

NOTE:
1. PROVIDE (3) 225A/3P AND (2) 400A/3P SPACE TO SWBD "MSB1."
PROVIDE ADDITIONAL (2) 225A/3P TO SWBD "MSB1."

ADD ALTERNATE #1
SINGLE LINE RISER DIAGRAM
NOT TO SCALE

NIC

VOLTAGE: 208/120
PHASE: 3
WIRE: 4

60A, 3P :MAIN C/B
100A :BUSSING
SURFACE :MOUNTING

LOAD	A	B	C	BKR	ckt	abc	ckt	BKR	A	B	C	LOAD
PARTITION REC	0.6			20A-1P	1		2	20A-1P	0.6			PARTITION REC
PARTITION REC		0.6		20A-1P	3		4	20A-1P		0.6		PARTITION REC
PARTITION REC			0.6	20A-1P	5		6	20A-1P			0.6	PARTITION REC
PARTITION REC				20A-1P	7		8	20A-1P				SPARE
				20A-1P	9		10	20A-1P				SPARE
	0.6	0.6	0.0		11		12		0.6	0.6	0.0	

KVA PHASE A:1.2
KVA PHASE B:1.2
KVA PHASE C:0.0
TOTAL KVA:2.4

1.00 :DEMAND FACTOR
2.4 :DEMAND KVA
6.7 :TOTAL LOAD AMPERES

VOLTAGE: 208/120
PHASE: 3
WIRE: 4

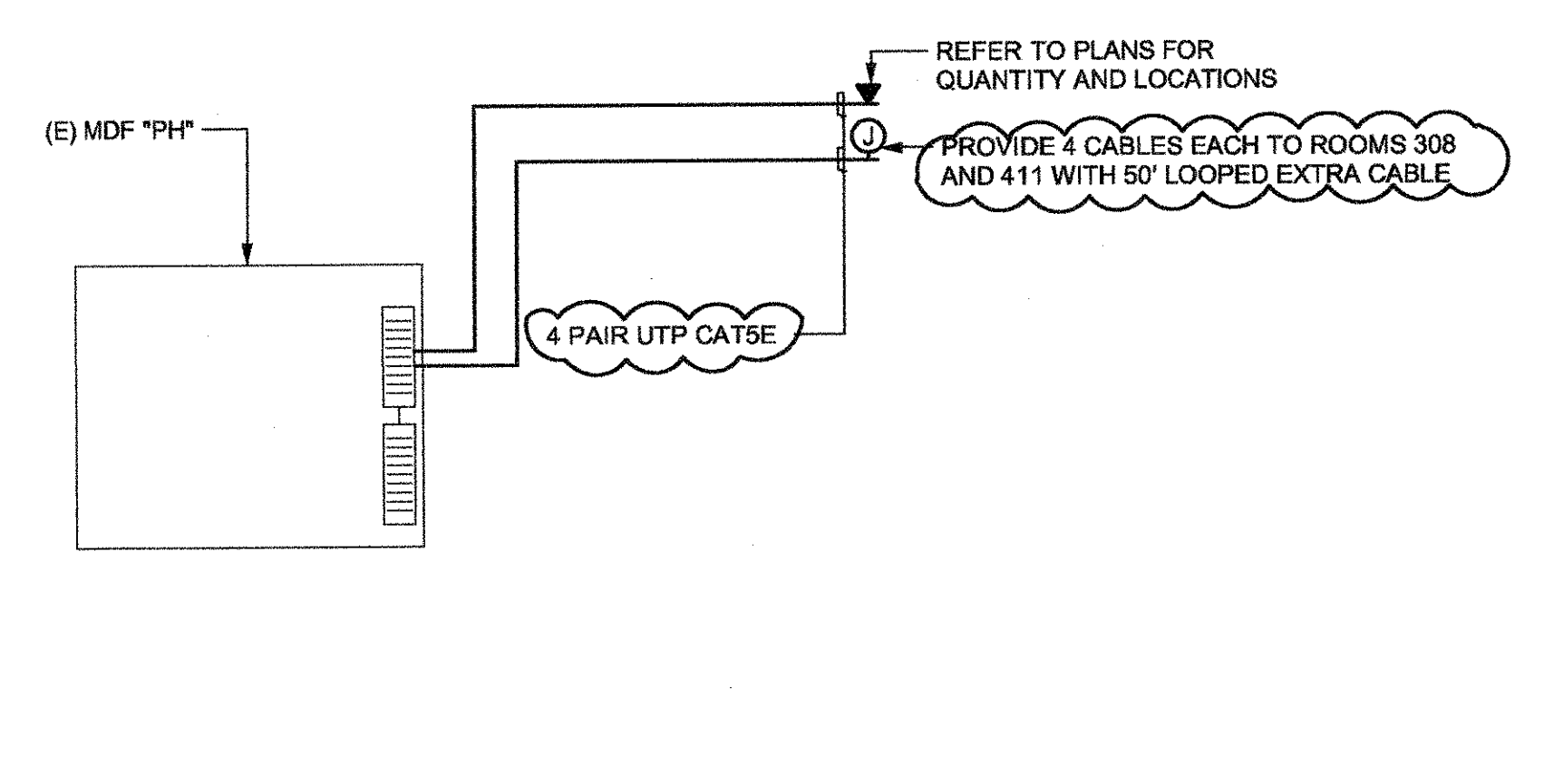
100A, 3P :MAIN C/B
100A :BUSSING
SURFACE :MOUNTING

