



# DEVELOPMENT APPLICATION

City of Rockwall  
Planning and Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087

STAFF USE ONLY  
PLANNING AND ZONING CASE NO.

**NOTE:** THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING:

CITY ENGINEER:

Please check the appropriate box below to indicate the type of development request [SELECT ONLY ONE BOX]:

### Platting Application Fees:

- Master Plat (\$100.00 + \$15.00 Acre)<sup>1</sup>
- Preliminary Plat (\$200.00 + \$15.00 Acre)<sup>1</sup>
- Final Plat (\$300.00 + \$20.00 Acre)<sup>1</sup>
- Replat (\$300.00 + \$20.00 Acre)<sup>1</sup>
- Amending or Minor Plat (\$150.00)
- Plat Reinstatement Request (\$100.00)

### Site Plan Application Fees:

- Site Plan (\$250.00 + \$20.00 Acre)<sup>1</sup>
- Amended Site Plan/Elevations/Landscaping Plan (\$100.00)

### Zoning Application Fees:

- Zoning Change (\$200.00 + \$15.00 Acre)<sup>1</sup>
- Specific Use Permit (\$200.00 + \$15.00 Acre)<sup>1</sup>
- PD Development Plans (\$200.00 + \$15.00 Acre)<sup>1</sup>

### Other Application Fees:

- Tree Removal (\$75.00)
- Variance Request (\$100.00)

### Notes:

<sup>1</sup>: In determining the fee, please use the exact acreage when multiplying by the per acre amount. For requests on less than one acre, round up to one (1) acre.

## PROPERTY INFORMATION [PLEASE PRINT]

Address: LOT 1 BLOCK A

Subdivision: ELVIS CENTER ADDITION Lot 6 Block A

General Location: West side of Alpha Rd across from Beta Ct.

## ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

Current Zoning	<u>L1</u>	Current Use	<u>Vacant</u>
Proposed Zoning	<u>L1</u>	Proposed Use	<u>Medical office</u>
Acreage	<u>0.70</u>	Lots [Current]	<u>1</u>
		Lots [Proposed]	<u>1</u>

**SITE PLANS AND PLATS:** By checking this box you acknowledge that due to the passage of HB3167 the City no longer has flexibility with regard to its approval process, and failure to address any of staff's comments by the date provided on the Development Calendar will result in the denial of your case.

## OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

<input type="checkbox"/> Owner	<u>Vats Akhil and Deepti</u>	<input checked="" type="checkbox"/> Applicant	<u>Mershawn Architects</u>
Contact Person	<u>Adot Estate LLC</u>	Contact Person	<u>Greg Wallis</u>
Address	<u>482 Arcadia Way</u>	Address	<u>1520 E I-30</u>
City, State & Zip	<u>Rockwall, TX 75087</u>	City, State & Zip	<u>Rockwall, TX 75087</u>
Phone		Phone	<u>817-235-9253</u>
E-Mail	<u>akhilvats@gmail.com</u>	E-Mail	<u>mershawncrch@gmail.com</u>

## NOTARY VERIFICATION [REQUIRED]

Before me, the undersigned authority, on this day personally appeared Ankit Parmar [Owner] the undersigned, who stated the information on this application to be true and certified the following:

"I hereby certify that I am the owner for the purpose of this application; all information submitted herein is true and correct; and the application fee of \$ 270.00, to cover the cost of this application, has been paid to the City of Rockwall on this the 19 day of JUNE, 2020. By signing this application, I agree that the City of Rockwall (i.e. "City") is authorized and permitted to provide information contained within this application to the public. The City is also authorized and permitted to reproduce any copyrighted information submitted in conjunction with this application, if such reproduction is associated or in response to a request for public information."

Given under my hand and seal of office on this the 19th day of June, 2020.

