



DATE: _____ **LOCATION:** DELRAY BEACH

TITLE: _____ **PROJECT:** SWAN SWIM

CATALOG #: PARTR-CHS-12L-Q21-Q40 PARTR-CHS-12L-Q20-QK7

PA7R IMPACT RATED

BOLLARD

FEATURES

- ASTM F3016 S20 Impact Rated
- Elegant form factor blended with Performance Optics
- 44" OAH S20 Impact Rated Illuminated and Non-Illuminated Bollards
- Dark "Oak" Style Complaint, No Up-light configuration
- Bluetooth enabled RGBW accent



Pavilion
Impact

PHOTOGRAPHY

PROCESSED

RENDERED

ILLUMINATED



NO HAZARDOUS MATERIALS OR SUBSTANCES CONTAINED





RELATED PRODUCTS

 Daylight Signage Illuminated
 Daylight Signage Unlit

CONSTRUCTION TECHNOLOGY




NX DISTRIBUTION PARTNER




SPECIFICATIONS

CONSTRUCTION HOUSING:

- Castings are low copper aluminum alloy die-cast
- Gaskets are molded silicone to prevent harmful ingresses to the lamp and driver compartments
- 44" OAH shaft to slide over 60" steel post that provides strength to resist impact. Steel post is oriented utilizing a stress brace, that allows for even distribution of concrete around the post, and further reinforced by a rebar cage
- Steel Post is schedule 40 galvanized steel pipe with 6.625" OD
- IP65 rated

SHAFT:

- Aluminum shafting is 12.5" thick extruded aluminum 6061 alloy
- American Society of Testing and Materials (ASTM F3016) "Standard Test Method for Sample Testing of Vehicle Impact Protective Devices at Low Speeds" S20 Panel, which safely stops a 5,000-lb vehicle impacting the system at up to 20 mph

OPTICS

- LEDs mount to a metal printed circuit board assembly (PCB)
- Optical lenses are clear injection molded PMMA acrylic

OPTICS (CONTINUED)

- LED configurations have an optically clear flat tempered glass lens, all other configurations have either an optically clear or high transmission diffused acrylic lens

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

ELECTRICAL

- Universal voltage, 120 through 277V with a 4.0% tolerance. Driver is Underwriters Laboratories listed
- High voltage configurations, 347/480. Driver is Underwriters Laboratories listed
- "Thermal Shield;" secondary side, thermalizer provides protection for the sustainable life of LED module and electronic components
- Drivers are greater than a 0.5 power factor, less than 120% harmonic distortion, and are suitable for operation in -40°C to +40°C ambient environments
- Luminaire is capable of operating at 100% brightness in a 40°C environment. Both driver and optical ray have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C

CONTROLS

- Standard fixtures dimming range is from 10% to 100% and is compatible with 0-10V, Low-voltage, control devices

Standard Input: Black (+), White (-)
 Dimmer Output: Green (+), White (-)
 Trip Switch Load (+)
 Neutral Ground Lead to (-)
 Feature Mounting: ± 1 mm Max

- Optional motion sensor is capable of detecting motion 360° around the bollard. When no motion is detected for the specified time, the sensor automatically dims to the factory preset levels, reducing the light level accordingly. When motion is detected by the sensor, the bollard will return to full wattage and full light output. Please contact KIM Lighting if product requirements vary from standard configuration.

(Specifications continued on page 3)

KEY DATA	
Lumen Range	397-2,850
Wattage Range	14-22
Efficacy Range (LPW)	29-408
Reported Life (Hours)	170,600,000

Page 1/21 Item #: 002-1221
V72R Impact Rated

© 2021 Kim Lighting, a division of Interlight LLC. Specifications subject to change without notice.
 700 Millerton Blvd., Greenville, SC 29607 | Tel: 866.678.6000 / Website: www.kimlighting.com






by **tygify**

Site & Area

PureForm

P20 small round area light
with comfort optics



Gardco PureForm LED area small round comfort P20 features a sleek, low profile design. Comfort optics are designed to enhance visual comfort by reducing glare and are ideally suited for pedestrian scale applications. Multiple optical distributions and color temperatures are available to allow you to customize your selection.

Ordering guide

Part#	Optic Technology	Configuration/nominal lumens	Color Temperature	Distribution	Mounting	Voltage
P20	C	A03	840	T45	AR1	120
P20	Pureform C Comfort 20" round	A01 2,000 lumens A02 4,000 lumens A03 6,000 lumens A04 8,000 lumens A05 10,000 lumens A06 12,000 lumens A07 14,000 lumens A08 16,000 lumens	840 800K 3000K 840 800K 4000K 750P 7000K 5000K	T15 Type 1 Short T16 Type 2 Short Type 4 Short Type 5 Concentrated T85 Type 5 Short	ARM† Arm mount (Standard) The following mounting kits may be ordered separately (See accessories) RAM† Retrofit arm mount kit WAL Wall mount	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V 120-277V (10-09Hz) 240-480V (10-09Hz)

example: P20-C-A01-840-T15-AR1-UVN-BL50-L2-EH-BZ

Options	Electrical/finishing	Emergency	Finish
Dimming controls 	Medium sensor lens 	Emergency battery pack 	
(0-10V dimming driver standard) DLA** Dimming Leads (External Accessible (controls by others)) FAM** Fixed Adjustable Wattage Selector BL50** BL-level set at 50% dimming BL30** BL-level set at 30% dimming StarNet** Starline integral module SR04** SR driver connected to Zhaga socket DynMotion™ Automatic Traffic Dimming CM50** Security 50% Dimming, 7 hours CM60** Median 60% Dimming, 3 hours CM80** Security 80% Dimming, 7 hours CM90** Median 90% Dimming, 3 hours	L3*** PR Sensor #2 lens L3*** PR Sensor #3 lens HiNet** Microwave HF Sensor PC3P† Photocontrol Button TP27† 7-pin Twist Lock Receptacle TP27† 7-pin Twist Lock Receptacle w/ 3-pin Photoctrl IP22† Increased 20' x 20' SF2† Single Face (100, 277, 347V) FS2† Double Face (C0L, 347, 400VAC)	EM1**† Emergency battery pack The following option must be ordered separately (See accessories) EMS External house side shield	Teststud BK Black WH White BZ Bronze SG Sat. Grey MD Medium Gray Customer specified RAL Specify optional color or RAL (ex. RAL7024) CO Custom color (Must supply color chip for required factory option)

