DRAWING NUMBER 19 of 21

DRAWING NUMBER E1

Site Plan

S.A. Downtown PARKG. Structure

DRAWING NUMBER L-1853-17

SYMBOL LIST

	Fluorescent fixture	S	Single pole switch
	Fluorescent strip fixture	S_2	Double pole switch
	Recessed incand. fixture	S_3	Three way switch
	Incand. fixture	S_4	Four way switch
	Incand. fixture – wall mtd.	S_D	Dimmer switch
	Exit fixture	S_M	Manual motor starter
	Exit fixture – wall mtd.	S_P	Switch with pilot light
	Junction box	S_x	Switch – as noted
	Floodlight fixture		Tele stock
	Fixture – as noted		Transformer – as noted
	Duplex outlet		Disconnect switch
	Duplex outlet – ½ switched		Magnetic motor starter
	Duplex outlet – 20 Amp.		Combination starter
	Special outlet – as noted		Flush mtd. panel
	Floor outlet – as noted		Surface mtd. panel
	Clock outlet		Main switchboard
	Thermostat		Telephone outlet – wall mtd.
	Vent fan outlet		Telephone floor outlet
	Motor outlet		Dimmer detail A; sheet E-1
	Speaker outlet		Dimmer fixture F-1; 25 watts
	TV outlet		Conduit concealed above ceiling or in walls
			Conduit under slab or below grade
			Conduit run exposed
		N.L.	Night Light
		W.P.	Weatherproof
		C.O.	Conduit only with ½" polypropylene pull rope
		E.P.	Explosion Proof

TRAFFIC BARRIER 4"H x 8' (4' ABOVE ISLAND FLOOR)

CONCRETE FILLED (BY OTHERS)

1 - 1½" PVC TELEPHONE

3 #2 - 1½" PVC POWER AND 1 #8 GND

¾" PVC Ø TO SYCAMORE CONTROL

① TYPICAL CONTROL FOR 3RD. ST. AND BROADWAY ENTRANCES

DETAILS OF ELECTRICAL EQUIP. ROOM

UNDERGROUND PULL SECTION

PANEL 'LP'

CONTACTOR

IRRIGATION CONTROL LP 10

LP 16

TO UTILITY 1 - 4" PVC

400A - 277/480 V 'WEB'

TELEPHONE BACKBOARD

1½" PVC POWER
1½" PVC TELEPHONE
TELEPHONE BACKBOARD

45 KVA TRANSFORMER

PANEL 'PP' LP 15

TO BROADWAY BOOTH #2

¾" PVC CONTROLS

1½" PVC POWER
1½" PVC TELEPHONE

TO THIRD ST BOOTH #1

TO SYCAMORE GATE CONTROL

ELEVATOR DISCONNECT SWITCH (CHECK IN FIELD FOR LOCATION

EXISTING BUILDING

NOTE: ALL UNDERGROUND CONDUIT TO BE PVC SCHEDULE 40

TO FIRST BOOTH OUTLET AND FAN 3RD STREET BOOTH ONLY

BOOTH PANEL

3 #2 - 1½" PVC AND 1 #8 GND

FEED

CONTROL BOOTH

F3 00

F7 00

FEED

¾" PVC - 3 #2 TO BOOTH #1

REST ROOM

TRAFFIC BARRIER 4"H x 8' (4' ABOVE ISLAND FLOOR) CONCRETE FILLED (BY OTHERS)

¾" PVC Ø TYPICAL

¾" PVC Ø TO BOOTH #1 3RD ST

¾" PVC Ø TO BOOTH #2 BROADWAY CONTROL

② CONTROL FOR SYCAMORE ENTRANCE

FIXTURE SCHEDULE

SYMBOL	MOUNTING: RECESSED	WALL	PENDANT	CANOPY	BRACKET	POLE	LAMPS: NO.-TYPE	FIXTURE WATTS	MANUFACTURERS CATALOG NO. AND VOLTAGE ALL SUBJECT TO EQUIVALENT TYPES
F1						X	(4) F40 CW	183	"LITHONIA" STC240 WITH 4 WIRE GUARD 277V
F2						X	(4) F40 CW	185	SIMILAR TO F1 EXCEPT FOR 4 WITH 277V
F3		X					(1) 5231 PX 2 HOSE	100	"HI-TEK" TW705 277V
F4		X					(2) F40 RS CW	105	"PRESENTAL" P1251ARS, WITH EMERGENCY PACK 277V
F5		X					(1) INCAND.	100	"LITE TREND" TL1452 120V
F6		X					WITH PX	40	"HALO" 5655 W/LE289 WITH EMERGENCY PACK 277V
F7						X	(2) F40 RS CW	183	"LITHONIA" 6240 - 48" 277V
F8						X	(1) 8824 PTM, 42HO-HPES	500	NORTH STAR LIGHTING TYP ARSLS 277V
F9	X							250	FURNISHED BY OTHERS 120V
F10	X							250	FURNISHED BY OTHERS 120V

