SOUTHERN OREGON UNIVERSITY
CASCADE SCIENCE RENOVATIONS

ABBREVIATIONS

A

@	AT
AB:	ANCHOR BOLT
AC:	ACOUSTICAL
ACC:	ACCESS
A/C:	AIR CONDITIONING
ACFL:	ACCESS FLOOR
ACPL:	ACOUSTICAL PLAN
ACR:	ACRYLIC PLASTIC
ACT:	ACOUSTICAL TILE CEILING
AD:	AREA DRAIN
ADD:	ADDENDUM/ADDENDA
ADH:	ADHESIVE
ADJ:	ADJUSTABLE/ADJACENT
AFF:	ABOVE FINISHED FLOOR
AGG:	AGGREGATE
ALT:	ALTERNATE
ALUM:	ALUMINUM
ANOD:	ANODIZED
AP:	ACCESS PANEL
APPROX:	APPROXIMATE
ARCH:	ARCHITECT/ARCHITECTURAL
ASPH:	ASPHALT
AUTO:	AUTOMATIC

B

BD:	BOARD
BLDG:	BUILDING
BEL:	BELOW
BET:	BETWEEN
BIT:	BITUMINOUS
BJT:	BED JOINT
BLK:	BLOCK
BLKG:	BLOCKING
BSMT:	BASEMENT
BRG:	BEARING
BOT:	BOTTOM
BPL:	BEARING PLATE
BRG:	BEARING
BRZ:	BRONZE
BS:	BOTH SIDES
BSMT:	BASEMENT
BUR:	BUILT-UP ROOFING
BVL:	BEVEL(ED)
BW:	BOTH WAYS

C

CAB:	CABINET
CB:	CATCH BASIN
CEM:	CEMENT
CER:	CERAMIC
CFL:	COUNTER FLASHING
CFT:	CUBIC FEET/CUBIC FOOT
CG:	CORNER GUARD
CI:	CAST IRON
CIPC:	CAST-IN-PLACE CONCRETE
CIR:	CIRCLE
CJT:	CONTROL JOINT
CLG:	CEILING
CLO:	CLOSET
CLR:	CLEAR
CPT:	CARPET
CM:	CONSTRUCTION MANAGER
CMU:	CONCRETE MASONRY UNIT
CO:	CLEAN-OUT
COL:	COLUMN
COMP:	COMPOSITION/COMPOSITE
CONC:	CONCRETE
CORR:	CORRUGATED
CONST:	CONSTRUCTION
CONT:	CONTINUOUS
CONTR:	CONTRACT/CONTRACTOR
CPT:	CARPET
CRS:	COURSE
CS:	COUNTERSINK
CSMT:	CASEMENT
CST:	CAST STONE
CT:	CERAMIC TILE
CTR:	CENTER/OUNTER
CRS:	COURSE
CYD:	CUBIC YARD

D

DA:	DOUBLE-ACTING
DEMO:	DEMOLISH/DEMOLITION
DEP:	DEPRESSED
DET:	DETAIL
DF:	DRINKING FOUNTAIN
DH:	DOUBLE HUNG
DIAM:	DIAMETER
DIM:	DIMENSION
DISP:	DISPENSER
DIV:	DIVISION
DL:	DEADLOAD
DMT:	DEMOUNTABLE
DN:	DOWN
DP:	DAMPPROOFING
DPR:	DAMPER
DR:	DOOR
DS:	DOWNSPOUT
DT:	DRAIN TILE
DTA:	DOVETAIL ANCHOR
DW:	DUMBWAITER
DWG:	DRAWING
DWR:	DRAWER

E

E:	EAST
(E):	EXISTING
EB:	EXPANSION BOLT
EF:	EACH FACE
EL:	ELEVATION
ELECT:	ELECTRICAL
ELEV:	ELEVATION
EMER:	EMERGENCY
ENCL:	ENCLOSE/ENCLOSURE
EP:	ELECTRICAL PANEL BOARD
EQ:	EQUAL
EQUIP:	EQUIPMENT
ESC:	ESCALATOR
EST:	ESTIMATE
EWC:	ELECTRIC WATER COOLER
EXCAV:	EXCAVATE
EXH:	EXHAUST
EXP:	EXPAND(ED)
EXT:	EXTERIOR

F

FA:	FIRE ALARM
FAS:	FASTEN/FASTENER
FB:	FACE BRICK
FBD:	FIBERBOARD
FBO:	FURNISHED BY OTHERS
FD:	FLOOR DRAIN
FDTN:	FOUNDATION
FE:	FIRE EXTINGUISHER
FEC:	FIRE EXTINGUISHER CABINET
FF:	FINISH FLOOR
FGL:	FIBERGLASS
FHMS:	FLAT HEAD MACHINE SCREW
FHWS:	FLAT HEAD WOOD SCREW
FJT:	FLUSH JOINT
FLUOR:	FLUORESCENT
FOB:	FACE OF BLOCK
FOC:	FACE OF CONCRETE
FOF:	FACE OF FINISH
FOS:	FACE OF STUDS
FOW:	FACE OF WALL
FIN:	FINISH(ED)
FF&E:	FURNITURE, FIXTURES AND EQUIPMENT
FLG:	FLASHING
FLX:	FLEXIBLE
FLR:	FLOOR(ING)
FLUOR:	FLUORESCENT
FP:	FIREPROOF
FPL:	FIREPLACE
FR:	FRAME/FRAMING
FRA:	FRESH AIR
FRC:	FIRE-RESISTANT COATING
FRG:	FORGED
FRT:	FIRE RETARDANT
FS:	FULL SIZE
FTG:	FOOTING
FUR:	FURR(ED)/FURRING

G

GA:	GAGE/GAUGE
GALV:	GALVANIZED
GB:	GRAB BAR
GC:	GENERAL CONTRACTOR
GCMU:	GLAZED CONCRETE MASONRY UNIT
GD:	GRADE/GRADING
GF:	GROUND FACE
GI:	GALVANIZED IRON
GKT:	GASKET(ED)
GL:	GLASS/GLAZING
GLB:	GLASS BLOCK
GP:	GALVANIZED PIPE
GPDW:	GYPSUM DRYWALL
GPL:	GYPSUM LATH
GPPL:	GYPSUM PLASTER
GPT:	GYPSUM TILE
GSF:	GROSS SQUARE FEET
GSM:	GALVANIZED SHEET METAL
GST:	GLAZED STRUCTURAL TILE
GVL:	GRAVEL
GYP:	GYPSUM

H

H. PT.:	HIGH POINT
HBD:	HARDBOARD
HC:	HOLLOW CORE
HD:	HEAVY DUT
HDWR:	HARDWARE
HDWD:	HARDWOOD
HDR:	HEADER
HESC:	HIGH EARLY STRENGTH CEMENT
HH:	HANDHOLE
HM:	HOLLOW METAL
HT:	HEIGHT
HTG:	HEATING
HVAC:	HEATING, VENTILATION AND AIR-CONDITIONING

I

INCL:	INCLUDE/INCLUDING
ID:	INSIDE DIAMETER
INSUL:	INSULATE/INSULATION
INSC:	INSULATING CONCRETE
INT:	INTERIOR
INTLK:	INTERLOCK
INTERM:	INTERMEDIATE
INV:	INVERT
IPS:	IRON PIPE SIZE

J

J:	JOIST
JC:	JANITOR'S CLOSET
JF:	JOINT FILLER
JT:	JOINT

K

KIT:	KITCHEN
KO:	KNOCKOUT
KPL:	KICKPLATE

L

L:	LENGTH
LAB:	LABORATORY
LAD:	LADDER
LAM:	LAMINATE
LAV:	LAVATORY
LB:	LAG BOLT
LBL:	LABEL
LC:	LIGHT CONTROL
LH:	LEFT HAND
LHR:	LEFT HAND REVERSE
LP:	LIGHTPROOF
LMS:	LIMESTONE
LPT:	LOW POINT
LT:	LIGHT
LTL:	LINTEL
LL:	LIVE LOAD
LVR:	LOUVER
LW:	LIGHTWEIGHT
LWC:	LIGHTWEIGHT CONCRETE

M

M:	METER(S)
MAS:	MASONRY
MAX:	MAXIMUM
MB:	MACHINE BOLT
MBR:	MEMBER
MC:	MEDICINE CABINET
MECH:	MECHANICAL
MED:	MEDIUM
MET:	METAL
MFD:	METAL FLOOR DECKING
MFR:	MANUFACTURER
MH:	MANHOLE
MIN:	MINIMUM
MIR:	MIRROR
MISC:	MISCELLANEOUS
MLD:	MOULDING
MM:	MILLIMETER
MMB:	MEMBRANE
MO:	MASONRY OPENING
MOD:	MODULAR
MTFR:	METAL FURRING
MRD:	METAL ROOF DECKING
MWK:	MILLWORK
MR:	MOP RECEPTOR
MT:	MOUNT(ED)
MTG:	MOUNTING
MSD	MEDFORD SCHOOL DISTRICT
MTHR:	METAL THRESHOLD
MULL:	MULLION

N

N:	NORTH
NAT:	NATURAL
NI:	NICKEL
NIC:	NOT IN CONTRACT
NMT:	NON-METALLIC
NOM:	NOMINAL
NR:	NOISE REDUCTION
NRC:	NOISE REDUCTION COEFFICIENT
NSF:	NET SQUARE FEET
NTS:	NOT TO SCALE

O

O/	OVER
OA:	OVERALL
OBS:	OBSCURE
OC:	ON CENTER
OCC:	OCCUPANT(S)
OD:	OUTSIDE DIAMETER
ODOT:	OREGON DEPARTMENT OF TRANSPORTATION
OH:	OVERHEAD
OJ:	OPEN WEB JOIST
OP:	OPAQUE
OPG:	OPENING
OPH:	OPPOSITE HAND
OPP:	OPPOSITE
OPS:	OPPOSITE SIDE
OSCI:	OWNER SUPPLIED AND CONTRACTOR INSTALLED
OSSC:	STATE OF OREGON STRUCTURAL SPECIALTY CODE

P

PNL:	PANEL
PB:	PANIC BAR
PTD:	PAINTED
PTR:	PAPER TOWEL RECEPTACLE
PBD:	PARTICLE BOARD
PTN:	PARTITION
PV:	PAVE(ED)/PAVING
PV(H):	PAVEMENT
PED:	PEDESTAL/PEDESTRIAN
PERF:	PERFORATE(ED)
PERIM:	PERIMETER
PLAS:	PLASTER
PLAM:	PLASTIC LAMINATE
PL:	PLATE
PG:	PLATE GLASS
PWD:	PLYWOOD
PT:	POINT
PVC:	POLYVINYL CHLORIDE
PE:	PORCELAIN ENAMEL
PTC:	POST TESIONED CONCRETE
PCF:	POUNDS PER CUBIC FOOT
PFL:	POUNDS PER LINEAR FOOT
PSF:	POUNDS PER SQUARE FOOT
PSI:	POUNDS PER SQUARE INCH
PCC:	PRECAST CONCRETE
PFB:	PREFABRICATED
PFN:	PREFINISHED
PRF:	PREFORMED
PSC:	PRESTRESSED CONCRETE
PL:	PRPERTY LINE

Q

QT:	QUARRY TILE
QUANT:	QUANTITY

R

R:	RISER(S)
RA:	RETURN AIR
RAD:	RADIUS
RB:	RUBBER BASE
RBL:	RUBBLE
RBT:	RABBET
RC:	RESILIENT CHANNEL
RCP:	REFLECTED CEILING PLAN
RD:	ROOF DRAIN
REF:	REFERENCE
REFR:	REFRIGERATOR
REG:	REGISTER
REINF:	REINFORCE(ED)/REINFORCING
REQD:	REQUIRED
RES:	RESILIENT
RET:	RETURN
REV:	REVISE(ED)/REVISION
RFG:	ROOFING
RFH:	ROOF HATCH
RFL:	REFLECTIVE
RH:	RIGHT HAND
RHR:	RIGHT HAND REVERSE
RM:	ROOM
RO:	ROUGH OPENING
ROW:	RIGHT-OF-WAY
RVS:	REVERSE SIDE
RVT:	RIVET

S

S:	SOUTH
SC:	SOLID CORE
SCD:	SEE CIVIL DRAWINGS
SCH:	SCHEDULE
SCN:	SCREEN
SCT:	STRUCTURAL CLAY TILE
SD:	STORM DRAIN
SED:	SEE ELECTRICAL DRAWINGS
SFGL:	SAFETY GLASS
SG:	SHEET GLASS
SH:	SHELF/SHELVING
SHR:	SHORE/SCRING
SHT:	SHEET
SHTH:	SHEATHING
SIM:	SIMILAR
SKLT:	SKYLIGHT
SLD:	SEE LANDSCAPE DRAWINGS
SLV:	SLEEVE
SMD:	SEE MECHANICAL DRAWINGS
SP:	SOUNDPROOF
SPC:	SPACER
SPD:	SEE PLUMBING DRAWINGS
SPK:	SPEAKER
SPL:	SPECIAL
SPEC:	SPECIFICATION
SQ:	SQUARE
SS:	STAINLESS STEEL
SSD:	SEE STRUCTURAL DRAWINGS
SSK:	SERVICE SINK
STA:	STATION
STD:	STANDARD
STG:	SEATING
STL:	STEEL
STOR:	STORAGE
STRUCT:	STRUCTURAL
SUSP:	SUSPENDED
SYM:	SYMETRICAL
SYN:	SYNTHETIC
SYS:	SYSTEM

T

T:	TOP
T&G:	TONGUE & GROOVE
TB:	TOWEL BAR
TC:	TERRA COTTA
TEL:	TELEPHONE
THK:	THICK/THICKNESS
THR:	THRESHOLD
TKBD:	TACKBOARD
TKS:	TACKSTRIP
TPD:	TOILET PAPER DISPENSER
TPTN:	TOILET PARTITION
TOC:	TOP OF CURB
TOL:	TOLERANCE
TOS:	TOP OF STEEL
TOW:	TOP OF WALL
TR:	TREAD(S)
TSL:	TOP OF SLAB
TV:	TELEVISION
TYP:	TYPICAL
TZ:	TERRAZZO

U

UC:	UNDERCUT
UNF:	UNFINISHED
UON:	UNLESS OTHERWISE NOTED
UR:	URINAL

V

VAR:	VARNISH
VB:	VAPOR BARRIER
VCT:	VINYL COMPOSITE TILE
VERT:	VERTICAL
VIF:	VERIFY IN FIELD
VIN:	VINYL
V.J:	V-JOINT
VNR:	VENEER
VRM:	VERMICULITE

W

W:	WEST/WIDE
W/:	WITH
B:	WOOD BASE
WC:	WATER CLOSET
WD:	WOOD
WG:	WIRE GLASS
WH:	WALL HUNG
WHTR:	WATER HEATER
WI:	WROUGHT IRON
WSTP:	WHEEL STOP
WIN:	WINDOW
WOM:	WALK OFF MAT
WO:	WITHOUT
WP:	WATERPROOFING
WPT:	WORKING POINT
WR:	WATER REPELLENT
WS:	WATERSTOP
WSCT:	WAINSCOT
WTH:	WALL TO WALL
WWM:	WELDED WIRE MESH

NOTE:
SHEETS ARE NOT TO SCALE IF SHEET IS SMALLER THAN 24" X 36"

GENERAL NOTES

1. HAZAROUS MATERIALS: MATERIAL SITE EVALUATION REPORTS AVAILABLE FROM OWNER. INSULATION ON SOME OF THE PIPING IN BASEMENT CONTAINS ASBESTOS. CONTACT OWNER IF CONTRACTOR OR ANY SUB-CONTRACTOR HAS ANY QUESTIONS ABOUT POSSIBLE HAZARDOUS MATERIALS. ABATEMENT WILL UNDER SEPARATE CONTRACTOR BY OWNER.
2. ALL DIMENSIONS ARE TO THE FACE OF FRAMING OR STRUCTURAL SUBSTRATE, UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO THE START OF AFFECTED WORK AND SHALL BRING ANY DISCREPANCIES WITHIN THE CONSTRUCTION DOCUMENTS OR BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS TO THE ATTENTION OF THE ARCHITECT UPON THEIR DISCOVERY AND SHALL CEASE AFFECTED CONSTRUCTION ACTIVITIES UNTIL RESOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONSTRUCTION SITE SAFETY AND SECURITY DURING CONSTRUCTION UNTIL A CERTIFICATE OF OCCUPANCY IS ISSUED AND THE OWNER TAKES POSSESSION OF THE PROJECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND OBTAINING ALL REQUIRED PERMITS AND INSPECTIONS FOR THIS PROJECT.
6. THE CONTRACTOR SHALL PROVIDE AT LEAST 24 HOUR NOTICE TO THE ARCHITECT FOR ANY FIELD APPROVALS OR OBSERVATION REQUIRED PRIOR TO A PLANNED CONSTRUCTION ACTIVITY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS ON A DAILY BASIS AND SHALL KEEP THE SITE IN A NEAT AND SAFE CONDITION AT ALL TIMES.
8. THE CONTRACTOR SHALL COORDINATE ANY REQ'D UTILITY SERVICE INTERRUPTIONS, SITE ACCESS CHANGES AND/OR ANY OTHER WORK THAT MAY ADVERSELY IMPACT TRAFFIC FLOW, BUSINESS OR OTHER ACTIVITIES WITH THE OWNER, CITY AND/OR LOCAL BUSINESSES AS REQ'D TO PROVIDE A MINIMUM OF 48 HOUR PRIOR NOTICE FOR SUCH ACTIVITIES.

CODE SUMMARY

EXISTING BUILDING INFORMATION: (Information from Archive Drawings 1967 - 1991)

Areas:
Within central area out to Area Separation Walls: -------27,000 SF

Existing Construction Types:
Existing Kitchen & Servery ----------Type V - 1-HR
Basement: ----------Type I
Dining areas (Aspen, Cedar, Diamond, Emerald) --Type IV-HT
Dining areas (Forest, Glacier, Hawthorn, Ivy) ------Type II - 1-HR (Non Combustible)

New Construction Type: ----------Type V-1-HR

Fire Sprinklers: ----- Basement: Added in 1991
Ground Floor: Added in 1991
Mechanical Mezzanine: Added in 1991
Dormitories: No Fire Sprinklers

Existing Area Separations Walls: 4 hr with 3 hr openings

APPLICABLE BUILDING CODES:
2010 Oregon Structural Speciality Code, 2010 Oregon Mechanical Code, 2008 Oregon Plumbing Speciality Code, 2008 Electrical Speciality Code, 2010 Oregon Fire Code,
2010 Oregon Energy Efficiency Specialty Code.

2010 OREGON STRUCTURAL SPECIALITY CODE:

EXISTING STRUCTURES (Chapter 34)
SECTION 3410 COMPLIANCE ALTERNATIVES
The Alteration Work on this Building will adhear to the requirements of this Section. The exception being that in some areas the Work will exceed this regulation.

Section 3403.2.3 does not require a seismic upgrade for Alterations.

CONSTRUCTION TYPE: **- Type V-A (1-HR)**

No additional area has been added to the renovation.
The existing fire sprinkler system will be altered to protect the revised spaces.

OCCUPANCY CLASSIFICATION
Existing Occupancy: Group A Dining spaces over 50, Group B dining spaces under 50 occupants.
New Occupancy: Group B Education above 12th grade

OCCUPANCY SEPARATION
Article 3410.2.2 Partial Change in occupancy. Since there will be a partial Occupancy change, this Work will adhear to this Article. The existing provisions required for Group A are more restrictive than the new Group B.

REFER TO DRAWING A-002 EGRESS PLAN
This Plan shows maximum occupant loads for each room, corridors, fire rated walls and other code related items.

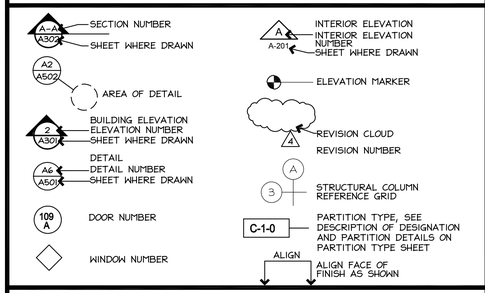
PROJECT DESCRIPTION

This Project consists of renovations to the old Cascade Hall on the Southern Oregon University. The old kitchen core will become the temporary home for the Science program for approximately 18 months, while the existing science building is being remodeled.

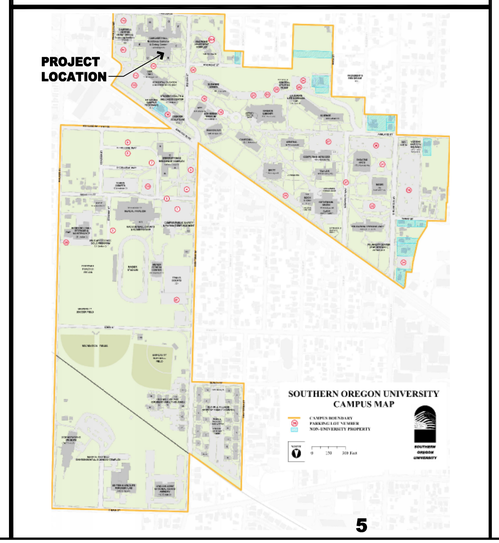
The Project will generally include the following, but this is not necessarily a complete list:

1. Demolition of miscellaneous non-structural walls and other items.
2. The cutting of one opening in a structural concrete wall with required structural support system.
3. Demolition Work for Plumbing, HVAC, Fire Sprinkler, and Electrical shall be included.
4. Provide Floor & ceiling repair as required from wall and other demolition.
5. The removal of the kitchen and miscellaneous equipment will be completed under a separate contract and should be complete before this Work begins.
6. The installation of new walls, ceilings, doors, frames and door hardware, casework, painting, as shown on the Drawings.
7. Some limited site work may be included such if required, such as temporary ADA ramps.
8. It is the intent to leave as much of the existing as possible. This work will include some new suspended lay-in acoustical ceilings as well as some wood framed gypsum drywall ceilings.
9. Carpet will be removed as shown, other existing flooring will remain and be patched as required.
10. Painting of new work will be required.
11. Pre-finished pre-manufactured stock base cabinets.
12. New plastic laminate and Chemical resistant plastic laminate counter tops.
13. Fume Hoods and some Lab Tables will be furnished by Owner & installed by Contractor.
14. Other equipment will be furnished by Owner and installed by Contractor.
15.. The Plumbing, HVAC, Fire Sprinkler, and Electrical work will be included as "Design-Build".

