

A. GENERAL STRUCTURAL REQUIREMENTS

1. ALL METHODS OF CONSTRUCTION, DETAILS, NOTES, ETC., INDICATED ON THE DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
2. CONSTRUCTION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.
3. ANY DISCREPANCIES ON THESE PLANS WITH REGARD TO DIMENSIONS OR CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.
4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT AND THE RHODE ISLAND STATE BUILDING CODE.
5. THE LATEST EDITION OF THE FOLLOWING LISTED CODES SHALL APPLY. IN CASE OF CONFLICT, THE MORE RIGID REQUIREMENTS AND CODES SHALL GOVERN.
 - * RHODE ISLAND STATE BUILDING CODE (STATE CODE): INTERNATIONAL BUILDING CODE, 2015 EDITION AND ITS APPLICABLE REFERENCED STANDARDS
 - * AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318.
6. THE DESIGN LOADS ARE RESISTED BY THE COMPLETED STRUCTURE ACTING AS A UNIT. THE CONTRACTOR SHALL DESIGN AND PROVIDE ANY AND ALL TEMPORARY BRACING, SHORING, OR ADDITIONAL REINFORCEMENT NECESSARY TO RESIST LOADS IMPOSED ON ANY PORTION OF THE STRUCTURE THROUGHOUT ALL STAGES OF CONSTRUCTION. THE SHORING SHALL BE DESIGNED TO RESIST ALL DEAD LOADS AND ANY APPLICABLE CONSTRUCTION LOADS.
7. NOTES AND TYPICAL DETAILS APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN PROVIDE DETAILS OF SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
8. PLANS SHALL NOT BE SCALED FOR DIMENSIONS.
9. SITE/CIVIL AND THE LIGHTING PLAN DRAWINGS MUST BE USED IN CONJUNCTION WITH THE STRUCTURAL DRAWINGS DURING ALL PHASES OF CONSTRUCTION.

B. DESIGN LOADS

1. GENERAL:
 - RISK CATEGORY II
2. WIND LOADS:
 - IMPORTANCE FACTOR 1.0
 - ULTIMATE DESIGN WIND SPEED (Vult) 134 mph
 - NOMINAL DESIGN WIND SPEED (Vasd) 104 mph
 - EXPOSURE CATEGORY C
3. EARTHQUAKE LOADS:
 - IMPORTANCE FACTOR 1.0
 - MAPPED SPECTRAL RESPONSE ACCELERATIONS (Ss, Sl) 0.178, 0.062
 - SITE CLASS D
 - DESIGN SPECTRAL RESPONSE COEFFICIENTS (Sds, Sdl) 0.19, 0.099
 - SEISMIC DESIGN CATEGORY B
4. THIS FOUNDATION WAS DESIGNED BASED ON THE FOLLOWING INFORMATION PROVIDED TO PARE:
 - 4.1. 9 FIXTURE OUTFIELD LIGHT POLE, LAYOUTS PER OMNILITE PLAN DATED 10/25/2020
 - 4.2. 50FT POLE BY VALMONT SUPPORTING ACR-4 AND ACR-5 BRACKET SYSTEM.
 - 4.3. LIGHTS ARE BY CREE LIGHTING - OSQ SERIES SINGLE FIXTURES. LUMINAIRES EPA WAS DETERMINED BASED ON TILTS SET IN OMNILITE LIGHTING PLAN.


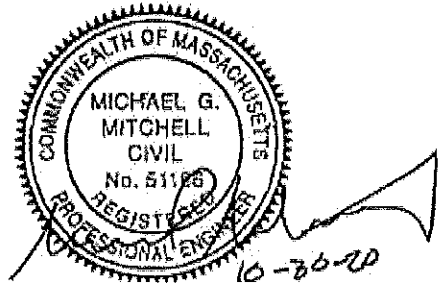
C. FOUNDATIONS

1. NEW FOUNDATIONS HAVE BEEN DESIGNED BASED UPON A PRESUMED ALLOWABLE BEARING PRESSURE. REFER TO GEOTECHNICAL REPORT DATED SEPTEMBER 2020, PREPARED BY PARE CORPORATION.
 - * FOUNDATIONS WITH MINIMUM EMBEDMENT 40". 3.0ksf
2. NO FOUNDATIONS SHALL BE PLACED ON FROZEN SOIL OR IN WATER.
3. FOUNDATIONS SHALL REST ONLY ON SUITABLE UNDISTURBED BEARING MATERIAL.
4. EXCAVATION SHALL BE BY THE AUGER METHOD TO THE NEAT LINES OF THE OUTSIDE DIMENSION OF THE FOUNDATIONS WITHOUT DISTURBING THE SOIL AROUND AND BELOW THE PROPOSED FOUNDATION BOTTOM. ALTERNATE METHODS OF EXCAVATION MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL IF THEY MEET THE REQUIREMENTS LISTED IN NOTES 5, 6, AND 7.
5. THE EARTH WALLS OF THE FOUNDATION SHALL BE ADEQUATELY AND SECURELY PROTECTED AT ALL TIMES AGAINST CAVE-INS. DISPLACEMENT OF THE SURROUNDING EARTH AND FOR THE EXCLUSION OF GROUND WATER. THIS MAY BE DONE BY THE USE OF STEEL CYLINDER LINERS OR CASINGS THAT ARE APPROVED BY THE ENGINEER. IF LINERS ARE USED THEY MAY BE RECLAIMED PROVIDED THAT THEY ARE WITHDRAWN AS THE CONCRETE IS BEING PLACED, MAINTAINING A SUFFICIENT HEAD OF CONCRETE WITHIN THE LINER TO PREVENT REDUCTION IN THE FOUNDATION DIAMETER AND TO PREVENT EXTRANEIOUS MATERIAL FROM FALLING IN FROM THE SIDES AND MIXING WITH THE CONCRETE.
6. IF THE SOIL IS DISTURBED OR REMOVED BEYOND THE NEAT LINES OF THE OUTSIDE DIMENSION OF THE FOUNDATION, IT SHALL BE REPLACED WITH THE CONCRETE. ANY ADDITIONAL COST FOR THE CONCRETE SHALL BE PAID FOR BY THE CONTRACTOR
7. SPECIAL CARE SHOULD BE GIVEN TO AREAS WHERE WET SOIL IS ENCOUNTERED, TO INSURE THAT PREAUGERED HOLE DOES NOT COLLAPSE. THIS MAY REQUIRE THE USE OF STEEL CYLINDER LINERS OR CASINGS TO HOLD THE SOIL IN PLACE UNTIL READY FOR CONCRETE PLACEMENT, UPON APPROVAL FROM THE ENGINEER. THE STEEL CYLINDERS OR CASINGS SHALL BE WITHDRAWN AS THE FOUNDATION CONCRETE IS PLACED
8. ALL SURFACE WATER SHALL BE DIVERTED AWAY FROM EXCAVATION BY THE CONTRACTOR. CONTRACTOR SHALL MAINTAIN CONTINUOUS CONTROL OF SURFACE AND SUBSURFACE WATER DURING CONSTRUCTION SO THAT WORK IS DONE UNDER DRY CONDITIONS.
9. SHORING AND BRACING FOR THE LATERAL SUPPORT OF EXCAVATION SHALL REMAIN IN PLACE UNTIL ALL PERMANENT STRUCTURAL SYSTEMS ARE COMPLETE.

D. CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318), SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301) AND STATE CODE.
2. CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED UNDER THE SUPERVISION OF THE APPROVED TESTING AGENCY.
3. UNLESS NOTED OTHERWISE, CONCRETE SHALL BE NORMAL WEIGHT, WITH TYPE II CEMENT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:

5,000 PSI 3/4" AGGREGATE-TYPICAL, U.N.O.





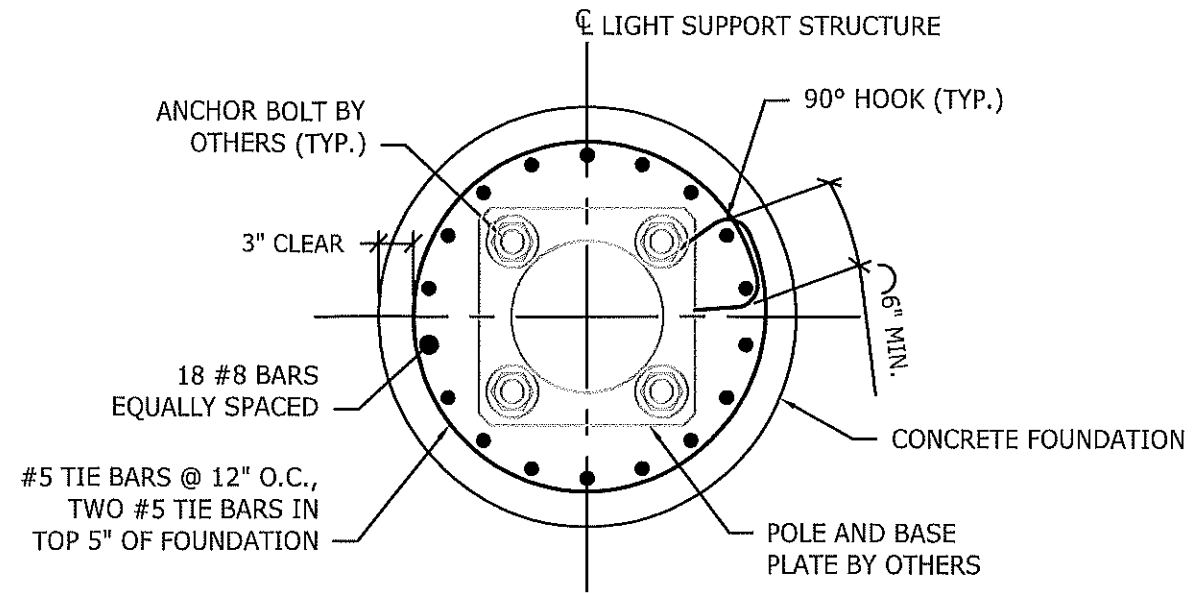
D. CAST-IN-PLACE CONCRETE (CONT.)

4. ALL CONCRETE, SHALL BE AIR-ENTRAINED WITH AN AIR CONTENT OF 6%± 1.5%.
5. CALCIUM CHLORIDE SHALL NOT BE USED.
6. PROVIDE A STEEL TROWELED FINISH FOR TOP OF FOUNDATION BELOW POLE BASE PLATE.
7. ALL EXPOSED EDGES SHALL BE CHAMFERED 1" UNLESS NOTED OTHERWISE.
8. ALL CONCRETE SHALL BE PLACED IN THE DRY.
9. PROVIDE NON-SHRINK, NON-METALLIC GROUT UNDER ALL BASE PLATES. PROVIDE MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 8,000PSI FOR GROUT.
10. SUBMIT CONCRETE MIX DESIGN TO ENGINEER FOR APPROVAL, INCLUDE BREAK-TEST REPORT FOR MIX.
11. OWNER SHALL ENGAGE SPECIAL INSPECTOR FOR CONCRETE TESTING. TESTING SHALL BE AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. TEST INCLUDE: TEMPERATURE; AIR ENTRAINMENT ASTM C173; SLUMP ASTM C143; COMPRESSIVE STRENGTH TESTS ASTM C39. INSPECTOR SHALL PREPARE CYLINDER SAMPLES FOR LAB BREAK TESTS 1 AT 7-DAYS, 2-AT 28-DAYS AND 1 AT 56-DAYS (IF REQUIRED)