(E) PANELBOARD "A1"

LOAD	A	B	C	BKR	ckt	abc	ckt	BKR	A	B	C	LOAD
(E) LOAD with main 306	0.8			20A-1P	1		2	20A-1P	0.8			(E) LOAD with main 306
(E) LOAD with main 306		0.8		20A-1P	3		4	20A-1P		0.8		(E) LOAD with main 306
(E) LOAD with main 306			0.8	20A-1P	5		6	20A-1P			0.8	(E) LOAD with main 306
(E) LOAD with main 306				20A-1P	7		8	20A-1P				(E) LOAD with main 306
(E) LOAD with main 306				20A-1P	9		10	20A-1P				(E) LOAD with main 306
(E) LOAD with main 306				20A-1P	11		12	20A-1P				(E) LOAD with main 306
(E) LOAD with main 306				20A-1P	13		14	20A-1P				(E) LOAD with main 306
(E) LOAD with main 306				20A-1P	15		16	20A-1P				(E) LOAD with main 306
(E) LOAD with main 306				20A-1P	17		18	20A-1P				(E) LOAD with main 306
SPA REC	1.9			20A-1P	19		20	20A-1P	1.9			PARTITION REC
SPA REC		1.9		20A-1P	21		22	20A-1P		1.9		PARTITION REC
SPA REC			1.9	20A-1P	23		24	20A-1P			1.9	PARTITION REC
	3.5	3.5	4.6						3.3	3.3	4.4	

KVA PHASE A:6.8
KVA PHASE B:6.8
KVA PHASE C:9.0
TOTAL KVA:22.6

0.80 :DEMAND FACTOR
18.1 :DEMAND KVA
50.2 :TOTAL LOAD AMPERES



4 TELEPHONE RISER DIAGRAM
NOT TO SCALE

VOLTAGE: 208/120
PHASE: 3
WIRE: 4

225A, 3P :MAIN C/B
225A :BUSSING
SURFACE :MOUNTING

PANELBOARD "MP"

LOAD	A	B	C	BKR	ckt	abc	ckt	BKR	A	B	C	LOAD
HAIR DRYER STATION	1.9			20A-1P	1		2	20A-1P	1.9			HAIR DRYER STATION
HAIR DRYER STATION		1.9		20A-1P	3		4	20A-1P		1.9		HAIR DRYER STATION
HAIR DRYER STATION			1.9	20A-1P	5		6	20A-1P			1.9	HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	7		8	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	9		10	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	11		12	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	13		14	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	15		16	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	17		18	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	19		20	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	21		22	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	23		24	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	25		26	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	27		28	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	29		30	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	31		32	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	33		34	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	35		36	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	37		38	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	39		40	20A-1P				HAIR DRYER STATION
HAIR DRYER STATION				20A-1P	41		42	20A-1P				HAIR DRYER STATION
	10.1	10.3	12.2						9.9	11.0	11.2	

KVA PHASE A:20.0
KVA PHASE B:21.3
KVA PHASE C:23.4
TOTAL CKTS 1-42 KVA:64.7

VOLTAGE: 208/120
PHASE: 3
WIRE: 4

MLO :MAIN C/B
225A :BUSSING
SURFACE :MOUNTING

PANELBOARD "MP"

