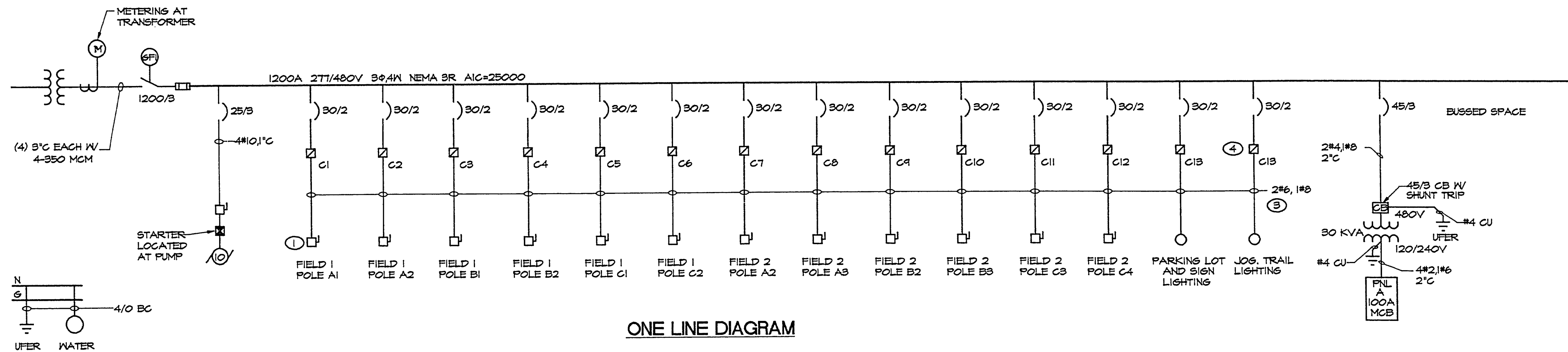
