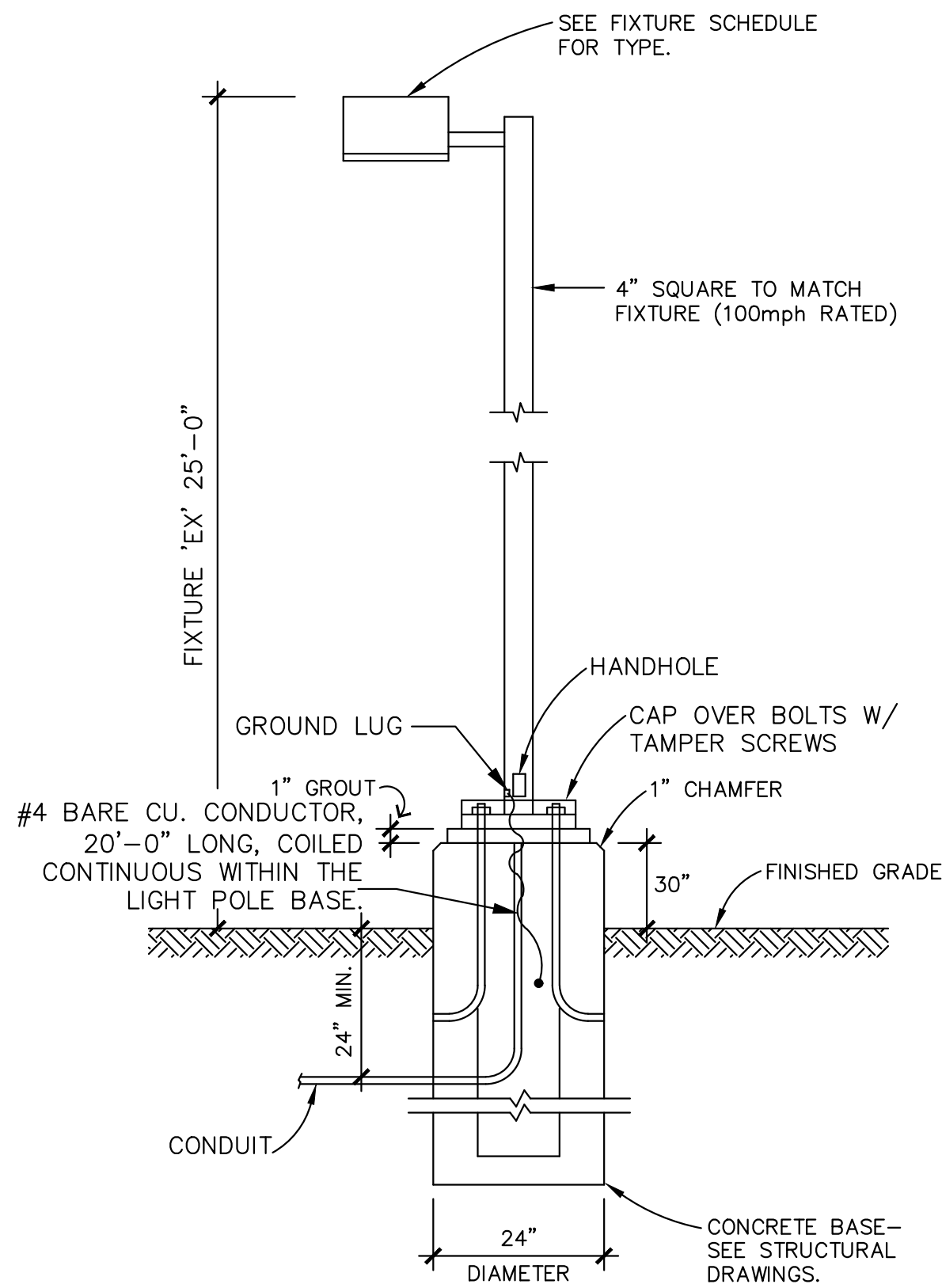
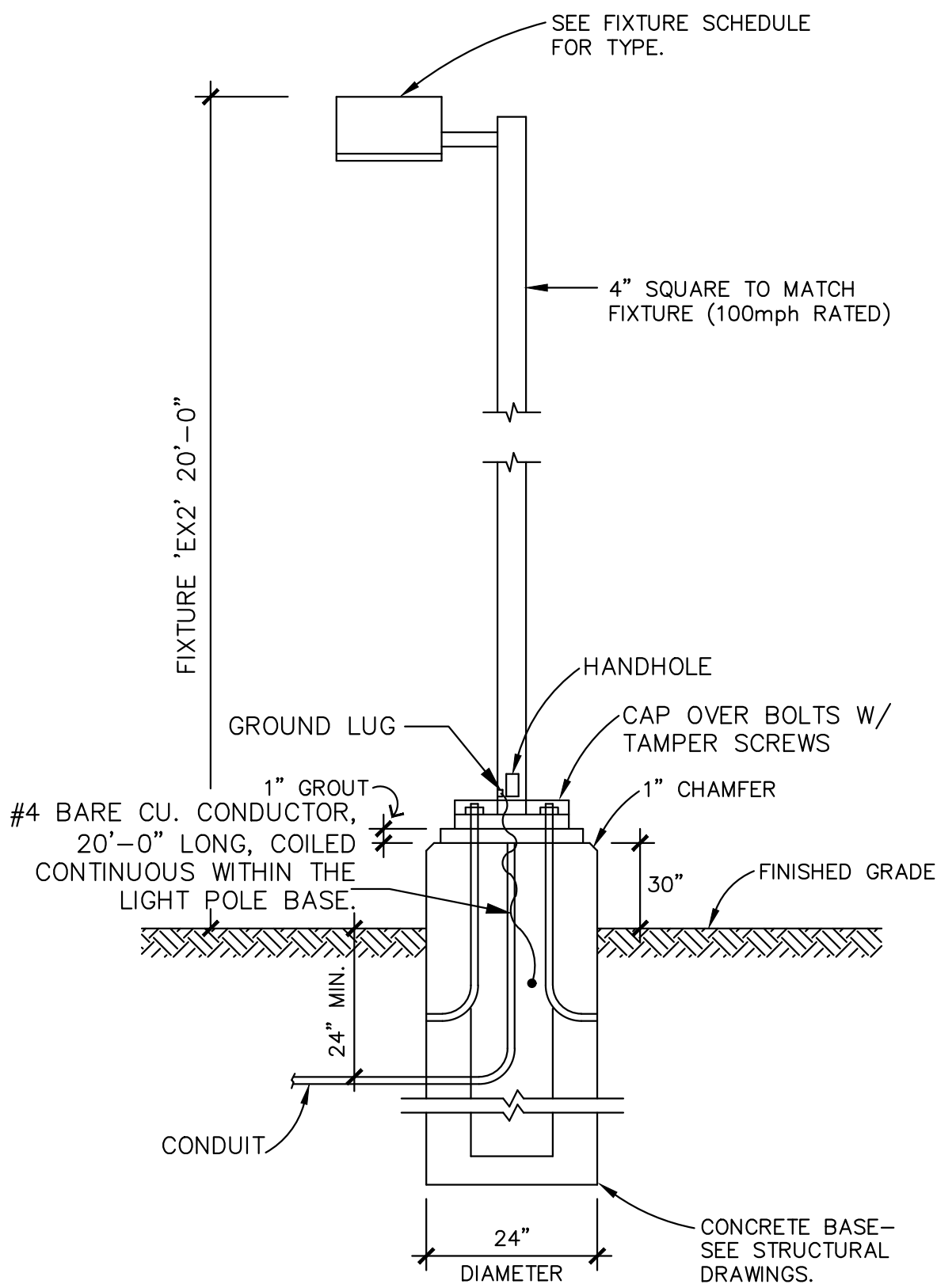