1ST & 2ND FLOOR PARKING

1ST & 2ND FLOOR PARKING

ALLEY FLOOD

STAIR WELL 20

REST ROOM

EXIT

ELEVATOR FLOOR

REAR FLOODLIGHT

R.R. FAN

MECH ROOM FAN

EXISTING BUILDING

SYCAMORE

1-4" PVC

ELEVATOR MACHINE ROOM UNDERGROUND PULL SECTION NO VAULT

SICE VAULT (EXISTING)

ELEVATOR

5" PVC (TELEPHONE)

1½" PVC POWER
1½" PVC TELEPHONE
¾" PVC CONTROLS

ELECTRICAL EQUIPMENT ROOM

1" PVC ELEVATOR
¾" PVC TELEPHONE

¾" PVC (ELEVATOR) (FP 1, 3, 5)

¾" PVC - (FIRE SPRINKLER) (LP 1, 3, 5)

1½" PVC POWER
1½" PVC TELEPHONE
¾" PVC CONTROLS

JOCKEY PUMP

BROADWAY

1½" PVC POWER
1½" PVC TELEPHONE
¾" PVC CONTROLS

PANEL 'BB'

BOOTH #2

PUBLIC TELEPHONE BOOTH

FIXTURE VISUALS

SUMP PUMP

WIRE GUARD FOR FIXTURES F1 AND F2 ONLY

F1 2-4' IN TANDEM
F2 2-4' IN TANDEM
F7 1-4'

F3 F4 F5 F6 F8

¾" PVC FOR SUMP PUMP

COLD WATER 1"-12 TO GROUND

PANEL 'SP'

¾" PVC CONTROLS

BOOTH #1

REST ROOM

¾" PVC

ELEVATOR CONTACT COAST ELEVATOR
15007 S MAIN L.A.
KEN RATH · 213-321-4430
TRAFFIC CONTROLS SYN-PAK CO
617 NEWHAMPSHIRE LA
MARVIN MARKS · 213-537-0749

SITE PLAN

SCALE 1/16" = 1'-0"

3RD. ST.

MODIFICATION OF LIGHTING SYSTEM SHT 1 OF 3

REVISIONS	BY
CHANGE FROM PULL TYP. INC. APRIL 82	AEK
PLAN CHECK CORRECTIONS APPROVED	APPROVED
JAN 83 AS BUILT	AEK

R&B ELECTRIC
ELECTRICAL CONTRACTORS
INDUSTRIAL · COMMERCIAL · MAINTENANCE
STATE LICENSE NO. 244853
1600 WEST KATELLA • ORANGE, CALIFORNIA 92667
(714) 974-2339

