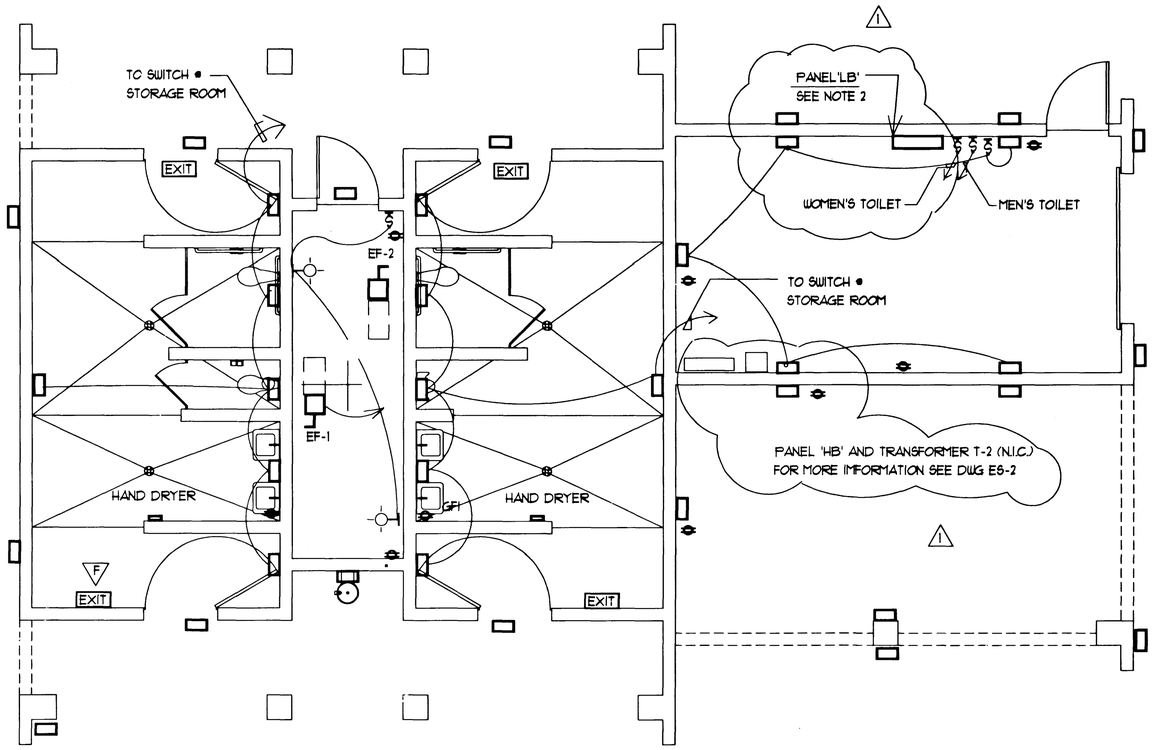

PANEL 'LB' SCHEDULE

150 AMPS/30 CIRCUIT CAPACITY, SURFACE MOUNTED PANEL 120/208V, 3?, 4W, 60 HZ
MIN. INTERRUPTING RATING 10,000 RMS

TYPE: ITE NLAB OR EQUAL

POLE	AMP TRIP	NO. POLES	WIRE & CONDUIT	REC.	LTS.	MISC.	LOAD SERVED	LOAD (VA) A	B	C
1	20	1	2#12/1/2"C	1	6		WOMEN'S TOILET LTS & RECEP	480		
2	20	1	2#12/1/2"C	1	6	1	MEN'S TOILET LTS & RECEP	480		
3	20	1	2#12/1/2"C			1	WOMEN'S TOILET HAND DRYER		2300	
4	20	1	2#12/1/2"C	3	5		STORAGE LTS & RECEP		790	
5	20	1	2#12/1/2"C			1	MEN'S TOILET HAND DRYER			2300
6	20	1	2#12/1/2"C		14		OUTDOOR LIGHTS			700
7	20	1	2#12/1/2"C	4	4		PATIO & PLUMBING CHASE	1020		
8	20	1	2#12/1/2"C			2	EXHAUST FAN 1 & 2	960		
9	20	1	2#12/1/2"C			4	EXIT/EMERGENCY		100	
10										
11										
12										
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30										
							WATTS/PHASE	2940	390	3000
							TOTAL CONNECTED LOAD +25% LCL		10170	
							LOAD AMPS @ 120/240 VOLTS		28.30 AMPS	

