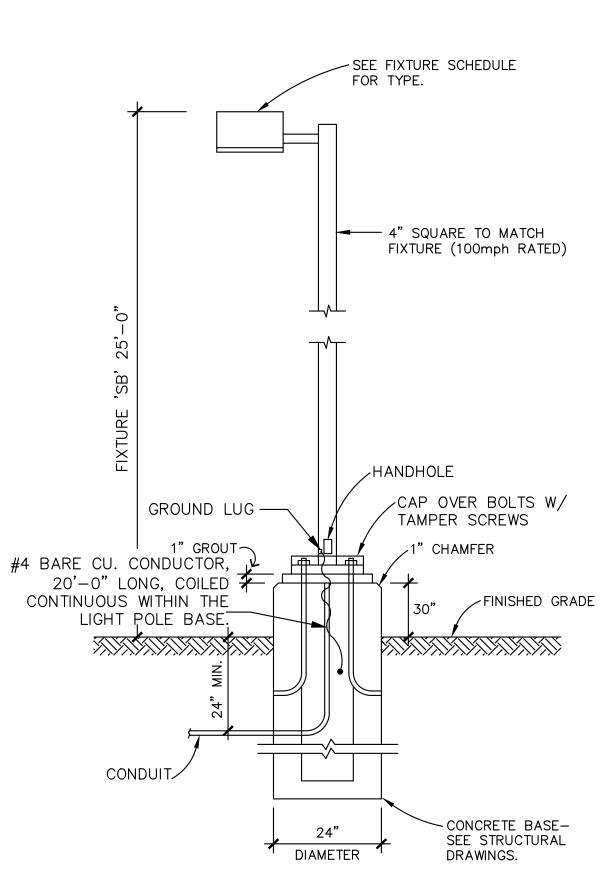


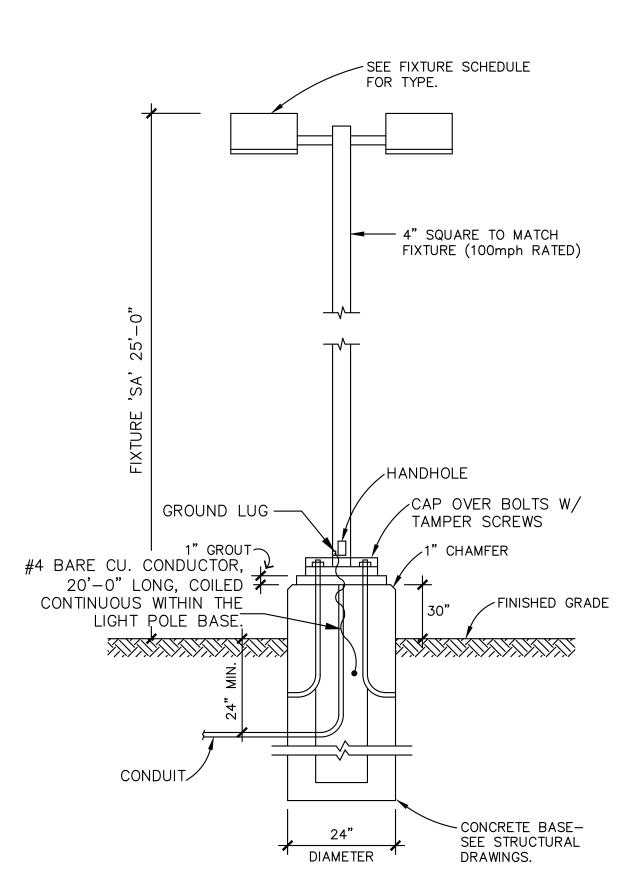
LIGHT POLE AND FIXTURE 'SD'

CONTRACTOR SHALL PROVIDE NEW POLE BASES WHERE INDICATED ON PLANS. LIGHTING FIXTURE POLE DETAILS AND DESCRIPTIONS ARE FOR ELECTRICAL REFERENCES ONLY. PLEASE REFER TO ARCHITECTURAL SHEETS FOR POLE BASE DETAILS.



