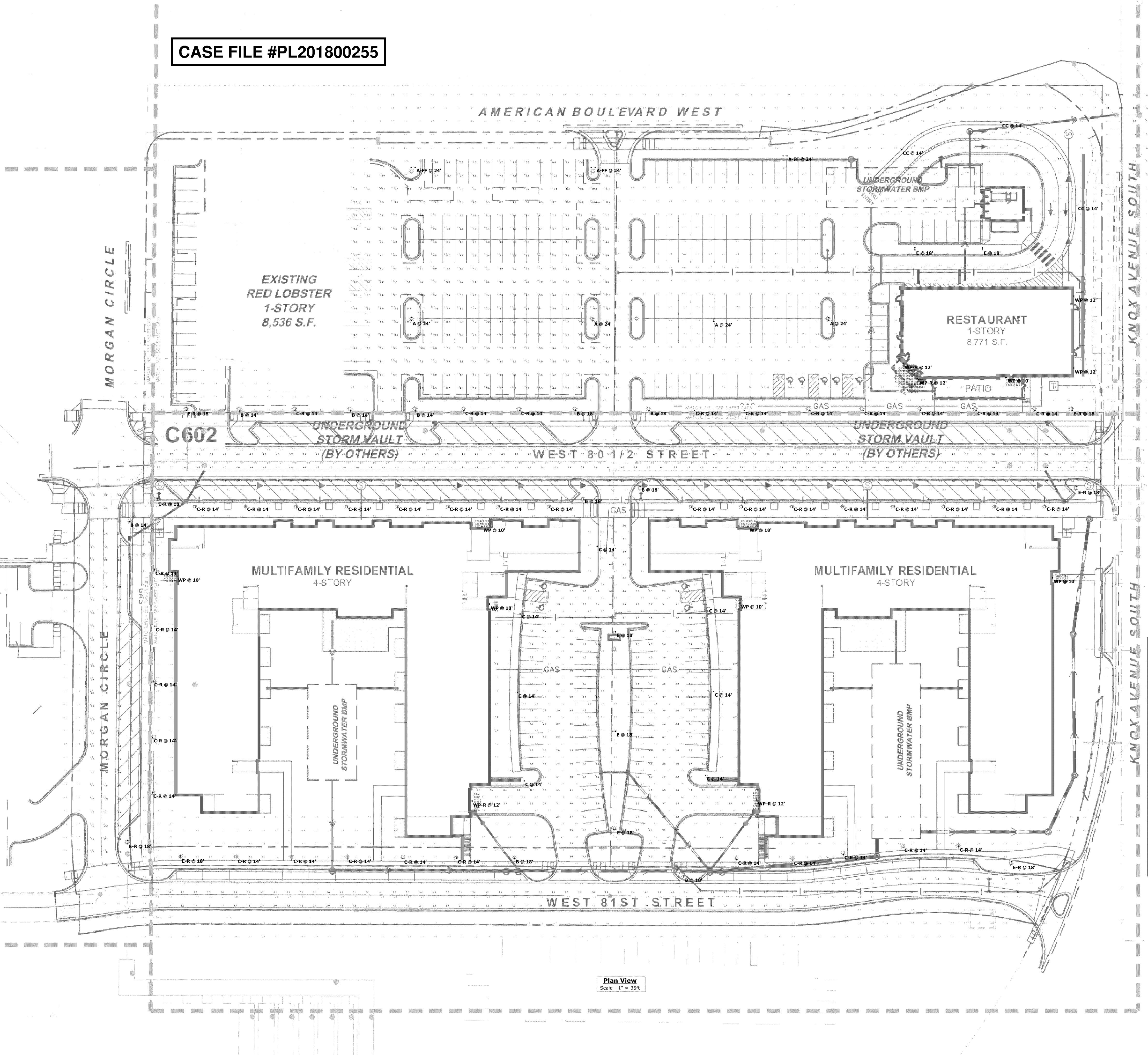


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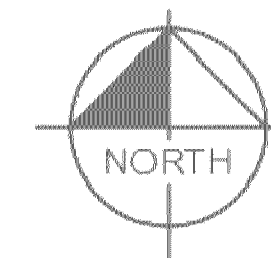


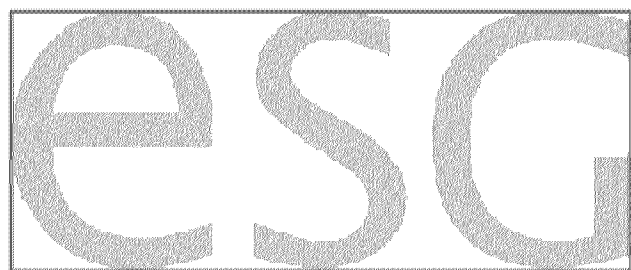
Plan View
Scale - 1" = 35ft

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Symbol	Label	Quantity	Catalog Number	Manufacturer	Filename	Light Loss Factor	Wattage
□	A	4	ATB2_80LEDE15_XXXX R5 4K/5K	American Electric Lighting	ATB2_80LEDE15_XXXX X_R5_4K_5K.ies	1	776
□	A-FF	3	ATB2_80LEDE15_XXXX R3 4K/5K	American Electric Lighting	ATB2_80LEDE15_XXXX X_R3_4K_5K.ies	1	776
□	B	10	ATB2_40LEDE70_XXXX R4 4K/5K	American Electric Lighting	ATB2_40LEDE70_XXXX X_R4_4K_5K.ies	1	88
□	C	7	ATB2_40LEDE70_XXXX R2 4K/5K	American Electric Lighting	ATB2_40LEDE70_XXXX X_R2_4K_5K.ies	1	88
□	CC	3	ATB2_40LEDE10_XXXX R4 4K/5K	American Electric Lighting	ATB2_40LEDE10_XXXX X_R4_4K_5K.ies	1	133
□	C-R	41	ATB0_30LEDE70_XXXX R4 4K/5K	American Electric Lighting	ATB0_30LEDE70_XXXX X_R4_4K_5K.ies	1	70
□	E	5	ATB2_40LEDE10_XXXX R5 4K/5K	American Electric Lighting	ATB2_40LEDE10_XXXX X_R5_4K_5K.ies	1	266
□	E-R	7	ATB0_20LEDE53_XXXX R4 4K/5K	American Electric Lighting	ATB0_20LEDE53_XXXX X_R4_4K_5K.ies	1	72
□	WP	9	HLWPC2_P30_40K_XX_T4M	Holophane	HLWPC2_P30_40K_XX_T4M.ies	1	71
□	WP-R	4	HLWPC2_P50_50K_XX_T4M	Holophane	HLWPC2_P50_50K_XX_T4M.ies	1	115

