LIGHTING RELAY SCHEDULE_LCP1N

RELAY	CIRCUIT #'s	LOAD CONTROLLED	ROOM DESIGNATION	REMARKS
1	L1N-10	Fluorescent TYPE 'B', 'G4'	Corridor lights 1st floor	via BMS interface
2	L1N-4	Fluorescent TYPE 'A2'	Lights in Spa Lab	via BMS interface
3	L1N-6	Fluorescent TYPE 'A2'	Lights in Est Lab	via BMS interface
4	L1N-3	Fluorescent TYPE 'G3'	Canopy lights	control thru photocell
5	L2N-12	Fluorescent TYPE 'B'	Corridor lights 2nd floor	via BMS interface
6	L2N-14	Fluorescent TYPE 'G3'	Canopy lights	control thru photocell
7				
8				

LC&D GR1400-8-277 with TC, photocell connector and BMS input

PANEL P2NA (1)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
900			Hair Lab station			1	20	1	A	2	20	1			Hair dryer	950		
	900		Hair Lab station			1	20	3	B	4	20	1			Hair dryer		950	
		900	Hair Lab station			1	20	5	C	6	20	1			Hair dryer			950
900			Hair Lab station			1	20	7	A	8	20	1			Hair dryer	950		
	900		Hair Lab station			1	20	9	B	10	20	1			Hair dryer		950	
		900	Hair Lab station			1	20	11	C	12	20	1			Hair dryer			950
900			Hair Lab station			1	20	13	A	14	20	1			Hair dryer	950		
	900		Hair Lab station			1	20	15	B	16	20	1			Hair dryer		950	
		900	Hair Lab station			1	20	17	C	18	20	1			Wig dryer			1764
900			Hair Lab station			1	20	19	A	20	20	1			Hair Lab station	900		
	900		Hair Lab station			1	20	21	B	22	20	1			Hair Lab station		900	
		900	Hair Lab station			1	20	23	C	24	20	1			Hair Lab station			900
900			Hair Lab station			1	20	25	A	26	20	1			Hair Lab station	900		
	900		Hair Lab station			1	20	27	B	28	20	1		7	Conven. Outlets		1260	
		900	Hair Lab station			1	20	29	C	30	20	1			Spare @ j-box oper pa			
900			Hair Lab station			1	20	31	A	32	20	1		7	Conven. Outlets	1260		
	900		Hair Lab station			1	20	33	B	34	20	1		2	Exterior Outlets		360	
		900	Hair Lab station			1	20	35	C	36	20	1			Spare			
900			Hair Lab station			1	20	37	A	38	20	1			Spare			
	900		Hair Lab station			1	20	39	B	40	20	1			Spare			
			Spare			1	20	41	C	42	20	1			Spare			
6300	6300	5400	VA/LINE													5910	5370	4564

ØA= 12210 — ØB= 11670 — ØC= 9964

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 3600 x1.00= 3600; REMAINDER ____ x0.50= ____; OTHER 58364 x1.00 58364

