

FLUSH MOUNTED

**PANEL: A** PANEL VOLTAGE: 208/120 3ϕ 4W CIRCUIT CODE: blank or N : NON-CONTINUOUS  
 BUS: 225 L : LONG-CONTINUOUS  
 DATE: 02/02/01 TIME: 15:41:39 MAINS: MLO R : DEMANDABLE RECEPTACLES  
 JOB: 00041 AIC RATING: 22,000 K : KITCHEN NO. OF EQUIPMENT: 0

CIRCUIT CODE	TRIP	LOAD DESIGNATION (NOTE)	CONNECTED VA			LOAD DESIGNATION (NOTE)			TRIP	POLE	CIRCUIT CODE
			ΦA	ΦB	ΦC	ΦA	ΦB	ΦC			
1	L 20	EXTERIOR LTS			1625			RM 134, 135	20	1	2
3	L 20	EXTERIOR LTS			1575			RM 133	20	1	4
5	L 20	EXTERIOR ENTRY			500			RM 133	20	1	6
7	L 20	RM-133,136			1440			CAPTAIN OFFICE	20	1	8
9	L 20	RM 134,135			670			CAPTAIN OFFICE	20	1	10
11	L 20	HALLWAY			1320			MAIN ALARM STATION	20	1	12
13	L 20	RM 115,116,117,118			1376			CAPTAIN OFFICE	20	1	14
15	L 20	RM 106,108A,109,108			1320			RM 141, 104, 105	20	1	16
17	L 20	RM 141,104, 140, 105			1200			RM 140, 107, 109	20	1	18
19	L 20	RM 112,113,114			1210			ALARM STATION	20	1	20
21	L 20	HALL			1080			RESCUE APPARATUS BAY	20	1	22
23	L 20	CAPTAIN OFFICE			820			KITCHEN	20	1	24
25	L 20	DORMS			1200			DINING ROOM	20	1	26
27	L 20	RM 133			1920			DAYROOM	20	1	28
29	L 20	RM 123,124,126,125			1680			CAPTAIN DORM	20	1	30
31	L 20	RM 116,117,118			360			EXERCISE ROOM	20	1	32
33	L 20	RM 110			840			EXERCISE ROOM	20	1	34
35	L 20	RM 127, 126			1260			EXERCISE ROOM	20	1	36
37	L 20	RM 123, 124			1260			EXERCISE ROOM	20	1	38
39	L 20	RM 127, 125			1260			TELEPHONE BOARD	20	1	40
41	L 20	TELEPHONE BOARD			360			HALL	20	1	42

PANEL NOTES: PHASE TOTALS ΦA: 13511 ΦB: 14545 ΦC: 11900 TOTAL CONNECTED VA 39956  
 CONNECTED VA (CODE N) 19820  
 CONNECTED VA (CODE L) 20136  
 CONNECTED VA (CODE R) 0  
 CONNECTED VA (CODE K) 0  
 PANEL CONNECTED KVA 40.0  
 PANEL DEMAND KVA 45.0  
 PANEL DEMAND AMPS 124.9  
 HIGH Φ AMPS W/LCL 136.6

FLUSH MOUNTED

**PANEL: B** PANEL VOLTAGE: 208/120 3ϕ 4W CIRCUIT CODE: blank or N : NON-CONTINUOUS  
 BUS: 225 L : LONG-CONTINUOUS  
 DATE: 02/02/01 TIME: 15:42:27 MAINS: MLO R : DEMANDABLE RECEPTACLES  
 JOB: 00041 AIC RATING: 22,000 K : KITCHEN NO. OF EQUIPMENT: 0

