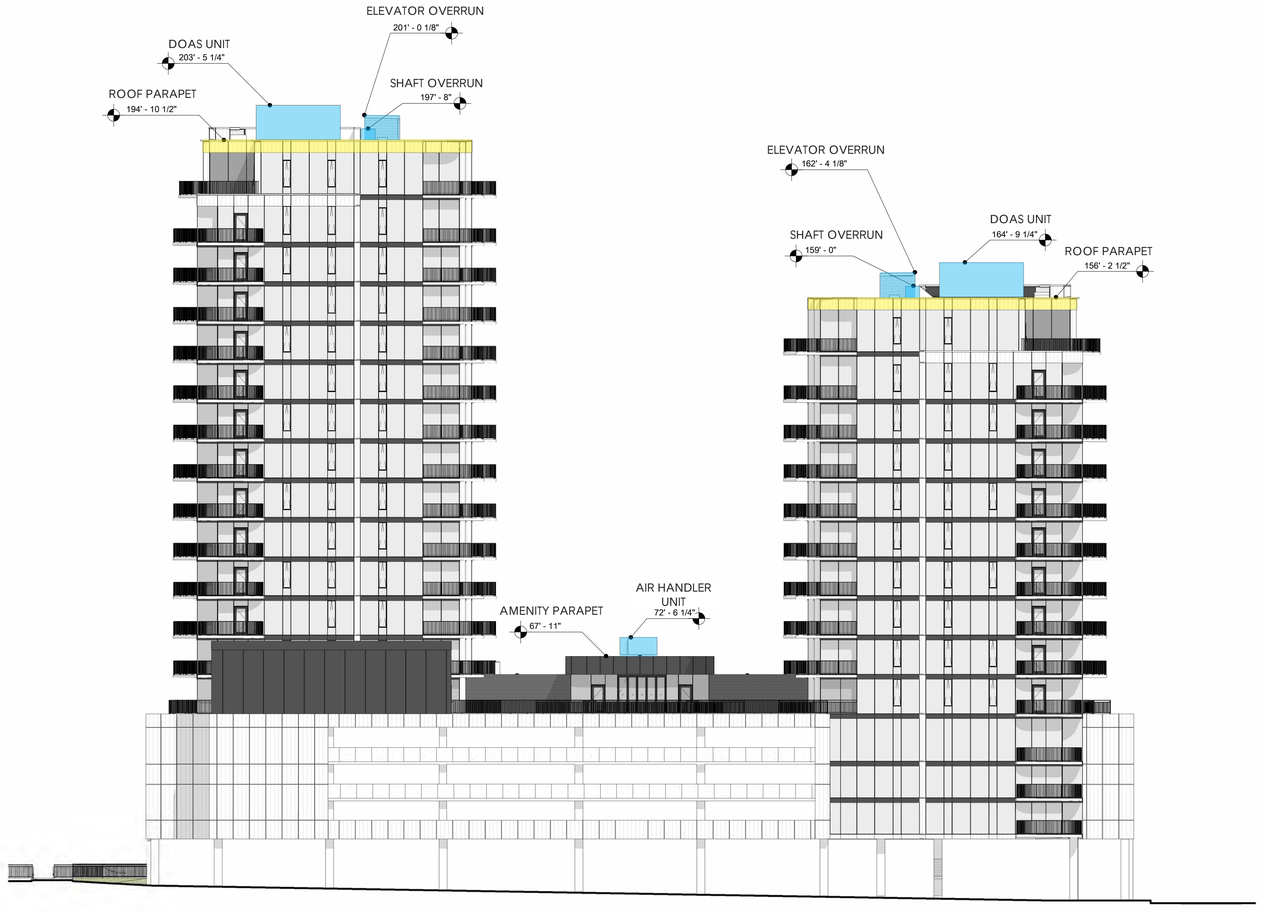
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ITEM #2: MECHANICAL SCREENING
OVERALL SOUTH ELEVATION



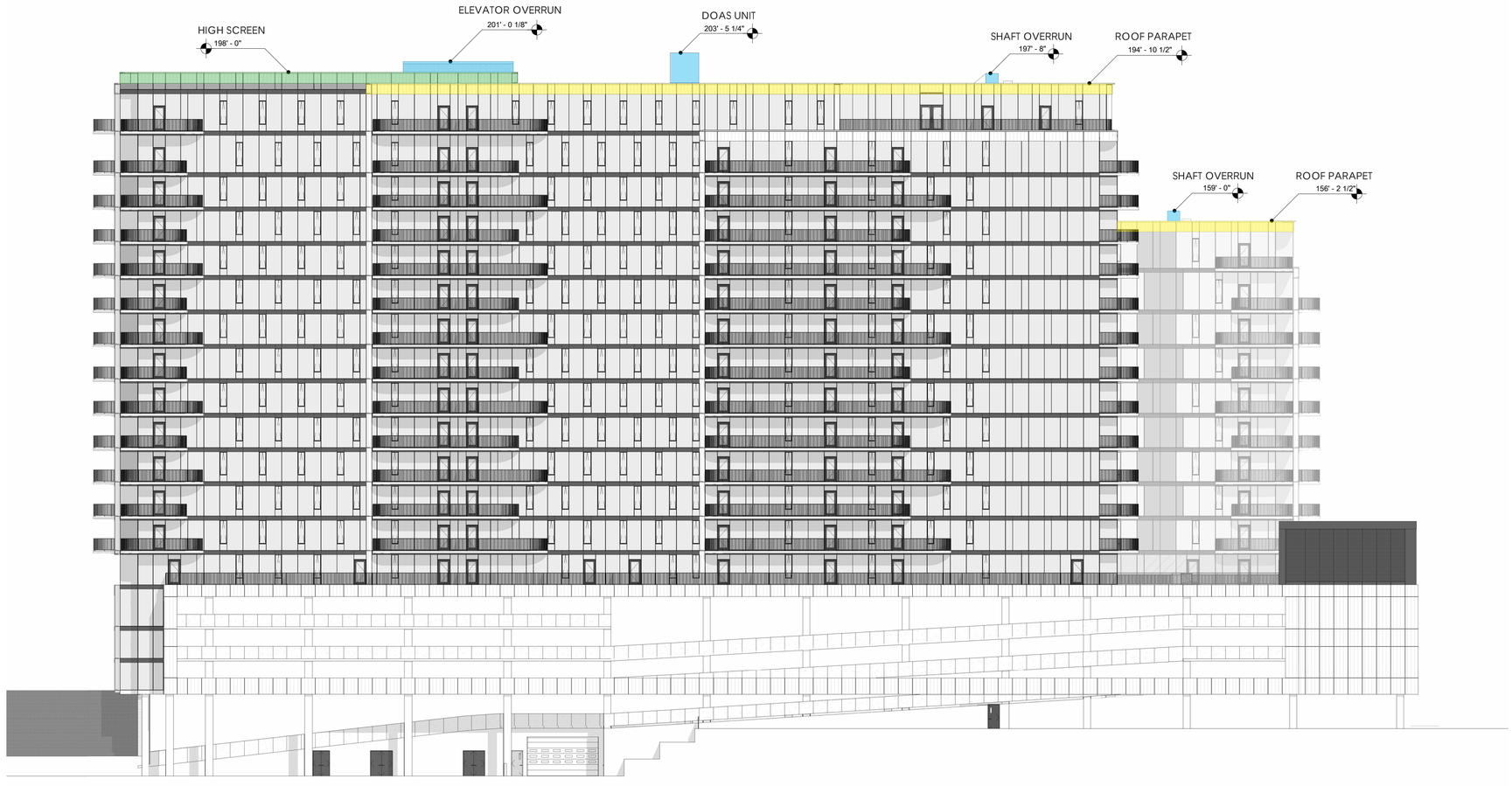
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ITEM #2: MECHANICAL SCREENING
OVERALL WEST ELEVATION



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ITEM #2: MECHANICAL SCREENING
OVERALL NORTH ELEVATION

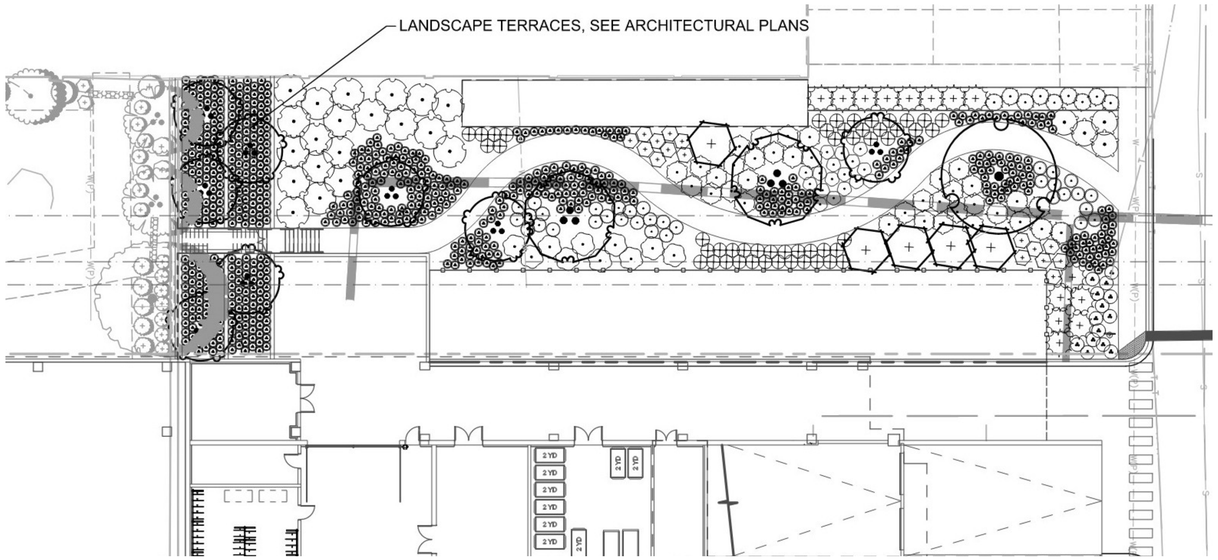


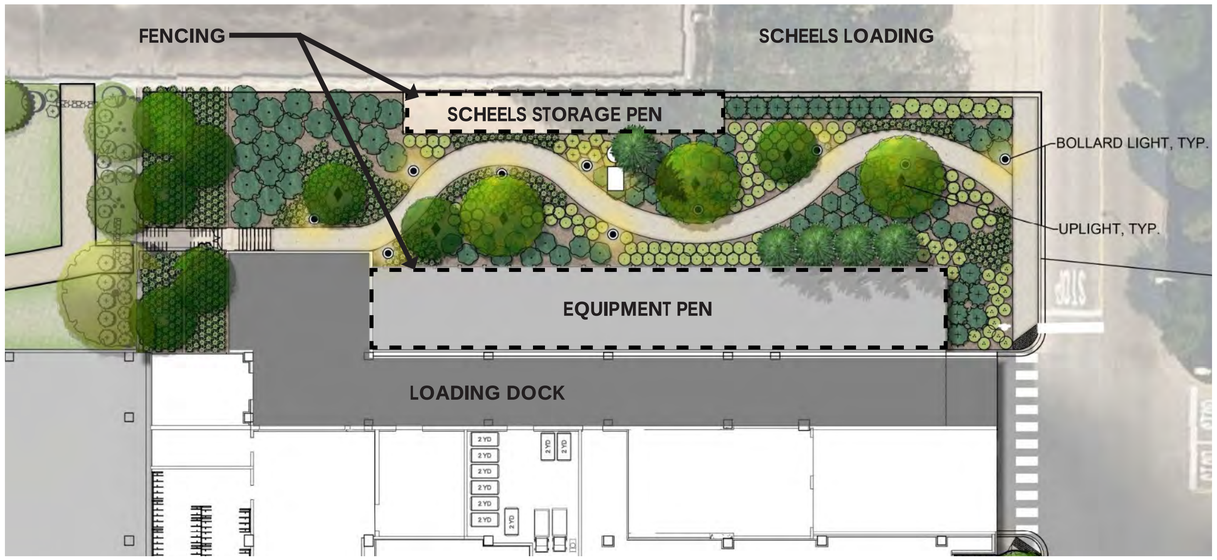
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ITEM #3: UPDATED NORTH PATHWAY

REVISED DESIGN INCORPORATES CURVED WALKWAY, ADDITIONAL PLANTING AND LIGHTING, AND SCREENING OF SCHEELS LOADING.

WE ARE WORKING WITH SCHEELS TO PROVIDE A COHESIVE LAND-SCAPE FEEL WITH THE UPPER LANDSCAPE ZONE TO THE WEST, WHILE SELECTING SPECIES THAT CAN SURVIVE IN THIS AREA.



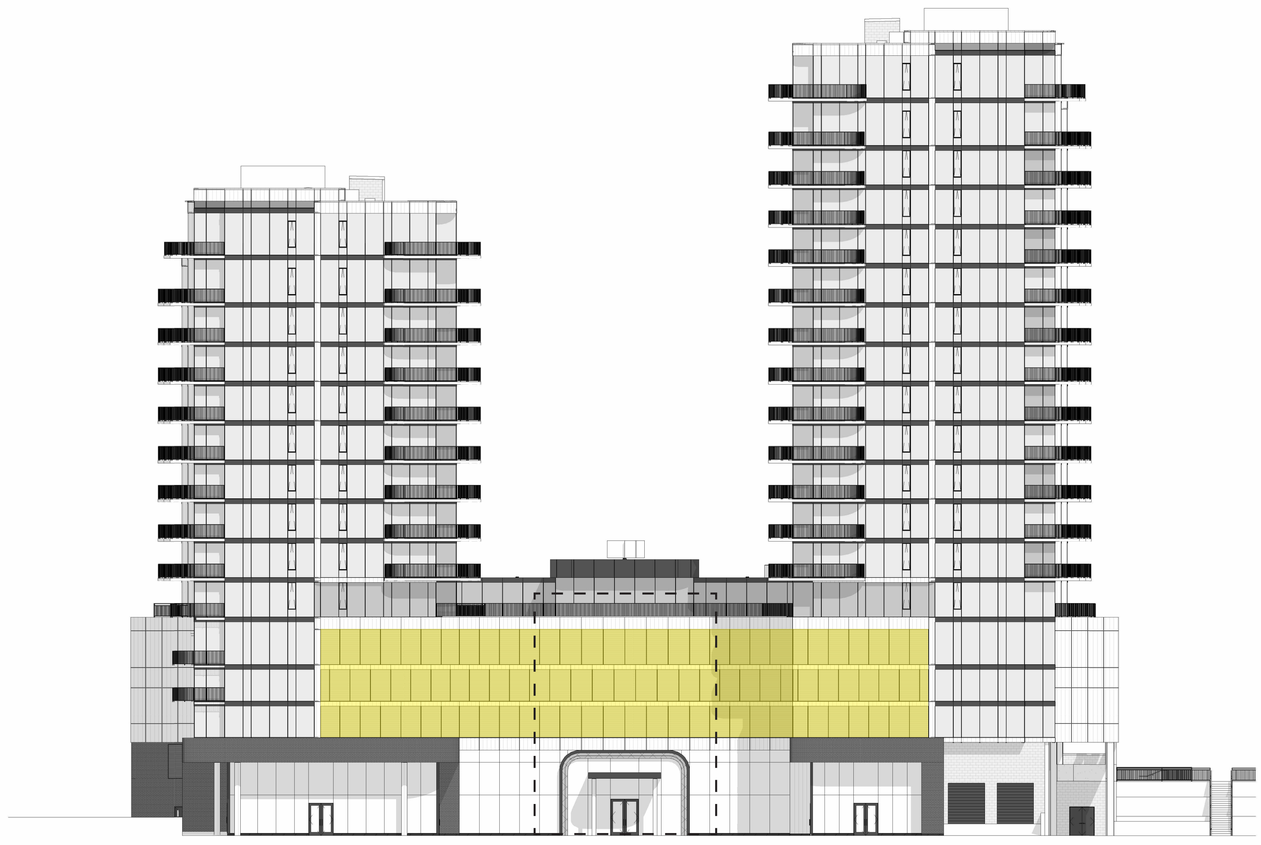


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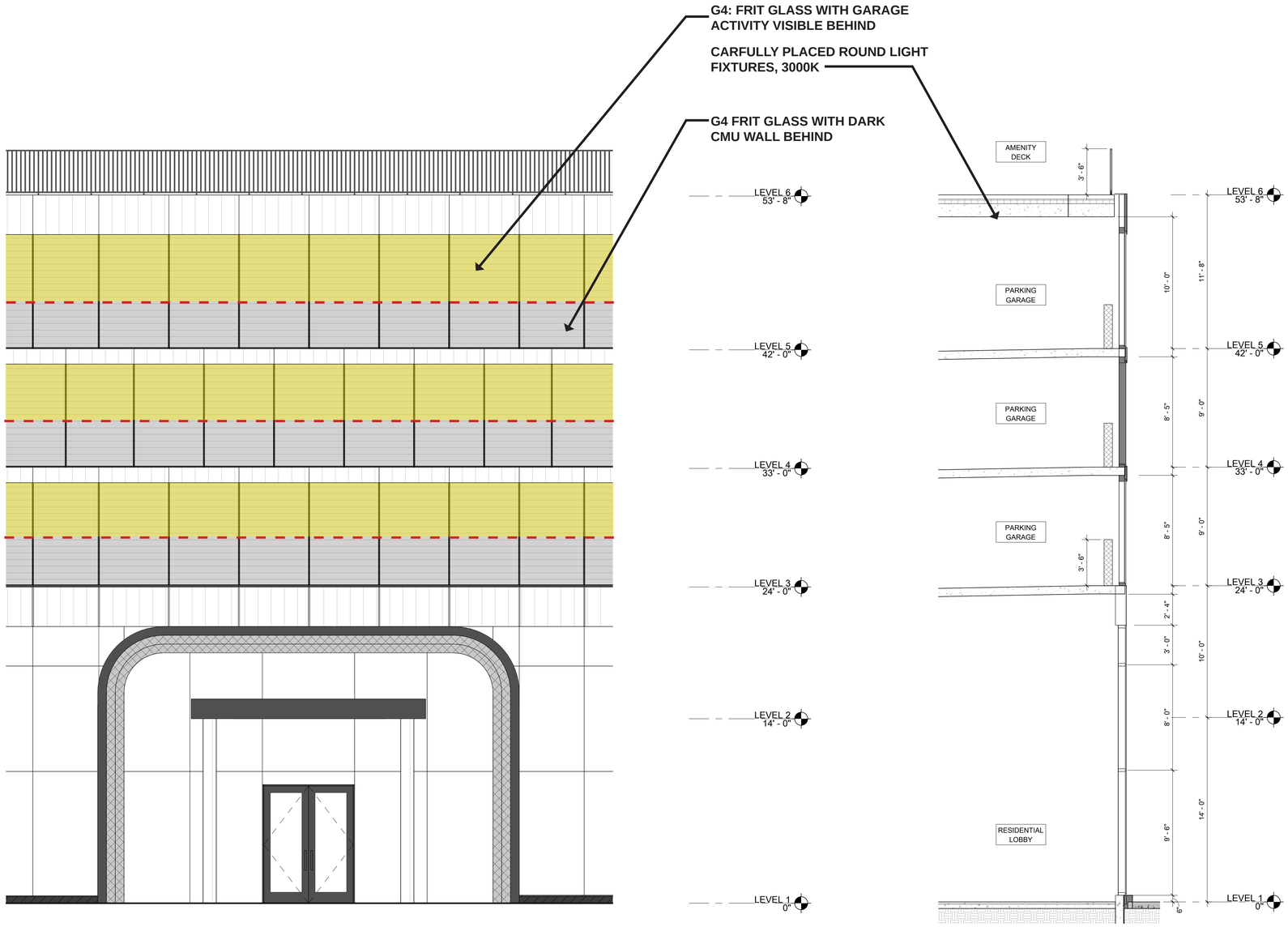
BLVD | ktgy

ITEM #4: PARKING GARAGE GLASS
OVERALL EAST ELEVATION



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ITEM #4: PARKING GARAGE GLASS
EAST ELEVATION

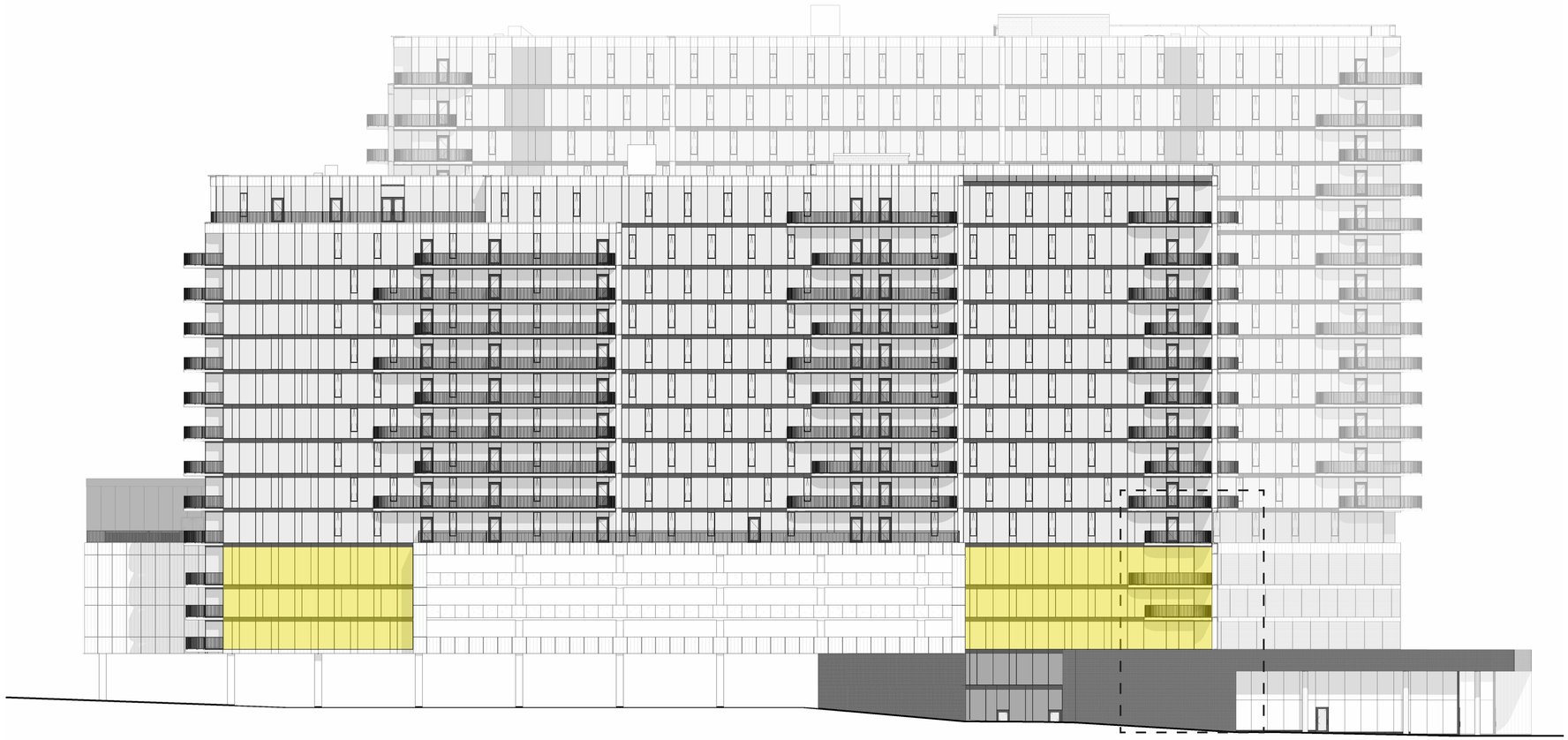


G4

Insulated Glazing Unit
CSG LB51 w/ frit

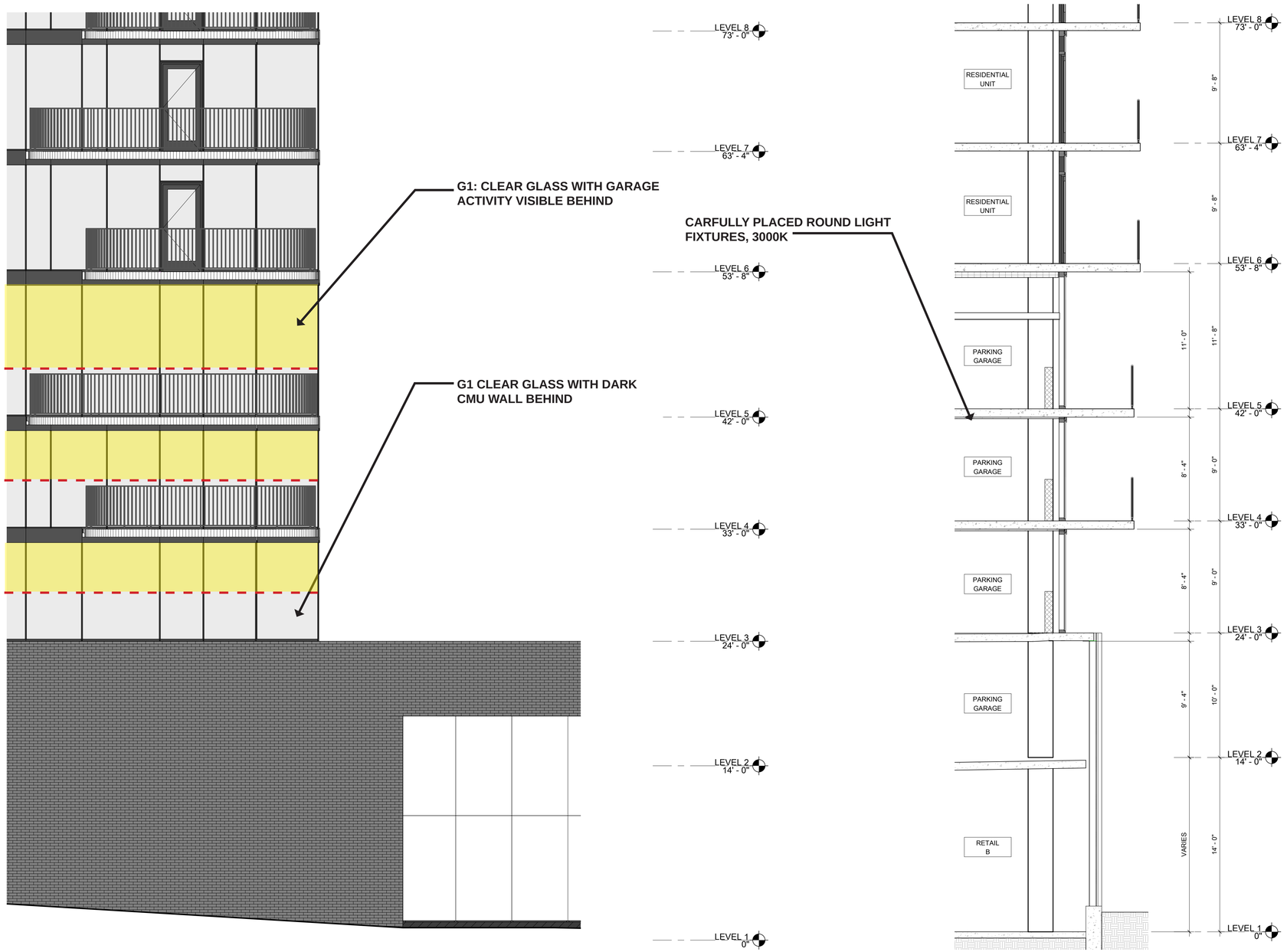
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ITEM #4: PARKING GARAGE GLASS
OVERALL SOUTH ELEVATION



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ITEM #4: PARKING GARAGE GLASS
SOUTH ELEVATION



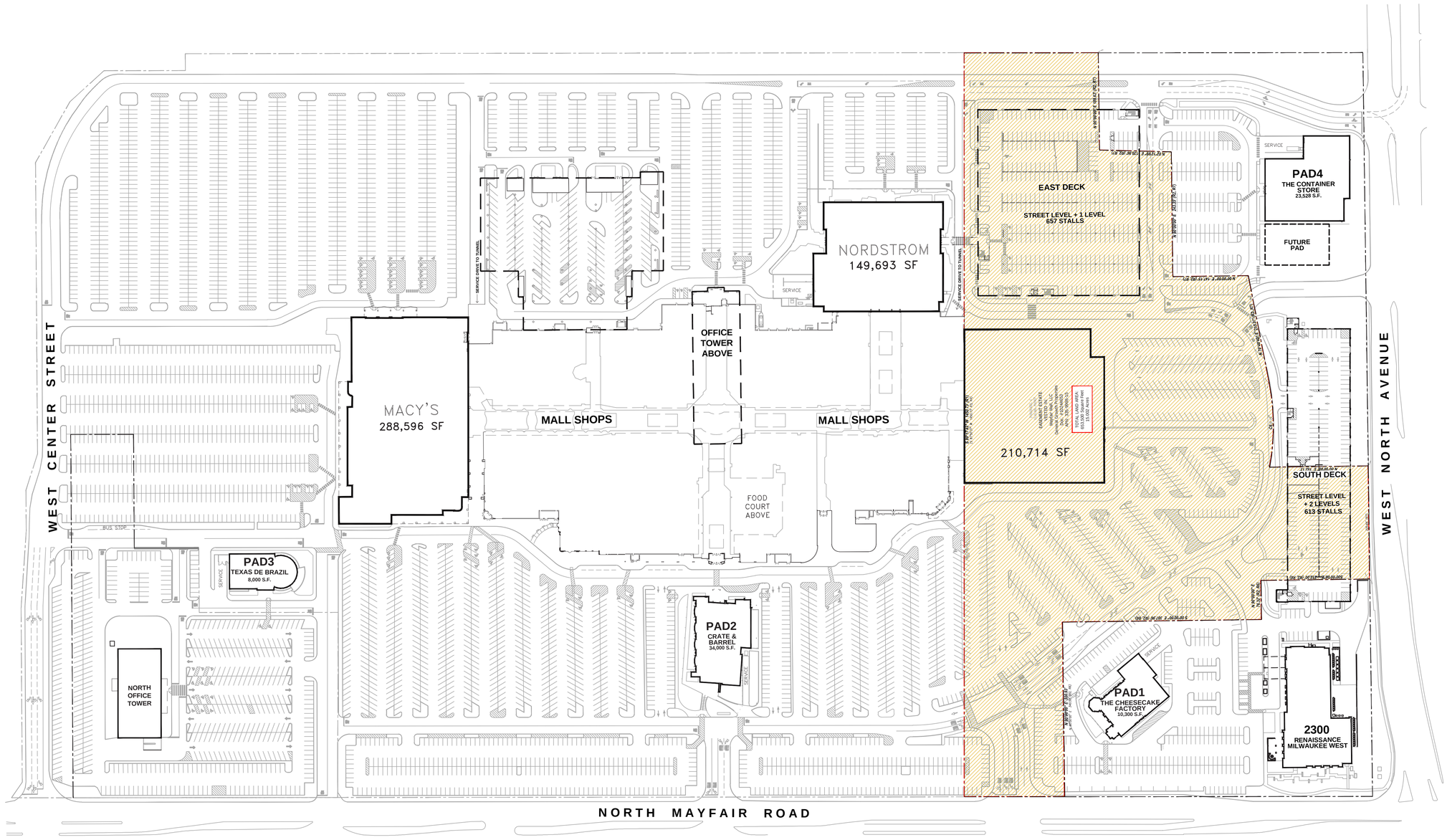
G1

Insulated Glazing Unit
CSG LB51

BLVD | ktgy

PROJECT INFORMATION

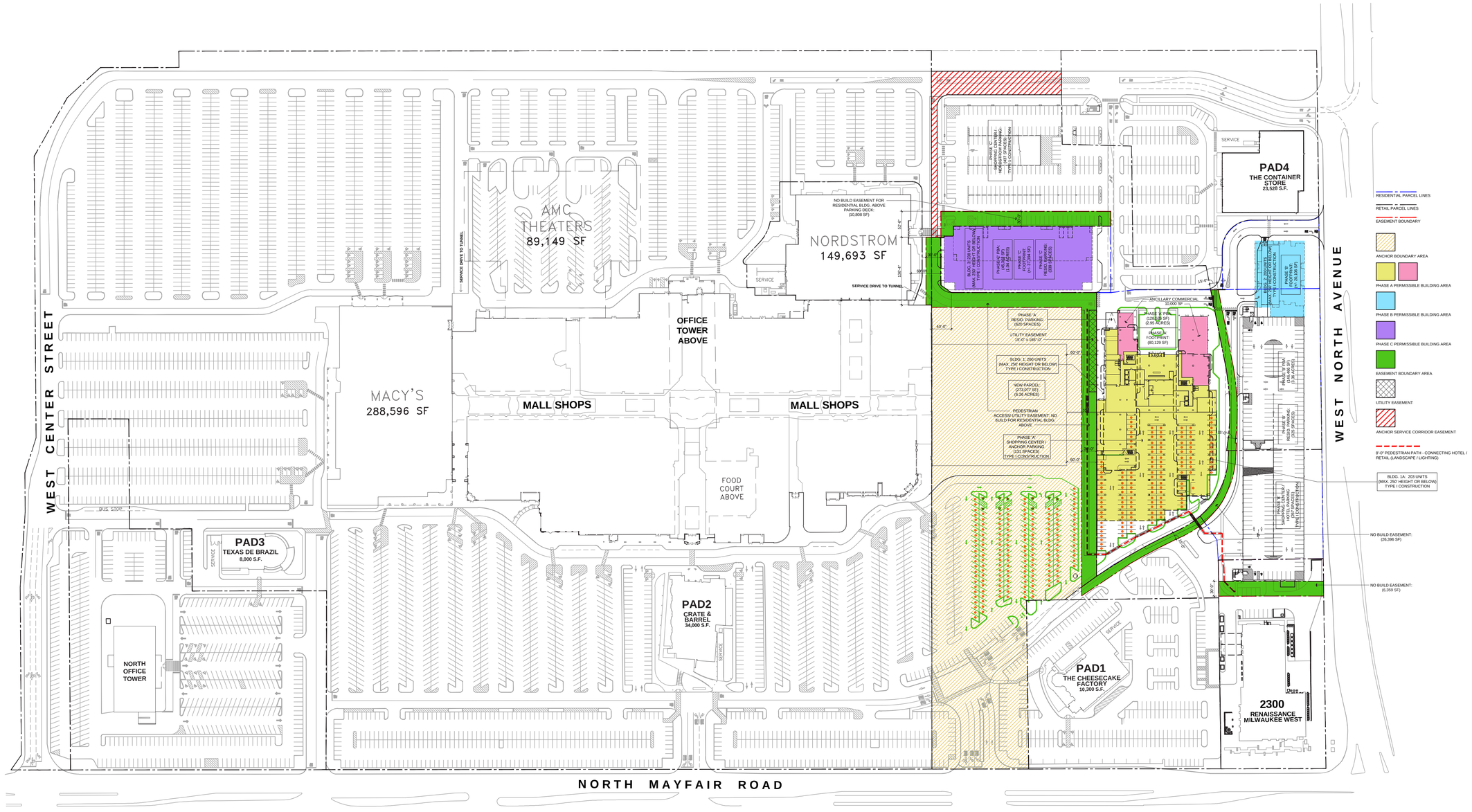
EXISTING PARCEL PLAN



Scale - 1" = 100' - 00"

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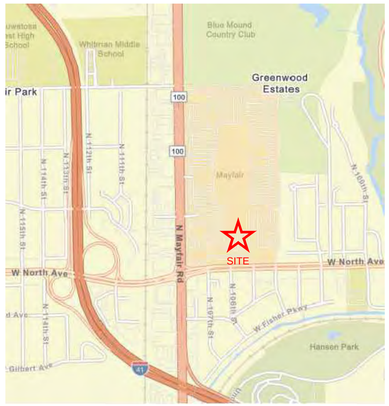
PROPOSED PARCEL PLAN - ALL PHASES



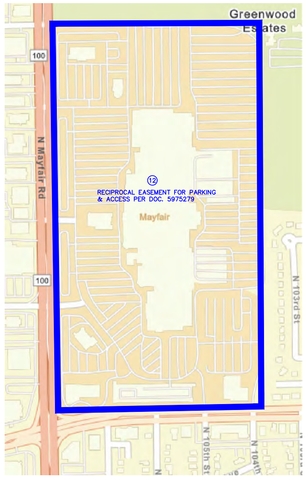
Scale - 1" = 100' - 00"

BLVD | ktgy

ALTA/NSPS LAND TITLE SURVEY



VICINITY MAP – NOT TO SCALE



Lot 2 of CERTIFIED SURVEY MAP NO. 9613 recorded in the Office of the Register of Deeds for Milwaukee County, Wisconsin on November 21, 2024 as Document No. 11466557, Said Certified Survey Map being a redivision of Lots 6 and 7 in Certified Survey Map No. 9575, being part of the Southwest 1/4 of Section 17, Township 7 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin.

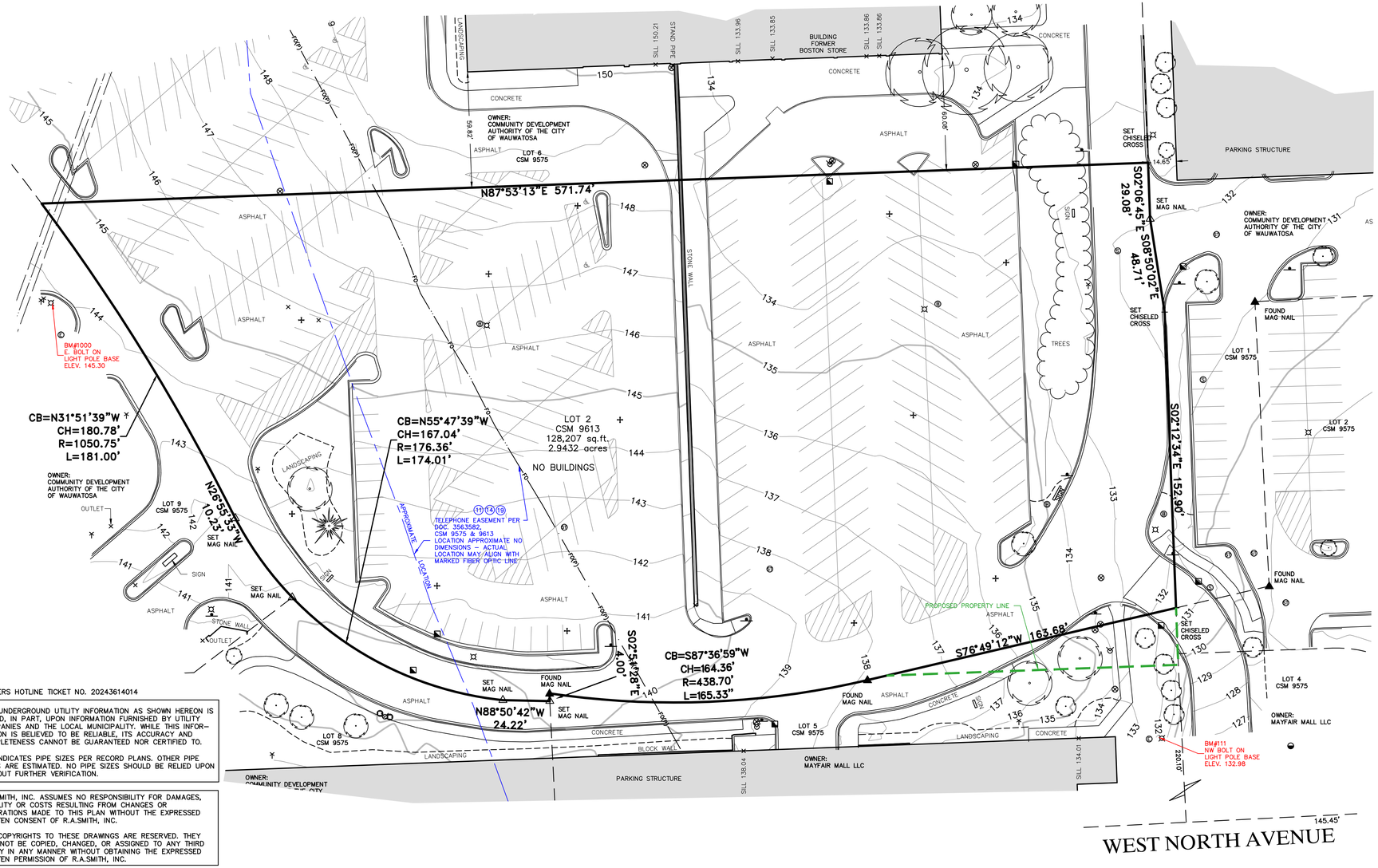
Property Address: 2400 North Mayfair Road, Wauwatosa, WI
Tax Parcel No. Part of 335-9998-016

Prepared for: Barrett Lo Visionary Development
Survey No. 169502-RMK

GRAPHIC SCALE
15 0 15 30
(IN FEET)

LEGEND

- BOLLARD
- SOIL BORING/MONITORING WELL
- FLAGPOLE
- MAILBOX
- SIGN
- AIR CONDITIONER
- CONTROL BOX
- TRAFFIC SIGNAL
- IRRIGATION CONTROL BOX
- CABLE PEDESTAL
- POWER POLE
- GUY POLE
- GUY WIRE
- LIGHT POLE
- SPOT/YARD/PEDESTAL LIGHT
- HANDICAPPED PARKING
- PULL BOX
- ELECTRIC MANHOLE
- ELECTRIC PEDESTAL
- ELECTRIC METER
- ELECTRIC TRANSFORMER
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- UTILITY VAULT
- GAS VALVE
- GAS METER
- GAS WARNING SIGN
- STORM MANHOLE
- ROUND INLET
- SQUARE INLET
- STORM SEWER END SECTION
- SANITARY MANHOLE
- SANITARY CLEANOUT OR SEPTIC VENT
- SANITARY INTERCEPTOR MANHOLE
- MISCELLANEOUS MANHOLE
- WATER VALVE
- HYDRANT
- WATER SERVICE CURB STOP
- WATER MANHOLE
- WELL
- WATER SURFACE
- WETLANDS FLAG
- MARSH
- CONIFEROUS TREE
- DECIDUOUS TREE
- SHRUB
- –EDGE OF TREES
- S –SANITARY SEWER
- STO–STORM SEWER
- W –WATERMAIN
- G –MARKED GAS MAIN
- E –MARKED ELECTRIC
- OHW–OVERHEAD WIRES
- B –BUREAU ELEC. SERV.
- T –MARKED TELEPHONE
- TV–MARKED CABLE TV LINE
- FO–MARKED FIBER OPTIC
- (P)–UTILITY PER PLAN
- 780 INDICATES EXISTING CONTOUR ELEVATION
- × 780.55 INDICATES EXISTING SPOT ELEVATION



DIGGERS HOTLINE TICKET NO. 20243614014

THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.

(P) INDICATES PIPE SIZES PER RECORD PLANS. OTHER PIPE SIZES ARE ESTIMATED. NO PIPE SIZES SHOULD BE RELIED UPON WITHOUT FURTHER VERIFICATION.

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A. Basis of Bearings
Bearings are based on THE North line of Lot 1 in Certifies Survey Map No. 9575 which bears North 87°53'13" East. Wisconsin State Plane Coordinate System, South Zone (NAD 83/2011).

B. Title Commitment
This survey was prepared based on First American Title Insurance Company National Commercial Services title commitment number NCS-1222412X5-MKE, commitment date December 03, 2024, Revision No. 1 (December 10, 2024), which lists the following easements and/or restrictions from schedule B-II:

1-3, 5, 9, 16. Visible evidence shown if any.

4, 6-8, 15, 17-18. Not survey related.

10. The public records do not show any legal right of access to or from the Land, and, by reason thereof, the Company does not insure any right of access to and from the Land. Legal assessment & opinion - not plottable.

11. Easements, dedications, reservations, provisions, relinquishments, recitals, certificates, and any other matters as provided for or delineated on Certified Survey Map No. 2228; Certified Survey Map No. 3066; Certified Survey Map No. 4004; Certified Survey Map No. 4827 and on Certified Survey Map No. 9575 referenced in the legal description contained herein. Lies within or crosses the surveyed property - its location is shown.

12. Reciprocal Easements and Operating Agreement entered into by and between Froedtert-Mayfair, Inc., a Wisconsin corporation and P. A. Bergner & Co. of Illinois, an Illinois corporation dated October 17, 1986 recorded as Document No. 5975279.
The rights of Froedtert-Mayfair under said instrument are now held of record by Mayfair Property, Inc., a Delaware corporation as described by Affidavit recorded November 12, 1991 on Reel 2650, Image 528 as Document No. 6541362.
Covenants, conditions and restrictions set forth in Warranty Deed executed by Froedtert-Mayfair, Inc., a Wisconsin corporation, and S. D. Realty Company, a Wisconsin corporation, collectively, to P. A. Bergner & Co. of Illinois, an Illinois Corporation, dated October 14, 1986 and recorded October 17, 1986 on Reel 1977, Image 776 as Document No. 5975277.
Agreement To (I) Amend Reciprocal Easements and Operating Agreement, and (II) Grant Option to Purchase Real Estate made and entered into by and between Mayfair Property Inc., an Illinois corporation, and P.A. Bergner & Co., an Illinois corporation, dated June 11, 1993 and recorded December 23, 1993, on Reel 3189, Image 666, as Document No. 6876387. Option to purchase as contained therein has expired by its terms. Lies within or crosses the surveyed property - creates Parking and Access Easements for Mall - see Detail - it is a blanket easement - its location is not shown.

13. Utility easement granted by K. Evelyn Gilbert to Wisconsin Electric Power Company, its successors and assigns by an instrument dated September 22, 1943 and recorded October 13, 1943 in Volume 1950 of Deeds on Page 329 as Document No. 2451697. Conveyance of Rights in Land recorded November 14, 2022 as Document No. 11299069. Lies within or crosses the surveyed property - it is a blanket easement - its location is not shown.

14. Utility Easement granted by S. D. Realty Company to Wisconsin Telephone Company, its successors and assigns by an instrument dated March 7, 1957 and recorded March 11, 1957 in Volume 3678 of Deeds on Page 169 as Document No. 3563582.
Conveyance of Rights in Land recorded November 10, 2022 as Document No. 11298329. Lies within or crosses the surveyed property - its location is shown.

19. Easements, dedications, reservations, provisions, relinquishments, recitals, certificates, and any other matters as provided for or delineated on Certified Survey Map No. 9613 recorded on November 21, 2024 as Document No. 11466557 referenced in the legal description contained herein. Reference is hereby made to said plat for particulars.

C. Flood Note
According to flood insurance rate map of the City of Wauwatosa, community panel number 55079C0066E, effective date of 9/26/2008, this site falls in zone X (areas determined to be outside the 0.2% annual chance floodplain).

D. Parking Spaces
There are 218 total parking spaces consisting of 218 regular and 0 handicapped parking spaces marked on this site.

E. Municipal Zoning
The zoning information listed is taken from the City of Wauwatosa website - site is zoned General Commercial (C2) with Mayfair Corridor overlay (/MAY)

C2
Front setback - 10'
Street side yard setback - 5'
Interior side yard setback - 3', No side setback is required abutting another C-zoned lot occupied by a building with no side setback along the shared lot line. See Section 24.05.020.C. for Mayfair Corridor Overlay regional mall standards.
Rear yard setback - 10', See Section 24.05.020.C. for Mayfair Corridor Overlay regional mall standards.
Maximum height - Mo Maximum

Section 24.05.020.C. Minimum Interior Side Setback and Rear Setback. Parcels associated with a regional mall are allowed 0 feet interior side setback and rear setback for parcel lines not adjacent to R-zoned property. When adjacent to R-zoned property, the minimum interior side setback and rear setback is 15 feet for buildings 50 feet in height and below, 25 feet for buildings 51 feet to 100 feet, and 50 feet for buildings 101 feet and above.

There is no visible evidence of recent earth moving work, building construction or building additions observed in the process of conducting the fieldwork.

There are no proposed changes in street right of way lines, if such information is made available to the surveyor by the controlling jurisdiction or observed in the process of conducting the fieldwork.

There is no visible evidence of recent street or sidewalk construction or repairs observed in the process of conducting the fieldwork.

The Surveyed property has access to N. Mayfair Road and W. North Ave through access easements per document 5975279 (exception 12).

Table A, Item 13, adjoining owners are not available on Milwaukee County GIS tax records.

To: Barrett Lo Visionary Development;
Department of Housing and Urban Development ("HUD");
First American Title Insurance Company National Commercial Services .

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS and includes items 1, 2, 3, 4, 6(a), 6(b), 7(a), 8, 9, 10, 11(a), 12, 13, 16, 17 & 18 of Table A thereof. The fieldwork was completed on October 2, 2024

Date of Plat or Map: October 2, 2024
Revision to Map: July 15, 2025

I CERTIFY, that this survey was prepared under my supervision and is correct to the best of my professional knowledge and belief and complies with Chapter A-E 7 of the Wisconsin Administrative Code.

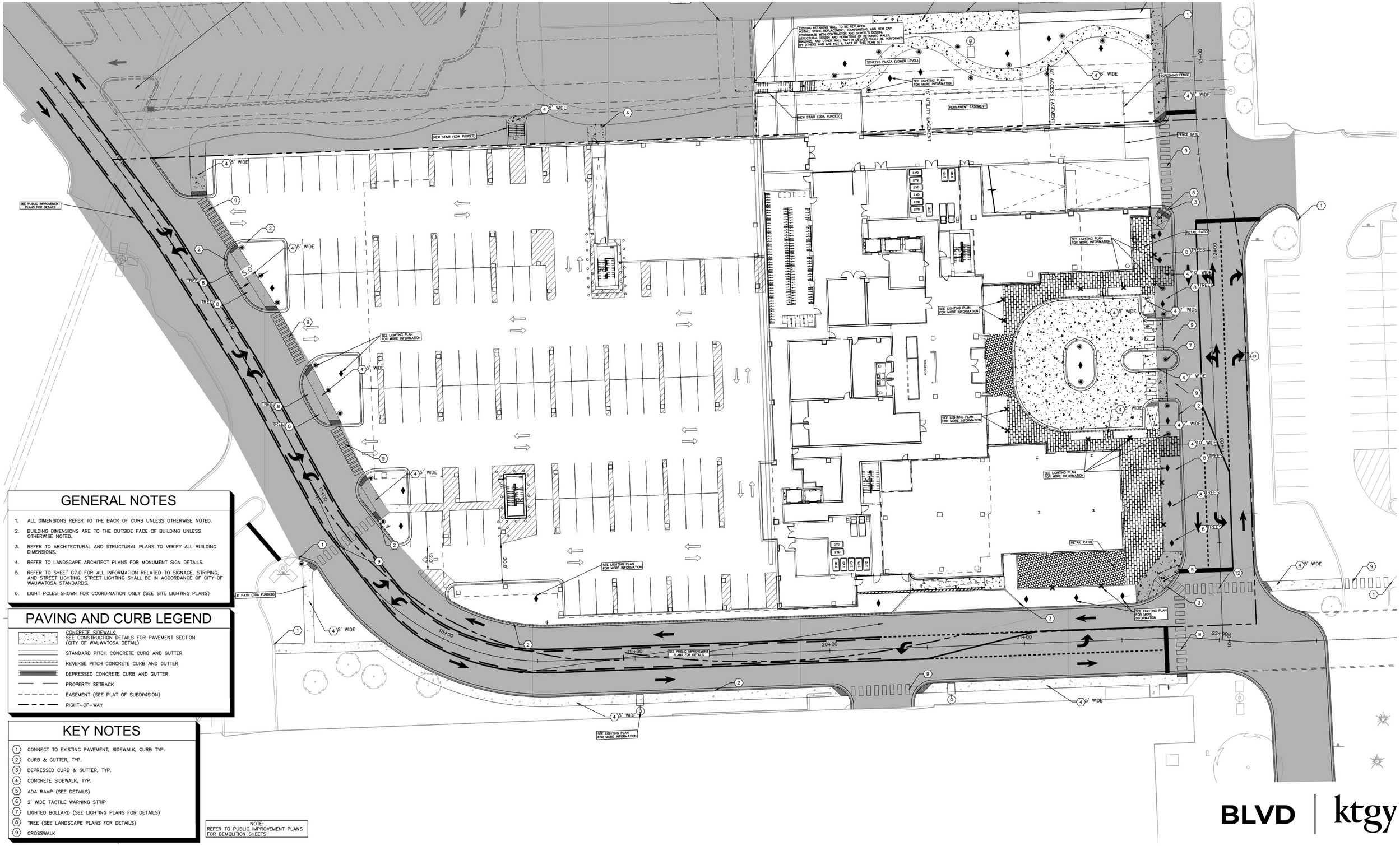
WISCONSIN JOHN P. CASUCCI S-2055 OCONOMOWOC WI LAND SURVEYOR

John P. Casucci
Professional Land Surveyor
Registration Number S-2055
john.casucci@rasmith.com

raSmith
CREATIVITY BEYOND ENGINEERING
16745 W. Bluemound Road
Brookfield, WI 53005-5938
(262) 781-1000
rasmith.com

SHEET 1 OF 1

PHASE A - SITE PLAN



GENERAL NOTES

1. ALL DIMENSIONS REFER TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
4. REFER TO LANDSCAPE ARCHITECT PLANS FOR MONUMENT SIGN DETAILS.
5. REFER TO SHEET C7.0 FOR ALL INFORMATION RELATED TO SIGNAGE, STRIPING, AND STREET LIGHTING. STREET LIGHTING SHALL BE IN ACCORDANCE OF CITY OF WAUWATOSA STANDARDS.
6. LIGHT POLES SHOWN FOR COORDINATION ONLY (SEE SITE LIGHTING PLANS)

PAVING AND CURB LEGEND

- CONCRETE SIDEWALK — SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION (CITY OF WAUWATOSA DETAIL)
- STANDARD PITCH CONCRETE CURB AND GUTTER
- REVERSE PITCH CONCRETE CURB AND GUTTER
- DEPRESSED CONCRETE CURB AND GUTTER
- PROPERTY SETBACK
- EASEMENT (SEE PLAT OF SUBDIVISION)
- RIGHT-OF-WAY

KEY NOTES

1. CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB TYP.
2. CURB & GUTTER, TYP.
3. DEPRESSED CURB & GUTTER, TYP.
4. CONCRETE SIDEWALK, TYP.
5. ADA RAMP (SEE DETAILS)
6. 2' WIDE TACTILE WARNING STRIP
7. LIGHTED BOLLARD (SEE LIGHTING PLANS FOR DETAILS)
8. TREE (SEE LANDSCAPE PLANS FOR DETAILS)
9. CROSSWALK

NOTE:
REFER TO PUBLIC IMPROVEMENT PLANS FOR DEMOLITION SHEETS

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PHASE A - GRADING PLAN

GRADING NOTES

1. CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
2. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO FLOW LINE ELEVATIONS UNLESS OTHERWISE NOTED.
3. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAVING SUBCONTRACTORS REGARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAVEMENT SECTION THICKNESS FOR PAVED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
4. NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
5. MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
6. MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND ACCESSIBLE ROUTES.
7. WHEN NATURAL FLOW OF DRAINAGE IS AWAY FROM CURB, CONTRACTOR TO INSTALL REVERSE GUTTER PITCH.
8. CONTRACTOR TO MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS, UNLESS OTHERWISE NOTED AS GRADING LIMITS. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES WITH FIELD CONDITIONS PRIOR TO GRADING.
9. ALL DISTURBED AREAS SHALL BE RESTORED WITH MINIMUM 6-INCHES OF TOPSOIL AND SEEDED, UNLESS OTHERWISE NOTED.
10. DO NOT INTERRUPT DRAINAGE FROM OFF-SITE DURING CONSTRUCTION OPERATIONS. PROVIDE TEMPORARY DRAINAGE DITCHES WHERE REQUIRED.
11. GRADING INDICATED MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES WITH FIELD CONDITIONS PRIOR TO GRADING

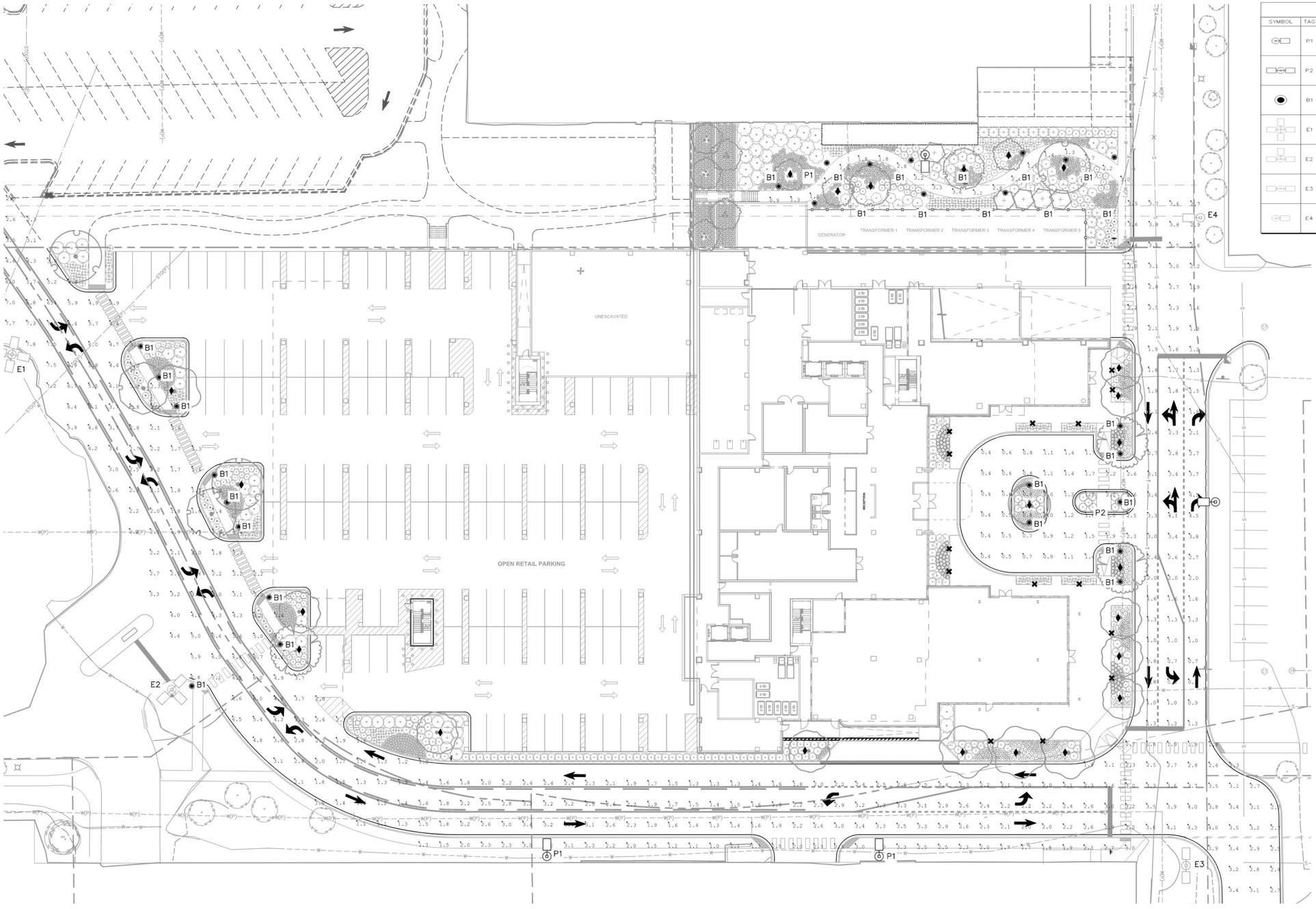
GRADING LEGEND

FL	=	FLOW LINE
TC	=	TOP OF CURB
FFE	=	FINISHED FLOOR ELEVATION
ME	=	MATCH ELEVATION
R	=	RIM ELEVATION
TW	=	TOP OF WALL
FG	=	FINISHED GRADE

- XXX — PROPOSED CONTOUR
- XXX — EXISTING CONTOUR
- RIDGE — RIDGE LINE
- X.XX% — SLOPE AND FLOW DIRECTION
- 100-YEAR OVERLAND OVERFLOW ROUTE
- PROPOSED SWALE
- LIMITS OF GRADING
- EASEMENT LINE
- BUILDING SETBACK LINE
- GRADING BLOWUP DETAIL

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PHASE A - PHOTOMETRICS & LIGHTING



LIGHT FIXTURE SCHEDULE

SYMBOL	TAG	LABEL	MANUFACTURER	LLF	LUMENS	WATTAGE	COLOR	DESCRIPTION
	P1	DSX2-LED-P3-30K-70CRI-T2M-MVOLT	LITHONIA LIGHTING	0.9	27,908	219W	3000K	SINGLE LUMINAIRE POLE MOUNTED AT 25' AFG INCLUDING FOUNDATION. COORDINATE FIXTURE FINISHES WITH OWNER PRIOR TO PROCUREMENT.
	P2	DSX2-LED-P3-30K-70CRI-T2M-MVOLT	LITHONIA LIGHTING	0.9	55,816	438W	3000K	BACK-TO-BACK LUMINAIRES POLE MOUNTED AT 25' AFG INCLUDING FOUNDATION. COORDINATE FIXTURE FINISHES WITH OWNER PRIOR TO PROCUREMENT.
	B1	BE_84424K3	BEGA	0.9	169	7.9W	3000K	BOLLARD LUMINAIRE MOUNTED AT 2.5' AFG. COORDINATE FIXTURE FINISHES WITH OWNER PRIOR TO PROCUREMENT.
	E1	GL4C-38H-3RM-730	SOLAIS/ENERGY LITE	0.9	148,984	1032W	3000K	FOUR EXISTING LUMINAIRES POLE MOUNTED AT 55' AFG INCLUDING FOUNDATION. LUMINAIRE COLOR TEMPERATURE AND LUMEN PACKAGE ARE ASSUMED.
	E2	GL4C-38H-3RM-730	SOLAIS/ENERGY LITE	0.9	111,738	774W	3000K	THREE EXISTING LUMINAIRES POLE MOUNTED AT 55' AFG INCLUDING FOUNDATION. LUMINAIRE COLOR TEMPERATURE AND LUMEN PACKAGE ARE ASSUMED.
	E3	GL4C-38H-3RM-730	SOLAIS/ENERGY LITE	0.9	74,492	516W	3000K	TWO EXISTING LUMINAIRES POLE MOUNTED AT 55' AFG INCLUDING FOUNDATION. LUMINAIRE COLOR TEMPERATURE AND LUMEN PACKAGE ARE ASSUMED.
	E4	GL4C-38H-3RM-730	SOLAIS/ENERGY LITE	0.9	37,246	258W	3000K	SINGLE EXISTING LUMINAIRE POLE MOUNTED AT 55' AFG INCLUDING FOUNDATION. LUMINAIRE COLOR TEMPERATURE AND LUMEN PACKAGE ARE ASSUMED.