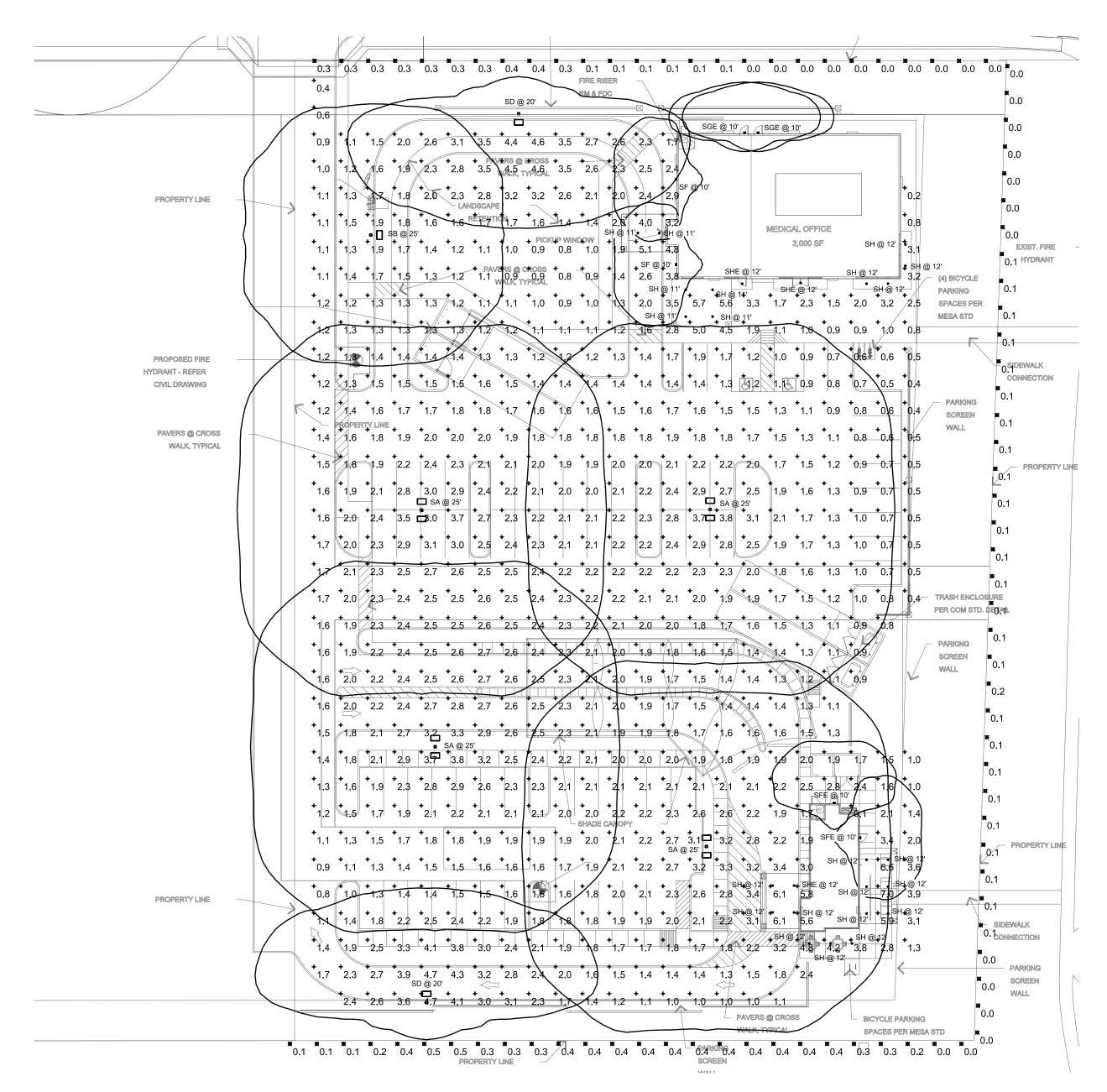
LIGHT POLE AND FIXTURE 'SB'

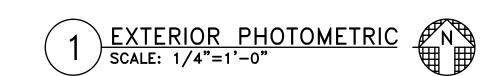
CONTRACTOR SHALL PROVIDE NEW POLE BASES WHERE INDICATED ON PLANS. LIGHTING FIXTURE POLE DETAILS AND DESCRIPTIONS ARE FOR ELECTRICAL REFERENCES ONLY. PLEASE REFER TO ARCHITECTURAL SHEETS FOR POLE BASE DETAILS.



LIGHT POLE AND FIXTURE 'SA'

NOTE:
CONTRACTOR SHALL PROVIDE NEW POLE BASES WHERE INDICATED ON PLANS. LIGHTING FIXTURE POLE DETAILS AND DESCRIPTIONS ARE FOR ELECTRICAL REFERENCES ONLY. PLEASE REFER TO ARCHITECTURAL SHEETS FOR POLE BASE DETAILS.





