

HOOPER SITE RESIDENTIAL

2030-2200 PENNSYLVANIA AVENUE,
MADISON, WI 53704

UDC FINAL - JANUARY 5, 2026



OWNER	ARCHITECT	STRUCTURAL ENGINEER:	CIVIL ENGINEER	LANDSCAPE ARCHITECT:
NEW LAND ENTERPRISES 1840 N. FARWELL AVE. MILWAUKEE, WI 53202	KORB ARCHITECTURE 648 N. PLANKINTON AVE, SUITE 240 MILWAUKEE, WI 53203		JSD 507 W VERONA AVE, SUITE 500 VERONA, WI 53593	JSD 507 W VERONA AVE, SUITE 500 VERONA, WI 53593
CONTACT: JOEY WISNIEWSKI	CONTACT: SIMON MANCE, AIA	CONTACT:	CONTACT: CHRIS JACKSON PE, PLS	CONTACT: KEVIN YESKA, PLA, ASLA

PROJECT
HOOPER SITE RESIDENTIAL
2030-2200 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1840 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

DRAWING INDEX

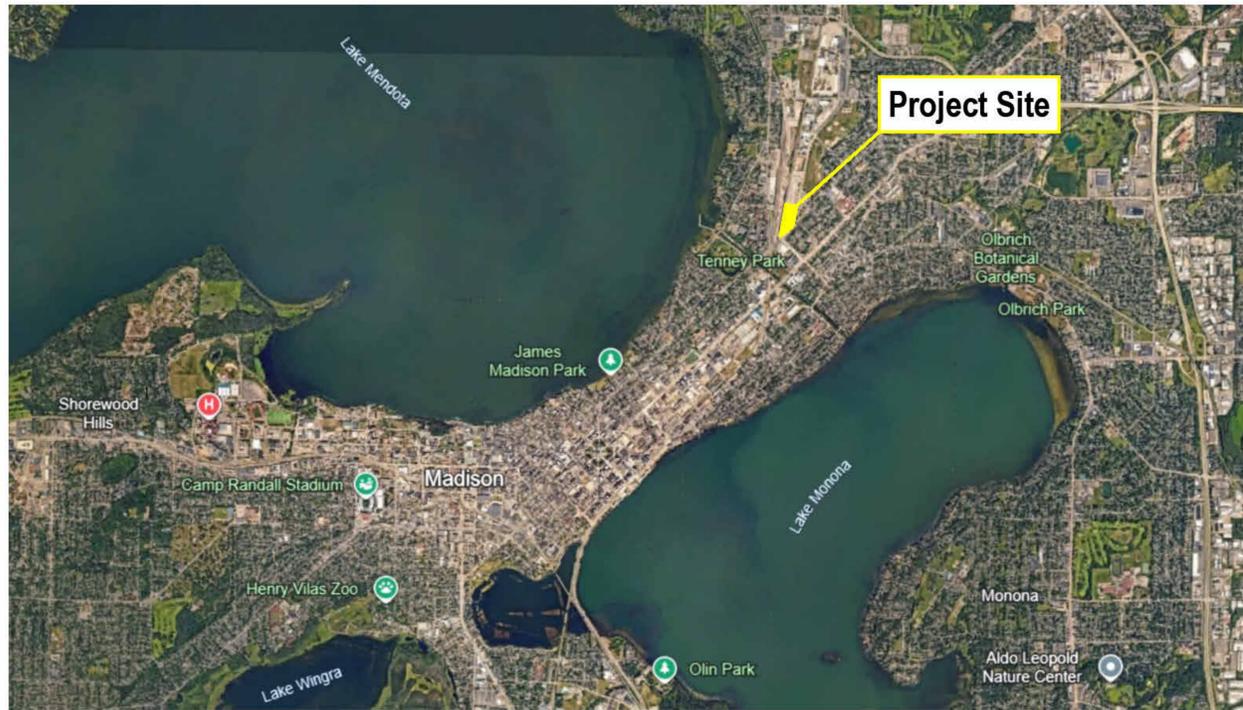
00- GENERAL	04- ARCHITECTURAL
G000 COVER SHEET	A000 ARCHITECTURAL SITE PLAN
G001 SITE LOCATION	A101 FLOOR 01 PLAN
G002 EXISTING SITE BUILDINGS	A102 FLOOR 02 PLAN
G005 ARCHITECTURAL SITE PLAN- PHASING OPTIONS A & B	A103 FLOOR 03 PLAN
G006 ARCHITECTURAL SITE PLAN- PHASING OPTION C	A104 FLOOR 04-07 PLAN
G010 AXONOMETRIC RENDERINGS	A200 BUILDING ELEVATIONS
	A201 BUILDING ELEVATIONS
	A202 BUILDING MATERIALS
	A600 RENDERINGS

DATE	REVISION

PROJ. NO:	2501-09
SCALE:	
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

COVER SHEET

G000



PROJECT
WOODS SITE RESIDENTIAL
2030-2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

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1845 N. FARMELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

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SITE LOCATION

G001



2030-2098 PENNSYLVANIA



2030-2098 PENNSYLVANIA



2030-2098 PENNSYLVANIA



2010 PENNSYLVANIA



1902-2010 PENNSYLVANIA (WAREHOUSE BLDG)



1902-2010 PENNSYLVANIA (WAREHOUSE BLDG)



1902 E JOHNSON (SCANLAN MORRIS)



1902 E JOHNSON (SCANLAN MORRIS)

PROJECT
WOODRIDGE RESIDENTIAL
2030-2098 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1848 N. FAIRBELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
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STRUCTURAL ENGINEER

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507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
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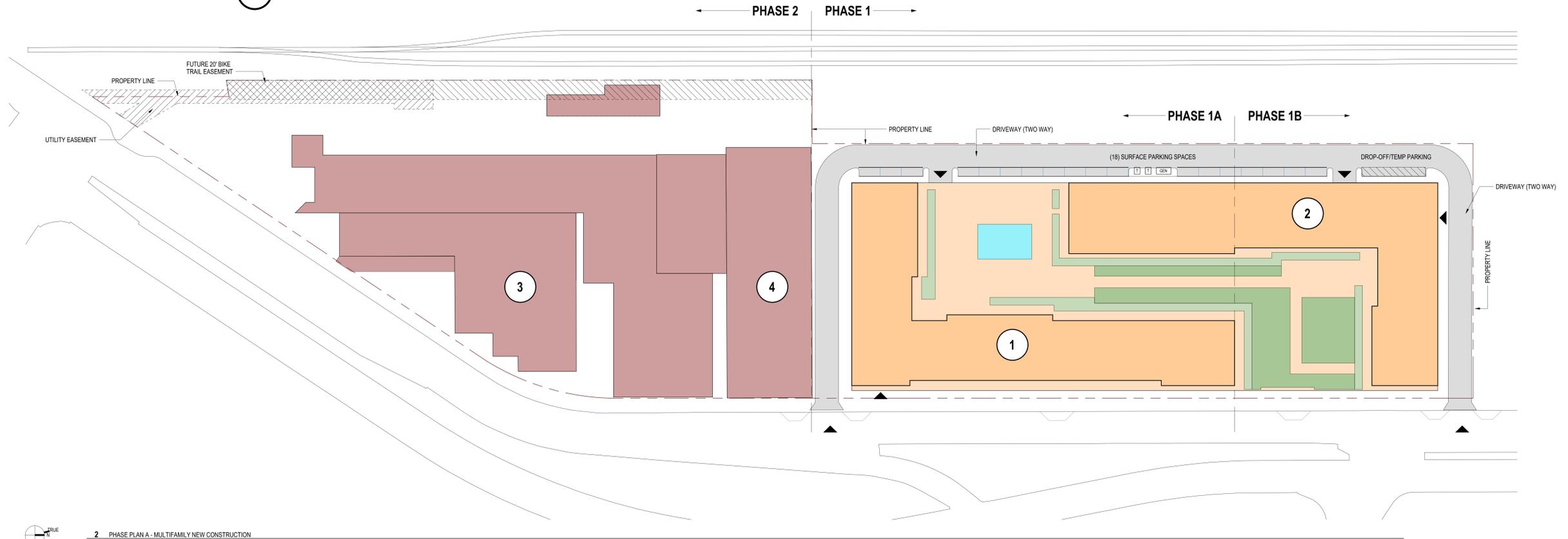
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EXISTING SITE BUILDINGS

G002

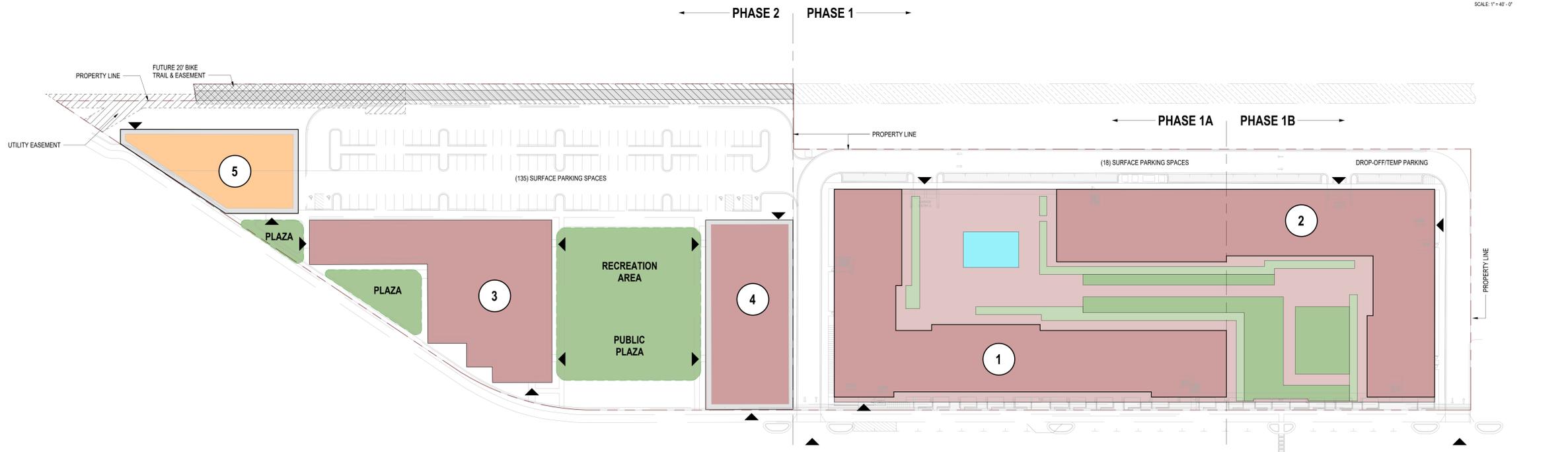
DESIGN REVIEW - NOT FOR CONSTRUCTION

- NEW CONSTRUCTION
 - DEMO
 - EXISTING BUILDING
 - OPEN SPACE
- 1 PHASE 1A MULTIFAMILY BUILDING
 - 2 PHASE 1B MULTIFAMILY BUILDING
 - 3 1902 E JOHNSON - SCANLAN MORRIS BUILDING
 - 4 2010 PENNSYLVANIA - BOW TRUSS BLDG
 - 5 PROPOSED CORNER STATEMENT BUILDING



2 PHASE PLAN A - MULTIFAMILY NEW CONSTRUCTION
0005 1" = 40'-0"

0 10 20 30 40 50 60 70 80
SCALE: 1" = 40'-0"



1 PHASE PLAN B - OPTION 1
0005 1" = 40'-0"

0 10 20 30 40 50 60 70 80
SCALE: 1" = 40'-0"

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STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

DATE	REVISION

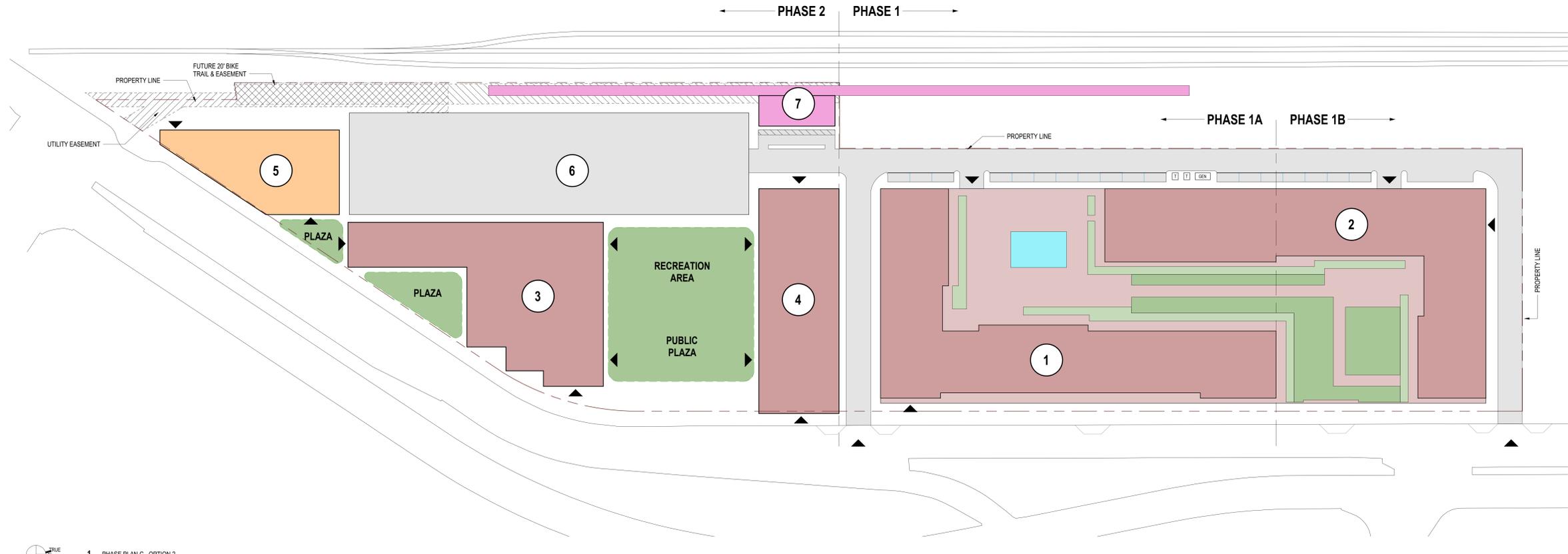
PROJ. NO.	25001-09
SCALE	As Indicated
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ARCHITECTURAL SITE PLAN -
PHASING OPTIONS A & B

G005

DESIGN REVIEW - NOT FOR CONSTRUCTION

- NEW CONSTRUCTION
 - DEMO
 - EXISTING BUILDING
 - OPEN SPACE
- 1 PHASE 1A MULTIFAMILY BUILDING
 - 2 PHASE 1B MULTIFAMILY BUILDING
 - 3 1902 E JOHNSON - SCANLAN MORRIS BUILDING
 - 4 2010 PENNSYLVANIA - BOW TRUSS BLDG
 - 5 PROPOSED CORNER STATEMENT BUILDING
 - 6 FUTURE VERTICAL PARKING STRUCTURE WITH POTENTIAL DEVELOPMENT ABOVE
 - 7 FUTURE RAIL TRANSIT HUB



1 PHASE PLAN C - OPTION 2
0006 1"=40'-0"

0 10 20 30 40 50 60 70 80
SCALE: 1" = 40'-0"

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MILWAUKEE, WI 53202

ARCHITECT
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MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

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ARCHITECTURAL SITE PLAN -
PHASING OPTION C

G006

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← NE AERIAL PERSPECTIVE



← SE AERIAL PERSPECTIVE

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MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
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MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

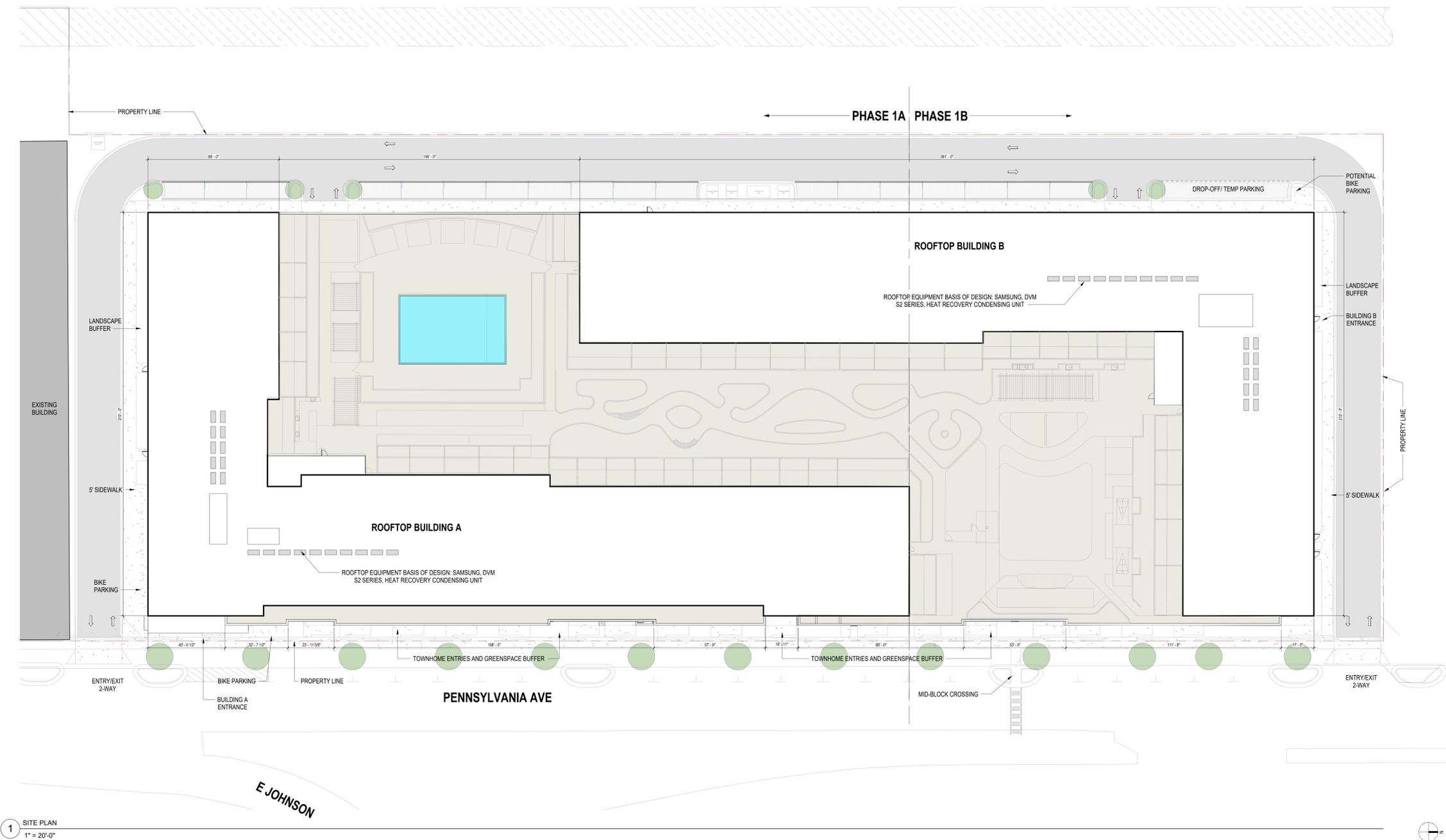
LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

DATE	REVISION

PROJ. NO:	25001-09
SCALE:	
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AXONOMETRIC RENDERINGS

G010



1 SITE PLAN
1" = 20'-0"

PROJECT
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OWNER
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MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
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MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE, SUITE 500
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PHASE	UDC FINAL
DATE	JANUARY 5, 2026

ARCHITECTURAL SITE PLAN

A000

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1 FLOOR 01
1" = 20'-0"

Phase 1A		Unit Mix	
Studio	69	Studio	22%
1JBD	62	1JBD	26%
1BR	81	1BR	33%
1BR+Den	1	1BR+Den	4%
2BR	43	2BR	15%
Subtotal	256	Total	100%
Phase 1B		Parking Ratio	
Studio	39	1.16 per unit	
1JBD	65	1.01 per bed	
1BR	80		
1BR+Den	21	Bike Parking Ratio	
2BR	32	1.01 per unit	
Subtotal	237		
Total Residential			
Studio	108		
1JBD	127		
1BR	161		
1BR+Den	22		
2BR	75		
Total	493		

- PROJECT
WOODRIDGE RESIDENTIAL
2030-2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704
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1945 N. FARMWELL AVE.
MILWAUKEE, WI 53202
- ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203
- STRUCTURAL ENGINEER
- CIVIL ENGINEER
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593
- LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

DATE	REVISION

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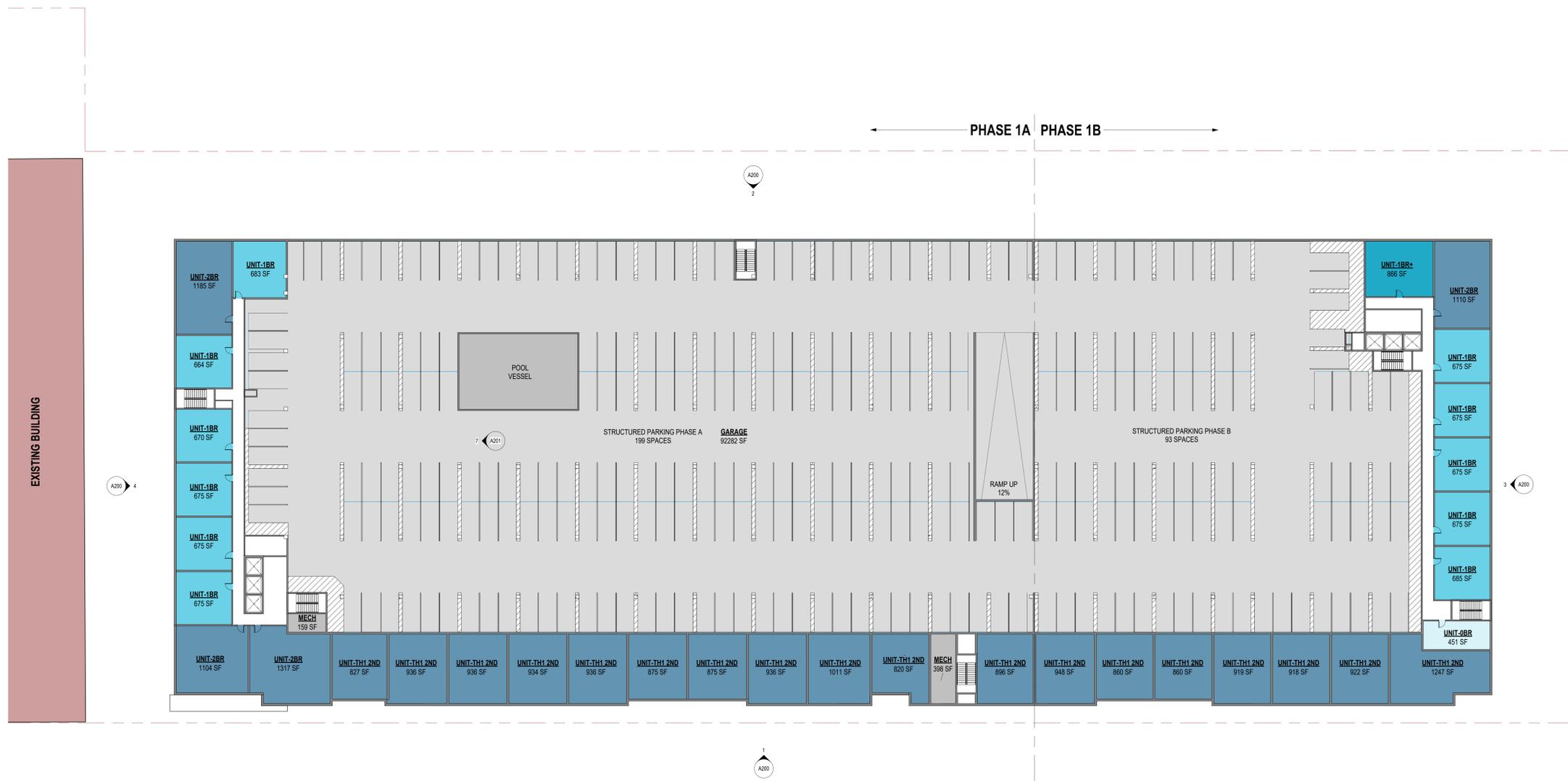
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FLOOR 01 PLAN

A101

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1 FLOOR 02
1" = 20'-0"

- PROJECT
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2030-2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704
- OWNER
NEW LAND ENTERPRISES
1945 N. FARMWELL AVE.
MILWAUKEE, WI 53202
- ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203
- STRUCTURAL ENGINEER
- CIVIL ENGINEER
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593
- LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

Phase 1A	
Studio	69
1JBD	62
1BR	81
1BR+Den	1
2BR	43
Subtotal	256

Phase 1B	
Studio	39
1JBD	65
1BR	80
1BR+Den	21
2BR	32
Subtotal	237

Total Residential	
Studio	108
1JBD	127
1BR	161
1BR+Den	22
2BR	75
Total	493

Unit Mix	
Studio	22%
1JBD	26%
1BR	33%
1BR+Den	4%
2BR	15%
Total	100%

Parking Ratio	
1.16 per unit	
1.01 per bed	

Bike Parking Ratio	
1.01 per unit	



DATE	REVISION

PROJ. NO.	25001-09
SCALE	1" = 20'-0"
PHASE	UDC FINAL
DATE	JANUARY 5, 2026



1 FLOOR 03
1" = 20'-0"

PROJECT
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2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

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NEW LAND ENTERPRISES
1945 N. FARWELL AVE.
MILWAUKEE, WI 53202

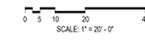
ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

Phase 1A		Unit Mix	
Studio	69	Studio	22%
1JBD	62	1JBD	26%
1BR	81	1BR	33%
1BR+Den	1	1BR+Den	4%
2BR	43	2BR	15%
Subtotal	256	Total	100%
Phase 1B		Parking Ratio	
Studio	39	1.16 per unit	
1JBD	65	1.01 per bed	
1BR	80		
1BR+Den	21	Bike Parking Ratio	
2BR	32	1.01 per unit	
Subtotal	237		
Total Residential			
Studio	108		
1JBD	127		
1BR	161		
1BR+Den	22		
2BR	75		
Total	493		



DATE	REVISION

PROJ. NO. 25001-09
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DATE: JANUARY 5, 2026

FLOOR 03 PLAN

A103

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PROJECT
WOODRIDGE RESIDENTIAL
2030-2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1845 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
648 N. PLANKTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
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507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

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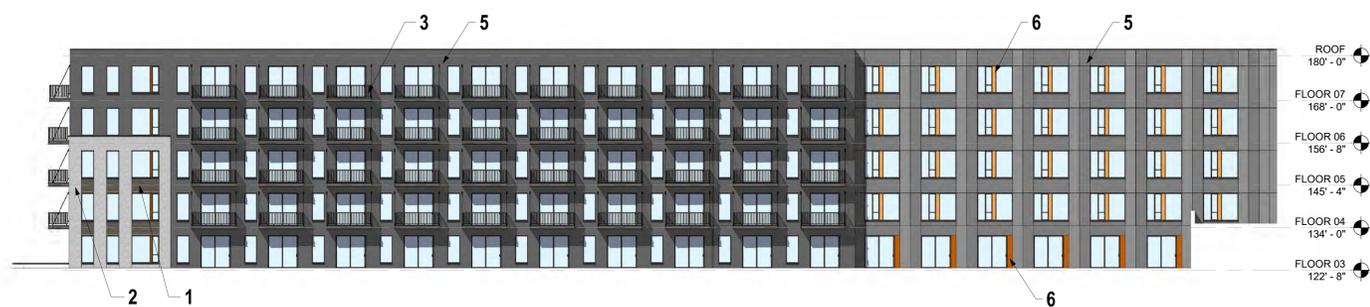
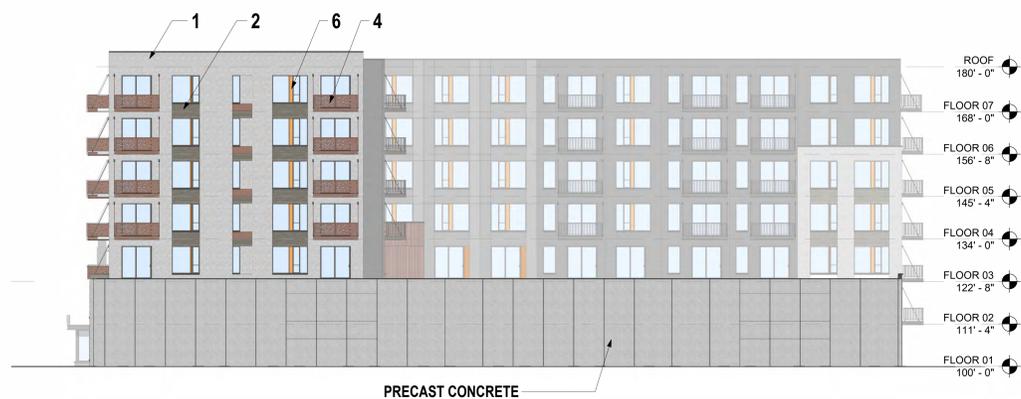
DATE	REVISION

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BUILDING ELEVATIONS

A200

Scale: 1/16" = 1'-0"



PROJECT
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2030-2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

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NEW LAND ENTERPRISES
1945 N. FARWELL AVE.
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ARCHITECT
KORB ARCHITECTURE
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STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE., SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
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BUILDING ELEVATIONS

A201

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SCALE: 1/16" = 1'-0"

DESIGN REVIEW - NOT FOR CONSTRUCTION



PROJECT
WOODRIDGE RESIDENTIAL
2030 2000 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1845 N. FAIRBANK AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W. VERONA AVE, SUITE 500
VERONA, WI 53593

DATE	REVISION
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PROJ. NO.	25001-09
SCALE	1/8" = 1'-0"
PHASE	UDC FINAL
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BUILDING MATERIALS

A202

- ① SOUTHEAST GROUND LEVEL PERSPECTIVE
- ② ENTRY ELEVATION PERSPECTIVE
- ③ MID-BLOCK CROSSING PERSPECTIVE
- ④ TOWNHOUSE PEDESTRIAN PERSPECTIVE
- ⑤ NORTHEAST GROUND LEVEL PERSPECTIVE
- ⑥ PARKING ENTRY (WEST ELEVATION) PERSPECTIVE



①



②



③



④



⑤



⑥

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RENDERINGS

A900

DESIGN REVIEW - NOT FOR CONSTRUCTION



HOOPER SITE
 MADISON, WI
 DATE: 01/05/2026

ROOFTOP PODIUM PLAN





LEGEND

- 1. Planter
- 2. Green roof tray
- 3. Feature pathway
- 4. Seating node
- 5. Feature bench
- 6. Hammock



5. Feature bench

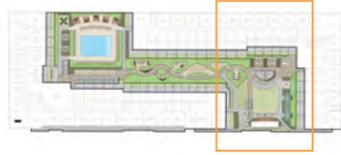


3. Feature pathway



4. Seating node

CONCEPT IMAGERY



14. Soft seating lounge



5. Fire pit



3. Dog run



10. Box car & deck

LEGEND

- | | |
|---------------------|-------------------------|
| 1. Activity lawn | 8. Raised planter |
| 2. Communal seating | 9. Bench seating |
| 3. Grill stations | 10. Box car & deck |
| 4. Pergola | 11. Suffleboard |
| 5. Fire pit | 12. Green roof tray |
| 6. Shade structure | 13. Dog run |
| 7. Feature path | 14. Soft seating lounge |



HOOPER SITE
MADISON, WI
DATE: 01/05/2026

CONCEPT IMAGERY



ALT/NSPS LAND TITLE SURVEY

LOTS 1-49, EXCLUDING LANDS DESCRIBED IN DOC. #1156174, ALL IN BLOCK 313, ALSO PART OF OUTLOT A AND ALL OF OUTLOT B, ALL IN MADISON SQUARE RILEY PLAT, AS RECORDED IN VOLUME 3 OF PLATS, ON PAGES 9A-9, AS DOC. #25313B, DANE COUNTY REGISTRY, LOCATED IN THE FRACTIONAL SW1/4-SW4, NW1/4-SW1/4, SW1/4-NW1/4, NW1/4-NW1/4, THE NE1/4-NW1/4 AND THE SE1/4-NW1/4 ALL IN SECTION 06, TOWNSHIP 07 NORTH, RANGE, 10 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN

LEGEND

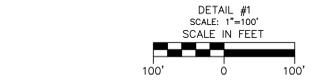
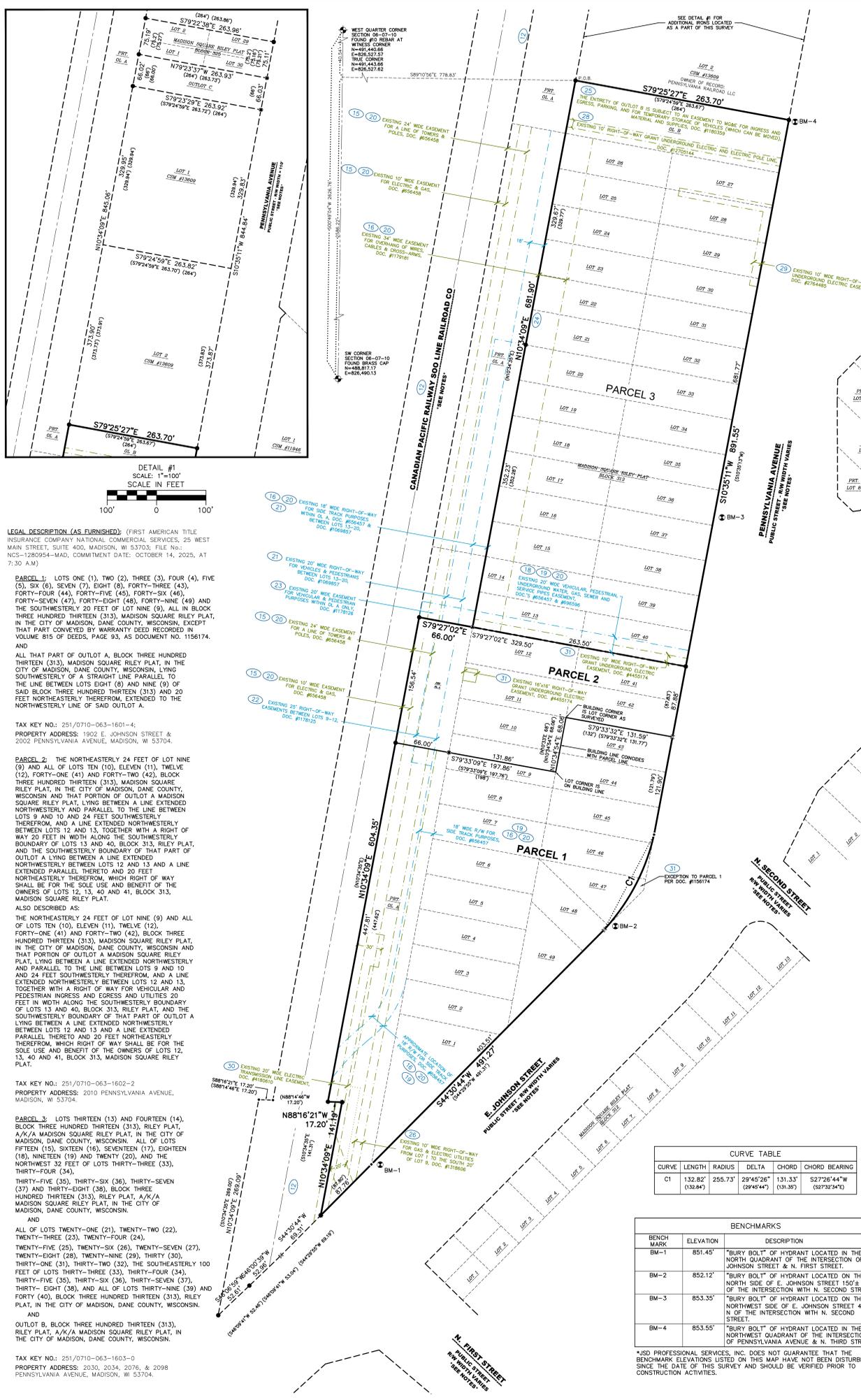
- GOVERNMENT CORNER, 1" IRON PIN FOUND, 3/4" REBAR FOUND, RAILROAD SPIKE FOUND, CHISELED "X" FOUND, BENCHMARK, BOLLARD, MAIL BOX, SIGN, SANITARY MANHOLE, WATER MANHOLE, STORM MANHOLE, ROUND CASTED INLET, CURB INLET, ENDWALL/END OF PIPE, GAS VALVE, ELECTRIC TRANSFORMER, LIGHT POLE, YARD LIGHT, ELECTRIC MANHOLE, POWER POLE W/GUY, TRAFFIC SIGNAL, VAULT, TELEPHONE PEDESTAL, CABLE PEDESTAL, DECIDUOUS TREE, CONIFEROUS TREE, HANDICAP PARKING, PARCEL BOUNDARY, SECTION LINE, RIGHT-OF-WAY LINE, PLATTED LOT LINE, CONCRETE PAVEMENT, GRAVEL, INTERMEDIATE CONTOUR, BITUMINOUS PAVEMENT, CONCRETE PAVEMENT, STRIPING, END OF FLAGGED UTILITIES, DENOTES RECORDED AS MEASUREMENTS, DEPICING THE SAME LINE ON THE GROUND AS RECORDED BY THIS SURVEY (SEE NOTES)