1. Only available with symmetrical optics (T15 and T85)

2. Extended lead time. Contact factory for details.

3. Hours to a 4-10' round with adapter included for square poles.

4. Not available with other dimming control options (mutually exclusive).

5. Not available with medium sensor.

6. BL50 must be specified with a medium sensor lens (L2 or L3).

7. BL30 must be specified with Microwave HF Sensor (WHS).

8. Not available with photocontrols.

9. Not available in 347 or 480V.

10. Available only in 120 or 277V.

11. Must specify input voltage.

12. All T85 in NEMA receptacle are connected to 0-10V driver.

13. Not available in 480V. Order photoctrl separately with T85.

14. Not available with TSL4 and FAM dimming control options.

15. Not available with TSL4, SR04, FAM, CM50, CM60, CS30, and CM80 dimming control options.

16. Product types standard with TSL4.

17. Only available with A01 and A03.

18. Only available in 120/277/347V.

19. When ordering SR04 with L2 or L3, controller to be used on socket must be SR compatible (See specifications for more details).







P20-PureForm-area_small-round_04/21 page 1 of 6

DATE:

LOCATION: DELRAY BEACH

TYPE:

PROJECT: DELRAY SWAN

CATALOG #: PAR7R-CH3-12L-020-K7 PAR7R-CH3-12L-020-K7

PA7R IMPACT RATED

BOLLARD

COLORMATING

CATALOG #

Example: PA7R-FR-NUJ-12L-D10-5K7-44R6-20-BSL-WP-UNIV-EM

HOUSING

PA7R	Model	Top	Optics	Distribution	Light Engine *
PA7R	Patron™ 7" Round	FT CT	Flat Spot Downward 7°	NU CH CL LV GC GD UG	1 2 3 3HS 4 5 5 Type V
			NU 1° Up-light CH 1° Clear Horizontal Lens CL 1° Clear Vertical Lens LV 1° Louvers GC 1° Grille with clear vertical lens GD 1° Grille with diffuse vertical lens UG 1° Non-luminous grilles (No distribution, no light engine)	1 Type I 2 Type II 3 Type III 3HS Type II + House side shield 4 Type IV 5 Type V	12L-020-AMB 14K Monochrome Amber 12L-020-RCT 14W(2000)normal lens, 5000K, 70-CH 12L-020-RCT 14W(2000)normal lens, 4000K, 70-CH 12L-020-RCT 14W(2000)normal lens, 5000K, 70-CH 12L-020-RCT 22W(2000)normal lens, 5000K, 70-CH 12L-020-RCT 22W(2000)normal lens, 4000K, 70-CH 12L-020-RCT 22W(2000)normal lens, 5000K, 70-CH Consult factory for other CCT's(2700K, 4500K) and CRIs (Ra 90-92)

Body	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/277V 120V 120V 277V 208/277V 347V 347V	EM 1 Battery Backup LP 1 Luminous Output SF 1 Single Fuse DF 1 Double Fuse
44R6-8	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWWS 1Siketylic Wireless on USB SWTAS 1Siketylic Wireless "Panel" SWERS 1Siketylic Wireless Bridge Mode	480V 480V	
For Non-Impact Rated 44" CAH, 44" Round (Patron)				
	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/277V 120V 120V 277V 208/277V 347V 347V	EM 1 Battery Backup LP 1 Luminous Output SF 1 Single Fuse DF 1 Double Fuse
44R6-8	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWWS 1Siketylic Wireless on USB SWTAS 1Siketylic Wireless "Panel" SWERS 1Siketylic Wireless Bridge Mode	480V 480V	
For Non-Impact Rated 44" CAH, 44" Round (Patron)				
	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/277V 120V 120V 277V 208/277V 347V 347V	EM 1 Battery Backup LP 1 Luminous Output SF 1 Single Fuse DF 1 Double Fuse
44R6-8	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWWS 1Siketylic Wireless on USB SWTAS 1Siketylic Wireless "Panel" SWERS 1Siketylic Wireless Bridge Mode	480V 480V	
For Non-Impact Rated 44" CAH, 44" Round (Patron)				
	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/277V 120V 120V 277V 208/277V 347V 347V	EM 1 Battery Backup LP 1 Luminous Output SF 1 Single Fuse DF 1 Double Fuse
44R6-8	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWWS 1Siketylic Wireless on USB SWTAS 1Siketylic Wireless "Panel" SWERS 1Siketylic Wireless Bridge Mode	480V 480V	
For Non-Impact Rated 44" CAH, 44" Round (Patron)				
	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/277V 120V 120V 277V 208/277V 347V 347V	EM 1 Battery Backup LP 1 Luminous Output SF 1 Single Fuse DF 1 Double Fuse
44R6-8	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWWS 1Siketylic Wireless on USB SWTAS 1Siketylic Wireless "Panel" SWERS 1Siketylic Wireless Bridge Mode	480V 480V	
For Non-Impact Rated 44" CAH, 44" Round (Patron)				
	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/277V 120V 120V 277V 208/277V 347V 347V	EM 1 Battery Backup LP 1 Luminous Output SF 1 Single Fuse DF 1 Double Fuse
44R6-8	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWWS 1Siketylic Wireless on USB SWTAS 1Siketylic Wireless "Panel" SWERS 1Siketylic Wireless Bridge Mode	480V 480V	
For Non-Impact Rated 44" CAH, 44" Round (Patron)				
	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/277V 120V 120V 277V 208/277V 347V 347V	EM 1 Battery Backup LP 1 Luminous Output SF 1 Single Fuse DF 1 Double Fuse
44R6-8	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWWS 1Siketylic Wireless on USB SWTAS 1Siketylic Wireless "Panel" SWERS 1Siketylic Wireless Bridge Mode	480V 480V	
For Non-Impact Rated 44" CAH, 44" Round (Patron)				
	Finish	Control Options	Voltage	Options
44R6-20	44" CAH Impact Resistant Base, 44" F030-22 Rated Aluminum	SWP-1+ 1Siketylic pre-commission Mgt-1 Motor wiring 0-50A amp, 100% output range N/A None No Wireless pre-commission	120V 120/27	

