

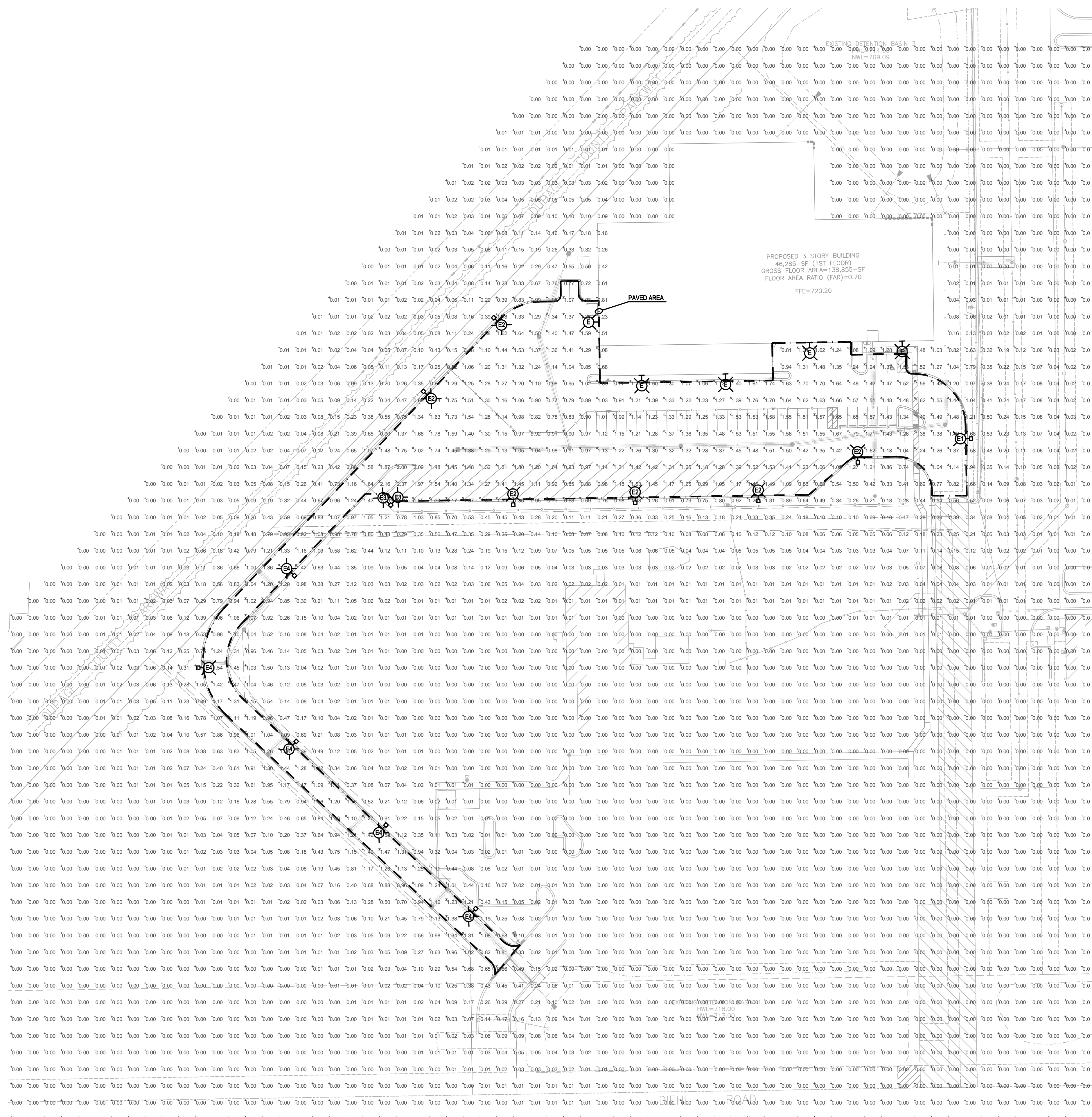
ELECTRICAL SITE PLAN
SCALE: 1"=50'-0"

NOTES:
1. THE EXTERIOR LIGHTING SHOWN ON THIS PLAN COMPLIES WITH NAPERVILLE PERFORMANCE STANDARDS 6-14-4.3.

