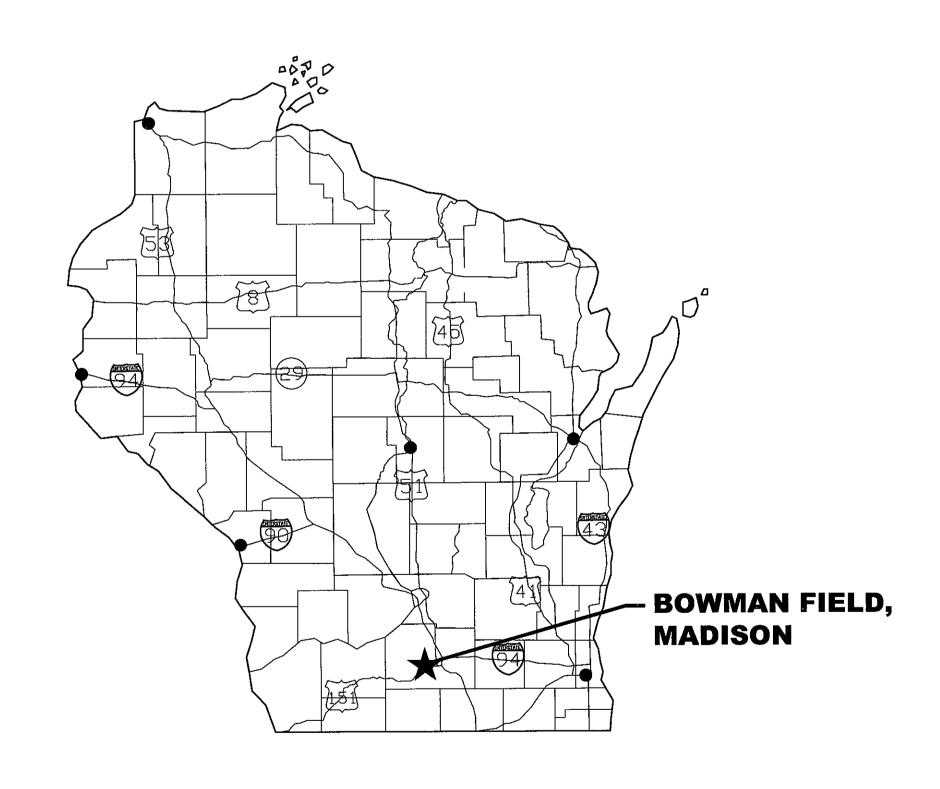
## BOWMAN LIGHTING DISTRIBUTION SYSTEM

**FOR THE** 

## CITY OF MADISON MADISON, WISCONSIN JULY 2013



BOWMAN FIELD 1801 FISH HATCHERY ROAD MADISON, WISCONSIN

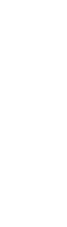
## LIST OF DRAWINGS

SHEET NO. DRAWING NO. DRAWING TITLE

1	G0.1	TITLE SHEET, LOCATION MAP, AND LIST OF DRAW
2	G0.2	<b>ELECTRICAL SYMBOLS AND ABBREVIATIONS</b>
3	E1.0	ELECTRICAL SITE PLAN
4	E5.1	ELECTRICAL DETAILS
5	E6.1	ELECTRICAL ONE-LINE DIAGRAM AND SCHEDULES