TOTAL DESIGN kVA= 62 — TOTAL DESIGN AMPS= 172

Feeder: 4/0 AWG

PANEL P1NA (1)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
600			Spa Lab fl. box			1	20	1	A	2	20	1			Spa Lab floor	600		
	600		Spa Lab fl. box			1	20	3	B	4	20	1			Spa Lab floor		600	
		600	Spa Lab fl. box			1	20	5	C	6	20	1			Spa Lab floor			600
600			Spa Lab fl. box			1	20	7	A	8	20	1			Spa Lab floor	600		
	600		Spa Lab fl. box			1	20	9	B	10	20	1			Spa Lab floor		600	
		600	Spa Lab fl. box			1	20	11	C	12	20	1			Spa Lab infared lamp			600
600			Spa Lab fl. box			1	20	13	A	14	20	1			Wiremold Wax pots	500		
	600		Spa Lab fl. box			1	20	15	B	16	20	1			Wiremold Wax pots		500	
		600	Spa Lab fl. box			1	20	17	C	18	20	1			Wiremold Wax pots			500
600			Spa Lab fl. box			1	20	19	A	20	20	1			Heating unit	600		
	600		Spa Lab fl. box			1	20	21	B	22	20	1			Spare			
		600	Spa Lab fl. box			1	20	23	C	24	20	1			Dryer			950
600			Spa Lab fl. box			1	20	25	A	26	20	1			UC refrig	500		
	600		Spa Lab fl. box			1	20	27	B	28	20	1		5	Material dispensery		900	
		600	Spa Lab fl. box			1	20	29	C	30	20	1		7	Conven. Outlets			1260
750			Infared lamps			1	20	31	A	32	20	1			Door operator	250		
	750		Infared lamps			1	20	33	B	34	20	3			Washer		1200	
		750	Infared lamps			1	20	35	C	36	-	-			-			1200
750			Infared lamps			1	20	37	A	38	-	-			-	1200		
	750		Infared lamps			1	20	39	B	40	20	1			Spare			
		750	Infared lamps			1	20	41	C	42	20	1		2	CDP			360
4500	4500	4500	VA/LINE													4250	3800	5470

ØA= 8750 — ØB= 8300 — ØC= 9970

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 7020 x1.00= 7020; REMAINDER ____ x0.50= ____; OTHER 44000 x1.00 44000

TOTAL DESIGN kVA= 51 — TOTAL DESIGN AMPS= 142

Feeder: 4/0 AWG

PANEL L1N (1)

MOUNTING SURFACE — 22,000 A.I.C. SYM
480/277 VOLTS 3 PHASE 4 WIRE — MAIN 100 A — BUS 100 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
			Spare			1	20	1	A	2	20	1			Lights corridor	1270		
	288		Lights Canopy exter			1	20	3	B	4	20	1			Lights SPA Lab		2430	
			Spare			1	20	5	C	6	20	1			Lights EST Lab			2695
500			Ext site lts			1	20	7	A	8	20	1			Lts classrm/recpt	1990		
	200		Exter site lts NL			1	20	9	B	10	20	1			Lts office/mtg/stor		2850	
			LCP spare at gutter			1	20	11	C	12	20	1			Spare			
			Spare			1	20	13	A	14	20	1			Spare			
			Spare			1	20	15	B	16	20	1			Ext site lts		500	
			Spare			1	20	17	C	18	20	1			Ext site lts NL			200
			Spare			1	20	19	A	20	20	1			East inscrip ext shell	500		
			Spare			1	20	21	B	22	20	1			Spare			
			Spare			1	20	23	C	24	20	1			Spare			
			Spare			1	20	25	A	26	20	1			Spare			
			Spare			1	20	27	B	28	20	1			Spare			
			Spare			1	20	29	C	30	20	1			Spare			
			Spare			1	20	31	A	32	20	1			Spare			
			Spare			1	20	33	B	34	20	1			Spare			
			Spare			1	20	35	C	36	20	1			Spare			
			Spare			1	20	37	A	38	20	1			Spare			
			Spare			1	20	39	B	40	20	1			Spare			
			Spare			1	20	41	C	42	20	1			Spare			
500	488		VA/LINE													3760	5780	2895

ØA= 4260 — ØB= 6268 — ØC= 2895

CONTINUOUS LOADS: 30677 x1.25= 38346
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA ____ x1.00= ____; REMAINDER ____ x0.50= ____; OTHER ____ x1.00 ____

TOTAL DESIGN kVA= 38 — TOTAL DESIGN AMPS= 46

(1) Provide side lugs tap enclosure.