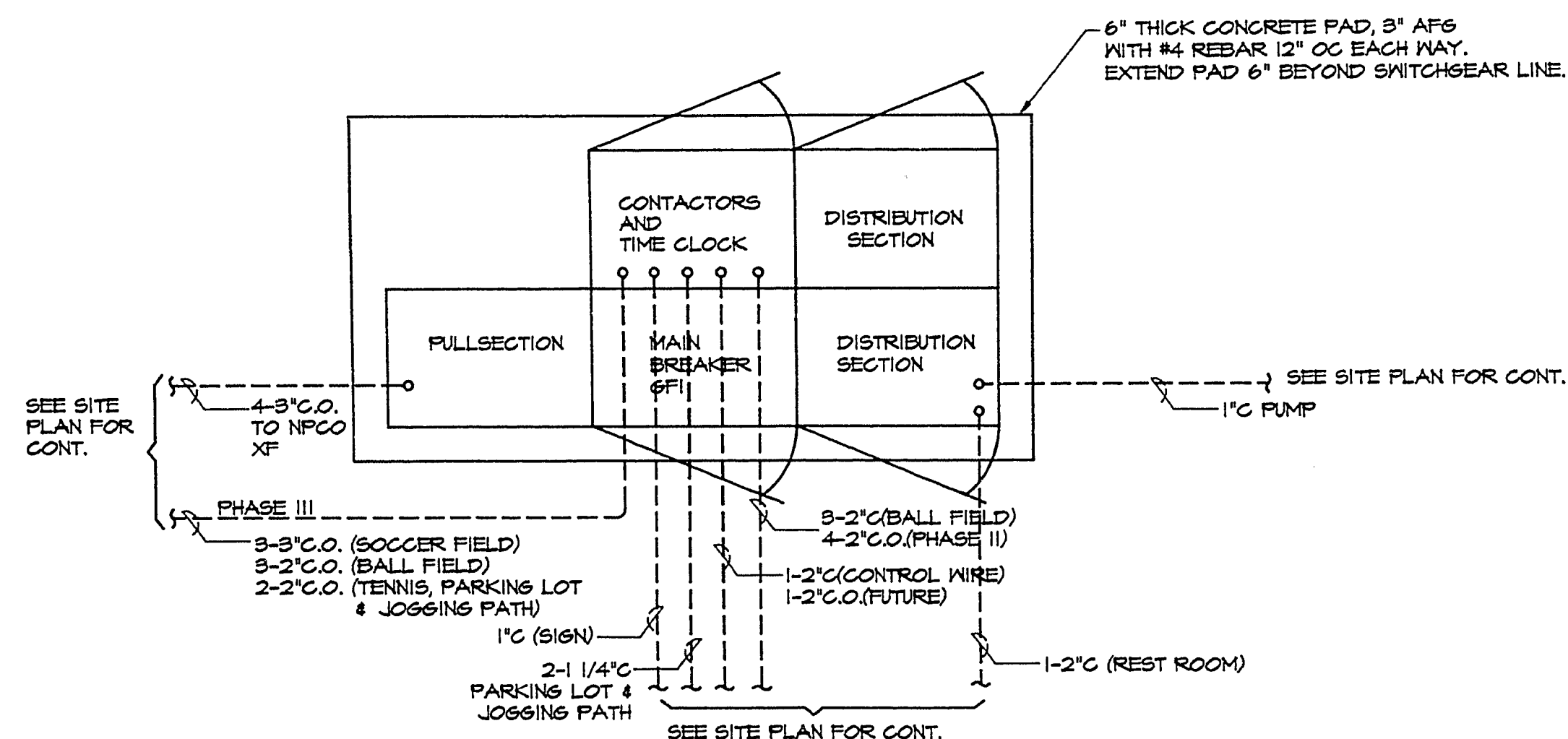