PROJECT LOCATION MAP







910 West Wingra Drive

Madison, WI 53715

608-251-8655 fax

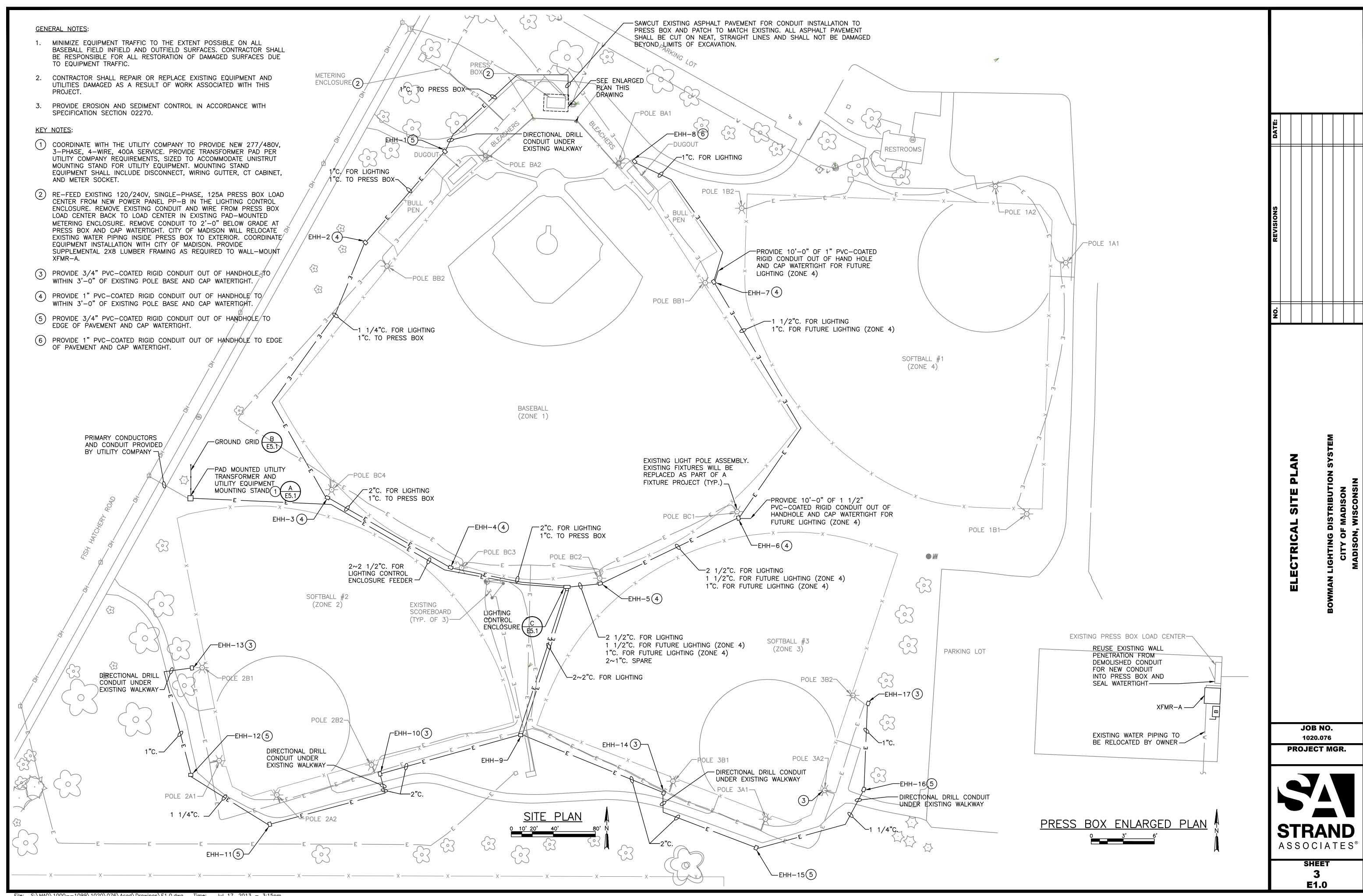
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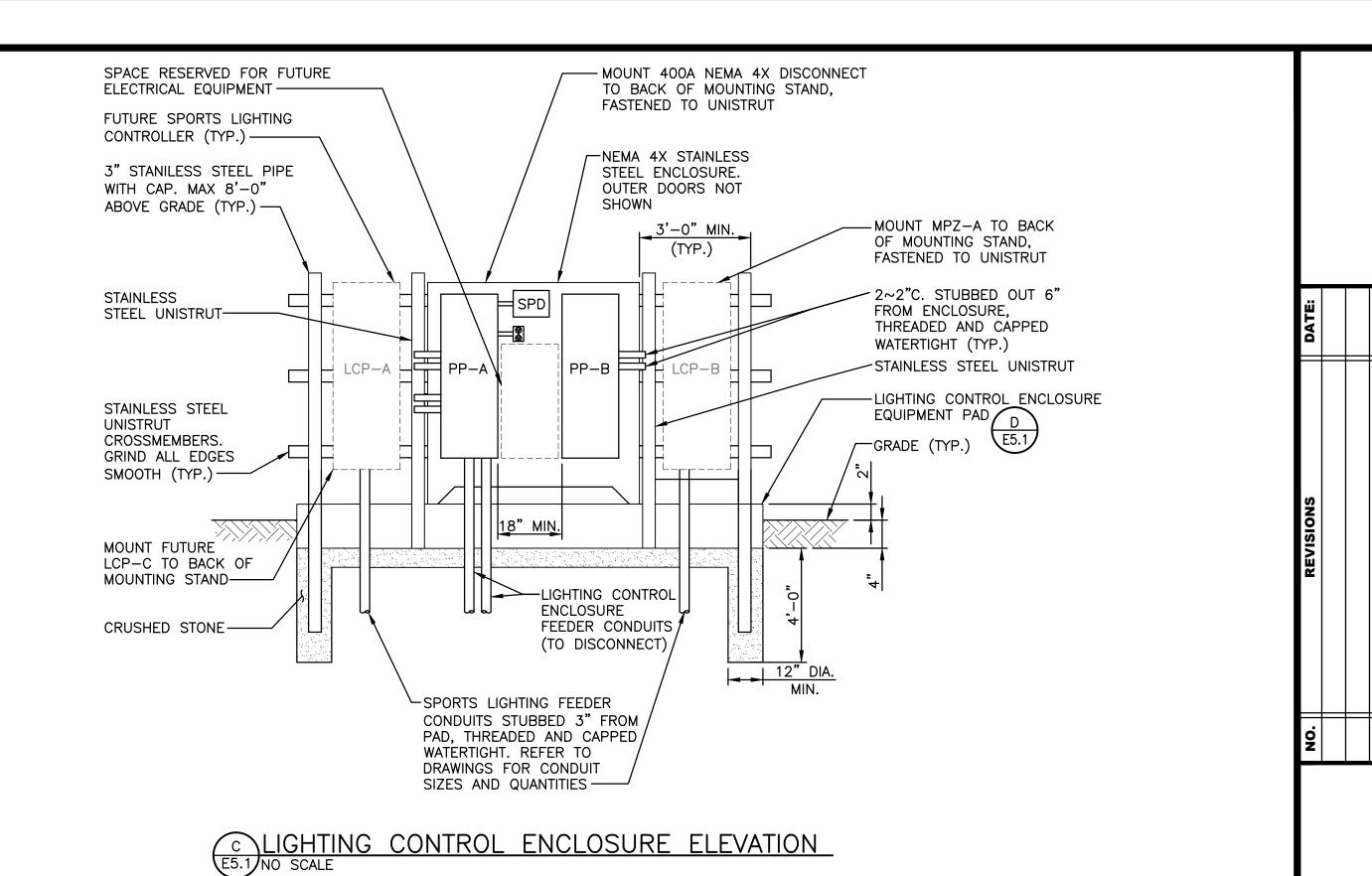


