LEGEND

		EXISTING PIPING TO BE REMOVED
		EXISTING PIPING TO REMAIN
	SS	SANITARY SEWER (ABOVE FLOOR)
	SS	SANITARY SEWER (BELOW FLOOR/GRADE)
	SV	SANITARY VENT
LW	LW	LAB WASTE (ABOVE FLOOR)
LW	LW	LAB WASTE (BELOW FLOOR/GRADE)
LV	LV	LAB WASTE VENT
OFD	OFD	OVERFLOW DRAIN
SD	SD	STORM DRAIN
CD	CD	CONDENSATE DRAIN
	CW	DOMESTIC (PORTABLE) COLD WATER
	HW	DOMESTIC (PORTABLE) HOT WATER
ICW	ICW	INDUSTRIAL COLD WATER
IHW	IHW	INDUSTRIAL HOT WATER
IHWR	IHWR	INDUSTRIAL HOT WATER RETURN
DW	DW	DEIONIZED WATER
DWR	DWR	DEIONIZED WATER RETURN
LCWS	LCWS	LAB COLD WATER SUPPLY
LCWR	LCWR	LAB COLD WATER RETURN
TP	TP	TRAP PRIMER
G	G	LOW PRESSURE NATURAL GAS
MG	MG	MEDIUM PRESSURE NATURAL GAS
LPG	LPG	LIQUEFIED PROPANE GAS
AIR	AIR	COMPRESSED AIR
VAC	VAC	VACUUM
N2	N2	NITROGEN
HE	HE	HELIUM
AR	AR	ARGON
CO2	CO2	CARBON DIOXIDE
STM	STM	STEAM
F	F	FIRE MAIN
SP	SP	SPRINKLER SUPPLY
PSP	PSP	PRE-ACTION SPRINKLER SUPPLY
FSD	FSD	FIRE SPRINKLER DRAIN
WSP	WSP	WET STAND PIPE
SPD	SPD	SPRINKLER DRAIN
CHWS	CHWS	CHILLED WATER SUPPLY (MECHANICAL)
CHWR	CHWR	CHILLED WATER RETURN (MECHANICAL)
HWS	HWS	HEATING WATER SUPPLY (MECHANICAL)
HWR	HWR	HEATING WATER RETURN (MECHANICAL)
		CHECK VALVE
	SOV	SHUT-OFF VALVE
		PLUG VALVE
		BALL VALVE
		BALANCING VALVE
		SOLENOID VALVE
	PRV	PRESSURE REDUCING VALVE
	PIV	POST INDICATING VALVE
BFP	BFP	BACKFLOW PREVENTER
		STRAINER
		UNION
	WHA	WATER HAMMER ARRESTOR
		FLOW SWITCH
		PRESSURE/TEMPERATURE GAUGE WITH GAUGE COCK
		ANCHOR
		SLEEVE/PENETRATION
		INCREASER/REDUCER
		FLOW DIRECTION INDICATOR
		SHUT-OFF VALVE IN VERTICAL
	HB	HOSE BIBB
		UP
		DOWN
		CAP/PLUG
		CAP AT VERTICAL TAKE-OFF
	CO/WCO	CLEANOUT/WALL CLEANOUT
	FCO/GCO	FLOOR CLEANOUT/GRADE CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	FUD	FUNNEL DRAIN
		EXISTING SPRINKLER HEAD
		NEW SPRINKLER HEAD
		NEW SIDEWALL SPRINKLER HEAD
FHC	FHC	FIRE HOSE CABINET
	FDC	FIRE DEPARTMENT CONNECTION
1		SHEET NOTE DESIGNATION
		CONNECT TO EXISTING
		DEMOLITION POINT
DETAIL SHEET		DETAIL DESIGNATION TAG
XX-X		FIXTURE DESIGNATION
XX / X		EQUIPMENT TAG / EQUIPMENT NUMBER
SD		SMOKE DETECTOR

ABBREVIATIONS

ADA	AMERICAN WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
APPROX.	APPROXIMATE
BFP	BACKFLOW PREVENTER
BOP	BOTTOM OF PIPE ELEVATION
BLDG	BUILDING
CFH	CUBIC FEET PER HOUR
CD	CONDENSATE DRAIN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
CPC	CALIFORNIA PLUMBING CODE
CS	CUP SINK
DEPT.	DEPARTMENT
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DIA/ø	DIAMETER
DIV	DIVISION
DN	DOWN
DWG(S)	DRAWINGS
(E)	EXISTING
ELEC	ELECTRICAL/ELECTRIC
ESS	EYEWASH & SAFETY SHOWER
FF	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
GAL(S)	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
IE	INVERT ELEVATION
IN	INCHES
LAV	LAVATORY
LSK	LAB SINK
LV	LAB WASTE VENT
MECH	MECHANICAL
(N)	NEW
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
N.I.C.	NOT IN CONTRACT
NO	NORMALLY OPEN
PDI	PLUMBING AND DRAINAGE INSTITUTE
PSI(G)	POUNDS PER SQUARE INCH (GAUGE)
SH	SHOWERS
SQ. FT.	SQUARE FEET
SSK	SERVICE SINK
TP	TRAP PRIMER
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITER LABORATORY
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VB	VACUUM BREAKER
WC	WATER CLOSET
W.C.	WATER COLUMN
WG	WATER GALLON