P20 PureForm LED small round

Area light with comfort optics

Dimensions

Standard Arm (ART)

8.2 in (20.7cm)
5.1 in (12.8cm)
24.2 in (61.3cm)
3.5 in (8.9cm)
7.1 in (18.0cm)
6.5 in (16.5cm)
20.2 in (51.4cm)
0.92.9 in (832.6cm)
0.81.5 in (40.9cm)
2.4 in (6.1cm)

Wall Mount (WPL)

7.1 in (18.0cm)
6.5 in (16.5cm)
20.2 in (51.4cm)
3.5 in (8.9cm)
0.92.9 in (832.6cm)
0.81.5 in (40.9cm)
2.4 in (6.1cm)
0.6 in (1.5cm)
5.4 in (13.8cm)

Retrofit Arm (RAM)

7.8 in (19.7cm)
6.5 in (16.5cm)
20.4 in (51.8cm)
3.5 in (8.9cm)
0.92.9 in (832.6cm)
0.81.5 in (40.9cm)
2.2 in (5.7cm)
1.2 in (3.0cm)

Drill Patterns

Standard Arm (ART)

0.41 in (10.1cm)
2 in (5.1cm)
2 in (5.1cm)
0.41 in (10.1cm)
3 in (7.6cm)
4.1 in (10.4cm)
0.31 in (8.2cm)
4.7 in (11.9cm)

Retrofit Arm (RAM)

0.41 in (10.1cm)
2 in (5.1cm)
2 in (5.1cm)
0.41 in (10.1cm)
3 in (7.6cm)
4.1 in (10.4cm)
0.31 in (8.2cm)
2.2 in (5.7cm)
4.1 in (10.4cm)

Weight: 10.1 lbs (4.6 kg)
EPA: 2880 (322m²)

With External House Shield option (EHS)

6.2 in (15.7cm)
5.1 in (12.8cm)
8.7 in (22.0cm)
6.2 in (15.7cm)
5.1 in (12.8cm)
0.92.9 in (832.6cm)
0.81.5 in (40.9cm)

P20_PureForm_led_area_small_round 04/21 page 4 of 6

		MSA ARCHITECTS, INC. AAC000895 8950 SW 74th COURT SUITE 1513 MIAMI, FLORIDA 33156 (305) 273-5971		FOR: ROSEN ASSOCIATES DEVELOPMENT INC LOCATED AT: DELRAY BEACH, FLORIDA		SPRAB RE-SUBMITTAL 02-13-23 SPRAB RE-SUBMITTAL 05-11-23	BY
DRAWN		05/06/2021					
DATE							
SCALE		AS SHOWN					
JOB NO.		2061.PRJ/21146					
SHEET TITLE:							
PHOTOMETRIC DETAILS							
SHEET NUMBER:							
ES0.1							

	NOTE	HVAC PLUMBING ELECTRICAL
	THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ENGINEER'S DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED TO CONSTRUCT THE BUILDING. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL BUILDING WHETHER INDICATED ON THE PLANS OR NOT.	THOMPSON & YOUNGROSS ENGINEERING CONSULTANTS, LLC
CERTIFICATE OF AUTHORIZATION NO. 25996		
902 CLINT MOORE ROAD, SUITE 142 BOCA RATON, FLORIDA 33487 www.tyecfo.com		TEL: 561-274-0200 FAX: 561-274-0222 E-MAIL: tec@tyecfo.com

1) FINAL: CAST ALUMINUM, 356 ALLOY, SECURED WITH (1) 1/4"-20 THREADED ROD

2) UPPER ROOF SPINNING: 13 GAUGE (0.0720" THK.) SPUN ALUMINUM

3) LOWER ROOF SPINNING: 13 GAUGE (0.0720" THK.) SPUN ALUMINUM

4) COOLCAST™ HEAT DISSIPATING ROOF: CAST ALUMINUM, 356 ALLOY, SECURED WITH (4) 10-24 ROUND HEAD MACHINE SCREWS

5) CROSSFIRE™ GENERATION TWO OPTICAL SYSTEM: INJECTION WOLDED REFRACTIVE ACRYLIC, TYPE II (ASYMMETRIC) DISTRIBUTION

6) 1 WATT DREE XITE LED CHIPS (54 CHIPS REQUIRED PER FIXTURE, POSITIONED IN 3 ROWS OF 9 PER BOARD X 2 BOARDS)