## 15   10   10   10   10   10   10   10	ECTRICAL AB	BREVIATIONS	ELECTRICAL AB	BREVIATIONS	ELECT	TRICAL SYMBOLS	<u>INSTRU</u>	MENTATION EQUIPMENT	<u>EQUIPM</u>	MENT AND WIRING		
## COLOR PROPERTY OF THE PROPE						LIQUENIA	<b>⟨</b> AE <b>⟩</b>	ANALYSIS ELEMENT	<b>I</b> ├──	GROUND ROD 10'-5/8" DIA. COPPER CLAD		
Authors	V :				Δ 2		*			TRANSFORMER		
Color   Colo	M				<del>                                     </del>		AII	*: DO=DISSOLVED OXYGEN, PH=PH, TRB=TURBIDITY, TSS=TOTAL SUSPENDED SOLIDS, GD=GAS DETECTOR,	<b>\\\\</b>	DISCONNECT. F=FUSED.		
According   10   September   10   Sept	J					2-INDICATES CIRCUIT NUMBER		CA=CHLORINE ANALYZER, OP=OXYGEN PURITY,	EH	B=CIRCUIT BREAKER,		
Company   Comp						SOLID CIRCLE INDICATES	$\langle cs \rangle$		<b>5</b>		اننا	
Application of the content of the						ALWAYS ON	₩1,2	52.102 1112			TA	
Manufacture Co. 2	S		Ø		×	INCANDESCENT, HID, SURFACE		· · · · · · · · · · · · · · · · · · ·	R			
Control   Cont	3				. ~		(DE)	DENSITY ELEMENT	IJ			
Control registers   1	ATV				HQ	INCANDESCENT, HID, WALL	\(\text{DIT}\)	DENSITY INDICATING TRANSMITTER	<u> </u>			
Manual   1			ОТ		$\vdash \bigcirc \vdash$			FLOW ELEMENT	<u> </u>			
CONSISTENCY CONSIS	TV		P				⟨FE⟩		<b>⊕</b>			
Comment and the process of the proce	CT ₹		PC PB				*		V) P-0	01-01 480V LOAD, REFER TO MCC SCHEDULE		
Control   Cont							VIII/		VFD	FOR EQUIPMENT NUMBER	S	
MEST CHART   10   MANUAL   1					$ \gamma$ -	FLOORESCENT, WALL	<b>F</b> S*	FLOW SWITCH	$\boxtimes$	VARIABLE FREQUENCY DRIVE		
SECURITY OF SECURI			PR DDI			1X4 FLUORESCENT, RECESSED	\13	*: P=PADDLE, T=THERMAL,				
Description   Fig.   Section   The Control   The Contro	SC .		PS			TAT TEGOREGEM, REGEGEE	*					
Description Procedure   Pro			PT		0	2X2 FLUORESCENT, RECESSED	\n3					
Description of the property   P	<i>f</i> <b>j</b>							DOWED ELEVEN	<u>TEC</u> HN	NOLOGY SYMBOLS		
NORTHERN	·					2X4 FLUORESCENT, RECESSED	(IE) OR (EE)		<b>A</b>			$  \   \   \  $
### MIRROR CONTROL TO SET 1997  ***CONTROL TO SET 1997								(	^			$  \   \   \   \  $
RESTOR SERVICE STATE OF THE COLOR STATE OF THE COLO	3		RTS	REMOTE TEST SWITCH	0	CAN, FLUORESCENT OR HID	(JIT)	POWER INDICATING TRANSMITTER	$\triangle$	PHONE JACK		
RECEPTION FOR THE   COUNTY	T		RVSS		$\overrightarrow{\Theta}$	EXIT, SURFACE, PENDANT	$\langle \overline{KS} \rangle$	TIME SWITCH		VOICE AND DATA JACKS	<u>o</u>	
THE ALMS MINISTERIOR PROPERTY   SEC.   SECOND PROPERTY   S	L		SC SCADA		<del></del>	OR RECESSED		LEVEL ELEMENT	_ <b>_</b> VOIP	WALL MOUNT VOIP PHONE JACK	Z	
METAL AND PROPERTY AND PROPER	<b>V</b> P	FIRE ALARM ANNUNCIATOR PANEL			Ю	EXII, WALL	(LE)		_			
STATE   STAT	JP		SE	SERVICE ENTRANCE	7-7	EMERGENCY LIGHTING	*	LEVEL INDICATING TRANSMITTER,		SCADA NETWORK JACK		
1.000 APPITED   1.000 APPITE			SEC				(LII)	*: S=SUBMERSIBLE, U=ULTRASONIC	•			
Column   C	\ 5		SH SPD				<u> </u>	LEVEL SWITCH.	•	DATA RACK		
REF PART CONTROL PAREL  SS PARLES STEEL		FLOW METER	SPT		\$		\	*: C=CONDUCTANCE, F=BALL FLOAT,	•	COAX CABLE		
THE THE PROOF OF T	Р		SS	STAINLESS STEEL	\$ <sub>2</sub>	TWO POLE	_	V=VIBRATING FURK, B=BUILDING FLOODING		POWER POLE		
FOLLOW THE INDUSTRIES			SV		\$ <sub>3</sub>	THREE WAY	(PDIT)		<u> </u>			
FALL OUT, LOSS REPRESENDENT TO THE PROTECT OF THE P	IR		3VV TEL		<b>¢</b>	FOUR WAY				PA SYSTEM HORN SPEAKER; 10'-0" AFF	Iõ	
Ges Intowaster in Company (1) The Company of Company (1) Company (	₹	FULL VOLTAGE REVERSING	T	THERMOSTAT	<sup>Ψ</sup> 4		(PIT)	PRESSURE INDICATING TRANSMITTER	' ' •	. WATTAGE TAI	IŽ	
