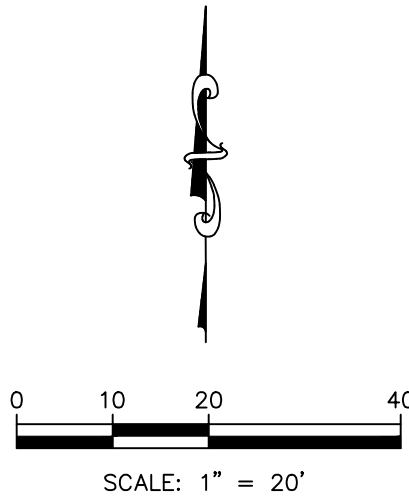


PRELIMINARY  
PENDING FINAL DESIGN FOR BLUE PARKWAY

COORDINATE TABLE			
	NORTHING	EASTING	DESCRIPTION
1000	997148.48	2827535.73	BC
1001	997064.29	2827547.44	BC
1002	997107.84	2827860.43	BC
1003	997122.72	2827858.35	BC
1004	997123.41	2827863.31	R5.0
1005	997127.96	2827861.23	BC
1006	997167.05	2827843.32	R43.0
1007	997164.67	2827886.26	BC
1008	997200.86	2827888.26	BC
1009	997200.03	2827903.24	R15.0
1010	997209.31	2827891.45	BC
1011	997211.06	2827889.24	SAWCUT
1012	997195.98	2827877.05	SAWCUT
1013	997144.41	2827564.56	BC
1014	997145.10	2827569.51	R5.0
1015	997145.79	2827574.47	BC
1016	997120.04	2827578.05	BC
1017	997119.35	2827573.10	R5.0

COORDINATE TABLE			
	NORTHING	EASTING	DESCRIPTION
1018	997118.66	2827568.14	BC
1019	997181.90	2827833.96	BC
1020	997182.59	2827838.92	R5.0
1021	997187.55	2827838.23	BC
1022	997188.01	2827841.59	BC
1023	997173.16	2827843.66	R15.0
1024	997172.33	2827858.64	BC
1025	997166.22	2827858.30	BC
1026	997167.05	2827843.32	R15.0
1027	997152.19	2827845.39	BC
1028	997151.89	2827843.19	BC
1029	997156.84	2827842.50	R5.0
1030	997156.15	2827837.55	BC
1032	997068.83	2827601.83	LP
1033	997083.71	2827708.80	LP
1034	997098.60	2827815.77	LP
1035	997165.24	2827808.52	LP



DETAILS - SEE DETAIL SHEET C190 FOR THE FOLLOWING DETAILS  
001 STRAIGHT BACK CURB AND GUTTER  
040 ASPHALT PAVEMENT

NOTES:












































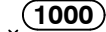






- 3A NEW TREE. SEE PLANT SCHEDULE. SEE PLANTING DETAIL ON SHEET C190.  
6 DISTURBED AREAS TO BE SEEDED AS NOTED ON PLAN. REFER TO SHEET C190 FOR REQUIREMENTS.  
6A 4" OF ROCK MULCH ON NON-WOVEN FILTER FABRIC (1/2" TO 1-1/2", KANSAS RIVER ROCK).  
12 WHITE PARKING LOT STRIPING (SEE SPECIFICATIONS THIS SHEET)  
97 PROPOSED SITE LIGHTING (REFER TO MEP PLANS AND SPECIFICATIONS). CENTER OF POLE BASE SHALL BE PLACED A MINIMUM OF 3'-0" FROM BACK OF CURB. SEE DIMENSION PLAN FOR LOCATIONS.


**MARKING MATERIALS:** APWA 2306.7G  
PARKING STALLS STRIPING AND SYMBOLS  
ALL SURFACES - TRAFFIC MARKING PAINT, COLOR AS INDICATED.  
CROSSWALKS AND GORE AREAS  
ALL SURFACES - TRAFFIC MARKING PAINT, COLOR AS INDICATED.