GENERAL NOTES - PLUMBING

1. ALL PIPES, AND RELATED EQUIPMENT SHALL BE SUPPORTED AND BRACED PER THE 2001 CALIFORNIA BUILDING CODE.
2. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE OF APPROVED MATERIAL AS PRESCRIBED IN CALIFORNIA BUILDING CODE, SECTION 714.
3. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL NEW SLAB PENETRATIONS TO MISS REBARS & STRUCTURE MEMBRANE, PRIOR TO BEGINNING WORK.
4. ROUTING OF PLUMBING PIPING SYSTEMS AND MECHANICAL PIPING SYSTEMS SHALL BE COORDINATED.
5. INVERT ELEVATIONS INDICATED ON FLOOR PLANS ARE BASED ON FINISHED FLOOR ELEVATION OF FF=0.00 FT.
6. ALL CONDENSATE DRAIN SHALL BE COPPER TYPE M TUBING.
7. ALL UTILITY TIE-IN/SHUT-DOWN SHALL BE SUBMITTED TO THE UNIVERSITY FOR APPROVAL AND COORDINATION IN WRITING AT LEAST ONE MONTH PRIOR TO THE PROPOSED SCHEDULE.
8. PATCH ALL OPENING AND PENETRATIONS TO MATCH SURROUNDING. PROVIDE FIRE CAULKING FOR OPENING AT FIRE RATED ASSEMBLIES.

DRAWING LIST

P-001	LEGEND, SYMBOLS, ABBREVIATIONS, SCHEDULES, & GENERAL NOTES
P-401	SECOND FLOOR - UNDERFLOOR PLUMBING FLOOR PLAN (CENTER)
P-402	SECOND FLOOR - PLUMBING FLOOR PLAN
P-601	DETAILS AND DIAGRAMS
P-602	DETAILS AND DIAGRAMS

APPLICABLE CODES

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS AS APPLICABLE:

CALIFORNIA CODE OF REGULATIONS TITLE 8 - INDUSTRIAL REGULATIONS.
CALIFORNIA CODE OF REGULATIONS TITLE 19 - PUBLIC SAFETY.
CALIFORNIA CODE OF REGULATIONS TITLE 22 - SOCIAL SECURITY.
CALIFORNIA CODE OF REGULATIONS TITLE 24 - PARTS 2, 3, 4, AND 5.
CALIFORNIA CODE OF REGULATIONS TITLE 24 - ENERGY INSULATION STANDARDS.
2000 UNIFORM BUILDING CODE WITH 2001 CA AMENDMENTS.
2000 UNIFORM PLUMBING CODE WITH 2001 CA AMENDMENTS.
2000 UNIFORM MECHANICAL CODE WITH 2001 CA AMENDMENTS.
1999 NATIONAL ELECTRIC CODE WITH 2001 CA AMENDMENTS.
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.

UNLESS OTHERWISE STATED, IT IS INTENDED THAT THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN EFFECT ON THE DATE OF THE CONTRACT. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE ABOVE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	SS	V	HW	CW	DW	SPECIFICATIONS
LSK	LAB SINK	2"	1½"	½"	½"	½"	ROUGH-IN AND CONNECT. FURNISHED BY DIVISION 11. BRASSCRAFT ANGLE STOPS WITH LOOSEKEY AND RIGID RISERS. GEORGE-FISHER STRAINER AND P-TRAP. INSULATE WITH PIPE COVER.

1. ACCESSIBLE PLUMBING FIXTURES ARE DESIGNATED WITH SUFFIX 'H'. INSTALL IN ACCORDANCE WITH CALIFORNIA PLUMBING CODE AND CALIFORNIA BUILDING CODE CHAPTER 11B, TITLE 24, AND ADA.

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:
CHECKED BY:
SHEET TITLE

LEGEND, SYMBOLS, ABBREVIATIONS, SCHEDULES, & GENERAL NOTES

P-001

SHEET OF

P:\project\07167-ucsc\plumb\P-001.dwg

10/19/07 2:47:10 PM