SYMBOLS LEGEND



VICINITY MAP



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PLUMBING

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MECHANICAL

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ELECTRICAL

01	E-102	OVERALL EXISTING FLR PLAN- ELECTRICAL
02	E-103	PARTIAL EXG 1ST FLR PLAN-ELECT. PART A
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06	E-203	PARTIAL NEW 1ST FLR PL - ELECT. PART A
07	E-204	PARTIAL NEW 1ST FLR PL - ELECT. PART B
08	E-205	PARTIAL NEW 1ST FLR PL - ELECT. PART C

FLAMMABLE CHEMICAL STORAGE

CHEMISTRY:
The amounts of flammable or hazardous chemicals that are in the Chemistry labs will vary on a weekly basis, depending on the labs that are being done. The bulk of all the chemicals will be stored in two chemical storage areas. One for the bulk flamables and one for the content of the current chemical storerooms. There will also be a small flammable storage cabinet in the chemical prep room for temporary storage of chemicals the lab preparatory is using.

1. Instrumental: less than 2 gallons
2. General Chemistry: less than 2 gallons
3. Organic Chemistrey: less than 10 gallans
4. Analytical: less than 5 gallons
5. Chemical prep: less than 15 gallons in flammable storage cabinet
6. Bulk flammable storeroom: less than 160 gallons

BIOLOGY:

Biology Dept Flammable Storage in Cascade (estimate)

Rm #		Material	Quantity (Gallons)	Quantity Subtotal
	Loading Dock storage area	95%-100% Ethanol	30	per room
		Acetone	5	
		Methanol	5	
		Ethyl Acetate	5	
		2-Propanol	25	
		Xylene	5	
		Glycerol	5	
		Hexanes	3	
		n-Propy alcohol	2	
		1,2 Dichloroethane	1	
		waste tolune	3	
		Misc. Alcohols	1	
		solvents	3	
		Subtotal	93	93
105A,B	Biology Storeroom	70%-100% Ethanol	4	
		Acetone	1	
		Methanol	1	
		2-Propanol	1	
		Misc. Alcohols	2	
		solvents	1	
		Subtotal	10	10
	105 Biotech (items in use, not stored)	70-100% ethanol	1 (?1)	
		chloroform	0.5	
		Subtotal	1.5	1.5
	104 Microbiology/ cell bi (Items in use, not stored)	70-100% ethanol	1 (?1)	1
	103 Genetics/Physiology	70-100% ethanol	1 (?1)	1
	115 General Biology	60% 2-Propanol	40	40
	114 Principles of Biology	70% 2-Propanol	3	
		70% Ethanol	3	
		Subtotal	6	6
	107 Ecology	70% Ethanol	24	
		65% 2-Propanol	2	
		55% 2-Propanol	14	
		Subtotal	40	40
	108 Human Anatomy & Physiology	60% 2-Propanol	140	140
	Herbarium	70% Ethanol	9	9
	Total			341.5
	Long Term Storage (Not included in above total. Site to be determined)			
	Reptile Specimens	65% 2-Propanol	54	
	Amphibian Specimens	60% 2-Propanol	30	
	Fish Specimens	55% 2-Propanol	63	
		Total	147	

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CONSULTANT:

STAMP:

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SOU Campus
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OWNER:
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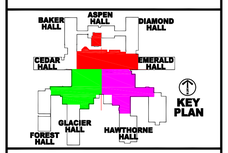
Phone: (541) 821-1294 Fax: 541-552-6235
Email: mcnamarajr@sou.edu



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1	07/10/2013	REVIEW SET

PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-001 (TS)
DRAWN BY:	WDR
CHECKED BY:	JN
PROJECT DATE:	26 NOV 2013

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A-001
SHEET 1 OF 18
SOU Cascade Science Renovation

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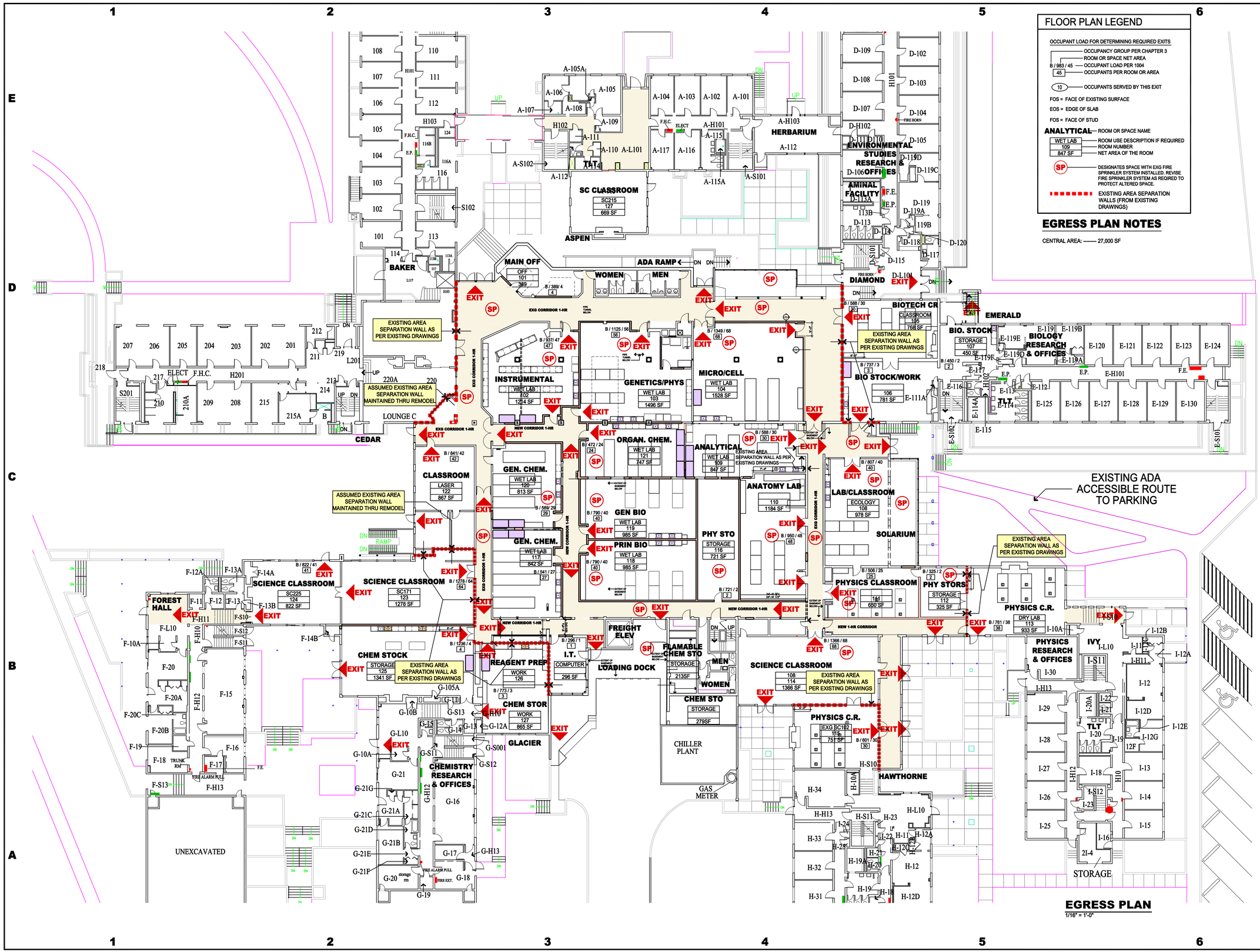

FLOOR PLAN LEGEND

OCCUPANT LOAD FOR DETERMINING REQUIRED EXITS

- OCCUPANCY GROUP PER CHAPTER 3
- ROOM OR SPACE NET AREA
- B / 983 / 45 — OCCUPANT LOAD PER 1004
- 45 — OCCUPANTS PER ROOM OR AREA
- 10 — OCCUPANTS SERVED BY THIS EXIT

FOS = FACE OF EXISTING SURFACE

EOS = EDGE OF SLAB

FOS = FACE OF STUD

ANALYTICAL — ROOM OR SPACE NAME

- WET LAB — ROOM USE DESCRIPTION IF REQUIRED
- 109 — ROOM NUMBER
- 847 SF — NET AREA OF THE ROOM

SP — DESIGNATES SPACE WITH EXG FIRE SPRINKLER SYSTEM INSTALLED. REVISE FIRE SPRINKLER SYSTEM AS REQIRED TO PROTECT ALTERED SPACE.

EXISTING AREA SEPARATION WALLS (FROM EXISTING DRAWINGS)

EGRESS PLAN NOTES

CENTRAL AREA: —— 27,000 SF

EGRESS PLAN

1/16" = 1'-0"

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JAC NICKELS CSI AIA ARCHITECT

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STAMP:

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Cascade Science
Renovations

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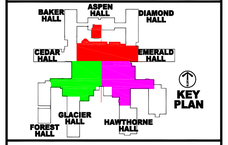

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PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-002 (EP)
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EGRESS PLAN

A-002

SHEET 2 OF 18

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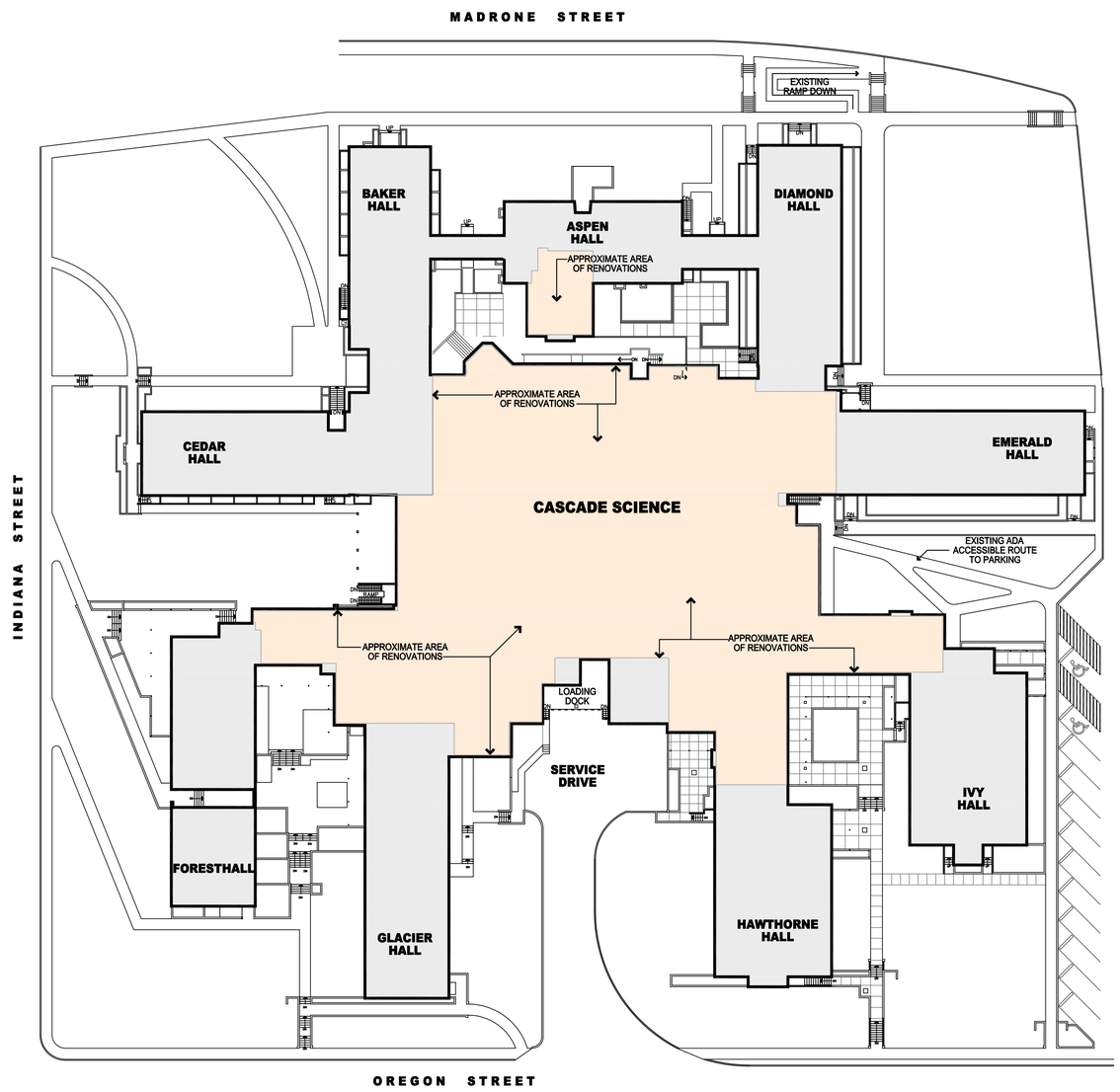

SITE PLAN

1/32" = 1'-0"

N

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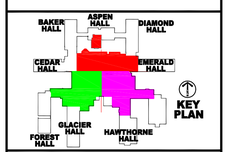

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SITE PLAN

A-101

SHEET 3 OF 18

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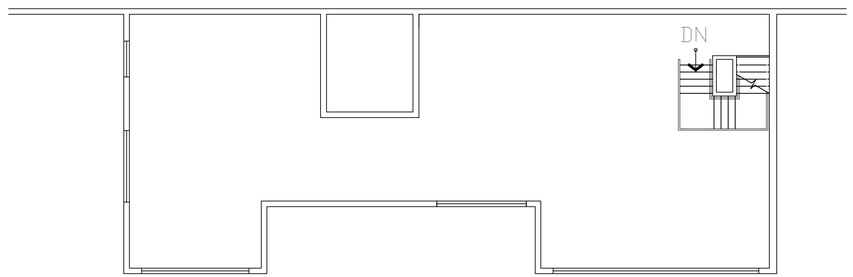
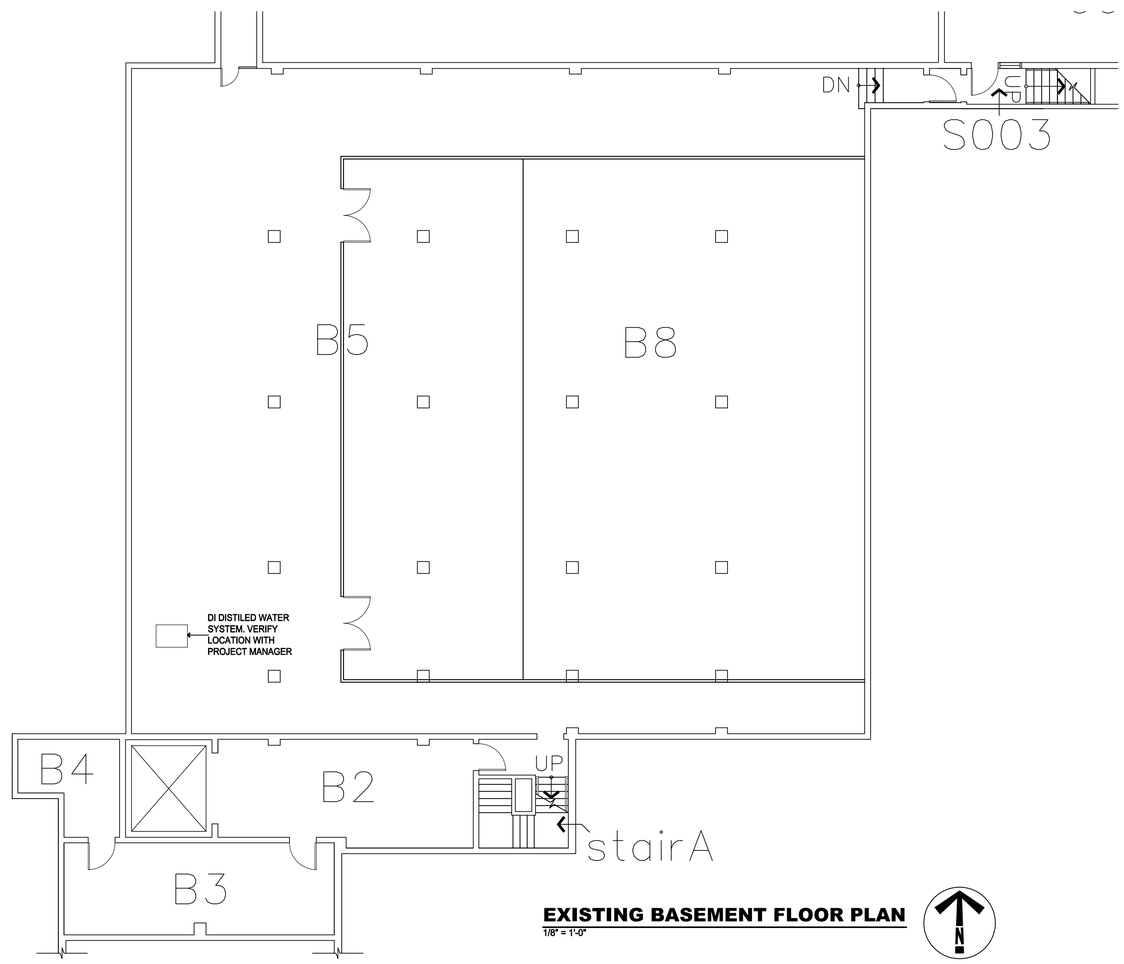


EXISTING MECHANICAL FLOOR PLAN

1/8" = 1'-0"



EXISTING BASEMENT FLOOR PLAN

1/8" = 1'-0"

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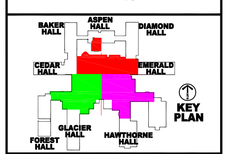

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PROJECT CODE:	SOU-CAS-2013
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DRAWN BY:	JN
CHECKED BY:	WDR
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EXISTING BASEMENT FLOOR PLAN
EXISTING MECHANICAL FLOOR PLAN
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A-102

SHEET 4 OF 00

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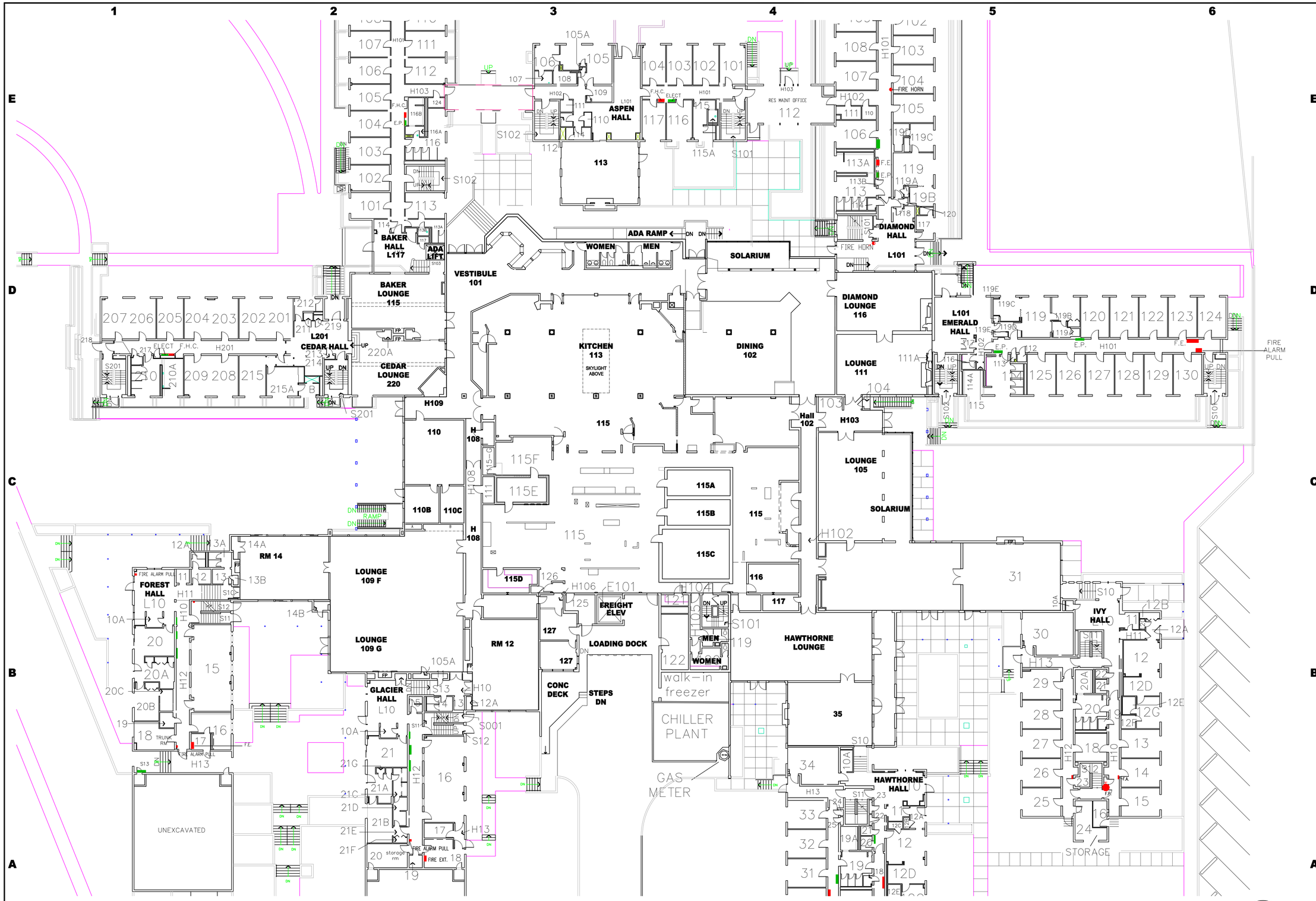

PARTIAL EXISTING FIRST FLOOR PLAN

1/16" = 1'-0"

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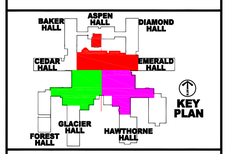

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PROJECT CODE:	SOU-CAS-2013
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CHECKED BY:	JN
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EXISTING FIRST FLOOR PLAN
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A-103