GROUND PAUL PROTECTION GROWNINGST   UIT   ULTRAGROUP CAN METER   1)   UNDERGROUND   UIT   UIT	Λ.		TS2W		<sup>≯</sup> К	KEYED		DDECCLIDE CWITCH	LPAK S	* : WATTAGE TAP	₹	•
GROUND TREE.  U. D. LITTERSONCE CERT TRANSPORTER  U. D. STEP STEP STEP STEP STEP STEP STEP STEP	M P		TYP		\$ <sub>D</sub>	DIMMER	(PS)		$\langle \kappa \rangle$	KEY PAD	<b>I &gt;</b>	<b>≥</b> <b>=</b>
GALANNED ROOF STEEL  INDER OF ATTO   INDER OF	)	•			\$ <sub>M</sub>	MANUAL MOTOR SWITCH (3 PHASE)	$\langle ss \rangle$	SPEED SWITCH	CRD			'ST
HONOUR TARE HORSENATURE HORSEN	RS	GALVANIZED RIGID STEEL			 *	,	<u>√</u> *					SY
HISTORIANS VALUE IN COLORS AND THE PROPERTY OF THE TH	A				φ		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	*: R=RTD, T=THERMOCOUPLE	$\langle MS \rangle$	MOTION SENSOR		Z
HERT WAR CONDUCT WE NOW WARD AND PRODUCT OF THE CONDUCT OF THE CON			UTP		ΨP		$\langle TIT \rangle$	TEMPERATURE INDICATING TRANSMITTER	$\langle P \rangle$	PUSH BUTTON	∢	Ë
SOLATED REGION W WINDOW SWITT STREET CORRESPONDED BY WINDOW SWITCH CORRESPONDED BY WINDOW SWITCH STREET WINDOW SWITCH STREET WINDOW SWITCH SWI			v VFD		(LC)	LIGHTING CONTROL STATION	/Te\	TEMPERATURE SWITCH	FC	FLECTRIC STRIKE		
SOUR PROTECT STATES AND THE SEAL STATES AND TRANSPORTER BY THE SEAL STATES AND THE SEA			W	WIRE OR WATT	(R3)	LOCKOUT STOP SWITCH	\13/		\L3\			
MICHOUST AND SERVED WITH THE PARKET TO AND SECURITY COMPANY OF THE PAR			WP		(DP)	DOOR POSITION SWITCH	⟨VE⟩	VIBRATION ELEMENT	(ML)	MAGNETIC LOCK		ISI AM
NILOWOLT AMPERES REACTIVE RUNDING RUND	A		WT YEMD		(PC)		⟨VIT⟩	VIBRATION INDICATING TRANSMITTER	$\langle \bot \rangle$	INTERCOM STATION		<u> </u>
SILOWATT LEVEL MIDICATING TRANSMITTER LEVEL MIDICATING TRANSMITTER LUCITING PARE LUCIT	AR		XP						$\langle \overline{\tt DS} \rangle$	DOOR SWITCH	I 8	<u> </u>
CONTINUE SHIPME  LOW VOLTAGE  MATTER ATTERNATE ENSIRON  MATTER (ONE—LINE BLOOMW)  MATTER ATTERNATE (ONE—LINE BLOOMW)  MATTER (ONE—LINE BLOOMW)  MATT		KILOWATT			_		(WE)	WEIGHT ELEMENT				SHTI TIS
CONTINUE SHIPME  LOW VOLTAGE  MATTER ATTERNATE ENSIRON  MATTER (ONE—LINE BLOOMW)  MATTER ATTERNATE (ONE—LINE BLOOMW)  MATTER (ONE—LINE BLOOMW)  MATT							⟨wiT⟩	WEIGHT INDICATING TRANSMITTER	##-		5	<u> 5</u>
MASTER ATTENNATE REVISION METAL CLAD MAN CIRCUIT BREAKER METAL CLAD MAN CIRCUIT BREAKER MOUSE CASE CASE CIRCUIT BREAKER MOUSE CASE CASE CIRCUIT BREAKER MOUSE CASE CASE CASE CASE CASE CASE CASE CA	3			_	—— OH ———	OVERHEAD ELECTRIC	\we\	TORQUE SWITCH			S	<b>⊿</b> <b>z</b>
METAL CLAD MAIN CIRCUT BREAKER MOTOR CONTROL CENTER MOTOR CIRCULAR MILLS MOTOR CENTER MOTOR CONTROL CENTER MOTOR CENT		LOW VOLTAGE					ws/	ISINGSE SIMISH	(YE)	CARD READER		Ą
METAL CLUTT REPARCE MINISTRATE THE PASSES AND THE P	TV				2(V)	—OTHERWISE SHOWN PANEL DESIGNATION (TYP)	\(\bar{YS}\)	PRESENCE/ABSENCE DETECTOR	(RVC)	REMOTE VOLUME CONTROL		Ş
MOTOR CENTIFIC ENHANCE MICHED NAME (CENTIFIC MAKER MICHED	В				$\stackrel{\angle(X)}{\leftarrow}$	DUPLEX, 125 VOLT, WP	*		<u> </u>			<b>B</b> 0
MOLDED CASE CIRCUIT BREAMER THOUSAND CIRCULT PROTECTOR THOUSAND CIRCUIT PROTECTOR MAY DOT CIRCUI	•				<b>.</b>		\23/	*: D=DOOR, L=LIMIT	$\langle \rangle$ "	* : SPEAKER TYPE	I É	
THOUSAND CIRCULAR MILLS MOTOR CIRCULTR PROTECTOR MAIN DISTRIBUTION PARLEDORD MAN DISTRIBUTION PARLEDORD MAN DISTRIBUTION PARLEDORD MAGNETIC LOCK WHETER MAGNETIC LOCK MAIN LIUS SOLIN MOTOR SPACE MOTO	СВ	MOLDED CASE CIRCUIT BREAKER			<del>-</del>	DUPLEX, 125 VOLT, ABOVE FURNITURE	$\bowtie$	SOLENOID VALVE	<b>∀</b>			
MAIN DISTRIBUTION PARLEBOARD MARCHETIC LOCK METER MACHETIC LOCK ME	M o				<del>фф.</del>	DOUBLE DUPLEX. 125 VOLT. ABOVE	>		FIXK	FIXED SECURITY CAMERA		
