

# BANK OF AMERICA LIGHTING UPGRADE PROGRAM

NJ6-280
560 VALLEY ROAD
MONTCLAIR TOWNSHIP
ESSEX COUNTY, NEW JERSEY



SOURCE: AERIAL MAP OBTAINED FROM GOOGLE EARTH PRO, RETREIVED ON 03/07/2023

AERIAL VIEW
I" = 50' ±



Rutherford, NJ · New York, NY · Boston, MA
Princeton, NJ · Tampa, FL · Detroit, MI
www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070 Phone 201.340.4468 · Fax 201.340.4472

# SHEET INDEX DRAWING TITLE SHEET # COVER SHEET CI EXISTING CONDITIONS PLAN C2 OVERALL LIGHTING PLAN C3 SECURITY LIGHTING PLAN C4 NOTES & DETAILS C5 DETAILS C6-C7

### BANK OF AMERICA

# Lighting Upgrades Montclair, New Jersey

NJ6-280 560 Valley Road Montclair Township Essex County, New Jersey



Rutherford, NJ · New York, NY · Boston, MA Princeton, NJ · Tampa, FL · Detroit, MI www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070 Phone 201.340.4468 · Fax 201.340.4472



P.O. Box 645, Rockwall, Texas 75087 www.gmr1.com Office: (972) 771-6038 FAX: (972) 722-2762

$\perp \wedge$	•	Data O lassa Dassat	- 4.9	D	Ch a ala
	1ssue 01	Date & Issue Descrip	otion	By TP	<u>Check</u> JR
-	UI			IF	JIN
		PER GMR V1			
-					
			IAKE MOI	)EST()\	// PE
			JAKE MOI NEW JERSEY	LICENSE N	o. 56119
			LICENSED PROF	ESSIONAL I	ENGINEER
		TP	JR		
		DRAWN BY	CHECKE	D BY	
		<b>A</b>			
		STC	NEFIEL	.D	
			ring & design, II		
SCAL		(11)	I" - FO' +		
SCAL	E:	(H)	I" = 50' ±		
	ECT ID	: RUT-22	0516		
TITLE	<b>≣:</b>				
		COVER	R SHEET		
SHEE	T:				
			<b>`</b> I		



**DESCRIPTION** 

CONCRETE SIDEWALK / MAT ASPHALT / CONCRETE CURB

ADJACENT PROPERTY LINE

CHAIN LINK FENCE BOARD-ON-BOARD FENCE

MAST ARM LIGHT POLE

**GUIDE RAIL** 

LIGHT POLE SIGNS

WATER VALVE

FIRE HYDRANT

MONITORING WELL

SIAMESE CONNECTION

BOX (ELEC, GAS, ETC.) EDGE OF PAVEMENT OVERHEAD WIRE

UNDERGROUND GAS LINE UNDERGROUND WATER LINE UNDERGROUND ELEC LINE

AIR CONDITIONING UNIT

DECIDUOUS TREE - DIAMETER NOTED CONIFEROUS TREE - DIAMETER NOTED PINE TREE - DIAMETER NOTED

PAY METER ELEC METER GAS METER WATER METER

BIKE RACK CLEAN OUT

LIGHT ON BUILDING

FIRE DEPARTMENT CONNECTION

GAS VALVE

INLET MAN HOLE **BOLLARDS** 

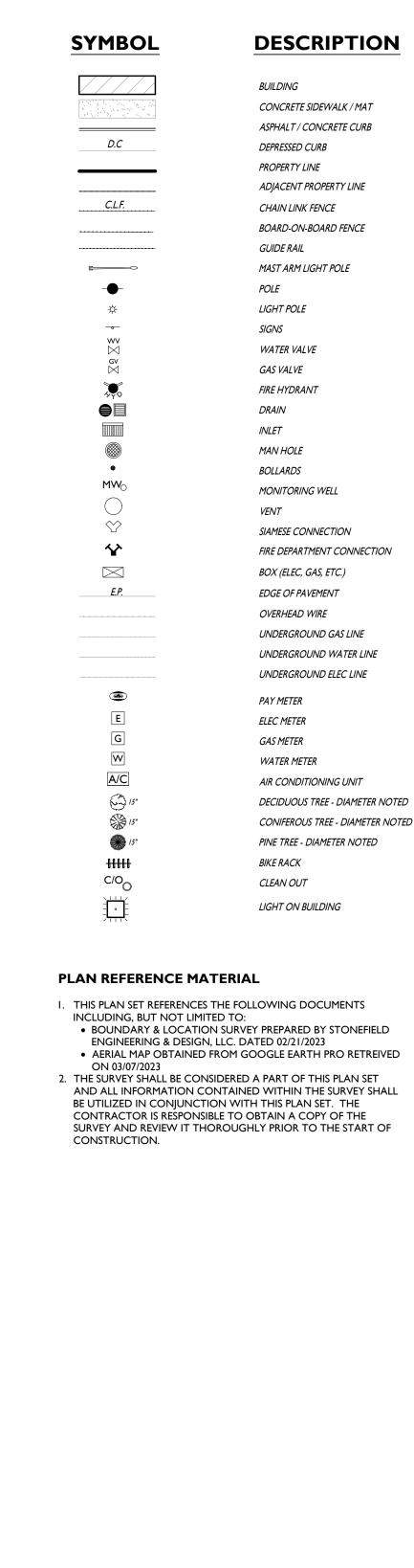
**VENT** 

POLE

BUILDING

DEPRESSED CURB PROPERTY LINE

#### LEGEND



M "+0,07.88 N

### BANK OF AMERICA

# Lighting Upgrades Montclair, New Jersey

NJ6-280 560 Valley Road Montclair Township Essex County, New Jersey



Rutherford, NJ · New York, NY · Boston, MA Princeton, NJ · Tampa, FL · Detroit, MI www.stonefieldeng.com

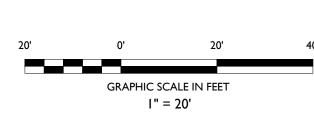
Headquarters: 92 Park Avenue, Rutherford, NJ 07070 Phone 201.340.4468 · Fax 201.340.4472

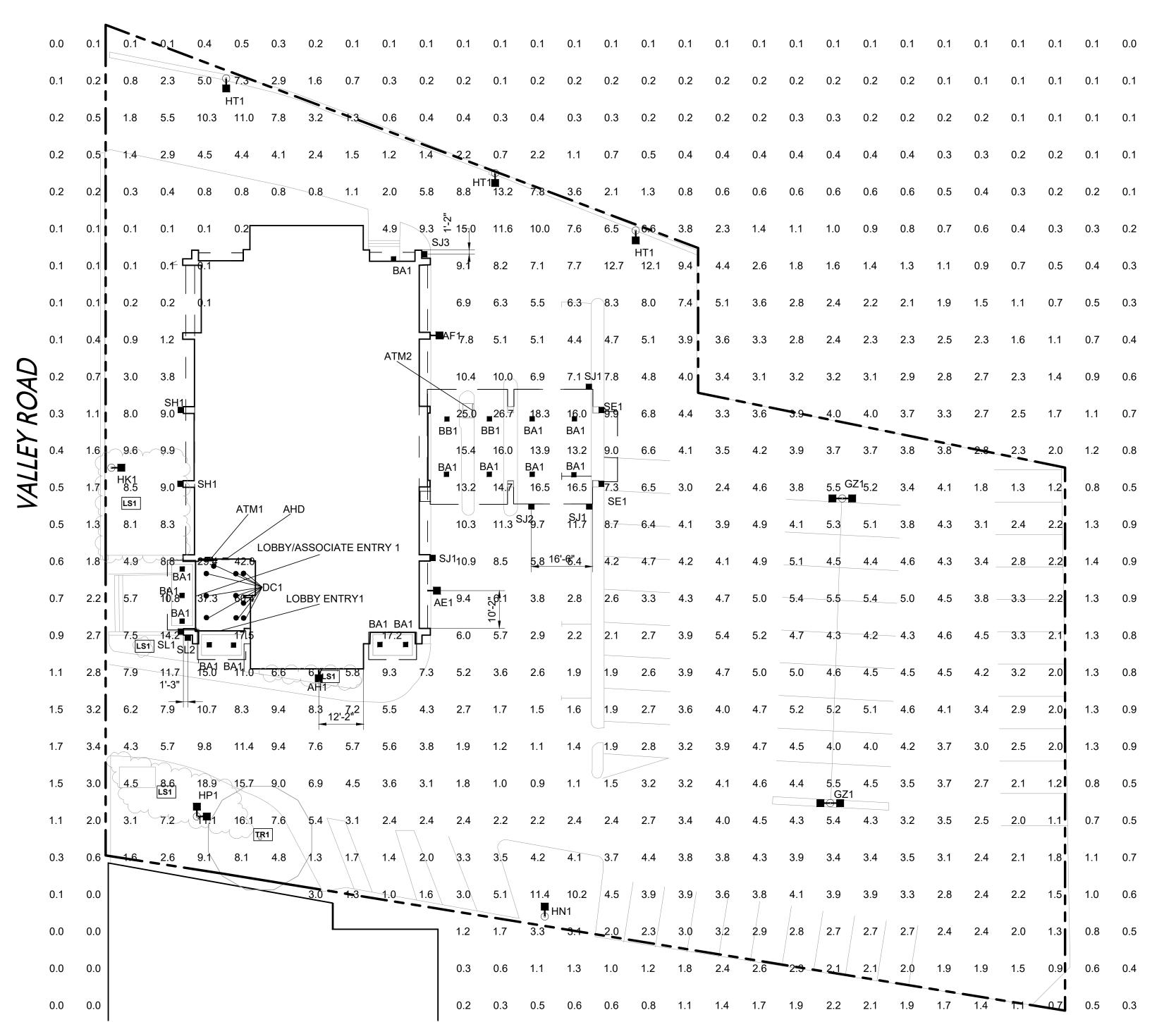


Facility Data and Design. Optimized.