PANEL P2NC (1)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208 120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC	
540			Large classrm teach	3		1	20	1	A	2	20	1			Outdoor camera	250			
	500		Projector			1	20	3	B	4	20	1			Power door assist		500		
		500	Projector			1	20	5	C	6	20	1			Spare				
1000			Proj. screen			1	20	7	A	8	20	1		1	Comput desk/Salon	180			
	720		Classrm wall outl	4		1	20	9	B	10	20	1		4	Computers/hair lab		720		
		500	Classrm 218/teach			1	20	11	C	12	20	1			Printer/Hair lab			1000	
500			Projector			1	20	13	A	14	20	1			Flat pnl display	500			
	1080		Classrm wall outl	6		1	20	15	B	16	20	1		4	Recpt desk/Dispens		720		
		1080	Office outlets	6		1	20	17	C	18	20	1			Shampoo chair			1000	
1080			Office outlets	6		1	20	19	A	20	20	1			Spare				
	720		Office outlets	4		1	20	21	B	22	20	1		4	Hall conv plugs		720		
		1000	Copier			1	20	23	C	24	20	1			Spare				
900			Office outlets	5		1	20	25	A	26	20	1			Spare				
	500		Refrigerator			1	20	27	B	28	20	1			Hair lab outlet		500		
		1500	Microwave			1	20	29	C	30	20	1			Spare				
			Spare			1	20	31	A	32	20	1			Spare				
			Spare			1	20	33	B	34	20	1			Mtr 120 1/2 HP		1176		
			Spare			1	20	35	C	36	25	2			CU-2			1456	(1)
			Spare			1	20	37	A	38	-	-				1456			
			Spare			1	20	39	B	40	20	1			Spare @ e rm gutter				(1)
			Spare			1	20	41	C	42	20	1		2	Roof			360	
4020	3520	4580	VA/LINE													2386	4336	3816	

ØA= 6406 — ØB= 7856 — ØC= 8396

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 8820 x1.00= 8820; REMAINDER ____ x0.50= ____; OTHER 45088 x1.00 45088

TOTAL DESIGN kVA= 54 — TOTAL DESIGN AMPS= 150

Feeder: 4/0 AWG

PANEL P2NA (2)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

	ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC	
	900			Hair Lab station			1	20	43	A	44	20	1			Hair Lab station	900			
		900		Hair Lab station			1	20	45	B	46	20	1			Hair Lab station		900		
			900	Hair Lab station			1	20	47	C	48	20	1			Hair Lab station			900	
	900			Hair Lab station			1	20	49	A	50	20	1			Hair Lab station	900			
		900		Hair Lab station			1	20	51	B	52	20	1			Hair Lab station		900		
			900	Hair Lab station			1	20	53	C	54	20	1			Hair Lab station			900	
	900			Hair Lab station			1	20	55	A	56	20	1			Hair Lab station	900			
		900		Hair Lab station			1	20	57	B	58	20	1			Hair Lab station		900		
			900	Hair Lab station			1	20	59	C	60	20	1			Hair Lab station			900	
	900			Hair Lab station			1	20	61	A	62	20	1			Hair Lab station	900			
		510		Dispensary/door ope	2		1	20	63	B	64	20	1			Classrm nail dryer		300		(1)
			360	Dispensary outl	2		1	20	65	C	66	20	1			Classrm nail dryer			300	
	500			Refrig			1	20	67	A	68	20	1			Classrm nail dryer	300			(1)
		950		Dryer			1	20	69	B	70	20	1			Classrm nail dryer		300		
			1200	Washer			3	20	71	C	72	20	1			Classrm nail dryer			300	(1)
	1200			-			-	-	73	A	74	20	1			Classrm nail dryer	300			
		1200		-			-	-	75	B	76	20	1			Classrm nail dryer		300		(1)
(1)			300	Classrm nail dryer			1	20	77	C	78	20	1			Classrm nail dryer			300	
	300			Classrm nail dryer			1	20	79	A	80	20	1			Classrm nail dryer	300			(1)
(1)		300		Classrm nail dryer			1	20	81	B	82	20	1			Classrm nail dryer		300		
			300	Classrm nail dryer			1	20	83	C	84	20	1			Spare				
	5600	5660	4860	VA/LINE													4500	3900	3600	

ØA= 10100 — ØB= 9560 — ØC= 8460

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 720 x1.00= 720; REMAINDER ____ x0.50= ____; OTHER 27400 x1.00 27400

TOTAL DESIGN kVA= 28 — TOTAL DESIGN AMPS= 78

(1) Provide 2P tie-handle breakers as shown.

