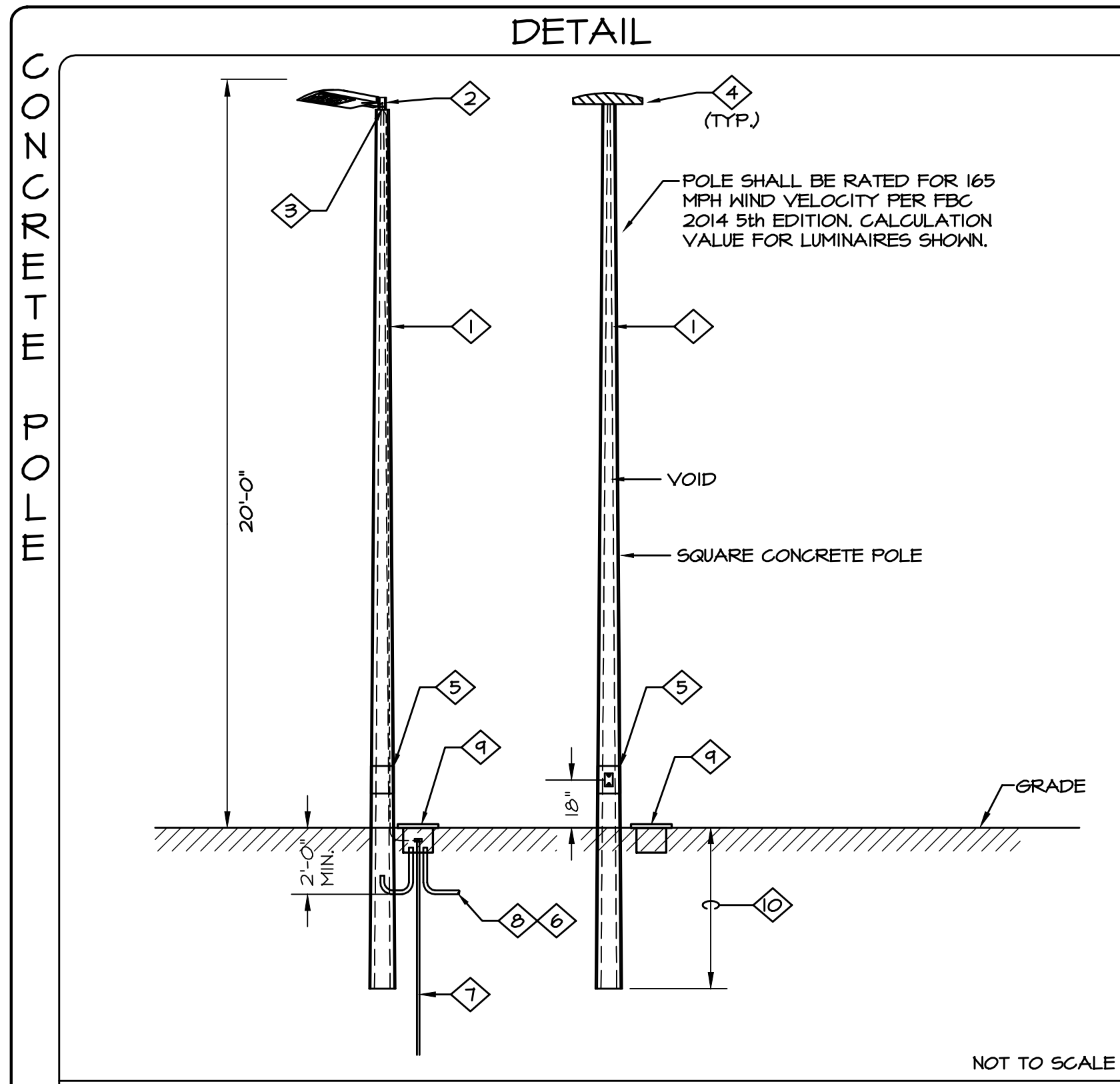


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