ONE LINE DIAGRAM

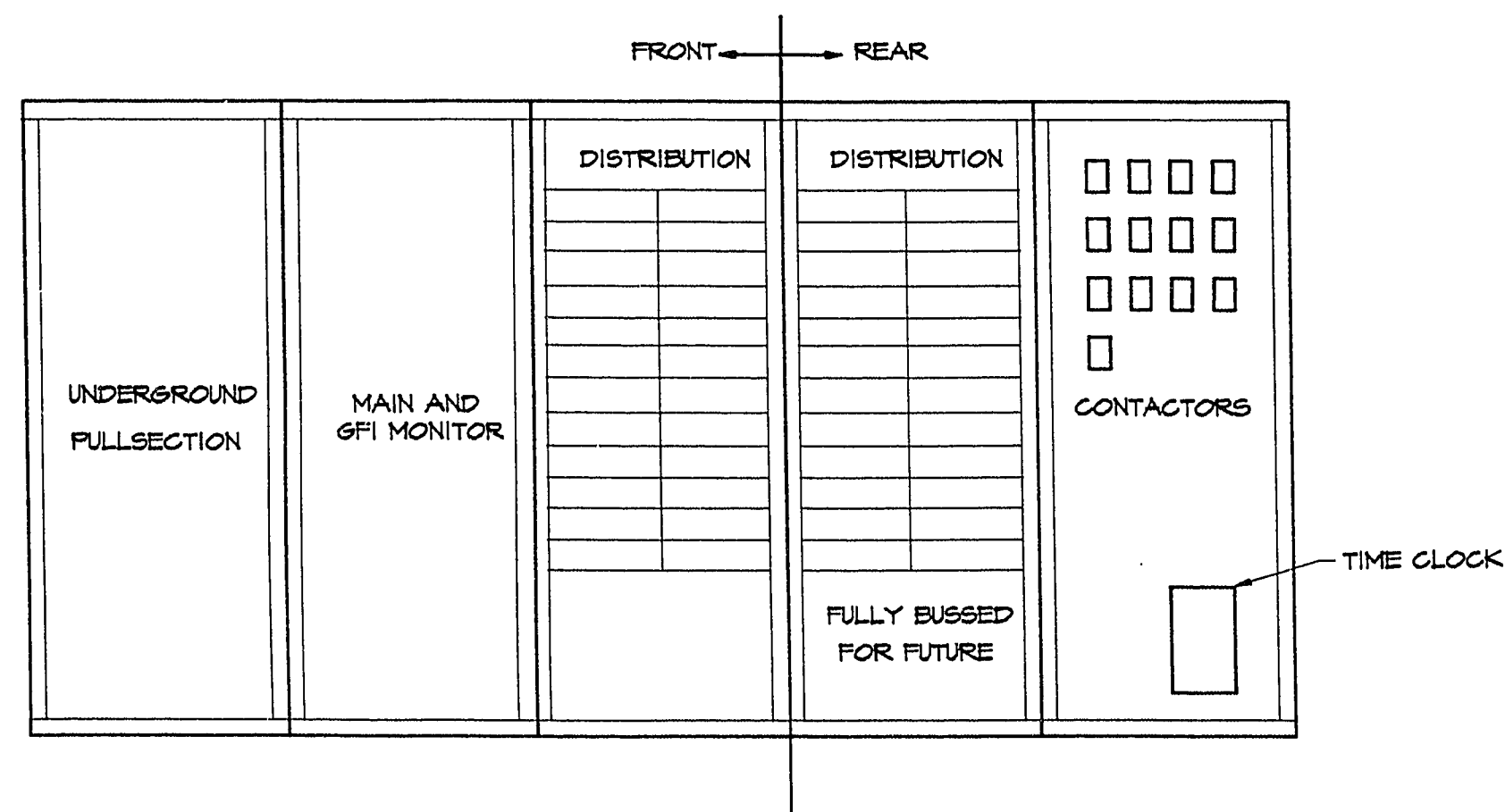
NOTES:

- LOCATE DISCONNECT SWITCH ON TOP OF POLE (TYP).
- WIRE SIZES SHOWN ARE BASED ON COPPER UNLESS NOTED OTHERWISE.
- SEE PLAN DRAWING FOR CONDUIT SIZES.
- SEE CONTACTOR SCHEDULE (TYP)



ELECTRICAL SWITCHGEAR PLAN

NOT TO SCALE



ELECTRICAL SWITCHGEAR ELEVATION

NOT TO SCALE

SERVICE PANEL SCHEDULE

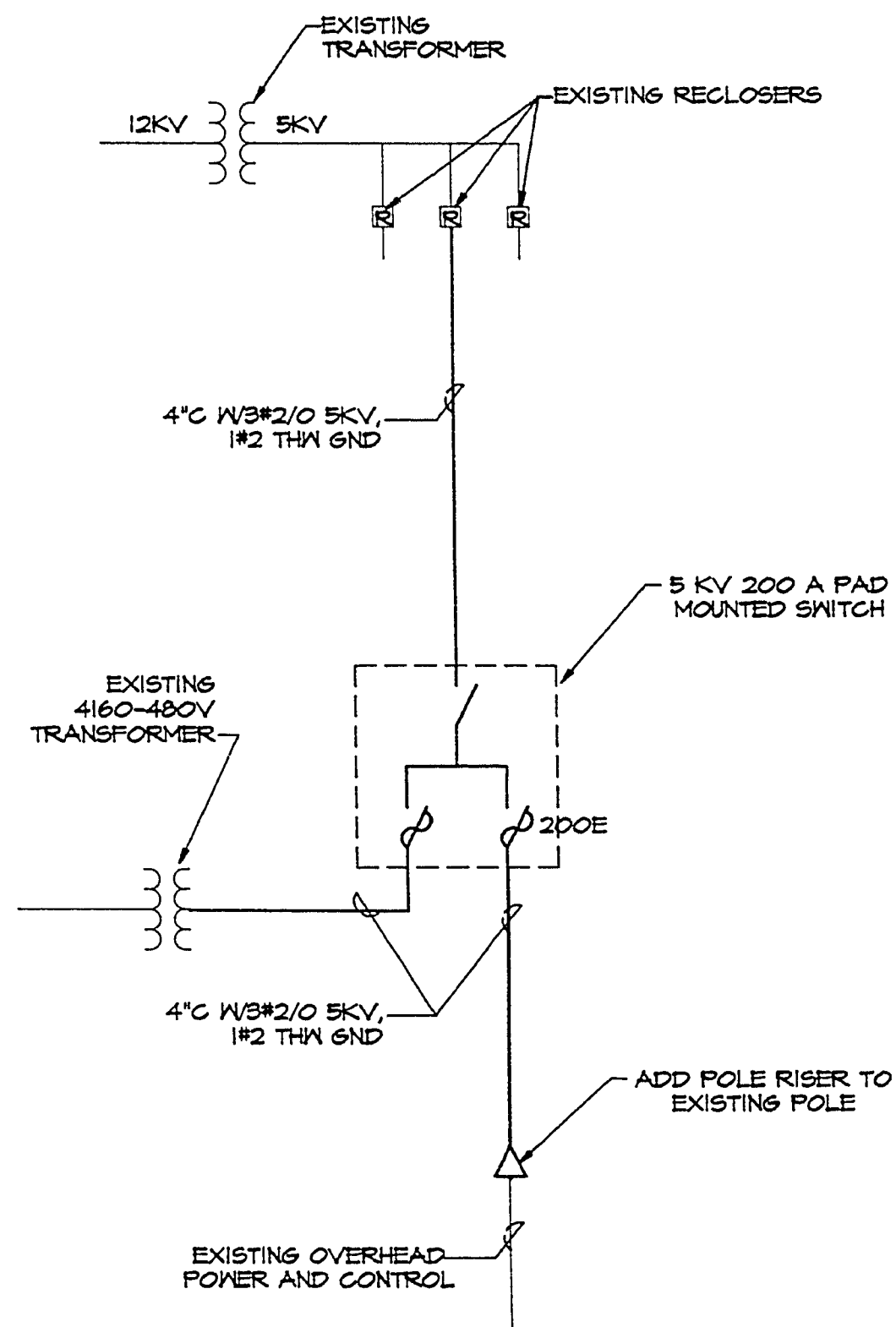
SERVICE PANEL SP-1 1 PH, 3 WIRE 120/240 VOLTS 125 AMP MAIN CB MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION: SEE CIVIL NEMA 3R									
L = LIGHTS, R = RECEPTACLES, M = MECHANICAL EQUIPMENT, SO = SPACE ONLY, SC = SPARE CIRCUIT, E = EXISTING									
MLO = MAIN LUGS ONLY, MCB = MAIN CIRCUIT BREAKERS, N = NEW									
POLE SPACE	CIRCUIT USE	CKT BKR	CONNECTED LOAD VA		CKT BKR	CIRCUIT USE	POLE SPACE		
# #		RATING	A	B	RATING		# #		
1	MAIN					MAIN	2		
3	MAIN					MAIN	4		
1 5	L-STREETLIGHTS	60/2	600		15	CONTACTOR & PHOTOCELL	6 2		
7	X	X				SO	8		
9	SO					SO	10		
11	SO					SO	12		
13							14		
15							16		
			600	600					
				1200					