SHEET 5 OF 18

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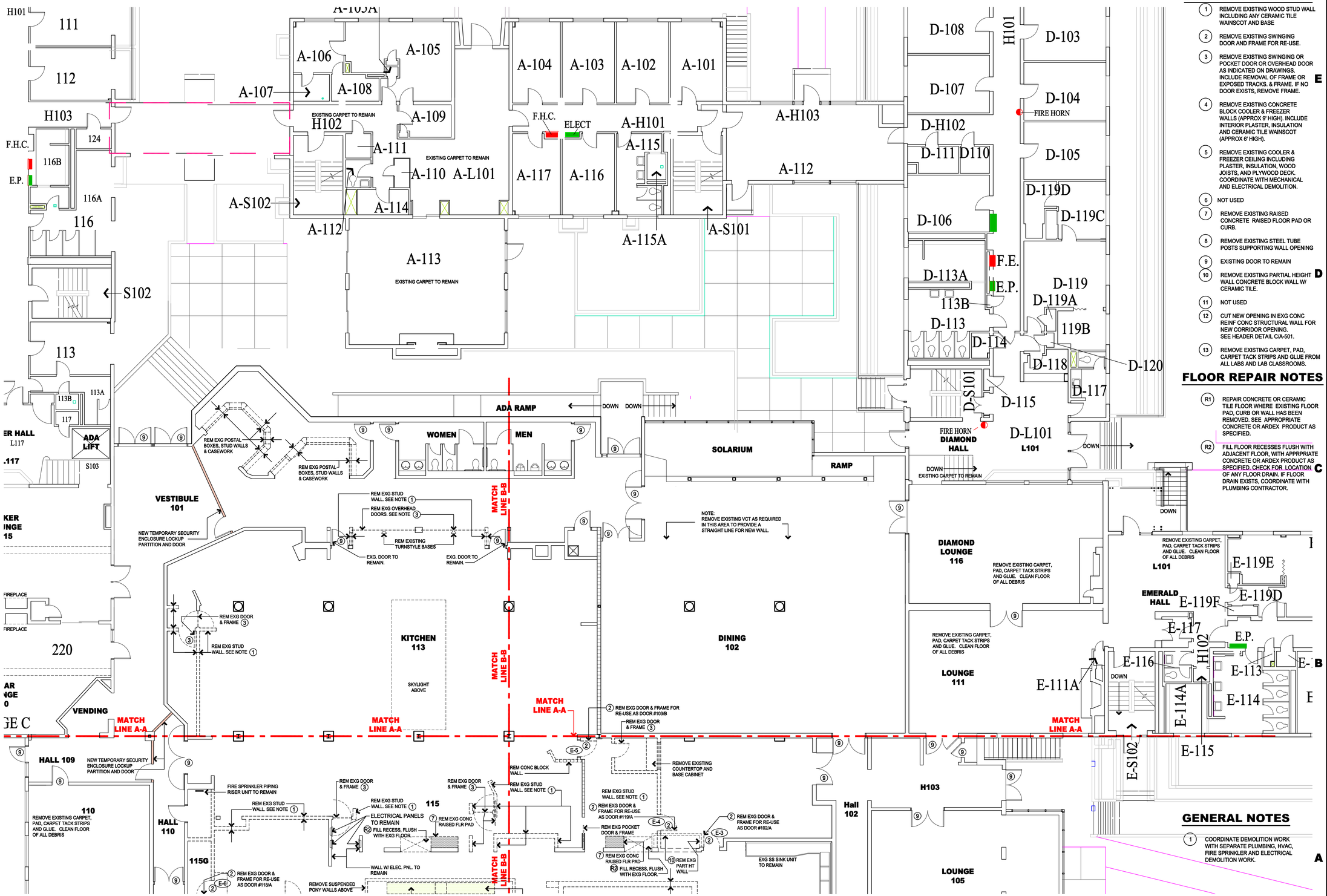

DEMOLITION NOTES

1. REMOVE EXISTING WOOD STUD WALL INCLUDING ANY CERAMIC TILE WAINSCOT AND BASE
2. REMOVE EXISTING SWINGING DOOR AND FRAME FOR RE-USE.
3. REMOVE EXISTING SWINGING OR POCKET DOOR OR OVERHEAD DOOR AS INDICATED ON DRAWINGS. INCLUDE REMOVAL OF FRAME OR EXPOSED TRACKS. & FRAME. IF NO DOOR EXISTS, REMOVE FRAME.
4. REMOVE EXISTING CONCRETE BLOCK COOLER & FREEZER WALLS (APPROX 9' HIGH). INCLUDE INTERIOR PLASTER, INSULATION AND CERAMIC TILE WAINSCOT (APPROX 6' HIGH).
5. REMOVE EXISTING COOLER & FREEZER CEILING INCLUDING PLASTER, INSULATION, WOOD JOISTS, AND PLYWOOD DECK. COORDINATE WITH MECHANICAL AND ELECTRICAL DEMOLITION.
6. NOT USED
7. REMOVE EXISTING RAISED CONCRETE RAISED FLOOR PAD OR CURB.
8. REMOVE EXISTING STEEL TUBE POSTS SUPPORTING WALL OPENING
9. EXISTING DOOR TO REMAIN
10. REMOVE EXISTING PARTIAL HEIGHT WALL CONCRETE BLOCK WALL W/ CERAMIC TILE.
11. NOT USED
12. CUT NEW OPENING IN EXG CONC REINF CONC STRUCTURAL WALL FOR NEW CORRIDOR OPENING. SEE HEADER DETAIL C/A-501.
13. REMOVE EXISTING CARPET, PAD, CARPET TACK STRIPS AND GLUE FROM ALL LABS AND LAB CLASSROOMS.

FLOOR REPAIR NOTES

R1. REPAIR CONCRETE OR CERAMIC TILE FLOOR WHERE EXISTING FLOOR PAD, CURB OR WALL HAS BEEN REMOVED. SEE APPROPRIATE CONCRETE OR ARDEX PRODUCT AS SPECIFIED.

R2. FILL FLOOR RECESSES FLUSH WITH ADJACENT FLOOR, WITH APPRPRIATE CONCRETE OR ARDEX PRODUCT AS SPECIFIED. CHECK FOR LOCATION OF ANY FLOOR DRAIN. IF FLOOR DRAIN EXISTS, COORDINATE WITH PLUMBING CONTRACTOR.

GENERAL NOTES

1. COORDINATE DEMOLITION WORK WITH SEPARATE PLUMBING, HVAC, FIRE SPRINKLER AND ELECTRICAL DEMOLITION WORK.

PARTIAL DEMOLITION PLAN - PART "A"

1/8" = 1'-0"

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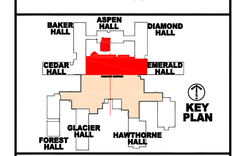

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PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-104
DRAWN BY:	WDR
CHECKED BY:	JN
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SHEET TITLE:
FIRST FLOOR DEMOLITION PLAN - PARTIAL "A"

A-104

SHEET 6 OF 18

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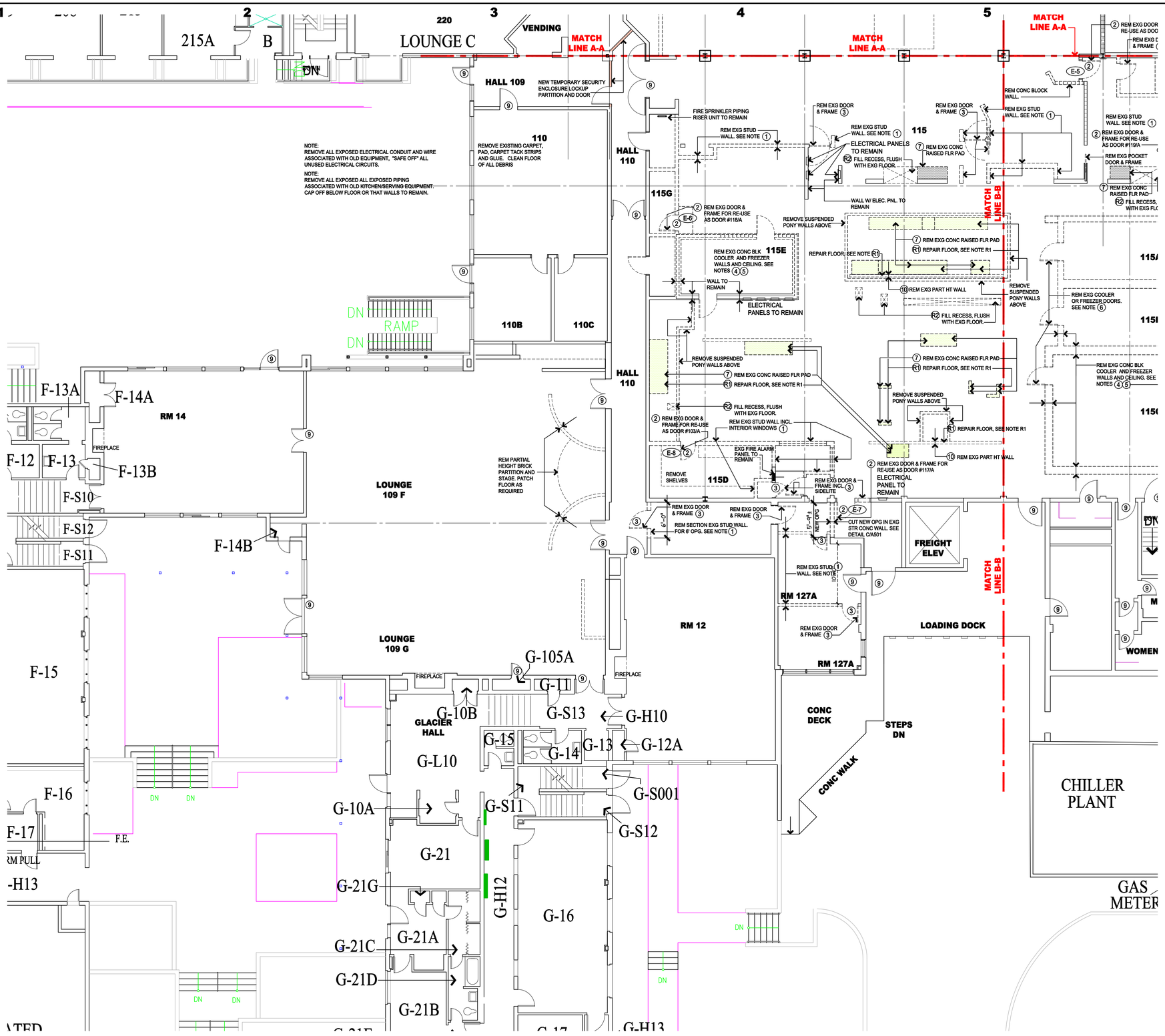

PARTIAL DEMOLITION PLAN - PART "B"

1/8" = 1'-0"

6 DEMOLITION NOTES

1. REMOVE EXISTING WOOD STUD WALL INCLUDING ANY CERAMIC TILE WAINSCOT AND BASE
2. REMOVE EXISTING SWINGING DOOR AND FRAME FOR RE-USE.
3. REMOVE EXISTING SWINGING OR POCKET DOOR OR OVERHEAD DOOR AS INDICATED ON DRAWINGS. INCLUDE REMOVAL OF FRAME OR EXPOSED TRACKS. & FRAME. IF NO DOOR EXISTS, REMOVE FRAME.
4. REMOVE EXISTING CONCRETE BLOCK COOLER & FREEZER WALLS (APPROX 9' HIGH). INCLUDE INTERIOR PLASTER, INSULATION AND CERAMIC TILE WAINSCOT (APPROX 6' HIGH).
5. REMOVE EXISTING COOLER & FREEZER CEILING INCLUDING PLASTER, INSULATION, WOOD JOISTS, AND PLYWOOD DECK. COORDINATE WITH MECHANICAL AND ELECTRICAL DEMOLITION.
6. NOT USED
7. REMOVE EXISTING RAISED CONCRETE RAISED FLOOR PAD OR CURB.
8. REMOVE EXISTING STEEL TUBE POSTS SUPPORTING WALL OPENING
9. EXISTING DOOR TO REMAIN
10. REMOVE EXISTING PARTIAL HEIGHT WALL CONCRETE BLOCK WALL W/ CERAMIC TILE.
11. NOT USED
12. CUT NEW OPENING IN EXG CONC REINF CONC STRUCTURAL WALL FOR NEW CORRIDOR OPENING. SEE HEADER DETAIL C/A-501.
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FLOOR REPAIR NOTES

FLOOR REPAIR NOTE

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GENERAL NOTES:

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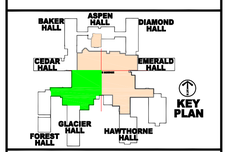

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PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-104
DRAWN BY:	WDR
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FIRST FLOOR DEMOLITION PLAN - PARTIAL "B"

A-105

SHEET 7 OF 18

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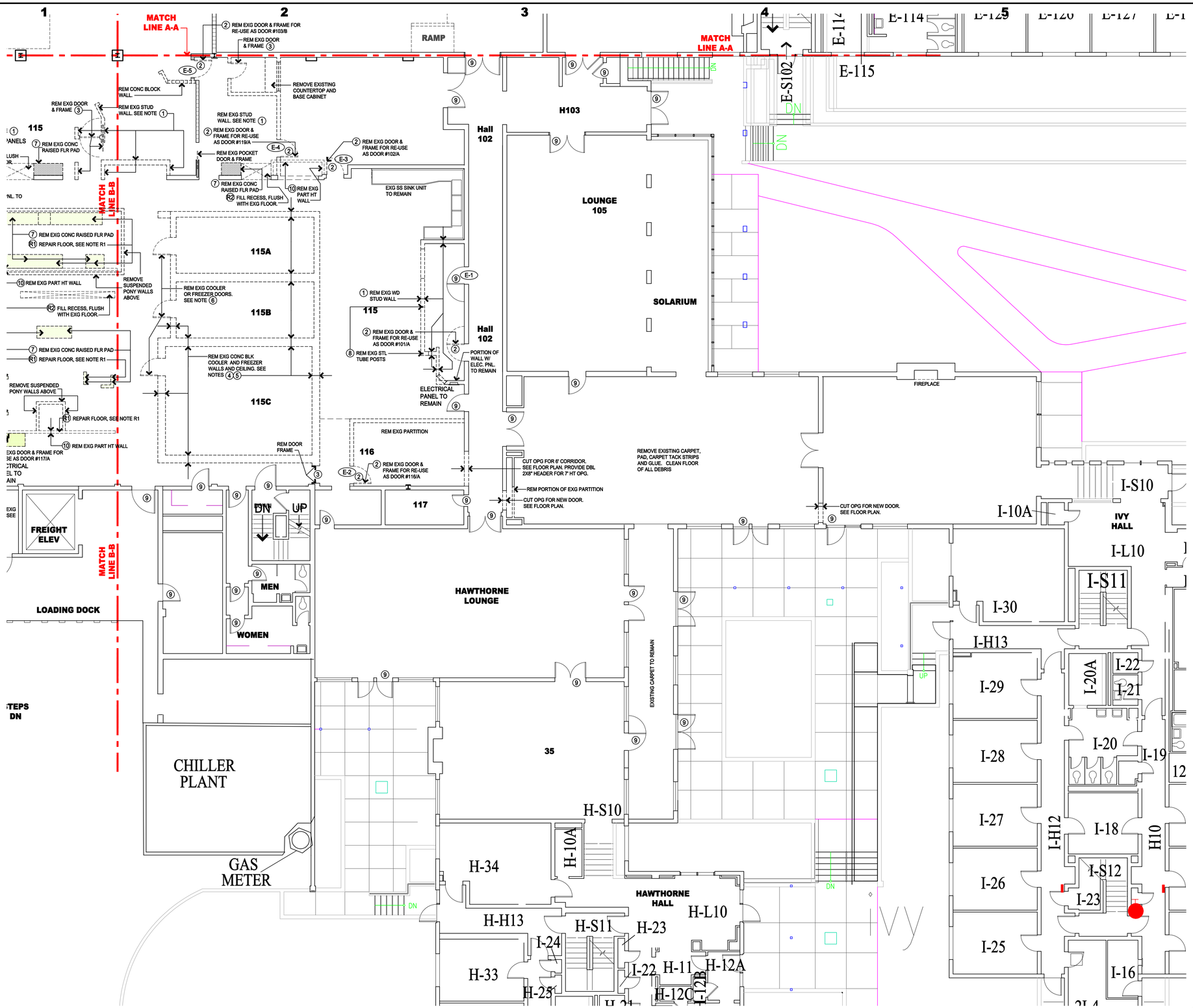

PARTIAL DEMOLITION PLAN - PART "C"

1/8" = 1'-0"

DEMOLITION NOTES

1. REMOVE EXISTING WOOD STUD WALL INCLUDING ANY CERAMIC TILE WAINSCOT AND BASE
2. REMOVE EXISTING SWINGING DOOR AND FRAME FOR RE-USE.
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6. NOT USED
7. REMOVE EXISTING RAISED CONCRETE RAISED FLOOR PAD OR CURB.
8. REMOVE EXISTING STEEL TUBE POSTS SUPPORTING WALL OPENING
9. EXISTING DOOR TO REMAIN
10. REMOVE EXISTING PARTIAL HEIGHT WALL CONCRETE BLOCK WALL W/ CERAMIC TILE.
11. NOT USED
12. CUT NEW OPENING IN EXG CONC REINF CONC STRUCTURAL WALL FOR NEW CORRIDOR OPENING. SEE HEADER DETAIL C/A-501.
13. REMOVE EXISTING CARPET, PAD, CARPET TACK STRIPS AND GLUE FROM ALL LABS AND LAB CLASSROOMS.

FLOOR REPAIR NOTES

- R1 REPAIR CONCRETE OR CERAMIC TILE FLOOR WHERE EXISTING FLOOR PAD, CURB OR WALL HAS BEEN REMOVED. SEE APPROPRIATE CONCRETE OR ARDEX PRODUCT AS SPECIFIED.
- R2 FILL FLOOR RECESSES FLUSH WITH ADJACENT FLOOR, WITH APPRPRIATE CONCRETE OR ARDEX PRODUCT AS SPECIFIED. CHECK FOR LOCATION OF ANY FLOOR DRAIN. IF FLOOR DRAIN EXISTS, COORDINATE WITH PLUMBING CONTRACTOR.

GENERAL NOTES

GENERAL NOTES:

1. COORDINATE DEMOLITION WORK WITH SEPARATE PLUMBING, HVAC, FIRE SPRINKLER AND ELECTRICAL DEMOLITION WORK.

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CONSULTANT:

STAMP:

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SOU Campus Ashland, Oregon

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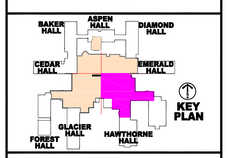

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CAD DWG FILE:	SOU-CAS-A-104
DRAWN BY:	WDR
CHECKED BY:	JN
PROJECT DATE:	26 NOV 2013

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SHEET TITLE:

FIRST FLOOR DEMOLITION PLAN - PARTIAL "C"

A-106

SHEET 8 OF 18

SOU Cascade Science Renovation

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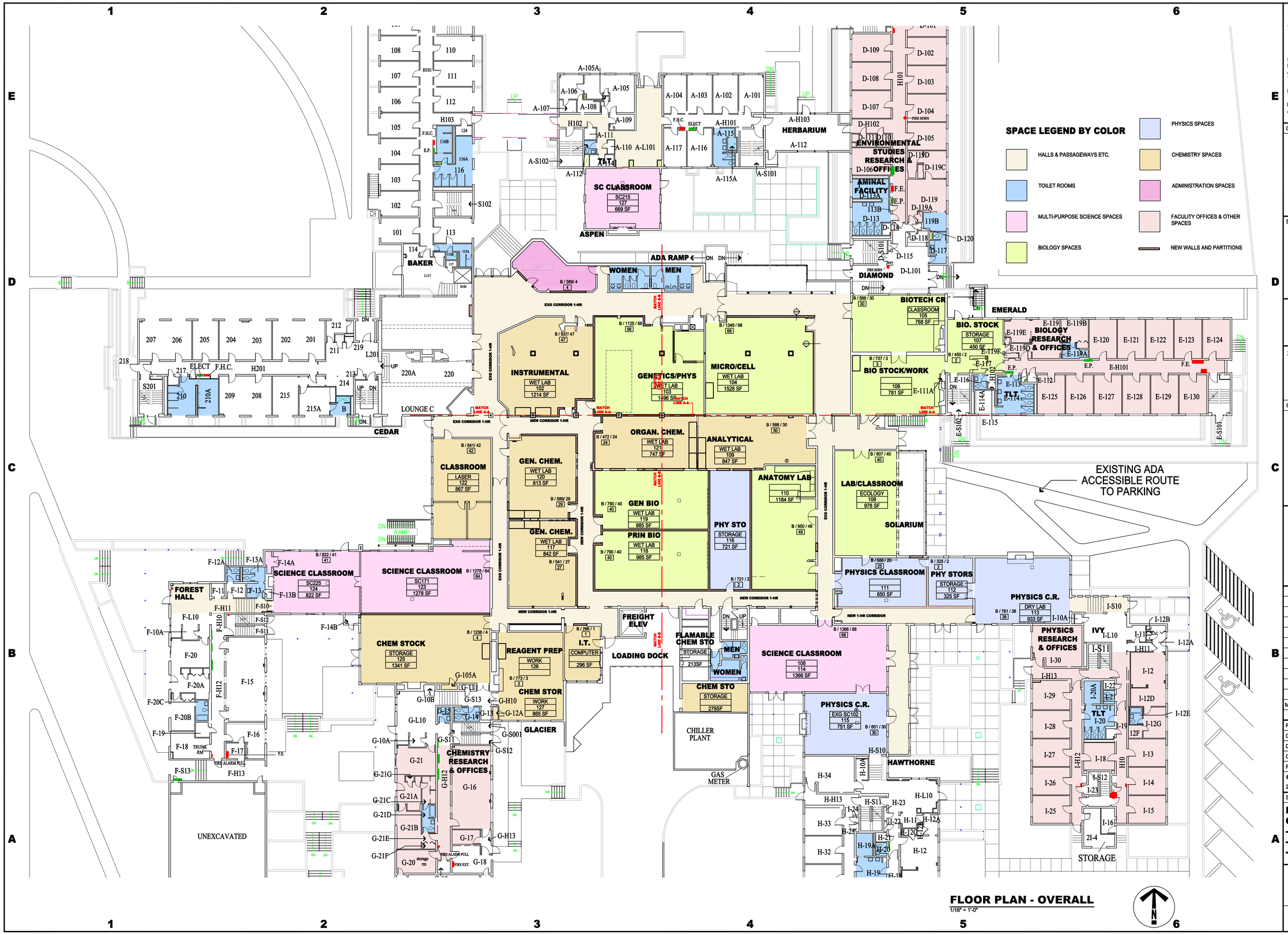

FLOOR PLAN - OVERALL

1/16" = 1'-0"

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1	07/10/2013	REVIEW SET

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SHEET TITLE:

FIRST FLOOR PLAN - OVERALL

A-107

SHEET 9 OF 18

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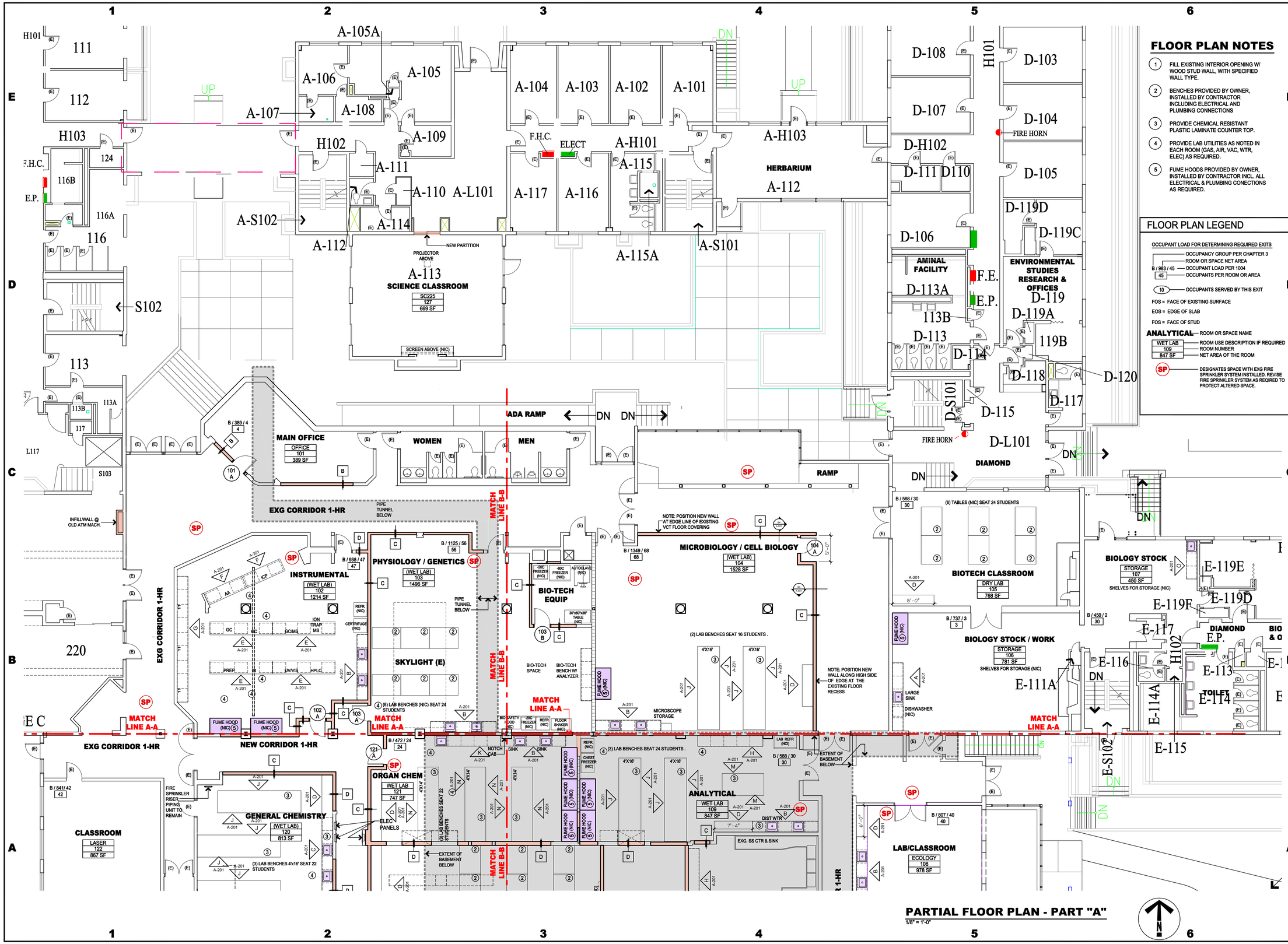

PARTIAL FLOOR PLAN - PART "A"

1/8" = 1'-0"

FLOOR PLAN NOTES

1. FILL EXISTING INTERIOR OPENING W/ WOOD STUD WALL, WITH SPECIFIED WALL TYPE.
2. BENCHES PROVIDED BY OWNER, INSTALLED BY CONTRACTOR INCLUDING ELECTRICAL AND PLUMBING CONNECTIONS
3. PROVIDE CHEMICAL RESISTANT PLASTIC LAMINATE COUNTER TOP.
4. PROVIDE LAB UTILITIES AS NOTED IN EACH ROOM (GAS, AIR, VAC, WTR, ELEC) AS REQUIRED.
5. FUME HOODS PROVIDED BY OWNER, INSTALLED BY CONTRACTOR INCL. ALL ELECTRICAL & PLUMBING CONECTIONS AS REQUIRED.

FLOOR PLAN LEGEND

OCCUPANT LOAD FOR DETERMINING REQUIRED EXITS

- OCCUPANCY GROUP PER CHAPTER 3
- B / 983 / 45 — ROOM OR SPACE NET AREA; OCCUPANT LOAD PER 1004
- 45 — OCCUPANTS PER ROOM OR AREA
- (10) — OCCUPANTS SERVED BY THIS EXIT

FOS = FACE OF EXISTING SURFACE

EOS = EDGE OF SLAB

FOS = FACE OF STUD

ANALYTICAL — ROOM OR SPACE NAME

- WET LAB — ROOM USE DESCRIPTION IF REQUIRED
- 109 — ROOM NUMBER
- 847 SF — NET AREA OF THE ROOM

(SP) — DESIGNATES SPACE WITH EXG FIRE SPRINKLER SYSTEM INSTALLED. REVISE FIRE SPRINKLER SYSTEM AS REQIRED TO PROTECT ALTERED SPACE.

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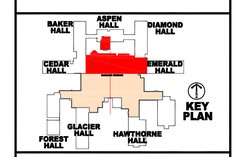

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1	07/10/2013	REVIEW SET

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SHEET TITLE:

FIRST FLOOR PLAN - PARTIAL "A"

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A-108

SHEET 10 OF 18

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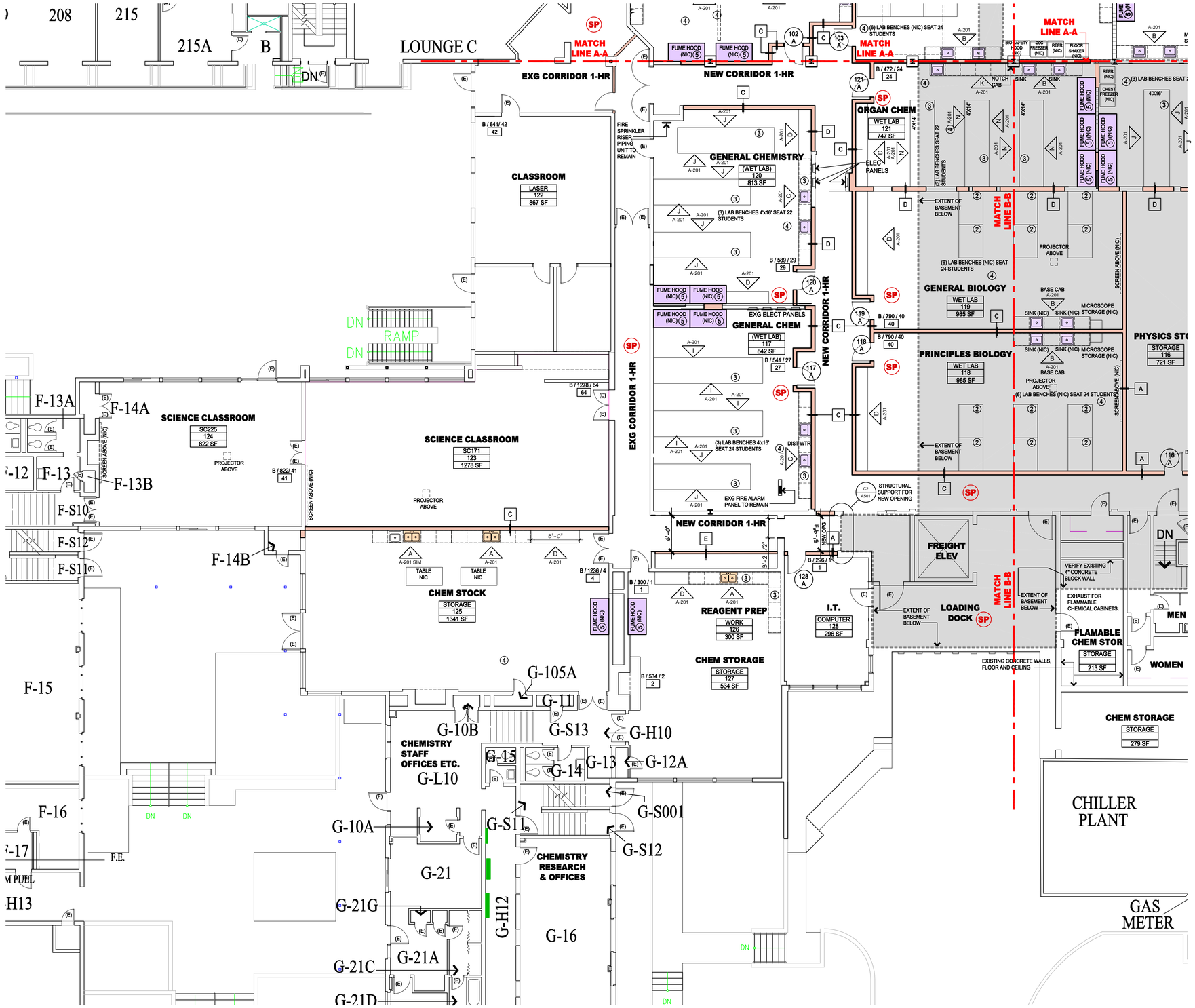

PARTIAL FLOOR PLAN - PART "B"

1/8" = 1'-0"

FLOOR PLAN NOTES

1. FILL EXISTING INTERIOR OPENING W/ WOOD STUD WALL, WITH SPECIFIED WALL TYPE.
2. BENCHES PROVIDED BY OWNER, INSTALLED BY CONTRACTOR INCLUDING ELECTRICAL AND PLUMBING CONNECTIONS
3. PROVIDE CHEMICAL RESISTANT PLASTIC LAMINATE COUNTER TOP.
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5. FUME HOODS PROVIDED BY OWNER, INSTALLED BY CONTRACTOR INCL. ALL ELECTRICAL & PLUMBING CONECTIONS AS REQUIRED.

FLOOR PLAN LEGEND

OCCUPANT LOAD FOR DETERMINING REQUIRED EXITS

- OCCUPANCY GROUP PER CHAPTER 3
- ROOM OR SPACE NET AREA
- B / 983 / 45 — OCCUPANT LOAD PER 1004
- 45 — OCCUPANTS PER ROOM OR AREA
- 10 — OCCUPANTS SERVED BY THIS EXIT

FOS = FACE OF EXISTING SURFACE

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ANALYTICAL — ROOM OR SPACE NAME

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- 109 — ROOM NUMBER
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SP — DESIGNATES SPACE WITH EXG FIRE SPRINKLER SYSTEM INSTALLED. REVISE FIRE SPRINKLER SYSTEM AS REQIRED TO PROTECT ALTERED SPACE.

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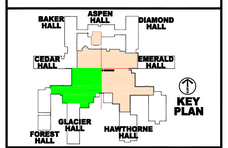

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PROJECT CODE:	SOU-CAS-2013
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CHECKED BY:	JN
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SHEET TITLE:

FIRST FLOOR PLAN - PARTIAL PART "B"'

A-109

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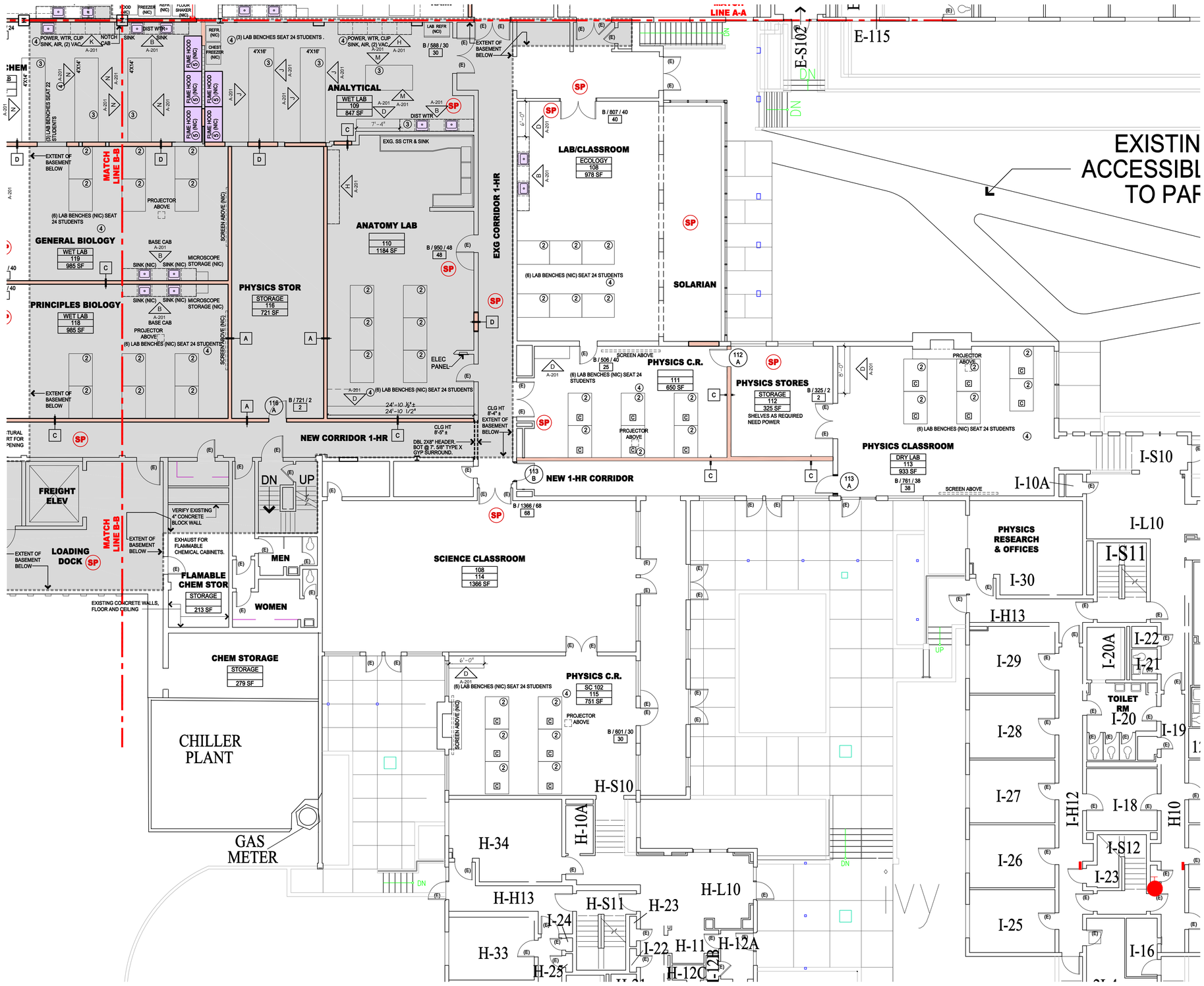

PARTIAL FLOOR PLAN - PART "C"

1/8" = 1'-0"

FLOOR PLAN NOTES

1. FILL EXISTING INTERIOR OPENING W/ WOOD STUD WALL, WITH SPECIFIED WALL TYPE.
2. BENCHES PROVIDED BY OWNER, INSTALLED BY CONTRACTOR INCLUDING ELECTRICAL AND PLUMBING CONNECTIONS
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FLOOR PLAN LEGEND

OCCUPANT LOAD FOR DETERMINING REQUIRED EXITS

- OCCUPANCY GROUP PER CHAPTER 3
- ROOM OR SPACE NET AREA
- B / 983 / 45 — OCCUPANT LOAD PER 1004
- 45 — OCCUPANTS PER ROOM OR AREA
- 10 — OCCUPANTS SERVED BY THIS EXIT

FOS = FACE OF EXISTING SURFACE

EOS = EDGE OF SLAB

FOS = FACE OF STUD

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- 109 — ROOM NUMBER
- 847 SF — NET AREA OF THE ROOM

SP — DESIGNATES SPACE WITH EXG FIRE SPRINKLER SYSTEM INSTALLED. REVISE FIRE SPRINKLER SYSTEM AS REQIRED TO PROTECT ALTERED SPACE.

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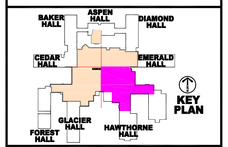

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SHEET TITLE:

FIRST FLOOR PLAN - PARTIAL PART "C"

A-110

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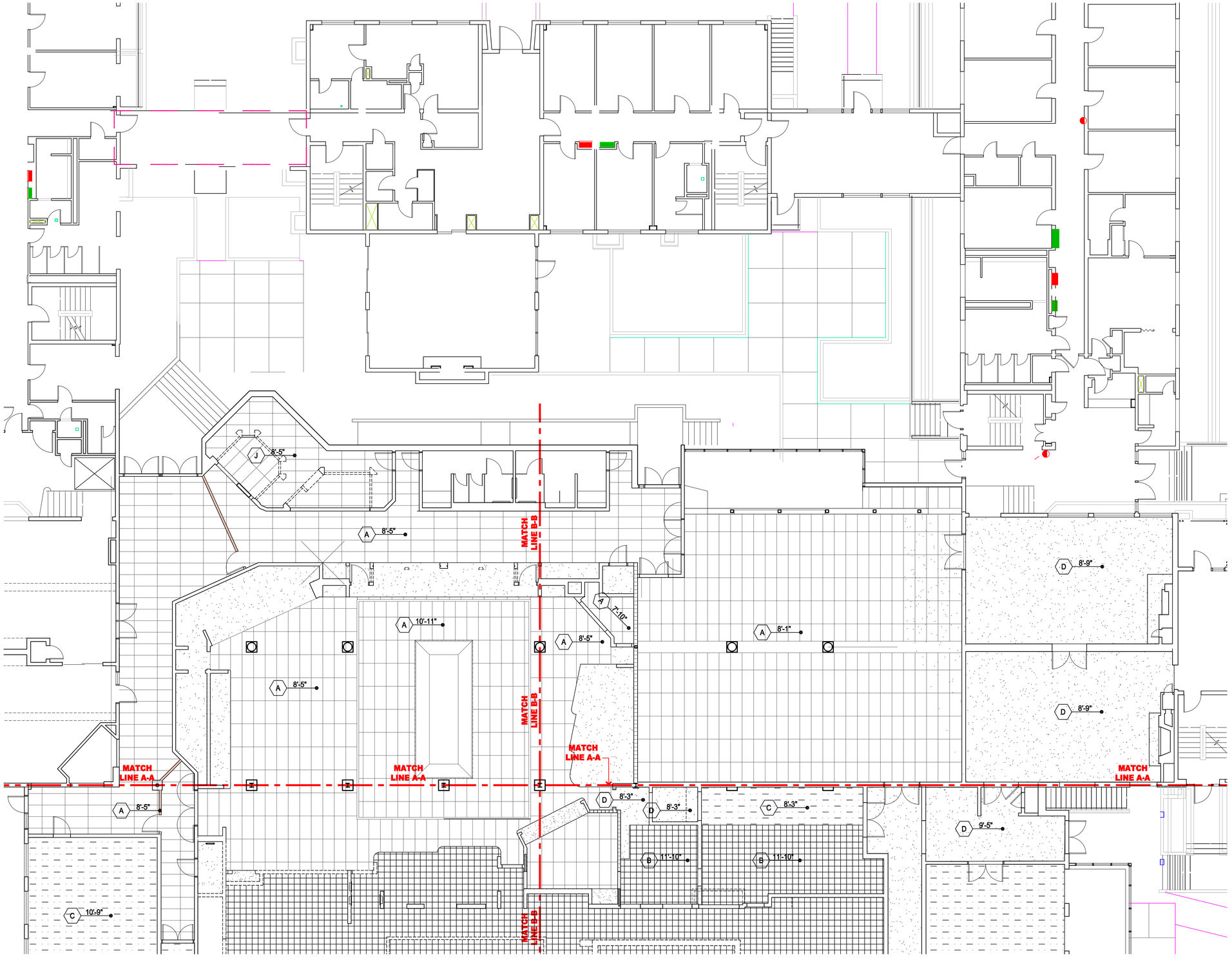

FIRST FLOOR CEILING PLAN PART "A"

1/8" = 1'-0"

CEILING NOTES

1. FOR ACOUSTICAL AND DRYWALL SUSPENDED CEILINGS, INSTALLATION SHALL BE IN ACCORDANCE WITH **NORTHWEST WALL AND CEILING BUREAU - TECHNICAL BULLETIN 401 OREGON** (NWCB TB 401OR). REFER TO DETAIL(S).
2. IF CEILING DIFFUSERS, LIGHT FIXTURES OR OTHER ELEMENTS ON OR ABOVE THE CEILING CANNOT BE LOCATED AS SHOWN, REPORT SUCH CONFLICTS IMMEDIATELY TO ARCHITECT PRIOR TO COMMENCING WITH CONSTRUCTION.
3. LOCATE ALL CEILING ELEMENTS, EXIT LIGHTS, SPRINKLER HEADS, ETC. IN THE CENTER OF THE CEILING TILE MODULE UNLESS OTHERWISE NOTED.
4. CEILING HEIGHTS ARE FINISH HEIGHTS.
5. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES, CIRCUITING & SWITCHING.
6. COORDINATE CEILING WORK WITH MECH. & ELECT. CONTRACTORS. REPLACEMENT IS REQUIRED WHERE CEILINGS ARE REMOVED FOR NEW WORK.
7. SEE DETAIL D2 / A501 FOR SUSPENDED CEILING ANCHORAGE AND BRACING.
8. WHEN AN EXISTING WALL IS DEMOED AND IT LEAVES A VOID TO THE ATTIC SPACE, PATCH CEILING TO FILL VOID WITH ⅝ TYPE 'X' GYP DOARD AS REQUIRED
9. SEE DETAIL B2 / A501 FOR ATTACHMENT OF ANY NEW WALL TO EXISTING CEILING