**PAVEMENT MARKING SPECIFICATIONS:**  
PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KANSAS CITY, MISSOURI CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION SPECIFICATIONS SECTION 2306 AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT.

**NOTE:**  
1. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.

PLANT LIST						
SYM.	BOTANICAL NAME	COMMON NAME	SIZE	POT/B&B	SPACING	REMARKS
		DECIDUOUS TREE				
8	QM	Quercus macrocarpa	Bur Oak	B&B		Single Straight Leader; Well Branched

LEGEND:			
	SECTION CORNER		SPLICE BOX
	CONTROL POINT		UTILITY VAULT
	BENCHMARK		SANITARY SEWER MANHOLE
	MONUMENT FOUND ORIGIN UNCERTAIN UNLESS OTHERWISE NOTED		STORM SEWER MANHOLE
	OVERHEAD UTILITY LINE (# OF LINES)		SANITARY SEWER CLEAN OUT
	LIGHT POLE		DOWN SPOUT
	UTILITY POLE		GRATE INLET
	ELECTRIC METER		FLARED END SECTION
	AIR CONDITIONER		STREET/TRAFFIC SIGN
	GAS METER		TRAFFIC SIGNAL LIGHT POLE
	WATER METER		HANDICAP SYMBOL
	WATER LINE GATE VALVE		PARKING STALL COUNT
	FIRE HYDRANT		HANDICAP SIGN
	WATER SPIGOT		DECIDUOUS TREE
	SPRINKLER VALVE		CONIFEROUS TREE
	BREAKER BOX		TREE LINE
	ELECTRIC OUTLET		TURN LANE DIRECTION
	DOOR ELEVATION (AT THRESHOLD)		ASPHALT SURFACE COURSE
	FINISH FLOOR ELEVATION		FULL DEPTH ASPHALT PAVEMENT (040)
	BUSH		CONCRETE CURB AND GUTTER
	BASKETBALL GOAL		CONCRETE CURB AND GUTTER WITH REVERSE FLOW
	LIMITS OF DISTURBANCE		COORDINATE POINT
	ASPHALT EDGE TREATMENT. SEE SECTION ON C190		
	SECTION CORNER		MONUMENT FOUND (ORIGIN UNCERTAIN UNLESS OTHERWISE NOTED)
	1/2"x24" REBAR W/214F CAP SET (UNLESS NOTED OTHERWISE)		MAGNAIL W/ WASHER SET (UNLESS NOTED OTHERWISE)
	CHISELED PLUS SET (UNLESS NOTED OTHERWISE)	(M)	MEASURED VALUE
		(C)	CALCULATED
		(D)	DEED VALUE
		(P)	PLAT VALUE
		(CP)	CALCULATED PLAT VALUE
		(CM)	CALCULATED MEASURED VALUE
		(R)	RECORD VALUE
	SS/E		SANITARY SEWER EASEMENT
	D/E		STORM DRAINAGE EASEMENT
TYPE 1/TYPE 3			JOINT TYPE
		L	LANDING
		R	RAMP
		T	TRANSITION





PROJ. NO. C23.1880

DESIGNER DDW

CFN 1880SP PHIL

SHEET C100

DRAWN BY NJN

REV 0

LEE'S SUMMIT HS - EAST PARKING LOT  
400 SE BLUE PARKWAY  
LEE'S SUMMIT, MISSOURI 64063  
CONSTRUCTION DOCUMENTS PHASE II  
SITE AND DIMENSION PLAN

DAVID D. WOOD  
ENGINEER  
MO # 2011037427

14700 WEST 114TH TERRACE  
LENEXA, KANSAS 66215  
PH. (913) 894-5150  
info@kaveng.com | www.kaveng.com  
**KAW VALLEY ENGINEERING**  
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.  
EXPRES 12/31/25

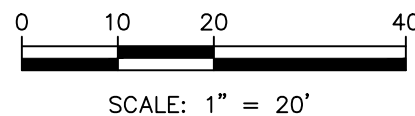
STATE OF MISSOURI  
DAVID D. WOOD  
ENGINEER  
NUMBER  
PE-2011037427  
03-15-2024  
PROFESSIONAL ENGINEER