NOTES CORRESPONDING TO TABLE A REQUIREMENTS:

- ITEM 1: MONUMENTS - SHOWN HEREON
ITEM 2: ADDRESSES OF THE PARCEL SURVEYED - 1902 E. JOHNSON STREET, 2002, 2010, 2030, 2034, 2076, & 2098 PENNSYLVANIA AVENUE
ITEM 3: FLOOD ZONE CLASSIFICATION - BY GRAPHIC PLOTTING ONLY, THE PARCELS SURVEYED FALL WITHIN "ZONE X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% CHANCE FLOODPLAIN...
ITEM 4: GROSS LAND AREA - 349,036 SQ. FT. OR 8.013 ACRES, MORE OR LESS.
ITEM 5: VERTICAL RELIEF WITH THE SOURCE OF INFORMATION - ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), 2018 GEOID.
ITEM 6(a): IF SET FORTH IN A ZONING REPORT OR LETTER, GRAPHICALLY DEPICT REQUIREMENTS IF PLOTTABLE AND DO NOT REQUIRE INTERPRETATION - SURVEYOR HAS NOT BEEN PROVIDED WITH A COPY OF A ZONING REPORT OR LETTER.
ITEM 7(A) & 7(B)(1): EXTERIOR DIMENSIONS & SQUARE FOOTAGE OF THE EXTERIOR FOOTPRINT OF ALL BUILDINGS AT GROUND LEVEL - DIMENSIONS & SQUARE FOOTAGE HAS BEEN SHOWN.
ITEM 8: SUBSTANTIAL FEATURES OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK - IMPROVEMENTS/FEATURES ARE SHOWN.
ITEM 9: NUMBER AND TYPE OF CLEARLY IDENTIFIABLE PARKING SPACES - THERE ARE A TOTAL OF 80 CLEARLY IDENTIFIABLE PARKING SPACES WITHIN THE PARCELS SURVEYED. THERE ARE 77 STANDARD PARKING STALLS & 3 HANDICAP PARKING STALLS WITHIN THE PARCELS SURVEYED.
ITEM 11(a): EVIDENCE OF UNDERGROUND UTILITIES BASED UPON MARKINGS COORDINATED BY THE SURVEYOR PURSUANT TO A PRIVATE UTILITY LOCATE REQUEST - A PRIVATE UTILITY LOCATE WAS PERFORMED BY G.S. UTILITY LLC, 1756 TAM O SHANTER TRAIL, SUN PRAIRIE, WI 53590, ON AUGUST 14, 2024. "NOTE TO THE CLIENT, INSURER, AND LENDER - WITH REGARD TO TABLE A, ITEM 11, INFORMATION FROM THE SOURCES CHECKED ABOVE WILL BE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES PURSUANT TO SECTION 5.6.IV. TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY COMPLETELY AND RELIABLY DEPICTED. IN ADDITION, INFORMATION FROM SURVEYORS REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE, IN WHICH CASE THE SURVEYOR SHALL NOTE ON THE PLAT OR MAP HOW THIS AFFECTED THE SURVEYOR'S ASSESSMENT OF THE LOCATION OF THE UTILITIES. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY."
ITEM 13: NAMES OF ADJOINING OWNERS ACCORDING TO CURRENT TAX RECORDS - NAMES OF ADJOINING OWNERS HAVE BEEN NOTED HEREON AND ARE BASED UPON INFORMATION OBTAINED FROM THE ACCESSANCE WEBSITE ON AUGUST 22, 2024.
ITEM 14: AS SPECIFIED BY THE CLIENT, DISTANCE TO THE NEAREST INTERSECTING STREET - CLIENT DID NOT SPECIFY, HOWEVER THE PARCELS SURVEYED ARE LOCATED ON THE NORTH/NORTHWEST CORNER OF E. JOHNSON STREET & PENNSYLVANIA AVENUE BETWEEN THE APPROXIMATE INTERSECTIONS OF E. JOHNSON STREET & N. FIRST STREET AND PENNSYLVANIA AVENUE & N. THIRD STREET.
ITEM 16: EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED DURING THE COURSE OF CONDUCTING THE FIELDWORK - AT THE TIME FIELD SURVEY WORK WAS PERFORMED, THERE WAS NO VISIBLE, OBSERVED EVIDENCE, OF WHICH THE SURVEYOR IS AWARE, OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS.
ITEM 17: PROPOSED CHANGES IN STREET RIGHT-OF-WAY LINES, EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK - THERE ARE NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OF WHICH THE SURVEYOR IS AWARE.
ITEM 20: EXECUTE A DIGGERS HOTLINE PUBLIC UTILITY LOCATE - PUBLIC UTILITY LOCATE REQUESTS WERE EXECUTED ON NOVEMBER 13, 2025 PER DRAWING NUMBERS 20254615802, 20254615796, 20254615871, 20254615823, 20254615829, 20254615835, AND 20254615838. ROADWAY UTILITY RECORD DRAWINGS WERE REQUESTED FROM THE CITY OF MADISON. THE UTILITIES SHOWN REPRESENT FIELD LOCATED UTILITIES IN COMBINATION WITH THE SUPPLIED CITY RECORDS

NOTES CORRESPONDING TO SCHEDULE B-SECTION TWO EXCEPTIONS:

- 11. CURRENT AND FUTURE OBLIGATIONS ARISING FROM THE SUBJECT PARCELS IN TAX INCREMENTAL FINANCIAL DISTRICT NO. 54. NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT.
12. RIGHTS AND EASEMENTS, IF ANY, IN AND TO ANY AND ALL RAILROAD SWITCHES, SIDETRACKS, SPUR TRACKS AND RIGHTS OF WAY LOCATED UPON OR APPURTENANT TO THE SUBJECT PREMISES. THE RAILROAD RIGHT-OF-WAY FOR THE CANADIAN PACIFIC RAILWAY, SDO LINE RAILROAD CO. LIES IMMEDIATELY ADJACENT TO PORTIONS OF THE PARCELS SURVEYED. RAILROAD SWITCHES, SIDETRACKS, AND SPUR TRACKS, (IF ANY), HAVE BEEN SHOWN.
13. MATTERS IN A DOCUMENT ENTITLED "DEED", EXECUTED BY AND BETWEEN MADISON SQUARE COMPANY AND E.F. BURGESS LABORATORIES, A CORPORATION OF WISCONSIN, RECORDED OCTOBER 30, 1917, AS DOCUMENT NO. 366650A OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS AND CHARGES. THE EASEMENTS REFERENCED IN THIS DOCUMENT HAVE BEEN ABROGATED AND TERMINATED BY AGREEMENT RECORDED MARCH 14, 1942, AS DOCUMENT NO. 656457. (SEE EXCEPTION 10).
14. MATTERS IN A DOCUMENT ENTITLED "DEED", EXECUTED BY AND BETWEEN MADISON SQUARE COMPANY AND E.F. RILEY OF MADISON, WISCONSIN, RECORDED NOVEMBER 10, 1925, AS DOCUMENT NO. 454396 OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS, AND CHARGES. NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT. DOCUMENT PLACES RESTRICTIONS ON OUTLOT A AND OUTLOT B.
15. UTILITY EASEMENT TO MADISON GAS & ELECTRIC COMPANY, A CORPORATION OF MADISON, WISCONSIN, DATED FEBRUARY 23, 1942, RECORDED/FILED MARCH 14, 1942, IN VOLUME 420, PAGE 69 AS DOCUMENT NO. 656468. THE 24' WIDE EASEMENT TO ERECT, CONSTRUCT, AND MAINTAIN A LINE OF TOWERS OR POLES AND WIRES HAS BEEN SHOWN. THE 10' WIDE EASEMENT TO CONSTRUCT AND MAINTAIN UNDERGROUND CONDUITS FOR THE TRANSMISSION OF ELECTRICAL ENERGY AND GAS HAS ALSO BEEN SHOWN.
16. AGREEMENT RECORDED: MARCH 14, 1942, AS INSTRUMENT NO.: 656457. THE SIDE TRACK REFERENCED IN THIS DOCUMENT NO LONGER EXISTS, THEREFORE, THE RIGHT-OF-WAY FOR RAILROAD SIDE TRACK HAS BEEN SHOWN BASED UPON THE DESCRIPTION IN THE DOCUMENT AND SCALED FROM RAILROAD MAPS DEPICTING THE SIDE TRACK FOR THAT PORTION NOT DESCRIBED BY REFERENCE TO THE PLATTED LOTS.
17. EASEMENT RESERVATION AS SET FORTH ON DEED RECORDED JULY 06, 1942 IN VOLUME 424, PAGE 77 AS DOCUMENT NO. 660991. THE EASEMENT RESERVATION HAS BEEN SHOWN.
18. MATTERS IN A DOCUMENT ENTITLED "WARRANTY DEED", EXECUTED BY AND BETWEEN BLUE JAY AERONAUTICAL COMPANY, A CORPORATION DULY ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF WISCONSIN AND INLAND INVESTMENT COMPANY, RECORDED DECEMBER 11, 1944, AS IN VOLUME 455, PAGE 355 AS DOCUMENT NO. 696596 OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS AND CHARGES. THE 20' WIDE RIGHT-OF-WAY HAS BEEN SHOWN.
19. AN EASEMENT FOR RIGHT OF WAY AS SET FORTH IN WARRANTY DEED RECORDED ON JULY 02, 1953 IN VOLUME 597, PAGE 96 AS DOCUMENT NO. 856529. THE 18' AND 20' RIGHT-OF-WAY HAS BEEN SHOWN.
20. MATTERS IN A DOCUMENT ENTITLED "WARRANTY DEED", EXECUTED BY AND BETWEEN C.A. HOOPER COMPANY, SOMETIMES REFERRED TO AS C.A. HOOPER CO. AND 2030 PENNSYLVANIA AVENUE CORPORATION, RECORDED JULY 16, 1959, AS VOLUME 696, PAGE 510, AS DOCUMENT NO. 984033 OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS AND CHARGES. THE EASEMENTS & RIGHTS-OF-WAY REFERENCED IN THIS DOCUMENT ARE THE SAME AS THOSE REFERENCED IN DOCUMENT NO.'S 656457, 656458, AND 696596.
21. RIGHT OF WAY EASEMENT RECORDED ON APRIL 04, 1963, IN VOLUME 390, PAGE 48, AS DOCUMENT NO. 1069857. RIGHTS-OF-WAY FOR SIDE TRACK AND FOR VEHICLES & PEDESTRIANS HAS BEEN SHOWN. THESE RIGHTS-OF-WAY LIE OUTSIDE OF, AND IMMEDIATELY ADJACENT TO THE PARCEL SURVEYED. SAID RIGHTS-OF-WAY BENEFIT THE PARCEL SURVEYED.
22. RIGHT OF WAY EASEMENTS RECORDED ON FEBRUARY 08, 1967 IN VOLUME 458, PAGE 489, AS DOCUMENT NO. 1178125. THE 25' WIDE RIGHT-OF-WAY HAS BEEN SHOWN.
23. EASEMENT RECORDED ON FEBRUARY 08, 1967 IN VOLUME 458, PAGE 291, AS DOCUMENT NO. 1178126. THE 20' WIDE EASEMENT & RIGHT-OF-WAY HAS BEEN SHOWN. THIS EASEMENT AND RIGHT-OF-WAY LIES OUTSIDE OF, AND IMMEDIATELY ADJACENT TO THE PARCEL SURVEYED. SAID EASEMENT AND RIGHT-OF-WAY BENEFITS THE PARCEL SURVEYED.
24. UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A CORPORATION DULY ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF WISCONSIN, DATED DECEMBER 30, 1966, RECORDED/FILED FEBRUARY 28, 1967, IN VOLUME 459, PAGE 162 AS DOCUMENT NO. 1179181. THE 34' WIDE EASEMENT HAS BEEN SHOWN.
25. EASEMENT RECORDED ON MARCH 16, 1967 IN VOLUME 460 OF MISC., PAGE 232 AS DOCUMENT NO. 1180359. THE INGRESS AND EGRESS, PARKING, AND FOR TEMPORARY STORAGE OF VEHICLES (WHICH CAN BE MOVED), MATERIAL AND SUPPLIES EASEMENT HAS BEEN SHOWN.
26. UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION OF MADISON, WISCONSIN, DATED APRIL 25, 1968, RECORDED/FILED MARCH 01, 1972 IN VOLUME 322, PAGE 226 AS DOCUMENT NO. 1318606. THE 10' WIDE RIGHT-OF-WAY HAS BEEN SHOWN.
27. RIGHT OF WAY EASEMENT RECORDED ON FEBRUARY 08, 1967, IN VOLUME 458, PAGE 293, AS DOCUMENT NO. 1178127. THE EASEMENT REFERENCED IN THIS DOCUMENT TERMINATED ON JANUARY 01, 1969, AND THEREFORE HAS NOT BEEN SHOWN.
28. UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, ITS SUCCESSORS AND ASSIGNS, DATED SEPTEMBER 15, 1995, RECORDED/FILED SEPTEMBER 19, 1995 IN VOLUME 30858, PAGE 12 AS DOCUMENT NO. 2705144. THE 10' WIDE RIGHT-OF-WAY GRANT UNDERGROUND ELECTRIC EASEMENT - ELECTRIC POLE LINE HAS BEEN SHOWN.
29. UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JANUARY 10, 1996, RECORDED/FILED MAY 22, 1996, IN VOLUME 32954, PAGE 25 AS DOCUMENT NO. 2764485. THE LOCATION OF THE 10' WIDE RIGHT-OF-WAY GRANT UNDERGROUND ELECTRIC EASEMENT IS DEPENDENT UPON THE LOCATION OF THE FACILITIES AS CONSTRUCTED. SAID EASEMENT HAS BEEN SHOWN BASED UPON MARKINGS IN THE FIELD BY DIGGER'S HOTLINE.
30. UTILITY EASEMENT TO AMERICAN TRANSMISSION COMPANY LLC, A WISCONSIN LIMITED LIABILITY COMPANY, DATED APRIL 06, 2006, RECORDED/FILED APRIL 14, 2006, AS DOCUMENT NO. 4180610. THE 20' & 30' WIDE UTILITY EASEMENTS HAVE BEEN SHOWN.
31. UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JULY 25, 2008, RECORDED/FILED JULY 30, 2008, AS DOCUMENT NO. 4455174. THE 10' WIDE RIGHT-OF-WAY GRANT UNDERGROUND ELECTRIC EASEMENTS HAVE BEEN SHOWN.
32. NOTICE RECORDED ON SEPTEMBER 17, 2012, AS DOCUMENT NO. 4913282. NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT.
33. RIGHTS OF TENANTS IN POSSESSION UNDER UNRECORDED LEASES. NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT.



LEGAL DESCRIPTION (AS FURNISHED): (FIRST AMERICAN TITLE INSURANCE COMPANY NATIONAL COMMERCIAL SERVICES, 25 WEST MAIN STREET, SUITE 400, MADISON, WI 53703; FILE NO.: NCS-1280954-MAD, COMMITMENT DATE: OCTOBER 14, 2025, AT 7:30 A.M.)

PARCEL 1: LOTS ONE (1), TWO (2), THREE (3), FOUR (4), FIVE (5), SIX (6), SEVEN (7), EIGHT (8), FORTY-THREE (43), FORTY-FOUR (44), FORTY-FIVE (45), FORTY-SIX (46), FORTY-SEVEN (47), FORTY-EIGHT (48), FORTY-NINE (49) AND THE SOUTHWESTERLY 20 FEET OF LOT NINE (9), ALL IN BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, EXCEPT THAT PART CONVEYED BY WARRANTY DEED RECORDED IN VOLUME 815 OF DEEDS, PAGE 93, AS DOCUMENT NO. 1156174, AND ALL THAT PART OF OUTLOT A, BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, LINGING SOUTHWESTERLY OF A STRAIGHT LINE PARALLEL TO THE LINE BETWEEN LOTS EIGHT (8) AND NINE (9) OF SAID BLOCK THREE HUNDRED THIRTEEN (313) AND 20 FEET NORTHEASTERLY THEREFROM, EXTENDED TO THE NORTHWESTERLY LINE OF SAID OUTLOT A.

TAX KEY NO.: 251/0710-063-1601-4; PROPERTY ADDRESS: 1902 E. JOHNSON STREET & 2002 PENNSYLVANIA AVENUE, MADISON, WI 53704.

PARCEL 2: THE NORTHEASTERLY 24 FEET OF LOT NINE (9) AND ALL OF LOTS TEN (10), ELEVEN (11), TWELVE (12), FORTY-ONE (41) AND FORTY-TWO (42), BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN AND THAT PORTION OF OUTLOT A MADISON SQUARE RILEY PLAT, LINGING SOUTHWESTERLY AND NORTHWESTERLY OF A STRAIGHT LINE PARALLEL TO THE LINE BETWEEN LOTS 9 AND 10 AND 24 FEET SOUTHWESTERLY THEREFROM, AND A LINE EXTENDED NORTHWESTERLY THEREFROM, AND A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13, TOGETHER WITH A RIGHT OF WAY 20 FEET IN WIDTH ALONG THE SOUTHWESTERLY BOUNDARY OF LOTS 13 AND 40, BLOCK 313, RILEY PLAT, AND THE SOUTHWESTERLY BOUNDARY OF THAT PART OF OUTLOT A LYING BETWEEN A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13 AND A LINE EXTENDED PARALLEL THERETO AND 20 FEET NORTHEASTERLY THEREFROM, WHICH RIGHT OF WAY SHALL BE FOR THE SOLE USE AND BENEFIT OF THE OWNERS OF LOTS 12, 13, 40 AND 41, BLOCK 313, MADISON SQUARE RILEY PLAT. ALSO DESCRIBED AS:

THE NORTHEASTERLY 24 FEET OF LOT NINE (9) AND ALL OF LOTS TEN (10), ELEVEN (11), TWELVE (12), FORTY-ONE (41) AND FORTY-TWO (42), BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN AND THAT PORTION OF OUTLOT A MADISON SQUARE RILEY PLAT, LYING BETWEEN A LINE EXTENDED NORTHWESTERLY AND PARALLEL, TO THE LINE BETWEEN LOTS 9 AND 10 AND 24 FEET SOUTHWESTERLY THEREFROM, AND A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13, TOGETHER WITH A RIGHT OF WAY 20 FEET IN WIDTH ALONG THE SOUTHWESTERLY BOUNDARY OF LOTS 13 AND 40, BLOCK 313, RILEY PLAT, AND THE SOUTHWESTERLY BOUNDARY OF THAT PART OF OUTLOT A LYING BETWEEN A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13 AND A LINE EXTENDED PARALLEL THERETO AND 20 FEET NORTHEASTERLY THEREFROM, WHICH RIGHT OF WAY SHALL BE FOR THE SOLE USE AND BENEFIT OF THE OWNERS OF LOTS 12, 13, 40 AND 41, BLOCK 313, MADISON SQUARE RILEY PLAT.

TAX KEY NO.: 251/0710-063-1602-2; PROPERTY ADDRESS: 2010 PENNSYLVANIA AVENUE, MADISON, WI 53704.

PARCEL 3: LOTS THIRTEEN (13) AND FOURTEEN (14), BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, A/K/A MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, ALL OF LOTS FIFTEEN (15), SIXTEEN (16), SEVENTEEN (17), EIGHTEEN (18), NINETEEN (19) AND TWENTY (20), AND THE NORTHWEST 32 FEET OF LOTS THIRTY-THREE (33), THIRTY-FOUR (34), THIRTY-FIVE (35), THIRTY-SIX (36), THIRTY-SEVEN (37) AND THIRTY-EIGHT (38), BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, A/K/A MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

ALL OF LOTS TWENTY-ONE (21), TWENTY-TWO (22), TWENTY-THREE (23), TWENTY-FOUR (24), TWENTY-FIVE (25), TWENTY-SIX (26), TWENTY-SEVEN (27), TWENTY-EIGHT (28), TWENTY-NINE (29), THIRTY (30), THIRTY-ONE (31), THIRTY-TWO (32), THE SOUTHEASTERLY 100 FEET OF LOTS THIRTY-THREE (33), THIRTY-FOUR (34), THIRTY-FIVE (35), THIRTY-SIX (36), THIRTY-SEVEN (37), THIRTY-EIGHT (38), AND ALL OF LOTS THIRTY-NINE (39) AND FORTY (40), BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

OUTLOT B, BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, A/K/A MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN. TAX KEY NO.: 251/0710-063-1603-0; PROPERTY ADDRESS: 2030, 2034, 2076, & 2098 PENNSYLVANIA AVENUE, MADISON, WI 53704.

CURVE TABLE with columns: CURVE, LENGTH, RADIUS, CHORD, CHORD BEARING

BENCHMARKS table with columns: BENCH MARK, ELEVATION, DESCRIPTION

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

NOTES

- 1. THE RIGHT-OF-WAY FOR E. JOHNSON STREET, N. FIRST STREET, N. SECOND STREET, N. THIRD STREET, AND PENNSYLVANIA AVENUE HAS BEEN SHOWN PER PLAT OF RIGHT OF WAY REQUIRED NORTHPORT DR. PACKERS AVE. WIS. HWY 113, PHASE III-AMENDED SIXTH ST. TO E. JOHNSON STREET T-0219(3), SHEET 2, DATED 2-21-1967 OR PER SHEET 4.4 DATED 03-08-1966, PER TRANSPORTATION PROJECT PLAT AT 5992-09-09-4.02, RECORDED AS DOC. NO. 5392054, DANE COUNTY REGISTRY, OR PER TRP NO. 5992-09-09-4.03, RECORDED AS DOC. NO. 5392055, DANE COUNTY REGISTRY.
2. FIELD WORK PERFORMED ON NOVEMBER 20, 2025.
3. BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE ZONE, THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 06-07-10, RECORDED AS S0049'04"W.
4. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE: AMERICAN TRANSMISSION (ROGERS COMMUNICATIONS CANADA INC.), CITY OF MADISON ENGINEERING (MCI), MADISON METROPOLITAN SEWERAGE DISTRICT (WINDSTREAM), COGENT COMMUNICATIONS (LEVEL 3 NOW LUMEN).
6. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED, FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE AT 1.800.242.8511.

SURVEYOR'S CERTIFICATE

- i) CAH CO JOHNSON, LLC, A LIMITED LIABILITY COMPANY, AS TO PARCELS 1 & 2; HOOPER CORPORATION 1/K/A HOOPER CONSTRUCTION CORPORATION, A WISCONSIN CORPORATION 1/K/A C.A. HOOPER COMPANY, 1/K/A 2030 PENNSYLVANIA AVENUE CORPORATION, AS TO PARCEL 3; ii) NEW LAND ENTERPRISES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY; iii) 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, 5, 6(b), 7(b), 7(b)(1), 8, 9, 11(b), 13, 14, 16, 17, 19, AND 20 OF TABLE A THERETO. THE FIELD WORK WAS COMPLETED ON NOVEMBER 20, 2025.

Todd J. Buhr, 12-24-2025 DATE, PROFESSIONAL LAND SURVEYOR, Email: todd@jdsdinc.com, Phone: (608) 209-5284, Website: www.jdsdinc.com



CREATE THE VISION TELL THE STORY jdsdinc.com

MADISON REGIONAL OFFICE 507 WEST VERONA AVENUE, SUITE 500 VERONA, WISCONSIN 53593 P. 608.848.5060

CLIENT: NEW LAND ENTERPRISES

CLIENT ADDRESS: 1840 NORTH FARWELL AVE, STE A MILWAUKEE, WI 53202

PROJECT: HOOPER SITE

PROJECT LOCATION: 1902-2098 PENNSYLVANIA AVENUE, MADISON, DANE COUNTY WISCONSIN 53704

Prepared/Checked By: [Signature] INT: CMBUM SHEET TITLE: ALTA/NSPS LAND TITLE SURVEY

SHEET NUMBER: 1 OF 2

PROJECT NO: 25-10005



SCALE IN FEET
30' 0 30'

MODIFICATIONS:

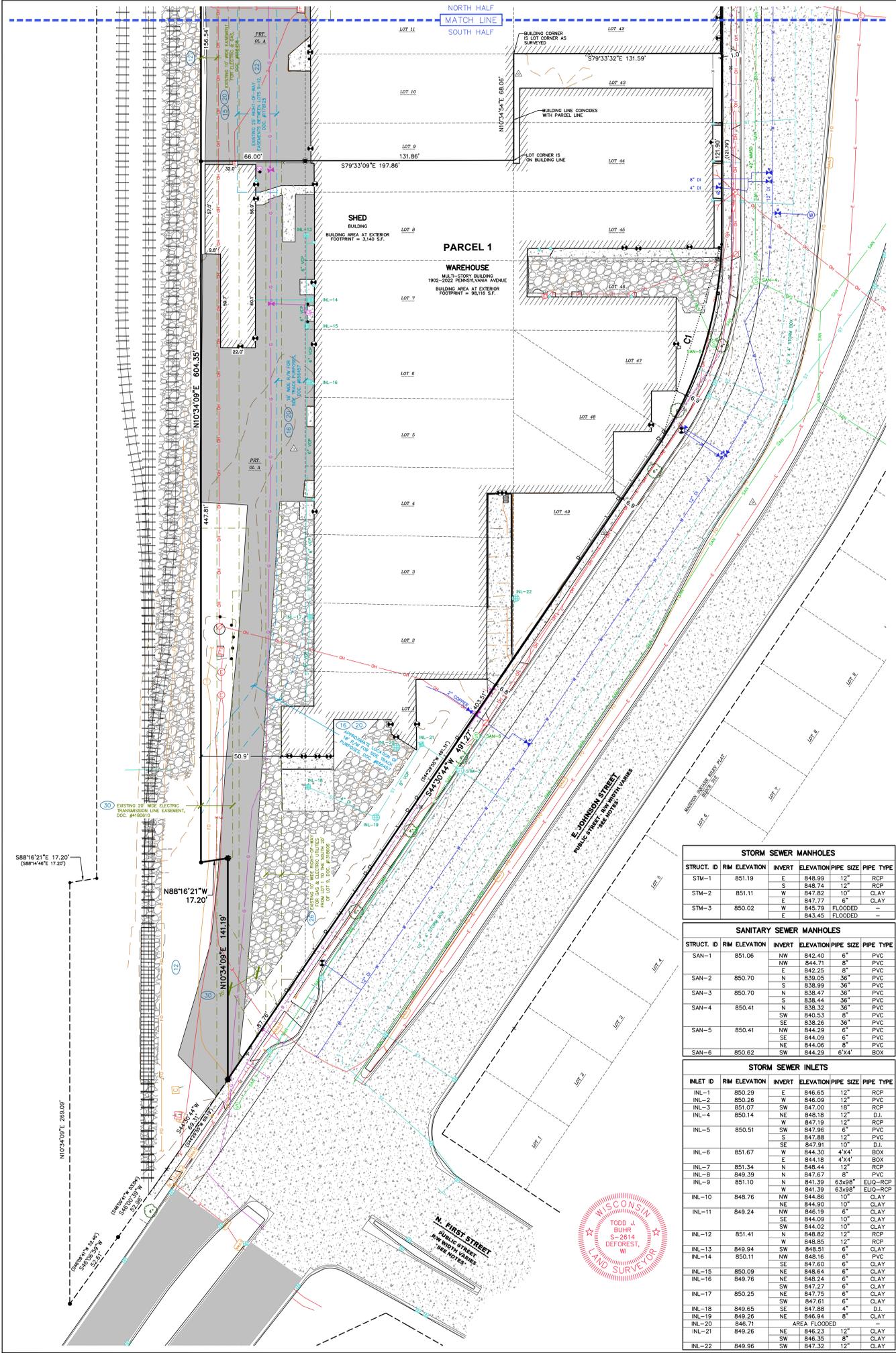
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Prepared/Checked by: CDM/JM

SHEET TITLE:
**ALTA/NSPS LAND
TITLE SURVEY**

SHEET NUMBER:
2 OF 2

PROJECT NO: 25-10003



STORM SEWER MANHOLES

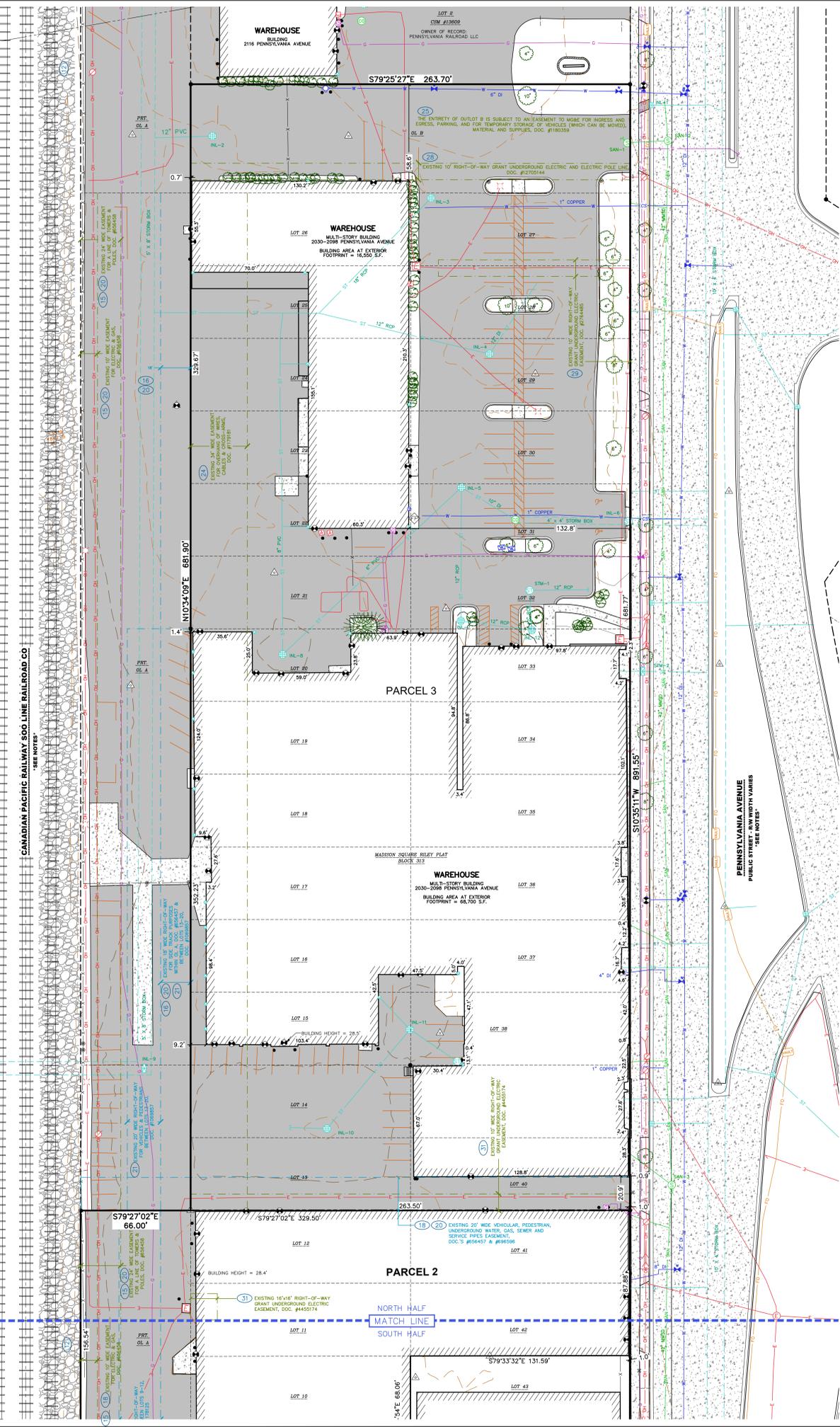
STRUCT. ID	RIM ELEVATION	INVERT ELEVATION	PIPE SIZE	PIPE TYPE
STM-1	851.19	E 848.99	12"	RCP
STM-2	851.11	W 848.74	12"	RCP
STM-3	850.02	W 845.79	6"	FLOODED
STM-3	850.02	E 843.45	6"	FLOODED

SANITARY SEWER MANHOLES

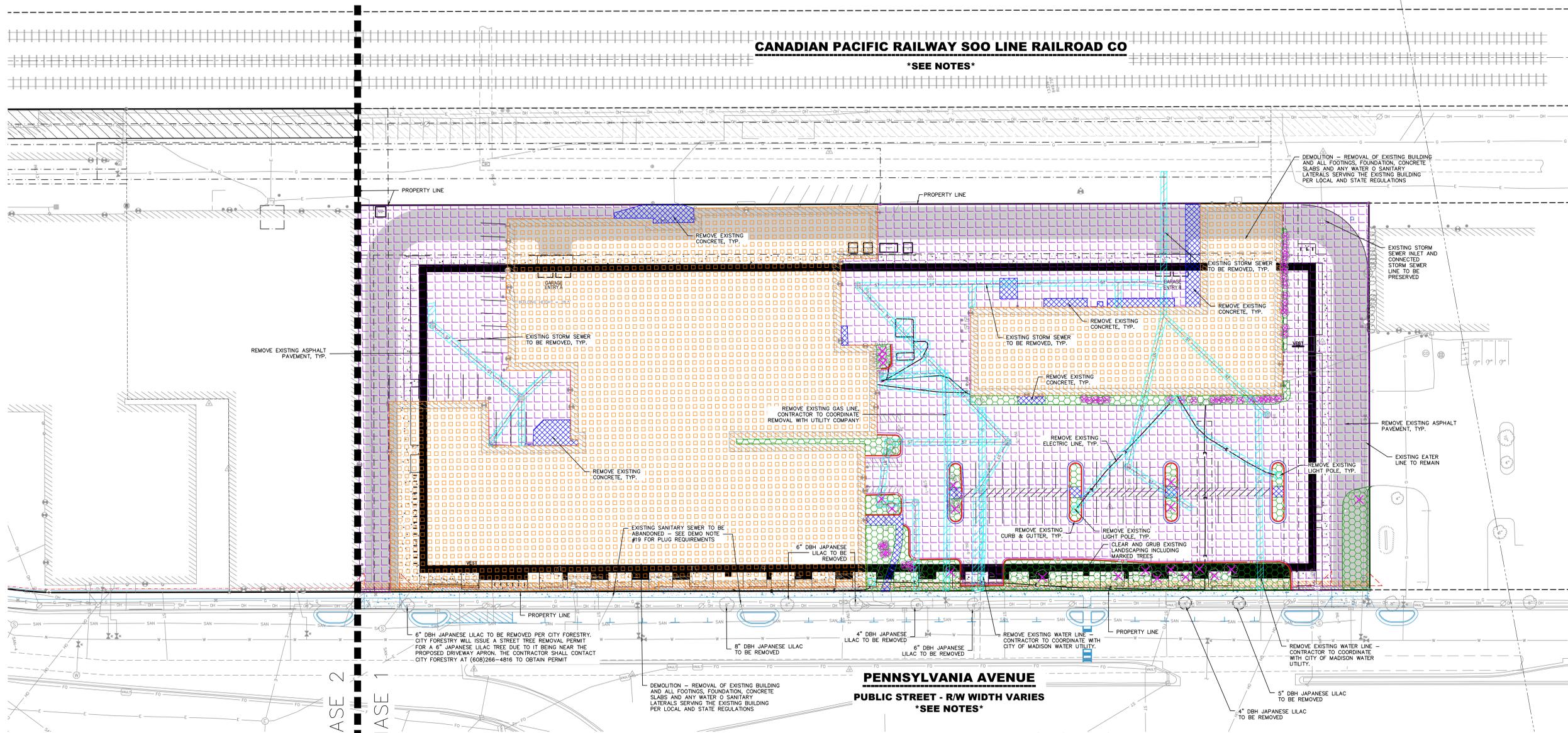
STRUCT. ID	RIM ELEVATION	INVERT ELEVATION	PIPE SIZE	PIPE TYPE
SAN-1	851.06	NW 842.40	8"	PVC
SAN-1	851.06	NE 844.71	8"	PVC
SAN-1	851.06	E 842.25	8"	PVC
SAN-2	850.70	N 839.05	36"	PVC
SAN-3	850.70	N 838.47	36"	PVC
SAN-4	850.41	S 838.44	36"	PVC
SAN-4	850.41	N 838.32	36"	PVC
SAN-4	850.41	SW 840.53	8"	PVC
SAN-4	850.41	SE 838.26	36"	PVC
SAN-5	850.41	NW 844.29	6"	PVC
SAN-5	850.41	SE 844.06	8"	PVC
SAN-6	850.62	SW 844.29	6'x4'	BOX

STORM SEWER INLETS

INLET ID	RIM ELEVATION	INVERT ELEVATION	PIPE SIZE	PIPE TYPE
INL-1	850.29	E 846.65	12"	RCP
INL-2	850.26	W 846.09	12"	PVC
INL-3	851.07	SW 847.00	18"	RCP
INL-4	850.14	NE 846.18	12"	D.I.
INL-4	849.26	W 847.19	12"	RCP
INL-5	850.51	SW 847.96	6"	PVC
INL-5	850.51	S 847.88	12"	PVC
INL-5	850.51	SE 847.91	10"	D.I.
INL-6	851.67	W 844.30	4'x4'	BOX
INL-7	851.34	N 848.44	12"	RCP
INL-8	849.39	N 847.67	8"	PVC
INL-9	851.10	N 841.39	6'x9.6"	ELO-RCP
INL-9	851.10	W 841.39	6'x9.6"	ELO-RCP
INL-10	848.76	NW 844.86	10"	CLAY
INL-10	848.76	NE 844.90	10"	CLAY
INL-11	849.24	NW 846.19	6"	CLAY
INL-11	849.24	SE 844.09	10"	CLAY
INL-12	851.41	N 848.82	12"	RCP
INL-13	849.94	SW 848.51	6"	CLAY
INL-14	850.11	NW 848.16	6"	PVC
INL-15	850.09	NE 848.64	6"	CLAY
INL-16	849.76	NE 848.24	6"	CLAY
INL-17	850.25	SW 847.27	6"	CLAY
INL-17	850.25	NE 847.79	6"	CLAY
INL-17	850.25	SW 847.61	6"	CLAY
INL-18	849.85	SE 847.88	4"	D.I.
INL-19	849.26	NE 846.35	8"	CLAY
INL-20	846.71	AREA FLOODED	8"	CLAY
INL-21	849.26	NE 846.23	12"	CLAY
INL-22	849.96	SW 847.32	12"	CLAY



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CANADIAN PACIFIC RAILWAY SOO LINE RAILROAD CO
 SEE NOTES

PENNSYLVANIA AVENUE
 PUBLIC STREET - R/W WIDTH VARIES
 SEE NOTES

DEMOLITION NOTES

- THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE. "DIGGERS HOTLINE" LOCATION AND GENERAL "STANDARD OF CARE" THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVEGROUND OBSERVATION OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE, AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
- CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION-RELATED DIRT, DUST, AND DEBRIS.
- ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. STUMPS MAY BE GROUNDED TO PROPOSED SUBGRADE IN GRASSY AREAS ONLY UNLESS DIRECTED BY ENGINEER.
- ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION, COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- ABANDONED/REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED.
- CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES THAT WERE DAMAGED BY THE CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO:
 - EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - VERIFY UTILITY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - NOTIFY ALL UTILITIES OWNERS PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - NOTIFY THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
- ANY UTILITIES THAT ARE DAMAGED BY THE CONTRACTORS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE PRIVATE UTILITY REMOVAL/ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED JURISDICTIONS RECYCLING PLAN.
- ANY CONTAMINATED SOILS ENCOUNTERED SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROPRIATE AND APPROVED LANDFILL.
- ALL EXISTING UTILITIES SHALL BE FIELD LOCATED AND CLEARLY MARKED BY CONTRACTOR PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING UTILITY LINE LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING UTILITY LINE OPENINGS (ULO) TO CONFIRM LOCATIONS OR ELEVATIONS, AS REQUESTED BY THE ENGINEER.
- SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24 OF THE STANDARD SPECIFICATIONS AND JURISDICTIONAL SPECIFICATIONS.
- WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS AND JURISDICTIONAL SPECIFICATIONS.
- ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENTS FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST, AND DEBRIS.
- BUILDING REMOVALS SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR. CONTRACTOR SHALL FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS, AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE AND APPROVED LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURNED OR BURIED ONSITE.
- CONTRACTOR SHALL REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACKFILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
- RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHALL BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION, AND REMOVAL. THIS INCLUDES CURB AND GUTTER, SIDEWALK, TOPSOIL, SEEDING, AND MULCHING.
- THE CONTRACTOR (OR OWNER'S REPRESENTATIVE) SHALL OBTAIN A PERMIT TO PLUG EACH EXISTING SANITARY SEWER LATERAL THAT SERVES THE EXISTING BUILDING BEING DEMOLISHED. PERMIT APPLICATION AND FEES ARE REQUIRED FOR EACH LATERAL TO BE PLUGGED.