CEILING LEGEND

A 10'-0" — CEILING HEIGHT; CEILING MATERIAL, SEE BELOW

- (A) EXISTING LAY-IN ACCOUSTICAL PANEL & T-BAR CEILING TO REMAIN
- (B) EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING WITH ACCOUSTICAL TILE ATTACHED AND TO REMAIN
- (C) EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING WITH TECTUM ACCOUSTICAL PANELS ATTACHED AND TO REMAIN
- (D) EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING TO REMAIN
- (E) EXISTING LAY-IN ACCOUSTICAL PANEL & T-BAR CEILING TO BE REMOVED
- (F) EXISTING 2 X 2 CONCRETE WAFFLE SLAB TO REMAIN
- (G) REMOVE EXISTING CEILING AND WOOD CEILING JOIST. INSTALL NEW CEILING JOIST AND ⅝" TYPE 'X' GYP CEILING.
- (H) REMOVE EXISTING CEILING AND WOOD CEILING JOIST. INSTALL NEW 2' X 4' LAYIN SUSPENDED ACOUSTICAL CEILING
- (I) REMOVE EXISTING CEILING
- (J) REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING AND INSTALL NEW SUSPENDED ACOUSTICAL CEILING

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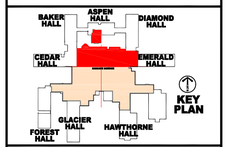

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CHECKED BY:	JN
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1st FLOOR CEILING PLAN PARTIAL "A"

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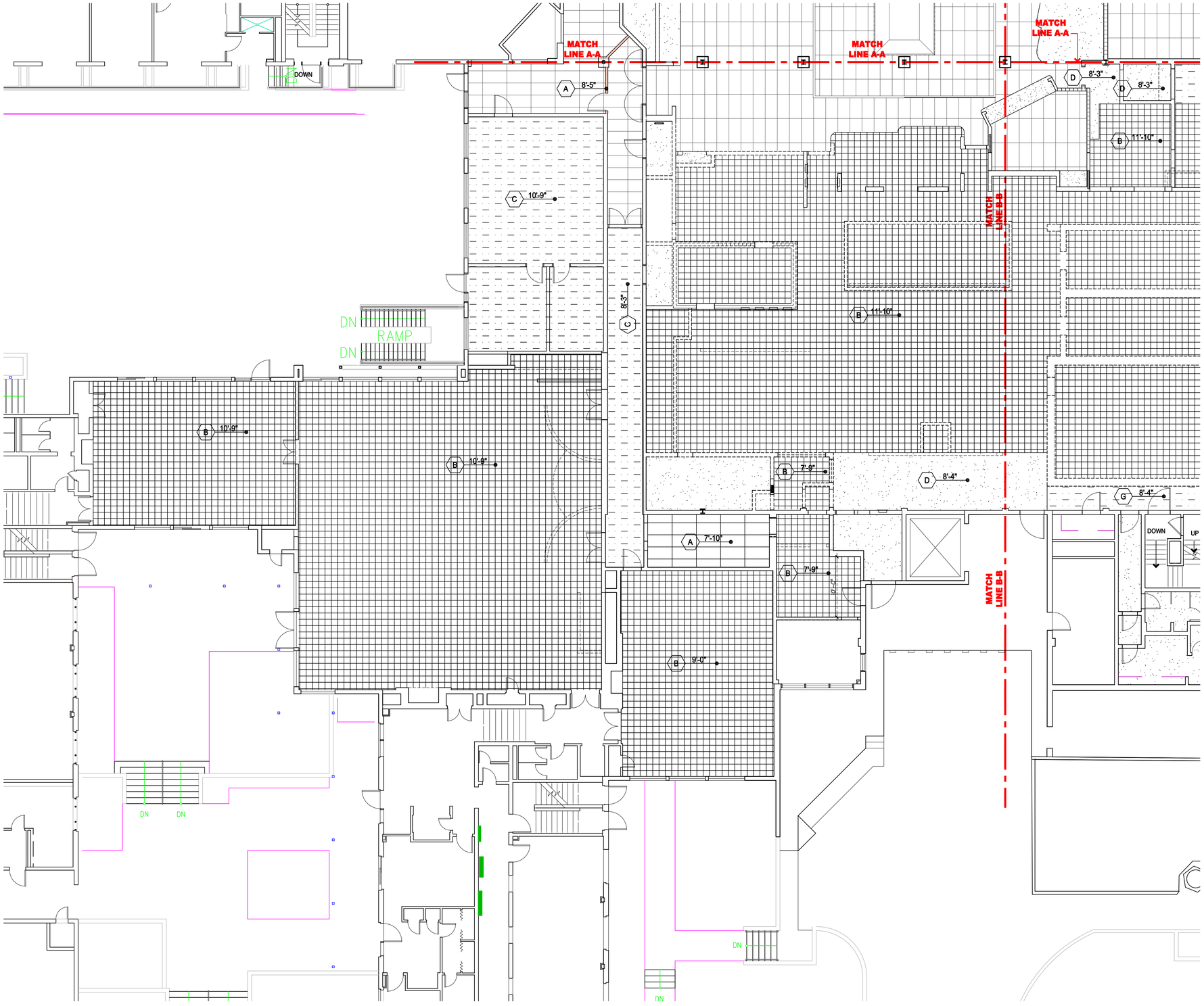

CEILING NOTES

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3. LOCATE ALL CEILING ELEMENTS, EXIT LIGHTS, SPRINKLER HEADS, ETC. IN THE CENTER OF THE CEILING TILE MODULE UNLESS OTHERWISE NOTED.
4. CEILING HEIGHTS ARE FINISH HEIGHTS.
5. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES, CIRCUITING & SWITCHING.
6. COORDINATE CEILING WORK WITH MECH. & ELECT. CONTRACTORS. REPLACEMENT IS REQUIRED WHERE CEILINGS ARE REMOVED FOR NEW WORK.
7. SEE DETAIL D2 / A501 FOR SUSPENDED CEILING ANCHORAGE AND BRACING.
8. WHEN AN EXISTING WALL IS DEMOED AND IT LEAVES A VOID TO THE ATTIC SPACE, PATCH CEILING TO FILL VOID WITH ⅝ TYPE 'X' GYP DOARD AS REQUIRED
9. SEE DETAIL B2 / A501 FOR ATTACHMENT OF ANY NEW WALL TO EXISTING CEILING

CEILING LEGEND

A 10'-0" — CEILING HEIGHT; CEILING MATERIAL, SEE BELOW

- A — EXISTING LAY-IN ACCOUSTICAL PANEL & T-BAR CEILING TO REMAIN
- B — EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING WITH ACCOUSTICAL TILE ATTACHED AND TO REMAIN
- C — EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING WITH TECTUM ACCOUSTICAL PANELS ATTACHED AND TO REMAIN
- D — EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING TO REMAIN
- E — EXISTING LAY-IN ACCOUSTICAL PANEL & T-BAR CEILING TO BE REMOVED
- F — EXISTING 2 X 2 CONCRETE WAFFLE SLAB TO REMAIN
- G — REMOVE EXISTING CEILING AND WOOD CEILING JOIST. INSTALL NEW CEILING JOIST AND ⅝" TYPE 'X' GYP CEILING.
- H — REMOVE EXISTING CEILING AND WOOD CEILING JOIST. INSTALL NEW 2' X 4' LAYIN SUSPENDED ACOUSTICAL CEILING
- I — REMOVE EXISTING CEILING
- J — REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING AND INSTALL NEW SUSPENDED ACOUSTICAL CEILING

FIRST FLOOR CEILING PLAN PART "B"

1/8" = 1'-0"

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Renovations

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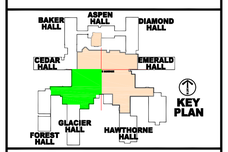

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3	08/01/2013	FINAL REVIEW SET
2	07/25/2013	REVIEW SET 2
1	07/10/2013	REVIEW SET

PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-111.DWG
DRAWN BY:	WDR
CHECKED BY:	JN
PROJECT DATE:	26 NOV 2013

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SHEET TITLE:

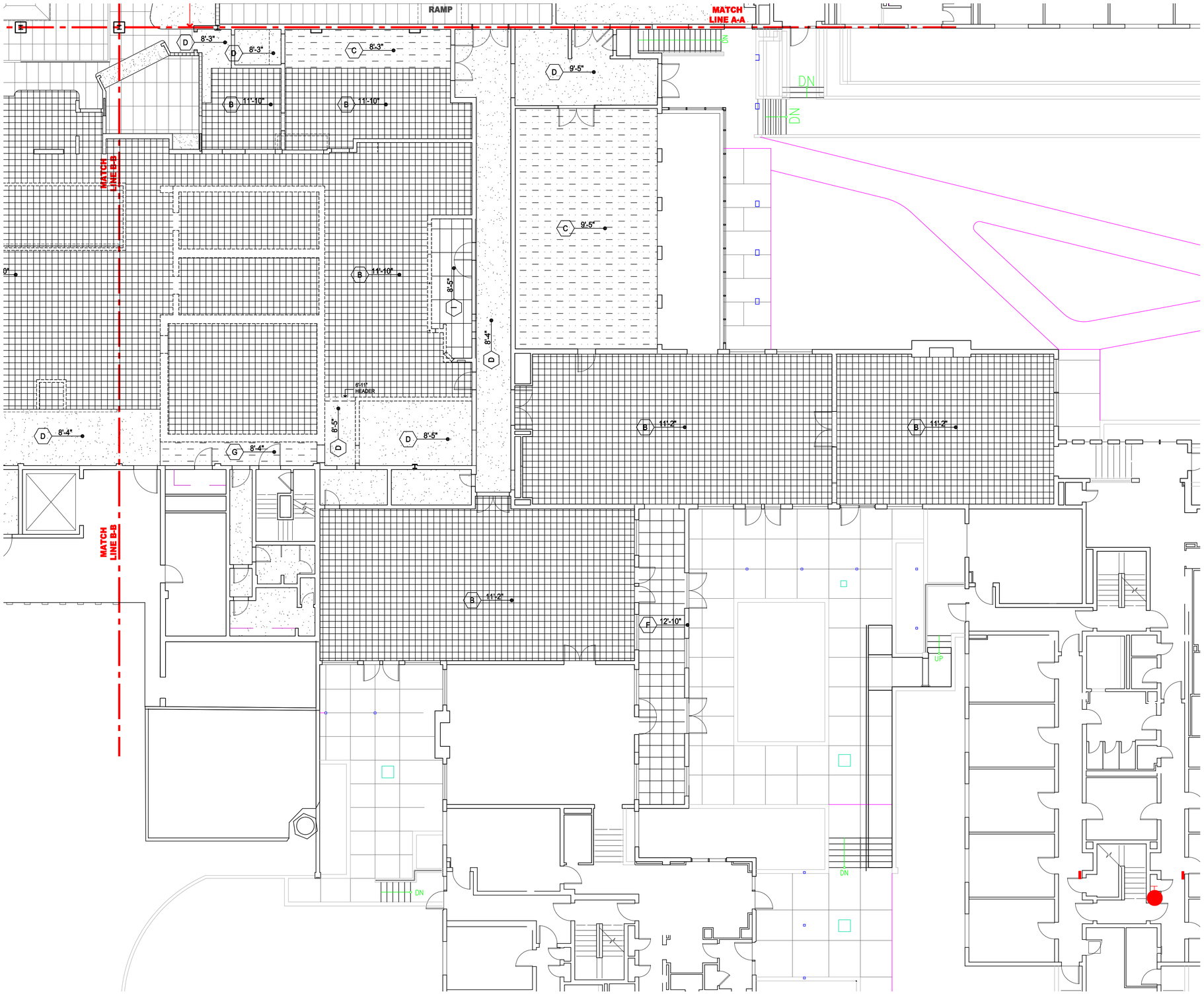
1st FLOOR CEILING PLAN PARTIAL "B"

A-112

SHEET 14 OF 18

SOU Cascade Science Renovation

\\adwserv01\adw data\adw projects\sou cascade hall renovations\drawings\1- current drawings\sou cascade hall renovation\Sheets\SOU-CAS-A-111 (CP-A).dwg, 11/27/2013 6:01:57 PM



FIRST FLOOR CEILING PLAN PART "C"

1/8" = 1'-0"

CEILING NOTES

1. FOR ACOUSTICAL AND DRYWALL SUSPENDED CEILINGS, INSTALLATION SHALL BE IN ACCORDANCE WITH **NORTHWEST WALL AND CEILING BUREAU - TECHNICAL BULLETIN 401 OREGON** (NWCB TB 401OR). REFER TO DETAIL(S).
2. IF CEILING DIFFUSERS, LIGHT FIXTURES OR OTHER ELEMENTS ON OR ABOVE THE CEILING CANNOT BE LOCATED AS SHOWN, REPORT SUCH CONFLICTS IMMEDIATELY TO ARCHITECT PRIOR TO COMMENCING WITH CONSTRUCTION.
3. LOCATE ALL CEILING ELEMENTS, EXIT LIGHTS, SPRINKLER HEADS, ETC. IN THE CENTER OF THE CEILING TILE MODULE UNLESS OTHERWISE NOTED.
4. CEILING HEIGHTS ARE FINISH HEIGHTS.
5. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES, CIRCUITING & SWITCHING.
6. COORDINATE CEILING WORK WITH MECH. & ELECT. CONTRACTORS. REPLACEMENT IS REQUIRED WHERE CEILINGS ARE REMOVED FOR NEW WORK.
7. SEE DETAIL D2 / A501 FOR SUSPENDED CEILING ANCHORAGE AND BRACING.
8. WHEN AN EXISTING WALL IS DEMOED AND IT LEAVES A VOID TO THE ATTIC SPACE, PATCH CEILING TO FILL VOID WITH ⅝ TYPE 'X' GYP DOARD AS REQUIRED
9. SEE DETAIL B2 / A501 FOR ATTACHMENT OF ANY NEW WALL TO EXISTING CEILING

CEILING LEGEND

A — 10'-0" — CEILING HEIGHT; CEILING MATERIAL, SEE BELOW

- (A) EXISTING LAY-IN ACCOUSTICAL PANEL & T-BAR CEILING TO REMAIN
- (B) EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING WITH ACCOUSTICAL TILE ATTACHED AND TO REMAIN
- (C) EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING WITH TECTUM ACCOUSTICAL PANELS ATTACHED AND TO REMAIN
- (D) EXISTING SUSPENDED WOOD JOIST W/ PLASTER CEILING TO REMAIN
- (E) EXISTING LAY-IN ACCOUSTICAL PANEL & T-BAR CEILING TO BE REMOVED
- (F) EXISTING 2 X 2 CONCRETE WAFFLE SLAB TO REMAIN
- (G) REMOVE EXISTING CEILING AND WOOD CEILING JOIST. INSTALL NEW CEILING JOIST AND ⅝" TYPE 'X' GYP CEILING.
- (H) REMOVE EXISTING CEILING AND WOOD CEILING JOIST. INSTALL NEW 2' X 4' LAYIN SUSPENDED ACOUSTICAL CEILING
- (I) REMOVE EXISTING CEILING
- (J) REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING AND INSTALL NEW SUSPENDED ACOUSTICAL CEILING

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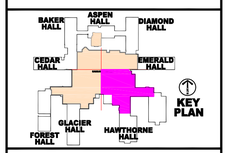

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PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-111.DWG
DRAWN BY:	WDR
CHECKED BY:	JN
PROJECT DATE:	26 NOV 2013

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SHEET TITLE:

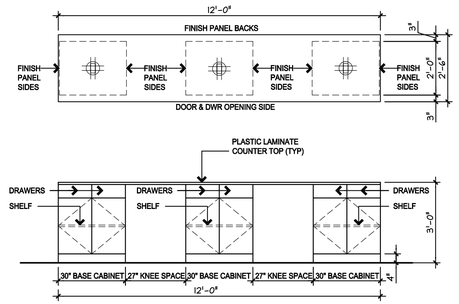
1st FLOOR CEILING PLAN PARTIAL "C"

A-113

SHEET 15 OF 18

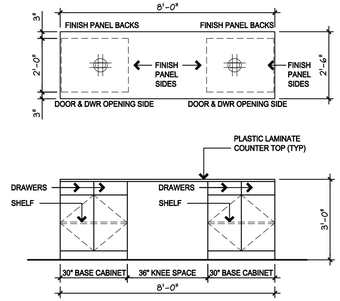
SOU Cascade Science Renovation

\\adwserv01\adw data\adw projects\sou cascade hall renovations\drawings\1- current drawings\sou cascade hall renovation\Sheets\SOU-CAS-A-111 (CP-A).dwg, 11/27/2013 5:58:51 PM



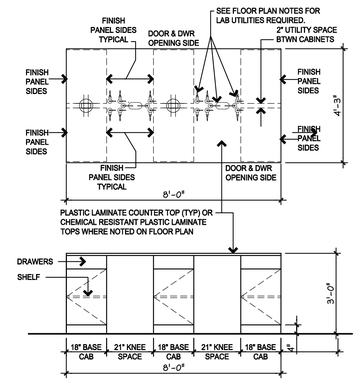
TYPICAL ISLAND BASE CABINET "E"

3/8" = 1'-0"



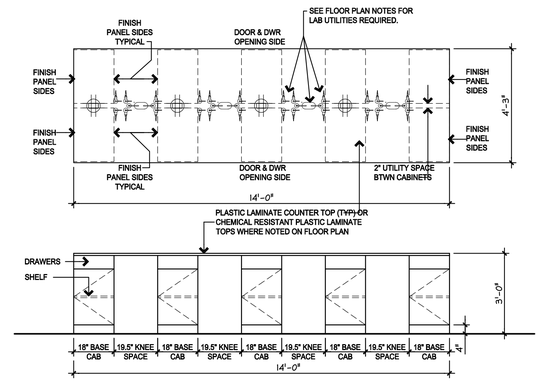
TYPICAL ISLAND BASE CABINET "F"

3/8" = 1'-0"



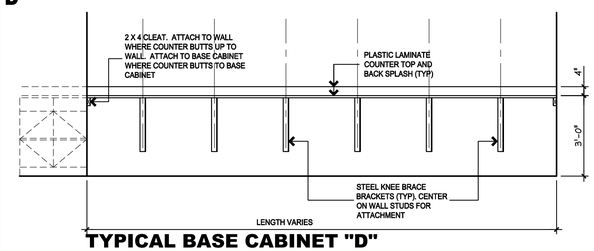
TYPICAL ISLAND BASE CABINET "M"

3/8" = 1'-0"



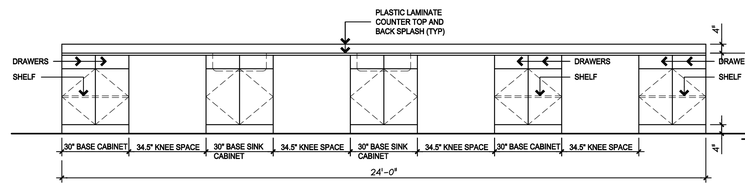
TYPICAL ISLAND BASE CABINET "N"

3/8" = 1'-0"



TYPICAL BASE CABINET "D"

3/8" = 1'-0"



TYPICAL BASE CABINET "G"

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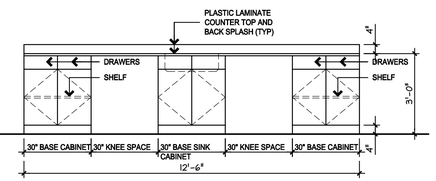

TYPICAL BASE CABINET "L"

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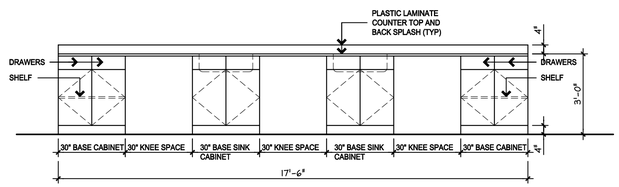
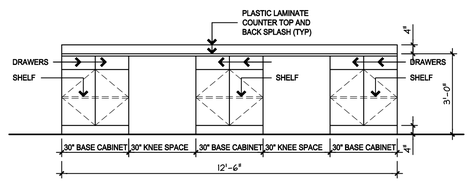


TYPICAL BASE CABINET "C"

3/8" = 1'-0"



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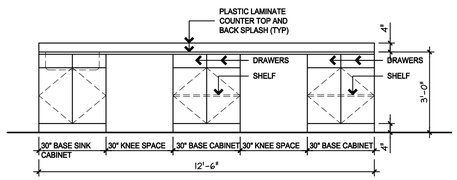
3/8" = 1'-0"



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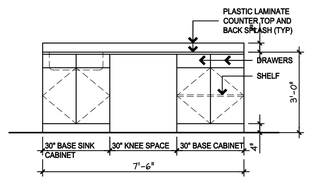

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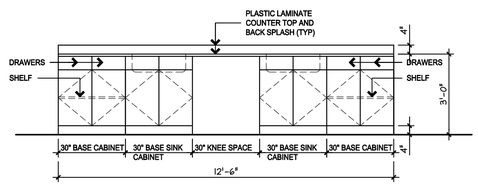

TYPICAL BASE CABINET "B"

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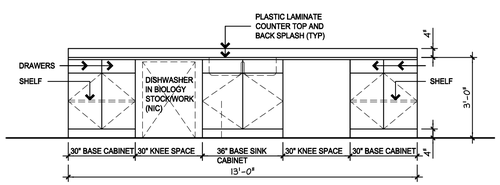
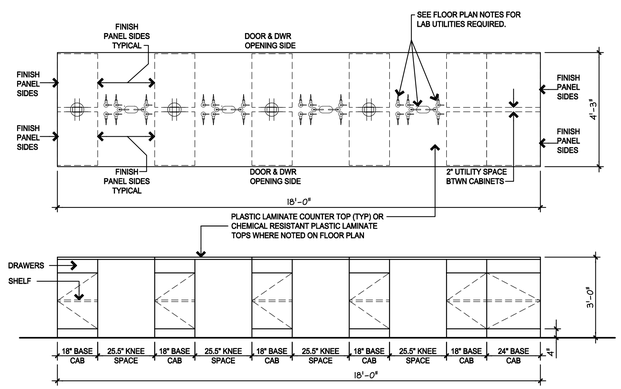


TYPICAL BASE CABINET "A"

3/8" = 1'-0"



TYPICAL ISLAND BASE CABINET "I"