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EXISTING SITE PHOTOS



VIEW FROM SOUTH



VIEW FROM SOUTHEAST



VIEW FROM WEST



VIEW FROM NORTHWEST

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North Building (B1)
19 floors, 198’- 0” tall
276 units
20 units per floor typ

South Building (B2)
15 floors, 159’- 4” tall
186 units
19 units per floor typ

South Retail

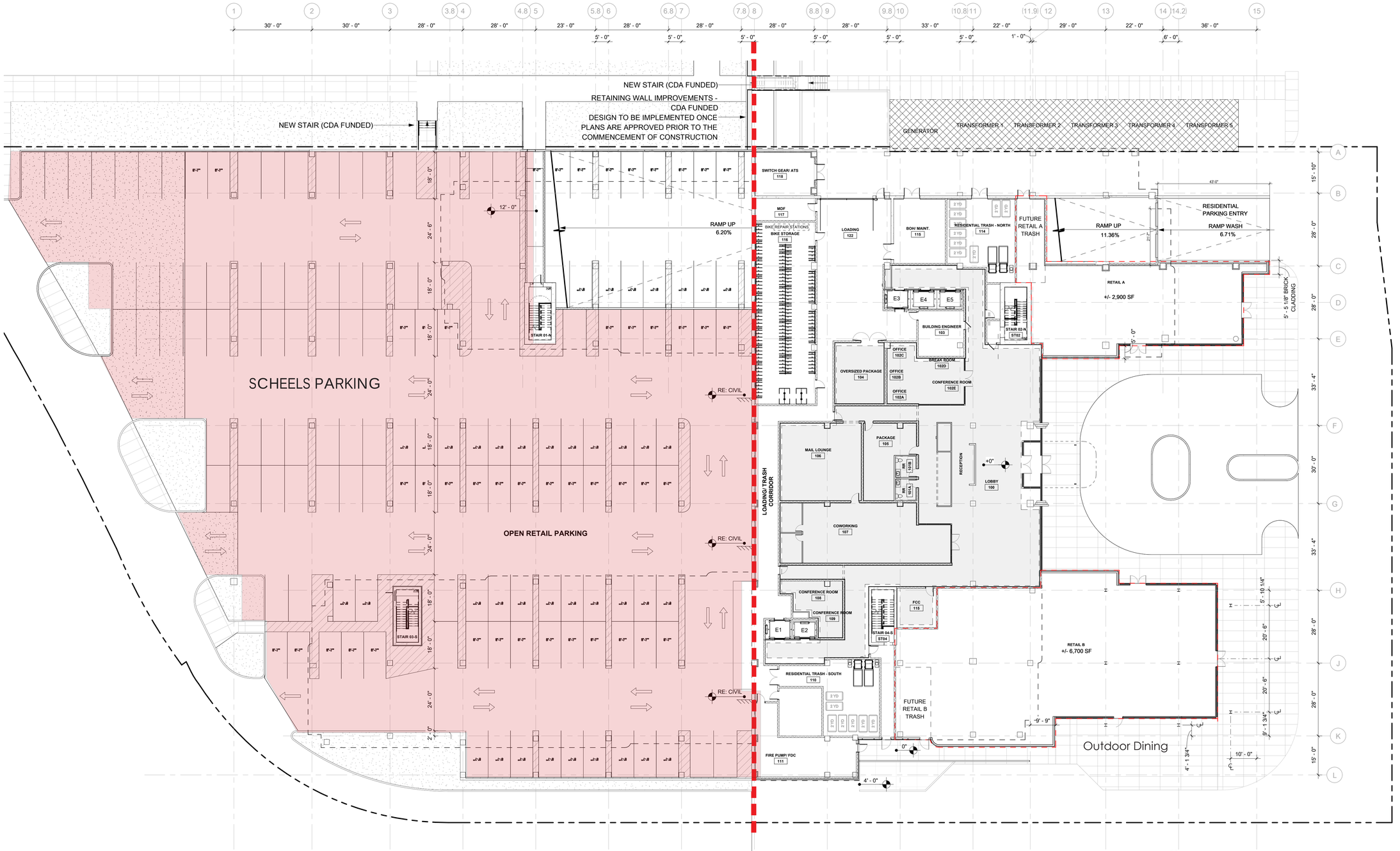
North Retail

Residential Courtyard

East Elevation View

GROUND FLOOR PLAN

RETAIL, RESIDENTIAL LOBBY, & ON-GRADE PARKING

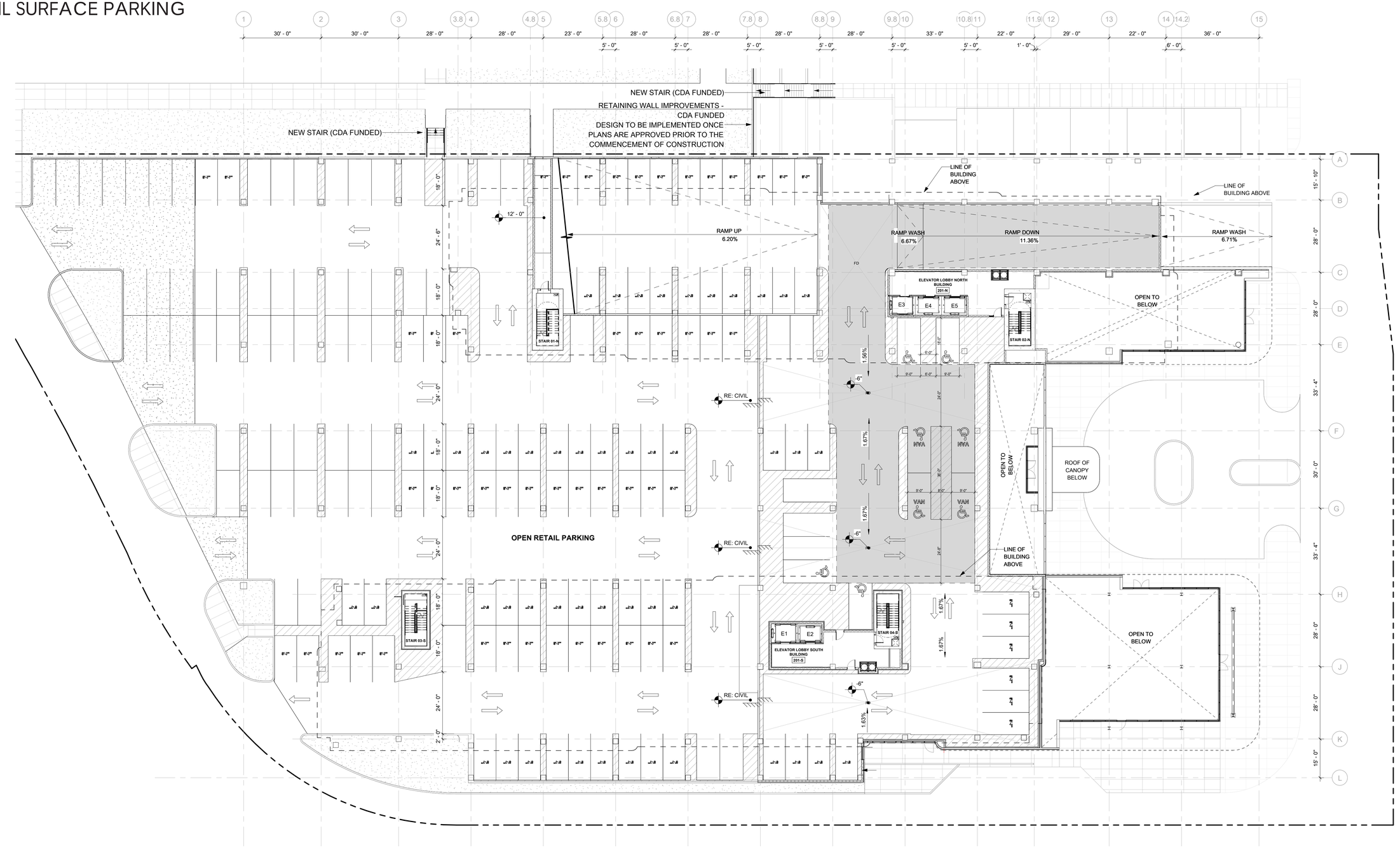


Scale - 1/16" = 1' - 00"

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View of South Retail

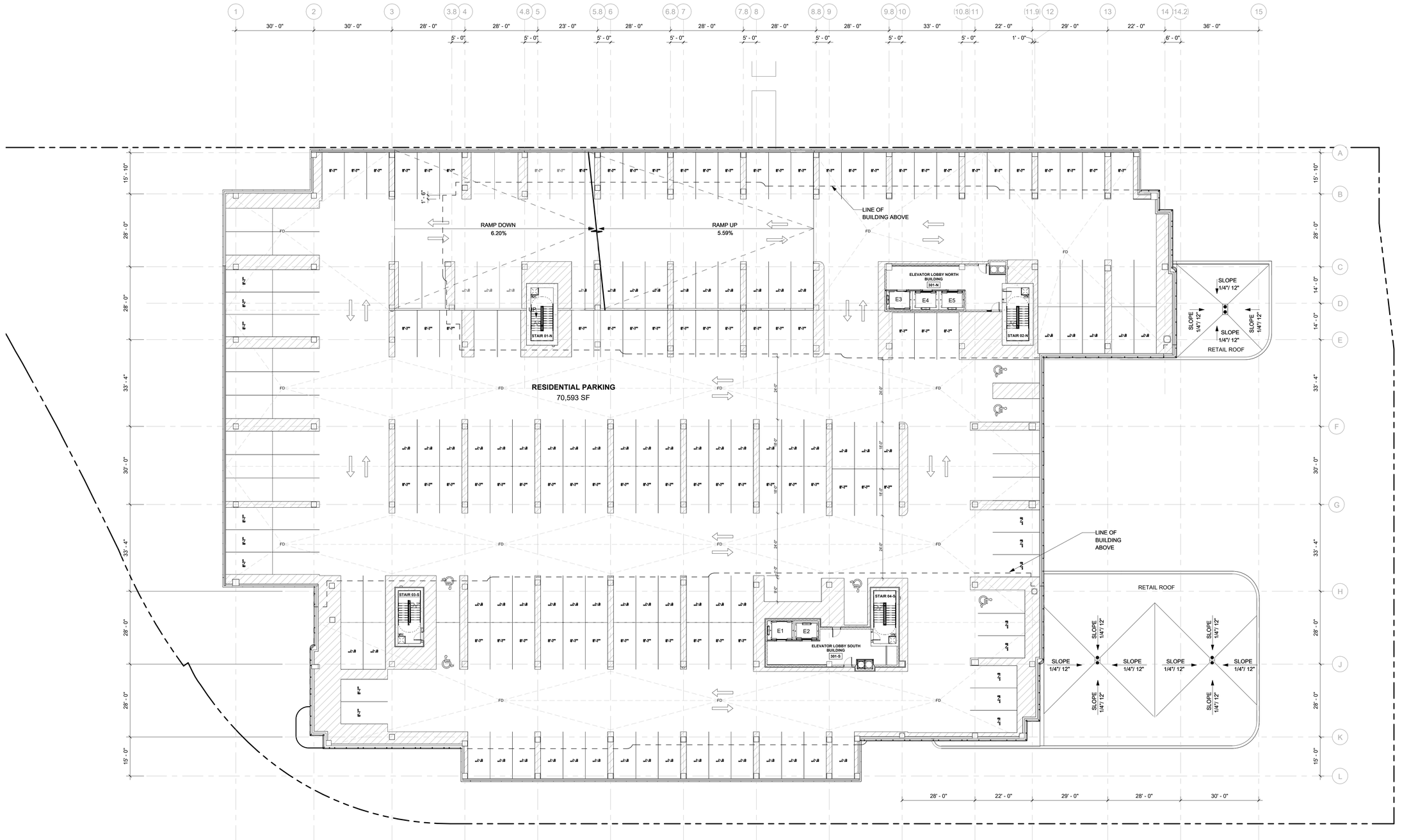
LEVEL TWO FLOOR PLAN
RESIDENTIAL PARKING LEVEL
RETAIL SURFACE PARKING



Scale - 1/16" = 1' - 00"

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LEVEL THREE - FIVE
TYPICAL RESIDENTIAL PARKING LEVEL

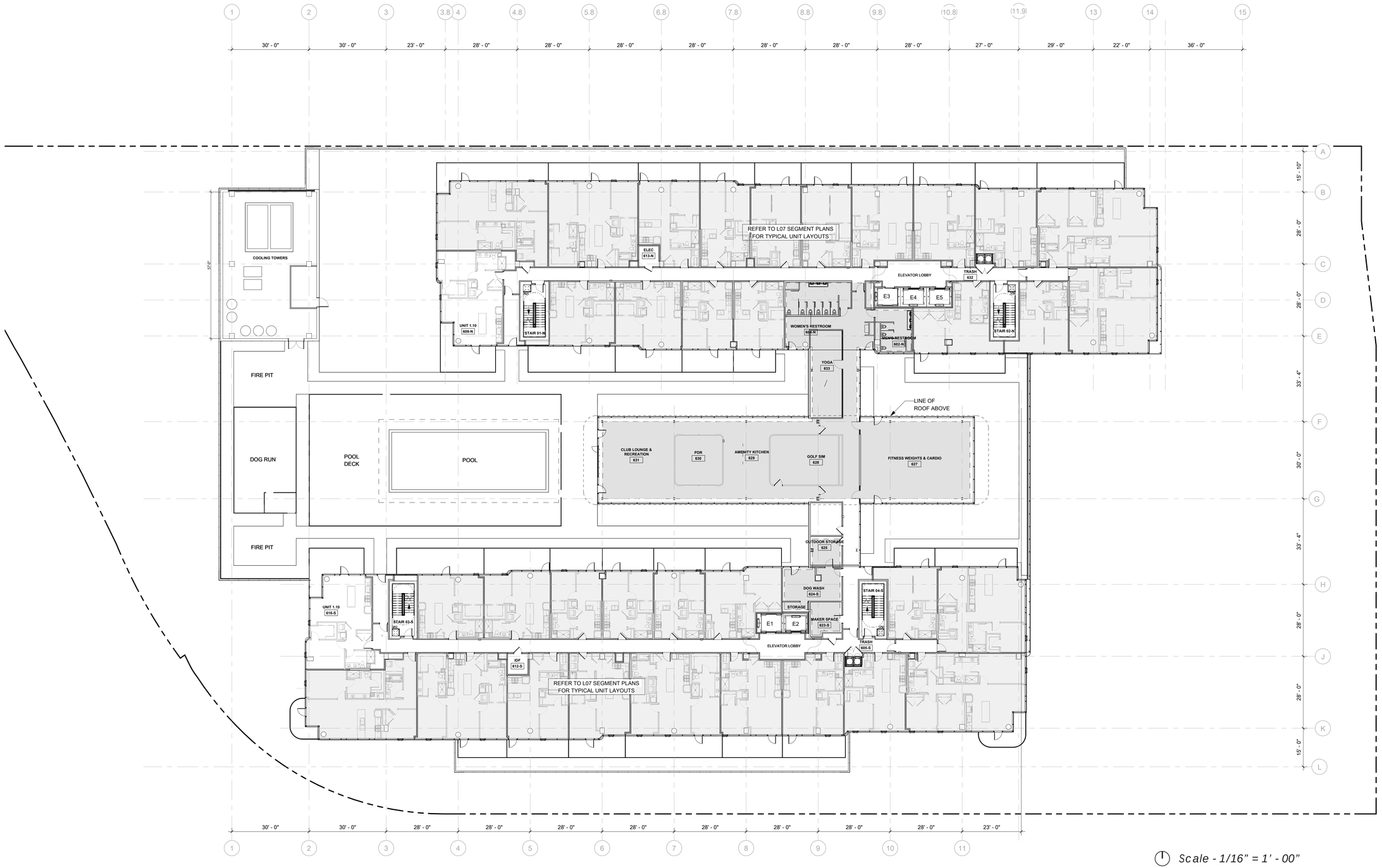


Scale - 1/16" = 1' - 00"

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View from Southwest

LEVEL SIX
RESIDENTIAL AMENITY FLOOR



Scale - 1/16" = 1' - 00"

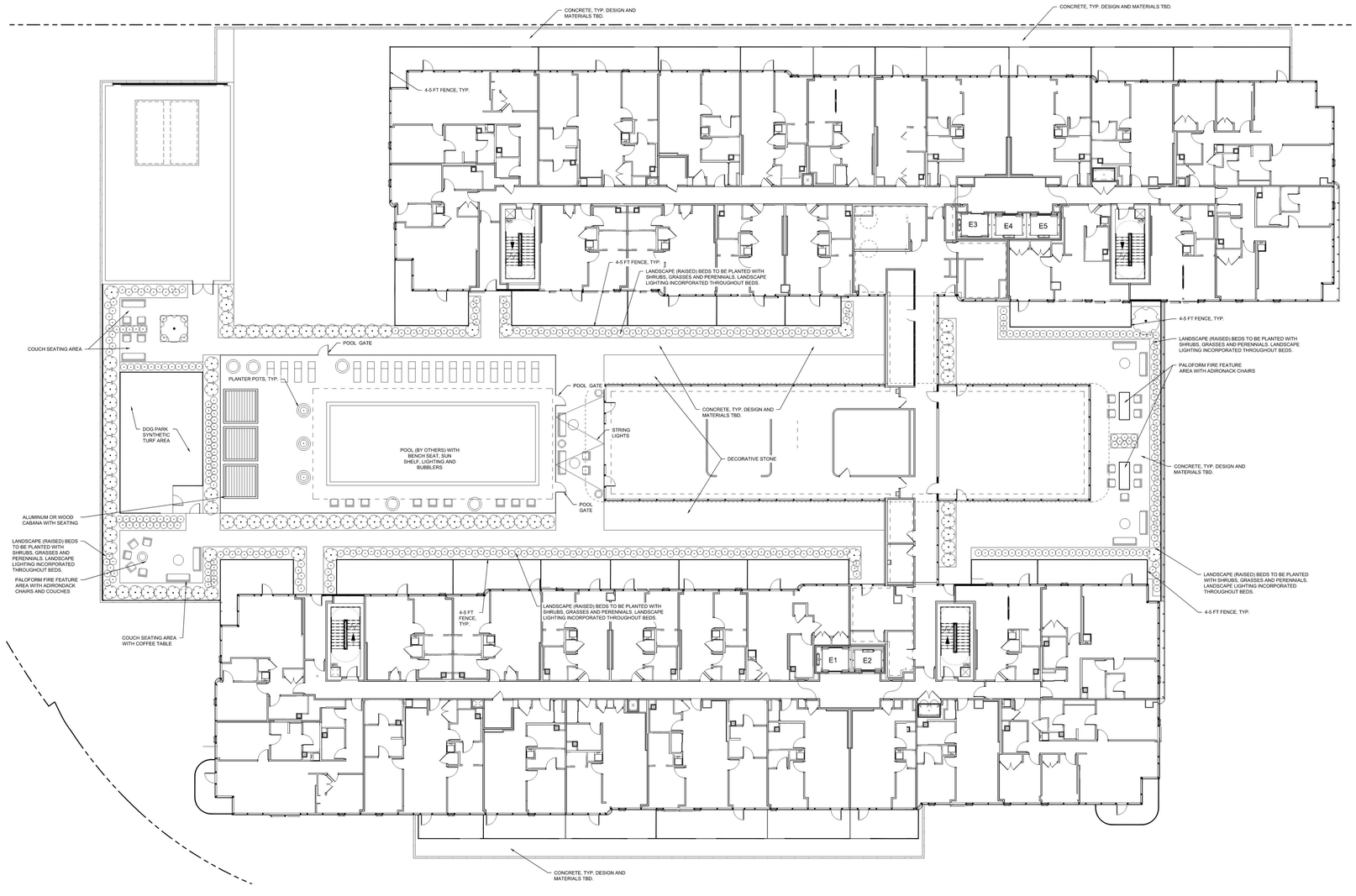
AMENITY METRICS

+/- 6,000 sf of Amenity

+/- 13,000 sf of outdoor amenity

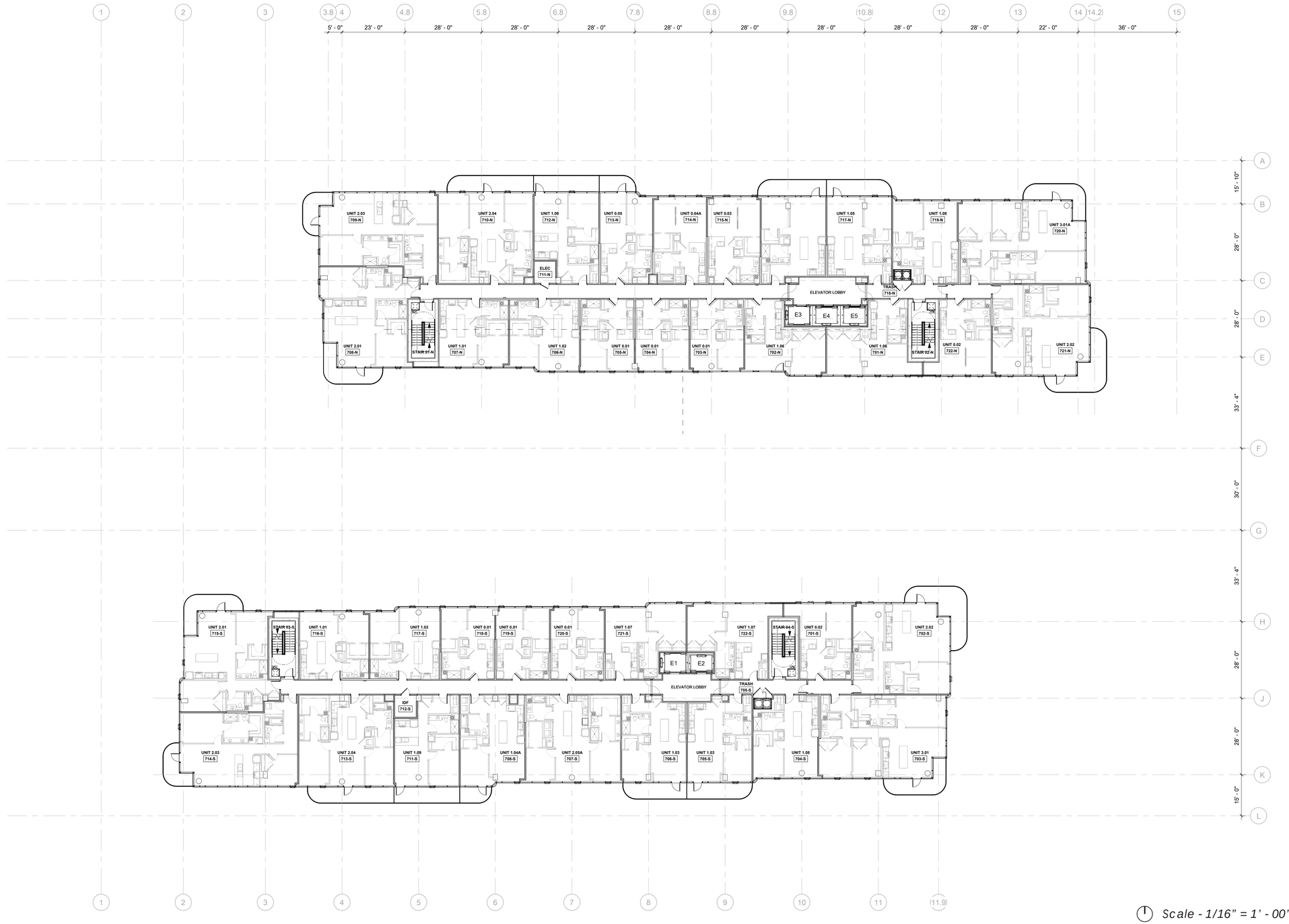
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LEVEL SIX
RESIDENTIAL AMENITY FLOOR



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TYPICAL RESIDENTIAL LEVEL - A

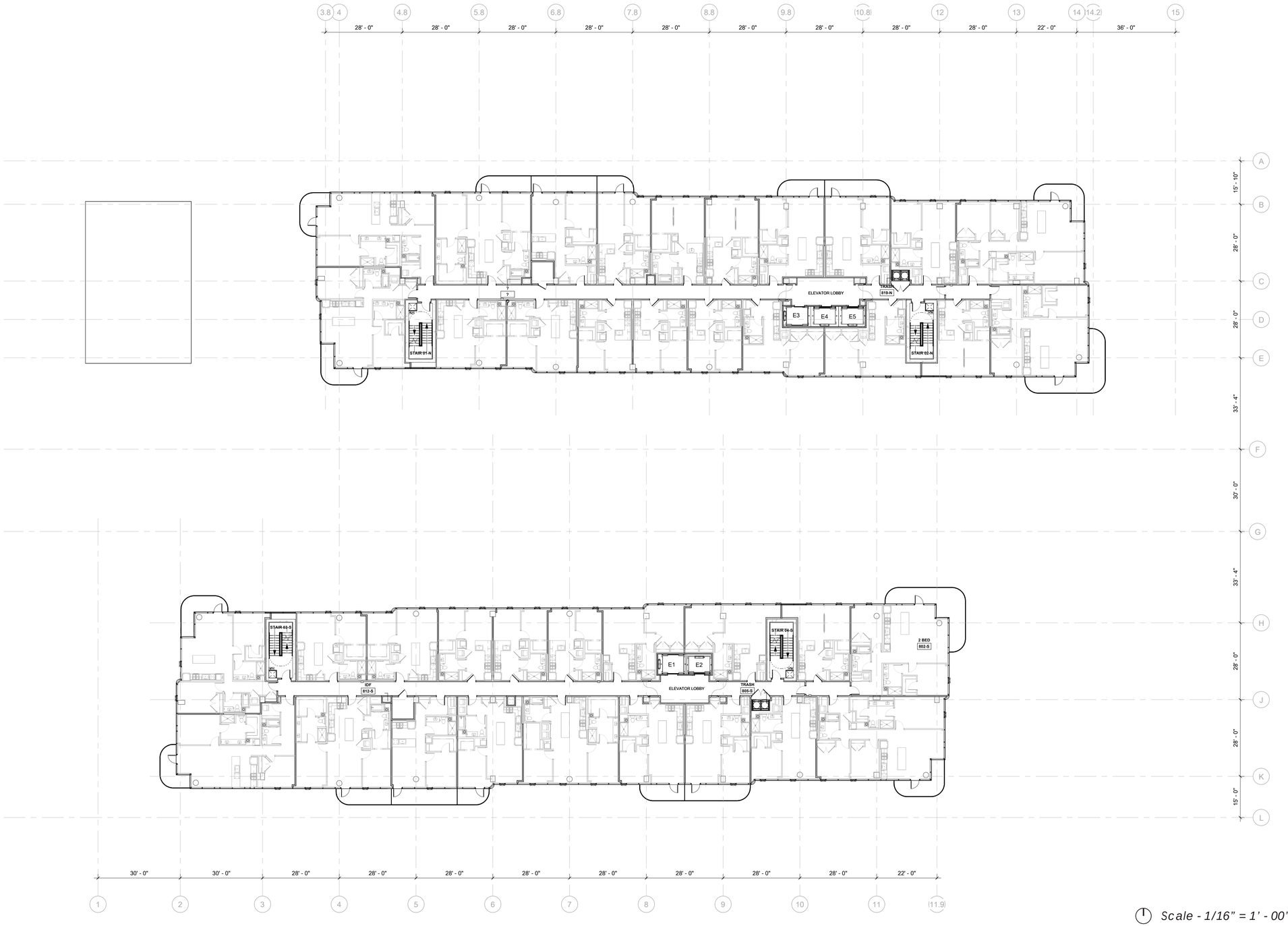


Scale - 1/16" = 1' - 00"

20 Units Per Floor North Tower
19 Units Per Floor South Tower

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TYPICAL RESIDENTIAL LEVEL - B

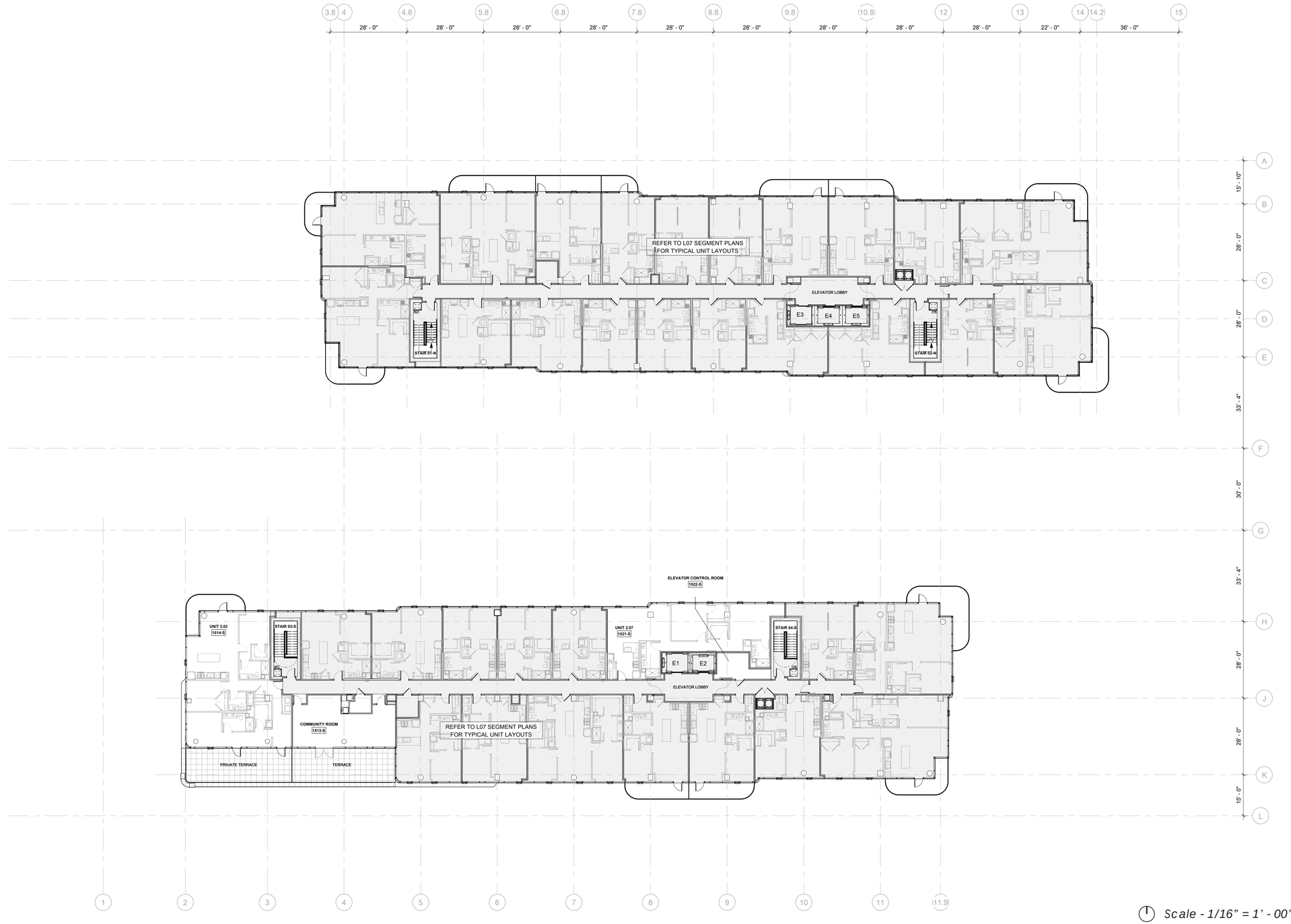


Scale - 1/16" = 1' - 00"

20 Units Per Floor North Tower
19 Units Per Floor South Tower

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LEVEL FIFTEEN
SOUTH TOWER RESIDENTIAL PENTHOUSE

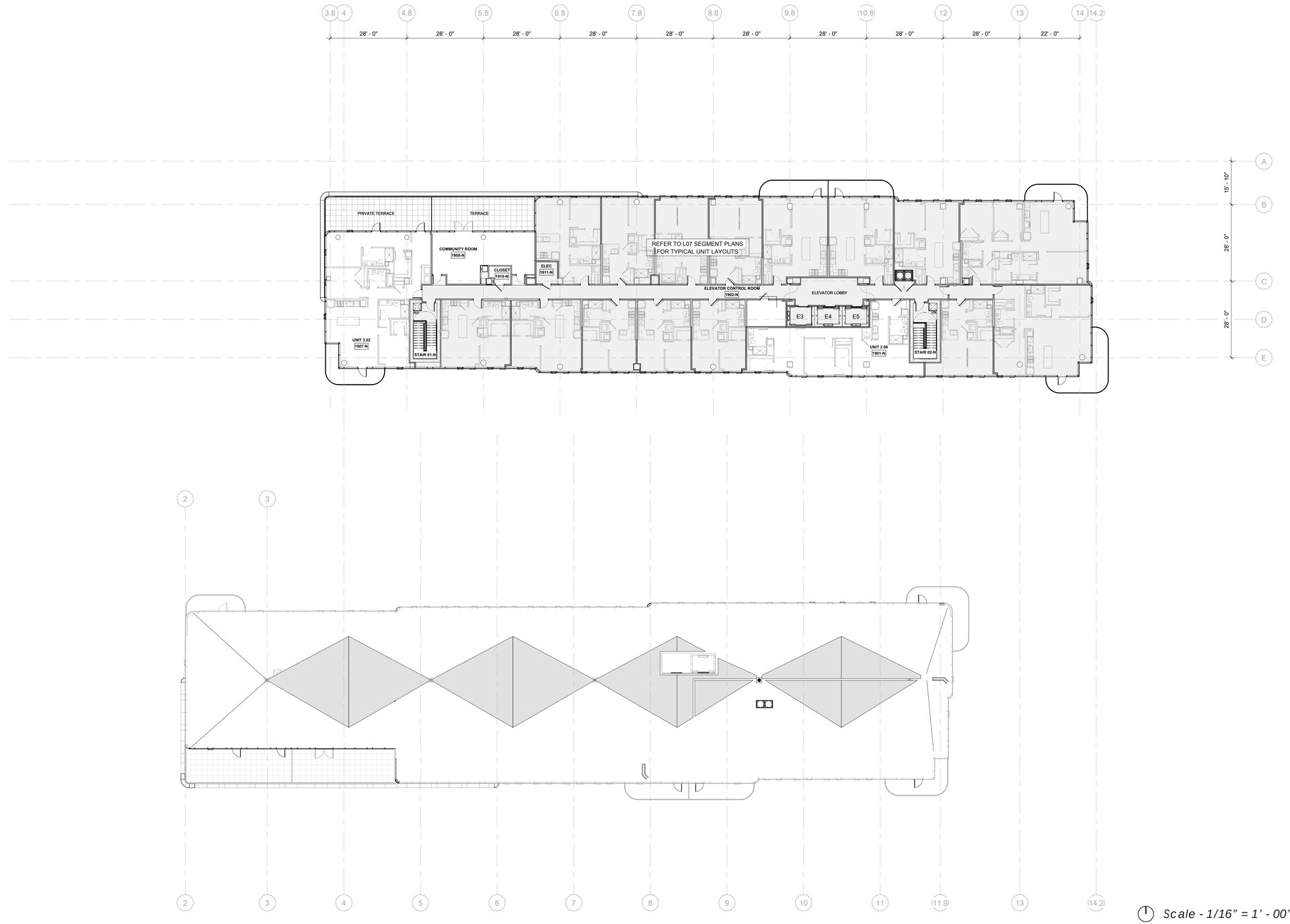


Scale - 1/16" = 1' - 00"

20 Units Per Floor North Tower
17 Units Per Floor South Tower

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LEVEL NINETEEN
NORTH TOWER RESIDENTIAL PENTHOUSE



Scale - 1/16" = 1' - 00"

18 Units Per Floor North Tower

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View of Residential Balconies

OVERALL EAST ELEVATION

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Scale - 1/6" = 1' - 0"

OVERALL EAST ELEVATION

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Metal Materials

M1

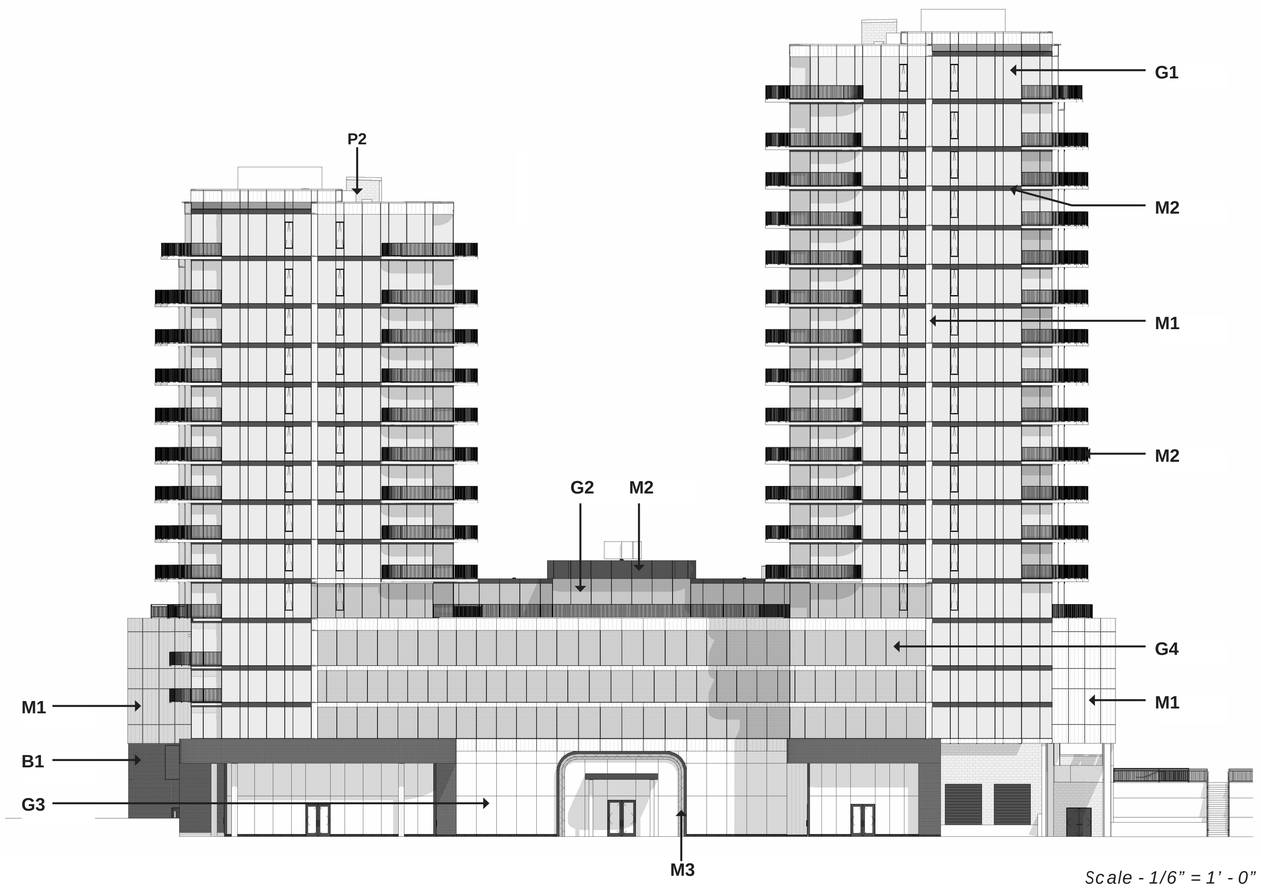
Metal - Bone White
UC43359 Color Match

M2

Metal - Graphite Gray
UC110628F Color Match

M3

Metal - Anodic Bronze
UC126180F Color Match



Scale - 1/6" = 1' - 0"

Glass Materials

G1

Insulated Glazing Unit
CSG LB51

G2

Insulated Glazing Unit
CSG SJ79

G3

Insulated Glazing Unit
CSG Super 86

G4

Insulated Glazing Unit
CSG LB51 w/ frit

MATERIAL LEGEND:

G1	M1	P2
G2	M2	S1
G3	M3	B1
G4	P1	

Other Materials

S1

Stone - Absolute Black
'Honed' Finish

B1

Brick
Iron Spot Velour

P1

Paint
RAL 7037 Dusty Grey

P2

Paint
RAL 7021 Black Grey

OVERALL SOUTH ELEVATION

BLVD | ktgy

Metal Materials

M1

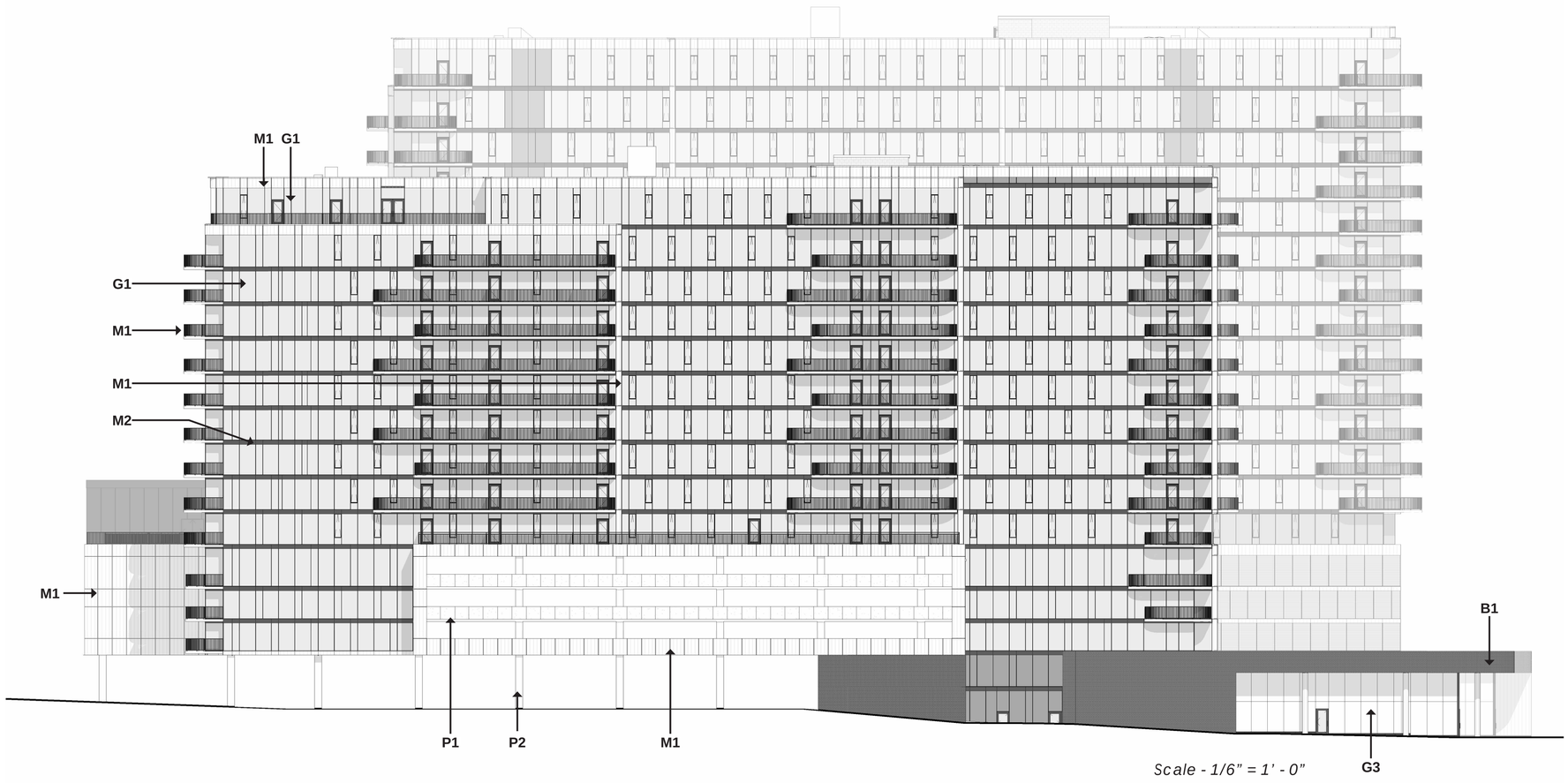
Metal - Bone White
UC43359 Color Match

M2

Metal - Graphite Gray
UC110628F Color Match

M3

Metal - Anodic Bronze
UC126180F Color Match



Glass Materials

G1

Insulated Glazing Unit
CSG LB51

G2

Insulated Glazing Unit
CSG SJ79

G3

Insulated Glazing Unit
CSG Super 86

G4

Insulated Glazing Unit
CSG LB51 w/ frit

MATERIAL LEGEND:

G1	M1	P2
G2	M2	S1
G3	M3	B1
G4	P1	

Other Materials

S1

Stone - Absolute Black
'Honed' Finish

B1

Brick
Iron Spot Velour

P1

Paint
RAL 7037 Dusty Grey

P2

Paint
RAL 7021 Black Grey

OVERALL WEST ELEVATION

BLVD | ktgy

Metal Materials

M1

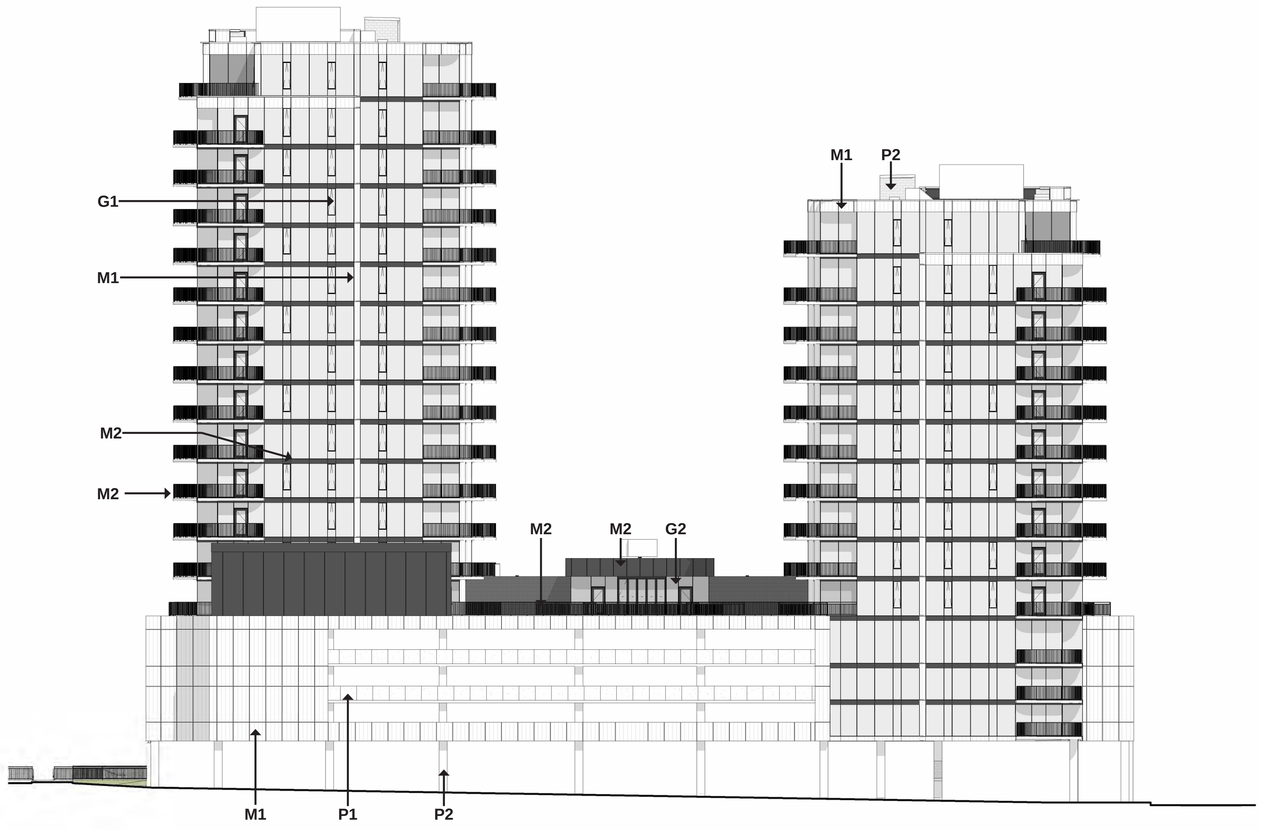
Metal - Bone White
UC43359 Color Match

M2

Metal - Graphite Gray
UC110628F Color Match

M3

Metal - Anodic Bronze
UC126180F Color Match



Scale - 1/6" = 1' - 0"

Glass Materials

G1

Insulated Glazing Unit
CSG LB51

G2

Insulated Glazing Unit
CSG SJ79

G3

Insulated Glazing Unit
CSG Super 86

G4

Insulated Glazing Unit
CSG LB51 w/ frit

MATERIAL LEGEND:

G1	M1	P2
G2	M2	S1
G3	M3	B1
G4	P1	

Other Materials

S1

Stone - Absolute Black
'Honed' Finish

B1

Brick
Iron Spot Velour

P1

Paint
RAL 7037 Dusty Grey

P2

Paint
RAL 7021 Black Grey

OVERALL NORTH ELEVATION

BLVD | ktgy

Metal Materials

M1

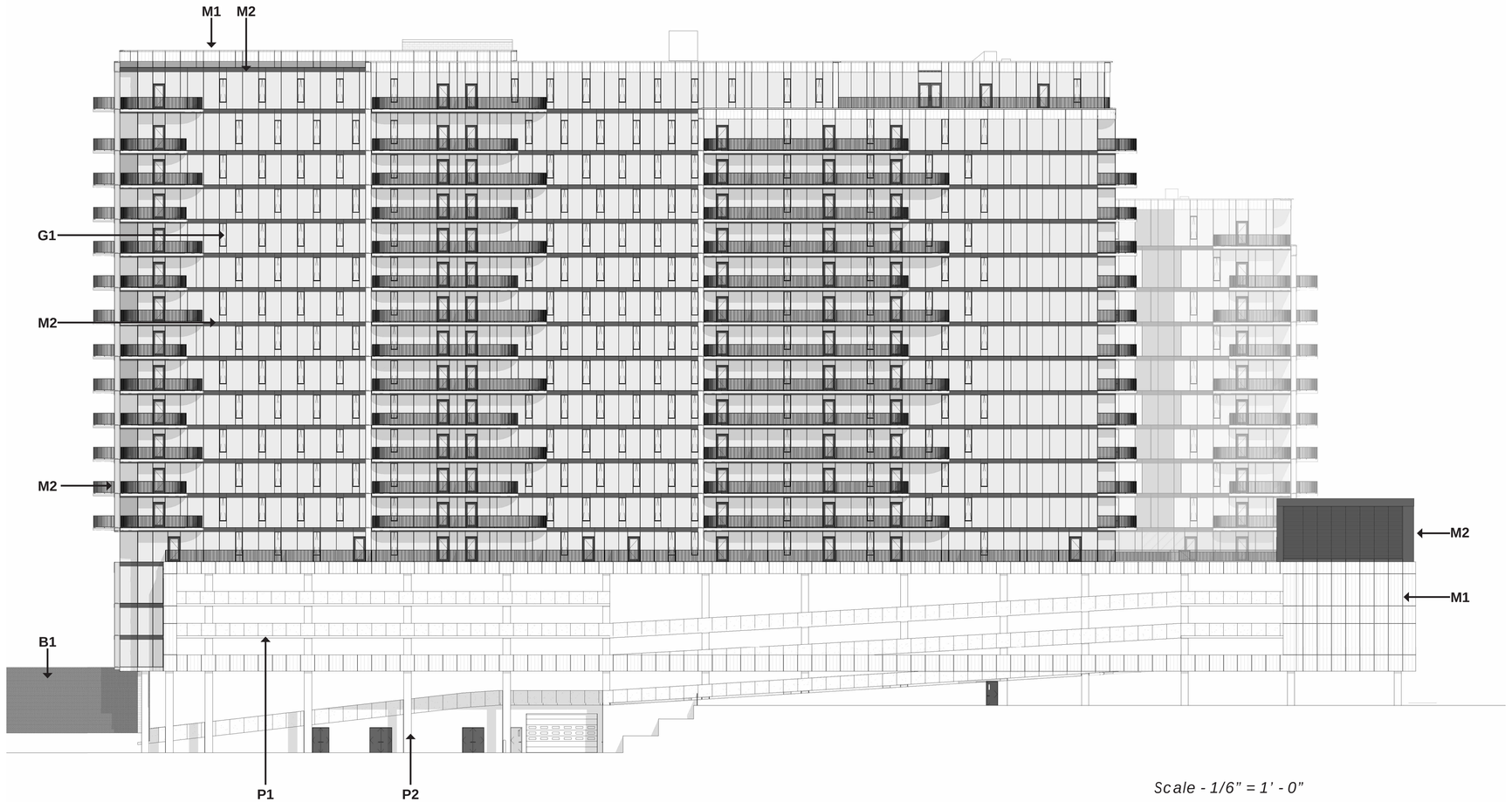
Metal - Bone White
UC43359 Color Match

M2

Metal - Graphite Gray
UC110628F Color Match

M3

Metal - Anodic Bronze
UC126180F Color Match



Scale - 1/6" = 1' - 0"

MATERIAL LEGEND:

G1	M1	P2
G2	M2	S1
G3	M3	B1
G4	P1	

Other Materials

S1

Stone - Absolute Black
'Honed' Finish



B1

Brick
Iron Spot Velour

P1

Paint
RAL 7037 Dusty Grey

P2

Paint
RAL 7021 Black Grey

Glass Materials

G1

Insulated Glazing Unit
CSG LB51

G2

Insulated Glazing Unit
CSG SJ79

G3

Insulated Glazing Unit
CSG Super 86

G4

Insulated Glazing Unit
CSG LB51 w/ frit

BLVD | ktgy

Metal Materials

M1

Metal - Bone White
UC43359 Color Match

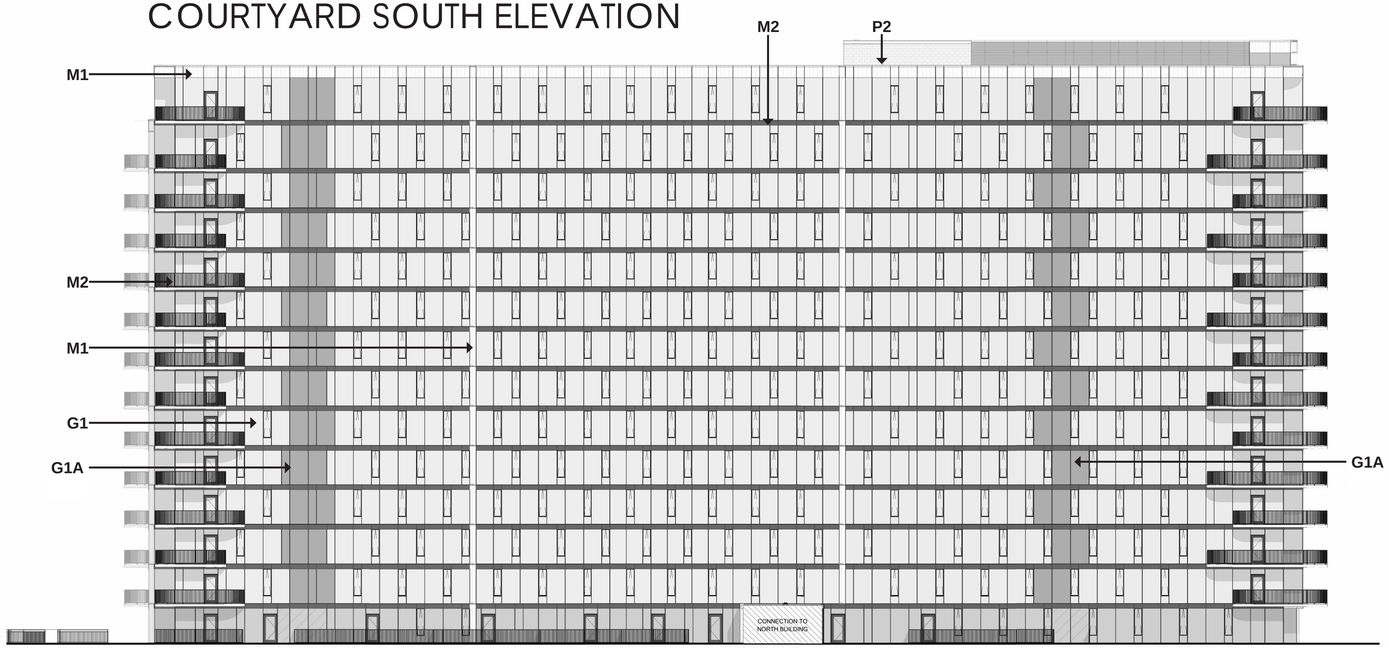
M2

Metal - Graphite Gray
UC110628F Color Match

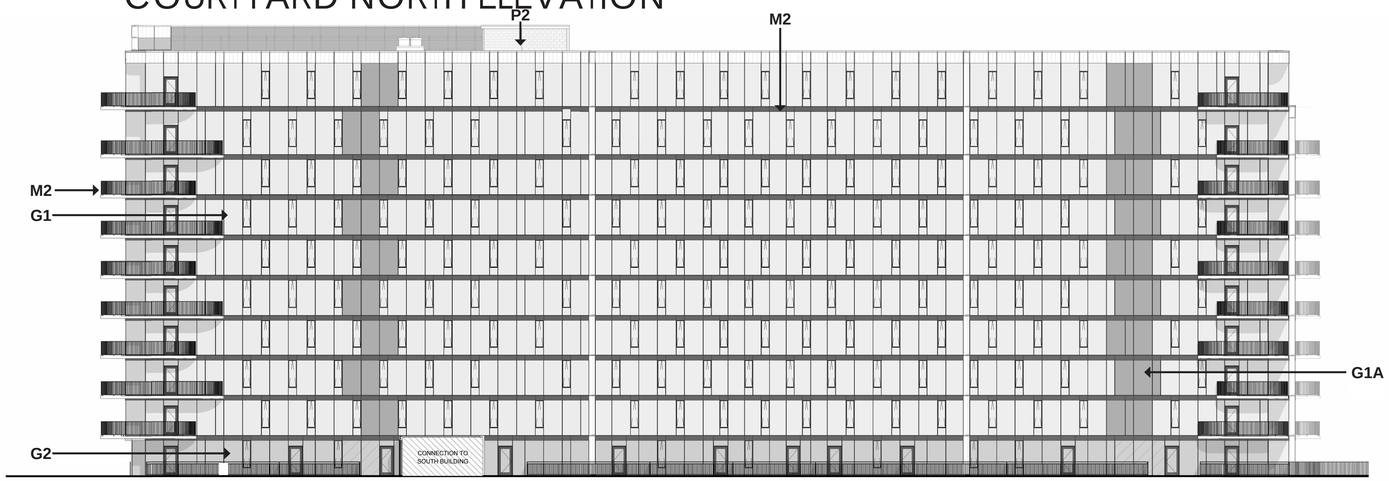
M3

Metal - Anodic Bronze
UC126180F Color Match

COURTYARD SOUTH ELEVATION



COURTYARD NORTH ELEVATION



MATERIAL LEGEND:

G1	M1	P2
G2	M2	S1
G3	M3	B1
G4	P1	

Other Materials

S1

Stone - Absolute Black
'Honed' Finish

B1

Brick
Iron Spot Velour

P1

Paint
RAL 7037 Dusty Grey

P2

Scale - 1/6" = 1' - 0"

Paint
RAL 7021 Black Grey

Glass Materials

G1

Insulated Glazing Unit
CSG LB51

G2

Insulated Glazing Unit
CSG SJ79

G3

Insulated Glazing Unit
CSG Super 86

G4

Insulated Glazing Unit
CSG LB51 w/ frit



View from Southeast - All Phases

File #: 25-2343 **Agenda Date:** 12/18/2025 **Agenda #:** 3.

2825-2835 N Mayfair Rd - Return to Board - Latitude 43 - New Multi-Family

L A T I T U D E 4 3

2 8 2 5 - 2 8 3 5 N M A Y F A I R W A U W A T O S A W I 5 3 2 1 3



PERSPECTIVES USED TO CONVEY GENERAL LOOK OF THE DESIGN.
SEE SUBSEQUENT DRAWINGS FOR DETAILS AND DIMENSIONS.