E. REINFORCING STEEL

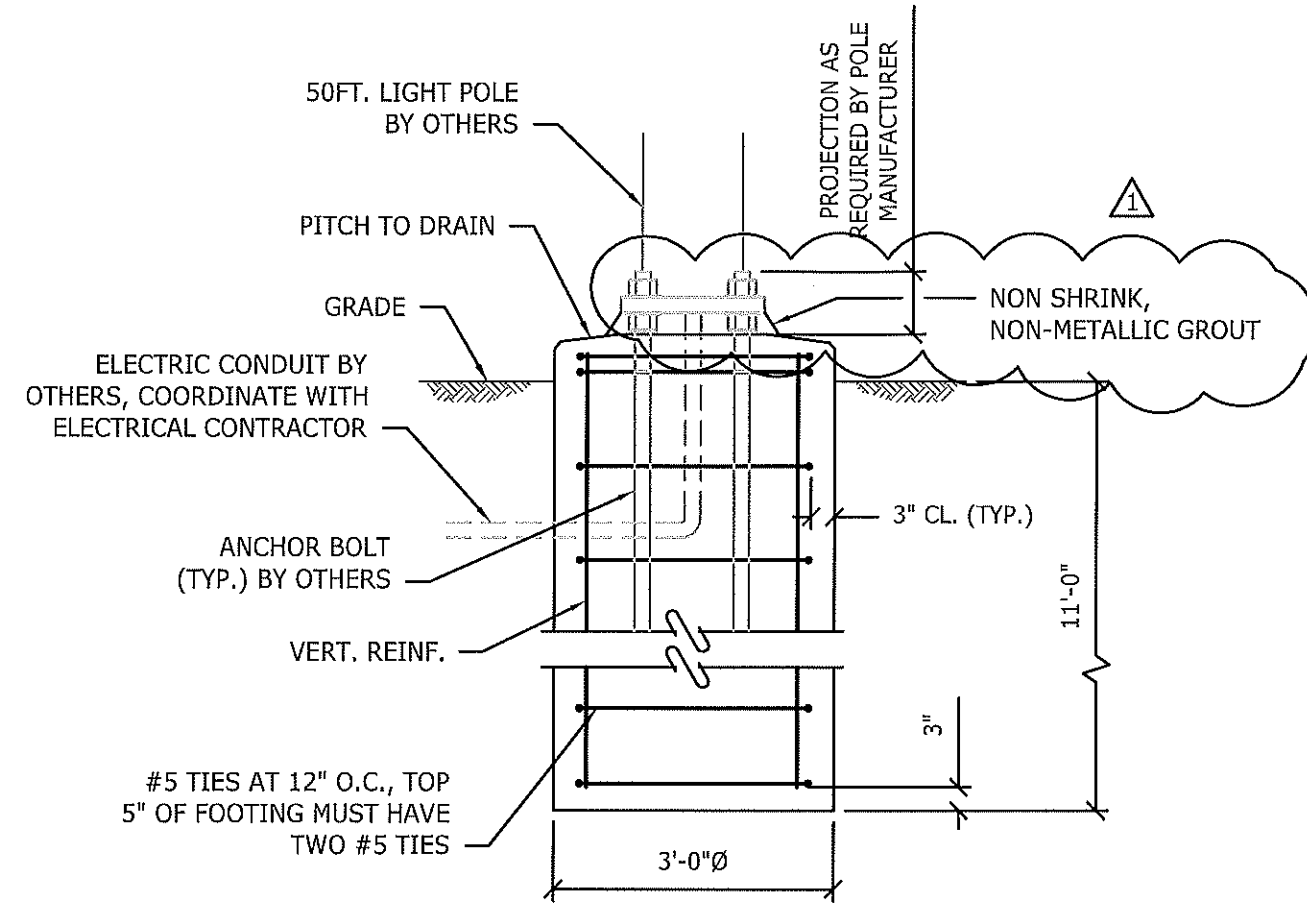
1. REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES AND THE STATE CODE.
 2. COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. ALL ACCESSORIES MUST BE SHOWN ON THE SHOP DRAWINGS.
 3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
 4. REINFORCING STEEL SHALL BE UNCOATED, UNLESS NOTED OTHERWISE. HOWEVER, ALL SUPPORTS SUCH AS CHAIRS, BOLSTERS, SPACERS, BLOCKS AND HANGERS SHALL BE OF NON-CORROSIVE MATERIAL. PROVIDE MINIMUM #5 SUPPORT BAR.
 5. UNLESS NOTED ON THE DRAWINGS, THE MINIMUM CONCRETE PROTECTION (CLEAR COVER) FOR CAST-IN-PLACE CONCRETE COVER SHALL BE 3"
 6. SPLICING OF REINFORCEMENT NOT PERMITTED.
 7. BARS SHALL NOT BE CUT OR OMITTED FOR CONDUIT PLACEMENT. BARS MAY BE MOVED Laterally WITHOUT CHANGING THE DISTANCE FROM THE FACE OF CONCRETE. NO BARS SHALL BE BENT IN FIELD WITHOUT APPROVAL OF THE ENGINEER.
- PIPES AND SLEEVES EMBEDDED IN CONCRETE SHALL NOT BE LOCATED SO AS TO IMPAIR THE STRENGTH OF THE CONCRETE.
- MINIMUM REINFORCEMENT DEVELOPMENT LENGTH AND LAP SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318 FOR CLASS B LAPS UNLESS OTHERWISE NOTED ON THE DRAWINGS.

 <p>PARE CORPORATION ENGINEERS - SCIENTISTS - PLANNERS 8 BLACKSTONE VALLEY PLACE LINCOLN, RI 02865 401-334-4100</p>	<p>KIMBERLY ANN ROCK MEMORIAL ATHLETIC COMPLEX</p> <p>EAST PROVIDENCE, RI</p>	<p>STRUCTURAL NOTES</p>		<p>DWG No. S-1</p>
		DATE: 10/30/2021	DRAWING REFERENCE:	



NOTE:
REFER TO APPROVED POLE SUBMITTAL FOR LOCATION AND ROTATION OF ANCHOR BOLT PATTERN.

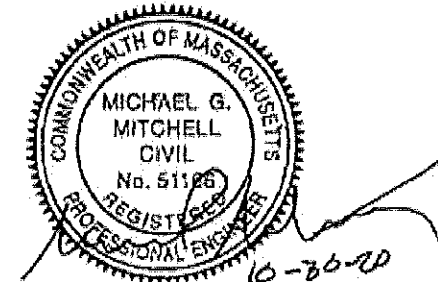
LIGHT POLE FOUNDATION PLAN




LIGHT POLE FOUNDATION DETAIL

LIGHT POLE REQUIREMENTS

1. LIGHT POLE CUT-SHEET AND CALCULATIONS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. SUBMIT THE FOLLOWING INFORMATION FOR REVIEW:
 - 1.1. CALCULATIONS SHOWING THE POLE HAS THE CAPACITY TO WITHSTAND LOADS APPLIED PER CRITERIA ON S-1.
 - 1.2. ANCHORAGE CALCULATIONS BASED ON THE DESIGN CONCRETE STRENGTH, FOUNDATION GEOMETRY AND ACI 318, CHAPTER 17.
 - 1.3. PROVIDE DETAILS FOR ANCHOR PROJECTION REQUIREMENTS AND CONFIGURATION AT THE POLE BASE.