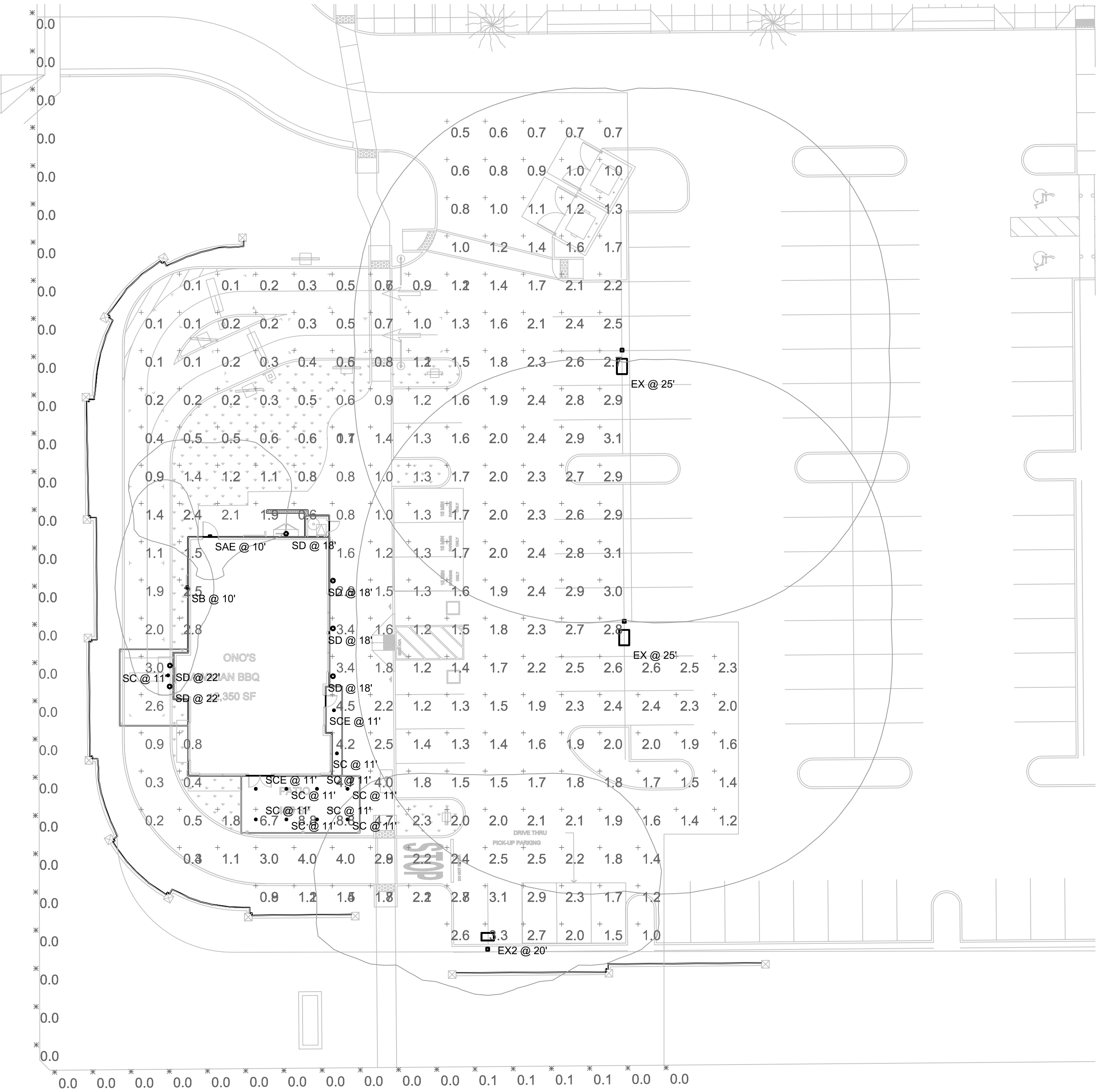