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- DEMOLITION - REMOVAL OF ONSITE CURB SURFACES AND BASE COURSE
- DEMOLITION - PAVEMENT MILL AND OVERLAY
- DEMOLITION - REMOVAL OF RETAINING WALL
- DEMOLITION - REMOVAL OF ASPHALT SURFACES
- DEMOLITION - REMOVAL OF CONCRETE SURFACES
- DEMOLITION - REMOVAL OF BUILDINGS/STRUCTURES
- DEMOLITION - REMOVAL OF UTILITIES
- DEMOLITION - REMOVAL OF LANDSCAPE BEDDING
- TREE REMOVAL
- SHRUB REMOVAL
- PROTECT EXISTING TREE

CITY TRAFFIC ENGINEERING NOTES

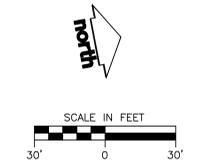
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDED PLAN BY TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENT

PUBLIC IMPROVEMENTS NOTES

- ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY OR CONNECTIONS TO CITY OWNED UTILITIES SHALL BE COMPLETED PER THE CITY ISSUED IMPROVEMENTS PLAN (CONTRACT NO. XXXX, PROJECT NO. XXXX)

WORK-IN-ROW NOTES

- ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK IN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO BE PREQUALIFIED WITH THE CITY OF MADISON. PREQUALIFICATION FORMS ARE AVAILABLE ON THE CITY'S WEBSITE AT: <https://www.cityofmadison.com/engineering/developers-contractors/contractor-how-to-get-prequalified>
- THE CONTRACTOR IS REQUIRED TO OBTAIN A CITY PERMIT TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY.
- ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY OR CONNECTIONS TO CITY OWNED UTILITIES SHALL BE COMPLETED PER THE CITY ISSUED IMPROVEMENTS PLAN (CONTRACT NO. XXXX, PROJECT NO. XXXX). IMPROVEMENTS PROPOSED WITHIN THE RIGHT-OF-WAY ON THE HUB - ULOM VILLAGER ON PARK PRIVATE DEVELOPMENT DRAWINGS ARE SHOWN FOR REFERENCE ONLY. CITY ISSUED PLANS GOVERN.



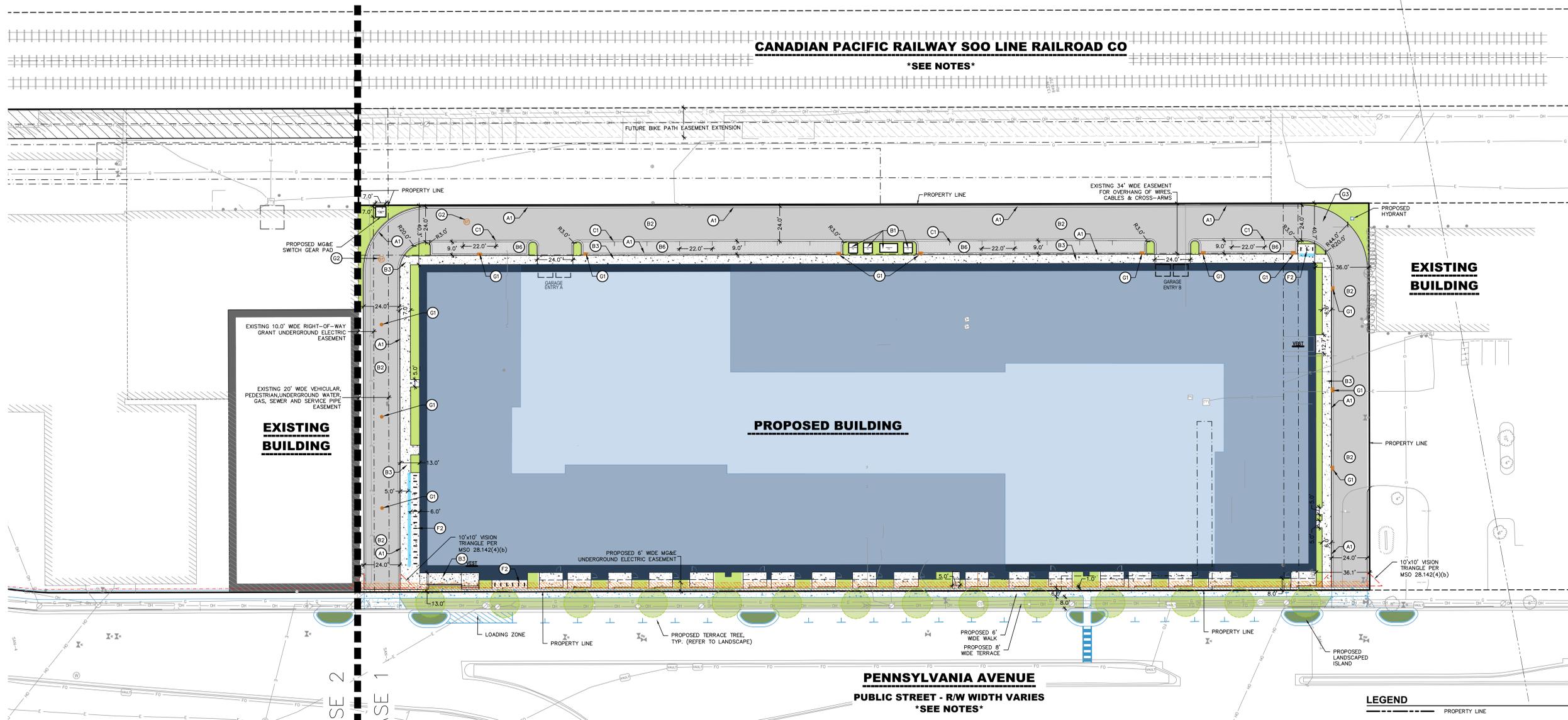
PLAN MODIFICATIONS:

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1	01/05/2026	LAND USE/DC SUBMITTAL
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Designed By: PJS
 Reviewed By: CAJ
 Approved By:
 SHEET TITLE:
DEMO PLAN - PHASE 1

SHEET NUMBER:
C1.0





CANADIAN PACIFIC RAILWAY SOO LINE RAILROAD CO

SEE NOTES

PROPOSED BUILDING

EXISTING BUILDING

EXISTING BUILDING

PENNSYLVANIA AVENUE
 PUBLIC STREET - R/W WIDTH VARIES
 SEE NOTES

GENERAL NOTES

- PROPOSED SITE DEVELOPMENT WILL RESULT IN A DECREASE OF IMPERVIOUS SURFACE AND WILL DISTURB 4.125 ACRES TRIGGERING THE CITY OF MADISON STORMWATER ORDINANCE REQUIREMENT STORMWATER MANAGEMENT WILL BE HANDLED ON-SITE BY PERMEABLE PAVERS AND UNDERGROUND DETENTION FACILITY
- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- ALL WORK IN THE RIGHT-OF-WAY AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, JURISDICTIONAL SPECIFICATIONS, AND APPROVED BY THE JURISDICTION HAVING AUTHORITY.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- ANY REFERENCES TO THE TERMS OR ENTITY ABBREVIATIONS IN THE FOLLOWING NOTES AND SPECIFICATIONS SHALL BE UNDERSTOOD AS FOLLOWS:
- "JURISDICTION" - THE LOCAL GOVERNMENTAL AGENCY (I.E. CITY, VILLAGE, TOWN, COUNTY, STATE, OR UTILITY SERVICE PROVIDER) HAVING AUTHORITY.
- "STATE HIGHWAY SPECIFICATIONS" - STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION AND SUPPLEMENTS
- "STANDARD SPECIFICATIONS" - STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, CURRENT EDITION AND SUPPLEMENTS
- WISCONSIN DEPARTMENT OF TRANSPORTATION - "WISDOT"
- WISCONSIN DEPARTMENT OF NATURAL RESOURCES - "WDNR"
- DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES - "DPS" OR "SPS"

PAVEMENT THICKNESS NOTES

- ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION - CURRENT EDITION AND ADDENDUM, APPLICABLE CITY OF MADISON ORDINANCES, AND THE GEOTECHNICAL ENGINEERING SERVICES REPORT
- FINAL PAVEMENT DESIGN TO BE DETERMINED BY OWNER BASED ON GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER OF RECORDS RECOMMENDATIONS AS SPECIFIED IN THE SAID GEOTECHNICAL REPORT.

MINIMUM PAVEMENT STRUCTURE

- ASPHALT PAVEMENT
 - 4.0" ASPHALTIC CONCRETE (2 LIFTS, 2.5" BINDER, 1.5" SURFACE)
 - LOWER LAYER (E-1 TYPE: 19.0 mm NOMINAL SIZE)
 - UPPER LAYER (E-1 TYPE: 9.5 mm NOMINAL SIZE)
- 8" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE)
- CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
- CONCRETE SIDEWALK AND PATIO
 - 6" CONCRETE
 - 4" CRUSHED AGGREGATE BASE COURSE
 - CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.

KEY NOTES

- (A1) 18" STANDARD CURB AND GUTTER
- (B1) CONCRETE PAVEMENT
- (B2) ASPHALT PAVEMENT
- (B3) CONCRETE SIDEWALK
- (B4) ACCESSIBLE RAMP
- (B5) ACCESSIBLE WARNING DETECTOR FIELD
- (B6) PERMEABLE PAVERS
- (C1) PAVEMENT MARKING: PARKING STALL - 4" WIDE, WHITE
- (C2) PAVEMENT MARKING: DIAGONAL HATCH - SWSL/4" AT 45° @ 2'-0" O.C. WHITE
- (C3) ACCESSIBLE PARKING SPACE & SYMBOL, WHITE
- (C4) CROSSWALK MARKING - TYPE II, WHITE
- (D1) ACCESSIBLE PARKING SIGN
- (E1) MONUMENT SIGN (REFER TO ARCHITECTURAL)
- (E2) LIGHT POLE (REFER TO ELECTRICAL)
- (F1) 8" CONCRETE BOLLARD WITH SLEEVE (REFER TO DETAIL)
- (F2) BIKE RACK - MADRAX U, SURFACE MOUNTED, POWDER COATED, COLOR: XXX
- (G1) PROPOSED STORM INLET
- (G2) PROPOSED STORM MANHOLE
- (G3) EXISTING STORM INLET

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- BUILDING SETBACK LINE
- PAVEMENT SETBACK LINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- RETAINING WALL
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- BIKE RACK
- PROPOSED PUBLIC SIDEWALK IMPROVEMENT
- PROPOSED PUBLIC SIDEWALK EASEMENT
- PROPOSED ELECTRIC EASEMENT

SITE INFORMATION

PARCEL NO.	071006316030
SITE AREA	179,681 S.F. (4.125 ACRES)
NUMBER OF PARKING STALLS	
SURFACE	
STANDARD	21
ACCESSIBLE	0
SURFACE SHORT-TERM BIKE PARKING STALLS	50
SITE COVERAGE ANALYSIS	
EXISTING IMPERVIOUS SURFACE AREA	170,019 SF (3.903 ACRES)
EXISTING PERVIOUS SURFACE AREA	9,662 SF (0.222 ACRES)
PROPOSED PAVED AREA	42,029 SF (0.965 ACRES)
PROPOSED BUILDING FOOTPRINT	128,152 SF (2.942 ACRES)
PROPOSED IMPERVIOUS SURFACE AREA	170,181 SF (3.907 ACRES)
PROPOSED IMPERVIOUS SITE PERCENTAGE	95%
PROPOSED PERVIOUS SURFACE AREA	9,500 SF (0.218 ACRES)
PROPOSED PERVIOUS SITE PERCENTAGE	5%
PROPOSED NET IMPERVIOUS INCREASE	162 SF (0.004 ACRES)
PROPOSED ON VALUE	97
DISTURBED AREA	179,681 SF (4.125 ACRES)

PLAN MODIFICATIONS:

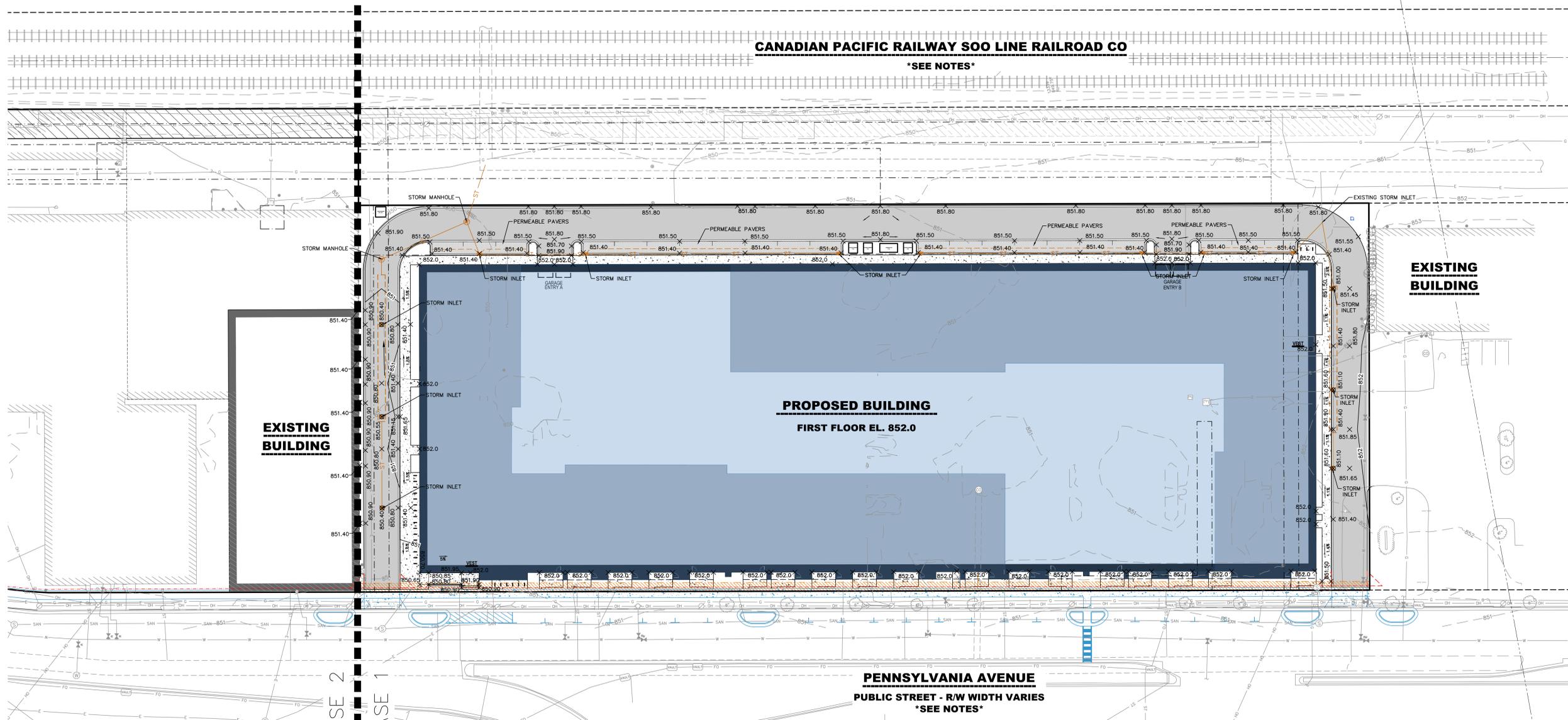
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Designed By: PJS
 Reviewed By: CAJ
 Approved By:

SHEET TITLE:
SITE PLAN - PHASE 1

SHEET NUMBER:

C2.0



CANADIAN PACIFIC RAILWAY SOO LINE RAILROAD CO
 SEE NOTES

EXISTING BUILDING

PROPOSED BUILDING
 FIRST FLOOR EL. 852.0

EXISTING BUILDING

PENNSYLVANIA AVENUE
 PUBLIC STREET - R/W WIDTH VARIES
 SEE NOTES

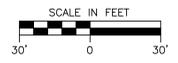
PHASE 2
 PHASE 1

GRADING AND EARTHWORK NOTES

- ALL SITE PREP AND EARTHWORK SHALL CONFORM TO THE GEOTECHNICAL REPORT. ALL REFERENCES TO THE "GEOTECHNICAL REPORT" SHALL BE UNDERSTOOD AS THE AFOREMENTIONED REPORT.
- ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY, AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST-EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
- ALL EXCAVATIONS AND FILLS SHALL BE TO THE ELEVATIONS SHOWN ON THE DRAWINGS AND SHALL INCLUDE SUFFICIENT DEPTHS FOR PLACEMENT OF FILL MATERIALS, BASE COURSES, PAVEMENTS, TOPSOIL, AND OTHER MATERIALS TO THE SPECIFIED DEPTHS.
- CONTRACTOR SHALL NOT EXCAVATE BELOW ELEVATIONS OR DESIGN GRADES SHOWN ON THE DRAWINGS WITHOUT PRIOR AUTHORIZATION FROM ENGINEER AND OWNER.
- PRIOR TO ALL EXCAVATION OR FILLING OPERATIONS, CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TOPSOIL FROM PROPOSED LOCATIONS OF BUILDINGS, STRUCTURES, ROADS, WALKS, OTHER PAVED AREAS, STORM WATER FACILITIES OR WITHIN THE GRADING EXTENTS WHERE EXISTING GRADES ARE ALTERED BY MORE THAN 3". REMOVED OR STRIPPED TOPSOIL SHALL BE SEGREGATED AND STOCKPILED ON-SITE IN AN APPROPRIATE LOCATION TO BE RESPREAD AS SPECIFIED ON THE DRAWINGS.
- CONTRACTOR SHALL NOT PLACE ANY FILL OR OTHER MATERIALS ON AREAS THAT HAVE NOT HAD TOPSOIL REMOVED, ARE FROZEN, SATURATED, OR YIELDING. CONTRACTOR SHALL NOTIFY OWNER OR ENGINEER IF SUBGRADE CONDITIONS ARE NOT SUITABLE. FOR SUPPORTING FILL, A FURTHER DETERMINATION SHALL BE PROVIDED BY OWNER OR ENGINEER.
- CONTRACTOR SHALL PLACE THE FILLS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT INCLUDING LIFT DEPTHS AND COMPACTION EFFORTS.
- PRIOR TO PLACEMENT OF BASE COURSE MATERIALS IN PAVEMENT OR HARD SURFACE AREAS OR CONDUCTING EXCAVATION BELOW SUBGRADE (EBS) ELEVATIONS, CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER TO CONDUCT AN INSPECTION OF THE PREPARED SUBGRADE AND PROOF-ROLLING. PROOF-ROLLING SHALL BE CONDUCTED BY THE CONTRACTOR IN WITNESS OF THE OWNER AND ENGINEER. OWNER AND ENGINEER SHALL DETERMINE IF AREAS OF EBS ARE REQUIRED. EBS SHALL BE COMPLETED BY THE CONTRACTOR PER THE DIRECTION OF THE OWNER AND ENGINEER.
- SOIL MATERIAL SPECIFICATIONS.
 - FILL AND BACKFILL MATERIALS
 - MATERIAL SHALL BE SATISFACTORY. MATERIALS EXCAVATED FROM THE SITE, PER THE GEOTECHNICAL REPORT, IF SATISFACTORY MATERIALS ARE NOT AVAILABLE ON-SITE OR ADDITIONAL MATERIALS ARE REQUIRED, REFER TO IMPORTED FILL MATERIAL SPECIFICATIONS.
 - IMPORTED FILL MATERIAL
 - MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR FROM OFFSITE BORROW AREAS WHEN SUFFICIENT. SATISFACTORY MATERIALS ARE NOT AVAILABLE ON-SITE. IMPORTED FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND CONSIST OF CLEAN MATERIAL OF INORGANIC SOILS OR A MIXTURE OF INORGANIC SOIL AND ROCK, STONE, OR GRAVEL. THE MATERIAL SHALL BE FREE OF TOPSOIL, VEGETATION, PAVEMENT RUBBLE, DEBRIS, OR OTHER DELETERIOUS MATERIALS. THE MAXIMUM NOMINAL DIMENSION OF MATERIALS CONSISTING OF ROCK, STONE, OR GRAVEL SHALL BE 6".
 - GRANULAR FILL
 - MATERIAL SHALL CONSIST OF CLEAN MATERIAL MEETING THE REQUIREMENTS OF "GRADE 1" OR "GRADE 2" GRANULAR BACKFILL AS DEFINED IN SECTION 209.2.1 OF THE STATE HIGHWAY SPECIFICATIONS.

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- 8" CONCRETE RIBBON CURB
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- 851 --- PROPOSED 1 FOOT CONTOUR
- 850 --- PROPOSED 5 FOOT CONTOUR
- 851 --- EXISTING 1 FOOT CONTOUR
- 850 --- EXISTING 5 FOOT CONTOUR
- DRAINAGE DIRECTION
- GRADE BREAK
- RETAINING WALL
- BOULDER WALL
- RAILING
- SPOT ELEVATION
 PROPOSED - 852.00
 EXISTING - EX: 852.00±
- PROPOSED PUBLIC SIDEWALK IMPROVEMENT
- PROPOSED PUBLIC SIDEWALK EASEMENT
- PROPOSED ELECTRIC EASEMENT



PLAN MODIFICATIONS:

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1	01/05/2026	LAND USE/UDC SUBMITTAL
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Designed By: PJS
 Reviewed By: CAJ
 Approved By:

SHEET TITLE:
GRADING PLAN - PHASE 1

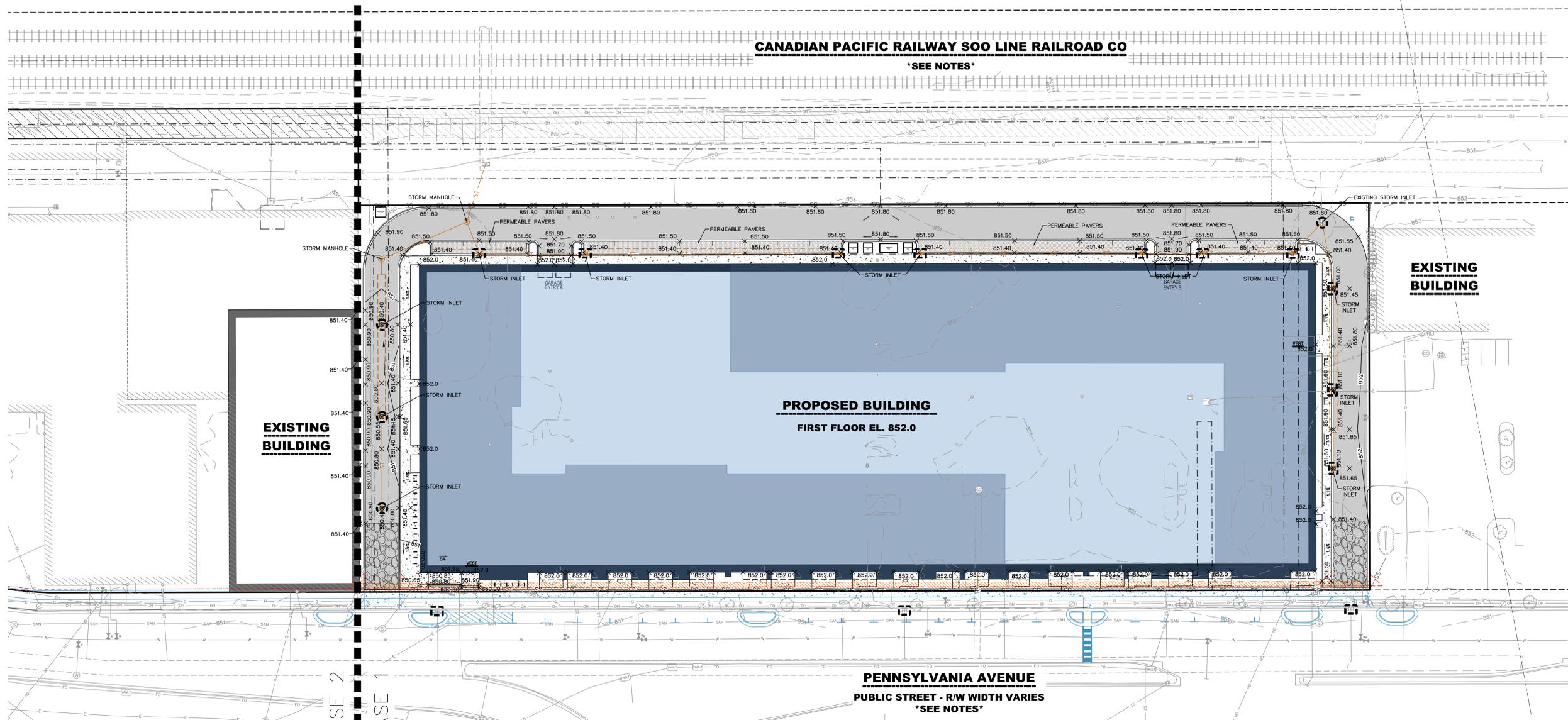
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CANADIAN PACIFIC RAILWAY SOO LINE RAILROAD CO

SEE NOTES



EXISTING BUILDING

PROPOSED BUILDING
FIRST FLOOR EL. 852.0

EXISTING BUILDING

PENNSYLVANIA AVENUE
PUBLIC STREET - R/W WIDTH VARIES
SEE NOTES

SEEDING AND RESTORATION NOTES

- CONTRACTOR SHALL PROVIDE NOTICE TO THE JURISDICTIONAL AUTHORITIES IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
- ALL DISTURBED AREAS SHALL BE SOODED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOODED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
- CONTRACTOR SHALL WATER ALL NEWLY SOODED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7-DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
- ALL SLOPES 20% OR GREATER SHALL BE TEMPORARILY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE. REFER TO STABILIZATION PRACTICES IN THE EROSION CONTROL NOTES FOR FURTHER SPECIFICATIONS.
- SEEDING SPECIFICATIONS:**
 - TURF LAWN SEED MIXTURE: WISDOT SEED MIX NO. 40 AT RATES SPECIFIED IN SECTION 630 OF THE STATE HIGHWAY SPECIFICATIONS.
 - LOW MAINTENANCE AREA SEED MIXTURE: WISDOT SEED MIX NO. 10 OR 20 APPLIED AT RATES AS SPECIFIED IN SECTION 630 OF THE STATE HIGHWAY SPECIFICATIONS.
 - NO-MOW AREA SEED MIXTURE: NO-MOW LAWN SEED MIX, AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53984. TEL. 608-296-3679 (OR APPROVED EQUIVALENT). SEEDING RATE SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- SEED PREPARATION SPECIFICATIONS:**
 - SCARIFY SUBSOILS TO A DEPTH OF 3" WHERE TOPSOIL SHALL BE PLACED TO REDUCE COMPACTION.
 - PLACE TOPSOIL AT A MINIMUM DEPTH OF 6" UNLESS OTHERWISE NOTED ON THE PLANS.
 - APPLY FERTILIZER IN ACCORDANCE WITH SEED MIX MANUFACTURER'S RECOMMENDATIONS.
 - SOW SEED AT RATES SPECIFIED USING METHOD "A" OR METHOD "B" AS SPECIFIED IN SECTION 630 OF THE STATE HIGHWAY SPECIFICATIONS.
- SEED MULCHING/EROSION MATTING SPECIFICATIONS:**
 - ALL SEEDED AREAS WITH SLOPES FLATTER THAN 4:1, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL BE STABILIZED WITH WEED-FREE WHEAT STRAW MULCH WITH METHODS AND RATES IN ACCORDANCE WITH SECTION 627 OF THE STATE HIGHWAY SPECIFICATIONS.
 - ALL SEEDED AREAS WITH SLOPES EQUAL TO OR STEEPER THAN 4:1, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL BE STABILIZED WITH EROSION MATTING MATERIALS AS SPECIFIED ON THE PLANS. EROSION MATTING SHALL BE IN ACCORDANCE WITH SECTION 628 OF THE STATE HIGHWAY SPECIFICATIONS.

EROSION CONTROL NOTES

- CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS.
- ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH WDMR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
- INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE, AND EXISTING INLET PROTECTION) PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE COVER. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO WDMR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE JURISDICTIONAL AUTHORITIES PRIOR TO DEVIATION OF THE APPROVED PLAN.
- ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY JURISDICTIONS HAVING AUTHORITY AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
- INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
- ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5". ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRE-APPROVED BY THE JURISDICTION. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" SELECTED CRUSHED. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT OFF-SITE AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
- PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT, AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE JURISDICTIONAL AUTHORITIES.
- INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLETS OF ALL INSTALLED STORM SEWER. STONE DITCH CHECKS/FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
- INSTALL EROSION CONTROL ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
- EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
 - 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 THE WDMR DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
- ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS OR APPLICATION OF A WISDOT APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF. AS REQUIRED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS. EROSION MATTING AND/OR NETTING USED ON-SITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDMR TECHNICAL STANDARDS 1052 AND 1053.
- CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDMR TECHNICAL STANDARD 1068.
- A CONCRETE WASHOUT AREA SHALL BE DESIGNATED ON-SITE. CONTRACTOR SHALL USE PRE-MANUFACTURED ABOVE GROUND WASHOUT TOTE OR EQUIVALENT CONTAINMENT AREA FOR ALL CONCRETE WASTE. CONCRETE WASTE SHALL ONLY BE CONTAINED IN ABOVE GROUND PRE-FABRICATED CONTAINERS OR CONSTRUCTED CONTAINMENT AREA AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FREQUENTLY DISPOSE OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS TO MAINTAIN THE SYSTEMS EFFECTIVENESS.
- 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 CEASED UNLESS:
 - THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED OR IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY 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.
- STABILIZATION MEASURES SHALL BE DETERMINED BASED ON-SITE CONDITIONS WHEN CONSTRUCTION ACTIVITY HAS CEASED INCLUDING, BUT NOT LIMITED TO, WEATHER CONDITIONS AND LENGTH OF TIME THE MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
 - PERMANENT SEEDING, IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION.
 - TEMPORARY SEEDING, MAY CONSIST OF SPRING OATS (100 LBS/ACRE) IN SPRING/SUMMER OR WHEAT OR CEREAL RYE (150 LBS/ACRE) IN FALL.
 - HYDRO-MULCHING WITH A TACKIFIER.
 - WOVEN AND NON-WOVEN GEOTEXTILES.
 - EROSION MATTING.
 - SODDING.
 - OTHER MEASURES AS APPROVED BY THE ENGINEER.
- EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A CONTIGUOUS DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
- CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDMR REQUIREMENTS AND/OR REQUEST FOR PERMIT CLOSURE IN ACCORDANCE WITH JURISDICTION PERMIT AND SPECIFICATION REQUIREMENTS.

