LEGEND

PROPERTY LINE

PROPERTY SETBACK LINE

R&D EXISTING TREE, GRIND STUMP 24" BELOW GRADE, TYP.

EXISTING TREES TO REMAIN

EXISTING SHRUBS TO REMAIN

TREE PLANTS TO BE REMOVED

TOTAL NUMBER OF TREES TO BE REMOVED	62
TOTAL NUMBER OF SHRUBS TO BE REMOVED	9

\\wse03.local\WSE\Projects\MA\...BostonDelServer\SOLAR\WESTWOOD\Planting Plans\CAD\L1.00--SP.dwg

Project:

EVERSOURCE, WESTWOOD

WESTWOOD, MA

Weston & Sampson

85 Devonshire Street,
3rd Floor, Boston, MA 02109
617.412.4480 800.SAMPSON
www.westonandsampson.com

Consultants:

Revisions:

No.	Date	Description

Seal:

9.28.2017

Issued For:

PERMIT

Scale:	AS SHOWN
Date:	09.28.2017
Drawn By:	FD
Reviewed By:	BR
Approved By:	ERB
W&S Project No:	.
W&S File No:	

Drawing Title:

SITE PREPARATION & DEMOLITION PLAN

Sheet Number:

L1.00

LEGEND

PROPERTY LINE

PROPOSED TREES

EXISTING TREES TO REMAIN

TREE PLANT SCHEDULE

EVERGREEN TREES

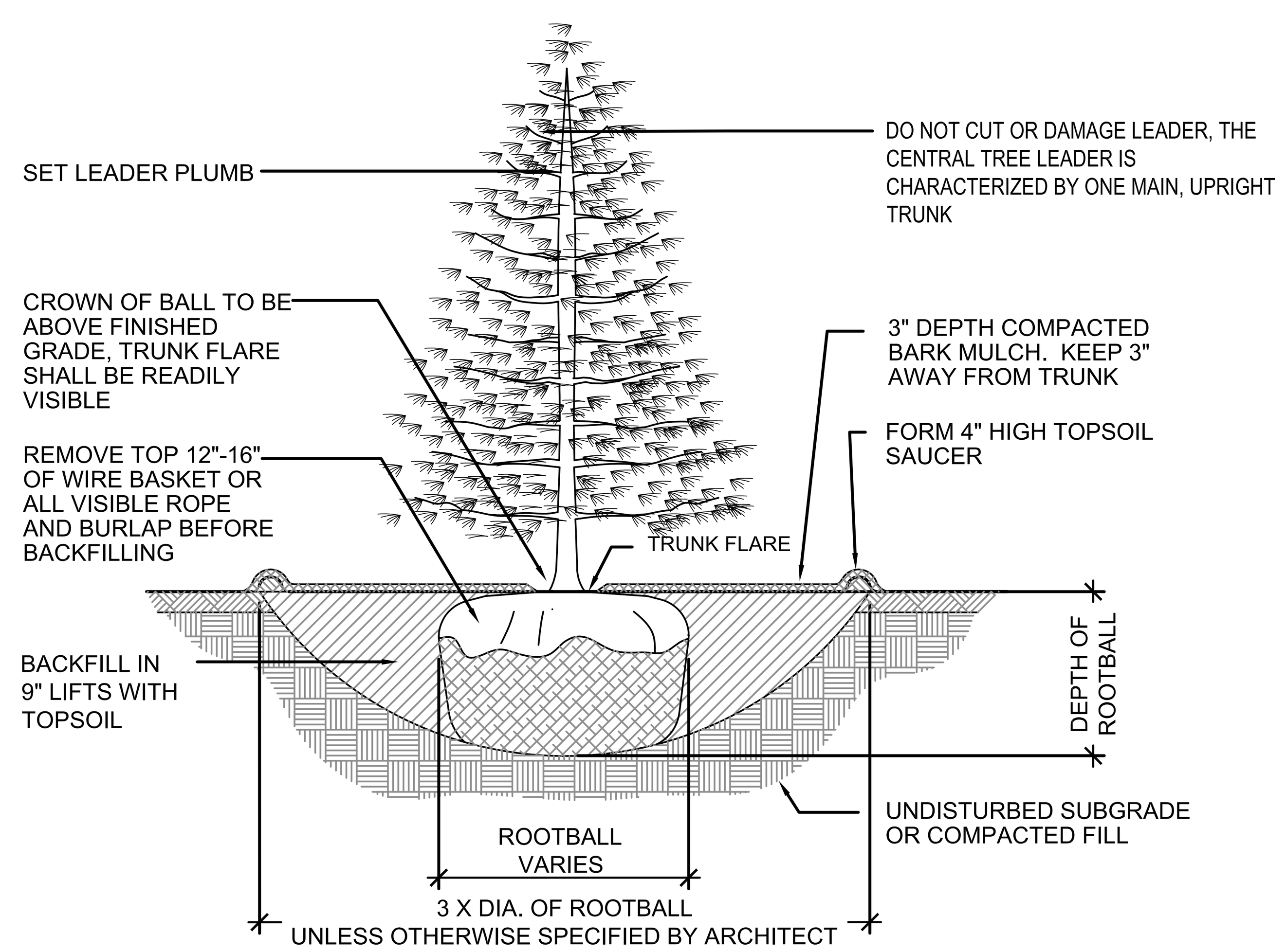
ABRV.	QTY	COMMON NAME	BOTANICAL NAME	SIZE
PS	29	WHITE PINE	PINUS STROBUS	8' HEIGHT
PA	20	NORWAY SPRUCE	PICEA ABIES	8' HEIGHT
PP	12	BLUE SPRUCE	PICEA PUNGENS	8' HEIGHT
TG	11	GREEN GIANT ARBORVITAE	THUJA (STANDISH X PLICATA) 'GREEN GIANT'	8' HEIGHT