LIGHT POLE AND FIXTURE 'EX'

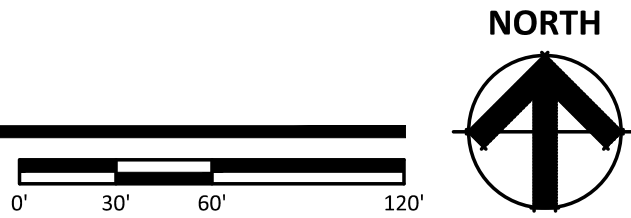


LIGHT POLE AND FIXTURE 'EX2'



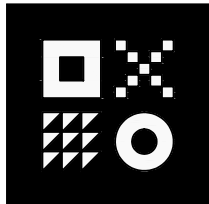
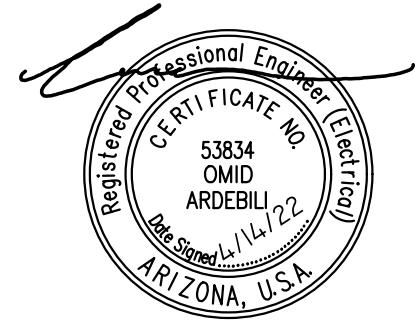
PHOTOMETRIC SITE PLAN

SCALE: 1" = 20'-0"



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROPERTY LINE - FC @ 3' AFG	✕	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
SITE - FC @ GRADE	+	1.7 fc	8.8 fc	0.1 fc	88.0:1	17.0:1

Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	EX	2	EXISTING	EXISTING AREA LUMINAIRE - TYPE 5 / MOUNTED @ 25'-0" AFG	Type R5 Distribution	LED	RSX3_LED_P1_40K_R5.ies	28009	0.91	194.71
	EX2	1	Lithonia Lighting	EXISTING AREA LUMINAIRE - TYPE 4 WITH HOUSESIDE SHIELD / MOUNTED @ 20'-0" AFG	TYPE 4 with houseside shield	LED	DSX0_LED_P4_40K_T4 M_MVOLT_HS.ies	8020	0.91	92
	SAE	1	Lithonia Lighting	WDGE2 LED P2 30K 80CRI TFTM MVOLT E20WC (FINISH)	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 80CRI, TYPE FORWARD THROW MEDIUM OPTIC W/EM BATTERY PACK	LED - 3000K	WDGE2_LED_P2_30K_80CRI_TFTM.ies	1934	0.91	18.9815
	SB	1	Lithonia Lighting	WDGE2 LED P2 30K 80CRI T2M MVOLT (FINISH)	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 80CRI, TYPE 2 MEDIUM OPTIC	LED - 3000K	WDGE2_LED_P2_30K_80CRI_T2M.ies	1963	0.91	18.9815
	SC	9	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
	SCE	2	DMF LIGHTING	DRDH N JO 10OSEM / 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
	SD	6	ANP Lighting	A812 M010LDD W 30K SRTCW E3 (FINISH) UNV	10.0" ANGLE SHADE	LED - 3000K	A810M010LDDW40K.IES	1204	0.91	13.23



ARDEBILI Engineering | Project Number: 22184 | Project Manager: JFO
7328 E Stetson Dr., Scottsdale, AZ 85251
P: 480.626.7072 | ardebilieng.com

MESA RANCH - ONO'S HAWAIIAN BBQ
1008 E SOUTHERN AVENUE
MESA, ARIZONA 85204
DATE: 03-21-2022 (PRELIMINARY)

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E0.1
SITE
PHOTOMETRIC
PLAN
RKAA# 22063.00





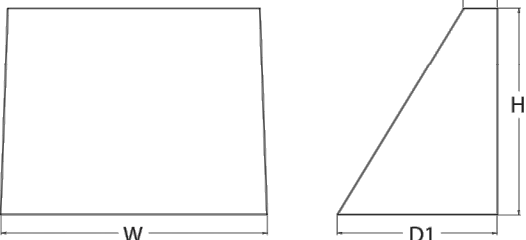
WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic



Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: 13.5 lbs
(without options)



Catalog Number _____

Notes _____

Type **SAE/SB**

Introduction

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 safe applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 3° C	Cold EM, -20° C	Sensor	P0	P1	P2	P3	P4	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

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0 ¹	27K 2700K	70CRI ²	T15 Type I Short	48VOLT 24V	Shipped Indirect SMA Surface-mounting bracket SMA 1/2" ICW SMA 1/2" ICW Indirect Gasket/Gelling Weather blanket (dry) damp locations only
	P1 ²	30K 3000K	80CRI	T24 Type II Medium	48V	
	P2 ²	40K 4000K	LM ³ Limited Wavelength	T24 Type III Medium	48V	
	P3 ²	50K 5000K		TFM Type IV Medium		
	P4 ²	AMB ⁴ Amber		TFM Forward Thru Medium		
						Shipped separately 2 1/2" Architectural wall spacer ANSI surface-mounted back box (not incl. direct conduit entry). Use when there is no junction box available.

Options	Finish
E10WH Emergency battery backup, Certified in CA Title 20 MAERBS (10W, 5" min)	DOBK Dark bronze
E2WC Emergency battery backup, Certified in CA Title 20 MAERBS (CRK, 20" min)	DBLK Black
PE¹ Photocell, Button Type	DNAK Natural aluminum
DMG² 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHD White
BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.	DSDB Sandstone
BAA Buy America(s) Act Compliant	DOBTKZ Textured dark bronze
	DBLKX Textured black
	DNAKX Textured natural aluminum
	DWHDX Textured white
	DSDBX Textured sandstone