CONTACT INFORMATION

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CONTACT:
JOE GALBRAITH
jrg@galbraithcarnahan.com

ABBREVIATIONS

#	Pound OR Number
&	And
@	At

A

ACT	Acoustic Ceiling Tile
AD	Area Drain
AFF	Above Finished Floor
ALUM	Aluminum
ANOD	Anodized
APPROX	Approximately

B

BES	Bank Equipment Supplier
BLKG	Blocking
BLKHD	Bulkhead
BRG	Bearing
BSMT	Basement
BW	Both Ways
BYND	Beyond
BO	Bottom Of
BOT	Bottom

C

CABT	Cabinet
CIP	Cast In Place
CHNL	Channel
CJ	Control Joint
CL	Closet
CLG	Ceiling
CLR	Clear
CM	Construction Manager
CMU	Concrete Masonry Unit
COL	Column
COMPR	Compressible
CONC	Concrete
CONC BLK	Concrete Block
CONT	Continuous
CONTR	Contractor
CPT	Carpet
CRS	Course
CT	Ceramic Tile
CTB	Ceramic Tile Base
CTYD	Courtyard

D

DBL	Double
DEMO	Demolish or Demolition
DIA	Diameter
DIM	Dimension
DIMS	Dimensions
DISP	Dispenser
DN	Down
DR	Door
DRWR	Drawer
DS	Downspout
DTL	Detail
DW	Dishwasher
DWG	Drawing

E

EA	Each
EIFS	Exterior Insulation Finish System
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator or Elevation
EPDM	Ethylene Propylene Diene M-Class (Roofing)
EQ	Equal
ETR	Existing To Remain
EXIST	Existing
EXP	Expansion
EXP JT	Expansion Joint
EXT	Exterior

F

FD	Floor Drain or Fire Department
FE	Fire Extinguisher
FEC	Fire Extinguisher Cabinet
FIN FLR	Finished Floor
FIXT	Fixture
FLR	Floor
FLSHG	Flashing
FM	Filled Metal
FO	Face Of
FT	Foot
FTG	Footing
FND	Foundation

G

GA	Gauge
GALV	Galvanized
GB	Grab Bar
GWB	Gypsum Wall Board

H

HC	Hollow Core
HDWD	Hardwood
HDR	Header
HI	High
HM	Hollow Metal
HORIZ	Horizontal
HP	High Point
HR	Hour
HT	Height
HRDBD	Hardboard
HVAC	Heating, Ventilating, And Air Conditioning

I

IRGWB	Impact Resistant Gypsum Wall Board
ILO	In Lieu Of
INSTR	Instructions
INSUL	Insulated or Insulation
INT	Interior

J

JNT	Joint

M

MAX	Maximum
MFR	Manufacturer
MO	Masonry Opening
MECH	Mechanical
MEMBR	Membrane
MICRO	Microwave
MIN	Minimum
MISC	Miscellaneous
MRDW	Moisture Resistant Dry Wall
MRGWB	Moisture-Resistant Gypsum Wall Board
MTL	Metal
MTR	Mortar
MTRL	Material

N

NIC	Not In Contract
NO	Number
NOM	Nominal

O

OC	On Center
OH	Opposite Hand
OPNG	Opening
OZ	Ounce

P

PCC	Pre-Cast Concrete
PLUMB	Plumbing
PLAM	Plastic Laminate
PLUMB	Plumbing
PLYWD	Plywood
P&SH	Pole & Shelves / Shelf
PREFIN	Prefinished
PT	Pressure Treated
PNT	Paint or Painted
PVC	Polyvinyl Chloride

R

RB	Rubber Base
RBR	Rubber
RCP	Reflected Ceiling Plan
RD	Roof Drain
REF	Refrigerator
REINF	Reinforced
REQD	Required
RM	Room

S

SHTHG	Sheathing
SF	Sheet Flooring
SIM	Similar
SPEC	Specified OR Specification
SPK	Sprinkler or Speaker
SS	Stainless Steel
ST	Stain
STC	Sound Transmission Coefficient
STL	Steel
STRUCT	Structure or Structural

T

T&G	Tongue And Groove
TELE	Telephone
TLT	Toilet
TO	Top Of
TOC	Top Of Concrete
TOS	Top Of Steel
TPD	Toilet Paper Dispenser
T/D	Telephone/Data
TYP	Typical

U

UNO	Unless Noted Otherwise
U/S	Underside

V

VB	Vinyl Base
VCT	Vinyl Composition Tile
VERT	Vertical
VIF	Verify In Field
VP	Vision Panel
VWC	Vinyl Wall Covering

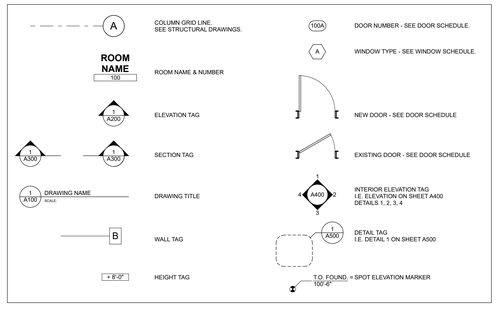
W

W	With
WD	Wood
WDW	Window

UNIT MATRIX

STUDIO: 17
1 BEDROOM: 52
2 BEDROOM: 20
3 BEDROOM: 3
TOTAL: 92

SYMBOL KEY



SHEET INDEX

ID	NAME
G100	COVER SHEET
C-1.0	CIVIL COVER SHEET
C-2.0	GENERAL NOTES
C-3.0	EXISTING CONDITIONS & DEMOLITION PLAN
C-4.0	SITE DIMENSIONAL PLAN
C-5.0	GRADING AND EROSION CONTROL PLAN
C-6.0	UTILITY PLAN
C-7.0	CONSTRUCTION DETAILS
C-7.1	CONSTRUCTION DETAILS
C-7.2	CONSTRUCTION DETAILS
A100	FIRST FLOOR PLAN
A101	SECOND FLOOR PLAN
A102	THIRD FLOOR PLAN
A103	FOURTH FLOOR PLAN
A104	FIFTH FLOOR PLAN
A105	ROOF PLAN
A130	TYPICAL UNIT PLANS
A131	TYPICAL UNIT PLANS
A132	TYPICAL UNIT PLANS
A200	ELEVATIONS
A201	ELEVATIONS
A300	BUILDING SECTIONS
A301	WALL SECTIONS
A500	ASSEMBLY TYPES
A501	ASSEMBLY TYPES
A900	RENDERINGS

NOT FOR CONSTRUCTION

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www.galbraithcarnahan.com

CONSULTANTS:

CONTRACTOR

STAMP

LATITUDE 43
2825 - 2835 N MAYFAIR WAUWATOSA WI 53213

DRAWING ISSUE	DATE
DRB SET	12.09.2025

PROJECT # 24.20

COVER SHEET

G100

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CIVIL ENGINEERING PLANS

FOR

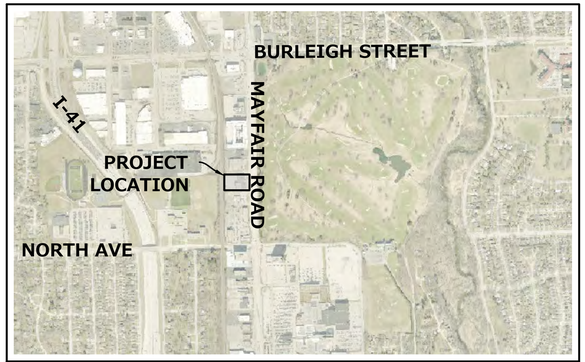
LATITUDE 43

CITY OF WAUWATOSA

PLANS PREPARED
FOR

KGI CONSTRUCTION GROUP

2861 HWY 175, SUITE 100
RICHFILED, WI 53076



LOCATION MAP
SCALE: 1" = 1000'

LEGEND

	EXISTING	PROPOSED
SANITARY SEWER MANHOLE		
STORM SEWER MANHOLE		
STORM SEWER CATCH BASIN (ROUND CASTING)		
STORM SEWER CATCH BASIN (RECTANGULAR CASTING)		
PRECAST FLARED END SECTION		
VALVE BOX		
FIRE HYDRANT		
CLEANOUT		
SANITARY SEWER		
STORM SEWER		
WATER MAIN	W	W
ELECTRICAL CABLE	E	E
GAS MAIN	G	G
TELEPHONE LINE	T	T
UTILITY CROSSING		
LIGHTING		
ELECTRICAL TRANSFORMER OR PEDESTAL		
POWER POLE		
POWER POLE WITH LIGHT		
GUY WIRE		
STREET SIGN		
CONTOUR	749	749
SPOT ELEVATION	×(750.00)	+750.00
WETLANDS		
FLOODWAY		
FLOODPLAIN		
HIGH WATER LEVEL (HWL)		
NORMAL WATER LEVEL (NWL)		
DIRECTION OF SURFACE FLOW		
DITCH OR SWALE		
DIVERSION SWALE		
OVERFLOW RELIEF ROUTING		
TREE WITH TRUNK SIZE	6"	6"
SOIL BORING		
TOPSOIL PROBE		
FENCE LINE, TEMPORARY SILT	SF	SF
FENCE LINE, WIRE		
FENCE LINE, CHAIN LINK OR IRON		
FENCE LINE, WOOD OR PLASTIC		
CONCRETE SIDEWALK		
CURB AND GUTTER		
DEPRESSED CURB		
REVERSE PITCH CURB & GUTTER		
EASEMENT LINE		

ABBREVIATIONS

BL	BASE LINE	MH	MANHOLE
BP	BOTTOM OF PIPE	NWL	NORMAL WATER LEVEL
C	LONG CHORD OF CURVE	PC	POINT OF CURVATURE
C & G	CURB AND GUTTER	PT	POINT OF TANGENCY
CB	CATCH BASIN	PVI	POINT OF VERTICAL INTERSECTION
CL	CENTERLINE	R	RADIUS
D	DEGREE OF CURVE	ROW	RIGHT-OF-WAY
EP	EDGE OF PAVEMENT	SAN	SANITARY SEWER
FF	FINISHED FLOOR	ST	STORM SEWER
FG	FINISHED GRADE	T	TANGENCY OF CURVE
FL	FLOW LINE	TB	TOP OF BANK
FP	FLOODPLAIN	TC	TOP OF CURB
FR	FRAME	TF	TOP OF FOUNDATION
FW	FLOODWAY	TP	TOP OF PIPE
FYG	FINISHED YARD GRADE	TS	TOP OF SIDEWALK
HWL	HIGH WATER LEVEL	TW	TOP OF FOUNDATION WALL
INV	INVERT	WM	WATER MAIN
L	LENGTH OF CURVE	△	INTERSECTION ANGLE

GENERAL NOTES

1. THE INTENTION OF THE PLANS AND SPECIFICATIONS IS TO SET FORTH PERFORMANCE AND CONSTRUCTION MATERIAL STANDARDS FOR THE PROPER EXECUTION OF WORK. ALL WORKS CONTAINED WITHIN THE PLANS AND SPECIFICATIONS SHALL BE COMPLETED IN ACCORDANCE WITH ALL REQUIREMENTS FROM LOCAL, STATE, FEDERAL OR OTHER GOVERNING AGENCY'S LAWS, REGULATIONS, JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., AND THE OWNER'S DIRECTION.
2. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY <GEOTECH FIRM> ON <DATE>, FOR THE PROJECT SITE. THE DATA ON SUB-SURFACE SOIL CONDITIONS IS NOT INTENDED AS A REPRESENTATION OR WARRANTY OF THE CONTINUITY OF SUCH CONDITIONS BETWEEN BORINGS OR INDICATED SAMPLING LOCATIONS. IT SHALL BE EXPRESSLY UNDERSTOOD THAT OWNER WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN THERE FROM BY THE CONTRACTOR. DATA IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY ADDITIONAL SOILS INVESTIGATIONS THEY FEEL IS NECESSARY FOR THE PROPER EVALUATION OF THE SITE FOR PURPOSES OF PLANNING, BIDDING, OR CONSTRUCTING THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND UNDERSTAND ALL COMPONENTS OF THE PLANS AND SPECIFICATIONS, INCLUDING FIELD VERIFYING SOIL CONDITIONS, PRIOR TO SUBMISSION OF A BID PROPOSAL.
4. THE CONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES LEARNED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COMPUTATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR'S BID SHALL BE BASED ON IT'S OWN COMPUTATIONS AND IN NO SUCH INSTANCE RELY ON THE ENGINEER'S ESTIMATE.
6. QUESTIONS/CLARIFICATIONS WILL BE INTERPRETED BY ENGINEER/OWNER PRIOR TO THE AWARD OF CONTRACT. ENGINEER/OWNER WILL SUBMIT OFFICIAL RESPONSES IN WRITING. INTERPRETATIONS PRESENTED IN OFFICIAL RESPONSES SHALL BE BINDING ON ALL PARTIES ASSOCIATED WITH THE CONTRACT. IN NO WAY SHALL WORD-OF-MOUTH DIALOG CONSTITUTE AN OFFICIAL RESPONSE.
7. PRIOR TO START OF WORK, CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL CONDITIONS OF THE SITE, AND SHALL ACCOUNT FOR CONDITIONS THAT AFFECT, OR MAY AFFECT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LIMITATIONS OF WORK ACCESS, SPACE LIMITATIONS, OVERHEAD OBSTRUCTIONS, TRAFFIC PATTERNS, LOCAL REQUIREMENTS, ADJACENT ACTIVITIES, ETC. FAILURE TO CONSIDER SITE CONDITIONS SHALL NOT BE CAUSE FOR CLAIM OF JOB EXTRAS.
8. COMMENCEMENT OF CONSTRUCTION SHALL EXPLICITLY CONFIRM THAT THE CONTRACTOR HAS REVIEWED THE PLANS AND SPECIFICATIONS IN ENTIRETY AND CERTIFIES THAT THEIR SUBMITTED BID PROPOSAL CONTAINS PROVISIONS TO COMPLETE THE PROJECT, WITH THE EXCEPTION OF UNFORESEEN FIELD CONDITIONS; ALL APPLICABLE PERMITS HAVE BEEN OBTAINED; AND CONTRACTOR UNDERSTANDS ALL OF THE REQUIREMENTS OF THE PROJECT.
9. SHOULD ANY DISCREPANCIES OR CONFLICTS IN THE PLANS OR SPECIFICATIONS BE DISCOVERED AFTER THE AWARD OF CONTRACT, ENGINEER SHALL BE NOTIFIED IN WRITING IMMEDIATELY AND CONSTRUCTION OF ITEMS AFFECTED BY THE DISCREPANCIES/CONFLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A WRITTEN RESPONSE FROM ENGINEER/OWNER IS DISTRIBUTED. IN THE EVENT OF A CONFLICT BETWEEN REFERENCED CODES, STANDARDS, SPECIFICATIONS AND PLANS, THE ONE ESTABLISHING THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.
10. THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, OBTAIN ALL NECESSARY PERMITS AND LICENSES TO COMPLETE THE PROJECT. OBTAINING PERMITS, OR DELAYS, IS NOT CAUSE FOR DELAY OF THE CONTRACT OR SCHEDULE. CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.
11. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
12. THE CONTRACTOR SHALL NOTIFY ALL INTERESTED GOVERNING AGENCIES, UTILITY COMPANIES AFFECTED BY THIS CONSTRUCTION PROJECT, AND DIGGER'S HOTLINE IN ADVANCE OF CONSTRUCTION TO COMPLY WITH ALL JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., PERMIT STIPULATIONS, AND OTHER APPLICABLE STANDARDS. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES A STREET OCCUPANCY PERMIT FROM THE CITY.
13. SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO INITIATE, INSTITUTE, ENFORCE, MAINTAIN, AND SUPERVISE ALL SAFETY PRECAUTIONS AND JOB SITE SAFETY PROGRAMS IN CONNECTION WITH THE WORK.
14. CONTRACTOR SHALL KEEP THE JOBSITE CLEAN AND ORDERLY AT ALL TIMES. ALL LOCATIONS OF THE SITE SHALL BE KEPT IN A WORKING MANNER SUCH THAT DEBRIS IS REMOVED CONTINUOUSLY AND ALL RESPECTIVE CONTRACTORS OPERATE UNDER GENERAL "GOOD HOUSEKEEPING."
15. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
16. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR SEWER & WATER IN WISCONSIN, AND WISCONSIN ADMINISTRATIVE CODE, SPS 360, 382-383, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
17. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY- EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.
18. THE MUNICIPALITY SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF THE PUBLIC PORTIONS OF THE WORK. THE OWNER SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF ALL PRIVATE PORTIONS OF THE WORK.
19. ALL SPECIFIC EROSION AND SEDIMENT CONTROL FACILITIES MUST BE INSTALLED PRIOR TO DEMOLITION, CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE EROSION CONTROL PLAN FOR MORE DETAILS. INSPECTIONS SHALL BE MADE WEEKLY OR AFTER EVERY RAINFALL OF 0.5" OR MORE. REPAIRS SHALL BE MADE IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY.
20. ANY ADJACENT PROPERTIES OR ROAD RIGHT-OF-WAYS WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR.
21. THE OWNER SHALL HAVE THE RIGHT TO HAVE ALL MATERIALS USED IN CONSTRUCTION TESTED FOR COMPLIANCE WITH THESE SPECIFICATIONS.

INDEX OF SHEETS

C-1.0	COVER SHEET
C-2.0	GENERAL NOTES
C-3.0	EXISTING CONDITIONS & DEMOLITION PLAN
C-4.0	SITE DIMENSIONAL PLAN
C-5.0	GRADING AND EROSION CONTROL
C-6.0	UTILITY PLAN
C-7.0 TO C-7.2	CONSTRUCTION DETAILS
L-1	CONCEPT LANDSCAPE PLAN
L-2	LANDSCAPE GENERAL NOTES & DETAILS

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BENCHMARKS AND DATUM

BASIS OF BEARINGS: WISCONSIN STATE PLAN COORDINATE SYSTEM, SOUTH ZONE, NAD 1983.

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988.

SITE BENCH MARK: WEST ARROW BOLT OF HYDRANT ON WEST SIDE OF MAYFAIR ROAD, LOCATED 835 FEET NORTH OF CENTER STREET, ELEVATION: 740.57

ADDRESS: 2835 MAYFAIR ROAD
PARCEL TAXKEY: 2999987000

ADDRESS: 2825 MAYFAIR ROAD
PARCEL TAXKEY: 2999986000

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EXPIRATION DATE: JULY 31, 2026

PINNACLE ENGINEERING GROUP, LLC
ENGINEER'S LIMITATION

PINNACLE ENGINEERING GROUP, LLC AND THEIR CONSULTANTS DO NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE DELIVERABLES HEREIN BEYOND A REASONABLE DILIGENCE. IF ANY MISTAKES, OMISSIONS, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE DELIVERABLES, THE ENGINEER SHALL BE PROMPTLY NOTIFIED PRIOR TO BID SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ENGINEER OF SUCH CONDITIONS SHALL ABSOLVE THE ENGINEER FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH FAILURE. ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT TO THE ENGINEER, OR IN CONTRADICTION TO THE ENGINEER'S DELIVERABLES OR RECOMMENDATIONS, SHALL BECOME THE RESPONSIBILITY NOT OF THE ENGINEER BUT OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION.

FURTHERMORE, PINNACLE ENGINEERING GROUP, LLC IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY OR THE MEANS AND METHODS OF CONSTRUCTION.

DRAFTED: JJS
DESIGNED: JJS
REVIEWED: APM

PLAN | DESIGN | DELIVER
www.pinnacle-engr.com

PINNACLE ENGINEERING GROUP
ENGINEERING | NATURAL RESOURCES | SURVEYING

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CHICAGO | MILWAUKEE | NATIONWIDE

LATITUDE 43
2825 MAYFAIR RD, WAUWATOSA, WI
TAXKEYS: 2999986000 & 2999987000

COVER SHEET

REVISIONS

PEG JOB No. 6675.00
PEG PM APM
START DATE 10/23/25
SCALE N.T.S.

SHEET
C-1.0
OF
C-7.2

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COVER SHEET

Z:\PROJECTS\2025\6675.00-WI\CAD\SHEETS\6675.00-WI COVER SHEET.DWG

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DEMOLITION AND CLEARING NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE APPROPRIATE GOVERNMENTAL ENTITIES ARE NOTIFIED OF THE WORK AND NECESSARY PERMITS ARE OBTAINED.
2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ITEMS/DEBRIS, CLASSIFICATION, AND PROPER DISPOSAL. (E.G. - ARRANGE FOR ADEQUATE COLLECTION AND TRANSPORTATION TO DELIVER THE RECOVERED MATERIALS TO THE APPROVED RECYCLING CENTER OR PROCESSING FACILITY). CONTRACTOR SHALL MAINTAIN RECORDS ACCESSIBLE TO THE OWNER AND GOVERNMENT ENTITIES.
3. THE CONTRACTOR SHALL CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS IN MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
4. THE CONTRACTOR SHALL CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES DESIGNATED TO REMAIN.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION AS REQUIRED FOR SAFETY AND SECURITY.
6. THE CONTRACTOR SHALL PROVIDE BARRIERS AND APPROPRIATE SIGNS WHERE NECESSARY TO RESTRICT PEDESTRIANS FROM WANDERING INTO CONSTRUCTION AREAS. PROVIDE ACCEPTABLE TEMPORARY SECURITY BARRIERS WHERE PHYSICAL SECURITY OF BUILDINGS OR FENCES IS COMPROMISED DUE TO DEMOLITION WORK..
7. THE CONTRACTOR SHALL ERECT TEMPORARY ENCLOSURES AS NECESSARY TO LIMIT DUST. USE WATER AS NECESSARY TO LAY DUST WHEN CHIPPING, CORING, OR SAWING CONCRETE, MASONRY OR SIMILAR MATERIALS. WATER MUST BE CONTROLLED INSIDE BUILDINGS BY DAMMING, OR OTHER CONTAINMENT METHOD.
8. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF STRUCTURES AND ADJACENT FACILITIES THAT ARE NOT PART OF DEMOLITION.
9. THE CONTRACTOR SHALL COMPLETELY BACKFILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM UTILITY REMOVAL AND OTHER DEMOLITION WORK WITH CLOSE GRADED AGGREGATE OR COHESIVE STRUCTURAL FILL.
10. THE CONTRACTOR SHALL RESTORE ANY DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED.

SITE DIMENSIONAL AND PAVING PLAN NOTES:

1. ALL PAVING DIMENSIONS INCLUDING RADII ARE TO FACE OF CURB UNLESS NOTED.
2. ALL PROPOSED CURB AND GUTTER SHALL BE 18" STANDARD CURB AND GUTTER (SEE DETAIL) UNLESS OTHERWISE NOTED. CURB AND GUTTER DRAINING AWAY FROM THE FACE OF CURB IS NOTED AS REVERSE CURB AND GUTTER.
3. THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE (1-800-242-8511) PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
4. REFER TO ELECTRICAL & PHOTOMETRIC SHEETS FOR LIGHTING LOCATIONS, SPECIFICATIONS, AND DETAILS.
5. SEE ADDITIONAL NOTES AND DETAILS ON SITE DIMENSIONAL PLANS AND CONSTRUCTION DETAILS.
6. ALL PAVING SHALL CONFORM TO STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION CURRENT EDITION, HEREAFTER THIS PUBLICATION WILL BE REFERRED TO AS "STATE HIGHWAY SPECIFICATIONS," AND APPLICABLE CITY OF WAUWATOSA ORDINANCES, AND SPECIFICATIONS CONTAINED WITHIN THIS PLAN SET.
7. PAVEMENT MARKING SPECIFICATIONS-

   CODE AND STANDARDS - ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 646 OF THE STANDARD SPECIFICATIONS. MARKING DIMENSIONS, LOCATIONS, AND LAYOUT SHALL BE IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS 15c7 AND THE PLAN DOCUMENTS.

   SURFACE PREPARATION AND INSTALLATION - THOROUGHLY CLEAN SURFACES FREE OF DIRT, SAND, GRAVEL, OIL AND OTHER FOREIGN MATTER. CONTRACTOR RESPONSIBLE TO INSPECT EXISTING PAVEMENT SURFACES FOR CONDITIONS AND DEFECTS THAT WILL ADVERSELY AFFECT QUALITY OF WORK, AND WHICH CANNOT BE PUT INTO AN ACCEPTABLE CONDITION THROUGH NORMAL PREPARATORY WORK AS SPECIFIED.

   DO NOT PLACE MARKING OVER UNSOUND PAVEMENTS. IF THESE CONDITIONS EXIST, NOTIFY OWNER. STARTING INSTALLATION CONSTITUTES CONTRACTOR'S ACCEPTANCE OF SURFACE AS SUITABLE FOR INSTALLATION.

   LAYOUT MARKINGS USING GUIDE LINES, TEMPLATES AND FORMS. STENCILS AND TEMPLATES SHALL BE PROFESSIONALLY MADE TO INDUSTRY STANDARDS. "FREE HAND" PAINTING OF ARROWS, SYMBOLS, OR WORDING SHALL NOT BE ALLOWED. APPLY STRIPES STRAIGHT AND EVEN.

   PROTECT ADJACENT CURBS, WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PAINT.

   BARRICADE MARKED AREAS DURING INSTALLATION AND UNTIL THE MARKING PAINT IS DRIED AND READY FOR TRAFFIC.
8. ASPHALT PAVING SPECIFICATIONS-

   CODES AND STANDARDS - THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE HIGHWAY SPECIFICATIONS.

   WEATHER LIMITATIONS - APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 45° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° (4°C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C). FOR CONCRETE PAVEMENTS PLACEMENT IS NOT TO BE PERFORMED IF THE AMBIENT TEMPERATURE IN THE SHADE FALLS BELOW 35° F UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE ENGINEER. IF FREEZING TEMPERATURES ARE FORECASTED WITHIN 24 HOURS OF A POUR PROTECTIVE COATING WILL NEED TO BE APPLIED IN ACCORDANCE WITH 415.3.13.2 OF THE STANDARD SPECIFICATIONS.

   GRADE CONTROL - ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.

   CRUSHED AGGREGATE BASE COURSE - THE BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS.

   BINDER COURSE AGGREGATE - THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 315, STATE HIGHWAY SPECIFICATIONS.

   SURFACE COURSE AGGREGATE - THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 465, STATE HIGHWAY SPECIFICATIONS.

   ASPHALTIC MATERIALS - THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTIONS 455 AND 460, STATE HIGHWAY SPECIFICATIONS.

   SURFACE PREPARATION - NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
   THE CONTRACTOR IS RESPONSIBLE TO PERFORM A QUALITY MANAGEMENT PROGRAM (QMP) FOR PLACEMENT OF ALL PAVEMENTS IN ACCORDANCE WITH SECTIONS 460.2.8 FOR HMA AND 715 FOR PCC.
9. CONCRETE PAVING SPECIFICATIONS -
   CODES AND STANDARDS - THE PLACING, CONSTRUCTIONS AND COMPOSITION OF THE CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.

   CRUSHED AGGREGATE BASE COURSE - THE BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.

   SURFACE PREPARATION - NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.

GRADING NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL GRADES, ENSURE ALL AREAS DRAIN PROPERLY AND REPORT ANY DISCREPANCIES TO PINNACLE ENGINEERING GROUP PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
2. ALL EXISTING CONTOURS REPRESENT EXISTING SURFACE GRADES UNLESS OTHERWISE NOTED. ALL PROPOSED GRADES SHOWN ARE FINISH SURFACE GRADES UNLESS OTHERWISE NOTED.
3. SPOT ELEVATIONS REPRESENT THE GRADE ALONG THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
4. ALL EXCAVATIONS AND MATERIAL PLACEMENT SHALL BE COMPLETED TO DESIGN ELEVATIONS AS DEPICTED IN THE PLANS.
5. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATION(S) OF ALL GRADING QUANTITIES. WHILE PEG ATTEMPTS TO PROVIDE A COST-EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARD OF CARE, THEREFORE NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
6. THE CONTRACTOR MAY SOLICIT APPROVAL FROM ENGINEER/OWNER TO ADJUST FINAL GRADES FROM DESIGN GRADES TO PROVIDE AN OVERALL SITE BALANCE AS A RESULT OF FIELD CONDITIONS.
7. GRADING ACTIVITIES SHALL BE IN A MANNER TO ALLOW POSITIVE DRAINAGE ACROSS DISTURBED SOILS, WHICH MAY INCLUDE EXCAVATION OF TEMPORARY DITCHES TO PREVENT PONDING, AND IF NECESSARY PUMPING TO ALLEVIATE PONDING. CONTRACTOR SHALL PREVENT SURFACE WATER FROM ENTERING INTO EXCAVATIONS. IN NO WAY SHALL OWNER BE RESPONSIBLE FOR REMEDIATION OF UNSUITABLE SOILS CREATED/ORIGINATED AS A RESULT OF IMPROPER SITE GRADING OR SEQUENCING. CONTRACTOR SHALL SEQUENCE GRADING ACTIVITIES TO LIMIT EXPOSURE OF DISTURBED SOILS IN ACCORDANCE WITH THE APPROVED STORMWATER POLLUTION PREVENTION PLAN.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF ALL PAVEMENT BEARING SURFACES IN ACCORDANCE WITH PART 2 OF THE STATE STANDARDS. THE CONTRACTOR SHALL NOTIFY ENGINEER/OWNER IF PROPER COMPACTION CANNOT BE OBTAINED. THE PROJECT'S GEOTECHNICAL CONSULTANT SHALL DETERMINE WHICH IN-SITU SOILS ARE TO BE CONSIDERED UNSUITABLE SOILS. THE ENGINEER/OWNER AND GEOTECHNICAL TESTING CONSULTANT WILL DETERMINE IF REMEDIAL MEASURES WILL BE NECESSARY.
9. IN THE EVENT THAT ANY MOISTURE-DENSITY TEST(S) FAIL TO MEET SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL PERFORM CORRECTIVE WORK AS NECESSARY TO BRING THE MATERIAL INTO COMPLIANCE AND RETEST THE FAILED AREA AT NO COST TO THE OWNER.
10. WITH THE AUTHORIZATION OF THE ENGINEER/OWNER, MATERIAL THAT IS TOO WET TO PERMIT PROPER COMPACTION MAY BE SPREAD ON FILL AREAS IN AN EFFORT TO DRY. CONTRACTOR SHALL CLEARLY FIELD MARK THE EXTERIOR LIMITS OF SPREAD MATERIAL WITH PAINTED LATH AND SUBMIT A PLAN TO THE ENGINEER/OWNER THAT IDENTIFIES THE LIMITS. UNDER NO CONDITION SHALL THE SPREAD MATERIAL DEPTH EXCEED THE MOST RESTRICTIVE OF: THE EFFECTIVE TREATMENT DEPTH OF MACHINERY THAT WILL BE USED TO TURN OVER THE SPREAD MATERIAL; OR THE MAXIMUM COMPACTION LIFT DEPTH.
11. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER/OWNER IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION.
12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ADEQUATE AND SAFE TEMPORARY SHORING, BRACING, RETENTION STRUCTURES, AND EXCAVATIONS.
13. THE SITE SHALL BE COMPLETED TO WITHIN 0.10-FT (+/-) OF THE PROPOSED GRADES AS INDICATED WITHIN THE PLANS PRIOR TO PLACEMENT OF TOPSOIL OR AGGREGATE BASE. CONTRACTOR IS ENCOURAGED TO SEQUENCE CONSTRUCTION SUCH THAT THE SITE IS DIVIDED INTO SMALLER AREAS TO ALLOW STABILIZATION OF DISTURBED SOILS IMMEDIATELY UPON COMPLETION OF INDIVIDUAL SMALLER AREAS.
14. THE CONTRACTOR SHALL CONTACT "DIGGER'S HOTLINE" FOR LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR PROTECTING SAID UTILITIES FROM ANY DAMAGE DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL PROTECT INLETS AND ADJACENT PROPERTIES WITH SILT FENCING OR APPROVED EROSION CONTROL METHODS UNTIL CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL PLACE SILT FENCING AT DOWN SLOPE SIDE OF GRADING LIMITS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING FACILITIES OR UTILITIES. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
17. WORK WITHIN ANY ROADWAY RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPAL OFFICIAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FEES. GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS. RESTORATION OF RIGHT-OF-WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF GRADING. RESTORATION SHALL INCLUDE ALL ITEMS NECESSARY TO RESTORE RIGHT-OF-WAY IN-KIND INCLUDING LANDSCAPING.
18. THE CONTRACTOR SHALL COMPLY WITH ALL CITY OF WAUWATOSA CONSTRUCTION STANDARDS/ORDINANCES FOR WORK WITHIN THE RIGHT-OF-WAY.
19. LANDSCAPE AND TURF AREAS SHALL HAVE A MINIMUM OF 6-INCH TOPSOIL REPLACEMENT.
20. SURVEY BENCHMARKS AND MAPPING HAVE BEEN PROVIDED BY CHAPUT LAND SURVEY. IN NO WAY DOES PEG WARRANT THE BASEMAP IS ALL-INCLUSIVE OR REPRESENTATIVE OF ACTUAL CONDITIONS. CONTRACTOR SHALL PROVIDE CHECKS AS NECESSARY TO VERIFY THE BASEMAP CONTENT AND ACCURACY.

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL TECHNICAL STANDARDS AND PROVISIONS IN EFFECT AT THE TIME OF CONSTRUCTION. THESE PROCEDURES AND STANDARDS SHALL BE REFERRED TO AS BEST MANAGEMENT PRACTICES (BMP'S). IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THE BMP'S PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY OWNER/ENGINEER OR GOVERNING AGENCIES SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
3. MODIFICATIONS TO THE APPROVED SWPPP IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL MODIFICATIONS MUST BE APPROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN IN ORDER TO PROTECT ADJACENT PROPERTIES/STORM SEWER SYSTEMS FROM SEDIMENT TRANSPORT.
5. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION(S) WITH THE PROPER AUTHORITIES, PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER THAN AS SHOWN ON THE PLANS MUST BE APPROVED BY THE APPLICABLE GOVERNING AGENCIES PRIOR TO INSTALLATION.
6. PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST IMMEDIATELY AND AS REQUESTED BY THE GOVERNING AGENCIES.
7. ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS . ALL INLETS, STRUCTURES, PIPES, AND SWALES SHALL BE KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS.
8. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, WATER MAIN, ETC.) OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:

   PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.

   BACKFILL, COMPACT AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.

   DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH BMP'S PRIOR TO RELEASE INTO STORM SEWER OR DITCHES.
9. AT A MINIMUM, SEDIMENT BASINS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE BEGINNING OF SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF.
10. IF APPLICABLE, ALL WATERCOURSES AND WETLANDS SHALL BE PROTECTED WITH DOUBLE ROW OF SILT FENCE TO PREVENT ANY DIRECT DISCHARGE FROM DISTURBED SOILS.
11. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
12. TOPSOIL STOCKPILES SHALL HAVE A BERM OR TRENCH AROUND THE CIRCUMFERENCE AND PERIMETER SILT FENCE TO CONTROL SILT. IF TOPSOIL STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IS REQUIRED.
13. EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER IMMEDIATELY FOLLOWING COMPLETION OF SUCH ACTIVITIES OR PRIOR TO THE COMPLETION OF EACH WORK DAY, WHICH EVER OCCURS FIRST.
14. MAINTAIN SOIL EROSION CONTROL DEVICES THROUGH THE DUBATION OF THIS PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. DISTURBANCES ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
15. PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO AN APPROVED FILTER BAG OR APPROVED SETTLING DEVICE.
16. GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF FOURTEEN (14) DAYS REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH TECHNICAL STANDARDS.
17. ALL DISTURBED SLOPES EXCEEDING 4:1, SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S75BN EROSION MATTING (OR APPROVED EQUAL) AND ALL CHANNELS SHALL BE STABILIZED WITH NORTH AMERICAN GREEN C125BN (OR APPROVED EQUAL) OR APPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.
18. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOILS WHICH MAY OTHERWISE BECOME AIRBORNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE.
19. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM ON A DAILY BASIS.
20. QUALIFIED PERSONNEL (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH, OR MORE, PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERVAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH THE GENERAL PERMIT. CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.
21. SEE ADDITIONAL DETAILS AND NOTES ON SITE STABILIZATION AND CONSTRUCTION DETAILS.

CITY OF WAUWATOSA EROSION CONTROL NOTES:

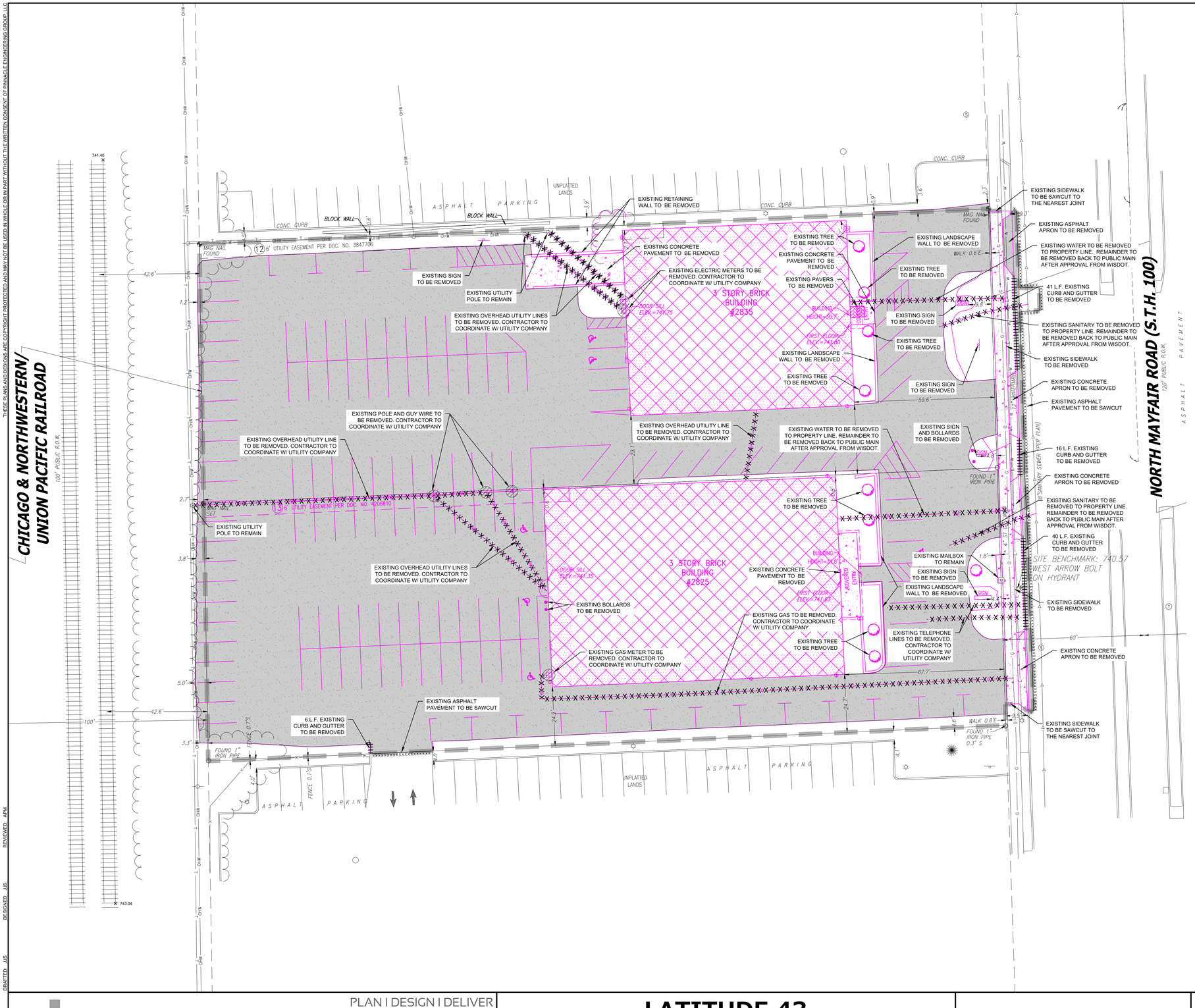
1. SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASINS OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICES SPECIFIED IN THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) HANDBOOK. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, ADJACENT SITE, OR RECEIVING CHANNELS.
2. WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
3. TRACKING. EACH SITE SHALL HAVE GRAVELED ROADS, ACCESS DRIVES AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING, TO THE SATISFACTION OF THE CITY, BEFORE THE END OF EACH WORKDAY. FLUSHING MAY NOT BE USED UNLESS SEDIMENT WILL BE CONTROLLED BY A SEDIMENT BASIN OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE SPECIFIED IN THE BMP HANDBOOK.
4. SEDIMENT CLEANUP. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORK DAY.
5. ALL ACTIVITIES ON THE SITE SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME.
6. ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN OR MORE DAYS SHALL BE STABILIZED BY TEMPORARY OR PERMANENT SEEDING,, TEMPORARY OR PERMANENT SEEDING AND MULCHING, SODDING, COVERING WITH TARPS, OR EQUIVALENT BEST MANAGEMENT PRACTICESD. IF TEMPORARY SEEDING IS USED, A PERMANENT COVER SHALL ALSO BE REQUIRED AS A PART OF THE FINAL SITE STABILIZATION. SEEDING OR SODDING SHALL BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION.
7. SOIL OR DIRT STORAGE PILES SHALL BE LOCATED A MINIMUM OF TWENTY-FIVE FEET FROM ANY DOWNSLIDE ROAD, LAKE, STREAM, WETLAND, OR DRAINAGE CHANNEL. STRAW BALE OR FILTER FABRIC FENCES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE PILES. IF REMAINING FOR MORE THAN SEVEN DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS OR OTHER MEANS.
8. WHEN DISTURBED AREA HAS BEEN STABILIZED NY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BEST MANAGEMENT PRACTICES SUCH AS FILTER FABRIC FENCES, STRAW BALES, SEDIMENT AND SEDIMENT TRAPS SHALL BE REMOVED.
9. NOTIFY THE CITY ENGINEERING DEPARTMENT (479-8934) WITHIN TWO WORKING DAYS OF COMMENCING ANY LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.
10. NOTIFY THE CITY OF COMPLETION OF ANY BEST MANAGEMENT PRACTICES WITHIN THE NEXT WORKING DAY AFTER THEIR INSTALLATION.
11. OBTAIN PERMISSION IN WRITING FROM THE CITY OF WAUWATOSA ENGINEERING DEPARTMENT PRIOR TO MODIFYING THE EROSION CONTROL PLAN.
12. REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM LAND DEVELOPMENT OR LAND DISTURBING ACTIVITIES.
13. INSPECT THE BEST MANAGEMENT PRACTICES AFTER EACH RAIN OF .5 INCH OR MORE AND AT LEAST ONCE EACH WEEK AND MAKE NEEDED REPAIRS

UTILITY NOTES:

1. EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND/OR TO AVOID DAMAGE THERETO. CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
2. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (LATEST EDITION AND ADDENDUM) AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
3. UTILITY CONSTRUCTION AND SPECIFICATIONS SHALL COMPLY WITH THE CITY OF WAUWATOSA SPECIAL PROVISIONS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES COMM 82.
4. LENGTHS OF PROPOSED UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS ARE SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPUTATIONS OF MATERIALS REQUIRED TO COMPLETE WORK. LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT EXISTING UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH FINISHED GRADES OF THE AREAS DISTURBED DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS, ELEVATIONS, AND SIZES OF PROPOSED UTILITIES AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS PRIOR TO ATTEMPTING CONNECTIONS AND BEGINNING UTILITY CONSTRUCTION AND NOTIFY THE OWNER OF ANY DISCREPANCIES OR CONFLICTS.
7. ALL ON-SITE SANITARY, STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER. EXCEPT FOR THOSE LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY WILL BE OWNED AND MAINTAINED BY THE CITY OF WAUWATOSA.
8. THE CONTRACTOR SHALL CONTACT THE CITY OF WAU

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NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

DEMOLITION LEGEND

- REMOVE EXISTING FEATURE
- REMOVE CONC. CURB & GUTTER
- REMOVE UTILITY (SEE DESCRIPTION ON PLANS)
- SAWCUT EXISTING PAVEMENT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING BUILDING
- REMOVE EXISTING UTILITY

EXISTING CONDITIONS SURVEY

EXISTING CONDITIONS SURVEY PROVIDED BY CHAPUT LAND SURVEYS. ALTHOUGH PEG HAS NO REASON TO BELIEVE THE SURVEY IS INACCURATE, PEG MAKES NO WARRANTS THAT EXISTING INFORMATION CONTAINED WITHIN THESE PLANS IS ALL-INCLUSIVE OR ACCURATE. CONTRACTOR SHALL UNDERTAKE NECESSARY EFFORTS TO VERIFY THE EXISTING CONDITIONS PRIOR TO THE START OF MATERIAL PROCUREMENT AND CONSTRUCTION EFFORTS/ACTIVITIES.

CONTRACTOR RESPONSIBILITY

THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. IF ADDITIONAL UTILITIES ARE KNOWN TO EXIST IN THE PROPERTY, THE OWNER WILL PROVIDE EXISTING PLANS OF OTHER UTILITIES SERVING THE SITE AND THE BUILDING THAT OTHERWISE CANNOT BE LOCATED BY A VISUAL OBSERVATION OF THE PROPERTY OR OF WHICH THE SURVEYOR WOULD HAVE NO KNOWLEDGE.

REFER TO SHEET #### FOR DEMOLITION AND CLEARING NOTES

ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES A STREET OCCUPANCY PERMIT FROM THE CITY.

REVIEWED: APM
DESIGNED: JJS
DRAFTED: JJS

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2825 MAYFAIR RD, WAUWATOSA, WI
TAXKEYS: 2999986000 & 2999987000

EXISTING CONDITIONS & DEMOLITION PLAN

REVISIONS

PEG JOB NO. 6675.00
PEG PM APM
START DATE 10/23/25
SCALE 1" = 20'

SHEET
C-3.0
OF
C-7.2

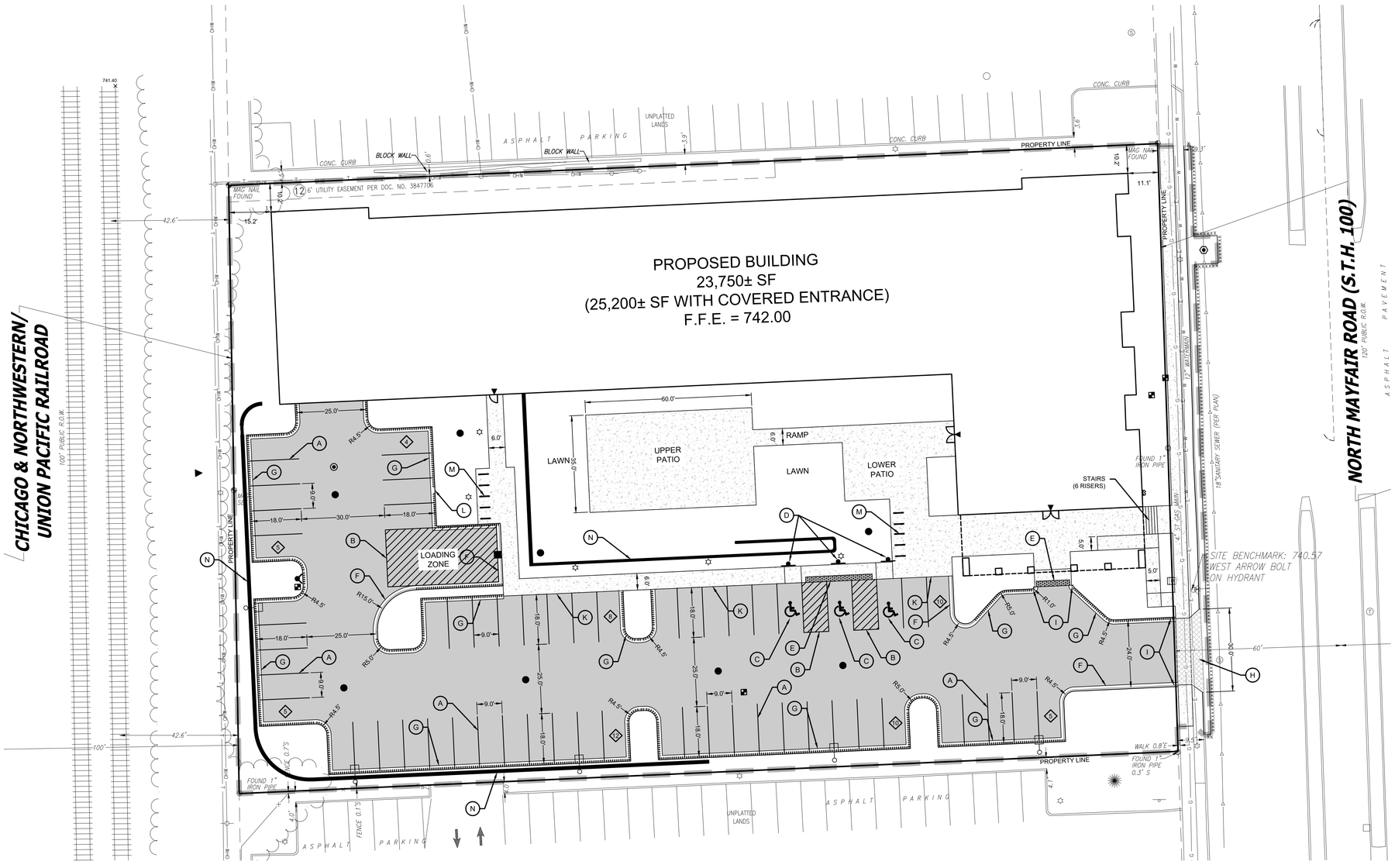
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EXISTING CONDITIONS & DEMOLITION PLAN

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NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

LEGEND

- LIGHT DUTY PAVEMENT
  - 8" CRUSHED AGGREGATE BASE COURSE (1-1/2" DENSE GRADED AGGREGATE)
  - 4" ASPHALTIC CONC. (2 LIFTS)
    - 2" BINDER LAYER (5 LT 58-28 S)
    - 2" SURFACE LAYER (4 LT 58-28 S)
- CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (1-1/2" DENSE GRADED AGGREGATE)
  - 8" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- CONCRETE SIDEWALK
  - 6" CRUSHED AGGREGATE BASE COURSE (1-1/2" DENSE GRADED AGGREGATE)
  - 5" PCC
- REGULAR 18" VERTICAL FACE CURB
- REVERSE 18" VERTICAL FACE CURB
- (A) SOLID PARKING STRIPE, 3" PAINT (WHITE)
- (B) SOLID DIAGONAL STRIPE AT 45° SPACED 2' O.C., 3" PAINT (WHITE)
- (C) ADA SYMBOL, PAINT (COLOR PER CODE)
- (D) HANDICAP PARKING SIGN (SEE DETAIL)
- (E) ADA COMPLIANT RAMP WITH TRUNCATED DOMES AND DEPRESSED CURB (SEE DETAIL)
- (F) REGULAR 18" VERTICAL FACE CURB (SEE DETAIL)
- (G) REVERSE 18" VERTICAL FACE CURB (SEE DETAIL)
- (H) DRIVEWAY APRON (SEE DETAIL)
- (I) TAPER CURB HEAD (SEE DETAIL)
- (K) INTEGRAL CURB & WALK (SEE DETAIL)
- (L) CURB CUT (SEE DETAIL)
- (M) BIKE RACK (SEE DETAIL)
- (N) RETAINING WALL (SEE DETAIL)
- MAN DOOR

SITE DATA TABLE

TOTAL PROPERTY AREA:	**73,952 SF (1.6977 AC)**
EXISTING IMPERVIOUS AREA:	**69,920 SF (1.6051 AC)**
EXISTING PERVIOUS AREA:	**4,032 SF (0.0926 AC)**
PROPOSED IMPERVIOUS AREA:	**53,212 SF (1.2216 AC)**
PROPOSED PERVIOUS AREA:	**20,740 SF (0.4761 AC)**
PROPOSED PERVIOUS RATIO:	**0.28**
TOTAL DISTURBANCE AREA:	**76,543 SF (1.7572 AC)**
NET IMPERVIOUS AREA DECREASE:	**15,883 SF (0.3646 AC)**
EXISTING PARKING STALL COUNT:	
- TOTAL PARKING STALLS:	154 STALLS
- SURFACE PARKING:	140 STALLS (5 ADA STALLS (1 VAN))
- INTERIOR PARKING:	14 STALLS
PROPOSED PARKING STALL COUNT:	
- REQUIRED PARKING STALLS:	105 STALLS
- PROVIDED PARKING STALLS:	110 STALLS
- SURFACE PARKING:	59 STALLS (3 ADA STALLS (1 VAN))
- INTERIOR PARKING:	51 STALLS (4 ADA STALLS (1 VAN))
PROPOSED BICYCLE PARKING STALL COUNT:	
- SHORT TERM BICYCLE PARKING:	
REQUIRED:	19 STALLS (1 SPACE PER 5 DWELLING)
PROVIDED:	20 STALLS
- LONG TERM BICYCLE PARKING:	
REQUIRED:	23 STALLS (1 SPACE PER 4 DWELLING)
PROVIDED:	23 STALLS
PROPOSED BUILDING UNIT BREAKDOWN:	
- STUDIO: 17 UNITS (18% UNIT TYPE)	
- 1 BEDROOM: 52 UNITS (57% UNIT TYPE)	
- 2 BEDROOM: 20 UNITS (22% UNIT TYPE)	
- 3 BEDROOM: 3 UNITS (3% UNIT TYPE)	
- TOTAL DWELLINGS: 92 UNITS	

EXISTING CONDITIONS SURVEY

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CONTRACTOR RESPONSIBILITY

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ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES A STREET OCCUPANCY PERMIT FROM THE CITY.

REVIEWED: APM
DESIGNED: JJS
DRAFTED: JJS

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CHICAGO | MILWAUKEE | NATIONWIDE

LATITUDE 43

2825 MAYFAIR RD, WAUWATOSA, WI
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SITE DIMENSIONAL PLAN

REVISIONS

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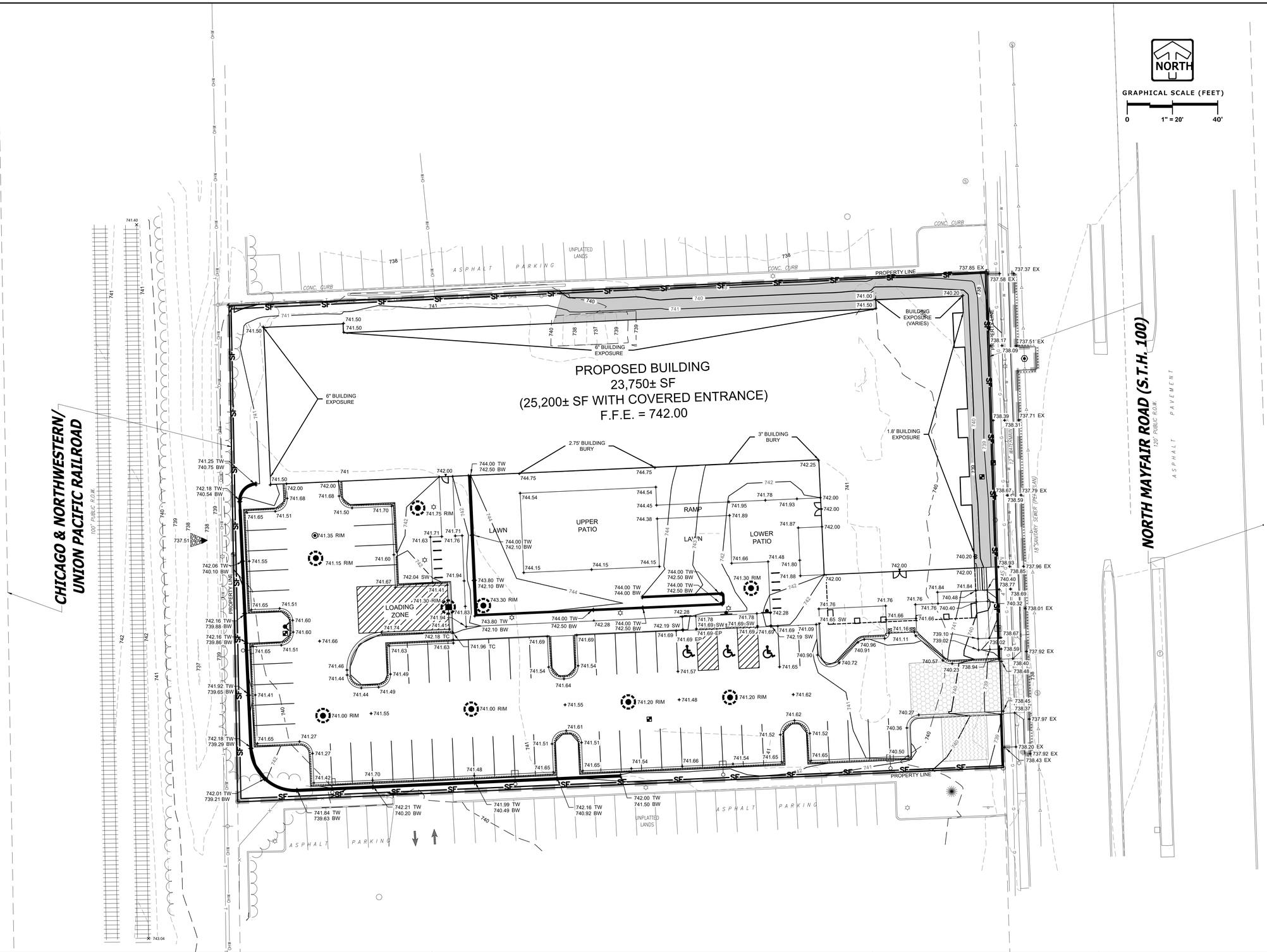
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SITE DIMENSIONAL PLAN

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LEGEND

- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN - ROUND CASTING
- STORM SEWER CATCH BASIN - RECTANGULAR CASTING
- PROPOSED FLARED END SECTION
- PROPOSED CONTOUR
- EXISTING CONTOUR
- DIRECTION OF SURFACE FLOW
- OVERLAND RELIEF ROUTING
- SILT FENCE
- INLET PROTECTION
- EROSION CONTROL BLANKET - CHANNEL: NORTH AMERICAN GREEN C125BN OR EQUAL - NON-CHANNEL: NORTH AMERICAN GREEN S75 OR EQUAL
- STOCKPILE
- TRACKING PAD - MANUFACTURE TRACKING PER WDNR TECHNICAL STANDARD 1057 - SEE DETAIL
- CONCRETE WASHOUT
- RIP RAP - SEE DETAIL
- DISTURBANCE LIMIT

REFER TO C-2.0 FOR GRADING NOTES, AND EROSION AND SEDIMENT CONTROL NOTES

REFER TO SHEETS C-7.0 THRU C-7.2 FOR CONSTRUCTION DETAILS

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CITY OF WAUWATOSA NOTES

1. NOTIFY THE CITY ENGINEERING DEPARTMENT (479-8934) WITHIN TWO WORKING DAYS OF COMMENCING ANY LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.
2. NOTIFY THE CITY OF COMPLETION OF ANY BEST MANAGEMENT PRACTICES WITHIN THE NEXT WORKING DAY AFTER THEIR INSTALLATION.
3. OBTAIN PERMISSION IN WRITING FROM THE CITY OF WAUWATOSA ENGINEERING DEPARTMENT PRIOR TO MODIFYING THE EROSION CONTROL PLAN.
4. INSPECT THE BEST MANAGEMENT PRACTICES AFTER EACH RAIN RAIN EVENT OF 0.5 INCHES OR MORE AND AT LEAST ONCE EACH WEEK AND MAKE REPAIRS.
5. SOIL OR DIRT STORAGE PILES SHALL BE LOCATED A MINIMUM OF TWENTY-FIVE FEET FROM ANY DOWNSTREAM ROAD, LAKE, STREAM, WETLAND OR DRAINAGE CHANNEL. STRAW BALE OR FILTER FABRIC FENCES SHALL BE PLACED ON THE DOWNSIDE OF THE PILES. IF REMAINING FOR MORE THEN SEVEN DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS OR OTHER MEANS.

REVIEWED: APM
DESIGNED: JJS
DRAFTED: JJS

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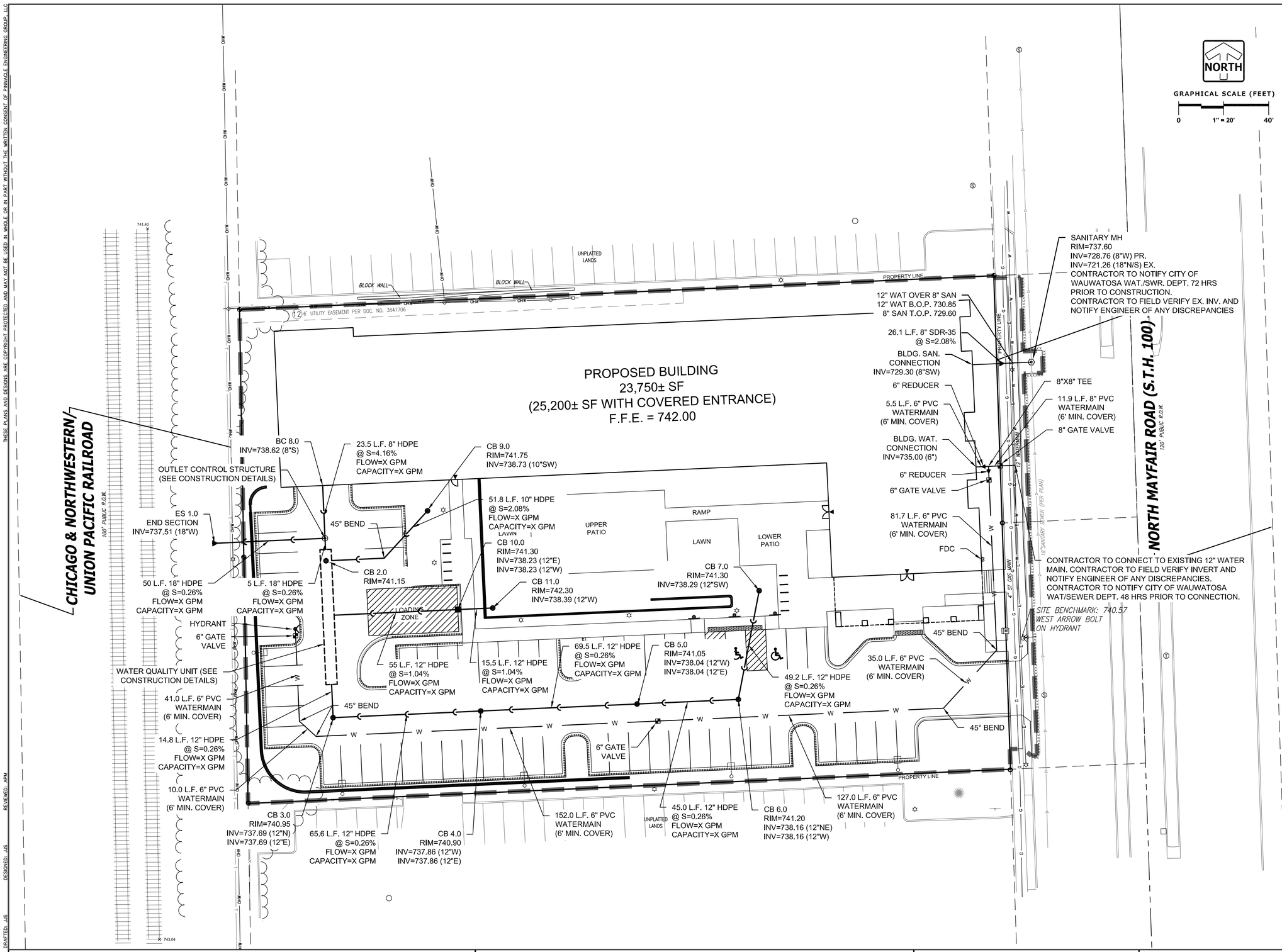
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GRADING AND EROSION CONTROL PLAN

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LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN - ROUND CASTING
- STORM SEWER CATCH BASIN - RECTANGULAR CASTING
- PROPOSED FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- LIGHT POLE
- ELECTRICAL TRANSFORMER OR PEDESTAL
- SANITARY SEWER
- STORM SEWER
- WATER MAIN
- UTILITY CROSSING
- ELECTRICAL SERVICE
- GAS MAIN
- TELEPHONE LINE

STRUCTURE SIZING SHALL BE CONFIRMED BY SUPPLIER

REFER TO C-2.0 FOR UTILITY NOTES

REFER TO SHEETS C-7.0 THRU C-7.2 FOR CONSTRUCTION DETAILS

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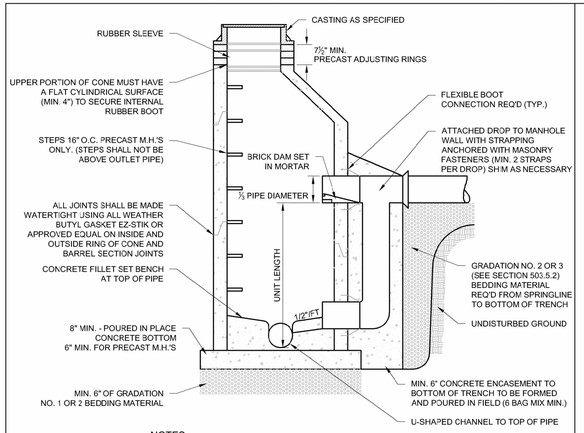
UTILITY PLAN

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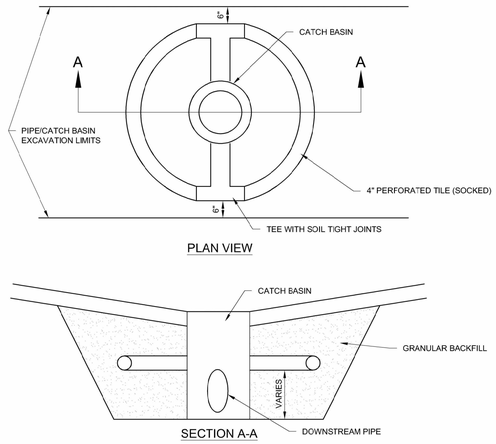


NOTES:

1. DROP PIPE AND FITTING SHALL BE SAME MATERIAL AND SIZE AS INCOMING SEWER. CONCRETE ENCASEMENT SHALL CURE FOR A MINIMUM OF 24 HOURS BEFORE TRENCH IS BACKFILLED.
2. MANHOLE TO BE IN ACCORDANCE WITH STANDARD SANITARY MANHOLE DETAIL.
3. INVERT OF DROP SEWER IS TO BE THE SAME ELEVATION AS THE SPRING LINE OF THE LARGEST MAIN LINE SEWER PIPE

OUTSIDE DROP MANHOLE

#401 01/25/13

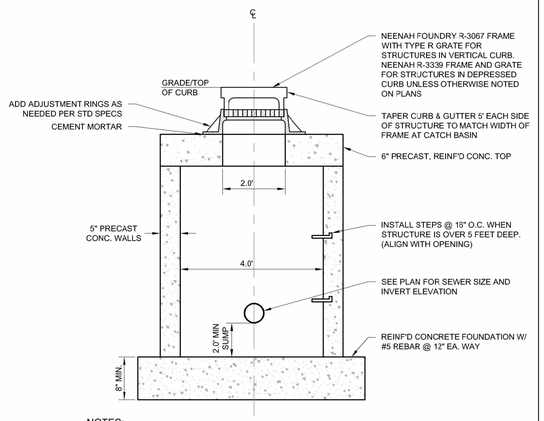


NOTES:

1. DRAINTILE INVERTS SHALL BE PLACED AT OR ABOVE CROWN OF DOWNSTREAM PIPE.

CATCH BASIN - UNDERDRAIN

#315 08/28/23

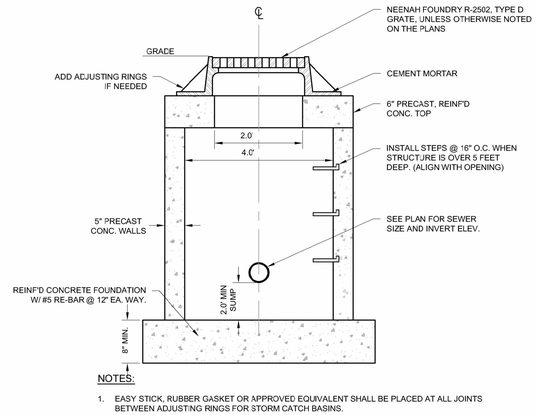


NOTES:

1. EASY STICK, RUBBER GASKET OR APPROVED EQUIVALENT SHALL BE PLACED AT ALL JOINTS BETWEEN ADJUSTING RINGS FOR STORM CATCH BASINS.
2. THE FLAT TOP MAY BE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT USE OF A TAPERED TOP.
3. STRUCTURES TO BE 4' DIA. OR AS INDICATED ON THE PLANS.