EVERGREEN TREES

ABRV.	QTY	COMMON NAME	BOTANICAL NAME	SIZE
JB	8	CHINESE JUNIPER	JUNIPERUS CHINENSIS 'BLUE POINT'	#5
IG	12	INKBERRY	ILEX GLABRA	#5
BM	8	JAPANESE BOXWOOD	BUXUS MICROPHYLLA var. JAPONICA	#5

TREE PLANT COUNT

TOTAL NUMBER OF TREES TO BE ADDED	72
TOTAL NUMBER OF SHRUBS TO BE ADDED	28



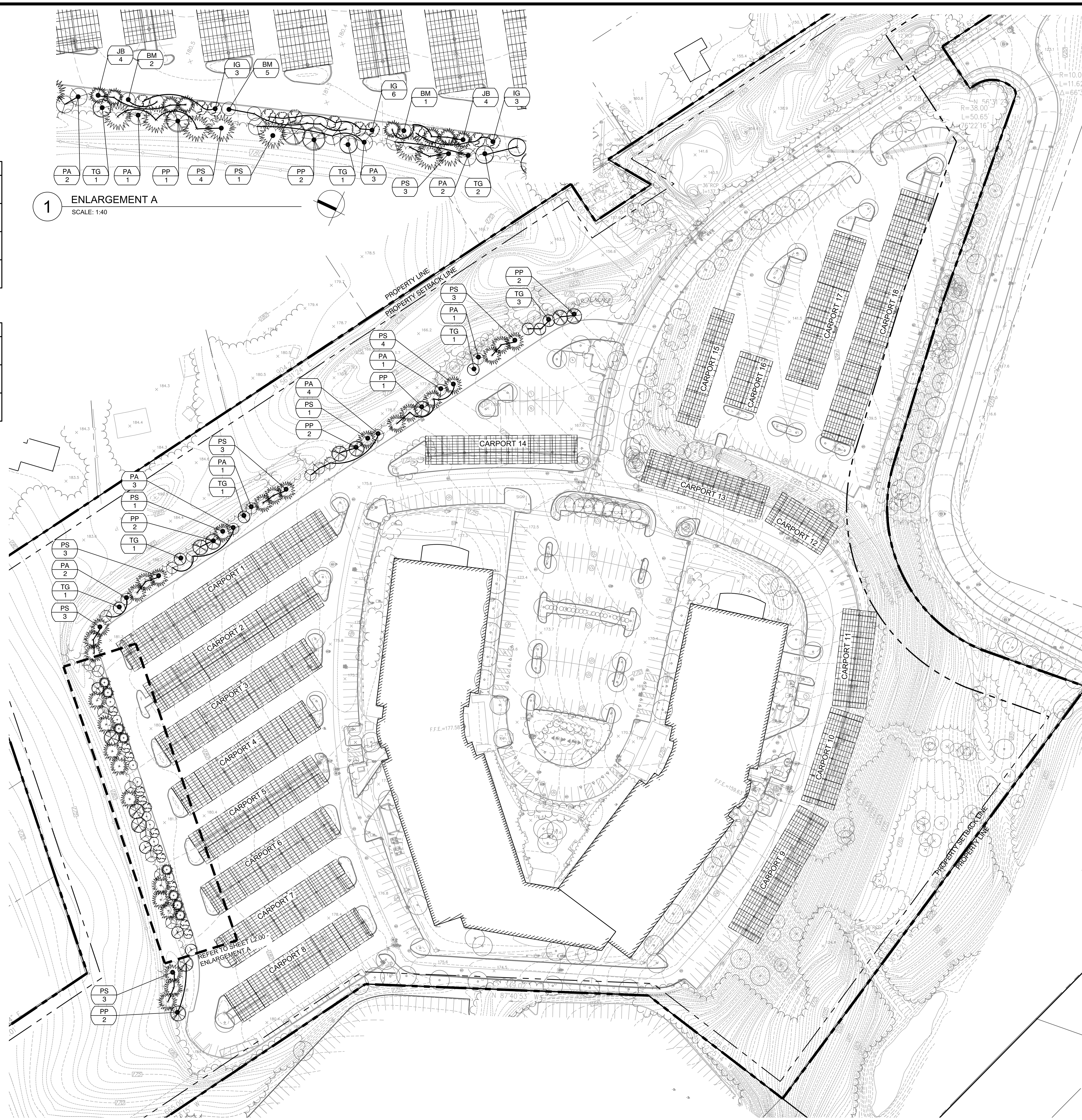
NOTES:

1. REMOVE AND SEPARATE TOPSOIL AND SUBSOIL FROM PLANTING HOLE FOR USE AS BACKFILL AS NOTED ABOVE.
2. IF ROOTBALL IS PACKAGED IN "PLASTIC BURLAP" OR TREATED BURLAP, REMOVE BURLAP COMPLETELY.
3. WATER THOROUGHLY AFTER INSTALLATION AT RATE OF 3-5 GALLONS/INCH CALIPER.