DRD5S & SurfaceFrame

Surface Mount LED Downlight
New Construction
DRDHNJO Octagonal Junction Box



- 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 New Construction	Aperture 4" Octagonal Junction Box
Delivered Lumens 750 lm (9.0W), 1000 lm (12.0W)	Color Quality 90+ CRI, < 3-step SDCM
Color Temperature 2700K 3000K 3500K	Optics General
Input Voltage 120V only (TRIAC/ELV), 120/277V (0-10V)	Dimming TRIAC/ELV 5% 0-10V 1%
Shape Round, Square	Finish White
Housing Ratings Code compliant for use in appropriate fire-rated assemblies up to a maximum of 2-hours STC/IRC Sound Rated ASTM E283 Certified Air Tight IC (Insulation Contact) Rated	Module Ratings UL Closet Rating Compliant (750 lm only) UL Listed for Wet Location
Standards UL 864 ETL UL 159	Guarantee 50,000 hrs 5 years
	Additional Options Non-Conductive Dead Front

dmflighting.com



MESA RANCH - ONO'S HAWAIIAN BBQ

1008 E SOUTHERN AVENUE
MESA, ARIZONA 85204
DATE: 03-21-2022 (PRELIMINARY)

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E0.2
IECC REPORT &
LIGHTING CUT
SHEETS
RKAA# 22063.00

RKAA
ARCHITECTS, INC.

COMcheck Software Version 4.1.5.4 Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: 22184
Project Type: New Construction
Exterior Lighting Zone: 2 (Residential mixed use area (LZ2))

Construction Site: Southern & Stapley Mesa, AZ 85204
Owner/Agent:
Designer/Contractor: ARDEBILI ENGINEERING 7328 E STETSON DR. SCOTTSDALE, AZ 85251 480-626-7072

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Illuminated area of facade wall or surface	2020 f2	0.07	No	152
Parking area	14000 f2	0.04	Yes	560
		Total Tradable Watts (a) =		560
		Total Allowed Watts =		712
		Total Allowed Supplemental 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 Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Illuminated area of facade wall or surface (2020 f2): Non-tradable Wattage				
SAE: Other:	1	1	19	19
SB: Other:	1	1	19	19
SC: Other:	1	9	12	108
SD: Other:	1	2	12	24
SE: Other:	1	6	13	79
Parking area (14000 f2): Tradable Wattage				
EX: Other:	1	2	195	389
EX2: Other:	1	1	92	92
		Total Tradable Proposed Watts =		481

Exterior Lighting PASSES: Design 44% better than code

Exterior Lighting Compliance Statement

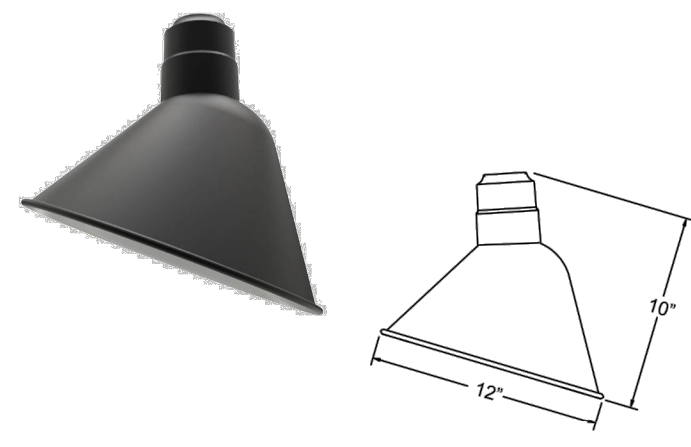
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.4 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: 22184
Data filename: Z:\Shared\01_Projects\2022\22184_RKAA_Ono Hawaiian - Southern & Stapley\01_Construction Documents\ENERGY\22184_IECC.cck
Report date: 04/11/22
Page 1 of 6

Project Title: 22184
Data filename: Z:\Shared\01_Projects\2022\22184_RKAA_Ono Hawaiian - Southern & Stapley\01_Construction Documents\ENERGY\22184_IECC.cck
Report date: 04/11/22
Page 2 of 6

ANP Lighting

Specifications A812



A812 LED

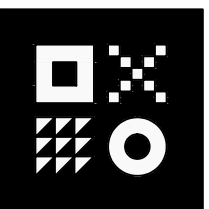
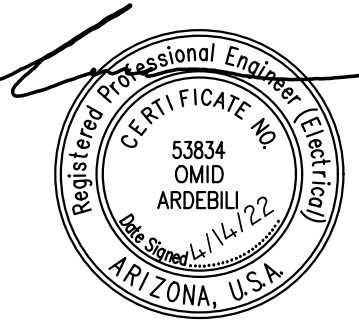
Weight: 1.0 lb
Bug: B1-U2-G1