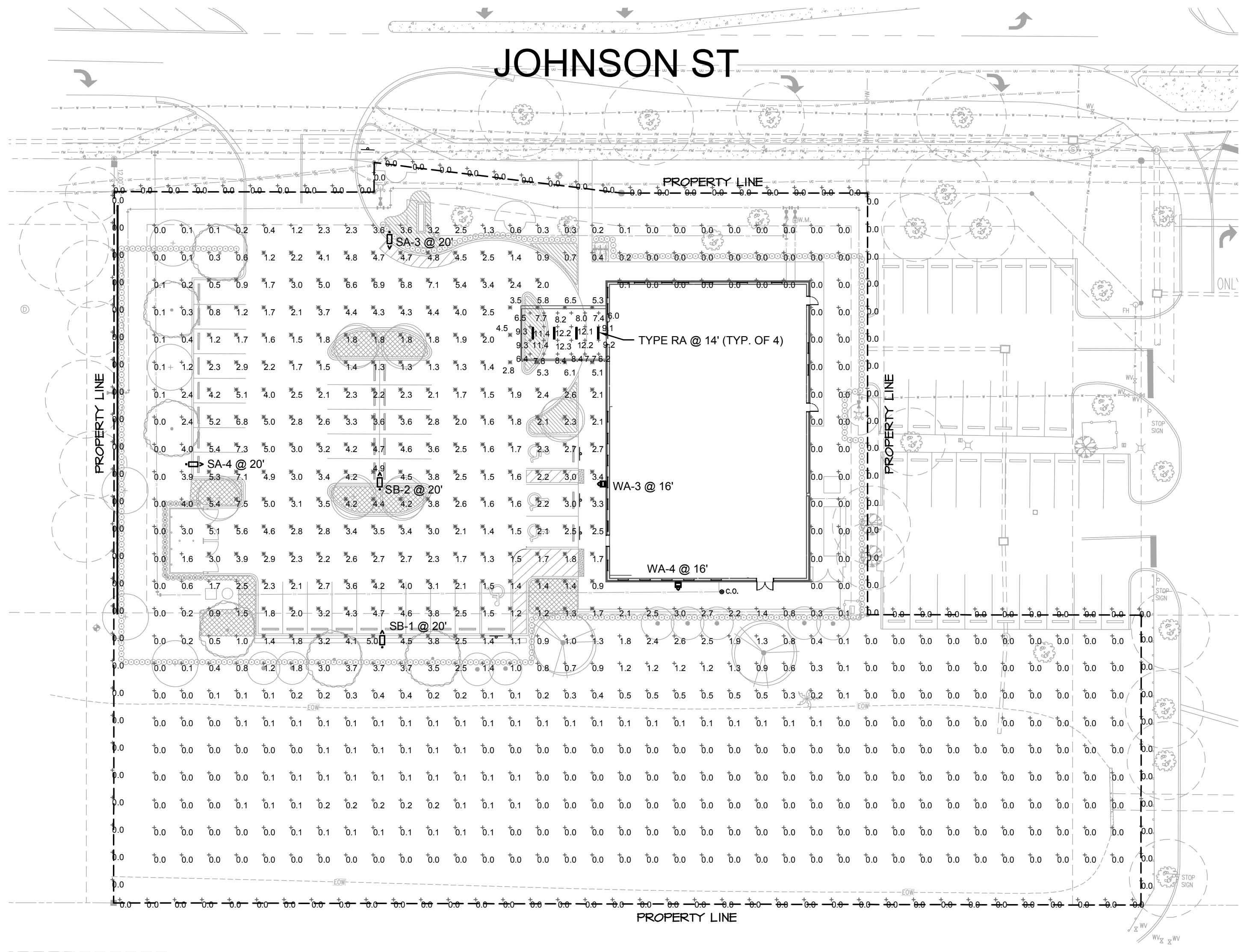