ELECTRICAL SITE PLAN	
2403 DIEHL ROAD	
BEYOND SELF STORAGE	
NAPERVILLE, ILLINOIS	
JACOB & HEFNER ASSOCIATES	1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com
JACOB & HEFNER ASSOCIATES, INC. CONSULTING ELECTRICAL ENGINEERS 5400 S. WESTERN AVE. NAPERVILLE, IL 60563 (630) 794-3333 FAX (630) 794-5014	Corporation Registration #184,005374
AS NOTED	
19088	
E1	
Date: 09/06/19 Lic. Exp.: 11/30/19	



No.	Description	Date
1	PERMIT REVIEW COMMENTS	08/06/19
1	FOR PERMIT & BID	08/02/19



PHOTOMETRIC SITE PLAN

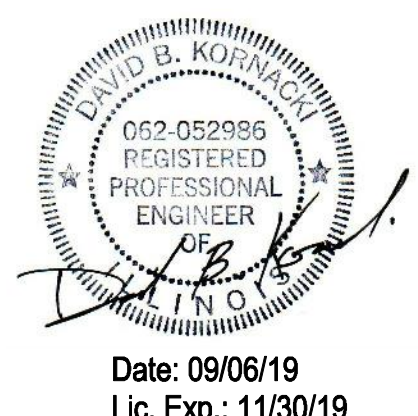
SCALE: 1"=50'-0"

NAPERVILLE REQUIREMENTS:

1. AVERAGE FOOTCANDLES: > 0.5
2. MINIMUM FOOTCANDLES: > 0.13
3. AVERAGEMINIMUM RATIO: < 4:1
4. MAXIMUM MOUNTING HEIGHT: 32'

**LIGHTING ANALYSIS NOTES:
(PAVED AREAS ONLY)**

1. AVERAGE FOOTCANDLES: 1.29
2. MAXIMUM FOOTCANDLES: 2.42
3. MINIMUM FOOTCANDLES: 0.66
4. MAXIMUM/MINIMUM RATIO: 3.7:1
5. AVERAGEMINIMUM RATIO: 2.6:1




Date: 09/06/19
Lic. Exp.: 11/30/19

<h2 style="margin: 0;">PHOTOMETRIC SITE PLAN</h2> <p style="margin: 0;">2403 DIEHL ROAD BEYOND SELF STORAGE NAPERVILLE, ILLINOIS</p>	<p style="margin: 0;">JACOB & HEFNER ASSOCIATES</p> <p style="margin: 0; font-size: small;">1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com</p>
	<p style="margin: 0; font-size: x-small;">Corporation Registration #BA-000374</p> <p style="margin: 0; font-size: x-small;">KORNACKI & ASSOCIATES, INC. CONSULTING ELECTRICAL ENGINEERS 5405 S. STATE ST. SUITE 100 NAPERVILLE, IL 60563 (630) 794-3333 FAX (630) 794-2014</p>
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FIXTURE SCHEDULE

TYPE	INPUT WATTS	VOLTS	LUMENS	COLOR TEMP	CRI		DESCRIPTION	MANUFACTURER	CATALOG NUMBER	SHIELDING	FINISH	MOUNTING	CONTROLS		SEE NOTES
					70+	80+							90+	INTEGRAL	
E	92	120	10335	4000 K	●	●	EXTERIOR WALL BRACKET	LITHONIA	DSX0LED-P4-40K-T4M-MVOLT-WBA-SBA		SBA	WALL - 30" AFG		X	
E1	92	120	10565	4000 K	●	●	POLE AND LUMINAIRE	LITHONIA	DSX0LED-P4-40K-T3M-MVOLT-SPA-HS-SBA		SBA	SEE DETAIL - 32" MAX.		X	
E2	92	120	10335	4000 K	●	●	POLE AND LUMINAIRE	LITHONIA	DSX0LED-P4-40K-T4M-MVOLT-SPA-HS-SBA		SBA	SEE DETAIL - 32" MAX.		X	
E3	184	120	10335 10590	4000 K	●	●	POLE AND LUMINAIRE	LITHONIA	(1) DSX0LED-P4-40K-T4M-MVOLT-SPA-HS-SBA (1) DSX0LED-P4-40K-T2M-MVOLT-SPA-HS-SBA		SBA	SEE DETAIL - 32" MAX.		X	
E4	92	120	10590	4000 K	●	●	POLE AND LUMINAIRE	LITHONIA	DSX0LED-P4-40K-T2M-MVOLT-SPA-HS-SBA		SBA	SEE DETAIL - 32" MAX.		X	



D-Series Size 0
LED Area Luminaire

Specifications

EPA: 0.95 ft² (0.09 m²)

Length: 26" (661 mm)

Width: 13" (330 mm)

Height: 3" (76 mm)