2 TREE PLANTING AND STAKING - EVERGREEN

SCALE: NTS

0 60 120 180



1 ENLARGEMENT A

SCALE: 1:40

\\wse03.local\WSE\Projects\MA_BostonOldServer\SOLAR\WESTWOOD\Planting Plans\CAD\L2.00-LM-1.dwg

Project: EVERSOURCE, WESTWOOD

WESTWOOD, MA

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Consultants:

Revisions:

No.	Date	Description

Seal:

9.28.2017

Issued For: PERMIT

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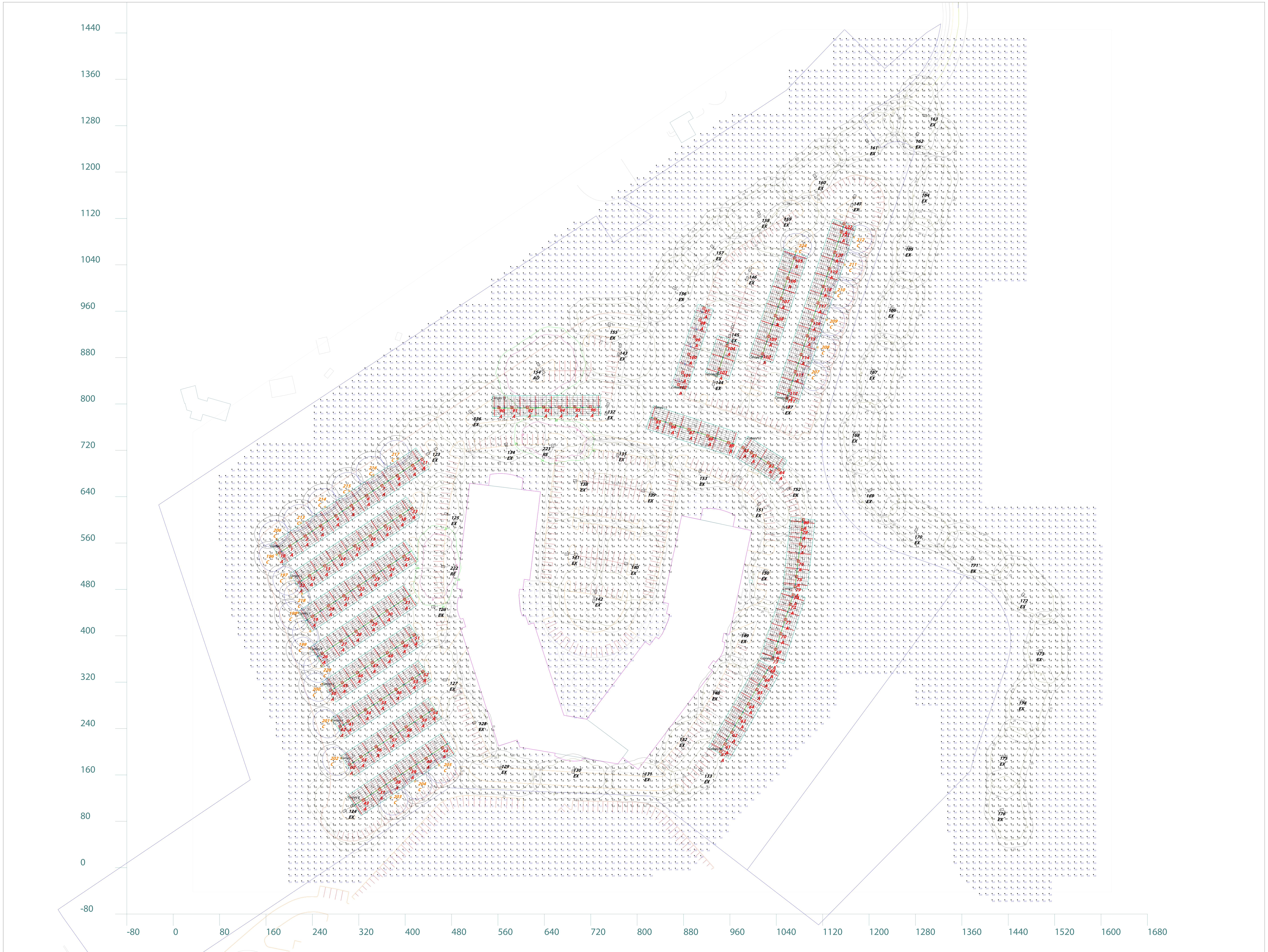
Date:	09.28.2017
Drawn By:	FD
Reviewed By:	BR
Approved By:	ERB
W&S Project No:	.
W&S File No:	

Drawing Title: PLANTING PLAN

Sheet Number: L2.00



Scale: 1 inch= 80 Ft.

