RFP-54

Panel 'BL3'	120/208V, 3 Ph., 4 W., 100A Bus with 100A Main Circuit Breaker	2007-0731-14
	Surface Mounted, Lighting & Appliance Branch Panelboard	1st AC

CKT No.	Description / Location	Load (VA)	C.B. Type	A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	CKT No.
1	EXIST. 1200A PANEL	1,440	W/O	A				20/1			SPARE	2
3		1,540	W/O	B				20/1			SPARE	4
5		1,540	W/O	C				20/1			SPARE	6
7	SPARE		20/1	A				20/1			SPARE	8
9	SPARE		20/1	B				20/1			SPARE	10
11	SPARE		20/1	C				20/1			SPARE	12
13	SPARE		20/1	A				20/1			SPARE	14
15	SPARE		20/1	B				20/1			SPARE	16
17	SPARE		20/1	C				20/1			SPARE	18
19	SPACE			A							SPACE	20
21	SPACE			B							SPACE	22
23	SPACE			C							SPACE	24
25	SPACE			A							SPACE	26
27	SPACE			B							SPACE	28
29	SPACE			C							SPACE	30
31	SPACE			A							SPACE	32
33	SPACE			B							SPACE	34
35	SPACE			C							SPACE	36
Total Connected Load Ph. A		1,440 VA		12 Amps		Panel Connected Load			5.0 KVA		23.9 Amps	
Total Connected Load Ph. B		1,540 VA		13 Amps		Sub-Feed Connected Load			0.0 KVA		0.0 Amps	
Total Connected Load Ph. C		1,540 VA		13 Amps		Total Demand Load			15.1 KVA		25.1 Amps	

LINE TYPE LEGEND	
	NEW
	EXISTING TO REMAIN

FILE NO. 43-C1
APPL.NO. 01-110074

SHEET KEYNOTES

1. PROVIDE NEW GROUT BREAKER IN EXISTING SPACE. GROUT BREAKER TO MATCH EXISTING IN MANUFACTURER AND RATING.
2. MOUNT TRANSFORMER ABOVE EXISTING TRANSFORMER 'EDX', LOCATED AT BUILDING 5, RM B114.

FEEDER SCHEDULE

653	3 #1, 1 #10 GND., IN 1" C.
1004	4 #3, 1 #8 GND., IN 1-1/2" C.

NOTES:

1. ALL FASTENERS TO BE NUT AND JAM NUT TYPE.
2. ALL RODS TO BE 3/8" STEEL GRADE #5.
3. FASTEN UNISTRUT CHANNEL TO CONCRETE DECK USING 1/2" ø x 3" SWEES WS-72 (TYPICAL)

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Title: PARTIAL ROOF PLAN - ELECTRICAL
Project Name: CANADA COLLEGE – BUILDINGS 5 & 6 RENOVATIONS
4200 FARM HILL BOULEVARD
REDWOOD CITY, CA 94061
FILE NO. 43-C1 APPL. 01-110074

Date Signed: 5/5/5

PROJECT 2007-0731
CONTACT Valeria Torres
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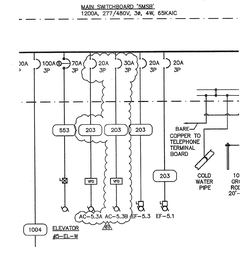
Revision: RT #1
Sheet referenced E3.1/ELI

Date 04/21/10
Scale: 1/4"=1'
Drawing Number ESK- 34
Project Number 07013

RFP-7

FILE NO. 43-C1
APPL.NO. 01-110074

MAIN SWITCHBOARD 'SMSB'
1200A, 277/480V, 3Ø, 4W, 65KAIC



PANEL 'SRDA'
SECTION 01

120/208V, 3 Ph., 4 W. Surface Mounted, Lighting & Appliance Branch Panelboard
225A Bus with MLO
2007-0731 CANADA BLDG 5/6

CKT No.	Description / Location	Load (VA)	C.B. Type	A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	CKT No.
45	EXIST. 1200A PANEL	900	2	20/1		A		20/1	360	R	R-25-320	46
47	ROOF	900	2	20/1		B		20/1	180	R	R-25-321	48
49	EQC	500	2	20/1		C		20/1	360	R	R-25-322	50
51	R - ROOF	360	R	20/1		A		20/1	180	R	R-25-323	52
53	R - ROOF	360	R	20/1		B		20/1	500	R	EQC	54
55	R - ROOF	540	R	20/1		C		20/1	1,500	R	EQC	56
57	SPARE			20/1		A		20/1			SPARE	58
59	SPARE			20/1		B		20/1			SPARE	60
61	SPARE			20/1		C		20/1			SPARE	62
63	SPARE			20/1		A		20/1			SPARE	64
65	SPARE			20/1		B		20/1			SPARE	66
67	SPARE			20/1		C		20/1			SPARE	68
69	SPACE					A					SPACE	70
71	SPACE					B					SPACE	72
73	SPACE					C					SPACE	74
75	SPACE					A					SPACE	76
77	SPACE					B					SPACE	78
79	SPACE					C					SPACE	80
81	SPACE					A					SPACE	82
83	SPACE					B					SPACE	84
						C					SPACE	

Total Connected Load Ph. A	1,440 VA	12 Amps	Panel Connected Load	29.4 KVA	140.8 Amps
Total Connected Load Ph. B	1,340 VA	13 Amps	Sub-Fed Connected Load	0.0KVA	0.0 Amps
Total Connected Load Ph. C	1,800 VA	14 Amps	Total Demand Load	23.4 KVA	110.2 Amps

Notes:
1. PROVIDE FEED-THRU LUGS
AIC RATING: 10KAIC

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Title: PARTIAL SINGLE LINE DIAGRAM AND PANEL SCHEDULE
Project Name: CANADA COLLEGE – BUILDINGS 5 & 6 RENOVATIONS
4200 FARM HILL BOULEVARD
REDWOOD CITY, CA 94061
FILE NO. 43-C1 APPL. 01-110074

Date Signed: 4/23/AP

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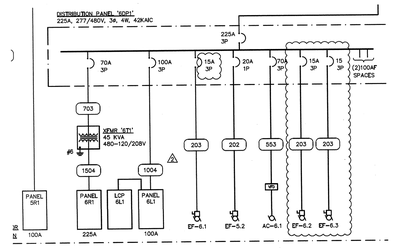
Revision: RT #1
Sheet referenced E3.1/ELI

Date 04/21/10
Scale: 1/4"=1'
Drawing Number ESK- 02
Project Number 07013

REF7

FILE NO. 43-C1
APPL.NO. 01-110074

DISTRIBUTION PANEL 'SDBT'
225A, 277/480V, 3Ø, 4W, 42KAIC



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Title: PARTIAL SINGLE LINE DIAGRAM
Project Name: CANADA COLLEGE – BUILDINGS 5 & 6 RENOVATIONS
4200 FARM HILL BOULEVARD
REDWOOD CITY, CA 94061
FILE NO. 43-C1 APPL. 01-110074

Date Signed: 5/5/AP

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Revision: RT #2
Sheet referenced E3.1/ELI

Date 12/7/10
Scale: AS SHAZ
Drawing Number ESK- 05
Project Number 07013