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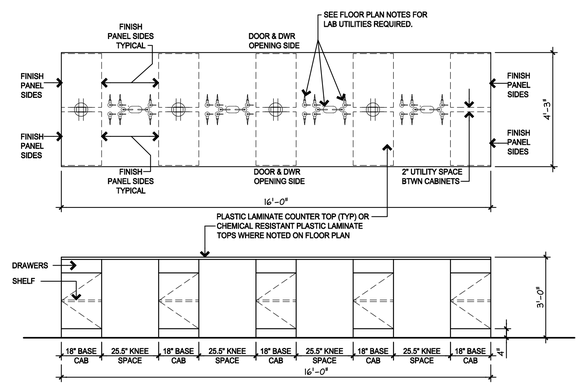

TYPICAL ISLAND BASE CABINET "J"

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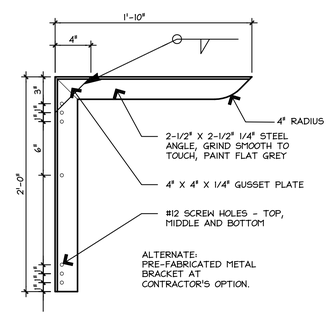

STEEL KNEE BRACE BRACKET

1-1/2" = 1'-0"

DETAILS

SCALE AS SHOWN

INTERIOR ELEVATIONS

3/8" = 1'-0"

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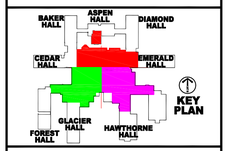

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PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-201 (IE)
DRAWN BY:	WDR
CHECKED BY:	JN
PROJECT DATE:	26 NOV 2013

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SHEET TITLE:

INTERIOR ELEVATIONS

A-201

SHEET 16 OF 18

SOU Cascade Science Renovation

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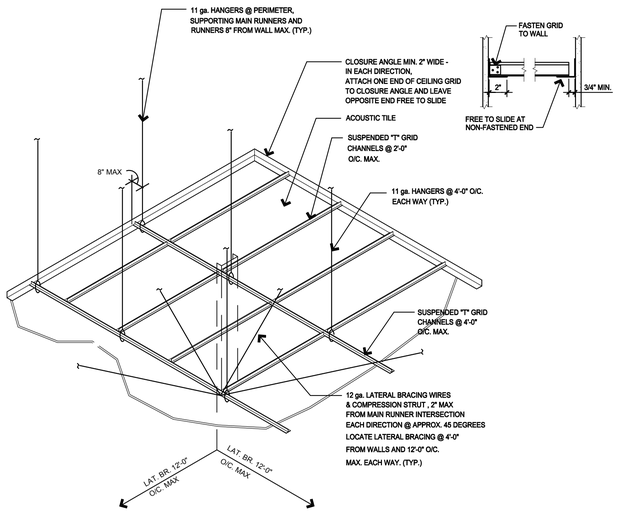
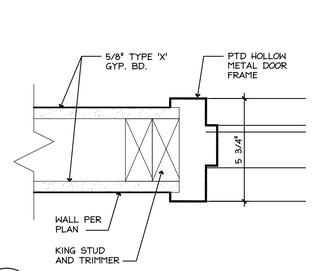
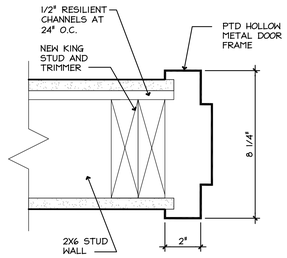


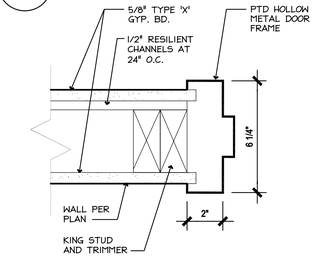
D-2 / A-501 TYPICAL SUSPENDED CEILING BRACING
NO SCALE



E-4 / A-501 JAMB @ 3-1/2" PARTITION
3" = 1'-0"



E-5 / A-501 JAMB @ 5-1/2" SOUND PTN
3" = 1'-0"



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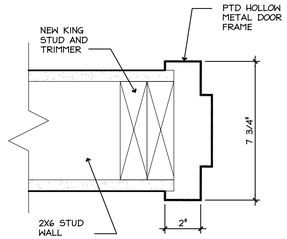
3" = 1'-0"



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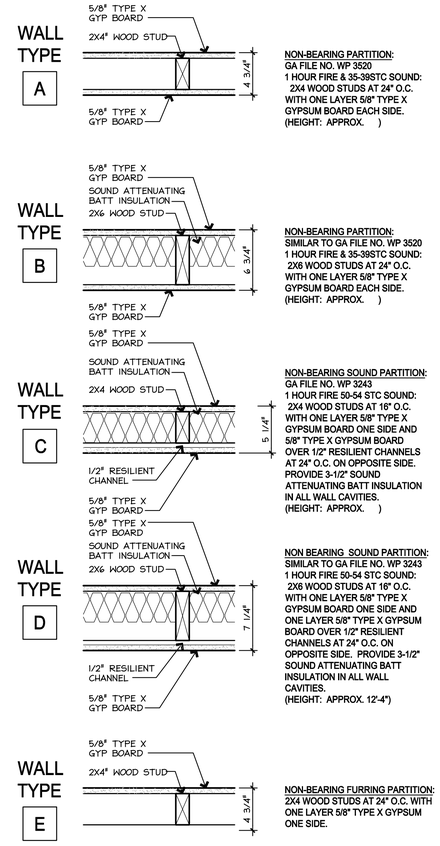
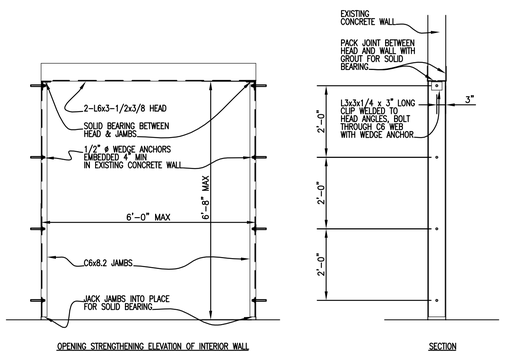
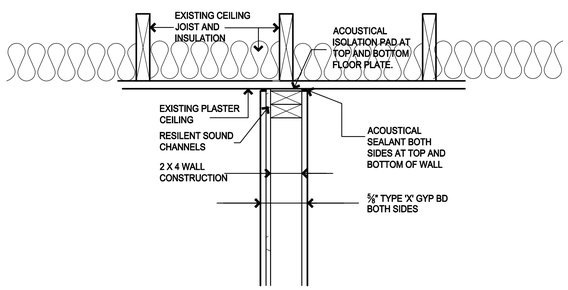
3" = 1'-0"



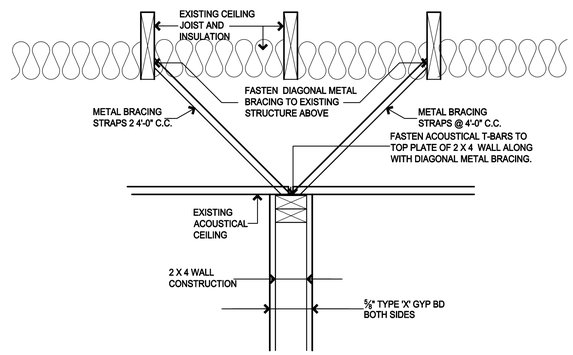
PARTITION TYPES
1-1/2" = 1'-0"



C-2 / A-501 STRUCTURAL SUPPORT DETAIL - NEW OPG IN EXG CONCRETE WALL
3/4" = 1'-0"



B-2 / A-501 TYPICAL WALL CEILING CONNECTION
1-1/2" = 1'-0"



B-4 / A-501 TYPICAL WALL SUSPENDED CEILING CONNECTION
1-1/2" = 1'-0"

DETAILS
AS SHOWN

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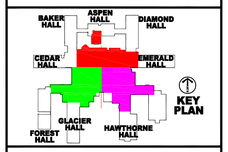

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3	08/01/2013	FINAL REVIEW SET
2	07/25/2013	REVIEW SET 2
1	07/10/2013	REVIEW SET

PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-501 (DT)
DRAWN BY:	WDR
CHECKED BY:	JN
PROJECT DATE:	26 NOV 2013

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SHEET TITLE:
DETAILS
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A-501
SHEET 17 OF 18
SOU Cascade Science Renovation

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DOOR AND FRAME SCHEDULE

DOOR NO.	EXG DOOR NO.	DOOR TYPE	DOOR SIZE WIDTH	DOOR SIZE HT	DOOR SIZE THK	DOOR MATL	DOOR FIN	DOOR GLAZING SIZE	DOOR GLAZING TYPE	DOOR LOUVER WD	DOOR LOUVER HT	FRAME TYPE	FRAME FIN.	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	FIRE RATING LABEL	PANIC HDWR	CLOSER	HDWR SET #	NOTES
101A	E-1	RE-USE EXG B	3'-0"	6'-8"	1 3/4	HM	PTD	EXG	WIRE	--	--	1	PTD	--	D-5/A-501	--	20 MIM	ADD NEW	EXG	--	VERIFY EXG FR WD, DR 2 GL PNLS
102A	E-3	RE-USE EXG C	3'-0"	6'-8"	1 3/4	HM	PTD	NAR	WIRE	--	--	1	PTD	--	D-4/A-501	--	20 MIM	EXG	EXG	--	VERIFY EXG FRAME WIDTH
103A	E-8	RE-USE EXG C	3'-0"	6'-8"	1 3/4	SCWD	PTD	--	--	--	--	1	PDT	--	D-4/A-501	--	60 MIM	ADD NEW	ADD NEW	--	VERIFY EXG FRAME WIDTH
103B	E-5	RE-USE EXG C	3'-0"	6'-8"	1 3/4	HM	PTD	SQR	--	--	--	1	PDT	--	D-4/A-501	--	---	--	--	--	VERIFY EXG FRAME WIDTH
104A		A	3'-0"	7'-0"	1 3/4	SCWD	PTD	---	---	--	--	2	PTD	--	D-4/A-501	--	20 MIM	YES	YES	--	---
112A		A	3'-0"	7'-0"	1 3/4	SCWD	PTD	--	--	--	--	2	PDT	--	D-4/A-501	--	20 MIM	--	YES	--	---
113A	E-2	RE-USE EXG C	3'-0"	7'-0"	1 3/4	SCWD	PTD	--	--	--	--	1	PDT	--	D-5/A-501	--	90 MIM	--	ADD NEW	--	VERIFY EXG FRAME WIDTH
113B		A	3'-0"	7'-0"	1 3/4	SCWD	PTD	--	--	--	--	2	PTD	--	D-4/A-501	--	20 MIM	YES	YES	--	
116A		A	3'-0"	7'-0"	1 3/4	SCWD	PTD	--	--	--	--	1	PDT	--	D-4/A-501	--	20 MIM	--	YES	--	
117A	E-7	RE-USE EXG D	3'-0"	6'-8"	1 3/4	SCWD	PTD	HALF	WIRE	--	--	1	PTD	--	D-4/A-501	--	20 MIM	--	ADD NEW	--	VERIFY EXG FRAME WIDTH
118A	E-6	RE-USE EXG C	3'-0"	7'-0"	1 3/4	HM	PTD	--	--	--	--	1	--	--	D-4/A-501	--	20 MIM	--	EXG	--	VERIFY EXG FRAME WIDTH
119A	E-4	RE-USE EXG C	3'-0"	6'-8"	1 3/4	SCWD	PTD	NAR	--	--	--	KD	--	--	D-4/A-501	--	20 MIM	--	ADD NEW	--	VERIFY EXG FRAME WIDTH
120A		A	3'-0"	7'-0"	1 3/4	SCWD	PTD	--	--	--	--	2	--	--	D-4/A-501	--	20 MIM	--	YES	--	---
121A		A	3'-0"	7'-0"	1 3/4	SCWD	PTD	--	--	--	--	2	--	--	D-4/A-501	--	20 MIM	--	YES	--	---
128A		A	3'-0"	7'-0"	1 3/4	SCWD	PTD	--	--	--	--	3	PTD	--	D-4/A-501	--	20 MIM	--	YES	--	---
NEW ASPEN HALL DOORS BELOW																					
127A		NOT USED																			
127B		NOT USED																			

REFER TO DEMOLITION PLAN SHEETS A-105, A-105, AND A-106 FOR EXISTING DOOR # TO BE RE-USED

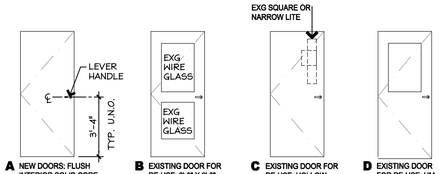
NOTE: DOOR HARDWARE WILL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

DOOR SCHEDULE ABBREVIATIONS:

AL = ALUMINUM
CLR = CLEAR FINISH
EXG = EXISTING
FF = FACTORY FINISH
FIRE = FIRE RESISTANT

GL = GLASS
HC = HOLLOW CORE WOOD
HM = HOLLOW METAL
INS = INSULATED
PL = PLASTIC LAMINATED

PTD = PAINTED
SC = SOLID CORE WOOD
SND = SOUND
ST = STAIN
WD = WOOD



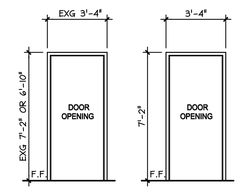
A NEW DOORS: FLUSH INTERIOR SOLID CORE WOOD DOOR PRE-FINISH PAINT. FIRE RATING AS REQUIRED.

B EXISTING DOOR FOR RE-USE: 3'-0" X 6'-8" HOLLOW METAL W/ 2 PANELS OF RATED WIRE GLASS. DOOR HAS 20 MIN RATING, HAS CLOSER AND LEVER HARDWARE.

C EXISTING DOOR FOR RE-USE: HOLLOW METAL OR SOLID CORE WOOD DOOR, PAINTED. SOME HAVE EXG WIRE GLASS LITES

D EXISTING DOOR FOR RE-USE: HM HALF WIRE GLASS

DOOR TYPES



1 EXISTING HOLLOW METAL FRAME

2 NEW HOLLOW METAL FRAME

FRAME TYPES

DOOR NOTES:

1. RE-USE OF EXISTING DOORS, FRAMES, AND HARDWARE:

   A. RE-USE OF EXISTING FRAMES: CONTRACTOR SHALL SUPPLY NEW HM FRAMES PREPED FOR DOOR AND HARDWARE INSTALLATION FOR USE AT ALL NEW DOOR OPENINGS. IF A RE-USED DOOR IS SCHEDULED, HE MAY AT HIS OPTION RE-USE THE EXISTING FRAME PROVIDING IT IS PROPER SIZE FOR WALL, IS SERVISABLE AND HARDWARE PREP IS SUITABLE.

   B. DOOR HARDWARE: WILL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

   C. RE-USE OF EXISTING HARDWARE: RETURN EXISTING DOOR HARDWARE TO OWNER.

   D. RE-USE OF EXISTING DOORS: EXISTING DOORS MAY BE REUSED IF REQUIRED SIZE AND FIRE RATING IS MAINTAINED.

   E. REFER TO DEMOLITION PLANS, SHEETS A-104, A-105, AND A-106 FOR LOCATIONS OF WHERE DOORS MAY BE USED.

2. LOCK OR LATCH: EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

SCHEDULES

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TEL: (541)488-0719

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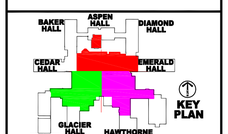

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4	11/26/2013	BID SET
3	08/01/2013	FINAL REVIEW SET
2	07/25/2013	REVIEW SET 2
1	07/10/2013	REVIEW SET

PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-A-601 (SH)
DRAWN BY:	WDR
CHECKED BY:	JN
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SHEET TITLE:

DOOR SCHEDULE
DOOR & FRAME TYPES
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A-601

SHEET 18 OF 18

SOU Cascade Science Renovation

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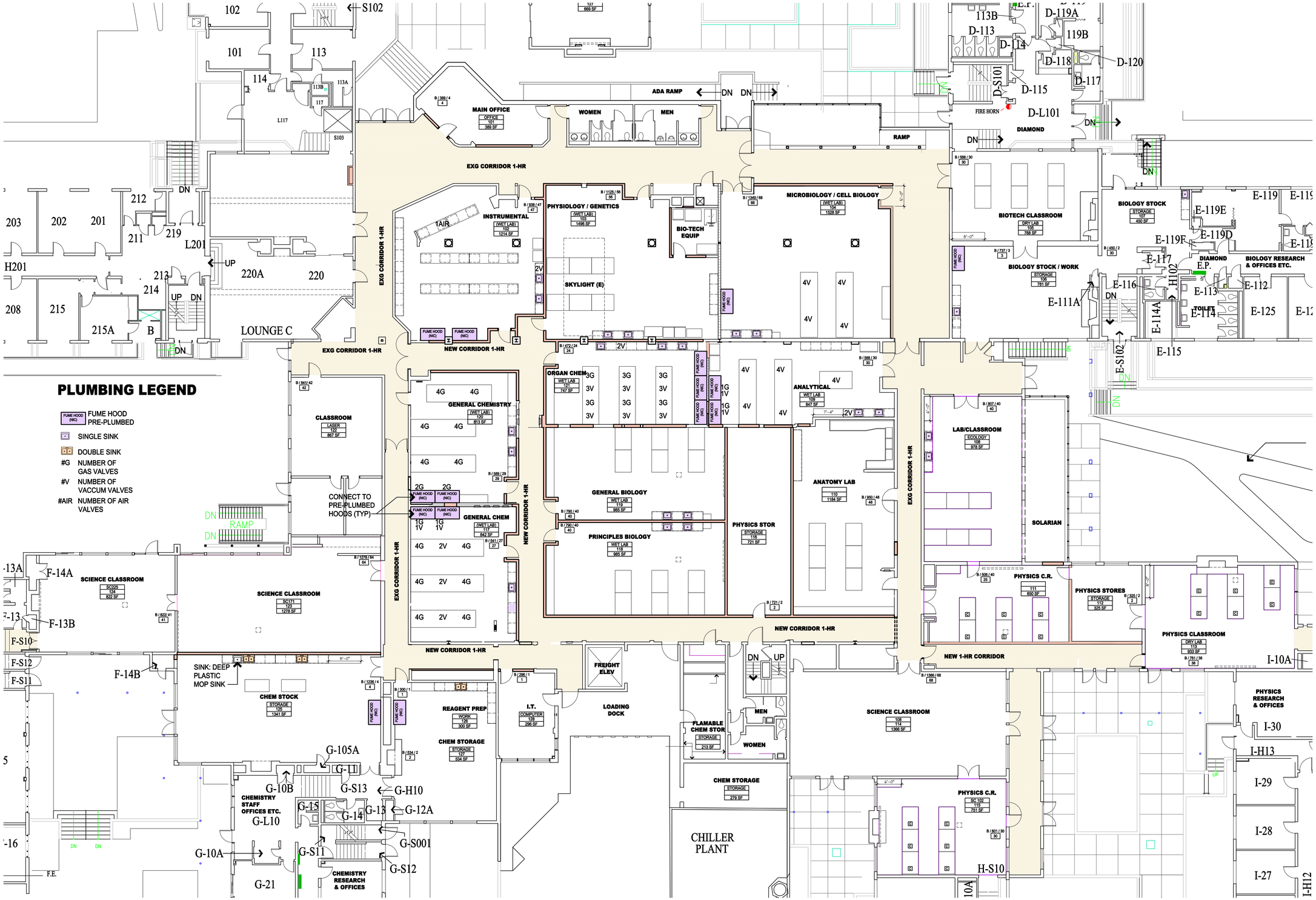

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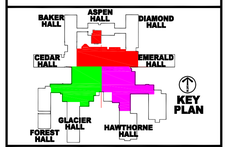

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PROJECT CODE:	SOU-CAS-2013
CAD DWG FILE:	SOU-CAS-P-101 (FP OA PLUMB)
DRAWN BY:	WDR
CHECKED BY:	JN
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SHEET TITLE:

PLLUMBING FLOOR PLAN OVERALL

P-101

SHEET 1 OF 1

SOU Cascade Science Renovation

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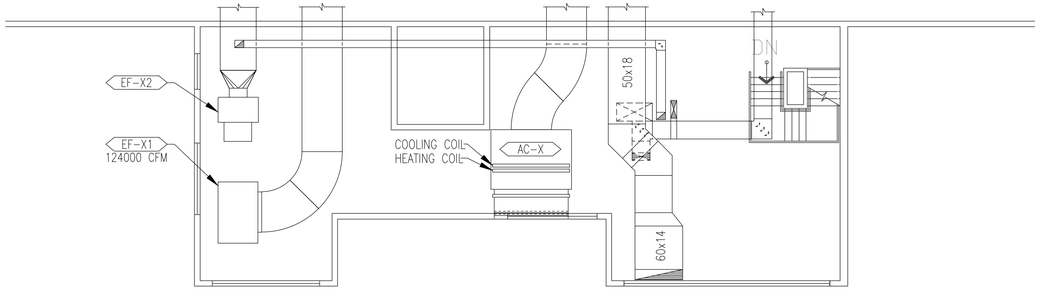
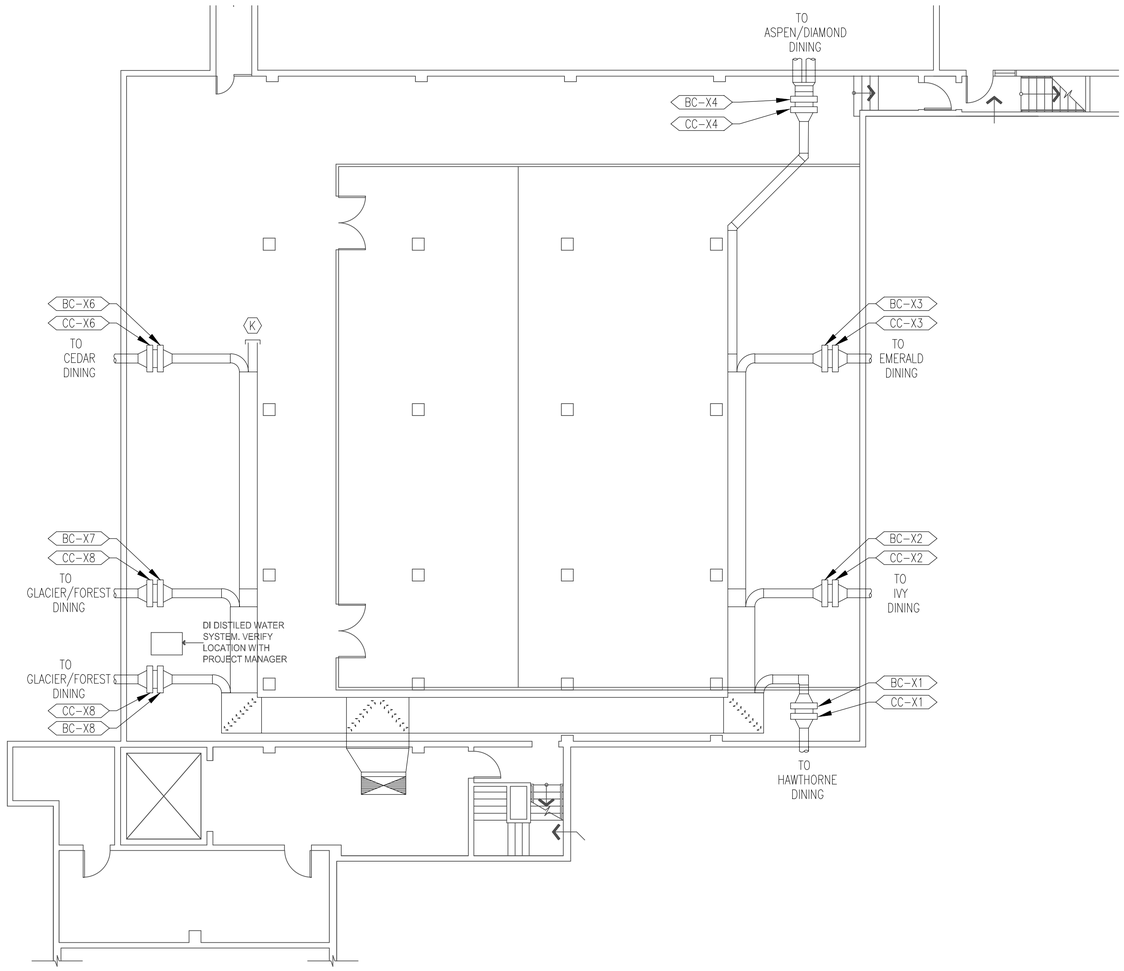


EXISTING MECHANICAL MEZZANINE PLAN
1/8" = 1'-0"



EXISTING BASEMENT FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.