CAD file name: P:\17\1774\1774_E0.1 PHOTOMETRIC SITE PLAN.DWG 9/25/2017



- NOTES:**
- 1 DIRECT BURIAL POLE SHALL BE RATED FOR WIND VELOCITY PER FBC 2014 5TH EDITION. CALCULATION SHALL BE BASED ON THE EPA VALUE FOR THE LUMINAIRE SHOWN PER POLE.
 - 2 ELECTRICAL CONTRACTOR TO COORDINATE THE TYPE OF TENON OR MOUNTING REQUIRED WITH THE FIXTURE MANUFACTURER, TO MOUNT THE SITE LIGHT FIXTURE TO THE POLE AS INTENDED AND INDICATED.
 - 3 NO. 6 GROUND CONDUCTOR, FURNISHED WITH THE POLE, BONDED AT THE J BOX AT THE BOTTOM OF THE POLE, SEE NOTE #4, AND TO THE EQUIPMENT GROUND CONDUCTOR RAN WITH THE CIRCUIT FROM THE DESIGNATED PANEL IN THE BUILDING.
 - 4 LUMINAIRE - SEE FIXTURE SCHEDULE ON THE SITE LIGHTING PLAN FOR QUANTITY, TYPE, AND OPTIC ORIENTATION. PROVIDE PROPER BRACKETS TO MOUNT THE FIXTURE AS SHOWN ON THE PHOTOMETRIC PLAN. COORDINATE WITH THE FACTORY AND PROVIDE BRACKET CUT SHEET TO THE ENGINEER FOR APPROVAL PRIOR TO RELEASE.
 - 5 FURNISHED AND INSTALLED IN-LINE BALLAST FUSES IN BUSSMANN "TRON" WEATHERPROOF FUSE HOLDERS #HEB-AD WITH #KTK FUSES (SIZE AS REQUIRED).
 - 6 CONDUIT, EXTEND TO PULL BOX OR NEXT POLE AS REQUIRED.
 - 7 3/4" x 10'-0" COPPER CLAD GROUND ROD FOR LIGHTNING PROTECTION. CONNECTION TO THE GROUND ROD SHALL BE MADE VIA A UL LISTED MECHANICAL CONNECTION.
 - 8 SEE ELECTRICAL SITE PLAN FOR CONDUIT AND WIRE SIZES AND DESTINATION PANEL. WIRE SIZE UP THE POLE SHALL BE SAME SIZE FEEDING THE POLE.
 - 9 PROVIDE FLUSH IN GRADE (12"x12"x12" MINIMUM) WEATHERPROOF ELECTRIC HANDHOLE ENCLOSURE. ELECTRICAL HANDHOLE ENCLOSURE SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH N.E.C. ARTICLE 914.30 "HANDHOLE ENCLOSURES". THESE BOXES SHALL BE USED AS FULL BOXES ONLY. NO TERMINATIONS SHALL BE MADE IN THESE BOXES EXCEPT FOR THE GROUND CONDUCTOR. LOCATE BOX WITHIN 3'-0" OF POLE BASE, WHERE POSSIBLE. THE BOX SHALL BE LOCATED IN A LANDSCAPE AREA ONLY AND NOT SUSCEPTIBLE TO ANY TRAFFIC CONDITION. COVER SHALL BE RATED FOR THE LOAD IMPOSED UPON IT, AND SHALL BE PROVIDED WITH LOGO STATING "ELECTRICAL".
 - 10 DEPTH OF THE EMBEDMENT OF THE POLE SHALL BE AS RECOMMENDED BY POLE MANUFACTURER TO MEET REQUIRED WIND LOADING. MINIMUM EMBEDMENT SHALL NOT BE LESS THAN 8'-0".

NOT TO SCALE



FIXTURE NOTE:
FIXTURE SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. SEE ACTUAL FIXTURE SCHEDULE ELSE WHERE IN THIS DOCUMENTS FOR ACTUAL CATALOG NUMBER AND DESCRIPTION.

- NOTES:**
1. SEE CUT SPECIFICATION SHEETS ON E0.2.
 2. ALL FIXTURES ARE 40K IN TEMPERATURE.
 3. FIXTURES UNDER CANOPY ARE RECESSED.
 4. ALL SITE AND BUILDING LIGHTS PROPOSED ON THIS PROJECT ARE DESIGNED AS FULL CUTOFF CLASSIFICATION WITH ZERO UP LIGHT COMPONENTS.

PHOTOMETRIC SITE PLAN
SCALE: 1" = 30'-0"
NORTH

THESE PHOTOMETRICS ARE INTENDED FOR DESIGN AND EVALUATION PURPOSES ONLY. THE POINT-BY-POINT SHOWN IS BASED ON A COMPUTER LIGHTING PROGRAM WITH APPROXIMATED PARAMETERS. THEREFORE, THESE PHOTOMETRICS MAY VARY FROM ACTUAL FIELD CONDITIONS.

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Flanname	Lumens Per Lamp	Light Loss Factor	Wattage
SA	SA	2	Lithonia Lighting	DSX1 LED 60K 1000 40K RLC MVOLT DS	DSX1 LED WITH 60 LEDs @ 1000 mA, 4000K, BACKLIGHT CONTROL OPTIC	LED	1	DSX1_LED_60K_1000_40K_RLC_MVOLT.ies	16630	0.9	209
SB	SB	2	Lithonia Lighting	DSX1 LED 60K 1000 40K TSM MVOLT DS HS	DSX1 LED WITH 60 LEDs @ 1000 mA, 4000K, TYPE 5 MEDIUM OPTICS WITH HOUSE-SIDE SHIELD	LED	1	DSX1_LED_60K_1000_40K_TSM_MVOLT_HS.ies	17219	0.9	209
WA	WA	2	Lithonia Lighting	DSXW1 LED 20C 1000 40K T3S MVOLT	DSXW1 LED WITH (2) 10 LED LIGHT ENGINES, TYPE T3S OPTIC, 4000K @ 1000mA	LED	1	DSXW1_LED_20C_1000_40K_T3S_MVOLT.ies	7650	0.9	73.2
RA	RA	4	Metalumen lighting	1L40K-4-M-C-L3-1-R-4	METALUMEN RM4000 SERIES 4 FT. STRIP LED LUMINAIRE WITH FROSTED LENS	LED Array 30x1 304mmx19mm 5630 package	4	RM4000-1L30K-4-M-L3.ies	718	0.9	23.88