CATCH BASIN - CURB

#305 10-10-12

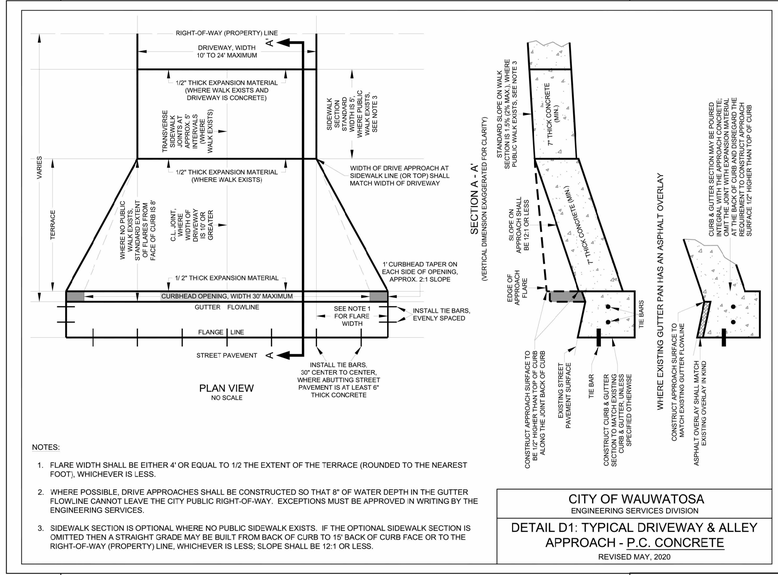


NOTES:

1. EASY STICK, RUBBER GASKET OR APPROVED EQUIVALENT SHALL BE PLACED AT ALL JOINTS BETWEEN ADJUSTING RINGS FOR STORM CATCH BASINS.
2. THE FLAT TOP MAY BE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT USE OF A TAPERED TOP.
3. STRUCTURE TO BE 4.0' DIA. CR AS INDICATED ON THE PLANS.

CATCH BASIN

#302 10-04-12



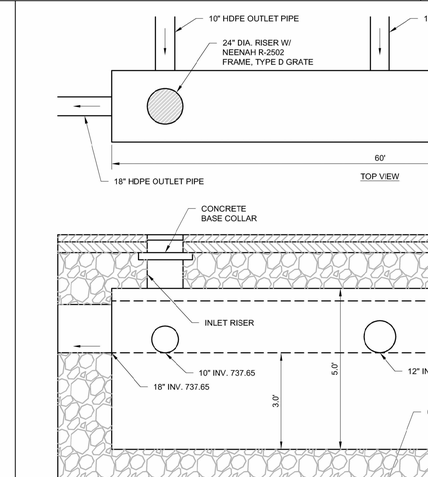
NOTES:

1. FLARE WIDTH SHALL BE EITHER 4' OR EQUAL TO 1/2 THE EXTENT OF THE TERRACE (ROUNDED TO THE NEAREST FOOT), WHICHEVER IS LESS.
2. WHERE POSSIBLE, DRIVE APPROACHES SHALL BE CONSTRUCTED SO THAT 8" OF WATER DEPTH IN THE GUTTER FLOWLINE CANNOT LEAVE THE CITY PUBLIC RIGHT-OF-WAY. EXCEPTIONS MUST BE APPROVED IN WRITING BY THE ENGINEERING SERVICES.
3. SIDEWALK SECTION IS OPTIONAL WHERE NO PUBLIC SIDEWALK EXISTS. IF THE OPTIONAL SIDEWALK SECTION IS OMITTED THEN A STRAIGHT GRADE MAY BE BUILT FROM BACK OF CURB TO 15' BACK OF CURB FACE OR TO THE RIGHT-OF-WAY (PROPERTY) LINE, WHICHEVER IS LESS; SLOPE SHALL BE 12:1 OR LESS.

CITY OF WAUWATOSA
ENGINEERING SERVICES DIVISION

DETAIL D1: TYPICAL DRIVEWAY & ALLEY APPROACH - P.C. CONCRETE

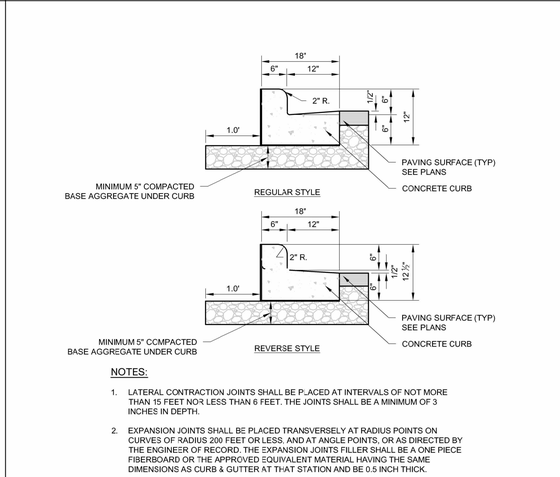
REVISED MAY, 2020



NOTES:

1. UNDERGROUND WATER QUALITY UNIT SHALL BE CONSTRUCTED USING HDPE PIPE AND FITTINGS. INSTALL PIPE AND FITTINGS PER MANUFACTURER'S RECOMMENDATIONS.
2. INSTALL INLET RISER AS INDICATED.
3. BASE COLLAR SHALL BE 4'X4' CONCRETE SLAB WITH A MINIMUM THICKNESS OF 6 INCHES.

WATER QUALITY UNIT

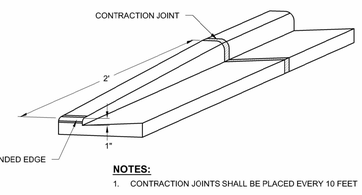


NOTES:

1. LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15 FEET NOR LESS THAN 6 FEET. THE JOINTS SHALL BE A MINIMUM OF 3 INCHES IN DEPTH.
2. EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT RADIUS POINTS ON CURVES OF RADIUS 200 FEET OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER OR RECORD. THE EXPANSION JOINTS FILLER SHALL BE A ONE PIECE FIBERBOARD OR THE APPROVED EQUIVALENT MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 0.5 INCH THICK.
3. IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.
4. REVERSE STYLE CURB LOCATIONS ARE NOTED ON THE PLANS.

18" VERTICAL FACE CURB

#602.W1 10-27-17

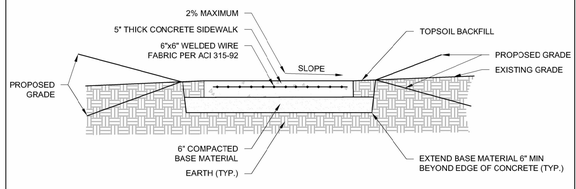


NOTES:

1. CONTRACTION JOINTS SHALL BE PLACED EVERY 10 FEET
2. EXPANSION JOIN'S (3/4" EXPANSION FIBER MATERIAL) SHALL BE PLACED EVERY 300 FEET AND AT EVERY PC/PT AND 3 FEET FROM STRUCTURES

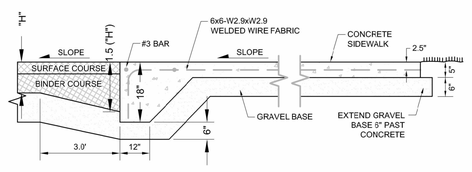
TAPER CURB HEAD

#620 10-11-12



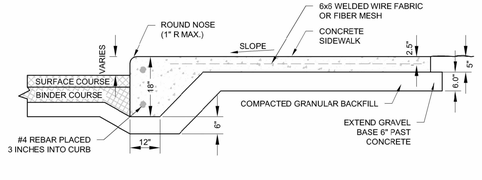
CONCRETE SIDEWALK

#607 10-11-13



WALK FLUSH WITH PAVEMENT

#624 4/30/12



INTEGRAL CURB AND SIDEWALK

#617 12-28-12

REVIEWED: APM
DESIGNED: MS
DRAFTED: MS

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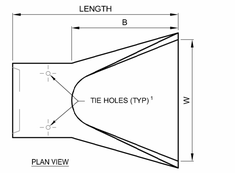
CONSTRUCTION DETAILS

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PIPE DIAMETER D	LENGTH	T	A	B	W	WEIGHT PER SECTION
INCHES	FEET	INCHES	INCHES	INCHES	INCHES	LBS.
12	6'-0"	2	4	24	24	530
15	6'-0"	2 1/4	6	27	30	740
18	6'-0"	2 1/2	9	27	36	990
21	6'-0"	2 3/4	9	36	42	1280
24	6'-0"	3	9 1/2	43 1/2	48	1520
27	6'-0"	3 1/4	10 1/2	49 1/2	54	1930
30	6'-0"	3 1/2	12	54	60	2190
33	6'-6"	3 3/4	13 1/2	58 1/2	66	3850
36	8'-2"	4	15	63	72	4100
42	8'-2"	4 1/2	21	63	78	5380
48	8'-2"	5	24	72	84	5550
54	8'-2 1/2"	5 1/2	27	65	90	8240
60	8'-3"	6	35	60	96	8730

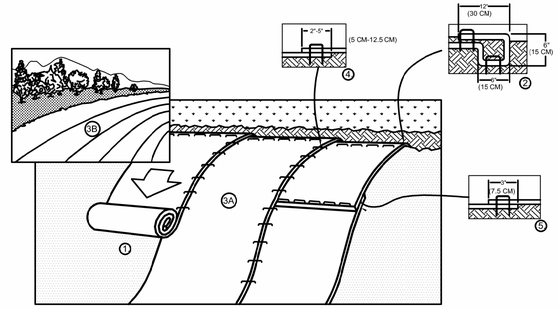


NOTES:

1. CONNECT CONCRETE FLARED END SECTION TO PREVIOUS PIPE SECTION USING TIE-BOLTS.
2. FOR PIPES 12" OR GREATER, END SECTIONS SHALL BE CONSTRUCTED OF RCP.
3. FOR PIPES LESS THAN 12", END SECTIONS SHALL BE CONSTRUCTED OF CMP.

FLARED END SECTION

#312 082824

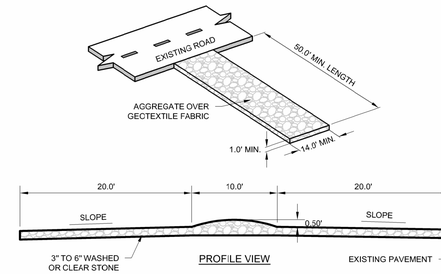


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM , STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE: "IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION MATTING - SLOPE INSTALLATION

1392, 1107876



PROFILE VIEW

NOTES:

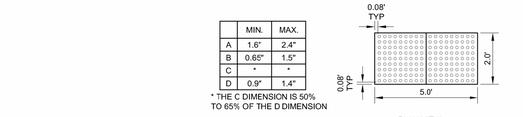
1. TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. CONTRACTOR SHALL VERIFY LOCATION WITH OWNER.
2. THE AGGREGATE FOR TRACKING PADS SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3, OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATIONS 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS III COMPACTION.
3. THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12-INCHES THICK. ON SITES WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PAD, THE PAD SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC WHICH MEETS MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV, TO PREVENT MIGRATION OF UNDERLYING SOILS INTO THE STONE LAYER.
4. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT. MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC AND 20 FEET FOR TWO-WAY TRAFFIC, WITH AN ADDITIONAL INCREASE OF 4 FEET FOR TRAILER TRAFFIC. THE TRACKING PAD SHALL BE A MINIMUM 50-FEET LONG.
5. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, AT THE END OF EACH WORKING DAY.
6. TRACKING PADS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24-HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5-INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
7. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

CONSTRUCTION ENTRANCE

#107-1, 10-02-12

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION



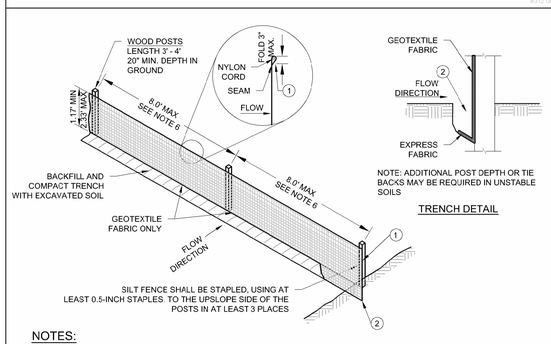
TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL

NOTES:

1. DETECTABLE WARNING FIELDS TO BE NEENAH FOUNDRY DETECTABLE WARNING FIELDS (OR APPROVED EQUAL), UNPAINTED NATURAL COLOR AND FIELD WEATHERED PRIOR TO INSTALLATION (VERIFY COLOR WITH OWNER PRIOR TO INSTALLATION.

DETECTABLE WARNING TRUNCATED DOMES

#708, 4-2021



NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

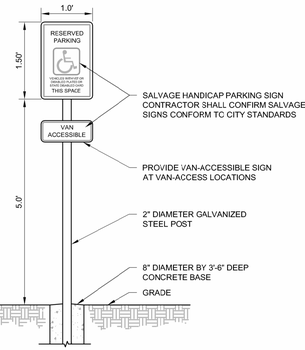
TRENCH DETAIL

NOTES:

1. ALL SILT FENCE MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH WI DNR TECHNICAL STANDARD 1056.
2. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
3. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 8-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
4. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
5. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY.
6. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE, WHERE APPLICABLE.
7. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8-FEET FOR WOVEN AND 3-FEET FOR NON-WOVEN).

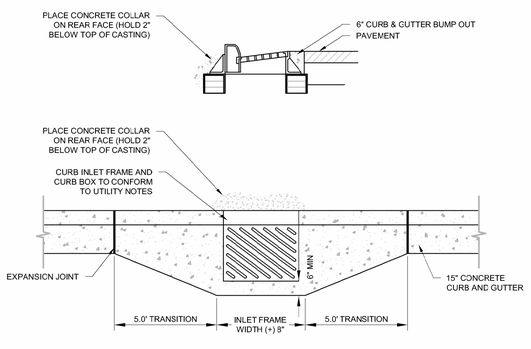
SILT FENCE

#100-C, 07-03-12



ADA SIGN

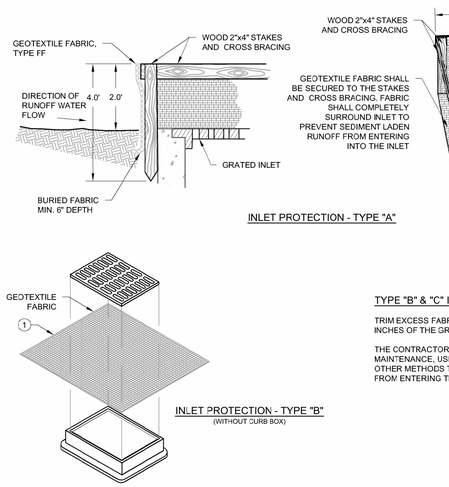
#706, 10-11-12



NOTE : CURB CONTRACTOR TO VERIFY POSITION AND ELEVATION OF FRAME AND GRATE PRIOR TO POUR. IF NOT CORRECT, FIVE (5) FOOT TRANSITION AREA TO BE LEFT UNPOURED UNTIL SITUATION IS CORRECTED BY CONTRACTOR.

CURB AND GUTTER BUMP OUT

#622, 10-10-13



INLET PROTECTION - TYPE "A"

NOTES:

1. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, WITH AN EOS OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
2. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

(1) FINISHED SIZE, INCLUDING FLAP POCKET WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

(2) FOR INLET PROTECTION, TYPE "C" (WITH CURB BOX), AN ADDITIONAL 18 INCHES OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

(3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

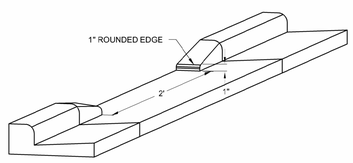
TYPE "B" & "C" INSTALLATION NOTES

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 INCHES OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHODS TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

INLET PROTECTION

#104, 04-24-13

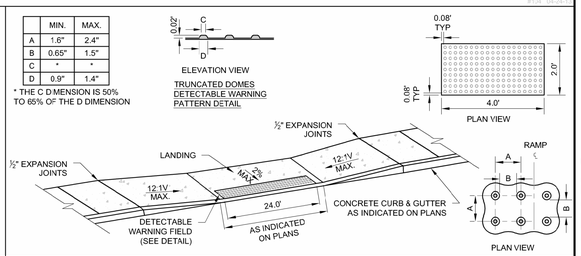


CURB CUT

#628, 10/27/14

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION



TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL

TYPICAL ACCESSIBLE RAMP

#708, 4-2021

DRAFTED JJS
DESIGNED JJS
REVIEWED APM

PLAN | DESIGN | DELIVER
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PINNACLE ENGINEERING GROUP
ENGINEERING | NATURAL RESOURCES | SURVEYING

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CHICAGO | MILWAUKEE | NATION/WIDE

LATITUDE 43

2825 MAYFAIR RD, WAUWATOSA, WI

TAXKEYS: 2999986000 & 2999987000

CONSTRUCTION DETAILS

REVISIONS

PEG JOB No. 6675.00
PEG PM APM
START DATE 10/23/25
SCALE N.T.S.

SHEET
C-7.1
OF
C-7.2

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CONSTRUCTION DETAILS

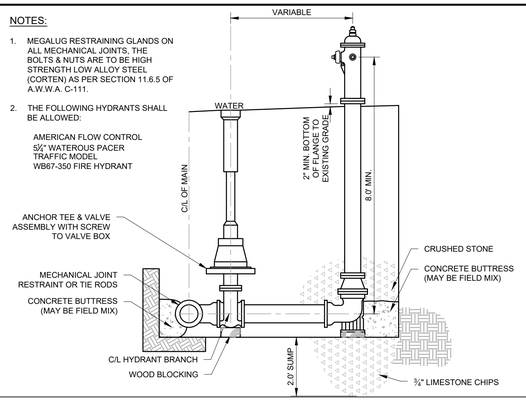
Z:\PROJECTS\2025\6675.00-WI\CAD\SHEETS\6675.00-WI CONSTRUCTION DETAILS.DWG

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NOTES:

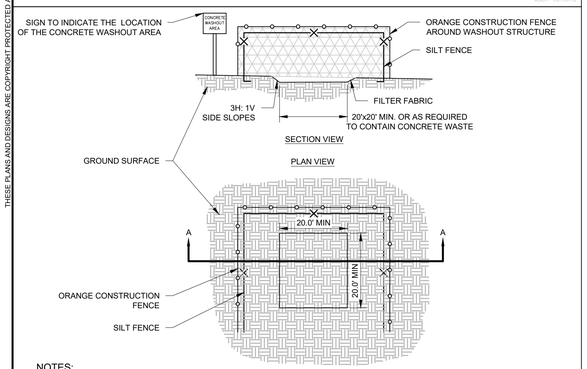
1. MEGALUG RESTRAINING GLANDS ON ALL MECHANICAL JOINTS, THE BOLTS & NUTS ARE TO BE HIGH STRENGTH LOW ALLOY STEEL (CORTEN) AS PER SECTION 11.6.5 OF A.W.W.A. C-111.
2. THE FOLLOWING HYDRANTS SHALL BE ALLOWED:

   AMERICAN FLOW CONTROL
   5½" WATEROUS PACER
   TRAFFIC MODEL
   WB67-350 FIRE HYDRANT



FIRE HYDRANT

#501 10-10-12

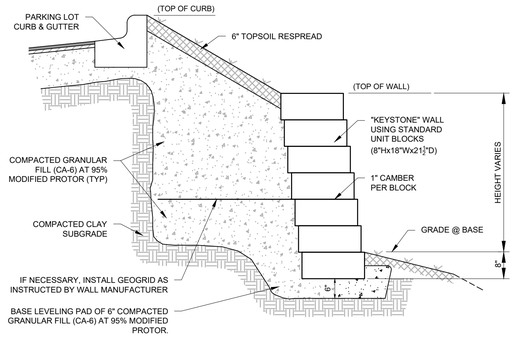


NOTES:

1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. VEHICLE TRACKING CONTROL IS REQUIRED AT CONCRETE WASHOUT ENTRANCE IF ACCESS TO CONCRETE WASHOUT AREA IS OFF PAVEMENT.
3. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND/OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTE CONCRETE.
4. WASTE MATERIAL FROM CONCRETE WASHOUT OPERATIONS MUST BE REMOVED AND LEGALLY DISPOSED OF WHEN IT HAS ACCUMULATED TWO-THIRDS OF THE WET STORAGE CAPACITY OF THE STRUCTURE.
5. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT AN APPROVED SITE.
6. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED.

CONCRETE WASHOUT AREA

#130 12/29/12



NOTES:

1. RETAINING WALL DETAIL IS CONCEPTUAL AND SCHEMATIC ONLY. THE CONTRACTOR MUST SUBMIT INFORMATION ON THE PRODUCT CHOSEN (I.E. "KEYSTONE" OR EQUIVALENT) INCLUDING A STATEMENT FROM THE MANUFACTURER THAT THE PRODUCT IS SUITABLE FOR THE PROPOSED APPLICATION. THIS INFORMATION SHALL BE SUBMITTED TO THE OWNER, THE ENGINEER, AND THE VILLAGE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR AND MANUFACTURER OF RESPONSIBILITY FOR THE WALL. THE CONTRACTOR SHALL ADHERE STRICTLY TO THE MANUFACTURER'S SPECIFICATIONS AND DESIGN REQUIREMENTS DURING CONSTRUCTION.
2. WALL TO BE SET WITH BOTTOM OF FIRST BLOCK 8" BELOW GRADE AT FACE OF WALL.

KEYSTONE RETAINING WALL

#833 3/31/15

1.0 POTENTIAL POLLUTANT SOURCES

GIVEN THE PROPOSED ACTIVITY ON THE PROJECT SITE, THE PRIMARY POTENTIAL POLLUTANT SOURCE ASSOCIATED WITH THIS CONSTRUCTION PROJECT IS SOIL EROSION AND TRANSPORTATION; REFER TO SECTION 4 OF THIS PLAN. ADDITIONAL POTENTIAL SOURCES OF POLLUTION MAY INCLUDE: FUEL TANKS, WASTE CONTAINERS, OIL OR OTHER PETROLEUM PRODUCTS, DETERGENTS, PAINTS, CONSTRUCTION DEBRIS, SANITARY STATIONS, FERTILIZERS, AND DUST; REFER TO SECTION 5 OF THIS PLAN.

2.0 EROSION AND SEDIMENT CONTROL IMPLEMENTATION

THE FOLLOWING ARE DESCRIPTIONS OF THE EROSION AND SEDIMENT CONTROL PRACTICES THAT SHALL BE IMPLEMENTED DURING CONSTRUCTION OF THIS PROJECT. IN ADDITION TO THESE MEASURES, CONTRACTOR SHALL DISTURB ONLY AREAS NECESSARY TO COMPLETE THE CONSTRUCTION PROJECT. ALL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES (BMP).

2.1 CONSTRUCTION AND EROSION CONTROL SEQUENCING

CONSTRUCTION SEQUENCING WILL BE UTILIZED AS A MEANS OF CONTROLLING EROSION AND LIMITING SEDIMENT TRANSPORT. SEQUENCING AS LISTED BELOW IS GENERAL IN NATURE AND MAY VARY DEPENDING ON WEATHER CONDITIONS AND/OR PHASING OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SITE SEQUENCING PLAN TO OWNER FOR APPROVAL AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM 6 AS NEEDED TO COMPLETE CONSTRUCTION ONLY IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL REQUIREMENTS.

CONSTRUCTION PHASE 1

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCES, INLET PROTECTION ON EXISTING STORM SEWER, AND PERIMETER SILT FENCING RELATED TO THE CONSTRUCTION OF THE PROPOSED CANOPY AND DEMOLITION OF THE EXISTING CANOPY. INSTALL SILT LOG ALONG THE PERIMETER OF PROPOSED TOPSOIL STOCKPILE LOCATIONS. THE FIRST TOPSOIL DEPOSITED WITHIN THE STOCKPILE LIMITS SHALL BE PLACED TO CREATE TEMPORARY BERMING ALONG THE SILT FENCE TO PREVENT DIRECT STORMWATER RUNOFF AGAINST SILT FENCING.
   ANTICIPATED START DATE: MAY, 2025 ANTICIPATED END DATE: MAY, 2025
2. CONDUCT SITE DEMOLITION, ROUGH GRADING OPERATIONS, UTILITY PIPING INSTALLATION, AND CONSTRUCTION RELATED TO THE PROPOSED CANOPY CONSTRUCTION. INLET PROTECTION SHALL BE INSTALLED TO PROTECT ANY STORM SEWER OR CULVERTS THAT WILL FUNCTION DURING CONSTRUCTION.
   ANTICIPATED START DATE: MAY, 2025 ANTICIPATED END DATE: NOVEMBER, 2025
3. FINE GRADE SUB-GRADE SOILS WITHIN PAVEMENT LIMITS AND REMAINING DISTURBED AREAS AROUND PROPOSED CANOPY. PLACE STONE BASE MATERIAL AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS. PLACE SALVAGED TOPSOIL, EROSION BLANKETS/MATTING, AND SEED/MULCH AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.
   ANTICIPATED START DATE: NOVEMBER, 2025 ANTICIPATED END DATE: DECEMBER, 2025
4. CONDUCT SITE DEMOLITION, ROUGH GRADING OPERATIONS, AND CONSTRUCTION RELATED TO THE REMOVAL OF THE EXISTING CANOPY.
   ANTICIPATED START DATE: FEBRUARY, 2026 ANTICIPATED END DATE: MARCH, 2026
5. FINE GRADE SUB-GRADE SOILS WITHIN PAVEMENT LIMITS AND REMAINING DISTURBED AREAS AROUND EXISTING CANOPY. PLACE STONE BASE MATERIAL AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS. PLACE SALVAGED TOPSOIL, EROSION BLANKETS/MATTING, AND SEED/MULCH AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.
   ANTICIPATED START DATE: MARCH, 2026 ANTICIPATED END DATE: APRIL, 2026
6. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SILT FENCE, TEMPORARY FENCING/PRETECTION, DITCH CHECKS, AND OTHER TEMPORARY CONTROLS, AND RESTORATION PRACTICES AS NECESSARY, TO THE SATISFACTION OF THE OWNER.
   ANTICIPATED START DATE: APRIL , 2026 ANTICIPATED END DATE: JUNE, 2026

CONSTRUCTION PHASE 2

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCES, INLET PROTECTION ON EXISTING STORM SEWER, AND PERIMETER SILT FENCING RELATED TO THE CONSTRUCTION OF THE EAST COURTYARD GARDEN LANDSCAPING. TOPSOIL STOCKPILE IS NOT ANTICIPATED DURING THIS PHASE OF CONSTRUCTION.
   ANTICIPATED START DATE: MARCH, 2026 ANTICIPATED END DATE: APRIL, 2026
2. CONDUCT SITE DEMOLITION, ROUGH GRADING OPERATIONS, UTILITY PIPING INSTALLATION, AND CONSTRUCTION RELATED TO THE EAST COURTYARD GARDEN LANDSCAPING. INLET PROTECTION SHALL BE INSTALLED TO PROTECT ANY STORM SEWER OR CULVERTS THAT WILL FUNCTION DURING CONSTRUCTION.
   ANTICIPATED START DATE: APRIL, 2026 ANTICIPATED END DATE: JUNE, 2026
3. FINE GRADE SUB-GRADE SOILS WITHIN PATIO/SIDEWALK LIMITS AND REMAINING DISTURBED AREAS RELATED TO THE CONSTRUCTION OF THE EAST COURTYARD GARDEN LANDSCAPING. PLACE STONE BASE MATERIAL AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS. PLACE TOPSOIL, EROSION BLANKETS/MATTING, AND SEED/MULCH AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.
   ANTICIPATED START DATE: JUNE, 2026 ANTICIPATED END DATE: JULY, 2026
4. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SILT FENCE, TEMPORARY FENCING/PRETECTION, DITCH CHECKS, AND OTHER TEMPORARY CONTROLS, AND RESTORATION PRACTICES AS NECESSARY, TO THE SATISFACTION OF THE OWNER.
   ANTICIPATED START DATE: JULY, 2026 ANTICIPATED END DATE: OCTOBER, 2026

2.2 STABILIZATION PRACTICES

THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED, SHALL BE RECORDED ON THE STABILIZATION SCHEDULE FOR MAJOR GRADING ACTIVITIES.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED UNLESS:

THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION MEASURE SHALL BE INITIATED AS SOON AS PRACTICABLE.

CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITIES CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS). IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED. SEE THE SOIL PROTECTION CHART PRESENTED IN THE CONSTRUCTION DOCUMENTS FOR RATES OF PERMANENT AND TEMPORARY VEGETATION.

STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES.

PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED LANDSCAPING PLAN
TEMPORARY SEEDING MAY CONSIST OF SPRING OATS (100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LBS/ACRE)
HYDRO-MULCHING WITH A TACKIFIER
GEOTEXTILE EROSION MATTING
SODDING

2.3 STRUCTURAL PRACTICES

THE FOLLOWING ARE DESCRIPTIONS OF STRUCTURAL PRACTICES TO BE IMPLEMENTED TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS, OR OTHERWISE LIMIT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE INCLUDING THE PROPOSED AND EXISTING WETLAND AREAS. SUCH PRACTICES COULD INCLUDE SILT FENCE, PROTECTION FENCE, CONSTRUCTION ENTRANCE, DITCH CHECK, EROSION CONTROL MATTING, DIVERSION BERMS/WALE, SEDIMENT TRAP, LEVEL SPREADER, INLET PROTECTION, OUTLET PROTECTION, AND TEMPORARY OR PERMANENT SEDIMENT BASIN. THE FOLLOWING STRUCTURAL PRACTICES ARE TO BE UTILIZED DURING THIS PROJECT.

SILT FENCE SHALL BE PLACED DOWN SLOPE OF DISTURBED AREAS OF THE CONSTRUCTION SITE AND AROUND THE PERIMETER OF THE TOPSOIL STOCKPILE. THIS INCLUDES PROTECTION OF EXISTING WETLAND AREAS TO BE MAINTAINED. SILT FENCE MAY ALSO BE USED AS A TEMPORARY CONTROL DEVICE WHERE SEDIMENTATION RUNOFF IS DISCOVERED.

CONSTRUCTION ENTRANCE SHALL BE INSTALLED TO REDUCE SOIL EROSION POLLUTANTS FROM LEAVING THE SITE DURING CONSTRUCTION ACTIVITIES. IF THE CRUSHED STONE DOES NOT ADEQUATELY REMOVE MUD FROM VEHICLE TIRES, THEY SHALL BE HOSED OFF BEFORE ENTERING A PAVED ROADWAY. ANY SOIL DEPOSITED ON THE PUBLIC PAVED ROAD WAY SHALL BE REMOVED IMMEDIATELY.

DITCH CHECK SHALL BE INSTALLED IN DRAINAGE CHANNELS AS NEEDED.

EROSION CONTROL MATTING SHALL BE PLACED ON AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, BEFORE VEGETATION IS ESTABLISHED.

INLET PROTECTION SHALL BE INSTALLED AT STORMWATER DRAINAGE INLETS TO REDUCE SEDIMENT WITHIN STORM SEWER CONVEYANCE FEATURES.

OUTLET SCOUR PROTECTION SHALL BE INSTALLED AT STORMWATER DRAINAGE OUTLETS TO DIFFUSE FLOWS.

3.0 ADDITIONAL PRACTICES

ADDITIONAL POLLUTANT CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING.

CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF. THIS INCLUDES ALL CONSTRUCTION SITE WASTE MATERIAL, SANITARY WASTE, AND WASTE FROM VEHICLE TRACKING OF SEDIMENTS. THE CONTRACTOR SHALL ENSURE THAT NO MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISCHARGED TO THE WATERS OF THE STATE. VEHICLES HAULING MATERIAL AWAY FROM THE SITE SHALL BE COVERED WITH A TARPAULIN TO PREVENT BLOWING DEBRIS.

DUST CONTROL SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

COVERING 30% OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL.

ROUGHENING (EQUIPMENT TRACKING) THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. RIDGES SHALL BE AT LEAST SIX (6) INCHES IN HEIGHT.

FREQUENT WATERING OF EXCAVATION AND FILL AREAS.

PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRANSIT PATHS.

STREET SWEEPING SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

4.0 EROSION AND SEDIMENT STRUCTURAL PRACTICE MAINTENANCE

THE FOLLOWING MAINTENANCE PRACTICES SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. UPON IDENTIFICATION, DEFICIENCIES IN STORMWATER CONTROLS SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEDURES FOR THIS DEVELOPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO THE BELOW.

SILT FENCE - REPAIR OR REPLACE ANY DAMAGED FILTER FABRIC AND/OR STAKES. REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE ABOVE GROUND HEIGHT OF THE FENCE.

CONSTRUCTION ENTRANCE - AS NEEDED, ADD STONE TO MAINTAIN CONSTRUCTION ENTRANCE DIMENSIONS AND EFFECTIVENESS.

DITCH CHECK - RE-SECURE STAKES; ADJUST OR REPOSITION BALES TO ADDRESS PROPER FLOW OF STORMWATER; AND REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE BALE.

EROSION CONTROL MATTING - REPAIR MATTING IMMEDIATELY IF INSPECTION REVEALS BREACHED OR FAILED CONDITIONS. REPAIR AND RE-GRADE SOIL WHERE CHANNELIZATION HAS OCCURRED.

INLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC AND/OR STONE WHEN CONTROL MEASURE IS CLOGGED. INLET FILTER BAGS SHALL BE REPLACED ONCE ONE-HALF FULL OF SEDIMENT.

OUTLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC, TURF REINFORCEMENT MATTING AND/OR STONE WHEN CONTROL MEASURE IS ONE-HALF FULL OF SEDIMENT.

5.0 INSPECTION

INSPECTIONS SHALL BE COMPLETED WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS ONE-HALF INCH OR GREATER OR EQUIVALENT SNOWFALL, OR AT A MINIMUM ONCE EVERY SEVEN (7) CALENDAR DAYS. INSPECTIONS SHALL BE UNDERTAKEN BY QUALIFIED PERSONNEL PROVIDED BY THE CONTRACTOR, AND SHALL INCLUDE: DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. A STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT SHALL BE COMPLETED AND ADDED TO THE SWPPP. RAINFALL SHALL BE RECORDED ON THE SWPPP RAINFALL LOG. CONTRACTOR SHALL IMMEDIATELY ARRANGE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED OR DEFICIENT CONTROL MEASURES OBSERVED DURING THE INSPECTION.

QUALIFIED PERSONNEL MEANS A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS A LICENSED PROFESSIONAL ENGINEER, A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL, A CERTIFIED EROSION SEDIMENT OR STORMWATER INSPECTOR, OR OTHER TRAINED INDIVIDUAL.

6.0 SPILL PREVENTION

6.1 GENERAL MATERIAL MANAGEMENT PRACTICES

THE GOOD HOUSEKEEPING PRACTICES LISTED BELOW SHALL BE FOLLOWED THROUGHOUT THE CONSTRUCTION PROJECT.

1. CONTRACTOR SHALL STORE ONLY ENOUGH PRODUCTS REQUIRED TO COMPLETE THIS PROJECT.
2. ALL MATERIAL SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL CONTAINERS CONTAINING MANUFACTURER'S LABEL.
3. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
4. MATERIALS REQUIRED TO HAVE A MATERIAL SAFETY DATA SHEET (MSDS) SHALL HAVE A COPY STORED IN THE PROJECT'S MSDS DATABASE.

6.2 SPILL CONTROL PRACTICES

THE PRACTICES LISTED BELOW SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

1. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE MAINTAINED ONSITE.
2. IMMEDIATELY UPON DISCOVERY, ALL SPILLS SHALL BE CLEANED UP ACCORDING TO THE MANUFACTURERS' RECOMMENDED METHODS.
3. PERSONNEL CLEANING UP A SPILL SHALL USE PERSONAL PROTECTIVE EQUIPMENT.
4. IMMEDIATELY UPON DISCOVERY, SPILLS OF TOXIC OR HAZARDOUS MATERIALS SHALL BE REPORTED TO THE OWNER AND GENERAL CONTRACTOR.
5. NOTIFICATION AND REPORTING TO THE APPROPRIATE FEDERAL, STATE, AND LOCAL GOVERNMENT AGENCIES SHALL BE MADE AS REQUIRED.

GENERAL INFORMATION:

THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN DEVELOPED TO FULFILL ONE OF THE REQUIREMENTS OF THE GENERAL ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (WISCONSIN POLLUTION DISCHARGE ELIMINATION SYSTEM "WPDES") FOR THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION PROJECTS DISTURBING ONE ACRE OR MORE. THE OWNER AND CONTRACTORS SHALL COMPLY WITH ALL REQUIREMENTS OF THE WPDES FOR ALL SUCH CONSTRUCTION PROJECTS. THE STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY FROM THIS SITE ARE SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.

THE EXECUTED OWNER CERTIFICATION AND THE CONTRACTOR CERTIFICATIONS SHALL BE KEPT ONSITE WITH THE APPROVED PLANS.

SWPPP AVAILABILITY:

THE OWNER SHALL RETAIN A COPY OF THE SWPPP AT THE CONSTRUCTION SITE FROM THE DATE OF THE PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

KEEPING PLANS CURRENT:

THE CONTRACTOR SHALL AMEND THE PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE PLAN OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SITE ACTIVITY. IN ADDITION, THE THE PLAN SHALL BE AMENDED TO IDENTIFY ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR THAT WILL IMPLEMENT A MEASURE OF THE PLAN. AMENDMENTS TO THE PLAN MAY BE REQUIRED BY THE MUNICIPALITY, OWNER, OR OTHER REVIEWING AGENCY. COPIES OF THE AMENDMENTS SHALL BE KEPT ONSITE AS PART OF THE SWPPP.

RETENTION OF RECORDS:

THE OWNER SHALL RETAIN COPIES OF THIS AND ALL REPORTS AND NOTICES REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THIS PERIOD MAY BE EXTENDED BY THE REQUEST OF THE AGENCY AT ANY TIME. IN ADDITION, THE OWNER SHALL RETAIN A COPY OF THE PLAN REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

A NOTICE OF INTENT (NOI) APPLICATION MUST BE COMPLETED AND INCORPORATED INTO THE SWPPP.

WPDES NOTICE OF TERMINATION GUIDANCE:

WHEN A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED, THE OWNER OF THE FACILITY MUST SUBMIT A COMPLETED NOTICE OF TERMINATION THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT. CONTRACTOR SHALL SUBMIT A COMPLETED NOTICE OF TERMINATION TO OWNER FOR EXECUTION PRIOR TO THEIR FINAL PAY APPLICATION REQUEST.

CONTROL MEASURE GROUP	CONTROL MEASURE	CONTROL MEASURE CHARACTERISTICS
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.
	PERMANENT SEEDING	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.
NON VEGETATIVE SOIL COVER	AGGREGATE COVER	PROVIDES TEMPORARY COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.
	PAVING	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.
DIVERSIONS	DIVERSION BERM / SWALE	DIVERTS RUNOFF TO A SEDIMENT TRAP OR OTHER CONTROL.
ENCLOSED DRAINAGE	STORM SEWER	CONVEYS SEDIMENT LADEN WATER TO A SEDIMENT BASIN.
OUTLETS	APRON ENDWALL OR RIPRAP	PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURE.
SEDIMENT BASINS	TEMPORARY SEDIMENT TRAP	CONSTRUCTED TO REMOVE SILTATION FROM RUNOFF FROM SITE DIVERSION BERMS/SWALES AND IN OVERLAND FLOOD ROUTE. CAN BE CONVERTED TO PERMANENT SEDIMENT BASIN.
SEDIMENT FILTERS	SILT FENCE	PLACED DOWN SLOPE OF DISTURBED AREA TO KEEP RUNOFF CONTAINED ON-SITE.
	INLET PROTECTION	INSTALLED IN OPEN GRATE STRUCTURES TO COLLECT SEDIMENT.
	DITCH CHECK	PLACED IN DRAINAGE CHANNELS TO FILTER SEDIMENT FROM RUNOFF.
MUD AND DUST CONTROL	CONSTRUCTION ENTRANCE	REDUCES SOIL EROSION POLLUTANTS BEING TRANSPORTED OFF-SITE.
	STREET SWEEPING	REDUCES POLLUTANTS TRACKED FROM CONSTRUCTION SITE.
	DUST CONTROL	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.

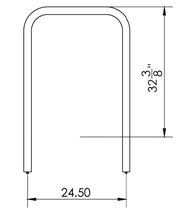
STABILIZATION EFFECTIVENESS (TIME OF YEAR)

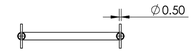
STABILIZATION TYPE	STABILIZATION UTILIZATION PERIODS											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A	*	*	*	*	*	*			
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C	*	*	*	D *	*	*			
SODDING			E	*	*	*	*	*	*			

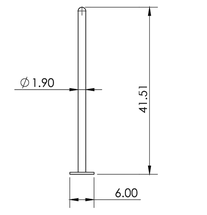
A. KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE.
B. KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE.
C. SPRING OATS 100 LBS/ACRE.
D. WHEAT OR CEREAL RYE 150 LBS/ACRE.
E. SOD.
F. STRAW MULCH 2 TONS/ACRE.
* IRRIGATION/WATERING REQUIRED TO SUPPORT ESTABLISHMENT AS NEEDED.

Park A Bike
smart racks | smart solutions

HOOP RUNNER - HR100
2 Bike Below Ground Mount - Specs







MATERIALS
HSS 1.9" steel tubing
Two 1/2" x 6" anchor rods

FINISH
Galvanized
Galvanized to ASTM A123 / A123M - 12
Black Powder Coat
Final Coat– Polyester based Powder Coating – this offers a hard shell finish to the product to protect the metal substrate from oxidizing. Our finishes withstand harsh conditions with a strong polyester UV-stable coating with superior salt spray protection.

MOUNTING
Below Ground
Suggested concrete:
3000 PSI mix min.

SPACE USE
Wall Setbacks
For racks parallel to a wall
Minimum: 24"
For racks perpendicular to a wall
Minimum: 34"
Distance Between Racks
Minimum: 24"
Street Setbacks
For racks parallel to the street::
Minimum: 24"
*These are our suggested minimal clearances.

parkabike.com | 800 630-7225 | info@parkabike.com

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BP-MK-HR100-CS,CL.0913.RevB

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DESIGNED JJS
DRAFTED JJS
REVIEWED APM

PLAN | DESIGN | DELIVER
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PINNACLE ENGINEERING GROUP
ENGINEERING | NATURAL RESOURCES | SURVEYING
WISCONSIN OFFICE:
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BROOKFIELD, WI 53186
(262) 754-8888
CHICAGO | MILWAUKEE : NATIONWIDE

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2825 MAYFAIR RD, WAUWATOSA, WI
TAXKEYS: 2999986000 & 2999987000

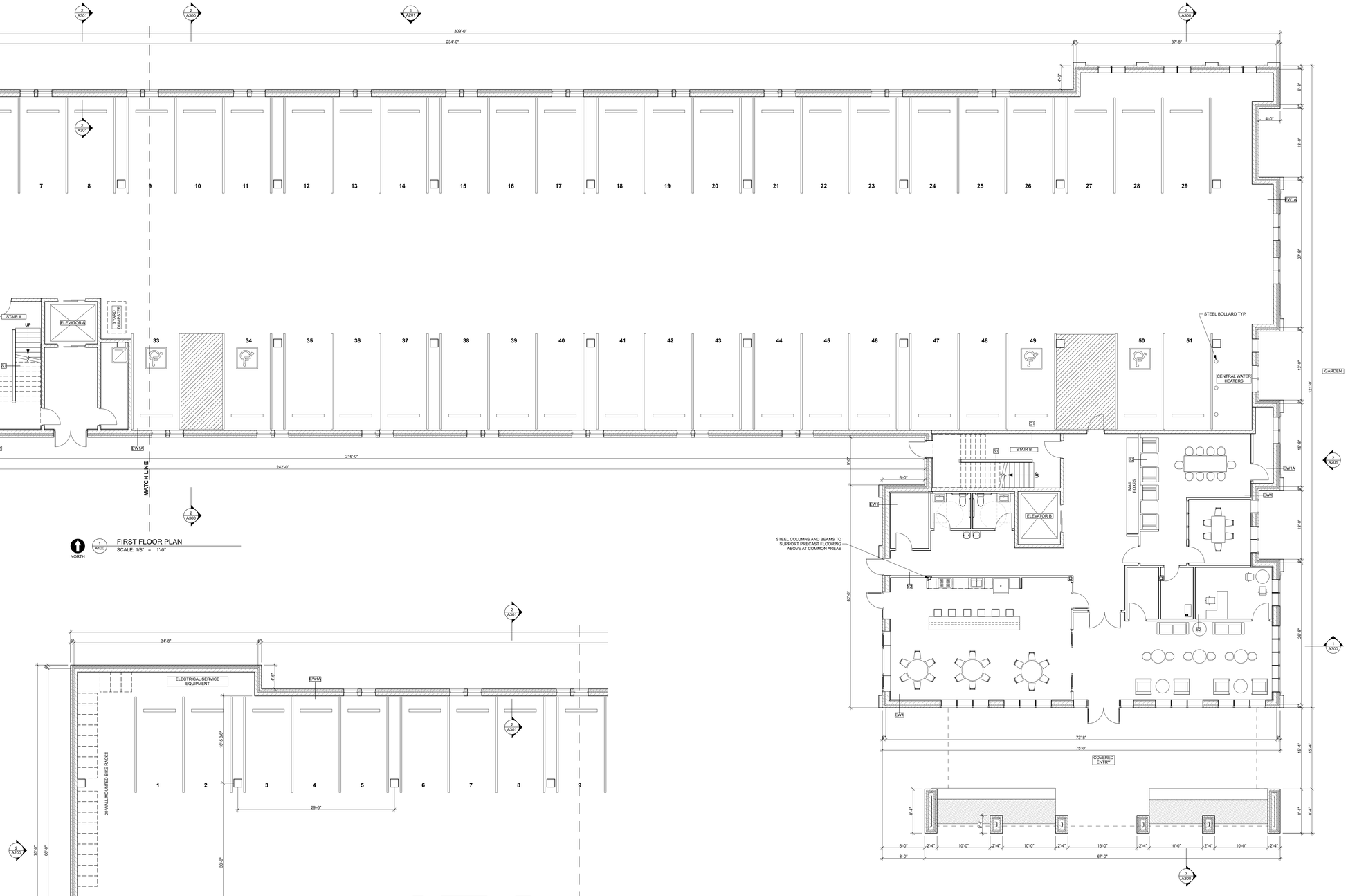
CONSTRUCTION DETAILS

REVISIONS

PEG JOB No. 6675.00
PEG PM APM
START DATE 10/23/25
SCALE N.T.S.

SHEET
C-7.2
OF
C-7.2

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NORTH 1 A100 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH 2 A100 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

FLOOR PLAN - GENERAL NOTES

1. IF ANY PORTION OF THE CONSTRUCTION DOCUMENTS ARE UNCLEAR, INCOMPLETE IN THEIR DIRECTION, OR CONFLICTS WITH OTHER PORTIONS OF THE WORK, PLEASE NOTIFY THE ARCHITECT PRIOR TO EXECUTING THAT WORK.
2. NOTIFY ARCHITECT PROMPTLY IF THE CONSTRUCTION DOCUMENTS ARE INCONSISTENT WITH ANY APPLICABLE CODES OR REGULATIONS.
3. INSTALL BLOCKING IN WALLS, CEILING AND FLOORS AS REQUIRED FOR THE ATTACHMENT OF ANY ITEMS OR EQUIPMENT SHOWN IN THE CONSTRUCTION DOCUMENTS.
4. REFER TO STRUCTURAL PLANS, FOR FRAMING SIZE & ORIENTATION.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO EXECUTION OF WORK.
6. TYPICAL FLOOR PLAN DIMENSIONS ARE SHOWN TO THE EXTERIOR FACE OF WALLS, UNLESS NOTED OTHERWISE.
7. COORDINATE EXACT LOCATION OF LIGHT FIXTURES, ACCESS PANELS, SPEAKERS, HVAC DUCTS, GRILLS, DIFFUSERS AND OTHER SUCH CEILING ITEMS WITH MECHANICAL, ELECTRICAL, AND OTHER PERTINENT TRADES. NOTIFY ARCHITECT IF ANY LOCATIONS OR CONDITIONS CONFLICT WITH THE DESIGN INTENT SHOWN IN THESE CONSTRUCTION DOCUMENTS.
8. SEE SHEET A500, A501 FOR WALL, FLOOR, AND ROOF ASSEMBLY TYPES.
9. SEE SHEET AXXX AND AXXX FOR DOOR AND WINDOW TYPES.

NOT FOR CONSTRUCTION

GALBRAITH CARNAHAN ARCHITECTS
6404 West North Avenue
Milwaukee, Wisconsin 53213
(414) 291-0772 phone
www.galbraithcarnahan.com

CONSULTANTS:

CONTRACTOR

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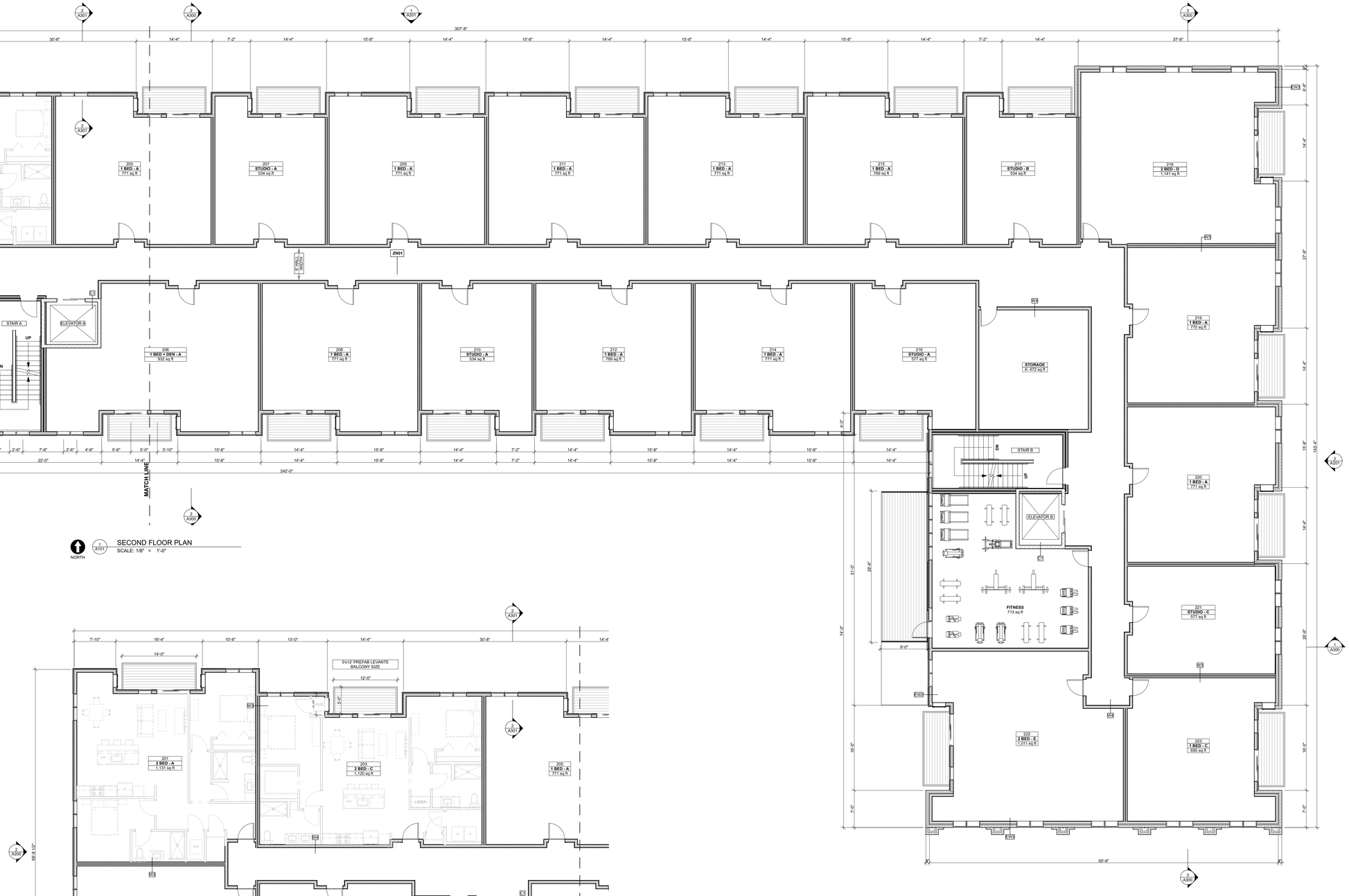
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PROJECT # 24.20

FIRST FLOOR PLAN

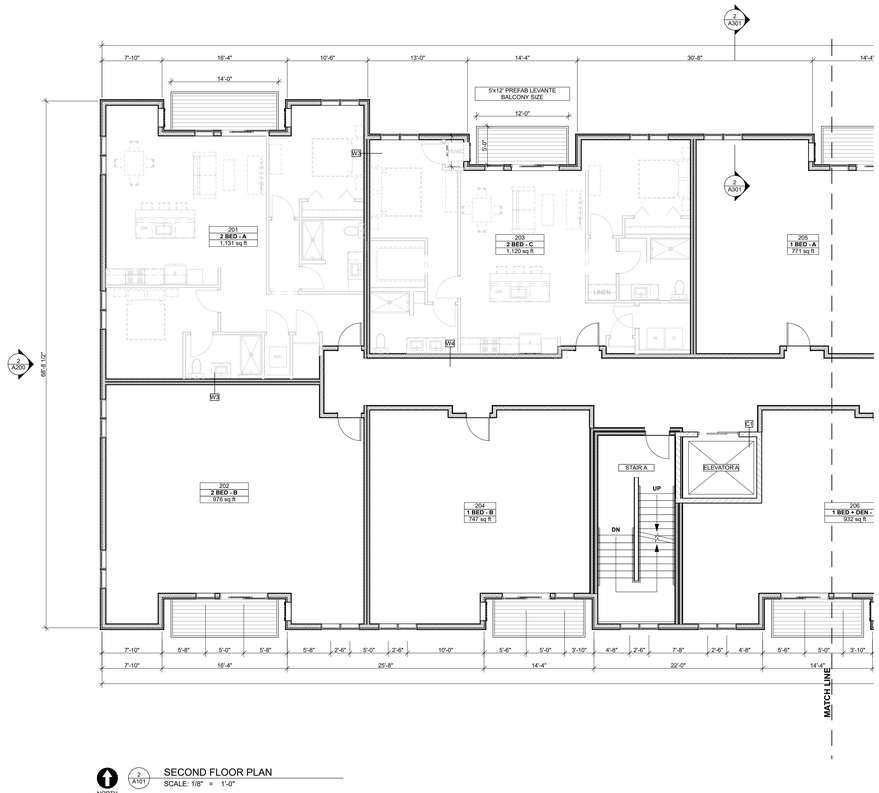
A100

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NORTH

1 A101 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



NORTH

2 A101 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

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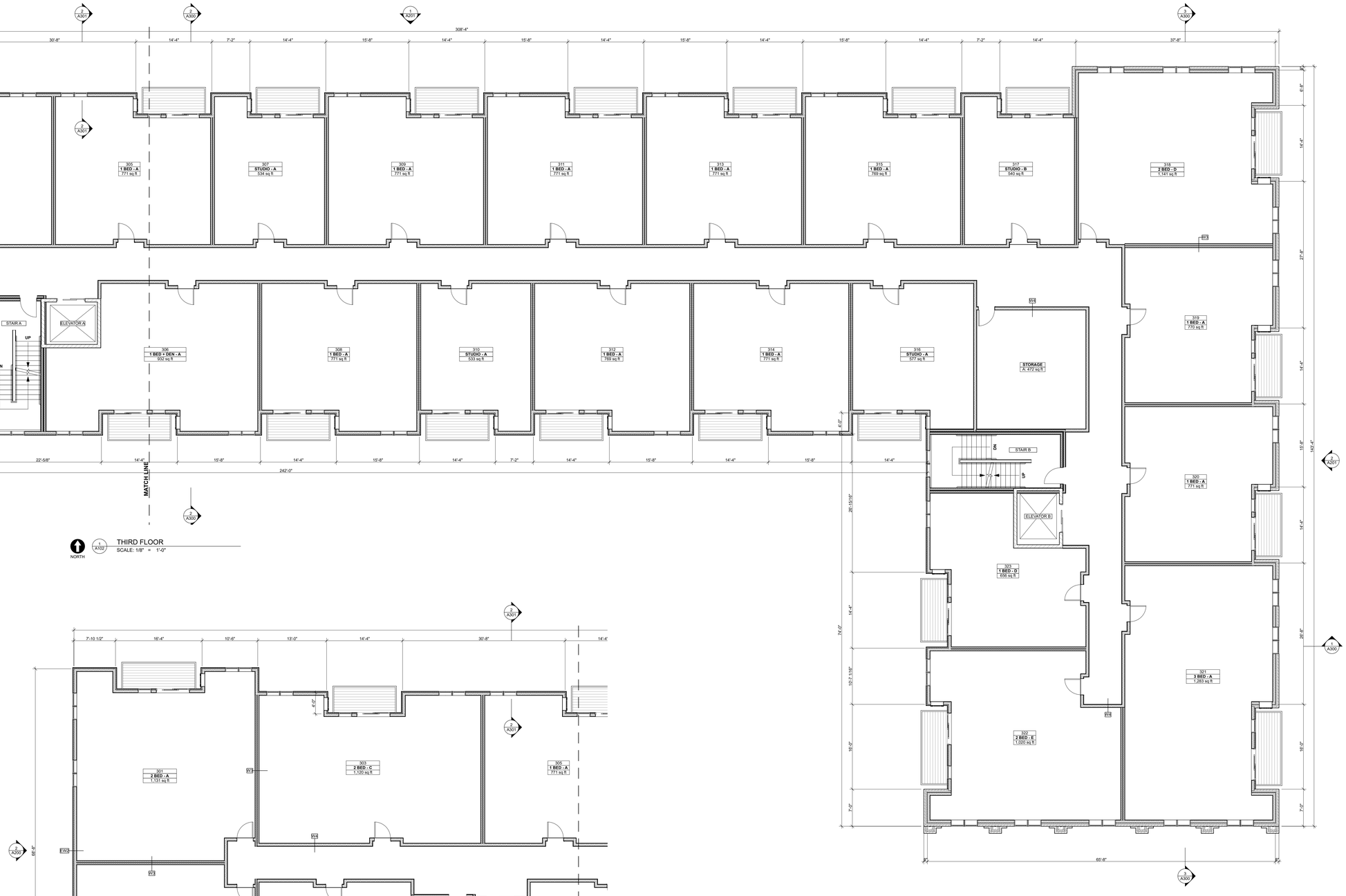
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PROJECT # 24.20

SECOND FLOOR PLAN

A101

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NORTH

1 A102 THIRD FLOOR
SCALE: 1/8" = 1'-0"

NORTH

3 A102 THIRD FLOOR
SCALE: 1/8" = 1'-0"

FLOOR PLAN - GENERAL NOTES

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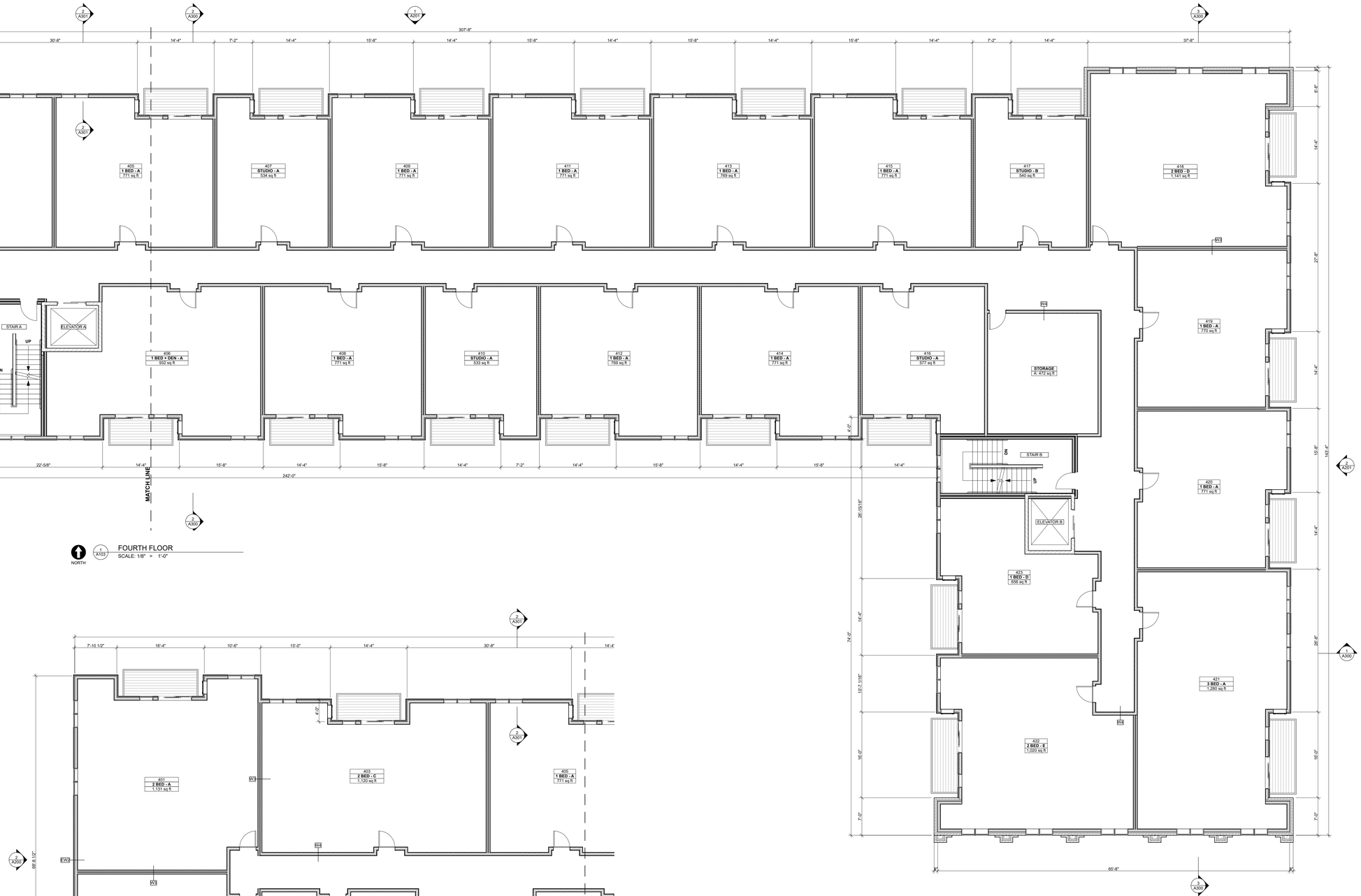
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THIRD FLOOR PLAN

A102

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1 A103 NORTH **FOURTH FLOOR**
SCALE: 1/8" = 1'-0"

2 A103 NORTH **FOURTH FLOOR**
SCALE: 1/8" = 1'-0"

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5. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO EXECUTION OF WORK.
6. TYPICAL FLOOR PLAN DIMENSIONS ARE SHOWN TO THE EXTERIOR FACE OF WALLS, UNLESS NOTED OTHERWISE.
7. COORDINATE EXACT LOCATION OF LIGHT FIXTURES, ACCESS PANELS, SPEAKERS, HVAC DUCTS, GRILLS, DIFFUSERS AND OTHER SUCH CEILING ITEMS WITH MECHANICAL, ELECTRICAL, AND OTHER PERTINENT TRADES. NOTIFY ARCHITECT IF ANY LOCATIONS OR CONDITIONS CONFLICT WITH THE DESIGN INTENT SHOWN IN THESE CONSTRUCTION DOCUMENTS.
8. SEE SHEET A500, A501 FOR WALL, FLOOR, AND ROOF ASSEMBLY TYPES.
9. SEE SHEET AXXX AND AXXX FOR DOOR AND WINDOW TYPES.