AS BUILT
ELECTRICAL CONTRACTORS AND ENGINEERS, INC.
ORANGE, CALIFORNIA
05 27 83
ALEX CRIBBES

PARKING STRUCTURE
201 W. 3RD STREET
BETWEEN BROADWAY AND MAIN
SANTA ANA

SITE PLAN

DRAWN	AEK
CHECKED	
DATE	05 05 82
SCALE	AS SHOWN
JOB NO	C-1853
SHEET	C-1853 E-1
OF	SHEETS

CAD DRAFTRACE 250

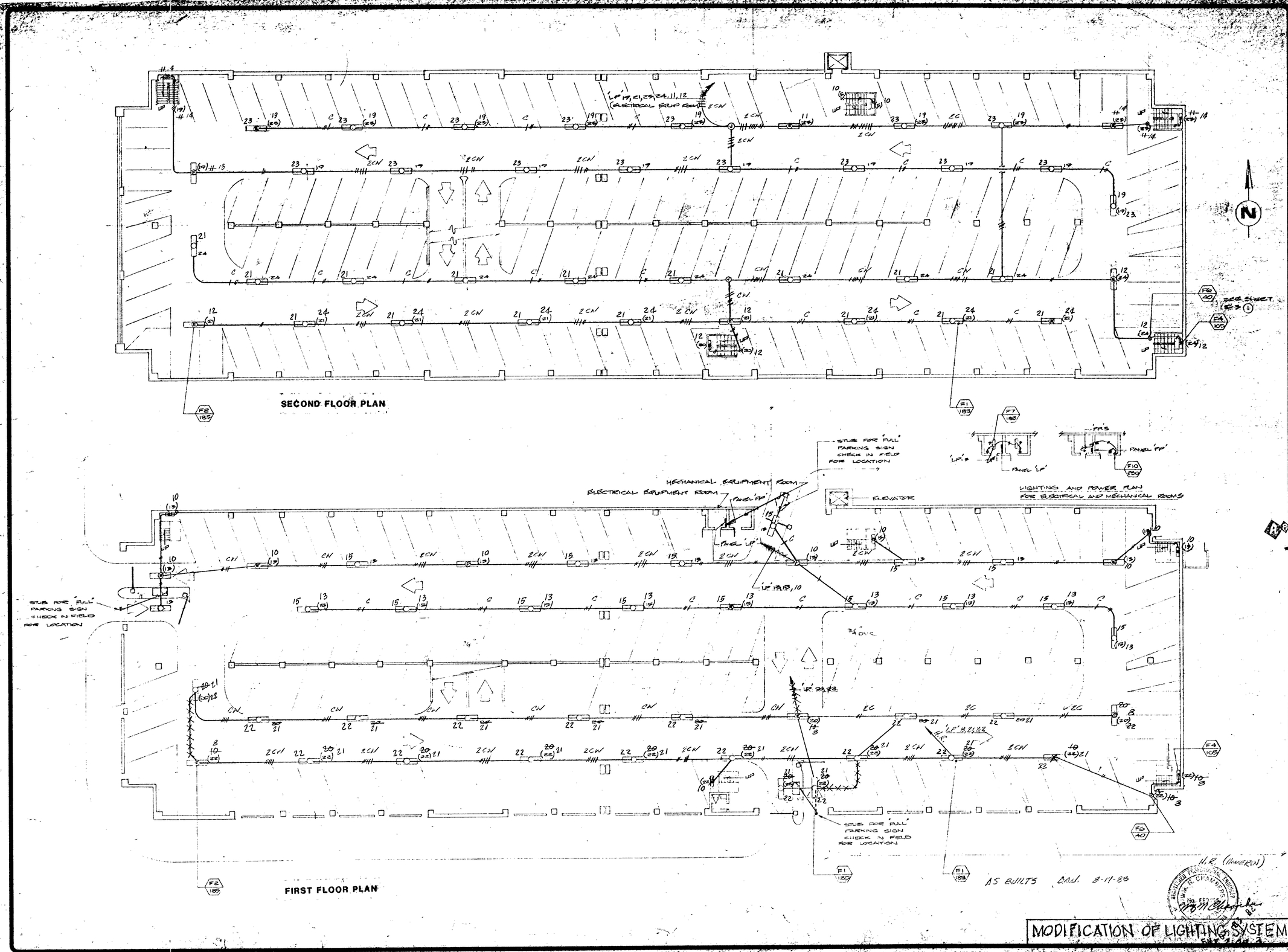
1-13-17

S.A. DOWNTOWN
PRKG. STRUCTURE

1st & 2nd Floor
Lighting

E-2

20 of 21



MODIFICATION OF LIGHTING SYSTEM

REVISIONS	BY
PLAN CHECK CORRECTIONS (APPROVED)	
JAN 83 AS BUILT	

A&B ELECTRIC
ELECTRICAL CONTRACTORS
INDUSTRIAL CONSTRUCTION & MAINTENANCE
STATE LICENSE NO. 24[illegible]
[illegible] MATELLA • ORANGE, CALIFORNIA [illegible]
(714) [illegible]

PARKING STRUCTURE
201 W. 3RD STREET
BETWEEN BROADWAY AND MAIN
SANTA ANA

FIRST AND SECOND FLOOR
LIGHTING

DRAWN	ALEX
CHECKED	
DATE	05.05.82
SCALE	1/16" = 1'-0"
JOB NO.	C-1853
SHEET	C-1853 E-2
OF	THREE SHEETS

3rd Floor Lighting
Panel schedules
Single line diagram

E-3

2/052/

S.A. DOWNTOWN
PRKG. STRUCTURE

1-13-17

REVISIONS	BY
PLAN CHECK CORRECTIONS (AS REQUIRED)	[illegible]
JAN 83 AS BUILT	ALEX

A&B ELECTRIC
ELECTRICAL CONTRACTORS
INDUSTRIAL CONSTRUCTION & MAINTENANCE
STATE LICENSE NO. [illegible] CALIFORNIA 92667
19200 WEST VALENCIA DR. FULLERTON, CALIFORNIA 92631
(714) 498-7131