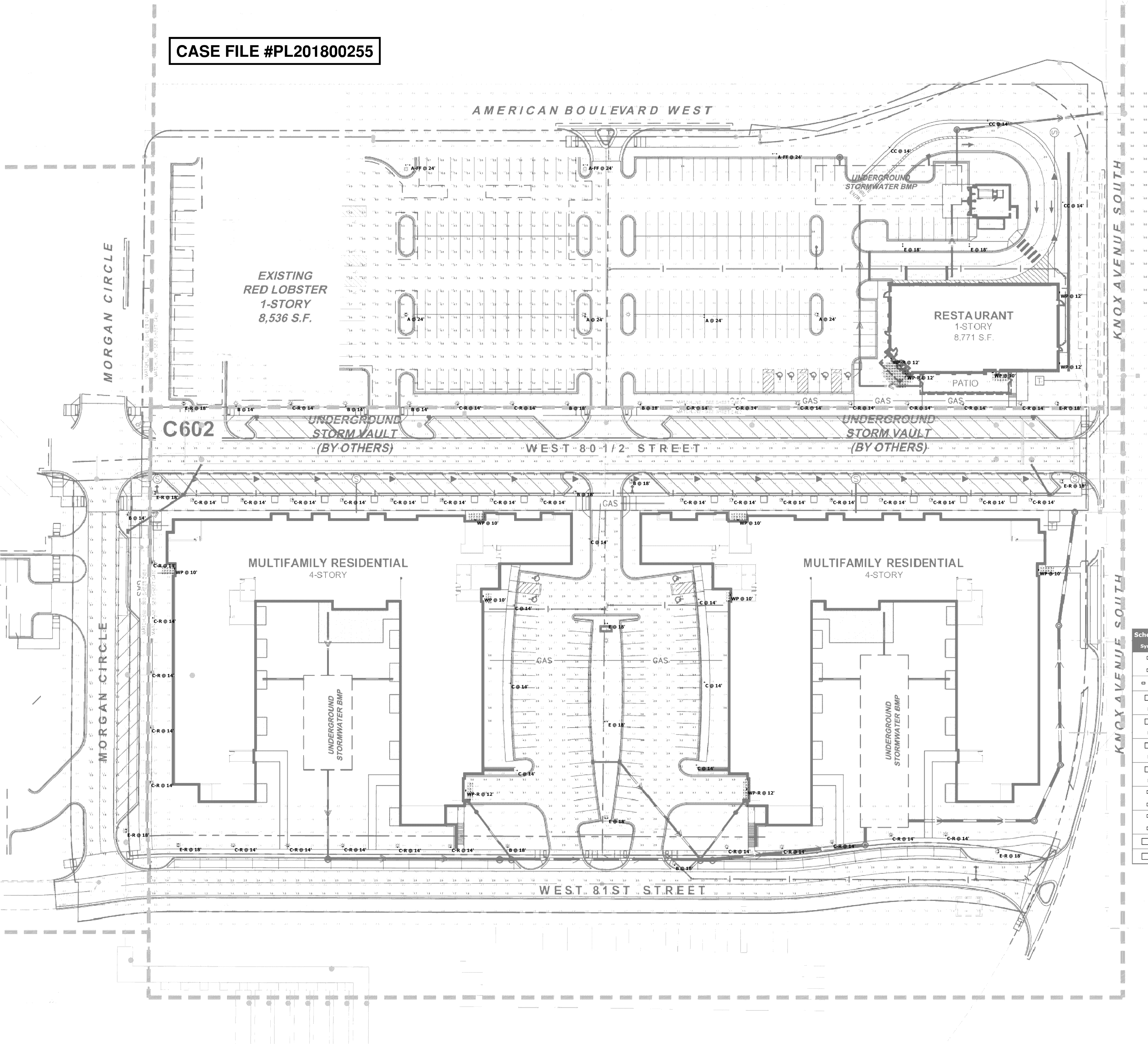
Description	Symbol	Avg	Max	Min	Max/Min
10 x 10 Grid Morgan Circle	+	2.5 fc	9.8 fc	0.0 fc	N/A
10 x 10 Grid W 81st St	+	2.1 fc	7.3 fc	0.1 fc	73.0:1
10x10 Grid 80-1/2 St	+	4.1 fc	10.3 fc	0.1 fc	103.0:1
10x10 Grid from Morgan, Am Blvd, Knox and W 80-1/2(Copy)	+	5.3 fc	28.5 fc	0.0 fc	N/A
10x10 Grid- Multifamily from W 80-1/2 to W 81st	+	4.5 fc	14.9 fc	0.7 fc	21.3:1
E Bldg, E Residential Entrance(Copy)	+	8.4 fc	11.0 fc	6.7 fc	1.6:1
E Bldg, N Residential Entrance(Copy)	+	9.7 fc	12.2 fc	8.3 fc	1.5:1
E Bldg, NW Residential Entrance(Copy)	+	9.8 fc	11.3 fc	8.4 fc	1.3:1
E Bldg, SW Residential Entrance(Copy)	+	9.9 fc	11.7 fc	8.2 fc	1.4:1
East Lot @ 0ft(Copy)	+	7.8 fc	27.2 fc	3.2 fc	8.5:1
Morgan- 81st to 80-1/2	+	2.3 fc	8.1 fc	0.8 fc	10.1:1
Multi Family Lot @ 0ft	+	4.7 fc	11.3 fc	2.1 fc	5.4:1
Restaurant Secondary Entrance 5ft	+	8.9 fc	11.5 fc	6.5 fc	1.8:1
Restaurant Circle / Parking @ 0ft(Copy)	+	6.1 fc	10.8 fc	2.5 fc	4.3:1
Restaurant primary entrance @ 16ft	+	16.0 fc	19.0 fc	12.4 fc	1.5:1
W 80- 1/2 St.	+	4.5 fc	7.1 fc	2.0 fc	3.6:1
W 81st St.	+	2.4 fc	5.4 fc	0.5 fc	10.8:1
W Bldg, N Residential Entrance	+	9.3 fc	11.8 fc	7.8 fc	1.5:1
W Bldg, NE Residential Entrance	+	9.8 fc	11.3 fc	8.4 fc	1.3:1
W Bldg, SE Residential Entrance	+	10.0 fc	11.5 fc	8.4 fc	1.4:1
W Bldg, W Residential Entrance	+	9.4 fc	11.7 fc	7.8 fc	1.5:1
West Lot @ 0ft	+	6.7 fc	25.3 fc	2.7 fc	9.4:1





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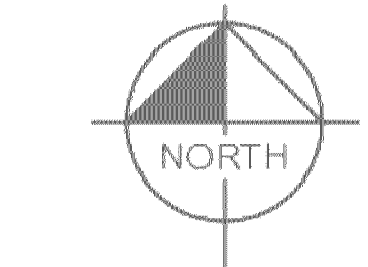


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Symbol	Label	Quantity	Catalog Number	Manufacturer	Filename	Light Loss Factor	Wattage
□	A	4	ATB2 80BLED15 XXXXX R5 4K/5K	American Electric Lighting	ATB2_80BLED15_XXXX X_R5_4K_5K.ies	0.81	776
□	A-FF	3	ATB2 80BLED15 XXXXX R3 4K/5K	American Electric Lighting	ATB2_80BLED15_XXXX X_R3_4K_5K.ies	0.81	776
□	B	10	ATB2 40BLED70 XXXXX R4 4K/5K	American Electric Lighting	ATB2_40BLED70_XXXX X_R4_4K_5K.ies	0.81	88
□	C	7	ATB2 40BLED70 XXXXX R2 4K/5K	American Electric Lighting	ATB2_40BLED70_XXXX X_R2_4K_5K.ies	0.81	88
□	CC	3	ATB2 40BLED10 XXXXX R4 4K/5K	American Electric Lighting	ATB2_40BLED10_XXXX X_R4_4K_5K.ies	0.81	133
□	C-R	41	ATB0 30BLED70 XXXXX R4 4K/5K	American Electric Lighting	ATB0_30BLED70_XXXX X_R4_4K_5K.ies	0.81	70
□	E	5	ATB2 40BLED10 XXXXX R5 4K/5K	American Electric Lighting	ATB2_40BLED10_XXXX X_R5_4K_5K.ies	0.81	266
□	E-R	7	ATB0 20BLED53 XXXXX R4 4K/5K	American Electric Lighting	ATB0_20BLED53_XXXX X_R4_4K_5K.ies	0.81	72
□	WP	9	HLWPC2 P30 40K XX T4M	Holophane	HLWPC2_P30_40K_XX_T 4M.ies	0.81	71
□	WP-R	4	HLWPC2 P50 50K XX T4M	Holophane	HLWPC2_P50_50K_XX_T 4M.ies	0.81	115