NOT FOR CONSTRUCTION

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Milwaukee, Wisconsin 53213
(414) 291-0772 phone
www.galbraithcarnahan.com

CONSULTANTS:

CONTRACTOR

STAMP

LATITUDE 43
2825 - 2835 N MAYFAIR WAUWATOSA WI 53213

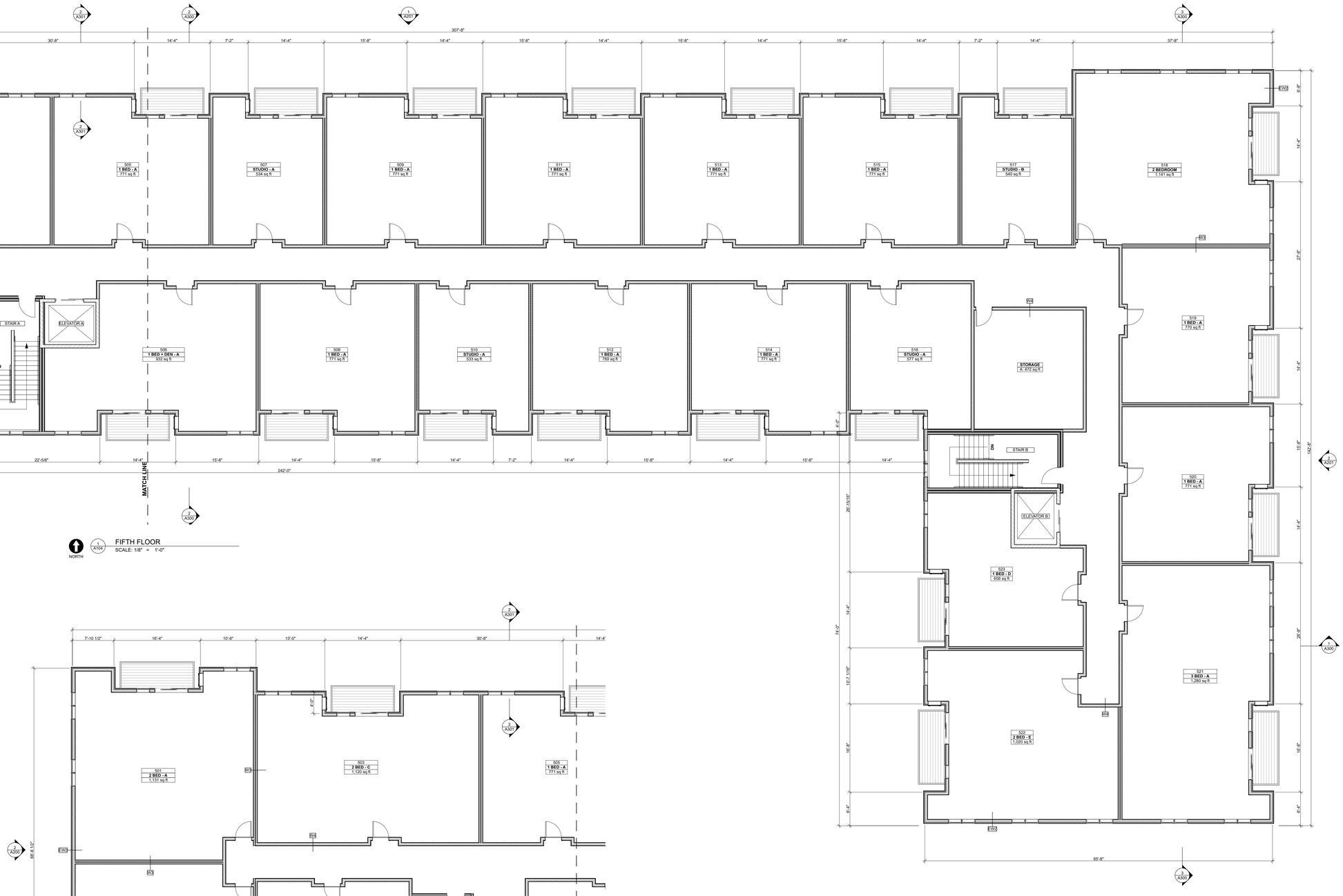
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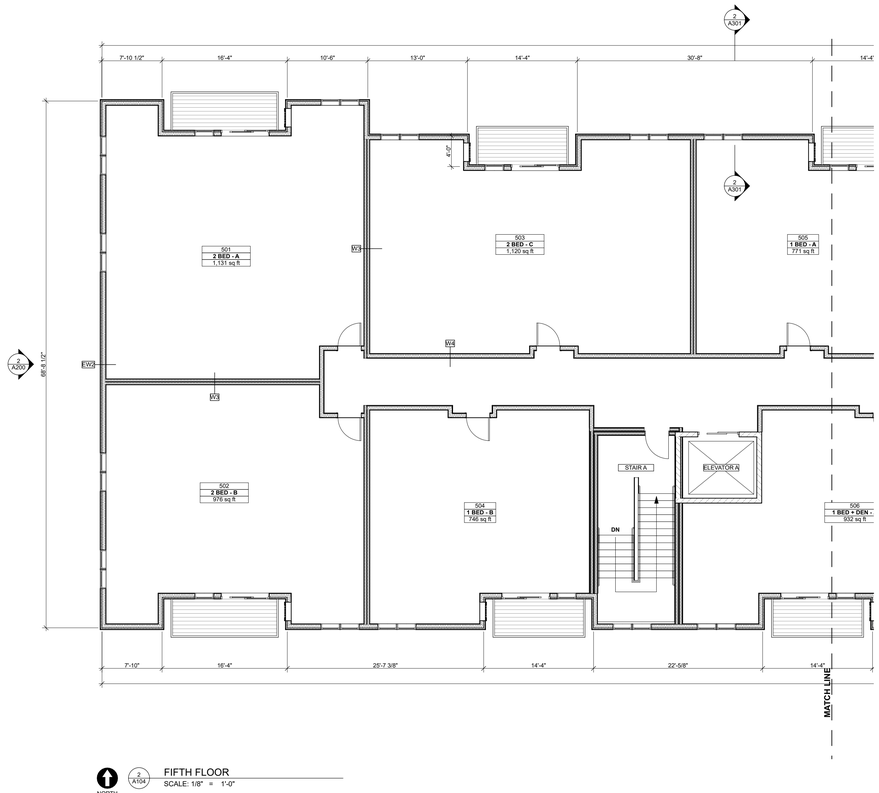
PROJECT # 24.20

FOURTH FLOOR PLAN

A103

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FLOOR PLAN - GENERAL NOTES

1. IF ANY PORTION OF THE CONSTRUCTION DOCUMENTS ARE UNCLEAR, INCOMPLETE IN THEIR DIRECTION, OR CONFLICTS WITH OTHER PORTIONS OF THE WORK, PLEASE NOTIFY THE ARCHITECT PRIOR TO EXECUTING THAT WORK.
2. NOTIFY ARCHITECT PROMPTLY IF THE CONSTRUCTION DOCUMENTS ARE INCONSISTENT WITH ANY APPLICABLE CODES OR REGULATIONS.
3. INSTALL BLOCKING IN WALLS, CEILING AND FLOORS AS REQUIRED FOR THE ATTACHMENT OF ANY ITEMS OR EQUIPMENT SHOWN IN THE CONSTRUCTION DOCUMENTS.
4. REFER TO STRUCTURAL PLANS, FOR FRAMING SIZE & ORIENTATION.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO EXECUTION OF WORK.
6. TYPICAL FLOOR PLAN DIMENSIONS ARE SHOWN TO THE EXTERIOR FACE OF WALLS, UNLESS NOTED OTHERWISE.
7. COORDINATE EXACT LOCATION OF LIGHT FIXTURES, ACCESS PANELS, SPEAKERS, HVAC DUCTS, GRILLS, DIFFUSERS AND OTHER SUCH CEILING ITEMS WITH MECHANICAL, ELECTRICAL, AND OTHER PERTINENT TRADES. NOTIFY ARCHITECT IF ANY LOCATIONS OR CONDITIONS CONFLICT WITH THE DESIGN INTENT SHOWN IN THESE CONSTRUCTION DOCUMENTS.
8. SEE SHEET A500, A501 FOR WALL, FLOOR, AND ROOF ASSEMBLY TYPES.
9. SEE SHEET AXXX AND AXXX FOR DOOR AND WINDOW TYPES.

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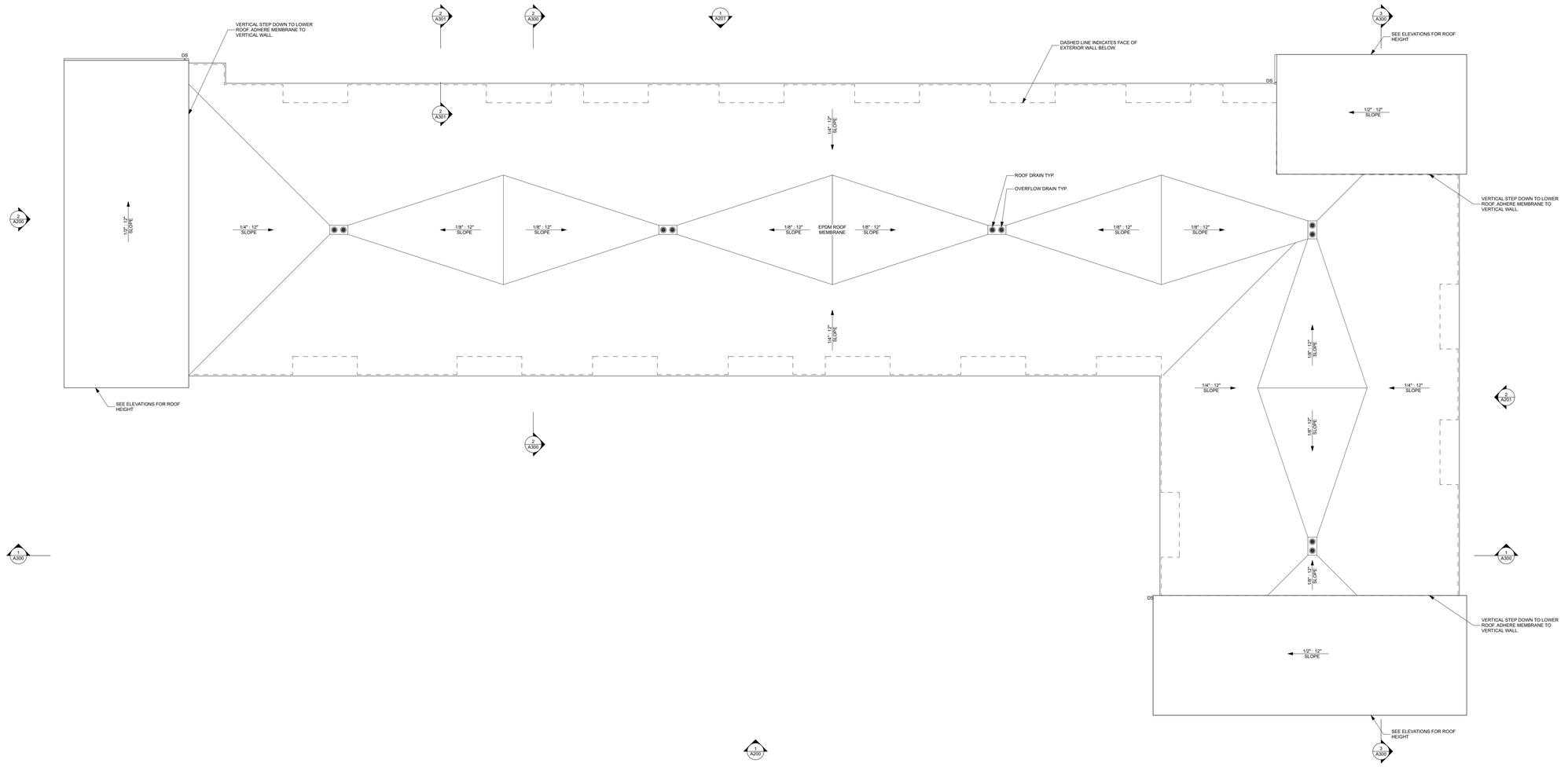
DRAWING ISSUE	DATE
DRB SET	12.09.2025

PROJECT # 24.20

FIFTH FLOOR PLAN

A104

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NORTH

1 A105 ROOF PLAN
SCALE: 3/32" = 1'-0"

ROOF PLAN - GENERAL NOTES

1. THE DETAILS OF CONSTRUCTION IN THIS PROJECT ARE OF CRITICAL IMPORTANCE TO BOTH THE CLIENT AND ARCHITECT. IF ANY PORTION OF THE CONSTRUCTION DOCUMENTS IS UNCLEAR, INCOMPLETE IN IT'S DIRECTION, OR CONFLICTS WITH OTHER PORTIONS OF THE WORK, PLEASE NOTIFY THE ARCHITECT PRIOR TO EXECUTING THAT WORK
2. NOTIFY ARCHITECT PROMPTLY IF THE INFORMATION SHOWN IN ONE PORTION OF THE CONSTRUCTION DOCUMENTS CONFLICTS WITH THAT SHOWN IN ANOTHER
3. NOTIFY ARCHITECT PROMPTLY IF THE CONSTRUCTION DOCUMENTS ARE INCONSISTENT WITH ANY APPLICABLE CODES OR REGULATIONS
4. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO EXECUTION OF WORK

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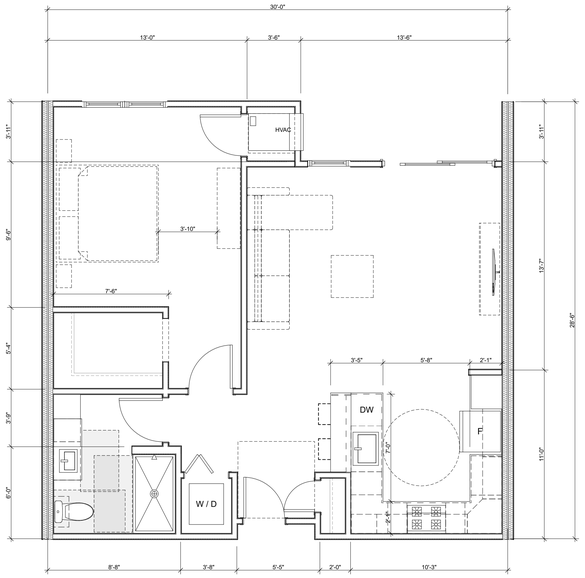
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PROJECT # 24.20

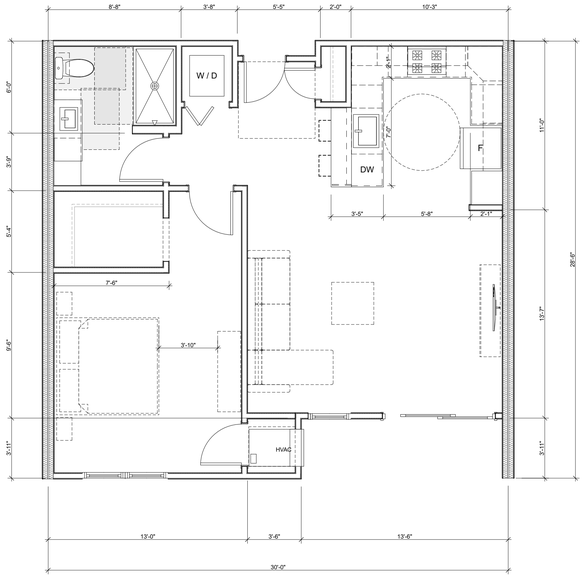
ROOF PLAN

A105

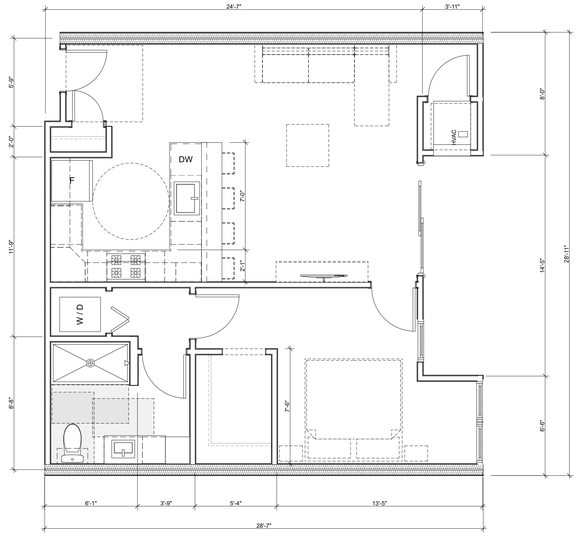
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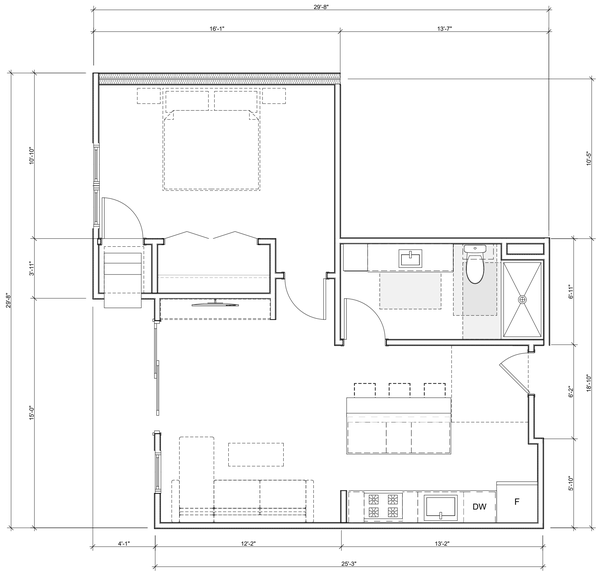
A130 1 BED - A
SCALE: 1/4" = 1'-0"



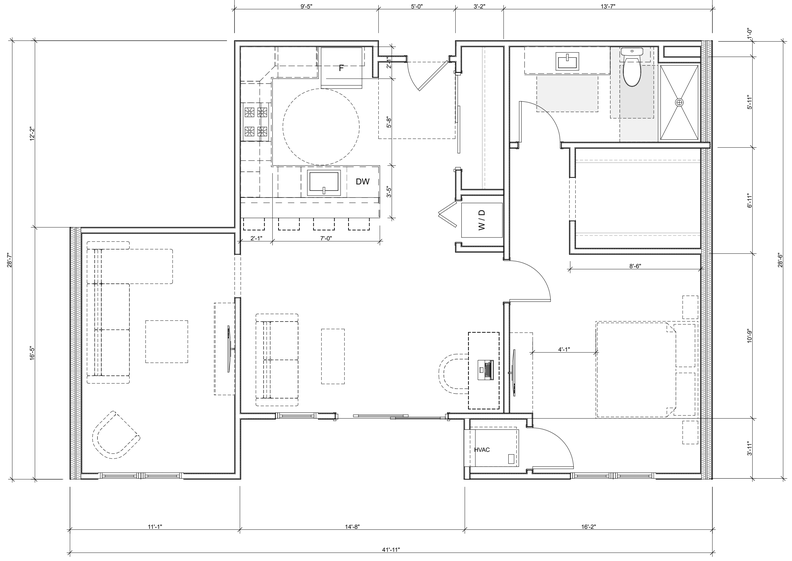
A130 1 BED - B
SCALE: 1/4" = 1'-0"



A130 1 BED - C
SCALE: 1/4" = 1'-0"



A130 1 BED - D
SCALE: 1/4" = 1'-0"



A130 1 BED + DEN - A
SCALE: 1/4" = 1'-0"

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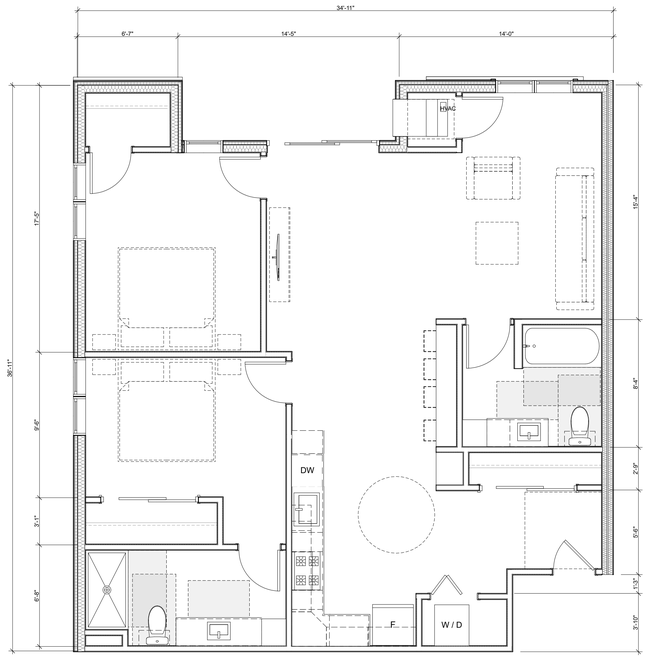
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TYPICAL UNIT PLANS

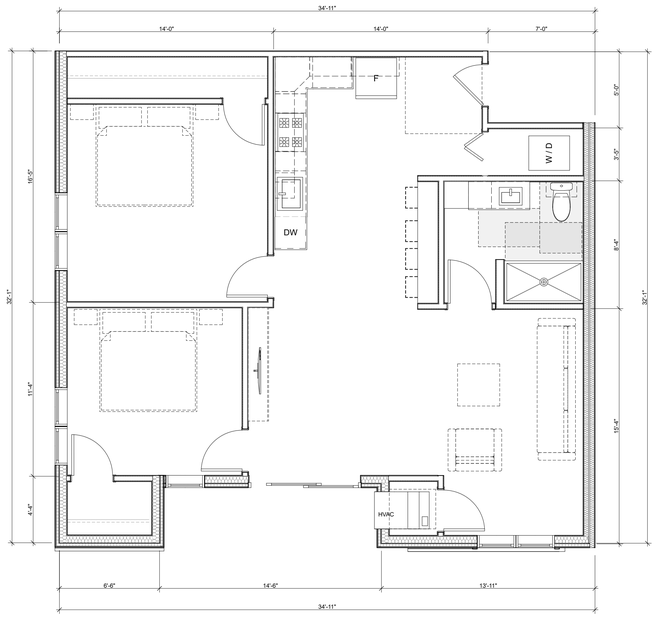
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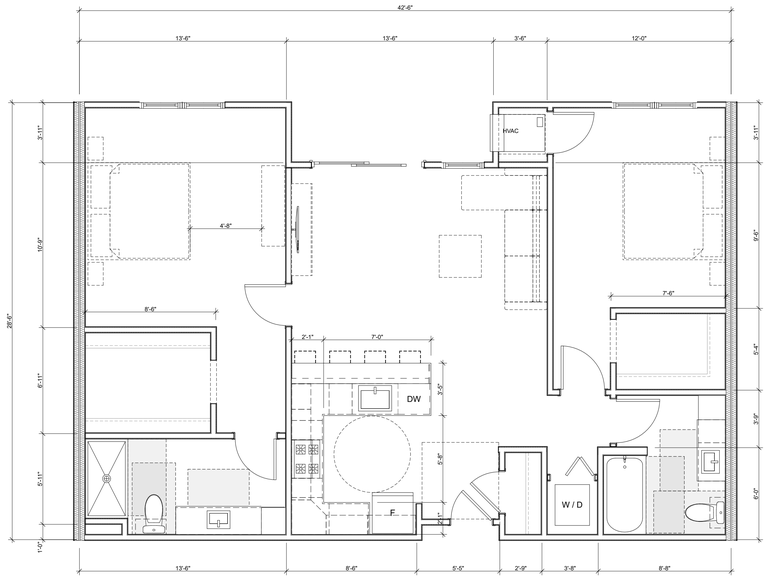
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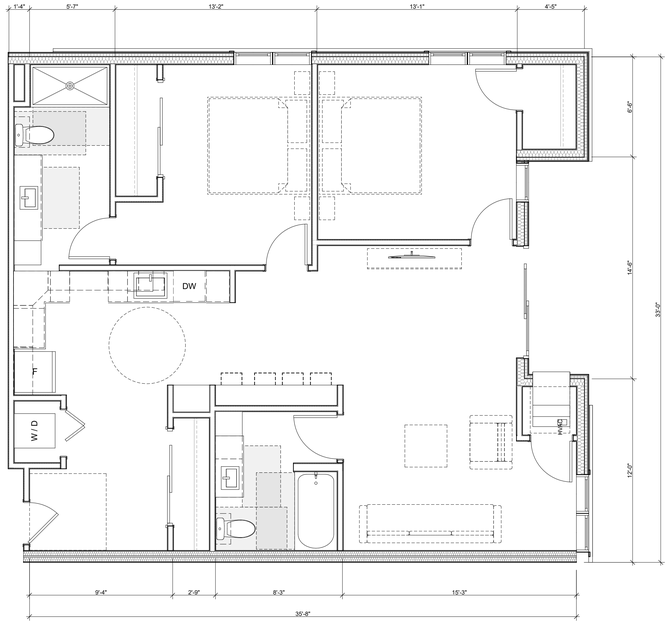
1 A131 2 BED - A
SCALE: 1/4" = 1'-0"



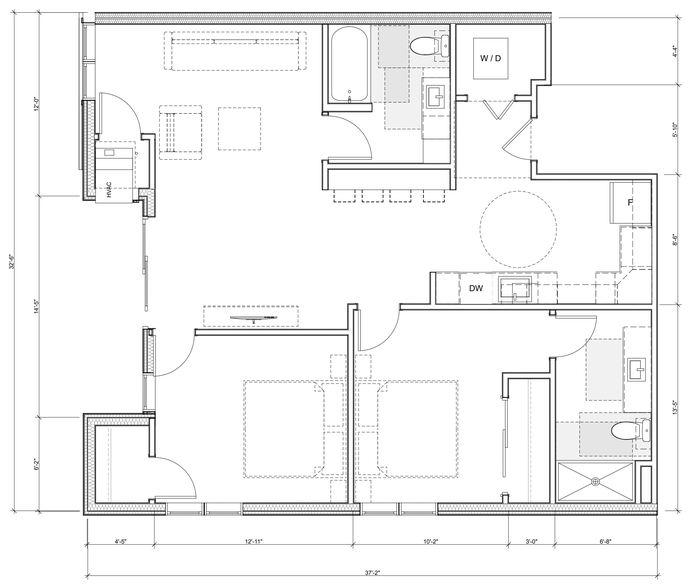
2 A131 2 BED - B
SCALE: 1/4" = 1'-0"



3 A131 2 BED - C
SCALE: 1/4" = 1'-0"



4 A131 2 BED - D
SCALE: 1/4" = 1'-0"



5 A131 2 BED - E
SCALE: 1/4" = 1'-0"

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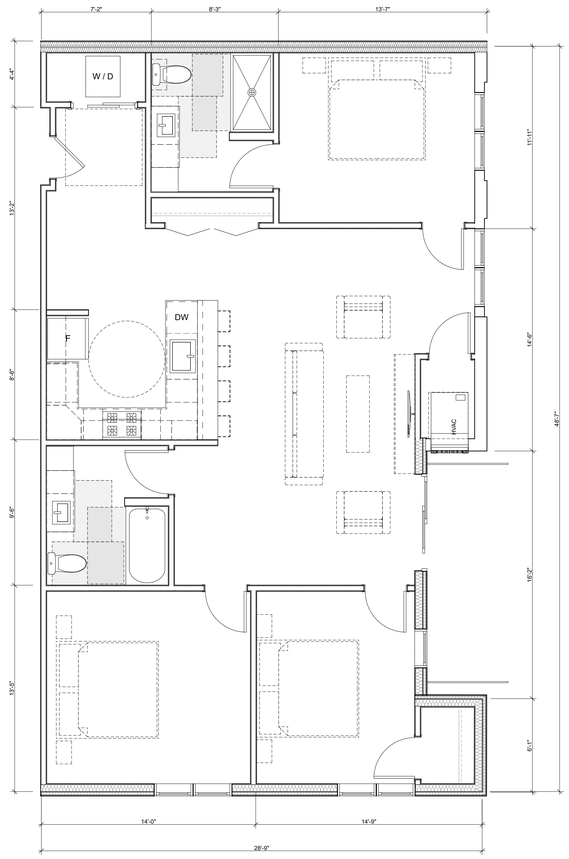
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TYPICAL UNIT PLANS

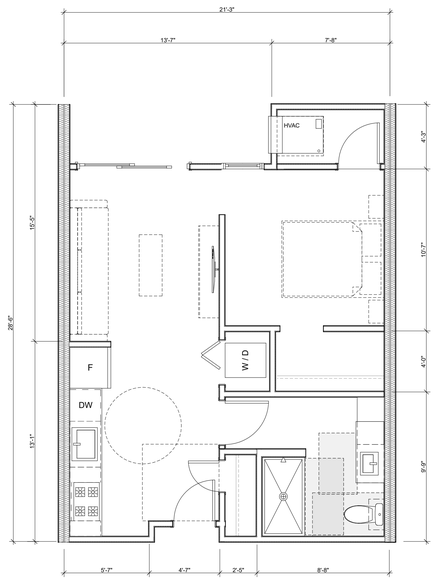
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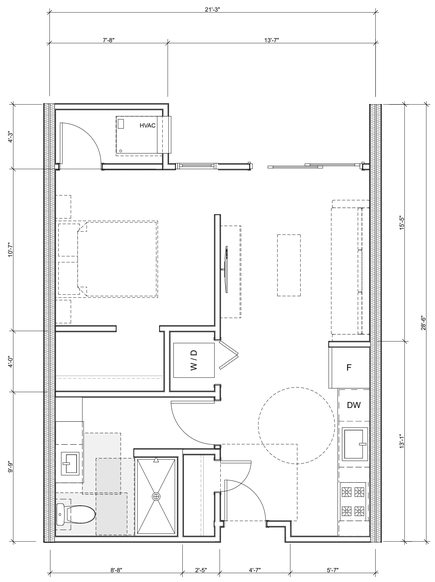
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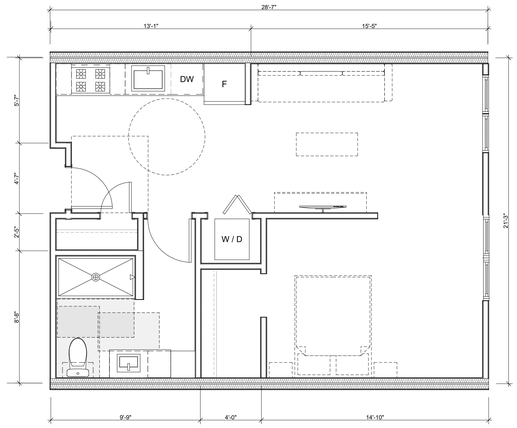
1 A132 3 BED - A
SCALE: 1/4" = 1'-0"



2 A132 STUDIO - A
SCALE: 1/4" = 1'-0"



3 A132 STUDIO - B
SCALE: 1/4" = 1'-0"



4 A132 STUDIO - C
SCALE: 1/4" = 1'-0"

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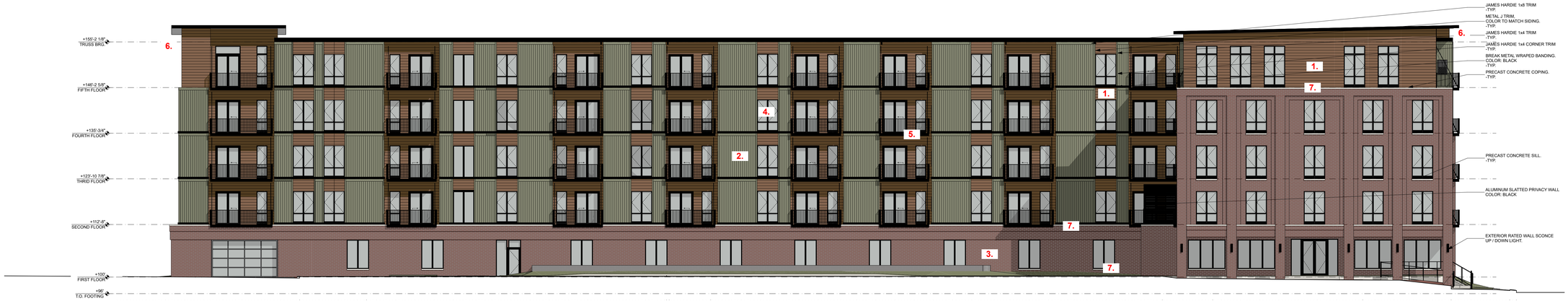
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PROJECT # 24.20

TYPICAL UNIT PLANS

A132

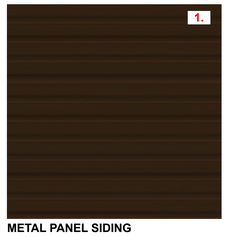
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1 A200 SOUTH ELEVATION
SCALE: 3/32" = 1'-0"



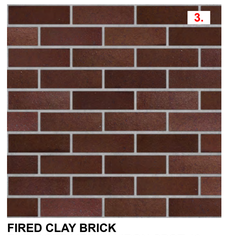
2 A200 WEST ELEVATION
SCALE: 3/32" = 1'-0"


1.

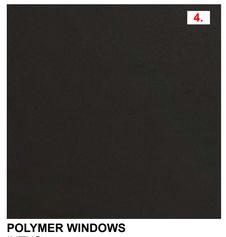
METAL PANEL SIDING
MODERN MATERIALS
MODERN STEEL REVEAL 8"
COLOR: COFFEE BROWN


2.

FIBER CEMENT SIDING
JAMES HARDIE PANEL SIERRA 8
COLOR: IRISH LOWLANDS


3.

FIRED CLAY BRICK
ENDICOTT MEDIUM IRON SPOT 46
COLOR: MEDIUM IRON SPOT


4.

POLYMER WINDOWS
INTUS
COLOR: DARK BRONZE


5.

ALUMINUM BALCONY
LEVANTE
COLOR: LIGHT FIR


6.

STEEL SOFFIT PLANKS
PROBOARD 6 PERFRAORTED
6" V-GROOVE PLANK
COLOR: AUTUMN


7.

PRECAST STONE
ROCKRIDGE CAST STONE
STONE COPING AND WINDOW SILLS
COLOR: LIGHT GUNPOWDER

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MAYFAIR APARTMENTS
2825 - 2835 N MAYFAIR WAUWATOSA WI 53213

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ELEVATIONS

A200

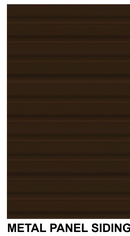
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2 A201 NORTH ELEVATION
SCALE: 3/32" = 1'-0"



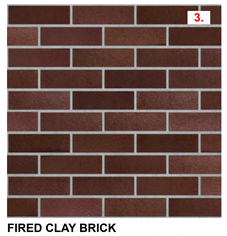
1 A201 EAST ELEVATION
SCALE: 3/32" = 1'-0"



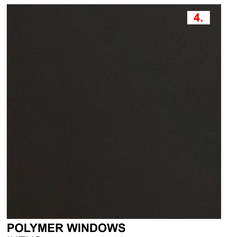
METAL PANEL SIDING
MODERN MATERIALS
MODERN STEEL REVEAL 8"
COLOR: COFFEE BROWN



FIBER CEMENT SIDING
JAMES HARDIE PANEL SIERRA 8
COLOR: IRISH LOWLANDS



FIRED CLAY BRICK
ENDICOTT MEDIUM IRON SPOT 46
COLOR: MEDIUM IRON SPOT



POLYMER WINDOWS
INTUS
COLOR: DARK BRONZE



ALUMINUM BALCONY
LEVANTE
COLOR: LIGHT FIR



STEEL SOFFIT PLANKS
PROBOARD 6 PERFRAORTED
6" V-GROOVE PLANK
COLOR: AUTUMN



PRECAST STONE
ROCKRIDGE CAST STONE
STONE COPING AND WINDOW SILLS
COLOR: LIGHT GUNPOWDER

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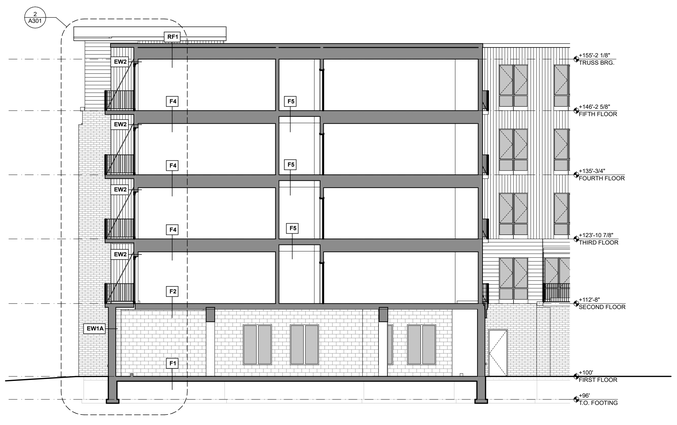
ELEVATIONS

A201

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1 A300 BUILDING SECTION
SCALE: 3/32" = 1'-0"



2 A300 BUILDING SECTION
SCALE: 3/32" = 1'-0"



3 A300 BUILDING SECTION
SCALE: 3/32" = 1'-0"

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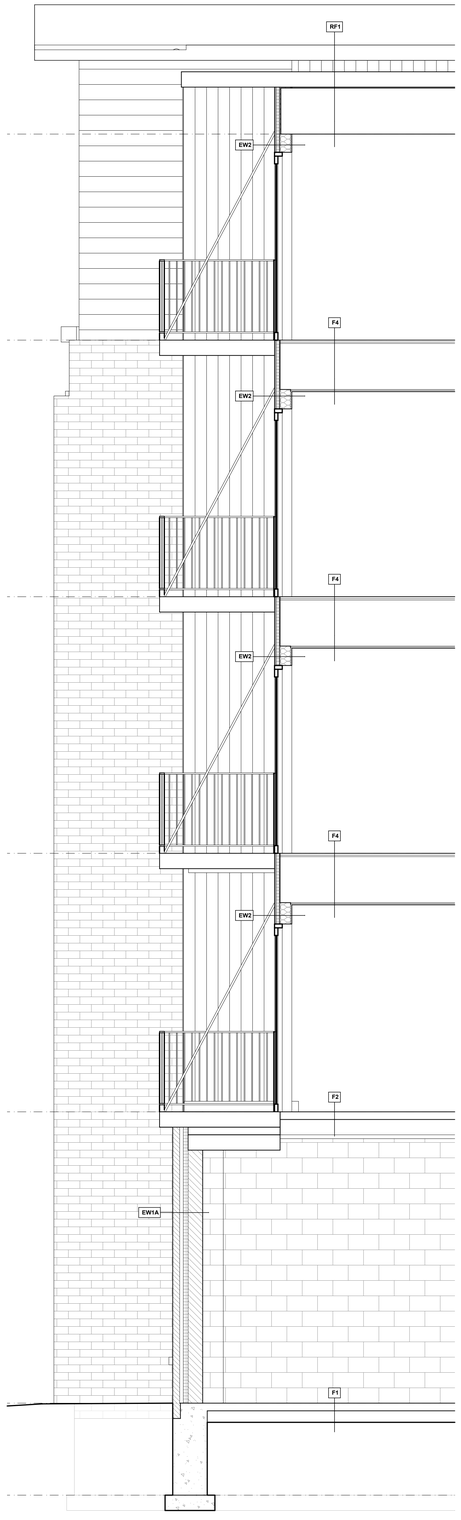
PROJECT # 24.20

BUILDING SECTIONS

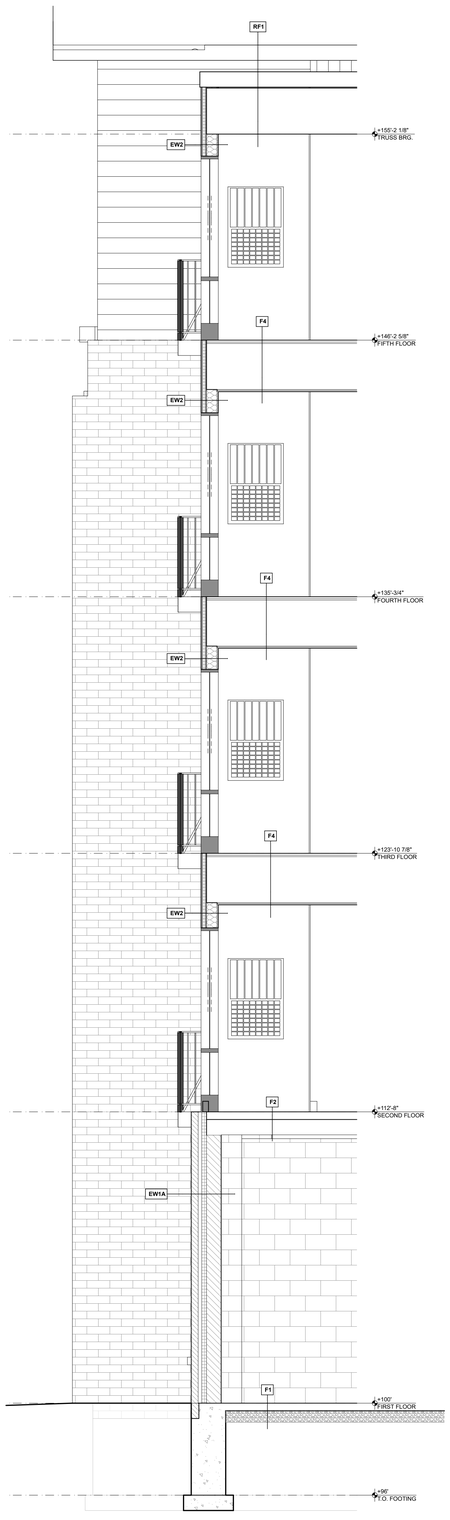
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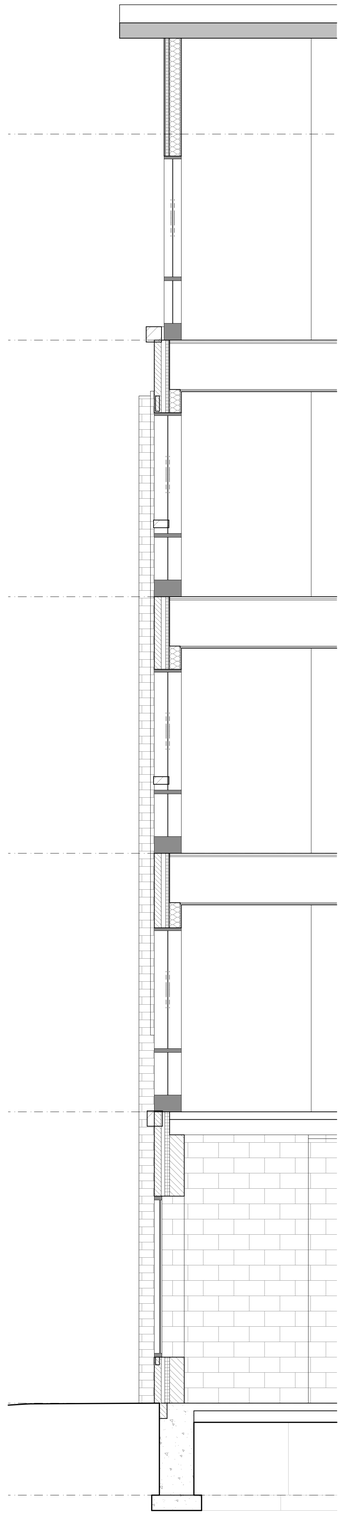
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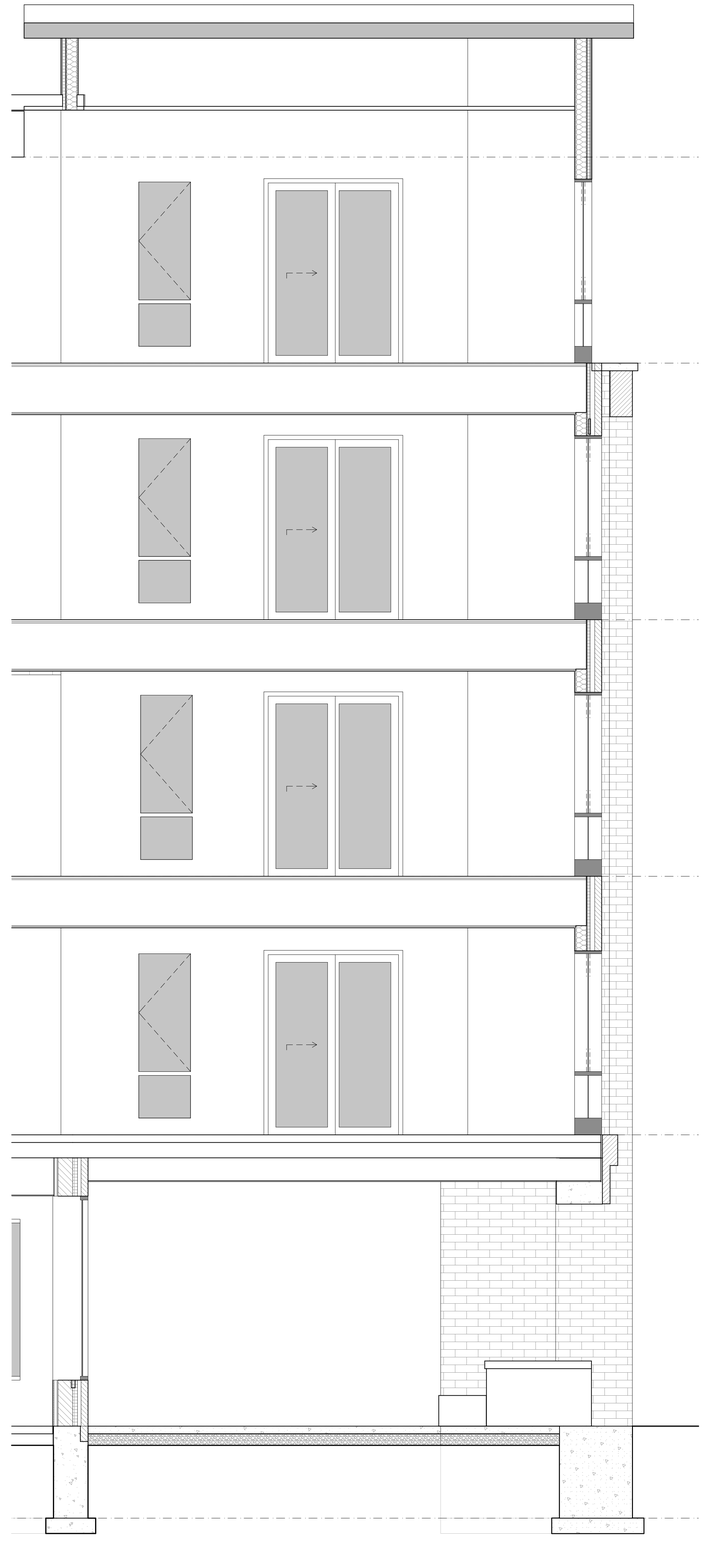
1 A301 WALL SECTION AT BALCONY
SCALE: 3/8" = 1'-0"



2 A301 WALL SECTION AT WOOD
SCALE: 3/8" = 1'-0"



3 A301 WALL SECTION AT BRICK
SCALE: 3/8" = 1'-0"



4 A301 WALL SECTION AT ENTRY
SCALE: 3/8" = 1'-0"

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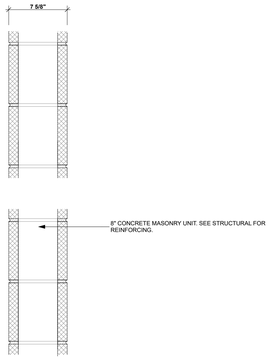
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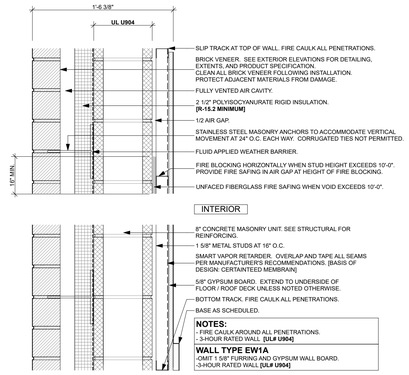
WALL SECTIONS

A301

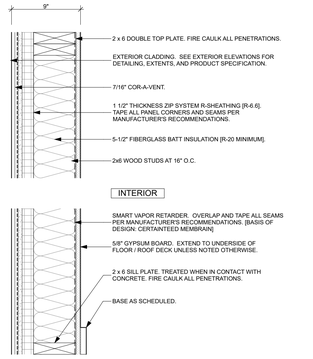
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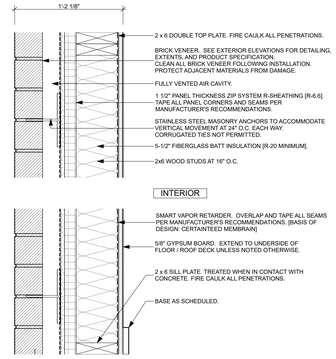
C1 CMU WALL
SCALE: 1 1/2" = 1'-0"



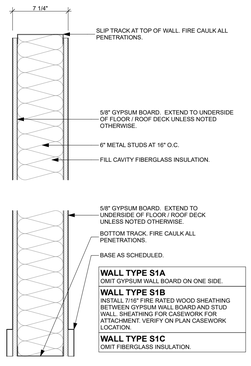
EW1 BRICK VENEER WITH CMU BACKUP
SCALE: 1 1/2" = 1'-0"



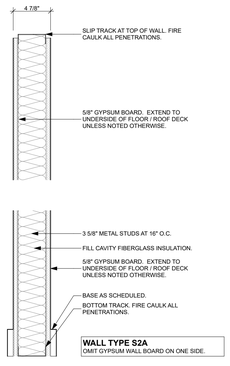
EW2 EXTERIOR SIDING WITH WOOD STUD BACKUP
SCALE: 1 1/2" = 1'-0"



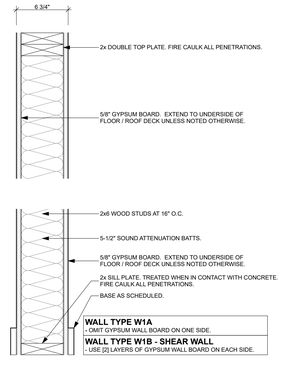
EW3 BRICK VENEER WITH WOOD STUD BACKUP
SCALE: 1 1/2" = 1'-0"



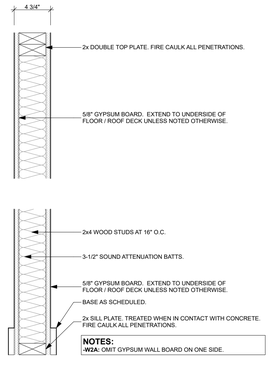
S1 INTERIOR WALL
SCALE: 1 1/2" = 1'-0"



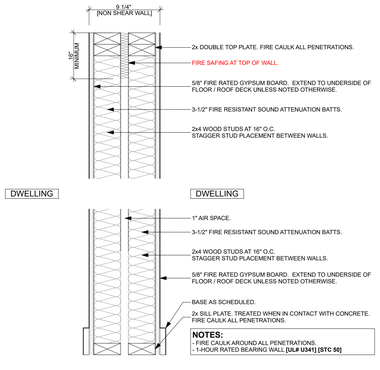
S2 INTERIOR WALL
SCALE: 1 1/2" = 1'-0"



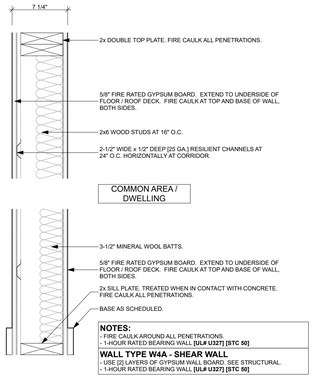
W1 INTERIOR WALL
SCALE: 1 1/2" = 1'-0"



W2 INTERIOR WALL
SCALE: 1 1/2" = 1'-0"



W3 INTERIOR - DWELLING UNIT DEMISING WALL [1-HOUR RATED]
SCALE: 1 1/2" = 1'-0"



W4 INTERIOR - DWELLING UNIT PARTITION WALL [1-HOUR RATED]
SCALE: 1 1/2" = 1'-0"

WALL TYPE - GENERAL NOTES

1. EXTEND ALL WALLS TO STRUCTURE ABOVE. UNLESS NOTED OTHERWISE.
2. PROVIDE ACOUSTICAL SEALANT AT TOP AND BOTTOM OF ALL INTERIOR PARTITION WALLS.
3. TAPE AND MUD GYPSUM WALL BOARD FULL HEIGHT ON ALL WALLS.
4. GYPSUM BOARD WALLS RECEIVING PAINT ARE TO BE FINISHED TO A LEVEL 4 FINISH.
5. GYPSUM BOARD WALLS RECEIVING DARK PAINT AND / OR VINYL WALL COVERINGS ARE TO BE FINISHED TO A LEVEL 5 FINISH.
6. USE MOISTURE RESISTANT GYPSUM WALL BOARD AT ALL WATER WALLS AND AT ALL TOILET AND SHOWER ROOM CEILINGS.
7. ALL WALLS OVER 10 FEET IN HEIGHT WITHOUT BATT INSULATION IN THE FULL CAVITY NEED TO BE FIRE BLOCKED IN ACCORDANCE WITH SECTION 718 OF THE INTERNATIONAL BUILDING CODE.

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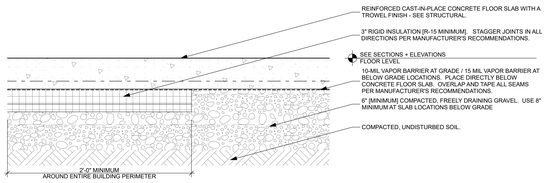
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DRB SET	12.09.2025

PROJECT # 24.20

ASSEMBLY TYPES

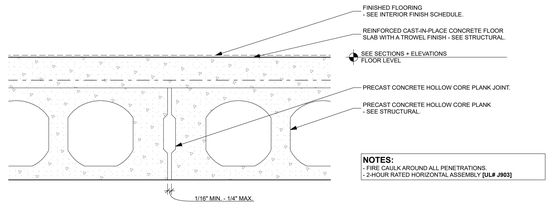
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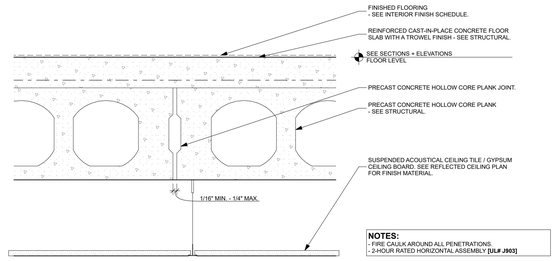
PROVIDE 15 MIL. VAPOR RETARDER IN LIEU OF 10 MIL. VAPOR RETARDER BELOW CONCRETE FLOOR SLAB AT PARKING GARAGE

F1 FLOOR - SLAB ON GRADE - INSULATED
SCALE: 1 1/2" = 1'-0"



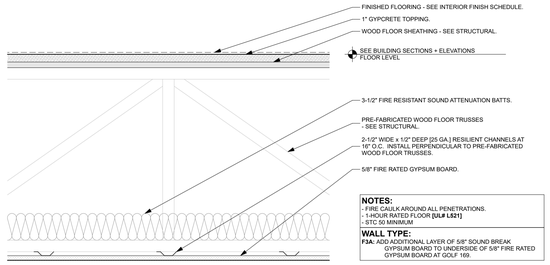
NOTES:
- FIRE CAULK AROUND ALL PENETRATIONS.
- 2-HOUR RATED HORIZONTAL ASSEMBLY **[UL# J903]**

F2 FLOOR - PRECAST CONCRETE PLANK [2 HOUR RATING]
SCALE: 1 1/2" = 1'-0"



NOTES:
- FIRE CAULK AROUND ALL PENETRATIONS.
- 2-HOUR RATED HORIZONTAL ASSEMBLY **[UL# J903]**

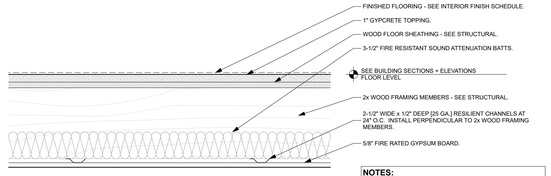
F3 FLOOR - PRECAST CONCRETE PLANK [2 HOUR RATING]
SCALE: 1 1/2" = 1'-0"



NOTES:
- FIRE CAULK AROUND ALL PENETRATIONS.
- 1-HOUR RATED FLOOR **[UL# L521]**
- STC 50 MINIMUM

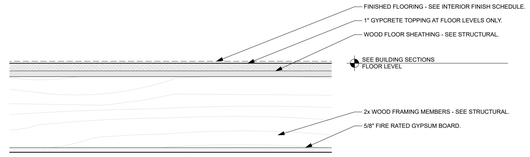
WALL TYPE:
F3A: ADD ADDITIONAL LAYER OF 5/8" SOUND BREAK GYPSUM BOARD TO UNDERSIDE OF 5/8" FIRE RATED GYPSUM BOARD AT GOLF 169.

F4 FLOOR - WOOD FLOOR TRUSS [1-HOUR RATED]
SCALE: 1 1/2" = 1'-0"

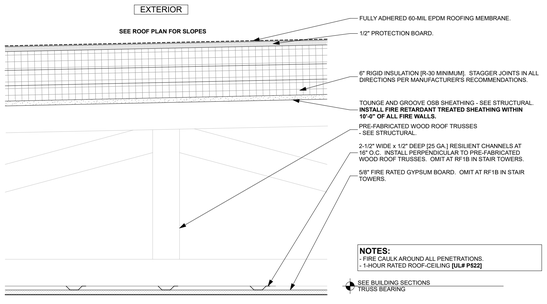


NOTES:
- FIRE CAULK AROUND ALL PENETRATIONS.
- 1-HOUR RATED FLOOR **[UL# L533]**
- STC 50 MINIMUM

F5 FLOOR - WOOD FLOOR JOIST [1-HOUR RATED]
SCALE: 1 1/2" = 1'-0"

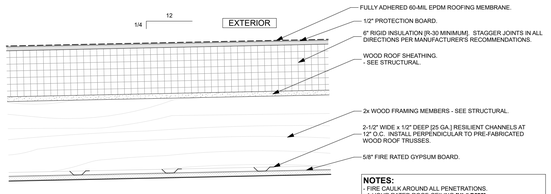


F6 FLOOR - WOOD FLOOR JOIST [STAIR LANDING]
SCALE: 1 1/2" = 1'-0"



NOTES:
- FIRE CAULK AROUND ALL PENETRATIONS.
- 1-HOUR RATED ROOF-CEILING **[UL# P522]**

R1 ROOF - WOOD TRUSS / EPDM MEMBRANE [1-HOUR RATED]
SCALE: 1 1/2" = 1'-0"



NOTES:
- FIRE CAULK AROUND ALL PENETRATIONS.
- 1-HOUR RATED ROOF-CEILING **[UL# P522]**

ROOF TYPE R2A
-(SE ONE LAYER OF 5/8" DENSGLASS SHEATHING W/ PLASTER IN LIEU OF GYPSUM SHEATHING.

R2 ROOF - WOOD JOIST [1-HOUR RATING]
SCALE: 1 1/2" = 1'-0"

WALL TYPE - GENERAL NOTES

1. EXTEND ALL WALLS TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
2. PROVIDE ACOUSTICAL SEALANT AT TOP AND BOTTOM OF ALL INTERIOR PARTITION WALLS.
3. TAPE AND MUD GYPSUM WALL BOARD FULL HEIGHT ON ALL WALLS.
4. GYPSUM BOARD WALLS RECEIVING PAINT ARE TO BE FINISHED TO A LEVEL 4 FINISH.
5. GYPSUM BOARD WALLS RECEIVING DARK PAINT AND / OR VINYL WALL COVERINGS ARE TO BE FINISHED TO A LEVEL 5 FINISH.
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7. ALL WALLS OVER 10 FEET IN HEIGHT WITHOUT BATT INSULATION IN THE FULL CAVITY NEED TO BE FIRE BLOCKED IN ACCORDANCE WITH SECTION 718 OF THE INTERNATIONAL BUILDING CODE.