MACHETIC LOW METER MACHETIC LOCK MAN LUGS ONLY MOTOR OPERATED MOTION SENSOR MOTION SENSOR MAN SWITCHEOARD MANUAL TRANSFER SWITCH MEDIUM VOLTAGE  DELECTRIC WATER CONCER  EXPLOSION—PROOF, ABOVE FURNITURE EXPLOSION—PROOF MEDIUM VOLTAGE  PROOF FURNITURE  EXPLOSION—PROOF PROOF ABOVE FURNITURE  EXPLOSION—PROOF PROOF ABOVE FURNITURE  AMPERAGE AS INDICATED  PROJECT M  AUTOMATIC TRANSFER SWITCH (ONE—LINE DIAGRAM)  METER (ONE—LINE DIAGRAM)  STRAIL  METER (ONE—LINE DIAGRAM)  STRAIL  METER (ONE—LINE DIAGRAM)	, ,				ΨΨ-				PTZK1	PAN, TILT, ZOOM SECURITY CAMERA		
MAGNETIC LOCK MAIN LUGS ONLY MOTOR OPERATED  MOTON SENSOR MAIN SWITCHBOARD MANUAL TRANSPER SWITCH MEDIUM VOLTAGE  FIXED EQUIPMENT CONNECTION  POWER OUTLET, VOLTAGE & AMPERAGE AS INDICATED  AUTOMATIC TRANSPER SWITCH  AUTOMATIC TRANSPER SWITCH  CIRCUIT BREAKER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  STRAIL  SINGLE CONVENIENCE, 125 VOLT FOR ELECTRIC WATER COOLER FOR ELECTRIC W					<del></del>	DOUBLE DUPLEX, 125 VOLT			7			
MOTOR OPERATED MOTOR SENSOR MAN SWITCHBOARD MANUAL TRANSFER SWITCH MEDIUM VOLTAGE  FOR ELECTRIC WATER COOLER  EXPLOSION—PROOF  EXPLOSION—PROOF  FIXED EQUIPMENT CONNECTION  FIXED ROUPLENT, VOLTAGE &  AUTOMATIC TRANSFER SWITCH  O CIRCUIT BREAKER (ONE—LINE DIAGRAM)  METER (ONE—LINE DIAGRAM)  METER (ONE—LINE DIAGRAM)  FIXED FOR ELECTRIC WATER COOLER  EXPLOSION—PROOF  EXPLOSION—PROOF  EXPLOSION—PROOF  FIXED ROUPLENT CONNECTION  O CIRCUIT BREAKER (ONE—LINE DIAGRAM)  METER (ONE—LINE DIAGRAM)  STRAIL		MAGNETIC LOCK				CINICLE CONVENIENCE 405 VOLT						
MOTOR SPENSOR MAIN SWITCHBOARD MAIN SWITCHBOARD MANUAL TRANSFER SWITCH MEDIUM VOLTAGE  FIXED EQUIPMENT CONNECTION  PROJECT M  PROJECT M  AUTOMATIC TRANSFER SWITCH  O CIRCUIT BREAKER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)					EWC							
MAN SWITCHBOARD MANUAL TRANSFER SWITCH MEDIUM VOLTAGE  ■ FIXED EQUIPMENT CONNECTION ■ FIXED EQUIPMENT CONNECTION ■ POWER OUTLET, VOLTAGE & AUTOMATIC TRANSFER SWITCH (ONE-LINE DIAGRAM) ■ CIRCUIT BREAKER (ONE-LINE DIAGRAM) ■ METER (ONE-LINE DIAGRAM) ■ METER (ONE-LINE DIAGRAM) ■ STRAI												
MANUAL TRANSFER SWITCH MEDIUM VOLTAGE  IFIXED EQUIPMENT CONNECTION  POWER OUTLET, VOLTAGE & AMPERAGE AS INDICATED  AUTOMATIC TRANSFER SWITCH (ONE—LINE DIAGRAM)  CIRCUIT BREAKER (ONE—LINE DIAGRAM)  METER (ONE—LINE DIAGRAM)  METER (ONE—LINE DIAGRAM)  STRAI					·	·						
FIXED EQUIPMENT CONNECTION  POWER OUTLET, VOLTAGE & AMPERAGE AS INDICATED  AUTOMATIC TRANSFER SWITCH (ONE-LINE DIAGRAM)  CIRCUIT BREAKER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  STRAI		MANUAL TRANSFER SWITCH			₽	EXPLOSION-PROOF						
POWER OUTLET, VOLTAGE & AMPERAGE AS INDICATED  AUTOMATIC TRANSFER SWITCH  (ONE-LINE DIAGRAM)  CIRCUIT BREAKER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  STRAI		MEDIUM VOLTAGE				FIYED FOLLIDMENT CONNECTION						JOB NO.
AMPERAGE AS INDICATED  AUTOMATIC TRANSFER SWITCH (ONE-LINE DIAGRAM)  CIRCUIT BREAKER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  STRAI												1020.076
AUTOMATIC TRANSFER SWITCH (ONE-LINE DIAGRAM)  CIRCUIT BREAKER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  STRAI					⊗						PRO	OJECT MGR
CIRCUIT BREAKER (ONE-LINE DIAGRAM)  METER (ONE-LINE DIAGRAM)  STRAI					20							
Meter (one-line diagram)  STRAI					0	(ONE-LINE DIAGRAM)						
Meter (one-line diagram)  STRAI						CIRCUIT BREAKER (ONE-LINE DIAGRAM)						
J. SIRAI						,						
J. SIRAI						METER (ONE-LINE DIAGRAM)						
						METER (OHE LINE DIAGNAM)					I ST	RAN