LOAD	A	B	C	BKR	ckt	abc	ckt	BKR	A	B	C	LOAD
LAB STATION	1.9			20A-1P	43		44	20A-1P	0.0			LAB STATION
LAB STATION		0.0		20A-1P	45		46	20A-1P		0.0		LAB STATION
LAB STATION			0.0	20A-1P	47		48	20A-1P			0.0	LAB STATION
LAB STATION				20A-1P	49		50	20A-1P				LAB STATION
LAB STATION				20A-1P	51		52	20A-1P				LAB STATION
LAB STATION				20A-1P	53		54	20A-1P				LAB STATION
LAB STATION				20A-1P	55		56	20A-1P				LAB STATION
LAB STATION				20A-1P	57		58	20A-1P				LAB STATION
LAB STATION				20A-1P	59		60	20A-1P				LAB STATION
LAB STATION				20A-1P	61		62	20A-1P				LAB STATION
LAB STATION				20A-1P	63		64	20A-1P				LAB STATION
LAB STATION				20A-1P	65		66	20A-1P				LAB STATION
LAB STATION				20A-1P	67		68	20A-1P				LAB STATION
LAB STATION				20A-1P	69		70	20A-1P				LAB STATION
LAB STATION				20A-1P	71		72	20A-1P				LAB STATION
LAB STATION				20A-1P	73		74	20A-1P				LAB STATION
LAB STATION				20A-1P	75		76	20A-1P				LAB STATION
LAB STATION				20A-1P	77		78	20A-1P				LAB STATION
LAB STATION				20A-1P	79		80	20A-1P				LAB STATION
LAB STATION				20A-1P	81		82	20A-1P				LAB STATION
LAB STATION				20A-1P	83		84	20A-1P				LAB STATION
	1.9	0.0	0.0						0.0	0.0	0.0	

KVA PHASE A:1.9
KVA PHASE B:0.0
KVA PHASE C:0.0
TOTAL CKTS 43-84 KVA:1.9

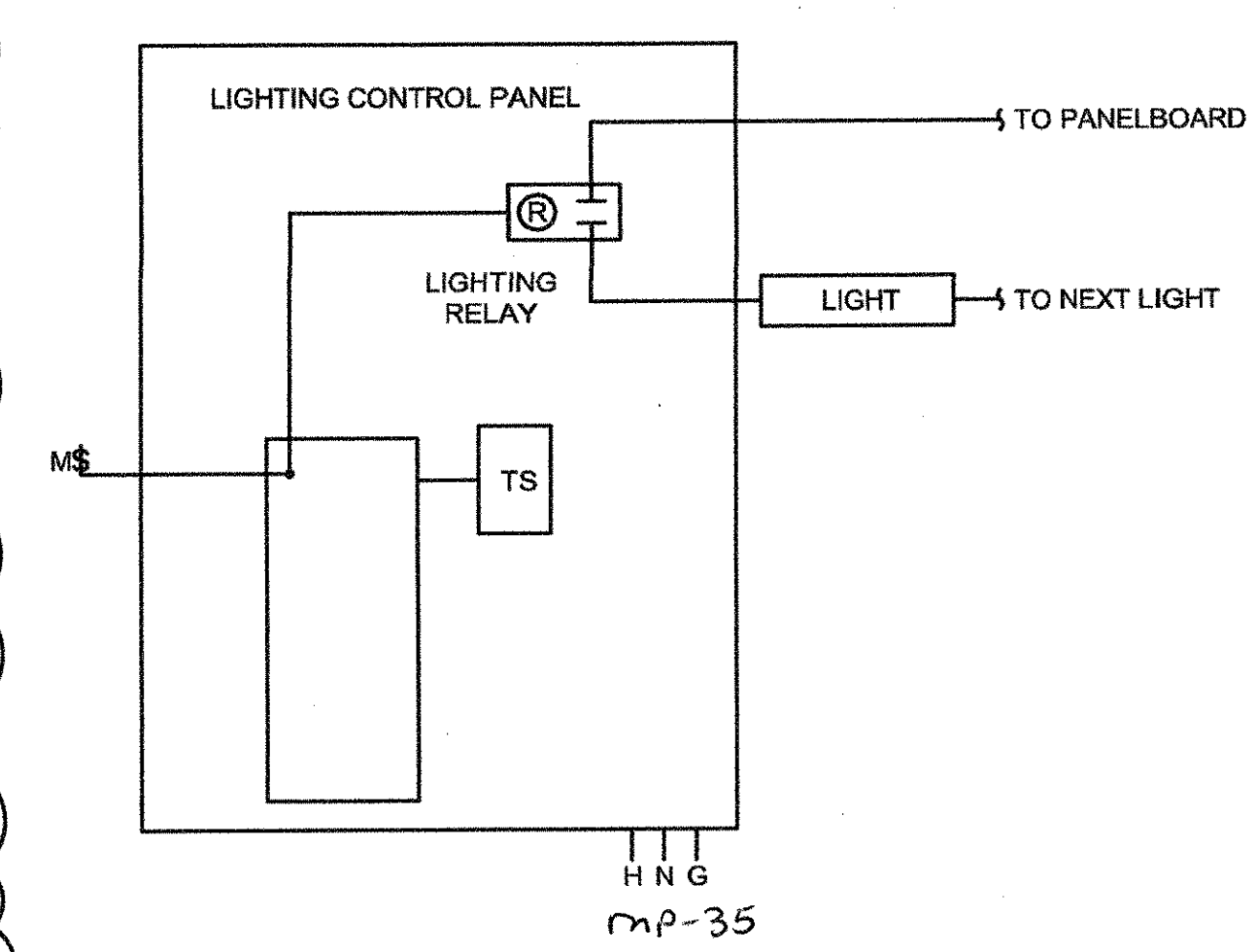
1.00 :DEMAND FACTOR
66.6 :DEMAND KVA
185.1 :TOTAL LOAD AMPERES

