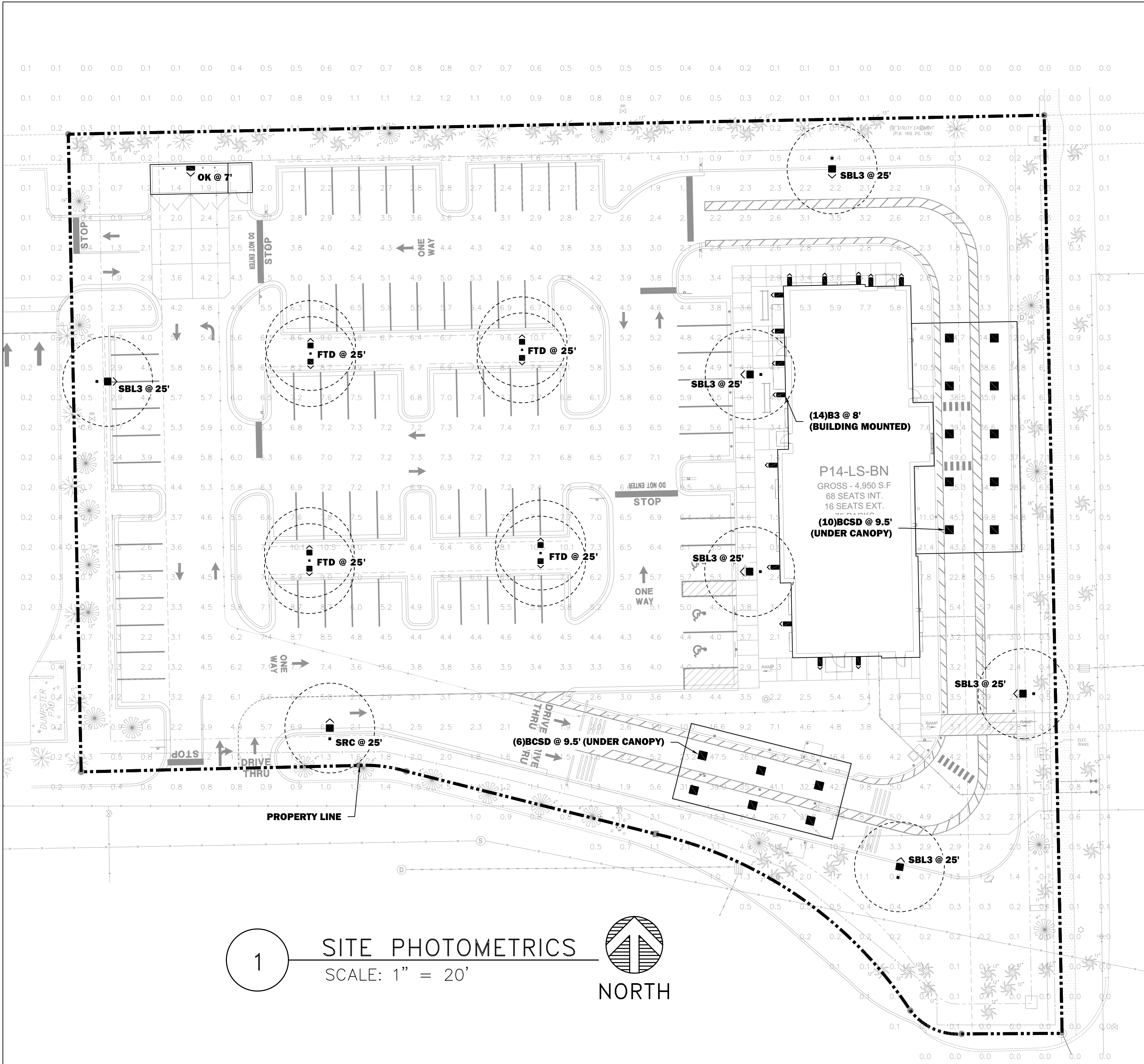


DRC
PZ23-12000037
12/06/2023



1 SITE PHOTOMETRICS
SCALE: 1" = 20'
NORTH

LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QTY	MANUFACTURER	CATALOG	DESCRIPTION	INPUT POWER (WATTS)
	B3	14	LITHONIA LIGHTING	WPXO LED AL0-1 30K MVOLT	WPXO LED, 850 LUMEN SETTING, 3000K SETTING, 120-277V	6.24
	BCSD	16	LSI INDUSTRIES, INC.	CRUS-SC-VLW-30	SYMMETRICAL CANOPY DOWNLIGHT, 3000K	93
	FTD	4	SEE BELOW	SEE BELOW	SEE BELOW	554 (TOTAL)
	FTD (ALL)		LITHONIA LIGHTING	DSX1 LED P9 40K 80CRI TFTM HS	D-SERIES SIZE 1 AREA LUMINAIRE P9 PERFORMANCE PACKAGE 3000K CCT 80 CRI FORWARD THROW HOUSESIDE SHIELD	277 (EACH)
	OK	1	EXO/HUBBELL LIGHTING	LNC-5LU-3K-3-X	TYPE 3	12.9
	SBL3	6	LITHONIA LIGHTING	DSX1 LED P6 40K 80CRI BLC3	D-SERIES SIZE 1 AREA LUMINAIRE P6 PERFORMANCE PACKAGE 3000K CCT 80 CRI TYPE 3 EXTREME BACKLIGHT CONTROL	165.25
	SRC	1	LITHONIA LIGHTING	DSX1 LED P7 40K 80CRI ROCO	D-SERIES SIZE 1 AREA LUMINAIRE P7 PERFORMANCE PACKAGE 3000K CCT 80 CRI RIGHT CORNER CUTOFF EXTREME BACKLIGHT CONTROL	184.4