Owner's Signature

Notary Public in and for the State of Texas

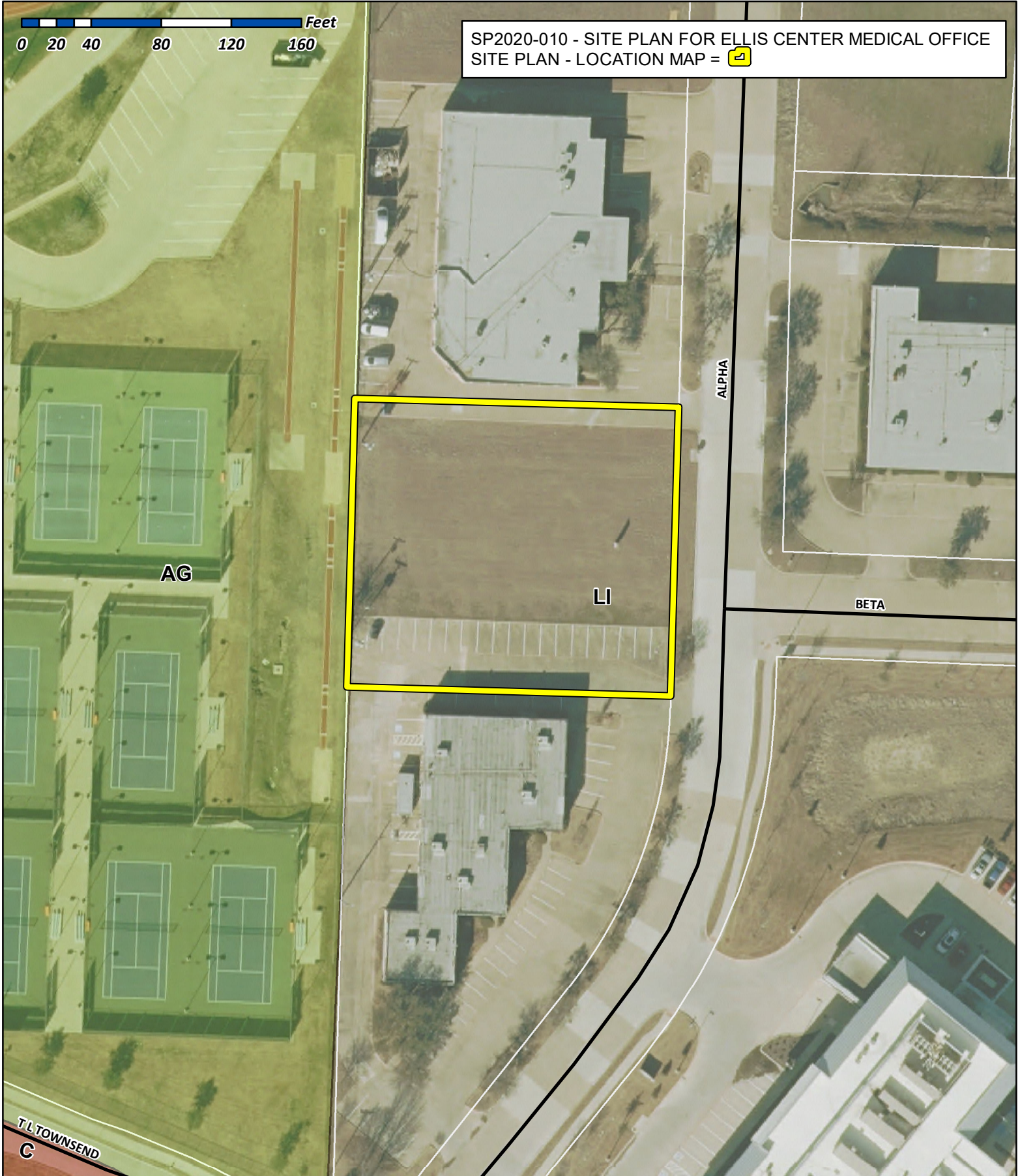


My Commission Expires

3-3-23

0 20 40 80 120 160 Feet

SP2020-010 - SITE PLAN FOR ELLIS CENTER MEDICAL OFFICE  
SITE PLAN - LOCATION MAP = 



## City of Rockwall

Planning & Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75032  
(P): (972) 771-7745  
(W): [www.rockwall.com](http://www.rockwall.com)

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.

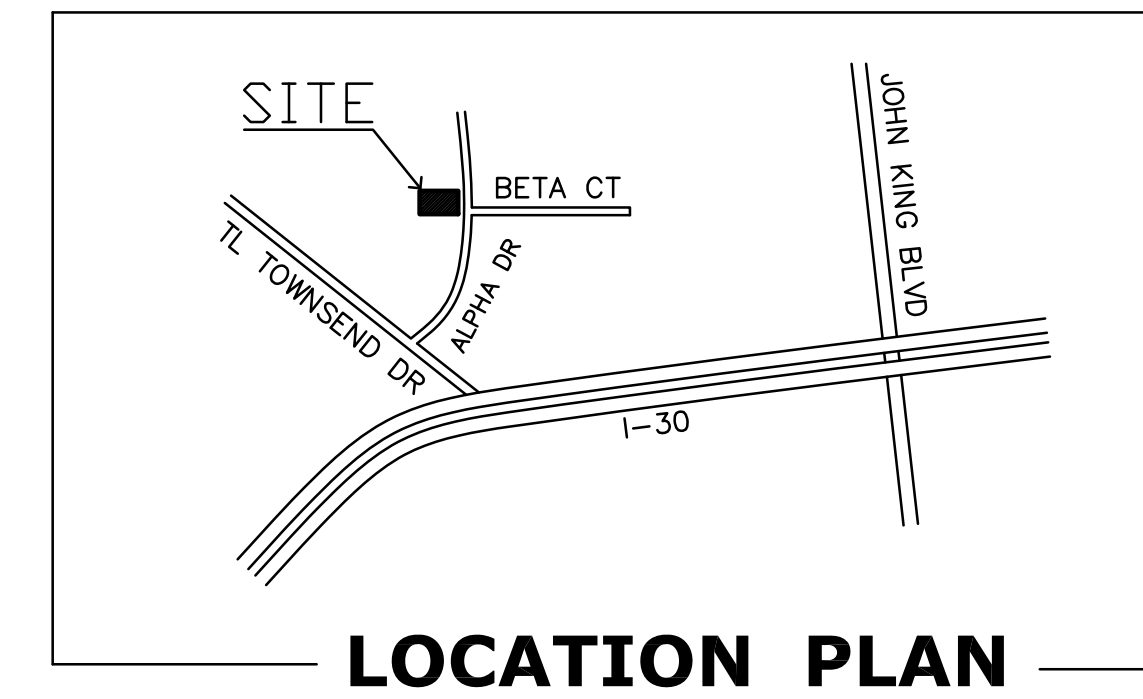


CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.

ABSTRACT NO. 9 - WILLIAM BLEVINS SURVEY

1. ZONING: L I
2. PROPOSED USE: MEDICAL OFFICE
3. PROPERTY AREA (GROSS): 30,531 SF 0.70 AC
4. BUILDING AREA: 7,200 SF
5. BUILDING HEIGHT: ONE STORY - 28'-3"
6. LOT COVERAGE: 23.6% F.A.R. = 0.236:1
7. PARKING REQUIRED: 1 SPACE/200 = 36 SPACES REQUIRED
8. HANDICAP REQUIRED 2 ACCESSIBLE IN 25-50 SPACES 2 PROVIDED
9. TOTAL PARKING PROVIDED: 36 SPACES
10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 24,558 SF
11. 15% LANDSCAPE REQUIRED = 4,580 SF PROVIDED 5,973 SF

NOTE: ALL DIMENSIONS ARE TO FACE OF CURB  
ALL SIDEWALKS SHALL BE 3,000 PSI CONC  
MIN 5.5 SACK MIX.  
ALL RADII ARE 4'-6" U.N.O.  
ANY DISCREPANCIES BETWEEN THE PLAN &  
THE CIVIL ENGINEER'S PLANS SHALL DEFER  
TO THE CIVIL ENGINEERING.



SITE PLAN SIGNATURE BLOCK

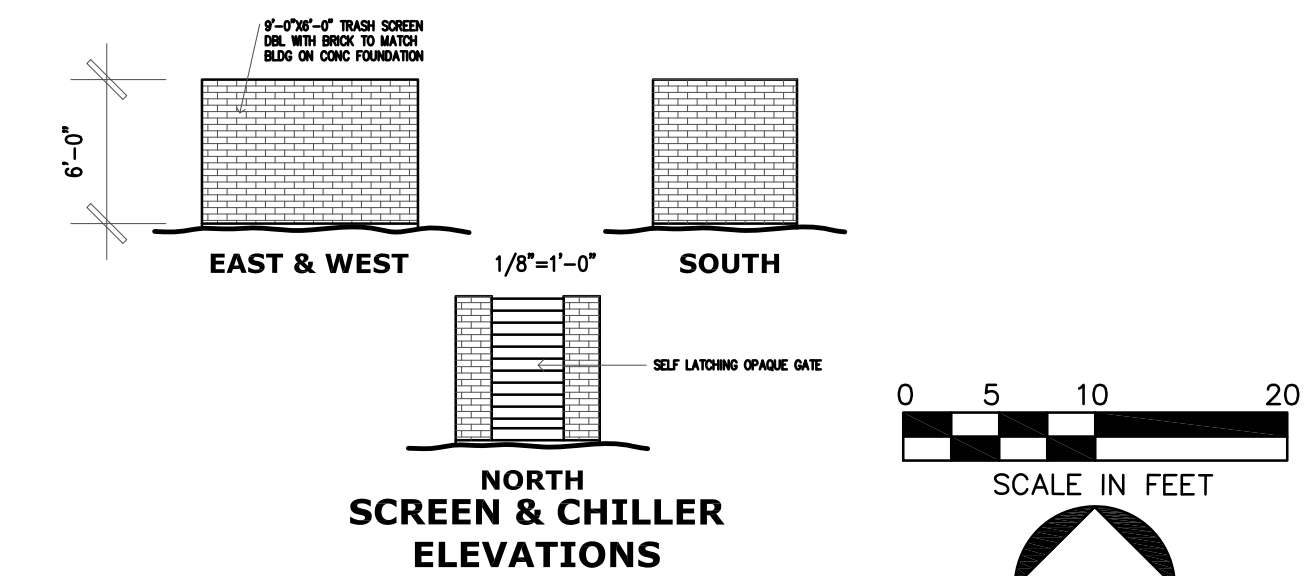
APPROVED:  
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the planning and zoning commission of the City of Rockwall on the 11th day of February, 2020.