P.O. Box 645, Rockwall, Texas 75087 www.gmr1.com Office: (972) 771-6038 FAX: (972) 722-2762

☐ Issue	Date & Issue Descript	ion	Ву	Check
01	03/09/2023		TP	JR
	PER GMR V1			
		JAKE MODE NEW JERSEY LIC	STOV	V, P.E.
		NEW JERSEY LIC	ENSE NO SIONAL E	o. 56119 Engineer
	ТР	JR		
			DV/	
	DRAWN BY	CHECKED	BA	
	$\triangle$ CTO	NICEICI I	_	
		NEFIEL	)	
	engineerii	ng & design, Ilc.		
SCALE:	(H) I" =	20'		
PROJECT ID:	RUT-220!	516		
TITLE:				
EXI	STING CON	DITIONS	PL.	AN
SHEET:				







*SEE F	IXTURE	CLAR	IFICATION NOTE #9**		LUMINAIRE SCHEDULE	**CONTRACTOR TO	VERIFY MOUNT	ING ACCESSORIES B	EFORE ORDERING**		
YMBOL	TOTAL FIXTURE COUNT	TYPE	NEW POLE MANUFACTURES	MODEL	MODEL NUMBER	NOTES	MOUNTING HEIGHT	MOUNTING ACCESSORY	BUG RATING MOUNTING	KILOWATT PER HOUR	
	1	AE1	- CREE	AREA EDGE	ARE-EDG-4M-DA-06-E-UL-BZ-700-40K	ADD NEW FIXTURE	15' AFG	WM-DM-BZ	B3-U0-G2 WALL MOUNT	0.134	134 W
	1	AF1	- CREE	AREA EDGE	ARE-EDG-4M-DA-08-E-UL-BZ-525-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B3-U0-G2 POLE MOUNT	0.133	133 W
	1	AH1	- CREE	AREA EDGE	ARE-EDG-4M-DA-12-E-UL-BZ-525-40K	ADD NEW FIXTURE	22' AFG	WM-DM-BZ	B3-U0-G3 WALL MOUNT	0.202	202 W
	14	BA1	- CREE	CPY	CPY250-C-2L-40K7-F-UL-DM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT	-	B1-U0-G0 SURFACE CANOPY MOUNT	0.014	196 W
	2	BB1	- CREE	CPY	CPY250-C-4L-40K7-F-UL-DM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT	-	B2-U0-G1 SURFACE CANOPY MOUNT	0.031	62 W
	10	DC1	- CREE	CDR	CDR-8-ALS(2500L)-9ACK(40K)-10V5-WH-UNV	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT	-	B1-U2-G0 RECESSED CANOPY MOUNT	0.029	290 W
	4	GZ1	- CREE	OSQ	OSQ-L-B-30L-40K7-5N-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ	B5-U0-G4 POLE MOUNT	0.202	808 V
	1	HK1	- CREE	OSQ	OSQ-M-B-16L-40K7-4M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ, OSQ-BLSMF	B1-U0-G2 POLE MOUNT	0.104	104 V
	1	HN1	- CREE	OSQ	OSQ-M-B-11L-40K7-3M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ	B2-U0-G2 POLE MOUNT	0.072	72 W
	2	HP1	- CREE	OSQ	OSQ-M-B-16L-40K7-3M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ	B3-U0-G3 POLE MOUNT	0.104	208 V
	3	HT1	- CREE	OSQ	OSQ-M-B-16L-40K7-3M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ, OSQ-BLSMF	B2-U0-G2 POLE MOUNT	0.104	312 V
	2	SE1	- CREE	SECURITY EDGE	SEC-EDG-3M-WM-02-E-UL-BZ-350-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B1-U0-G1 WALL MOUNT	0.025	50 W
	2	SH1	- CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-350-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B1-U0-G1 WALL MOUNT	0.025	50 W
	3	SJ1	- CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-700-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B1-U0-G1 WALL MOUNT	0.05	150 V
	1	SJ2	- CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-700-40K	ADD NEW FIXTURE	9-9" AFG	-	B1-U0-G1 WALL MOUNT	0.05	50 W
	1	SJ3	- CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-700-40K	ADD NEW FIXTURE	10'-9" AFG	-	B1-U0-G1 WALL MOUNT	0.05	50 W
	1	SL1	- CREE	SECURITY EDGE	SEC-EDG-4M-WM-04-E-UL-BZ-700-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B2-U0-G2 WALL MOUNT	0.093	93 W
	1	SL2	- CREE	SECURITY EDGE	SEC-EDG-4M-WM-04-E-UL-BZ-700-40K	ADD NEW FIXTURE	14'-9" AFG	-	B2-U0-G2 WALL MOUNT	0.093	93 W
AND T	OTAL WA	TTAGE				-		1	-		3057

		CALCULATION SUMMARY FULL SITE								
	C	alcula	tion Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min		
	FULL SITE @ GRADE         3.2 fc         60.4 fc         0.0 fc         0.0         0.0									
	LANDSCA									
	SYMBOL	QTY	NOTE							
_	LS1	4	PROJECT EXPEDITER	TO VERIFY	Y IF LANDS	CAPING C	AN BE TRIMI	MED DOWN <sup>-</sup>	TO 36"	
	TR1	1	PROJECT EXPEDITER TO 18' AND AWAY FRO DOES NOT INTERFERE	M LIGHT F	IXTURE TO	ENSURE	THAT IT			

NOTES:

1. READINGS ARE MEASURED AT 36" (3') ABOVE GRADE.
2. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED

2. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.

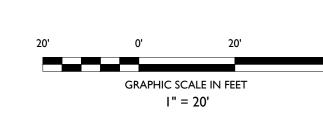
3. REFERENCE THE LUMINAIRE SCHEDULE FOR ADDITIONAL LIGHT FIXTURE INFORMATION.

4. GC TO VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION ON TREE TRIMMING AND/OR REMOVAL PRIOR TO COMMENCING WORK.

SITE NOTES: EXISTING CONDITIONS:

1. EXISTING POLES - SQUARE - STEEL
2. EXISTING POLES PASES - 11 77 21 21 21

2. EXISTING POLES - SQUARE - STEEL
2. EXISTING POLE BASES - 1'-7", 2'-2", 3', 3'-3", 3'-6"
3. EXISTING DRIVE THRU CEILING - HARD



### BANK OF AMERICA

## Lighting Upgrades Montclair, New Jersey

NJ6-280 560 Valley Road Montclair Township Essex County, New Jersey



Rutherford, NJ · New York, NY · Boston, MA
Princeton, NJ · Tampa, FL · Detroit, MI
www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070 Phone 201.340.4468 · Fax 201.340.4472



Facility Data and Design. Optimized.

P.O. Box 645, Rockwall, Texas 75087 www.gmr1.com Office: (972) 771-6038 FAX: (972) 722-2762

∠ Issue	Date & Issue Description	Ву	Check
01	03/09/2023	TP	JR
	PER GMR V1		

JAKE MODESTOW, P.E. NEW JERSEY LICENSE No. 56119 LICENSED PROFESSIONAL ENGINEER

TP	JR
DRAWN BY	CHECKED BY



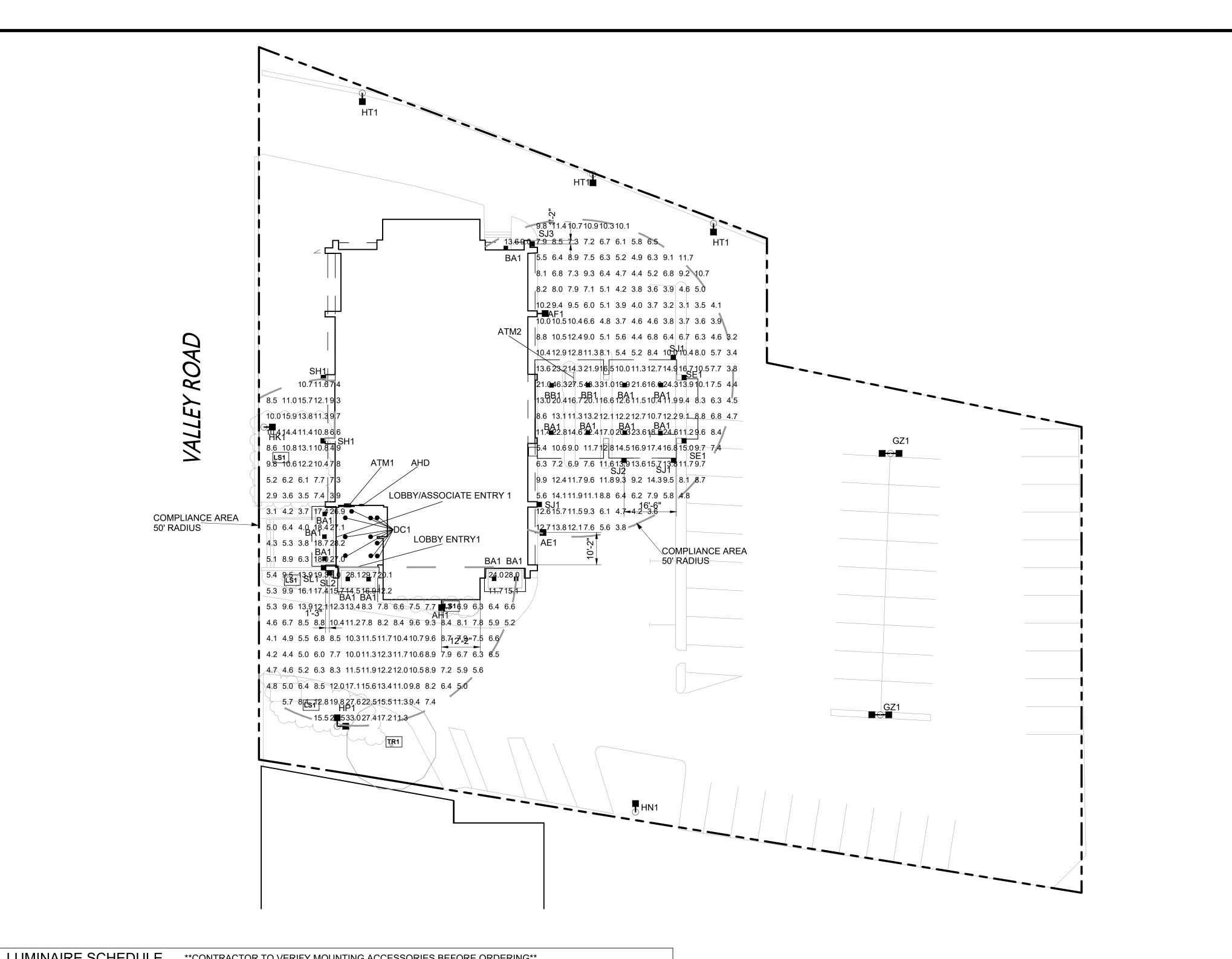
**SCALE:** (H) I" = 20'

PROJECT ID: RUT-220516
TITLE:

SHEET:



OVERALL LIGHTING PLAN



#### LIGHTING PLAN 50' @ 36"

/MBOL	TOTAL FIXTURE COUNT	TYPE	NEW POLE COUNT	MANUFACTURER	MODEL	MODEL NUMBER	NOTES	MOUNTING HEIGHT	MOUNTING ACCESSORY	, BUG RATING	MOUNTING	KILOWATT PER HOUR	
1	COUNT	AE1	-	CREE	AREA EDGE	ARE-EDG-4M-DA-06-E-UL-BZ-700-40K	ADD NEW FIXTURE	15' AFG	WM-DM-BZ	B3-U0-G2	WALL MOUNT	0.134	134 W
1		AF1	-	CREE	AREA EDGE	ARE-EDG-4M-DA-08-E-UL-BZ-525-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B3-U0-G2	POLE MOUNT	0.133	133 W
1		AH1	-	CREE	AREA EDGE	ARE-EDG-4M-DA-12-E-UL-BZ-525-40K	ADD NEW FIXTURE	22' AFG	WM-DM-BZ	B3-U0-G3	WALL MOUNT	0.202	202 W
	4	BA1	-	CREE	CPY	CPY250-C-2L-40K7-F-UL-DM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT	-	B1-U0-G0	SURFACE CANOPY MOUNT	0.014	196 W
	2	BB1	-	CREE	CPY	CPY250-C-4L-40K7-F-UL-DM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT	-	B2-U0-G1	SURFACE CANOPY MOUNT	0.031	62 W
	0	DC1	-	CREE	CDR	CDR-8-ALS(2500L)-9ACK(40K)-10V5-WH-UNV	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT	-	B1-U2-G0	RECESSED CANOPY MOUNT	0.029	290 W
	1	GZ1	-	CREE	OSQ	OSQ-L-B-30L-40K7-5N-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ	B5-U0-G4	POLE MOUNT	0.202	808 W
1		HK1	-	CREE	OSQ	OSQ-M-B-16L-40K7-4M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ, OSQ-BLSMF	B1-U0-G2	POLE MOUNT	0.104	104 W
1		HN1	-	CREE	OSQ	OSQ-M-B-11L-40K7-3M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ	B2-U0-G2	POLE MOUNT	0.072	72 W
2	2	HP1	-	CREE	OSQ	OSQ-M-B-16L-40K7-3M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ	B3-U0-G3	POLE MOUNT	0.104	208 W
	3	HT1	-	CREE	osq	OSQ-M-B-16L-40K7-3M-UL-NM-BZ	REPLACE EXISTING FIXTURE	MATCH EXISTING	OSQ-ML-B-DA-BZ, OSQ-BLSMF	B2-U0-G2	POLE MOUNT	0.104	312 W
2	2	SE1	-	CREE	SECURITY EDGE	SEC-EDG-3M-WM-02-E-UL-BZ-350-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B1-U0-G1	WALL MOUNT	0.025	50 W
	2	SH1	-	CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-350-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B1-U0-G1	WALL MOUNT	0.025	50 W
3	3	SJ1	-	CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-700-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B1-U0-G1	WALL MOUNT	0.05	150 W
		SJ2	-	CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-700-40K	ADD NEW FIXTURE	9-9" AFG	-	B1-U0-G1	WALL MOUNT	0.05	50 W
		SJ3	-	CREE	SECURITY EDGE	SEC-EDG-4M-WM-02-E-UL-BZ-700-40K	ADD NEW FIXTURE	10'-9" AFG	-	B1-U0-G1	WALL MOUNT	0.05	50 W
		SL1	-	CREE	SECURITY EDGE	SEC-EDG-4M-WM-04-E-UL-BZ-700-40K	REPLACE EXISTING FIXTURE	MATCH EXISTING	-	B2-U0-G2	WALL MOUNT	0.093	93 W
		SL2		CREE	SECURITY EDGE	SEC-EDG-4M-WM-04-E-UL-BZ-700-40K	ADD NEW FIXTURE	14'-9" AFG	_	B2 LID G2	WALL MOUNT	0.093	93 W

CALCULATIO	N SUMMA	RY COMPL	LIANCE		
Calculation Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min
ALL UNITS 50' @ 36"	10.4 fc	46.3 fc	2.9 fc	3.5	15.8

TOTAL			
FIXTURE			MOUNTING
COUNT	TYPE	NOTES	HEIGHT
1	AE1	ADD NEW FIXTURE	15' AFG
1	AF1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	AH1	ADD NEW FIXTURE	22' AFG
14	BA1	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT
2	BB1	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT
10	DC1	REPLACE EXISTING FIXTURE	MATCH EXISTING CANOPY HEIGHT
4	GZ1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	HK1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	HN1	REPLACE EXISTING FIXTURE	MATCH EXISTING
2	HP1	REPLACE EXISTING FIXTURE	MATCH EXISTING
3	HT1	REPLACE EXISTING FIXTURE	MATCH EXISTING
2	SE1	REPLACE EXISTING FIXTURE	MATCH EXISTING
2	SH1	REPLACE EXISTING FIXTURE	MATCH EXISTING
3	SJ1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	SJ2	ADD NEW FIXTURE	9-9" AFG
1	SJ3	ADD NEW FIXTURE	10'-9" AFG
1	SL1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	SL2	ADD NEW FIXTURE	14'-9" AFG

NOTES: 1. THE

THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
ALL PROPOSED LIGHTS WILL BE FULL CUTOFF LED LIGHT FIXTURES.
ALL EXISTING LIGHTS WILL BE REPLACED WITH FULL CUT OFF LED LIGHT FIXTURES.

LIGHT FIXTURES.

REFERENCE THE LUMINAIRE SCHEDULE (SHEET LU-2) FOR ADDITIONAL LIGHT FIXTURE INFORMATION.

20' 0' 20'

GRAPHIC SCALE IN FEET

I" = 20'

### BANK OF AMERICA

# Lighting Upgrades Montclair, New Jersey

NJ6-280 560 Valley Road Montclair Township Essex County, New Jersey



Rutherford, NJ · New York, NY · Boston, MA
Princeton, NJ · Tampa, FL · Detroit, MI
www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070 Phone 201.340.4468 · Fax 201.340.4472



P.O. Box 645, Rockwall, Texas 75087 www.gmr1.com Office: (972) 771-6038 FAX: (972) 722-2762

		D / 0.1	<b>.</b>		_	
	Issue 01	03/09/2023	ue Descripti	on	By TP	Check JR
	<u> </u>	PER GMR				
				JAKE MOD NEW JERSEY I	D <b>ESTO\</b> LICENSE N	N, P.E.
				LICENSED PROF	ESSIONAL I	ENGINEER
		DRAWN	N BY	JR CHECKEI	D BY	
				NEFIEL		
			engineerir	ng & design, Ilo	:. 	
SCAL	.E:		(H) I" = 2	20'		
PROI	ECT ID	):	RUT-2205	516		
TITL						
	CI		רא ו וכ	HTING	DI A	N
	31					• •

SHEET:

#### LIGHT INSTALLATION NOTES

#### CONTRACTOR RESPONSIBILITY NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING, INCLUDING COORDINATION WITH THE LOCAL JURISDICTION AND ANY ASSOCIATED PERMIT FEES OR PROCESSING. CONTRACTOR SHALL NOTIFY GMR AND STONEFIELD ENGINEERING UPON RECEIPT OF PERMIT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING DOCUMENTS THAT ARE NOT INCLUDED IN THE LIGHTING DESIGN PACKAGE. THESE INCLUDE, BUT ARE NOT LIMITED TO, STAMPED ELECTRICAL DRAWINGS, STAMPED POLE BASE DRAWINGS, AND PROFESSIONAL SURVEYS.
- CONTRACTOR SHALL PROVIDE THE BANKING CENTER NOTIFICATION AT LEAST ONE WEEK IN ADVANCE OF VISITING SITES OR STARTING WORK. CONTRACTOR SHALL VERIFY VOLTAGE REQUIREMENTS FOR FIXTURES PRIOR
- TO PLACEMENT OF FIXTURE ORDERS. CONTRACTOR TO VERIFY LIGHTING CONTROLS PRIOR TO BEGINNING
- CONSTRUCTION, SEE LIGHTING CONTROL NOTES. CONTRACTOR SHALL RECEIVE FORMAL APPROVAL FROM GMR AND
- STONEFIELD ENGINEERING ON ANY FIXTURE MODIFICATIONS OR VARIATIONS FROM THE LUMINAIRE SCHEDULE. CONTRACTOR SHALL VERIFY EXISTING AND PROPOSED FIXTURE MOUNTING CONDITIONS IN FIELD. ANY SPECIAL MOUNTING HARDWARE NEEDED FOR PROPOSED FIXTURES SHALL BE THE RESPONSIBILITY OF THE
- CONTRACTOR. CONTRACTOR SHALL SUPPLY ALL NEW LIGHT POLES. NEW LIGHT POLES SHALL MATCH EXISTING CONDITIONS ON SITE FOR POLE TYPE AND PAINT
- CONTRACTOR SHALL ORDER ALL FIXTURES FROM BORDER STATES IN ACCORDANCE WITH BANK OF AMERICA NATIONAL ACCOUNT. CONTACT ACCOUNT OUOTES NATIONAL DEPARTMENT
- BOA@BORDERSTATES.COM OR 704-372-3040. 10. CONTRACTOR SHALL PERFORM ALL NECESSARY PATCHING OR REPAINTING FOR ADDED, REMOVED, OR REPLACED FIXTURES.
- CONTRACTOR SHALL REPAIR ANY DISTURBED AREAS BACK TO EXISTING CONDITION INCLUDING PAVED AREAS, LANDSCAPED AREAS, ETC.
- 12. CONTRACTOR SHALL VERIFY AND DOCUMENT COMPLETED WORK DURING NIGHT HOURS. ALL FIXTURES MUST BE FUNCTIONAL DURING NIGHT HOURS PRIOR TO SCHEDULING A FINAL SURVEY WITH GMR.
- 3. CONTRACTOR SHALL PROVIDE BEFORE AND AFTER NIGHT TIME PHOTOS OF THE SITE. 14. CONTRACTOR SHALL UTILIZE THE "BOA ELP INCENTIVE SITE SURVEY FORM"
- TO DOCUMENT THE EXACT DETAILS OF EACH FIXTURE BEING REMOVED FOR REBATE AND ENERGY SAVINGS CALCULATION PURPOSES. 5 CONTRACTOR SHALL RECEIVE A PLINCHLIST FROM GMR AND STONEFIELD ENGINEERING UPON FINAL SURVEY FOR ANY REMAINING ITEMS TO BE

T (800) 236-6800 F (262) 504-5415

US: lighting.cree.com

#### LIGHITNG CONTROL NOTES:

THE CONTRACTOR SHALL VERIFY THE CONTROLS FOR ALL EXTERIOR LIGHTING ON THE SITE (EXCLUDING SIGNAGE) AND ADJUST ACCORDING TO THE FOLLOWING:

- IC3 CONTROL CONTRACTOR SHALL VERIFY THAT EXTERIOR LIGHTING CIRCUITS ARE CONTROLLED BY THE CORRECT IC3 CIRCUIT. WHERE EXTERIOR LIGHTING IS INCLUDED ON CONTROL CIRCUITS FOR INTERIOR SYSTEMS, INTERIOR LIGHTING, OR EXTERIOR SIGNAGE, CONTRACTOR SHALL ADJUST EXTERIOR LIGHTING TO THE CORRECT CONTROL CIRCUIT AS
- PHOTOCELL CONTROL:
- CONTRACTOR SHALL REPLACE EXISTING PHOTOCELLS WITH NEW AND INSTALL IN A LOCATION BEST SUITED TO PROVIDE APPROPRIATE LIGHT EXPOSURE SUCH THAT EXTERIOR LIGHTS ARE ON DURING DARKNESS. • TIME CLOCK CONTROL:
- CONTRACTOR SHALL VERIFY LOCATION OF TIME CLOCK. IF TIME CLOCK IS IN ELECTRICAL ROOM ALONG WITH IC3 CONTROLS, CONTRACTOR SHALL ADJUST CIRCUIT TO BE CONTROLLED BY IC3 EXTERIOR LIGHTING CONTROLS. IF TIME CLOCK IS IN A REMOTE LOCATION NOT IN CLOSE PROXIMITY TO THE IC3 CONTROLS, CONTRACTOR SHALL VERIFY TIME CLOCK IS SET PROPERLY AND LEAVE CIRCUIT ON TIME CLOCK
- MANUAL CONTROL:

CONTROL.