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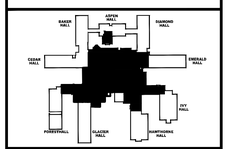

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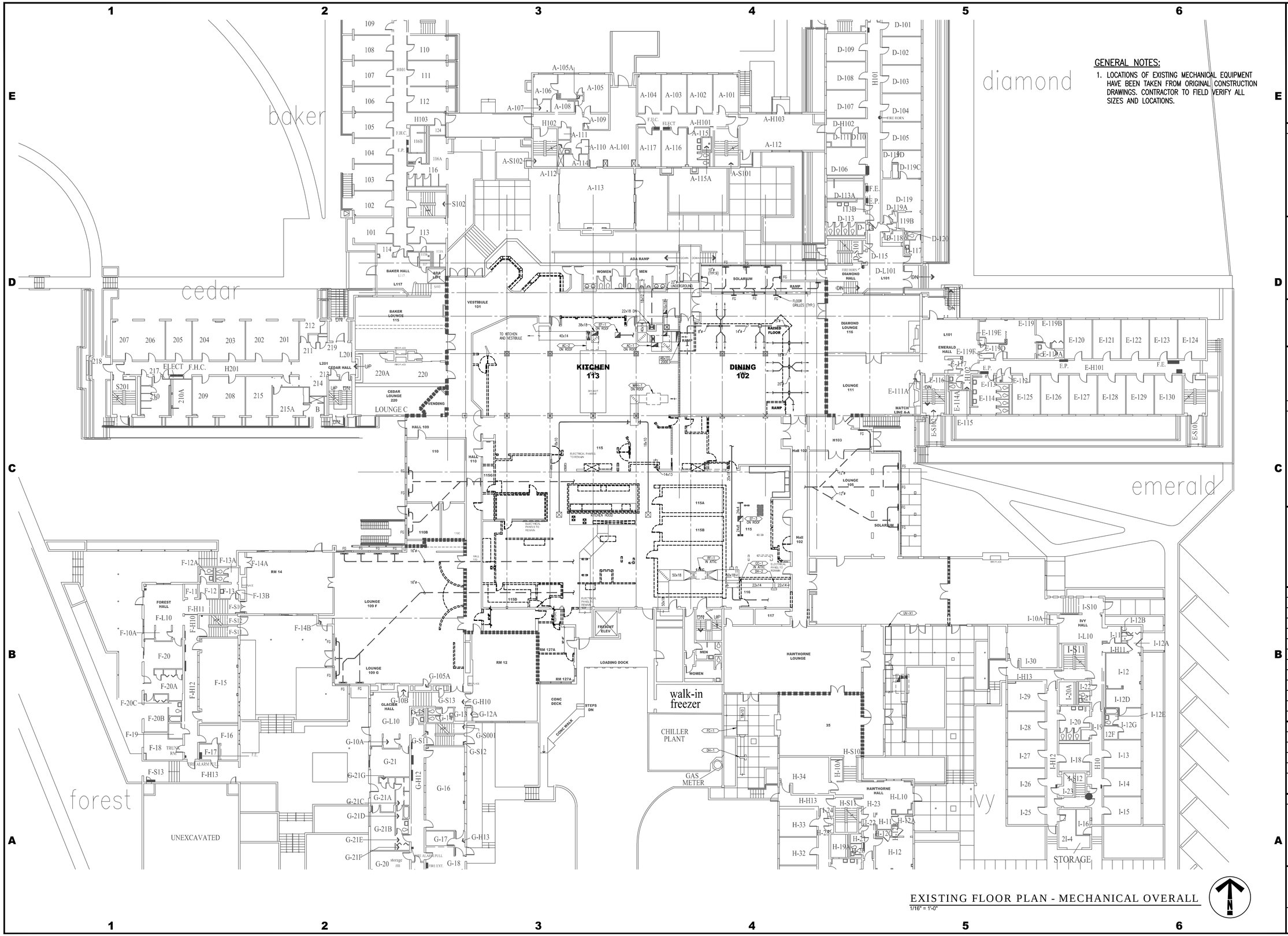
EXISTING BASEMENT FLOOR PLAN & EXISTING MECHANICAL MEZZANINE PLAN

M-101

SHEET OF

SOU Cascade Science Renovation



GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.

EXISTING FLOOR PLAN - MECHANICAL OVERALL

1/16" = 1'-0"

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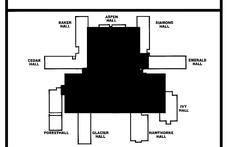

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OVERALL EXISTING FLOOR PLAN - MECHANICAL

M-102

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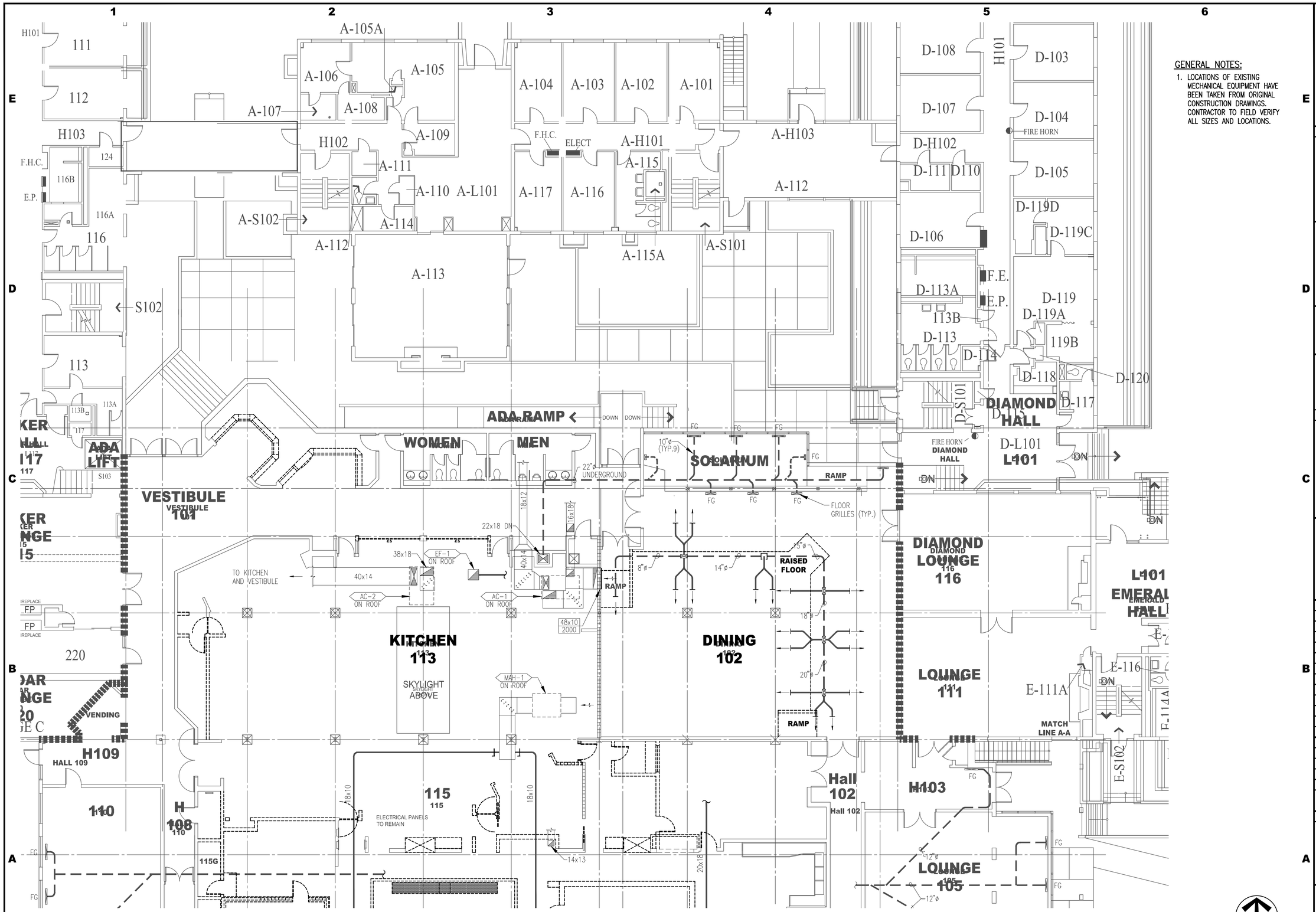

PARTIAL EXISTING FIRST FLOOR PLAN - MECHANICAL PART A

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.

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PARTIAL EXISTING FIRST FLOOR PLAN - MECHANICAL PART A

M-103

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SOU Cascade Science Renovation

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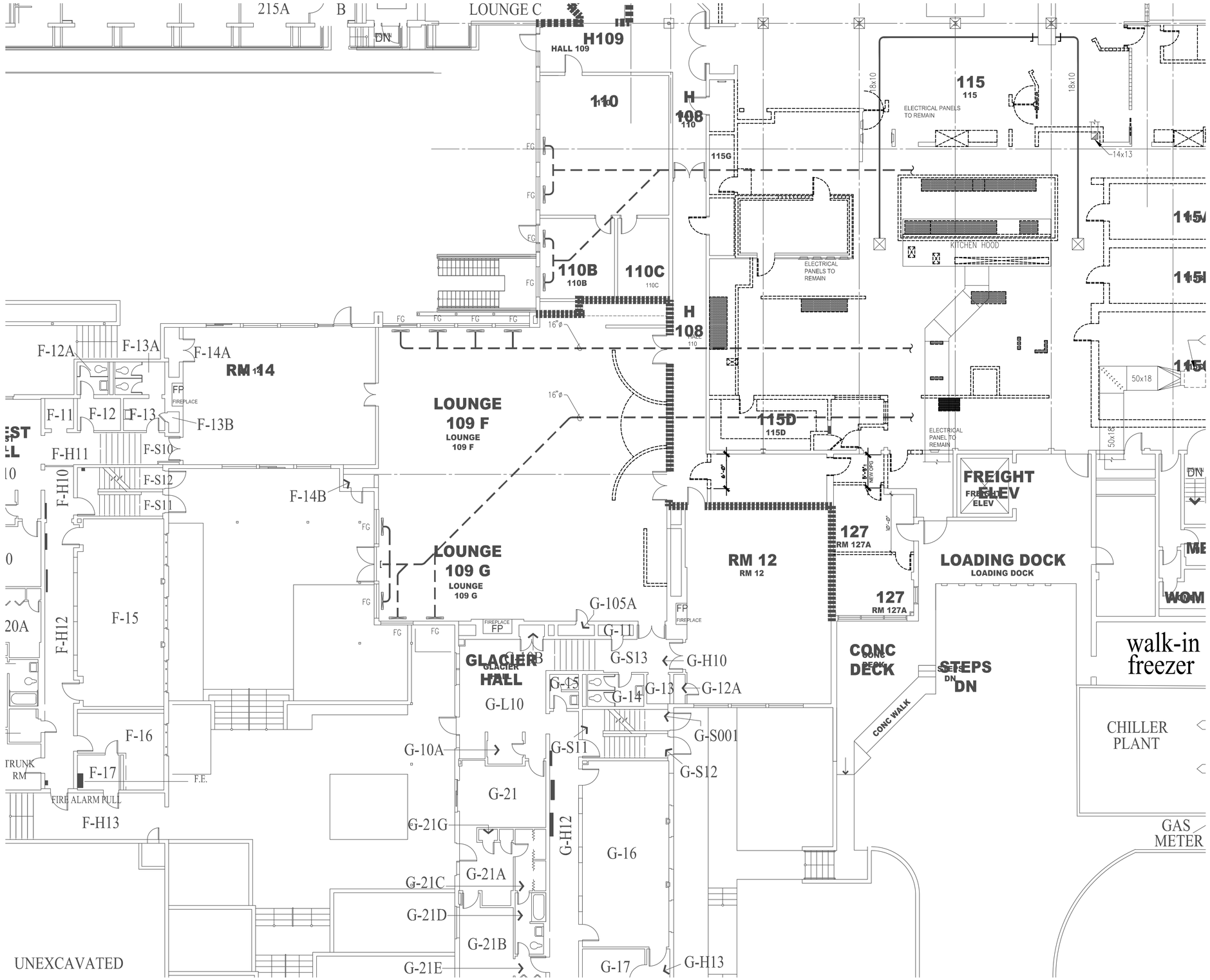

PARTIAL EXISTING FIRST FLOOR PLAN - MECHANICAL PART B

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.

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PARTIAL EXISTING FIRST FLOOR PLAN - MECHANICAL PART B

M-104

SHEET OF

SOU Cascade Science Renovation

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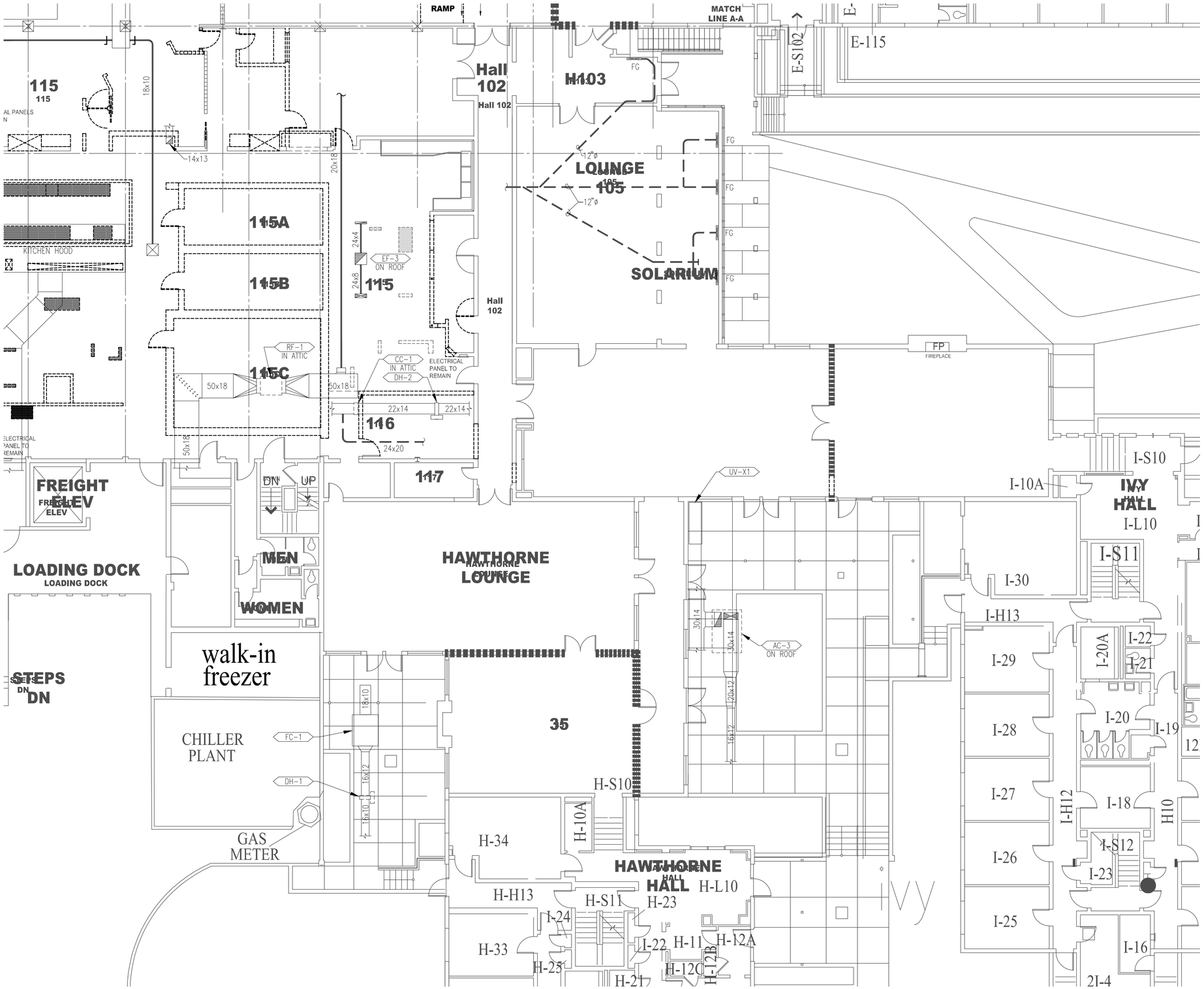

PARTIAL EXISTING FIRST FLOOR PLAN - MECHANICAL PART C

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.

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MARKER	DATE

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PARTIAL EXISTING FIRST FLOOR PLAN - MECHANICAL PART C

M-105

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SOU Cascade Science Renovation

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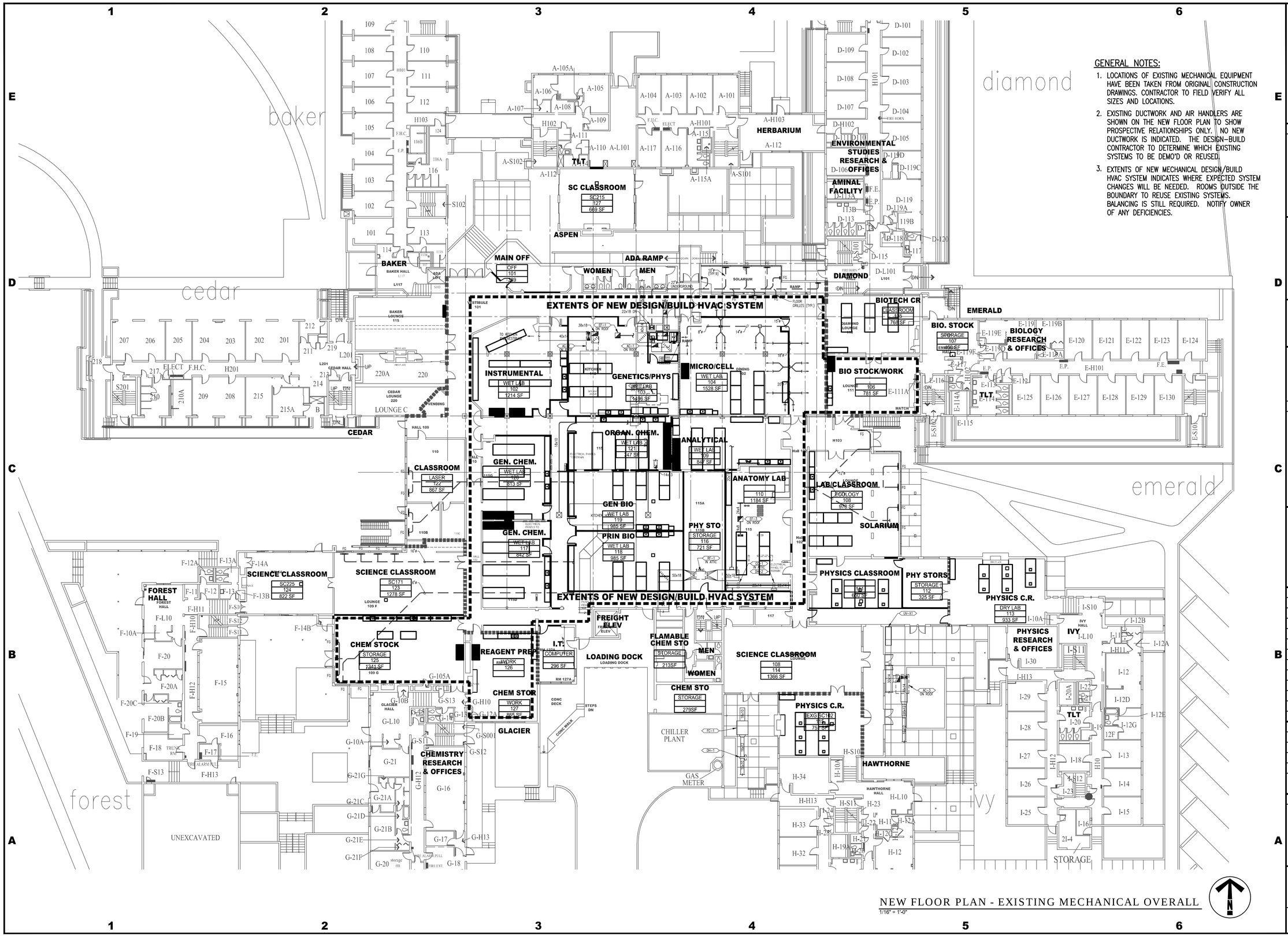

NEW FLOOR PLAN - EXISTING MECHANICAL OVERALL

1/16" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.
2. EXISTING DUCTWORK AND AIR HANDLERS ARE SHOWN ON THE NEW FLOOR PLAN TO SHOW PROSPECTIVE RELATIONSHIPS ONLY. NO NEW DUCTWORK IS INDICATED. THE DESIGN-BUILD CONTRACTOR TO DETERMINE WHICH EXISTING SYSTEMS TO BE DEMO'D OR REUSED.
3. EXTENTS OF NEW MECHANICAL DESIGN/BUILD HVAC SYSTEM INDICATES WHERE EXPECTED SYSTEM CHANGES WILL BE NEEDED. ROOMS OUTSIDE THE BOUNDARY TO REUSE EXISTING SYSTEMS. BALANCING IS STILL REQUIRED. NOTIFY OWNER OF ANY DEFICIENCIES.

