BASKIN ALTERATIONS - FINAL USER BUILD-OUT LABS 206, 207 & 208

SCHOOL OF ENGINEERING

UNIVERSITY OF CALIFORNIA, SANTA CRUZ - OFFICE OF PHYSICAL PLANNING & CONSTRUCTION

PROJECT DATA

PROJECT NAME: BASKIN ALTERATIONS LABS 206, 207 & 208
FINAL USER BUILDOUT

PROJECT ADDRESS: Baskin School of Engineering
Baskin Engineering Building
1156 High Street
Santa Cruz, CA 95064

PROJECT OWNER: University of California
Santa Cruz Campus
Office of Physical Planning and Construction
1156 High Street, Barn G
Santa Cruz, CA 95064

BUILDING: BASKIN ENGINEERING BUILDING
DATE: OCTOBER 03, 2007
FILE NO.: 2700–111
CFR NO.: 58564
PROJECT MANAGER: DEAN RICKER
CONSULTANTS:
GICKLHORN LAZZAROTTO PARTNERS
GAYNER ENGINEERS
DAVIS LANGDON

CHECK LIST/APPROVALS:
FIRE MARSHAL
DSA

GENERAL NOTES

1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT, FACILITIES, TRANSPORTATION AND SERVICES REQUIRED TO COMPLETE THE JOB AS SHOWN AND SPECIFIED.
2. ALL WORK AND MATERIALS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS SHALL BE SUBJECT TO THE GENERAL CONDITIONS OF THE CONTRACT.
3. THE CONTRACTOR SHALL HAVE VISITED THE SITE AND SATISFIED HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. HE SHALL CHECK EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK.
4. ALL CONSTRUCTION NOT SPECIFICALLY DETAILED SHALL BE BUILT TO CONFORM WITH SIMILAR CONSTRUCTION SHOWN AND THE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS.
5. VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS IN THE FIELD OR PRIOR TO INSTALLATION. IN THE EVENT OF DISCREPANCIES, NOTIFY THE UNIVERSITY REPRESENTATIVE. DO NOT PROCEED WITH WORK IN AREAS INVOLVING DISCREPANCIES UNTIL SUCH DISCREPANCIES HAVE BEEN FULLY RESOLVED.
6. THE WORK SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS. HOWEVER, CHANGES TO ACCOMMODATE INSTALLATION OF THIS WORK WITH OTHER WORK, OR IN ORDER TO MEET EXISTING OR NEW ARCHITECTURAL OR STRUCTURAL CONDITIONS, SHALL BE MADE WITHOUT ADITIONAL COST TO THE UNIVERSITY REPRESENTATIVE. COORDINATION OF THIS WORK WITH OTHER TRADES IS THE CONTRACTOR'S RESPONSIBILITY.
7. ANY PORTIONS OF THE EXISTING STRUCTURE, EQUIPMENT, UTILITIES, ETC,. DAMAGED DURING THE COURSE OF THIS CONSTRUCTION ARE TO BE REPLACED WITH MATERIALS NECESSARY TO RESTORE TO ORIGINAL CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO ANY PART OF THE PREMISES OR WORK OF OTHER CONTRACTORS CAUSED BY LEAKS OR BREAKS IN THE PIPING OR EQUIPMENT FURNISHED AND/OR INSTALLED DURING THE CONSTRUCTION AND GUARANTEE PERIOD.
8. USE ALL MEANS NECESSARY TO PROTECT THE MATERIALS OF THE PROJECT BEFORE, DURING, AND AFTER INSTALLATION AND TO PROTECT THE WORK AND MATERIALS OF OTHER TRADES.
9. REMOVE ALL DEBRIS PROMPTLY FROM SITE. DO NOT USE UNIVERSITY DUMPSTERS.