Statistics

Description	Symbol	Avg	Max	Min	Max/Min
10 x 10 Grid Morgan Circle	+	2.0 fc	8.0 fc	0.0 fc	N/A
10 x 10 Grid W 81st St	+	1.7 fc	5.9 fc	0.1 fc	59.0:1
10x10 Grid 80-1/2 St	+	3.3 fc	8.3 fc	0.0 fc	N/A
10x10 Grid from Morgan, Am Blvd, Knox and W 80-1/2(Copy)	+	4.3 fc	23.1 fc	0.0 fc	N/A
10x10 Grid- Multifamily from W 80-1/2 to W 81st	+	3.7 fc	12.1 fc	0.6 fc	20.2:1
E Bldg, E Residential Entrance(Copy)	+	6.8 fc	8.9 fc	5.4 fc	1.6:1
E Bldg, N Residential Entrance(Copy)	+	7.8 fc	9.9 fc	6.7 fc	1.5:1
E Bldg, NW Residential Entrance(Copy)	+	7.9 fc	9.2 fc	6.8 fc	1.4:1
E Bldg, SW Residential Entrance(Copy)	+	8.0 fc	9.4 fc	6.6 fc	1.4:1
East Lot @ 0ft(Copy)	+	6.3 fc	22.0 fc	2.6 fc	8.5:1
Morgan- 81st to 80-1/2	+	1.9 fc	6.6 fc	0.6 fc	11.0:1
Multi Family Lot @ 0ft	+	3.8 fc	9.2 fc	1.7 fc	5.4:1
Restaurant Secondary Entrance 5ft	+	7.2 fc	9.3 fc	5.3 fc	1.8:1
Restaurant Circle / Parking @ 0ft(Copy)	+	4.9 fc	8.8 fc	2.0 fc	4.4:1
Restaurant primary entrance @ 16ft	+	12.9 fc	15.4 fc	10.0 fc	1.5:1
W 80- 1/2 St.	+	3.6 fc	5.8 fc	1.6 fc	3.6:1
W 81st St.	+	2.0 fc	4.4 fc	0.4 fc	11.0:1
W Bldg, N Residential Entrance	+	7.6 fc	9.6 fc	6.4 fc	1.5:1
W Bldg, NE Residential Entrance	+	7.9 fc	9.2 fc	6.8 fc	1.4:1
W Bldg, SE Residential Entrance	+	8.1 fc	9.3 fc	6.8 fc	1.4:1
W Bldg, W Residential Entrance	+	7.7 fc	9.5 fc	6.3 fc	1.5:1
West Lot @ 0ft	+	5.4 fc	20.5 fc	2.1 fc	9.8:1



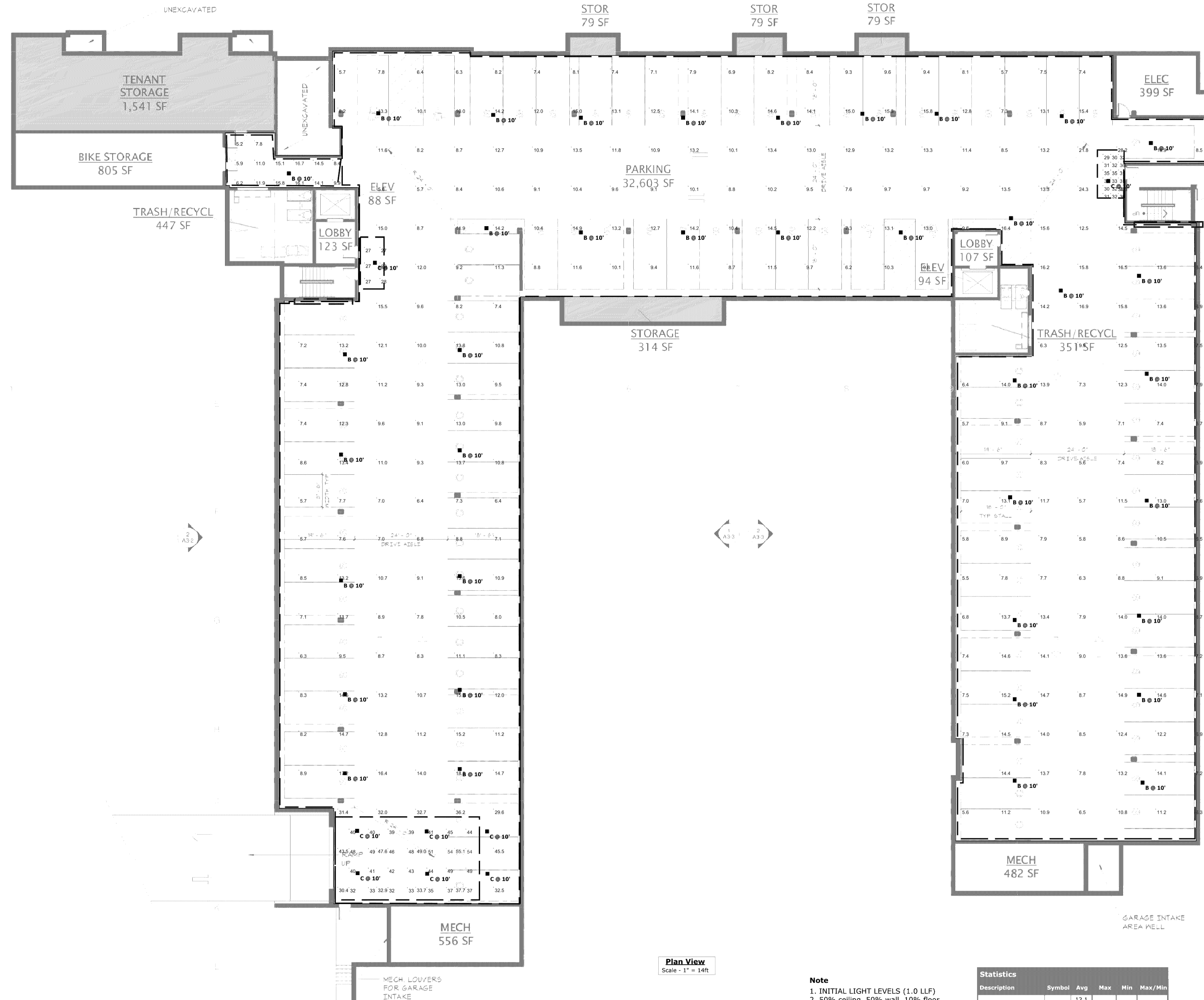
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FLOOR PLANS

A1-0

Schedule							
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Filename	Light Loss Factor Wattage
	B	38	Holophane	PPSQL2 P80 40K/50K XX PY TSM	Holophane ParkPak Square LED, LED Performance Package P80, 96W, 4000K/5000K CCT, Voltage, Polycarbonate Lens, Type V, Medium	PPSQL2_P80_40K_50K_X X_PY_TSM.ies	1 96
	C	8	Holophane	PPSQL2 P80 40K/50K XX PY TSE	Holophane ParkPak Square LED, LED Performance Package P80, 96W, 4000K/5000K CCT, Voltage, Polycarbonate Lens, Type V, Entryway	PPSQL2_P80_40K_50K_X X_PY_TSE.ies	1 96

