277/480 VOLTS 3 PHASE 4 WIRE
LTG. PANEL ELP-GE SCHEDULE (EMERGENCY)
LOCATION/FLOOR GROUND-EAST ELECT. CLOS.
SURFACE MOUNTED
BUS SIZE 225 A
FEEDER SIZE #1 AL
FEEDER AMPACITY 100 A

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
STAIR #1 RM. LTG.	1180			16			1	20/1	20/1	2			24	3708			2ND & 3RD FLR. LTG.
STAIR #1 FAN RM LTG		700		7			3			4			24		3708		4TH & 5TH FLR. LTG.
STAIR #1 EXIT LTG.			1000	21			5			6			26			4082	6TH & 7TH FLR. LTG.
SPARE							7			8			12	1584			GROUND FLR. LTG.
LIGHTING. BSMT		2494		22			9			10							SPARE
SPARE							11			12							
							13			14							
							15			16							
							17			18							
							19			20							
							21			22							
							23			24							
							25		30/3	26				5,000			PNL. ELP-GE VIA 15 KVA T/F
							27			28					5,000		
							29			30						5,000	
SPACE							31			32							SPACE
							33			34							
							35			36							
							37			38							
							39			40							
							41			42							
TOTALS	1180	3604	1000	34.2 KVA CONN.									41 AMPS CONN.	10584	8708	9082	TOTALS

LIGHTING LOAD 19.0 KVA CONN. — DEMAND KVA 34.0 — DESIGN AMPS 80.3
OTHER CONT. LOAD 15.0 KVA CONN. — SPARE KVA 32.7 — ACTUAL DEMAND AMPS 41.0
NON-CONT. LOAD - KVA CONN. — DESIGN KVA 66.7 — 4.0 x 1.25 = 51.2 AMPS REQ'D
NON-CONT. DEMAND - KVA

277/480 VOLTS 3 PHASE 4 WIRE
LTG. PANEL 'LP-OL'
LOCATION/FLOOR OUTSIDE LIGHT
SURFACE MOUNTED
BUS SIZE 225A
FEEDER SIZE #3 CU
FEEDER AMPACITY 100 AMP

VOID

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
LIGHTING	1200			10			1	20/1	20/1	2			12	1200			LIGHTING
		600		6			3			4			10		1000		
			1000	10			5			6			6			600	
	1000			10			7		30/3	8			25	2500			5KVA TRANSFORMER
		[illegible]		15			9			10					2500		
			[illegible]	15			11		20/1	12							SPARE
	1700			17			13			14			15	1500			LIGHTING
		[illegible]		12			15			16			15		1500		
			[illegible]	12			17			18			15			1500	
SPARE							19			20			15	1500			
							21			22							SPARE
SPACE							23			24							SPACE
							25			26							
							27			28							
							29			30							
							31			32							
							33			34							
							35			36							
							37			38							
							39			40							
							41			42							
TOTALS	3700	3300	3700	24.5 KVA CONN.									30.6 AMPS CONN.	6700	5000	2100	TOTALS

LIGHTING LOAD 19.5 KVA CONN. — DEMAND KVA 24 — DESIGN AMPS 40.25
OTHER CONT. LOAD 5.0 KVA CONN. — SPARE KVA 7.5 — ACTUAL DEMAND AMPS 30.6
NON-CONT. LOAD - KVA CONN. — DESIGN KVA 32.0 — 30.6 x 1.25 = 38.25 AMPS REQ'D
NON-CONT. DEMAND - KVA

NOTE:
PANEL 'LP-OL' SHALL BE 24 CIRCUIT PANEL WITH SPLIT BUS. SECTION I SHALL CONTAIN CKTS #1 THRU #12 AND TO BE CONTROLLED BY ASCO 920 CONTACTOR BUILT IN. SECTION II SHALL CONTAIN CKTS #13 THRU #24 AND TO BE CONTROLLED BY ASCO 920 CONTACTOR BUILT IN. PANEL 'LP-OL' TO ..OA, 3P MAIN CIRCUIT BREAKER AHEAD OF EACH SPLIT SECTION.