7) LUMINAIRE RING: CAST ALUMINUM, 356 ALLOY

8) GASKET: SILICONE GASKET

9) GLOBE: 118 STYLE GLASS GLOBE WITH SMOOTH EXTERIOR SURFACE AND REBBED INTERNAL SURFACE

10) TIE-ROD: (2) MACHINED ALUMINUM STAND OFF TO SECURE LUMINAIRE RING AND GLOBE TO CASING

11) GLOBE RING: CAST ALUMINUM, 356 ALLOY, WELDED CONNECTION TO FITTER

12) FITTER: CAST ALUMINUM, 356 ALLOY, SECURED TO TENON WITH (4) 1/4"-20 SET SCREWS

13) BRACKET: 16 GAUGE GALVANIZED STEEL DRIVER BRACKET, SECURED WITH (2) 10-24 MACHINE SCREWS

14) LED DRIVER: DRIVER TO BE DETERMINED (BASED ON REQUIRED WATTAGE), SECURED WITH (1) 10-24 MACHINE SCREW

15) DRIVER CHAMBER: LOWER CHAMBER HOUSING DRIVER ASSEMBLY AND WIRING ACCESS

16) GASKET: SILICONE GASKET

17) DRIVER COVER: 16 GAUGE, GALVANIZED STEEL COVER, SECURED WITH (3) 10-24 MACHINE SCREWS

18) POWER CABLE: BUNDLED POWER CABLE WIRE

19) OPTICAL CHAMBER: IP65 RATED SEALED UPPER CHAMBER HOUSING LED ASSEMBLY, GLOBE ASSEMBLY AND WIRING

20) QUICK DISCONNECTS: ELECTRICAL COMPONENTS SUPPLIED WITH QUICK DISCONNECTS

21) THREADED ROD: 1/4"-20 THREADED ROD, SECURED TO CAST ALUMINUM ROOF

17 5/8" DIA.

40 5/8"

LUMINAIRE TO ACCEPT 4 1/8" DIA. X 4" HIGH TENON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

THIS drawing is property of Spring City Elect. Mfg. and is loaned to the recipient with the understanding that it shall not be copied, duplicated, passed on to unauthorized parties, nor used for any purpose other than that for which it is specifically furnished except with Spring City's written permission.

LUMINAIRE SPECIFICATIONS

STYLE:	DELAIR
HEIGHT:	40 5/8"
WEIGHT:	17 5/8" DIAMETER
MATERIAL:	CAST ALUMINUM ALLOY A.A.S.I.
	356, PER ASTM B209-95
	SMOOTH EXTERIOR GLASS
GLOBE:	
FINISH:	POWDER COATED - DELAIR GREEN TEXTURE
LAMPING:	SYSTEM WATT: 95 WATT CREE LED SYSTEM
VOLTAGE:	ELECTRONIC WIRED AT 120-277 VOLTS
COLOR TEMPERATURE:	4000K COLOR TEMP.
DISTRIBUTION:	TYPE II (ASYMMETRIC) DISTRIBUTION
CATALOG NO WITHOUT HOUSE SIDE SHIELD:	ALUMH-LEORS/EVW/XZ-40-GR18-OR3-FDL-CJ-DELAIR GREEN

PROJECTED AREAS AND WEIGHT

SECTION	PROJ. AREA	GD	E.P.A.
HOLDER	2.83 Sq. Ft.	0.50	1.41 Sq. Ft.
TOTAL ASSEMBLY WEIGHT			56 LBS.



Spring City Electrical Mfg. Co.
 HALL AND MAIN STREETS - P.O. BOX 19 - SPRING CITY, PA. 19475
 PHONE (610) 948-4000 - FAX (610) 948-5077 - WWW.SPRINGCITYMFG.COM

DESCRIPTION	THE DELAIR LED LUMINAIRE WITH THE CROSSFIRE™ GENERATION TWO LED OPTICAL SYSTEM		
CUSTOMER JOB	DELAIR BEACH, FL		
SCALE	DRAWN BY: B.K.R.	DATE: 6-18-19	DRAWING NO. FIX-28512
N.T.S.			

FOR OVERALL PROJECT ARE THE LEGAL PROPERTY OF AND ALL RIGHTS ARE RESERVED BY THE ARCHITECT, THE ARCHITECT.

5=1/8" O.D.
POLE TOP DIA.
1-3/4" ± 1/4"
RACONWAY

(MOCKE)
(2) 3/4" NPS
THREADED PIPE
Ø 270P AS SH.
REMOVE BAN
SPECIFIED W/IN
SPELIFIED TO
NPS TO PROTECT
FROM FAILURE

**SUPCRAFT
PRESTRESSED
CONCRETE POL**

MASONRY POLE
TAG Ø 9"

RECESSED CAP
FRAME & COVER
ANODIZED (AC)
TURBOGUE GR
COVER TO BE
TO SHIPMENT
(STD) DOOR 50

(MOCKE-FE)
(1) COUPLED OF
ANODIZED &
WATERPROOF
VAL6016 (DS)

FRANCE L.

(2) 2-1/4"
Ø 92 &
(1) Ø 92 &

(MOCKE), EX
LENGTH AS
3-1/2" ± 1"

8" BUTT DIA.
RACONWAY

POL
HEIGHT
ADJUS
GRADE
15'-1"

OVERALL
POLE
LENGTH
20'-11"

(62")
14" ± 2"
48" ± 1/16"
1"

(30") (21")

SPECIAL
ROUND
NON-THERM
EMBEDDED
LENGTH
5'-10"

1"

CONFORMANCE TO ANY CODE NOT PART WITH Y LISTED FOR THIS DRAWING IS NOT GUARANTEED.
PLEASE PROVIDE REVISIONS AND/OR VARIATIONS OF THE SAME BEFORE CONSTRUCTION.

© 2019 MSA ARCHITECTS, INC. THE ARCHITECTURAL DESIGN AND DETAIL DRAWINGS FOR THIS BUILDING AND/ OR ANY PART THEREOF ARE THE PROPERTY OF MSA ARCHITECTS, INC. THEIR USE FOR REPRODUCTION, CONSTRUCTION, OR DISTRIBUTION IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY THE ARCHITECT.