Plan View
Scale - 1" = 14ft

- Note
1. INITIAL LIGHT LEVELS (1.0 LLF)
 2. 50% ceiling, 50% wall, 10% floor reflectances
 3. Light Level @ 0ft

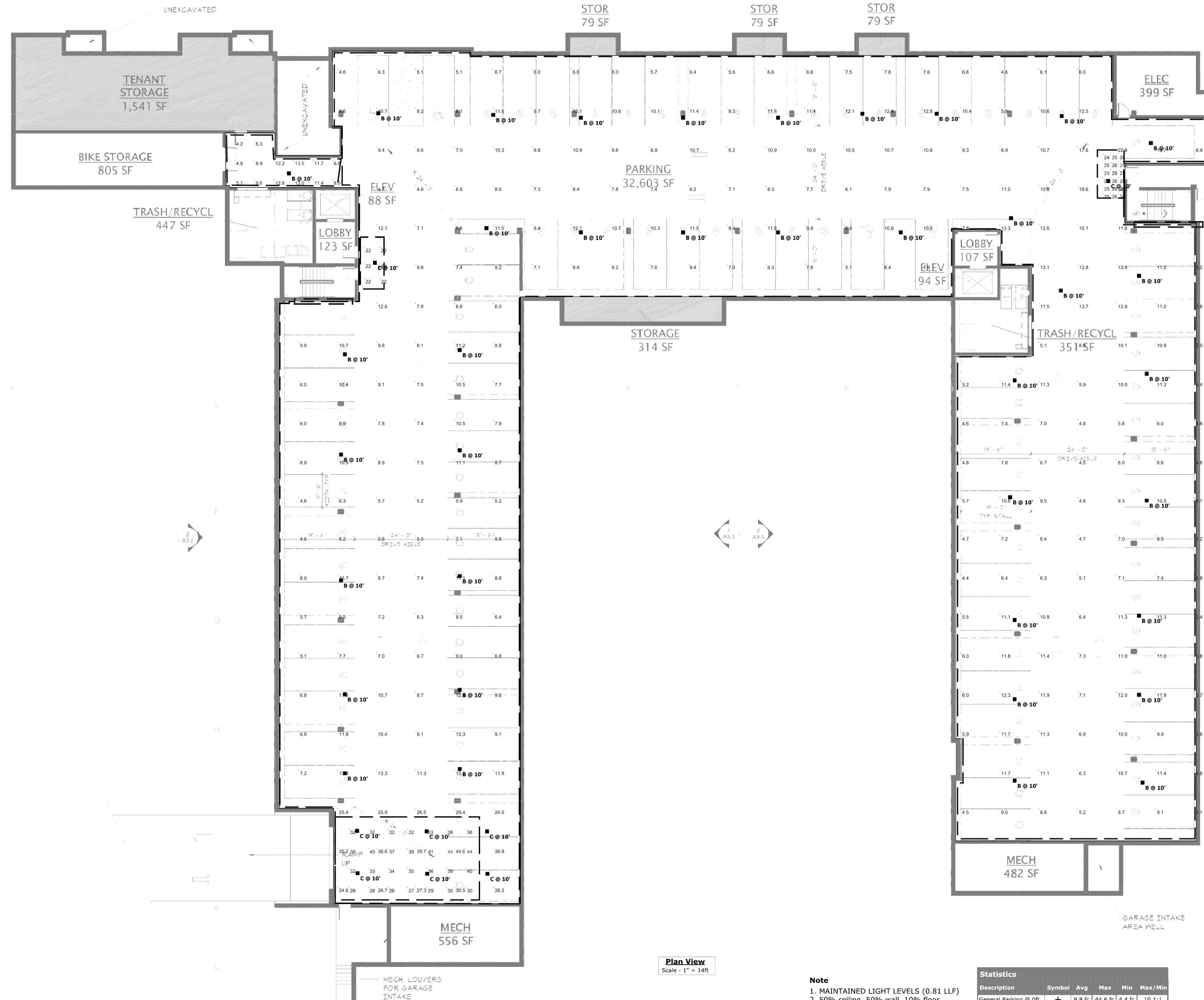
Statistics					
Description	Symbol	Avg	Max	Min	Max/Min
General Parking @ 0ft	+	12.1 fc	55.1 fc	5.5 fc	10.0:1
NE Pedestrian Entrance	+	32 fc	36 fc	29 fc	1.2:1
NW Pedestrian Entrance	+	28 fc	29 fc	27 fc	1.1:1
Storage Hall	+	11.3 fc	16.7 fc	5.2 fc	3.2:1
Vehicle Entrance	+	42 fc	54 fc	32 fc	1.7:1

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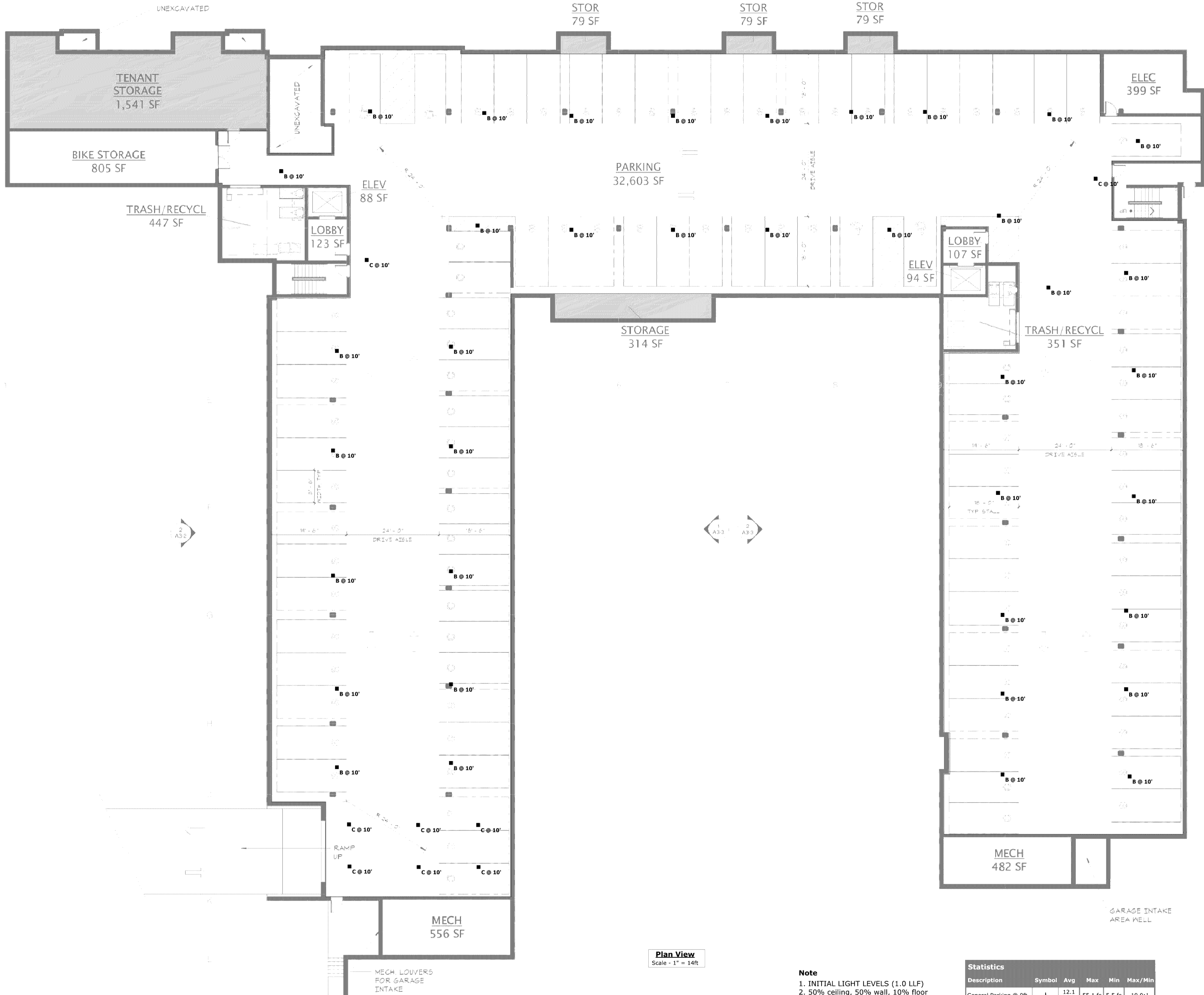
A1-0