LIGHT FIXTURE SCHEDULE

MARK		MANUFACTURER & MODEL NO.	LAMP #	LAMP TYPE	REMARKS
A		KENALL MOD. #230-50W-HPS, 120V.NPF VANDALL PROOF WALL MOUNTED	1	50 HPS	SWITCH THRU PHOTO CELL / BY-PASS SWITCH
B		KENALL MOD. #230-50W-HPS, 120V.NPF VANDALL PROOF WALL MOUNTED	1	50 HPS	SWITCH THRU PHOTO CELL / BY-PASS SWITCH
C	EXIT	KENALL MOD. #6504-120V-EL-W WITH BATTERY PACK		INCLUDED	COMPLETE / BATTERY SYSTEM FOR EMERGENCY
D		KENALL MOD. #230-35W-HPS, 120V.NPF VANDALL PROOF WALL MOUNTED	1	35 HPS	SWITCH THRU PHOTO CELL / BY-PASS SWITCH
E					
F					
G					

NOTE: 1. ALL CONDUIT SHALL BE RUN OR CONCEALED INSIDE THE CONCRETE BLOCK WHERE APPLICABLE.
2. PANEL 'LB' SHALL BE CONNECTED TO TRANSFORMER T-2 WHICH IS N.I.C. OR TO BE FURNISHED AND INSTALLED BY OTHERS. FOR ONE LINE DIAGRAM SEE DWG ES-4.

FAULT CURRENT CALCULATIONS

THE FOLLOWING IS THE SHORT CIRCUIT USED TO DETERMINED THE SIZED OF THE CIRCUIT BREAKERS INTERUPTING RATING.

WHERE:

TRANSFORMER IS: KVA=30

SECONDARY VOLTAGE IS: KV = 0.240

NAMEPLATE IMPEDANCE IS: Z = 2.0%

SOURCE IS ASSUMED INFINITE FOR WORST CASE FAULT.

$$ISC = \frac{KVA \times 100}{KV \times Z}$$

$$ICS = \frac{30 \times 100}{0.24 \times 2.0\%}$$

ICS = 6,250 SHORT CIRCUIT AMPERES

MAXIMUM INTERUPTING RATING OF SERVICE SWITCHBOARD IS SPECIFIED AT 10,000 SYMMETRICAL AMPERES

DATE: 11-3-97
REVISIONS: REVISED PER CITY COMMENTS
DRAWN BY: H.L.
DESIGN BY: A.C.
PLOT SCALE: W.A.
PLD. BK.
DATE: 1/97

ARCHITECTURAL SERVICES

CITY OF LAS VEGAS NEVADA

DEPARTMENT OF PUBLIC WORKS

PROJECT: Torrey Pines Park & Ball Field

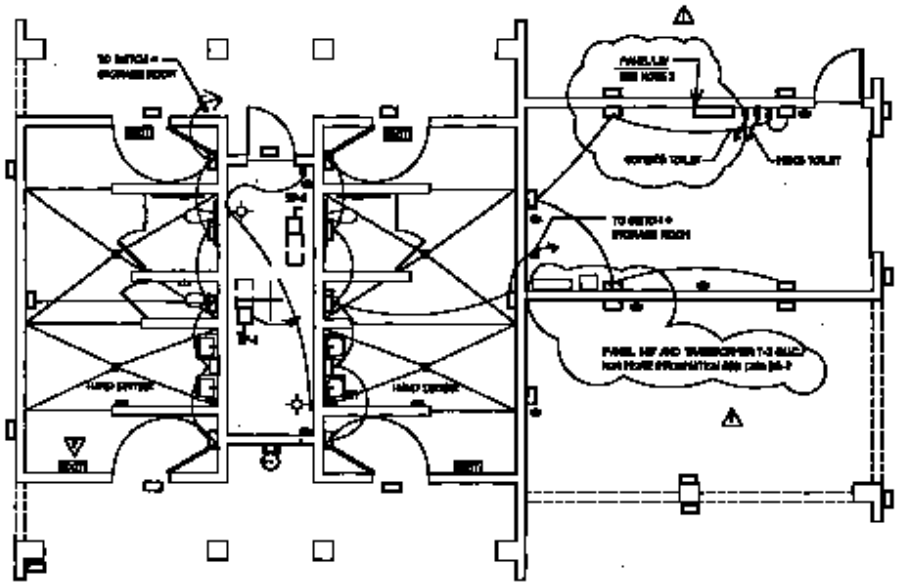
SHEET TITLE: BALL FIELD - ELECTRICAL FLOOR PLAN

SHEET NO. EB-1

DRAWING NO. 650.41

83/83

15437



PANEL 1B SCHEDULE