1146	OWN	1146
------	-----	------

	BY
SPRAB RE-SUBMITTAL 02-13-23	
SPRAB RE-SUBMITTAL 05-11-23	
SPRAB RE-SUBMITTAL 08-11-23	
SPRAB RE-SUBMITTAL 08-14-23	
SPRAB RE-SUBMITTAL 10-28-23	

FOR:
ROSEN ASSOCIATES DEVELOPMENT INC
LOCATED AT:
DELRAY BEACH, FLORIDA

BEATRIZ M. HERNANDEZ
AR0094576

MSA ARCHITECTS, INC.
AAC000895
8950 SW 74th COURT
SUITE 1513
MIAMI, FLORIDA 33156
(305) 273-9911

MSA
ARCHITECTS
ARCHITECTURE & PLANNING

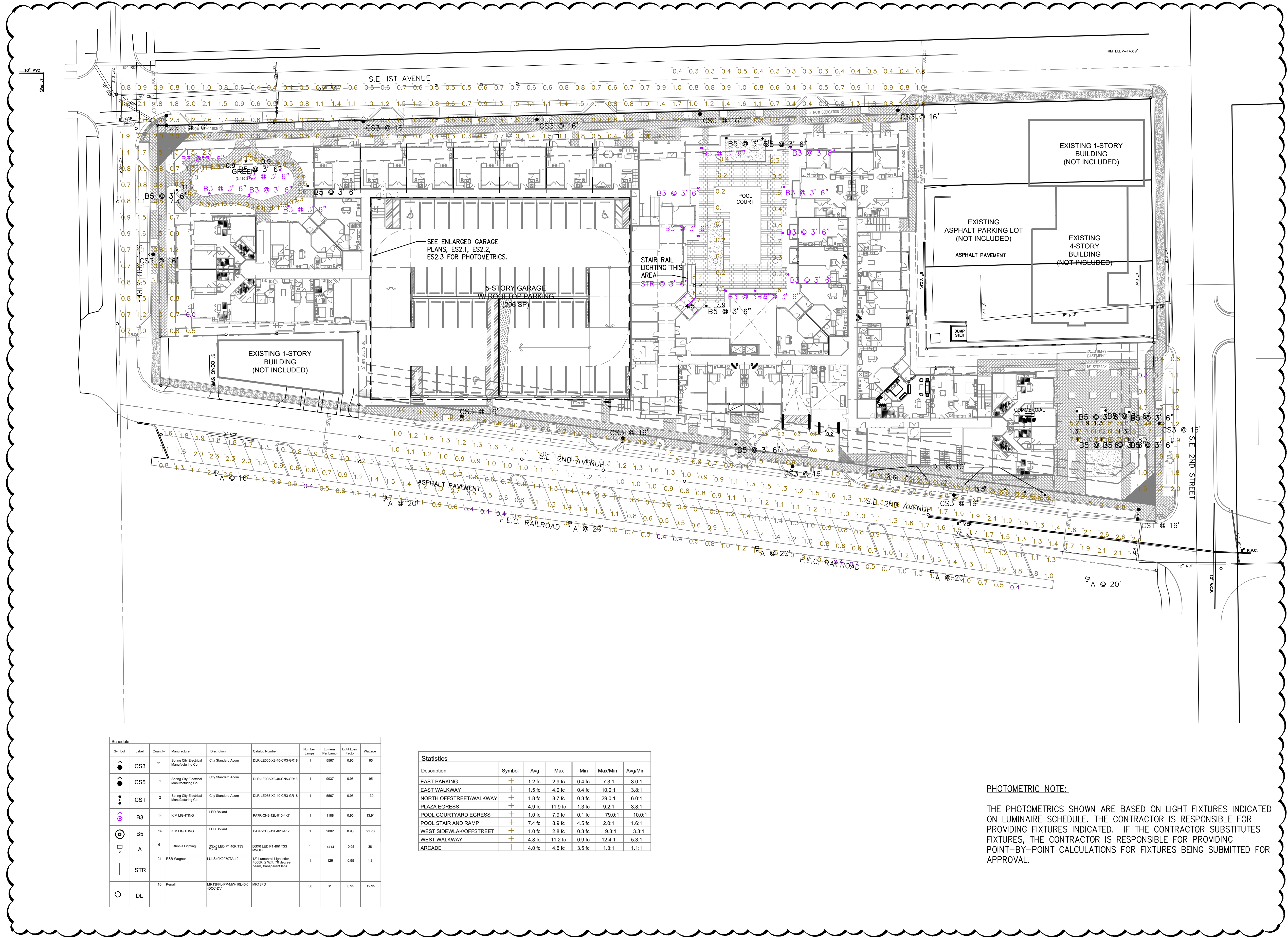
COPYRIGHT © 2021 BY MSA ARCHITECTS, INC. ALL RIGHTS RESERVED. THIS BUILDING AND/OR OVERALL PROJECT ARE THE LEGAL PROPERTY OF AND ALL RIGHTS ARE RESERVED BY THE ARCHITECT. THEIR USE FOR REPRODUCTION, CONSTRUCTION, OR DISTRIBUTION IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY THE ARCHITECT.

DRAWN
DATE 06/06/2021
SCALE AS SHOWN
JOB NO. 2061.PRJ/21146
SHEET TITLE:

SITE PLAN
PHOTOMETRICS

SHEET NUMBER:

ES1.1

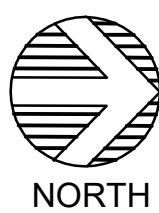


Symbol	Label	Quantity	Manufacturer	Description	Cabling Number	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
▲	CS3	11	Spring City Electrical Manufacturing Co	City Standard Acorn	DURLER950-40-GR3-GR18	1	5567	0.95	65
●	CS5	1	Spring City Electrical Manufacturing Co	City Standard Acorn	DURLER950-40-CHG-GR18	1	9207	0.95	95
⋮	CST	2	Spring City Electrical Manufacturing Co	City Standard Acorn	DURLER950-40-GR3-GR18	1	5567	0.95	180
⊕	B3	14	KOM LIGHTING	LED Ballast	PA17R-CHS-12L-010-407	1	1188	0.95	13.91
⊕	B5	14	KOM LIGHTING	LED Ballast	PA17R-CHS-12L-025-407	1	2092	0.95	21.73
□	A	6	Lithonia Lighting	LED P1 40K T35	020X1 LED P1 40K T35 MWSL1	1	4714	0.95	38
┃	STR	24	RAB Wagner	ULA540K2070TA-12	12" Luminaire Light disk, 4000K, 2 W/ 70 degree beam, temperature 50°	1	129	0.85	1.8
○	DL	10	Kennel	MR13FL-PP-MW-15L-40K-DCC-DV	MR13FD	30	31	0.95	12.95

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
EAST PARKING	+	1.2 fc	2.9 fc	0.4 fc	7.3:1	3.0:1
EAST WALKWAY	+	1.5 fc	4.0 fc	0.4 fc	10.0:1	3.8:1
NORTH OFFSTREET WALKWAY	+	1.8 fc	8.7 fc	0.3 fc	29.0:1	6.0:1
PLAZA EGRESS	+	4.9 fc	11.9 fc	1.3 fc	9.2:1	3.8:1
POOL COURTYARD EGRESS	+	1.0 fc	7.9 fc	0.1 fc	79.0:1	10.0:1
POOL STAIR AND RAMP	+	7.4 fc	8.9 fc	4.5 fc	2.0:1	1.6:1
WEST SIDE WALK/OFFSTREET	+	1.0 fc	2.8 fc	0.3 fc	9.3:1	3.3:1
WEST WALKWAY	+	4.8 fc	11.2 fc	0.9 fc	12.4:1	5.3:1
ARCADE	+	4.0 fc	4.6 fc	3.5 fc	1.3:1	1.1:1

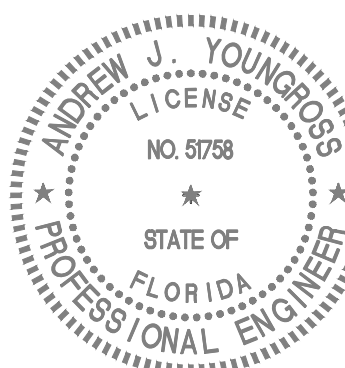
PHOTOMETRIC NOTE:

THE PHOTOMETRICS SHOWN ARE BASED ON LIGHT FIXTURES INDICATED ON LUMINAIRE SCHEDULE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIXTURES INDICATED. IF THE CONTRACTOR SUBSTITUTES FIXTURES, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POINT-BY-POINT CALCULATIONS FOR FIXTURES BEING SUBMITTED FOR APPROVAL.



SITE PLAN - PHOTOMETRIC

SCALE: 1"= 30'-0"



NOTE

THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ENGINEERS DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED TO CONSTRUCT THE BUILDING. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL BUILDING WHETHER INDICATED ON THE PLANS OR NOT.