Schedule							
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Filename	Light Loss Factor Wattage
	B	38	Holophane	PPSQL2 P80 40K/50K XX PY TSM	Holophane ParkPak Square LED, LED Performance Package P80, 96W, 4000K/5000K CCT, Voltage, Polycarbonate Lens, Type V, Medium	PPSQL2_P80_40K_50K_X_X_PY_TSM.ies	0.81 96
	C	8	Holophane	PPSQL2 P80 40K/50K XX PY TSE	Holophane ParkPak Square LED, LED Performance Package P80, 96W, 4000K/5000K CCT, Voltage, Polycarbonate Lens, Type V, Entryway	PPSQL2_P80_40K_50K_X_X_PY_TSE.ies	0.81 96

Plan View
Scale: 1" = 14ft

- Note
1. MAINTAINED LIGHT LEVELS (0.81 LLF)
 2. 50% ceiling, 50% wall, 10% floor reflectances
 3. Light Level @ 0ft

Statistics					
Description	Symbol	Avg	Max	Min	Max/Min
General Parking @ 0ft	+	9.8 fc	44.6 fc	4.4 fc	10.1:1
NE Pedestrian Entrance	+	26 fc	29 fc	24 fc	1.2:1
NW Pedestrian Entrance	+	22 fc	24 fc	22 fc	1.1:1
Storage Hall	+	9.2 fc	13.5 fc	4.2 fc	3.2:1
Vehicle Entrance	+	34 fc	44 fc	26 fc	1.7:1



Plan View
Scale - 1" = 14ft

- Note**
1. INITIAL LIGHT LEVELS (1.0 LLF)
 2. 50% ceiling, 50% wall, 10% floor reflectances
 3. Light Level @ 0ft

Statistics					
Description	Symbol	Avg	Max	Min	Max/Min
General Parking @ 0ft	+	12.1 fc	55.1 fc	5.5 fc	10.0:1
NE Pedestrian Entrance	+	32 fc	36 fc	29 fc	1.2:1
NW Pedestrian Entrance	+	28 fc	29 fc	27 fc	1.1:1
Storage Hall	+	11.3 fc	16.7 fc	5.2 fc	3.2:1
Vehicle Entrance	+	42 fc	54 fc	32 fc	1.7:1

Power Statistics				
Description	# Luminaires	Total Watts	Area	Density
Power (w/ft2)	46	4416.0 W	30599.3 ft²	0.1 W/ft²

Schedule							
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Filename	Light Loss Factor Wattage
	B	38	Holophane	PPSQL2 P80 40K/50K XX PY TSM	Holophane ParkPak Square LED, LED Performance Package P80, 96W, 4000K/5000K CCT, Voltage, Polycarbonate Lens, Type V, Medium	PPSQL2_P80_40K_50K_X X_PY_TSM.ies	1 96
	C	8	Holophane	PPSQL2 P80 40K/50K XX PY TSE	Holophane ParkPak Square LED, LED Performance Package P80, 96W, 4000K/5000K CCT, Voltage, Polycarbonate Lens, Type V, Entryway	PPSQL2_P80_40K_50K_X X_PY_TSE.ies	1 96

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Parkpak® LED

Catalog Number

PPSQL2 P80 40K/50K XX PY T5M (type B) / T5E (type C)

Notes

Knox American Parking Garage

Type

B/C

Mechanical

- Heavy grade A380 cast aluminum coupled with a rigorous 5-stage pretreatment, epoxy basecoat and polyester topcoat yield a finish that achieves a scribe creepage rating of 8 after 5,000 hours of salt spray.
- Mounts to a standard junction box
- Provide a swivel kit for pendant mount applications that is secured to a 4 inch square electrical box
- Wet location listed
- IP66 rating
- 3/4" threaded plug(3/4" - 14 NPT) on each side, accepts 3/4" and 1/2" conduit.
- Vibe rating for surface mount: 3G
- Vibe rating for pendant mount: 3G at 1.5 feet, excludes swivel kit
- Pendant mount: 3/4" - 14 NPT in center of housing
- Bird Shroud (Accessory)

Electrical

- Electrical harness for quick and safe disconnect / connect of power and options
- Rated for -40°C / -40°F minimum ambient
- Programmable electronic driver with 0-10V control leads
- Available in: 120-277V 50/60 Hz and 347-480V 50/60 Hz
- Standard LEDs shall have a minimum of 70 CRI available in 3000K, 4000K and 5000K CCT
- Optional LEDs shall have a minimum of 80 CRI available in 3000K, 4000K and 5000K CCT (8 week lead-time)
- Internal mounted emergency battery backup for operation in an ambient temperature ranging from -20°C - 30°C for P10 thru P40 performance packages, non CEC compliant
- The electrical system shall be designed to meet ANSI/IEEE C62.41.2 10kV/10kA and C136.2 10kV/5kA

Optical

- The light engine shall be IP66
- Type V: E (entry), M (medium), R (rectangle) & W(wide)
- Asymmetric

Optical Material Options

- Borosilicate glass lens (GL)
- Polycarbonate lens (PY)
- A zero uplight option (FC)

Controls

- Field adjustable output
- Button style photocontrol
- XPoint™ Wireless control
- Motion Sensor / Ambient Photocontrol with mounting options ranging from (8-15') and (15-30')
- Title 24 compliance options available

Certification and Standards

- Luminaire shall be CSA listed, US and Canada
- Suitable for operation in an ambient temperature up to 40°C / 104°F for standard product
- Designlights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- LM-79 compliant
- The projected LED Lumen Maintenance shall be based only on IES LM-80-08 and TM-21

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx.