Luminaire Locations											
No.	Label	X	Y	Z	MH	Orientation	Tilt	X	Y	Z	Aim
6	RA	224.62	265.33	14.00	14.00	0.00	0.00	224.62	265.33	0.00	
8	RA	216.62	265.33	14.00	14.00	0.00	0.00	216.62	265.33	0.00	
10	RA	208.62	265.33	14.00	14.00	0.00	0.00	208.62	265.33	0.00	
12	RA	200.62	265.33	14.00	14.00	0.00	0.00	200.62	265.33	0.00	
3	SA	148.41	305.91	20.00	20.00	180.00	0.00	148.41	303.16	0.00	
4	SA	74.00	221.24	20.00	20.00	90.00	0.00	76.75	221.24	0.00	
1	SB	145.67	156.00	20.00	20.00	0.00	0.00	145.67	158.75	0.00	
2	SB	145.00	212.00	20.00	20.00	0.00	0.00	145.00	214.75	0.00	
3	WA	227.06	214.00	16.00	16.00	270.00	0.00	227.06	214.00	0.00	
4	WA	253.84	177.00	16.00	16.00	180.00	0.00	253.84	177.00	0.00	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
FRONT CANOPY	+	9.2 fc	12.4 fc	6.0 fc	2.1:1	1.5:1
OVERALL SITE	+	1.2 fc	7.5 fc	0.0 fc	N/A	N/A
PAVED AREAS	X	3.0 fc	7.5 fc	0.5 fc	15.0:1	6.0:1
PROPERTIES LINES	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A

Surface Schedule						
Name	Reflectance	Normal	X	Y	Z	Area(R2)
Solid						
Bottom	0%	0%	0.00	0.00	-1.00	8140.00
Site 1	0%	0%	0.00	1.00	0.00	2220.00
Site 2	0%	0%	1.00	0.00	0.00	3300.00
Site 3	0%	0%	0.00	-1.00	0.00	2220.00
Site 4	0%	0%	-1.00	0.00	0.00	3300.00
Top	0%	0%	0.00	0.00	1.00	8140.00
Grid						
Bottom	50%	50%	0.00	0.00	-1.00	620.00
Site 1	50%	50%	0.00	1.00	0.00	31.00
Site 2	50%	50%	1.00	0.00	0.00	20.00
Site 3	50%	50%	0.00	-1.00	0.00	31.00
Site 4	50%	50%	-1.00	0.00	0.00	20.00
Top	50%	50%	0.00	0.00	1.00	620.00
Canopy						
Bottom	50%	50%	0.00	0.00	-1.00	59.03
Site 1	50%	50%	-1.00	0.00	0.00	19.99
Site 2	50%	50%	0.00	1.00	0.00	31.14
Site 3	50%	50%	0.00	-1.00	0.00	0.81
Site 4	50%	50%	0.00	0.00	-1.00	30.48
Site 5	50%	50%	1.00	0.00	0.00	18.52
Site 6	50%	50%	0.00	1.00	0.00	30.52
Site 7	50%	50%	1.00	0.00	0.00	0.89
Site 8	50%	50%	0.00	1.00	0.00	31.06
Site 9	50%	50%	-0.32	-0.95	0.00	0.12
Top	50%	50%	0.00	0.00	1.00	59.03

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PEMBROKE PINES, FL 33024
BROWARD COUNTY
CITY OF PEMBROKE PINES

SOUHEIL S CHEHAYEB
LICENSE NO. 49521

PLAN STATUS
XX/XX/XX XXXXXX

DATE	DESCRIPTION	
SC	RR	SC
DESIGN	DRAWN	CHKD
SCALE	AS SHOWN	
JOB No.	010133-01-011	
DATE	06-28-17	
FILE		

SHEET **E0.1**