PANEL P1NA (2)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
600			Est. Lab stat fl box			1	20	43	A	44	20	1			Sauna women lts	1600		
	600		Est. Lab stat fl box			1	20	45	B	46	20	1			Sauna men's lts		1600	
		600	Est. Lab stat fl box			1	20	47	C	48	20	1			Lockers outlet			1000
600			Est. Lab stat fl box			1	20	49	A	50	20	1			Spare			
	600		Est. Lab stat fl box			1	20	51	B	52	20	1			Spare			
		600	Est. Lab stat fl box			1	20	53	C	54	20	1		2	Conven locker outl			360
600			Est. Lab stat fl box			1	20	55	A	56	20	1			Lockers outlet	1000		
	600		Est. Lab stat fl box			1	20	57	B	58	20	1		3	Disp stor/rr/locker		540	
		600	Est. Lab stat fl box			1	20	59	C	60	20	1			Wiremold Paraf.vats			600
600			Est. Lab stat fl box			1	20	61	A	62	20	1			Wiremold Paraf.vats	600		
	600		Est. Lab stat fl box			1	20	63	B	64	20	1			Wiremold Paraf.vats		600	
		600	Est. Lab stat fl box			1	20	65	C	66	20	1		6	Conv outl Spa Lab			1080
600			Est. Lab stat fl box			1	20	67	A	68	20	1		7	Conv outl Est Lab	1260		
	600		Est. Lab stat fl box			1	20	69	B	70	20	1		7	Outlets @benches		1260	
		600	Est. Lab stat fl box			1	20	71	C	72	20	1			Plazma Tv entry			500
600			Est. Lab stat fl box			1	20	73	A	74	20	1			Spare			
	600		Est. Lab stat fl box			1	20	75	B	76	20	1			Spare			
		600	Est. Lab stat fl box			1	20	77	C	78	20	1			Spare			
600			Est. Lab stat fl box			1	20	79	A	80	20	1			Spare			
	600		Est. Lab stat fl box			1	20	81	B	82	20	1			Spare			
			Spare			1	20	83	C	84	20	1			Spare			
4200	4200	3600	VA/LINE													4460	4000	3540

ØA= 8660 — ØB= 8200 — ØC= 7140

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 4500 x1.00= 4500; REMAINDER ____ x0.50= ____; OTHER 19500 x1.00 19500

TOTAL DESIGN kVA= 24 — TOTAL DESIGN AMPS= 67

PANEL L2N

MOUNTING SURFACE — 22,000 A.I.C. SYM
480/277 VOLTS 3 PHASE 4 WIRE — MAIN 100 A — BUS 100 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
			Spare			1	20	1	A	2	20	1			Lights Hair Lab	3420		
			Spare			1	20	3	B	4	20	1			Lights Hair Lab		3990	
			Spare			1	20	5	C	6	20	1			Lts classrm/office			2940
			Spare			1	20	7	A	8	20	1			Lts hair salon/rec	1728		
			Spare			1	20	9	B	10	20	1			Lts classrm 201		2660	
			Spare			1	20	11	C	12	20	1			Lts corridor/lobby			2300
			Spare			1	20	13	A	14	20	1			Exterior canopy	216		
			Spare			1	20	15	B	16	20	1			Spare			
			Spare			1	20	17	C	18	20	1			Spare			
			Spare			1	20	19	A	20	20	1			Spare			
			Spare			1	20	21	B	22	20	1			Spare			
			Spare			1	20	23	C	24	20	1			Spare			
			Spare			1	20	25	A	26	20	1			Spare			
			Spare			1	20	27	B	28	20	1			Spare			
			Spare			1	20	29	C	30	20	1			Spare			
			Spare			1	20	31	A	32	20	1			Spare			
			Spare			1	20	33	B	34	20	1			Spare			
			Spare			1	20	35	C	36	20	1			Spare			
			Spare			1	20	37	A	38	20	1			Spare			
			Spare			1	20	39	B	40	20	1			Spare			
			Spare			1	20	41	C	42	20	1			Spare			
			VA/LINE													5364	6650	5240