STATISTICS				
DESCRIPTION	AVG	MAX	MIN	AVG/MIN
PARKING AREA	5.2 fc	9.0 fc	1.5 fc	2.4:1
LARGE CANOPY	35.6 fc	49.0 fc	18.1 fc	N/A
SMALL CANOPY	31.9 fc	47.5 fc	15.8 fc	N/A
LOT LINE SPILL	0.37 fc	1.37 fc	0.00 fc	N/A
REFUSE AREA	1.6 fc	1.9 fc	1.4 fc	1.1:1

LIGHTING COMPLIANCE CHART				
BULB DESCRIPTION	LIGHT TAG	QUANTITY	LUMINAIRE LUMENS	TOTAL
LITHONIA WPXO LED WALLPACK	B3	14	814	11396
LSI CRUS CANOPY DOWNLIGHT	BCSD	16	13113	209808
LITHONIA DSX1 LED P9 POLE-MOUNTED TFTM	FTD	4	26740	106960
HUBBELL LNC LED WALLPACK	OK	1	833	833
LITHONIA DSX1 LED P6 POLE-MOUNTED BLC3	SBL3	6	13708	82248
LITHONIA DSX1 LED P7 POLE-MOUNTED ROCO	SRC	1	14956	14956
HARDSCAPE AREA (SF):				50,529
LZ-2 (MODERATE AMBIENT LIGHTING) ALLOWABLE LUMENS PER SF:				2.5
TOTAL LUMINAIRE LUMENS:				426201
SITE ALLOWED TOTAL LUMENS (LUMENS PER SF x HARDSCAPE):				126323
IS PROJECT COMPLIANT?				NO