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REFLECT CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- PERMEABLE PAVERS
- 851 PROPOSED 1 FOOT CONTOUR
- 850 PROPOSED 5 FOOT CONTOUR
- 851 EXISTING 1 FOOT CONTOUR
- 850 EXISTING 5 FOOT CONTOUR
- GRADE BREAK
- SILT FENCE
- SILT SOCK
- CONSTRUCTION ENTRANCE
- SPOT ELEVATION
- INLET PROTECTION
- EROSION MATTING
- PROPOSED PUBLIC SIDEWALK IMPROVEMENT
- PROPOSED PUBLIC SIDEWALK EASEMENT
- PROPOSED ELECTRIC EASEMENT



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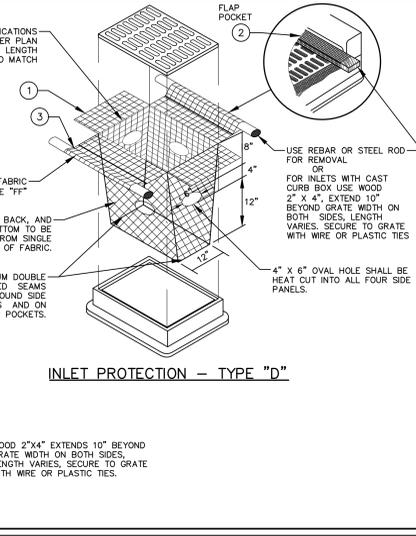
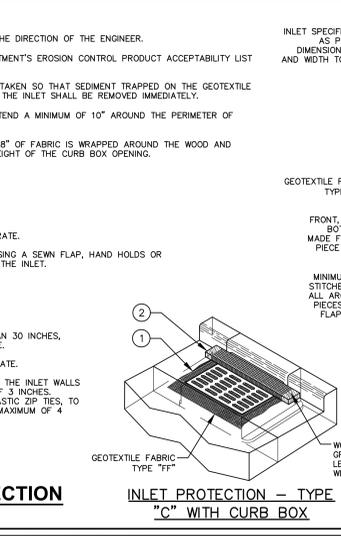
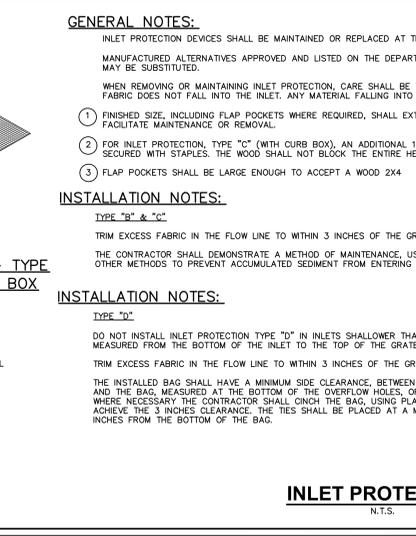
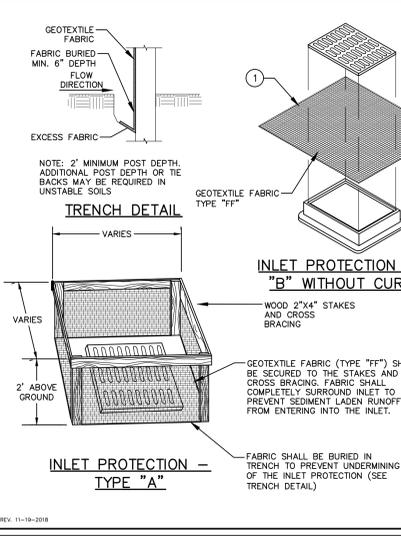
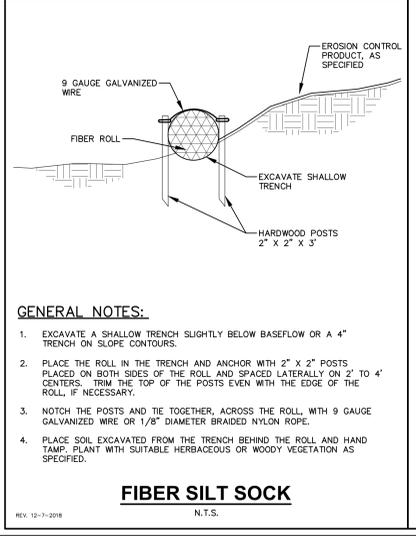
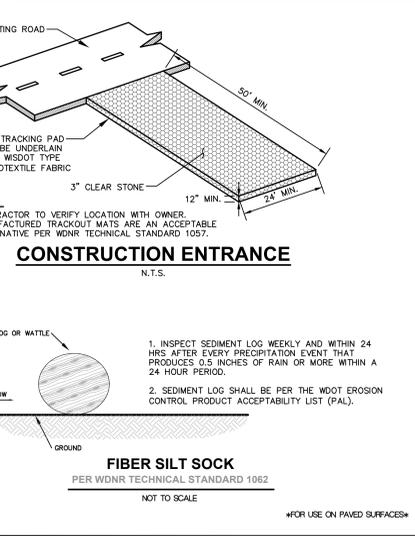
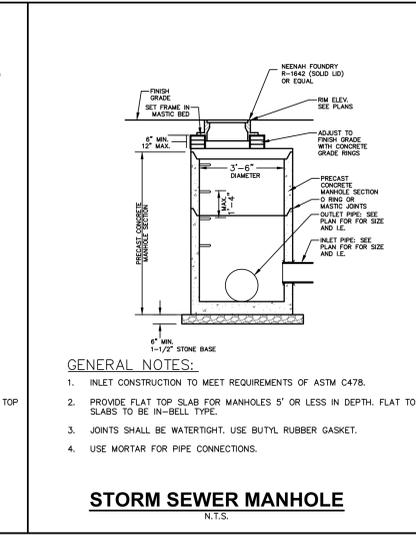
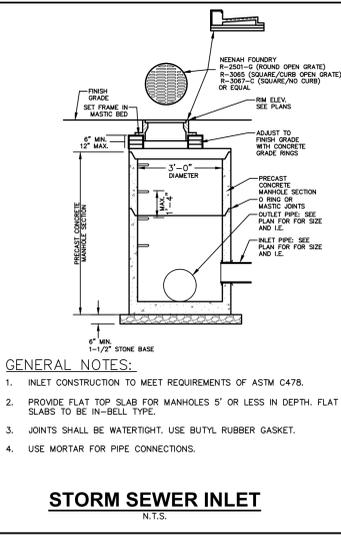
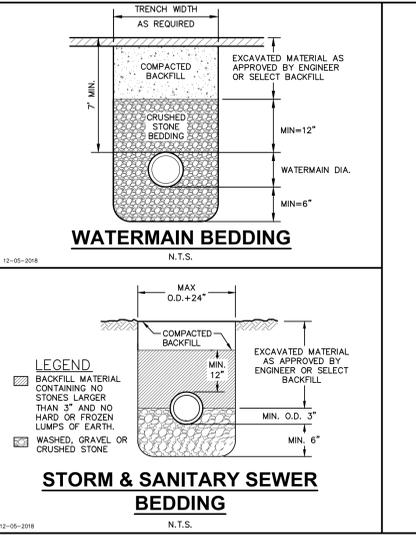
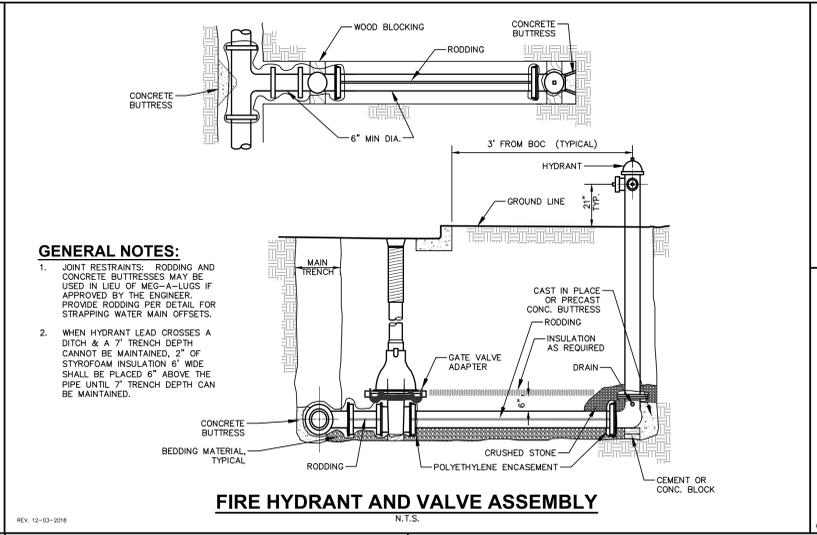
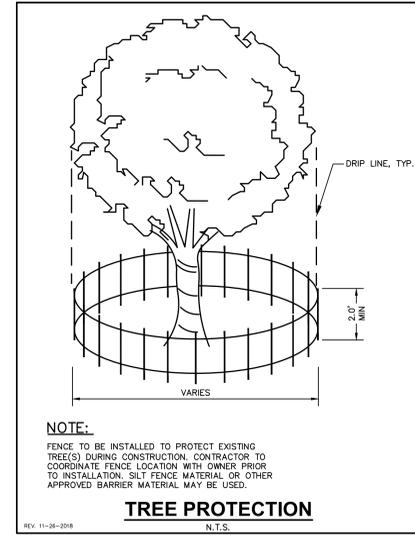
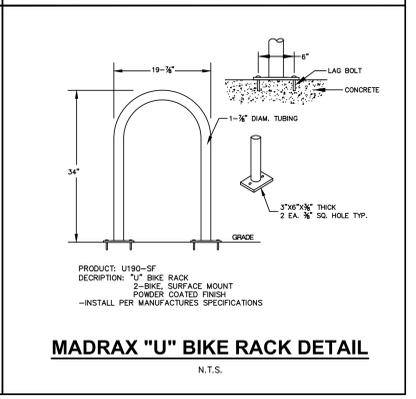
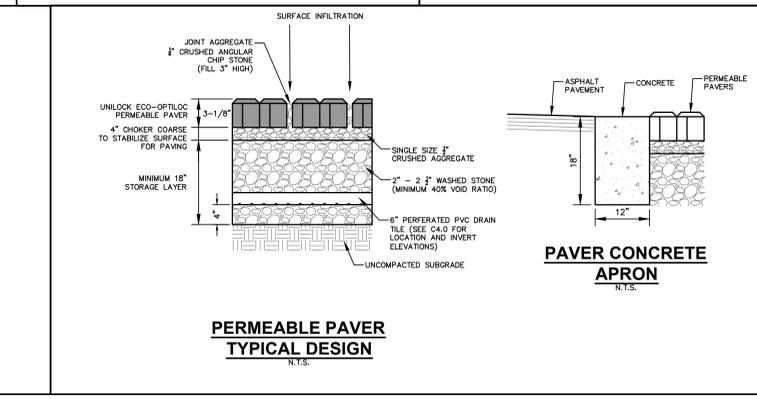
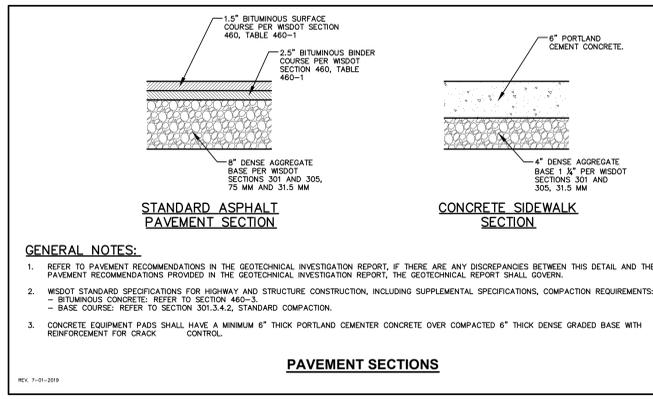
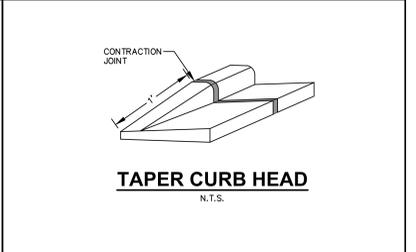
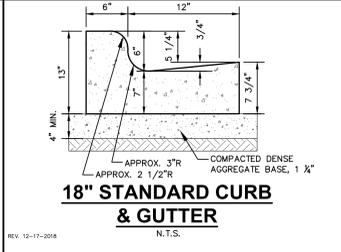
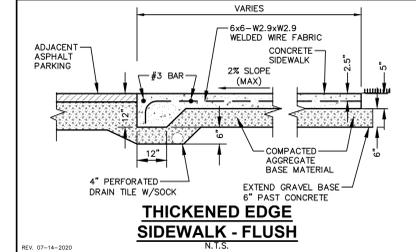
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Designed By: PJS
Reviewed By: CAJ

Approved By:
EROSION CONTROL PLAN
PHASE 1

SHEET NUMBER:
C5.0





PLAN MODIFICATIONS:

#	Date	Description
1	01/05/2026	LAND USE/UDC SUBMITTAL
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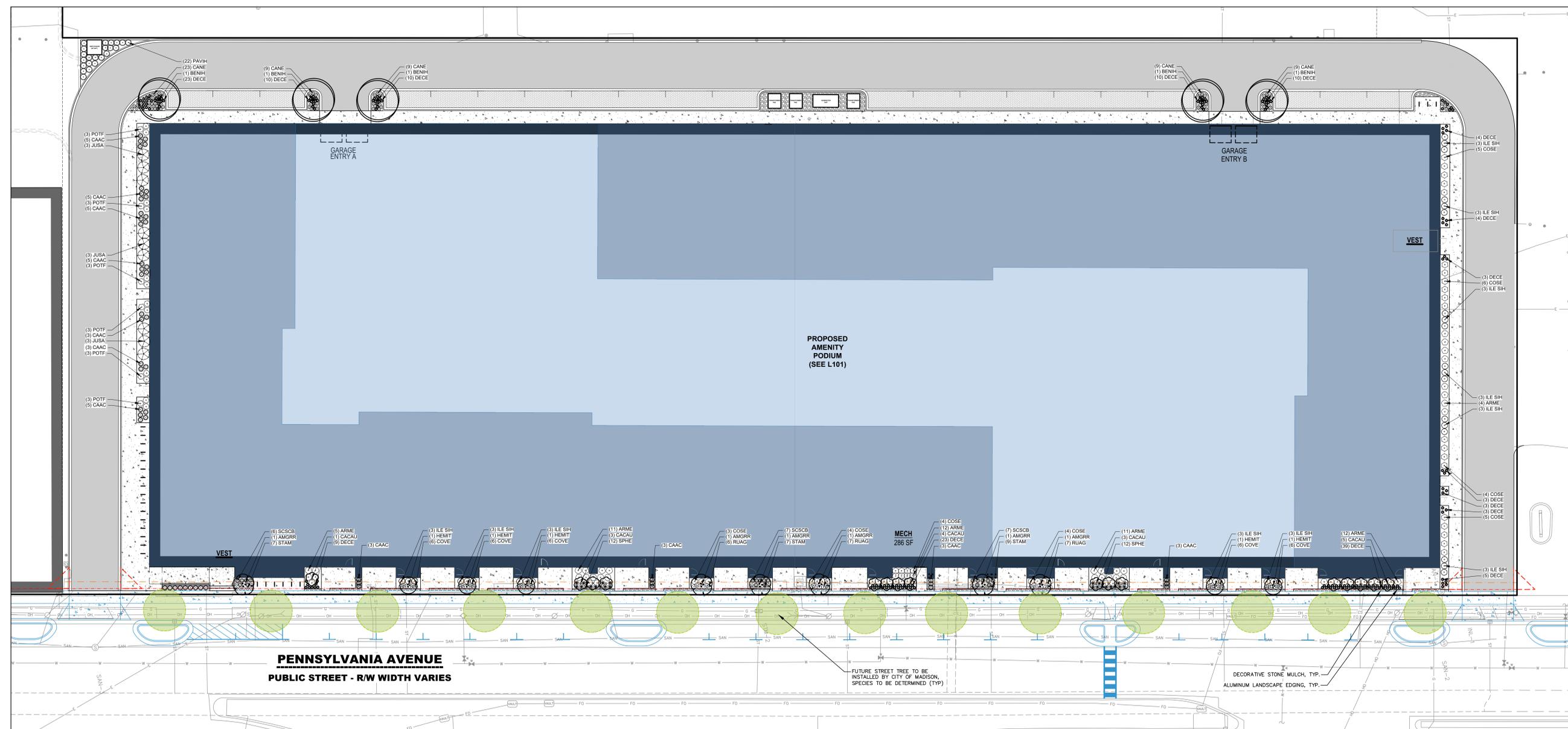
Designed By: PJS
 Reviewed By: CAJ
 Approved By:

SHEET TITLE:
 DETAILS - PHASE 1

SHEET NUMBER:
C6.0

JSD PROJECT NO: 26-16063

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PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	AMGRR	Amelanchier x grandiflora 'Robin Hill' / Robin Hill Apple Serviceberry	B & B	6' Ht. (min)	19
	CACAU	Carpinus caroliniana 'J.N. Upright' / Firespire® American Hornbeam	B & B	4' Ht. (min)	16
	HEMIT	Heptacodium miconioides 'SMNHMR' / Temple of Bloom® Seven Son Flower	B & B	8' Ht. (min)	5
OVERSTORY DECIDUOUS TREES					
	BENIH	Betula nigra 'Heritage' - Single / Heritage River Birch - Single	B & B	2.5" Cal	5
	BEPO	Betula populifolia 'Whitespire' - Single / Whitespire Birch - Single	B & B	2.5" Cal	12
UPRIGHT EVERGREEN SHRUB					
	JUCHI	Juniperus chinensis 'Iowa' / Iowa Juniper	B & B	6' Ht. (min)	7
DECIDUOUS SHRUBS					
	ARME	Aronia melanocarpa 'Morton' TM / Iroquois Beauty Black Chokeberry	#3	12" Ht. (min)	92
	CLAL	Clethra alnifolia 'Ruby Spice' / Ruby Spice Clethra	#3	18" Ht. (min)	38
	COBA	Cornus baileyi / Bailey's Red-twig Dogwood	B & B	36" Ht. (min)	16
	COSE	Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood	#3	24" Ht. (min)	59
	HYPAL	Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Hydrangea	#3	18" Ht. (min)	50
	PHOPA	Physocarpus opulifolius 'Amber Jubilee' / Amber Jubilee Ninebark	#5	24" Ht. (min)	11
	POTF	Potentilla fruticosa 'Goldfinger' / Goldfinger Bush Cinquefoil	#3	Min. 12"-24"	61

MUNICIPAL LANDSCAPE REQUIREMENTS

LANDSCAPE CALCULATIONS AND DISTRIBUTIONS
 REQUIRED LANDSCAPED AREAS SHALL BE CALCULATED BASED UPON THE TOTAL DEVELOPED AREA OF THE PROPERTY DEVELOPED AREA IS DEFINED AS THAT AREA WITHIN A SINGLE CONTIGUOUS BOUNDARY WHICH IS MADE UP OF STRUCTURES, PARKING, DRIVEWAYS AND DOCKING/LOADING FACILITIES, BUT EXCLUDING THE AREA OF ANY BUILDING FOOTPRINT AT GRADE, LAND DESIGNATED FOR OPEN SPACE USES SUCH AS ATHLETIC FIELDS, AND UNDEVELOPED LAND AREA ON THE SAME ZONING LOT. THERE ARE THREE METHODS FOR CALCULATING LANDSCAPE POINTS DEPENDING ON THE SIZE OF THE LOT AND ZONING DISTRICT.

(A) FOR ALL LOTS EXCEPT THOSE DESCRIBED IN (B) AND (C) BELOW, FIVE (5) LANDSCAPE POINTS SHALL BE PROVIDED FOR EACH THREE HUNDRED (300) SQUARE FEET OF DEVELOPED AREA.

(B) FOR LOTS LARGER THAN FIVE (5) ACRES, POINTS SHALL BE PROVIDED AT FIVE (5) POINTS PER THREE HUNDRED (300) SQUARE FEET FOR THE FIRST FIVE (5) DEVELOPED ACRES AND ONE (1) POINT PER ONE HUNDRED (100) SQUARE FEET FOR EACH ADDITIONAL ACRES.

(C) FOR THE INDUSTRIAL LIMITED (I-1) AND INDUSTRIAL GENERAL (IG) DISTRICTS, ONE (1) POINT SHALL BE PROVIDED PER ONE HUNDRED (100) SQUARE FEET OF DEVELOPED AREA.

TOTAL SQUARE FOOTAGE OF DEVELOPED AREA: 40,965 SF
TOTAL LANDSCAPE POINTS REQUIRED: 683 POINTS

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TOTAL SQUARE FOOTAGE OF DEVELOPED AREA: 40,965 SF
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PLANT TYPE/ELEMENT	MINIMUM INSTALLATION SIZE	POINTS	QUANTITY	POINTS ACHIEVED	NEW / PROPOSED LANDSCAPING	POINTS ACHIEVED
OVERSTORY DECIDUOUS TREE	2.5" CAL MIN.	35	0	0	17	595
TALL EVERGREEN TREE	5-6" TALL MIN.	35	0	0	0	0
ORNAMENTAL TREE	1.5" CAL MIN.	15	0	0	40	600
UPRIGHT EVERGREEN SHRUB	3-4" TALL MIN.	10	0	0	7	70
SHRUB, DECIDUOUS	#3 CONT., MIN. 12"-24"	3	0	0	327	981
SHRUB, EVERGREEN	#3 CONT., MIN. 12"-24"	4	0	0	130	520
ORNAMENTAL GRASS & PERENNIAL	#1 CONT., MIN. 8"-18"	2	0	0	1392	2784
ORNAMENTAL / DECORATIVE FENCING OR WALL	4 POINTS / 10 LF	.4	0	0	0	0
EXISTING SIGNIFICANT SPECIMEN TREE	14 POINTS / CAL (MAXIMUM 200 POINTS PER TREE)	14	0	0	0	0
LANDSCAPE FURNITURE	5 POINTS PER SEAT (WITHIN PUBLICLY ACCESSIBLE DEVELOPED AREAS, CANNOT COMPRISE MORE THAN 5% OF TOTAL REQUIRED POINTS)	5	0	0	0	0
SUBTOTAL						5,590
TOTAL NUMBER OF POINTS PROVIDED						5,590

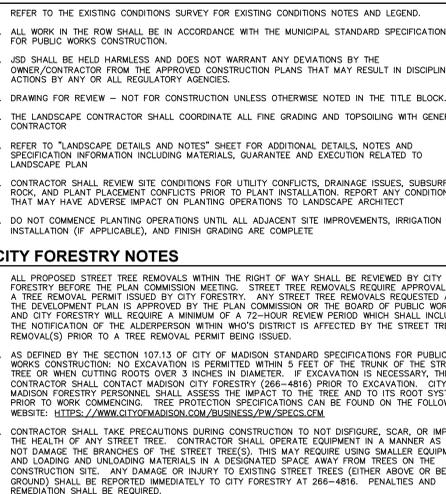
GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
- ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR.
- REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN.
- CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT.
- DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION (IF APPLICABLE), AND FINISH GRADING ARE COMPLETE.

CITY FORESTRY NOTES

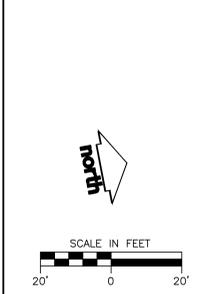
- ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHOSE DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
- AS DEFINED BY THE SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS/CFM](https://www.cityofmadison.com/business/pw/specs/cfm)
- CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
- SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPILLS OR DUMPING OF POISSONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
- ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
- STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING.
- ADDITIONAL STREET TREES ARE NEEDED FOR THIS PROJECT. TREE PLANTING SPECIFICATIONS CAN BE FOUND IN SECTION 209 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS/CFM](https://www.cityofmadison.com/business/pw/specs/cfm)) - ALL STREET TREE PLANTING LOCATIONS AND TREE SPECIES WITHIN THE RIGHT OF WAY SHALL BE DETERMINED BY CITY FORESTRY. A LANDSCAPE PLAN AND STREET TREE PLANTING PLAN SHALL BE SUBMITTED IN PDF FORMAT TO CITY FORESTRY FOR APPROVAL OF PLANTING LOCATIONS WITHIN THE RIGHT OF WAY AND TREE SPECIES. ALL AVAILABLE STREET TREE PLANTING LOCATIONS SHALL BE PLANTED WITHIN THE PROJECT BOUNDARIES.
- AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING, CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

LEGEND



PUBLIC IMPROVEMENTS NOTES

- ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY OR CONNECTIONS TO CITY OWNED UTILITIES SHALL BE COMPLETED PER THE CITY ISSUED IMPROVEMENTS PLAN (CONTRACT NO. XXXX, PROJECT NO. XXXX)

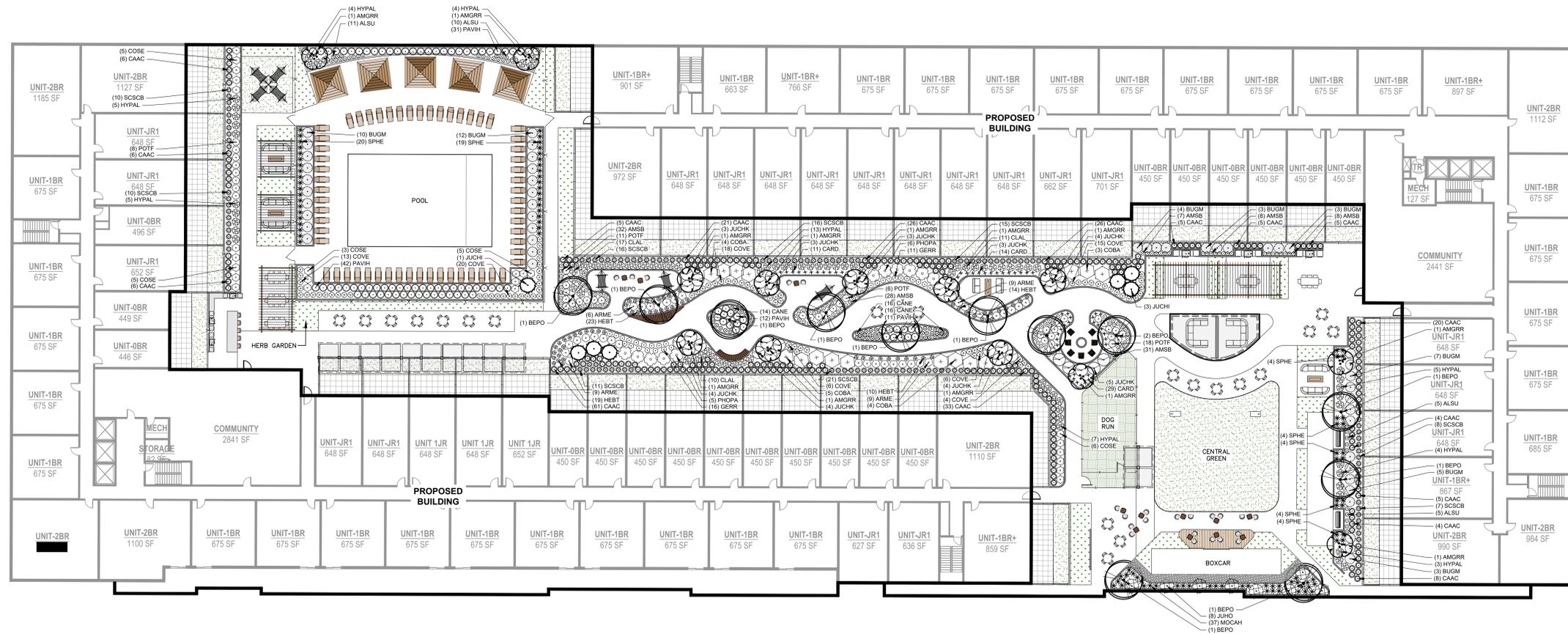


PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
2		
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Designed By: MWS/MRA
 Reviewed By: KJN
 Approved By: KJN
SHEET TITLE:
LANDSCAPE PLAN - PHASE 1

SHEET NUMBER:
L100



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	AMGRR	Amelanchier x grandiflora 'Robin Hill' / Robin Hill Apple Serviceberry	B & B	6' Ht. (min)	19
	CACAU	Carpinus caroliniana 'J.N. Upright' / Firespire® American Hornbeam	B & B	4' Ht. (min)	16
	HEMT	Heptacodium miconioides 'SMNHMRF' / Temple of Bloom® Seven Son Flower	B & B	8' Ht. (min)	5
OVERSTORY DECIDUOUS TREES					
	BENIH	Betula nigra 'Heritage' - Single / Heritage River Birch - Single	B & B	2.5' Cal	5
	BEPO	Betula populifolia 'Whitespire' - Single / Whitespire Birch - Single	B & B	2.5' Cal	12
UPRIGHT EVERGREEN SHRUB					
	JUCHI	Juniperus chinensis 'Iowa' / Iowa Juniper	B & B	6' Ht. (min)	7
DECIDUOUS SHRUBS					
	ARME	Aronia melanocarpa 'Morton' TM / Iroquois Beauty Black Chokeberry	#3	12" Ht. (min)	92
	CLAL	Clethra alnifolia 'Ruby Spice' / Ruby Spice Clethra	#3	18" Ht. (min)	38
	COBA	Cornus baileyi / Bailey's Red-twig Dogwood	B & B	36" Ht. (min)	16
	COSE	Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood	#3	24" Ht. (min)	59
	HYPAL	Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Hydrangea	#3	18" Ht. (min)	50
	PHOPA	Physocarpus opulifolius 'Amber Jubilee' / Amber Jubilee Ninebark	#5	24" Ht. (min)	11
	POTF	Potentilla fruticosa 'Goldfinger' / Goldfinger Bush Cinquefoil	#3	Min. 12"-24"	61
EVERGREEN SHRUBS					
	BUGM	Buxus x 'Green Mountain' / Green Mountain Boxwood	B & B	18" Ht. (min)	47
	ILESIH	Ilex glabra 'LEXFARROWTRACEY' / Strongbox® Inkberry Holly	#5	Min. 24"	33
	JUCHK	Juniperus chinensis 'Kallays Compacta' / Kally Pfizer Compact Juniper	#5	18" Dia. (min)	33
	JUHO	Juniperus horizontalis 'Wiltoni' / Blue Rug Juniper	#5	18" Dia. (min)	8
	JUSA	Juniperus sabina 'Mini-Arcadia' / Mini Arcadia Juniper	#5	24" Dia. (min)	9
PERENNIALS & GRASSES					
	ALSU	Allium x 'Summer Beauty' / Summer Beauty Allium	#1	Min. 8"-18"	31
	AMSB	Amsonia x 'Blue Ice' / Blue Ice Bluestar	#1	Min. 8"-18"	114
	CAAC	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	#1	Min. 8"-18"	298
	CANE	Calamintha nepeta 'Montrose White' / Montrose White Catmint	#1	Min. 8"-18"	109
	CARD	Carex radiata / Eastern Star Sedge	#1	Min. 8"-18"	54
	COVE	Coreopsis verticillata 'Zagreb' / Zagreb Tickseed	#1	Min. 8"-18"	112
	DECE	Deschampsia cespitosa 'Goldtau' / Gold Dew Tufted Hair Grass	#1	Min. 8"-18"	166
	GERR	Geranium x 'Rozanne' / Rozanne Cranesbill	#1	Min. 8"-18"	27
	HEBT	Heuchera x 'Berry Timeless' / Berry Timeless Coral Bells	#1	Min. 8"-18"	66
	MOCAH	Molinia caerulea 'Heidebraut' / Heidebraut Moor Grass	#1	Min. 8"-18"	37
	PAVIH	Panicum virgatum 'Heavy Metal' / Heavy Metal Switch Grass	#1	Min. 12"-24"	118
	RUAG	Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower	#1	Min. 8"-18"	20
	SCSCB	Schizachyrium scaparium 'MinnblueA' / Blue Heaven® Little Bluestem	#1	Min. 8"-18"	134
	SPHE	Sporobolus heterolepis / Prairie Dropseed	#1	Min. 8"-18"	83
	STAM	Stachys monieri 'Hummelo' / Hummelo Betony	#1	Min. 8"-18"	23

LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	EDGE OF PAVEMENT
	CURB AND GUTTER
	ASPHALT PAVEMENT
	HEAVY DUTY ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	SANITARY SEWER
	WATERMAIN
	STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	EXISTING STORM SEWER
	RETAINING WALL
	RAILING
	FENCE
	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
	ADA PARKING SIGN
	BIKE RACK
	LANDSCAPE EDGING
	SEDUM TRAYS
	PAVER 1
	ARTIFICIAL TURF FOR PETS
	ARTIFICIAL TURF
	DECORATIVE STONE MULCH



PLAN MODIFICATIONS:

#	Date	Description
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Designed By: MWS/MRA
 Reviewed By: KJN
 Approved By: KJN

LANDSCAPE PLAN - PHASE 1 - AMENITY PODIUM

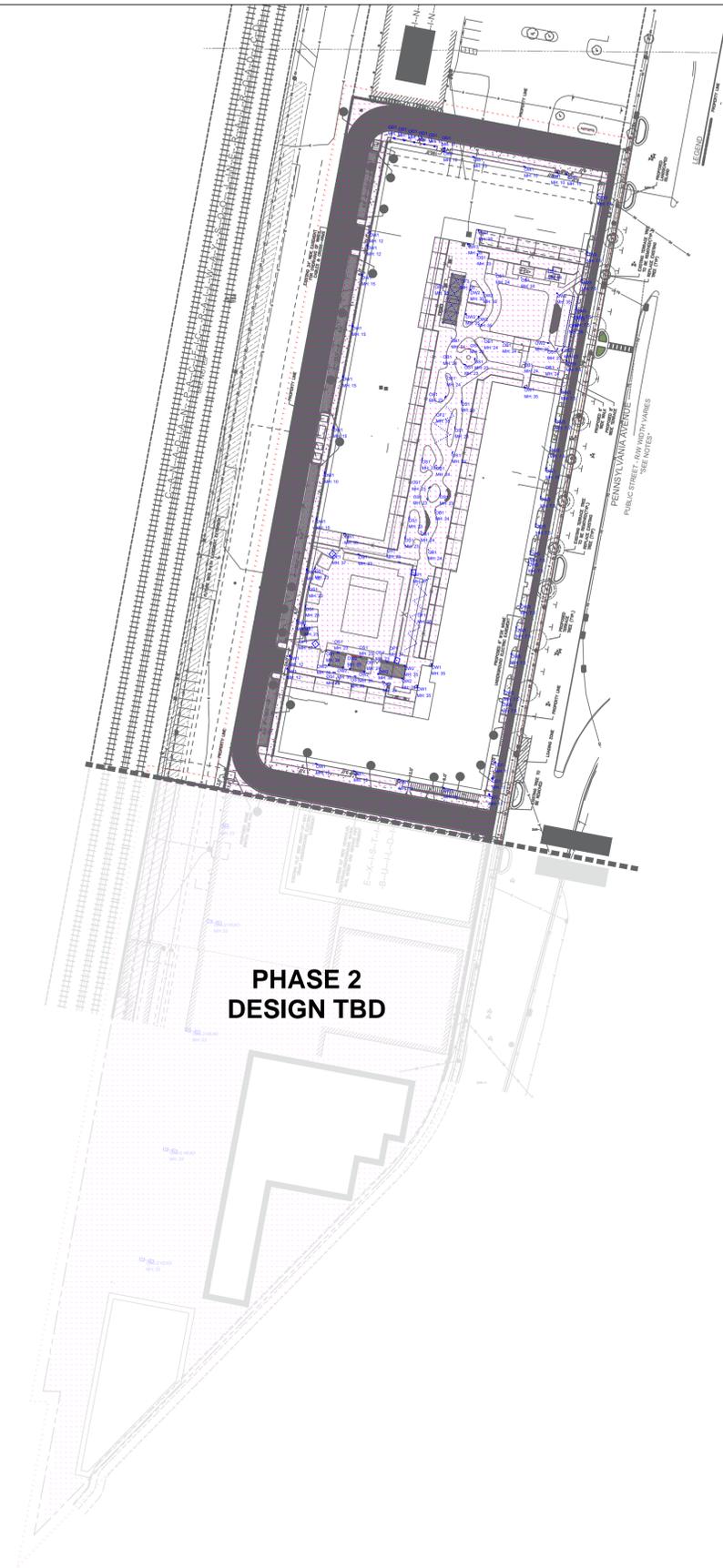
SHEET NUMBER:
L101

NOTES:

- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.
- Mounting height (MH) is measured from the bottom of the fixture to the floor.
- This Lighting layout assumes the following unless values are specified and must be confirmed by the customer prior to ordering.
 - Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings
 - Wall sconces are mounted at 7' for calculation purposes. Customer must confirm desired mounting height before rough in.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
10' OFF PROPERTY LINE	Illuminance	Fc	0.02	0.35	0.00	N.A.	N.A.
ROOF DECK	Illuminance	Fc	1.40	28.3	0.1	14.00	283.00
SITE	Illuminance	Fc	0.52	13.55	0.00	N.A.	N.A.
PARKING	Illuminance	Fc	0.95	1.6	0.4	2.38	4.00
POOL	Illuminance	Fc	1.08	1.5	0.8	1.33	1.88

Luminaire Schedule									
Qty	Label	Arrangement	LLF	MFR	Description	Lum. Watts	Total Watts	Lum. Lumens	
1	OA5	Single	0.950	LITHONIA	RSX1 LED P1 XXX R5 20FT POLE 3FT BASE	51.34	51.34	7284	
PHASE 2 DESIGN TBD									
16	OB1	Single	0.950	LOUIS POULSEN	S747408915 CONFIRM CORD MOUNTING CCT AND FINISH	6.5	104	200	
9	OD1	Single	0.950	LITHONIA	LDN8 XXK 10 LOGAR LSS	10.44	93.96	939	
1	OF1	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 125FT	N.A.	215.68	N.A.	
1	OF2	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 70FT	N.A.	121.32	N.A.	
2	OF3	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 68FT	N.A.	229.16	N.A.	
1	OF4	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 110FT	N.A.	185.35	N.A.	
4	OP1	Single	0.950	US ARCHITECTURAL	PAC24-PT1-PLED-IV-FT-36LED-350mA-XXX-UNV	41.3	165.2	5529	
28	OS1	Single	0.950	WAC	WL-6205-30-ABK	5.35699	149.996	44	
28	OW1	Single	0.950	LITHONIA	WDGE1 LED P1 XXX 60CRI VF	10.0002	280.006	1227	
13	OW2	Single	0.950	KLUZCO	EW264210-BK	20.1	261.3	1234	
16	OW3	Single	0.950	MODERN FORMS	WS-W70612-BK	25.6	460.8	610	





#	DATE	COMMENTS
REVISIONS		

DRAWN BY : BB	DATE : DEC 30, 2025	SCALE : 1" = 75'-0"
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HOOPER RESIDENTIAL	MADISON, WI	EXTERIOR LIGHTING
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FLINDT GARDEN BOLLARD

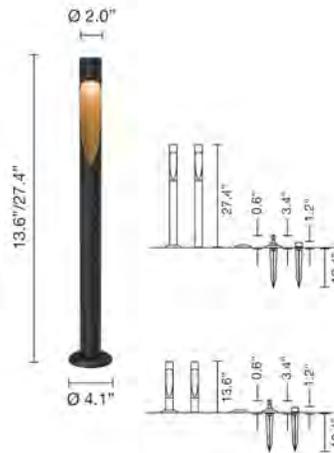
Black texture, 5747408915, Designed by Christian Flindt

Type:

Product:

Project:

Modified:



Technical specifications

Materials

Top/Base plate: die-cast aluminum.
Post: extruded aluminum.