CONTRACTOR SHALL VERIFY THAT NO EXTERIOR LIGHTING IS CONTROLLED MANUALLY. IF ANY EXTERIOR LIGHTING IS ON A MANUALLY CONTROLLED CIRCUIT, CONTRACTOR SHALL ADJUST TO BE CONTROLLED BY PHOTOCELL OR IC3, WHICHEVER IS MOST ECONOMICALLY ACCOMPLISHED.

#### ADDITIONAL CONTRACTOR NOTES:

CONSTRUCTION COMPLETION VERIFICATION UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE VERIFICATION IN WRITING TO THE BANK OF AMERICA PIM THAT ALL WORK IS COMPLETE ACCORDING TO THE CONSTRUCTION DOCUMENTS. AND THAT ALL EXTERIOR LIGHTING IS FUNCTIONING DURING NIGHTTIME HOURS. COMPLETION PHOTOS, TAKEN AT NIGHT, SHALL BE PROVIDED IN THE

- PROVIDE A SINGLE DOCUMENT CONTAINING THE FOLLOWING:
- SITE PHOTOS FROM ALL SIDES OF BUILDING • MINIMUM OF 3 PHOTOS OF EACH COMPLIANCE AREA (ATM(S),
- AFTER-HOUR DEPOSITORIES, ASSOCIATE ENTRY) FROM DIFFERENT • MINIMUM OF 2 PHOTOS OF ALL NON-COMPLIANCE AREAS FROM
- DIFFERENT ANGLES

#### GC SCHEDULING

**FOLLOWING FORMAT:** 

- PROHIBITED WORK HOURS: WORK IS PROHIBITED MONDAY THROUGH FRIDAY FROM 8 A.M. TO 4 P.M. AND ON SATURDAY FROM 8 A.M. TO 1 P.M. LOCAL MUNICIPALITY REQUIREMENTS AND INSPECTION PROCESS TAKE PRECEDENCE AND SHOULD BE COORDINATED PRIOR TO STARTING
- PROVIDE PROGRAM SCHEDULE, COORDINATED SCHEDULE WITH ALL AWARDED SITES. SCHEDULE SHOULD INCLUDE CREW ASSIGNMENTS AND CONTINGENCIES FOR DELAYS.
- INCLUDE CONSTRUCTION KICKOFF MEETING WITH FINANCIAL CENTER MANAGER, CBRE MOBILE ENGINEER, AND CBRE FACILITY MANAGER.
- PROVIDE TRENCH SKETCH FOR REVIEW.
- IF IMPACT TO THE DRIVE THRU LANE, DETAILED DATES OF WORK INCLUDED IN SCHEDULE.

#### **GENERAL NOTES:**

- I. EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON A LIMITED AMOUNT OF INFORMATION AVAILABLE TO THE ENGINEER. ALL SUCH CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING THE BID AND ADJUSTED IF NECESSARY. NO ADDITIONAL COMPENSATION SHALL BE GRANTED AFTER AWARDING A BID FOR ANY EQUIPMENT, MATERIAL OR LABOR REQUIRED TO REWORK OR OTHERWISE MODIFY EXISTING CONDITIONS.
- THIS LIGHTING DESIGN IS BASED ON A COMBINATION OF STATE STANDARDS, THE BANK'S CURRENT SECURITY POLICY FOR EXTERIOR ATM AND AFTER-HOUR DEPOSITORIES AND BANK GUIDELINES FOR NON-SECURITY COMPLIANCE ZONES.
- 3. TRIM ALL TREES/LANDSCAPING TO MINIMIZE IMPEDING LIGHT FROM ANY LIGHT FIXTURES THAT IMPACT THE 60' RADIUS AROUND ALL ATMS AND A RADIUS OF 50' AROUND ALL AFTER-HOUR DEPOSITORIES. CONSIDERATION MUST BE GIVEN TO TREES/LANDSCAPING IN A STATE OF FULL FOLIAGE/BLOOM AND FUTURE GROWTH. ALL LANDSCAPING WORK WILL BE PERFORMED BY OTHERS WITH A SEPARATE PERMIT (IF REQUIRED).
- ALL MOUNTING HEIGHTS ARE INTENDED TO THE BOTTOM OF THE FIXTURE 5. CONTRACTOR TO FIELD VERIFY FIXTURE PLACEMENT DIMENSIONS PRIOR TO
- 6. DIMENSIONING PROVIDED IS FOR PROPOSED FIXTURE LOCATIONS ONLY, UNLESS OTHERWISE NOTED ON THE DRAWING.

THE CONTRACTOR SHALL ATTEMPT TO ELIMINATE THE USE OF EXPOSED

- CONDUIT WHERE POSSIBLE. IF EXPOSED CONDUIT IS NECESSARY, THE CONTRACTOR SHALL VERIFY USE WITH PROJECT MANAGER. 8. ALL EXISTING LIGHTS WILL BE REPLACED WITH LED LIGHTS AND ALL
- PROPOSED LIGHTS WILL ALSO BE LED. UNLESS OTHERWISE NOTED. ALL FIXTURES ARE TO BE MOUNTED ABOVE FINISH GRADE. 10. UNLESS OTHERWISE NOTED, MATCH EXISTING POLE BASES.

#### FIXTURE CLARIFICATION NOTES:

AND PERFORMED BY CONTRACTOR.

- I. OUT OF SCOPE EXISTING FIXTURES TO REMAIN ON SITE WITHOUT MODIFICATION. NO ACTION REQUIRED UNLESS NOTED OTHERWISE. REMOVE AND PATCH - EXISTING FIXTURES TO BE FULLY REMOVED AND ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED
- 2. REPLACE EXISTING FIXTURE EXISTING FIXTURE TO BE FULLY REMOVED AND REPLACED IN THE SAME LOCATION WITH A NEW FIXTURE. CONTRACTOR TO VERIFY IF POLE AND/OR POLE BASE IS SUFFICIENT FOR THE NEW FIXTURES. ANY PAINTING. PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY CONTRACTOR.
- ADD NEW FIXTURE NEW FIXTURES TO BE ADDED. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED TO BE ASSESSED AND PERFORMED BY CONTRACTOR
- 4. ADD NEW POLE & FIXTURE A NEW POLE AND FIXTURE TO BE ADDED. CONTRACTOR TO SPECIFY POLE TO MATCH EXISTING STYLE AND COLOR AND, IF NOT PROVIDED, POLE BASE DATA FOR NEW POLE LOCATIONS. CONTRACTOR TO VERIFY IF POLE AND POLE BASE IS SUFFICIENT FOR THE HEIGHT, LOCATION AND FIXTURE SPECIFIED.
- 5. GMR AND STONEFIELD ENGINEERING DO NOT SPECIFY MOUNTING HARDWARE FOR ANY SPECIFIED FIXTURES. CONTRACTOR IS TO WORK WITH DISTRIBUTOR AND/OR MANUFACTURER ON A CASE BY CASE BASIS TO IDENTIFY AND ORDER REQUIRED MOUNTING HARDWARE.
- 6. CONTRACTOR TO VERIFY WHETHER EXISTING WIRING LOCATIONS OR THE ADDITION OF WIRING FOR NEW FIXTURE LOCATIONS IS SUFFICIENT FOR THE DESIGNATED FIXTURE LOCATION.
- CONTRACTOR TO SPECIFY POLE COLOR AND TYPE PRIOR TO ORDERING. 8. ALL FIXTURES ARE ASSUMED BRONZE IN COLOR UNLESS NOTED OTHERWISE IN THE LUMINAIRE SCHEDULE. CONTRACTOR TO CONFIRM PRIOR TO ORDERING