Catalog Logo: A812 - M024LDD_W_40K - RTCW - E6 - 100GLCL - PC - 41 - UNV

Catalog Number	1	2	3	4	5	6	7	8	9
A812									
1 LIGHT SOURCE & WATTAGES									
M012LDN (12w, 750 lumen, Cree module) Integrated driver, 120V, TRIAC dimming & narrow distribution only.									
M009LDD (9w, 850 lumen, Cree module)									
M018LDD (10w, 1250 lumen, Cree module)									
M03ALDD (24w, 3000 lumen, Cree module)									
2 DISTRIBUTION									
W (15 Wide Distribution with Dome LED Lens) N* (15 Narrow Distribution with Flat LED Lens) *12w is narrow only, select "N".									
3 COLOR TEMPERATURE (CCT)									
27K (2700K)									
30K (3000K)									
35K (3500K)									
40K (4000K)									
4 DRIVER HOUSINGS*									
NA (Housing not required for 12w)									
Wall Mount Options Choose Arm in Box 5									
RTCW (Driver Housing for Wall only (E-arm); 6 1/2" OD x 5 5/8" H)									
SRTCW (Smooth Driver Housing for Wall only (E-arm); 6" OD x 2 7/8" H)									
RTCNW (Driver Housing/No Spun Cover for Wall only (E-arm); 5 7/8" OD x 2 5/8" H)									
Stem Mount Options Choose Stem Size in Box 5									
ST-RTCC (Driver Housing for Stem only; 6 1/2" OD x 5 5/8" H)									
ST-SRTCC (Smooth Driver Housing for Stem only; 6" OD x 2 7/8" H)									
ST-RTNCC (Driver Housing/No Spun Cover for Stem only; 5 7/8" OD x 2 5/8" H)									
Emergency Backup Housing Options Choose EBC Driver in Box 7									
ST-OCCEM (Emergency Ballast Housing for Stem only; 12" OD x 1 1/2" H) Choose Stem Size in Box 5.									
*Driver Housing finish will match fixture finish.									
5 MOUNTING SOURCES*									
Arm Mounts E3 E4 E6 E7 E8 E10 E11 E12 E15 E18 E25 E36									
Wall Mounts WM54 WM317									
Stem Mounts 1/2" (1 3/16" OD) Rigid Stems 3/4" (1" OD) Rigid Stems									
25T6 25T12 25T18 25T24 25T36 25T48 25T60 25T72 25T96									
*Arm mount, Wall mount or Stem finish will match fixture finish.									
6 GLASS & GUARD*									
Up to 24w MAX									
180GL CL (Clear Glass)									
180GLFR (Frosted Glass)									
180GLPR (Prismatic Glass)									
100GLCLGUP (Clear Glass & Small Wire Guard)									
100GLFRGUP (Frosted Glass & Small Wire Guard)									
100GLPRGUP (Prismatic Glass & Small Wire Guard)									
100GLCLGUPC (Clear Glass & Cast Guard)									
100GLFRGUPC (Frosted Glass & Cast Guard)									
100GLPRGUPC (Prismatic Glass & Cast Guard)									
100GLGUP (Small Wire Guard with No Glass)									
100GLGUPC (Cast Guard with No Glass)									
*Cast and Wire Guard finish will match fixture finish.									
7 ACCESSORIES*									
*EMG-LED06 (6w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED) MUST CHOOSE OCCEM CANOPY IN BOX 4.									
*EMG-LED10 (10w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED) MUST CHOOSE OCCEM CANOPY IN BOX 4.									
*EMG-LED16 (16w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED) MUST CHOOSE OCCEM CANOPY IN BOX 4.									
*EMG-LED20 (20w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED) MUST CHOOSE OCCEM CANOPY IN BOX 4.									
GR12 (12" Wire Grid)									
PC (Button Photo Cell) Remote Only									
SC (Scroll for Arms)**									
SLC (Sloped Ceiling Mount Canopy, 20" Max)**									
SQ (Square Back Plate)**									
SWL (Adjustable Locking Sleeve)**									
TBK (Turn Buckle Kit)**									
*For Emergency lumens output data, see Resources section at www.anplighting.com									
**Accessory finish will match fixture finish.									

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1-800-548-3227
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