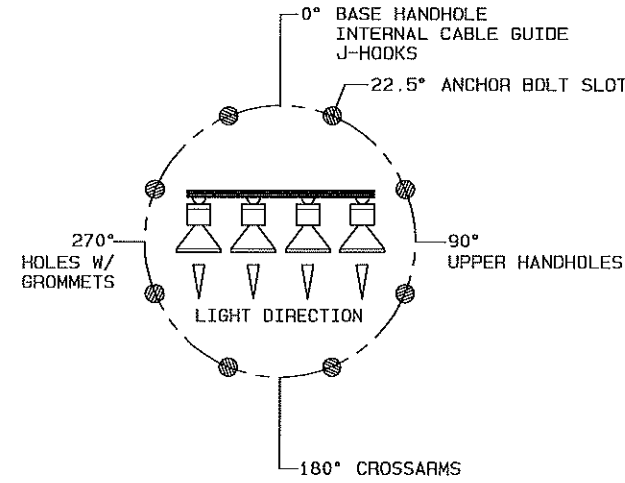
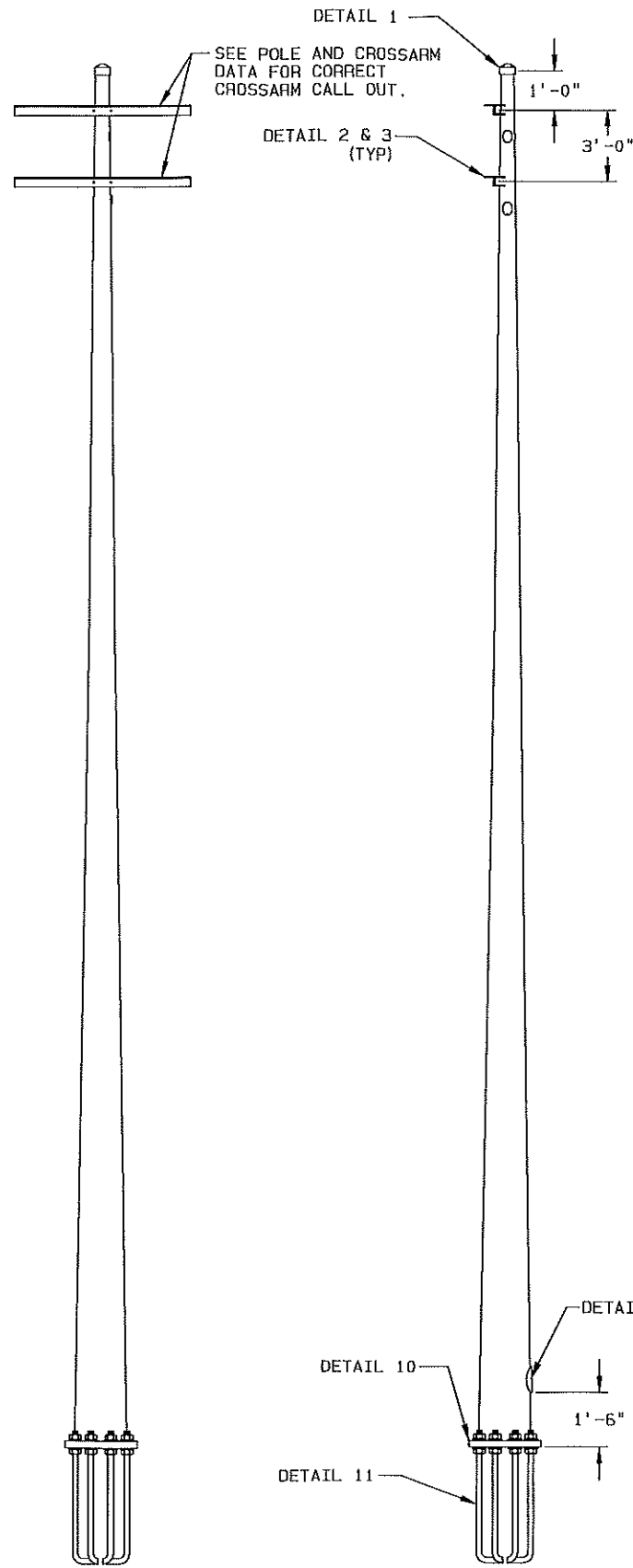


DRAWING REVISED: 1/19/2021

 <p>PARE CORPORATION ENGINEERS - SCIENTISTS - PLANNERS 8 BLACKSTONE VALLEY PLACE LINCOLN, RI 02865 401-334-4100</p>	<p>KIMBERLY ANN ROCK MEMORIAL ATHLETIC COMPLEX</p> <p>EAST PROVIDENCE, RI</p>	<p>LIGHT POLE FOUNDATION PLAN AND DETAIL</p>		<p>DWG No. S-2</p>
		<p>DATE: 10/30/2021</p>	<p>DRAWING REFERENCE:</p>	
		<p>DRAWN BY: MSS</p>		

POLE AND CROSSARM DATA

ITEM	QTY.	DESIGN	NOMINAL POLE HEIGHT (FT)	POLE SHAFT				BASE PLATE				ANCHOR BOLT		CROSSARM DATA	
				BASE DIA. (IN)	TOP DIA. (IN)	LENGTH (FT)	GAUGE OR THK. (IN)	SQUARE "S" (IN)	BOLT CIRCLE "Y" (IN)	THK. "M" (IN)	CONCENTRIC SLOT "Z" (IN)	DIA. (IN)	QTY.	CROSSARM DESIGN	FIXT. QTY.
1	2	SPRT09-50-HT05-GV-HH-AB-ACR5	50.00	13.00	6.00	50.00	3	18.50	18.00	2.00	2.25 X 3.04	2.00	4	(1)-CR5	5
2	2	SPRT09-50-HT05-GV-HH-AB-ACR3-ACR4	50.00	13.00	6.00	50.00	3	18.50	18.00	2.00	2.25 X 3.04	2.00	4	(1)-CR4 (1)-CR3	7
3	2	SPRT09-50-HT05-GV-HH-AB-ACR4-ACR5	50.00	13.00	6.00	50.00	3	18.50	18.00	2.00	2.25 X 3.04	2.00	4	(1)-CR4 (1)-CR5	9