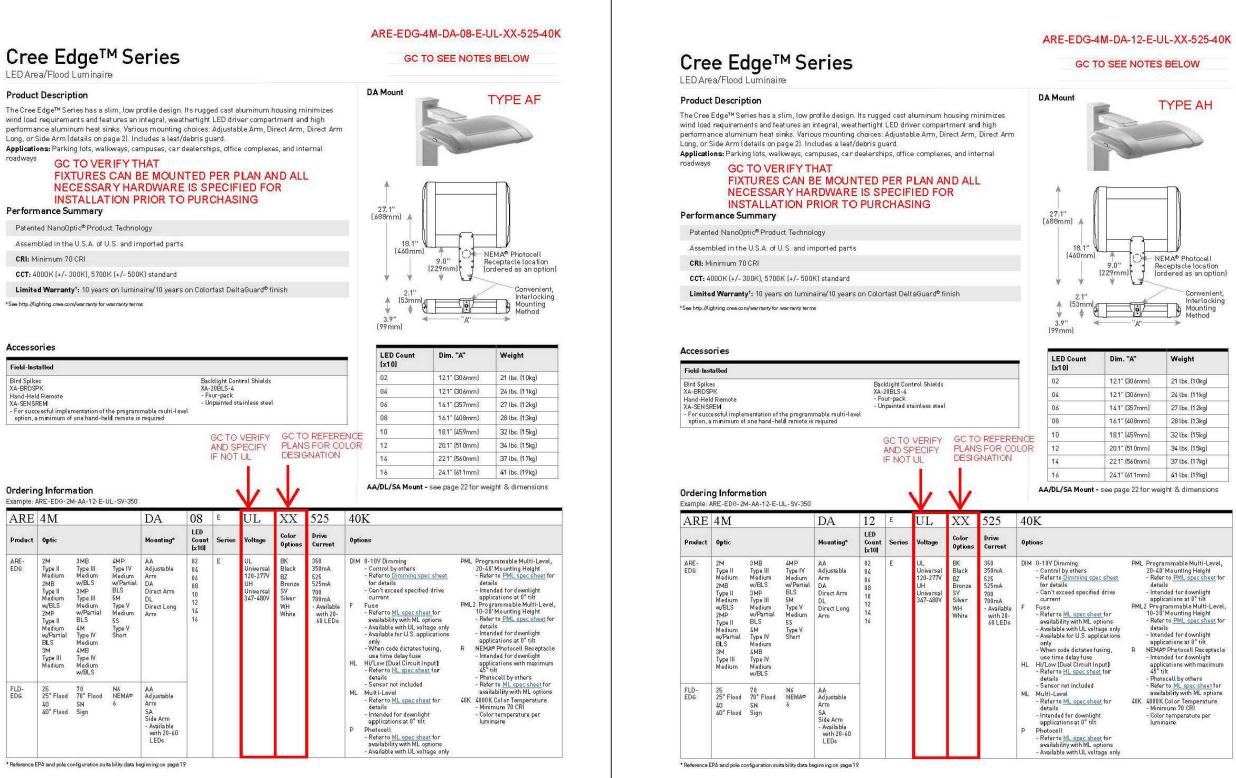
Rev. Date: V7 R1 10/02/2018

T (800) 473-1234 F (800) 890-7507

#### ARE-EDG-4M-DA-06-E-UL-XX-700-40K Cree Edge™ Series GC TO SEE NOTES BELOW LED Area/Flood Luminaire **Product Description** TYPE AE The Cree Edge™ Series has a slim, low profile design. Its rugged cast aluminum housing mil wind load requirements and features an integral, weathertight LED driver compartment and high erformance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm ong, or Side Arm (details on page 2). Includes a leaf/debris guard. pplications: Parking lots, walkways, campuses, candealerships, office complexes, and internal GC TO VERIFY THAT FIXTURES CAN BE MOUNTED PER PLAN AND ALL NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR TO PURCHASING Performance Summary Patented NanoOptic® Product Technology -63 Assembled in the U.S.A. of U.S. and imported part CRI: Minimum 70 CRI CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard Limited Warranty⁺: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish \*See http://lighting.cree.com/warranty for warranty terms 12.1" (306mm) 21 lbs. (10kg) Bird Spikes XA-BRDSPK 12.1" (306mm) 24 lbs. (11kg) 14.1" (357mm) 27 lbs. (12kg) - ror successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required 16.1" (408mm) 28 lbs. (13kg) 18.1" (459mm) 32 lbs. (15kg) GC TO VERIFY AND SPECIFY PLANS FOR COLOR DESIGNATION 20:1" (510mm). 34 lbs. (15kg) 22.1" (560mm) 37 lbs. (17kg) 24.1" (611mm) 41 (bs. (19kg) AA/DL/SA Mount - see page 22 for weight & dimensions Ordering Information ARE 4M applications at 0 till Level, 10-30' Mounting Height - Refer to PML specishest for details - Intended for downlight applications at 0' tilt NEMA'® Photocell Receptacle - Intended for downlight use time delay fuse Hi/Low [Dual Circuit Input] - Referto <u>HL spec sheet</u> for Refer to ML spec sheet for availability with ML options

ML Multi-Level
- Refer to ML spec sheet for details 25 70 N6 AA 25° Flood 70° Flood NEMA® Adjustabl 40K 4000K Color Temperatura - Minimum 70 CRI 40° Flood Sign Intended for downlight applications at 0° tilt Refer to ML spec sheet for availability with ML options T (800) 236-6800 F (262) 504-5415 US: lighting.cree.com 

CPY250-C-2L-40K7-F-UL-DM-WH



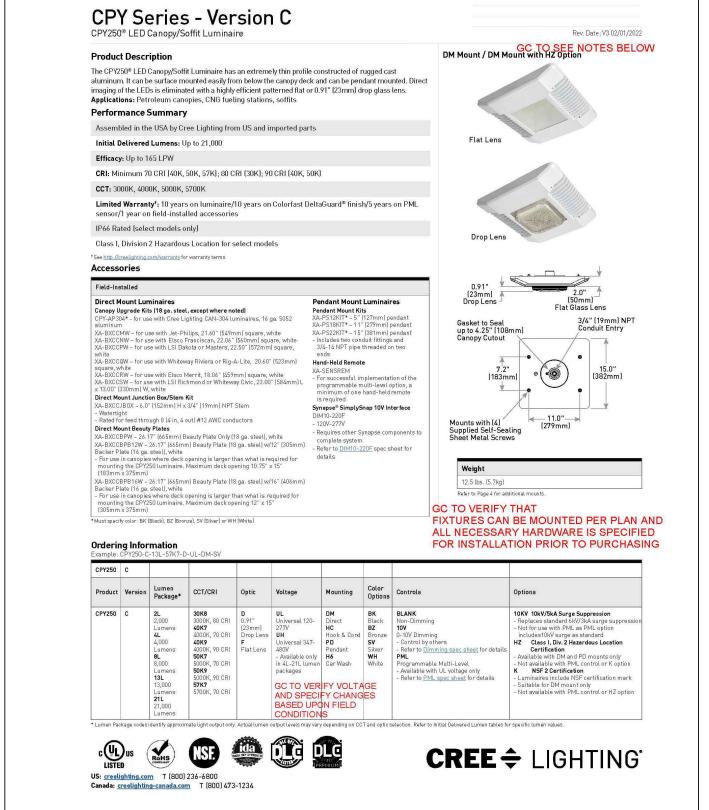
CREE 🕏

T (800) 473-1234 F (800) 890-7507

c(VL) us

T (800) 236-6800 F (262) 504-5415

US: lighting.cree.com



TYPE BA1

#### PLAN REFERENCE MATERIAL

- I. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO • EXISTING CONDITIONS PLAN PREPARED BY STONEFIELD ENGINEERING & DESIGN, LCC. DATED 02/21/2023 • ELP 2023 EXTERIOR LIGHTING PROGRAM PLAN SET ENTITLED "NJ6-280 - 560 UPPER MONTCLAIR- NJ 07043", PREPARED BY GMR AND DATED 01/23/2023
- AERIAL MAP OBTAINED FROM GOOGLE EARTH PRO DATED 03/07/2023. THE SURVEY SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THE SURVEY SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF THE SURVEY AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

- . THE CONTRACTOR SHOULD FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND PROPOSED SITE WORK (DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY EXISTING SITE CONDITION DIFFER FROM THAT IDENTIFIED HEREIN. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING IMMEDIATELY PRIOR TO THE START OF CONSTRUCTION.
- ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING, LLC. AND IT'S SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY
- INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE. . THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING.
- 4. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION. 5. ALL CONCRETE WORK SHALL CONFORM TO ACI BEST PRACTICES FOR APPROPRIATE TEMPERATURE AND WEATHER
- 6. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT
- FROM THE OWNER OF THE PRIVATE PROPERTY. 7. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS
- EXISTING CONDITION AT THE CONTRACTORS EXPENSE 8. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD WILL REVIEW IN ACCORDANCE WITH THE DESIGN INTENT AS
- 9. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- OUALITY STANDARDS. II. THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING

10. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR

12. SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING AND DESIGN LLC BE PRESENT ON-SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.

#### **DEMOLITION NOTES**

- I. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE
- THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE OTHER SITE PLAN AND GEOTECHNICAL DOCUMENTS AND ASSOCIATED REPORTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
- 3. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR OUALITY STANDARDS. 5. UNLESS AT THE WRITTEN CONSENT OF BOTH THE OWNER AND GOVERNING AGENCIES, EXPLOSIVES SHALL NOT BE USED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE,
- AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES. 6. ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT
- 7. DEMOLISHED DEBRIS SHALL NOT BE BURIED ON-SITE. ALL WASTE/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE

DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE

8. Contractor is responsible to maintain a record set of plans reflecting the location of existing UTILITIES THAT HAVE BEEN CAPPED. ABANDONED, OR RELOCATED BASED ON THE DEMOLITION REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING THE SITE PLAN IMPROVEMENTS.

- ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR
- SHALL MAINTAIN RECORDS OF ALL THE MATERIAL BROUGHT TO THE SITE. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY
- OF SURROUNDING STRUCTURES AND STABILITY OF SOILS. 3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4" TO 7" ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. CONTRACTOR TO SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
- 4. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
- CURB GUTTER: CONCRETE SURFACES: 1.00%
- ASPHALT SURFACES: 5. POSITIVE DRAINAGE OF 1% MINIMUM SLOPE SHALL BE PROVIDED AWAY FROM ALL BUILDING.

#### **EROSION AND SEDIMENT CONTROL NOTES**

- I. THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH LOCAL, STATE,
- 2. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.

#### LANDSCAPING NOTES

- I. CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS. 2. DISTURBED LAWN AREAS SHALL BE RESTORED WITH 4" OF TOPSOIL AND SEED.
- 3 MULCH AREAS SHALL BE RESTORED WITH A MINIMUM OF 3" OF MULCH 4. MAX 3:1 SLOPE ALLOWED IN LANDSCAPE RESTORATION AREAS.
- 5. CONTRACTOR REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF DISTURBANCE PRIOR TO CONSTRUCTION. CONTRACTOR TO RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS
- 6. CONTRACTOR TO RE-GRADE DISTURBED LANDSCAPED AREAS TO MEET GRADE AT WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT WHERE A WALL IS NOTED ON PLANS. NO ABRUPT CHANGES IN GRADE PERMITTED IN DISTURBED

#### **UTILITY NOTES**

. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A CONFLICT EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING AND DESIGN LLC IMMEDIATELY IN WRITING.

### BANK OF AMERICA

## Lighting Upgrades Montclair, New Jersey

NJ6-280 560 Valley Road Montclair Township Essex County, New Jersey



Rutherford, NJ · New York, NY · Boston, MA Princeton, NJ · Tampa, FL · Detroit, MI www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070 Phone 201.340.4468 · Fax 201.340.4472



Facility Data and Design. Optimized.