ØA= 5364 — ØB= 6650 — ØC= 5240

CONTINUOUS LOADS: 17254 x1.25= 21568
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA ____ x1.00= ____; REMAINDER ____ x0.50= ____; OTHER ____ x1.00 ____

TOTAL DESIGN kVA= 22 — TOTAL DESIGN AMPS= 26

PANEL P2NC (2)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

	ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC	
	1150			Shampoo chair			1	20	43	A	44	20	1			Shampoo chair	1150			
		1150		Shampoo chair			1	20	45	B	46	20	1			Shampoo chair		1150		
			1150	Shampoo chair			1	20	47	C	48	20	1			Shampoo chair			1150	
	1150			Shampoo chair			1	20	49	A	50	20	1			Shampoo chair	1150			
		1150		Shampoo chair			1	20	51	B	52	20	1			Shampoo chair		1150		
			1150	Shampoo chair			1	20	53	C	54	20	1			Shampoo chair			1150	
	1150			Shampoo chair			1	20	55	A	56	20	1			Shampoo chair	1150			
		1150		Shampoo chair			1	20	57	B	58	20	1			Shampoo chair		1150		
			1150	Shampoo chair			1	20	59	C	60	20	1			Shampoo chair			1150	
	1150			Shampoo chair			1	20	61	A	62	20	1			Classrm nail dryer	300			(1)
		1150		Shampoo chair			1	20	63	B	64	20	1			Classrm nail dryer		300		
			1150	Shampoo chair			1	20	65	C	66	20	1			Classrm nail dryer			300	(1)
				Spare			1	20	67	A	68	20	1			Classrm nail dryer	300			
(1)		300		Classrm nail dryer			1	20	69	B	70	20	1			Classrm nail dryer		300		(1)
			300	Classrm nail dryer			1	20	71	C	72	20	1			Classrm nail dryer			300	
(1)	300			Classrm nail dryer			1	20	73	A	74	20	1			Classrm nail dryer	300			(1)
		300		Classrm nail dryer			1	20	75	B	76	20	1			Classrm nail dryer		300		
(1)			300	Classrm nail dryer			1	20	77	C	78	20	1			Classrm nail dryer			300	(1)
	300			Classrm nail dryer			1	20	79	A	80	20	1			Classrm nail dryer	300			
		1150		Shampoo chair			1	20	81	B	82	20	1			Spare				
			1150	Shampoo chair			1	20	83	C	84	20	1			Spare				
	5200	6350	6350	VA/LINE													4650	4350	4350	

ØA= 9850 — ØB= 10700 — ØC= 10700

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA ____ x1.00= ____; REMAINDER ____ x0.50= ____; OTHER 31250 x1.00 31250

TOTAL DESIGN kVA= 31 — TOTAL DESIGN AMPS= 87

(1) Provide 2P tie-handle breakers as shown.