WITNESS OUR HANDS, this \_\_\_\_\_ day of \_\_\_\_\_

\_\_\_\_\_  
Planning & Zoning Commission, Chairman

\_\_\_\_\_  
Director of Planning and Zoning

NOTE: DUMPSTER PAVING AND FIRE LANE PAVING TO BE 3600 PSI CONCRETE 6.5 SACK MIX



PRICING & CONSTRUCTION GENERAL NOTES:

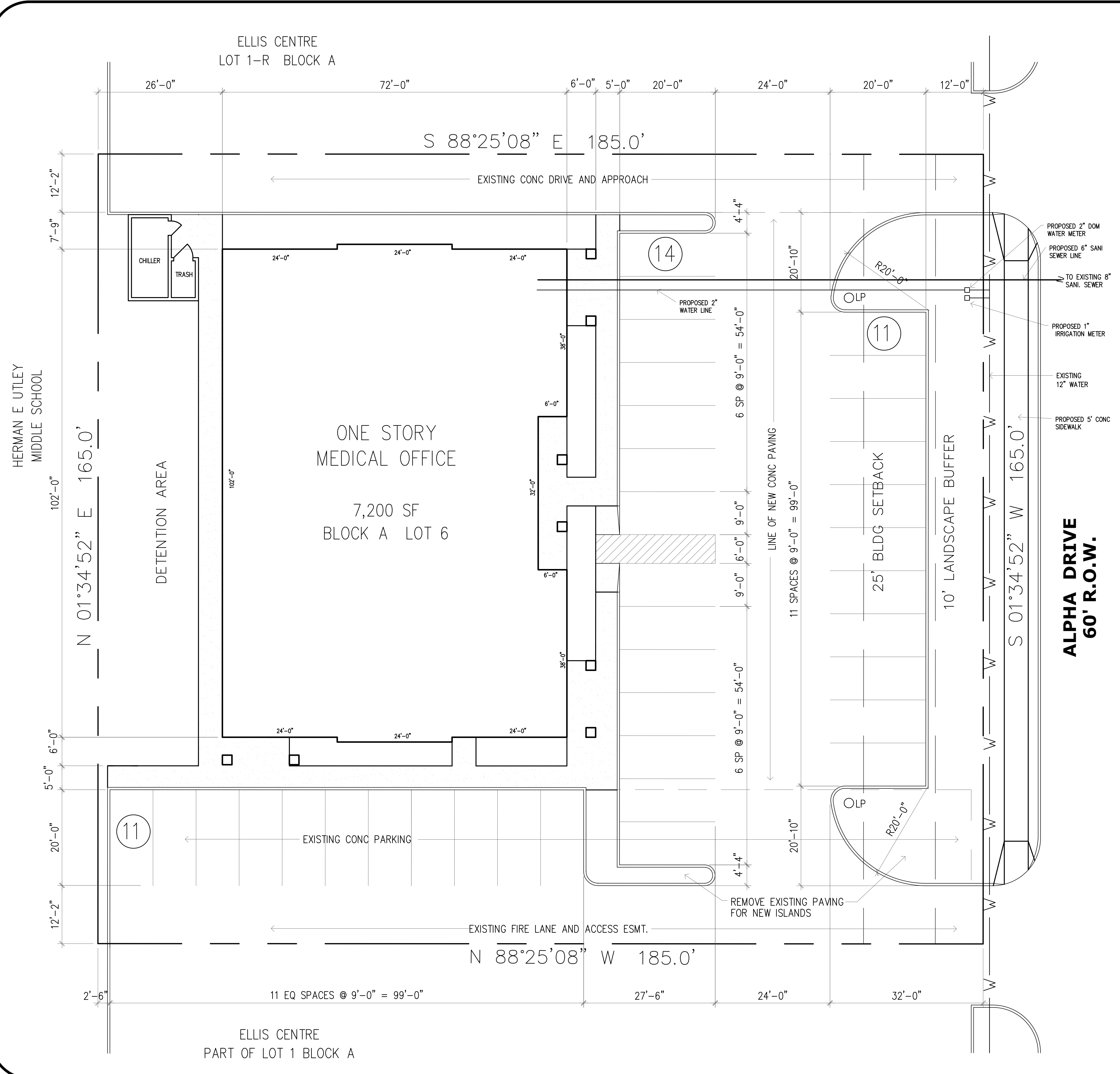
1. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO INDICATE EACH AND EVERY FITTING, OFFSET, OR OTHER APPURTENANCE NECESSARY TO COMPLETE THE SYSTEM.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DOCUMENTS AND INCLUDE ALL NECESSARY ITEMS TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
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ELLIS CENTRE INDUSTRIAL PARK  
BEING A 0.70 AC. TRACT OF LAND SITUATED IN THE ELLIS CENTRE #2 INDUSTRIAL PARK LOT 6 BLOCK A IN THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

OWNER  
ADAT ESTATE LLC  
502 BRIDGEMAN WAY  
ROCKWALL, TEXAS 75087

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CASE #SP2020-000



HERMAN E UTLEY MIDDLE SCHOOL

ALPHA DRIVE 60' R.O.W.

RESIDENTIAL RESTAURANTS INSTITUTIONAL ARCHITECTS  
MEDICAL COMMERCIAL CHURCHES  
MERSHAWN ARCHITECTS  
1520 E INTERSTATE 30  
ROCKWALL, TEXAS 75087  
PHONE: 469-745-1701