ISSUED FOR BID/CITY REVIEW  
3/29/24  
REV  
DATE  
DESCRIPTION  
DDW  
NJN  
DSN  
DWN  
CHK









- |               |     |          |    |
|---------------|-----|----------|----|
| PROJ. NO.     |     | C23-1880 |    |
| DESIGNER      | DDW | DRAWN BY | NJ |
| CFN           |     |          |    |
| 1880DEMO PHII |     |          |    |
| SHEET         |     | RE       |    |
| C200          |     | C        |    |



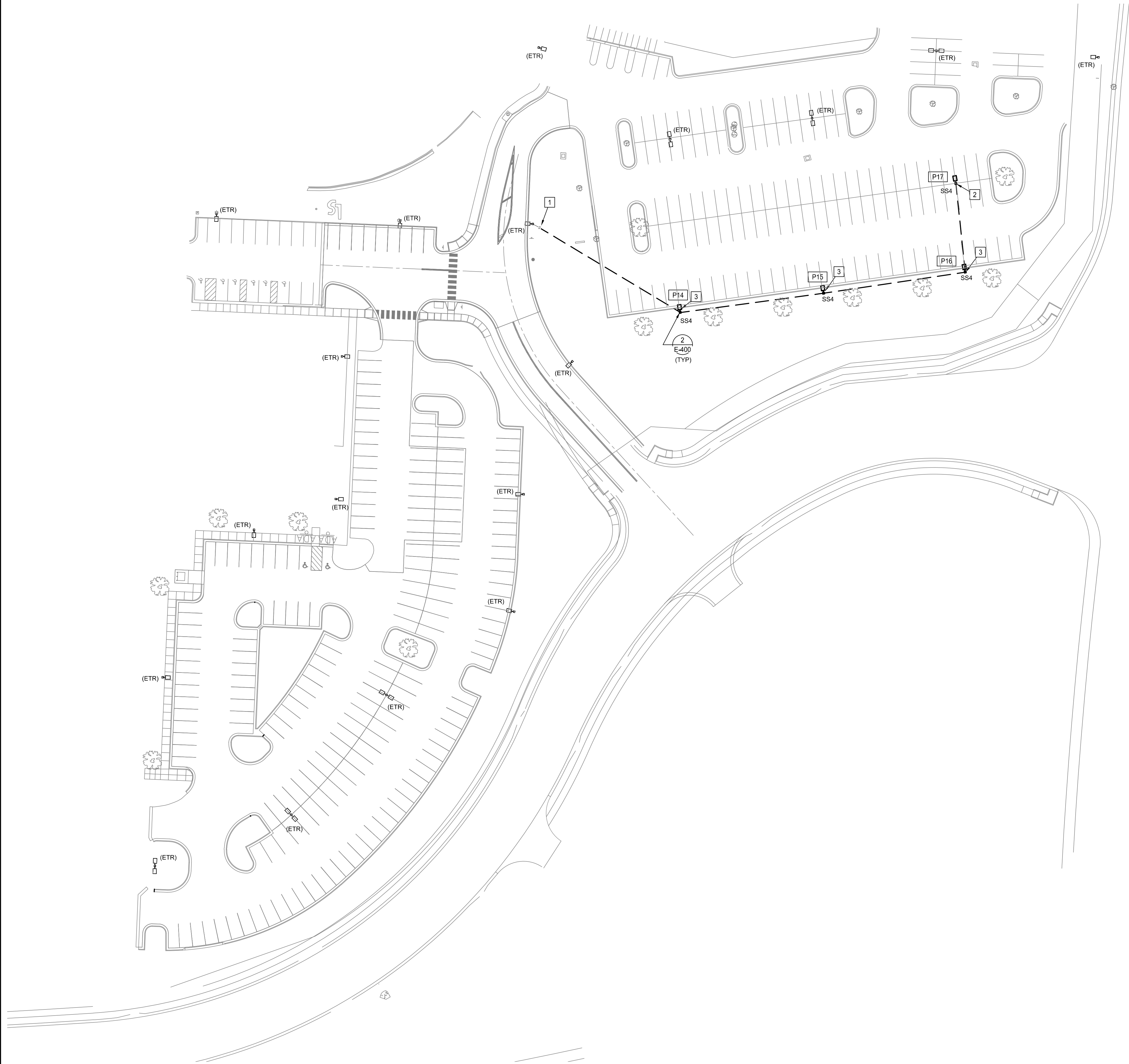








DOUGLAS M. EVERHART

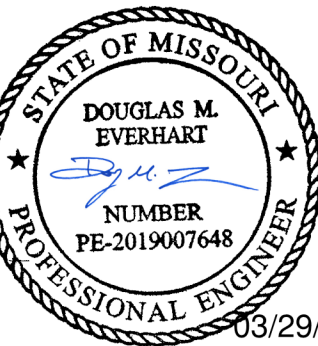


1 ELECTRICAL SITE PLAN - PHASE 2  
SCALE: 1" = 40'

SITE ELECTRICAL GENERAL NOTES:  
1. REFER TO E-101 FOR SITE ELECTRICAL GENERAL NOTES.  
2. REFER TO E-101 FOR SITE LIGHTING VOLTAGE DROP CALCULATIONS.

PHASE 2 ELECTRICAL PLAN NOTES:  
1. EXTEND UNDERGROUND CONDUIT FROM EXISTING LIGHT POLE FOR CONNECTION TO NEW LIGHT AS INDICATED.  
2. REINSTALL BANNERS AND BANNER ARMS REMOVED FROM PREVIOUSLY REMOVED LIGHT POLES TO MATCH EXISTING LIGHT POLE BANNER HEIGHT.  
3. PROVIDE NEW BANNER ARMS ON LIGHT FIXTURES TO MATCH ADJACENT FIXTURES. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ORDERING.