CIRCUIT CODE	TRIP	LOAD DESIGNATION (NOTE)	CONNECTED VA			LOAD DESIGNATION (NOTE)			TRIP	POLE	CIRCUIT CODE
			ΦA	ΦB	ΦC	ΦA	ΦB	ΦC			
1	20	SPARE						UH-1C, 1E, 1D	20	1	2
3	20	DOOR OPENER			1200			UH-1A, 1B, 1F-1	20	1	4
5	20	DOOR OPENER			1200			TIME CLOCK	20	1	6
7	20	DOOR OPENER			1200			ANSUL SYSTEM	20	1	8
9	20	DOOR OPENER			1200			BATTERY CHARGER	20	1	10
11	20	GARAGE DOOR OPENER			1200			SPARE	20	1	12
13	20	GARAGE DOOR OPENER			1200			SPARE	20	1	14
15	20	BATTERY CHARGER			1200			SPARE	20	1	16
17	20	BATTERY CHARGER			1200			SPARE	20	1	18
19	20	EW			700			SPARE	20	1	20
21	20	COOL BOX			1200			GEN SET BATT CHARGER	20	1	22
23	20	VENDING MACHINE			1200			JACKET WATER HTR	20	1	24
25	20	VENDING MACHINE			1200			SPARE	20	1	26
27	20	GARBAGE DISPOSAL			1600			ROOF RECEPTACLE	20	1	28
29	20	DISHWASHER			1000			SPARE	20	1	30
31	20	REFRIGERATOR			1000			IRRIGATION CONTROLLER	20	1	32
33	20	REFRIGERATOR			1000			SPARE	20	1	34
35	20	REFRIGERATOR			1000			TRAFFIC CONTROLLER	20	1	36
37	20	EW			700			ALARM SYSTEM	20	1	38
39	20	CIRCULATING PUMP			100			ALARM SYSTEM	20	1	40
41	20	SPARE						GEN SET FUEL PUMP	20	1	42

PANEL NOTES: PHASE TOTALS ΦA: 8620 ΦB: 13500 ΦC: 8670 TOTAL CONNECTED VA 32190  
 CONNECTED VA (CODE N) 32190  
 CONNECTED VA (CODE L) 0  
 CONNECTED VA (CODE R) 0  
 CONNECTED VA (CODE K) 0  
 PANEL CONNECTED KVA 32.2  
 PANEL DEMAND KVA 32.2  
 PANEL DEMAND AMPS 86.4  
 HIGH Φ AMPS W/LCL 112.5

**SHEET NOTES**

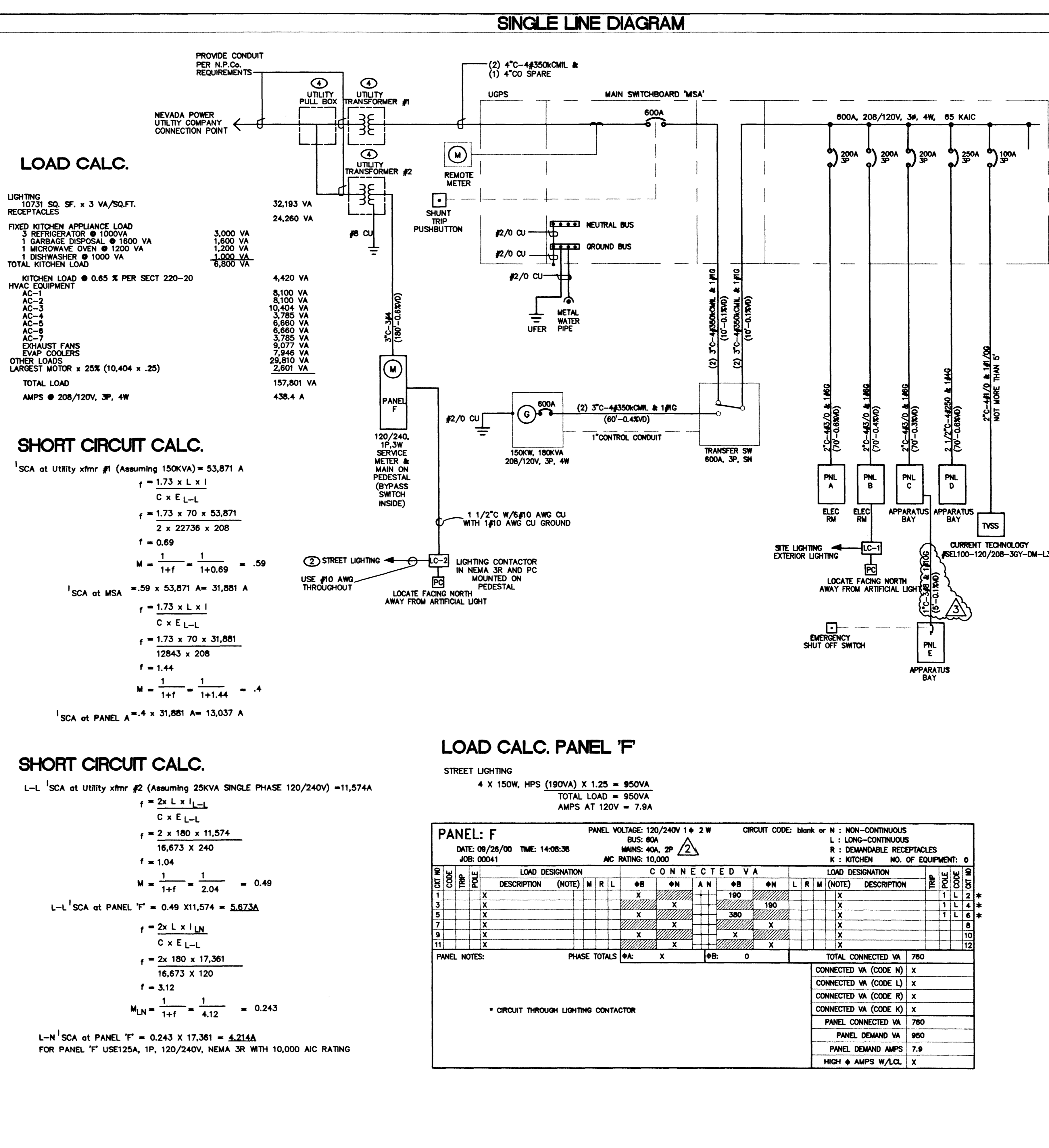
- CONNECT CIRCUIT VIA LC-1
- VERIFY VOLTAGE & RATING. ADJUST BREAKER & WIRE SIZE ACCORDINGLY.
- SWITCHED NEUTRAL BREAKERS
- PROVIDE XFMR PAD & PULL BOX PER UTILITY REQUIREMENTS. INCLUDE IN BID.