Finishes

Textured, powder coated paint in Natural Aluminum, Corten, or Black.

Mounting

The bollard requires a separate, 24V or 230V DC power supply.

Flindt Garden with an integrated driver (230V) is available with a baseplate and anchor mounting. A mounting fixture is available as a spare part.

Flindt Garden without an adapter (24V) must be connected to an external adapter. The adapter must be brought separately. A maximum of 6 Garden bollards (6,5 W) can be run by one adapter.

The maximum distance to the last bollard is 30 m. Stem: Ø50 mm.

Spike mounted bollard(Plug&Play): For use in soil or gravel; includes weather-proof cables and connectors for above-ground runs.

Anchor mounted bollard(certified electrician): for casting in new concrete pad.

Base mounted bollard(certified electrician): Includes baseplate for anchoring to decks and floors.

Information

Electrical:

System Wattage: 6.5-8.8W

LED Wattage: 6.0W

Delivered lumens: 215-291 lm

Efficacy: 24.1 - 44.7 lm/W

Certifications:

cULus, Wet Location

Protection class IP65

IK class 06

BUG Rating: B0-U2-G0

Color Rendering: Ra≥80

LED is non-dimming.

Low Voltage power supply 24VDC is remote mounted for multiple bollards per supply. Spike mounted bollards use provided weather-proof cables and connectors for above-ground runs. Plug and play. Anchor or Base mounted bollards: installation determined by certified electrician with below ground cabling and conduit. Consult factory for remote power supply information; maximum bollards and cable distances. For the E-socket product variants, bulbs are not included. LED light source is part of the product.

FLINDT GARDEN BOLLARD

Black texture, 5747408915, Designed by Christian Flindt

Anchor or Base mounted bollards: installation determined by certified electrician with below ground cabling and conduit. For mounting instructions, see download section on the product detail page.

FLINDT GARDEN BOLLARD

Black texture, 5747408915, Designed by Christian Flindt

Variant Options

For particular variant options, please check our online Product Variants Configurator on the product detail page.

VARIANT NO.	LIGHT SOURCE	VOLTAGE/FRQ	DELIVERED LUMEN	FEATURES	CABLE	COLOR, RAL	W / H / L (IN) / W (LB)
10000158330	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158331	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
10000158334	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158335	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
10000158336	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158337	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
10000158340	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158341	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
5747402474	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.8 lb
5747402487	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.8 lb
5747402500	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 3.2 lb
5747402513	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
5747402568	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.9 lb
5747402571	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.9 lb
5747402597	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 3.4 lb
5747402607	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.4 lb
5747402830	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.8 lb
5747402843	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.8 lb
5747402869	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
5747402872	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 3.2 lb
5747402924	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.9 lb
5747402937	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.9 lb
5747402953	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 3.4 lb
5747402966	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 3.4 lb
5747405536	Integrated LED 3000K (no bulb required)	24V	-	-	-	NAT PAINT ALU, 162	2 / 27.4 / 2 in / 4.5 lb
5747405549	Integrated LED 2700K (no bulb required)	24V	-	-	-	NAT PAINT ALU, 162	27.5 / 2 / 2 in / 4.8 lb
5747405565	Integrated LED 3000K (no bulb required)	24V	-	-	-	NAT PAINT ALU, 162	2 / 13.6 / 2 in / 4.5 lb
5747405578	Integrated LED 2700K (no bulb required)	24V	-	-	-	NAT PAINT ALU, 162	2 / 13.6 / 2 in / 4.5 lb
	Integrated LED 3000K (no bulb required)					CORTEN	27.5 / 2 / 2 in / 4.8

FLINDT GARDEN BOLLARD

Black texture, 5747408915, Designed by Christian Flindt

5747405594	required)	24V	-	-	COLOR, 954	lb	
5747405604	Integrated LED 2700K (no bulb required)	24V	-	-	CORTEN COLOR, 954	27.5 / 2 / 2 in / 4.5 lb	
5747405617	Integrated LED 4000K (no bulb required)	24V	-	-	CORTEN COLOR, 954	2 / 13.6 / 2 in / 2.6 lb	
5747405620	Integrated LED 3000K (no bulb required)	24V	-	-	CORTEN COLOR, 954	2 / 13.6 / 2 in / 4.5 lb	
5747405633	Integrated LED 2700K (no bulb required)	24V	-	-	CORTEN COLOR, 954	13.6 / 2 / 2 in / 4.5 lb	
5747408782	Integrated LED 3000K (7 W, no bulb required)	24V	-	With cord	BLK, 731	2 / 13.6 / 2 in / 3.2 lb	
5747408795	Integrated LED 2700K (7 W, no bulb required)	24V	-	With cord	BLK, 731	2 / 13.6 / 2 in / 3.2 lb	
5747408818	Integrated LED 3000K (7 W, no bulb required)	24V	-	With cord	BLK, 731	2 / 27.5 / 2 in / 4.0 lb	
5747408821	Integrated LED 2700K (7 W, no bulb required)	24V	-	With cord	BLK, 731	2 / 27.5 / 2 in / 4.0 lb	
5747408847	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.1 lb
5747408850	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.1 lb
5747408876	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.2 lb
5747408889	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.2 lb
5747408902	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	-	BLK, 731	2 / 13.7 / 2 in / 3.1 lb
5747408915	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	-	BLK, 731	13.7 / 2 / 2 in / 3.1 lb
5747408931	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.9 lb
5747408944	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.9 lb
5747408960	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 3.1 lb
5747408973	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 3.1 lb
5747408999	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	-	BLK, 731	27.5 / 2 / 2 in / 3.9 lb
5747409008	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	-	BLK, 731	27.5 / 2 / 2 in / 3.9 lb

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step MacAdam Ellipse; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

Controls (Optional) —

- Luminaire can be equipped with interface for nLight wired, allowing it to communicate over an nLight network. Couple with nLight-enabled sensors, power packs, or WallPods using CAT-5 cabling to create an nLight Control Zone. Link Control Zone to a Gateway directly or via a Bridge for remote status monitoring and control using SensorView software.

- Luminaire can be equipped with interface for nLight Air, allowing it to communicate over the wireless nLight control platform. Can be paired to other luminaires and wall switches through CLAIRITY+, a mobile app, which allows individual fixture control.

UGR — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg, per CIE 117-1996 Discomfort Glare in Interior Lighting.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours. L70/60,000 hours

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. Drivers are RoHS compliant

GOVERNMENT PROCUREMENT — BAA — 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.

PERFORMANCE DATA

LDN6 3500K AR LSS 80CRI			
Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.



Catalog Number
Notes
Type

LDN6 STATIC WHITE

6" Open and Wallwash LED
Non-IC
New Construction Downlight

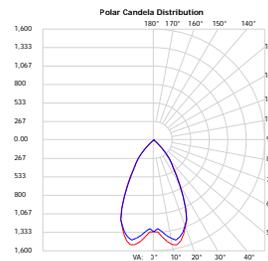


Open Trim

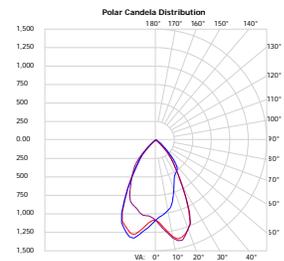


Wallwash Trim

DISTRIBUTIONS



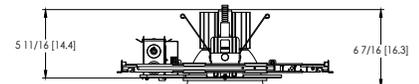
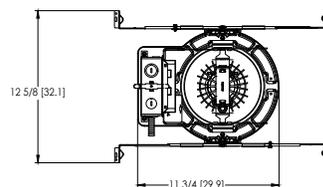
Open



Wallwash

DIMENSIONS

LDN6 500-3000 Lumens



Aperture: \varnothing 6-1/4" [15.9]
Ceiling Cutout: \varnothing 7-1/8" [18.1] Self-flanged
Overlap Trim: \varnothing 7-1/2" [19.1]

See page 4 for other fixture dimensions

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 L06 AR LSS MVOLT EZ10

LDN6 Series	Color temperature	Lumens ‡	Trim Style	Trim Color	Trim Finish	Flange Color ‡	Voltage
LDN6 6" round	27/ 2700K 30/ 3000K 35/ 3500K 40/ 4000K 50/ 5000K	05 500 lumens 07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 25 2500 lumens 30 3000 lumens 40 4000 lumens 50 5000 lumens	L06 Downlight LW6 Wallwash	AR Clear WR ‡ White BR ‡ Black TCPC ‡ Custom painted trim TRALTB ‡ RAL painted trim	LSS Semi-specular LD Matte diffuse LS Specular	TRW White painted flange TRBL Black painted flange FCPC Custom painted flange only FRALTB RAL painted flange only	MVOLT Multi-volt 120 120V 277 277V 347 ‡ 347V

Driver	Emergency ‡	Control Input ‡	Options
GZ10 0-10V driver dims to 10%	(blank) No Emergency Needed	(blank) No Control Input Needed	HAO ‡ High ambient option (40°C)
GZ1 0-10V driver dims to 1%	EL Battery pack (10W constant power), non-T20 compliant, integral test switch	SSAIR Wireless standalone embedded control by SensorSwitch	CP ‡ Chicago Plenum
D10 Minimum dimming 10% driver for use with SSAIR	ELR Battery pack (10W constant power), non-T20 compliant, remote test switch	NPP16D nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	RRL___ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
D1 Minimum dimming 1% driver for use with SSAIR	ELSD Self-diagnostic battery pack (10W constant power), non-T20 compliant, integral test switch	NPP16DER nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.	BAA Buy America(n) Act and/or Build America Buy America Qualified
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELRSD Self-diagnostic battery pack (10W constant power), non-T20 compliant, remote test switch	NPS80EZ nLight® dimming pack controls 0-10V eldoLED drivers (EZ1).	90CRI High CRI (90+)
EDAB eldoLED DALI SOLDRIIVE dim to dark	E10WCP Battery pack (10W constant power), T20 compliant, integral test switch	NPS80EZER nLight® dimming pack controls 0-10V eldoLED drivers (EZ1). ER controls fixtures on emergency circuit.	SF ‡ Single fuse
	E10WCPR Battery pack (10W constant power), T20 compliant, remote test switch	N80 nLight™ Lumen Compensation	
	E10WRSTAR Emergency battery pack, 10W with remote test switch and Iota STAR technology	NLTAIR2 nLight® Air enabled	
		NLTAIRER2 nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options	
		NLTAIREM2 nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection. Available with battery pack options.	

‡ Option Value Ordering Restrictions

Option value	Restriction
Lumens	Overall height varies based on lumen package; refer to dimensional chart.
WR, BR	Not available with finishes.
347	Not available with emergency options.
SF	Must specify voltage 120V or 277V.
TRW, TRBL	Available with clear (AR) reflector only.
EL, ELR, ELSD, ELRSD, E10WCP, E10WCPR	12.5" of plenum depth or top access required for battery pack maintenance.
NPP16D, NPP16DER, NPS80EZ, NPS80EZER	Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed. See UL 924 Sequence of Operation table.
N80	Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ1 drivers.
NLTAIR, NLTAIR2, NLTAIRER2, NLTAIREM2	Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options. Not recommended for metal ceiling installations.
HAO	Fixture height is 6.5" for all lumen packages with HAO.
CP	Must specify voltage for 3000lm and above. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.
JOT	Must specify D10 or D1 driver. Not available with nLight options. Not available with CP. Not recommended for metal ceiling installation. Not for use with emergency backup power systems other than battery packs.
Reloc® Options	Refer to RRL specification sheet on acuitybrands.com for further details.
RRLAE	Commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode.
RRLC12S	RRLC12S option is to be used with the OnePass OCU, OCS, OD, OFC and OD for 0-24V integrated single-circuit or 0-10V low voltage controls applications. Not available with integral dimming sensors.
TRALTB, FRALTB	RALTB for pricing only. Replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options. Not available with TCPC or FCPC
TCPC, FCPC	CPC options for pricing only. Custom color chip needs to be sent in to your Customer Resolution specialist before order can be processed. Click HERE for more details. Not available with TRAL or FRAL
E10WRSTAR	Not available with wet location, EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTAIREM2, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/SSAIR. Top access installation or 17.5" plenum clearance required for roomside installation. Not available with integral test switch

Accessories: Order as separate catalog number.		
EAC ISSM 375	Compact interruptible emergency AC power system	SCA6 Sloped Ceiling Adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D
EAC ISSM 125	Compact interruptible emergency AC power system	
GRA68 JZ	Oversized trim ring with 8" outside diameter	



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

(Maximum order quantity for design select lead times is 112.)

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILBLP CP10 HE SD A+	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A+	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic
ILBHI CP10 HE SD A+	10W	90	1200	347-480V AC Input, Title 20, Self Diagnostic
ILBHI CP15 HE SD A+	15W	90	1800	347-480V AC Input, Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.

*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.

The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.

Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

COMPATIBLE 0-10V WALL-MOUNT DIMMERS

MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPSCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALI.net Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	



This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

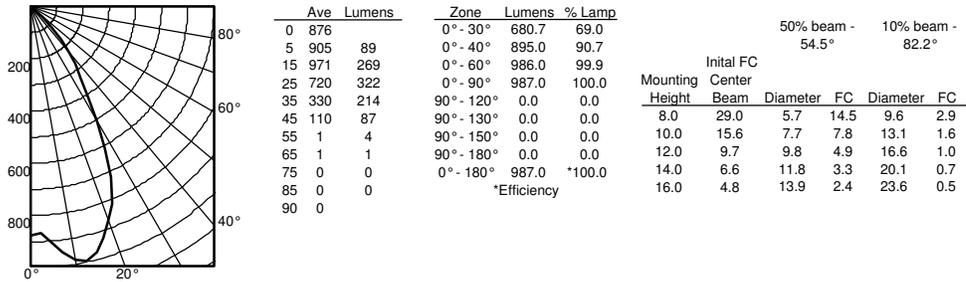
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about A+, visit www.acuitybrands.com/aplus.

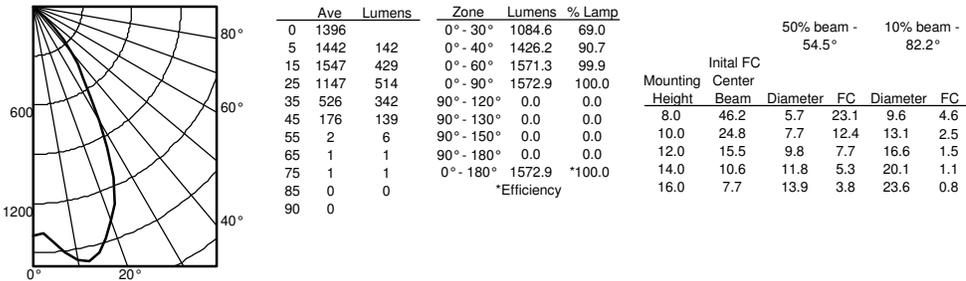
PHOTOMETRY

Distribution Curve Distribution Data Output Data Illuminance Data at 30" Above Floor for a Single Luminaire

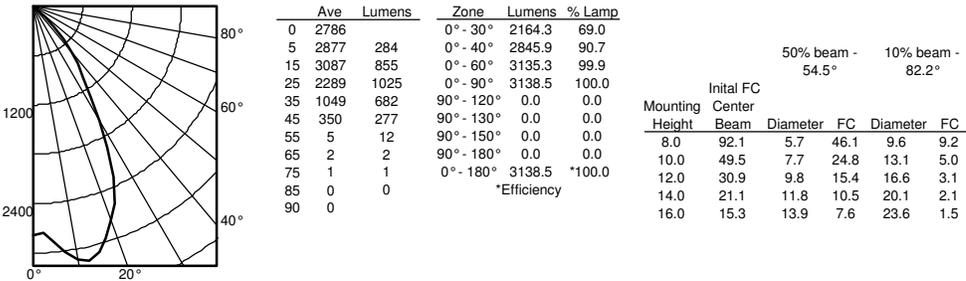
LDN6 35/10 L06AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



LDN6 35/15 L06AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



LDN6 35/30 L06AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

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

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

The LPW rating is also available at Designlight Consortium.

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

LUMEN OUTPUT MULTIPLIERS - FINISH

	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS - CRI

80	1.0
90	0.874

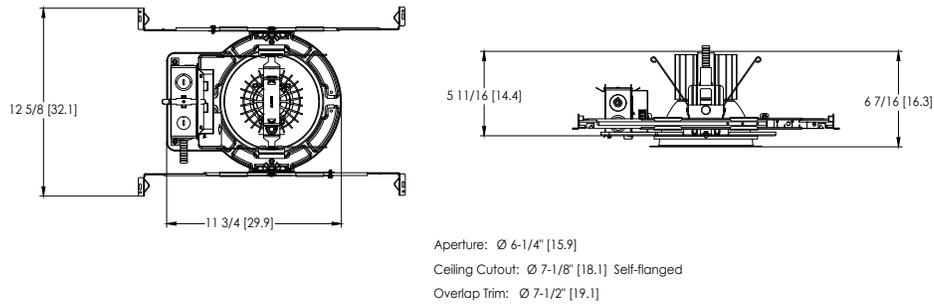
LUMEN OUTPUT MULTIPLIERS - CCT

	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

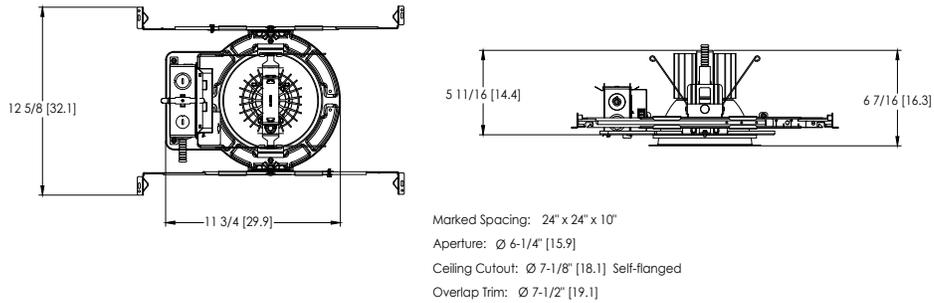
LDN6

* All dimensions are inches (centimeters) unless otherwise noted.

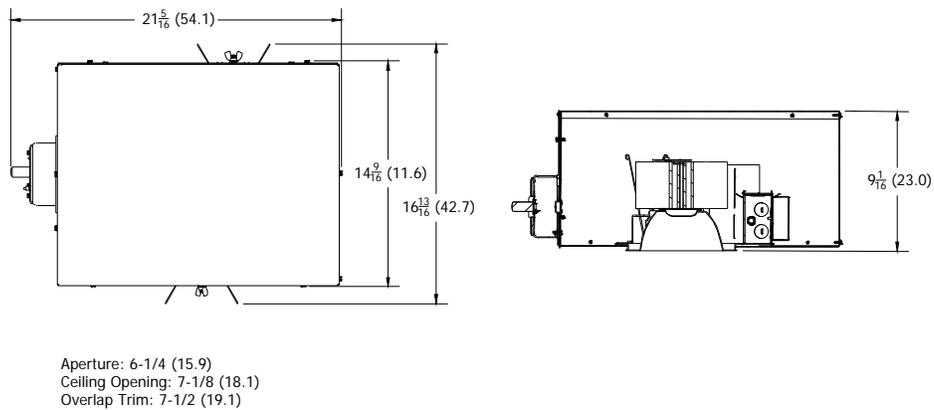
LDN6 500-3000 Lumens



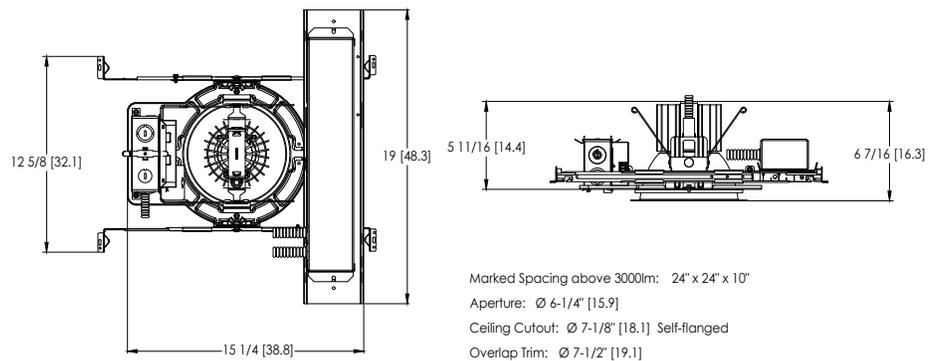
LDN6 4000-5000 Lumens



LDN6 CP



LDN6 EL





Performance You Can Count On

SensorSwitch™ offers standalone wired and wireless lighting controls solutions designed for room-based applications. Our products offer reliable performance and ease of installation.

Sensorswitch.com

Wireless Embedded Controls



1. Install the luminaires with embedded controls
2. Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.



SensorSwitch
WSXA SSA

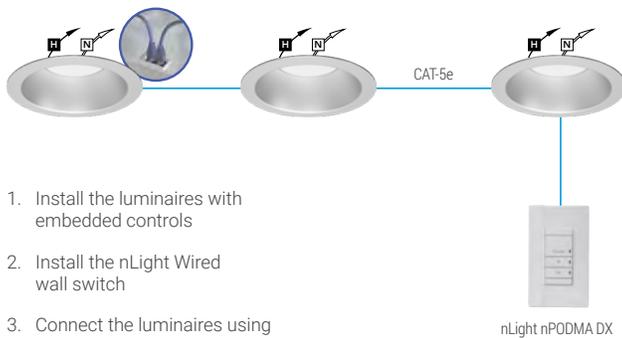


Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLight® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLight also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nlightcontrols.com

Wired Embedded Controls



1. Install the luminaires with embedded controls
2. Install the nLight Wired wall switch
3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play)

Wireless Embedded Controls

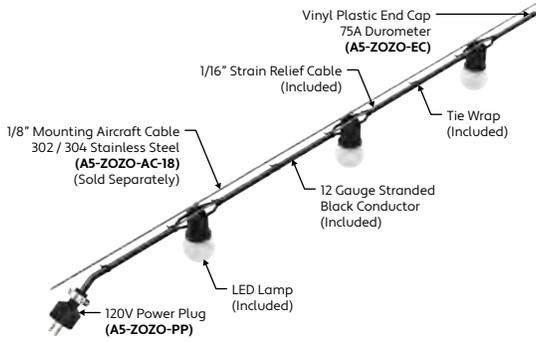


1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CLAIRITY+ mobile app to pair the fixtures with the wall switch and if desired, customize the sensor settings

UL924 Sequence of Operation

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

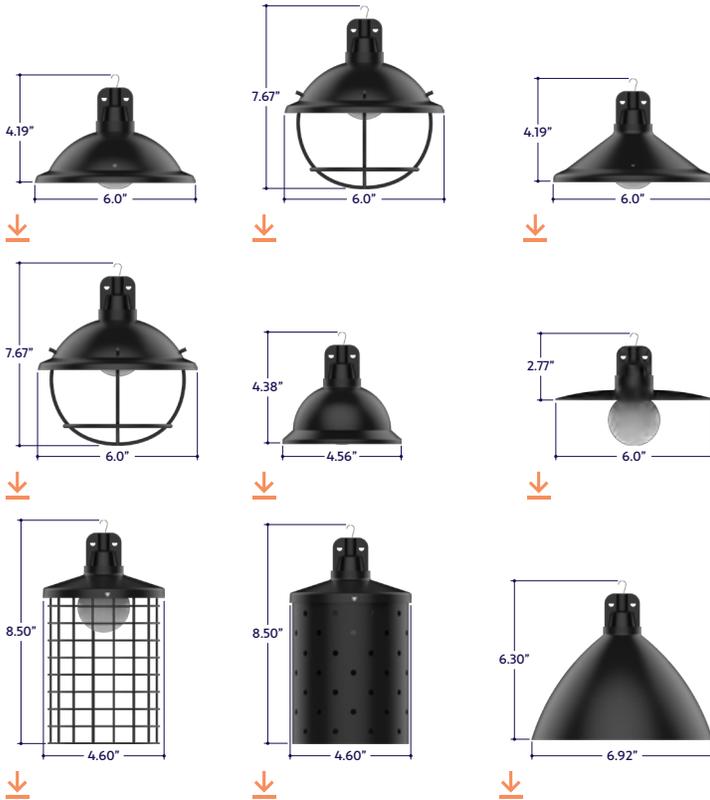
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to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



GENERAL FEATURES

Applications	Indoor and Outdoor
Length	Built to Order (+/- 1/8" Tolerance)
Finish	Black
Feed	Standard 6' Power Lead
Strain Relief	Cable (Included, Not for Mounting)
Mounting	Mounting Aircraft Cable (Sold Separately)
Listing	Dry or Wet Location ANSI/UL1598 CSA 22.2 No. 250.0-04, 2nd Edition
Options	Mesh, Canopies, or Cages
UV Rating	Sun Light Resistance
Installation Link	

CANOPY OPTIONS (Click Image to See Individual Submittal)



ELECTRICAL

Dimming	Forward Phase
Maximum Run	250' without Canopies 100' with Canopies
System	20 Amps (12 Gauge Wire)
Wattage	1W or 3W Lamps (+/- 0.25W Tolerance)
Operating Temperature	-25°C to +45°C (-13°F to +113°F)
Luminaire Voltage	120V

SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

Series	Spacing	Lamp	Dimming	Listing	Luminaire Length		
Standard (No Canopy) (A5-ZOZO-STN)	Bell Canopy (A5-ZOZO-BLL)	12" on Center (12")	2700K, G-Shape (27K-GSF)	5000K, G-Shape Filament (50K-GSFL)	Forward Phase (DM)	Indoor (DRY)	
	Round Canopy (A5-ZOZO-RND)	18" on Center (18")					5000K, G-Shape (50K-GSF)
Round Canopy with Cage (A5-ZOZO-RNC)	Flat Canopy (A5-ZOZO-FLT)	24" on Center (24")	Red, G-Shape (R-GSF)	5000K, S-Shape Frosted (50K-SSF)	Leave Blank for Non-Dimming	Outdoor (WET)	
	Mesh Canopy (A5-ZOZO-MSH)	36" on Center (36")					Green, G-Shape (G-GSF)
Cone Canopy (A5-ZOZO-CON)	Barrel Canopy (A5-ZOZO-BRL)	48" on Center (48")	Blue, G-Shape (B-GSF)	2700K, S-Shape Clear (27K-SSC)			
		60" on Center (60")					Amber, G-Shape (A-GSF)
Cone Canopy with Cage (A5-ZOZO-COC)	Hat Canopy (A5-ZOZO-HAT)	2400K, G-Shape Filament (24K-GSFL)	3000K, G-Shape Filament (30K-GSFL)	Blue, S-Shape Clear (B-SSC)			
		2700K, G-Shape Filament (27K-GSFL)					Green, S-Shape Clear (G-SSC)
		3500K, G-Shape Filament (35K-GSFL)					Amber, S-Shape Clear (A-SSC)
		4000K, G-Shape Filament (40K-GSFL)					No Lamps* (NL)

* Lighting will be shipped without lamps.

LAMP OPTIONS

Lamp Image & Dimensions



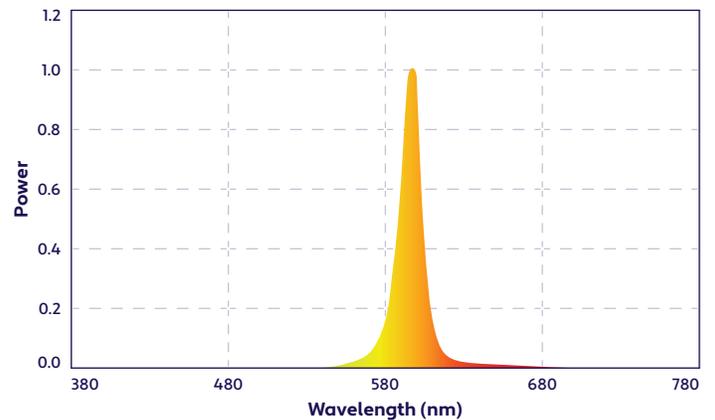
Lamp Name & Product Code	G-Shaped Lamp (GSF)	G-Shaped Filament Lamp (GSFL)	S-Shaped Lamp (SSF)	S-Shaped Clear Lamp (SSC)
Lamp Type	Standard LED	Filament LED	Standard LED	Standard LED
Material	Polymer Plastic	Shatterproof Glass	Polymer Plastic	Polymer Plastic
Lamp Life	20,000 hrs.	25,000 hrs.	20,000 hrs.	20,000 hrs.
CRI	80	90	75	80
Lumens	42	256	42	42
Beam Angle	360°	360°	360°	360°
Appearance	Frosted	Clear	Frosted	Clear, Textured
CCT & Colors	27K, 50K, R, G, B, A	24K, 27K, 30K, 35K, 40K, 50K	27K, 50K, OR	27K, 50K, R, G, B, A
Lamp Watts	1W	3W	1W	1W

Note: Lamp dimensions are subject to change without notice. +/- 0.25 Wattage Tolerance. CRI is based on 5.0K GSF, 3.0K GSFL, 5.0K SSF, and 5.0K SSC.

LAMP SPECIFICATIONS

Lamp Number	Correlated Color Temperature	Description	Available Lamp Shapes
24K	2400 Kelvin	Incandescent White	(GSFL)
27K	2700 Kelvin	Warm White	(GSF), (GSFL), (SSF), (SSC)
30K	3000 Kelvin	Warm White	(GSFL)
35K	3500 Kelvin	Neutral White	(GSFL)
40K	4000 Kelvin	Neutral White	(GSFL)
50K	5000 Kelvin	Cool White	(GSF), (GSFL), (SSF), (SSC)
R	Red	621nm	(GSF), (SSC)
G	Green	525nm	(GSF), (SSC)
B	Blue	470nm	(GSF), (SSC)
A	Amber	590nm	(GSF), (SSC)
OR	Orange	610nm	(SSF)

SPECTRAL POWER DISTRIBUTION AMBER LED (590nm) TURTLE FRIENDLY



ACCESSORIES (Sold Separately)



Vinyl Plastic End Cap
 75A Durometer
 (A5-ZOZO-EC)

Part #	Qty.
A5-ZOZO-EC	

Note: Use 1 End Cap at the end of each run.



120V Power Plug
 Rubber Casing
 (A5-ZOZO-PP)

Part #	Qty.
A5-ZOZO-PP	

Note: Use 1 Power Plug for each run that will not be hardwired.

MOUNTING ACCESSORIES (Sold Separately - Click Image to See Cut Sheet, If Applicable)



Part #	Length	Qty.
A5-ZOZO-AC-18-		

Note: Order cable to desired length. Order in 50' increments up to 500' per reel.



Part #	Qty.
A5-ZOZO-CL-18-	

Note: Use 1 Cable Lock per run, if using this method. Refer to installation instructions for alternative mounting options.



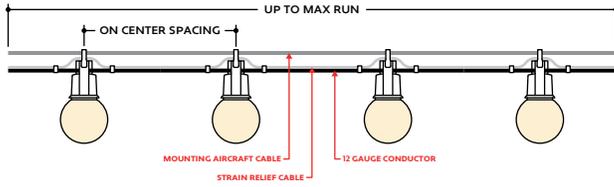
Mounting Plate
 Stainless Steel
 (A5-ZOZO-MP)

Part #	Qty.
A5-ZOZO-MP	

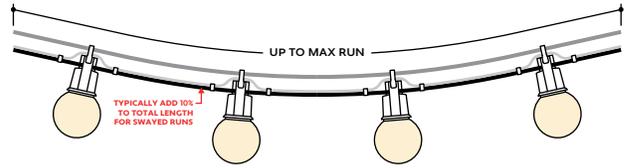
Note: Use Mounting Plates when mounting to a ceiling. Refer to installation instructions for details.

DESIGN GUIDELINES

Straight Run

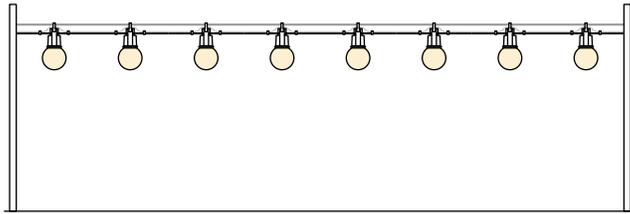


Swayed Run

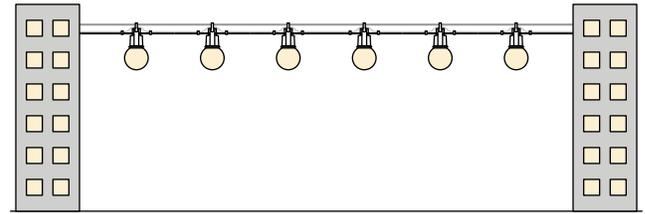


INSTALLATION OPTIONS

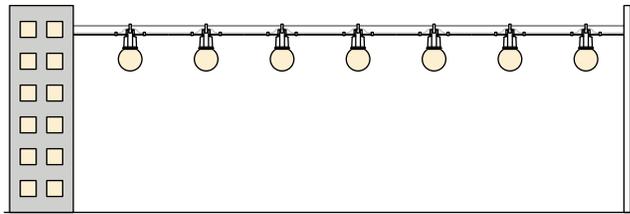
Pole to Pole



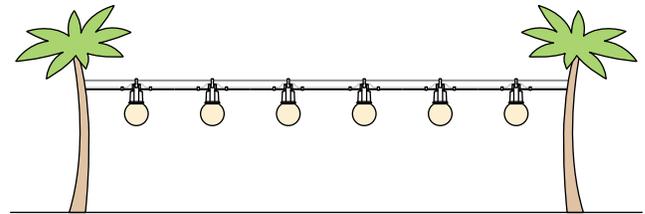
Building to Building



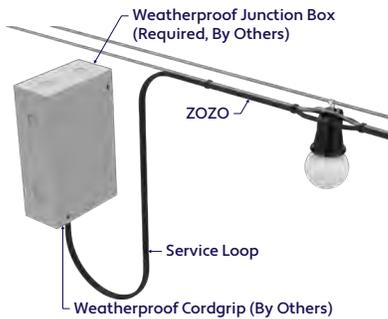
Building to Pole



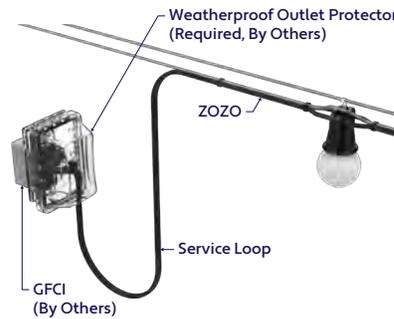
Tree to Tree



HARDWARE INSTALLATION (Wet Location)



POWER PLUG INSTALLATION (Wet Location)



INSTALLATION RECOMMENDATIONS

- Determine weight of string light that will be used.
- Determine length of string light and multiply by weight.
- An engineer must choose the proper aircraft cable to handle the tension, based on length and weight to prevent product from sagging.
- An engineer must determine the strength of the structure where the cable will attach, based on tension calculation from previous step.
- If installing on a pole, check with pole manufacturer to confirm the pole can handle the tension.
- String light is hung to the above aircraft cable using the hooks. Secure hooks to aircraft cable by crimping or using stainless steel tie wraps.
- The supplied aircraft cable is designed to prevent strain on the wire. An additional aircraft cable is required to hang string light.