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## -SS UNISTRUT -UTILITY **EQUIPMENT** \_4/0 BARE STRANDED COPPER 2'-0" BELOW GRADE 15**'**-0" \_EXOTHERMIC 3" SS UNISTRUT WELDING (TYP.) GRADE (TYP.) 5/8"x10'-0" COPPER GROUND 1/4"x2" COPPER GROUND BUSS — ROD (TYP. OF 3)-- 4/0 BARE STRANDED CONCRETE COPPER 2'-0" BELOW GRADE (TYP.) LOCAL PANEL 10" DIA. NOTE: MOUNT UTILITY EQUIPMENT PER DRAWING COM-7 IN MG&E ELECTRICAL CONTRACTOR'S HANDBOOK. B GROUND GRID E5.1 NO SCALE AUTILITY EQUIPMENT MOUNTING STAND E5.1 NO SCALE /-6" SLAB-ON-GRADE W/ #4@12" EACH WAY, CENTERED IN SLAB GRADE (TYP.)-└-12" CRUSHED \* VERIFY WITH EQUIPMENT MANUFACTURER. EXTEND PAD 12" PAST EQUIPMENT BASE ON ALL SIDES. D LIGHTING CONTROL ENCLOSURE EQUIPMENT PAD E5.1 NO SCALE