The Lighting Analysis, ezLayout, Energy Analysis and/or Visual Simulation ("Lighting Design") provided by RAB Lighting Inc. ("RAB") represents an anticipated prediction of lighting system performance based upon design parameters and information supplied by others. These design parameters and information provided by others have not been field verified by RAB and therefore actual measured results may vary from the actual field conditions. RAB recommends that design parameters and other information be field verified to reduce variation.

RAB neither warranties, either implied or stated with regard to actual measured light levels or energy consumption levels as compared to those illustrated by the Lighting Design. RAB neither warranties, either implied or stated, nor represents the appropriateness, completeness or suitability of the Lighting Design intent as compliant with any applicable regulatory code requirements with the exception of those specifically stated on drawings created and submitted by RAB. The Lighting design is issued, in whole or in part, as advisory documents for informational purposes and is not intended for construction nor as being part of a project's construction documentation package.

Scale: as noted

PROJECT #

Date:9/28/2017

CASE # 00128019

Filename: Solar Canopy - Conti Solar Westwood Overall layout 00128019E.AGI

Drawn By: Donald G. Andrews

Job Name:
Solar Canopy - Conti Solar Westwood
Westwood, MA
OVERVIEW - Comparison to Existing
Lighting Layout
VersionE

Prepared For:
Damin Sales
28 Brunswick Avenue
Edison, NJ 08818-0377
Tel: 888-839-0590

Filename: \\RAB-STORAGE-1\Lighting Design\Job Files\Damin Sales\Warshauer Electric\Tinton Falls 106624\RBI Solar - Westwood\Working Files\AGI\REVISION 3\Solar Canopy - Conti Solar Westwood Overall layout 00128019E.AGI

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888 722-1000 • RABWEB.COM

Scale: 1 inch= 30 Ft.

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Prepared For:
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Luminaire Schedule

Symbol	Qty	Tag	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Description	Lum. Watts	Arr. Watts	Total Watts	Filename	BUG Rating
	122	A	PRT55N	SINGLE	5303	5303	1.000	PRT55N	57.1	57.1	6966.2	PRT55N - Neutral - RAB00767.IES	B2-U5-G2
	15	EX	ar3e35-120l5k x 2 @ 180°	BACK-BACK	9575	19150	1.000	AR3E35-120L5K (Existing Fixture)	125.5	251	3765	ar3e35-120l5k.ies	B2-U0-G2
	39	EX	ar3e35-120l5k	SINGLE	9575	9575	1.000	AR3E35-120L5K (Existing Fixture)	125.5	125.5	4894.5	ar3e35-120l5k.ies	B2-U0-G2
	26	C	WPLED26	SINGLE	3475	3475	1.000	WPLED26 (WALLPACK)	30	30	780	WPLED26 - Cool - RAB02619.IES	B1-U0-G1
	2	RE	ar3e35-120l5k-RE	SINGLE	9575	9575	1.000	AR3E35-120L5K (Reuse Existing Fixture)	125.5	125.5	251	ar3e35-120l5k.ies	B2-U0-G2
	1	AD	ar3e35-120l5k-AD x 2 @ 180°	BACK-BACK	9575	19150	1.000	AR3E35-120L5K (Add Reused Existing Fixture)	125.5	251	251	ar3e35-120l5k.ies	B2-U0-G2

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpcLr	PtSpcTb	Meter Type
CalcPts_2	Illuminance	Fc	0.91	9.1	0.0	N.A.	N.A.	Readings taken @ 0'-0" AFG	10.925	10.925	Horizontal
Canopy 1	Illuminance	Fc	2.92	6.7	1.7	1.72	3.94	Readings taken @ 0'-0" AFG			
Canopy 10	Illuminance	Fc	3.42	5.4	2.2	1.55	2.45	Readings taken @ 0'-0" AFG			
Canopy 11	Illuminance	Fc	3.16	4.7	1.8	1.76	2.61	Readings taken @ 0'-0" AFG			
Canopy 12	Illuminance	Fc	3.27	4.6	2.2	1.49	2.09	Readings taken @ 0'-0" AFG			
Canopy 13	Illuminance	Fc	2.37	3.4	1.4	1.69	2.43	Readings taken @ 0'-0" AFG			
Canopy 14	Illuminance	Fc	3.69	6.1	2.7	1.37	2.26	Readings taken @ 0'-0" AFG			
Canopy 15	Illuminance	Fc	3.52	4.5	2.1	1.68	2.14	Readings taken @ 0'-0" AFG			
Canopy 16	Illuminance	Fc	3.87	7.8	1.8	2.15	4.33	Readings taken @ 0'-0" AFG			
Canopy 17	Illuminance	Fc	2.54	3.6	1.5	1.69	2.40	Readings taken @ 0'-0" AFG			
Canopy 18	Illuminance	Fc	3.09	9.1	1.7	1.82	5.35	Readings taken @ 0'-0" AFG			
Canopy 2	Illuminance	Fc	2.74	5.1	1.7	1.61	3.00	Readings taken @ 0'-0" AFG			
Canopy 3	Illuminance	Fc	2.58	4.2	1.5	1.72	2.80	Readings taken @ 0'-0" AFG			
Canopy 4	Illuminance	Fc	2.50	3.8	1.4	1.79	2.71	Readings taken @ 0'-0" AFG			
Canopy 5	Illuminance	Fc	2.80	4.0	1.7	1.65	2.35	Readings taken @ 0'-0" AFG			
Canopy 6	Illuminance	Fc	2.75	4.1	1.7	1.62	2.41	Readings taken @ 0'-0" AFG			
Canopy 7	Illuminance	Fc	2.79	4.4	1.7	1.64	2.59	Readings taken @ 0'-0" AFG			
Canopy 8	Illuminance	Fc	2.84	7.0	1.2	2.37	5.83	Readings taken @ 0'-0" AFG			
Canopy 9	Illuminance	Fc	3.21	5.0	1.9	1.69	2.63	Readings taken @ 0'-0" AFG			