Schedule					_					
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	SA	4	Lithonia Lighting	(2) DSX0 LED P6 30K T5W MVOLT SPA (FINISH) / SSS 22.5' W/2.5' BASE	TWIN-HEAD DSX0 LED P6 30K T5W MVOLT	LED - 3000K	DSX0_LED_P6_30K_T5 W_MVOLT.ies	15285	0.91	268
	SB	1	Lithonia Lighting	DSX0 LED P6 30K T5W MVOLT SPA (FINISH) / SSS 22.5' W/2.5' BASE	DSX0 LED P6 30K T5W MVOLT	LED - 3000K	DSX0_LED_P6_30K_T5 W_MVOLT.ies	15285	0.91	134
	SD	2	Lithonia Lighting	DSX0 LED P6 30K T2M MVOLT SPA HS (FINISH) / SSS 17.5' W/2.5' BASE	DSX0 LED P6 30K T2M MVOLT with houseside shield	LED - 3000K	DSX0_LED_P6_30K_T2 M_MVOLT_HS.ies	12118	0.91	134
	SF	2	Lithonia Lighting	WDGE2 LED P2 30K 80CRI T4M MVOLT (FINISH)	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 80CRI, TYPE 4 MEDIUM OPTIC	LED - 3000K	WDGE2_LED_P2_30K_ 80CRI_T4M.ies	1922	0.91	18.9815
	SFE	2	Lithonia Lighting	WDGE2 LED P2 30K 80CRI T4M MVOLT E20WC (FINISH)	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 80CRI, TYPE 4 MEDIUM OPTIC W/EM BATTERY PACK	LED - 3000K	WDGE2_LED_P2_30K_ 80CRI_T4M.ies	1922	0.91	18.9815
	SGE	2	Lithonia Lighting	WDGE2 LED P2 30K 80CRI T2M MVOLT E20WC (FINISH)	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 80CRI, TYPE 2 MEDIUM OPTIC W/EM BATTERY PACK	LED - 3000K	WDGE2_LED_P2_30K_ 80CRI_T2M.ies	1963	0.91	18.9815
\otimes	SH	22	DMF LIGHTING	DRDH N JO / DRD5S 4 R 10 9 3	4IN SURFACE MOUNTED DOWNLIGHT	LED - 3000K	DRD5S-4R-10930.ies	1015	0.91	11.8
\otimes	SHE	3	DMF LIGHTING	DRDH N JO 100SEM / DRD5S 4 R 10 9 3 EM	4IN SURFACE MOUNTED DOWNLIGHT W/EM BATTERY PACK	LED - 3000K	DRD5S-4R-10930.ies	1015	0.91	11.8

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE - FC @ GRADE	+	2.0 fc	7.0 fc	0.1 fc	70.0:1	20.0:1
PROPERTY LINE - FC @ 3' AFG	Ж	0.2 fc	0.5 fc	0.0 fc	N/A	N/A

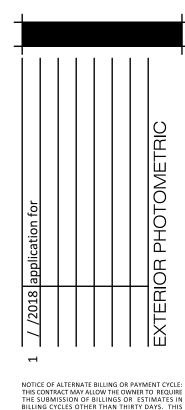




ARDEBILI Project Number: 22315 | Project Manager: PC 7328 E Stetson Dr., Scottsdale, AZ 85251 P: 480.626.7072 | ardebilieng.com







202 AND RECKER

drawn by: **FK** checked by: **PC**

design by: **JO**

EO. 1 project: **21065** DATE: xx-xx-19

SA/SB/SD

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Order	ing Informa	ntion	EXA	AMPLE: DSX0 LE	D P6 40K T3M M	VOLT SPA I	NLTAIR2 PIRHN DDBXD	
DSX0 LED								
Series	LEDs	Color temperature	Distribution		Voltage	Mounting		
DSXO LED	Forward optics P1 P5 P2 P6 P3 P7 P4 Rotated optics P102 P122 P112 P13 P2	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short 3	T5S Type V short ³ T5M Type V medium ³ T5W Type V wide ³ BLC Backlight control ⁴ LCCO Left corner cutoff ⁴ RCCO Right corner cutoff ⁴	MVOLT (120V-277V) 5.6 XVOLT (277V-480V) 7.8.9 120 6 208 6 240 6 277 6 347 6 480 6	Shipped include SPA RPA WBA SPUMBA RPUMBA Shipped separa KMA8 DDBXD U	Square pole mounting Round pole mounting ¹⁰ Wall bracket ³ Square pole universal mounting adaptor ¹¹ Round pole universal mounting adaptor ¹¹	