LIGHTING ORIENTATION

- ALL HARDWARE TO BE GALVANIZED TO ASTM: A153 (UNLESS OTHERWISE NOTED).
- STRUCTURE FINISH:
 SYSTEM: GALVANIZED (GV)
 BASE COAT: HOT-DIP GALVANIZED TO ASTM A123
 PRIME COAT: NONE
 FINISH COAT: NONE
 COLOR: NONE
 SPEC: F-1
- ALL WELDS SHALL CONFORM TO AWS SPEC: D1.1.
- POLES OVER 50' IN HEIGHT ARE PROVIDED WITH INTERNAL CABLE GUIDE(S) AND HANDHOLE(S) SPACED PROPORTIONALLY WITH A MAXIMUM SPACING OF 50' BETWEEN GUIDES OR TOP/BASE OF POLE.
- HANDHOLE SIZE IS DETERMINED BY SHAFT DIAMETER AT THE HANDHOLE LOCATION. SEE BELOW:

SHAFT DIAMETER	HANDHOLE SIZE
3.75" - 6.25"	3.00" X 5.00"
6.25" - 12.50"	4.00" X 6.50"
12.50" & LARGER	5.00" X 8.00"

DESIGN INFORMATION
 CRITERIA - 2009 AASHTO
 WIND VELOCITY - 100 M.P.H.
 FATIGUE CATEGORY N/A

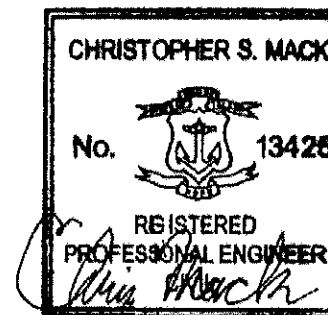
GENERAL NOTES

ALTHOUGH RARE, VIBRATIONS SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN STRUCTURES OF ALL TYPES. BECAUSE THEY ARE INFLUENCED BY MANY INTERACTING VARIABLES, VIBRATIONS ARE GENERALLY UNPREDICTABLE. THE USER'S MAINTENANCE PROGRAM SHOULD INCLUDE OBSERVATION FOR EXCESSIVE VIBRATION AND EXAMINATION FOR ANY STRUCTURAL DAMAGE OR BOLT LOOSENING. THE VALMONT WARRANTY SPECIFICALLY EXCLUDES FATIGUE FAILURE OR SIMILAR PHENOMENA RESULTING FROM INDUCED VIBRATION, HARMONIC OSCILLATION OR RESONANCE ASSOCIATED WITH MOVEMENT OF AIR CURRENTS AROUND THE PRODUCT.

VIBRATION DISCLAIMER

MATERIAL DATA

COMPONENT	ASTM DESIGNATION	MIN YIELD (KSI)
TAPERED SHAFTS	A595 GR. A OR A572	55
HANDHOLE RIM	A572 GR. 50	50
HANDHOLE COVER	A36	36
BASE PLATE	A36	36
ANCHOR BOLTS	F1554 GR. 55	55
HARDWARE COATING	HOT DIP ZINC	--



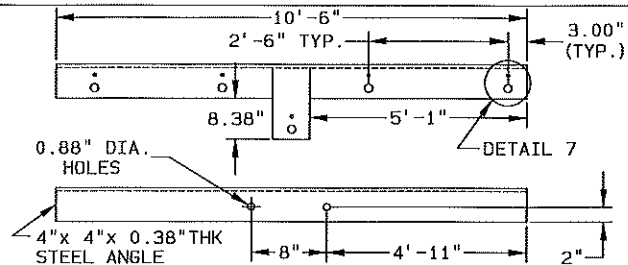
Christopher Mack
 Expires 6-30-2021
 2021-01-14
 09:10-06:00

REV			DESCRIPTION			SOLD TO: REXEL ENERGY SOLUTIONS SHIP TO: RUMFORD LITTLE LEAGUE P.O. #: S2649958 AGENT: DMNILITE			JOB KIMBERLY ANN ROCK FIELD CR SPORTSLIGHTING POLES TITLE SPORTS LIGHTING STRUCTURES			VALMONT INDUSTRIES, INC. RESERVES THE RIGHT TO INSTALL VARIOUS, ENGINEER APPROVED, MATERIAL HANGING ACCOMMODATIONS TO FACILITATE THE MANUFACTURING PROCESS. Valley, NE 68064 (402) 359-2201			ORDER NUMBER: 468191-P1 PAGE NUMBER: 1 OF 2 DRAWING NUMBER RI468191P1 REV A		
A	JEM 01/13/21	JEM 01/13/21	REMOVED FATIGUE FROM DESIGN NOTES														
	KB8 04/24/20	JEM 05/04/20															

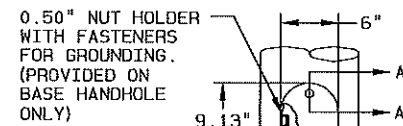
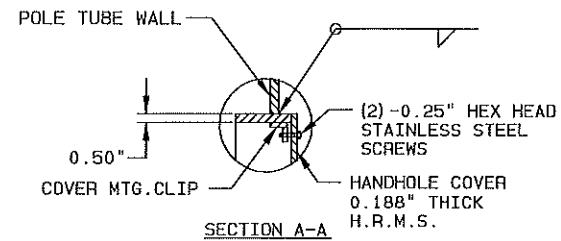
REMOVABLE TOP CAP SUPPLIED
W/ (3) -0.25" STAINLESS STEEL
SET SCREWS