PRT55N

WPLED26

NOTES:

* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.

* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.

* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.

* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

PROJECT #
CASE # 00128019

Scale: as noted
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Drawn By: Donald G. Andrews

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OVERVIEW - Comparison to Existing
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Expanded Luminaire Location Summary

LumNo	Tag	X	Y	MTG HT	Orient	Tilt
1	A	201.128	554.885	14	33.305	0
2	A	227.593	572.272	14	33.305	0
3	A	254.057	589.659	14	33.305	0
4	A	280.521	607.046	14	33.305	0
5	A	306.986	624.433	14	33.305	0
6	A	333.45	641.82	14	33.305	0
7	A	359.914	659.207	14	33.305	0
8	A	386.379	676.594	14	33.305	0
9	A	412.843	693.982	14	33.305	0
10	A	183.688	543.412	17	33.305	0
11	A	429.017	704.443	14	33.305	0
12	A	235.119	503.919	14	33.305	0
13	A	261.212	521.062	14	33.305	0
14	A	287.305	538.206	14	33.305	0
15	A	313.399	555.349	14	33.305	0
16	A	339.493	572.493	14	33.305	0
17	A	365.586	589.636	14	33.305	0
18	A	391.679	606.78	14	33.305	0
19	A	239.97	433.667	14	33.305	0
20	A	267.945	452.046	14	33.305	0
21	A	293.952	469.133	14	33.305	0
22	A	319.959	486.219	14	33.305	0
23	A	345.965	503.306	14	33.305	0
24	A	371.972	520.392	14	33.305	0
25	A	397.978	537.478	14	33.305	0
26	A	256.898	369.72	14	33.305	0
27	A	289.398	391.073	14	33.305	0
28	A	315.057	407.93	14	33.305	0
29	A	341.972	425.614	14	33.305	0
30	A	368.469	443.022	14	33.305	0
31	A	398.874	462.999	14	33.305	0
32	A	217.188	492.339	17	33.305	0
33	A	411.602	619.869	14	33.305	0
34	A	331.291	272.496	14	33.531	0
35	A	357.773	290.045	14	33.531	0
36	A	384.256	307.594	14	33.531	0
37	A	355.587	135.222	14	33.531	0
38	A	382.457	153.028	14	33.531	0
39	A	409.327	170.834	14	33.531	0
40	A	436.197	188.639	14	33.531	0
41	A	301.717	252.898	14	33.531	0
42	A	287.836	243.7	14	33.531	0
43	A	327.588	116.668	14	33.531	0
44	A	464.215	207.04	14	33.531	0
45	A	291.505	319.33	14	33.531	0
46	A	317.457	336.528	14	33.531	0
47	A	343.41	353.726	14	33.531	0
48	A	369.362	370.924	14	33.531	0
49	A	395.314	388.121	14	33.531	0
50	A	271.444	306.037	14	33.531	0
51	A	415.454	401.467	14	33.531	0
52	A	430.567	338.282	14	33.531	0
53	A	412.42	326.257	14	33.531	0
54	A	446.709	272.734	14	33.531	0
55	A	323.894	191.349	14	33.531	0
56	A	349.827	208.534	14	33.531	0
57	A	375.76	225.719	14	33.531	0
58	A	401.694	242.904	14	33.531	0
59	A	427.627	260.089	14	33.531	0
60	A	304.2	178.299	14	33.531	0
61	A	951.531	213.296	14	59.649	0
62	A	963.43	233.618	14	59.649	0
63	A	977.836	258.221	14	59.649	0
64	A	992.243	282.824	14	59.649	0
65	A	1006.649	307.427	14	59.649	0
66	A	1019.295	329.024	14	59.649	0
67	A	944.034	200.493	14	59.649	0

Total Quantity: 221 (67 shown, 1 through 67)

