VOLTS: 120/208V, 3Ø, 4W
MAIN: 200A/3P
INT. CAP.: 10,000 A

PANEL 2BERA

LOCATION: 2ND FLOOR CORRIDOR 200Q-S

FEEDER: SEE 1-LINE DIAG.
BUSSING: 225A
MOUNTED: RECESS

SERVICE	LOAD (KVA) LTG	REC	MTR	MISC	CB	CKT	S/N	CKT	CB	LOAD (KVA) LTG	REC	MTR	MISC	SERVICE
(E)TISSUE CULTURE-REFRIG&INC		1.60			20/1	1		2	20/1		1.20			(E) BME LAB #3 209-REFRIG
(E) TISSUE CULTURE-CO2 INC		1.60			20/1	3		4	20/1		0.80			(E) BME LAB #3 209-FREEZER
TISSUE CULTURE - BSC		**0.18**			20/1	5		6	20/1		1.20			(E) BME LAB #3 209-REFRIG
(E) AUTOMATION ROOM 206		0.80			20/1	7		8	20/1		0.80			(E) BME LAB #2 205-FREEZER
(E) AUTOMATION ROOM 206		0.80			20/1	9		10	20/1		1.20			(E) BME LAB #2 205-REFRIG
(E) BME LAB#2 INST/EQUIP RM.205A		0.80			20/1	11		12	20/1		0.80			(E) BME LAB #2 205-FREEZER
(E) BME LAB#2 INST/EQUIP RM.201A		0.80			20/1	13		14	20/1		1.20			(E) BME LAB #1 201-REFRIG
(E) GLASSWASH-REFRIG		1.20			20/1	15		16	20/1		0.80			(E) BME LAB #1 201-FREEZER
(E) GLASSWASH-FREEZER		0.80			20/1	17		18	20/1		1.20			(E) BME LAB #1 201-REFRIG
(E) GLASSWASH-INCUBATOR		0.80			20/1	19		20	20/1		0.80			(E) GLASSWASH-FREEZER
(E) HMI ROOM 213		0.80			20/1	21		22	20/1		0.80			(E) GLASSWASH-FREEZER
(E) LAB ROOM 252		0.80			20/1	23		24	20/1		0.36			(E) GLASSWASH
(E) TCOM ROOM 250		0.80			20/1	25		26	20/1				0.20	(E) OXYGEN DEPLETION CONTROL
(E) COLD ROOM			2.00			27		28	**20/2**					**TISSUE CULTURE ROOM**
			2.00	30/3		29		30						
			2.00			31		32	20/1					SPARE
SPARE					20/1	33		34	20/1				0.30	(E) NETWORK CONTROL-PENTHOUSE
SPARE					20/1	35		36	20/1		1.50			(E) B14 FREEZER
SPARE					20/1	37		38	20/1		1.50			(E) RM 218 FREEZER
TISSUE CULTURE ROOM					**20/2**	39		40	20/2		1.30			(E) RM 218 -80#
						41		42			1.30			
TOTAL		**11.78**		6.00							**16.76**		0.50	TOTAL

FIRST 10 KVA REC.
LOAD @ 100% = 10.00 KVA
REMAINDER OF REC.
LOAD @ 50% DEMAND = **9.27** KVA
LIGHTING LOAD @ 125% = ____ KVA

LARGEST MOTOR LOAD = ____ KVA
LARGEST MOTOR @ 25% = ____ KVA
OTHER LOAD @ 100% = 6.50 KVA
CALCULATED DEMAND = **6.50** KVA = **18.04** AMPS
SPARE @ 25% = **1.63** KVA
TOTAL = **8.13** KVA = **22.55** AMPS

ØA : 12.50 KVA
ØB : **11.50** KVA
ØC : **10.94** KVA

GROUND BUS [X]