277/480 VOLTS 3 PHASE 4 WIRE
PANEL ELP-GW (EMERGENCY)
LOCATION/FLOOR GROUND WEST ELECT. CLOS.
SURFACE MOUNTED
BUS SIZE 225A
FEEDER SIZE #1 AL
FEEDER AMPACITY 100A

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
STAIR #2 RM. LTG.	1180			16			1	20/1	20/1	2							SPARE
STAIR #2 & FAN RM		100		1			3			4			24		3500		4TH & 5TH FL. LTG.
STAIR #2 EXIT LTG.			1100	22			5			6			24			3500	6TH & 7TH FL. LTG.
BSMT. OFFICE LTG.	3948			28			7			8							SPARE
STAIR #3 EXIT LTG.		500		10			9			10			24	2675			TRUCK DOCK LTG.
STAIR #3 RM. LTG.			100	10			11			12			9			135	CAFET. KITCHEN LTG.
STAIR #3 RM. LTG.	700			1			13			14			17				CAFET. STAIR LTG.
SPARE							15			16			21		3150		GRND. FL. OFF. LTG.
							17			18			24			3500	2ND & 3RD FL. LTG.
							19			20							SPARE
							21			22							
							23			24							
							25		30/3	26				500			PNL. ELP-GW VIA
							27			28					500		15 KVA T/F
							29			30						500	
SPACE							31			32							SPACE
							33			34							
							35			36							
							37			38							
							39			40							
							41			42							
TOTALS	5828	1200	1200	42.1									50.5 AMPS	6800	14,325	13,800	TOTALS

LIGHTING LOAD 27.1 KVA CONN. — DEMAND KVA 42.1 — DESIGN AMPS 78.3
OTHER CONT. LOAD 15.0 KVA CONN. — SPARE KVA 22.9 — ACTUAL DEMAND AMPS 50.5
NON-CONT. LOAD 0 KVA CONN. — DESIGN KVA 65 — 50.5 x 1.25 = 63 AMPS REQ'D
NON-CONT. DEMAND 0 KVA

277/480 VOLTS 3 PHASE 4 WIRE
PANEL LP-2NE
LOCATION/FLOOR NORTH EAST (2ND FLOOR)
SURFACE MOUNTED
BUS SIZE 225A
FEEDER SIZE 4/0 AL
FEEDER AMPACITY 175A

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
NE OFFICE &	2992			34			1	20/1	20/1	2			32	3816			CN OFFICE LTG
CORRIDOR LTG.		3080		35			3			4			38		3344		
CORRIDOR LTG.			3168	36			5			6			44			3892	
CONF. RM. LTG.	1716			13			7			8			11	968			NE PERIMETER LTG.
NE PERIMETER LTG		2200		25			9			10			22		1936		NE PERIMETER LTG.
NE PERIMETER LTG			1144	13			11			12			25			2200	NE OFFICE LTG.
SPARE							13			14			13	1144			NE OFFICE LTG.
							15			16							SPARE
							17			18							
							19			20							
							21			22							
							23			24							
							25		70/3	26	26			1500			PNL. DP-NE VIA
							27			28					1500		45 KVA T/F
AC-2T-1E (SEE NOTE *)			8227			1	29	40/1		30						1500	
SPACE							31			32							SPACE
							33			34							
							35			36							
							37			38							
							39			40							
							41			42							
TOTALS	4708	5280	12539	83.8									100.56 AMPS	19928	20,280	21072	TOTALS

LIGHTING LOAD 30.6 KVA CONN. — DEMAND KVA 79.7 — DESIGN AMPS 124.0
OTHER CONT. LOAD 45.0 KVA CONN. — SPARE KVA 23.3 — ACTUAL DEMAND AMPS 95.6
NON. CONT. LOAD 8.2 KVA CONN. — DESIGN KVA 103.0 — 95.6 x 1.25 = 119.5 AMPS REQ'D
NON CONT. DEMAND 4.1 KVA

NOTE: *
PROVIDE SHUNT TRIP RELAY FOR CKT #29. TRIP RELAY TO PROVIDE LIFE SAFETY FAN SHUT DOWN MTD. IN A SEPARATE ENCLOSURE (SEE TYPICAL WIRING DIAGRAM IN TENANT DWG. T-EL-1W)

277/480 VOLTS OUTSIDE LIGHTING 3 PHASE 4 WIRE
PANEL LP-OL SECT. I
LOCATION/FLOOR MAIN ELECT. RM LL
SURFACE MTD. BOTTOM FED
BUS SIZE 100A
FEEDER SIZE 4#1 AL FM DP-SW1
FEEDER AMPACITY 110 A