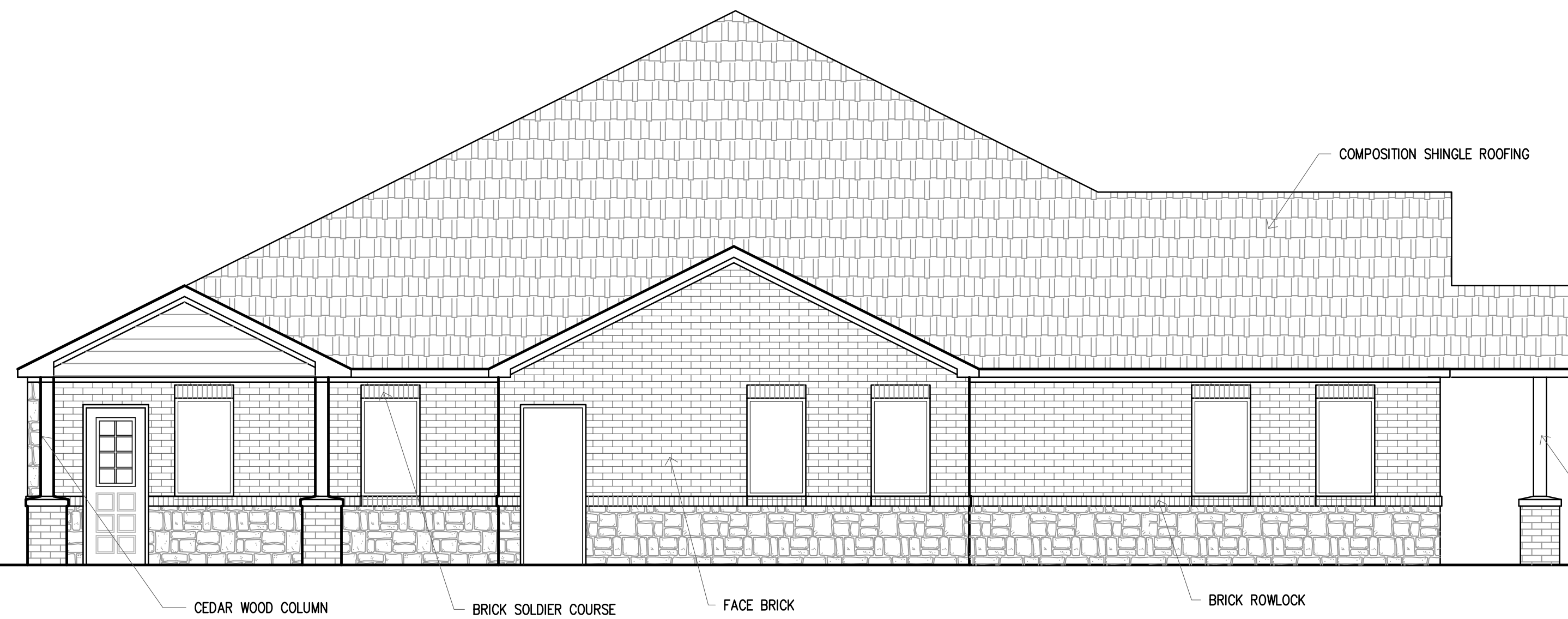
No.	Date	Revision	By

ELLIS CENTRE MEDICAL OFFICE  
ROCKWALL, TEXAS  
SITE PLAN

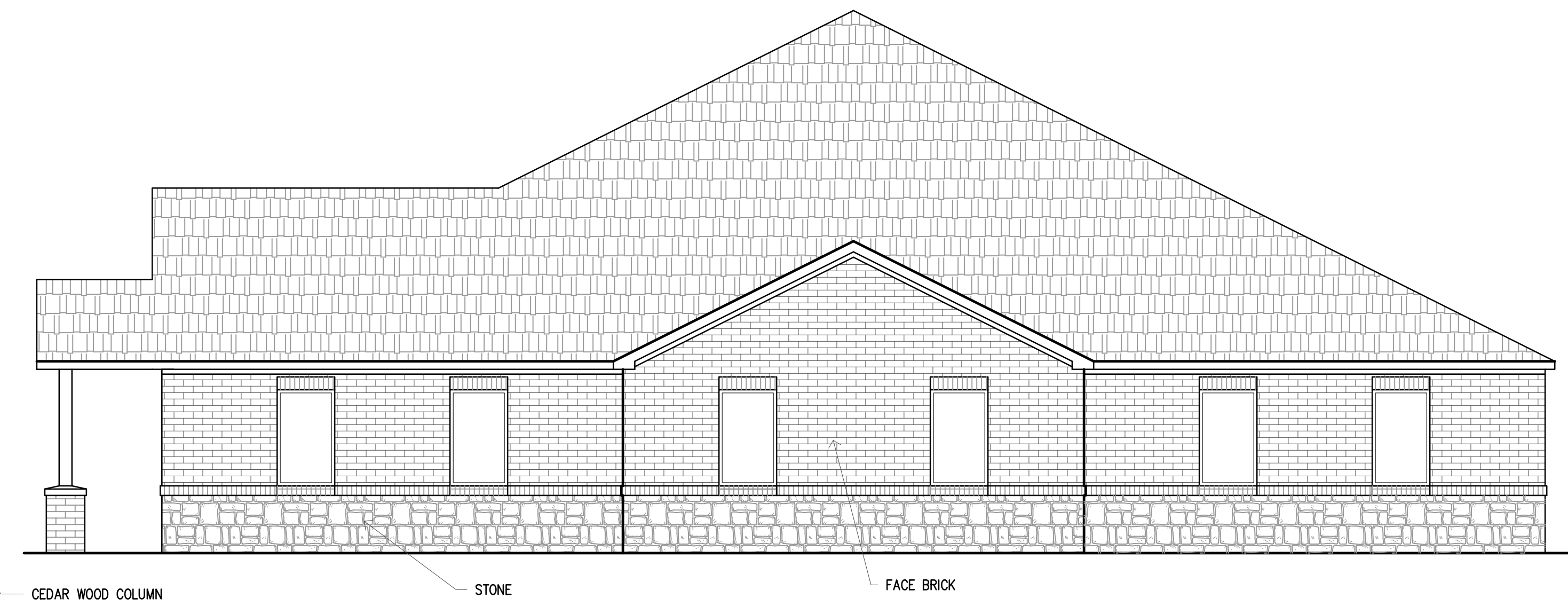
Scale: 1" = 10'-0"  
Date: MM/DD/YY  
Project No.: 200404  
Designed: GW  
Drawn: GW  
Checked: WM  
SHEET A1 OF



**EAST ELEVATION**



**SOUTH ELEVATION**



**NORTH ELEVATION**



**WEST ELEVATION**

SITE PLAN SIGNATURE BLOCK

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WITNESS OUR HANDS, this \_\_\_\_\_ day of \_\_\_\_\_

\_\_\_\_\_  
 Planning & Zoning Commission, Chairman

\_\_\_\_\_  
 Director of Planning and Zoning

**PRICING & CONSTRUCTION**  
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RESIDENTIAL RESTAURANTS  
 INSTITUTIONAL  
**ARCHITECTS**

MEDICAL COMMERCIAL  
 CHURCHES  
**MERSHAWN**

2313 RIDGE ROAD #103  
 ROCKWALL, TEXAS 75087

PHONE: 972-722-9302  
 FAX: 972-249-2051

No.	Date	Revision	By

ELLIS CENTER MEDICAL OFFICE  
 ROCKWALL, TEXAS

**EXTERIOR ELEVATIONS**

Scale: 3/16" = 1'-0"

Date: MM/DD/YY

Project No.: YTM#

Designed: GW

Drawn: GW

Checked: WM











CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.