VOLTS: 120/208V, 3Ø, 4W
MAIN: 100A/3P
INT. CAP.: 22,000 A

PANEL 2BRE

LOCATION: 2ND FLOOR CORRIDOR 200Q-S

FEEDER: SEE 1-LINE DIAG.
BUSSING: 100A
MOUNTED: RECESS

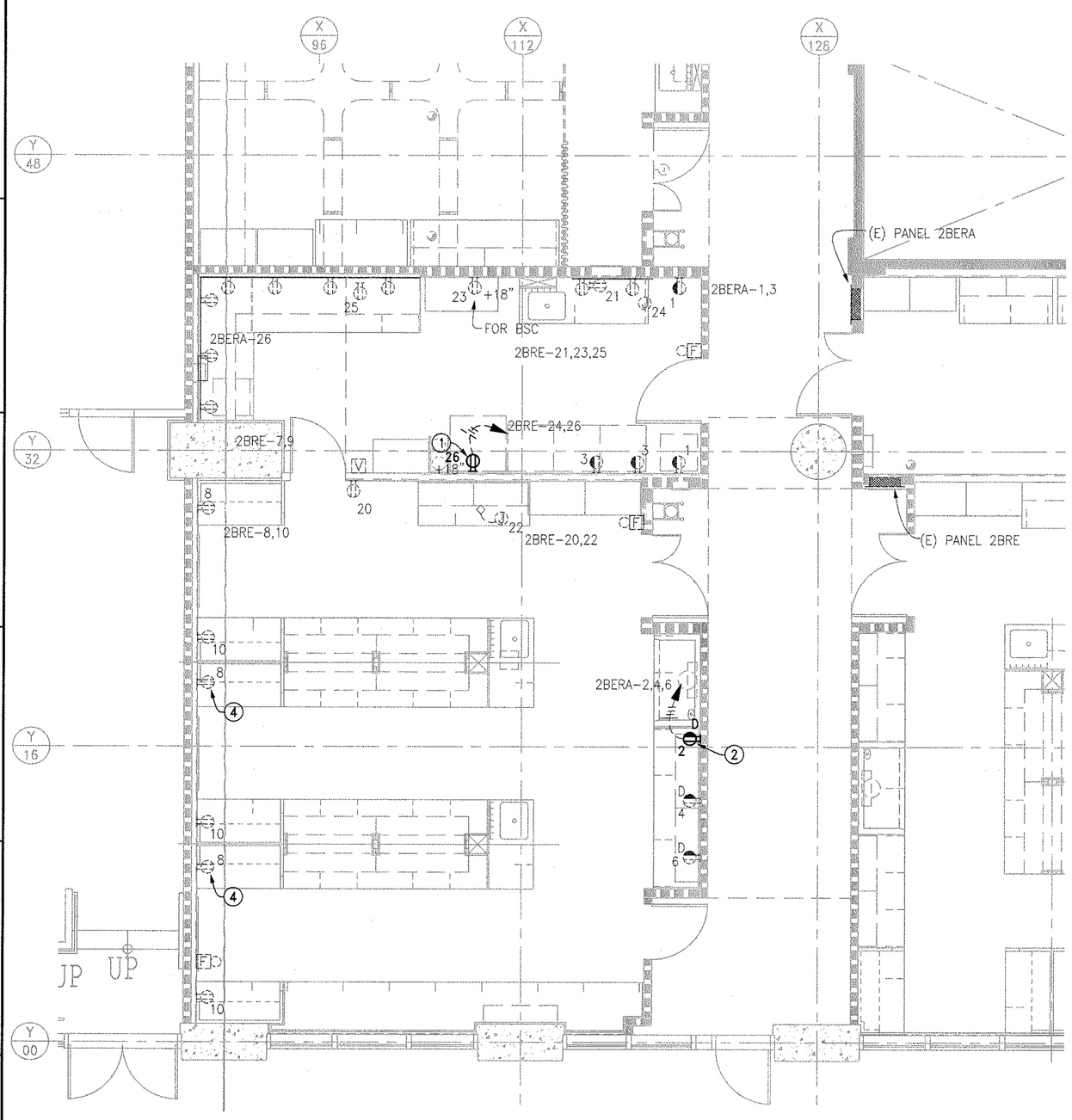
SERVICE	LOAD (KVA) LTG	REC	MTR	MISC	CB	CKT	S/N	CKT	CB	LOAD (KVA) LTG	REC	MTR	MISC	SERVICE
SPARE					20/1	1		2	20/1					SPARE
SPARE					20/1	3		4	20/1					SPARE
SPARE					20/1	5		6	20/1					SPARE
(E) WIREMOLD		0.72			20/1	7		8	20/1		0.54			(E) RECEPTACLE
(E) WIREMOLD		0.72			20/1	9		10	20/1		0.54			(E) RECEPTACLE
SPARE					20/1	11		12	20/1					SPARE
SPARE					20/1	13		14	20/1					SPARE
SPARE					20/1	15		16	20/1					SPARE
SPARE					20/1	17		18	20/1					SPARE
SPARE					20/1	19		20	20/1		0.36			(E) MILLI-Q, WAP PANEL
(E) TISSUE CULTURE ROOM 210		0.50			20/1	21		22	20/1				0.50	(E) FUMEHOOD
(E) FUN BSC		0.50			20/1	23		24	20/1		0.36			(E) TISSUE CULTURE-WIREMOLD
(E) BME LAB#3 INST/EQUIP RM.209A		0.50			20/1	25		26	20/1		**0.72**			**BME LAB#3 WIREMOLD**
(E) CONTROLL POWER TRANSFORMER				0.20	20/1	27		28	20/1		0.50			(E) CABLETRAY RECEPTACLE
(E) TRAP PRIMER				0.60	20/1	29		30	20/1		0.50			(E) CABLETRAY RECEPTACLE
(E) CABLETRAY LASER		6.60				31		32	20/1		0.50			(E) CABLETRAY RECEPTACLE
		6.60			70/3	33		34	20/1		0.50			(E) CABLETRAY RECEPTACLE
		6.60				35		36	20/1					SPARE
SPACE						37		38						SPACE
SPACE						39		40						SPACE
SPACE						41		42						SPACE
TOTAL		22.74		0.80							**4.52**		0.50	TOTAL