LEE'S SUMMIT SCHOOL DISTRICT  
LSHS SE PARKING LOT LIGHTING  
400 SE BLUE PKWY  
LEE'S SUMMIT, MO 64063



DOUGLAS M. EVERHART  
LICENSE # PE-2019007648  
03/29/2024

PROFESSIONAL SEAL

REVISIONS

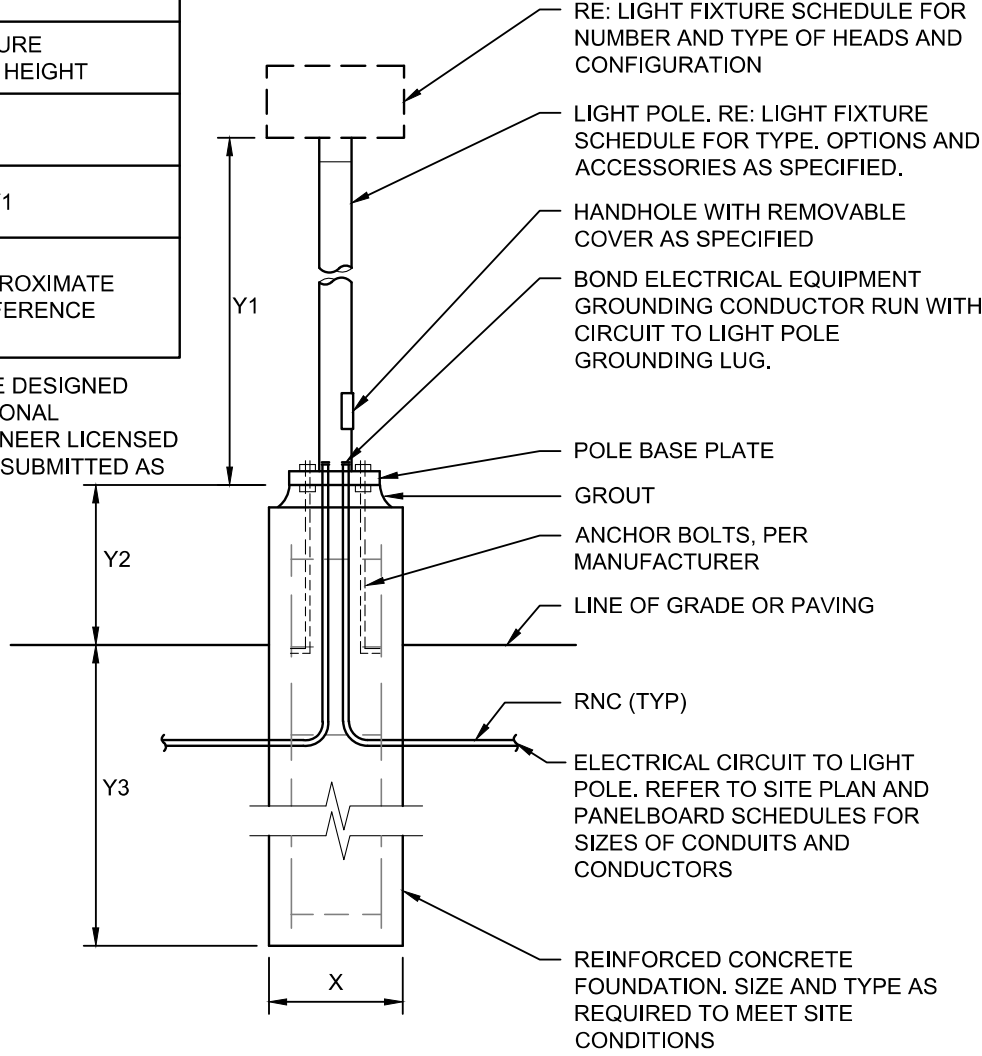
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DATE: 03-08-24  
CHECKED BY: OD  
DRAWN BY: ASM

ELECTRICAL SITE  
PLAN PHASE 2  
**E-102**



TABLE OF DIMENSIONS*	
X	2'-0"
Y1	REFER TO LIGHT FIXTURE SCHEDULE FOR POLE HEIGHT
Y2	3'-0"
Y3	1/4 OF POLE HEIGHT Y1
* NOTE: ALL DIMENSIONS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.	

POLE FOUNDATION SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL STRUCTURAL OR CIVIL ENGINEER LICENSED IN THE PROJECT STATE AND SUBMITTED AS PART OF THE SUBMITTAL PROCESS.