		REQUIRED	PROVIDED
1.	STREET TREES 1 CANOPY PER 50' LINEAR OF R.O.W.	3	3
2.	LANDSCAPE BUFFER	10'	10'
3.	SCREENING OF OFF STREET PARKING	NO	NO
4.	TOTAL LANDSCAPE AREA 15% REQUIRED	4,580 SF	5,973 SF
5.	4 TREES REQUIRED AT REAR OF PROPERTY	4	4

ABSTRACT NO. 9 - WILLIAM BLEVINS SURVEY

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- PARKING REQUIRED: 1 SPACE/200 = 36 SPACES REQUIRED
- HANDICAP REQUIRED 2 ACCESSIBLE IN 25-50 SPACES 2 PROVIDED
- TOTAL PARKING PROVIDED: 36 SPACES
- TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 24,558 SF
- 15% LANDSCAPE REQUIRED = 4,580 SF PROVIDED 5,973 SF

THERE IS NO MITIGATION FOR THIS PROPERTY

- LIVE OAKS (6)  
INSTALLED WITH A MIN. 4" CALIPER
- RED BUD (8)  
MIN 4' TALL
- INDIAN HAWTHORNE (74)  
PLANTS SHALL BE A MINIMUM OF 5-GALLONS & SHALL CREATE A MINIMUM 30" TALL SCREEN WITHIN TWO YEARS OF PLANTING. SHALL BE PLANTED @ 36" O.C.
- BOXWOOD BUSH (66)  
PLANTS SHALL BE A MINIMUM OF 5-GALLONS & SHALL CREATE A MINIMUM 2' TALL SCREEN WITHIN TWO YEARS OF PLANTING. SHALL BE PLANTED @ 36" O.C.

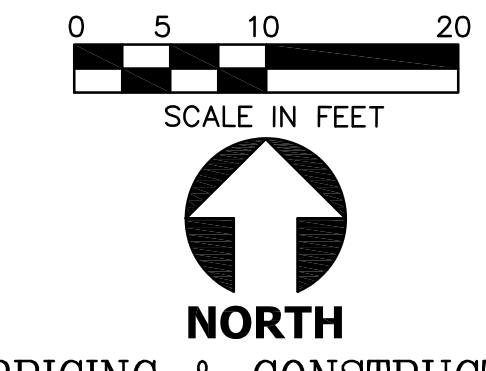
NO PARKING SPACE SHALL BE MORE THAN 80' FROM A CANOPY TREE  
ALL AREAS NOT SHOWN AS SPECIFIC PLANT MATERIAL SHALL BE SODDED, BERMUUDA.

IN ORDER TO MEET BUDGET TREES SPECIFIED MAY NOT BE USED OTHER TREES FROM THE APPROVED CITY OF ROCKWALL PLANT LIST MAY BE SUITABLE FOR SUBSTITUTION.

REQUIRED LANDSCAPE AREAS SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. SYSTEM SHALL HAVE FREEZE GUARD AND RAINSTAT.

CONTRACTOR SHALL SUPPLY SLEEVES AS NEEDED FOR IRRIGATION.

TREES AND PLANTS SHALL BE PLANTED NO CLOSER THAN WITHIN 4' OF CURB AT PARKING SPACES AND NO CLOSER THAN 5' FROM ANY WATER, SEWER, OR STORM SEWER LINES.  
ALL R.O.W. SHALL BE SODDED



PRICING & CONSTRUCTION  
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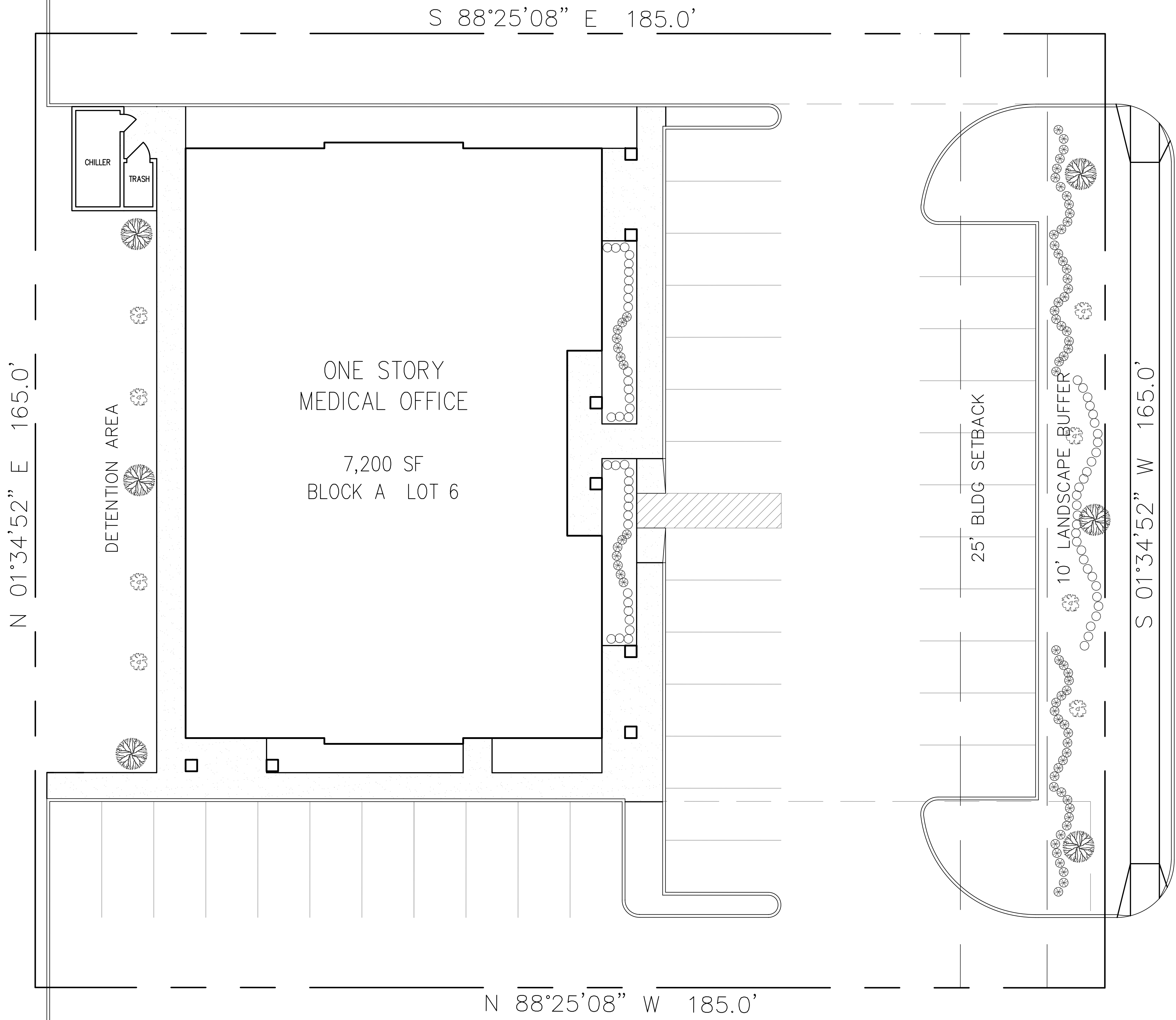
ELLIS CENTRE INDUSTRIAL PARK  
BEING A 0.70 AC. TRACT OF LAND SITUATED IN THE ELLIS CENTRE #2 INDUSTRIAL PARK LOT 6 BLOCK A IN THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

