

MIDWEST ARCHITECTS  
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Grain Valley, Missouri 64029  
t: (816) 229-8115

Client:  
Ward Development  
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Engineering Solutions  
50 SE 30th Street  
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Structural Engineering:  
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Revisions to technical submissions which are not made or approved by the licensee are prohibited.

Seal:



Project Number: 23-015  
Project Type: NEW CONSTRUCTION  
Project Name and Address:  
**LAKWOOD BUSINESS CENTER, LOT 1**  
NE McGuire Blvd.  
Lee's Summit, Missouri 64064

Issue: Date:  
Bid Set 06.22.23  
Bid Revisions "A" 07.13.23  
FDP 08.15.23

Sheet Title:

SITE LIGHTING  
PHOTOMETRIC  
**E-002**

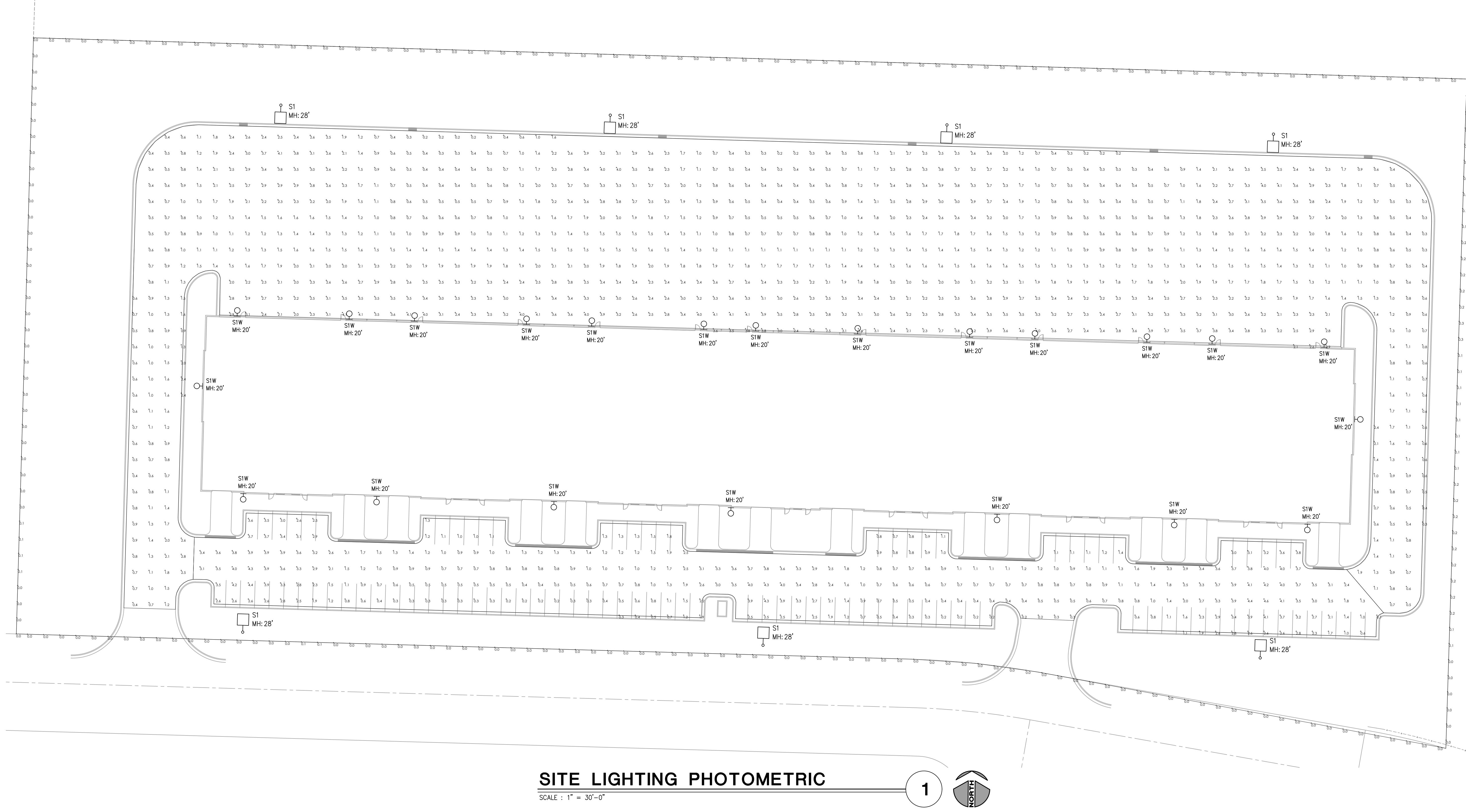
Luminaire Schedule		Description	LLF	Luminaire	Luminaire
Tag				Watts	
S1		DSX2 LED P4 40K 70CRI BLC3	0.800	25482	272.65
SIW		DSXW2 LED 30C 1000 40K T3M MVOLT	0.800	11279	109

Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Parking_Lot	FC	1.76	4.6	0.2	23.00
Property_Line	FC	0.02	0.3	0.0	N.A.
Truck_Drive	FC	1.71	4.2	0.2	21.00

## PHOTOMETRIC SCHEDULES

SCALE : NO SCALE

2



## SITE LIGHTING PHOTOMETRIC

SCALE : 1" = 30'-0"

## SPECIFICATIONS

- ALL CONDUCTORS SHALL BE THHN COPPER ABOVE GRADE, XHHW-2 BELOW GRADE, MINIMUM #12.
- ALL WIRING EXPOSED TO WEATHER OR BELOW GRADE SHALL BE IN RIGID GALVANIZED CONDUIT OR SCH. 40 PVC.
- ALL OTHER WIRING SHALL BE IN EMT, SCH. 40 PVC OR MC CABLE, UNLESS PROTECTED AND ENCLOSED WITHIN BUILDING MATERIALS, IN WHICH CASE TYPE NM CABLE MAY BE USED.
- THE ENTIRE SYSTEM SHALL BE ELECTRICALLY CONTINUOUS AND PROPERLY GROUNDED. EVERY FEEDER AND BRANCH CONDUIT SHALL HAVE CODE SIZED GREEN INSULATED GROUND CONDUCTOR.
- "MH" = MOUNTING HEIGHT (IN FEET)

## SYMBOLS LEGEND

- NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC., ARE NECESSARILY USED ON THE DRAWINGS.
- Site lighting fixture with house side shield. Mount at 28'-0". Basis of design: LITHONIA D-SERIES.
  - Wall pack fixture. Mount at 20'-0". Basis of design: LITHONIA D-SERIES.

## GENERAL NOTE

- ALL WORK SHALL COMPLY WITH THE LEE'S SUMMIT, MO UNIFIED DEVELOPMENT ORDINANCE ARTICLE 8 SUBDIVISION 5. - LIGHTING STANDARDS.
- ALL ELECTRICAL/CONDUIT STREET CROSSINGS NEED TO BE BACKFILLED WITH AB-3 OR FLOWABLE FILL IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.

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PHOTOMETRIC  
E-003

**H G F E D C B A**

**8**

**7**

**6**

**5**

**4**

**3**

**2**

**1**

**POLE BASE DETAIL**  
- CONFIRM "A" & "Bc" DIM WITH POLE MANUFACTURER

**POLE-TO-BASE CONNECTION DETAIL**

**POLE TO BASE CONNECTIONS**  
NOT TO SCALE

**Fixture "S1W"**

**D-Series Size 2 LED Wall Luminaires**

**Specifications**

Luminaires	Width: 18-1/2"	Weight: 21 lbs (9.1kg)
Back Box (BBW)	Width: 5-1/2"	Weight: 1 lbs (0.45kg)
Depth:	1-1/2"	
Height:	3-5/8"	

**Acuity® Capable Luminaire**

The item is an Acuity® 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® Brand specification for chromatic consistency.
- This luminaire is Acuity® Certified when ordered with DALI control marked by a shaded background. DALI controlled luminaires meet the Acuity® specification for luminaire to photometric interoperability.
- This luminaire is part of an Acuity® Certified solution for RCM4® or Xpert™ 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.