Expanded Luminaire Location Summary

LumNo	Tag	X	Y	MTG HT	Orient	Tilt
68	A	1028.586	344.891	14	59.649	0
69	A	1038.745	376.865	14	71.885	0
70	A	1047.54	403.749	14	71.885	0
71	A	1055.6	428.387	14	71.885	0
72	A	1064.111	454.404	14	71.885	0
73	A	1033.417	360.578	14	71.885	0
74	A	1069.447	470.715	14	71.885	0
75	A	1074.681	502.419	14	83.148	0
76	A	1077.873	528.983	14	83.148	0
77	A	1081.398	558.316	14	83.148	0
78	A	1084.426	583.516	14	83.148	0
79	A	1072.576	484.9	14	83.148	0
80	A	1086.486	600.66	14	83.148	0
81	A	997.03	716.12	14	326.457	0
82	A	1026.473	698.349	14	326.457	0
83	A	982.69	724.892	14	326.457	0
84	A	1044.543	686.966	14	326.457	0
85	A	831.375	774.335	14	342.144	0
86	A	857.888	765.794	14	342.144	0
87	A	889.288	755.942	14	342.144	0
88	A	921.995	745.142	14	342.144	0
89	A	957.833	733.333	14	342.144	0
90	A	561.596	793.547	14	0.708	0
91	A	584.166	793.826	14	0.708	0
92	A	610.999	794.158	14	0.708	0
93	A	639.085	794.505	14	0.708	0
94	A	665.674	794.332	14	0.708	0
95	A	692.504	794.915	14	0.708	0
96	A	719.086	795.243	14	0.708	0
97	A	915.199	965.451	14	71.38	0
98	A	908.27	944.886	14	71.38	0
99	A	899.056	915.967	14	71.38	0
100	A	888.887	885.784	14	71.38	0
101	A	878.391	854.631	14	71.38	0
102	A	871.298	833.58	14	71.38	0
103	A	941.322	859.81	14	71.457	0
104	A	954.901	900.795	14	71.457	0
105	A	1071.372	1052.192	14	71.649	0
106	A	1059.799	1017.303	14	71.649	0
107	A	1048.431	982.011	14	71.649	0
108	A	1038.373	952.202	14	71.649	0
109	A	1026.649	916.857	14	71.649	0
110	A	1016.391	886.44	14	71.649	0
111	A	1058.243	810.342	14	71.8	0
112	A	1062.515	823.335	14	71.8	0
113	A	1072.903	855.456	14	71.8	0
114	A	1082.913	885.377	14	71.8	0
115	A	1093.33	917.586	14	71.8	0
116	A	1102.056	944.124	14	71.8	0
117	A	1111.961	974.252	14	71.8	0
118	A	1121.251	1002.507	14	71.8	0
119	A	1131.573	1033.106	14	71.8	0
120	A	1140.901	1061.812	14	71.8	0
121	A	1152.331	1096.913	14	71.8	0
122	A	1156.881	1110.752	14	71.8	0
123	EX	447.755	719.381	22	31.997	0
123	EX	444.363	717.261	22	211.997	0
124	EX	303.705	103.68	22	34.422	0
124	EX	300.405	101.418	22	214.422	0
125	EX	476.825	609.328	22	171.084	0
126	EX	454.39	450.705	22	186.225	0
127	EX	474.138	323.577	22	176.247	0
128	EX	524.323	252.864	22	207.418	0
129	EX	565.156	177.884	22	267.375	0
130	EX	689.377	171.625	22	270.237	0
131	EX	811.801	165.157	22	268.569	0
132	EX	873.672	225.221	22	321.093	0

Total Quantity: 221 (67 shown, 68 through 134)