DRAWING INDEX

GENERAL

G–001 COVER SHEET, DRAWING INDEX, ABBREVIATIONS, SYMBOLS, VICINITY, AND LOCATION MAPS
G–002 BUILDING CODE SUMMARY AND GENERAL BUILDING INFORMATION

ARCHITECTURAL

A–102.1X SECOND FLOOR PLAN WAFFLE SLAB COORDINATION (FOR REFERENCE ONLY)
A–301 BUILDING SECTIONS – EXISTING CONDITION (FOR REFERENCE ONLY)

AL–001 LABORATORY FURNISHINGS LEGEND AND SCHEDULE
AL–402.2 SECOND FLOOR ENLARGED LAB FURNISHINGS PLAN – NEW CONDITION (CENTER)
AL–412.2 SECOND FLOOR REFLECTED CEILING PLAN – (FOR REFERENCE ONLY)
AL–501 LAB DETAILS

ABBREVIATIONS

NOTE: ABBREVIATIONS ON THIS SHEET ARE SUPERCEDED WHEN STRUCT, ELEC, MECH, OR PLUMB HAVE OTHERWISE SPECIFIED ABBREVIATIONS IN THEIR DOCUMENTS.

@	AT
℄	CENTER LINE
ø	DIAMETER
#	POUND OR NUMBER
(E)	EXISTING
(N)	NEW
A	
A	AMPERE
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
AC	"ALTERNATING CURRENT, ACOUSTICAL," AIR CONDITONER
ACOUS.	ACOUSTICAL CEILING TILE
A.D.	AREA DRAIN
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
ADJ.	"ADJUSTABLE, ADJACENT"
AGGR.	AGGREGATE
ALT	ALTERNATE
AL.	ALUMINUM
APPROX.	APPROXIMATE(LY)
ARCH.	ARCHITECTURAL
ASPH.	ASPHALT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAGE
B	
B/O	BOTTOM OF
B.O.	BOTTOM OF
BD.	BOARD
BM.	BEAM
BET	BETWEEN
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BSC	BIO SAFETY CABINET
BOT.	BOTTOM
BTU	BRITISH THERMAL UNIT
BTW	BETWEEN
C	
CAB.	CABINET
C.B.	CATCH BASIN
C.I.	CAST IRON
CEM.	CEMENT
CER.	CERAMIC
CCTV	CLOSED CIRCUIT TELEVISION
CFM	CUBIC FEET PER MINUTE
CFH	CUBIC FEET PER HOUR
C.G.	CORNER GAURD
CIRC	CIRCULATION
CJ	CONTROL JOINT
CL	CENTERLINE
CLG.	CEILING
CLKG.	CAULKING
CLO.	CLOSET
CLR.	CLEAR
CMU	"CONCRETE MASONRY UNIT," CONCRETE BLOCK
CNTR.	COUNTER
CO	CLEANOUT
COL.	COLUMN
CONC.	CONCRETE
CONF	CONFERENCE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	"CONTINUOUS, CONTINUATION"
CONTR	CONTRACTOR
CORR.	CORRIDOR
CPT	CARPET
CRT	CATHODE RAY TUBE
CTR.	"CENTER, CONTRACTOR"
CU	"COPPER, CONDENSING UNIT"
CW	COLD WATER
D	
DBL.	DOUBLE
DC	DIRECT CURRENT
DEG	DEGREES
DEPT.	DEPARTMENT
DET	DETAIL
D.F.	DRINKING FOUNTAIN
DIA.	"DIAMETER, DIAGONAL"
DIFF	DIFFUSER
DIM.	DIMENSION
DISP.	DISPENSER
DIST	DISTRIBUTION
DIV	DIVISION
DN.	DOWN
DR.	DOOR
DS.	DOWNSPOUT
DWG	DRAWING
DWR.	DRAWER
E	
EA.	EACH
EF	EXHAUST FAN
EFS	EXTERIOR FINISH SYSTEM
E.J.	EXPANSION JOINT
ELEC.	ELECTRIC(AL)
ELEV.	ELEVATION
EMBED	"EMBEDMENT, EMBEDDED"
EMER.	EMERGENCY
ENCL.	ENCLOSURE (ENCLOSE)
EQ.	EQUAL
EQPT.	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP.	"EXPANSION, EXPANDED"
EXPO.	EXPOSED
EXST.	EXISTING
EXT.	EXTERIOR
F	
FA	FIRE ALARM
F.D.	FLOOR DRAIN
F.D.N.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FFE	FINISHED FLOOR ELEVATION