PARKING STRUCTURE
201 W. 3RD STREET
BETWEEN BROADWAY AND MAIN
SANTA ANA

THIRD FLOOR LIGHTING
PANEL SCHEDULES
AND SINGLE LINE DIAGRAM

ELECTRICAL CONTRACTOR
ALEX [illegible]
LICENSE: ORANGE - SAN DIEGO
[illegible]
(714) 639-7131

DRAWN ALEX
CHECKED
DATE 05 DEC. 82
SCALE 1/16" = 1'-0"
JOB NO. C-1853
SHEET C-1853
E-3
OF THIRTEEN SHEETS

THIRD FLOOR PLAN

PHOTO ELECTRIC CELL

MOUNTING ARM TYPE MA4 MOUNTING ARRANGEMENT 680

4" SQUARE STEEL POLE

1" x 40" ANCHOR BOLTS (4 REQUIRED)

1" THICK STEEL BASE PLATE WITH 11.0" BOLT CIRCLE

24" SQUARE COLUMN

* POLE AND FIXTURE MOUNTING DETAILS (NTS)

THIS POLE ONLY... FOR STAIRWELL LIGHTING AND EXIT SIGNS SEE

4" SQUARE STEEL POLE

4 ANCHOR BOLTS, 20"x20"x 1/2" PLATE WELDED IN PLACE TO COLUMN REBAR

POLE MOUNTING TYPICAL FOR (5)

SCALE SKETCH 0:1482

STAIR LIGHTING (1) (TYPICAL)

SINGLE LINE DIAGRAM

A.I.C. 15,000 AMPS SYMMETRICAL

TO UTILITY CO. TRANSFORMER

1"ℓ2"C.U. TO UPPER GROUND

1"ℓ2"-1"C TO COLD WATER PIPE

400AS 400AF 3P

277/480V - 3ϕ-4W-60HZ 400A BUS

70AF 70AT 3P

70AF 70AT 3P

125AF 125AT 3P

3"ϕ6-1"PVC 1"ϕ GND

60AS

3"ϕ4-1"C

4"ϕ1-1½"C

4"ϕ2-2½"C

45KW

480V-120/208V 3ϕ-4W 1"ϕ4-1½"C

225AF 225AT

125A M.L.O.

PHOTO RELAY

CIRCUITS 7,9

50AMP/3P LIGHTING CONTACTOR

25HP

ELEVATOR

PANEL 'PP'

PANEL 'LP'

3"ϕ2-1½"PVC 1"ϕ GND

100A M.L.O.

PANEL 'BA' THIRD STREET BOOTH

100A M.L.O.

PANEL 'BB' BROADWAY BOOTH

225A M C/B PANEL 'PP'

CIR. NO.	CB RATING POLE	CB RATING AMP.	OUTLETS LTS.	OUTLETS REC.	OUTLETS MISC.	REMARKS	WATTS L-1	WATTS L-2	WATTS L-3
1	1	20			1	ELEVATOR	180		
2	2	100			1	BROADWAY PANEL	10740		
3	1	20	1			ELEVATOR LIGHT		100	
4								10740	
5	1	30			1	ELEVATOR SUMP			1800
6						SPARE			
7									
8						SPARE			
9	2	100			1	3RD ST. PANEL	10740		
10					1	IRRIGATION PNL		1200	
11									10740
12						SPARE			
13									
14						SPARE			
15				1		TELEPHONE		180	
16					1	SUMP PUMP			1800
17					1	MECHANICAL ROOM			180
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42						SPACE			

LIGHTING LOAD 0.1 KW @ 125% = 0.13 KW
RECEPTACLE LOAD 0.54 KW @ 100% = 0.54 KW
MISCELLANEOUS 46.75 KW @ 125% = 58.43 KW
TOTAL LOAD 57.1 KW

165 AMPS. AT 120/208 VOLTS 3 PHASE 4 WIRE 60 HERTZ
3" COND. W/ 4#300 MCM CABLES LOCATION AS SHOWN
MAIN 225 AMP C/B MOUNT SURFACE

100A MLO PANEL 'BA'