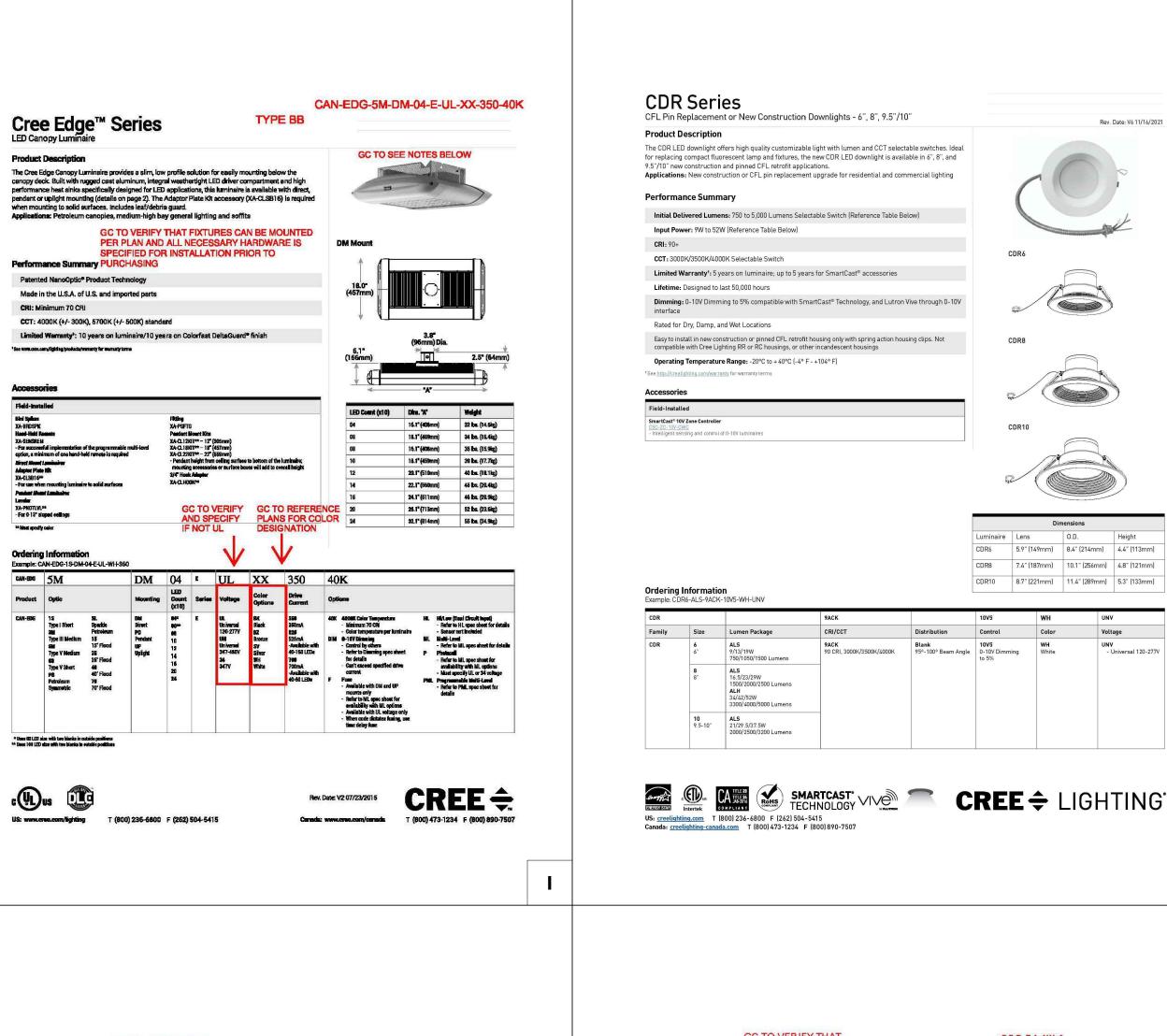
Check

P.O. Box 645, Rockwall, Texas 75087 www.gmr1.com Office: (972) 771-6038 FAX: (972) 722-2762

Issue Date & Issue Description

03/09/2023

	PER GMR V1		
		JAKE MODESTOW, P. NEW JERSEY LICENSE No. 5611' LICENSED PROFESSIONAL ENGINE	E
		LICENSED PROFESSIONAL ENGINE	FR
	ТР	JR	
	DRAWN BY	CHECKED BY	
	STO	ONEFIELD	
		ering & design, Ilc.	
SCALE:	(H)	AS SHOWN	
PROJECT ID:	RUT-2	20516	
TITLE:			
	NOTES	& DETAILS	
SHEET:			
JIILLI.		<b>~</b> [	
		<b>C5</b>	



OSQ Series

NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR TO PURCHASING

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management

and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral,

weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. The 'B' Input power designator is a suitable upgrade for

HID applications up to 250 Watt, and the 'K' Input power designator is a suitable upgrade for HID

Limited Warranty\*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

Color Options: SV Silver BK Black

T (800) 236-6800 F (262) 504-5415

Rev. Date: V18 01/17/2019

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and

OSQ™ LED Area/Flood Luminaire – Medium

Product Description

Performance Summary

Efficacy: Up to 136 LPW

CRI: Minimum 70 CRI

Accessories

Backlight Shield OSQ-BLSMF - Front facing optics OSQ-BLSMR - Rotated optics

Ordering Information

NanoOptic<sup>®</sup> Precision Delivery Grid™ optic

Initial Delivered Lumens: Up to 17,291

\*See http://lighting.cree.com/warranty for warranty terms

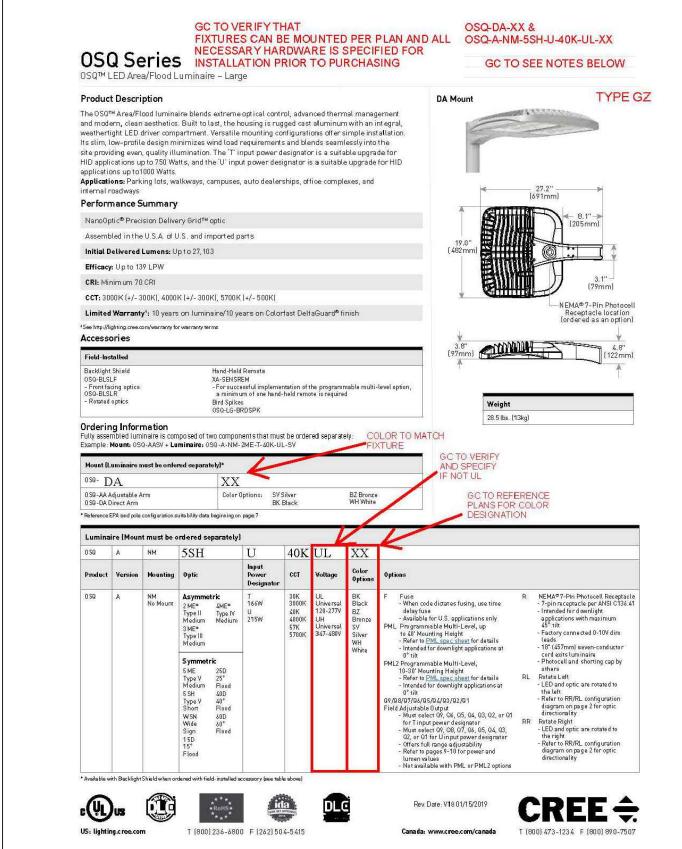
Assembled in the U.S.A. of U.S. and imported parts

CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

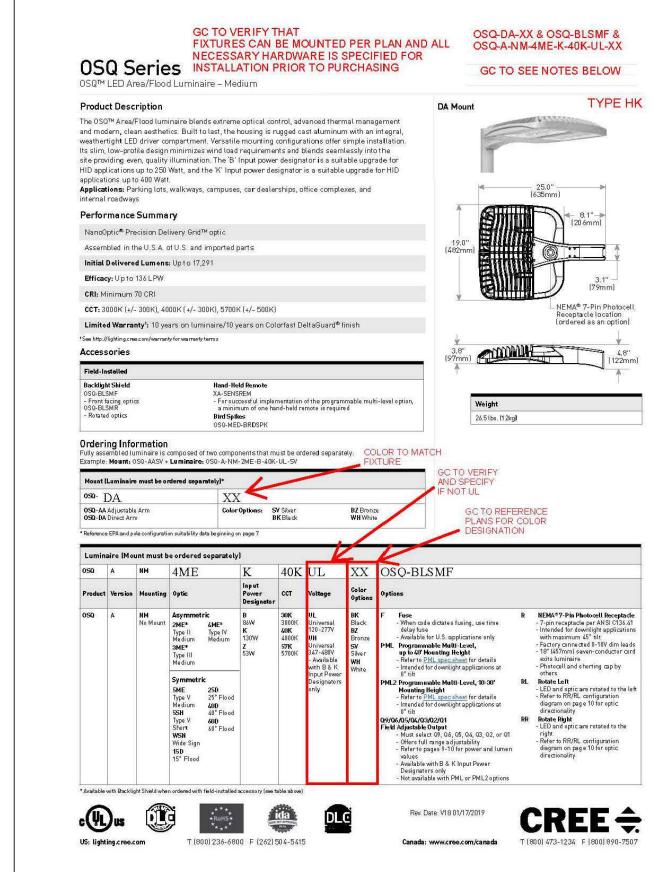
cample: **Mount:** OSQ-AASV + **Luminaire:** OSQ-A-NM-2ME-B-40K-UL-SV

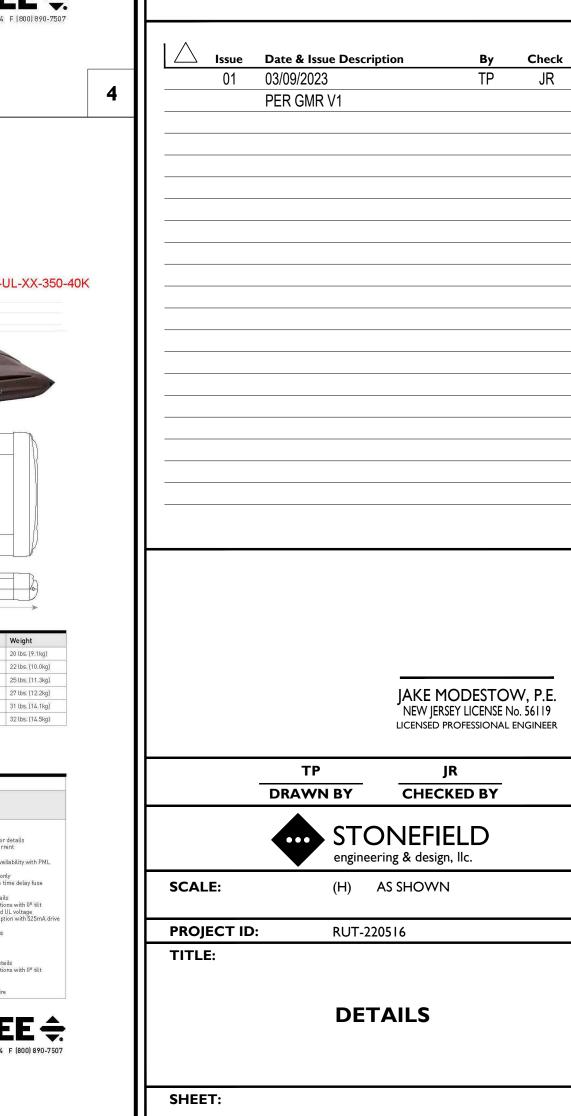
\* Reference EPA and pole configuration suitability data beginning on page 7

roduct Version Mounting Optic



Rev. Date: V6 11/16/2021





||BANK OF AMERICA

Lighting Upgrades

Montclair, New Jersey

**STONEFIELD** 

engineering & design

Rutherford, NJ · New York, NY · Boston, MA

Princeton, NJ · Tampa, FL · Detroit, MI

www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070

Phone 201.340.4468 · Fax 201.340.4472

Facility Data and Design. Optimized.