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CONDITION AND PROPER FUNCTIONALITY OF ALL SYSTEMS AND DEVICES WHICH ARE INVOLVED OR AFFECTED BY THE SCOPE OF THIS PROJECT PRIOR TO BEGINNING WORK. ALL DAMAGE OR IMPROPER FUNCTIONALITY SHALL BE REPORTED TO OWNER IN WRITING. UNDOCUMENTED DAMAGE OR IMPROPER FUNCTIONALITY DISCOVERED FOLLOWING THE START OF WORK SHALL BE CORRECTED AT CONTRACTORS EXPENSE TO APPROVAL OF OWNER.
- PER CHICK-FIL-A STANDARDS, THIS PLAN IS PROVIDED FOR LIGHT POLE PLACEMENT, CANOPY LIGHTING, AND PHOTOMETRIC DESIGN ONLY AND DOES NOT INCLUDE ANY NEW BUILDING-MOUNTED OR ROADWAY LIGHT FIXTURES, CONTROLS, ACCESSORIES, OR INTERIOR/EXTERIOR CIRCUITING OR DESIGN. THE PROJECT ELECTRICAL ENGINEER SHALL SPECIFY ANY NEW CIRCUITING OF THE SITE AND BUILDING LIGHTING AS WELL AS PROVIDING NECESSARY POWER, SWITCHES, AND LIGHTING CONTROLS AT THE BUILDING'S ELECTRICAL PANEL.
- ELECTRICAL CONTRACTOR SHALL PROVIDE REQUIRED ACCESSORIES TO ENSURE LIGHTING IS MOUNTED AS INDICATED.
- POLE LIGHTS, WHERE POSSIBLE, ARE TO BE PLACED 3'-0" BEHIND BACK OF CURBS. COORDINATE WITH LANDSCAPING TO ENSURE SITE LIGHTING WILL BE PLACED IN INDICATED LOCATIONS. CONTACT ENGINEER OF RECORD FOR UPDATED PHOTOMETRICS IF LIGHTING MUST BE LOCATED IN DIFFERENT AREAS.
- DEVICES PREFIXED WITH (E) ARE EXISTING TO REMAIN AND SHOWN FOR REFERENCE ONLY. DEVICES TAGGED 'R' OR PREFIXED WITH (R) SHALL BE RELOCATED AS INDICATED ON THE PLANS. PLACEMENT OF (E) FIXTURES ARE BASED ON EXISTING PLANS. EXISTING LIGHT DETAILS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO WORK.
- POLE LIGHTING TEMPERATURE SELECTED AS 4000K TO MATCH EXISTING POLE LIGHTS. IF EXISTING COLOR TEMPERATURE IS FOUND TO BE DIFFERENT, MATCH EXISTING AND CONTACT ENGINEER OF RECORD FOR UPDATED PHOTOMETRICS.
- LIGHTING SCHEDULE INCLUDES DETAILS FROM PHOTOMETRIC IES FILES, AND MAY NOT MATCH SPEC SHEETS EXACTLY. DRAWING WATTAGES ARE TO BE BASED OFF OF SPEC SHEETS, NOT IES FILE DATA.
- LIGHTING REQUIREMENTS WILL NOT BE MET EXACTLY WITHOUT EXTENSIVE ADDITIONS TO SITE LIGHTING. PHOTOMETRIC DESIGN WAS PERFORMED CAREFULLY TO MINIMIZE TOTAL COST OF RE-DESIGN RELATED TO SITE AND EXTERIOR LIGHTING.

SCOPE OF WORK:

- NEW EXTERIOR SITE LIGHTING TO BE SPECIFIED AND A PHOTOMETRIC PLAN IS TO BE GENERATED INDICATING LIGHT LEVEL STATISTICS AND LIGHT FIXTURE INFORMATION. CANOPY LIGHTING PROVIDED BY CANOPY SUPPLIER AND INSTALLED BY ELECTRICAL CONTRACTOR. EXAMPLE CANOPY LIGHTING PROVIDED AS REFERENCE ONLY.

PHOTOMETRIC/SITE LIGHTING REQUIREMENTS:

CITY OF POMPANO BEACH REQUIREMENTS PER ARTICLE 5: DEVELOPMENT STANDARDS, PART 4 EXTERIOR LIGHTING, 155.5401 GENERAL EXTERIOR LIGHTING STANDARDS:

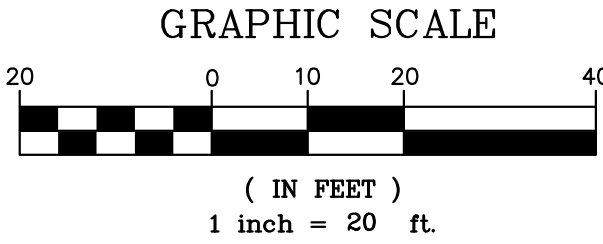
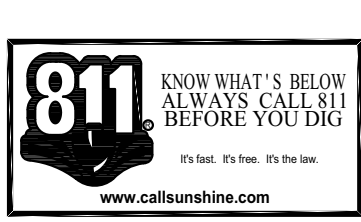
- LIGHTING SHALL NOT EXCEED 30' IN ALL OTHER NONRESIDENTIAL DISTRICTS.
- MINIMUM FOOT-CANDLES IN VEHICULAR AREA (MEASURED AT GROUND LEVEL): 1.0 FOOT-CANDLES
- MAXIMUM FOOT-CANDLES AT PROPERTY LINE (MEASURED AT 5FT ABOVE GRADE): 3.0 FOOT-CANDLES

BROWARD COUNTY REQUIREMENTS PER CHAPTER 39, ARTICLE IX: GENERAL PROVISIONS, SEC. 39-112. - OUTDOOR LIGHTING.:

- 3000K TEMPERATURE OR LESS
- REDUCE TO 20% OF MAXIMUM OUTPUT 1 HOUR AFTER CLOSE OF BUSINESS OR 11:00PM, WHICHEVER IS LATER.
- 2-1/2 LUMENS [MAXIMUM] PER SQUARE FOOT OF HARDSCAPE.
- ALL OUTDOOR LIGHTING IN ALL LIGHTING ZONES SHALL BE DESIGNED AND INSTALLED TO PREVENT GLARE THAT AFFECTS MOTORISTS, BICYCLISTS, OR OTHER USERS OF ROADS, DRIVEWAYS, AND BICYCLE PATHS.
- ALL OUTDOOR LIGHTING, EXCEPT FOR STREET LIGHTING SUBJECT TO LIGHTING ZONE LZ-3 STANDARDS, SHALL MEET THE STANDARDS SET FORTH IN SECTION 39-112(B)(4)A. ABOVE. ADAPTIVE CONTROLS MAY BE USED TO VARY THE INTENSITY OR DURATION OF LIGHTING OPERATION TO MEET THESE STANDARDS.
- MOTION DETECTING SECURITY LIGHTING IS NOT SUBJECT TO THE OUTPUT REDUCTION REQUIREMENTS IN SECTION 39-112(B)(4)A.
- ALL OUTDOOR LIGHTING, INCLUDING DISPLAY, SIGN, BUILDING, PARKING LOT, AND AESTHETIC LIGHTING, MUST USE FULL CUTOFF FIXTURES OR EQUIVALENT.
- FUNCTIONAL EQUIVALENTS ALLOWED. LIGHTS THAT ARE PROPERLY INSTALLED IN AN ARCHITECTURAL SPACE (SUCH AS UNDER A PORCH ROOF OR A ROOF OVERHANG), WHICH PROVIDE THE FUNCTIONAL EQUIVALENCE OF A FULL CUTOFF FIXTURE, NEED NOT USE FULL CUTOFF FIXTURES. SIMILARLY, A FIXTURE HAVING A U-0 B.U.G. RATING MAY ALSO BE USED.
- HIGH INTENSITY LIGHTING, SUCH AS INCANDESCENT, FLUORESCENT, AND MERCURY VAPOR LIGHTING, IS PROHIBITED. ENERGY EFFICIENT LIGHTING (SUCH AS HPS, LPS, AND LED) IS RECOMMENDED AND ENCOURAGED.
- IN NO CASE SHALL A BULB BE EXPOSED BEYOND THE LUMINAIRE HOUSING.
- NO STREET LIGHTING, IF NOT IN CONFLICT WITH THE REGULATIONS OF A SUPERSEDING JURISDICTION, SHALL EMIT LIGHT ABOVE NINETY (90) DEGREES.
- MAXIMUM FOOT-CANDLES AT PROPERTY LINE: 1.0 FOOT-CANDLES

CHICK-FIL-A REQUIREMENTS:

- LIGHT FIXTURE MOUNTING HEIGHT NOT TO EXCEED 25'
- LIGHT FIXTURE FINISH COLOR: DARK BRONZE
- BUILDING MOUNTED FIXTURES COLOR TEMPERATURE: 3000K
- PARKING AREA MINIMUM FOOT-CANDLES: 1.9 FOOT-CANDLES
- PARKING AREA AVERAGE FOOT-CANDLES: 4.0 FOOT-CANDLES
- PARKING AREA MAXIMUM FOOT-CANDLES: 9.0 FOOT-CANDLES
- PARKING AREA AVERAGE TO MINIMUM RATIO: 2:1
- PROPERTY SPILL AVERAGE FOOT-CANDLES: 1.2 FOOT-CANDLES
- CANOPY AVERAGE FOOT-CANDLES: 35-40 FOOT-CANDLES



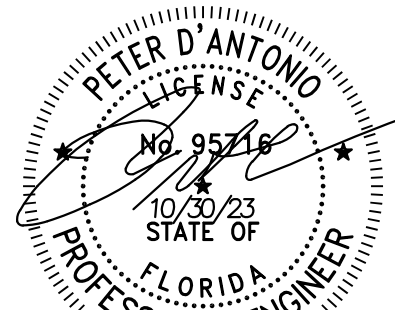
Chick-fil-A

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Seal



PETER D'ANTONIO, P.E.
FLORIDA REG. NO. 95716



CHICK-FIL-A

ATLANTIC & POWERLINE

2100 W ATLANTIC BLVD

POMPANO BEACH, FL 33069

FSR#05557

BUILDING TYPE / SIZE: P14 LS BN

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	10/30/23	RESUBMISSION #1

CONSULTANT PROJECT # 010014-01-208

PRINTED FOR PERMIT

DATE 10/30/2023

DRAWN BY C.W.

REVIEWED BY A.P.

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SHEET

PHOTOMETRIC PLAN

SHEET NUMBER

E-102

PERMIT