OWNER  
ADAT ESTATE LLC  
452 BRIDLE WAY  
ROCKWALL, TEXAS 75087

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CASE #SP2020-000

HERMAN E UTLEY  
MIDDLE SCHOOL



SITE PLAN SIGNATURE BLOCK

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\_\_\_\_\_  
Planning & Zoning Commission, Chairman      Director of Planning and Zoning

RESIDENTIAL RESTAURANTS  
INSTITUTIONAL  
ARCHITECTS

MEDICAL COMMERCIAL  
CHURCHES

MERSHAWN ARCHITECTS

1520 E INTERSTATE 30  
ROCKWALL, TEXAS 75087

PHONE: 469-745-1701

No.	Date	Revision	By

ELLIS CENTER MEDICAL OFFICE  
ROCKWALL, TEXAS

LANDSCAPE PLAN

Scale: 1" = 10'-0"

Date: MM/DD/YY

Project No.: 200404

Designed: GW

Drawn: GW

Checked: MM

SHEET  
11 OF  
1

Luminaire Schedule								
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Ballast Factor	Light Lost Factor	User Defined Factor
LP	LP	2	LITHONIA_DSX1 LED P5 40K TFTM VOLTAGE MOUNTING HS FINISH	12359	138	1.000	0.808	1.000
WP	WP	5	LITHONI_WDGE1 LED P2 40K 80CRI VF VOLTAGE MOUNTING FINISH	1979	15.0178	1.000	0.808	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
GRADE_Planar	0	Fc	0.29	4.1	0.0	N.A.
PARKING LOT & DRIVEWAY		Fc	1.45	3.7	0.0	N.A.

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HERMAN E UTLEY  
MIDDLE SCHOOL

N 01°34'52" E 165.0'

DETENTION AREA

ONE STORY  
MEDICAL OFFICE  
7,200 SF  
BLOCK A LOT 6

25' BLDG SETBACK

10' LANDSCAPE BUFFER

S 01°34'52" W 165.0'

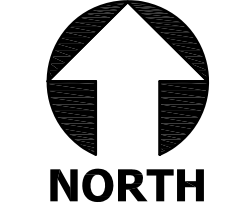
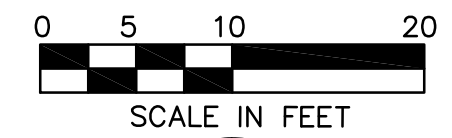
ALPHA DRIVE  
60' R.O.W.

SITE PLAN SIGNATURE BLOCK

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\_\_\_\_\_  
Planning & Zoning Commission, Chairman      Director of Planning and Zoning



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INDUSTRIAL PARK  
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LOT 6 BLOCK A IN THE CITY OF ROCKWALL,  
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CASE #SP2020-000

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RESIDENTIAL RESTAURANTS  
INSTITUTIONAL  
ARCHITECTS

MEDICAL COMMERCIAL  
CHURCHES  
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1520 E INTERSTATE 30  
ROCKWALL, TEXAS 75087  
PHONE: 469-745-1701

No.	Date	Revision	By

ELLIS CENTER MEDICAL OFFICE  
ROCKWALL, TEXAS

PHOTOMETRIC PLAN

Scale:	1" = 10'-0"
Date:	MM/DD/YY
Project No.:	200404
Designed:	GW
Drawn:	GW
Checked:	MM
SHEET	OF
<b>AP1</b>	<b>1</b>



# WEDGE1 LED

## Architectural Wall Sconce



Catalog Number

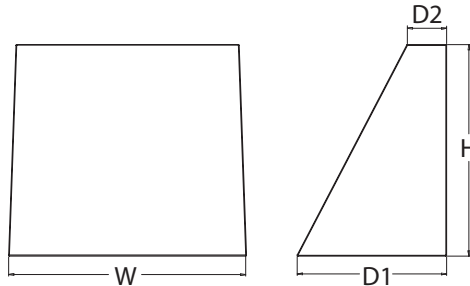
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

**Depth (D1):** 5.5"  
**Depth (D2):** 1.5"  
**Height:** 8"  
**Width:** 9"  
**Weight:** 9 lbs  
 (without options)



### Introduction

The WEDGE 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 true site-wide solution.

WEDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WEDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

### WEDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WEDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WEDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WEDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE: WEDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE1 LED	P1 P2	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K <sup>1</sup> 5000K	80CRI 90CRI	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 347 <sup>2</sup>	<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>5</sup> <b>Shipped separately</b> AWS 3/8inch Architectural wall spacer BBW Surface-mounted back box PBBW Premium surface-mounted back box (top, left, right conduit entry)

Options	Finish
E4WH <sup>3</sup> Emergency battery backup, CEC compliant (4W, 0°C min)	DDBXD Dark bronze
PE <sup>4</sup> Photocell, Button Type	DBLXD Black
DS Dual switching ( comes with 2 drivers and 2 light engines; see page 3 for details)	DNAXD Natural aluminum
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD White
BCE Bottom conduit entry for premium back box (PBBW). Total of 4 entry points.	DSSXD Sandstone
	DDBTXD Textured dark bronze
	DBLTXD Textured black
	DNATXD Textured natural aluminum
	DWHGXD Textured white
	DSSTXD Textured sandstone

### Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U	WEDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE1PBBW DDBXD U	WEDGE1 Premium surface-mounted back box (specify finish)
WSBBW DDBXD U	Surface - mounted back box (specify finish)

### NOTES

- 50K not available in 90CRI.
- 347V not available with E4WH, DS or PE.
- E4WH not available with PE or DS.
- PE not available with DS.
- Not qualified for DLC. Not available with E4WH.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
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WEDGE1 LED  
 Rev. 04/15/20

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

### Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

### Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

### Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.03
10°C / 50°F	1.02
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.98

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

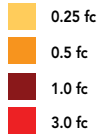
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91

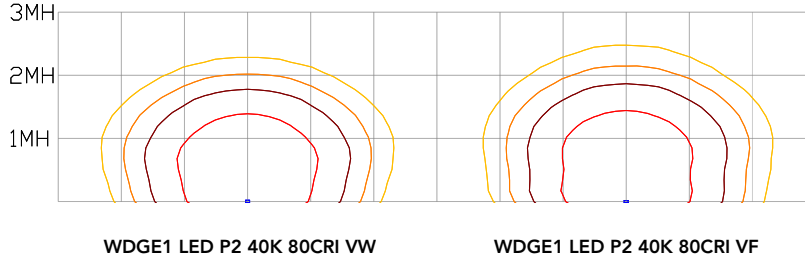
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

### LEGEND



MH = 8ft  
Grid = 8ft x 8ft



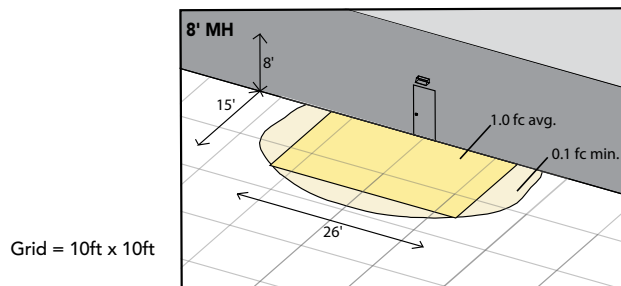
## Emergency Egress Options

### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E4WH and VF distribution.