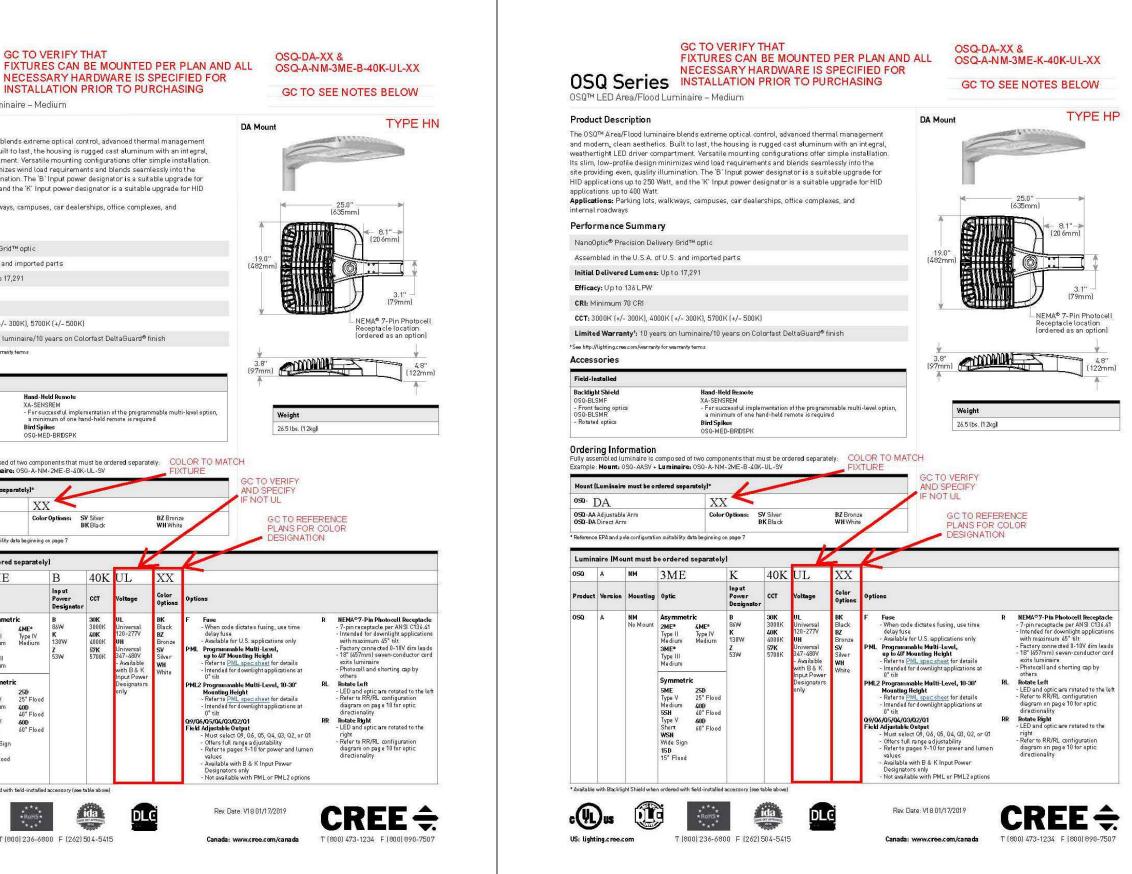
P.O. Box 645, Rockwall, Texas 75087 www.gmr1.com Office: (972) 771-6038 FAX: (972) 722-2762

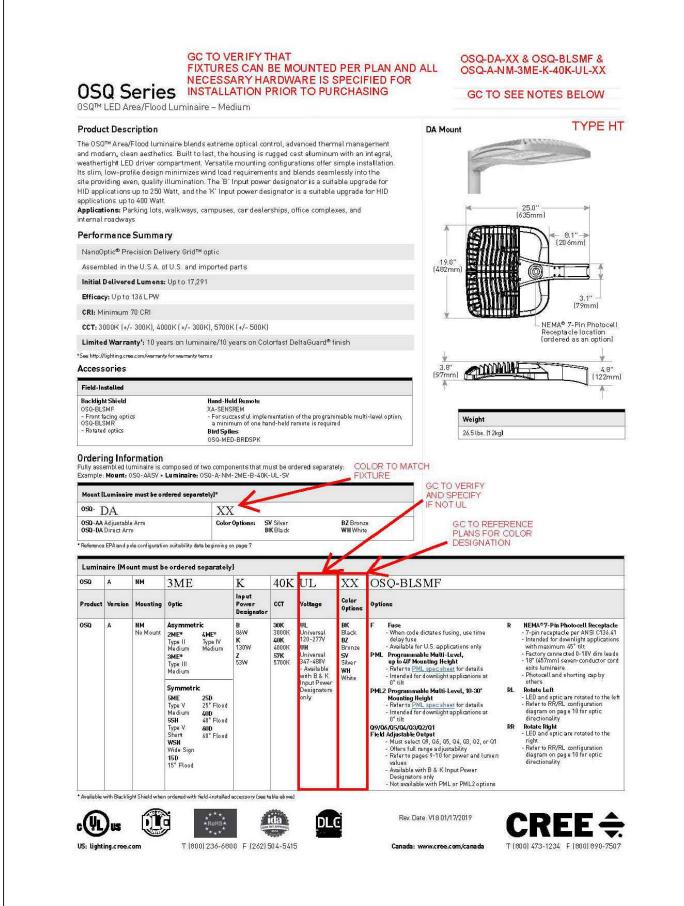
NJ6-280

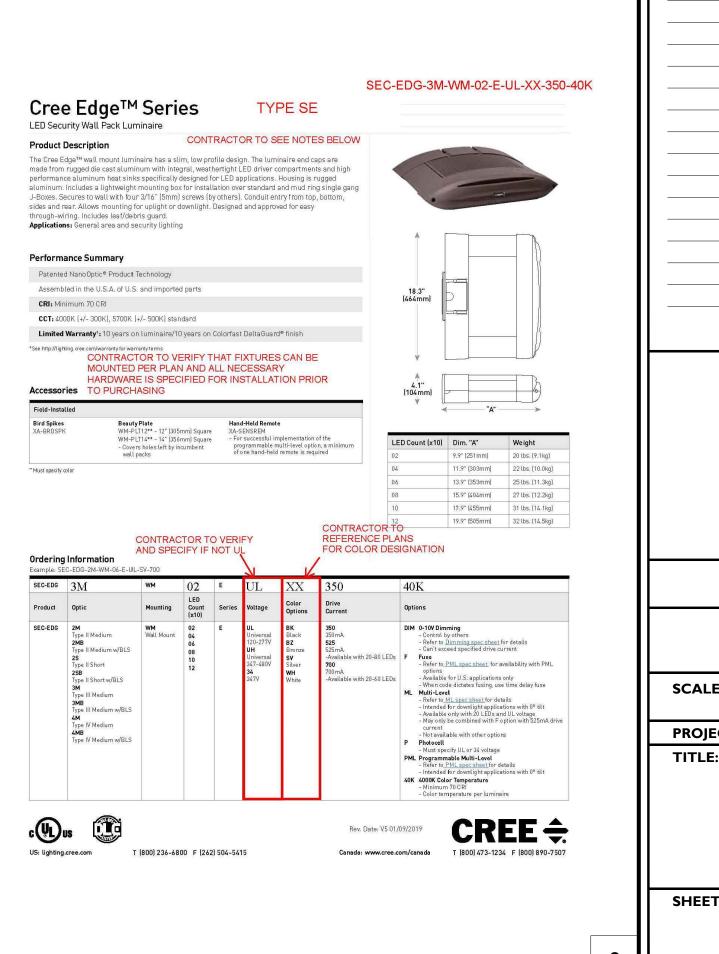
560 Valley Road

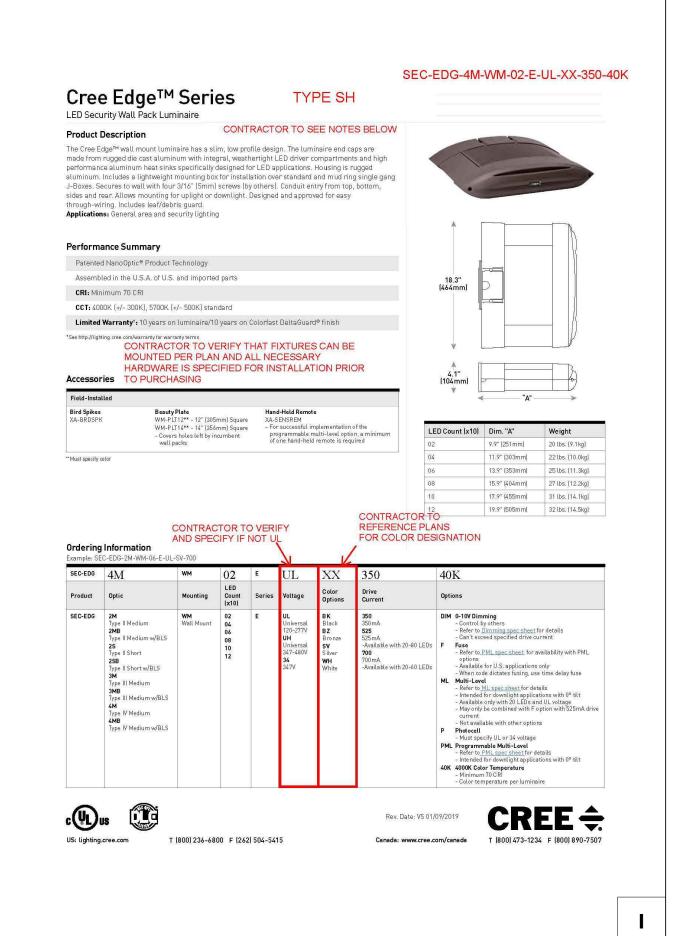
Montclair Township

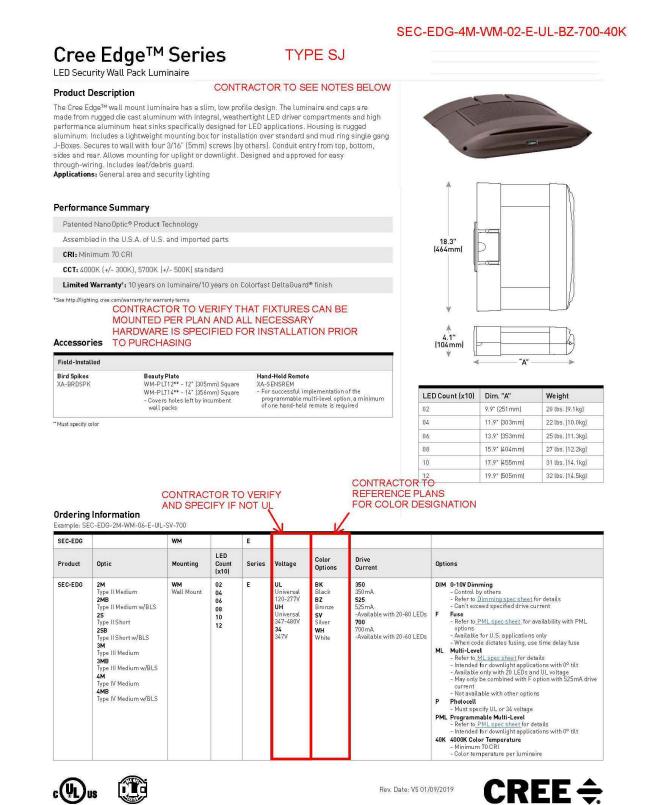
Essex County, New Jersey











#### Cree Edge™ LED Security Wall Pack Luminaire

- CONSTRUCTION & MATERIALS Slim, low profile design
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum Furnished with low copper, light weight mounting box designed for
- installation over standard and mud ring single gang J-Boxes Luminaire can also be direct mounted to a wall and surface wired
- Secures to wall with four 3/16" [5mm] screws (by others) Conduit entry from top, bottom, sides, and rear
- Allows mounting for uplight or downlight Designed and approved for easy through-wiring
- Includes leaf/debris quard Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy prime with an ultradurable powder topcoat, providing excellent resistance to
- corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and Weight: See Dimensions and Weight Chart on page 1
- ELECTRICAL SYSTEM Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- Power Factor: > 0.9 at full load • Total Harmonic Distortion: < 20% at full load Integral weathertight J-Box with leads (wire nuts) for easy power hook
- Integral 10kV surge suppression protection standard When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current Maximum 10V Source Current: 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA

#### REGULATORY & VOLUNTARY QUALIFICATIONS

US: lighting.cree.com

- Suitable for wet locations Meets FCC Part 15, Subpart B, Class A standards for conducted and
- Enclosure rated IP66 per IEC 60529 when ordered without P, PML or ML 10kV surge suppression protection tested in accordance with IEEE/ANS C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 https://www.designlights.org/search/for most current information
- Meets Buy American requirements within ARRA CA RESIDENTS WARNING: Cancer and Reproductive Harm -

T [800] 236-6800 F [262] 504-5415

	201	Total Current (A)						
LED Count (x10)	System Watts 120-480V	120V	208V	240V	277V	347V	480V	
350mA							1	
02	25	0.21	0.13	0.11	0.10	0.08	0.07	
04	46	0.36	0.23	0.21	0.20	0.15	0.12	
06	66	0.52	0.31	0.28	0.26	0.20	0.15	
08	90	0.75	0.44	0.38	0.34	0.26	0.20	
10	110	0.92	0.53	0.47	0.41	0.32	0.24	
12	130	1.10	0.63	0.55	0,48	0.38	0.28	
525mA	.,2							
02	37	0.30	0.19	0.17	0.16	0.12	0.10	
04	70	0.58	0.34	0.31	0.28	0.21	0.16	
06	101	0.84	0.49	0.43	0.38	0.30	0.22	
08	133	1.13	0.66	0.58	0.51	0.39	0.28	

 50
 0.41
 0.25
 0.22
 0.20
 0.15
 0.12

 93
 0.78
 0.46
 0.40
 0.36
 0.27
 0.20

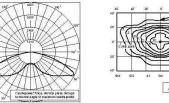
 134
 1.14
 0.65
 0.57
 0.50
 0.39
 0.29

Ambient	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Calculated <sup>3</sup> LMF	100K hr Calculated LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C [77°F]	1.00	0.97	0.95	0.94	0.92
umen maintenan uminaire ambien	ce values at 25°C ( t temperature facti	77°F) are calculated pe ors (LATF) have been a ent for outdoor average	r TM-21 based on L oplied to all lumen n	M-80 data and in-situ	ı luminaire testi

Canada: www.cree.com/canada T [800] 473-1234 F [800] 890-7507

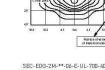
#### Cree Edge™ LED Security Wall Pack Luminaire

#### All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: http://lighting.cree.com/products/outdoor/wall-mount/cree-edge-series-5



RESTL Test Report #: PL10270-004B ARE-EDG-2M-\*\*-06-E-UL-525-40K Initial Delivered Lumens: 10,053

RESTL Test Report #: PL10023-003B ARE-EDG-2MB-\*\*-06-E-UL-525-40K



80 60 40 20 0 20 40 60

T (800) 236-6800 F (262) 504-5415

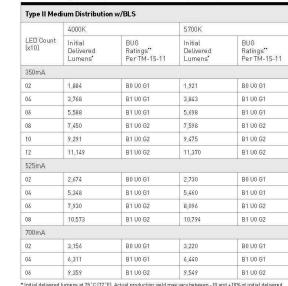
B2 U0 G2 B2 U0 G2 B3 U0 G3 B1 U0 G1 B2 U0 G2 B2 U0 G2 B3 U0 G3

> B1 U0 G1 4,275 B2 U0 G2 8,549 B2 U0 G2 12,678 ormation on the IES BUG (Backlight-Uplight-Glare) Rating visit:

B1 U0 G1

B2 U0 G2

7,248 10,748 14,331



CREE 🚓

NJ6-280

560 Valley Road

Montclair Township

Essex County, New Jersey

#### LED Security Wall Pack Luminaire CONTRACTOR TO SEE NOTES BELOW Product Description The Cree Edge™ wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring, Includes leaf/debris guard. Performance Summary Patented NanoOptic® Product Technology Assembled in the U.S.A. of U.S. and imported parts CRI: Minimum 70 CRI CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard Limited Warranty\*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish \*See http://lighting.cree.com/warrarty for warrarty terms CONTRACTOR TO VERIFY THAT FIXTURES CAN BE MOUNTED PER PLAN AND ALL NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR Accessories TO PURCHASING Bird Spikes XA-BRDSPK LED Count (x10) Dim. "A" Weight 9.9\* (251mm) 20 lbs. (9.1kg) 11.9\* (303mm) 22 lbs. (10.0kg) "Must specify color 13.9\* (353mm) 25 lbs. (11.3kg) 15.9\* [404mm] 27 lbs. [12.2kg] 17.9\* [455mm] 31 lbs. [14.1kg] 19.9\* (505mm) 32 lbs. (14.5kg) CONTRACTOR TO CONTRACTOR TO VERIFY REFERENCE PLANS FOR COLOR DESIGNATION AND SPECIFY IF NOT UL

Cree Edge™ Series

US: lighting.cree.com T [800] 236-6800 F [262] 504-5415

Ordering Information SEC-EDG 2M e with 20-80 LEDs F Fuse - Refer to PML spec sheet, for availability with PMI - May only be combined with F option current
- Not available with other options
P Photocell
- Must specify UL or 34 voltage
PML Programmable Multi-Level
- Refer to PML spec sheet for details
- Intended for downlight applications wi.
400K 400K Color Temperature
- Minimum 70 CRI c UL us CREE **♣** 

Rev. Date: V5 01/09/2019

Canada: www.cree.com/canada T [800] 473-1234 F [800] 890-7507

#### Cree Edge™ LED Security Wall Pack Luminaire

#### Product Specifications

US: lighting.cree.com

T [800] 236-6800 F [262] 504-5415

CONSTRUCTION & MATERIALS

SEC-EDG-4M-WM-04-E-UL-BZ-700-40K

- Slim, low profile design · Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- · Furnished with low copper, light weight mounting box designed for
- Luminaire can also be direct mounted to a wall and surface wired Secures to wall with four 3/16" [5mm] screws (by others)
- · Conduit entry from top, bottom, sides, and rear · Allows mounting for uplight or downlight
- Designed and approved for easy through-wiring Includes leaf/debris guard

Housing is rugged aluminum

- with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver ar · Weight: See Dimensions and Weight Chart on page 1
- ELECTRICAL SYSTEM
- Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load . Integral weathertight J-Box with leads (wire nuts) for easy power hook
- Integral 10kV surge suppression protection standard When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current Maximum 10V Source Current: 20 LED (350mA): 10mA;

#### REGULATORY & VOLUNTARY QUALIFICATIONS

cULus Listed

- Suitable for wet locations Meets FCC Part 15, Subpart B, Class A standards for conducted and
- Enclosure rated IP66 per IEC 60529 when ordered without P, PML or ML
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- . Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 DLC qualified with select SKUs. Refer to

US: lighting.cree.com T (800) 236-6800 F (262) 504-5415

 Meets Buy American requirements within ARRA • A CA RESIDENTS WARNING: Cancer and Reproductive Harm -

(x10)	120-480V	120V	208V	240V	277V	347V	480
350mA							1
02	25	0.21	0.13	0.11	0.10	0.08	0.0
04	46	0.36	0.23	0.21	0.20	0.15	0.13
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.2
10	110	0.92	0.53	0.47	0.41	0.32	0.2
12	130	1.10	0.63	0.55	0.48	0.38	0.2
525mA	<del>-</del>	*		-,12-			
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0,14
06	101	0.84	0.49	0.43	0.38	0.30	0.2
08	133	1,13	0.66	0.58	0.51	0.39	0.28
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0,1
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

Canada: www.cree.com/canada T [800] 473-1234 F [800] 890-7507

Ambient	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Calculated <sup>3</sup> LMF	100K hr Calculated <sup>2</sup> LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1,02	0.99	0.97	0.96	0.94
20°C [68°F]	1.01	0.98	0.96	0.95	0.93
25°C [77°F]	1.00	0.97	0.95	0.94	0.92
Luminaire ambien Temperature Zone In accordance with within six times (6, packaged LED chip In accordance with	t temperature fact Reference Docum I IESNA TM-21-11, X) the IESNA LM-8 o) I IESNA TM-21-11,	77°F) are calculated pe ors (LATF) have been agent for outdoor average Projected Values repre 0-08 total test duration Calculated Values repress for the device under	oplied to all lumen r e nighttime ambient sent interpolated va (in hours) for the de esent time duration	naintenance factors, conditions, lue based on time du wice under testing (() s that exceed six time	Please refer to th urations that are DUT) i.e. the es (6X) the IESNA

Canada: www.cree.com/canada T [800] 473-1234 F [800] 890-7507

Facility Data and Design. Optimized. P.O. Box 645, Rockwall, Texas 75087 www.gmr1.com Office: (972) 771-6038 FAX: (972) 722-2762

BANK OF AMERICA

Lighting Upgrades

Montclair, New Jersey

**STONEFIELD** 

engineering & design

Rutherford, NJ · New York, NY · Boston, MA

Princeton, NJ · Tampa, FL · Detroit, MI

www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070

Phone 201.340.4468 · Fax 201.340.4472

	Issue	Date & Issue Description	Ву	Check
	01	03/09/2023	TP	JR
2		PER GMR V1		
	_			
	-			_
	-			
		IΔKE	MODESTO	 W/ PE
		NEW J	MODESTO ERSEY LICENSE N	lo. 56119
		LICENSE	d professional	ENGINEER
		ТР	JR	
			CKED BY	
		A CITE	CKLD D1	
		<b>STONEF</b>	IELD	
		engineering & des		
	SCALE:	(H) AS SHOV	۷N	
		( )		
	PROJECT ID	: RUT-220516		
	TITLE:			
		DETAILC		
		DETAILS		
	SHEET:			
		<b>~</b> 7		
		<b>C7</b>		
السيعيد				and the same of th