Control options			0ther	options	Finish (requ	ired)
Shipped installed NLTAIR2	PIR PIRH PIR1FC3V PIRH1FC3V FAO	High/low, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 5fc ^{19,20} High/low, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 5fc ^{19,20} High/low, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 1fc ^{19,20} High/low, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 1fc ^{19,20} Field adjustable output ²¹	HS SF DF L90 R90 DDL HA BAA	ped installed House-side shield ²² Single fuse (120, 277, 347V) ⁶ Double fuse (208, 240, 480V) ⁶ Left rotated optics ² Right rotated optics ² Diffused drop lens ²² 50°C ambient operations ¹ Buy America(n) Act Compliant ped separately Bird spikes ²³ External glare shield	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD	Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white



dmflighting.com

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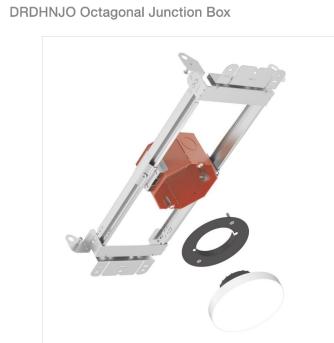
DRD5S & SurfaceFrame

Surface Mou New Construct

ount LED Downlight	D.
ction	Pr
ctagonal Junction Box	

Project:	Type: SH/SHE
Product Code:	Date:

Spec Sheet V-01.10.22



- Thinnest-in-class DRD5S delivers the pure, smooth light and the elegant look of a high-end recessed downlight
- Features multiple ratings to meet the demands of a wide range of situations
- Ultra-low profile allows it to install in as little as 2" of ceiling space when 5/8" drywall is used

Application		Aperture				
New Construction		4" Octagonal Junction Box				
Delivered Lumens		Color Quality				
750 lm (9.0W), 1000 lm (12.0	W)	90+ CRI, < 3-step SDCM				
Color Temperature		Optics				
2700K 3000K 3500K		General				
		General				
Input Voltage	Dimming	Emergency Lighting				
120V only (TRIAC/ELV), 120/277V (0-10V)	TRIAC/ELV 5% 0-10V 1%	Optional Emergency LED Driver with for lighting up to 90 minutes in even	0			
Shape	,	Finish	Module Ratings			
Round, Square		White	UL Closet Rating			
			Compliant (750 lm only)			
Housing Ratings						
Code compliant for use in appropriate fire-rated assemblies up to a maximum of 2-hours	d Sound Rated	ASTM E283 (IC (Insulation Contact) Rated Air Tight	UL Listed for Wet Location			
Code compliant for use in appropriate fire-rated assemblies up to a	d Sound Rated	Certified Contact) Rated	Wet Location			



Specifications

1.5"

11.5"

13.5 lbs

Depth (D1):

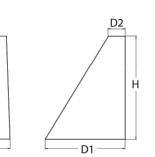
Depth (D2):

Width:

WDGE2 LED Architectural Wall Sconce Precision Refractive Optic







SF/SFE/SGE

The WDGE 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 a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance. WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LE	D Family O	verview									
Turn to a true	0	Canada ad EM 1990	C-14 FM 20%C	Consess	Approximate Lumens (4000K, 80CRI)						
Luminaire	Optics 0	Standard EM, 0°C	Cold EM, -20°C	Sensor	P0	P1	P2	P3		P5	P6
WDGE1 LED	Visual Comfort	4W			750	1,200	2,000				
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight		1,200	2,000	3,000	4,500	6,000	
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200		
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight		7,500	8,500	10,000	12,000		
WDGE4 LED	Precision Refractive			Standalone / nLight		12,000	16,000	18,000	20,000	22,000	25,000
Ordering Information EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD											

						12022 222 10 1011 00	CINI VI IVIVOLI SINIVI DDDAD
Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	
WDGE2 LED	P0 ¹ P1 ² P2 ² P3 ² P4 ²	27K 2700K 30K 3000K 40K 4000K 50K 5000K AMB ³ Amber	70CRI ⁴ 80CRI LW ³ Limited Wavelength	T1S Type I Short T2M Type II Medium T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT 347 ⁵ 480 ⁵	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/ damp locations only) ⁶	AWS 3/8inch Architectural wall spacer PBBW S urface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