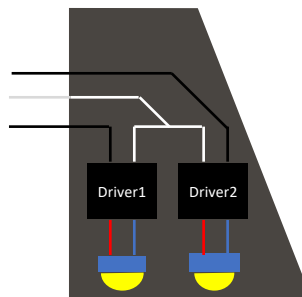


WDGE1 LED xx 40K 80CRI VF MVOLT E4WH

### Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





**E4WH – 4W Emergency Battery Backup**

D = 5.5"

H = 8"

W = 9"

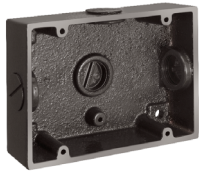


**PBBW – Premium Back Box**

D = 1.75"

H = 8"

W = 9"



**BBW – Standard Back Box**

D = 1.5"

H = 4"

W = 5.5"



**AWS – 3/8inch Architectural Wall Spacer**

D = 0.38"

H = 4.4"

W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

### CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



# D-Series Size 1 LED Area Luminaire

d#series

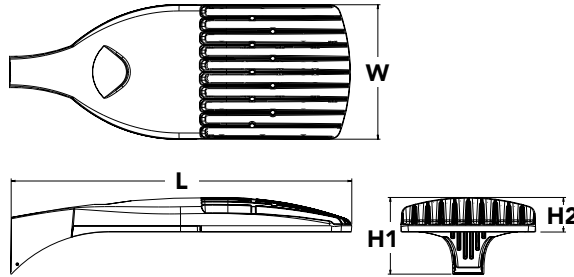


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height H1:</b>	7-1/2" (19.0 cm)
<b>Height H2:</b>	3-1/2"
<b>Weight (max):</b>	27 lbs (12.2 kg)



## 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 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

## Ordering Information

**EXAMPLE:** DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED		Color temperature		Distribution		Voltage	Mounting		
Series	LEDs	Color temperature		Distribution		Voltage	Mounting		
DSX1 LED	<b>Forward optics</b>	30K	3000 K	T1S	Type I short (Automotive)	T5VS	Type V very short <sup>2</sup>	MVOLT <sup>4</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket <sup>2</sup> SPUMBA Square pole universal mounting adaptor <sup>6</sup> RPUMBA Round pole universal mounting adaptor <sup>6</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>7</sup>
	P1 P4 P7	40K	4000 K	T2S	Type II short	T5S	Type V short <sup>2</sup>	120 <sup>5</sup>	
	P2 P5 P8	50K	5000 K	T2M	Type II medium	T5M	Type V medium <sup>2</sup>	208 <sup>5</sup>	
	P3 P6 P9			T3S	Type III short	T5W	Type V wide <sup>2</sup>	240 <sup>5</sup>	
	<b>Rotated optics</b>			T3M	Type III medium	BLC	Backlight control <sup>3</sup>	277 <sup>5</sup>	
	P10 <sup>1</sup> P12 <sup>1</sup>			T4M	Type IV medium	LCCO	Left corner cutoff <sup>3</sup>	347 <sup>5</sup>	
	P11 <sup>1</sup> P13 <sup>1</sup>			TFTM	Forward throw medium	RCCO	Right corner cutoff <sup>3</sup>	480 <sup>5</sup>	

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>8</sup> PIRHN Network, high/low motion/ambient sensor <sup>9</sup> PER NEMA twist-lock receptacle only (controls ordered separate) <sup>10</sup> PER5 Five-pin receptacle only (controls ordered separate) <sup>10,11</sup> PER7 Seven-pin receptacle only (controls ordered separate) <sup>10,11</sup> DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>13</sup> DS Dual switching <sup>13,14,15</sup>	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>16,17</sup> PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>16,17</sup> PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>16,17</sup> PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>16,17</sup> FAO Field adjustable output <sup>15</sup>	<b>Shipped installed</b> HS House-side shield <sup>18</sup> SF Single fuse (120, 277, 347V) <sup>5</sup> DF Double fuse (208, 240, 480V) <sup>5</sup> L90 Left rotated optics <sup>1</sup> R90 Right rotated optics <sup>1</sup> <b>Shipped separately</b> BS Bird spikes <sup>19</sup> EGS External glare shield
		DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>20</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>20</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>20</sup>
DSHORT SBK U	Shorting cap <sup>20</sup>
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 <sup>18</sup>
DSX1HS 40C U	House-side shield for P6 and P7 <sup>18</sup>
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 <sup>18</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) <sup>21</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>7</sup>
DSX1EGS (FINISH) U	External glare shield

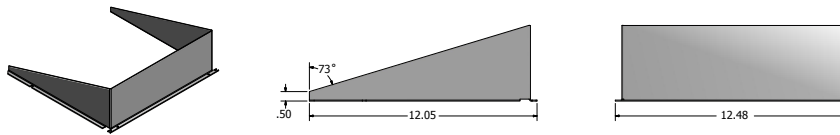
For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on Light Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls options table on page 4 to see functionality.
- Not available with other dimming controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

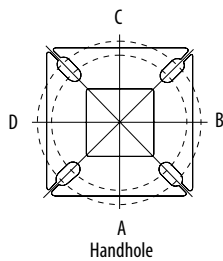
## Options

### EGS - External Glare Shield



## Drilling

### HANDHOLE ORIENTATION



### Tenon Mounting Slipfitter\*\*

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320		
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	SPUMBA	AST25-190	AST25-280		AST25-320		
	RUPUMBA	AST25-190	AST25-280		AST25-320		
4"	SPA/RPA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	SPUMBA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	RUPUMBA	AST35-190	AST35-280		AST35-320		

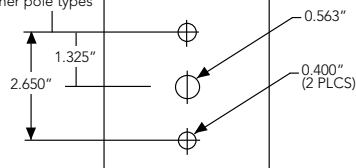
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RUPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