F (CONTINUED)	
F.H.C.	FIRE HOSE CABINET
FIN.	FINISH(ED)
FIXT	FIXTURE
FL.	FLOOR
FLASH.	FLASHING
FLEX	FLEXIBLE
FLOUR.	FLOURESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUDS.
FRP	FIBERGLASS REINFORCED PLASTIC
FT.	FEET OR FOOT
FTG.	FOOTING
FURR.	FURRING
FUT	FUTURE
G	
GA.	GAUGE, GAGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GEN	GENERAL
GFI	GROUND FAULT INTERRUPT
GL.	GLASS, GLAZING
GLU–LAM	GLUED LAMINATED TIMBER
GND.	GROUND
GPM	GALLONS PER MINUTE
GRD.	GRADE
GSM	GALVANIZED SHEET METAL
GYP.	GYPSUM
GYP BD	GYPSUM BOARD
H	
H	HIGH
H.B.	HOSE BIB
H.C.	HOLLOW CORE
HDBD	HARDBOARD
HDWE	HARDWARE
HDWD	HARDWOOD
HID	HIGH INTENSITY DISCHARGE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HPS	HIGH PRESSURE SODIUM
HR	HOUR
HGT.	HEIGHT
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
HW	HOT WATER
I	
I.D.	INSIDE DIAMETER
IN	"INCH, INTERMEDIATE NAILING"
INCAND	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATION
INT.	INTERIOR
INV	INVERT
J	
JAN	JANITOR
J–BOX	JUNCTION BOX
JT	JOINT
K	
KIT.	KITCHEN
KO	KNOCKOUT
KV	KILOVOLT
KVA	KILOVOLT AMP
KW	KILOWATT
KWH	KILOWATT HOUR
L	
LAB.	LABORATORY
LAM.	LAMINATE
LAV.	LAVATORY
LB	POUND
LKR.	LOCKER
LOC	LOCATION
LT	LIGHT
LTG	LIGHTING
LV	LOW VOLTAGE
M	
MAINT	MAINTENANCE
MAN	MANUAL
MAT	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MET.	METAL
MFR.	MANUFACTURER
MGMT	MANAGEMENT
MGR	MANAGER
MH.	MANHOLE
MIN.	"MINIMUM, MINUTE"
MISC.	MISCELLANEOUS
MM	MILLIMETER
M.O.	MASONRY OPENING
MTD	MOUNT (ING) (ED)
MUL.	MULLION
N	
(N)	NEW
N	NEUTRAL
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
N.I.C.	NOT IN CONTRACT
NO or #	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O	
O/	'ON' OR 'OVER'
OBS.	OBSCURE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFF.	OFFICE
OH	OVERHEAD
OPNG.	OPENING
OPP.	OPPOSITE
OWN	OWNER

P	
PCC	PRECAST CONCRETE
PIV	POST INDICATOR VALVE
PL.	PLATE
P.LAM	PLASTIC LAMINATE
PLAS.	PLASTER
PLF	POUNDS PER LINEAL FOOT
PLYWD.	PLYWOOD
PNL	PANEL
PR.	PAIR
PRCST.	PRECAST
PREP	PREPARATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAPER TOWEL DISPENSER
PTN.	PARTITION
PVC	POLYVINYL CHLORIDE
PWR	POWER
Q	
QTY	QUANTITY
R	
R.	RADIUS
(R)	REMOVE
RA	RETURN AIR
R.D.	ROOF DRAIN
RECD	RECEIVED
REF.	REFERENCE
REFR.	REFRIGERATOR
REINF.	REINFORCE (ING) (ED)
RESIL.	RESILIENT
RGTR.	REGISTER
REQ.	REQUIRED
RET	RETURN
RM.	ROOM
R.O.	ROUGH OPENING
RPM	REVOLUTIONS PER MINUTE
RWD.	REDWOOD
R.W.L.	RAIN WATER LEADER
S	
S.C.	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
SCHED.	SCHEDULE
SECT.	SECTION
SF	"SQUARE FOOT(AGE)"
SH.	SHELF
SHR.	SHOWER
SHT.	SHEET
SIM.	SIMILAR
SLNT	SEALANT
SPEC.	SPECIFICATION(S)
SPKR	SPEAKER
SPNKLR	SPRINKLER
SQ.	SQUARE
SST	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRL.	STRUCTURAL
SUP	SUPPLY
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
T	
T&G	TONGUE AND GROOVE
T.C.	TOP OF CURB
T–STAT	THERMOSTAT
T/O	TOP OF
T.O.	TOP OF
TECH	TECHNICAL
TEL.	TELEPHONE, TELEVISION
TEMP	"TEMPERATURE, TEMPORARY"
THD	THREADED
THK	THICK(NESS)
THRESH	THRESHOLD
T.P.	TOP OF PAVEMENT
TYP.	TYPICAL
T.W.	TOP OF WALL
U	
UNF.	UNFINISHED
U.O.N.	UNLESS OTHERWISE NOTED
UTIL	UTILITY
V	
VA	VOLT AMPERE
VAC	VOLTS, ALTERNATING CURRENT
VB	VAPOR BARRIER
VDC	VOLTS, DIRECT CURRENT
VEL	VELOCITY
VERT.	VERTICAL(LY)
VEST	VESTIBULE
VIB	VIBRATION
VM	VOLT METER
VOL	VOLUME
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	
W	WIDE
W/	WITH
W/O	WITHOUT
WB	WET BULB
W.C.	WATER CLOSET
WD.	WOOD
WP.	"WATERPROOFING, WATERPROOF" "WEATHER PROOF, WORK POINT"
WSCT.	WAINSCOT
WT.	WEIGHT
WWF	WELDED WIRE FABRIC
Y	
YD	YARD