SURFACE MOUNTED-GASOLINE STATION TYPE PANELBOARD

**PANEL: E** PANEL VOLTAGE: 120/208 1ϕ 3W CIRCUIT CODE: blank or N : NON-CONTINUOUS  
 BUS: 60A L : LONG-CONTINUOUS  
 DATE: 09/26/00 TIME: 14:06:36 MAINS: 40A, 2P SHUNT TRIP BKR R : DEMANDABLE RECEPTACLES  
 JOB: 00041 AIC RATING: 10,000 K : KITCHEN NO. OF EQUIPMENT: 0

CIRCUIT CODE	TRIP	LOAD DESIGNATION (NOTE)	CONNECTED VA			LOAD DESIGNATION (NOTE)			TRIP	POLE	CIRCUIT CODE
			ΦA	ΦB	ΦC	ΦA	ΦB	ΦC			
1	20	FUEL PUMP			600			DISPENSING PUMP PWR	20	1	2
2	X				600			X			4
3	X							X			6
4	X							X			8
5	X							X			10
6	X							X			12

PANEL NOTES: PHASE TOTALS ΦA: 1800 ΦB: 600 TOTAL CONNECTED VA 2400  
 CONNECTED VA (CODE N) 2400  
 CONNECTED VA (CODE L) 0  
 CONNECTED VA (CODE R) 0  
 CONNECTED VA (CODE K) 0  
 PANEL CONNECTED KVA 2.4  
 PANEL DEMAND KVA 2.4  
 PANEL DEMAND AMPS 11.5  
 HIGH Φ AMPS W/LCL 10



CITY OF LAS VEGAS, NEVADA  
 FIRE STATION #44  
 SINGLE LINE DIAGRAM  
 PANEL SCHEDULES

REVISIONS:  
 3 6/13/02 MISC REV  
 2 11/27/01 OWNER REV  
 1 8/20/01 ADDED ENL3

DEC 2001  
 DEE INC  
 2000 S. BLANCO RD.  
 LAS VEGAS, NEVADA 89102  
 (702)971-6164

DESIGNED BY: AOA  
 CHECKED BY: AOA  
 DATE: 4/8/01  
 SCALE: NONE  
 PROJECT: C3297  
 SHEET NO: 105 OF 106  
 EN.2