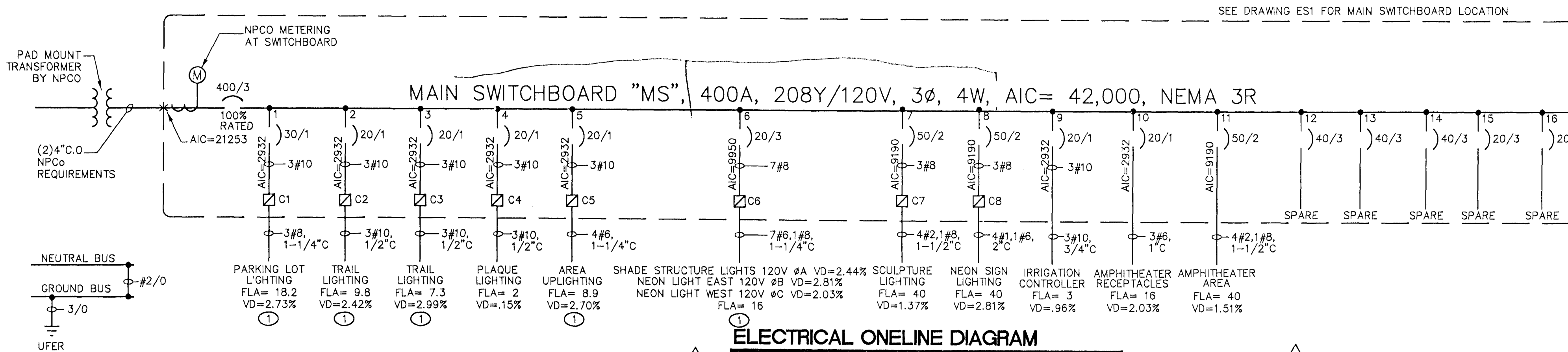


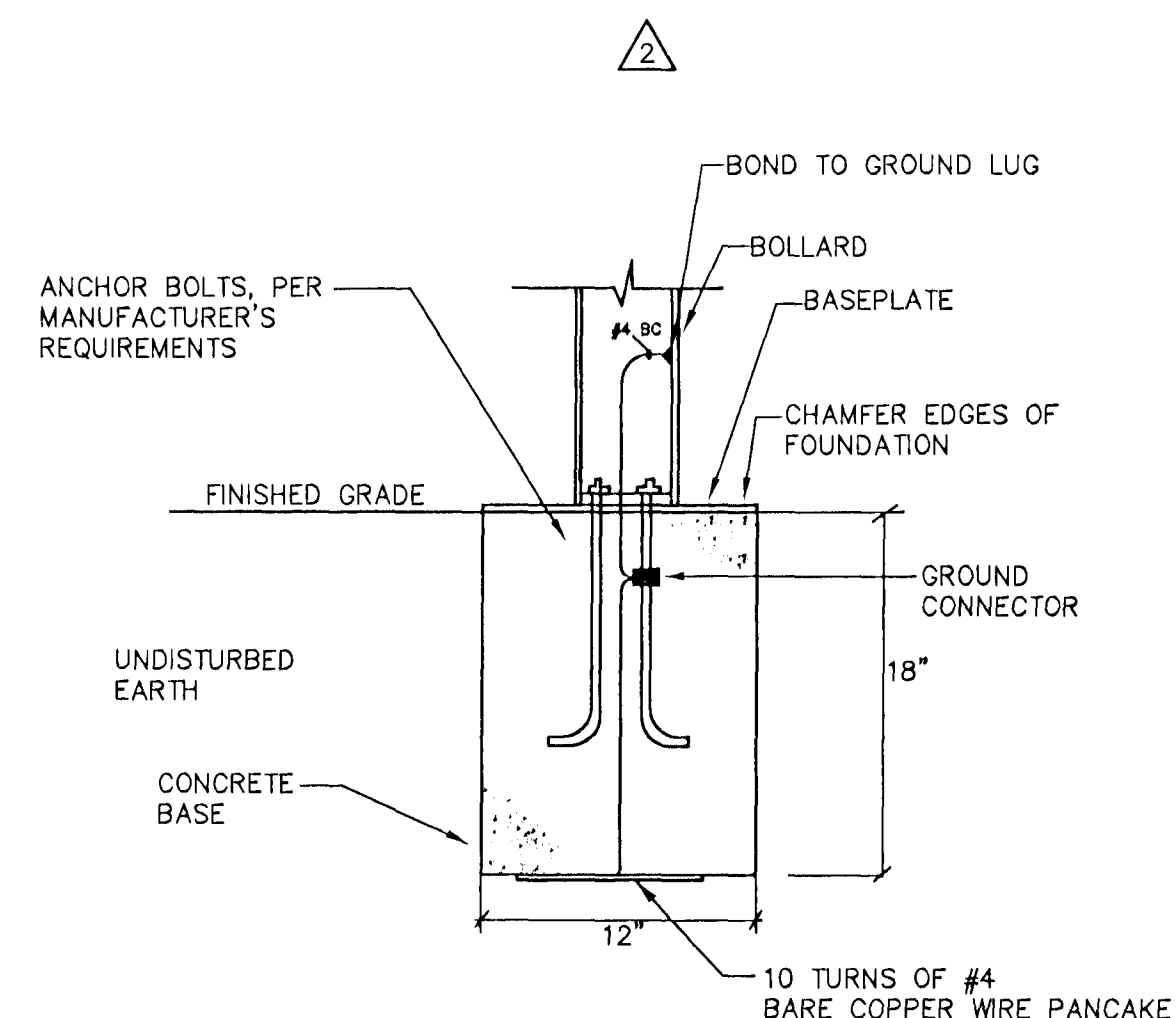