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PROJECT # 24.20

ASSEMBLY TYPES

A501

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VIEW FROM MAYFAIR ROAD LOOKING NORTH

*** PERSPECTIVES USED TO CONVEY GENERAL LOOK OF THE DESIGN; SEE SUBSEQUENT DRAWINGS FOR DETAILS AND DIMENSIONS.



VIEW ACROSS PARKING LOT LOOKING EAST



VIEW FROM MAYFAIR ROAD LOOKING SOUTH

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MAYFAIR APARTMENTS

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RENDERINGS

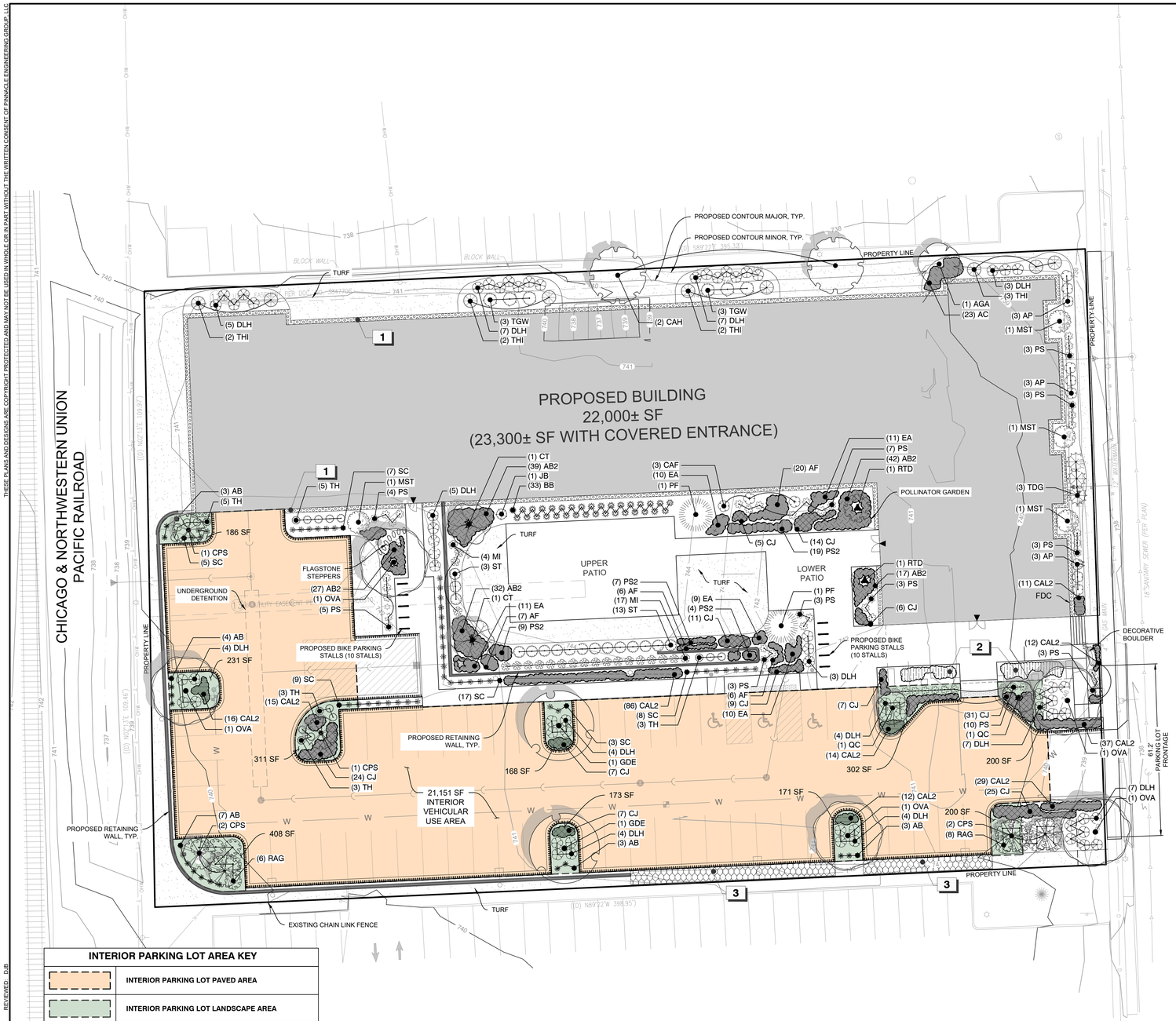
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PLANT SCHEDULE SITE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
DECIDUOUS TREES				
CAH	2	Carpinus caroliniana	Musclewood	2" Cal.
CPS	6	Celtis occidentalis 'Prairie Sentinel'	Prairie Sentinel Hackberry	2" Cal.
GDE	2	Gymnocladus dioicus 'Espresso'	Espresso Kentucky Coffeetree	2" Cal.
OVA	5	Ostrya virginiana	American Hophornbeam	2" Cal.
QC	2	Quercus bicolor 'Bonnie and Mike'	Beacon® Oak	2" Cal.
ORNAMENTAL TREES				
AGA	1	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	1.5" Cal.
CT	2	Cercis canadensis 'NC2016-2'	Flame Thrower® Eastern Redbud	6` Ht.
DECIDUOUS SHRUBS				
AP	9	Aronia melanocarpa 'SMNAMPEM'	Low Scape Snowfire™ Black Chokeberry	15" Ht.
CAF	3	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood	15" Ht.
DLH	64	Diervilla lonicera	Dwarf Bush Honeysuckle	24" Ht.
MST	4	Magnolia stellata	Star Magnolia	36" Ht.
RAG	14	Rhus aromatica `Gro-Low`	Gro-Low Fragrant Sumac	15" Ht.
RTD	2	Rhus typhina `Dissecta`	Cutleaf Staghorn Sumac	36" Ht.
ST	16	Spiraea betulifolia 'Tor Gold'	Glow Girl® Birchleaf Spirea	15" Ht.
EVERGREEN SHRUBS				
JB	1	Juniperus scopulorum 'Blue Arrow'	Blue Arrow Juniper	4` Ht.
PF	2	Pinus strobus 'Fastigiata'	Pyramidal White Pine	4` Ht.
THI	9	Taxus x media `Hicksii`	Hicks Yew	5` Ht.
TDG	3	Thuja occidentalis `Nigra`	Dark Green Arborvitae	4` Ht.
TH	19	Thuja occidentalis 'Hetz Midget'	Hetz Midget Arborvitae	24" W
TGW	6	Tsuga canadensis `Gentsh White`	Gentsh White Hemlock	4` Ht.
ORNAMENTAL GRASSES				
AB	20	Andropogon gerardii 'Blackhawks'	Blackhawks Big Bluestem	1 gal.
BB	33	Bouteloua gracilis 'Blonde Ambition'	Blonde Ambition Blue Grama	1 gal.
MI	21	Miscanthus sinensis 'Fire Dragon'	Fire Dragon Eulalia Grass	1 gal.
PS	47	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 gal.
SC	49	Schizachyrium scoparium 'Carousel'	Carousel Little Bluestem	1 gal.

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
PERENNIALS					
AF	39	Agastache x 'Blue Fortune'	Blue Fortune Anise Hyssop	4.5" cont.	24" o.c.
AB2	157	Amsonia x 'Blue Ice'	Blue Ice Bluestar	4.5" cont.	24" o.c.
AC	23	Asarum canadense	Wild Ginger	4.5" cont.	24" o.c.
CAL2	232	Calamintha nepeta 'Blue Cloud'	Blue Cloud Calamint	4.5" cont.	18" o.c.
CJ	146	Coreopsis x 'Jethro Tull'	Jethro Tull Tickseed	4.5" cont.	24" o.c.
EA	51	Echinacea purpurea 'Alba'	White Coneflower	4.5" cont.	24" o.c.
PS2	39	Phlox subulata 'Snowflake'	Snowflake Creeping Phlox	4.5" cont.	24" o.c.

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME
GROUND COVERS			
	8,485 sf	TURF	

INTERIOR PARKING LOT AREA KEY	
	INTERIOR PARKING LOT PAVED AREA
	INTERIOR PARKING LOT LANDSCAPE AREA

	LANDSCAPE IMPROVEMENT TABLE	REQUIRED	PROVIDED
24.12.020(B)(1)	PERIMETER VEHICULAR USE AREA LANDSCAPING • 10 FT WIDE BUFFER • 1 TREE / 50 LF FRONTAGE • 8 SHRUBS / 50 LF FRONTAGE	YES 2 TREES 10 SHRUBS	YES 2 TREES 10 SHRUBS
24.12.030(B)(2)	INTERIOR PARKING LOT LANDSCAPE AREA • 10% OF THE INTERIOR VEHICULAR USE AREA	2,115 SF	2,350 SF
24.12.030(B)(3)(d)	PARKING INTERIOR TREES • 1 TREE / 180 SF REQ. INTERIOR LANDSCAPE AREA	12 TREES	12 TREES

REFERENCE NOTES SCHEDULE			
SYMBOL	CODE	DESCRIPTION	QTY
	1	STONE MAINTENAINCE STRIP	1,420 sf
	2	ANNUAL PLANTINGS (BY OTHERS)	176 sf
	3	SNOW STORAGE AREAS	595 sf

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

LANDSCAPE PLAN

REVIEWED: DJB
DESIGNED: HLY
DRAFTED: HLY

PINNACLE ENGINEERING GROUP
ENGINEERING I NATURAL RESOURCES I SURVEYING
PLAN I DESIGN I DELIVER
www.pinnacle-engr.com
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BROOKFIELD, WI 53186
(262) 754-8888
CHICAGO I MILWAUKEE : NATIONWIDE

LATITUDE 43

WAUWATOSA, WI

LANDSCAPE PLAN

REVISIONS

PEG JOB No 6675.00-WI
PEG PM APM
START DATE 10/7/25
SCALE 1" = 20'

SHEET L-1 OF L-2

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Z:\PROJECTS\2025\6675.00-WI\CAD\SHEETS\6675.00-WI LANDSCAPE PLAN.DWG

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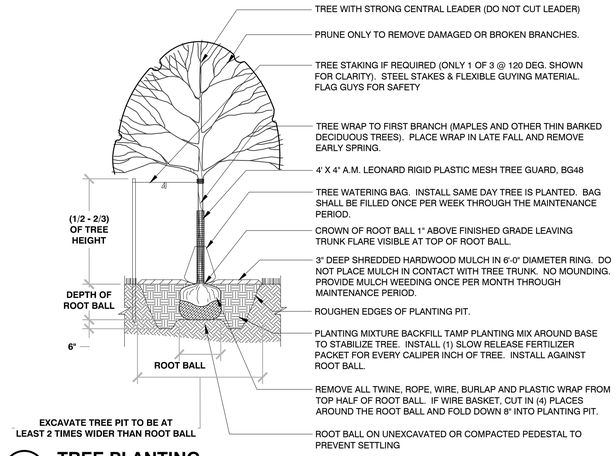
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GENERAL PLANTING NOTES

1. THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. AN APPROVED REPRESENTATIVE WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
3. NO PLANT MATERIAL OR PLANT SIZE SUBSTITUTIONS WILL BE ACCEPTED WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT. ANY CHANGES SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION.
4. ALL BNB STOCK SHALL BE NURSERY GROWN IN A CLAY LOAM SOIL FOR A MINIMUM OF THREE GROWING SEASONS WITHIN 200 MILES OF PROJECT LOCATION, IN A ZONE COMPATIBLE WITH USDA HARDINESS ZONE 5A. SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION. EXISTING SOIL SHALL BE AMENDED PER SOIL ANALYSIS REPORT TO ENSURE A PROPER GROWING MEDIUM IS ACHIEVED.
5. ALL PLANT MATERIAL SHALL COMPLY WITH STANDARDS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK - Z60.1 ANSI. LANDSCAPE ARCHITECT OR OWNERS AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND POTENTIALLY REJECT ANY PLANT MATERIAL DEEMED TO NOT MEET THE REQUIRED STANDARDS.
6. ALL STOCK SHALL BE FREE OF DISEASES AND HARMFUL INSECTS, DAMAGE, DISORDERS AND DEFORMITIES.
7. TREES SHALL HAVE SINGLE, STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. MUTLI-STEM TREES SHALL HAVE 3-4 STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. HEIGHT-TO-CALIPER RATIOS SHALL BE CONSISTENT WITH THE LATEST EDITION OF ANSI Z60.1.
8. ROOT SYSTEMS SHALL BE LARGE ENOUGH TO ALLOW FOR FULL RECOVERY OF THE TREE, AND SHALL CONFORM TO STANDARDS AS THEY APPEAR IN THE MOST CURRENT REVISION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S AMERICAN STANDARD OF NURSERY STOCK ANSI Z60.1.
9. BNB TREES SHALL BE DUG WITH A BALL OF SOIL, NOT SOFT BALLED OR POTTED AND SHALL BE FIRM IN THEIR ROOTBALL. ROOT BALL SHALL BE WRAPPED (WITH BIODEGRADABLE MATERIAL). THE TREE ROOT FLARE, OR COLLAR, SHALL BE AT OR WITHIN THE TOP THREE INCHES OF GRADE.
10. ALL SPRING TREES MUST BE FRESHLY DUG IN THE MOST RECENT SPRING.
11. ALL AUTUMN TREES MUST BE FRESHLY DUG IN THE MOST RECENT AUTUMN.
12. TREES SHALL BE ALIVE, HEALTHY AND APPROPRIATELY MOIST, AT TIME OF DELIVERY. TREES SHALL BE SUBJECT TO INSPECTION FOR CONFORMITY TO SPECIFICATION REQUIREMENTS AND APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY TREES THAT DO NOT MEET THE SPECIFICATIONS OR THAT HAVE BEEN DAMAGED DURING SHIPMENT. THE LANDSCAPE INSTALLER MUST RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY SUBSTITUTIONS OR ALTERATIONS.
13. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH PLANTING DETAILS.
14. ALL PLANTING BEDS SHALL HAVE A MINIMUM 10" DEPTH OF PREPARED SOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 10" OF SOIL. REFER TO SOIL PLACEMENT NOTES.
15. WHILE PLANTING TREES AND SHRUBS, BACKFILL ⅔ OF PLANTING HOLE AND WATER TREE THOROUGHLY BEFORE INSTALLING THE REMAINDER OF SOIL MIXTURE. AFTER ALL SOIL HAS BEEN PLACED INTO THE PLANTING HOLE WATER THOROUGHLY AGAIN.
16. THE CONTRACTOR MUST LABEL ALL TREES WITH THE COMMON AND BOTANICAL NAMES PRIOR TO FINAL INSPECTION.
17. OAK TREES SHALL BE TREATED FOR TWO-LINE CHESTNUT BORER BOTH AT THE TIME OF INSTALLATION AND DURING THE SECOND GROWING SEASON.
18. ALL PLANTING BEDS SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH, AND ALL TREES PLANTED IN TURF AREAS SHALL RECEIVE A 3" DEEP SHREDDED HARDWOOD MULCHED RING AS SHOWN IN PLANTING DETAILS.
19. ALL PLANTING BEDS AND TREE RINGS SHALL HAVE A 4" DEEP TRENCHED BED EDGE CREATED BY EITHER A FLAT LANDSCAPE SPADE OR MECHANICAL EDGER. BED EDGES ARE TO BE CUT CLEAN AND SMOOTH AS SHOWN ON LANDSCAPE PLANS WITH A CLEAN DEFINITION BETWEEN TURF AND PLANTING AREAS.
20. ALL AREAS RECEIVING STONE MULCH TO RECEIVE STEEL BED EDGING. CONTRACTOR TO PROVIDE STEEL EDGING SPECIFICATION FOR APPROVAL PRIOR TO INSTALLATION. STEEL EDGING TO BE INSTALLED PER MANUFACTURERS RECOMMENDATION.
21. AREAS THAT CALL FOR STONE MULCH SHALL RECEIVE LANDSCAPE FABRIC WITH 3" DEEP ALPINE STONE MULCH. REFER TO STONE MULCH DETAILS . CONTRACTOR TO PROVIDE LANDSCAPE FABRIC AND MULCH SPECIFICATIONS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. LANDSCAPE FABRIC SHALL BE INSTALLED TO COVER THE ENTIRE AREA TO RECEIVE STONE MULCH WITH EACH SEAM OVERLAPPING A MINIMUM OF 6".
22. ALL TURF SEED AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 6" OF SOIL AS INDICATED IN THE SOIL PLACEMENT NOTES. REQUIRED AMENDMENTS SHALL BE DETERMINED BASED ON A SOIL ANALYSIS TO BE PERFORMED. ALL TOPSOIL AMENDMENT SHALL BE AGED WEED FREE MANURE OR CLASS 1 ORGANIC MATTER.
23. FOR LAWN SEEDING, APPLY A STARTER FERTILIZER AND SEED UNIFORMLY AT THE RATE RECOMMENDED BY MANUFACTURER, AND PROVIDE A MULCH COVERING THAT IS SUITABLE TO PROMOTE SEED GERMINATION AND TURF ESTABLISHMENT. CONTRACTOR TO PROVIDE FERTILIZER, SEED, AND MULCH SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. EROSION CONTROL MEASURES ARE TO BE INSTALLED IN THOSE AREAS REQUIRING STABILIZATION (SWALES, SLOPES EXCEEDING 1:3, AND THOSE LOCATIONS INDICATED IN CIVIL DRAWINGS).
24. THE CONTRACTOR TO ENSURE A SMOOTH, UNIFORM QUALITY TURF IS ACHIEVED WITH NO BARE SPOTS LARGER THAN 6" X 6". ANY BARE SPOTS LARGER THAN 6" X6" AT THE END OF ESTABLISHMENT PERIOD SHALL BE RESEEDED AT THE CONTRACTORS EXPENSE TO OBTAIN A DENSE, UNIFORM LAWN.
25. ALL FINISH GRADING AND LAWN AREAS TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
26. ALL DISTURBED AREAS WITHIN THE PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
27. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
28. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING ANY IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.
29. TREES SHALL BE INSTALLED NO CLOSER THAN:
    - -10 FEET FROM ANY FIRE HYDRANT
    - 7 FEET FROM STORM SEWER, SANITARY SEWER LATERALS, DRIVEWAYS, AND WATER SERVICE
30. THE CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS
31. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
32. THE CONTRACTOR IS TO REVIEW ALL SITE ENGINEERING DOCUMENTS PRIOR TO INSTALLATION. ANY CONFLICTS MUST BE REPORTED TO THE LANDSCAPE ARCHITECT. THESE LANDSCAPE DRAWINGS ARE FOR THE INSTALLATION OF PLANT MATERIALS ONLY UNLESS OTHERWISE STATED.
33. THE CONTRACTOR SHALL PROVIDE WATERING AND MAINTENANCE SERVICES FOR A PERIOD OF 60 DAYS TO ENSURE VEGETATIVE ESTABLISHMENT. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUPPLY THE OWNER IN WRITING WITH ONGOING WATERING AND MAINTENANCE INSTRUCTIONS.
34. PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM TIME OF OWNER ACCEPTANCE. ONLY ONE REPLACEMENT PER PLANT WILL BE REQUIRED DURING THE WARRANTY PERIOD EXCEPT IN THE EVENT OF FAILURE TO COMPLY WITH THE SPECIFIED REQUIREMENTS.
35. THE CONTRACTOR IS RESPONSIBLE TO CONDUCT A FINAL WALK THROUGH WITH THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE TO ANSWER QUESTIONS, PROVIDE INSTRUCTIONS, AND ENSURE THAT PROJECT REQUIREMENTS HAVE BEEN MET.

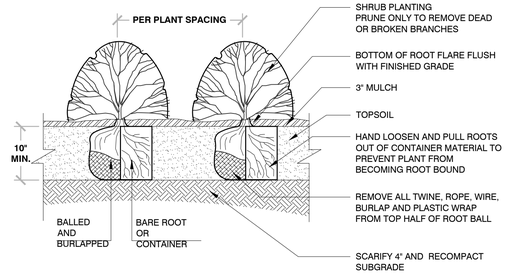
SOIL PLACEMENT NOTES

1. LOOSEN SUBGRADE TO A MINIMUM DEPTH INDICATED IN PLANTING NOTES USING A CULTI-MULCHER OR SIMILAR EQUIPMENT, AND REMOVE STONES MEASURING OVER 1-1/2 INCHES IN ANY DIMENSION, STICKS, RUBBISH AND OTHER EXTRANEOUS MATTER. AREAS ADJACENT TO WALKS AND PAVEMENT SHALL BE FREE OF EXCESS STONE AND PAVING MATERIALS SO AS TO PROVIDE AN UNINTERRUPTED CROSS SECTION OF SOIL. INTERNAL PARKING ISLANDS SHALL BE LOOSENED TO A DEPTH OF 30".
2. THOROUGHLY BLEND PLANTING SOIL MIX FOR PLANTING BED AREAS. (1 PART EXISTING SOIL, 1 PART TOPSOIL, 1 PART ORGANIC SOIL AMENDMENT, 2.9 POUNDS PER CUBIC YARD OF 4-4-4 ANALYSIS SLOW-RELEASE FERTILIZER)
3. TREE AND SHRUB HOLES SHALL BE FILLED WITH A PREPARED PLANTING MIXTURE OF 1 PART TOPSOIL, 2 PARTS PLANTING SOIL MIX.
4. SPREAD SOIL AND SOIL AMENDMENTS TO DEPTH INDICATED ON DRAWINGS, BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. (FINISH GRADE OF PLANTING BEDS SHALL BE 3" BELOW ALL ADJACENT SURFACES. FINISH GRADE OF TURF SEEDING AREAS SHALL BE 1" BELOW ALL ADJACENT HARD SURFACES, WALKS, AND CURBS.)
5. PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF SOIL REQUIRED. WORK INTO TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER, THEN PLACE REMAINDER OF THE SOIL. SOIL TRANSITION LAYER SHALL BE TILLED TO A MINIMUM DEPTH OF 6" BELOW THE DEPTH OF NEWLY PLACED SOIL. PARKING LOT ISLANDS SHALL BE CROWNED TO A HEIGHT OF 6" TO PROVIDE PROPER DRAINAGE UNLESS OTHERWISE NOTED.
6. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
7. FINISH GRADING: GRADE SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
8. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
9. RESTORE PLANTING BEDS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.



1 TREE PLANTING

1/4" = 1'-0" 329343-01

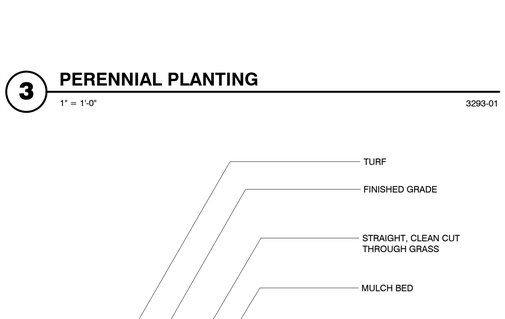


BAREROOT PLANTING NOTES:

1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2. SCARIFY SIDES AND BOTTOMS OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND BOTTOM ROOTS.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS APPROXIMATELY AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL MIX.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACKFILL VOIDS AND WATER SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

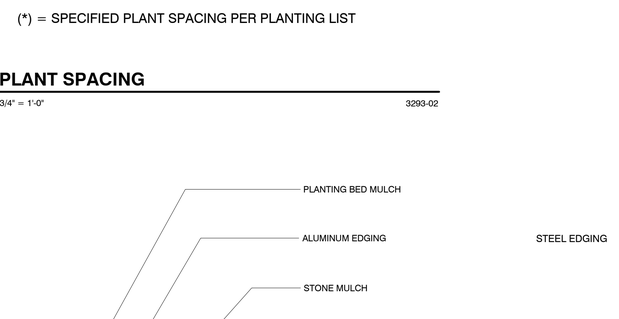
2 SHRUB PLANTING

1/2" = 1'-0" 329333-02



3 PERENNIAL PLANTING

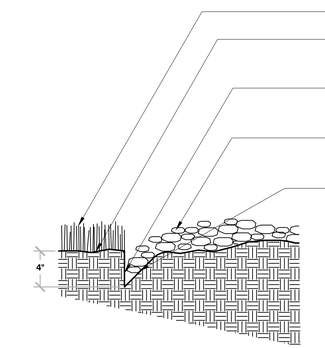
1" = 1'-0" 3293-01



(*) = SPECIFIED PLANT SPACING PER PLANTING LIST

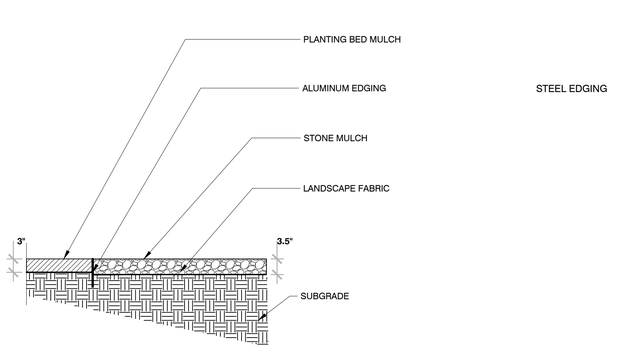
4 PLANT SPACING

3/4" = 1'-0" 3293-02



5 TRENCHED BED EDGE

3/4" = 1'-0" 3293-03



STEEL EDGING

6 STONE MAINTENANCE STRIP

3/4" = 1'-0" 329413-01

PINNACLE ENGINEERING GROUP
ENGINEERING I NATURAL RESOURCES I SURVEYING
PLAN I DESIGN I DELIVER
www.pinnacle-engr.com
WISCONSIN OFFICE:
20725 WATERTOWN ROAD, SUITE 100
BROOKFIELD, WI 53186
(262) 754-8888
CHICAGO I MILWAUKEE : NATIONWIDE

LATITUDE 43

WAUWATOSA, WI

LANDSCAPE GENERAL NOTES & DETAILS

REVISIONS

PEG JOB No 6675.00-WI
PEG PM APM
START DATE 10/7/25
SCALE VARIES

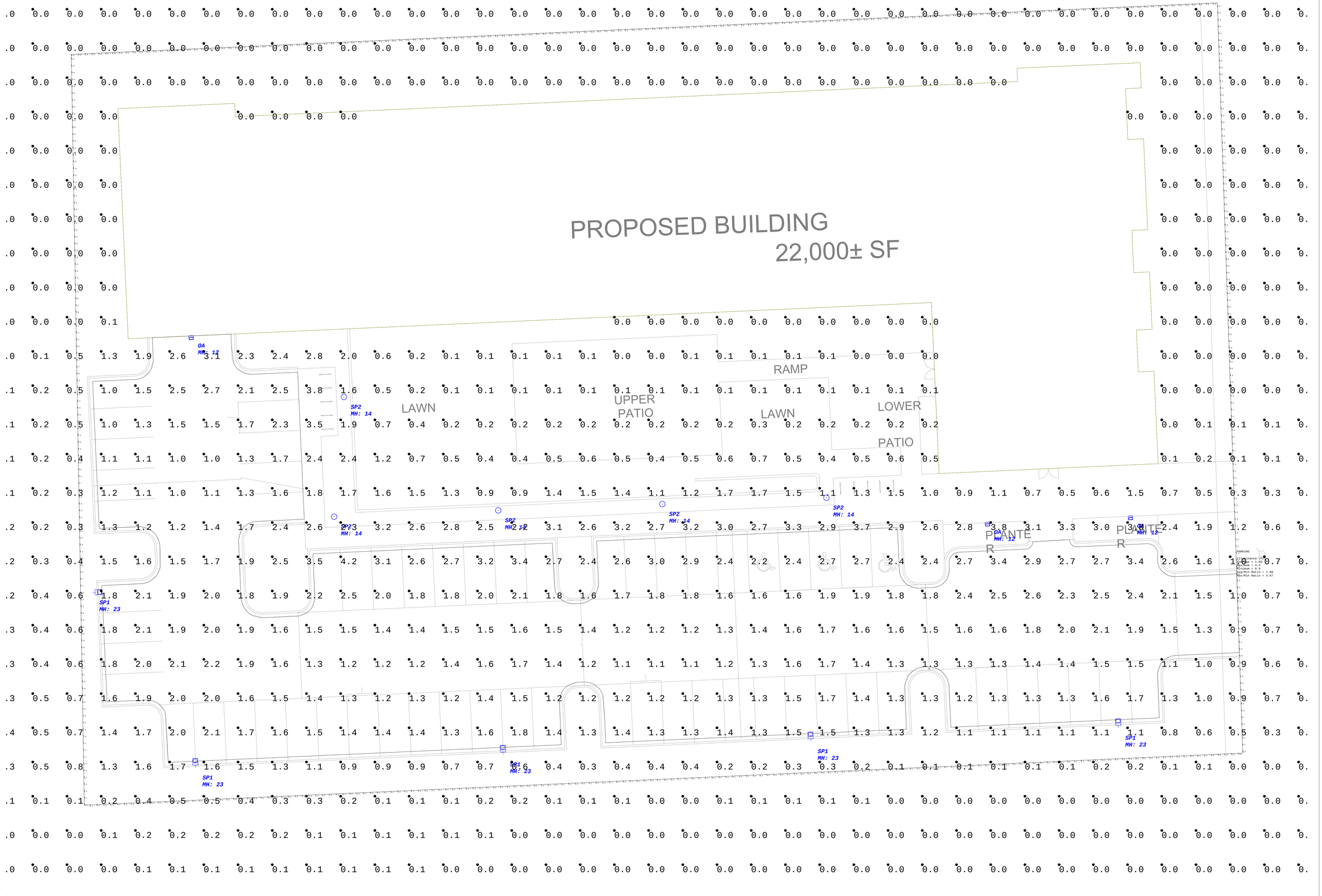
SHEET L-2 OF L-2

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LANDSCAPE GENERAL NOTES & DETAILS

REVIEWED DJB
DESIGNED RLY
DRAFTED RLY

Z:\PROJECTS\2025\6675.00-WI\CAD\SHEETS\6675.00-WI LANDSCAPE PLAN.DWG



1. Standard Reflectance of 80/50/20 unless noted otherwise
2. Not a Construction Document, for Design purposes only
3. Standard indoor calc points @ 30" A.F.F. unless noted otherwise
4. Standard outdoor calc points @ Grade unless noted otherwise
5. Egress calc points @ 0" A.F.F.
6. Mlazgar Associates assumes no responsibility for installed light levels due to field conditions, etc.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
OVERALL	Illuminance	Fc	0.30	4.2	0.0	N.A.	N.A.
PROPERTY LINE	Illuminance	Fc	0.20	1.1	0.0	N.A.	N.A.
PARKING	Illuminance	Fc	1.69	4.2	0.9	1.88	4.67

Luminaire Schedule								
Symbol	Qty	Label	Manufacturer	Description	Arrangement	Lum. Lumens	Lum. Watts	LLF
	3	OA		PRV-P-PA1A-740-U-T4W	Single	4348	30.7	0.900
	5	SP1		PRV-PA1B-740-U-T4W-HSS	Single	7053	74	0.900
	5	SP2		ARB-B2-LED-D1-T4	Single	4691	48	0.900

MLAZGAR ASSOCIATES
16350 W. GLENDALE DR.
NEW BERLIN, WI 53151
(p) 414-943-1915
(f) 952-943-8088
www.mlazgar.com

MLAZGAR ASSOCIATES

#	Date	Comments

Revisions

RLMA Project #: 178706
Drawn By: BS
Date: 10/6/2025

Scale: 1" = 10'

PHOTOMETRIC

MAYFAIR APARTMENTS

LABEL- OA

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail Petite Discrete Wall

Wall Mount Luminaire

Product Features

BAA FADC

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Product Specifications page 3
- Energy and Performance Data page 4
- Control Options page 5

Product Certifications

TSN CERTIFIED, UL CERTIFIED, DLC LISTED [1], DLC LISTED PREMIUM [1], FC CLASS A CAN ICES-005, RoHS COMPLIANT, IP66, ida DARK SKY APPROVED [2], 5 YEAR LIMITED WARRANTY

Quick Facts

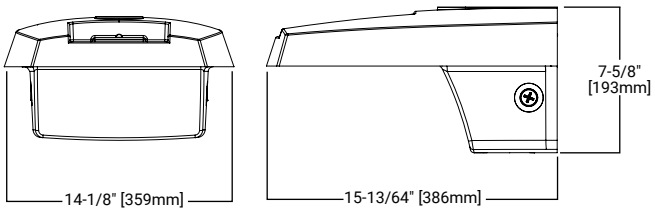
- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 11,300 lumens (30W - 90W)
- Replaces 70W up to 250W HID equivalents
- Efficacies up to 147 lumens per watt
- Surface mount configuration with standard conduit entry

Connected Systems

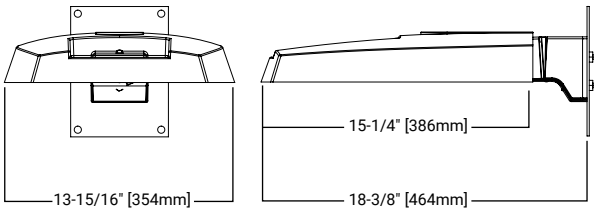
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details

Surface Mount (SM)



Wall Mount (WM)



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

LABEL- OA

SAMPLE NUMBER: **PRV-P-PA1B-740-U-T4W-SM-BZ**

Product Family [1]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [2]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Compliant [22] **TAA-PRV-P**=Prevail Petite TAA Compliant [22]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K	**U**= Universal, 120-277V **H**= High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [3, 23] **9**=347V **DV**=Duravolt, 277-480V	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SM**=Surface Wall Mount **WM**=Wall Mount Arm	**BZ**=Bronze **AP**=Grey **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
2L=Two-Circuit Light Engine [19]
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
EBP=Emergency Battery Pack (Ambient Temp, 0° to 40°C) [4, 5]
CBP=Cold Weather Emergency Battery Pack (Ambient Temp, -20° to 40°C) [4, 5]
CBP-CEC=Cold Weather Emergency Battery Pack, CEC Compliant (Ambient Temp, -20° to 40°C) [4, 5]
HSS=House Side Shield (Factory Installed) [6]
HA=50°C High Ambient Temperature [7]
CC=Coastal Construction [8]
BPC=Button Photocontrol [9]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [9, 10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [9, 10]
FADC=Field Adjustable Dimming Controller [24]
MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting [9, 11, 12]
MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting [9, 11, 12]
MS/DIM-L40W=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [9, 11, 12]
SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [9, 11, 13]
SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [9, 11, 13]
SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting [9, 11, 13]
WPS2XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [9, 11, 14, 15, 16]
WPS4XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [9, 11, 14, 15, 16]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [9, 11, 14, 15, 16]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [9, 11, 14, 15, 16]

Accessories (Order Separately) [17, 18]

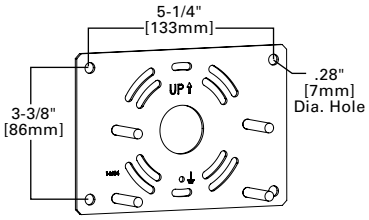
HSS-HP=House Side Shield, Horizontal Panel [7]
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [20]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [21]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
3. 480V not to be used with ungrounded or impedance grounded systems.
4. Only available on Surface Wall Mount (SM) mounting.
5. Must use with Univeral (U) voltage only. Not available with other voltage options. Not available with PA1D light engine.
6. House Side Shield not for use with 5WQ distribution.
7. Not available with EBP, CBP, or CBP-CEC options. Not available with PA1D light engine.
8. Salt spray tested to over 5,000-hours per ASTM B117 with a scribe rating of 9 per ASTM D1654. Also achieves 7,000-hour rating per ASTM B117 with a scribe rating of 4 per ASTM D1654. Extended lead times may apply.
9. Option is not available with other controls: photocontrols (BPC), photocontrol receptacles (PR or PR7), or controls systems (MS).
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Option not available with High Voltage (H). Must specify Universal (U), 347V (9), or 480V (8) voltage.
12. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
13. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
14. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
15. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
16. Replace XX with sensor color (WH, BZ or BK).
17. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
18. Replace XX with paint color.
19. Controls and/or emergency battery packs operate only one of the two circuits when 2L is specified.
20. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
21. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS). Only for use at 120-347V.
22. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
23. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
24. Cannot be used with PR7 or other motion response control options.

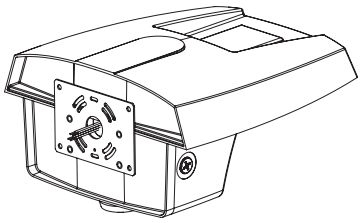
LABEL- OA

Mounting Details

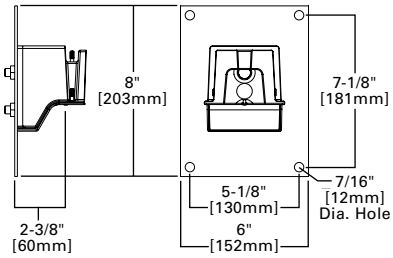
Surface Mount Plate (SM)



Surface Mount Assembly (SM)



Wall Mount (WM)



Product Specifications

Construction
- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door
- Surface Mount (SM) offers two 1/2" NPT conduit entry plugs
- Not suitable for inverted mount installation

Optics
- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical
- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected.

Typical Applications
Outdoor, Pedestrian Pathways, Building Entrances, Loading Docks, Perimeter Parking Lots

Finish
Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness

Shipping Data
Prevail Petite (with CBP): 21 lbs. (9.53 kgs.)

Warranty
Five year limited warranty, consult website for details.
www.cooperlighting.com/legal

LABEL- OA

Energy and Performance Data

Power and Lumens

Light Engine		PA1A	PA1B	PA1C	PA1D
Power (Watts)		31	53	72	93
Drive Current (mA)		375	670	930	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78
Input Current @ 277V (A)		0.12	0.20	0.28	0.35
Input Current @ 347V (A)		0.10	0.17	0.23	0.29
Input Current @ 480V (A)		0.07	0.13	0.17	0.22
Distribution					
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	147	139	132	121
	3000K Lumens [1]	4,103	6,705	8,647	10,291
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2
	Lumens per Watt	121	115	109	100
	3000K Lumens [1]	3,394	5,547	7,154	8,514
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
	Lumens per Watt	146	139	131	121
	3000K Lumens [1]	4,095	6,691	8,630	10,271
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	Lumens per Watt	106	101	95	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	145	138	130	119
	3000K Lumens [1]	4,046	6,612	8,528	10,150
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	111	105	100	91
	3000K Lumens [1]	3,102	5,069	6,538	7,781
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	142	135	127	117
	3000K Lumens [1]	3,960	6,471	8,346	9,932
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	108	103	97	89
	3000K Lumens [1]	3,022	4,938	6,369	7,580
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	146	139	131	121
	3000K Lumens [1]	4,095	6,693	8,632	10,273

NOTES:
1. For 3000K or HSS BUG Ratings, refer to published IES files.

Power and Lumens: Emergency Configurations

Light Engine		PA1A	PA1B	PA1C
Power (Watts) [1]		37	59	78
Input Current @ 120V (A)		0.33	0.52	0.68
Input Current @ 277V (A)		0.16	0.24	0.31
Distribution [2]				
Type II Roadway	4000K/5000K Lumens	2,035		
	3000K Lumens	1,853		
Type II Urban	4000K/5000K Lumens	2,030		
	3000K Lumens	1,849		
Type III	4000K/5000K Lumens	2,007		
	3000K Lumens	1,827		
Type IV Wide	4000K/5000K Lumens	1,964		
	3000K Lumens	1,788		
Type V Square Wide	4000K/5000K Lumens	2,031		
	3000K Lumens	1,849		

NOTES:
1. Power and current based on full power consumption while EBP or CBP is charging.
2. Estimated lumen outputs while luminaire is operating in emergency mode only at full charge.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 663,000

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Control Options

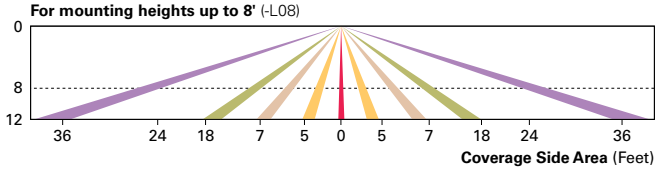
LABEL- OA

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

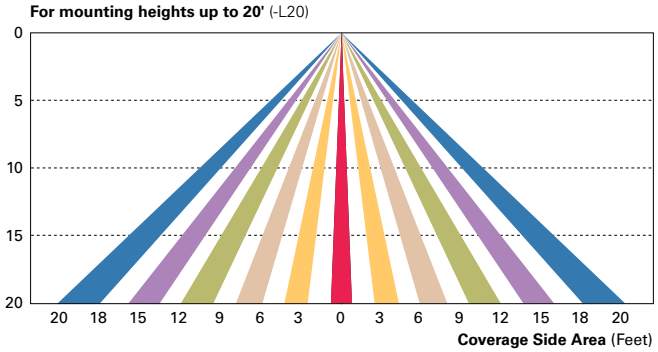
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

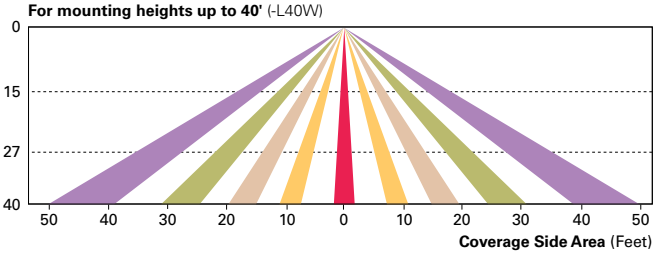
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

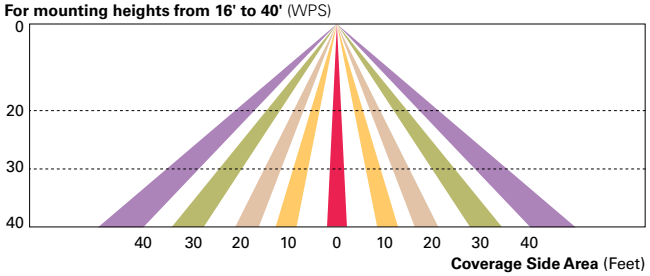


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (WPS)



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions
subject to change without notice.

LABEL- SP1

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

BAA · TAA · BABA · FADC

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3, 4
- Optical Configurations page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 8

Product Certifications

ISTI Systems Certified · UL Certified · DLC Listed [1] · DLC Listed Premium [1] · FC Class A CAN ICES-005 · RoHS Compliant · IP66 · Dark Sky Approved [2] · 5 Year Limited Warranty

Quick Facts

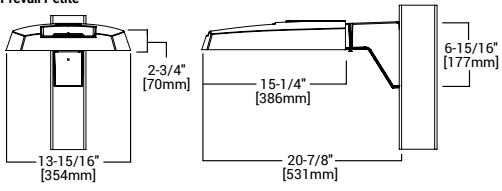
- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

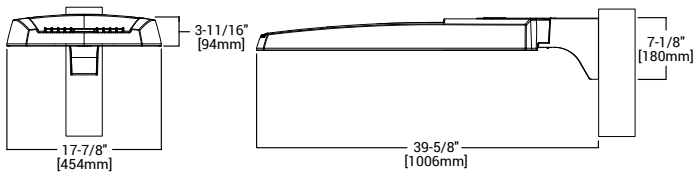
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details

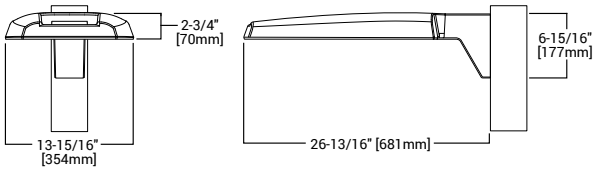
Prevail Petite



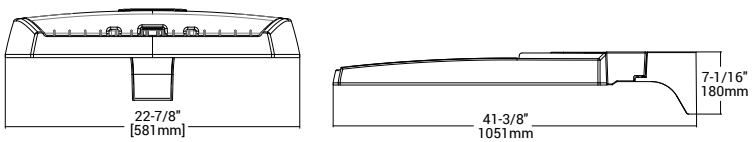
Prevail XL



Prevail



Prevail Maxx



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

LABEL- SP1

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3] **BABA-PRV-P**=Prevail Petite BABA Build America Buy America Act Compliant [31]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [26] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [28] **ADJA**=Adjustable Arm – Pole Mount [28] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [28] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [26, 28]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3] **BABA-PRV**=Prevail BABA Build America Buy America Act Compliant [31]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3] **BABA-PRV-XL**=Prevail XL BABA Build America Buy America Act Compliant [31]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3] **BABA-PRV-M**=Prevail Maxx BABA Build America Buy America Act Compliant [30]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [29]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 26, 27]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 27]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16]

Accessories (Order Separately) [20, 21]

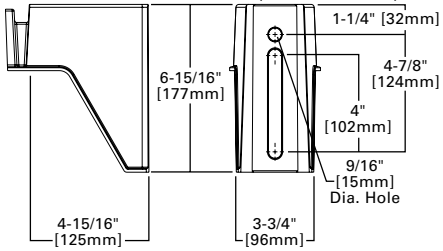
PRVSA-XX=Standard Arm Mounting Kit [21]
PRVMA-XX=Mast Arm Mounting Kit [21]
PRVWM-XX=Wall Mount Kit [21]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [21]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [21]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [21]
PRVXLSA-XX=Standard Arm Mounting Kit [27]
PRVXLMA-XX=Mast Arm Mounting Kit [27]
PRVXLWM-XX=Wall Mount Kit [27]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [27]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [26]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [26]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [26]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [22]
PRVXL/DIS-FDV=Full Drop Visor [17]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 23]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 23]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [24]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [25]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. Replace XX with sensor color (WH, BZ or BK).
17. Only available in PRV-XL configurations.
18. Not available with High Voltage (H, DV, 8 or 9) or HA options.
19. Replace XX with paint color.
20. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
21. Not for use with PRV-XL or PRV-M configurations.
22. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
23. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
24. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
25. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
26.Only available for PRV-M configurations.
27. Only for use with PRV-XL.
28. Fixed for PRV-M
29. Cannot be used with PR7 or other motion response control options.
30. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

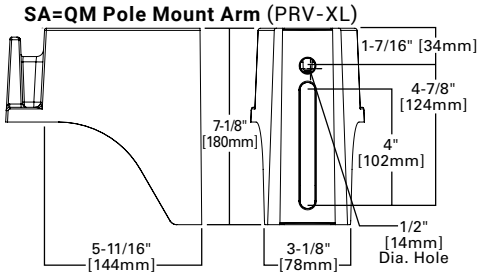
LABEL- SP1

Mounting Details

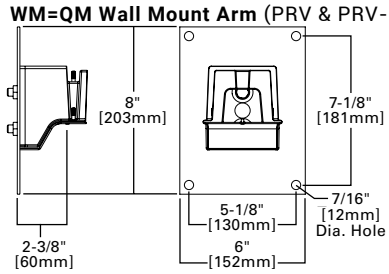
SA=QM Pole Mount Arm (PRV & PRV-P)



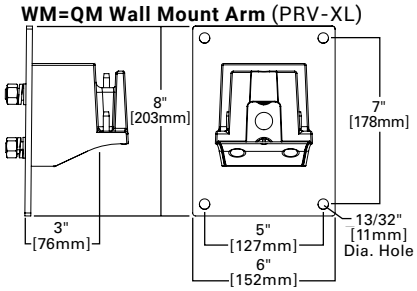
SA=QM Pole Mount Arm (PRV-XL)



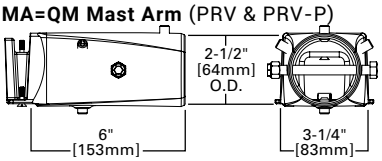
WM=QM Wall Mount Arm (PRV & PRV-P)



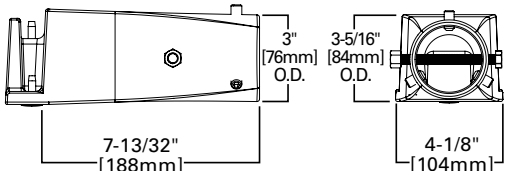
WM=QM Wall Mount Arm (PRV-XL)



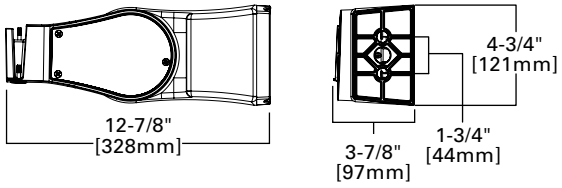
MA=QM Mast Arm (PRV & PRV-P)



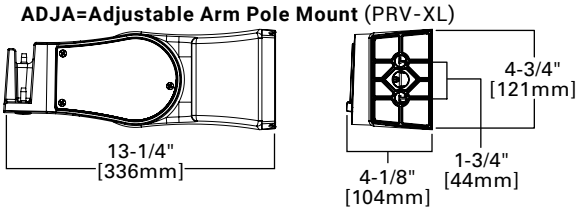
MA=QM Mast Arm (PRV-XL)



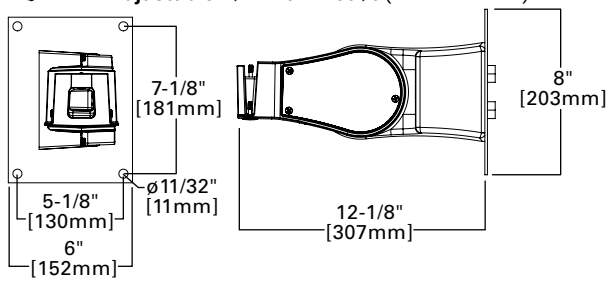
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



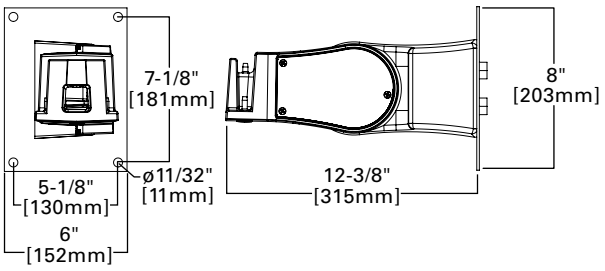
ADJA=Adjustable Arm Pole Mount (PRV-XL)



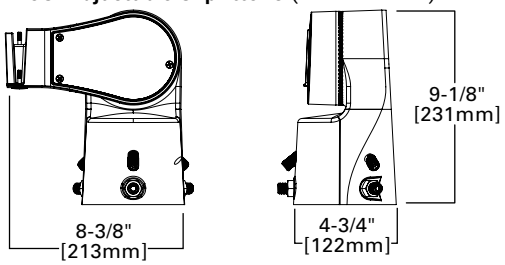
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



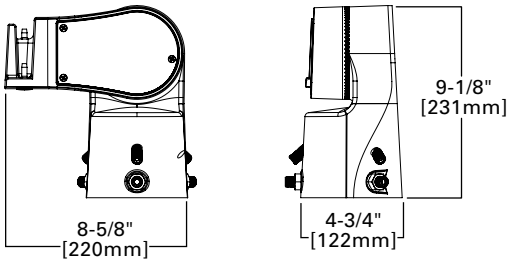
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)



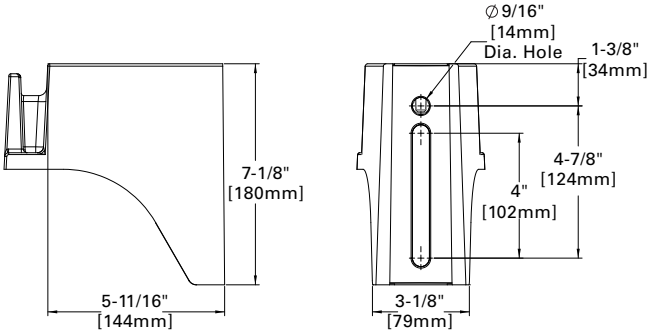
ADJS=Adjustable Slipfitter 3 (PRV-XL)



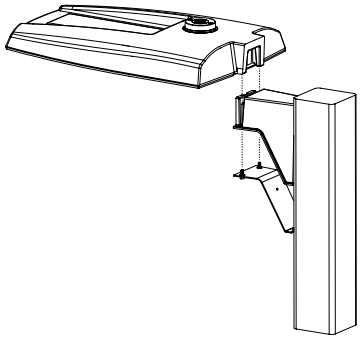
LABEL- SP1

Mounting Details

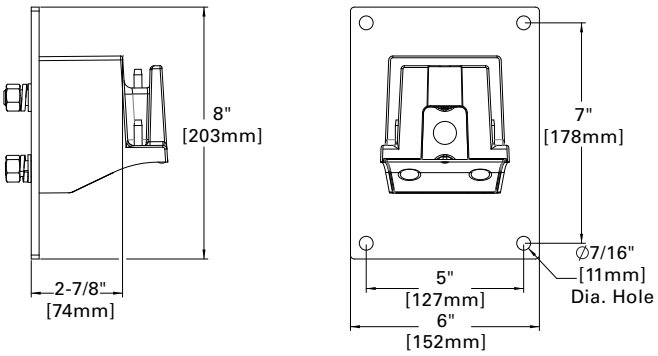
SA=QM Pole Mount Arm (PRV-M)



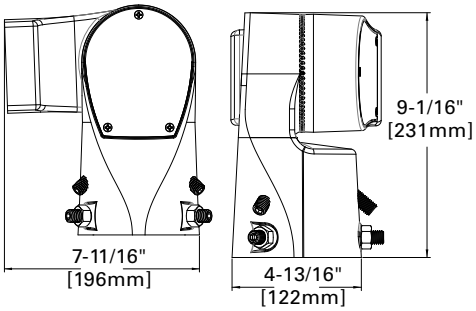
Versatile Mount System



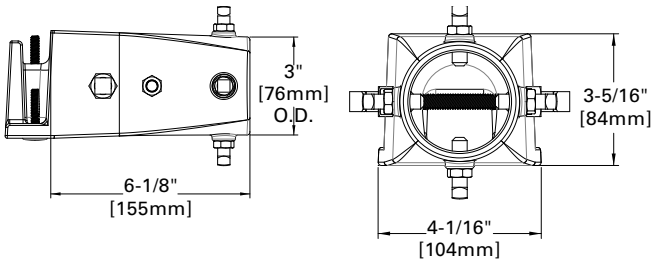
WM=QM Wall Mount Arm (PRV-M)



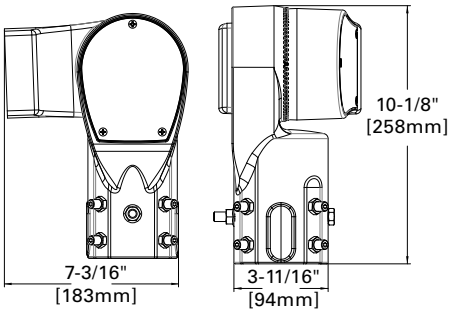
ADJS=Adjustable Slipfitter (PRV-M)



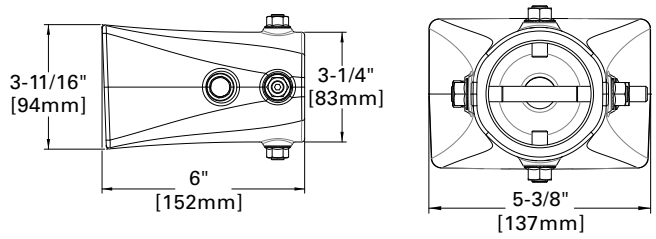
MA=QM Mast Arm (PRV-M)



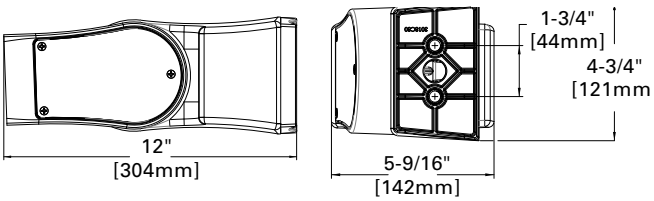
SP2=Adjustable Slipfitter 2-3/8" (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



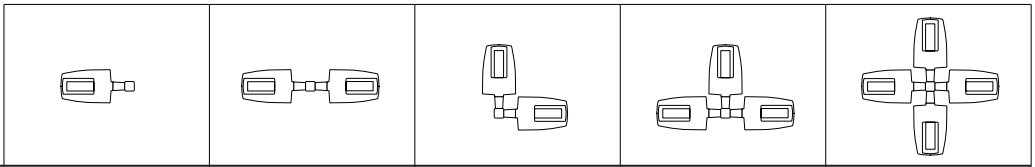
ADJA=Adjustable Pole Mount Arm (PRV-M)



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Mounting Details

Mounting Configurations and EPAs

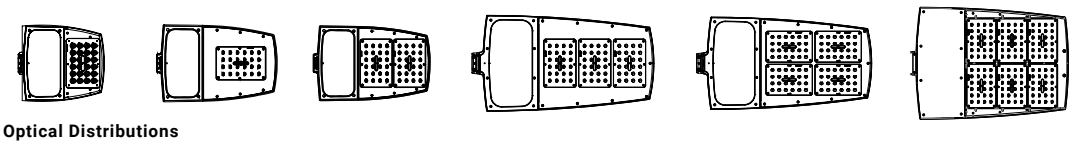


Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications

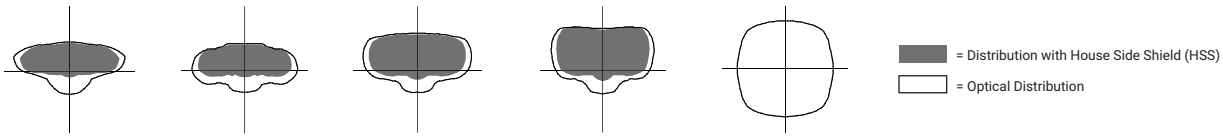
Optical Configurations

PRV-P-PA1X **PRV-PA1X** **PRV-PA2X** **PRV-XL-PA3X** **PRV-XL-PA4X** **PRV-M-PA6X**



Optical Distributions

T2R (Type II Roadway) **T2U** (Type II Urban) **T3** (Type III) **T4W** (Type IV Wide) **5WQ** (Type V Square Wide)



Product Specifications

Optics
- Precision molded polycarbonate optics

Electrical
- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

Physical Characteristics
- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door
- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)
- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only

Controls
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels; Comes pre-set to the highest position at the lumen output selected

Compliance
- DarkSky approved for 3000K CCT and warmer, with mounting options less than 10° of tilt.
- DLC and DLC Premium listed – visit designlights.org to confirm listed variations
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated
- BAA domestic preference option meets BAA requirements. See DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Typical Applications
- Parking lots
- Walkways
- Roadways
- Building Areas

Shipping Data
- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

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Energy and Performance Data

Power and Lumens

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Product Family		Prevail Petite				Prevail				Prevail XL				Prevail Maxx			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54
Input Current @ 277V (A)		0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94
Input Current @ 347V (A)		0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60
Input Current @ 480V (A)		0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens [1]	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens [1]	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens [1]	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens [1]	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens [1]	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27466	34717	40872	44818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens [1]	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens [1]	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens [1]	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:
1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

LABEL- SP1

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

Control Options

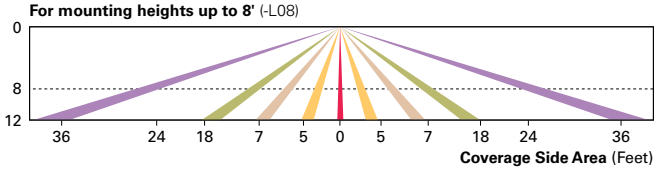
LABEL- SP1

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

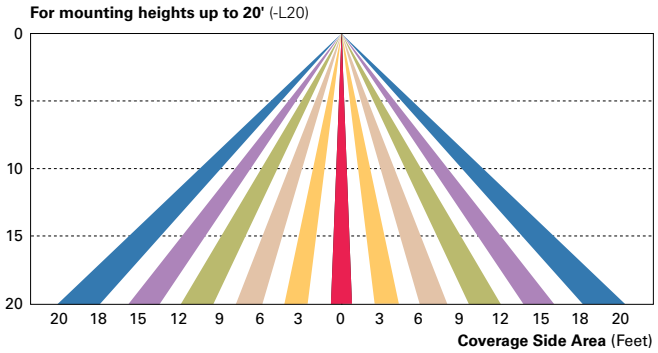
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

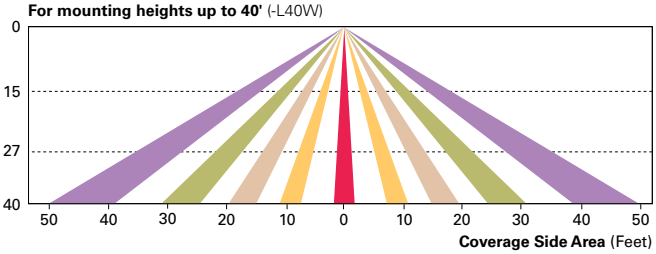
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

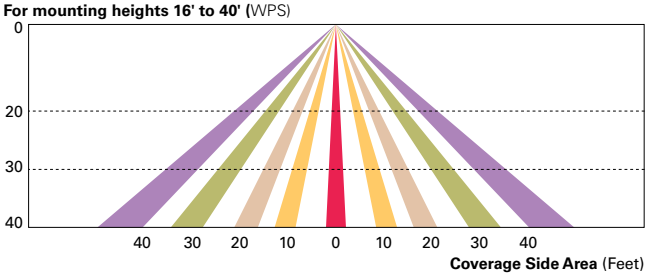


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx PRO Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights 16' to 40' (WPS)



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

LABEL- SP2

Project		Catalog #		Type	
Prepared by		Notes		Date	



Invue

ARB Arbor Post Top

Decorative Luminaire

Product Features

BAA · BABA · WaveLinx Digital Lighting Control Solutions

Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Optical Distributions page 5
- Control Options page 7

Product Certifications

ISO Certified · IP66 · DarkSky Approved · UL Certified · 3G VIB · 1.5G VIB

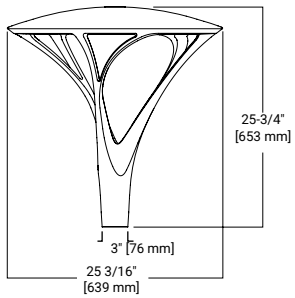
Quick Facts

- Low copper content two piece aluminum housing
- Type II, III and IV asymmetric and type V symmetric NEMA distributions
- Up to 110 LPW
- 4000K @ 70 CRI standard, other options are available
- 3G vibration rated (post top) and 1.5G (single/twin pole accessories)
- Wall mount accessories available

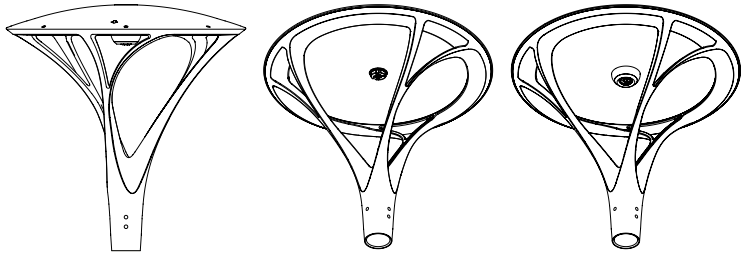
Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional and Mounting Details



Pole Mount



Pole Mount with WaveLinx

Weight: 37 lbs. [16.8 kgs.]
EPA: 0.9 Sq. Ft.