Height: 7" (178 mm)

Weight (max): 16 lbs (7.3 kg)

Introduction

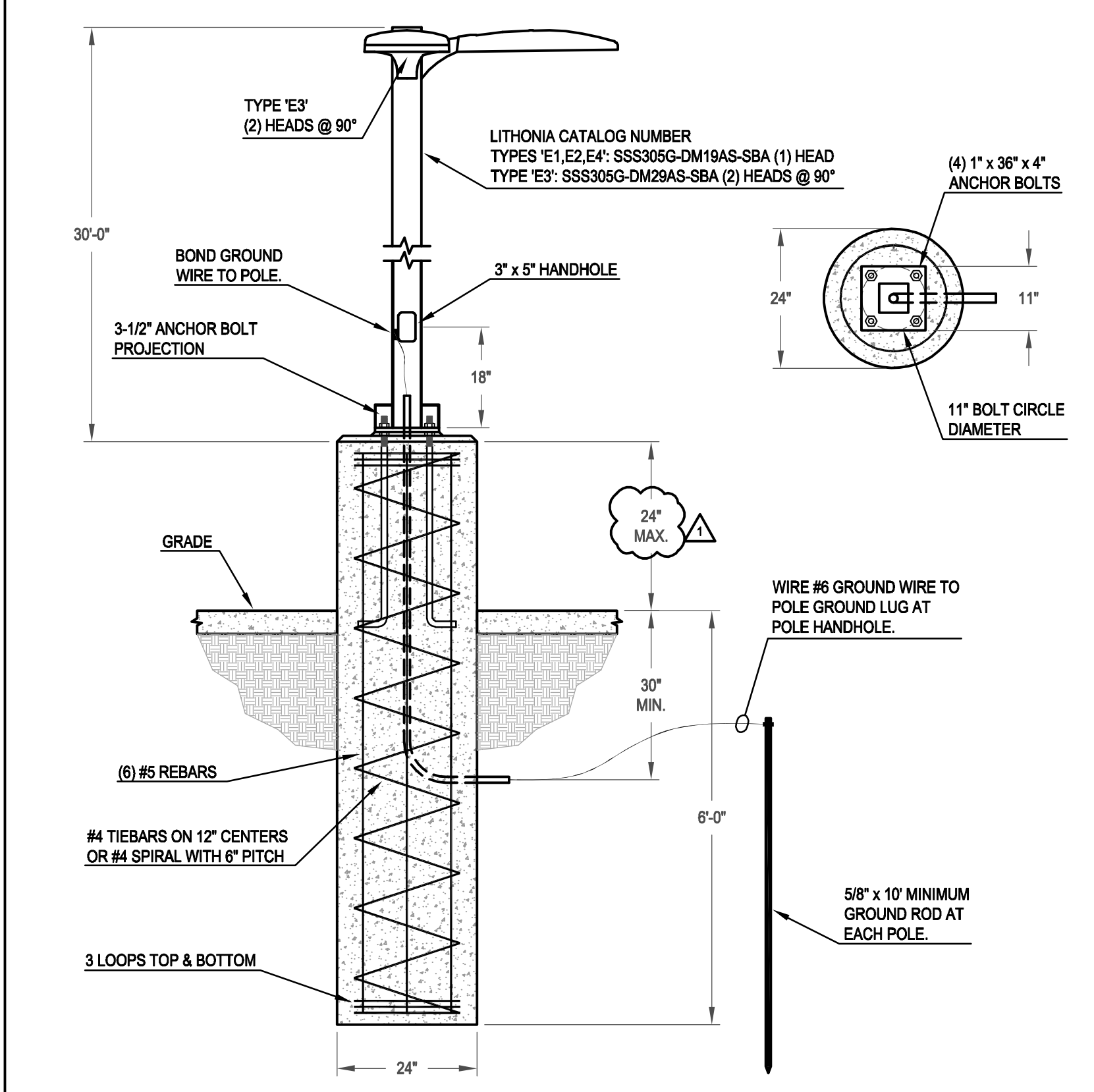
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBX0

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics		T15 Type I short	T55 Type V short	MVOLT ^{1A}
	P1 P4 P7	30K 3000K 40K 4000K 50K 5000K	T25 Type II short T3M Type I medium T3W Type II wide	T35 Type V medium T3W Type V wide	SPA Square pole mounting SPA Round pole mounting WSA Wall bracket
DSX0 LED	Rotated optics		T3M Type II medium	LCCO Left corner cutoff ¹	277 ¹
	P10 ¹ P12 ¹ P11 ¹ P13 ¹		T4M Type IV medium TFM Forward throw medium TSVS Type V very short	RCCO Right corner cutoff ¹	347 ^{1A} 480 ^{1A}