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
SPARE							1	20/1	20/1	2			12	1200			BLDG SIDEWALK & ROAD (N.E. & S) AND
WEST CANOPY & WEST PLAZA		800		8			3			4			10		1000		SOUTH EXIT DRIVE
CANOPY S.W.			1000	10			5			6			6			600	PLAZA EAST OF CAFET.
CANOPY S.E.	1000			10			7			8							SPARE
SPARE							9		30/2	10					2500		PNL. UP-OL VIA
SPARE							11			12						2500	5 KVA T/F
TOTALS	1000	800	1000	10.6 KW KVA CONN									12.16 AMPS CONN	1200	3500	3100	TOTALS

Margin notes: B3/3 NORTH PARKING LOT; B3/2/B3 NORTH PARKING LOT

Right side notes: CONTACTOR CONTROLLED FROM TIME CLOCK TC-1 IN SECURITY RM SEE WIRING DIAG. ON DWG E1.1 — 100/3 MAIN BREAKER — 20/1 CONT. BKR FOR TIME CLOCKS TC1 & TC2

LIGHTING LOAD 5.6 KVA CONN. — DEMAND KVA 10.6 — DESIGN AMPS 40.25
OTHER CONT. LOAD 5.0 KVA CONN. — SPARE KVA 21.4 — ACTUAL DEMAND AMPS 12.16
NON. CONT. LOAD Φ KVA CONN. — DESIGN KVA 32.0 — 12.16 x 1.25 = 16 AMPS REQ'D
NON. CONT. DEMAND Φ KVA

277/480 VOLTS OUTSIDE LIGHTING 3 PHASE 4 WIRE
PANEL LP-OL SECT II
LOCATION/FLOOR MAIN ELECT. RM. LL
SURFACE MTD. BOTTOM FED
BUS SIZE 100A
FEEDER SIZE 4#1 AL FM DP-SW-6
FEEDER AMPACITY 110A

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
							1										
							3										
							5										
							7										
							9										
NORTH PERIMETER	1700			17			13	20/1	20/1	14			15	1500			EAST PARKING
NE & E PERIMETER		1200		12			15			16			15		1500		LOT
SE & E PERIMETER			1200	12			17			18			15			1500	SOUTH PARKING
VAN POOL PARKING	1000			10			19			20			15	1500			SOUTH HALF
SOUTH PARKING LOT		1500		15			21			22							SPARE
(NORTH HALF)			1500	15			23			24							SPARE
TOTALS	2100	2100	2100	14.1 KW									16.98 AMPS CONN.				TOTALS

Notes: CONTACTOR CONTROLLED FROM TIME CLOCK TC2 IN SECURITY ROOM SEE WIRING DIAGRAM ON DWG E1 — 100/3 MAIN BREAKER

LIGHTING LOAD 14.1 KVA CONN — DEMAND KVA 14.1 — DESIGN AMPS 40.25
OTHER CONT. LOAD 0 KVA CONN — SPARE KVA 21.4 — ACTUAL DEMAND AMPS 16.98
NON-CONT. LOAD 0 KVA CONN — DESIGN KVA 32.0 — 16.98 x 1.25 = 21.2 AMPS REQ'D
NON-CONT. DEMAND 0 KVA

277/480 VOLTS 3 PHASE 4 WIRE
PANEL LP-2SE
LOCATION/FLOOR SOUTH EAST (2ND FLOOR)
SURFACE
BUS SIZE 225A
FEEDER SIZE 4/0 AL
FEEDER AMPACITY 175A

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
SE OFFICE &	2112			24			1	20/1	20/1	2			28	2464			SE OFFICE LTG.
CORRIDOR LTG.		2640		30			3			4			31		3728		
CORRIDOR LTG.			3168	36			5			6			34			2992	
CENTER SOUTH OFF	2464			28			7			8			25	3300			SE PASSAGE LTG.
		2816		32			9			10			13		1716		
			3168	36			11			12							SPARE
SE PASSAGE LTG	3564			27			13			14							
SPARE							15			16							
							17			18							
							19			20							
							21			22							
							23			24							
							25		70/3	26				15000			
							27			28	26				15000		PNL. DP-SE VIA
							29			30						15000	45 KVA T/F
SPACE							31			32							SPACE
							33			34							
							35			36							
							37			38							
							39			40							
							41			42							
TOTALS	8140	5456	6336	78.13									93.8 AMPS	20164	19444	17992	TOTALS