ELECTRICAL DETAILS

JOB NO. 1020.076 PROJECT MGR.

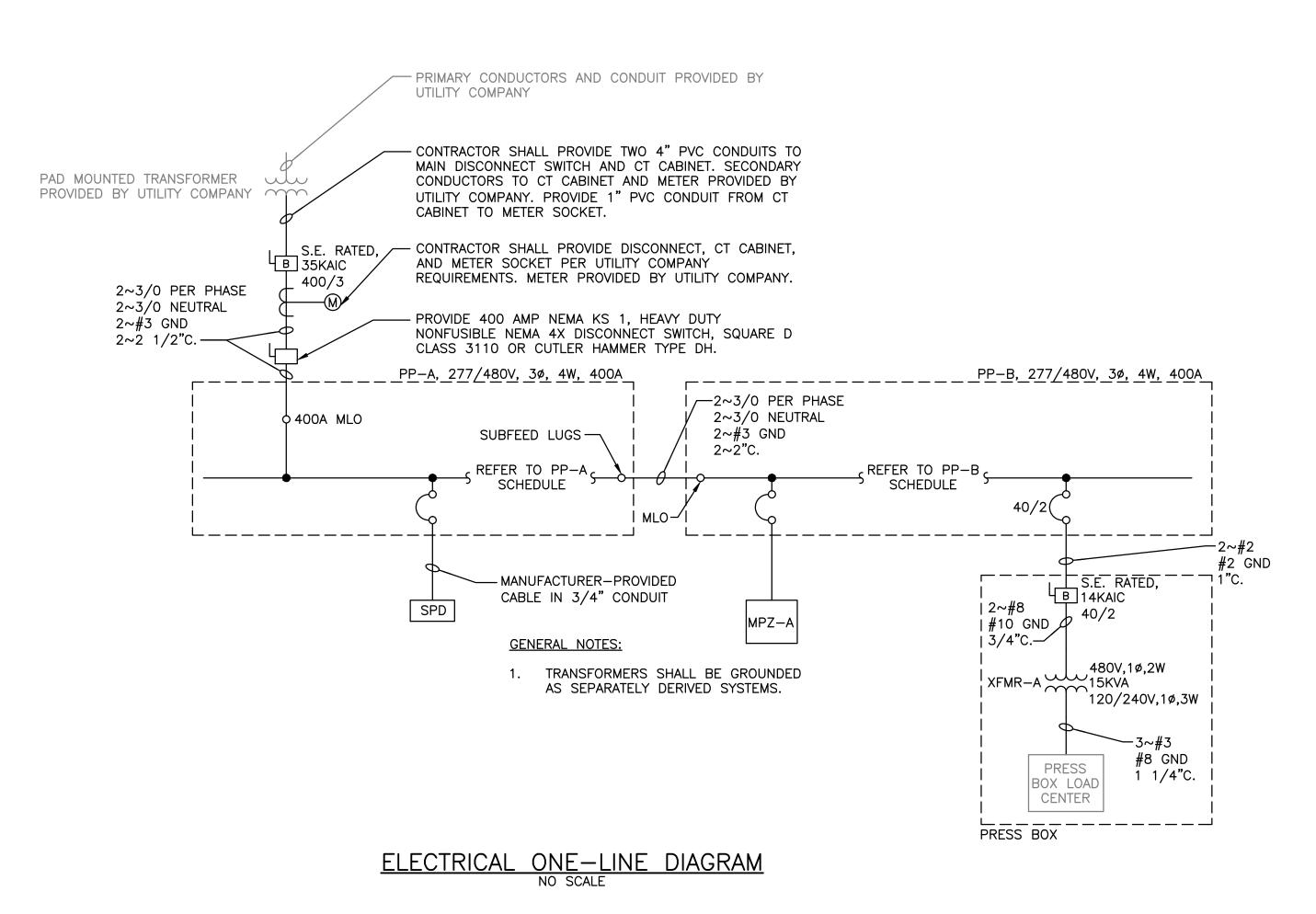


SHEET 4 E5.1

					POW	/ER F	ANE	L PP-	A							
Service: 277/48	0V, 3Ф,	4W				Enclosure:	NEMA 1			Mountin	ng:		Surface			
Main Breaker: 40								Main Bu	us:		Copper					
Location: Lighting								SCIC:			22 kAIC					
Room Number/Description	Amps	Poles	Cct. #	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C	Cct. #	Poles	Amps	Room Number/	De scriptio	n	
			1	0			0			2						
Future Lighting Feeder - Pole BA1	30	3	3		0			0		4	3	20	Future Lighting Feeder - Po	le BC4 (Zo	one 1)	
			5			0			0	6	Ī					
			7	0			0			8						
Future Lighting Feeder - Pole BA2	20	3	9		0			0		10	3	20	Future Lighting Feeder - Pole 1A1			
			11			0			0	12	Ī					
	35		13	0			0			14			Future Lighting Feeder - Pole 1A2			
Future Lighting Feeder - Pole BB1		3	15		0			0		16	3	20				
			17			0			0	18						
			19	0			0			20	3					
Future Lighting Feeder - Pole BB2	35	3	21		0			0		22		40	Future Lighting Feeder - Po	le 1B1		
			23			0			0	24						
	20		25	0			0			26	3					
Future Lighting Feeder - Pole BC1 (Zone 1)		3	27		0		110	0		28		40	Future Lighting Feeder - Pole 1B2			
			29			0			0	30						
	20		31	0			0			32						
Future Lighting Feeder - Pole BC2 (Zone 1)		3	33		0			0		34	3	30	SPD			
			35			0			0	36						
			37	0			0			38	1		Space			
Future Lighting Feeder - Pole BC3 (Zone 1)	20	3	39		0			0		40	1		Space			
			41			0			0	42	1		Space			
			•								•	•				
Total Load per Phase per Side (VA)				0	0	0	0	0	0							
Total Load Phase A (VA) 0 VA			VA	*Provide sub-feed lugs for wiring to power PP-B.							onnected	Load (A	A)	0	Α	
Total Load Phase B (VA)		0	VA	1						Total Co	onnected	Load +	25%	0	Α	
Total Load Phase C (VA)		0	VA							Spare 2	25%			0	Α	
Total Connected Load (VA)		0	VA	1						Feeder	Load			0	Α	