Ordering Information

LABEL- SP2

SAMPLE NUMBER: **ARB-B2-LED-D1-T2-GM**

Product Family [1, 2]	Lumens [3]	Lamp Type	Voltage	Distribution	Color [7]
ARB=Arbor Post Top **BAA-ARB**=Arbor Post Top Buy American Act Compliant [23] **BABA-ARB**=Build America Buy America Act [29]	**B1**=Nominal 2,300 Lumens **B2**=Nominal 4,500 Lumens **B3**=Nominal 8,500 Lumens **B4**=Nominal 9,500 Lumens [4]	**LED**=Solid State Light Emitting Diodes	**D1**=Dimming Driver (120-277V) **347**=347V [5] **480**=480V [5, 6]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)	Accessories (Order Separately) [8]
7030=70 CRI / 3000K CCT [8] **7035**=70 CRI / 3500K CCT [8] **8030**=80 CRI / 3000K CCT [8] **8035**=80 CRI / 3500K CCT [8] **AMB**=Amber 590nm [11, 25] **20MSP**=Parallel 20kV MOV Surge Protection Device **20K**=Series 20kV UL 1449 Surge Protection Device **PC**=Button Type Photocontrol **PER**=NEMA 3-PIN Twistlock Photocontrol Receptacle **PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle **HA**=50°C High Ambient Temperature [9] **SPB1**=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [21] **SPB2**=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [21] **SPB4**=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [21] **MS-L08**=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [10, 11] **MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [10, 11] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [10, 11] **MS/DIM-L08**=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [10, 11] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [10, 11] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [10, 11] **WLS2XX=**WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting **WLS4XX=**WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting **WPS2XX=**WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [10, 12, 13, 18, 27] **WPS4XX=W**aveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [10, 12, 13, 18, 27] **5LTD**=Fifth Light Dali Driver [10, 16] **DIM**=0-10V External Dimming Leads [10, 17] **VS**=Tempered Glass Vandal Shield **CC**=Coastal Construction [22] **SPBL2**=FDP-301-L2 (Wattstopper DALI sensor) **SPBL4**=FDP-301-L7 (Wattstopper DALI sensor) **TH**=Toolless hardware **F**=Single Fuse [26]	**ARSA-XX**=Single Pole Mount Arm [18] **ARWM-XX**=Wall Mount Arm **ARTA15-XX**=Twin Mount Bracket [19] **ARPA4-XX**=Pole Adapter 4" O.D. Pole **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [19] **WOLC-7P-10A**=Wavelinx Outdoor Control Module (7-PIN) [10, 20]

NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional information.
2. Fixture slipfits over standard 2-3/8" tenon. 3" O.D. tenon when used with a ARPA4-XX 4" O.D. pole adapter.
3. Standard 4000K CCT, nominal 70CRI.
4. B4 only available with Type V distribution.
5. Requires the use of a step down transformer.
6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
7. Custom and RAL color matching available upon request. Consult your lighting representative for more information.
8. Extended lead times apply. Use dedicated IES files when performing layouts.
9. Not available with B3 lumen package in Type II, III, or IV distributions.
10. Controls system is not available with photocontrol (PC), photocontrol receptacle (PER or PER7), or controls systems MS, LWR, DIM or SPBx.
11. Not available with HA option.
12. Sensor passive infrared (PIR) may be overly sensitive below -20°C (-4°F).
13. For device to be field-configurable, requires WAC Gateway components WAC-POE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more WaveLinx application information.
14. Not available on B1 or B4 lumen packages.
15. Not available in B4 lumen package.
16. Low voltage control leads brought 18" outside fixture.
17. Replace XX with paint color.
18. Fits on 3" O.D. x 4" long tenon for nominal 4-1/2" O.D. pole top.
19. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
20. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Operates on 120-347V input voltages.
21. Smart device with mobile application required to change system defaults. See controls section for details.
22. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
23. Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
24. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
25. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Lumen Package B1. See IES files for photometric performance.
26. Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg.
27. Not available with 5LTD option.
28. IDA Certified for 3000K CCT and warmer only
29. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

ARP ORDERING INFORMATION (ALUMINUM DECORATIVE POLE)

LABEL- SP2

SAMPLE NUMBER: **ARP5L310ABZ2**

Product Family	Shaft Size (Inches) [1]	Wall Thickness (Inches)	Pole Top Diameter (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Options (Add as Suffix)
ARP= Aluminum Round Tapered Decorative **BAA-ARP=** Aluminum Round Tapered Decorative Buy American Act Compliant [36]	**5=** 5"	**L=** 0.156" **M=** 0.188"	**3=** 3" O.D. [2] **6=** 4" O.D. [3]	**10=** 10' **12=** 12' **14=** 14' **16=** 16' **18=** 18' [4] **22=** 22' [4]	**A=** Aluminum (Round 4-Bolt Pole)	**AP=** Grey **BA=** Anodized Bronze **BK=** Black **BZ=** Bronze **CA=** Anodized Clear **DA=** Anodized Black **DP=** Dark Platinum **GM=** Graphite Metallic **GN=** Hartford Green **WH=** White	**2=** 2-3/8" O.D. Tenon (4" Long) **5=** 3" O.D. Tenon (4" Long)	**X=** None	**C=** Convenience Outlet [5] **E=** GFCI Convenience Outlet [5] **G=** Ground Lug **V=** Vibration Dampener [4]

NOTES:
1. All shaft sizes nominal.
2. Provides 3" O.D. pole top suited for Arbor Post Top.
3. Provides 4" O.D. pole top suited for LuxeScape post tops.
4. Vibration damper recommended over 18 feet add suffix "V" to catalog number.
5. Specify outlet location. Receptacle not included, provision only.

Product Specifications

Construction
- Two-piece housing is cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance
- ANSI C136.31 testing compliance prevents damage from installation generated vibration
- External hardware and casting seams are minimized to enhance appearance

Optics
- Specifically designed for pedestrian applications, WaveStream LED optical waveguide technology produces both symmetric NEMA type V and asymmetric NEMA II, III, IV distributions
- The waveguide is manufactured from precision injection molded acrylic resulting in a pixelation free optical image for improved glare control and visual comfort
- Luminaire efficacy's measure up to 110 lumens per watt for 4000K (+/- 275K) CCT at 70 CRI (min), other CCT and CRI options are available
- Turtle-safe 590nm amber option available

Electrical
- LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance
- 0-10V dimming compatibility is standard
- 10kV surge protection is standard
- Drivers operate at 120-277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional

Controls
- The Arbor LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions
- The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol
- See control options page for more details

Mounting
- Fixture is designed to slip-fit over a 2-3/8" tenon and is secured via six concealed stainless steel set screws
- Fixture seamlessly matches a 3" O.D. round pole top
- Utilize the pole mount adapter accessory "ARPA4-XX" to mount to a 3" diameter x 4" long tenon on 4" to 5" O.D. pole tops

Finish
- Premium TGIC based polyester powder coatings are specifically formulated to withstand years of outdoor service
- Finishes are compliant with ASTM B117 3000 hour salt spray standard
- RAL and custom colors are available. Additional charges and lead times apply

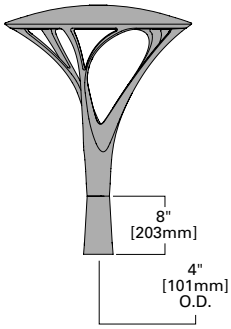
Compliance
- cULus certified for -40° to 40°C ambient environments, with high ambient options suitable up to 50°C
- IP66 rated
- Domestic preference option available to meet BAA requirements
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams
- Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- DarkSky approved for 3000K CCT and warmer

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

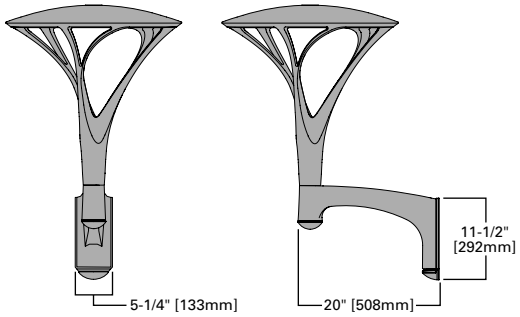
Mounting Configurations (Weight and EPAS includes fixture)

LABEL- SP2

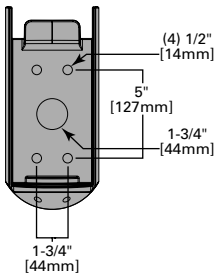
Post Top Adapter (ARPA4-XX)
Weight: 41 lbs. [18.63 Kgs.]
EPA: 1.2 Sq. Ft.



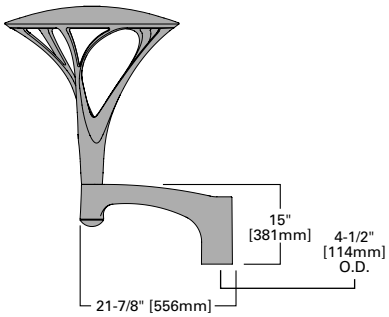
Wall Mount Arm (ARWM-XX)
Weight: 57 lbs. [25.91 Kgs.]
EPA: 1.8 Sq. Ft.



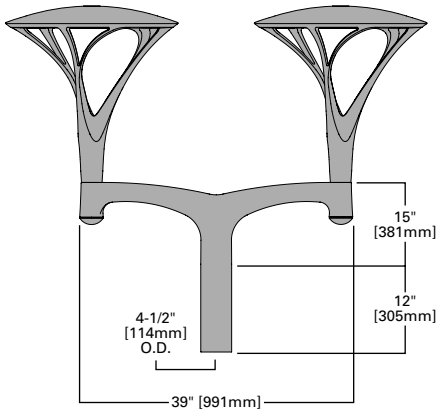
Wall Mount Arm Drill Pattern



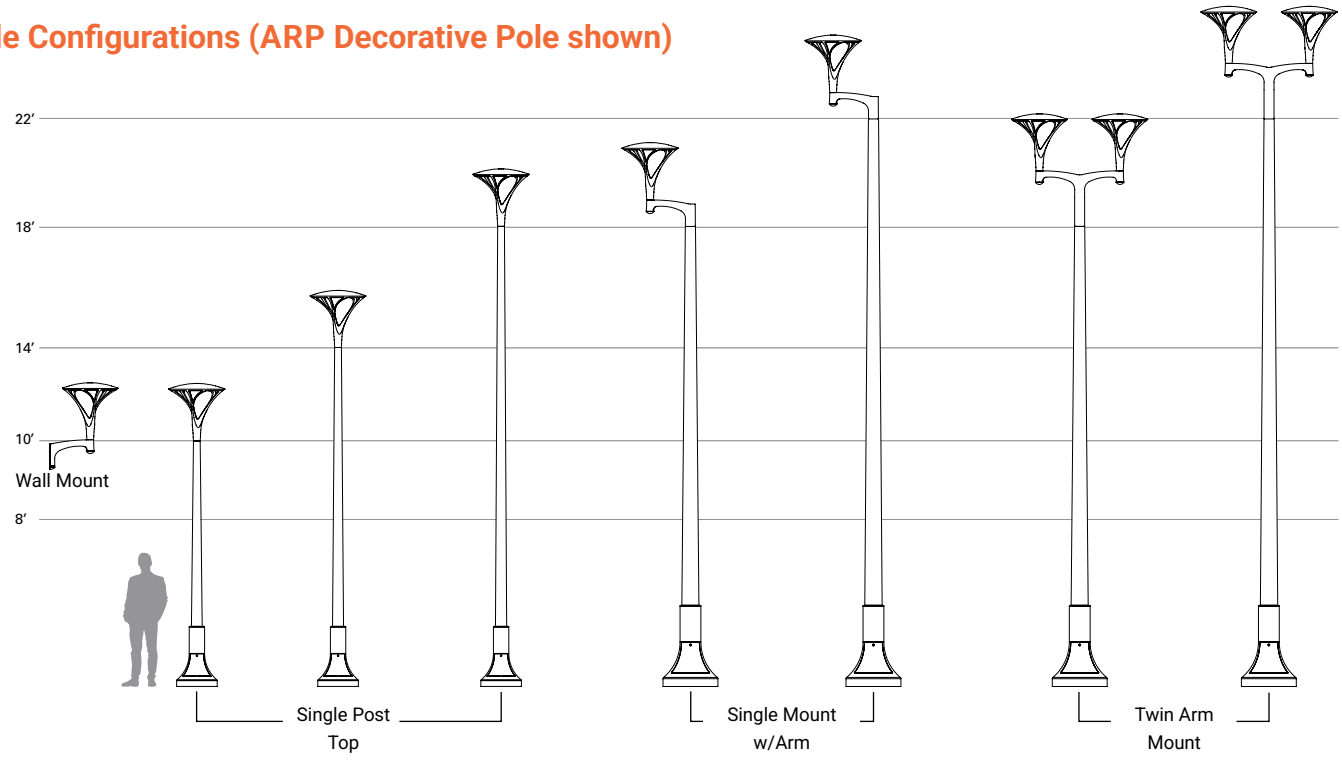
Single Arm Mount (ARSA-XX)
Weight: 56 Lbs. [25.45 Kgs.]
EPA: 1.7 Sq. Ft.



Twin Arm Mount (ARTA15-XX)
Weight: 114 lbs. [51.81 Kgs.]
EPA: 3.45 Sq. Ft.



Pole Configurations (ARP Decorative Pole shown)



Optical Distributions

LABEL- SP2

View IES files

Power and Lumens

Lumen/Distribution		B1	B2	B3	B4
Power Wattage (Watts)		24W	48W	96W	99W
Input Current (mA) @ 120V		200	400	800	830
Input Current (mA) @ 208V		120	240	470	480
Input Current (mA) @ 240V		100	200	400	420
Input Current (mA) @ 277V		90	180	350	360
Power Wattage (Watts)		26W	53W	107W	108W
Input Current (mA) @ 347V		79	161	325	328
Input Current (mA) @ 480V		58	117	235	237
Optics					
Type II	Lumens	2,045	3,994	7,362	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type III	Lumens	2,324	4,534	8,451	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type IV	Lumens	2,408	4,691	8,740	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type V	Lumens	2,311	4,529	8,511	9,464
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	B3-U0-G3

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Calculated L70 (HOURS)
25°C	>94%	>230,000
40°C	>88%	>172,000
50°C	>86%	>142,000

Note: Maintenance data applies to the highest drive current and represents the worst case at the highest wattage.

Color Temperature

Color Temperature (CCT)	CRI (Nominal)	Multiplier
4000	70	1.00
3000	80	0.91

Lumen Multiplier

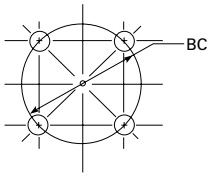
Lumen Package	Temperature
B1	-40°C
B2	-35°C
B3	-35°C
B4	-40°C
All DALI powered lumen packages	-20°C

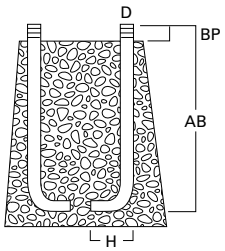
Power and Lumens

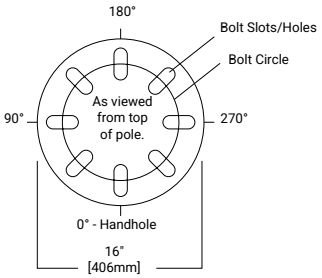
Lumen Package			B1	B2	B3	B4
CRI/CCT (Nominal)	**Distribution**					
7030: 70CRI / 3000K	Type II	Lumens	1893	3994	6815	-
		Lumens Per Watt	78.9	83.2	68.8	-
		BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	-
	Type III	Lumens	2324	4534	7823	-
		Lumens Per Watt	96.8	94.5	79.0	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type IV	Lumens	2408	4691	8090	-
		Lumens Per Watt	100.3	97.7	81.7	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type V	Lumens	2311	4529	7878	8761
		Lumens Per Watt	110.0	110.5	91.6	91.3
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3
8030: 80CRI / 3000K	Type II	Lumens	1708	3336	6149	-
		Lumens Per Watt	71.2	69.5	62.1	-
		BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	-
	Type III	Lumens	1941	3787	7058	-
		Lumens Per Watt	80.9	78.9	71.3	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type IV	Lumens	2011	3918	7300	-
		Lumens Per Watt	83.8	81.6	73.7	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type V	Lumens	1930	3783	7108	7904
		Lumens Per Watt	91.9	92.3	82.7	82.3
		BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3

LABEL- SP2

Anchorage Data

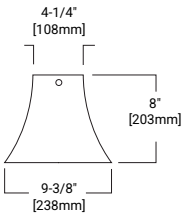






Anchor Base Detail

Access Door



Tenon O.D. (Inches)	Anchor Bolt and Template Package	Shaft Diameter (inches)	Bolt Circle (inches)	Number of Bolts	Bolt Size (inches)	Template Only
Aluminum Round Decorative Pole (ARP)	317AVE30	4 x 5	9	4	3/4 x 17	407040D

Effective Projected Area (At Pole Top)

Mounting Height (Feet)	Catalog Number	Wall Thickness (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection (Inches)	Shaft Taper (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) (1.3 gust factor)			Max. Load (Pounds)
MH			BC	BP	B	AB[1]		80 mph	90 mph	100 mph	
10	ARP5L310A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	57	20.0	17.5	14.1	120
10	ARP5L610A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	57	17.0	13.3	10.7	120
12	ARP5L312A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	62	18.2	14.1	11.2	120
12	ARP5L612A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	62	14.1	10.9	8.7	120
14	ARP5L314A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	67	14.8	11.4	9.0	120
14	ARP5L614A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	67	11.7	9.0	7.1	120
16	ARP5L316A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	72	12.0	9.1	7.0	120
16	ARP5L616A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	72	9.4	7.1	5.6	120
18	ARP5L318A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	77	9.5	7.1	5.4	120
18	ARP5L618A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	77	7.6	5.6	4.3	120
18	ARP5M618A	0.188	9.0	3.5	5 X 4	3/4 X 17 X 3	83	9.5	7.1	5.6	120

Effective Projected Area (18" Above Pole Top)

Mounting Height (Feet)	Catalog Number	Wall Thickness (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection (Inches)	Shaft Taper (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) (1.3 gust factor)			Max. Load (Pounds)
MH			BC	BP	B	AB[1]		80 mph	90 mph	100 mph	
10	ARP5L310A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	57	19.6	15.3	12.3	120
10	ARP5L610A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	57	17.0	13.3	10.7	120
12	ARP5L312A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	62	16.1	12.5	9.9	120
12	ARP5L612A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	62	14.1	10.9	8.7	120
14	ARP5L314A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	67	13.2	10.1	8.0	120
14	ARP5L614A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	67	11.7	9.0	7.1	120
16	ARP5L316A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	72	10.6	8.0	6.2	120
16	ARP5L616A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	72	9.4	7.1	5.6	120
18	ARP5L318A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	77	8.5	6.4	4.8	120
18	ARP5L618A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	77	7.6	5.6	4.3	120
18	ARP-5M618A	0.188	9.0	3.5	5 X 4	3/4 X 17 X 3	83	9.5	7.1	5.6	120

LABEL- SP2

Control Options

0-10V (D)

The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

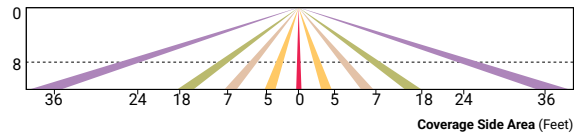
Photocontrol (PER and PER7)

Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

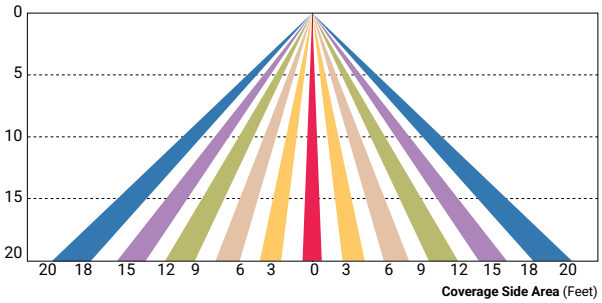
Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

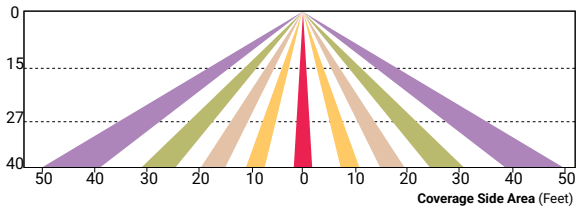
For mounting heights up to 8' (SPB1, -L08)



For mounting heights up to 20' (SPB2, -L20)



For mounting heights up to 40' (SPB4, -L40W)



WaveLinx Wireless Control and Monitoring System

Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

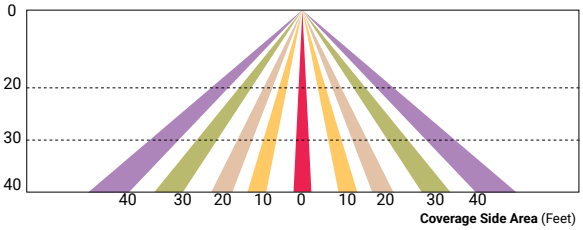
WaveLinx Outdoor Control Module (WOLC-7P-10A)

A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (WPS2 and WPS4)

These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights up to 16' to 40' (WPS)



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions
subject to change without notice.

File #: 25-2344 **Agenda Date:** 12/18/2025 **Agenda #:** 4.

8701 Watertown Plank Rd - The Commons at MCW - New Graduate Housing



THE COMMONS AT MCW

Wauwatosa, Wisconsin

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Milwaukee, WI 53233
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DEVELOPER

General Capital Group
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Fox Point, WI 53217
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OWNER

Medical College of Wisconsin
8701 West Watertown Plank Road
Milwaukee, WI 53226
P: 414-955-8296

DESIGN REVIEW BOARD SUBMISSION

251101
DECEMBER 9, 2025

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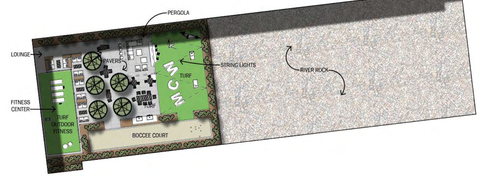
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THE COMMONS AT MCW | NORTHWEST CORNER

ARCHITECTURE 123

THE COMMONS AT MCW

4 STORIES OVER 2 LEVELS OF PARKING

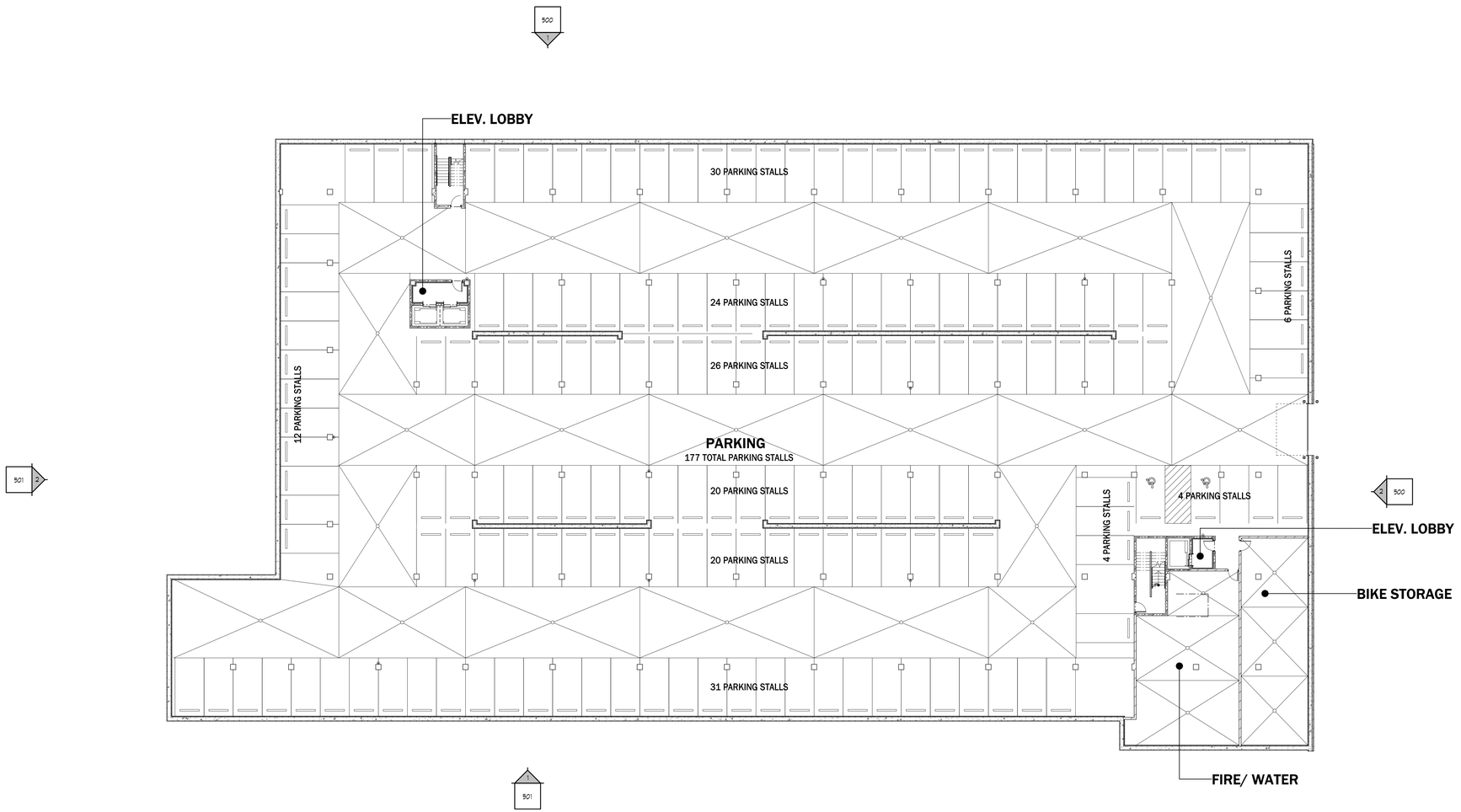


EXISTING PARKING GARAGE

Wauwatosa, Wisconsin | SCALE | 1" = 30'-0"

THE COMMONS AT MCW | SITE PLAN

ARCHITECTURE 324



N

0 8 16 32

BASEMENT FLOOR PLAN

THE COMMONS AT MCW | CAMPUS HOUSING

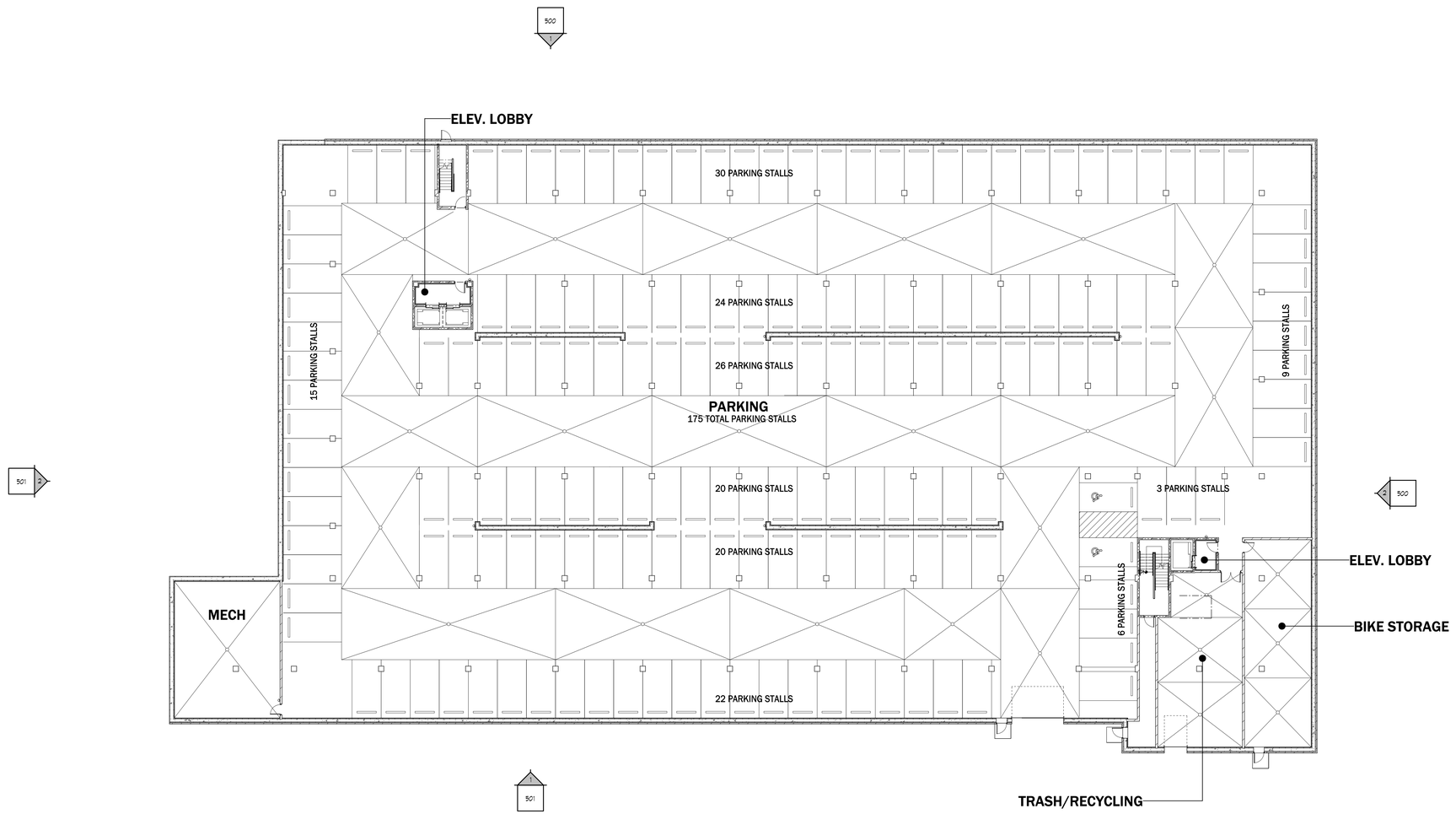
Wauwatosa, Wisconsin

PRELIMINARY DRAFT - NOT FOR CONSTRUCTION

12.9.2025

200

ARCHITECTURE



N

-2 0 16 32

THE COMMONS AT MCW | CAMPUS HOUSING

Wauwatosa, Wisconsin

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LOWER LEVEL PLAN

12.9.2025

201 ARCHITECTURE

MAIL
ENTRY LOUNGE
OFFICE
PARCEL ROOM
LOUNGE
FITNESS
FITNESS STUDIO
OUTDOOR LOUNGE
OUTDOOR FITNESS
RIVER ROCK
LOUNGE
STUDY
MECH/ELEC
TRASH
DN
DN
500
501
502
1 BED
2 BED
2 BED CORNER
STUDIO
JR 1 BED
JR 1 BED 1.1
JR 1 BED CORNER

N

0 8 16 32

THE COMMONS AT MCW | CAMPUS HOUSING

Wauwatosa, Wisconsin

PRELIMINARY DRAFT - NOT FOR CONSTRUCTION

FIRST FLOOR PLAN

12.9.2025

211 ARCHITECTURE



N

0 8 16 32

THE COMMONS AT MCW | CAMPUS HOUSING

Wauwatosa, Wisconsin

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SECOND FLOOR PLAN

12.9.2025

212 ARCHITECTURE



N

0 8 16 32

THIRD FLOOR PLAN

THE COMMONS AT MCW | CAMPUS HOUSING

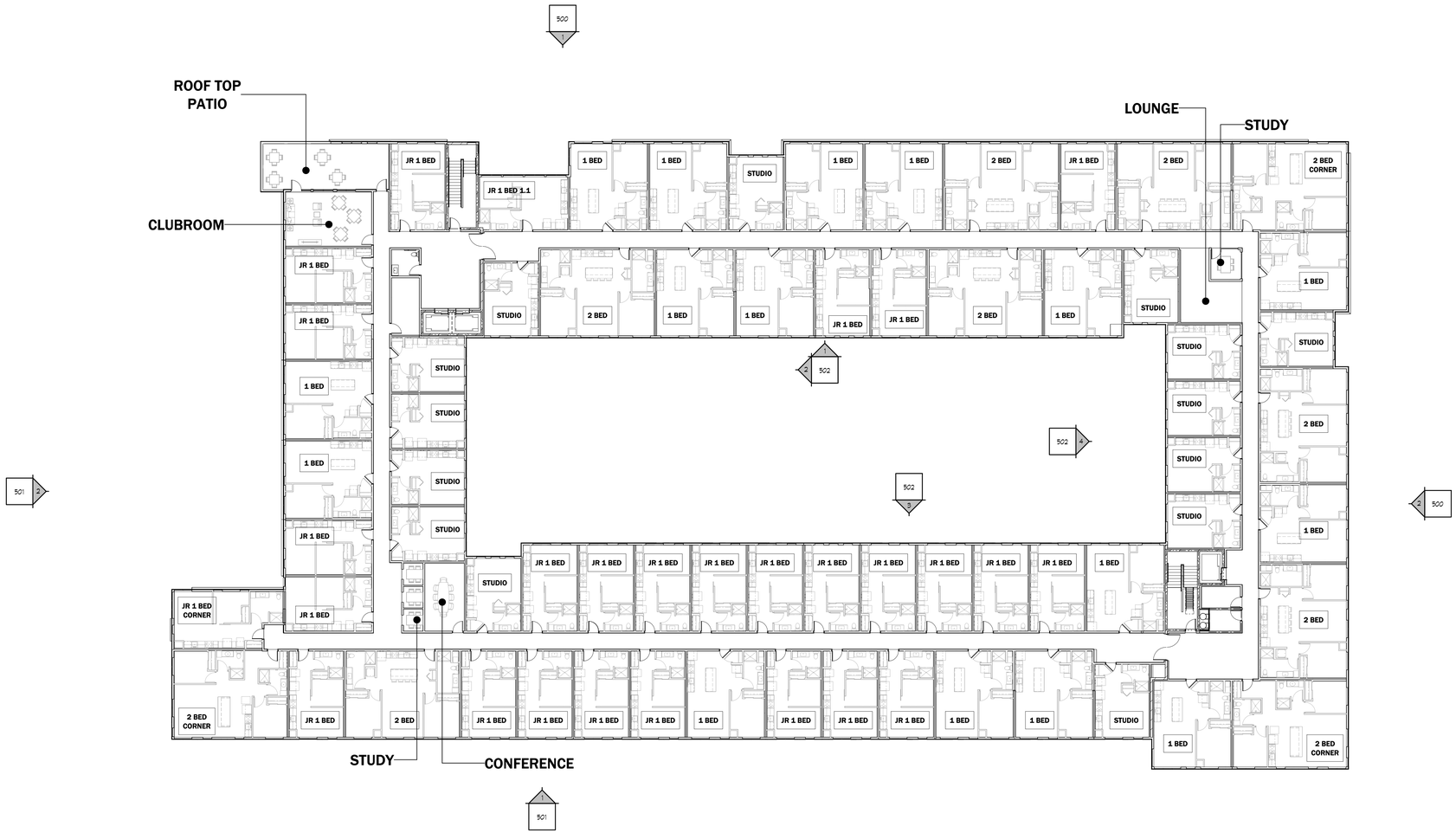
Wauwatosa, Wisconsin

PRELIMINARY DRAFT - NOT FOR CONSTRUCTION

12.9.2025

213

ARCHITECTURE



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THE COMMONS AT MCW | CAMPUS HOUSING

Wauwatosa, Wisconsin

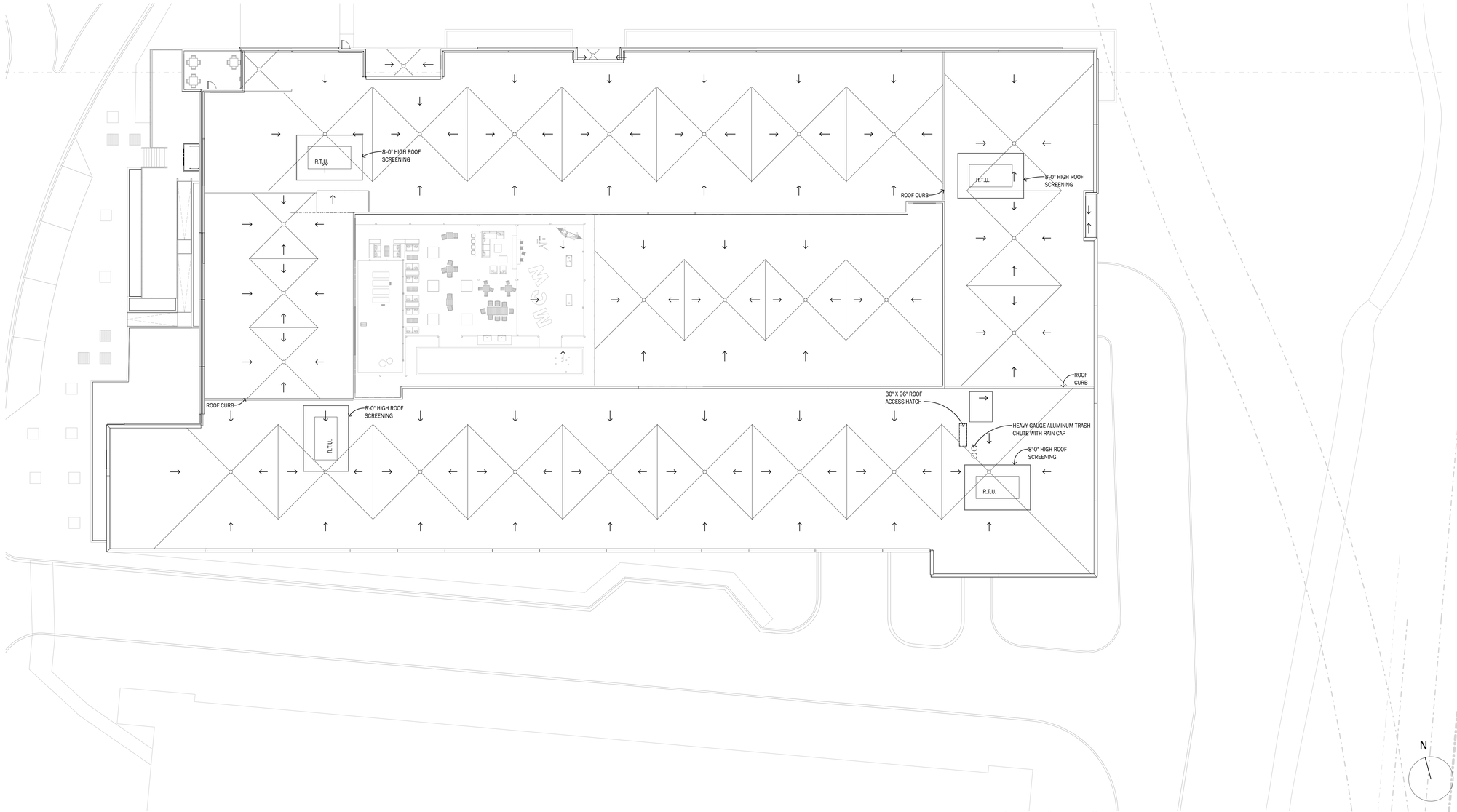
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FOURTH FLOOR PLAN

12.9.2025

214

ARCHITECTURE



THE COMMONS AT MCW | CAMPUS HOUSING

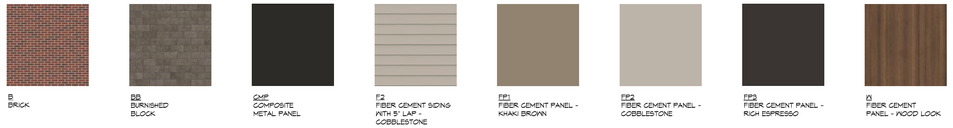
Wauwatosa, Wisconsin

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ROOF PLAN

12.9.2025

215 ARCHITECTURE



EXTERIOR ELEVATION GENERAL NOTES

1. PROVIDE CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS WHICH SPILL ONTO GRADE OR ROOFS.
2. ALL CONDUIT, METERS, VENTS, ETC. TO BE PAINTED TO MATCH ADJACENT SURFACE.
3. GUTTERS AND DOWNSPOUTS ARE PREFINISHED ALUMINUM.
4. SEE SHEET AT401 FOR WINDOW AND STOREFRONT SCHEDULES.

EXTERIOR ELEVATION KEY NOTES:

B BRICK
BB BURNISHED BLOCK
CMP COMPOSITE METAL PANEL
F2 FIBER CEMENT SIDING WITH 5" LAP - COBBLESTONE
FP1 FIBER CEMENT PANEL - KHAKI BROWN
FP2 FIBER CEMENT PANEL - COBBLESTONE
FP3 FIBER CEMENT PANEL - RICH ESPRESSO
W FIBER CEMENT PANEL - WOOD LOOK



2 500 EAST ELEVATION



1 500 NORTH ELEVATION

THE COMMONS AT MCW | CAMPUS HOUSING

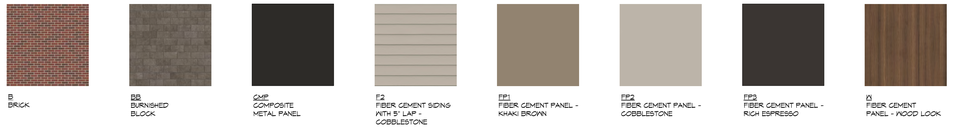
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EXTERIOR ELEVATIONS

12.9.2025

500 ARCHITECTURE



EXTERIOR ELEVATION GENERAL NOTES

1. PROVIDE CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS WHICH SPILL ONTO GRADE OR ROOFS.
2. ALL CONDUIT, METERS, VENTS, ETC. TO BE PAINTED TO MATCH ADJACENT SURFACE.
3. GUTTERS AND DOWNSPOUTS ARE PREFINISHED ALUMINUM.
4. SEE SHEET AT401 FOR WINDOW AND STOREFRONT SCHEDULES.

EXTERIOR ELEVATION KEY NOTES:

B BRICK
BB BURNISHED BLOCK
CMP COMPOSITE METAL PANEL
F2 FIBER CEMENT SIDING WITH 5" LAP - COBBLESTONE
FP1 FIBER CEMENT PANEL - KHAKI BROWN
FP2 FIBER CEMENT PANEL - COBBLESTONE
FP3 FIBER CEMENT PANEL - RICH ESPRESSO
W FIBER CEMENT PANEL - WOOD LOOK



2 501 WEST ELEVATION



1 501 SOUTH ELEVATION

THE COMMONS AT MCW | CAMPUS HOUSING

Wauwatosa, Wisconsin

PRELIMINARY DRAFT - NOT FOR CONSTRUCTION

EXTERIOR ELEVATIONS

12.9.2025

501 ARCHITECTURE



EXTERIOR ELEVATION GENERAL NOTES

1. PROVIDE CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS WHICH SPILL ONTO GRADE OR ROOFS.
2. ALL CONDUIT, METERS, VENTS, ETC. TO BE PAINTED TO MATCH ADJACENT SURFACE.
3. GUTTERS AND DOWNSPOUTS ARE PREFINISHED ALUMINUM.
4. SEE SHEET AT401 FOR WINDOW AND STOREFRONT SCHEDULES.

EXTERIOR ELEVATION KEY NOTES:

B	BRICK
BB	BURNISHED BLOCK
CMP	COMPOSITE METAL PANEL
F2	FIBER CEMENT SIDING WITH 5" LAP - COBBLESTONE
FP1	FIBER CEMENT PANEL - KHAKI BROWN
FP2	FIBER CEMENT PANEL - COBBLESTONE
FP3	FIBER CEMENT PANEL - RICH ESPRESSO
W	FIBER CEMENT PANEL - WOOD LOOK



4 / 502 COURTYARD ELEVATION - EAST



3 / 502 COURTYARD ELEVATION - SOUTH



2 / 502 COURTYARD ELEVATION - WEST



1 / 502 COURTYARD ELEVATION - NORTH

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THE COMMONS AT MCW | WEST ELEVATION

ARCHITECTURE 135

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THE COMMONS AT MCW | NORTH ELEVATION

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THE COMMONS AT MCW | ROOF DECK

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THE COMMONS AT MCW | COURTYARD PLAN

ARCHITECTURE 138

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THE COMMONS AT MCW | COURTYARD

Wauwatosa, Wisconsin | RENDERINGS ARE ARTISTS REPRESENTATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY

THE COMMONS AT MCW | COURTYARD

ARCHITECTURE 140

Wauwatosa, Wisconsin | RENDERINGS ARE ARTISTS REPRESENTATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY

THE COMMONS AT MCW | COURTYARD

ARCHITECTURE 141

Wauwatosa, Wisconsin | RENDERINGS ARE ARTISTS REPRESENTATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY

THE COMMONS AT MCW | COURTYARD

ARCHITECTURE 142



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THE COMMONS AT MCW | NORTHWEST CORNER

WINDOWS, DOORS, RAILINGS, &COPING | **BLACK**

FIBER CEMENT PANEL
SMOOTH | **COBBLESTONE**

FIBER CEMENT PANEL
SMOOTH | **RICH ESPRESSO**

FIBER CEMENT PANEL
SMOOTH | **WOOD LOOK**

FIBER CEMENT PANEL
SMOOTH | **KHAKI BROWN**

COMPOSITE METAL PANEL
SMOOTH | **BLACK**

FIBER CEMENT LAP SIDING
SMOOTH | **COBBLESTONE**

BRICK
UTILITY | **VALLEY BLEND**

BLOCK
BURNISHED BLOCK



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THE COMMONS AT MCW | MATERIAL BOARD

ARCHITECTURE 3.44

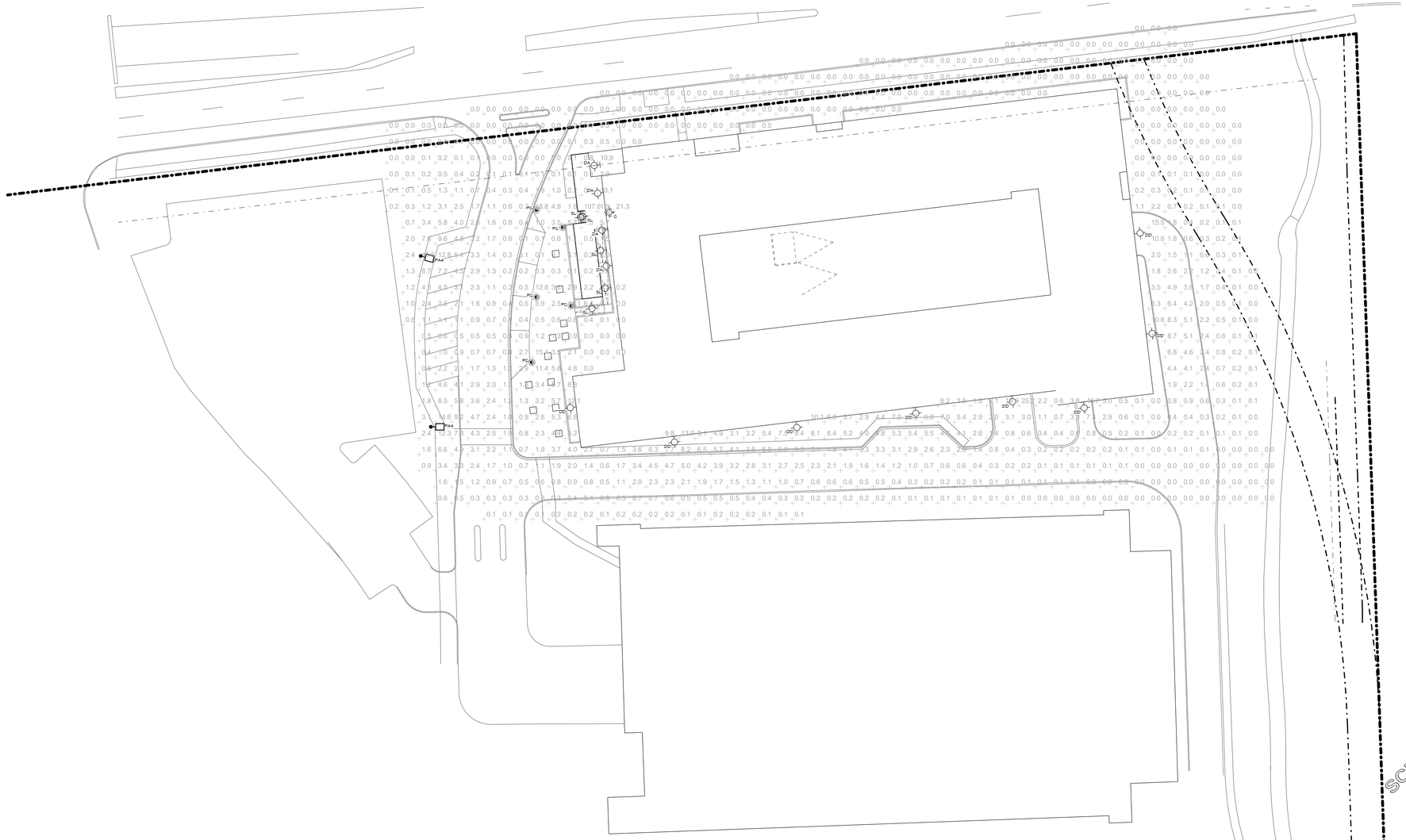
THE COMMONS AT MCW
GRADUATE HOUSING
WAUWATOSA, WISCONSIN

LIGHTING SYMBOLS

- RECESSED DOWNLIGHT
- POLE MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- BOLLARD

LIGHT FIXTURE SCHEDULE

TYPE MARK	WATTAGE	LUMENS	CATALOG NUMBER	DESCRIPTION	MOUNTING
C	20	2000	HC6200X10-HM60525940-61WDH	6" RECESSED DOWNLIGHT	CEILING
DA	16	1490	7075-12-TW-H08-40K	12"W x 5"H x 2.5"E BRICK-OD SCONCE	WALL @ 7' AFF
DD	51	5400	W34-S5L	14"W x 9"H x 4"E WALL PAK	WALL @ 7' AFF
PC	28	2232	DSXB LED 16C 530 40K SYM	8" DIA x 42"H SYMMETRIC BOLLARD	12" CONCRETE BASE
PA4	111	15862	RSX2 LED P2 40K R3	AREA LUMINAIRE - TYPE 4 WALL MOUNTED	WALL @ 15' AFF
PW3	111	15657	RSX2 LED P2 40K R4	AREA LUMINAIRE - TYPE 3 15' POLE ON 24" CONTRETE BASE	24" CONCRETE BASE
SL	5	196	SLED5	5"H x 5"W x 3"E STEP LIGHT	WALL @ 1' AFF



1" = 30' SITE PHOTOMETRIC PLAN

EG220

145

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REVISIONS

NO.	DATE	DESCRIPTION

SCHEMATIC DESIGN
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DATE
12.9.2025

PROJECT
251101

SHEET NO.

SHEET PRINTED ON:
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Activate Civic://25101 Medical College of Wisconsin/25101 Med Collage Housing RFP Site Design_R25.rvt

Project		Catalog #		Type	C
Prepared by		Notes		Date	



HALO Commercial

HC6 | HM6 | 61 | 61PS

6-inch LED downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

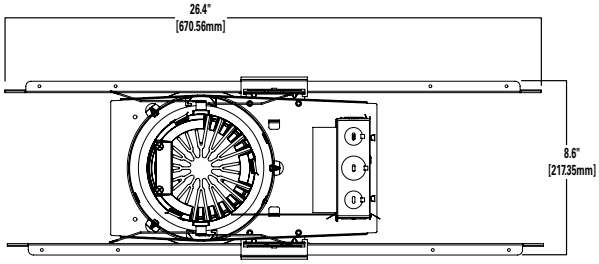
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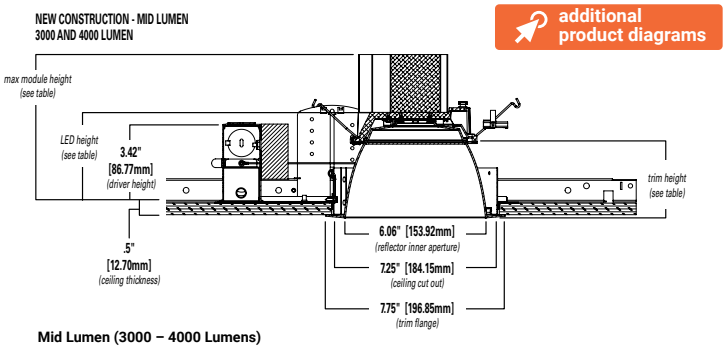
- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Energy & Performance Data page 8
- Connected Systems page 10
- Product Warranty

Top Product Features

- New construction/remodel series; 500 to 6,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K, 4000K, 5000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Mounting frame converts to remodel that installs from below the ceiling
- Quick Spec emergency backup mounting frames - fast delivery option

Dimensional and Mounting Details





additional product diagrams

Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

Mounting Frame Order Information

Sample Number: HC620D010REM7 – HM60525835 - 61MDC

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
HC6 = 6" new construction downlight housing **HC6CP** = 6" new construction housing, Chicago Plenum - CCEA compliant	**05** = 500 lm **07** = 750 lm **10** = 1000 lm **15** = 1500 lm **20** = 2000 lm **25** = 2500 lm **30** = 3000 lm **35** = 3500 lm **40** = 4000 lm **45** = 4500 lm (7) **50** = 5000 lm (7) **55** = 5500 lm (7) **60** = 6000 lm (7)	**D010**=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls **Canada Option 500-4000 lumens:** **D010347** = 347VAC 50/60Hz 0-10V 1%-100% dimming. For 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000lm models only (1) **Canada Option 4500-6000 lumens:** **D010X347** = step down transformer factory installed (with standard "D010" 120V-277V LED driver). For 4500, 5000, 5500, 6000lm models only (1)	**REM7** = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **REM14** = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **IEM7** = 7 watt emergency battery pack with integral test / indicator light, use with D010 only (1) (2) (6) **IEM14** = 14 watt emergency battery pack with integral test / indicator light, use with D010 only (1) (2) (6) **BOD7ST** = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **WTA** = Factory WaveLinx PRO Tilemount Sensor Kit (4) **WTK** = Factory WaveLinx LITE Tilemount Sensor Kit (5) **WPN** = WaveLinx PRO Wireless Node without Sensor (9) **WLN** = WaveLinx LITE Wireless Node without Sensor (10)	**HB128APK** = L channel hanger bar, 26", pair (replacement) **RMB22** = Adjustable wood joist mounting bars, pair, extend to 22" long **HSA6** = Slope Adapter for 6" Aperture Housings, Specify Slope (refer to instructions for installing housing and trim) **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **WTA** = Field WaveLinx PRO Tilemount Sensor Kit (4) **WTK** = Field WaveLinx LITE Tilemount Sensor Kit (5)
		DLV = Distributed Low Voltage dimming driver 1%-100%, 1000-4000 lumens only. For use with DLVP system only, refer to DLVP specifications for details. (1)	**REMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **REMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV7** = 7 watt emergency battery pack with integral test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV14** = 14 watt emergency battery pack with integral test / indicator light, use with DLV only (1) (2) (3) (6)	
Notes	**Notes** (7) Marked Spacing: Center to Center of Adjacent Luminaires = 36" Center of Luminaire to Building Member = 18" Minimum overhead = 0.5	**Notes** (1) Not available with CP models	**Notes** (1) Not available with CP models (2) Not available with D010347 (347V models) (3) ULus for U.S. only (4) WTA = WaveLinx PRO tilemount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only. (Refer to WaveLinx PRO specifications.) (5) WTK = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinx LITE specifications.) (6) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C (9) WPN = WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. Not compatible with 347V or Chicago plenum. (Refer to WaveLinx PRO specifications.) (10) WLN = WaveLinx LITE wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. Not compatible with 347V or Chicago plenum. (Refer to WaveLinx LITE specifications.)	**Notes** (4) WTA = WaveLinx PRO tilemount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only. (Refer to WaveLinx PRO specifications.) (5) WTK = WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinx LITE specifications.)

LED Module Order Information

LED Module	Lumens	CRI/CCT	
HM6 = 6" LED Modules For use with HC6 - HC6CP New Construction housings only	**0525** = 500 - 2500 lumen **3040** = 3000-4000 lumen **4560** = 4500-6000 lumen	**827** = 80CRI, 2700K **830** = 80CRI, 3000K **835** = 80CRI, 3500K **840** = 80CRI, 4000K **850** = 80CRI, 5000K	**927** = 90CRI, 2700K **930** = 90CRI, 3000K **935** = 90CRI, 3500K **940** = 90CRI, 4000K **950** = 90CRI, 5000K
Notes	**Notes**	**Notes**	

Trim Order Information

Reflector	Distribution[8]	Finish	Flange	Accessories
61 = 6" conical reflector	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC **RWW** = rotatable wall wash with linear spread lens	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors **BF** = Black Flange option available with C, H & W reflectors	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Baffle	Distribution[8]	Finish	Flange	Accessories
61 = 6" baffle reflector	**WD** = wide 65° beam angle 1.28 SC (nominal) **RWW** = rotatable wall wash with linear spread lens	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB reflectors **BF** = Black flange option available with BB reflectors	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Reflector	Distribution[8]	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector[9]	**MD** = medium 60° beam angle 1.10 SC (nominal)	**W** = White	**Blank** = White flange standard with W reflector **BF** = Black Flange option available with W reflectors
Notes (9) 61PS is 1000-2000 lumens Non-IC rated. 500 & 750 lumens IC rated. 61PS is not for use over 2000lm in Non-IC or over 750lm in IC.	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**

IEM Reflector	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors **BF** = Black flange option available with C, H, & W reflectors	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Baffle	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	**WD** = wide 65° beam angle 1.28 SC (nominal)	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WBreflectors **BF** = Black flange option with BB reflectors	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Product Specifications

Housing Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip
- Accommodates 1/2" to 1-1/2" thick ceilings
- Installs in new construction or from below the finished ceiling (non-accessible) for remodeling (with mounting bars removed)
- Provided with two remodel clips to secure the frame to the ceiling

Universal Mounting Bracket
- Adjusts 2" vertically from above and below the ceiling
- Use with the included mounting bars or with 1/2" Electric Metallic Tube (EMT)
- Removable to facilitate remodeling installation from below the finished ceiling

Mounting Bars
- Captive pre-installed No Fuss™ mounting bars lock to T-grid with screwdriver or pliers
- Centering detents allow for consistent positioning of fixtures

LED Module
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 color rendering index (CRI)
- Color accuracy within 3 SDCM provides color consistency and uniformity
- 90 CRI option: R9>50 (refer to chromaticity information for details)
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Lumen options include 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumens (nominal)
- Passive thermal management achieves 60,000 hours at 70% lumen maintenance (L70) in insulated ceilings (IC) and non-IC applications
- Integral connector allows quick connection to housing flex

Reflector
- Self-flanged aluminum reflectors available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (500 & 750 lumen max. in IC and 2000 lumen max. in Non-IC)
- Integral diffuse lens provides visual shielding
- Wall wash reflector features a rotatable linear spread lens for alignment of vertical illumination
- Reflectors attach to LED module with three speed clamps
- Available in multiple painted or plated finishes

Reflector/Module Retention
- Reflector/module assembly is securely retained in the housing with two torsion springs

Driver
- Field-replaceable constant current driver provides low noise operation
- Universal 120-277VAC 50/60Hz input standard
- Continuous, 1% to 100% dimming with 0-10V analog control
- Optional low-voltage DC driver for use with Distributed Low Voltage Power (DLVP) system
- Distributed Low Voltage Power (DLVP) system combines power, lighting and controls with ease of installation (refer to DLVP Design Guide at www.cooperlighting.com for details)

Canada Options
- 347VAC 50/60Hz; 1% dimming on 0 -10V analog control, for 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000 lumen models only
- 347V step down transformer factory installed with the standard "D010" 120V-277V, LED driver on 4500, 5000, 5500, 6000 lumen models only

Emergency Option
- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch
- Quick Spec emergency ordering option for quick-turn projects

Connected Lighting System
Two WaveLinx connected solutions to choose from. Refer to WaveLinx system specifications and application guides for details.

WaveLinx PRO Tilemount Sensor Kit
- WaveLinx PRO WTA tilemount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

WaveLinx PRO Wireless Node
- WaveLinx PRO WPN wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. **Note:** Not compatible with 347V or Chicago plenum.

WaveLinx LITE Tilemount Sensor Kit
- WaveLinx LITE WTK tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinx LITE Wireless Node
- WaveLinx LITE WLN wireless node provides luminaire level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. **Note:** Not compatible with 347V or Chicago plenum.

WaveLinx Tilemount Sensor Kits Application
- The WTA and WTK tilemount sensor kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount sensor kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.
- **Note: WaveLinx PRO devices are only compatible with the WaveLinx PRO system.**
- **Note: WaveLinx LITE devices are only compatible with the WaveLinx LITE system.**

Junction Box
- Galvanized steel junction box
- 20 in^3 internal volume excluding voltage barrier
- 25 in^3 internal total volume
- Voltage barrier for 0-10V dimming wires (occupies one 1/2" pry-out space)
- Listed for eight #12 AWG (four in, four out) 90˚C conductors and feed-thru branch wiring
- Three 1/2" and two 3/4" trade size pry-outs available
- Three 4-port push wire nuts for mains voltage with 1-port for fixture connection

Compliance
- cULus Certified to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- Emergency options provided with UL Listed emergency drivers to UL 924 / C22.2 No. 141, suitable for indoor/damp locations
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-Insulated ceiling (Non-IC) rated for 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumen models (insulation must be kept 3" from top and sides)
- Insulated ceiling (IC) rated for 500, 750, 1000, 1500, 2000 lumen models and suitable for direct contact with air permeable insulation* (IC models are also suitable for Non-IC installations)
- Non-IC marked spacing required for 4500, 5000, 5500, 6000 lumen models
  - Marked Spacing Center to Center of Adjacent Luminaires = 36"
  - Center of Luminaire to Building Member = 18"
  - Minimum overhead = 0.5"
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing completed in accordance of IES LM-79-08
- Lumen maintenance projection in accordance of IES LM-80-08 and TM-21-11
- 500, 750, 1,000, 1,500 and 2,000 lumen, 90 CRI, ICAT models may be used to comply with State of California Title 24 residential code, per JA8 certification standards
- May be used to comply with State of California Title 24 non-residential code as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database

*Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013

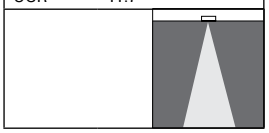
Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Photometric Data

View IES files

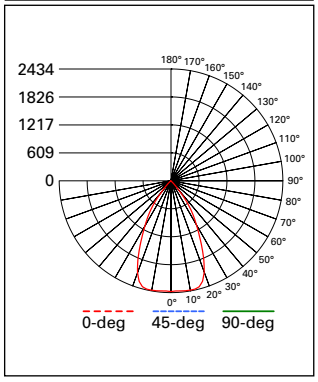
NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

NARROW (55° BEAM*)	
Test Number	P581878
Housing	HC620D010
Module	HM60525835
Reflector	61NDC
Lumens	2228 Lm
Efficacy	111.4 Lm/W
SC	0.93
UGR	11.7

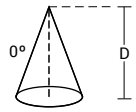


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	80.2	5	5
7'	49.5	6.4	6.4
8'	37.9	7.4	7.4
9'	30	8.2	8.2
10'	24.3	9.2	9.2
12'	16.9	11	11

CANDELA TABLE

Degrees Vertical	Candela
0	2427
5	2422
15	2405
25	1621
35	761
45	118
55	12
65	3
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1636	73.4
0-40	2098	94.2
0-60	2223	99.8
0-90	2228	100
90-180	0	0
0-180	2228	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	9187
55	1118
65	376
75	318
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

To estimate lumen output in emergency mode, multiply nominal battery wattage by LPW. Example: 6W x 115 LPW = 690 Lumens.