FIRST 10 KVA REC.
LOAD @ 100% = 10.00 KVA
REMAINDER OF REC.
LOAD @ 50% DEMAND = **8.63** KVA
LIGHTING LOAD @ 125% = ____ KVA

LARGEST MOTOR LOAD = ____ KVA
LARGEST MOTOR @ 25% = ____ KVA
OTHER LOAD @ 100% = 1.30 KVA
CALCULATED DEMAND = **1.30** KVA = **3.61** AMPS
SPARE @ 25% = **0.33** KVA
TOTAL = **1.63** KVA = **4.51** AMPS

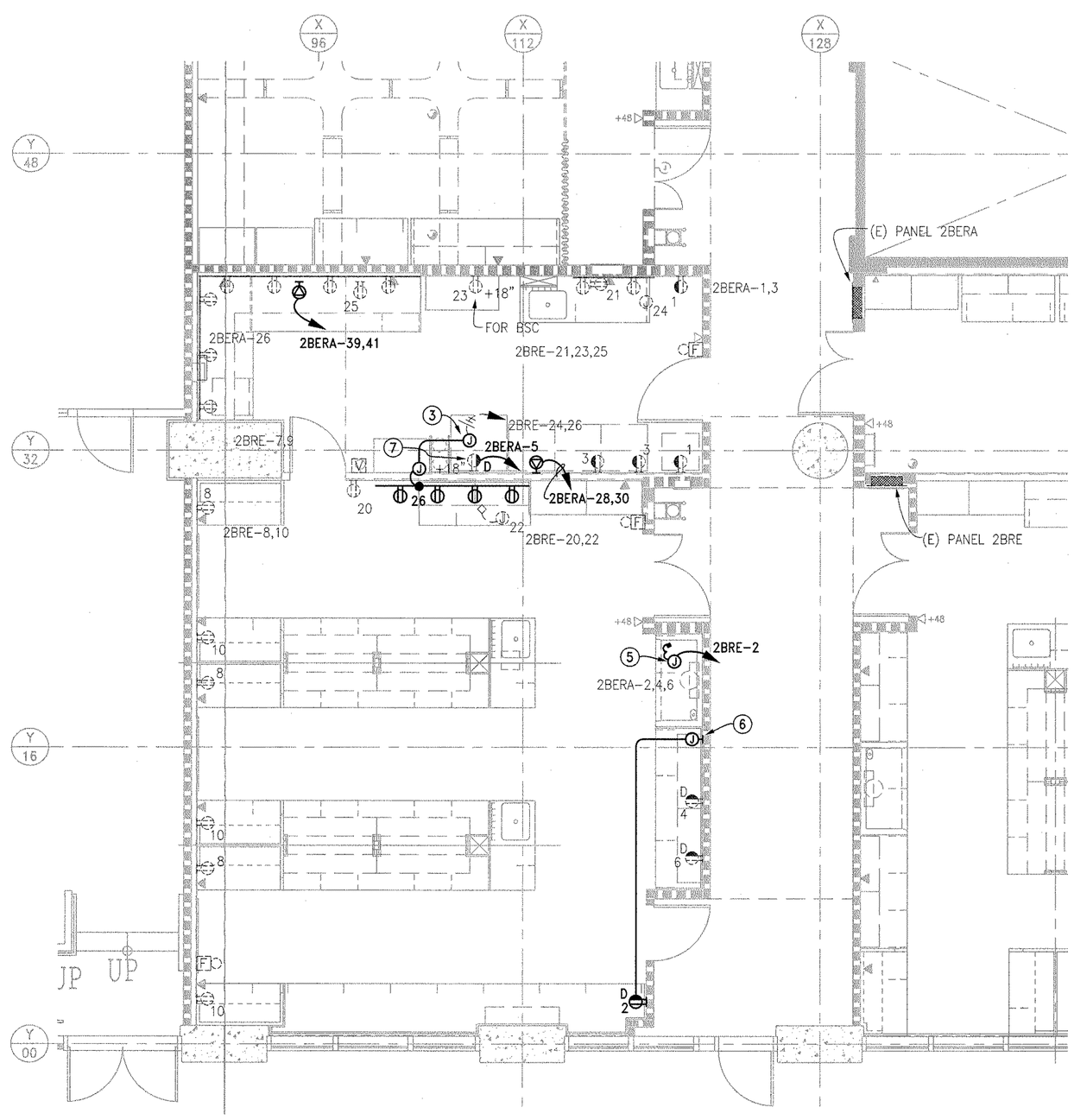
ØA : **9.94** KVA
ØB : 10.06 KVA
ØC : 8.56 KVA