LIGHTING LOAD 33.13 KVA CONN. — DEMAND KVA 78.13 — DESIGN AMPS 132.2
OTHER CONT. LOAD 45.0 KVA CONN. — SPARE KVA 35.77 — ACTUAL DEMAND AMPS 93.8
NON-CONT. LOAD — KVA CONN. — DESIGN KVA 113.9 — 93.8 x 1.25 = 119.2 A REQ'D
NON. CONT. DEMAND — KVA

277/480 VOLTS 3 PHASE 4 WIRE
PANEL LP-2SW
LOCATION/FLOOR SOUTH WEST (2ND FLOOR)
SURFACE
BUS SIZE 225A
FEEDER SIZE 4/0 AL
FEEDER AMPACITY 175A

LOCATION	ØA	ØB	ØC	LTS	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTS	ØA	ØB	ØC	LOCATION
SW OFFICE &	3784			43			1	20/1	30/1	2			43	3784			SW OFFICE LTG
CORRIDOR LTG.		3960		45			3			4			50		4400		
CORRIDOR LTG.			4048	46			5			6			36			3168	
FAN RM LTG.	100			4			7			8			5	660			MAIL RM. LTG.
SW PASSAGE LTG		3432		36			9			10			8		1056		CONFERENCE RM. LTG
SW PASSAGE LTG			2904	22			11			12			24			3168	SW. PASSAGE LTG
SPARE							13			14							SPARE
							15			16							
							17			18							
							19			20							
							21			22							
							23			24							
* AC-2T-1	4992						25	20/3	70/3	26				15000			
		4992				26	27			28					15000		PNL. DP-SW VIA
			4992				29			30						15000	45 KVA T/F
SPACE							31			32							
							33			34							
							35			36							
							37			38							
							39			40							
							41			42							
TOTALS	8416	11984	11544	93.2									111.8 AMPS	19444	20456	21336	TOTALS

LIGHTING LOAD 34.5 KVA CONN. — DEMAND KVA 80.3 — DESIGN AMPS 124.0
OTHER CONT. LOAD 45.0 KVA CONN. — SPACE KVA 16.7 — ACTUAL DEMAND AMPS 103.9
NON CONT. LOAD 13.7 KVA CONN. — DESIGN KVA 103.0 — 103.9 x 1.25 = 129.9 A REQ'D
NON CONT. DEMAND 10.8 KVA

* PROVIDE SHUNT TRIP RELAY FOR A/C UNIT FOR LIFE SAFETY FAN SHUT DOWN.
(SEE TYPICAL WIRING IN TENANT DWG. T-EL-1W)

Norwalk
Building 43
Norwalk, California

Skidmore, Owings & Merrill
Architects/Engineers
One Maritime Plaza
San Francisco, California

Jaros, Baum & Bolles
Consulting Engineers
345 Park Avenue
New York, New York

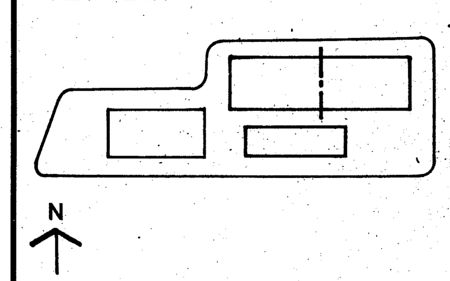
Approved for the Owner by
Approved for the Architect by
Drawn by — Job Number
Checked by — Date

Revisions

No.	Revisions Indicated thus △:	Date
1	ADD. Nº 20 ISSUED FOR BID	2-4-82
2	ADDENDUM NO. 37 ... BUILDING PERMIT	4-30-82
3	ADDENDUM Nº 100	1-19-83
	AS BUILT	6-25-84

NO.	DATE	REVISIONS	DRN	CHK	PROJ ENG
△	3/1/84	KW AS BUILT UPDATE	TU	HM	LD

BECHTEL LOS ANGELES JOB NO. 648-0080
EE 8748

KEY PLAN


LIGHTING PANEL SCHEDULES

E-28b

2-15-84