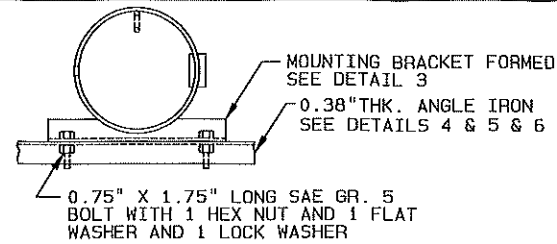
DETAIL 1 POLE TOP CAP



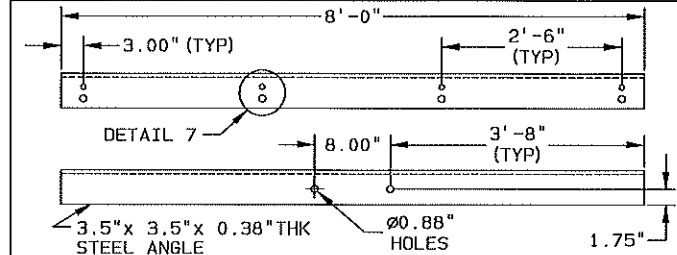
DETAIL 4 ANGLE ARM-(ACR5) - SEE NOTE 1



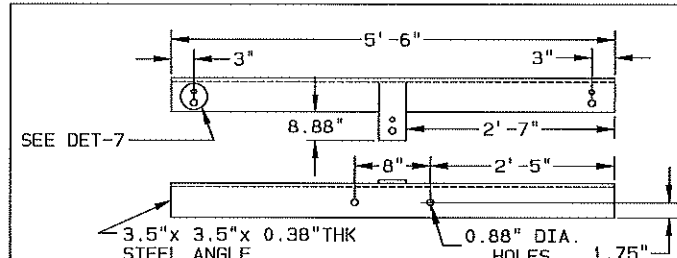
DETAIL 9 5" X 8" HANDHOLE



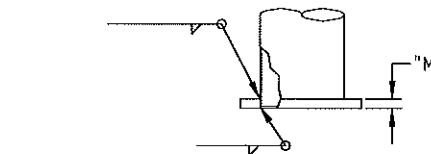
DETAIL 2 LUMINAIRE ARM MOUNTING



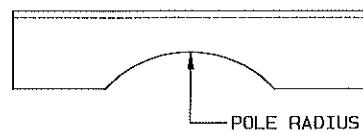
DETAIL 5 ANGLE ARM-(ACR4) - SEE NOTE 1



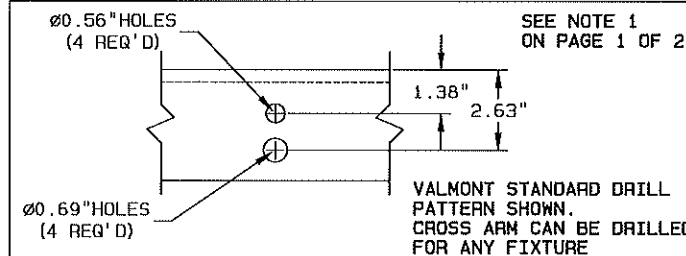
DETAIL 6 ANGLE ARM-(ACR3) - SEE NOTE 1



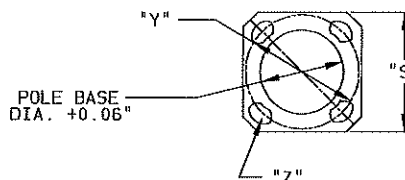
DETAIL 10 POLE BASE



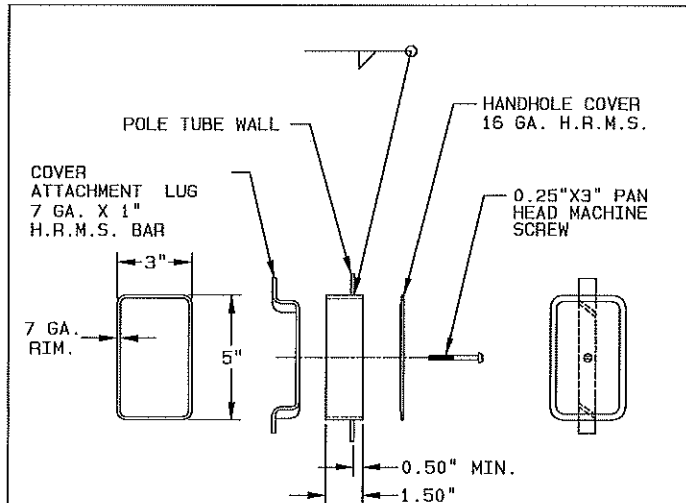
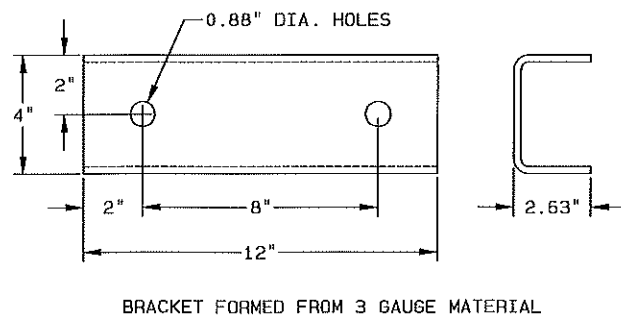
DETAIL 3 MOUNTING BRACKET



DETAIL 7 CROSS ARM DRILL PATTERN



DETAIL 11 ANCHOR BOLT



DETAIL 8 3" X 5" HANDHOLE

JOB KIMBERLY ANN ROCK FIELD
CR SPORTSLIGHTING POLES
TITLE SPORTS LIGHTING STRUCTURES

VALMONT INDUSTRIES, INC. RESERVES
THE RIGHT TO INSTALL VARIOUS,
ENGINEER APPROVED, MATERIAL HANGING
ACCOMMODATIONS TO FACILITATE THE
MANUFACTURING PROCESS.

valmont
Valley, NE 68064
(402) 359-2201

CHRISTOPHER S. MACK
No. 13425
REGISTERED
PROFESSIONAL ENGINEER

ORDER NUMBER: 468191-P1
PAGE NUMBER: 2 OF 2
DRAWING NUMBER RI468191P1
REV A

Erik Skadberg

From: Provencher, John <John.Provencher@RexelEnergy.com>
Sent: Thursday, October 01, 2020 4:37 PM
To: eskadberg@eastprovidenceri.gov; mmitchell@parecorp.com
Subject: Re: Kimberly Ann Memorial Athletic Complex
Attachments: OSQ Series Medium Spec Sheet.pdf

Ordered	Product Description	Unit
26ea	CREE OSQANM15DU40K-ULBZ 40K NO MOUNT 15 DEGREE BEAM SPREAD 120-277V 4000K BRONZE 215W 20427 LUMENS ** Above not returnable RMA RQD ** <<** 26 Tagged to P1230885 **>>	
8ea	CREE OSQANM25DU40K-ULBZQ9-7PIN 215W LED 25 DEGREE FLOOD 4000K UNV BRONZE w/ 7-PIN RECEIPT ** Above not returnable RMA RQD ** <<** 8 Tagged to P1230885 **>>	
8ea	CREE OSQANM40DS40K-ULBZ7PIN 223W LED FLOOD (750W/1000W) ** Above not returnable RMA RQD **	
42ea	CREE OSQ-TM-BZ OSQ TRUNNION MOUNT BRONZE ** Above not returnable RMA RQD ** <<** 42 Tagged to P1237128 **>> FREIGHT CHARGE FOR XPO LOGISTICS 922092021	