### Template #8

### Top of Pole

1.75" for aluminum poles  
2.75" for other pole types





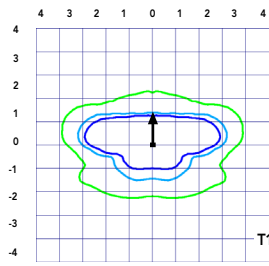
# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

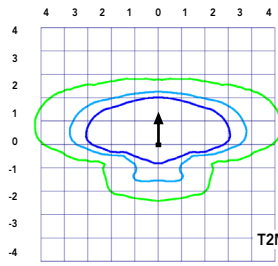
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

### LEGEND

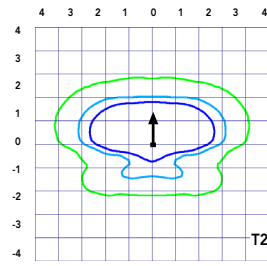
- 0.1 fc
- 0.5 fc
- 1.0 fc



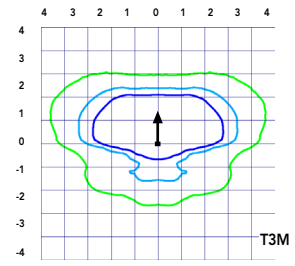
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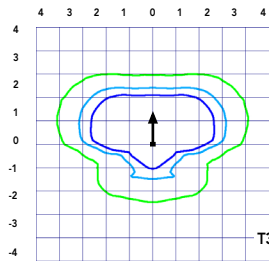
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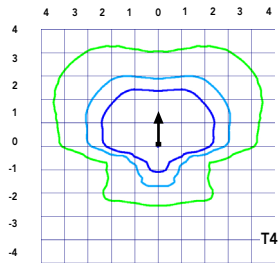
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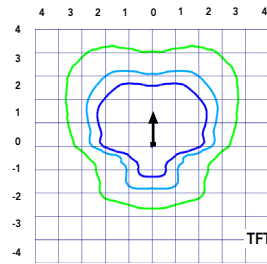
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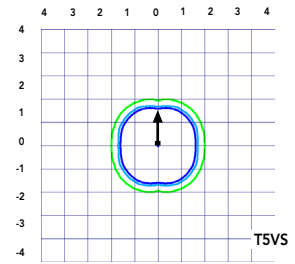
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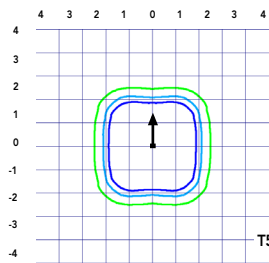
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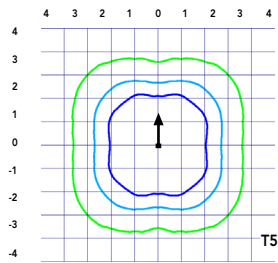
Test No. LT.L23222 tested in accordance with IESNA LM-79-08.



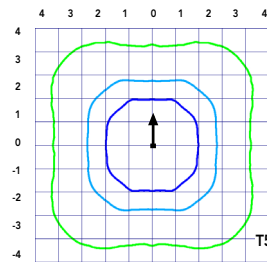
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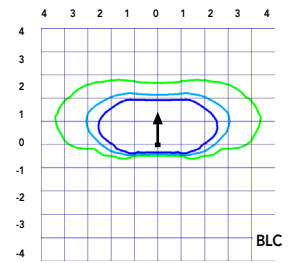
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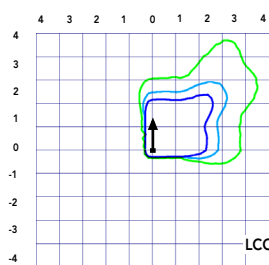
Test No. LT.L23164B tested in accordance with IESNA LM-79-08.



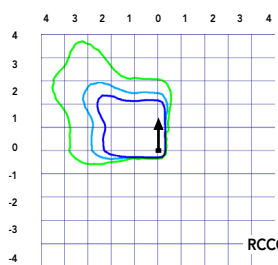
Test No. LT.L23222 tested in accordance with IESNA LM-79-08.



Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



Test No. LT.L23164B tested in accordance with IESNA LM-79-08.

## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

#### Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

\*for use when motion sensor is used as dusk to dawn control.

### Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

#### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FA0 device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130				
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130				
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131				
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127				
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131				
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128				
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131				
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136				
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136				
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136				
				TSW	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135				
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107				
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80				
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80				
				30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
								T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
T2M	8,283	2	0					2	118	8,923	2	0	2	127	9,036	2	0	2	129				
T3S	8,021	2	0					2	115	8,641	2	0	2	123	8,751	2	0	2	125				
T3M	8,263	2	0					2	118	8,901	2	0	2	127	9,014	2	0	2	129				
T4M	8,083	2	0					2	115	8,708	2	0	2	124	8,818	2	0	2	126				
TFTM	8,257	2	0					2	118	8,896	2	0	2	127	9,008	2	0	2	129				
TSVS	8,588	3	0					0	123	9,252	3	0	0	132	9,369	3	0	0	134				
T5S	8,595	3	0					1	123	9,259	3	0	1	132	9,376	3	0	1	134				
T5M	8,573	3	0					2	122	9,236	3	0	2	132	9,353	3	0	2	134				
TSW	8,517	3	0					2	122	9,175	4	0	2	131	9,291	4	0	2	133				
BLC	6,770	1	0					2	97	7,293	1	0	2	104	7,386	1	0	2	106				
LCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79				
RCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79				
30	1050	P3	102W					T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
								T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125				
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121				
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125				
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122				
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125				
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130				
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130				
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130				
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129				
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102				
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76				
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76				
				30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
								T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
T2M	13,490	2	0					2	108	14,532	3	0	3	116	14,716	3	0	3	118				
T3S	13,064	3	0					3	105	14,074	3	0	3	113	14,252	3	0	3	114				
T3M	13,457	2	0					2	108	14,497	2	0	2	116	14,681	2	0	2	117				
T4M	13,165	2	0					3	105	14,182	2	0	3	113	14,362	2	0	3	115				
TFTM	13,449	2	0					3	108	14,488	2	0	3	116	14,672	2	0	3	117				
TSVS	13,987	4	0					1	112	15,068	4	0	1	121	15,259	4	0	1	122				
T5S	13,999	3	0					1	112	15,080	3	0	1	121	15,271	3	0	1	122				
T5M	13,963	4	0					2	112	15,042	4	0	2	120	15,233	4	0	2	122				
TSW	13,872	4	0					3	111	14,944	4	0	3	120	15,133	4	0	3	121				
BLC	11,027	1	0					2	88	11,879	1	0	2	95	12,029	1	0	2	96				
LCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72				
RCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72				
30	1400	P5	138W					T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
								T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117				
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113				
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116				
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114				
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116				
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121				
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121				
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121				
				TSW	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120				
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95				
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71				
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71				



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# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				TSW	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				TSW	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

## Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability<sup>1</sup>
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**<sup>1</sup>

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

### nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