CONTACTOR SCHEDULE

CONTACTOR #	RATING	No. POLES	CKT #'S
C1	60	2	1

LIGHTING FIXTURE SCHEDULE

FIXT ID	TYPE	MANUFACTURER AND CATALOG NO.	LAMPS		CKT VLTs	REMARKS AND MOUNTING
			NO.	WATT		
A	TYPE III DIST HPS AREA LTG 2 @ 180 DEGREE	STERNER FONTANA FN21A283SGFP250S480C-SSS20PC	2	250	LU250	30" POLE
B	TYPE V DIST HPS AREA LTG.	QL/MWC HB-20-V-HPS-150-480-DBZ W/RSS-20-5.0-7-BRZP-T2 POLE	1	150	LU150	20" DIA FIXTURE PROVIDE FUSING IN BASE OF POLE
C	TYPE 2 DIST HPS AREA LTG	QL/MWC HB-20-2-HPS-150-480-DBZ W/RSS-20-5.0-7-BRZP-T2 POLE	1	150	LU150	20" DIA FIXTURE PROVIDE FUSING IN BASE OF POLE
D	VANDAL RESISTANT 4' 1 LAMP FLUORESCENT	LITHONIA VDC140RS120WLCW	1	40	F40D835	CORNER MOUNTED WET LOCATION 0 DEGREE BALLAST ABOVE GRADE
E	METAL HALIDE SIGN LIGHT	ELLIPTIPAR M452-070W-S-06-B-OV	1	70	HQI-DE 70/WDX	
F	BRACKET MOUNTED HPS AREA LIGHTING	QL/MWC GFL-20-K-6X2-HPS-150-480-DBZ W/WBT-2.375"	1	150	LU150	PROVIDE FUSING IN BASE OF POLE



5 KV ONE LINE DIAGRAM

LEGEND

- PANELBOARD SURFACE MOUNTED
- SWITCHBOARD
- TERMINAL CABINET
- TRANSFORMER
- MOTOR STARTER
- MOTOR STARTER VENDOR FURNISHED
- DISCONNECT SWITCH F INDICATES FUSIBLE
- CONTACTOR
- TELEPHONE TERMINAL CABINET
- FLUORESCENT FIXTURE - LETTER DENOTES TYPE (LOWER CASE LETTER DENOTES SWITCHING), NUMBER DENOTES CIRCUIT
- HID OR INCANDESCENT FIXTURE
- ELECTRIC SHEET NOTE DESIGNATION
- BRANCH CIRCUIT CONSISTING OF 2#12 IN MINIMUM SIZE CONDUIT NOT INCLUDING GROUND WIRE
- HOME RUN TO PANELBOARD OR DEVICE - NUMBER OF ARROW HEADS INDICATES NUMBER OF CIRCUITS
- BRANCH CIRCUIT - SHORT SLASHES INDICATE NUMBER OF PHASE OR SWITCH LESS, LONG SLASHES INDICATE NUMBER OF NEUTRALS, LONG SLASH W/ A DOT INDICATES A SEPARATE ISOLATED GROUND WIRE.
- CONDUIT IN SLAB OR UNDERGROUND
- INTERRUPTER SWITCH
- FUSE
- CIRCUIT BREAKER
- METERING
- CURRENT TRANSFORMERS
- MOTOR OUTLET
- PULL BOX
- WEATHERPROOF
- GROUND FAULT CIRCUIT INTERRUPTER
- SHUNT TRIP

REV DESCRIPTION

TJ KROB CONSULTING ENGINEERS, INC.
3160 S. VALLEY VIEW BLVD., SUITE 207
LAS VEGAS, NEVADA 89102
(702) 871-3821
ELECTRICAL ENGINEERING

SHEET TITLE: ELECTRICAL ONE LINE DIAGRAM & DETAILS

PROJECT: TORREY PINES PARK
CITY OF LAS VEGAS PARKS & LEISURE ACTIVITIES

CHILDRENS MEMORIAL PARK

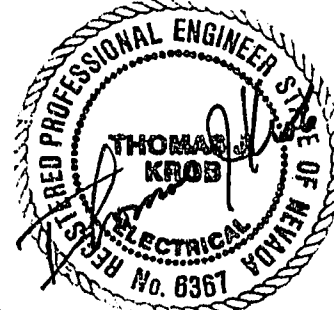
JOB NUMBER: 238

DATE: 5-18-92

DRAWN BY: NR

CHECKED BY: TOM KROB

RECOMMENDED:



DATE: 5-19-92

SHEET: 20

ES2

OF: 38

AS BUILT