SYMBOLS

ACOUSTIC TILE OR BOARD
BRICK
CONCRETE
CONCRETE BLOCK
EARTH
GLASS
GYPSUM BOARD
INSULATION, BATT
INSULATION, RIGID
METAL
METAL LATH
MORTAR
PLASTER
PLYWOOD
ROCK FILL
SAND
WOOD, FINISH
WOOD, FRAMING THROUGH MEMBER
WOOD, FRAMING INTERRUPTED MEMBER

SYMBOLS LEGEND:

EXISTING NON–RATED PARTITION
EXISTING 1–HR PARTITION
EXISTING 2–HR PARTITION
EXISTING NON–RATED PARTITION TO BE REMOVED
EXISTING 1–HR PARTITION TO BE REMOVED
EXISTING 2–HR PARTITION TO BE REMOVED
NEW NON–RATED PARTITION
NEW 1–HR PARTITION
NEW 2–HR PARTITION

1 — PARTITION TYPE SYMBOL, SEE SHEETS A–510 FOR PARTITION SCHEDULE

1 — ACOUSTICAL PARTITION TYPE, SYMBOL, SEE SHEET A–510 FOR PARTITION SCHEDULE & NOTES CALLING OUT ACOUSTICAL TREATMENTS.

CH-01 — DOOR OR WINDOW NUMBER, SEE A–601 FOR DOOR/ WINDOW SCHEDULE

2 — **REVISION** CLOUD AROUND REVISION OPTIONAL

WORK POINT, CONTROL POINT OR DATUM POINT

1 — **NUMBERED SHEET NOTES SYMBOL**

X / 00 — **COLUMN LINE** ORIENT POINT OF CIRCLE TO COLUMN LINE.