HVAC
PLUMBING
ELECTRICAL

THOMPSON & YOUNGROSS ENGINEERING CONSULTANTS, LLC

CERTIFICATE of AUTHORIZATION NO. 25996

902 CLINT MOORE ROAD, SUITE 142
BOCA RATON, FLORIDA 33487
www.tyecfa.com

TEL: 561-274-0200
FAX: 561-274-0222
E-MAIL: tec@tyecfa.com

SITE PLAN REVIEW PROGRESS SET 12/03/2021

	BY
SPRAB RE-SUBMITTAL 02-13-23	
SPRAB RE-SUBMITTAL 05-11-23	

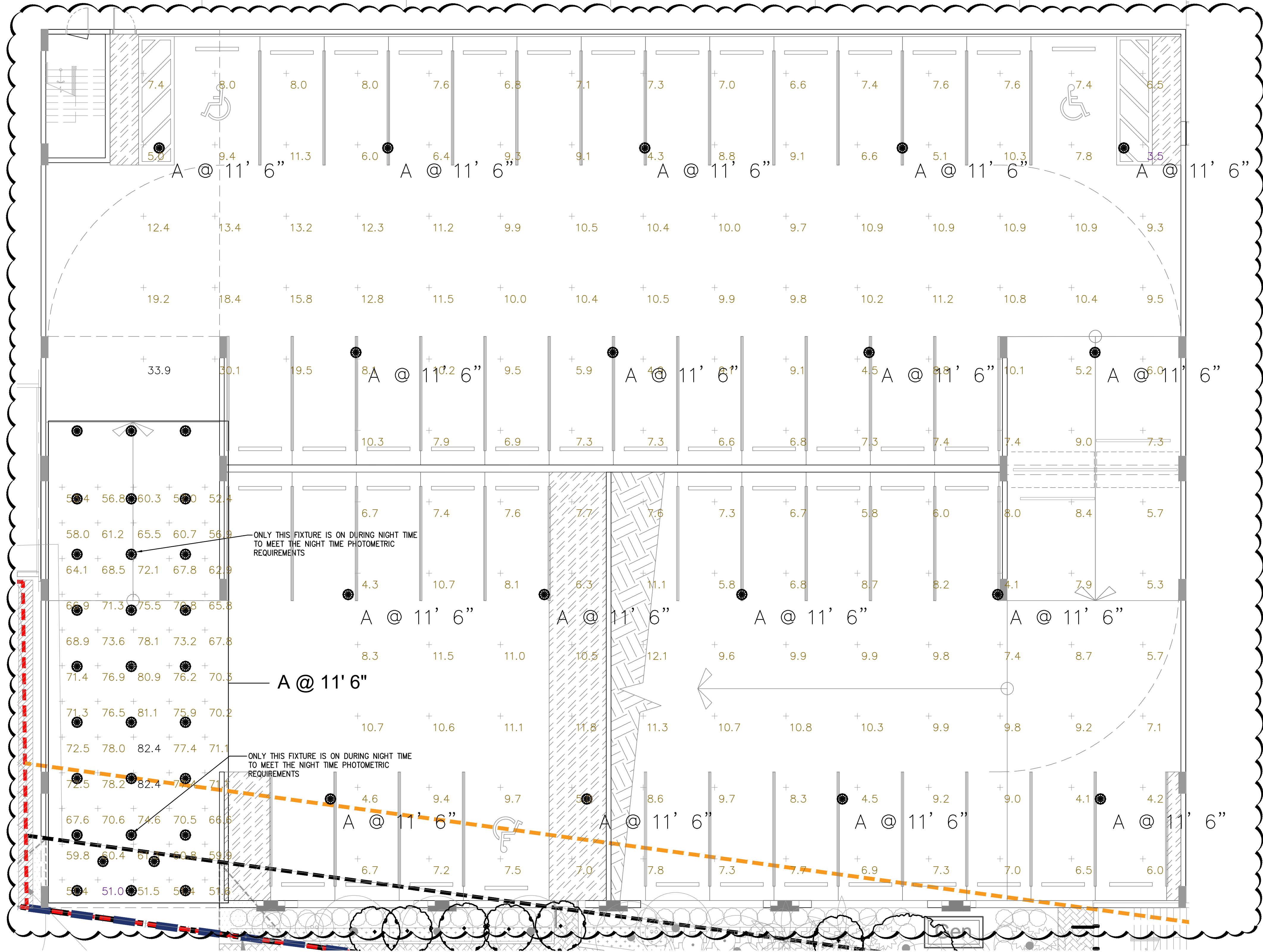
FOR: ROSEN ASSOCIATES DEVELOPMENT INC
LOCATED AT: DELRAY BEACH, FLORIDA

BEATRIZ M. HERNANDEZ
AR0094576

MSA ARCHITECTS, INC.
AAC00895
8950 SW 74th COURT
SUITE 1513
MIAMI, FLORIDA 33156
(305) 273-9911



COPYRIGHT © 2018 MSA ARCHITECTS, INC. THE ARCHITECTURAL DESIGN AND DETAIL DRAWINGS FOR THIS BUILDING AND/OR OVERALL PROJECT ARE THE LEGAL PROPERTY OF AND ALL RIGHTS ARE RESERVED BY THE ARCHITECT. THEIR USE FOR REPRODUCTION, CONSTRUCTION, OR DISTRIBUTION IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY THE ARCHITECT.



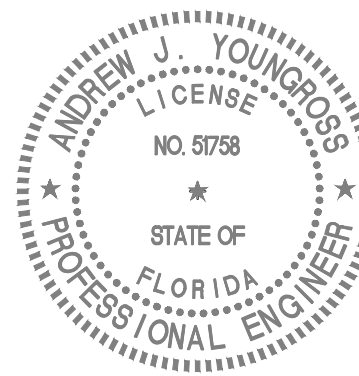
Schedule							
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp
	A	66	Beacon Products	SRT2-120-4K7-SW-UNV-GT	SRT2 18.5" Round Garage Ceiling Light w/ Type V-Wide Optics	1	12600
							Light Loss Factor
							110.9

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
ENTRY TRANSITION DAYTIME	+	67.5 fc	82.4 fc	51.0 fc	1.6:1	1.3:1
ENTRY TRANSITION NIGHT TIME	+	4.4 fc	5.9 fc	1.3 fc	4.5:1	3.4:1
GARAGE 1ST LEVEL	+	8.9 fc	33.9 fc	3.5 fc	9.7:1	2.5:1
GARAGE ROOF LEVEL	+	1.8 fc	3.7 fc	0.5 fc	7.4:1	3.6:1
GARAGE TYP LEVEL	+	6.2 fc	8.8 fc	3.4 fc	2.6:1	1.8:1



GARAGE 1ST LEVEL - PHOTOMETRICS

SCALE: 1/8"= 1'-0"



NOTE

THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ENGINEERS DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED TO CONSTRUCT THE BUILDING. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL BUILDING WHETHER INDICATED ON THE PLANS OR NOT.



HVAC
PLUMBING
ELECTRICAL

THOMPSON & YOUNGROSS ENGINEERING CONSULTANTS, LLC	
CERTIFICATE of AUTHORIZATION NO. 25996	
902 CLINT MOORE ROAD, SUITE 142 BOCA RATON, FLORIDA 33487 www.tyecfo.com	TEL: 561-274-0200 FAX: 561-274-0222 E-MAIL: tye@tyecfo.com

SITE PLAN REVIEW PROGRESS SET 12/03/2021

DRAWN
DATE 05/06/2021
SCALE AS SHOWN
JOB NO. 2081.PRJ/21146
SHEET TITLE:

GARAGE 1ST
LEVEL
PHOTOMETRICS

SHEET NUMBER:

ES2.1

	BY
SPRAB RE-SUBMITTAL 02-13-23	
SPRAB RE-SUBMITTAL 05-11-23	

FOR:
ROSEN ASSOCIATES DEVELOPMENT INC
LOCATED AT:
DELRAY BEACH, FLORIDA

BEATRIZ M. HERNANDEZ
AR0094576

MSA ARCHITECTS, INC.
AAC000895
8950 SW 74th COURT
SUITE 1513
MIAMI, FLORIDA 33156
(305) 273-9911



COPYRIGHT © 2018 MSA ARCHITECTS, INC. THE ARCHITECTURAL DESIGN AND DETAIL DRAWINGS FOR THIS BUILDING AND/OR OVERALL PROJECT ARE THE LEGAL PROPERTY OF AND ALL RIGHTS ARE RESERVED BY THE ARCHITECT. THEIR USE FOR REPRODUCTION, CONSTRUCTION, OR DISTRIBUTION IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY THE ARCHITECT.