PANEL P2NB (1)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
900			Hair Lab station			1	20	1	A	2	20	1			Hair dryer	950		
	900		Hair Lab station			1	20	3	B	4	20	1			Hair dryer		950	
		900	Hair Lab station			1	20	5	C	6	20	1			Hair dryer			950
900			Hair Lab station			1	20	7	A	8	20	1			Hair dryer	950		
	900		Hair Lab station			1	20	9	B	10	20	1			Hair dryer		950	
		900	Hair Lab station			1	20	11	C	12	20	1			Hair dryer			950
900			Hair Lab station			1	20	13	A	14	20	1			Hair dryer	950		
	900		Hair Lab station			1	20	15	B	16	20	1			Hair dryer		950	
		900	Hair Lab station			1	20	17	C	18	20	1			Hair dryer Salon			950
900			Hair Lab station			1	20	19	A	20	20	1			Hair Lab station	900		
	900		Hair Lab station			1	20	21	B	22	20	1			Hair Lab station		900	
		900	Hair Lab station			1	20	23	C	24	20	1			Hair Lab station			900
900			Hair Lab station			1	20	25	A	26	20	1			Hair Lab station	900		
	900		Hair Lab station			1	20	27	B	28	20	1			Hair Lab station		900	
		900	Hair Lab station			1	20	29	C	30	20	1			Hair Lab station			900
900			Hair Lab station			1	20	31	A	32	20	1			Hair Lab station	900		
	150		Door holder			1	20	33	B	34	20	1			Hair Lab station		900	
		1750	Wig dryer			1	20	35	C	36	20	1			Hair Lab station			900
			Spare			1	20	37	A	38	20	1			Hair Lab station	900		
			Spare			1	20	39	B	40	20	1			Hair Lab station		900	
			Spare			1	20	41	C	42	20	1			Hair Lab station			900
5400	4650	6250	VA/LINE													6450	6450	6450

ØA= 11850 — ØB= 11100 — ØC= 12700

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 1260 x1.00= 1260; REMAINDER ____ x0.50= ____; OTHER 61800 x1.00 61800

TOTAL DESIGN kVA= 63 — TOTAL DESIGN AMPS= 175

Feeder: 4/0 AWG

PANEL P1NB (1)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
360			Spa Lab comp out	2		1	20	1	A	2	20	1			Spare			
	500		Spa Lab printer			1	20	3	B	4	20	1			Elect. Door operat		250	
		360	Est Lab comp out	2		1	20	5	C	6	20	1		2	Exterior outlets			360
500			Est Lab fl box			1	20	7	A	8	20	1		8	Conven. Outlets	1440		
	500		Teach stat. 102			1	20	9	B	10	20	1		2	Janitor outl		360	
		500	Projector			1	20	11	C	12	20	1	1	1	Elevator pit			280
500			Mtg rm projector			1	20	13	A	14	20	1		1	Elevator mach.rm	180		
	380		Camera & wall plug	1		1	20	15	B	16	20	1			Elevator controller		500	
		500	Lobby recpt. Print			1	20	17	C	18	20	1		1	Electr. room outlet			180
360			Lobby recpt. Outl	2		1	20	19	A	20	20	1			Spare			
	500		LCD screen			1	20	21	B	22	20	1			Fl outl spa bed & sink		900	
		720	Lobby reception	4		1	20	23	C	24	20	1			Spare			
1260			Meeting/Office rec	7		1	20	25	A	26	20	1		3	Mech rm outlet	540		
	1080		Faculty office	6		1	20	27	B	28	20	1			Mech rm boilers HW-1		150	
		720	Faculty office	4		1	20	29	C	30	20	1			Rec. pump mech rm			150
360			Janitor outl	2		1	20	31	A	32	20	1			Est lab printer rm 120	500		
	150		Recept desk LED lt			1	20	33	B	34	20	1			Spare			
		624	FC-1			2	20	35	C	36	20	1			Spare			
624						-	-	37	A	38	20	1			Spare			
			Spare			1	20	39	B	40	20	1			Spare			
			Spare			1	20	41	C	42	20	1			Spare			
3964	3110	3424	VA/LINE													2660	2160	970

ØA= 6624 — ØB= 5270 — ØC= 4394

CONTINUOUS LOADS: 500 x1.25= 625
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 8640 x1.00= 8640; REMAINDER ____ x0.50= ____; OTHER 30648 x1.00 30648