2 POLE BASE DETAIL  
NO SCALE

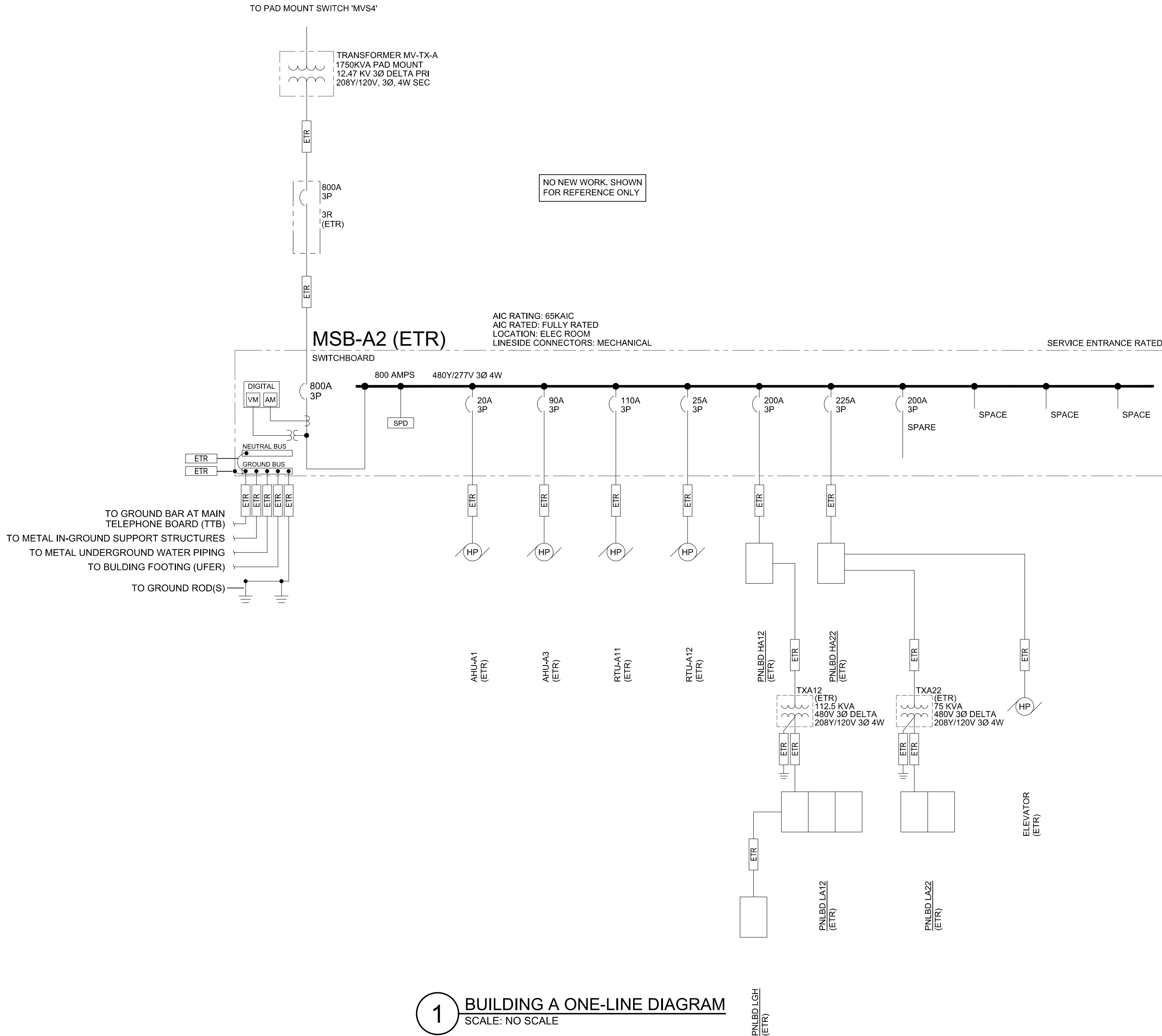
LIGHT FIXTURE SCHEDULE														
TYPE	MANUFACTURER	SERIES / MODEL	APPROVED ALTERNATES	SOURCE					CONTROL TYPE	VOLTAGE	INPUT WATTS	INPUT VA	DESCRIPTION	NOTES
				QTY	TYPE	CRI	CCT	LUMENS						
SR4	LUMARK	PREVAIL PRV-C60-D-UNV-T4-SA-XX ZW-SWPD5BZ	(NONE)	1	LED	70	4000K	20,000	WIRELESS	277	153	158	PROVIDE FIXTURE WITH STANDARD FINISH TO MATCH ADJACENT LIGHTS AND WAVELINX SENSOR CONFIGURED TO INTERFACE WITH EXISTING SITE LIGHTING CONTROL SYSTEM. PROVIDE 20' TALL 5" ROUND STRAIGHT POLE WITH STANDARD FINISH TO MATCH ADJACENT FIXTURES.	1.2
SR4E	LUMARK	PREVAIL PRV-C40-D-UNV-T4-SA-XX ZW-SWPD5BZ	(NONE)	1	LED	70	4000K	20,000	WIRELESS	277	153	158	EXISTING TYPE 'SR4' TO BE REUSED. SHOWN FOR REFERENCE ONLY.	
SR42	LUMARK	PREVAIL PRV-C40-D-UNV-T4-SA-XX ZW-SWPD5BZ	(NONE)	2	LED	70	4000K	20,000	WIRELESS	277	306	316	SIMILAR TO TYPE 'SR4' ONLY WITH (2) FIXTURE HEADS AT 180 DEGREES.	1.2
SR4B	LUMARK	PREVAIL PRV-C40-D-UNV-T4-SA-XX ZW-SWPD5BZ	(NONE)	1	LED	70	4000K	20,000	WIRELESS	277	153	158	SIMILAR TO TYPE 'SR4' ONLY WITH BOLT PATTERN COORDINATED WITH OTHERS AND INCLUDING INDIVIDUAL SETUP OF WIRELESS CONTROL AND INTEGRATION TO ACCOMMODATE CONSTRUCTION SCHEDULE	1.2