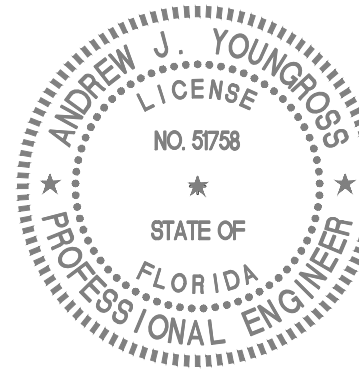
Schedule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	A	66	Beacon Products	SRT2-120-4K7-SW-UNV-GT	SRT2 18.5" Round Garage Ceiling Light w/ Type V-Wide Optics	1	12600	0.9	110.9

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
ENTRY TRANSITION DAYTIME	+	68.8 fc	83.4 fc	51.5 fc	1.6:1	1.3:1
ENTRY TRANSITION NIGHT TIME	+	5.7 fc	9.9 fc	2.1 fc	4.7:1	2.7:1
GARAGE 1ST LEVEL	+	14.2 fc	41.1 fc	5.2 fc	7.9:1	2.7:1
GARAGE ROOF LEVEL	+	1.8 fc	3.7 fc	0.5 fc	7.4:1	3.6:1
GARAGE TYP LEVEL	+	6.2 fc	8.8 fc	3.4 fc	2.6:1	1.8:1



GARAGE TYP LEVEL 2- 5 PHOTOMETRICS

SCALE: 1/8"= 1'-0"



NOTE		TYEC	
THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ENGINEERS DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED TO CONSTRUCT THE BUILDING. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL BUILDING WHETHER INDICATED ON THE PLANS OR NOT.		HVAC PLUMBING ELECTRICAL	
		THOMPSON & YOUNGROSS ENGINEERING CONSULTANTS, LLC	
		CERTIFICATE of AUTHORIZATION NO. 25996	
		902 CLINT MOORE ROAD, SUITE 142 BOCA RATON, FLORIDA 33487 www.tyecfla.com	
		TEL: 561-274-0200 FAX: 561-274-0222 E-MAIL: tyc@tyecfla.com	

SITE PLAN REVIEW PROGRESS SET 12/03/2021

DRAWN	05/06/2021
DATE	AS SHOWN
SCALE	2081.PRJ/21146
JOB NO.	
SHEET TITLE:	GARAGE TYPICAL LEVEL PHOTOMETRICS
SHEET NUMBER:	ES2.2

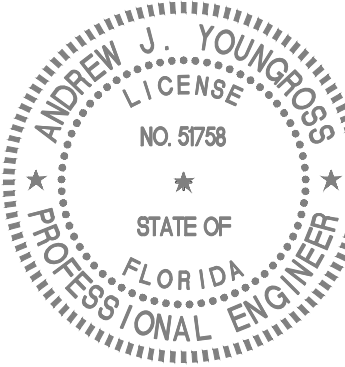
Schedule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	D	8	GARDCO	P20-C-A03-840-T4S	Pureform Area Small 20" Round, 196 LED's, 4000K CCT, TYPE T4S OPTIC, 80CRI	1	5819	0.95	50.8914

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
ENTRY TRANSITION DAYTIME	+	68.8 fc	83.4 fc	51.5 fc	1.6:1	1.3:1
ENTRY TRANSITION NIGHT TIME	+	5.7 fc	9.9 fc	2.1 fc	4.7:1	2.7:1
GARAGE 1ST LEVEL	+	14.2 fc	41.1 fc	5.2 fc	7.9:1	2.7:1
GARAGE ROOF LEVEL	+	1.8 fc	3.7 fc	0.5 fc	7.4:1	3.6:1
GARAGE TYP LEVEL	+	6.2 fc	8.8 fc	3.4 fc	2.6:1	1.8:1



GARAGE TYP LEVEL 2- 5 PHOTOMETRICS

SCALE: 1/8"= 1'-0"



NOTE		TYEC	
THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ENGINEERS DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED TO CONSTRUCT THE BUILDING. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL BUILDING WHETHER INDICATED ON THE PLANS OR NOT.		HVAC PLUMBING ELECTRICAL	
		THOMPSON & YOUNGROSS ENGINEERING CONSULTANTS, LLC	
		CERTIFICATE of AUTHORIZATION NO. 25996	
902 CLINT MOORE ROAD, SUITE 142 BOCA RATON, FLORIDA 33487 www.tyecfa.com		TEL: 561-274-0200 FAX: 561-274-0222 E-MAIL: tyc@tyecfa.com	

SITE PLAN REVIEW PROGRESS SET 12/03/2021

DRAWN	05/06/2021
DATE	AS SHOWN
SCALE	JOB NO. 2081.PRJ/21146
SHEET TITLE:	GARAGE TOP LEVEL PHOTOMETRICS
SHEET NUMBER:	ES2.3

FOR:
ROSEN ASSOCIATES DEVELOPMENT INC
LOCATED AT:
DELRAY BEACH, FLORIDA

BEATRIZ M. HERNANDEZ
AR0094576

MSA ARCHITECTS, INC.
AAC000895
8950 SW 74th COURT
SUITE 1513
MIAMI, FLORIDA 33156
(305) 273-9911



COPYRIGHT © 2018 MSA ARCHITECTS, INC. THE ARCHITECTURAL DESIGN AND DETAIL DRAWINGS FOR THIS BUILDING AND/OR OVERALL PROJECT ARE THE LEGAL PROPERTY OF AND ALL RIGHTS ARE RESERVED BY THE ARCHITECT. THEIR USE FOR REPRODUCTION, CONSTRUCTION, OR DISTRIBUTION IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY THE ARCHITECT.

	BY
SPRAB RE-SUBMITTAL 02-13-23	
SPRAB RE-SUBMITTAL 05-11-23	