Expanded Luminaire Location Summary

LumNo	Tag	X	Y	MTG HT	Orient	Tilt
133	EX	913.515	164.567	22	139.736	0
134	EX	575.032	723.732	22	94.948	0
135	EX	767.368	717.326	22	258.926	0
136	EX	515.729	781.451	22	123.271	0
136	EX	517.923	778.107	22	303.271	0
137	EX	748.457	793.473	22	78.728	0
137	EX	747.675	789.551	22	258.728	0
138	EX	703.055	666.62	22	354.449	0
138	EX	699.073	667.006	22	174.449	0
139	EX	819.749	647.602	22	346.609	0
139	EX	815.857	648.528	22	166.609	0
140	EX	790.541	522.795	22	347.706	0
140	EX	786.633	523.647	22	167.706	0
141	EX	688.52	540.353	22	356.428	0
141	EX	684.528	540.603	22	176.428	0
142	EX	727.266	470.496	22	78.926	0
142	EX	726.498	466.57	22	258.926	0
143	EX	769.654	894.951	22	79.058	0
143	EX	768.894	891.023	22	259.058	0
144	EX	935.265	844.073	22	70	0
144	EX	933.897	840.315	22	250	0
145	EX	962.428	926.574	22	71.803	0
145	EX	961.178	922.774	22	251.803	0
146	EX	992.744	1026.064	22	73.021	0
146	EX	991.576	1022.238	22	253.021	0
147	EX	1173.367	1152.451	22	72.071	0
147	EX	1172.135	1148.645	22	252.071	0
148	EX	930.481	305.815	22	339.908	0
149	EX	980.197	404.877	22	339.858	0
150	EX	1015.522	513.199	22	348.349	0
151	EX	1005.465	623.651	22	36.429	0
152	EX	1066.083	656.971	22	210.381	0
153	EX	907.158	678.89	22	76.198	0
154	AD	632.77	863.771	22	123.531	0
154	AD	634.98	860.437	22	303.531	0
155	EX	752.097	930.997	22	90.78	0
156	EX	869.143	996.549	22	146.546	0
157	EX	933.824	1067.293	22	135.912	0
158	EX	1013.095	1123.665	22	123.202	0
159	EX	1053.082	1122.389	22	302.767	0
160	EX	1110.082	1189	22	129.41	0
161	EX	1199.747	1248.787	22	123.257	0
162	EX	1280.583	1260.42	22	61.789	0
163	EX	1302.485	1297.057	22	175.471	0
164	EX	1291.882	1164.891	22	344.164	0
165	EX	1264.116	1071.7	22	343.401	0
166	EX	1234.527	966.498	22	343.842	0
167	EX	1201.92	859.203	22	343.984	0
168	EX	1171.635	750.963	22	351.803	0
169	EX	1196.207	647.848	22	30.299	0
170	EX	1278.496	577.587	22	62.395	0
171	EX	1375.169	528.672	22	62.739	0
172	EX	1461.084	467.03	22	43.599	0
173	EX	1490.058	374.135	22	0.236	0
174	EX	1459.274	288.793	22	343.244	0
175	EX	1426.619	193.521	22	343.54	0
176	EX	1423.05	98.825	22	11.546	0
177	EX	1055.232	801.619	22	70	0
177	EX	1053.864	797.861	22	250	0
196	C	179.351	540.77	17	212.635	0
197	C	204.651	500.86	19	212.635	0
198	C	215.963	440.77	19	212.635	0
199	C	235.957	379.399	19	212.635	0
200	C	257.877	317.698	19	212.635	0
201	C	273.887	254.525	19	212.635	0
202	C	290.268	189.837	19	212.635	0
203	C	374.634	122.532	17	303.676	0

Total Quantity: 221 (67 shown, 135 through 201)

Expanded Luminaire Location Summary

LumNo	Tag	X	Y	MTG HT	Orient	Tilt
204	C	416.284	150.195	17	303.676	0
205	C	457.935	177.858	17	303.676	0
206	C	179.114	565.873	19	120.292	0
207	C	1094.126	850.699	17	341.224	0
208	C	1109.769	898.189	17	341.224	0
209	C	1125.413	945.679	17	341.224	0
210	C	1141.056	993.169	17	341.224	0
211	C	1156.699	1040.658	17	341.224	0
212	C	1172.342	1088.148	17	341.224	0
213	C	220.766	593.533	19	120.292	0
214	C	262.419	621.193	19	120.292	0
215	C	304.071	648.853	19	120.292	0
216	C	345.723	676.514	19	120.292	0
217	C	387.376	704.174	19	120.292	0
218	C	223.011	473.132	17	212.635	0
219	C	237.52	408.783	17	212.635	0
220	C	256.76	349.378	17	212.635	0
222	RE	471.264	518.901	22	174.272	0
223	RE	653.569	721.958	22	80.889	0
224	C	1073.191	1062.011	17	71.637	0

Total Quantity: 221 (20 shown, 202 through 221)

Scale: as noted

Date:9/28/2017

PROJECT #

CASE # 00128019

Drawn By: Donald G. Andrews

Job Name:
Solar Canopy - Conti Solar Westwood
Westwood, MA
OVERVIEW - Comparison to Existing
Lighting Layout
VersionE

Prepared For:
Damin Sales
28 Brunswick Avenue
Edison, NJ 08818-0377
Tel: 888-839-0590

RAB LIGHTING
170 Ludlow Avenue, Northvale, NJ 07647
888 722-1000 • RABWEB.COM

PRT55N

This ultra high efficiency LED garage light delivers up to 118 lumens per Watt. Available in 30, 42 and 55 Watt versions that replace 70 to 175 Watt metal halide fixtures.

Color: Bronze Weight: 10.6 lbs

Project:	Type:
Solar Canopy - Conti Solar Westw	A
Prepared By:	**Date:**
DGA	9/27/17

Driver Info		LED Info	
Type:	Constant Current	Watts:	55W
120V:	0.5A	Color Temp:	4000K
208V:	0.33A	Color Accuracy:	73 CRI
240V:	0.32A	L70 Lifespan:	100000
277V:	0.31A	Lumens:	5302
Input Watts:	57W	Efficacy:	93 LPW
Efficiency:	96%		

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Electrical

Drivers:

Constant Current, Class 2 100V - 277V, 50/60 Hz. THD <20%.

Construction

Lens:

Frosted polycarbonate

Gaskets:

High temperature silicone.

IP Rating:

Ingress Protection rating of IP66 for dust and water

Ambient Temperature:

SuitableFor use in 40°C (104°F) ambient temperatures.

Finish:

Formulated for high-durability and long lasting color.

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior thermal management with external "Air-Flow" fins.

Housing:

Die-cast aluminum and sheetmetal housing

Mounting:

Die-cast aluminum backbox with (4) 1/2" conduit openings with plugs. Hinged tether for easy installation and wiring. Also accomodates 1/2" or 3/4" NPS pendants (provided by others).