WEIGHT PER FOOT

Series	Spacing Selection	Approximate Weight ^{∗1}
ZOZO Standard (A5-ZOZO-STN)	12" on Center (12")	0.30 lbs per foot
	18" on Center (18")	0.24 lbs per foot
	24" on Center (24")	0.21 lbs per foot
	36" on Center (36")	0.18 lbs per foot
	48" on Center (48")	0.17 lbs per foot
	60" on Center (60")	0.16 lbs per foot

^{∗1} Includes Wire, Socket, Lamp, and Strain Relief Cable. Mounting Aircraft Cable Not Included.

AREA & ROADWAY LIGHTING

Pacifica® - PT1 PLED

CONTEMPORARY, ROUND FORM POST TOP LUMINAIRE

PROJECT NAME: _____

PROJECT TYPE: _____

Luminaire

All housing components are all heavy wall cast aluminum alloy (A356 alloy, <0.2% copper). Removable internal heatsink provides direct mounting of the LED modules and thermal control for long life and efficiency. Optical axes through the aperture of housing top. Driver is accessed through fitter cap at strut base. All Hardware is stainless steel.

Post Top Mounting

Luminaire fitter mounts over 2-7/8" O.D. x 3.00" tenon. Stainless steel set screws provided for leveling and securing fixture over tenon.

PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. All fixture optical options will provide a "U0" no uplight optical package and are dark sky friendly.

Ambience™ Low Luminance Lens

Optional Ambience Lens (AL) provides low luminance reduced glare distributions. Lens diffuses the PLED Optics and provides a more uniform luminance across the aperture reducing glare at all angles. Lens is provided with an aluminum frame and is sealed to the housing with high temp gasketing.

LED Emitters

LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150 °C for long life, high lumen maintenance and color stability. High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.5 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), and Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time).

True Amber LED's TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

LED Driver

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with a separate 20KV surge protector for field installation.

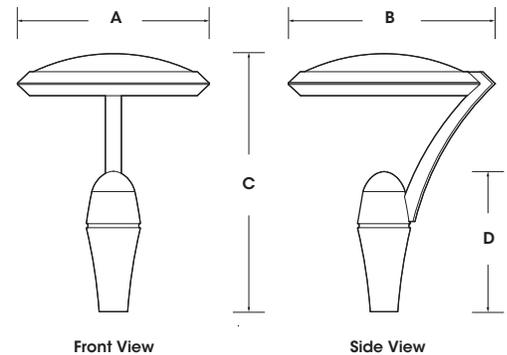
Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.



PAC-PT1

(PAC24-PT1 shown)



Fixture	A	B	C	D
PAC24-PT1	24" 610mm	26" 660mm	32" 813mm	17.5" 445mm
PAC18-PT1	19" 483mm	20.5" 521mm	25" 635mm	14" 356mm



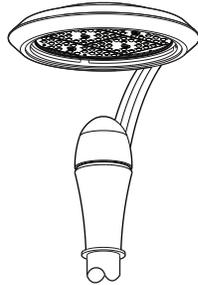
2023087

PAC-PT1 SERIES - PLED

PRODUCT CONFIGURATIONS

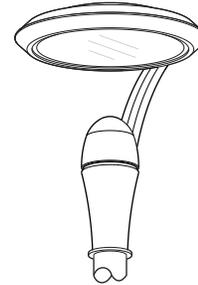
EPA & WEIGHT

No Lens



PAC24-PT1
Max Weight = 60 lbs
Max EPA = 1.26
80 LED Max

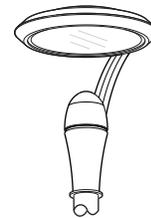
w/ Ambience™ Low Luminance Lens



PAC24-PT1-AL
Max Weight = 60 lbs
Max EPA = 1.26
80 LED Max



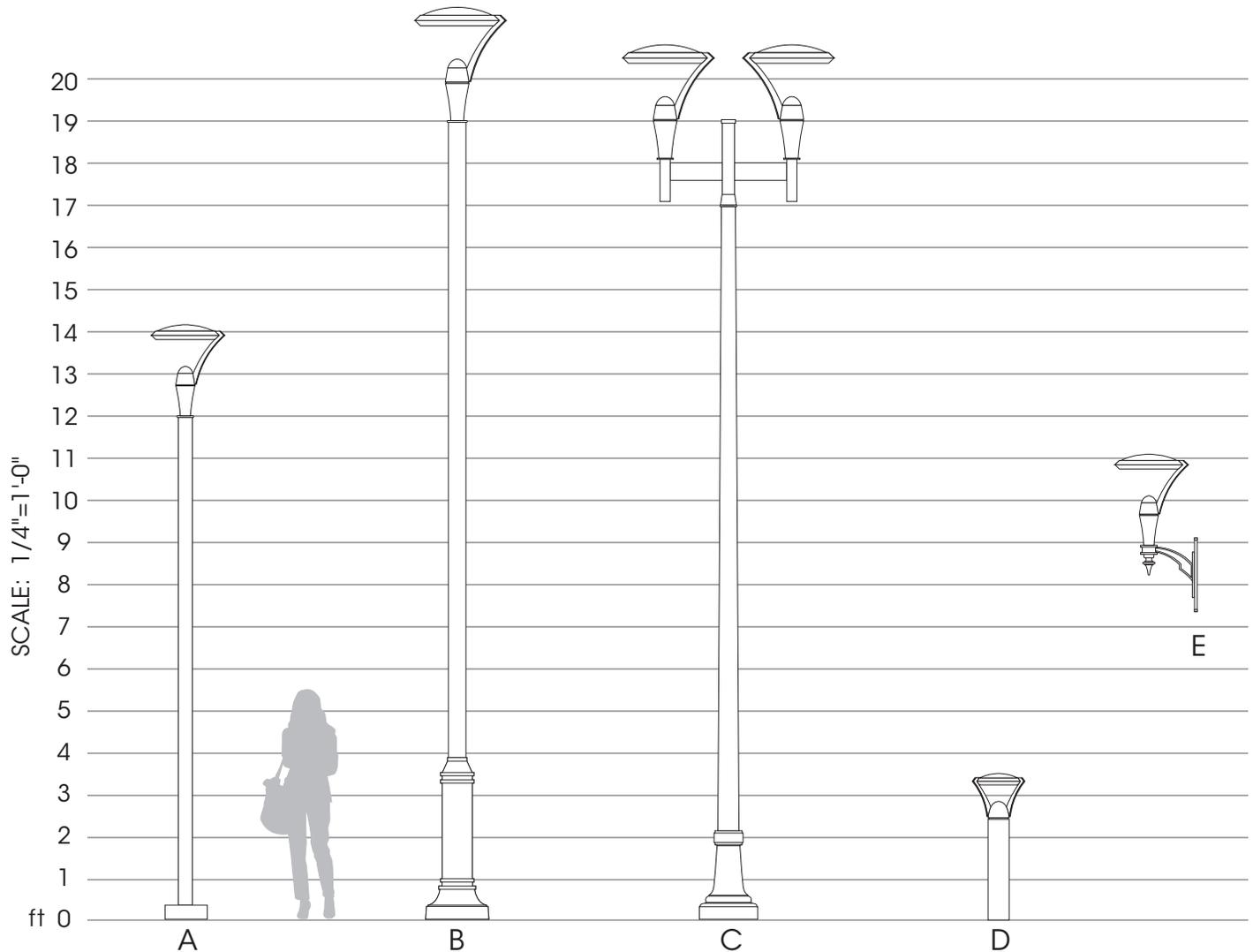
PAC18-PT1
Max Weight = 42 lbs
Max EPA = 0.81
48 LED Max



PAC18-PT1-AL
Max Weight = 42 lbs
Max EPA = 0.81
48 LED Max

PAC-PT1 SERIES - PLED

SAMPLE ASSEMBLIES

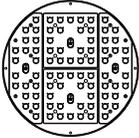


- A. RNTA-124-125/PT/PAC18-PT1 /LED/ACCESSORIES/FINISH
- B. 43SB-RTNA-195-188/PT/PAC24-PT1 /LED/ACCESSORIES/FINISH
- C. 75-1046T-17'-0" /XAO-2-180/PAC24-PT1 /LED/ACCESSORIES/FINISH
- D. PACB/LED/ACCESSORIES/FINISH
- E. XAZ-UP-WM/PAC18-PT1 /LED/ACCESSORIES/FINISH

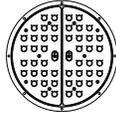
Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminaires. Please visit usalgtg.com for the full product offering.

PAC-PT1 SERIES - PLED

PLED™ MODULES



80 LED Module



48 LED Module



36 LED Module



20 LED Module

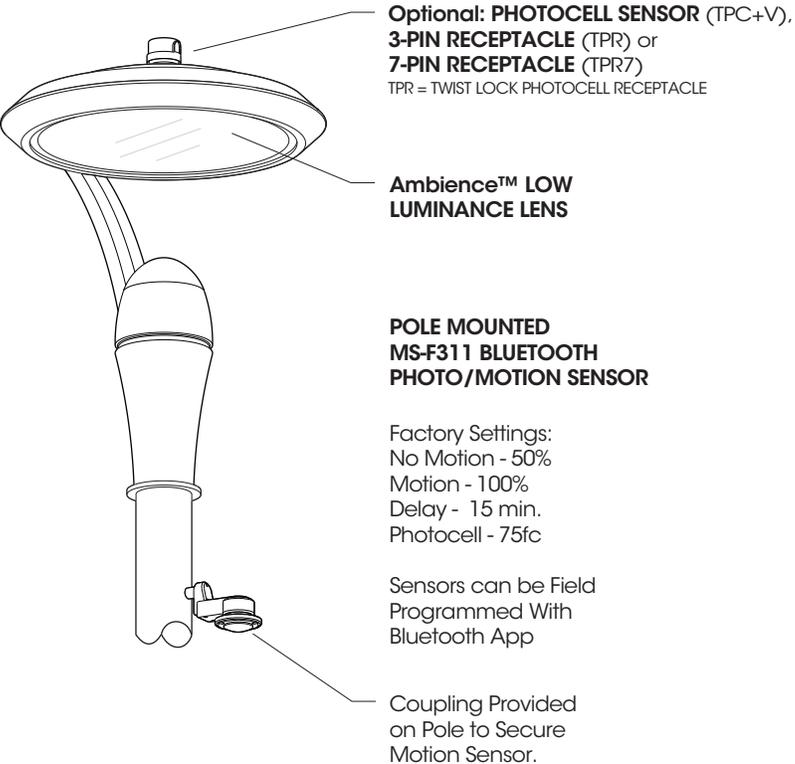
ORDERING INFORMATION

Spec/Order Example: PAC24-PT1/PLED-II/36LED-525mA/27K/UNV/RAL-9005-S/TPR7

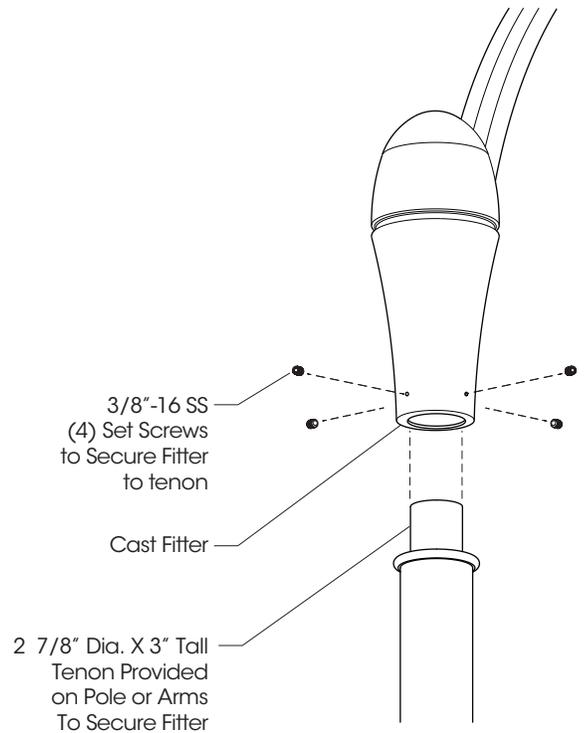
Luminaire	Optics	LED Mode			Voltage	Finish	Options	
Luminaire	Optics	LED			Voltage	Finish	Options	
	PLED™ Distribution Type	# of LEDs	Drive Current	Color Temp - CCT		Standard Textured Finish		
<input type="checkbox"/> PAC24-PT1 <input type="checkbox"/> PAC18-PT1	For NL Options: <input type="checkbox"/> PLED-II <input type="checkbox"/> PLED-II-FR <input type="checkbox"/> PLED-II-ML <input type="checkbox"/> PLED-III <input type="checkbox"/> PLED-III-W <input type="checkbox"/> PLED-IV <input type="checkbox"/> PLED-IV-FT <input type="checkbox"/> PLED-V-SQ-N <input type="checkbox"/> PLED-V-SQ-M <input type="checkbox"/> PLED-V-SQ-W Ambience™ Lens Option ⁴ : <input type="checkbox"/> AL-ASY <input type="checkbox"/> AL-ASY-HS <input type="checkbox"/> AL-SYM	<input type="checkbox"/> 80LED ¹ <input type="checkbox"/> 48LED <input type="checkbox"/> 36LED <input type="checkbox"/> 20LED ²	<input type="checkbox"/> 875mA <input type="checkbox"/> 700mA <input type="checkbox"/> 525mA <input type="checkbox"/> 350mA <input type="checkbox"/> 175mA	<input type="checkbox"/> 27K (2700K) <input type="checkbox"/> 30K (3000K) <input type="checkbox"/> 40K (4000K) <input type="checkbox"/> 50K (5000K) <input type="checkbox"/> TRA ³ True Amber	<input type="checkbox"/> UNV (120-277) <input type="checkbox"/> 347 <input type="checkbox"/> 480	<input type="checkbox"/> Black RAL-9005-T <input type="checkbox"/> White RAL-9003-T <input type="checkbox"/> Grey RAL-7004-T <input type="checkbox"/> Dark Bronze RAL-8019-T <input type="checkbox"/> Green RAL-6005-T Premium Finishes <input type="checkbox"/> Rust <input type="checkbox"/> Patina Copper PC For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	<input type="checkbox"/> Internal House Side Shield incl. LED Count (Example: HS-LED/48) HS-LED <input type="checkbox"/> Twist Lock Receptable Only TPR <input type="checkbox"/> 7-Pin Twist Lock Receptable Only TPR7 <input type="checkbox"/> High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) HLSW <input type="checkbox"/> Twist Lock Photocell + Voltage (Example: TPC347V) TPC+V <input type="checkbox"/> Photocell + Voltage (Example: PC120V) PC+V <input type="checkbox"/> Single Fuse (Example: DF277V) SF+V <input type="checkbox"/> Double Fuse (Example: DF240V) DF+V <input type="checkbox"/> Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75(c)) MS-F311	
		NOTES: 1 - 80LED available in PAC24-PT1 only 2 - 20LED available in PAC18-PT1 only 3 - TRA available in 350mA & 525mA Drive Currents only 4 - Ambience Lens available in PAC24-PT1 (80LED) and PAC18-PT1 (48LED) only Consult factory for other CCT, CRI, & Drive Current options						

PAC-PT1 SERIES - PLED

OPTIONS



INSTALLATION DETAIL



High Low Dimming For Switches (HLSW)

The HLSW is a small Electronic Switch which provides High Low Dimming Control through the LED Driver's 0-10V Control. Switching is done by adding a secondary AC Switched Hot Trigger Line to the HLSW in addition to the normal AC Power Line. When the Secondary Trigger Line is powered, the Fixture will go to 100% dimming. With no power to the Trigger, the Fixture will operate at 50% or 25% dimming. Switches for the Trigger Line can be a normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls

Contact factory for Wireless and other Fixture Controls and recommendations. Most Controls can be integrated and factory installed.

PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 875mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L96	0.96x
100,000 (6X LED Test Hrs)	L93	0.93x
150,000 (Theoretical)	L89	0.90x
200,000 (Theoretical)	L86	0.87x

TM-21 6x Test Time Dictates that L93 > 100,000 Hours.

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

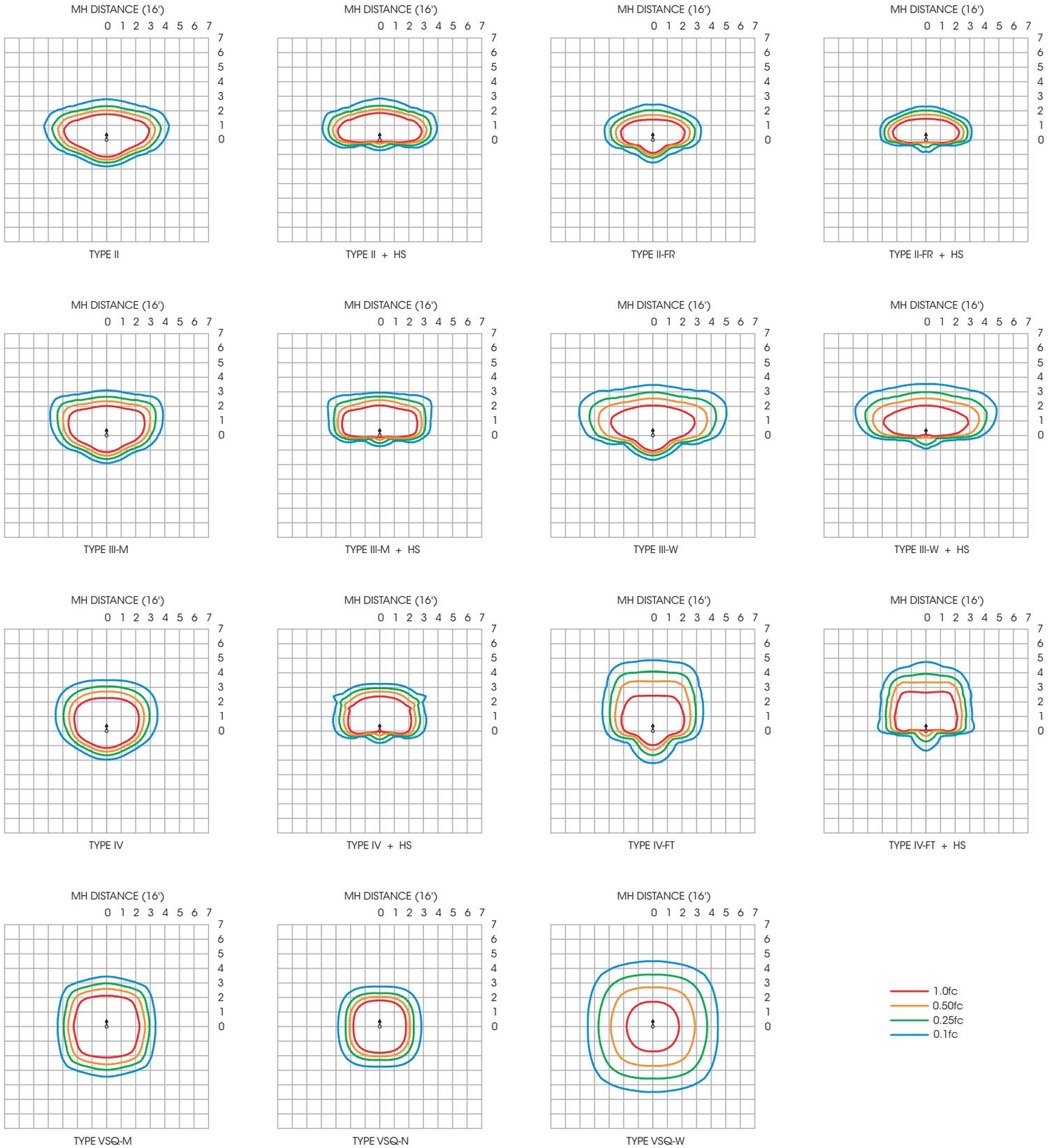
ELECTRICAL DATA GUIDE - AMPERAGE CHART

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
20	350	23.6	0.20	0.11	0.09	0.07	0.05
20	525	35.5	0.30	0.17	0.13	0.10	0.07
20	700	47.0	0.39	0.23	0.17	0.14	0.10
20	875	58.4	0.49	0.28	0.21	0.17	0.12
36	350	41.3	0.34	0.20	0.15	0.12	0.09
36	525	62.0	0.52	0.30	0.22	0.18	0.13
36	700	82.6	0.69	0.40	0.30	0.24	0.17
36	875	103.1	0.86	0.50	0.37	0.30	0.21
48	175	26.5	0.22	0.13	0.10	0.08	0.06
48	350	53.6	0.45	0.26	0.19	0.15	0.11
48	525	80.7	0.67	0.39	0.29	0.23	0.17
48	700	108.0	0.90	0.52	0.39	0.31	0.23
48	875	134.7	1.12	0.65	0.49	0.39	0.28
80	175	41.9	0.35	0.20	0.15	0.12	0.09
80	350	85.8	0.72	0.41	0.31	0.25	0.18
80	525	129.7	1.08	0.62	0.47	0.37	0.27
80	700	173.5	1.45	0.83	0.63	0.50	0.36
80	875	221.5	1.85	1.06	0.80	0.64	0.46

PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC18-PT-PLED-36LED-700mA-40K - 16 Mounting Height (14' Pole)



PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC18-PT-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
20	350	23.6	II	3152	134	B1-U0-G1	3288	139	B1-U0-G1	3426	145	B1-U0-G1	3563	151	B1-U0-G1	18.2	1096	60	B0-U0-G0
			II-FR	3173	134	B1-U0-G1	3311	140	B1-U0-G1	3449	146	B1-U0-G1	3587	152	B1-U0-G1		1104	61	B0-U0-G0
			III-M	3207	136	B1-U0-G1	3346	142	B1-U0-G1	3486	148	B1-U0-G1	3625	154	B1-U0-G1		1115	61	B0-U0-G0
			III-W	2978	126	B1-U0-G1	3107	132	B1-U0-G1	3237	137	B1-U0-G1	3366	143	B1-U0-G1		1036	57	B0-U0-G1
			IV	3183	135	B1-U0-G1	3321	141	B1-U0-G1	3459	147	B1-U0-G1	3598	152	B1-U0-G1		1107	61	B0-U0-G0
			IV-FT	2899	123	B1-U0-G1	3025	128	B1-U0-G1	3151	134	B1-U0-G1	3277	139	B1-U0-G1		1008	55	B0-U0-G1
			VSQ-N	3327	141	B2-U0-G0	3472	147	B2-U0-G0	3616	153	B2-U0-G0	3761	159	B2-U0-G0		1157	64	B1-U0-G0
			VSQ-M	3262	138	B2-U0-G1	3404	144	B2-U0-G1	3546	150	B2-U0-G1	3688	156	B2-U0-G1		1135	62	B1-U0-G0
			VSQ-W	3184	135	B2-U0-G1	3322	141	B2-U0-G1	3461	147	B3-U0-G1	3600	153	B3-U0-G1		1108	61	B1-U0-G1
			II-HS	2305	98	B0-U0-G1	2405	102	B0-U0-G1	2505	106	B0-U0-G1	2606	110	B0-U0-G1		802	44	B0-U0-G0
			II-FR-HS	2345	99	B0-U0-G0	2447	104	B0-U0-G0	2549	108	B0-U0-G0	2651	112	B0-U0-G0		816	45	B0-U0-G0
			III-M-HS	2332	99	B0-U0-G1	2433	103	B0-U0-G1	2535	107	B0-U0-G1	2636	112	B0-U0-G1		811	45	B0-U0-G0
			III-W-HS	2282	97	B0-U0-G1	2382	101	B0-U0-G1	2481	105	B0-U0-G1	2580	109	B0-U0-G1		794	44	B0-U0-G1
			IV-HS	2409	102	B0-U0-G1	2513	106	B0-U0-G1	2618	111	B0-U0-G1	2722	115	B0-U0-G1		838	46	B0-U0-G0
			IV-FT-HS	2277	96	B0-U0-G1	2376	101	B0-U0-G1	2475	105	B0-U0-G1	2574	109	B0-U0-G1		792	44	B0-U0-G1
			20	525	35.5	II	4481	126	B1-U0-G1	4676	132	B1-U0-G1	4871	137	B1-U0-G1		5066	143	B1-U0-G1
II-FR	4511	127				B1-U0-G1	4707	133	B1-U0-G1	4904	138	B1-U0-G1	5100	144	B1-U0-G1	1275	47	B1-U0-G0	
III-M	4560	128				B1-U0-G1	4758	134	B1-U0-G1	4956	140	B1-U0-G1	5154	145	B1-U0-G1	1288	47	B0-U0-G0	
III-W	4234	119				B1-U0-G2	4418	124	B1-U0-G2	4602	130	B1-U0-G2	4786	135	B1-U0-G2	1196	44	B0-U0-G1	
IV	4525	127				B1-U0-G1	4722	133	B1-U0-G1	4919	139	B1-U0-G1	5116	144	B1-U0-G1	1279	47	B0-U0-G1	
IV-FT	4123	116				B1-U0-G2	4302	121	B1-U0-G2	4481	126	B1-U0-G2	4660	131	B1-U0-G2	1165	43	B0-U0-G1	
VSQ-N	4730	133				B2-U0-G1	4935	139	B2-U0-G1	5141	145	B2-U0-G2	5347	151	B2-U0-G1	1337	49	B1-U0-G0	
VSQ-M	4638	131				B3-U0-G1	4839	136	B3-U0-G1	5041	142	B3-U0-G1	5243	148	B3-U0-G1	1311	48	B1-U0-G0	
VSQ-W	4528	128				B3-U0-G2	4725	133	B3-U0-G2	4921	139	B3-U0-G2	5118	144	B3-U0-G2	1279	47	B1-U0-G1	
II-HS	3278	92				B0-U0-G1	3420	96	B0-U0-G1	3563	100	B0-U0-G1	3705	104	B0-U0-G1	926	34	B0-U0-G0	
II-FR-HS	3334	94				B0-U0-G1	3479	98	B0-U0-G1	3624	102	B0-U0-G1	3768	106	B0-U0-G1	942	35	B0-U0-G0	
III-M-HS	3316	93				B0-U0-G1	3460	97	B0-U0-G1	3604	102	B0-U0-G1	3748	106	B0-U0-G1	937	34	B0-U0-G0	
III-W-HS	3246	91				B0-U0-G1	3387	95	B0-U0-G1	3528	99	B0-U0-G1	3669	103	B0-U0-G2	917	34	B0-U0-G1	
IV-HS	3425	96				B0-U0-G1	3574	101	B0-U0-G1	3722	105	B0-U0-G1	3871	109	B0-U0-G1	968	35	B0-U0-G0	
IV-FT-HS	3237	91				B0-U0-G2	3377	95	B0-U0-G2	3518	99	B0-U0-G2	3659	103	B0-U0-G2	915	34	B0-U0-G1	
20	700	47.0				II	5637	120	B1-U0-G1	5882	125	B2-U0-G1	6127	130	B2-U0-G1	6372	136	B2-U0-G2	N/A
			II-FR	5674	121	B2-U0-G1	5921	126	B2-U0-G1	6168	131	B2-U0-G1	6414	136	B2-U0-G1				
			III-M	5735	122	B1-U0-G2	5984	127	B1-U0-G2	6234	133	B2-U0-G2	6483	138	B2-U0-G2				
			III-W	5325	113	B1-U0-G2	5556	118	B1-U0-G2	5788	123	B1-U0-G2	6019	128	B1-U0-G2				
			IV	5692	121	B1-U0-G1	5939	126	B1-U0-G2	6187	132	B2-U0-G2	6435	137	B2-U0-G2				
			IV-FT	5185	110	B1-U0-G2	5410	115	B1-U0-G2	5636	120	B1-U0-G2	5861	125	B1-U0-G2				
			VSQ-N	5949	127	B2-U0-G1	6208	132	B2-U0-G1	6466	138	B2-U0-G1	6725	143	B2-U0-G1				
			VSQ-M	5834	124	B3-U0-G1	6088	130	B3-U0-G1	6341	135	B3-U0-G1	6595	140	B3-U0-G1				
			VSQ-W	5694	121	B3-U0-G2	5942	126	B3-U0-G2	6189	132	B3-U0-G2	6437	137	B3-U0-G2				
			II-HS	4122	88	B0-U0-G1	4302	92	B0-U0-G1	4481	95	B0-U0-G1	4660	99	B1-U0-G1				
			II-FR-HS	4193	89	B0-U0-G1	4376	93	B0-U0-G1	4558	97	B0-U0-G1	4740	101	B0-U0-G1				
			III-M-HS	4170	89	B0-U0-G1	4351	93	B0-U0-G2	4533	96	B0-U0-G2	4714	100	B0-U0-G2				
			III-W-HS	4082	87	B0-U0-G2	4259	91	B0-U0-G2	4437	94	B0-U0-G2	4614	98	B0-U0-G2				
			IV-HS	4308	92	B0-U0-G1	4495	96	B0-U0-G1	4682	100	B0-U0-G2	4869	104	B0-U0-G2				
			IV-FT-HS	4071	87	B0-U0-G2	4248	90	B0-U0-G2	4425	94	B0-U0-G2	4602	98	B0-U0-G2				
			20	875	58.4	II	6639	114	B2-U0-G2	6928	119	B2-U0-G2	7216	124	B2-U0-G2	7505	129	B2-U0-G2	
II-FR	6683	114				B2-U0-G1	6974	119	B2-U0-G1	7264	124	B2-U0-G1	7555	129	B2-U0-G1				
III-M	6755	116				B2-U0-G2	7048	121	B2-U0-G2	7342	126	B2-U0-G2	7636	131	B2-U0-G2				
III-W	6272	107				B1-U0-G2	6545	112	B1-U0-G2	6817	117	B1-U0-G2	7090	121	B1-U0-G2				
IV	6704	115				B2-U0-G2	6996	120	B2-U0-G2	7287	125	B2-U0-G2	7579	130	B2-U0-G2				
IV-FT	6107	105				B1-U0-G2	6373	109	B1-U0-G2	6638	114	B1-U0-G2	6904	118	B1-U0-G2				
VSQ-N	7007	120				B2-U0-G1	7312	125	B2-U0-G1	7617	130	B2-U0-G1	7921	136	B3-U0-G1				
VSQ-M	6871	118				B3-U0-G1	7170	123	B3-U0-G1	7469	128	B3-U0-G1	7767	133	B3-U0-G2				
VSQ-W	6707	115				B3-U0-G2	6999	120	B3-U0-G2	7290	125	B3-U0-G2	7582	130	B3-U0-G2				
II-HS	4855	83				B1-U0-G2	5066	87	B1-U0-G2	5278	90	B1-U0-G2	5489	94	B1-U0-G2				
II-FR-HS	4939	85				B0-U0-G1	5154	88	B0-U0-G1	5368	92	B0-U0-G1	5583	96	B0-U0-G1				
III-M-HS	4912	84				B0-U0-G2	5126	88	B0-U0-G2	5339	91	B0-U0-G2	5553	95	B0-U0-G2				
III-W-HS	4808	82				B0-U0-G2	5017	86	B0-U0-G2	5226	89	B0-U0-G2	5436	93	B0-U0-G2				
IV-HS	5074	87				B0-U0-G2	5295	91	B0-U0-G2	5515	94	B0-U0-G2	5735	98	B0-U0-G2				
IV-FT-HS	4795	82				B0-U0-G2	5003	86	B0-U0-G2	5212	89	B0-U0-G2	5420	93	B0-U0-G2				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC18-PT-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
36	350	41.3	II	5529	134	B1-U0-G1	5769	140	B2-U0-G1	6010	146	B2-U0-G1	6250	151	B2-U0-G1	31.8	1923	60	B1-U0-G1
			II-FR	5567	135	B1-U0-G1	5809	141	B2-U0-G1	6051	147	B2-U0-G1	6293	152	B2-U0-G1		1936	61	B1-U0-G0
			III-M	5626	136	B1-U0-G1	5871	142	B1-U0-G2	6115	148	B1-U0-G2	6360	154	B2-U0-G2		1957	62	B1-U0-G1
			III-W	5224	126	B1-U0-G2	5451	132	B1-U0-G2	5678	137	B1-U0-G2	5905	143	B1-U0-G2		1817	57	B1-U0-G1
			IV	5584	135	B1-U0-G1	5826	141	B1-U0-G1	6069	147	B2-U0-G2	6312	153	B2-U0-G2		1942	61	B1-U0-G1
			IV-FT	5086	123	B1-U0-G2	5307	129	B1-U0-G2	5529	134	B1-U0-G2	5750	139	B1-U0-G2		1769	56	B1-U0-G1
			VSQ-N	5837	141	B2-U0-G1	6091	147	B2-U0-G1	6344	154	B2-U0-G1	6598	160	B2-U0-G1		2030	64	B1-U0-G0
			VSQ-M	5723	139	B3-U0-G1	5972	145	B3-U0-G1	6221	151	B3-U0-G1	6469	157	B3-U0-G1		1991	63	B1-U0-G0
			VSQ-W	5586	135	B3-U0-G2	5829	141	B3-U0-G2	6072	147	B3-U0-G2	6315	153	B3-U0-G2		1943	61	B2-U0-G1
			II-HS	4044	98	B0-U0-G1	4220	102	B0-U0-G1	4395	106	B0-U0-G1	4571	111	B1-U0-G1		1407	44	B0-U0-G0
			II-FR-HS	4114	100	B0-U0-G1	4293	104	B0-U0-G1	4471	108	B0-U0-G1	4650	113	B0-U0-G1		1431	45	B0-U0-G0
			III-M-HS	4091	99	B0-U0-G1	4269	103	B0-U0-G2	4447	108	B0-U0-G2	4624	112	B0-U0-G2		1423	45	B0-U0-G0
			III-W-HS	4005	97	B0-U0-G2	4178	101	B0-U0-G2	4353	105	B0-U0-G2	4527	110	B0-U0-G2		1393	44	B0-U0-G1
			IV-HS	4225	102	B0-U0-G1	4409	107	B0-U0-G1	4592	111	B0-U0-G1	4776	116	B0-U0-G2		1470	46	B0-U0-G0
			IV-FT-HS	3994	97	B0-U0-G2	4167	101	B0-U0-G2	4341	105	B0-U0-G2	4515	109	B0-U0-G2		1389	44	B0-U0-G1
			36	525	62.0	II	7862	127	B2-U0-G2	8204	132	B2-U0-G2	8545	138	B2-U0-G2		8887	143	B2-U0-G2
II-FR	7915	128				B2-U0-G1	8259	133	B2-U0-G1	8603	139	B2-U0-G1	8947	144	B2-U0-G1	2237	47	B1-U0-G0	
III-M	7999	129				B2-U0-G2	8347	135	B2-U0-G2	8695	140	B2-U0-G2	9043	146	B2-U0-G2	2261	47	B1-U0-G1	
III-W	7428	120				B1-U0-G2	7751	125	B1-U0-G2	8074	130	B2-U0-G2	8397	135	B2-U0-G2	2099	44	B1-U0-G1	
IV	7939	128				B2-U0-G2	8284	134	B2-U0-G2	8630	139	B2-U0-G2	8975	145	B2-U0-G2	2244	47	B1-U0-G1	
IV-FT	7232	117				B2-U0-G2	7547	122	B2-U0-G2	7861	127	B2-U0-G2	8176	132	B2-U0-G2	2044	43	B1-U0-G1	
VSQ-N	8297	134				B3-U0-G1	8658	140	B3-U0-G1	9019	145	B3-U0-G1	9380	151	B3-U0-G1	2345	49	B1-U0-G0	
VSQ-M	8137	131				B3-U0-G2	8491	137	B3-U0-G2	8844	143	B3-U0-G2	9198	148	B3-U0-G2	2299	48	B2-U0-G1	
VSQ-W	7943	128				B3-U0-G2	8289	134	B3-U0-G2	8634	139	B4-U0-G2	8980	145	B4-U0-G2	2245	47	B2-U0-G1	
II-HS	5750	93				B1-U0-G2	6000	97	B1-U0-G2	6250	101	B1-U0-G2	6500	105	B1-U0-G2	1625	34	B0-U0-G0	
II-FR-HS	5849	94				B1-U0-G1	6103	98	B1-U0-G1	6357	103	B1-U0-G1	6611	107	B1-U0-G1	1653	35	B0-U0-G0	
III-M-HS	5817	94				B0-U0-G2	6069	98	B0-U0-G2	6322	102	B0-U0-G2	6575	106	B0-U0-G2	1644	34	B0-U0-G1	
III-W-HS	5694	92				B0-U0-G2	5941	96	B0-U0-G2	6189	100	B0-U0-G2	6436	104	B0-U0-G2	1609	34	B0-U0-G1	
IV-HS	6008	97				B0-U0-G2	6269	101	B0-U0-G2	6530	105	B0-U0-G2	6791	110	B0-U0-G2	1698	36	B0-U0-G1	
IV-FT-HS	5678	92				B0-U0-G2	5925	96	B0-U0-G2	6172	100	B0-U0-G2	6419	104	B0-U0-G2	1605	34	B0-U0-G1	
36	700	82.6				II	9889	120	B2-U0-G2	10319	125	B2-U0-G2	10749	130	B2-U0-G2	11179	135	B2-U0-G2	N/A
			II-FR	9955	121	B2-U0-G1	10388	126	B2-U0-G1	10820	131	B2-U0-G1	11253	136	B3-U0-G1				
			III-M	10061	122	B2-U0-G2	10499	127	B2-U0-G2	10936	132	B2-U0-G2	11374	138	B2-U0-G2				
			III-W	9342	113	B2-U0-G3	9748	118	B2-U0-G3	10154	123	B2-U0-G3	10560	128	B2-U0-G3				
			IV	9986	121	B2-U0-G2	10420	126	B2-U0-G2	10854	131	B2-U0-G2	11289	137	B2-U0-G2				
			IV-FT	9096	110	B2-U0-G3	9492	115	B2-U0-G3	9887	120	B2-U0-G3	10283	124	B2-U0-G3				
			VSQ-N	10437	126	B3-U0-G1	10890	132	B3-U0-G1	11344	137	B3-U0-G1	11798	143	B3-U0-G1				
			VSQ-M	10235	124	B3-U0-G2	10680	129	B4-U0-G2	11125	135	B4-U0-G2	11570	140	B4-U0-G2				
			VSQ-W	9990	121	B4-U0-G3	10425	126	B4-U0-G3	10859	131	B4-U0-G3	11294	137	B4-U0-G3				
			II-HS	7232	88	B1-U0-G2	7547	91	B1-U0-G2	7861	95	B1-U0-G2	8175	99	B1-U0-G2				
			II-FR-HS	7356	89	B1-U0-G1	7676	93	B1-U0-G1	7996	97	B1-U0-G1	8315	101	B1-U0-G1				
			III-M-HS	7316	89	B0-U0-G2	7634	92	B1-U0-G2	7952	96	B1-U0-G2	8270	100	B1-U0-G2				
			III-W-HS	7161	87	B0-U0-G2	7472	90	B0-U0-G2	7784	94	B0-U0-G2	8095	98	B1-U0-G2				
			IV-HS	7557	91	B1-U0-G2	7886	95	B1-U0-G2	8214	99	B1-U0-G2	8542	103	B1-U0-G2				
			IV-FT-HS	7142	86	B1-U0-G3	7453	90	B1-U0-G3	7763	94	B1-U0-G3	8074	98	B1-U0-G3				
			36	875	103.1	II	11647	113	B2-U0-G2	12154	118	B2-U0-G2	12660	123	B2-U0-G2	13166	128	B2-U0-G2	
II-FR	11725	114				B3-U0-G1	12235	119	B3-U0-G1	12744	124	B3-U0-G1	13254	129	B3-U0-G1				
III-M	11851	115				B2-U0-G2	12366	120	B2-U0-G2	12881	125	B2-U0-G2	13396	130	B2-U0-G2				
III-W	11003	107				B2-U0-G3	11482	111	B2-U0-G3	11960	116	B2-U0-G3	12438	121	B2-U0-G3				
IV	11762	114				B2-U0-G2	12273	119	B2-U0-G2	12784	124	B2-U0-G2	13296	129	B2-U0-G2				
IV-FT	10715	104				B2-U0-G3	11180	108	B2-U0-G3	11646	113	B2-U0-G3	12112	117	B2-U0-G3				
VSQ-N	12294	119				B3-U0-G1	12828	124	B3-U0-G1	13363	130	B3-U0-G1	13897	135	B3-U0-G1				
VSQ-M	12054	117				B4-U0-G2	12578	122	B4-U0-G2	13102	127	B4-U0-G2	13627	132	B4-U0-G2				
VSQ-W	11767	114				B4-U0-G3	12278	119	B4-U0-G3	12790	124	B4-U0-G3	13302	129	B4-U0-G3				
II-HS	8518	83				B1-U0-G2	8889	86	B1-U0-G2	9259	90	B1-U0-G2	9629	93	B1-U0-G2				
II-FR-HS	8665	84				B1-U0-G1	9042	88	B1-U0-G1	9418	91	B1-U0-G1	9795	95	B1-U0-G1				
III-M-HS	8618	84				B1-U0-G2	8992	87	B1-U0-G2	9367	91	B1-U0-G2	9741	94	B1-U0-G2				
III-W-HS	8436	82				B1-U0-G2	8802	85	B1-U0-G2	9169	89	B1-U0-G2	9536	92	B1-U0-G3				
IV-HS	8901	86				B1-U0-G2	9288	90	B1-U0-G2	9675	94	B1-U0-G2	10062	98	B1-U0-G2				
IV-FT-HS	8413	82				B1-U0-G3	8778	85	B1-U0-G3	9144	89	B1-U0-G3	9510	92	B1-U0-G3				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC18-PT-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	53.6	II	7280	136	B2-U0-G2	7596	142	B2-U0-G2	7913	148	B2-U0-G2	8229	154	B2-U0-G2	41.3	2532	61	B1-U0-G1
			II-FR	7329	137	B2-U0-G1	7648	143	B2-U0-G1	7967	149	B2-U0-G1	8285	155	B2-U0-G1		2549	62	B1-U0-G1
			III-M	7407	138	B2-U0-G2	7729	144	B2-U0-G2	8052	150	B2-U0-G2	8374	156	B2-U0-G2		2577	62	B1-U0-G1
			III-W	6878	128	B1-U0-G2	7177	134	B1-U0-G2	7476	139	B1-U0-G2	7775	145	B1-U0-G2		2392	58	B1-U0-G1
			IV	7351	137	B2-U0-G2	7671	143	B2-U0-G2	7991	149	B2-U0-G2	8310	155	B2-U0-G2		2557	62	B1-U0-G1
			IV-FT	6697	125	B1-U0-G2	6988	130	B1-U0-G2	7279	136	B2-U0-G2	7570	141	B2-U0-G2		2329	56	B1-U0-G1
			VSQ-N	7685	143	B2-U0-G1	8019	150	B3-U0-G1	8353	156	B3-U0-G1	8687	162	B3-U0-G1		2673	65	B1-U0-G0
			VSQ-M	7534	141	B3-U0-G1	7862	147	B3-U0-G2	8190	153	B3-U0-G2	8517	159	B3-U0-G2		2621	63	B2-U0-G1
			VSQ-W	7355	137	B3-U0-G2	7674	143	B3-U0-G2	7994	149	B3-U0-G2	8314	155	B3-U0-G2		2558	62	B2-U0-G1
			II-HS	5324	99	B1-U0-G2	5556	104	B1-U0-G2	5787	108	B1-U0-G2	6019	112	B1-U0-G2		1852	45	B0-U0-G1
			II-FR-HS	5416	101	B0-U0-G1	5652	105	B1-U0-G1	5887	110	B1-U0-G1	6123	114	B1-U0-G1		1884	46	B0-U0-G0
			III-M-HS	5386	100	B0-U0-G2	5620	105	B0-U0-G2	5854	109	B0-U0-G2	6089	114	B0-U0-G2		1873	45	B0-U0-G1
			III-W-HS	5272	98	B0-U0-G2	5501	103	B0-U0-G2	5731	107	B0-U0-G2	5960	111	B0-U0-G2		1834	44	B0-U0-G1
			IV-HS	5563	104	B0-U0-G2	5805	108	B0-U0-G2	6047	113	B0-U0-G2	6288	117	B0-U0-G2		1935	47	B0-U0-G1
			IV-FT-HS	5258	98	B0-U0-G2	5487	102	B0-U0-G2	5715	107	B0-U0-G2	5944	111	B0-U0-G2		1829	44	B0-U0-G1
			48	525	80.7	II	10351	128	B2-U0-G2	10801	134	B2-U0-G2	11251	139	B2-U0-G2		11701	145	B2-U0-G2
II-FR	10420	129				B2-U0-G1	10873	135	B2-U0-G1	11326	140	B3-U0-G1	11779	146	B3-U0-G1	2945	47	B1-U0-G1	
III-M	10532	131				B2-U0-G2	10990	136	B2-U0-G2	11448	142	B2-U0-G2	11906	148	B2-U0-G2	2976	48	B1-U0-G1	
III-W	9780	121				B2-U0-G3	10205	126	B2-U0-G3	10630	132	B2-U0-G3	11055	137	B2-U0-G3	2764	45	B1-U0-G1	
IV	10453	130				B2-U0-G2	10907	135	B2-U0-G2	11362	141	B2-U0-G2	11816	146	B2-U0-G2	2954	48	B1-U0-G1	
IV-FT	9522	118				B2-U0-G3	9936	123	B2-U0-G3	10350	128	B2-U0-G3	10764	133	B2-U0-G3	2691	43	B1-U0-G1	
VSQ-N	10925	135				B3-U0-G1	11400	141	B3-U0-G1	11875	147	B3-U0-G1	12350	153	B3-U0-G1	3088	50	B1-U0-G0	
VSQ-M	10713	133				B4-U0-G2	11178	139	B4-U0-G2	11644	144	B4-U0-G2	12110	150	B4-U0-G2	3027	49	B2-U0-G1	
VSQ-W	10459	130				B4-U0-G3	10913	135	B4-U0-G3	11368	141	B4-U0-G3	11823	147	B4-U0-G3	2955	48	B2-U0-G1	
II-HS	7570	94				B1-U0-G2	7900	98	B1-U0-G2	8229	102	B1-U0-G2	8558	106	B1-U0-G2	2139	34	B0-U0-G1	
II-FR-HS	7700	95				B1-U0-G1	8035	100	B1-U0-G1	8370	104	B1-U0-G1	8705	108	B1-U0-G1	2176	35	B0-U0-G0	
III-M-HS	7658	95				B1-U0-G2	7991	99	B1-U0-G2	8324	103	B1-U0-G2	8657	107	B1-U0-G2	2164	35	B0-U0-G1	
III-W-HS	7496	93				B0-U0-G2	7822	97	B0-U0-G2	8148	101	B1-U0-G2	8474	105	B1-U0-G2	2118	34	B0-U0-G1	
IV-HS	7910	98				B1-U0-G2	8254	102	B1-U0-G2	8598	107	B1-U0-G2	8942	111	B1-U0-G2	2235	36	B0-U0-G1	
IV-FT-HS	7476	93				B1-U0-G3	7801	97	B1-U0-G3	8126	101	B1-U0-G3	8451	105	B1-U0-G3	2113	34	B0-U0-G1	
48	700	108.0				II	13020	121	B2-U0-G2	13586	126	B2-U0-G2	14152	131	B2-U0-G2	14718	136	B3-U0-G2	N/A
			II-FR	13106	121	B3-U0-G1	13676	127	B3-U0-G1	14246	132	B3-U0-G1	14816	137	B3-U0-G2				
			III-M	13247	123	B2-U0-G2	13823	128	B2-U0-G2	14399	133	B2-U0-G2	14975	139	B2-U0-G2				
			III-W	12299	114	B2-U0-G3	12834	119	B2-U0-G3	13369	124	B2-U0-G3	13903	129	B2-U0-G3				
			IV	13147	122	B2-U0-G2	13719	127	B2-U0-G2	14291	132	B2-U0-G2	14862	138	B2-U0-G2				
			IV-FT	11976	111	B2-U0-G3	12497	116	B2-U0-G3	13017	121	B2-U0-G3	13538	125	B2-U0-G3				
			VSQ-N	13741	127	B3-U0-G1	14338	133	B3-U0-G1	14936	138	B3-U0-G1	15533	144	B3-U0-G1				
			VSQ-M	13475	125	B4-U0-G2	14061	130	B4-U0-G2	14647	136	B4-U0-G2	15233	141	B4-U0-G2				
			VSQ-W	13153	122	B4-U0-G3	13725	127	B4-U0-G3	14297	132	B4-U0-G3	14869	138	B4-U0-G3				
			II-HS	9522	88	B1-U0-G2	9936	92	B1-U0-G2	10350	96	B1-U0-G2	10763	100	B1-U0-G2				
			II-FR-HS	9685	90	B1-U0-G1	10106	94	B1-U0-G1	10527	97	B1-U0-G1	10948	101	B1-U0-G1				
			III-M-HS	9632	89	B1-U0-G2	10051	93	B1-U0-G2	10469	97	B1-U0-G2	10888	101	B1-U0-G2				
			III-W-HS	9428	87	B1-U0-G3	9838	91	B1-U0-G3	10248	95	B1-U0-G3	10658	99	B1-U0-G3				
			IV-HS	9950	92	B1-U0-G2	10382	96	B1-U0-G2	10815	100	B1-U0-G2	11247	104	B1-U0-G2				
			IV-FT-HS	9403	87	B1-U0-G3	9812	91	B1-U0-G3	10221	95	B1-U0-G3	10630	98	B1-U0-G3				
			48	875	134.7	II	15335	114	B3-U0-G2	16001	119	B3-U0-G3	16668	124	B3-U0-G3	17335	129	B3-U0-G3	
II-FR	15437	115				B3-U0-G2	16108	120	B3-U0-G2	16779	125	B3-U0-G2	17450	130	B3-U0-G2				
III-M	15602	116				B3-U0-G2	16281	121	B3-U0-G3	16959	126	B3-U0-G3	17637	131	B3-U0-G3				
III-W	14487	108				B2-U0-G2	15117	112	B2-U0-G3	15746	117	B3-U0-G3	16376	122	B3-U0-G3				
IV	15485	115				B3-U0-G2	16159	120	B3-U0-G2	16832	125	B3-U0-G3	17505	130	B3-U0-G3				
IV-FT	14107	105				B2-U0-G3	14720	109	B3-U0-G3	15333	114	B3-U0-G3	15947	118	B3-U0-G3				
VSQ-N	16186	120				B4-U0-G1	16889	125	B4-U0-G2	17593	131	B4-U0-G2	18297	136	B4-U0-G2				
VSQ-M	15871	118				B4-U0-G2	16561	123	B4-U0-G2	17251	128	B4-U0-G2	17941	133	B4-U0-G2				
VSQ-W	15492	115				B4-U0-G3	16166	120	B4-U0-G3	16839	125	B4-U0-G3	17513	130	B5-U0-G3				
II-HS	11215	83				B1-U0-G2	11703	87	B1-U0-G2	12190	90	B1-U0-G2	12678	94	B1-U0-G2				
II-FR-HS	11408	85				B1-U0-G2	11904	88	B1-U0-G2	12400	92	B1-U0-G2	12896	96	B1-U0-G2				
III-M-HS	11346	84				B1-U0-G2	11839	88	B1-U0-G3	12332	92	B1-U0-G3	12826	95	B1-U0-G3				
III-W-HS	11106	82				B1-U0-G3	11589	86	B1-U0-G3	12072	90	B1-U0-G3	12555	93	B1-U0-G3				
IV-HS	11719	87				B1-U0-G2	12229	91	B1-U0-G2	12738	95	B1-U0-G2	13248	98	B1-U0-G3				
IV-FT-HS	11076	82				B1-U0-G3	11557	86	B1-U0-G3	12039	89	B1-U0-G3	12521	93	B1-U0-G3				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC24-PT-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
36	350	41.3	II	5529	134	B1-U0-G1	5769	140	B2-U0-G1	6010	146	B2-U0-G1	6250	151	B2-U0-G1	31.8	1923	60	B1-U0-G1
			II-FR	5567	135	B1-U0-G1	5809	141	B2-U0-G1	6051	147	B2-U0-G1	6293	152	B2-U0-G1		1936	61	B1-U0-G0
			III-M	5626	136	B1-U0-G1	5871	142	B1-U0-G2	6115	148	B1-U0-G2	6360	154	B2-U0-G2		1957	62	B1-U0-G1
			III-W	5224	126	B1-U0-G2	5451	132	B1-U0-G2	5678	137	B1-U0-G2	5905	143	B1-U0-G2		1817	57	B1-U0-G1
			IV	5584	135	B1-U0-G1	5826	141	B1-U0-G1	6069	147	B2-U0-G2	6312	153	B2-U0-G2		1942	61	B1-U0-G1
			IV-FT	5086	123	B1-U0-G2	5307	129	B1-U0-G2	5529	134	B1-U0-G2	5750	139	B1-U0-G2		1769	56	B1-U0-G1
			VSQ-N	5837	141	B2-U0-G1	6091	147	B2-U0-G1	6344	154	B2-U0-G1	6598	160	B2-U0-G1		2030	64	B1-U0-G0
			VSQ-M	5723	139	B3-U0-G1	5972	145	B3-U0-G1	6221	151	B3-U0-G1	6469	157	B3-U0-G1		1991	63	B1-U0-G0
			VSQ-W	5586	135	B3-U0-G2	5829	141	B3-U0-G2	6072	147	B3-U0-G2	6315	153	B3-U0-G2		1943	61	B2-U0-G1
			II-HS	4044	98	B0-U0-G1	4220	102	B0-U0-G1	4395	106	B0-U0-G1	4571	111	B1-U0-G1		1407	44	B0-U0-G0
			II-FR-HS	4114	100	B0-U0-G1	4293	104	B0-U0-G1	4471	108	B0-U0-G1	4650	113	B0-U0-G1		1431	45	B0-U0-G0
			III-M-HS	4091	99	B0-U0-G1	4269	103	B0-U0-G2	4447	108	B0-U0-G2	4624	112	B0-U0-G2		1423	45	B0-U0-G0
			III-W-HS	4005	97	B0-U0-G2	4178	101	B0-U0-G2	4353	105	B0-U0-G2	4527	110	B0-U0-G2		1393	44	B0-U0-G1
			IV-HS	4225	102	B0-U0-G1	4409	107	B0-U0-G1	4592	111	B0-U0-G1	4776	116	B0-U0-G2		1470	46	B0-U0-G0
			IV-FT-HS	3994	97	B0-U0-G2	4167	101	B0-U0-G2	4341	105	B0-U0-G2	4515	109	B0-U0-G2		1389	44	B0-U0-G1
			36	525	62.0	II	7862	127	B2-U0-G2	8204	132	B2-U0-G2	8545	138	B2-U0-G2		8887	143	B2-U0-G2
II-FR	7915	128				B2-U0-G1	8259	133	B2-U0-G1	8603	139	B2-U0-G1	8947	144	B2-U0-G1	2237	47	B1-U0-G0	
III-M	7999	129				B2-U0-G2	8347	135	B2-U0-G2	8695	140	B2-U0-G2	9043	146	B2-U0-G2	2261	47	B1-U0-G1	
III-W	7428	120				B1-U0-G2	7751	125	B1-U0-G2	8074	130	B2-U0-G2	8397	135	B2-U0-G2	2099	44	B1-U0-G1	
IV	7939	128				B2-U0-G2	8284	134	B2-U0-G2	8630	139	B2-U0-G2	8975	145	B2-U0-G2	2244	47	B1-U0-G1	
IV-FT	7232	117				B2-U0-G2	7547	122	B2-U0-G2	7861	127	B2-U0-G2	8176	132	B2-U0-G2	2044	43	B1-U0-G1	
VSQ-N	8297	134				B3-U0-G1	8658	140	B3-U0-G1	9019	145	B3-U0-G1	9380	151	B3-U0-G1	2345	49	B1-U0-G0	
VSQ-M	8137	131				B3-U0-G2	8491	137	B3-U0-G2	8844	143	B3-U0-G2	9198	148	B3-U0-G2	2299	48	B2-U0-G1	
VSQ-W	7943	128				B3-U0-G2	8289	134	B3-U0-G2	8634	139	B4-U0-G2	8980	145	B4-U0-G2	2245	47	B2-U0-G1	
II-HS	5750	93				B1-U0-G2	6000	97	B1-U0-G2	6250	101	B1-U0-G2	6500	105	B1-U0-G2	1625	34	B0-U0-G0	
II-FR-HS	5849	94				B1-U0-G1	6103	98	B1-U0-G1	6357	103	B1-U0-G1	6611	107	B1-U0-G1	1653	35	B0-U0-G0	
III-M-HS	5817	94				B0-U0-G2	6069	98	B0-U0-G2	6322	102	B0-U0-G2	6575	106	B0-U0-G2	1644	34	B0-U0-G1	
III-W-HS	5694	92				B0-U0-G2	5941	96	B0-U0-G2	6189	100	B0-U0-G2	6436	104	B0-U0-G2	1609	34	B0-U0-G1	
IV-HS	6008	97				B0-U0-G2	6269	101	B0-U0-G2	6530	105	B0-U0-G2	6791	110	B0-U0-G2	1698	36	B0-U0-G1	
IV-FT-HS	5678	92				B0-U0-G2	5925	96	B0-U0-G2	6172	100	B0-U0-G2	6419	104	B0-U0-G2	1605	34	B0-U0-G1	
36	700	82.6				II	9889	120	B2-U0-G2	10319	125	B2-U0-G2	10749	130	B2-U0-G2	11179	135	B2-U0-G2	N/A
			II-FR	9955	121	B2-U0-G1	10388	126	B2-U0-G1	10820	131	B2-U0-G1	11253	136	B3-U0-G1				
			III-M	10061	122	B2-U0-G2	10499	127	B2-U0-G2	10936	132	B2-U0-G2	11374	138	B2-U0-G2				
			III-W	9342	113	B2-U0-G3	9748	118	B2-U0-G3	10154	123	B2-U0-G3	10560	128	B2-U0-G3				
			IV	9986	121	B2-U0-G2	10420	126	B2-U0-G2	10854	131	B2-U0-G2	11289	137	B2-U0-G2				
			IV-FT	9096	110	B2-U0-G3	9492	115	B2-U0-G3	9887	120	B2-U0-G3	10283	124	B2-U0-G3				
			VSQ-N	10437	126	B3-U0-G1	10890	132	B3-U0-G1	11344	137	B3-U0-G1	11798	143	B3-U0-G1				
			VSQ-M	10235	124	B3-U0-G2	10680	129	B4-U0-G2	11125	135	B4-U0-G2	11570	140	B4-U0-G2				
			VSQ-W	9990	121	B4-U0-G3	10425	126	B4-U0-G3	10859	131	B4-U0-G3	11294	137	B4-U0-G3				
			II-HS	7232	88	B1-U0-G2	7547	91	B1-U0-G2	7861	95	B1-U0-G2	8175	99	B1-U0-G2				
			II-FR-HS	7356	89	B1-U0-G1	7676	93	B1-U0-G1	7996	97	B1-U0-G1	8315	101	B1-U0-G1				
			III-M-HS	7316	89	B0-U0-G2	7634	92	B1-U0-G2	7952	96	B1-U0-G2	8270	100	B1-U0-G2				
			III-W-HS	7161	87	B0-U0-G2	7472	90	B0-U0-G2	7784	94	B0-U0-G2	8095	98	B1-U0-G2				
			IV-HS	7557	91	B1-U0-G2	7886	95	B1-U0-G2	8214	99	B1-U0-G2	8542	103	B1-U0-G2				
			IV-FT-HS	7142	86	B1-U0-G3	7453	90	B1-U0-G3	7763	94	B1-U0-G3	8074	98	B1-U0-G3				
			36	875	103.1	II	11647	113	B2-U0-G2	12154	118	B2-U0-G2	12660	123	B2-U0-G2	13166	128	B2-U0-G2	
II-FR	11725	114				B3-U0-G1	12235	119	B3-U0-G1	12744	124	B3-U0-G1	13254	129	B3-U0-G1				
III-M	11851	115				B2-U0-G2	12366	120	B2-U0-G2	12881	125	B2-U0-G2	13396	130	B2-U0-G2				
III-W	11003	107				B2-U0-G3	11482	111	B2-U0-G3	11960	116	B2-U0-G3	12438	121	B2-U0-G3				
IV	11762	114				B2-U0-G2	12273	119	B2-U0-G2	12784	124	B2-U0-G2	13296	129	B2-U0-G2				
IV-FT	10715	104				B2-U0-G3	11180	108	B2-U0-G3	11646	113	B2-U0-G3	12112	117	B2-U0-G3				
VSQ-N	12294	119				B3-U0-G1	12828	124	B3-U0-G1	13363	130	B3-U0-G1	13897	135	B3-U0-G1				
VSQ-M	12054	117				B4-U0-G2	12578	122	B4-U0-G2	13102	127	B4-U0-G2	13627	132	B4-U0-G2				
VSQ-W	11767	114				B4-U0-G3	12278	119	B4-U0-G3	12790	124	B4-U0-G3	13302	129	B4-U0-G3				
II-HS	8518	83				B1-U0-G2	8889	86	B1-U0-G2	9259	90	B1-U0-G2	9629	93	B1-U0-G2				
II-FR-HS	8665	84				B1-U0-G1	9042	88	B1-U0-G1	9418	91	B1-U0-G1	9795	95	B1-U0-G1				
III-M-HS	8618	84				B1-U0-G2	8992	87	B1-U0-G2	9367	91	B1-U0-G2	9741	94	B1-U0-G2				
III-W-HS	8436	82				B1-U0-G2	8802	85	B1-U0-G2	9169	89	B1-U0-G2	9536	92	B1-U0-G3				
IV-HS	8901	86				B1-U0-G2	9288	90	B1-U0-G2	9675	94	B1-U0-G2	10062	98	B1-U0-G2				
IV-FT-HS	8413	82				B1-U0-G3	8778	85	B1-U0-G3	9144	89	B1-U0-G3	9510	92	B1-U0-G3				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC24-PT-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	53.6	II	7280	136	B2-U0-G2	7596	142	B2-U0-G2	7913	148	B2-U0-G2	8229	154	B2-U0-G2	41.3	2532	61	B1-U0-G1
			II-FR	7329	137	B2-U0-G1	7648	143	B2-U0-G1	7967	149	B2-U0-G1	8285	155	B2-U0-G1		2549	62	B1-U0-G1
			III-M	7407	138	B2-U0-G2	7729	144	B2-U0-G2	8052	150	B2-U0-G2	8374	156	B2-U0-G2		2577	62	B1-U0-G1
			III-W	6878	128	B1-U0-G2	7177	134	B1-U0-G2	7476	139	B1-U0-G2	7775	145	B1-U0-G2		2392	58	B1-U0-G1
			IV	7351	137	B2-U0-G2	7671	143	B2-U0-G2	7991	149	B2-U0-G2	8310	155	B2-U0-G2		2557	62	B1-U0-G1
			IV-FT	6697	125	B1-U0-G2	6988	130	B1-U0-G2	7279	136	B2-U0-G2	7570	141	B2-U0-G2		2329	56	B1-U0-G1
			VSQ-N	7685	143	B2-U0-G1	8019	150	B3-U0-G1	8353	156	B3-U0-G1	8687	162	B3-U0-G1		2673	65	B1-U0-G0
			VSQ-M	7534	141	B3-U0-G1	7862	147	B3-U0-G2	8190	153	B3-U0-G2	8517	159	B3-U0-G2		2621	63	B2-U0-G1
			VSQ-W	7355	137	B3-U0-G2	7674	143	B3-U0-G2	7994	149	B3-U0-G2	8314	155	B3-U0-G2		2558	62	B2-U0-G1
			II-HS	5324	99	B1-U0-G2	5556	104	B1-U0-G2	5787	108	B1-U0-G2	6019	112	B1-U0-G2		1852	45	B0-U0-G1
			II-FR-HS	5416	101	B0-U0-G1	5652	105	B1-U0-G1	5887	110	B1-U0-G1	6123	114	B1-U0-G1		1884	46	B0-U0-G0
			III-M-HS	5386	100	B0-U0-G2	5620	105	B0-U0-G2	5854	109	B0-U0-G2	6089	114	B0-U0-G2		1873	45	B0-U0-G1
			III-W-HS	5272	98	B0-U0-G2	5501	103	B0-U0-G2	5731	107	B0-U0-G2	5960	111	B0-U0-G2		1834	44	B0-U0-G1
			IV-HS	5563	104	B0-U0-G2	5805	108	B0-U0-G2	6047	113	B0-U0-G2	6288	117	B0-U0-G2		1935	47	B0-U0-G1
			IV-FT-HS	5258	98	B0-U0-G2	5487	102	B0-U0-G2	5715	107	B0-U0-G2	5944	111	B0-U0-G2		1829	44	B0-U0-G1
			48	525	80.7	II	10351	128	B2-U0-G2	10801	134	B2-U0-G2	11251	139	B2-U0-G2		11701	145	B2-U0-G2
II-FR	10420	129				B2-U0-G1	10873	135	B2-U0-G1	11326	140	B3-U0-G1	11779	146	B3-U0-G1	2945	47	B1-U0-G1	
III-M	10532	131				B2-U0-G2	10990	136	B2-U0-G2	11448	142	B2-U0-G2	11906	148	B2-U0-G2	2976	48	B1-U0-G1	
III-W	9780	121				B2-U0-G3	10205	126	B2-U0-G3	10630	132	B2-U0-G3	11055	137	B2-U0-G3	2764	45	B1-U0-G1	
IV	10453	130				B2-U0-G2	10907	135	B2-U0-G2	11362	141	B2-U0-G2	11816	146	B2-U0-G2	2954	48	B1-U0-G1	
IV-FT	9522	118				B2-U0-G3	9936	123	B2-U0-G3	10350	128	B2-U0-G3	10764	133	B2-U0-G3	2691	43	B1-U0-G1	
VSQ-N	10925	135				B3-U0-G1	11400	141	B3-U0-G1	11875	147	B3-U0-G1	12350	153	B3-U0-G1	3088	50	B1-U0-G0	
VSQ-M	10713	133				B4-U0-G2	11178	139	B4-U0-G2	11644	144	B4-U0-G2	12110	150	B4-U0-G2	3027	49	B2-U0-G1	
VSQ-W	10459	130				B4-U0-G3	10913	135	B4-U0-G3	11368	141	B4-U0-G3	11823	147	B4-U0-G3	2955	48	B2-U0-G1	
II-HS	7570	94				B1-U0-G2	7900	98	B1-U0-G2	8229	102	B1-U0-G2	8558	106	B1-U0-G2	2139	34	B0-U0-G1	
II-FR-HS	7700	95				B1-U0-G1	8035	100	B1-U0-G1	8370	104	B1-U0-G1	8705	108	B1-U0-G1	2176	35	B0-U0-G0	
III-M-HS	7658	95				B1-U0-G2	7991	99	B1-U0-G2	8324	103	B1-U0-G2	8657	107	B1-U0-G2	2164	35	B0-U0-G1	
III-W-HS	7496	93				B0-U0-G2	7822	97	B0-U0-G2	8148	101	B1-U0-G2	8474	105	B1-U0-G2	2118	34	B0-U0-G1	
IV-HS	7910	98				B1-U0-G2	8254	102	B1-U0-G2	8598	107	B1-U0-G2	8942	111	B1-U0-G2	2235	36	B0-U0-G1	
IV-FT-HS	7476	93				B1-U0-G3	7801	97	B1-U0-G3	8126	101	B1-U0-G3	8451	105	B1-U0-G3	2113	34	B0-U0-G1	
48	700	108.0				II	13020	121	B2-U0-G2	13586	126	B2-U0-G2	14152	131	B2-U0-G2	14718	136	B3-U0-G2	N/A
			II-FR	13106	121	B3-U0-G1	13676	127	B3-U0-G1	14246	132	B3-U0-G1	14816	137	B3-U0-G2				
			III-M	13247	123	B2-U0-G2	13823	128	B2-U0-G2	14399	133	B2-U0-G2	14975	139	B2-U0-G2				
			III-W	12299	114	B2-U0-G3	12834	119	B2-U0-G3	13369	124	B2-U0-G3	13903	129	B2-U0-G3				
			IV	13147	122	B2-U0-G2	13719	127	B2-U0-G2	14291	132	B2-U0-G2	14862	138	B2-U0-G2				
			IV-FT	11976	111	B2-U0-G3	12497	116	B2-U0-G3	13017	121	B2-U0-G3	13538	125	B2-U0-G3				
			VSQ-N	13741	127	B3-U0-G1	14338	133	B3-U0-G1	14936	138	B3-U0-G1	15533	144	B3-U0-G1				
			VSQ-M	13475	125	B4-U0-G2	14061	130	B4-U0-G2	14647	136	B4-U0-G2	15233	141	B4-U0-G2				
			VSQ-W	13153	122	B4-U0-G3	13725	127	B4-U0-G3	14297	132	B4-U0-G3	14869	138	B4-U0-G3				
			II-HS	9522	88	B1-U0-G2	9936	92	B1-U0-G2	10350	96	B1-U0-G2	10763	100	B1-U0-G2				
			II-FR-HS	9685	90	B1-U0-G1	10106	94	B1-U0-G1	10527	97	B1-U0-G1	10948	101	B1-U0-G1				
			III-M-HS	9632	89	B1-U0-G2	10051	93	B1-U0-G2	10469	97	B1-U0-G2	10888	101	B1-U0-G2				
			III-W-HS	9428	87	B1-U0-G3	9838	91	B1-U0-G3	10248	95	B1-U0-G3	10658	99	B1-U0-G3				
			IV-HS	9950	92	B1-U0-G2	10382	96	B1-U0-G2	10815	100	B1-U0-G2	11247	104	B1-U0-G2				
			IV-FT-HS	9403	87	B1-U0-G3	9812	91	B1-U0-G3	10221	95	B1-U0-G3	10630	98	B1-U0-G3				
			48	875	134.7	II	15335	114	B3-U0-G2	16001	119	B3-U0-G3	16668	124	B3-U0-G3	17335	129	B3-U0-G3	
II-FR	15437	115				B3-U0-G2	16108	120	B3-U0-G2	16779	125	B3-U0-G2	17450	130	B3-U0-G2				
III-M	15602	116				B3-U0-G2	16281	121	B3-U0-G3	16959	126	B3-U0-G3	17637	131	B3-U0-G3				
III-W	14487	108				B2-U0-G2	15117	112	B2-U0-G3	15746	117	B3-U0-G3	16376	122	B3-U0-G3				
IV	15485	115				B3-U0-G2	16159	120	B3-U0-G2	16832	125	B3-U0-G3	17505	130	B3-U0-G3				
IV-FT	14107	105				B2-U0-G3	14720	109	B3-U0-G3	15333	114	B3-U0-G3	15947	118	B3-U0-G3				
VSQ-N	16186	120				B4-U0-G1	16889	125	B4-U0-G2	17593	131	B4-U0-G2	18297	136	B4-U0-G2				
VSQ-M	15871	118				B4-U0-G2	16561	123	B4-U0-G2	17251	128	B4-U0-G2	17941	133	B4-U0-G2				
VSQ-W	15492	115				B4-U0-G3	16166	120	B4-U0-G3	16839	125	B4-U0-G3	17513	130	B5-U0-G3				
II-HS	11215	83				B1-U0-G2	11703	87	B1-U0-G2	12190	90	B1-U0-G2	12678	94	B1-U0-G2				
II-FR-HS	11408	85				B1-U0-G2	11904	88	B1-U0-G2	12400	92	B1-U0-G2	12896	96	B1-U0-G2				
III-M-HS	11346	84				B1-U0-G2	11839	88	B1-U0-G3	12332	92	B1-U0-G3	12826	95	B1-U0-G3				
III-W-HS	11106	82				B1-U0-G3	11589	86	B1-U0-G3	12072	90	B1-U0-G3	12555	93	B1-U0-G3				
IV-HS	11719	87				B1-U0-G2	12229	91	B1-U0-G2	12738	95	B1-U0-G2	13248	98	B1-U0-G3				
IV-FT-HS	11076	82				B1-U0-G3	11557	86	B1-U0-G3	12039	89	B1-U0-G3	12521	93	B1-U0-G3				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