TOTAL DESIGN kVA= 40 — TOTAL DESIGN AMPS= 111

Feeder: 4/0 AWG

PANEL P2NB (2)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC	
900			Hair Lab station			1	20	43	A	44	20	1			Salon hair station	900			
	900		Hair Lab station			1	20	45	B	46	20	1			Salon hair station		900		
		900	Hair Lab station			1	20	47	C	48	20	1			Salon hair station			900	
900			Hair Lab station			1	20	49	A	50	20	1			Salon hair station	900			
	900		Hair Lab station			1	20	51	B	52	20	1		2	Hair lab sink outl		360		
		900	Hair Lab station			1	20	53	C	54	20	1		4	Restrooms outlets			720	
900			Hair Lab station			1	20	55	A	56	20	1		1	Electr room outlet	180			
	900		Hair Lab station			1	20	57	B	58	20	1			Salon chair		1150		
		900	Hair Lab station			1	20	59	C	60	20	1			Spare				
900			Hair Lab station			1	20	61	A	62	20	1			Mecho shades salon	800			
	900		Hair Lab station			1	20	63	B	64	20	1			Mecho shades hair la		800		
		900	Hair Lab station			1	20	65	C	66	20	1			Spare at gutter				
900			Hair Lab station			1	20	67	A	68	20	1			Classrm hair dryer	900			(1)
	900		Hair Lab station			1	20	69	B	70	20	1			Classrm hair dryer		900		
		900	Hair Lab station			1	20	71	C	72	20	1			Classrm hair dryer			900	(1)
900			Hair Lab station			1	20	73	A	74	20	1			Classrm hair dryer	900			
			Spare			1	20	75	B	76	20	1			Classrm hair dryer		900		(1)
			Spare			1	20	77	C	78	20	1			Classrm hair dryer			900	
			Spare			1	20	79	A	80	20	1			Spare				
			Spare			1	20	81	B	82	20	1			Spare				
			Spare			1	20	83	C	84	20	1			Spare				
5400	4500	4500	VA/LINE													4580	5010	3420	

ØA= 9980 — ØB= 9510 — ØC= 7920

CONTINUOUS LOADS: ____ x1.25= ____
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA 1260 x1.00= 1260; REMAINDER ____ x0.50= ____; OTHER 26150 x1.00 26150

TOTAL DESIGN kVA= 27 — TOTAL DESIGN AMPS= 76

(1) Provide 2P tie-handle breakers as shown.

PANEL P1NB (2)

MOUNTING SURFACE — 10,000 A.I.C. SYM
208/120 VOLTS 3 PHASE 4 WIRE — MAIN LO — BUS 225 A

ØA	ØB	ØC	DESCRIPTION	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	DESCRIPTION	ØA	ØB	ØC
3800			en's Sauna rm heater			3	40	43	A	44	40	3			Wm Sauna rm heate	3800		
	3800		-			-	-	45	B	46	-	-			-		3800	
		3800	-			-	-	47	C	48	-	-			-			3800
			Spare			1	20	49	A	50	20	1			Spare			
			Spare			1	20	51	B	52	20	1			Spare			
			Spare			1	20	53	C	54	20	1			Spare			
			Spare			1	20	55	A	56	20	1			Spare			
			Spare			1	20	57	B	58	20	1			Spare			
			Spare			1	20	59	C	60	20	1			Spare			
			Spare			1	20	61	A	62	20	1			Spare			
			Spare			1	20	63	B	64	20	1			Spare			
			Spare			1	20	65	C	66	20	1			Spare			
			Spare			1	20	67	A	68	20	1			Spare			
			Spare			1	20	69	B	70	20	1			Spare			
			Spare			1	20	71	C	72	20	1			Spare			
			Spare			1	20	73	A	74	20	1			Spare			
			Spare			1	20	75	B	76	20	1			Spare			
			Spare			1	20	77	C	78	20	1			Lights seat pad			250
			Spare			1	20	79	A	80	20	1			Spare			
			Spare			1	20	81	B	82	20	1			Spare			
		250	LCP North			1	20	83	C	84	20	1			Vision pnl main e rm			200
3800	3800	4050	VA/LINE													3800	3800	4250

