Lumir	naire Sche	dule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A1	2	PHILIPS GARDCO	ECF-3-215LA-641A-NW-IS	ECOFORM	(1) LIGHT ARRAY OF 80 LEDs DRIVEN AT 1050mA		ECF-3-215LA-641A- NW-IS.ies	15270.06	0.85	210.9
Ô	W1	3	PHILIPS GARDCO	161-2-110LA-6453-NW	161 SCONCE WITH TYPE 2 OPTIC AT 530mA	(2) LEDgine 32 LUXEON R NW	1	161-2-110LA-6453-NW.ies	9565.241	0.85	106.8

			9_*0,0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*o.o *o.o *o.o *o.o *o.o *o.o *o.o *o.o	N/F	0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0		0.04/\&0.0 \\ \dots 0.0 \\dots 0.0 \\ \dots 0.0 \\ \dots 0.0 \\dots 0.0 \dots 0.0 \\dots 0.0 \\dots 0.0 \\dots 0.0 \\dots 0.0 \\dots 0.0 \dots 0.0 \dots 0.0 \\dots 0.0 \dots 0.0 \d	0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0) *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.	.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *	**************************************
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	1/1/2 0/ 1/26	68°52 × × × × × × × × × × × × × × × × × × ×	*0.0 \ *0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0	$\frac{1}{2} = 1$	*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*o.o *o.o *o.o *o.o *o.o *o.o *o.o *o.o	0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	8"10" 6.	**************************************
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0) *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.	DAY	3.4 \\ \(\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	5 0.0 J 0.0 J 0.0 Q.0 Q.0 Q.0 Q.0 Q.0 Q.0 Q.0 Q.0 Q.0	12" MAPLE (S.)	0.8 [3.6 7.0.2] 0.1 MAPIO. 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
*0.0 *0.0 *0.00F*030' *1.000DPDAINO.0 *0.0 *0.0	0.0 °0.0 /900//0.0/ °0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	$\int_{x_{+}}^{x_{+}} \int_{x_{+}}^{x_{+}} \int_{x_{+}}^$	4.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	O.O OOO MAPLE	-X -	\$ 0.6 \ 0.6 \ 0.0 \ \
*TOP OF CONCRETE * * 0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	* 10.0//0.0 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	TO MAPLE + E 12" MAPLE	2.3 (0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
(ASSUMED DATUM) *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.	MAPLE DO	PGS DAY LEST 30" MAPLE	12 C C C C C C C C C C C C C C C C C C C
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	0.0-G70405-0.0 0.0 CAP	RE FIELD + 1 20" MAR	25 3° 47 ° 1.80 ° 0.2 ° 0.00 °
	0.0 °0.0 °0.0 °0.0 °0.0 °0.0 °0.0 °0.0		10.8 \$3.6 \$0.2E \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.
	0.0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	16" MAPLE / 16" MAPLE	120" MAPLE
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	49.66) Son 36" OAK / Trust / ELIM /	0.0 0.0 0.0 0.0 0.0
J. H. JBLPLP	0.7 70.5 0.2 0.0 36" OAN 36" O	This I have a 20" MAPPE	2 3 0 1 MAO. 5 M O. 6 30.0 8 X 1 X 2 X 2 X 2 X 2 X 2 X 2 X 2 X 2 X 2
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	42" OAK ALS DRIVE	124" MAPLEY NO PA	MAPLE 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	GRAVEL 16" MAPLEXY	48" OAK 12" MAPLE	0.2/0.0
*0.0 *0.0 <u>P</u> 0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	+3.3 +2.62 +1.5	6"+18" 670NE 10" M	10.8 0.0 \\ 10.8 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	+4.7 +3.5 / 2.0 +1.4 / 36" MAPLE MAP	AK 21 16" MAPLE 1	16" MAPLET 2.6 0.2 30.0 *0.0 *0.0 *0.0 *0.0
*6.9 *6.0 W*6.6 = *8.6/0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	7+SBACH ALL AINTED	CURB	*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.1 *0.0 *0.1 *1.0 *3.0 *3.0 *3.0 *3.0 *3.0 *3.0 *3.0 *3	±2.5	SPA 0	*** *** *** *** *** *** *** *** *** **
*0.0 *0.0 *0.0 *6.0=100.004*0.0 *0.1 *1.2 *1.4 *3.2 *1.4 *1.4 *3.2	+2.6 -BIT. PARKING-	AND AND MARKET AND	*0.0 *
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *2.5 +2.5 +3.1 +2.5	NO PARKING	BRICK ASH	*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *0.0 *0.0 *0.1 *0 1 1 2.4 1 3 1 2.0 1 2.4 1 3 3	72.0 11.6 PD	WAFL WAFL	*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	DOCK DOCK	THE PARTY OF THE P	*0.0 *0
*0.0 *6.6*******************************	+2.0 T.3 + BORDER-A RAMP		*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *6.0 *6.0 *6.0 *6.0 *6.0 *6.0		255-257 STORY	*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *1.7 *3.5	†2.4 †1.8 †1.8 ±1.8 ±1.8	HEIGHT 10.0	*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	1 STORY WOOD FAME 12.5 HEIGHT 1.00	18 MAPOLO (O.C	*6.00 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0
*0.0 *50 2001*00140.0 *0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	†2.8 †2.2 †1.5 †3.9 P	1 0.0 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	†3.3 †2.0° †1.4 / 0.0 °	0.0 70.0 5.0 0.0 SIGN TO.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	3.7 +2.2 +1.4 10 0,6 24" MAPLE GRASSO 12.2	SBAH *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.	0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0
*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	†27\\\ -\frac{1}{2}\ldot 0.0 \\ \frac{1}{1}\ldot 4 \\ \frac{1}{1}\ldot 0 \\ \frac{1}{2}\ldot 0.0 \\ \f	\$1.0 \$0.0\$ \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0	o *o.o *o.o *o.o *o.o *o.o *o.o *o.o *o
*o.o *o.o *o.o *o.o *o.o *o.o *o.o *o.o	GA369 136" 60 3 TR SD 70.0 M 8.0 M 8		0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0
	N MARKET OF THE STATE OF THE ST	DIBLIO	
*no *no *no *no *0.0 *no ! *no	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10H *0.0 \$0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0	o/*o.o *o.o *o.o *o.o *o.o *o.o *n.o *n.o
*n *n *n *n *n *o *o.o *o.o *o.o *o.o *o	0.5 0.4 0.0 0.0 0.0 WG = S SMH (VARIABLE)	\$60 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0	0/*0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.0 *0.
O.O. *O.O *O.O *O.O *O.O *O.O *O.O *O.O	0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	100	0/ *0.0 *0.0