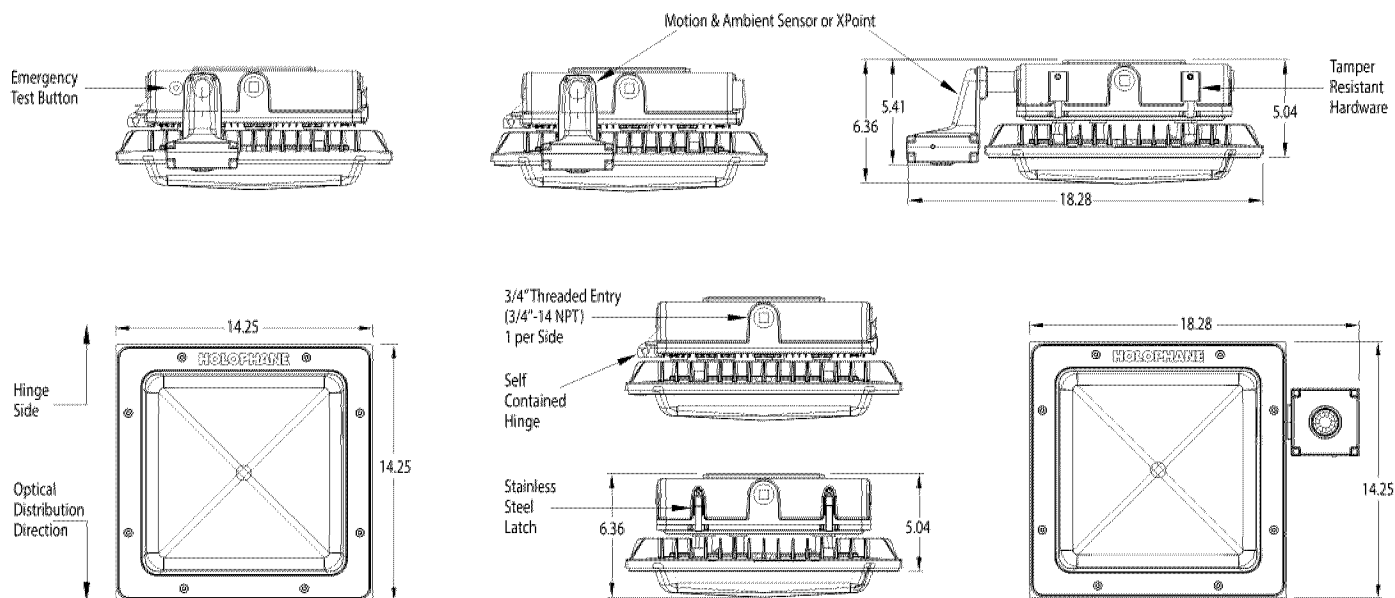
Note: Actual performance may differ as a result of end-user environment and application.

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

Specifications subject to change without notice.

DIMENSIONAL DATA

Maximum weight: 24 lbs.



ORDERING INFORMATION

Example: PPSQL2 P40 40K AS GL T5M STM WHSDP 10KV

Series	LED Performance Package	Color Temperature	Voltage	Optics Material	Optics
PPSQL2 Parkpak LED	1 LEM Package	30K 3,000 K CCT	AS Auto-Sensing Voltage (120V-277V) 50/60HZ	GL Borosilicate Glass Lens (Standard)	T5E Type 5 Entry
	P10 LED Package	40K 4,000 K CCT	AH Auto-Sensing Voltage (347V-480V) 50/60HZ	PY Polycarbonate Lens	T5M Type 5 Medium
	P20 LED Package	50K 5,000 K CCT	12 120V	FC No uplight	TSR Type 5 Rectangular
	P30 LED Package		20 208V		T5W Type 5 Wide
	P40 LED Package		24 240V		ASY Asymmetric
	2 LEM Package		27 277V		
	P50 LED Package		34 347V		
	P60 LED Package		48 480V		
	P70 LED Package				
	P80 LED Package				
	(Refer to page 3 for performance details)				

Mounting	Super Durable Paint	SPD	CRI
STM Surface Mount, Top Feed, 12" Leads	BKSDP Black	10KV 10kV/5kA	Blank 70 CRI (STD)
SSM Surface Mount, Side Feed, 12" Leads	BZSDP Bronze		80CRI 80 CRI
PSM Pendant Swivel Mount, 36" Leads	GHS DP Graphite		
(See page 8 for details)	GYS DP Grey		
	WHSDP White		

Options:			
Adjustable/Programmable Options AO Field Adjustable Output (for lumen/wattage outputs, refer to page 3 for details)		Control Options for 15-30' Mounting Height (refer to page 7 for default settings) MASH Motion / Ambient Sensor MASH3FC3V924 Motion / Ambient Sensor, Title 24 Compliance, for use on Emergency Lighting Circuit MASH3FC3V Motion / Ambient Sensor, Title 24 Compliance - Contact Holophane TSG for this option	
Control Options for 8-15' Mounting Height (refer to page 7 for default settings) MASL Motion / Ambient Sensor MASL3FC3V924 Motion / Ambient Sensor, Title 24 Compliance, for use on Emergency Lighting Circuit MASL3FC3V Motion / Ambient Sensor, Title 24 Compliance - Contact Holophane TSG for this option		XPoint Control Options XAD XPoint™ Wireless Enabled, Motion / Ambient Sensor XAD924 XPoint™ Wireless Enabled, Motion / Ambient Sensor, for use on Emergency Lighting Circuit	
XPoint Control Options (refer to page 5 for default settings) XAD MASL XPoint™ Wireless Enabled, Motion / Ambient Sensor, 8-15' Mounting Height XAD924 MASL XPoint™ Wireless Enabled, Motion / Ambient Sensor, for use on Emergency Lighting Circuit		Button Style Photocontrol Option PE Button Style Photocontrol	
		Fuse Option SF Single Fuse DF Dual Fuse	
		Safety Option EM Integral Emergency Battery Backup, non CEC compliant TP Tamper Resistant Hardware	

Accessories (Ordered & Shipped Separately)	
Bird Shroud	
BSPPSQL2	Field Installed, (Specify Paint Color) Ex. BSPPSQL2 WHSDP

Note:
Designlights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Operating Characteristics