ØA= 7600 — ØB= 7600 — ØC= 8300

CONTINUOUS LOADS: 250 x1.25= 313
NON-CONTINUOUS LOADS: RECEPTACLES UP TO 10 kVA ____ x1.00= ____; REMAINDER ____ x0.50= ____; OTHER 23250 x1.00 23250

TOTAL DESIGN kVA= 24 — TOTAL DESIGN AMPS= 65

DISTRIBUTION BOARD "DPM1"

Load	Cont	Rec	Other (kVA)	Total (kVA)	A
AHU-2/SA			11.6	14.5	18
AHU-2/RA			6.3	7.9	10
AHU-3			17.5	21.8	26
EF-2			2.8	3.5	4
EF-3			4.0	5.0	6
EF-4			4.0	5.0	6
EF-6			1.3	1.7	2
CU-1			9.6	9.6	12
SubTotal			57.2	57.2 kVA	
25% of Largest Motor				4.4 kVA	
Total				61.5 kVA	
			74.0 Amps at 480 V		

DISTRIBUTION BOARD "LDP1N"

Load	Cont	Rec	Other (kVA)	Total (kVA)	A
PANEL P1NA (1)		7.0	44.0	51.0	142
PANEL P1NB (1)	.5	8.6	30.6	39.9	111
PANEL P2NA (1)		3.6	58.4	62.0	172
PANEL P2NB (1)		1.3	61.8	63.1	175
PANEL P2NC (1)		8.8	45.1	53.9	150
SubTotal	.5	29.3	239.9	260.2 kVA	
25% of Largest Motor				kVA	
Total				260.2 kVA	
			722.2 Amps at 208 V		

LCP–1N	P2NA(a)	P1NA(a)	L1N
P2NC(a)	P2NA(b)	P1NA(b)	L2N
P2NC(b)	P2NB(a)	P1NB(a)	DPM1
	P2NB(b)	P1NB(b)	LDP1N

All drawings and written material appearing herein constitute original and unpublished work of the Architect/Engineer and may not be duplicated, used or disclosed without consent of Architect/Engineer.

If this drawing is not 30"x42", then the drawing has been revised from its original size. Noted scales must be adjusted. This line should be equal to one inch

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NO.	ISSUES/REVISIONS	DATE
	100% SCHEMATIC DESIGN	04/28/08
	50% DESIGN DEVELOPMENT SUBMITTAL	06/13/08
	100% DESIGN DEVELOPMENT SUBMITTAL	07/28/08
	DSA INCREMENT #2: 80% REVIEW	10/10/08
	DSA INCREMENT #2: STRUCTURE & GFRC PANELS	11/11/08
	DSA INCREMENT #3 50% REVIEW	11/11/08
	INTERNAL 90% REVIEW INCREMENT 3	12/23/08
	DSA INCREMENT #3: TENANT IMPROVEMENT AND ROOFING SYSTEM	02/09/09
	DSA INCREMENT #3: HPCC REVIEW	04/30/09
	DSA INCREMENT #3: BACKCHECK	05/12/09
	ISSUED TO FIELD	08/12/09
	RECORD DRAWINGS	12/27/10
	RFP B4-046	01/25/11
	RECORD DRAWINGS REV 1	04/19/11
	RECORD DRAWINGS REV 2	06/15/11
	RECORD DRAWINGS REV 3	06/22/11

DIVISION OF THE STATE ARCHITECT
APPL # 01-110117
FILE # 41-C1
AC ____ FLS ____
SSS ____ DATE ____
IDENTIFICATION STAMP

Increment 3

SKYLINE COLLEGE
SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT

CIP2 DESIGN-BUILD PROJECT
BUILDING 4
INCREMENT 3

PROJECT NO.: SF10570.00 — DRAWN BY: IB
DATE: 04/28/08 — CHECKED BY: AJS
SCALE: NONE

SHEET TITLE:
PANEL SCHEDULE

SHEET NO:
E-103