©2016 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

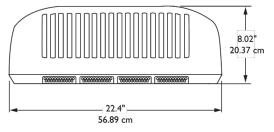
Statistics									
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max		
Parking Area	+	2.2 fc	4.7 fc	0.6 fc	7.8:1	3.7:1	0.5:1		
Spill Area Landscape	♦	0.2 fc	3.2 fc	0.0 fc	N/A	N/A	0.1:1		
Spill Area	*	0.0 fc	1.6 fc	0.0 fc	N/A	N/A	0.0:1		

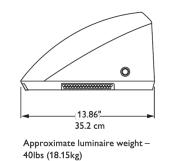
LIGHTING NOTES

TO OBTAIN EVEN LIGHT DISTRIBUTION.

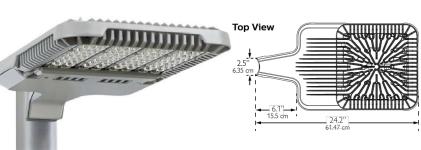
- 1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL REQUIREMENTS OF ANY LOCAL APPLICABLE CODES OR ORDINANCES, PUBLIC UTILITY COMPANY REGULATIONS, STATE CODE, AND NATIONAL ELECTRICAL CODE WITH INTERIM AMENDMENTS THERETO.
- 2. ALL MATERIALS SHALL CONFORM TO THE LATEST ISSUE OF ALL APPLICABLE STANDARDS AS ESTABLISHED BY EEI, NEMA, ASTM, IPCEA, NATIONAL BOARD OF FIRE UNDERWRITERS, AND UNDERWRITERS LABORATORIES INC.
- 3. THE CONTRACTOR SHALL TEST THE LIGHTING AFTER INSTALLATION WITH THE DEVELOPER/OWNER, AND PROVIDE TO DEVELOPER/OWNER WARRANTY AND MAINTENANCE INFORMATION. THE CONTRACTOR SHALL MAKE ADJUSTMENTS AND/OR MODIFICATIONS AS REQUIRED BY THE DEVELOPER/OWNER
- 4. CONTRACTOR SHALL LEAVE ENTIRE ELECTRICAL SYSTEM INSTALLED BY THE CONTRACTOR IN PROPER WORKING CONDITION AND REPLACE WITHOUT ADDITIONAL CHARGE ALL WORK OR MATERIALS WHICH MAY DEVELOP DEFECTS WITHIN A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL
- 5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, BASES AND CONDUITS TO SITE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO DELIVERY OF MATERIAL TO SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW. IF ALTERNATIVE LIGHTING IS PROPOSED SUBMIT A PHOTOMETRIC FOOT—CANDLE LAYOUT ALONG WITH ANNUAL MAINTENANCE REQUIREMENTS AND ANTICIPATED COSTS.
- 6. LIGHTS ARE DESIGNED TO PROVIDE EVEN LEVELS OF ILLUMINATION AND AVOID GLARE ONTO NEIGHBORING PROPERTIES. FINAL DESIGN MAY VARY PENDING MANUFACTURER'S RECOMMENDATIONS.
- 7. ALL LIGHTING CONTROLS, PANELS, CIRCUIT BREAKERS ETC. ARE TO BE PROVIDED UNDER A SEPARATE CONTRACT BY BUILDING CONTRACTOR.
 CAREFUL COORDINATION IS REQUIRED BETWEEN SITE CONTRACTOR AND BUILDING CONTRACTOR TO PROVIDE A COMPLETE INSTALLATION FOR SITE
- 8. THE CONTRACTOR WILL PROVIDE AND INSTALL ALL MATERIAL NECESSARY TO COMPLETE THE SITE LIGHTING SYSTEM INCLUDING BUT NOT LIMITED TO CONDUIT, BASES, ANCHOR BOLTS, POLES SITE LIGHTS AND LAMPS. THE CONTRACTOR WILL COORDINATE WIRING AND POWERING OF LIGHTS WITH OWNER, ARCHITECT, AND BUILDING CONTRACTOR IF DIFFERENT FROM THE SITE CONTRACTOR.
- 9. ALL LIGHTS TO BE AS LISTED IN SCHEDULE OR APPROVED EQUIVALENT. LIGHTS SHALL BE MOUNTED ON SQUARE STRAIGHT STEEL POLES ATOP 36" HIGH CONCRETE BASES THAT ARE SET 2' (CLEAR) BEHIND CURBS. ILLUMINATION ANALYSIS MODELED USING LIGHTING FIXTURES LISTED IN SCHEDULE.
- 10. LIGHT POLES, AND BRACKETS TO BE AS SHOWN ON DETAILS OR APPROVED EQUIVALENT.
- 11. WIRE AND CABLE SHALL BE COPPER AND CONFORM TO THE FOLLOWING NEC TYPE THHN/THWN SOLID FOR NO. 12 AND NO. 10. NEC TYPE
 THHN/THWN STRANDED FOR NO. 8 AND LARGER. RIGID STEEL CONDUIT SHALL BE GALVANIZED. FITTINGS SHALL BE CAST FERROUS MATERIAL WITH
 A CADMIUM OR ZINC PLATED FINISH.
- 12. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE TO NEC.