LED Package	Distribution	System Watts	Borosilicate Glass Lens (GL)										Polycarbonate Lens (PY)										Zero Uplight (FC)									
			30K (3000K, 70 CRI)					40K/50K (4000K, 70 CRI)					30K (3000K, 70 CRI)					40K/50K (4000K, 70 CRI)					30K (3000K, 70 CRI)					40K/50K (4000K, 70 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	Lumens	LPW	B	U	G
P10	TSE	25	2,773	111	1	2	1	2,967	119	1	2	1	2,622	105	1	1	1	2,806	112	1	1	1	2,928	117	2	0	0	3,133	125	2	0	0
	TSM	25	2,589	104	1	3	1	2,770	111	1	3	1	2,327	93	1	3	1	2,490	100	1	3	1	2,899	116	2	0	1	3,102	124	2	0	1
	TSW	25	2,504	100	1	3	1	2,679	107	1	3	2	2,280	91	1	3	2	2,440	98	1	3	2	2,843	114	2	0	1	3,042	122	2	0	1
	TSR	25	2,487	99	1	3	2	2,661	106	1	3	2	2,250	90	1	3	2	2,408	96	1	3	2	2,769	111	2	0	2	2,963	119	2	0	2
	ASY	25	2,490	100	1	2	1	2,664	107	1	2	1	2,258	90	1	2	1	2,416	97	1	2	1	2,722	109	1	0	1	2,913	117	1	0	1
P20	TSE	33	3,579	108	2	2	1	3,830	116	2	2	1	3,385	103	2	2	1	3,622	110	2	2	1	3,780	115	2	0	0	4,045	123	2	0	0
	TSM	33	3,342	101	1	3	1	3,576	108	2	3	1	3,004	91	1	3	1	3,214	97	1	3	1	3,742	113	2	0	1	4,004	121	3	0	1
	TSW	33	3,232	98	2	3	2	3,458	105	2	3	2	2,944	89	1	3	2	3,150	95	1	3	2	3,670	111	3	0	1	3,927	119	3	0	2
	TSR	33	3,211	97	2	3	2	3,435	104	2	3	2	2,905	88	1	3	2	3,108	94	1	3	2	3,575	108	3	0	3	3,825	116	3	0	3
	ASY	33	3,214	97	1	3	2	3,439	104	1	3	2	2,915	88	1	3	2	3,119	95	1	3	2	3,514	106	1	0	1	3,760	114	1	0	1
P30	TSE	42	4,323	103	2	2	1	4,625	110	2	2	1	4,089	97	2	2	1	4,375	104	2	2	1	4,566	109	2	0	0	4,885	116	2	0	0
	TSM	42	4,036	96	2	3	2	4,319	103	2	3	2	3,628	86	1	3	2	3,882	92	2	3	2	4,519	108	3	0	1	4,836	115	3	0	1
	TSW	42	3,903	93	2	3	2	4,177	99	2	3	2	3,555	85	2	3	2	3,804	91	2	3	2	4,433	106	3	0	2	4,743	113	3	0	2
	TSR	42	3,877	92	2	3	2	4,149	99	2	3	2	3,508	84	2	3	2	3,754	89	2	3	2	4,317	103	3	0	3	4,620	110	3	0	3
	ASY	42	3,882	92	1	3	2	4,154	99	1	3	2	3,521	84	1	3	2	3,767	90	1	3	2	4,244	101	1	0	1	4,541	108	1	0	1
P40	TSE	51	4,991	98	2	2	1	5,340	105	2	2	1	4,721	93	2	2	1	5,051	99	2	2	1	5,271	103	2	0	0	5,640	111	2	0	0
	TSM	51	4,660	91	2	3	2	4,987	98	2	3	2	4,189	82	2	3	2	4,482	88	2	3	2	5,218	102	3	0	1	5,583	109	3	0	1
	TSW	51	4,507	88	2	3	2	4,822	95	2	3	2	4,105	80	2	3	2	4,392	86	2	3	2	5,118	100	3	0	2	5,476	107	3	0	2
	TSR	51	4,477	88	2	3	3	4,790	94	2	3	3	4,051	79	2	3	3	4,334	85	2	3	3	4,985	98	3	0	3	5,334	105	3	0	3
	ASY	51	4,482	88	1	3	2	4,796	94	1	3	2	4,065	80	1	3	2	4,349	85	1	3	2	4,900	96	1	0	1	5,243	103	1	0	2
P50	TSE	55	6,166	112	2	2	1	6,598	120	2	2	1	5,876	107	2	2	1	6,287	114	2	2	1	6,834	124	3	0	0	7,312	133	3	0	0
	TSM	55	5,989	109	2	3	2	6,408	117	3	3	2	5,405	98	2	3	2	5,783	105	2	3	2	6,865	125	3	0	2	7,346	134	3	0	2
	TSW	55	5,843	106	3	3	3	6,252	114	3	3	3	5,211	95	2	3	3	5,576	101	2	3	3	6,682	121	3	0	3	7,150	130	3	0	3
	TSR	55	5,601	102	3	3	3	5,993	109	3	3	3	5,040	92	2	3	3	5,393	98	2	3	3	6,462	117	3	0	3	6,915	126	3	0	3
	ASY	55	5,564	101	1	3	2	5,953	108	1	3	2	4,961	90	1	3	2	5,308	97	1	3	2	6,393	116	1	0	2	6,840	124	1	0	2
P60	TSE	66	7,094	107	2	2	1	7,591	115	2	2	1	6,761	102	2	2	1	7,234	110	2	2	1	7,862	119	3	0	0	8,413	127	3	0	1
	TSM	66	6,890	104	3	3	2	7,373	112	3	3	2	6,219	94	2	3	2	6,654	101	3	3	2	7,899	120	3	0	2	8,452	128	3	0	2
	TSW	66	6,723	102	3	3	3	7,194	109	3	3	3	5,996	91	2	3	3	6,416	97	3	3	3	7,688	116	3	0	3	8,226	125	3	0	3
	TSR	66	6,445	98	3	3	3	6,896	104	3	3	3	5,799	88	2	3	3	6,205	94	3	3	3	7,435	113	3	0	4	7,956	121	3	0	4
	ASY	66	6,401	97	1	3	2	6,849	104	1	3	2	5,708	86	1	3	3	6,107	93	1	3	3	7,355	111	1	0	2	7,870	119	1	0	2
P70	TSE	80	8,251	103	3	2	1	8,828	110	3	2	1	7,863	98	2	2	1	8,413	105	3	2	1	9,144	114	3	0	1	9,784	122	3	0	1
	TSM	80	8,013	100	3	3	2	8,574	107	3	3	2	7,233	90	3	3	3	7,739	97	3	3	3	9,186	115	3	0	2	9,829	123	4	0	2
	TSW	80	7,819	98	3	3	3	8,366	105	3	3	3	6,973	87	3	3	3	7,461	93	3	3	3	8,941	112	4	0	3	9,567	120	4	0	3
	TSR	80	7,495	94	3	3	3	8,020	100	3	3	3	6,744	84	3	3	3	7,216	90	3	3	3	8,647	108	3	0	4	9,253	116	4	0	4
	ASY	80	7,445	93	2	3	2	7,966	100	2	3	3	6,638	83	1	3	3	7,103	89	1	3	3	8,554	107	1	0	2	9,153	114	2	0	2
P80	TSE	96	9,466	99	3	2	1	10,128	106	3	2	1	9,021	94	3	2	1	9,652	101	3	2	1	10,491	109	3	0	1	11,225	117	3	0	1
	TSM	96	9,193	96	3	3	2	9,837	102	3	3	2	8,298	86	3	3	3	8,878	92	3	3	3	10,539	110	4	0	2	11,277	117	4	0	2
	TSW	96	8,971	93	3	3	3	9,598	100	3	3	3	8,000	83	3	3	3	8,560	89	3	3	3	10,258	107	4	0	3	10,976	114	4	0	3
	TSR	96	8,599	90	3	3	3	9,201	96	3	3	3	7,737	81	3	3	3	8,279	86	3	3	3	9,921	103	4	0	4	10,615	111	4	0	5
	ASY	96	8,541	89	2	3	3	9,139	95	2	3	3	7,616	79	2	3	3	8,149	85	2	3	3	9,814	102	2	0	2	10,501	109	2	0	2

Use the following multipliers to scale 70CRI lumen data to 80CRI, lumens:

CCT	Multiplier
3000K	0.909
4000K	0.886
5000K	0.865

Field Adjustable Output Module

The Field Adjustable Output (AO) module is an onboard device that adjusts the light output and input wattage to meet site specific requirements, allowing a single fixture configuration to be flexibly applied in many different applications.