	P3 ² 50K 5000K Wav P4 ² AMB ³ Amber	length T4M	Type IV Medium Forward Throw Medium	damp locations only) ⁶		nduit entry). Use when there nction box available.
E10WH E20WC PE ⁷ DMG ⁸ BCE BAA	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) Photocell, Button Type 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) Bottom conduit entry for back box (PBBW). Total of 4 entroints. Buy America(n) Act Compliant	PIR PIRH PIR1FC3V PIRH1FC3V Networked: NLTAIR2 PIR NLTAIR2 PIRH	switched circuits with external dusk to da Bi-level (100/35%) motion sensor for 8-15 programmed for dusk to dawn operation. Bi-level (100/35%) motion sensor for 15-3 programmed for dusk to dawn operation. Sensors/Controls nLightAIR Wireless enabled bi-level motion	wn switching. 30' mounting heights. Intended for use on wn switching 5' mounting heights with photocell pre-	DDBXD DBLXD DNAXD DWHXD DSSXD DDBTXD DBLBXD DNATXD DWHGXD DSSTXD	Dark bronze Black Natural aluminum White Sandstone Textured dark bronze Textured black Textured natural aluminum Textured white Textured sandstone



COMMERCIAL OUTDOOR

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WDGE2 LED Rev. 03/01/22

Project Information

▶ COM*check* Software Version 4.1.5.1 **Exterior Lighting Compliance Certificate**

Energy Code: 2018 IECC 22315 Project Title: Project Type: **New Construction** Exterior Lighting Zone 2 (Residential mixed use area)

Construction Site: Designer/Contractor: Owner/Agent: 3358 N Recker Road

MESA, AZ 85215 **Allowed Exterior Lighting Power**

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
BG-NE-WALL (Illuminated area of facade wall or surface)	2949 ft2	0.07	No	221
BG-SE-WALL (Illuminated area of facade wall or surface)	2508 ft2	0.07	No	188
PARKING LOTS (Parking area)	87591 ft2	0.04	Yes	3504
		Total Tradab	le Watts (a) =	3504
		Total All	owed Watts =	3913
	Total All	lowed Supplement	al Watts (b) =	400
(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.				

(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A	В	С	ט	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C X D
3G-NE-WALL (Illuminated area of facade wall or surface 2949 ft2): Non-tradable W	attage			
LED 1: SGE: Other:	1	2	19	38
LED 2: SF: Other:	1	2	19	38
LED 3: SH: Other:	1	10	12	118
LED 4: SHE: Other:	1	2	12	2
3G-SE-WALL (Illuminated area of facade wall or surface 2508 ft2): Non-tradable Wa	attage			
LED 5: SH: Other:	1	11	12	13
LED 6: SKE: Other:	1	1	12	1.
LED 7: SFE: Other:	1	2	19	3
PARKING LOTS (Parking area 87591 ft2): Tradable Wattage				
LED 8: SA: Other:	2	4	268	107
LED 9: SB: Other:	1	1	134	13
LED 10: SD: Other:	1	2	134	26
	Total Tra	Total Tradable Proposed Watts =		

Data filename: Z:\Shared\01_Projects\2022\22315_RKAA_Loop 202 and Recker (DR)\01_Construction Documents\ENERGY\22315_IECC.cck

Report date: 08/24/22 Page 1 of 6

Exterior Lighting PASSES: Design 62% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design epresented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

PATRICK CRONAN P.E.

Signature

Signature

Date

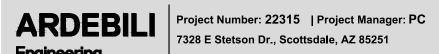
NOTICE OF ALTERNATE BILLING OR PAYMENT CYCLE THIS CONTRACT MAY ALLOW THE OWNER TO REQUIRING THE SUBMISSION OF BILLINGS OR ESTIMATES IS BILLINGS OR ESTIMATES IS BILLINGS OR CYCLES OTHER THAN THIRTY DAYS. THIS CONTRACT MAY ALLOW OWNER TO MAKE PAYMEN ON SOME ALTERNATIVE SCHEDULE AFTER

RETAIL 202 AND RECKER

drawn by: **FK** checked by: **PC**

design by: **JO**

E0.2 project: **21065** DATE: xx-xx-19



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