To learn more about Acuity®, visit [www.acuitybrands.com/acuity](http://www.acuitybrands.com/acuity).

- See ordering tree for details.
- A+ Certified Options for RCM4 require the order of one RCM4 node per luminaire. Sold Separately: Link to Room: Link to Q11.D4

**Ordering Information**

**EXAMPLE: DSX2 LED P2 40K 70CRI T3M MVOLT SPA NLTAR2 PRHN DDBXO**

DSX2 LED	Color	Color Temperature	Color Spectrums (nm)	Driver	Options
DSX2 LED	Recessed optics	Off-white (RDLW)	4000K	PR	Shipped uninstalled
P1	PS	30K	5000K	TB	Recessed
P2	PE	40K	5000K	TB	Recessed
P3	PF	50K	5000K	TB	Recessed
P4	PA	60K	5000K	TB	Recessed
P5	PP	70K	5000K	TB	Recessed
P6	PT	80K	5000K	TB	Recessed
P7	PI	90K	5000K	TB	Recessed
P8	PR	100K	5000K	TB	Recessed
P9	PS	30K	5000K	TR	Recessed
P10	PE	40K	5000K	TR	Recessed
P11	PF	50K	5000K	TR	Recessed
P12	PA	60K	5000K	TR	Recessed
P13	PP	70K	5000K	TR	Recessed
P14	PT	80K	5000K	TR	Recessed
P15	PI	90K	5000K	TR	Recessed
P16	PR	100K	5000K	TR	Recessed
P17	PS	30K	5000K	TR	Recessed
P18	PE	40K	5000K	TR	Recessed
P19	PF	50K	5000K	TR	Recessed
P20	PA	60K	5000K	TR	Recessed
P21	PP	70K	5000K	TR	Recessed
P22	PT	80K	5000K	TR	Recessed
P23	PI	90K	5000K	TR	Recessed
P24	PR	100K	5000K	TR	Recessed
P25	PS	30K	5000K	TR	Recessed
P26	PE	40K	5000K	TR	Recessed
P27	PF	50K	5000K	TR	Recessed
P28	PA	60K	5000K	TR	Recessed
P29	PP	70K	5000K	TR	Recessed
P30	PT	80K	5000K	TR	Recessed
P31	PI	90K	5000K	TR	Recessed
P32	PR	100K	5000K	TR	Recessed

**Fixture "S1"**

**D-Series Size 2 LED Area Luminaire**

**Specifications**

Width: 10-1/2"	Weight: 21 lbs (9.1kg)
Length: 40-3/8"	Weight: 1 lbs (0.45kg)
Width: 16-3/8"	Weight: 44 lbs (20kg)
Height H1: 8-11"	
Height H2: 3-3/8"	

**Introduction**

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefit 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. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of up to 80% vs. 1800W HID and expected service life of over 100,000 hours.

**Ordering Information**

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P5	PP	70K	5000K	TB	Recessed
P6	PT	80K	5000K	TB	Recessed
P7	PI	90K	5000K	TB	Recessed
P8	PR	100K	5000K	TB	Recessed
P9	PS	30K	5000K	TR	Recessed
P10	PE	40K	5000K	TR	Recessed
P11	PF	50K	5000K	TR	Recessed
P12	PA	60K	5000K	TR	Recessed
P13	PP	70K	5000K	TR	Recessed
P14	PT	80K	5000K	TR	Recessed
P15	PI	90K	5000K	TR	Recessed
P16	PR	100K	5000K	TR	Recessed

**Fixture Pole Specification**

**Fixture Pole Specification**

**POLE DETAIL**

**DRILLED MOUNTING OPTIONS**

**POLE SHAFT**

**TENON MOUNT**

**3.00 X 5.00 HAND HOLE COVER**

**POLE DETAIL**

**0.75 X 26.00 ANCHOR BOLT**

**010.62 X 1.88 THK. BASE CASTING**

**Fixture Specifications**

SCALE : NO SCALE

1