SR42L	LUMARK	PREVAIL PRV-C40-D-UNV-T4-SA-XX ZW-SWPD5BZ	(NONE)	2	LED	70	4000K	20,000	WIRELESS	277	306	316	SIMILAR TO TYPE 'SR42' ONLY WITH 18' TALL POLE.	1.2
SS4	LUMARK	PREVAIL PRV-C40-D-UNV-T4-SA-XX ZW-SWPD5BZ	(NONE)	1	LED	70	4000K	20,000	WIRELESS	277	153	158	PROVIDE FIXTURE WITH STANDARD FINISH TO MATCH ADJACENT LIGHTS AND WAVELINX SENSOR CONFIGURED TO INTERFACE WITH EXISTING SITE LIGHTING CONTROL SYSTEM. PROVIDE 22' TALL 4" SQUARE STRAIGHT POLE WITH VIBRATION DAMPENER AND STANDARD FINISH TO MATCH ADJACENT FIXTURES.	1.2
GENERAL NOTES:														
A. REFER TO LIGHT FIXTURE SCHEDULE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.														
NOTES:														
1. DUE TO AESTHETIC OR PERFORMANCE CRITERIA, SPECIFIED MANUFACTURER SHALL BE THE ONLY MANUFACTURER ALLOWED TO BID UNLESS OTHERWISE BY ENGINEER.														
2. PROVIDE WIRELESS CONTROL INTERFACE COMPATIBLE WITH EXISTING COOPER WAVELINX SITE LIGHTING CONTROL SYSTEM. PROVIDE INTEGRATION AND PROGRAMMING AS NEEDED TO CONTROL NEW LIGHTS WITH EXISTING SYSTEM.														