SYMBOLS / ABBREVIATIONS

WALL BRACKET/WALL SCONCE FIXTURE - SEE FIXTURE SCHEDULE
SURFACE/PENDANT FIXTURE - SEE FIXTURE SCHEDULE
RECESSED DOWNLIGHT FIXTURE - SEE FIXTURE SCHEDULE
POLE & LUMINAIRE(S) FIXTURE - SEE FIXTURE SCHEDULE
SWITCHED CIRCUIT
BRANCH CIRCUIT
AFB ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AFI ARC FAULT INTERRUPTER
AMP AMPERES/AMPERAGE
BFC BELOW FINISHED CEILING
BOL BUILT-IN OVERLOAD
BRKR BREAKER
BWE BAKED WHITE ENAMEL
CBA COLOR BY ARCHITECT
CRCT CIRCUIT CONTROL
CTL CONTROL
DCP DOCK EQUIPMENT CONTROL PANEL
DISC DISCONNECT
EC ELECTRICAL CONTRACTOR
EM EMERGENCY
ER EXISTING RELOCATED
ETR EXISTING TO BE REMOVED
EX EXISTING TO REMAIN
EXR EXISTING TO BE RELOCATED
EWC ELECTRIC WATER COOLER
FAAP FIRE ALARM ANUNCIATOR PANEL
FACP FIRE ALARM CONTROL PANEL
FLA FULL LOAD AMPS
FLSW FLOAT SWITCH
FPC FIRE PROTECTION CONTRACTOR
FURN FURNISHED
GC GENERAL CONTRACTOR
GFCI GROUND FAULT CIRCUIT INTERRUPTER
GND GROUND
HOA HAND-OFF-AUTOMATIC SWITCH
HP HORSEPOWER
HVAC HEATING AND VENTILATING CONTRACTOR
IG ISOLATED GROUND
INT INTEGRAL
IR IN ROOM
IU IN UNIT
JB JUNCTION BOX
KW KILOWATTS
LOC LOCATION
LT LOW TEMPERATURE
LTSW LIGHT SWITCH
LVT LOW VOLTAGE THERMOSTAT
MAG MAGNETIC STARTER
MAN MANUAL STARTER
MCA MINIMUM CIRCUIT AMPS
MSPPL MANUAL STARTER WITH PILOT LIGHT
NL NIGHT LIGHT
NU NEAR UNIT
OHP OVERHEAT PROTECTION
OS OCCUPANCY SENSOR
OU ON UNIT
PB PUSH BUTTON
PC PLUMBING CONTRACTOR
PESW PNEUMATIC ELECTRIC SWITCH
PW PREMIXED
RC REFRIGERATION CONTRACTOR
RCC REFRIGERATION CONTROL CONTRACTOR
RECEPT RECEPTACLE
SBA SELECTED BY ARCHITECT
SC SEPARATE CIRCUIT
SPSW SPEED SWITCH
SS SOFT START
ST SHUNT TRIP
SW SWITCH
T LINE VOLTAGE THERMOSTAT
TBD TO BE DETERMINED
TC TIME CLOCK
TCC TEMPERATURE CONTROL CONTRACTOR
TCP TEMPERATURE CONTROL PANEL
UM UNIT MANUFACTURER
UNO UNLESS NOTED OTHERWISE
VFD VARIABLE FREQUENCY DRIVE
W WATTS
WP WEATHER PROOF ("WHILE-IN-USE")
XFMR TRANSFORMER

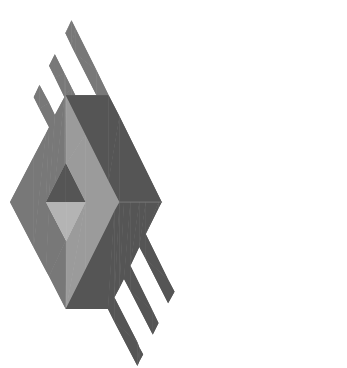


1 ELECTRICAL FIXTURE TYPES 'E1, E2, E3 & E4' MOUNTING DETAIL NOT TO SCALE

No.	Description	Date
1	FOR PERMIT & BID	09/02/19

SCHEDULES & DETAILS
2403 DIEHL ROAD
BEYOND SELF STORAGE
NAPERVILLE, ILLINOIS

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