Y / 128

1 / A–101 — **DETAIL** DETAIL IDENTIFICATION SHEET WHERE DETAIL IS SHOWN

3 / A–201 — **SECTION** SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN

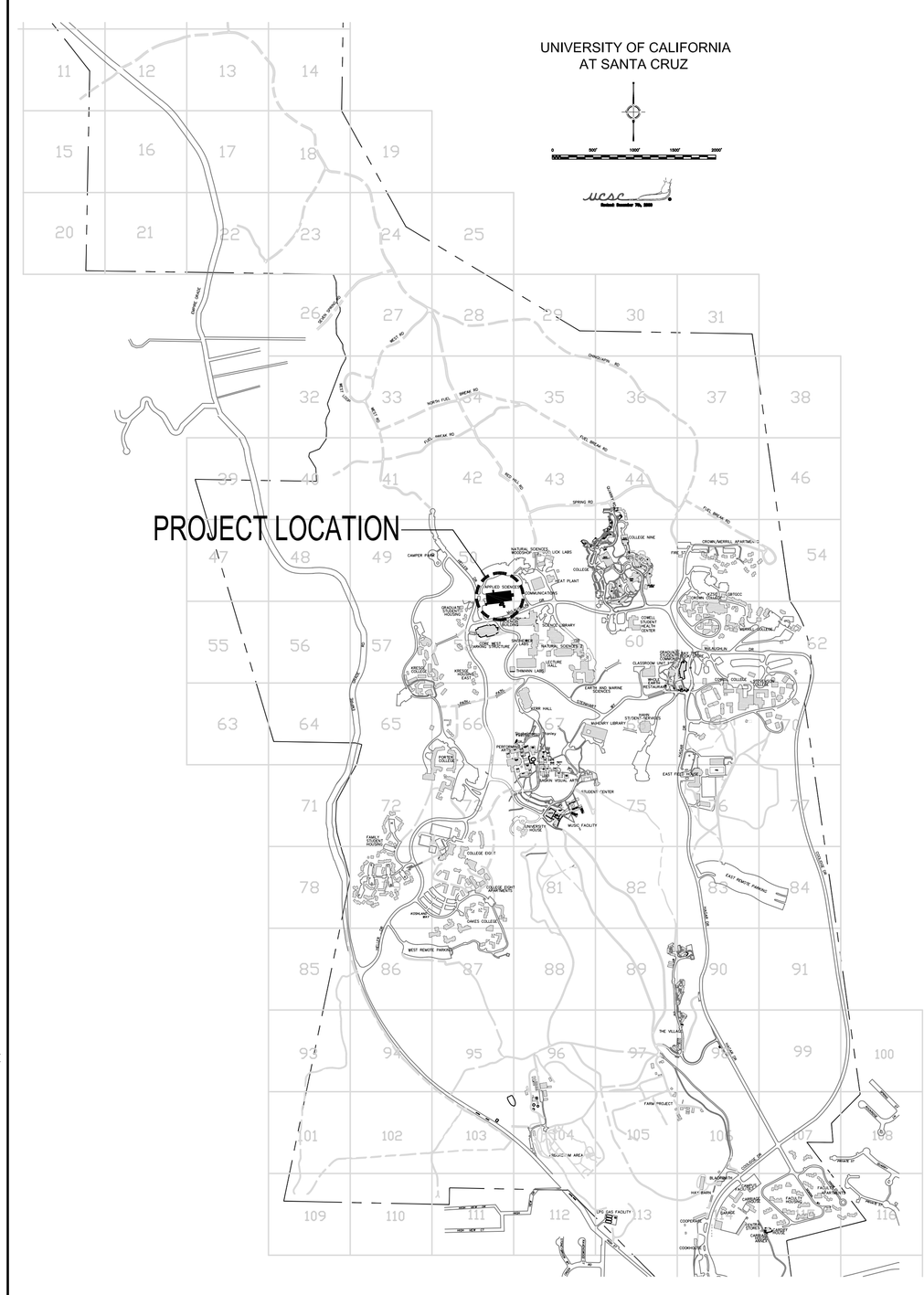
9 / 12 / 2 / A–204 / 10 / 11 — **INTERIOR ELEVATIONS** ELEVATION IDENTIFICATION (UNFOLD ELEVATIONS CLOCKWISE. NO ARROWS MEANS ELEVATION NOT SHOWN.) SHEET WHERE ELEVATION IS DRAWN

1115 — ACTUAL ROOM SIGNAGE NUMBER
LOBBY — ROOM NAME
N115 — CONSTRUCTION ROOM NUMBER
3–B/C–3 — FINISH (SEE SHEET AF–101 FOR MATERIALS CODE LEGEND)
C — CEILING
B — WALL/WAINSCOT
3 — FLOOR/BASE

A-100.1 / A-100.2 — **MATCH LINE** SHADED PORTION IS THE SIDE CONSIDERED

76 — **NEW OR FINISHED CONTOURS**
71 — **EXISTING CONTOURS**
T.W.0.0 — **TOP OF WALL**
T.C.0.0 — **TOP OF CURB**
T.P.0.0 — **TOP OF PAVEMENT**
79.0 — **NEW FINISH GRADE** DRAWN AT 45 °
68.5 — **EXISTING GRADE** SHOWN HORIZONTALLY

VICINITY MAP



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:

LICENSED ARCHITECT
MARVIN H. GICKLHORN
NO. C 11934
REN. 6/09
STATE OF CALIFORNIA

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
	10/03/07	ISSUED FOR FINAL REVIEW

PROJECT NO:	0723
CAD DWG FILE:	G–001–A1.GIF/G–001–D1.GIF
DRAWN BY:	FA/CH/ZK
CHECKED BY:	MHG

SHEET TITLE

COVER SHEET, DRAWING INDEX ABBREVIATIONS, SYMBOLS, VICINITY, AND LOCATION MAPS

G-001

SHEET OF