P10 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	94%
6	81%	83%
5	68%	71%
4	57%	59%
3	45%	47%
2	33%	34%
1	21%	21%

P20 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	94%
6	81%	83%
5	68%	71%
4	56%	59%
3	44%	47%
2	32%	34%
1	20%	21%

P30 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	80%	84%
5	67%	72%
4	55%	60%
3	43%	48%
2	31%	34%
1	19%	21%

P40 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	92%	95%
6	79%	84%
5	66%	73%
4	53%	61%
3	41%	49%
2	29%	35%
1	18%	21%

P50 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	81%	84%
5	62%	66%
4	44%	47%
3	32%	34%
2	20%	21%
1	14%	14%

P60 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	81%	83%
5	68%	72%
4	55%	59%
3	43%	46%
2	31%	33%
1	20%	21%

P70 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	80%	84%
5	67%	73%
4	54%	60%
3	42%	47%
2	30%	34%
1	19%	21%

P80 - AS and AH		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	80%	85%
5	67%	74%
4	55%	63%
3	42%	50%
2	29%	35%
1	17%	21%

OPERATIONAL DATA

Options Matrix

Parameters		SELECTED OPTION (start here with fusing first since there are voltage limitation)																	
		A0	SF	DF	EM	PE	MASH	MASL	MASL3FC3V	MASH3FC3V	MASL3FC3V924	MASH3FC3V924	XAD	XAD924	XAD MASL	XAD MASH	XAD924 MASL	XAD924 MASH	10kV
LED Performance Package	P10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P50	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P60	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P70	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P80	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Voltage	A5	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	AH	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	Y
	12	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	20	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	24	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	27	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	34	Y	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	Y
	48	Y	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	Y
Compatible Options	A0		Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y
	SF	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	DF	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	EM	Y	Y	Y		N	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	Y
	PE	Y	Y	Y	N		N	N	N	N	N	N	Y	Y	N	N	N	N	Y
	MASH	N	Y	Y	Y	N			N	N	N	N	N	N	N	N	N	N	Y
	MASL	N	Y	Y	Y	N			N	N	N	N	N	N	N	N	N	N	Y
	MASL3FC3V	N	Y	Y	Y	N	N	N					N	N	N	N	N	N	Y
	MASH3FC3V	N	Y	Y	Y	N	N	N					N	N	N	N	N	N	Y
	MASL3FC3V924	N	Y	Y	N	N	N	N					N	N	N	N	N	N	Y
	MASH3FC3V924	N	Y	Y	N	N	N	N					N	N	N	N	N	N	Y
	XAD	N	Y	Y	N	Y	N	N	N	N	N	N		N	N	N	N	N	Y
	XAD924	N	Y	Y	N	Y	N	N	N	N	N	N	N		N	N	N	N	Y
	XAD MASL	N	Y	Y	Y	N	N	N	N	N	N	N	N	N		N	N	N	Y
	XAD MASH	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N		N	N	Y
	XAD924 MASL	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N		N	Y
	XAD924 MASH	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N		Y
	10kV	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Notes

N = Combination Not available

Y = Valid Option Combination

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platform 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	36,000	50,000	60,000	75,000	100,000
Lumen Maintenance Factor	1	0.959	0.945	0.926	0.914	0.895	0.864

The italicized data is extrapolated beyond the TM-21 standard.

E = (LM) x (CU) x (LAT) x (LLD)

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 Temperature
0° C	32° F
10° C	50° F
20° C	68° F
25° C	77° F
30° C	86° F
40° C	104° F

OPERATIONAL DATA

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Holophane's Wallpack FCO LED homepage.
Isofootcandle plots for the PPSQL2 P40 40K/50K. Distance are in units of mounting height (8').

Borosilicate Prismatic Glass Option Distribution

PPSQL2 P40 40K/50K XX GL T5W PPSQL2 P40 40K/50K XX GL T5R PPSQL2 P40 40K/50K XX GL T5M PPSQL2 P40 40K/50K XX GL T5E PPSQL2 P40 40K/50K XX GL ASY

Polycarbonate Refractor Option Distribution

PPSQL2 P40 40K/50K XX PY T5W PPSQL2 P40 40K/50K XX PY T5R PPSQL2 P40 40K/50K XX PY T5M PPSQL2 P40 40K/50K XX PY T5E PPSQL2 P40 40K/50K XX PY ASY

Zero Uplight Option Distribution

PPSQL2 P40 40K/50K XX FC T5W PPSQL2 P40 40K/50K XX FC T5R PPSQL2 P40 40K/50K XX FC T5M PPSQL2 P40 40K/50K XX FC T5E PPSQL2 P40 40K/50K XX FC ASY

OPERATIONAL DATA

Motion & Ambient Control Default Settings

Motion Sensor & Photocontrol Default Settings (any other presets require an RFD)						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
MASL or MASH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
MASL3FC3V or MASH3FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 3FC	3 sec	5 min	5 min
MASL3FC3V924 or MASH3FC3V924	3V (37%) Output	10V (100%) Output	Enabled @ 3FC	3 sec	5 min	5 min

Xpoint™ Default Settings

Xpoint™ Table						
Option	Dimmed State	"High Level (when triggered)"	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
XAD or XAD924	-	-	-	-	-	-
XAD MASL or XAD MASH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
XAD924 MASL or XAD924 MASH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min

Motion Sensor & XPoint Finish Based on Paint Selection

Super Durable Paint	Sensor Color
BKSDP Black	Black Finish
BZSDP Bronze	Black Finish
GHSDP Graphite	White Finish
GYSDP Grey	White Finish
WHSDP White	White Finish

XPoint Wireless UL924

The Xpoint Wireless UL924 listed controllers are intended for use on central emergency power systems. Power interruption during transfer time must be greater than 30 ms in order for the XPoint Wireless controllers to activate the Egress Mode functionality.

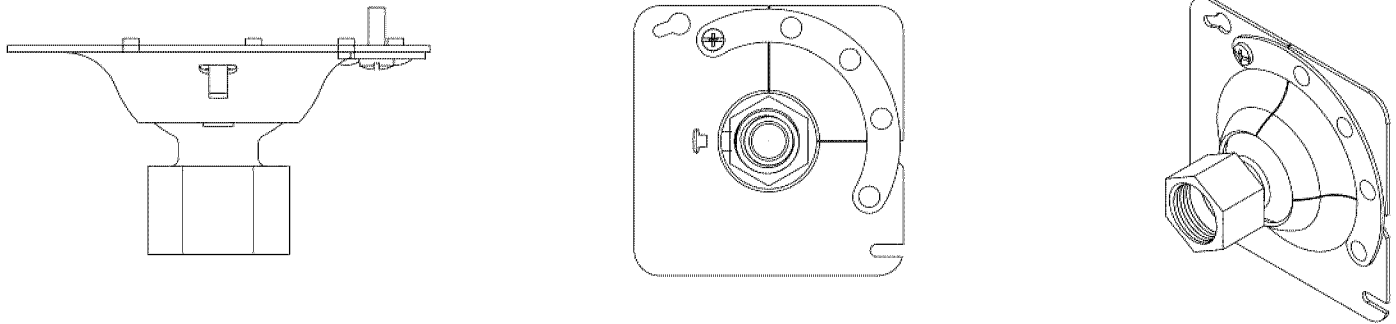
The UL924 Xpoint Wireless Light Controllers are designed to provide fully tuned light output for 90 minutes following power loss (also referred to as "Egress Mode"), ignoring both manual and automatic dimming/occupancy/daylight control signals during this time. The device resumes normal dimming controls after 90 minutes.

COVERAGE PATTERN

8-15 ft. mounting: MASL, MASL3FCV924, MASL3FC3V, XAD MASL and XAD924 MASL
 15-30 ft. mounting: MASH, MASH3FCV924, MASH3FC3V, XAD MASH and XAD924 MASH

PENDANT MOUNT OPTION WITH SWIVEL KIT

Included with mounting option PSM and mounts to 4" square electrical box.



BIRD SHROUD ACCESSORY