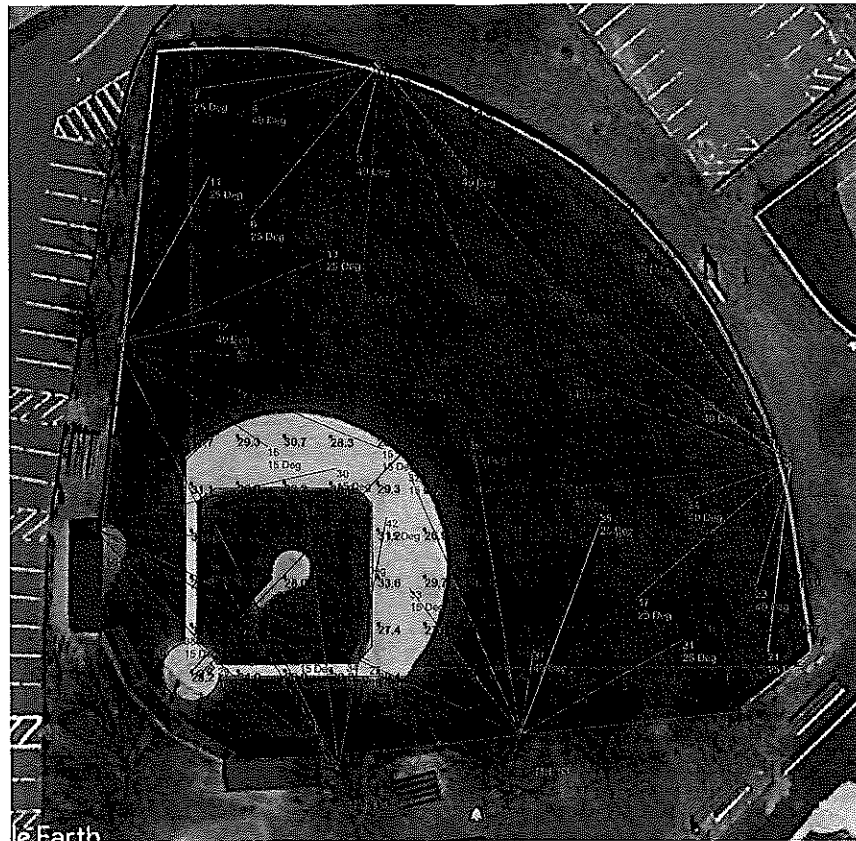
SUBTOTAL

Total Amount

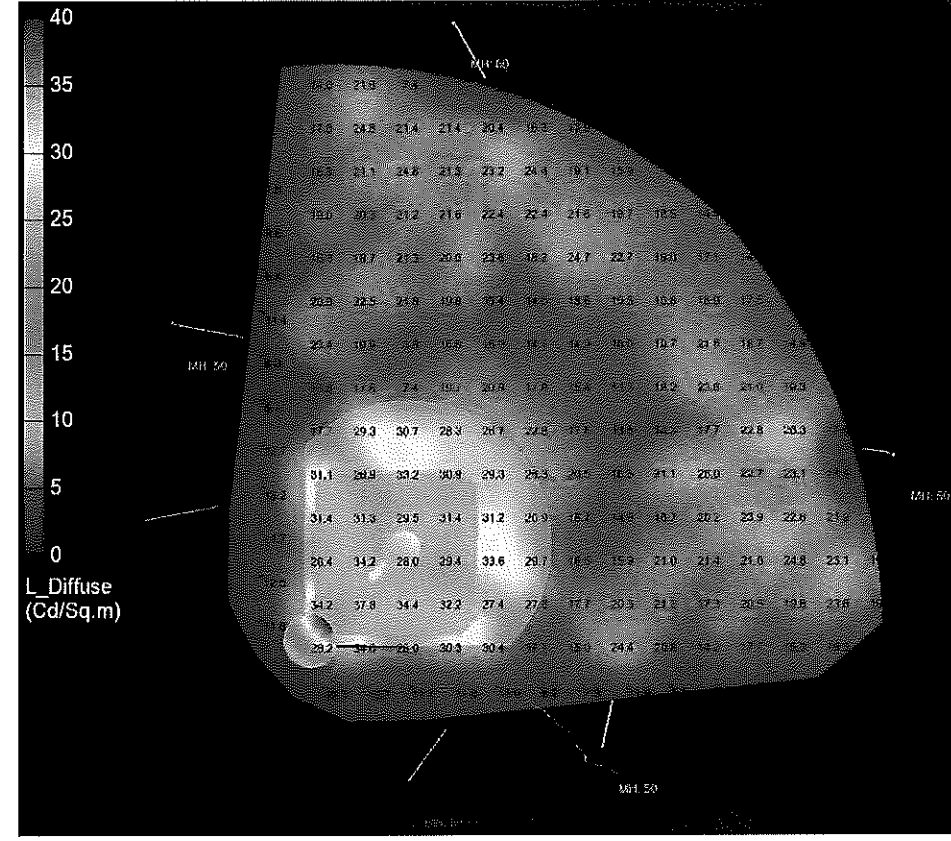
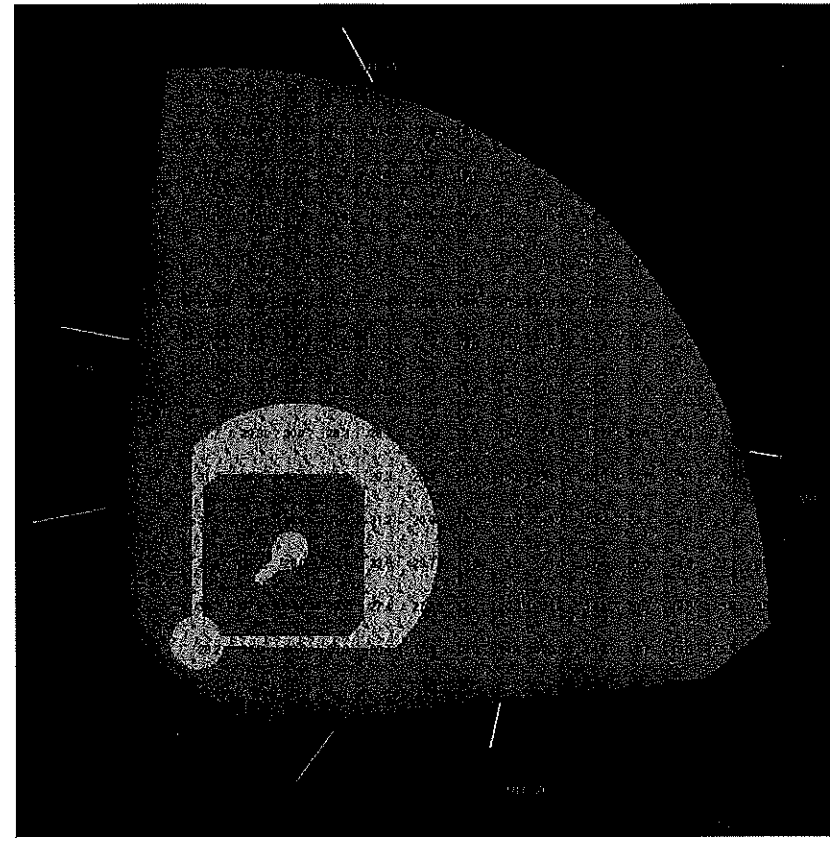
any questions.