					POV	VER I	PANE	L PP	В							
Service: 277/48	30V, 3Ф,	4W		Enclosure: NEMA 1							ng:		Surface	Surface		
Main Breaker: 40	0A MLO									Main B	us:		Copper			
Location: Lighting	Control F	anel								SCIC:			22 kAIC			
Room Number/Description	Amps	Poles	Cct. #	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C	Cct. #	Poles	Amps	Room Number	r/Descriptio	1	
			1	0			0			2						
Future Lighting Feeder - Pole BC3 (Zone 2)	20	3	3		0			0		4	3	20	Future Lighting Feeder - Po	ole BC2 (Zon	e 3)	
			5			0			0	6						
			7	0			0			8			Future Lighting Feeder - Pole 3A1			
Future Lighting Feeder - Pole BC4 (Zone 2)	20	3	9		0			0		10	3	20				
			11			0			0	12						
			13	0			0			14						
Future Lighting Feeder - Pole 2A1	20	3	15		0			0		16	3	20	Future Lighting Feeder - Po	ole 3A2		
			17			0			0	18	1					
uture Lighting Feeder - Pole 2A2			19	0			0			20						
	20	3	21		0			0		22	3	30	Future Lighting Feeder - Po	ole 3B1		
			23			0			0	24						
	30		25	0			0			26		30				
Future Lighting Feeder - Pole 2B1		3	27		0			0		28	3		Future Lighting Feeder - Po	ole 3B2		
			29			0			0	30	1					
			31	0			0			32	1		Space			
Future Lighting Feeder - Pole 2B2	30	3	33		0			7680		34	2	40	Press Box Load Center			
			35			0			7680	36		40	Fless Dox Load Center			
			37	0			1215			38	2	60	MPZ-A			
Future Lighting Feeder - Pole BC1 (Zone 3)	20	2	39		0			1215		40		00	IVII 2-7A			
			41			0			0	42	1		Space			
			-									•				
otal Load per Phase per Side (VA)				0	0	0	1215	8895	7680							
Total Load Phase A (VA) 1215 VA										Total C	onnected	d Load (A	4)	21	Α	
otal Load Phase B (VA)		8895	VA									d Load +	25%	27	Α	
Total Load Phase C (VA)		7680	VA							Spare 2				7	Α	
Total Connected Load (VA)	Total Connected Load (VA) 17790 VA									Feeder	Load			33	Α	

	MINI P	OWE	RZ	ONI	Е МР	Z-A (	SQUA	RE-D	CAT	. NO	. MF	ZB15S40	F25	<b>&lt;</b> )
Service:	480V:1				Enclosure:	NEMA 3R			Mountir	ng:		Surface		
Main Breaker:	60A Primary M	ary MCB							Main B	us:		Copper		
Location:	Lighting Control	Enclosur	e Mount	ing Stan	d						SCIC:			25 kAIC
Room Numb	er/Description	Amps	Poles	Cct. #	Phase A Phase B Phase A Phase B Cct.#						Poles	Room	Number	/Description
Future LCP-A		20	1	1	750		180		2	20	1	Receptacle in Lighting	Control	Enclosure
uture LCP-B		20	1	3		750		750	4	20	1	Future LCP-C		
Spare		20	1	5	0		0		6	20	1	Spare		
Spare		20	1	7		0		0	8	20	1	Spare		
Spare		20	1	9	0		0		10	20	1	Spare		
Space			1	11		0		0	12		1	Space		
Space			1	13	0		0		14		1	Space		
Space			1	15		0		0	16		1	Space		
Space			1	17	0		0		18		1	Space		
Space			1	19		0		0	20		1	Space		
Space			1	21	0		0		22		1	Space		
Space			1	23		0		0	24		1	Space		
					750									
Total Load per Phase per Side (VA)						750	180	750						
Total Load Phase A (VA) 930 VA						·	·		Total Conn				10	Α
Total Load Phase B			1500	VA	l				Total Conn	The street of th	d + 25%	N	13	Α
Total Connected Lo	ad (VA)		2430	VA	]				Spare 25%				3	Α
						Feeder Loa	ad	16	A					



TRICAL ONE-LINE DIAGRAM AND SCHEDULES

JOB NO. 1020.076 PROJECT MGR.

STRAND ASSOCIATES®

> 5 5 E6.1