GROUND BUS [X]



PARTIAL SECOND FLOOR PLAN - DEMOLITION (1)
1/4"=1'-0"

NORTH



PARTIAL SECOND FLOOR PLAN - NEW (2)
1/4"=1'-0"

NORTH

SHEET NOTES

1. DISCONNECT EXISTING RECEOTPACLE FROM EXISTING NORMAL CIRCUIT AND RECONNECT TO EMERGENCY CIRCUIT AS INDICATED ON NEW PLAN. REUSE EXISTING CIRCUIT NO. 26 TO FEED NEW WIREMOLD.
2. REMOVE EXISTING RECEPTACLE. EXISTING OUTLET BOX AND CONDUIT SHALL REMAIN TO MAINTAIN EXISTING CIRCUITRY.
3. INTERCEPT HOMERUN FEEDER WITH NEW JUNCTION BOX AS INDICATED. PROVIDE NECESSARY MATERILS & LABOR AS REQUIRED TO RECONNECT EXISTING CIRCUIT NO. 24 AND CONNECT CIRCUIT NO. 26 TO NEW WIREMOLD AS INDICATED.
4. VERIFY EXACT LOCATION OF THE RECEPTACLES WITH FURNITURE LAYOUT AND RELOCATE RECEPTACLES IF REQUIRED. PROVIDE NECESSARY MATERIALS & LABOR AND RECONNECT TO MATCH EXISTING.
5. CONNECT FUME HOOD COMPLETE.
6. PROVIDE NEW BLANK COVERPLATE AT EXISTING OUTLET BOX AND EXTEND EXISTING CIRCUIT TO NEW RECEPTACLE AS INDICATED.
7. CONNECT EXISTING RECEPTACLE TO NEW EMERGENCY CIRCUIT AS INDICATED.

Gicklhorn Lazzarotto Partners
645 HARRISON ST
SUITE 101
SAN FRANCISCO
CA 94107
415 512 7795 T
415 512 7796 F
GLPsf.com

CONSULTANTS

MECHANICAL/ELECTRICAL/
PLUMBING ENGINEER
GAYNER ENGINEERS
1133 POST STREET
SAN FRANCISCO, CA 94109
TEL: 415.474.9500
FAX: 415.474.1363

KEY PLAN:

FIRE MARSHAL:

DSA:

University of California
Physical Planning and Construction
Santa Cruz Campus
Santa Cruz, California

Baskin Alterations - Labs 206, 207 & 208 Final User Build-out
Baskin Engineering Building
1156 High Street
Santa Cruz, CA 95064
UCSC PROJECT & FILE NO: 2700-111

ISSUE DATE

REVISIONS NO.	DATE	DESCRIPTION
	10/19/07	ISSUED FOR FINAL REVIEW

PROJECT NO: 0723
CAD DWG FILE:
DRAWN BY: HW
CHECKED BY: RC
SHEET TITLE

PARTIAL SECOND FLOOR PLANS - DEMOLITION AND NEW PANEL SCHEDULES

E-202-2

SHEET OF

File Name: P:\project\07167-ucsc\elect\E-202.2.dwg
Plot Date and Time: Friday, October 19, 2007 @ 11:16 am
Plot Scale: 1 = 1 Drawn By: rgmond Last Saved By: rgmond
Xref(s): P:\project\07167-ucsc\xref\G-001R18.dwg, A-FP102-1R18.dwg, A-FP102-2.dwg, A-FP202.dwg, C-FP0R00.dwg, A-XP102-.dwg, C-FP0R00.dwg, A-FP202-.dwg, A-FP102-1R18.dwg, A-FP412-.dwg;

10/19/07 11:16:00 AM P:\project\07167-ucsc\elect\E-202.2.dwg