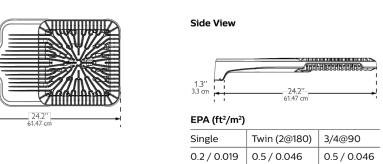


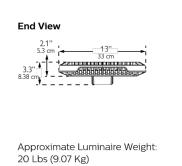




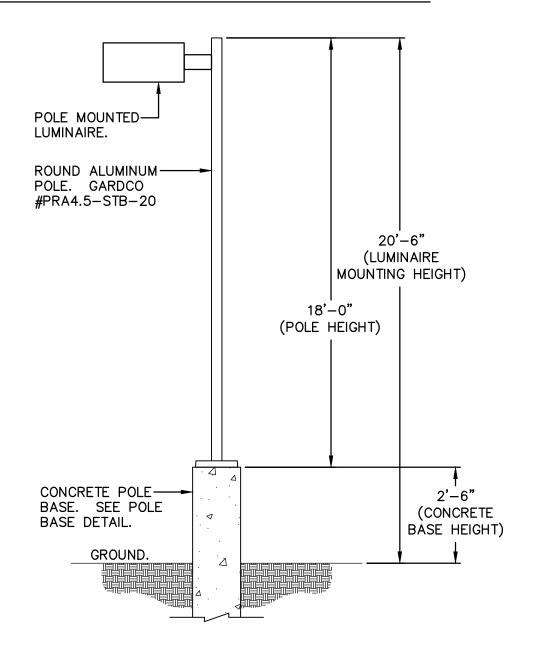
TYPE 'W1' LUMINAIRE DETAIL.





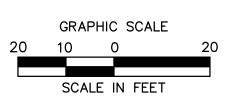


TYPE 'A1' LUMINAIRE DETAIL.



LUMINAIRE MOUNTING DETAIL

FOR PERMITTING PURPOSES ONLY NOT RELEASED FOR CONSTRUCTION



Companies

ARCHITECTURE ENGINEERING ENVIRONMENTAL LAND SURVEYING

355 Research Parkway Meriden, CT 06450 (203) 630-1406 (203) 630-2615 Fax

PROPOSED SELF STORAGE FACII 255-257 NEWTONVILLE AVENUE NEWTON, MASSACHUSETTS

Desc.
CONSERVATION COMMISSION COMMENTS
ENGINEERING COMMENTS
CONSERVATION COMMISSION COMMENTS
LAND USE HEARING COMMENTS
COMMUNITY COMMENTS

REVISIONS

No. Date

1. 2/19/2016 CONSEI

2. 2/22/2016 ENGINE

3. 2/29/2016 CONSEI

4. 4/20/2016 LAND U

5. 5/19/2016 COMMU

Designed R.Z.
Drawn R.Z.
Checked
Approved
Scale 1"=20'
Project No. 15D2781
Date 2/5/2016

Date 2/5/2016

CAD File: LP15D278101

Title

SITE LIGHTING
PLAN

Sheet No.

LP-1