Please see attached please advise you have the pole layout and fixtures mounting layout please call me with

John Provencher
Vice President - Sales



Scale: 1 inch = 30 Ft.



Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Lum. Watts	Arr. Watts	Total Watts
▲	26	15 Deg	SINGLE	26051	0.930	OSQ-A-xx-15D-U-40K-UL	215	215	5590
▲	8	25 Deg	SINGLE	26051	0.930	OSQ-A-xx-25D-U-40K-UL	215	215	1720
▲	8	40 Deg	SINGLE	26051	0.930	OSQ-A-xx-40D-U-40K-UL	215	215	1720

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Foul Ball Area	illuminance	Fc	9.63	13.2	5.3	1.82
Infield	illuminance	Fc	30.25	37.8	26.0	1.16
Outfield	illuminance	Fc	19.31	26.3	13.5	1.43

Expanded Luminaire Location Summary									
LumNo	Label	X	Y	Z	Orient	Tilt	X-Aimpt	Y-Aimpt	Z-Aimpt
1	15 Deg	61.162	193.257	50	265	54	55.164	124.7	0
2	15 Deg	61.876	193.464	50	308	60	115.194	125.22	0
3	40 Deg	61.001	193.286	50	255	30	53.53	165.402	0
4	40 Deg	60.304	193.96	50	197	40	20.182	181.694	0
5	40 Deg	61.889	193.475	50	309	39	87.37	162.009	0
6	25 Deg	60.617	193.483	50	230	52	19.48	144.458	0
7	25 Deg	60.259	194.108	50	188	50	1.251	185.815	0
8	15 Deg	61.644	193.32	50	293	56	90.608	125.085	0
9	15 Deg	62.082	193.682	50	326	59	131.07	147.149	0
10	15 Deg	-22.259	104.852	50	353	62	71.076	93.392	0
11	15 Deg	-22.813	104.075	50	296	50	3.309	50.518	0
12	40 Deg	-22.273	105.182	50	12	32	8.288	111.678	0
13	25 Deg	-22.324	105.349	50	22	55	43.884	132.099	0
14	25 Deg	-22.765	105.849	50	61	50	6.124	157.966	0
15	15 Deg	-22.325	104.598	50	338	61	61.309	70.808	0
16	15 Deg	-22.432	104.399	50	325	49	24.684	71.408	0
17	25 Deg	191.964	65.259	50	221	52	143.665	23.273	0
18	15 Deg	191.923	66.517	50	143	60	122.759	118.636	0
19	15 Deg	192.123	66.717	50	126	59	143.211	134.039	0
20	15 Deg	191.784	66.283	50	158	56	123.054	94.052	0
21	25 Deg	192.595	64.911	50	263	50	185.333	5.767	0
22	15 Deg	191.728	65.799	50	186	54	123.286	58.605	0
23	40 Deg	192.519	64.772	50	254	39	181.359	25.851	0
24	40 Deg	191.849	65.407	50	199	34	159.961	54.427	0
25	40 Deg	191.986	66.321	50	144	34	164.702	86.144	0
26	15 Deg	-31.137	45.995	50	329	57	34.859	6.341	0
27	15 Deg	-31.096	46.066	50	334	63	57.103	3.048	0
28	15 Deg	-30.995	46.398	50	354	59	51.763	37.7	0
29	15 Deg	-31.302	45.759	50	313	51	10.808	0.602	0
30	15 Deg	-31.022	46.711	50	13	58	46.944	64.711	0
31	25 Deg	106.369	-20.218	50	30	50	157.973	9.576	0
32	15 Deg	105.12	-19.797	50	113	61	69.875	63.235	0
33	15 Deg	104.9	-19.92	50	127	49	70.285	26.016	0
34	15 Deg	104.597	-20.296	50	155	50	50.592	4.887	0
35	25 Deg	105.861	-19.785	50	69	55	131.451	46.88	0
36	15 Deg	105.347	-19.732	50	99	62	90.636	73.147	0
37	40 Deg	105.513	-19.804	50	81	28	109.672	6.454	0
38	15 Deg	46.491	-30.2	50	139	51	-0.108	10.308	0
39	15 Deg	47.137	-29.869	50	97	59	36.996	52.725	0
40	15 Deg	46.736	-30.018	50	122	57	5.936	35.276	0
41	15 Deg	46.806	-29.976	50	117	63	2.256	57.459	0
42	15 Deg	47.433	-29.887	50	79	58	62.701	48.66	0

These drawings are for conceptual use only and are not intended for construction. Values represented are an approximation generated from manufacturers photometric inhouse or independent lab tests with data supplied by lamp manufacturers.

#	Date	Comments

Revisions

Drawn By: Joe Frey
 Checked By:
 Date: 10/25/2018

Omnilite Sales: Steve Zimmer
 Scale: 1" = 30'

Kimberly Ann Rock
Memorial Baseball Complex