Lens:

High-transmission and vandal-resistant polycarbonate frosted lens

Reflector:

Specular polycarbonate

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

LED Characteristics

LEDs:

Long-life, high-efficiency surface mounting LEDs

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Other

California Title 24:

See PORTO with 0-10V dimming (/D10) driver for a compliant California Title 24.

Warranty:

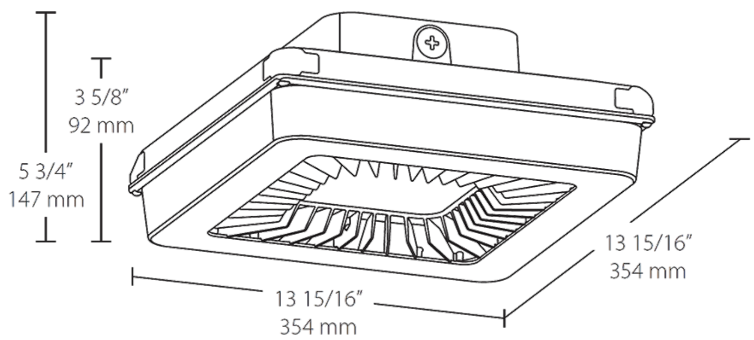
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

PRT55N

Dimensions



Features

- Ultra-high efficiency
- Pendant or surface mount
- IP 66 rated, keeps water and dust out
- Low glare, vandal-resistant polycarbonate lens
- 20% uplight eliminates "cave effect"
- 100,000-Hour LED lifespan
- 5-year warranty

Ordering Matrix

Family	Watts	Color Temp	Finish	Voltage	Dimming
PRT	55	N			
	30 = 30W **42** = 42W **55** = 55W	**Blank** = 5000K (Cool) **Y** = 3000K (Warm) **N** = 4000K (Neutral)	**Blank** = Bronze **W** = White	**Blank** = 120-277V **/480** = 480V	**Blank** = No Dimming **/D10** = Dimmable

WPLED26

LED 26W Wallpacks. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze   Weight: 7.5 lbs

Project:	Type:
Solar Canopy - Conti Solar Westw	C
Prepared By:	**Date:**
DGA	9/28/17

Driver Info

Type:	Constant Current
120V:	0.26A
208V:	0.16A
240V:	0.14A
277V:	0.12A
Input Watts:	30W
Efficiency:	88%

LED Info

Watts:	26W
Color Temp:	5000K
Color Accuracy:	73 CRI
L70 Lifespan:	100000
Lumens:	3475
Efficacy:	118 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code:_P0000170I

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Finish:

Formulated for high-durability and long lasting color.

Ambient Temperature:

SuitableFor use in 40°C (104°F) ambient temperatures.

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Electrical

Driver:

Multi-chip 26W high output long life LED Driver Constant Current, 720mA, Class 2, 6kV Surge Protection, 100V-277V, 50-60 Hz, 100-240V.4 Amps.

Other

California Title 24:

See WPLED26/PC for a 2013 California Title 24 compliant model.

Patents:

The WPLED design is protected by U.S. Pat. D634878, Canada Pat 134878, China Pat. CN301649064S.

Equivalency:

Equivalent to 175W Metal Halide.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

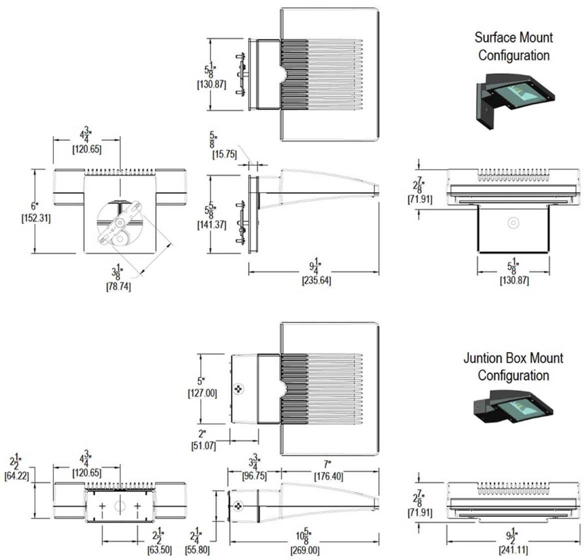
B1 U0 G0

BUG Rating:

B1 U0 G0

WPLED26

Dimensions



Features

- High performance LED light engine
- Maintains 70% of initial lumens at 100,000 hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins
- 100 up to 277 Volts
- 5-year warranty

Ordering Matrix

Family	Watts	Color Temp	Sensor	Finish	Photocell	Dimming
WPLED						
	26 = 26W	**Blank** = 5000K (Cool) **Y** = 3000K (Warm) **N** = 4000K (Neutral)	**Blank** = No Sensor **MS** = Mini Sensor	**Blank** = Bronze **W** = White	**Blank** = No Photocell **/PC** = 120V Button **/PCS** = 120V Swivel **/PC2** = 277V Button	**Blank** = No Dimming **/D10** = Dimmable