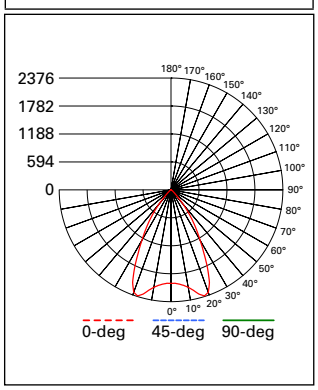
MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

MEDIUM (60° BEAM*)	
Test Number	P581875
Housing	HC620D010
Module	HM60525835
Reflector	61MDC
Lumens	2307 Lm
Efficacy	115.3 Lm/W
SC	1.06
UGR	11.8

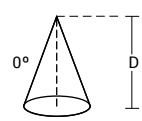


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	68.7	5.6	5.6
7'	42.4	7.2	7.2
8'	32.5	8.2	8.2
9'	25.7	9.4	9.4
10'	20.8	10.4	10.4
12'	14.4	12.4	12.4

CANDELA TABLE

Degrees Vertical	Candela
0	1998
5	2022
15	2307
25	1842
35	796
45	126
55	15
65	4
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1671	72.4
0-40	2163	93.8
0-60	2301	99.7
0-90	2307	100
90-180	0	0
0-180	2307	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	9753
55	1395
65	571
75	318
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

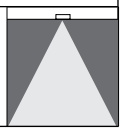
To estimate lumen output in emergency mode, multiply nominal battery wattage by LPW. Example: 6W x 115 LPW = 690 Lumens.

Photometric Data

View IES files

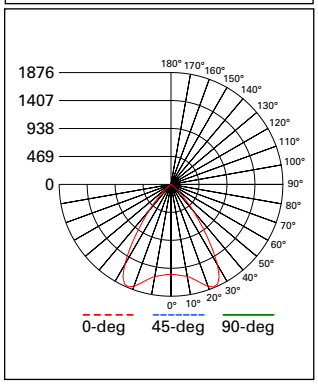
WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE (65° BEAM*)	
Test Number	P581885
Housing	HC620D010
Module	HM60525835
Reflector	61WDC
Lumens	2359 Lm
Efficacy	118 Lm/W
SC	1.28
UGR	11.6

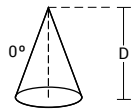


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	50.5	7	7
7'	31.2	8.8	8.8
8'	23.9	10.2	10.2
9'	18.8	11.4	11.4
10'	15.3	12.8	12.8
12'	10.6	15.4	15.4

CANDELA TABLE

Degrees Vertical	Candela
0	1526
5	1540
15	1685
25	1861
35	1027
45	252
55	32
65	6
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1461	61.9
0-40	2105	89.2
0-60	2351	99.6
0-90	2359	100
90-180	0	0
0-180	2359	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	19506
55	3078
65	765
75	318
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

To estimate lumen output in emergency mode, multiply nominal battery wattage by LPW. Example: 6W x 115 LPW = 690 Lumens.

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

Multipliers for relative lumen values with other series color temperatures.

Photometric Data

View IES files

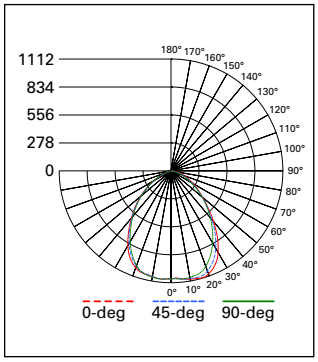
WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P581882
Housing	HC620D010
Module	HM60525835
Reflector	61RWWC
Lumens	2179 Lm
Efficacy	109 Lm/W
SC	1.15



CANDLEPOWER DISTRIBUTION

Downlight



CANDELA TABLE	
Degrees Vertical	Candela
0	1080
5	1081
15	1112
25	1034
35	800
45	514
55	319
65	184
75	85
85	12
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	849	39
0-40	1313	60.2
0-60	1978	90.8
0-90	2179	100
90-180	0	0
0-180	2179	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	39810
55	30479
65	23907
75	17983
85	7359

SC = Spacing Criteria, nominal for specular clear reflector, other may vary.

To estimate lumen output in emergency mode, multiply nominal battery wattage by LPW. Example: 6W x 115 LPW = 690 Lumens.

SINGLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall)						
1	19.3	13.8	6.1	2.2	0.7	0.3	0.1
2	29.1	22.6	12.3	5.7	2.5	1.2	0.6
3	27.6	22.5	13.8	7.3	3.7	1.9	1
4	21	18.2	12.4	7.4	4.2	2.4	1.4
5	14.4	13.1	9.9	6.6	4.1	2.5	1.6
6	9.7	9.1	7.5	5.5	3.7	2.5	1.6
7	6.7	6.4	5.5	4.3	3.2	2.2	1.5
8	4.7	4.6	4.1	3.4	2.7	2	1.4
9	3.4	3.3	3.1	2.7	2.2	1.7	1.3
10	2.5	2.5	2.4	2.1	1.8	1.4	1.1

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (Distance from fixture along 3")			2.5' from wall (Distance from fixture along 4")		
1	21.5	19.1	21.5	20	12.1	20
2	34.7	34.4	34.7	31.6	24.6	31.6
3	34.9	36	34.9	31.3	27.6	31.3
4	28.4	30.7	28.4	25.2	24.8	25.2
5	21	23.2	21	18.6	19.8	18.6
6	15.2	16.8	15.2	13.4	15	13.4
7	11	12	11	9.9	11	9.9
8	8.1	8.7	8.1	7.4	8.2	7.4
9	6.1	6.5	6.1	5.6	6.2	5.6
10	4.6	4.9	4.6	4.3	4.7	4.3

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

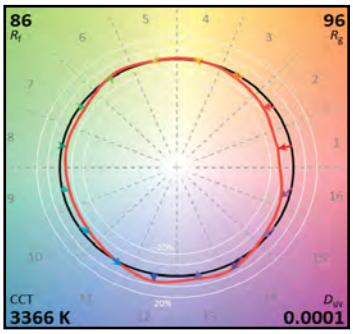
Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

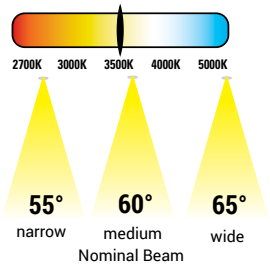
Energy & Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

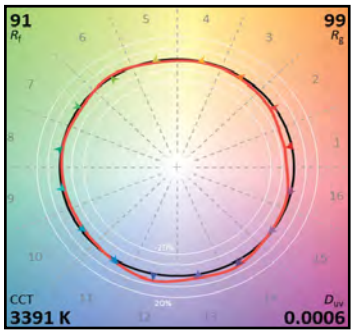
80 CRI Color Metric Summary - 3500K*



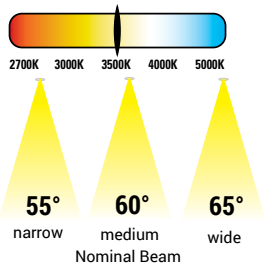
TM-30-15	Rf = 86
	Rg = 95.5
CRI/CIE	Ra = 83.8
	R9 = 10.3



90 CRI Color Metric Summary - 3500K*



TM-30-15	Rf = 91.1
	Rg = 99
CRI/CIE	Ra = 92.4
	R9 = 55.1



* Color values are based on 61WDWB reflector, other finishes and field results may vary.

ENERGY DATA

Series	500 lumen		750 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.051	0.026	0.067	0.036	0.083	0.039	0.119	0.053	0.171	0.077
Input Power (W)	6.1	6.5	7.9	8.3	10	10.4	14.5	14.5	20.9	20.6
In-rush (A)	1.9	8.4	2	8.4	2.2	8.5	2.7	8.5	2.1	9.7
Inrush duration (µs)	251	135	237	133	250	134	250	139	245	131
THD (%)	6.2	13.5	7.4	8.8	5.4	10.3	10	6.7	6.5	7.9
PF	≥ 0.99	≥ 0.9	≥ 0.98	≥ 0.92	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.23	0.103	0.24	0.107	0.292	0.152	0.351	0.159	0.384	0.172
Input Power (W)	27.5	27.5	28.6	28.5	34.6	35.1	42.1	42.1	45.9	45.6
In-rush (A)	2.5	5.6	2.5	11.6	3.4	13.9	3.1	14.7	3.1	14.8
Inrush duration (µs)	232	123	216	111	183	95	200	98	202	100
THD (%)	6.5	8.1	7.8	8.3	5.6	10	4.1	9.5	4.5	8.5
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

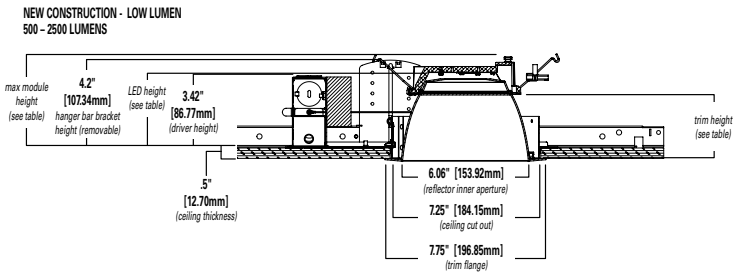
Series	5000 lumen		5500 lumen		6000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V
Input Current (A)	0.419	0.186	0.457	0.201	0.489	0.214
Input Power (W)	50.1	49.5	54.6	53.7	58.4	57.4
In-rush (A)	3.1	15	3.2	14.8	3.4	14.8
Inrush duration (µs)	202	117	196	131	192	121
THD (%)	5.5	7.6	7	7.2	8.1	7.2
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.97

Minimum starting temperature -30°C (-22°F)* (Nominal input 120-277VAC & 100% of rated output power)
Sound Rating: Class A standards

Notes:
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

Dimensional and Mounting Details

NEW CONSTRUCTIONS - LOW LUMEN 500 – 2500 LUMENS



Low Lumen (500 – 2500 Lumens)*

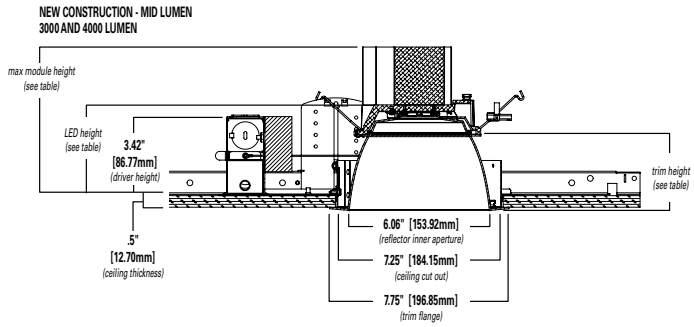
Distribution	Max. Module Height	Trim Height	LED Height
Narrow	4.5"	3.4"	3.8"
Medium	4.6"	3.5"	3.9"
Wide	4.4"	3.3"	3.7"
Baffle	4.4"	3.3"	3.7"

*Max. height w/removable hanger bar bracket 4.2"



Low Lumen Module

NEW CONSTRUCTIONS - MID LUMEN 3000 – 4000 LUMENS



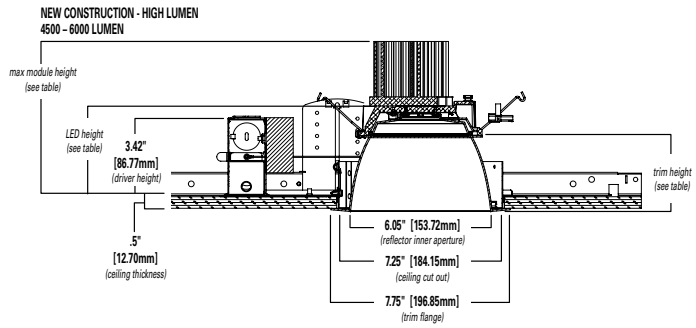
Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"



Mid Lumen Module

NEW CONSTRUCTIONS - HIGH LUMEN 4500 – 6000 LUMENS



High Lumen (4500 – 6000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.9"	3.4"	3.8"
Medium	7.0"	3.5"	3.9"
Wide	6.8"	3.3"	3.7"
Baffle	6.8"	3.3"	3.7"



High Lumen Module

Connected Solutions



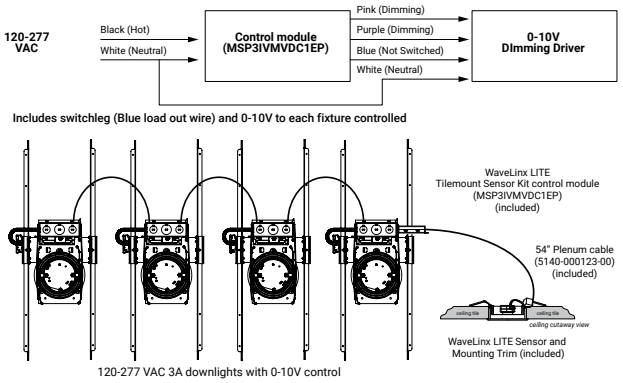
WaveLinx LITE - WTK Tilemount Sensor

WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes

WaveLinx LITE WTK Tilemount Wiring Diagram



WaveLinx LITE Bluetooth Enabled System





WaveLinx PRO – WTA Tilemount Sensor

WaveLinx PRO devices only compatible with the WaveLinx PRO system.

- WaveLinx PRO tilemount functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations



Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

WaveLinx Area Controller
Provides centralized coordination of multiple area control options

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

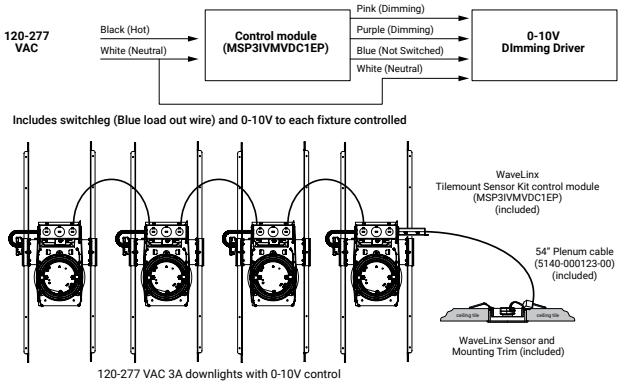
Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

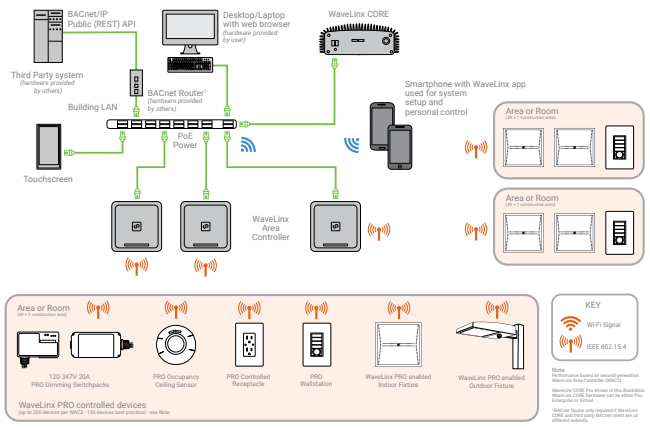
Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control

Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response

WaveLinx WTA Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



Connected Solutions



WaveLinx LITE Wireless Node - WLN

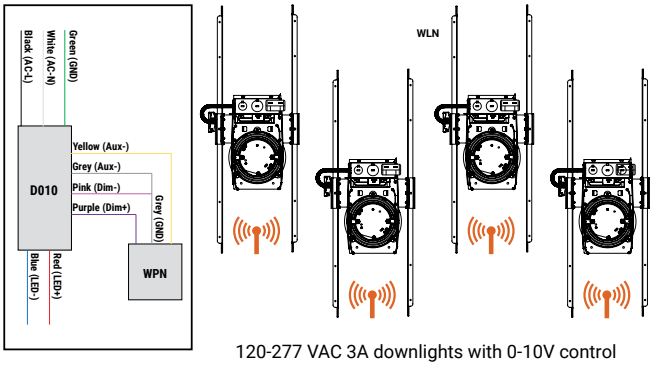
WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Refer to the WaveLinx system specifications for details

WaveLinx mobile app settings

Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes

WaveLinx LITE Wireless Node (WLN) Wiring Diagram



120-277 VAC 3A downlights with 0-10V control

WaveLinx LITE Bluetooth Enabled System





WaveLinx PRO Wireless Node - WPN

WaveLinx PRO devices only compatible with the WaveLinx PRO system.

- WaveLinx Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinx Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations



Downlights with wireless communication
Highly efficient LED fixtures



WaveLinx Area Controller
Provides centralized coordination of multiple area control options



Wireless Wall Station/Receptacle
Provides customized wireless control of each area

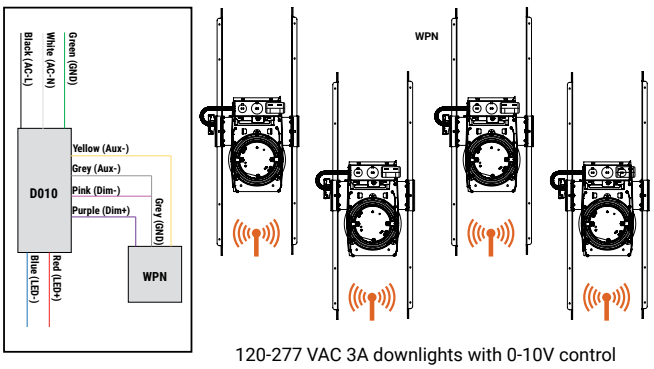


Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

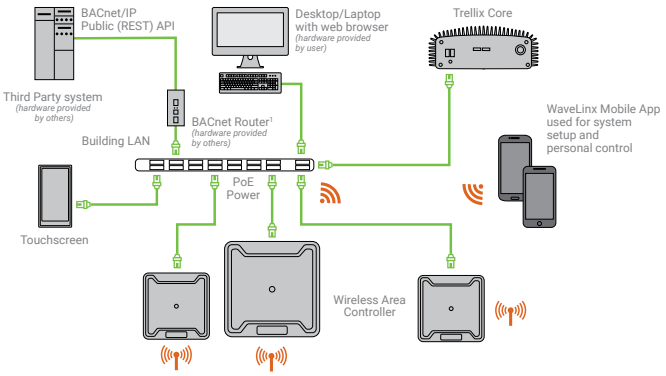
Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control | Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response

WaveLinx PRO Wireless Node (WPN) Wiring Diagram



120-277 VAC 3A downlights with 0-10V control

WaveLinx CORE Building Management Integration



Cooper Lighting Solutions
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Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

BRICK-OD

FOR EXTENDED CONDUIT-ENTRY VERSION, REFER TO MODEL #: 7077

BROWNLEE



24” Size in Textured Black



12” Size - TB

7075 LED

The BRICK-OD (outdoor) is a minimal, clean, and contemporary exterior sconce offered in three ADA compliant sizes (8”, 12” and 24”) and multiple finishes. Perfect for exterior facades, entryways, columns, and breezeways. Since this is a wet-listed unit, it can also be used in healthcare applications requiring durable luminaires which can be wiped down. Available with integral battery backup in all sizes, as well as cold weather battery in the 24” size.

For more features, such as conduit-entry and additional cold weather battery size options, refer to BRICK-OD EXT - Model #: 7077. Indoor version - Model #: 1575.

FINISHES

TB TZ TG TW

BRICK-OD

FOR EXTENDED CONDUIT-ENTRY VERSION, REFER TO MODEL #: 7077

STANDARD SPECIFICATIONS - *STANDARD HOUSING (7075)*

PROJECT:	
MODEL #:	
FIXTURE TYPE:	DA



OUTER FRAME & MOUNT PLATE
Formed and welded aluminum. Countersunk fasteners located on top of fixture. No exposed hardware on sides or bottom of fixture. Closed cell foam gasket on rear mount plate.

DIFFUSER
UV stabilized frosted acrylic diffuser with optical properties which throw light forward.

LED PERFORMANCE - 3500K STANDARD - TYPE 2 DISTRIBUTION
120-277V - 3500K, L80 rating - 60,000 hrs - L70 rating (projected) - 100,000 hrs
Amperage rated @ 110V input
Operating ambient temperature: -20°C / -4°F - 50°C / 122°F

Delivered 3500K lumens noted. Consult Brownlee.com for performance of all CCTs.
08 Size: C13 – 13W nominal, .10 A input - 1165 lm. Dimmable (0-10V). 90+ CRI Standard.
12 Size: H08 – 8W nominal, .07 A input - 860 lm. Dimmable (0-10V). 90+ CRI Standard.
12 Size: H16 – 16W nominal, .14 A input – 1490 lm. Dimmable (0-10V). 90+ CRI Standard.
12 Size: H21 – 21W nominal, .18 A input – 1725 lm. Dimmable (0-10V). 90+ CRI Standard.
24 Size: H16 – 16W nominal, .14 A input – 1470 lm. Dimmable (0-10V). 90+ CRI Standard.
24 Size: H32 – 32W nominal, .27 A input – 3030 lm. Dimmable (0-10V). 90+ CRI Standard.
24 Size: H41 – 41W nominal, .35 A input – 3410 lm. Dimmable (0-10V). 90+ CRI Standard.

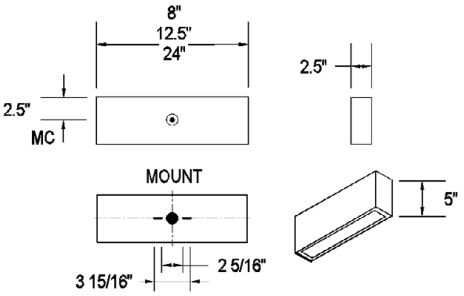
MOUNTING
Fixture mounts to a 4x4 junction box (by others). Must be positioned in downward orientation (light source facing down) if mounting outdoors.
For conduit-entry, refer to Model #: 7077.

FINISH
Durable corrosion resistant powder coat finish.
Custom colors available, contact factory.

WARRANTY
5 year limited warranty on this LED product.
Consult factory for details.



Integral Battery Backup
Refer to options section



c SA us WET · ADA · SUPPORTS T24 COMPLIANCE · RoHS COMPLIANT ELECTRONICS · DARKSKY APPROVED · BAA + BABAA OPTIONS

ORDERING INFORMATION

7075	-	_____	-	_____	-	_____	-	_____	-	_____
Model		2.		3.		4.		5.		6.

2. SIZE

08	L: 08"
12	L: 12"
24	L: 24"

3. FINISH

TB	Textured Black
TZ	Textured Bronze
TG	Textured Grey
TW	Textured White

CUSTOM
Additional finishes available as a modified option. Refer to Brownlee's Finishes webpage for inspiration.

4. WATTAGE

08 SIZE	
C13	13W C Series LED
12 SIZE	
H08	08W H Series LED
H16	16W H Series LED
H21	21W H Series LED
24 SIZE	
H16	16W H Series LED
H32	32W H Series LED
H41	41W H Series LED

5. COLOR TEMPERATURE

35K	3500K color temperature
27K	2700K color temperature (C Series Only)
30K	3000K color temperature
40K	4000K color temperature

*DarkSky approved when ordered with 3000K or warmer CCT.

6. AVAILABLE OPTIONS

2CT	Two Circuits, Two LEDs, Two Drivers - for redundancy requirements (H16, H21, H32, H41 wattages only). Does not include two batteries when combined with BBI/BBC.
BAB[1]	Build America, Buy America Compliant (BABAA) (Exclusions: BBI, BBC - contact factory)
BAC[1]	Buy American Compliant (BAA)
BBI[2]	Integral Battery Backup - 10W (32F minimum)
BBC[2]	Integral Battery Backup, Cold Weather - 15W (-4F minimum) (24 Size Only) (See Model #: 7077 for additional sizes)
	Battery must be connected to continuous power supply within 7 Mo. of shipping. See Warranty Note 3.
DTR[4]	Triac (Line Voltage) Dimming (120V) (Cannot be combined with BBI/BBC)
FCL[7]	French Canadian Label
PO1	Photo Control (120V)
PO2	Photo Control (208, 240, 277V)
T24[9]	Title 24 JA8 Compliant (H16 & H32 only)

Universal Footnotes (only applies if superscript is shown in Options section): (0) 90R - All LEDs/CCTs are being transitioned to 90 CRI standard over 2025. Inquire for this model's availability. **1) BAC/BAB** - www.brownlee.com/resources/usa. **(2) BBI/BBC** - cannot combine with ECW or EXT. **(3) BLD** - integral microwave motion sensor (step-dim). Cannot combine with DTR. **(4) DTR** - cannot combine with BLD. **(5) ECW** - cannot combine with BBI, BBC, or DTR. **(7) FCL** - cannot combine with BAC. **(8) OCC** - integral microwave motion sensor (ON/OFF). **(9) T24** - includes JA8 labeling and 90 CRI LEDs. **(10) PCH/PC4** - cannot combine with BLD or OCC.
Add'l Notes: *BBI/BBC - BBI minimum operating temp: 10C/50F unless otherwise stated. BBC minimum operating temp: -20C/-4F.
****BLD** - integral microwave motion sensor with step-dim control. 1: Motion is detected, illuminate to 100%.
2: Motion no longer detected, dim to set level. 3: Remain in continuous dimmed state or turn off after set period. Config. via onboard dip switches.

Specifications subject to change without notice.

BROWNLEE LIGHTING
www.brownlee.com

BRICK-OD

FOR EXTENDED CONDUIT-ENTRY VERSION, REFER TO MODEL #: 7077

PHOTOMETRIC DATA - For theoretical reference only. Data subject to change without notice.

PROJECT:
MODEL #:
FIXTURE TYPE:

ISOFOOTCANDLE PLOT LEGEND

10 fc 5 fc 2 fc .5 fc .25 fc

Mounting Height: 10'

Calculation Grid: 10' x 10'

POLAR GRAPH LEGEND

1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)

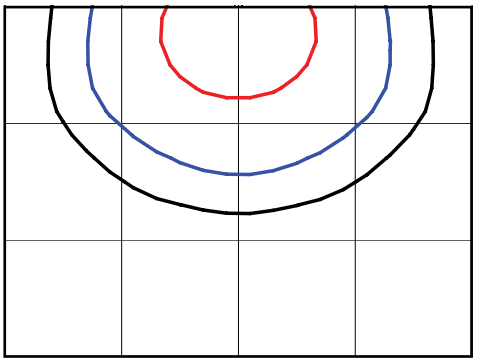
PHOTOMETRIC DATA

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT FACTORY FOR SUPPORTING PLOTS OR REFER TO IES FILES ONLINE.

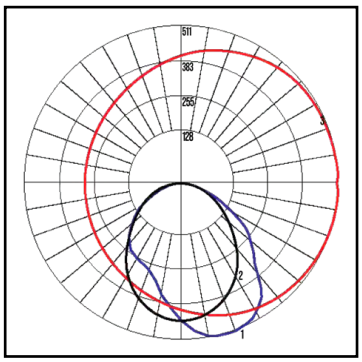
Model: 7075-08-C13-35K / QTY: 1

Description: 08" Size, 13W, 1160 lm

ISOFOOTCANDLE PLOT



POLAR GRAPH



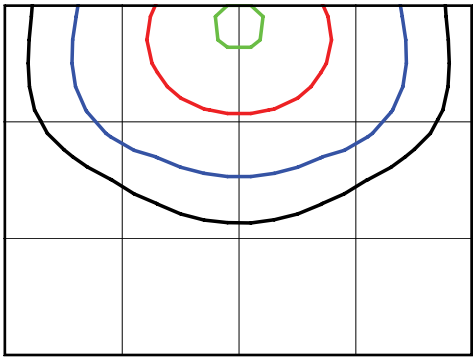
BUG RATING
B1-U0-G0

DISTRIBUTION
TYPE 2

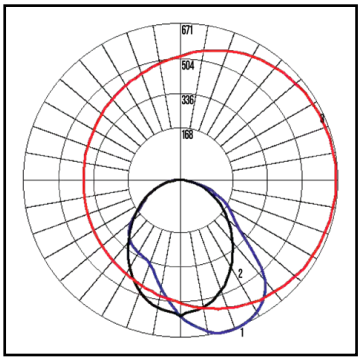
Model: 7075-12-H16-35K / QTY: 1

Description: 12" Size, 16W, 1490 lm

ISOFOOTCANDLE PLOT



POLAR GRAPH



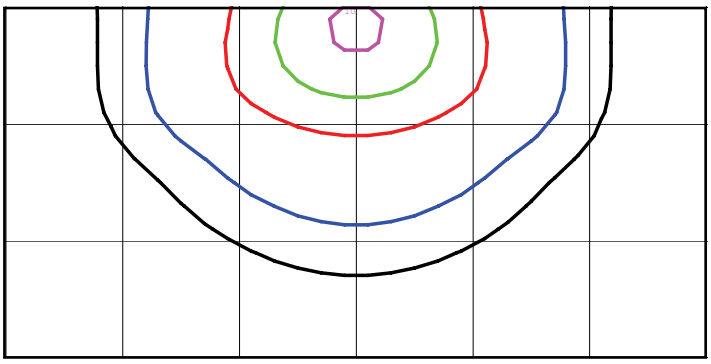
BUG RATING
B1-U0-G1

DISTRIBUTION
TYPE 2

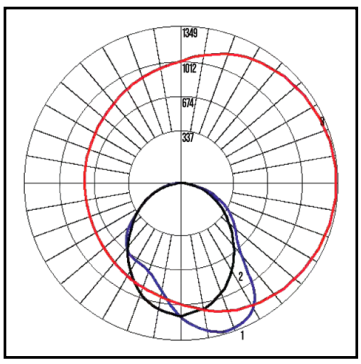
Model: 7075-24-H32-35K / QTY: 1

Description: 24" Size, 32W, 3030 lm

ISOFOOTCANDLE PLOT



POLAR GRAPH



BUG RATING
B1-U0-G1

DISTRIBUTION
TYPE 2

2: Motion no longer detected, dim to set level. 3: Remain in continuous dimmed state or turn off after set period. Cor

Specifications subject to change without notice.

BROWNLEE LIGHTING
www.brownlee.com

W34-55L

RAB Outdoor



Ultra-economy wall pack with traditional look.

Color: Bronze

Weight: 9.4 lbs

Project:	**Type:** DD
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.43A
208V	0.26A
240V	0.22A
277V	0.19A
Input Watts	51.10W
Efficiency	98%

LED Info

Watts	50.00W
Color Temp	5000K (Cool)
Color Accuracy	83 CRI
L70 Lifespan	50,000
Lumens	5,375
Efficacy	105.2 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 4 feet of the ground.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P57TGKTN

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 0.43A, 208V: 0.26A, 240V: 0.22A, 277V: 0.19A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

THD:

6.1% at 120V, 7% at 277V

Power Factor:

99.7% at 120V, 96.7% at 277V

Note:

All values are typical (tolerance +/- 10%)

LED Characteristics

Lifespan:

50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

LEDs:

Long-life, high-efficacy surface mount LEDs

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

Housing:

Die-cast aluminum

Lens:

Glass

Reflector:

Specular aluminum

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

Mounting:

Die-cast backbox with four (4) conduit entry points and knockout pattern for junction box or direct wall mounting. Hinged door for easy re-assembly.

Green Technology:

Mercury and UV free. RoHS-compliant components.

Finish:

Formulated for high durability and long-lasting color

Other

Replacement:

Replaces up to 175W Metal Halide

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Technical Specifications (continued)

Other

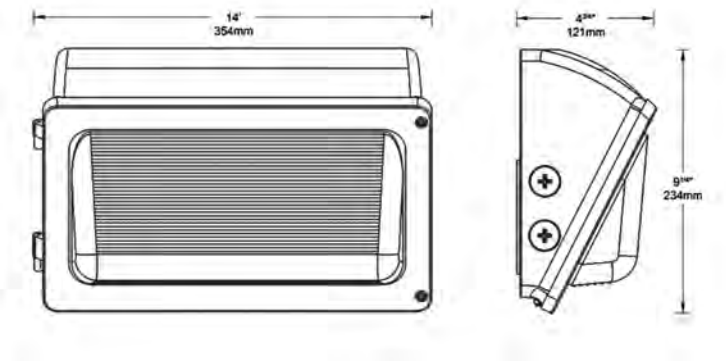
5 Yr Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

- Economy-grade wall pack with traditional look
- Covers footprint of medium-sized HID wall packs
- Available in various lumen packages
- Integrated 0-10V dimming
- 50,000-Hour LED lifespan

Ordering Matrix

Family	Lumen Package	CRI/CCT	Voltage	Options
W34	55L			
	55L = 5400lm, 51W **70L =** 7200lm, 69W **90L =** 9100lm, 87W	**Blank =** 80 CRI / 5000K **830 =** 80 CRI / 3000K	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**Blank =** No Option **/PCU =** 120-277V Button Photocell **/MVS =** 120-277V Microwave Sensor **/LC =** 120-277V Lightcloud® Control

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RSX2 LED
Area Luminaire

Catalog Number

Notes

Type PA4, PW3

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Specifications

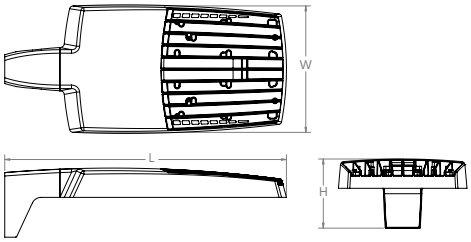
EPA (ft²@0°): 0.69 ft² (0.06 m²)

Length: 29.3" (74.4 cm) (SPA mount)

Width: 13.4" (34.0 cm)

Height: 3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm

Weight (SPA mount): 30.0 lbs (13.6 kg)



design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [2]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) [3]	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) [4]	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	(use specific voltage for options as r	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6]
	P5		R4S Type 4 Short	120 [3] 2	WBA Wall bracket [1]
	P6		R5 Type 5 Wide [1]	208 [3] 347 [5]	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short [1]	240 [3] 480 [5]	AASP Adjustable tilt arm square pole mounting [6]
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting [6]
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket [6]
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

PW3 PA4 PA4 PW3

Options

Shipped Installed

HS	House-side shield [7]
PE	Photocontrol, button style [8,9]
PER7	Seven-wire twist-lock receptacle only (no controls) [9, 10, 11]
SF	Single fuse (120, 277, 347) [5]
DF	Double fuse (208, 240, 480) [5]
SPD20KV	20KV Surge pack (10KV standard)
FAO	Field adjustable output [9]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [9]
DS	Dual switching [9,12]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

NLTAIR2 PIRHN	nLight AIR generation 2 ,with Networked, Bi-Level motion/ambient sensor [9, 13, 14, 15]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
CCE	Coastal Construction [16]

*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)

EGS	External glare shield [7]
EGFV	External glare full visor (360° around light aperture) [7]
BS	Bird spikes [17]

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

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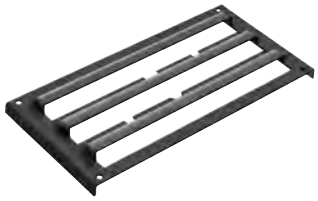
Ordering Information

Accessories
Ordered and shipped separately.

RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSAFRR (FINISH) U	RSX2 House side shields for AFR rotated optics (includes 2 shields)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U DLL127F 1.5 JU	RSX Surface conduit box (specify finish, for use with WBA, WBA not included) Photocell -SSL twist-lock (120-277V) [18]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [18]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [18]
DSHORT SBK U	Shorting cap [18]

NOTES
1 Any Type 5 distribution, is not available with WBA.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4 XVOLT driver not available with P1. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Maximum tilt is 90° above horizontal.
7 It may be ordered as an accessory.
8 Requires MVOLT or 347V.
9 Two or more of the following options cannot be combined including PE, DMG, PER7, FAO, DS and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
10 Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
11 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
12 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P5 and P6.
13 Must be ordered with PIRHN.
14 Requires MVOLT or HVOLT.
15 Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
16 CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
17 Must be ordered with fixture for factory pre-drilling.
18 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

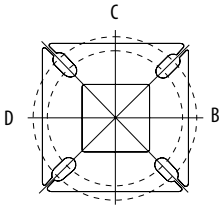


External 360 Full Visor

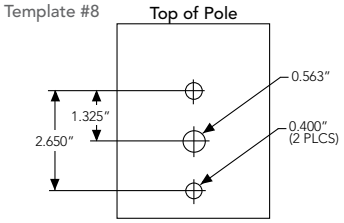
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

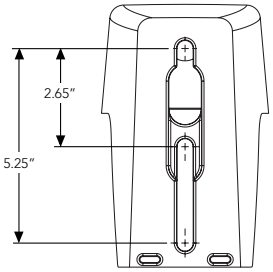
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	**Drill Nomenclature**	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX2 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

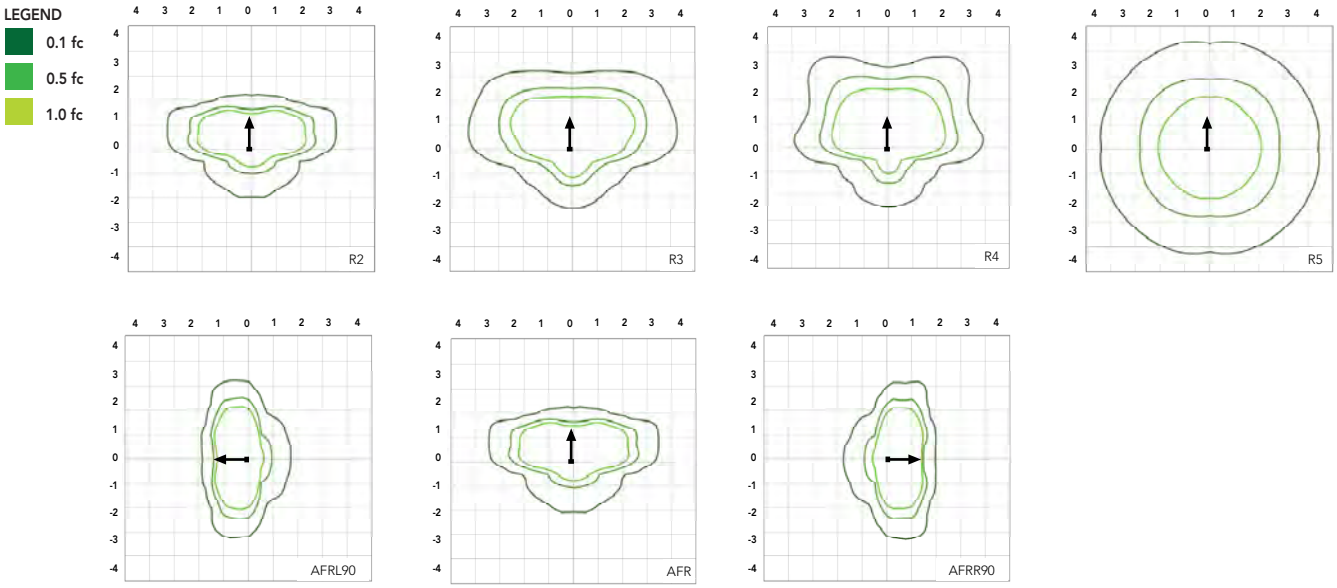
Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SPA - Square Pole Adaptor	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
RPA - Round Pole Adaptor		0.74	1.27	1.37	1.9	1.71	2.49	1.42	2.16	2.84
MA - Mast Arm Adaptor		0.61	1.14	1.11	1.64	1.45	2.23	1.29	1.9	2.58
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
	10°	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20°	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30°	0.64	1.11	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40°	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45°	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50°	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60°	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.13	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
	90°	3.85	5.96	6.55	8.58	8.31	11.88	7.70	11.56	15.41

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Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX2 LED P6 40K. Distances are in units of mounting height (30').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	71W	0.59	0.34	0.30	0.26	0.20	0.15
P2	111W	0.93	0.53	0.46	0.40	0.32	0.23
P3	147W	1.23	0.70	0.61	0.53	0.42	0.31
P4	187W	1.55	0.90	0.78	0.68	0.53	0.38
P5	210W	1.75	1.01	0.87	0.76	0.60	0.44
P6	244W	2.03	1.17	1.01	0.88	0.70	0.51

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

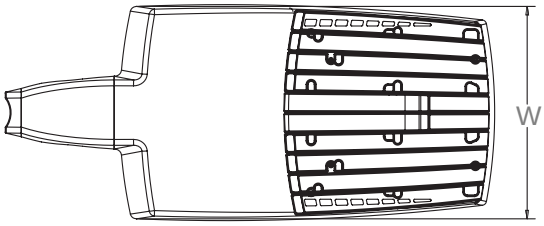
Performance Package	System Watts	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	10,271	2	0	2	143	11,285	2	0	2	157	11,285	2	0	2	157
		R4	10,136	2	0	2	143	11,136	2	0	2	157	11,136	2	0	2	157
		R4S	9,779	2	0	2	138	10,744	2	0	2	151	10,744	2	0	2	151
		R5	10,271	4	0	2	145	11,285	4	0	2	159	11,285	4	0	2	159
		R5S	10,544	3	0	1	149	11,585	3	0	2	163	11,585	3	0	2	163
		AFR	10,026	2	0	1	141	11,016	2	0	1	155	11,016	2	0	1	155
		AFRR90	10,122	3	0	2	140	11,121	3	0	2	154	11,121	3	0	2	154
		AFRL90	10,164	3	0	2	141	11,167	3	0	2	155	11,167	3	0	2	155
P2	111W	R2	15,712	2	0	2	138	17,263	2	0	2	151	17,263	2	0	2	151
		R3	15,657	2	0	3	141	17,202	3	0	3	155	17,202	3	0	3	155
		R3S	16,075	2	0	2	141	17,661	2	0	2	155	17,661	2	0	2	155
		R4	15,862	2	0	3	143	17,427	2	0	3	157	17,427	2	0	3	157
		R4S	15,304	2	0	2	138	16,815	2	0	2	151	16,815	2	0	2	151
		R5	16,075	4	0	2	145	17,661	5	0	3	159	17,661	5	0	3	159
		R5S	16,502	4	0	2	149	18,130	4	0	2	163	18,130	4	0	2	163
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155
		AFRR90	15,841	3	0	3	139	17,404	4	0	3	153	17,404	4	0	3	153
		AFRL90	15,907	3	0	3	139	17,477	4	0	3	153	17,477	4	0	3	153
P3	147W	R2	19,855	3	0	2	132	21,814	3	0	2	145	21,814	3	0	2	145
		R3	19,785	3	0	3	135	21,737	3	0	4	148	21,737	3	0	4	148
		R3S	20,312	3	0	3	135	22,317	3	0	3	149	22,317	3	0	3	149
		R4	20,044	3	0	3	136	22,022	3	0	4	150	22,022	3	0	4	150
		R4S	19,339	3	0	3	132	21,247	3	0	3	145	21,247	3	0	3	145
		R5	20,313	5	0	3	138	22,317	5	0	3	152	22,317	5	0	3	152
		R5S	20,852	4	0	2	142	22,910	4	0	2	156	22,910	4	0	2	156
		AFR	19,828	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148
		AFRR90	20,017	4	0	3	133	21,992	4	0	3	147	21,992	4	0	3	147
		AFRL90	20,101	4	0	3	134	22,084	4	0	3	147	22,084	4	0	3	147
P4	187W	R2	22,836	3	0	2	120	25,090	3	0	2	132	25,090	3	0	2	132
		R3	22,756	3	0	4	122	25,002	3	0	4	134	25,002	3	0	4	134
		R3S	23,363	3	0	3	123	25,668	3	0	3	135	25,668	3	0	3	135
		R4	23,054	3	0	4	123	25,329	3	0	4	135	25,329	3	0	4	135
		R4S	22,243	3	0	3	119	25,059	3	0	3	134	25,059	3	0	3	134
		R5	23,363	5	0	3	125	25,669	5	0	4	137	25,669	5	0	4	137
		R5S	23,983	4	0	2	128	26,350	4	0	2	141	26,350	4	0	2	141
		AFR	22,806	3	0	2	122	25,056	3	0	2	134	25,056	3	0	2	134
		AFRR90	23,023	4	0	3	121	25,295	4	0	3	133	25,295	4	0	3	133
		AFRL90	23,120	4	0	3	122	25,401	4	0	3	134	25,401	4	0	3	134
P5	210W	R2	26,141	3	0	2	122	28,721	3	0	2	135	28,721	3	0	2	135
		R3	26,049	3	0	4	124	28,620	3	0	4	136	28,620	3	0	4	136
		R3S	26,744	3	0	3	125	29,383	3	0	4	138	29,383	3	0	4	138
		R4	26,390	3	0	4	126	28,994	3	0	4	138	28,994	3	0	4	138
		R4S	25,462	3	0	3	121	27,974	3	0	3	133	27,974	3	0	3	133
		R5	26,744	5	0	4	127	29,383	5	0	4	140	29,383	5	0	4	140
		R5S	27,454	4	0	2	131	30,163	4	0	2	144	30,163	4	0	2	144
		AFR	26,106	3	0	2	124	28,682	3	0	2	137	28,682	3	0	2	137
		AFRR90	26,354	4	0	3	123	28,955	5	0	3	136	28,955	5	0	3	136
		AFRL90	26,465	4	0	3	124	29,077	5	0	3	136	29,077	5	0	3	136
P6	244W	R2	27,646	3	0	2	112	30,374	3	0	2	123	30,374	3	0	2	123
		R3	27,549	3	0	4	113	30,267	3	0	4	124	30,267	3	0	4	124
		R3S	28,283	3	0	3	115	31,075	3	0	4	126	31,075	3	0	4	126
		R4	27,909	3	0	4	114	30,663	3	0	4	126	30,663	3	0	4	126
		R4S	26,928	3	0	3	110	29,585	3	0	3	121	29,585	3	0	3	121
		R5	28,284	5	0	4	116	31,075	5	0	4	127	31,075	5	0	4	127
		R5S	29,035	4	0	2	119	31,900	5	0	3	131	31,900	5	0	3	131
		AFR	27,608	3	0	2	112	30,332	3	0	2	123	30,332	3	0	2	123
		AFRR90	27,872	4	0	3	113	30,622	5	0	3	124	30,622	5	0	3	124
		AFRL90	27,989	4	0	3	113	30,751	5	0	3	125	30,751	5	0	3	125

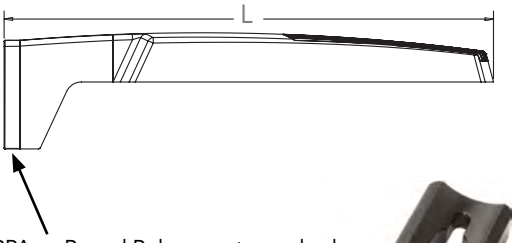
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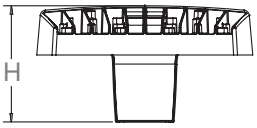
Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	35 lbs
AAWB	36 lbs
AAWSC	39 lbs

RSX2 with Round Pole Adapter (RPA)





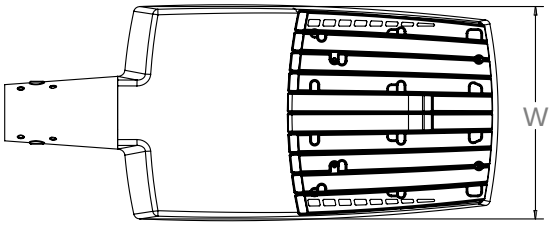


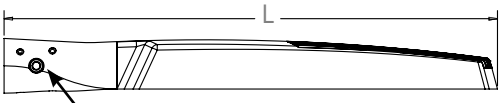
Length: 30.3" (77.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

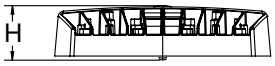
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



RSX2 with Mast Arm Adapter (MA)

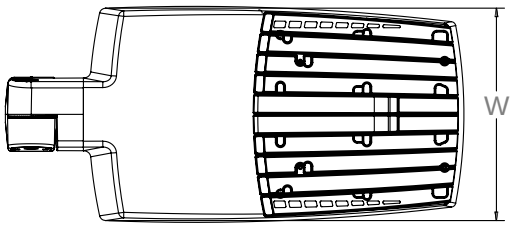


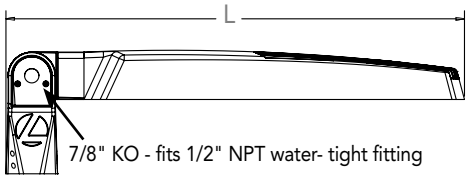


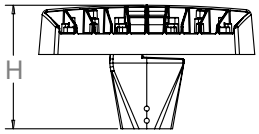


Length: 30.6" (77.7 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm

RSX2 with Adjustable Slipfitter (IS)





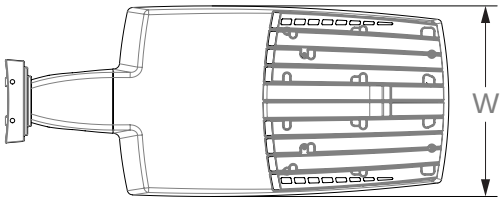


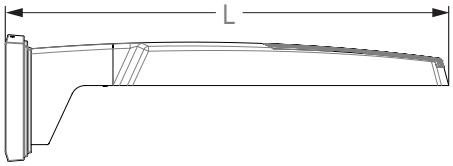
Length: 28.3" (71.9 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm

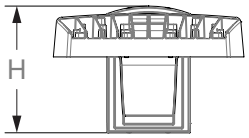
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Dimensions

RSX2 with Wall Bracket (WBA)

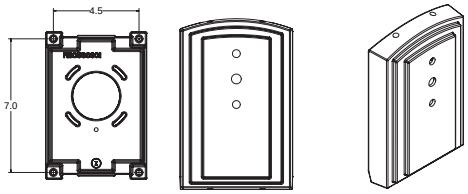




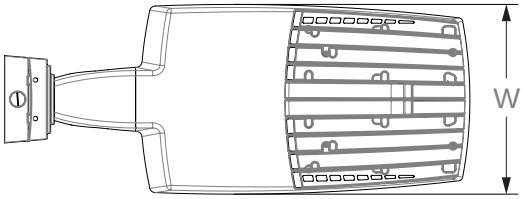


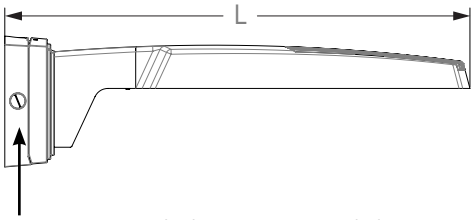
Length: 31.2" (79.2 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

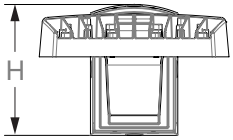
Wall Bracket (WBA) Mounting Detail



RSX2 with Wall Bracket with Surface Conduit Box (WBASC)

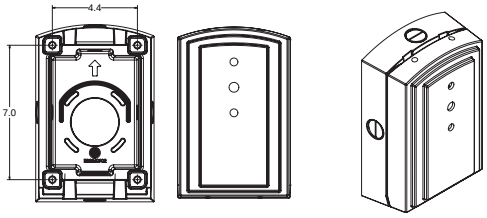






3/4" NPT taps with plugs - Qty (4) provided

Surface Conduit Box (SCB) Mounting Detail

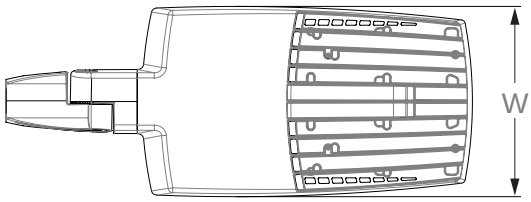


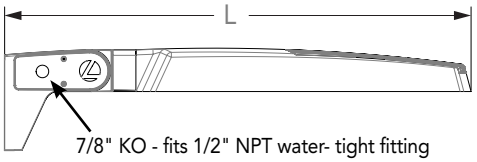
Length: 32.8" (83.3 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

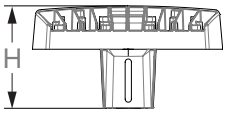
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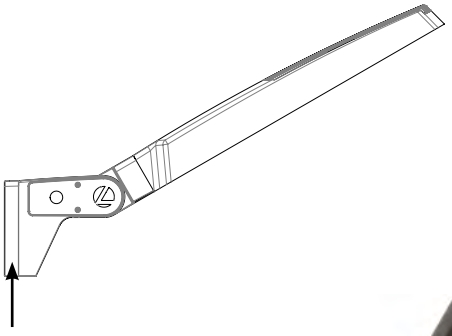
Dimensions

RSX2 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)









Length: 32.8" (83.3 cm) **AASP**
33.8" (85.9 cm) **AARP**
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

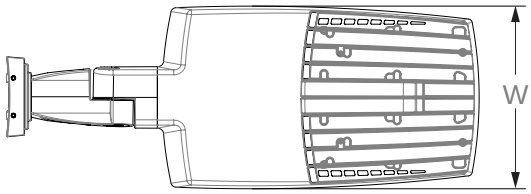


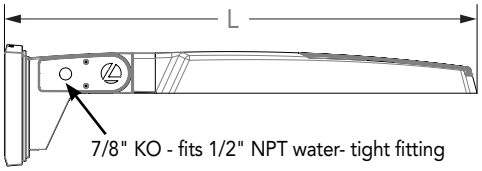
Notes

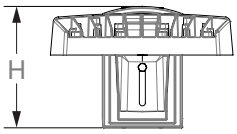
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

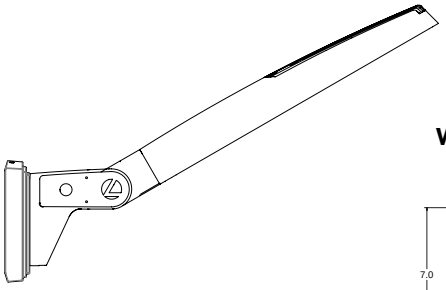
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB)



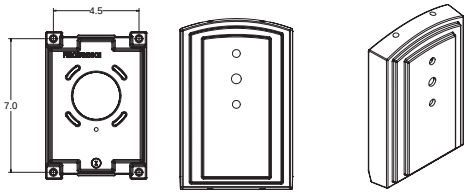






Length: 34.7" (88.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

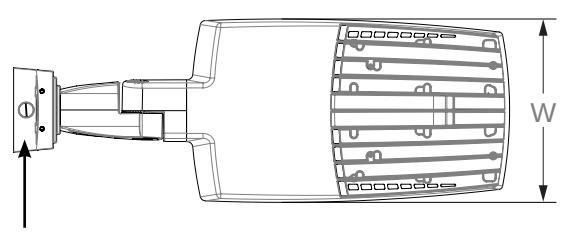
Wall Bracket (WBA) Mounting Detail



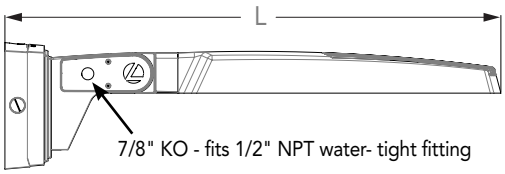
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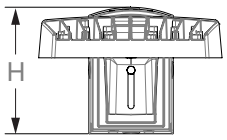
Dimensions

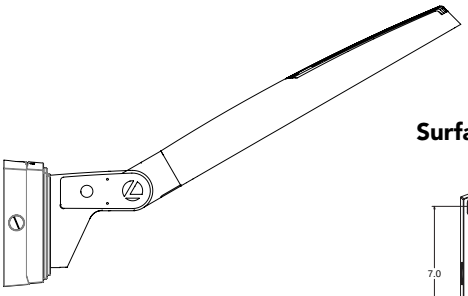
RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



3/4" NPT taps
with plugs - Qty (4)
provided

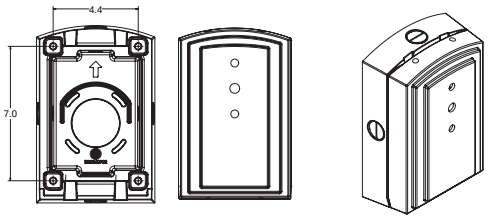




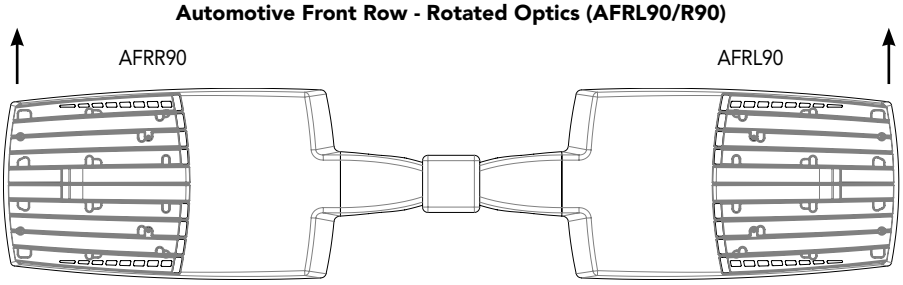


Length: 36.2" (91.9 cm)
Width: 13.4" (40.0 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



Automotive Front Row - Rotated Optics (AFRL90/R90)

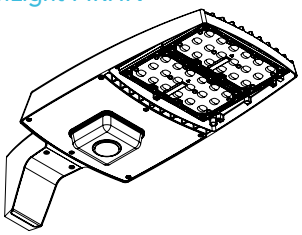


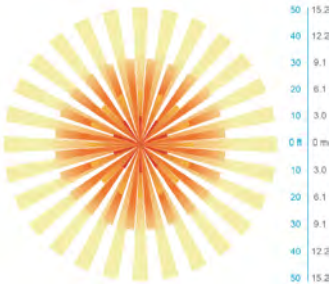
(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

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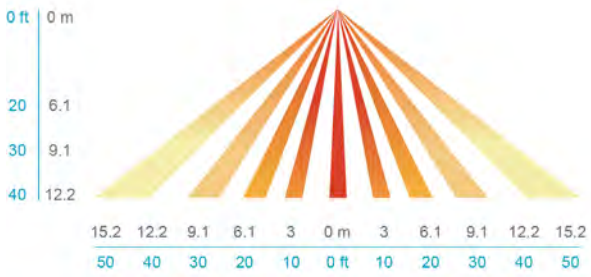
NLTAIR2 PIRHN nLight Sensor Coverage Pattern

nLight PIRHN





Top



Side

Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX2 delivers 11,000 to 31,000 lumens and is ideal for replacing 250W to 1000W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION AND DESIGN
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. Vibration rated per ANSI C136.31: 3G Mountings: Include SPA, RPA, MA, IS, AASP, AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row) and AFR rotated AFRR90 and ARFL90.

COASTAL CONSTRUCTION (CCE)
Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times apply.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. US Patent No. D882, 146S

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

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

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

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D-Series
LED Bollard

d-series

Catalog Number

Notes

Type PC

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

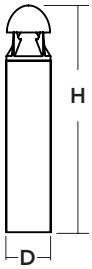
The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Specifications

Diameter: 8" Round *(20.3 cm)*

Height: 42" *(106.7 cm)*

Weight (max): 27 lbs *(12.25 kg)*



Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

DSXB LED								
Series	**LEDs**	**Drive current**	**Color temperature**	**Distribution**	**Voltage**	**Control options**	**Other options**	**Finish** *(required)*
DSXB LED	**Asymmetric** 12C 12 LEDs[1] **Symmetric** 16C 16 LEDs[2]	350 350 mA 450 450 mA [3,4] 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength [3,4]	ASY Asymmetric [1] SYM Symmetric [2]	MVOLT [5] 120 [5] 208 [5] 240 [5] 277 [5] 347 [4]	**Shipped installed** PE Photoelectric cell, button type DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ELCW Emergency battery backup[6]	**Shipped installed** SF Single fuse (120, 277, 347V) [4,7] DF Double fuse (208, 240V) [4,7] H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts [8]	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for DSXB [8]

NOTES

1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with 450 AMBLW version.
4. Not available with ELCW.
5. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6. Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8. MRAB U not available with L/AB4 option.

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Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
Asymmetric (12 LEDs)	350	16	1,194	75	1	0	1	1,283	80	1	0	1	1,291	81	1	0	1					
	530	22	1,719	78	1	0	1	1,847	84	1	0	1	1,859	85	1	0	1					
	700	31	2,173	70	1	0	1	2,335	75	1	0	1	2,349	76	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric (16 LEDs)	350	20	1,558	78	1	0	0	1,674	84	1	0	0	1,685	84	1	0	0					
	530	28	2,232	80	2	0	1	2,397	86	2	0	1	2,412	86	2	0	1					
	700	39	2,802	72	2	0	1	3,009	77	2	0	1	3,028	78	2	0	1					
	Amber 450	20																419	21	1	0	1

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

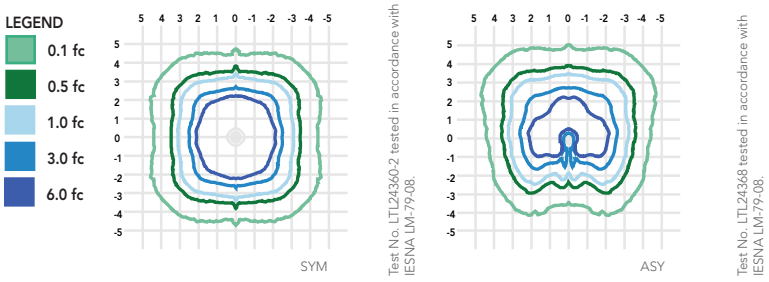
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Bollard homepage.

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE
The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION
One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH
Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL
Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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SLED5



Square LED Step Lights. Equivalent to 13 Watt CFL or 40 Watt incandescent. Applications for steps, decks, landscape and entries. Meets ADA requirements. 5-year, no-compromise warranty.

Color: Bronze

Weight: 1.7 lbs

Project:	**Type:** SL
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.1A
208V	0.06A
240V	0.05A
277V	0.049A
Input Watts	5.3W

LED Info

Watts	5W
Color Temp	5000K (Cool)
Color Accuracy	68 CRI
L70 Lifespan	100,000 Hours
Lumens	196 lm
Efficacy	37 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations. Suitable for mounting within 4ft. of the ground.

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 13W CFL or 60W Incandescent

Electrical

Driver:
4W high output long life LED. Driver Constant Current, Class 2, 50-60 Hz, 100-240 VAC 0.18 amps.

Voltage:
120-277V

Surge Protection:
1000 Volts

Construction

Finish:
Formulated for high durability and long-lasting color

Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:
Suitable for use in up to 104°F (40°C)

Green Technology:
Mercury and UV free. RoHS-compliant components.

Housing:
Precision die-cast aluminum housing and mounting plate (junction box not included)

Gaskets:
High-temperature silicone

LED Characteristics

Color Consistency:
7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 100,000 hours of operation

Color Temperature:
5000K

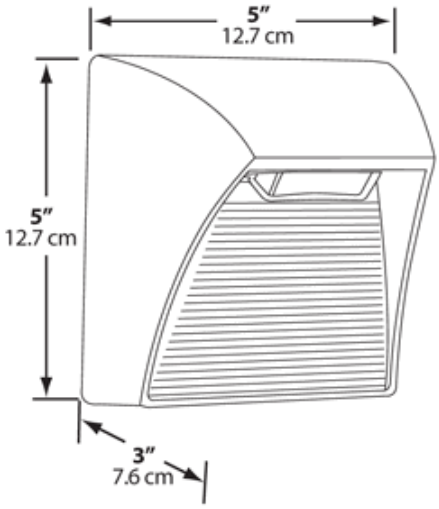
Other

Patents:
The design of the SLED Lights are protected by U.S. Pat. 612,975, Canada Pat. 133101, and China Pat. ZL201030129140.1.

5-Year, No-Compromise Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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Dimensions



Features

- 5 Watt, High output LED
- 100,000-hour life
- Superior heat sinking with die cast aluminum housing
- Meets ADA Requirements
- Junction Box Not Included

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