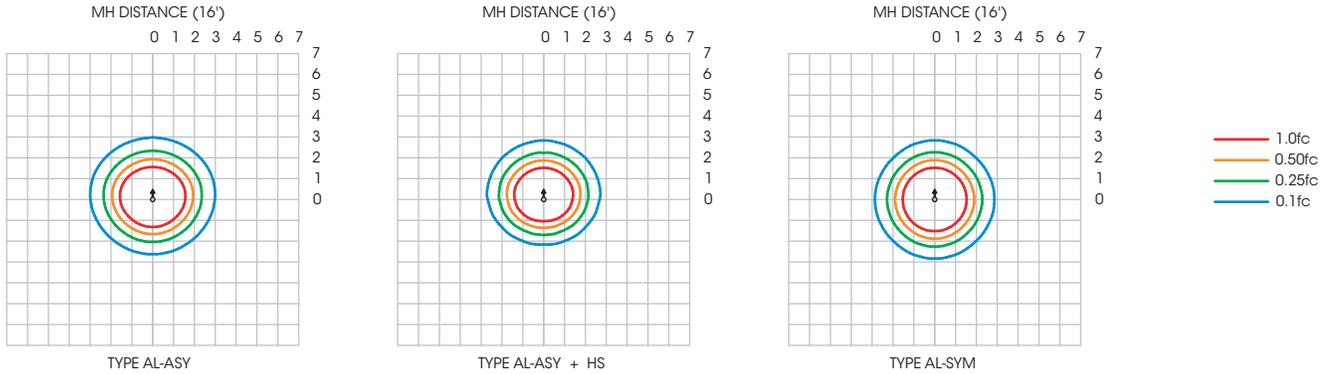
PAC24-PT-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	85.8	II	11652	136	B2-U0-G2	12159	142	B2-U0-G2	12665	148	B2-U0-G2	13172	154	B2-U0-G2	66.1	4053	61	B1-U0-G1
			II-FR	11730	137	B3-U0-G1	12240	143	B3-U0-G1	12750	149	B3-U0-G1	13260	155	B3-U0-G1		4080	62	B1-U0-G1
			III-M	11856	138	B2-U0-G2	12371	144	B2-U0-G2	12887	150	B2-U0-G2	13403	156	B2-U0-G2		4124	62	B1-U0-G1
			III-W	11008	128	B2-U0-G3	11487	134	B2-U0-G3	11965	139	B2-U0-G3	12444	145	B2-U0-G3		3829	58	B1-U0-G1
			IV	11767	137	B2-U0-G2	12279	143	B2-U0-G2	12790	149	B2-U0-G2	13302	155	B2-U0-G2		4093	62	B1-U0-G1
			IV-FT	10719	125	B2-U0-G3	11185	130	B2-U0-G3	11651	136	B2-U0-G3	12117	141	B2-U0-G3		3728	56	B1-U0-G2
			VSQ-N	12299	143	B3-U0-G1	12833	150	B3-U0-G1	13368	156	B3-U0-G1	13903	162	B3-U0-G1		4278	65	B2-U0-G0
			VSQ-M	12060	141	B4-U0-G2	12584	147	B4-U0-G2	13109	153	B4-U0-G2	13633	159	B4-U0-G2		4195	63	B2-U0-G1
			VSQ-W	11772	137	B4-U0-G3	12284	143	B4-U0-G3	12796	149	B4-U0-G3	13308	155	B4-U0-G3		4095	62	B3-U0-G1
			II-HS	8522	99	B1-U0-G2	8892	104	B1-U0-G2	9263	108	B1-U0-G2	9633	112	B1-U0-G2		2964	45	B0-U0-G1
			II-FR-HS	8669	101	B1-U0-G1	9046	105	B1-U0-G1	9422	110	B1-U0-G1	9799	114	B1-U0-G1		3015	46	B0-U0-G0
			III-M-HS	8622	100	B1-U0-G2	8997	105	B1-U0-G2	9371	109	B1-U0-G2	9746	114	B1-U0-G2		2999	45	B0-U0-G1
			III-W-HS	8439	98	B1-U0-G2	8806	103	B1-U0-G2	9173	107	B1-U0-G2	9540	111	B1-U0-G3		2935	44	B0-U0-G1
			IV-HS	8905	104	B1-U0-G2	9292	108	B1-U0-G2	9679	113	B1-U0-G2	10066	117	B1-U0-G2		3097	47	B0-U0-G1
			IV-FT-HS	8416	98	B1-U0-G3	8782	102	B1-U0-G3	9148	107	B1-U0-G3	9514	111	B1-U0-G3		2927	44	B0-U0-G1
			80	525	129.7	II	16744	129	B3-U0-G3	17472	135	B3-U0-G3	18200	140	B3-U0-G3		18928	146	B3-U0-G3
II-FR	16857	130				B3-U0-G2	17589	136	B3-U0-G2	18322	141	B3-U0-G2	19055	147	B3-U0-G2	4764	48	B1-U0-G1	
III-M	17037	131				B3-U0-G3	17778	137	B3-U0-G3	18518	143	B3-U0-G3	19259	148	B3-U0-G3	4815	48	B1-U0-G1	
III-W	15819	122				B3-U0-G3	16507	127	B3-U0-G3	17195	133	B3-U0-G3	17882	138	B3-U0-G3	4471	45	B1-U0-G2	
IV	16909	130				B3-U0-G3	17644	136	B3-U0-G3	18379	142	B3-U0-G3	19114	147	B3-U0-G3	4779	48	B1-U0-G1	
IV-FT	15403	119				B3-U0-G3	16073	124	B3-U0-G4	16742	129	B3-U0-G4	17412	134	B3-U0-G4	4353	44	B1-U0-G2	
VSQ-N	17673	136				B4-U0-G2	18441	142	B4-U0-G2	19210	148	B4-U0-G2	19978	154	B4-U0-G2	4994	50	B2-U0-G1	
VSQ-M	17331	134				B4-U0-G2	18084	139	B4-U0-G2	18837	145	B4-U0-G2	19591	151	B4-U0-G2	4898	49	B3-U0-G1	
VSQ-W	16917	130				B5-U0-G3	17652	136	B5-U0-G3	18387	142	B5-U0-G3	19123	147	B5-U0-G3	4781	48	B3-U0-G2	
II-HS	12246	94				B1-U0-G2	12778	99	B1-U0-G2	13311	103	B1-U0-G3	13843	107	B1-U0-G3	3461	35	B0-U0-G1	
II-FR-HS	12457	96				B1-U0-G2	12998	100	B1-U0-G2	13540	104	B1-U0-G2	14081	109	B1-U0-G2	3520	35	B0-U0-G1	
III-M-HS	12389	96				B1-U0-G3	12928	100	B1-U0-G3	13466	104	B1-U0-G3	14005	108	B1-U0-G3	3501	35	B0-U0-G1	
III-W-HS	12127	93				B1-U0-G3	12654	98	B1-U0-G3	13181	102	B1-U0-G3	13708	106	B1-U0-G3	3427	34	B0-U0-G1	
IV-HS	12797	99				B1-U0-G2	13353	103	B1-U0-G3	13909	107	B1-U0-G3	14465	112	B1-U0-G3	3616	36	B0-U0-G1	
IV-FT-HS	12093	93				B1-U0-G3	12619	97	B1-U0-G3	13145	101	B1-U0-G3	13671	105	B1-U0-G3	3418	34	B0-U0-G2	
80	700	173.5				II	21195	122	B3-U0-G3	22116	127	B3-U0-G3	23038	133	B3-U0-G3	23960	138	B3-U0-G3	N/A
			II-FR	21337	123	B3-U0-G2	22265	128	B3-U0-G2	23193	134	B3-U0-G2	24121	139	B3-U0-G2				
			III-M	21566	124	B3-U0-G3	22504	130	B3-U0-G3	23441	135	B3-U0-G3	24379	141	B3-U0-G4				
			III-W	20024	115	B3-U0-G4	20894	120	B3-U0-G4	21765	125	B3-U0-G4	22636	130	B3-U0-G4				
			IV	21404	123	B3-U0-G3	22335	129	B3-U0-G3	23265	134	B3-U0-G3	24196	139	B3-U0-G3				
			IV-FT	19498	112	B3-U0-G4	20346	117	B3-U0-G4	21193	122	B3-U0-G4	22041	127	B3-U0-G4				
			VSQ-N	22371	129	B4-U0-G2	23343	135	B4-U0-G2	24316	140	B4-U0-G2	25289	146	B4-U0-G2				
			VSQ-M	21937	126	B5-U0-G3	22891	132	B5-U0-G3	23845	137	B5-U0-G3	24799	143	B5-U0-G3				
			VSQ-W	21413	123	B5-U0-G4	22344	129	B5-U0-G4	23275	134	B5-U0-G4	24206	140	B5-U0-G4				
			II-HS	15501	89	B1-U0-G3	16175	93	B1-U0-G3	16849	97	B1-U0-G3	17523	101	B1-U0-G3				
			II-FR-HS	15768	91	B1-U0-G2	16454	95	B1-U0-G2	17139	99	B1-U0-G2	17824	103	B1-U0-G2				
			III-M-HS	15683	90	B1-U0-G3	16365	94	B1-U0-G3	17046	98	B1-U0-G3	17728	102	B1-U0-G4				
			III-W-HS	15350	88	B1-U0-G4	16018	92	B1-U0-G4	16685	96	B1-U0-G4	17353	100	B1-U0-G4				
			IV-HS	16198	93	B1-U0-G3	16902	97	B1-U0-G3	17606	101	B1-U0-G3	18310	106	B1-U0-G3				
			IV-FT-HS	15308	88	B1-U0-G4	15974	92	B1-U0-G4	16639	96	B1-U0-G4	17305	100	B1-U0-G4				
			80	875	221.5	II	25400	115	B3-U0-G3	26504	120	B3-U0-G4	27608	125	B3-U0-G4	28713	130	B3-U0-G4	
II-FR	25570	115				B3-U0-G2	26682	120	B3-U0-G2	27794	125	B3-U0-G2	28905	130	B4-U0-G2				
III-M	25844	117				B3-U0-G4	26967	122	B3-U0-G4	28091	127	B3-U0-G4	29215	132	B3-U0-G4				
III-W	23996	108				B3-U0-G4	25040	113	B3-U0-G4	26083	118	B3-U0-G4	27126	122	B3-U0-G4				
IV	25650	116				B3-U0-G4	26765	121	B3-U0-G4	27880	126	B3-U0-G4	28996	131	B3-U0-G4				
IV-FT	23365	105				B3-U0-G4	24381	110	B3-U0-G5	25397	115	B3-U0-G5	26413	119	B3-U0-G5				
VSQ-N	26808	121				B5-U0-G2	27974	126	B5-U0-G2	29139	132	B5-U0-G2	30305	137	B5-U0-G2				
VSQ-M	26289	119				B5-U0-G3	27432	124	B5-U0-G3	28575	129	B5-U0-G3	29718	134	B5-U0-G3				
VSQ-W	25661	116				B5-U0-G4	26777	121	B5-U0-G4	27893	126	B5-U0-G4	29008	131	B5-U0-G4				
II-HS	18576	84				B1-U0-G3	19384	88	B1-U0-G3	20191	91	B1-U0-G4	20999	95	B2-U0-G4				
II-FR-HS	18896	85				B1-U0-G2	19717	89	B1-U0-G2	20539	93	B1-U0-G2	21360	96	B1-U0-G2				
III-M-HS	18794	85				B1-U0-G4	19611	89	B1-U0-G4	20428	92	B1-U0-G4	21245	96	B1-U0-G4				
III-W-HS	18395	83				B1-U0-G4	19195	87	B1-U0-G4	19995	90	B1-U0-G4	20795	94	B1-U0-G4				
IV-HS	19411	88				B1-U0-G4	20255	91	B1-U0-G4	21099	95	B1-U0-G4	21943	99	B1-U0-G4				
IV-FT-HS	18345	83				B1-U0-G4	19143	86	B1-U0-G4	19940	90	B1-U0-G4	20738	94	B1-U0-G4				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC18-PT-PLED-AL-48LED-525mA-40K - 16' Mounting Height (14' Pole)



PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED-AL)

PAC18-PT-PLED-AL																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING									
48	175	26.5	ASY	2953	111	B1-U0-G1	3081	116	B1-U0-G1	3210	121	B1-U0-G1	3338	126	B1-U0-G1	20.4	1156	57	B1-U0-G1
			SYM	2956	112	B1-U0-G1	3085	116	B1-U0-G1	3213	121	B1-U0-G1	3342	126	B1-U0-G1		1157	57	B1-U0-G0
			ASY-HS	2113	80	B1-U0-G1	2205	83	B1-U0-G1	2297	87	B1-U0-G1	2389	90	B1-U0-G1		827	41	B0-U0-G0
48	350	53.6	ASY	5572	104	B2-U0-G1	5814	108	B2-U0-G1	6057	113	B2-U0-G1	6299	118	B2-U0-G2	41.3	1938	47	B1-U0-G1
			SYM	5578	104	B2-U0-G1	5820	109	B2-U0-G1	6063	113	B2-U0-G1	6306	118	B2-U0-G1		1940	47	B1-U0-G0
			ASY-HS	3987	74	B1-U0-G1	4160	78	B1-U0-G1	4334	81	B1-U0-G1	4508	84	B1-U0-G1		1387	34	B1-U0-G0
48	525	80.7	ASY	7923	98	B2-U0-G2	8268	102	B3-U0-G2	8612	107	B3-U0-G2	8957	111	B3-U0-G2	62.1	2239	36	B1-U0-G1
			SYM	7932	98	B3-U0-G1	8276	103	B3-U0-G1	8622	107	B3-U0-G1	8966	111	B3-U0-G1		2241	36	B1-U0-G1
			ASY-HS	5670	70	B2-U0-G1	5916	73	B2-U0-G1	6163	76	B2-U0-G1	6409	79	B2-U0-G1		1602	26	B1-U0-G1
48	700	108.0	ASY	9968	92	B3-U0-G2	10401	96	B3-U0-G2	10835	100	B3-U0-G2	11268	104	B3-U0-G2	N/A	N/A		
			SYM	9979	92	B3-U0-G1	10413	96	B3-U0-G1	10847	100	B3-U0-G1	11280	104	B3-U0-G1				
			ASY-HS	7133	66	B2-U0-G1	7443	69	B2-U0-G1	7753	72	B2-U0-G1	8063	75	B2-U0-G2				
48	875	134.7	ASY	11734	87	B3-U0-G2	12245	91	B3-U0-G2	12755	95	B3-U0-G3	13265	98	B3-U0-G3	N/A	N/A		
			SYM	11747	87	B3-U0-G1	12258	91	B3-U0-G1	12769	95	B3-U0-G1	13279	99	B3-U0-G1				
			ASY-HS	8397	62	B2-U0-G2	8762	65	B2-U0-G2	9127	68	B2-U0-G2	9492	70	B3-U0-G2				

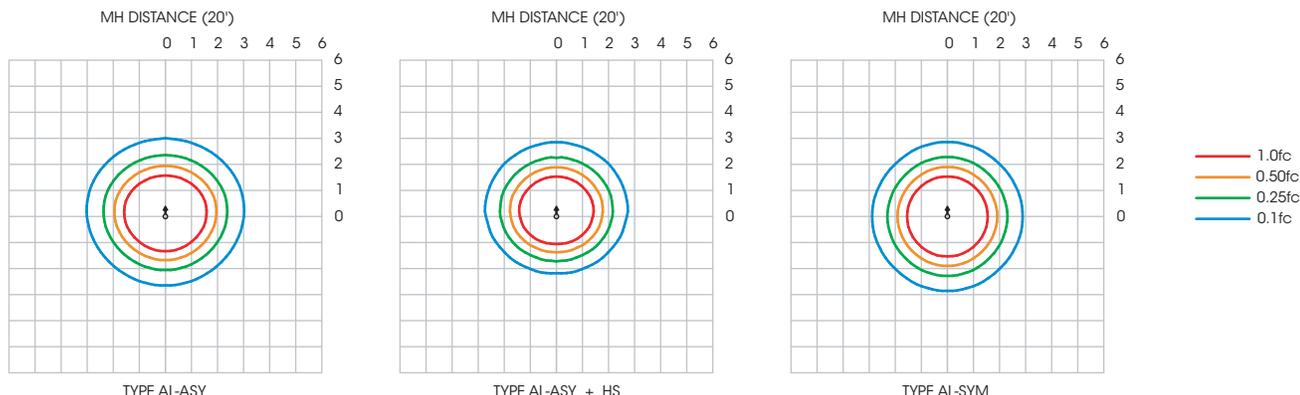
IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC24-PT-PLED-AL-80LED-525mA-40K - 20' Mounting Height (18' Pole)



PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED-AL)

PAC24-PT-PLED-AL																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING									
80	175	41.9	ASY	4725	113	B2-U0-G1	4930	118	B2-U0-G1	5136	123	B2-U0-G1	5341	127	B2-U0-G1	32.3	1849	57	B1-U0-G1
			SYM	4730	113	B2-U0-G1	4936	118	B2-U0-G1	5141	123	B2-U0-G1	5347	128	B2-U0-G1		1851	57	B1-U0-G0
			ASY-HS	3381	81	B1-U0-G1	3529	84	B1-U0-G1	3676	88	B1-U0-G1	3822	91	B1-U0-G1		1323	41	B1-U0-G0
80	350	85.8	ASY	8915	104	B3-U0-G2	9303	108	B3-U0-G2	9691	113	B3-U0-G2	10078	117	B3-U0-G2	66.1	3101	47	B1-U0-G1
			SYM	8925	104	B3-U0-G1	9312	109	B3-U0-G1	9700	113	B3-U0-G1	10089	118	B3-U0-G1		3104	47	B1-U0-G1
			ASY-HS	6379	74	B2-U0-G1	6657	78	B2-U0-G1	6934	81	B2-U0-G1	7212	84	B2-U0-G1		2219	34	B1-U0-G1
80	525	129.7	ASY	12677	98	B3-U0-G3	13228	102	B3-U0-G3	13779	106	B3-U0-G3	14331	110	B3-U0-G3	99.9	3583	36	B1-U0-G1
			SYM	12691	98	B3-U0-G1	13242	102	B3-U0-G1	13794	106	B3-U0-G1	14346	111	B3-U0-G1		3587	36	B1-U0-G1
			ASY-HS	9072	70	B2-U0-G2	9466	73	B3-U0-G2	9860	76	B3-U0-G2	10255	79	B3-U0-G2		2564	26	B1-U0-G1
80	700	173.5	ASY	15949	92	B3-U0-G3	16642	96	B3-U0-G3	17335	100	B3-U0-G3	18030	104	B3-U0-G3	N/A	N/A		
			SYM	15967	92	B3-U0-G1	16660	96	B3-U0-G1	17355	100	B3-U0-G1	18049	104	B3-U0-G1		N/A		
			ASY-HS	11413	66	B3-U0-G2	11909	69	B3-U0-G2	12405	71	B3-U0-G2	12901	74	B3-U0-G2		N/A		
80	875	221.5	ASY	18775	85	B3-U0-G3	19592	88	B3-U0-G3	20408	92	B3-U0-G3	21224	96	B4-U0-G3	N/A	N/A		
			SYM	18796	85	B4-U0-G1	19613	89	B4-U0-G1	20430	92	B4-U0-G2	21247	96	B4-U0-G2		N/A		
			ASY-HS	13435	61	B3-U0-G2	14019	63	B3-U0-G2	14603	66	B3-U0-G2	15187	69	B3-U0-G2		N/A		

IES File downloads for this product can be found at www.usalgt.com/downloads/asr.html

WAC LIGHTING

Endurance™ Brick Lights

Louwer Step And Wall Light

Fixture Type: _____
 Catalog Number: _____
 Project: _____
 Location: _____

Model & Voltage	Color Temp & CRI	Lumens	Finish
WL-5205 120 VAC	3000K 90	45	ABK Architectural Black ABZ Architectural Bronze AGH Architectural Graphite AWT Architectural White

Example: **WL-5205-30-ABK**

DESCRIPTION

Designed for integration into brick walls or vertical risers. The energy-efficient Endurance™ LED Brick Light features a die-cast aluminum housing and integrated LED light engine with a heat resistant opal glass diffuser for a glare-free even spread of light, making outdoor areas safer and more secure.

FEATURES

- Glare controlling die-casted aluminum louwer
- Factory sealed LED light engine
- 5 year warranty

SPECIFICATIONS

Construction	Die-cast aluminum (K-Alloy)
Power:	5.5W
Input:	120 VAC, 50/60Hz
Dimming:	ELV: 100-10%
Light Source:	Integrated LED
Rated Life:	80,000 Hours
Mounting:	Mortar into masonry, screw into wood walls, or retrofit into existing brick light installations. Can be mounted on wall vertically or horizontally
Cut Out:	3 1/4" x 8"
Finish:	Electrostatically Powder Coated: Architectural White, Architectural Graphite, Architectural Bronze, Architectural Black
Operating Temp:	-40°F to 122°F (-40°C to 50°C)
Standards:	ETL, cETL, Wet Location Listed, IP66, ADA

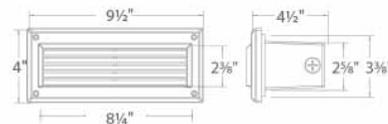


FINISHES:



Architectural Black Architectural Bronze Architectural Graphite Architectural White

LINE DRAWING



REPLACEMENT PARTS

- 5005-30 - Replacement Light Engine 3000K
- 5005-PLATE - Light Engine Mounting Plate
- 5205-COV-ABK - Louvered Cover Plate ABK
- 5205-COV-ABZ - Louvered Cover Plate ABZ
- 5205-COV-AGH - Louvered Cover Plate AGH
- 5205-COV-AWT - Louvered Cover Plate AWT



WEDGE1 LED

Architectural Wall Sconce



Catalog Number

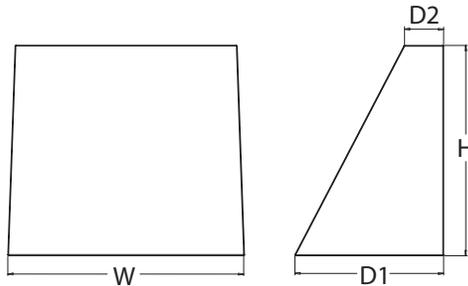
Notes

Type

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

Specifications

Depth (D1):	5.5"
Depth (D2):	1.5"
Height:	8"
Width:	9"
Weight: (without options)	9 lbs



Introduction

The WEDGE1 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WEDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WEDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.



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

WEDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WEDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WEDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WEDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WEDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	6,000	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WEDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE1 LED	P0 P1 P2	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K ¹ 5000K	80CRI 90CRI	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 347 ²	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ³ Shipped separately AWS 3/8inch Architectural wall spacer ⁴ PBBW Surface-mounted back box (top, left, right conduit entry) Use when there is no junction box available. ⁴

Options

Finish

E4WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min) ⁵
PE	Photocell, Button Type ⁶
DS	Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details) ⁷
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.
DSLE	Dual Switching (1 Driver, 2 Light Engines)
CCE	Coastal Construction ⁴

DDBXD	Dark bronze	DDBTXD	Textured dark bronze
DBLXD	Black	DBLTXD	Textured black
DNAXD	Natural aluminum	DNATXD	Textured natural aluminum
DWHXD	White	DWHGXD	Textured white
DSSXD	Sandstone	DSSTXD	Textured sandstone



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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WEDGE1 LED
Rev. 04/02/25

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE1PBBW DDBXD U	WDGE1 surface-mounted back box (specify finish)

NOTES

- 50K not available in 90CRI.
- 347V not available with E4WH, DS, DSLE or PE.
- Not qualified for DLC. Not available with E4WH.
- For PBBW and AWS with CCE option, require an RFA.
- E4WH not available with PE or DS.
- PE not available with DS.
- DS is not available with P0.

Performance Data

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	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	VF	693	99	0	0	0	718	103	0	0	0	739	106	0	0	0	759	108	0	0	0	764	109	0	0	0
		VW	694	99	0	0	0	720	103	0	0	0	740	106	0	0	0	760	109	0	0	0	766	109	0	0	0
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P0	7W	0.060	0.035	0.030	0.026	--
	9W	--	--	--	--	0.026
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.03
10°C / 50°F	1.02
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.98

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	1.0	>0.96	>0.95	>0.91



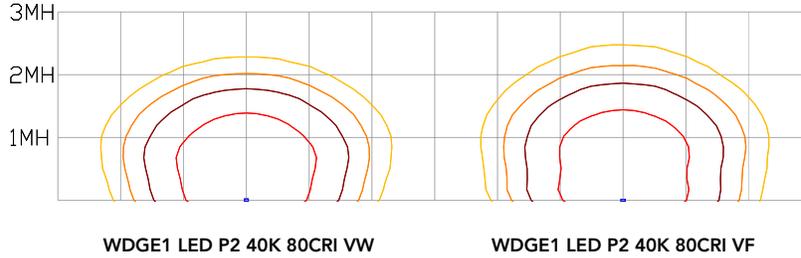
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND



MH = 8ft
Grid = 8ft x 8ft



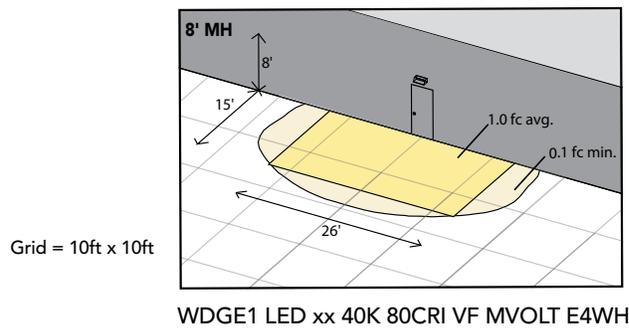
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

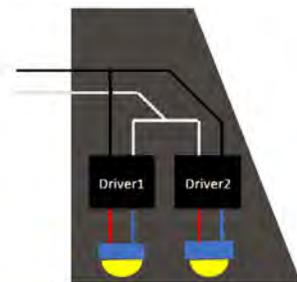
The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E4WH and VF distribution.



Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark.

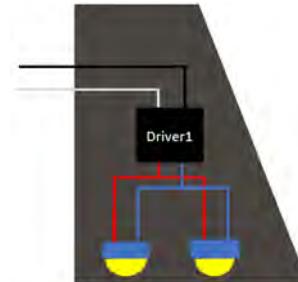
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Dual Switching Light Engine (DSLE) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with one driver and two light engines. These work completely independent to each other so that a failure of either light engine does not cause the whole luminaire to go dark.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





E4WH – 4W Emergency Battery Backup

D = 5.5"

H = 8"

W = 9"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"

H = 8"

W = 9"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted 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 a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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 2700K and 3000K color temperature only and SRM mounting only.

GOVERNMENT PROCUREMENT

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

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.



EW264210-BK
Black

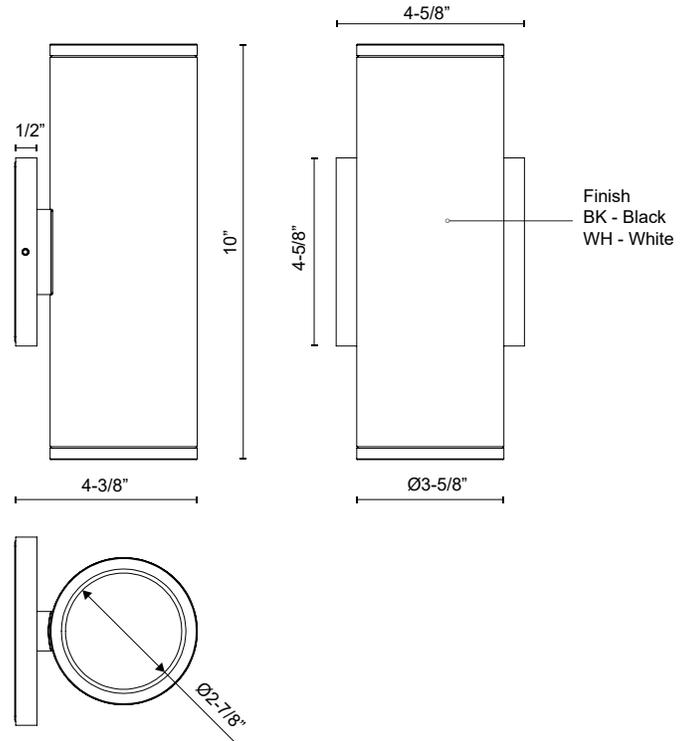


EW264210-WH
White

SPECIFICATION DETAILS

Fixture Dimensions	W4-5/8" x H10" x E4-3/8"
Height From Center	5"
Light Source	AC LED Module
Wattage	20W
Total Lumens	2100lm
Delivered Lumens	BK-1234lm; WH-1280lm
Voltage	120V
Color Temperature	3000K
CRI (Ra)	90CRI
Optical Details	Multi-Faceted Aluminum Reflector
Lens Details	Clear Glass
LED Rated Life	50,000 hours
Dimming Percentage	100% - 10%
Dimming Type	ELV Dimmer (Not Included)
Illumination Direction	Up and Down
Mounting Style	All Orientation; Wall
Location	Wet, IP65
Canopy Dimensions	W4-5/8" x H4-5/8" x H1/2"
Paint Finish	BK02, WH02
Material	Aluminum + Glass

*For custom options, consult factory for details.
 *For warranty information, please visit www.kuzcolighting.com/warranty





Project: _____

Location: _____

Fixture Type: _____

Catalog Number: _____

AVAILABLE FINISHES:



Mega

WS-W70612

FEATURES

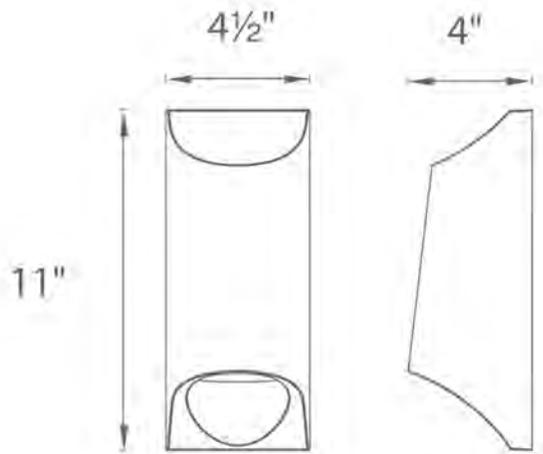
- Driver concealed within the fixture
- Weather resistant finish
- IDA Dark Sky compliant when mounted in a downward orientation

SPECIFICATIONS

Rated Life	50,000 Hours
Standards	ETL, cETL, Wet Location Listed, IP65, Dark Sky Friendly
Input	120-277 VAC, 50/60Hz
Dimming	ELV, 0-10V, TRIAC
Mounting	Can be mounted on wall vertically or upside down
Color Temp	3000K
CRI	90
Construction	Aluminum hardware

REPLACEMENT PARTS

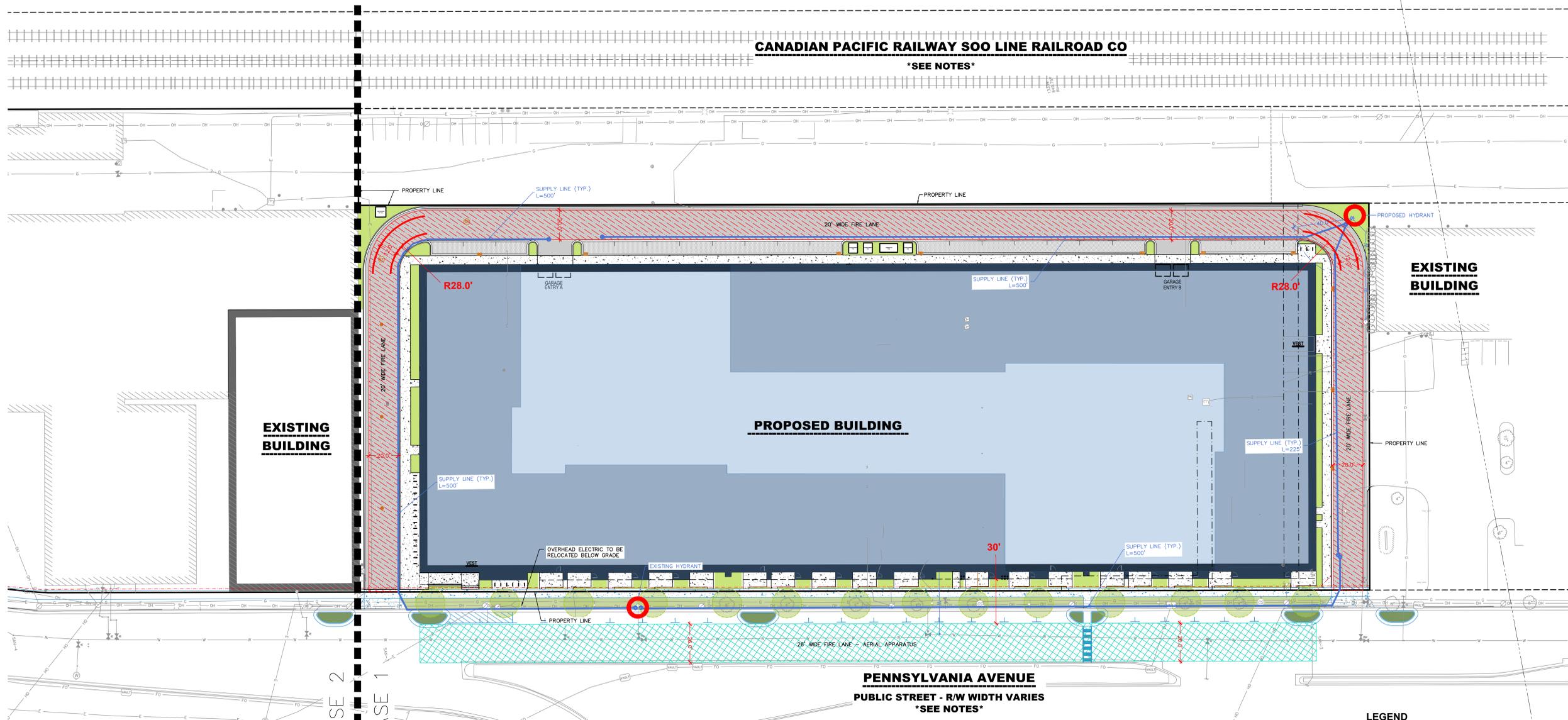
HDW-WS-W70612 - Hardware Pack



Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
WS-W70612 11"	3000K	BK Black	22W	1621	745

Example: **WS-W70612-BK**

For custom requests please contact customs@modernforms.com



City of Madison Fire Department
 314 W Dayton Street, Madison, WI 53703
 Phone: 608-266-4420 • Fax: 608-267-4100 • E-mail: fire@cityofmadison.com

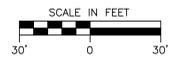
Project Address: 2030 PENNSYLVANIA AVENUE, MADISON, WI
 Contact Name & Phone #: PATRICK SHAY - (262)933-4194

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

- Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system?
 If non-sprinklered, fire lanes extend to within 150-feet of all portions of the exterior wall?
 If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall?
 Yes No N/A
 Yes No N/A
 Yes No N/A
- Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs?
 a) Is the fire lane a minimum unobstructed width of at least 20-feet?
 b) Is the fire lane unobstructed with a vertical clearance of at least 13 1/2-feet?
 c) Is the minimum inside turning radius of the fire lane at least 28-feet?
 d) Is the grade of the fire lane not more than a slope of 8%?
 e) Is the fire lane posted as fire lane? (Provide detail of signage.)
 f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.)
 g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.)
 Yes No N/A
 Yes No N/A
- Is the fire lane obstructed by security gates or barricades? If yes:
 a) Is the gate a minimum of 20-feet clear opening?
 b) Is an approved means of emergency operations installed, key vault, padlock or key switch?
 Yes No N/A
 Yes No N/A
 Yes No N/A
- Is the fire lane dead-ended with a length greater than 150-feet?
 If yes, does the area for turning around fire apparatus comply with IFC D103?
 Yes No N/A
 Yes No N/A
- Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6?
 If yes, see IFC 3206.6 for further requirements.
 Yes No N/A
- Is any part of the building greater than 20-feet above the grade plane?
 If yes, answer the following questions:
 a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter?
 b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building?
 c) Are there any overhead power or utility lines located across the aerial apparatus fire lane?
 d) Are there any trees canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species.)
 e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet?
 f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights?
 Yes No N/A
 Yes No N/A
- Are all portions of the required fire lanes within 500-feet of at least (2) hydrants?
 Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.
 a) Is the fire lane at least 20' wide for at least 20-feet on each side of the hydrants?
 b) Is there at least 40' between a hydrant and the building?
 c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane?
 d) Are hydrants located in parking lot islands a minimum of 31/2-feet from the hydrant to the curb?
 e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1 1/2-feet, within 5-feet of a fire hydrant?
 Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.
 Yes No N/A
 Yes No N/A

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- 20' WIDE FIRE LANE
- 26' WIDE FIRE LANE - AERIAL APPARATUS
- EXISTING HYDRANT LOCATION
- PROPOSED HYDRANT LOCATION
- PROPOSED ELECTRIC EASEMENT



PLAN MODIFICATIONS:

#	Date	Description
1	02/08/2026	PER CHANGES SUBMITTED
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: PJS
 Reviewed By: CAJ
 Approved By:
 SHEET TITLE:
FIRE APPARATUS PLAN
PHASE 1

SHEET NUMBER:
EXHIBIT