LIGHT FIXTURE SCHEDULE GENERAL NOTES:

- ALL LIGHT FIXTURES AND RELATED COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- THE PARTY SUPPLYING THE LIGHT FIXTURES IS RESPONSIBLE FOR SUPPLYING THE PROPER QUANTITY OF LIGHT FIXTURES.
- COORDINATE WITH OWNER TO RECEIVE (1) EXISTING 'SR4' HEAD AND (2) 20 FOOT ROUND POLES FROM OWNERS ATTIC STOCK TO BE USED IN PHASE-1 OF THIS PROJECT. INSPECT AND CLEAN EXISTING EQUIPMENT AND NOTIFY OWNER OF ANY DEFECTS FOUND PRIOR TO INSTALLATION. PROVIDE NEW POLE BASE COVERS, MOUNTING ARMS, AND OTHER ACCESSORIES NEEDED TO MATCH NEW INSTALLATIONS.

LIGHT FIXTURE SCHEDULE SUPPLEMENTAL SPECIFICATIONS:

- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBERS ONLY. FIRST READ THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS IN CONJUNCTION WITH THE CATALOG NUMBER TO DETERMINE THE MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.
- FOR SUBSTITUTIONS: PROVIDE PHOTOMETRIC CALCULATIONS AND OTHER NECESSARY INFORMATION FOR ENGINEER REVIEW. REFER TO SPECIFICATIONS FOR MORE INFORMATION.