CIR. NO.	CB RATING POLE	CB RATING AMP.	OUTLETS LTS.	OUTLETS REC.	OUTLETS MISC.	REMARKS	WATTS L-1	WATTS L-2	WATTS L-3
1	1	20				SPARE			
2									
3									
4						SPARE			
5			1		1	REST ROOM	930		
6			2			BOOTH OUTLETS		370	
7	1	20			1	BOOTH LIGHT	185		
8					1	CONTROLS			
9						SPARE			
10									
11									
12	1	20				SPARE			

LIGHTING LOAD .27 KW @ 125% = 0.34 KW
RECEPTACLE LOAD .54 KW @ 100% = 0.54 KW
TOTAL LOAD 0.90 KW

5 AMPS. AT 120/208 VOLTS 1 PHASE 3 WIRE 60 HERTZ
1½" COND. W/ 5#2 CABLES LOCATION AS SHOWN
MAIN LUGS ONLY MOUNT SURFACE

100A MLO PANEL 'BB'

CIR. NO.	CB RATING POLE	CB RATING AMP.	OUTLETS LTS.	OUTLETS REC.	OUTLETS MISC.	REMARKS	WATTS L-1	WATTS L-2	WATTS L-3
1	2	40			1	AIR CONDITIONER	3600	3600	
2									
3	2	50			1	HEATER	3400	3400	
4									
5	1	20	3			BOOTH OUTLETS	570		
6	1	20	1		1	BOOTH LIGHT		185	
7	1	20			1	CONTROLS			
8						SPARE			
9									
10									
11									
12	1	20				SPARE			

LIGHTING LOAD .19 KW @ 125% = 0.24 KW
RECEPTACLE LOAD 0.18 KW @ 100% = 0.18 KW
MISCELLANEOUS 6 KW @ 125% = 7.50 KW
TOTAL LOAD 7.92 KW

39 AMPS. AT 120/208 VOLTS 1 PHASE 3 WIRE 60 HERTZ
1½" COND. W/ 5#2 CABLES LOCATION AS SHOWN
MAIN LUGS ONLY MOUNT SURFACE

125A MLO PANEL 'LP'

CIR. NO.	CB RATING POLE	CB RATING AMP.	OUTLETS LTS.	OUTLETS REC.	OUTLETS MISC.	REMARKS	WATTS L-1	WATTS L-2	WATTS L-3
1	1	20			1	JOCKEY PUMP	1200		
2						SPARE			
3									
4						SPARE			
5	1	20			1	3RD FLOOR LIGHTING			1200
6						PHOTO ELECTRIC CELL	29		
7					1	EMERGENCY			
8									
9			7			3RD FLOOR LIGHTING	1260		
10			-	23	@ TUBE	SPARE/EMERGENCY LIGHT			
11			-	10		SPARE			
12			-	10		SPARE/AMBULENCE			
13			(10)	18		1ST FLOOR LIGHTING	3240		
14						EMERGENCY			
15			(17)	18		1ST FLOOR LIGHTING		1620	
16			7			ALLEY FLOODS	700		
17						SPARE			
18			8			2ND FLOOR ROOF			800
19			(18)	16		2ND FLOOR LIGHTING	2880		
20			(13)	18		2ND FLOOR LIGHTING	2220		
21			(9)	16		1ST FLOOR LIGHTING		1440	
22			(12)	18		1ST FLOOR LIGHTING		2160	
23			(13)	16		2ND FLOOR LIGHTING			2220
24			-	16		2ND FLOOR LIGHTING			2400
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									

LIGHTING LOAD 24.9 KW @ 125% = 31.12 KW
RECEPTACLE LOAD
MISCELLANEOUS 1.8 KW @ 125% = 2.25 KW
TOTAL LOAD 33.37 KW

41 AMPS. AT 277/480 VOLTS 3 PHASE 4 WIRE 60 HERTZ
1¼" COND. W/ 4#2 CABLES LOCATION AS SHOWN
MAIN LUGS ONLY MOUNT SURFACE

CONTROL OF LIGHT

CKTS	CONTROLLED BY	SCHEDULED ON
15, 18, 19, 21, 22	TORK 7100 2L ASTRONOMIC TIME CLOCK	DUSK TO 9:00 P.M.
13, 16, 20, 23, 24	PHOTOCELL (EXTG.)	DUSK TO DAWN
10, 11, 12		ALWAYS ON

NOTE:
(CKT. 18 IS TO BE SWITCH OFF AT THIS TIME.)

MODIFICATION OF LIGHTING SYSTEM

DAF DRAFTRACK 200