PANELBOARD B-1

1 REC. 306	2 REC. 305
3 REC. 306	4 REC. 305
5 REC. 306	6 REC. 305
7 REC. 301	8 SPARE
9 REC. 301	10 SPARE
11 REC. SPARE	12 SPARE
13 SPARE	14 SPARE
15 SPARE	16 WH-2 2PH
17 SPARE	18 " "

3P 60amp MAIN

2 LIGHTING CONTROL - DIAGRAM
NOT TO SCALE



LP8 LIGHTING CONTROL PANEL RELAY SCHEDULE

Note: Check those relays which are controlled by each automation channel under that channel letter below. (Each relay can only be associated with one channel.)

RELAY NUMBER	SUPPLY	LOAD DESCRIPTION	CHANNEL													
			A	B	C	D	E	F	G	H						
1	MP-41a	COSMOTOLOGY (RM 123)														
2	MP-41b	COSMOTOLOGY (RM 123)	X													
3	MP-40c	LUMINOUS CEILING (RM 123)														
4	MP-42d	LUMINOUS CEILING (RM 123)														
5	MP-39	SPARE														
6	MP-45	SPARE														
7	SPARE															
8	SPARE															

LP8 LIGHTING CONTROL PANEL CHANNEL SCHEDULE

CHANNEL	DESCRIPTION OF GROUP	AUTOMATION SCENARIO	DATA
A	COSMOTOLOGY	<input checked="" type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	Mon-Fri 7am-7pm Sat-Sun 8am-5pm Blink warn 120 min override
B		<input type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	
C		<input type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	
D		<input type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	
E		<input type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	
F		<input type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	
G		<input type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	
H		<input type="checkbox"/> SCHEDULED ON/OFF <input type="checkbox"/> MANUAL ON/SCHEDULED OFF <input type="checkbox"/> MANUAL ON/SWEEP AUTO SW <input type="checkbox"/> ASTRO (DARK) ON/OFF <input type="checkbox"/> ASTRO (DARK) ON/SCHEDULED OFF	

4 TELEPHONE RISER DIAGRAM
NOT TO SCALE

5 DATA RISER DIAGRAM
NOT TO SCALE

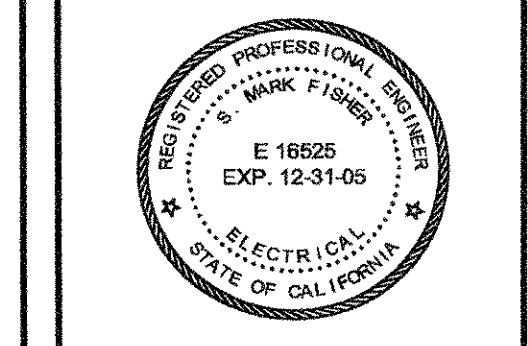
6 SINGLE LINE RISER DIAGRAM
NOT TO SCALE

FILE LOCATION: P:\2163\002\Permit Pkg 3\CAD\Archives\SKYLINE PKG3\CONFORM SET\elec\03054E90.dwg
LAST SAVED ON: 9/10/04 at 4:16pm, PLOTTED ON: 9/13/04 at 2:11pm

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DSA SUBMITTAL - 02.13.04

DIAGRAMS AND SCHEDULES
SKYLINE COLLEGE SWING SPACE
PERMIT PACKAGE #3
SKYLINE COLLEGE
3300 COLLEGE DRIVE
SAN BRUNO, CA 94066

REVISIONS

NO.	ITEM	DATE
1	CONSTRUCTION ISSUE	6/10/04
2	As-Built	3/10/05

CLIENT APPROVAL:
DRAWN BY: RCS
CHECKED BY: SMF
JOB NO: 2163.002
DATE: 5 FEB. 2004

E5.0
OF 58 SHEETS