ELECTRICAL ONELINE DIAGRAM

NOT TO SCALE

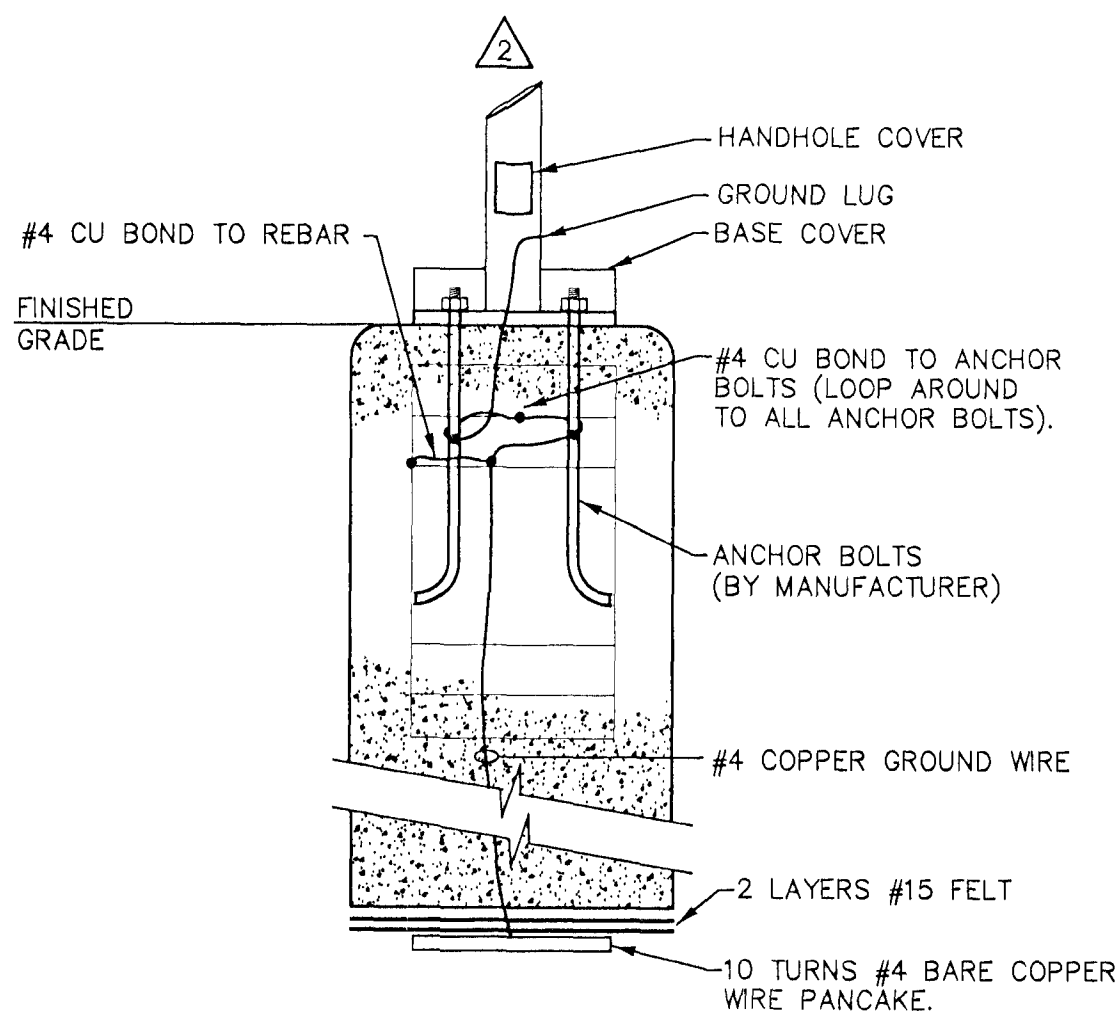
NOTE:

SEE DETAIL 2/EG1 FOR GROUNDING REQUIREMENTS



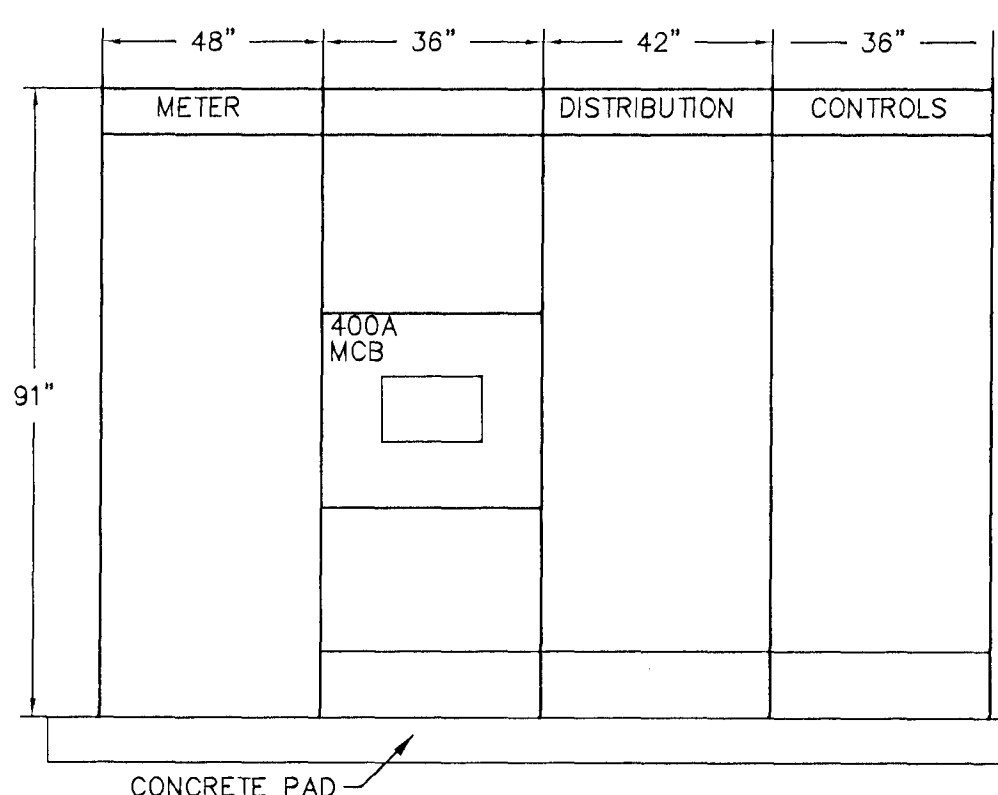
1 BOLLARD BASE DETAIL - F3 - ELEVATION

EG1 NOT TO SCALE



2 FOUNDATION GROUNDING DETAIL- F1/B, AND F2 ILLUMINATED SHADE STRUCTURE

EG1 NOT TO SCALE



MAIN SWITCHBOARD 'MS' ELEVATION

NOT TO SCALE

NOTE:

1. SWITCHBOARD SHOWN WITHOUT NEMA 3R DOORS FOR CLARITY.

2. SEE ONELINE DIAGRAM FOR CONDUIT AND FEEDER REQUIREMENTS.

3. CONDUIT TO CONTACTORS WILL NOT BE NEEDED IF CONTROL CABINET IS WITHIN THE MAIN SWITCHBOARD. CONDUIT WILL BE NEEDED IF ROUTED OUTSIDE EITHER ABOVE OR BELOW GROUND.

LIGHTING FIXTURE SCHEDULE

Copyright 2007 by TJK Consulting Engineers, Inc.