1 BUILDING A ONE-LINE DIAGRAM  
SCALE: NO SCALE

PANELBOARD: HA12 (ETR)					FED FROM: MSB-A2					LINE-SIDE LUGS: MECHANICAL				
BUS AMPS: 250A MAIN SIZE/TYPE: MLO VOLTS/PHASE: 208Y/120V, 3PH, 4W					AIC RATING: 35000, FULLY RATED MOUNTING: SURFACE SERVES: BLDG ALTG LOCATION: ELECTRICAL, ROOM # 2262					EQUIPMENT GROUND BUS				
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	WIRE NO.	WIRE AMP	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.
		A	B	C						A	B	C		
1		29,321					1						DEDICATED SPACE	2
EX 3	TXA12		24,553		EX	175	3	1					DEDICATED SPACE	4
5				26,354				1					DEDICATED SPACE	6
7							1	20	EX	40			EXT. LTG. + BSMNT FITNESS RM	8
EX 9	SPD				EX	30	3	1	20	EX		2,000	UH-7	10
11							1	20	EX			2,000	UH-8	12
EX 13	LTG RM 2283	1,000			EX	20	1	1	20	EX	1,000		EXISTING LOAD	14
EX 15	EXISTING LOAD		1,000		EX	20	1	1	20	EX		1,000	EXISTING LOAD	16
EX 17	EXISTING LOAD			1,000	EX	20	1	1	20				SPARE	18
EX 19	EXISTING LOAD	1,000			EX	20	1	1	20				SPARE	20
EX 21	EXT LTG		1,000		EX	20	1	1	20	EX		1,000	LTG RM 2276, 2280, 2278	22
EX 23	EXT LTG SE PARKING LOT			2,946	EX	20	1	1	20	EX		1,000	LTG RM 2275	24
EX 25	EXISTING LOAD	1,000			EX	20	1	1	20	EX	1,000		LTG RM 2258	26
EX 27	EXISTING LOAD		500		EX	20	1	1	20	EX		1,000	LTG RM 2262	28
EX 29	EXISTING LOAD			500	EX	20	1	1	20	EX		1,000	EXISTING LOAD	30
N 31	EXT LTG SE PARKING LOT	1,421			8	20	1	1	20				SPARE	32
EX 33	SPARE					20	1	1		EX			EQUIPPED SPACE	34
35	EQUIPPED SPACE						1	1		EX			EQUIPPED SPACE	36
37	EQUIPPED SPACE						1	1		EX			EQUIPPED SPACE	38
39	EQUIPPED SPACE						1	1		EX			EQUIPPED SPACE	40
41	EQUIPPED SPACE						1	1		EX			EQUIPPED SPACE	42
SUBTOTAL		33,742	27,053	30,800							2,040	5,000	4,000	SUBTOTAL
TOTAL PHASE A - VA		35,782			LOAD					CONN. VA			DF	
AMPS		298			COOLING [C]				6.585	1.00	REFRIG [R]			
TOTAL PHASE B - VA		32,053			HEATING [H]				4,962	0	SIGNAGE [S]			1.25
AMPS		267			LIGHTING [L]				18,407	1.25	KITCHEN [K]			3,000
TOTAL PHASE C - VA		34,800			RECEPTACLES [R]				45,330	1.0/5	EXISTING [E]			5,001
AMPS		290			MOTORS [M]				4,863	1.00	LRG MOTOR			1.25
TOTAL PNLD - VA		102,635			SUPP HEAT [U]				4,000	1.00	SHOW WIND [W]			1.25
AMPS		285			MISC EQUIP [Z]				15,509	1.00	LTG TRACK			1.00
PANELBOARD NOTES														
EX - EXISTING														
R - REUSE EXSTG CKT BRKR FOR NEW/REVISED LOAD														

ONE-LINE DIAGRAM SUPPLEMENTAL SPECIFICATIONS:

- PROVIDE TYPED UPDATED CIRCUIT DIRECTORY FOR PANELBOARDS TO REFLECT ACTUAL AS-BUILT CONDITIONS. COORDINATE FINAL ROOM NAMES, NUMBERS AND DESCRIPTIONS WITH OWNER PRIOR TO COMPLETION. CIRCUIT DESCRIPTIONS SHALL BE PER CODE AND SHALL BE DISTINGUISHABLE FROM ALL OTHERS.

REVISIONS