FIXT ID	TYPE	MANUFACTURER AND CATALOG NO	NO	WATT	LAMPS TYPE	CKT VLTG	REMARKS AND MOUNTING	LUMENS	LUMENS/WATT
F1	PARKING LOT HIGH PRESSURE SODIUM	LITHONIA LIGHTING KSE2-250S-R2-120-SP04-SF-DBL-LPI-KSE1VG	1	250	PULSE START	120	MOUNT ON A 17'-6" POLE PROVIDE A 4"x6" HAND HOLE PRIOR TO ORDERING LED COLOR WILL BE DETERMINED BY OWNER PROVIDE WITH VANDAL GUARD SEE DETAIL 2/EG1 FOR GROUNDING INFORMATION	16600	66
F1B	PARKING LOT HIGH PRESSURE SODIUM	LITHONIA LIGHTING KSE2-250S-R3-120-SP04-SF-DBL-LPI-KSE1VG	1	250	PULSE START	120	MOUNT ON A 17'-6" POLE PROVIDE A 4"x6" HAND HOLE PRIOR TO ORDERING LED COLOR WILL BE DETERMINED BY OWNER PROVIDE WITH VANDAL GUARD SEE DETAIL 1/EG1 FOR GROUNDING DETAIL	16600	66
F2	PEDESTRIAN TRAIL HIGH PRESSURE SODIUM	LITHONIA LIGHTING KSE1-70S-R2-120-SP04-SF-DBL-LPI-KSE1VG	1	70	PULSE START	120	MOUNT ON 14' POLE PROVIDE A 4"x6" HAND HOLE PRIOR TO ORDERING VERIFY THE COLOR. SEE DETAIL 1/EG1 FOR GROUNDING DETAIL	10900	156
F3	BOLLARD METAL HALIDE	LITELINES INC. TCB1800-RD-HL-100-HPS-120-24-AB-BZN-SB	1	100	PULSE START	120	CONCRETE BOLLARD ANCHOR BOLT BASE SEE DETAIL 1/EG1 FOR GROUNDING DETAIL	3500	35
F4	LED LIGHT RAMADA	LED INC LNH-FX150/120/XXXX	INCLUDED			120	COLOR TO BE DETERMINED BY OWNER PRIOR TO ORDERING TRANSFORMER FOR VERIFY CORRECT TRANSFORMER MOUNT MIN 10" FROM EDGE OF BENCH SEE DETAIL 1/EG3 FOR INSTALLATION. FIXTURE TO BE RECESSED IN MONUMENT. LOW VOLTAGE TRANSFORMER WILL BE INSTALLED IN REAR OF MONUMENT.	N/A	N/A
F5	IN-GROUND UPLIGHT METAL HALIDE	KIM LTV784-50W-BF73-PL73-RG60	1	50	PULSE START	120	PRIOR TO ORDER REFER TO MANUFACTURER FOR CORRECT LENS COLOR AND CORRECT DISTANCE FROM WALL PRIOR TO INSTALLATION	2950	59
F5B	RECESSED DOWN LIGHT LED STAINLESS STEEL	WINONA LED - V-LINE GEN4 LED-VL4-19-45-0002-ND24V-FIX-BLK-X-MOD	1	8	LED	24	REFER TO ARCHITECTS DETAILS FOR MOUNTING OF FIXTURES WITHIN SHELTER ROOF PRIOR TO ORDERING	N/A	N/A
F6	IN-GROUND UPLIGHT METAL HALIDE	KIM LTV784-50W-BF73-PL73-RG60	1	50	PULSE START	120	PRIOR TO ORDER REFER TO MANUFACTURER FOR CORRECT LENS COLOR AND CORRECT DISTANCE FROM WALL PRIOR TO INSTALLATION	2950	59
F7	SURFACE MOUNT FLUORESCENT 48"	KENALL CD-4-0-2-32-EB-1-G-2-WL	2	32	F32T8/SPX35/ECO	120	PROVIDE EISA COMPLIANT BALLAST	2950	92

ELECTRICAL LEGEND:

	SWITCHBOARD		TIME CLOCK
	TRANSFORMER		BRANCH CIRCUIT CONSISTING OF 2#12 IN MINIMUM SIZE CONDUIT NOT INCLUDING GROUND WIRE
	PULLBOX		HOME RUN TO PANELBOARD OR DEVICE - NUMBER OF ARROW HEADS INDICATES NUMBER OF CIRCUITS CONDUIT IN SLAB OR UNDERGROUND
	MOTOR STARTER		CIRCUIT BREAKER
	COMBINATION MOTOR STARTER		METERING
	CONTACTOR		TRANSFORMER
	TELEPHONE TERMINAL CABINET		GROUND ROD
	IN-GROUND FIXTURE		UFER/GROUND
	IN-GROUND FIXTURE		SPEAKER
	POLE MOUNTED HID AREA LIGHT LETTER DENOTES TYPE		MOTION DETECTOR
	FLOOR MOUNTED DUPLEX RECEPTACLE		CCTV SURVEILLANCE CAMERA OUTLET
	GFI RECEPTACLE - WEATHER PROOF		JUNCTION BOX (USED FOR CLARITY ONLY)
	ELECTRIC SHEET NOTE DESIGNATION		SHUNT TRIP
	SPECIAL PURPOSE RECEPTACLE - NUMBER REFERS TO RECEPTACLE SCHEDULE		GROUND FAULT INTERRUPTER
	CONTROL STATION		IRRIGATION CONTROLLER
	COMPUTER OUTLET OR SPECIAL PURPOSE COMMUNICATIONS		
	PHOTOELECTRIC CELL		

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR	CU	COPPER	J-BOX	JUNCTION BOX	TYP	TYPICAL
AFG	ABOVE FINISHED GRADE	DWG	DRAWING	KVA	KILOVOLT AMPS	UNO	UNLESS NOTED OTHERWISE
AL	ALUMINUM	ELEC	ELECTRICAL	KW	KILOWATT	V	VOLTS
BKR	BREAKER	EXT	EXISTING	LLTG	LIGHTING	VD	VOLTAGE DROP
C	CONDUIT	GFI	GROUND FAULT	INTS	NOT TO SCALE	VA	VOLT AMPS
CKT	CIRCUIT	INTERRUPT	INTERRUPT	IPNL	PANEL	WP	WEATHER PROOF
C.O.	CONDUIT ONLY	GND	GROUND	IPWR	POWER	XF	TRANSFORMER

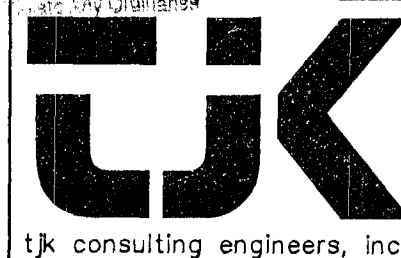
CONTACTOR SCHEDULE				
CONTACTOR #	RATING	NO. POLES	LOCATION	CIRCUITS CONTROLLED
C1	30	2	MAIN SWITCHBOARD	MS-11
C2	30	2	MAIN SWITCHBOARD	MS-22
C3	30	2	MAIN SWITCHBOARD	MS-33
C4	30	2	MAIN SWITCHBOARD	MS-44
C5	30	2	MAIN SWITCHBOARD	MS-55
C6	30	3	MAIN SWITCHBOARD	MS-66
C7	60	2	MAIN SWITCHBOARD	MS-77
C8	60	2	MAIN SWITCHBOARD	MS-88

CONTROL SCHEDULE			
CONTROL	DESCRIPTION	CONTACTORS CONTROLLED	AREA
PC1/TC1	PARKING AREA	C1	MS ENCLOSURE
PC2/TC2	TRAILS	C2 C3	MS ENCLOSURE
PC3/TC3	SIGNS, SHELTER, PLAQUE, AREA	C4 C5 C6 C7 C8	MS ENCLOSURE

PLANS APPROVED
ELECTRICAL
Building & Safety Dept.
City of Las Vegas, Nevada

MT AUG 05 2010

Does Not Indicate Structural Changes
Plumbing/MECHANICAL or CIVIL
Improvements Not a No Change
Without Review/Approval
Not a Permit to



5459 S. Durango Dr., Suite 100
Las Vegas, NV 89113
P: 702.871.3621
F: 702.871.8353
www.tjkengeers.com

DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART
LAS VEGAS, NEVADA 89101
(702) 253-6276

Neon Boneyard Park
City of Las Vegas

ELECTRICAL LEGEND
AND SCHEDULES

TITLE: 04-23-09
DESIGNED BY: 04-23-09
CHECKED BY: 04-23-09

PROJECT NO: TJK # 06078
SCALE: 1"=10'-0"

SHEET: 35 OF 38

DRAWING NO. 676-12