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SHEET TITLE:

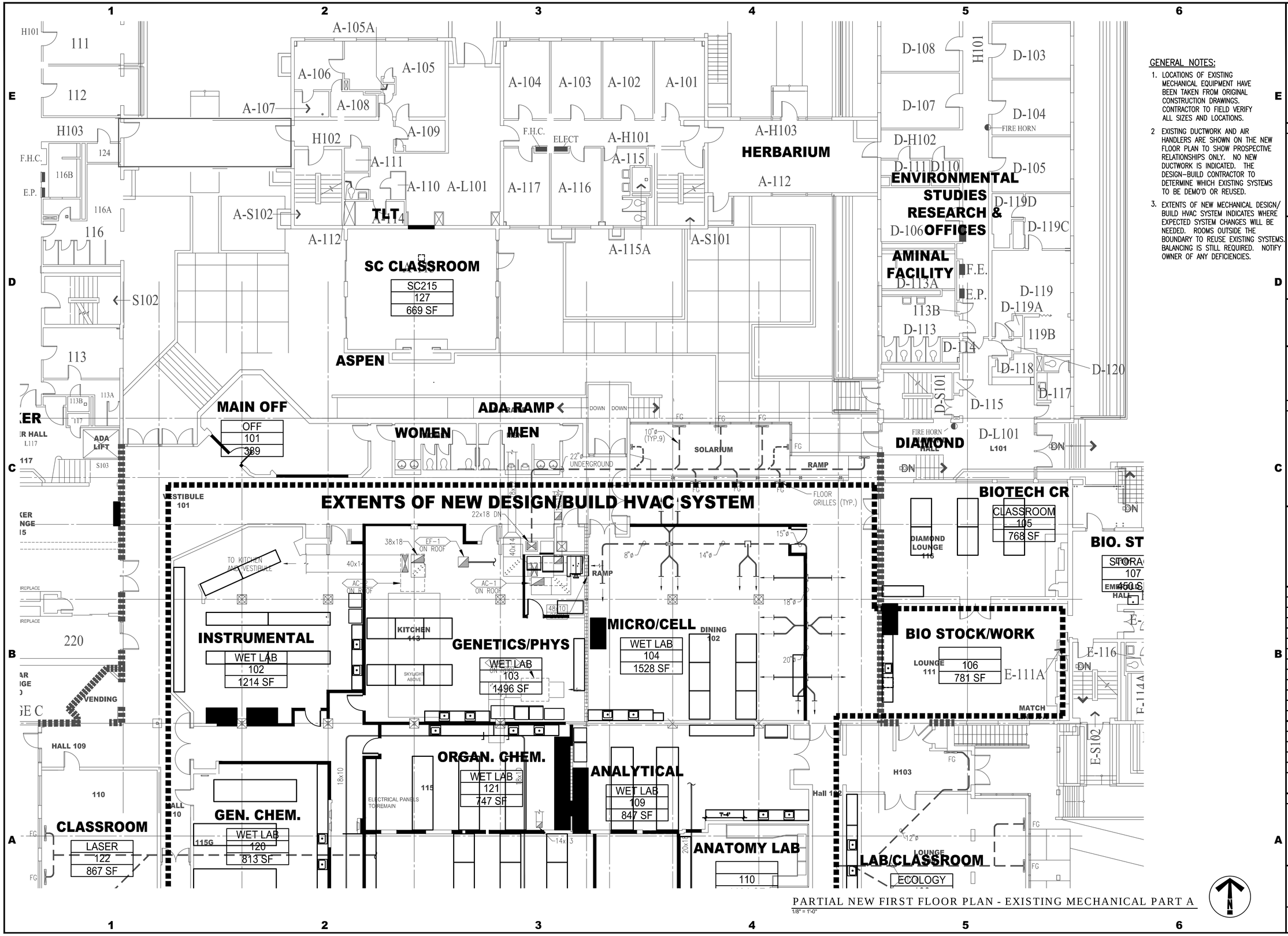
OVERALL NEW FLOOR PLAN - EXISTING MECHANICAL

M-202

SHEET OF

SOU Cascade Science Renovation

Date: 11/26/13 Time: 7:57pm File: P:\2013\13-1392.00 – SOU Cascade Remodel\01 Drawings\CAD\13-1392_M202.dwg User: michael.scupien



PARTIAL NEW FIRST FLOOR PLAN - EXISTING MECHANICAL PART A

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.
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SHEET TITLE:

PARTIAL NEW FIRST FLOOR PLAN - EXISTING MECHANICAL PART A

M-203

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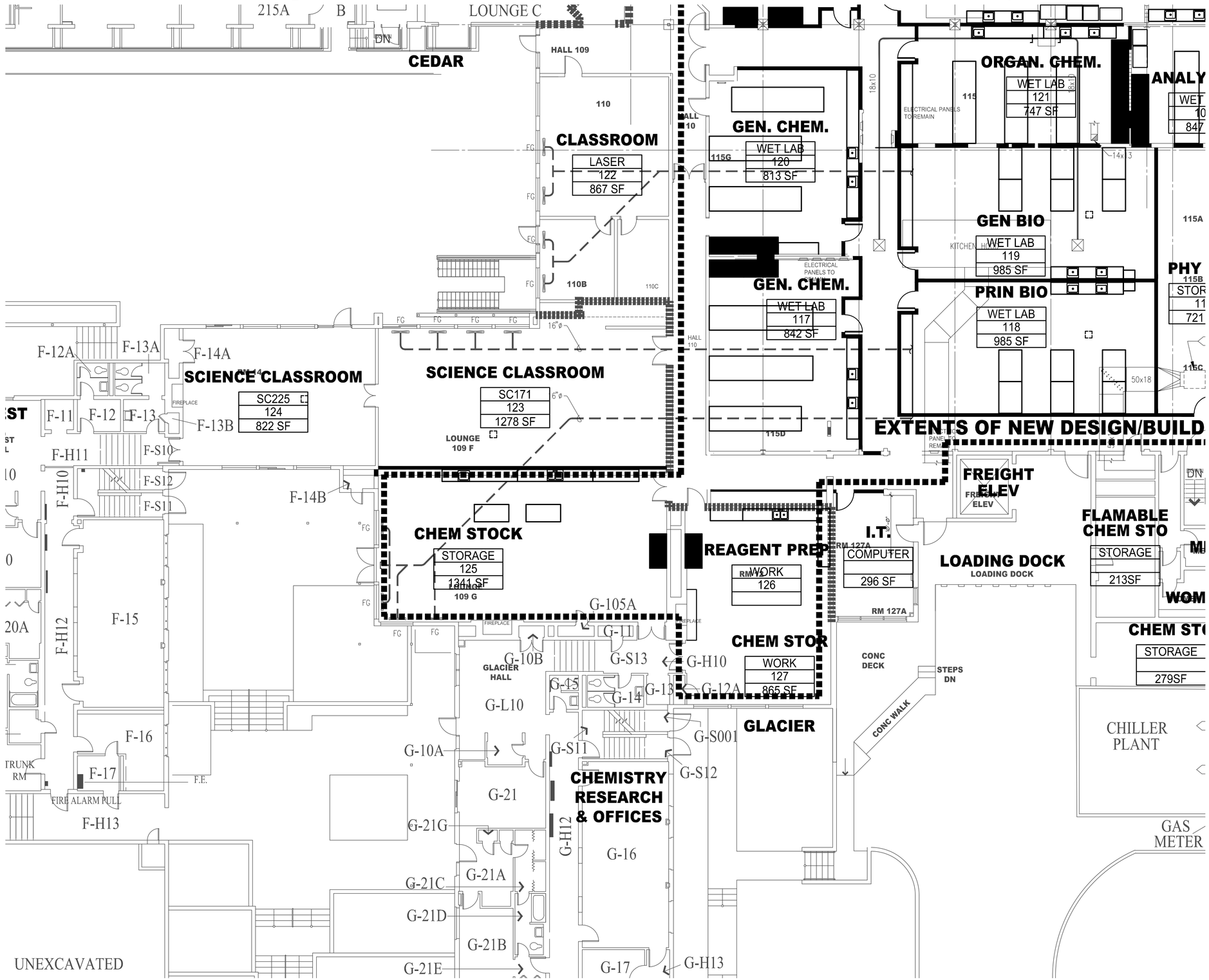

PARTIAL NEW FIRST FLOOR PLAN - EXISITNG MECHANICAL PART B

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.
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CHECKED BY:	MDS
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SHEET TITLE:

PARTIAL NEW FIRST FLOOR PLAN - EXISTING MECHANICAL PART B

M-204

SHEET OF

SOU Cascade Science Renovation

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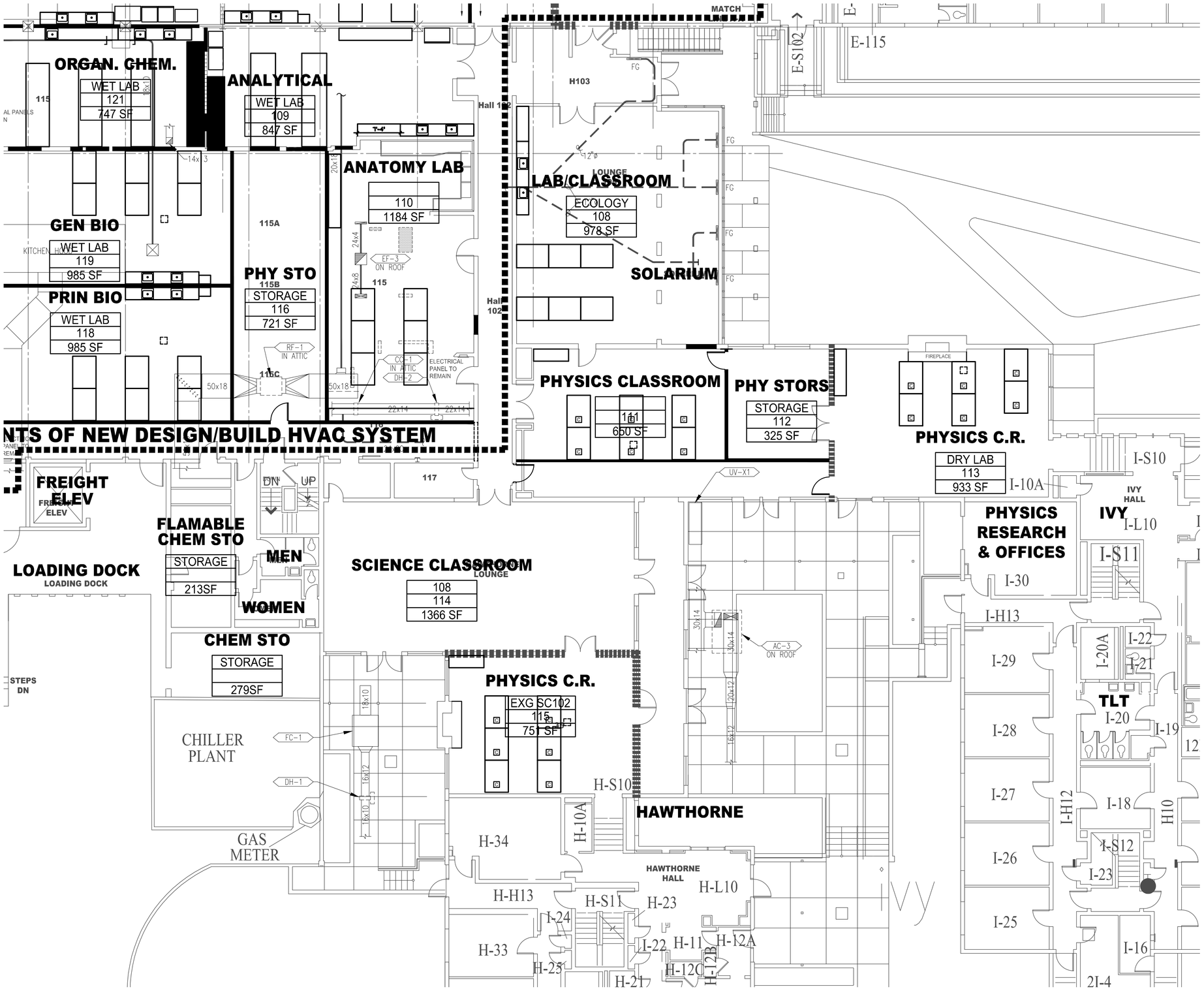

PARTIAL NEW FIRST FLOOR PLAN - EXISTING MECHANICAL PART C

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING MECHANICAL EQUIPMENT HAVE BEEN TAKEN FROM ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.
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CHECKED BY:	MDS
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SHEET TITLE:

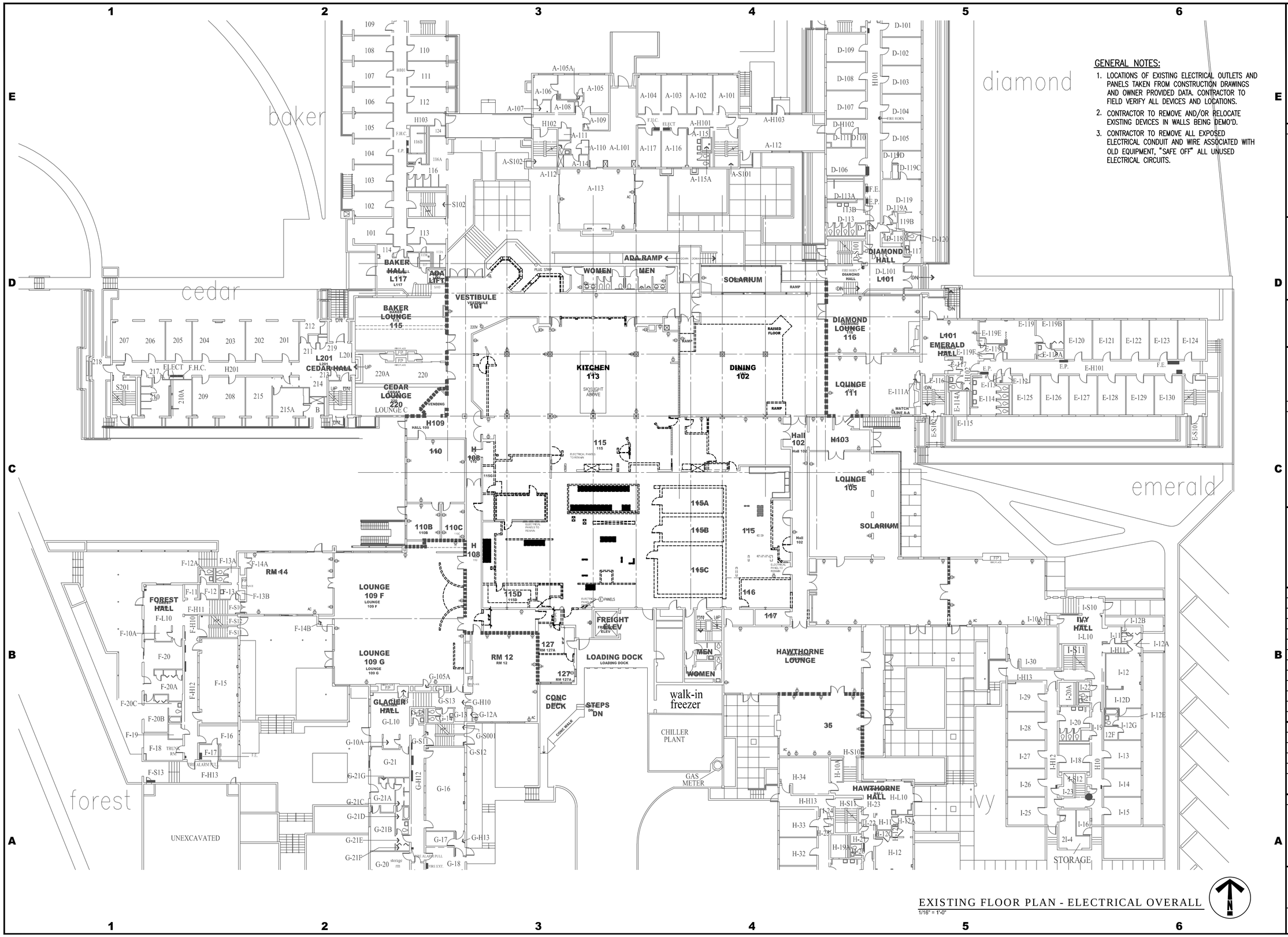
PARTIAL NEW FIRST FLOOR PLAN - EXISITNG MECHANICAL PART C

M-205

SHEET OF

SOU Cascade Science Renovation

Date: 11/26/13 Time: 6:50pm File: P:\2013\13-1392.00 - SOU Cascade Remodel\01 Drawings\CAD\13-1392_M205.dwg User: michael.scupien



GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL OUTLETS AND PANELS TAKEN FROM CONSTRUCTION DRAWINGS AND OWNER PROVIDED DATA. CONTRACTOR TO FIELD VERIFY ALL DEVICES AND LOCATIONS.
2. CONTRACTOR TO REMOVE AND/OR RELOCATE EXISTING DEVICES IN WALLS BEING DEMO'D.
3. CONTRACTOR TO REMOVE ALL EXPOSED ELECTRICAL CONDUIT AND WIRE ASSOCIATED WITH OLD EQUIPMENT, "SAFE OFF" ALL UNUSED ELECTRICAL CIRCUITS.

EXISTING FLOOR PLAN - ELECTRICAL OVERALL

1/16" = 1'-0"

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SHEET TITLE:

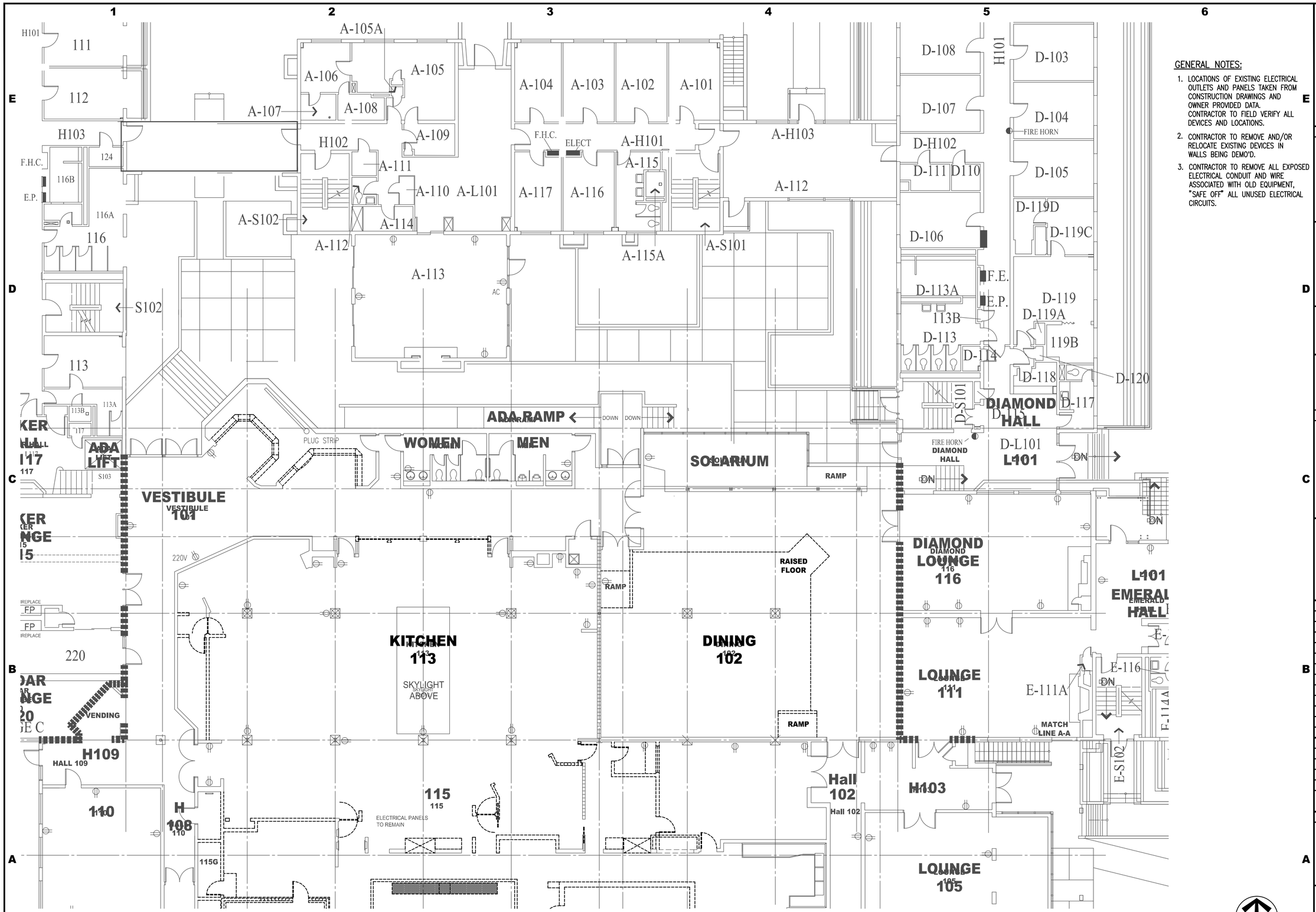
OVERALL EXISTING FLOOR PLAN - ELECTRICAL

E-102

SHEET OF

SOU Cascade Science Renovation

Date: 11/26/13 Time: 3:36pm File: P:\2013\13-1392.00 - SOU Cascade Remodel\01 Drawings\CAD\13-1392_E102.dwg User: michael.scupien



PARTIAL EXISTING FIRST FLOOR PLAN - ELECTRICAL PART A

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL OUTLETS AND PANELS TAKEN FROM CONSTRUCTION DRAWINGS AND OWNER PROVIDED DATA. CONTRACTOR TO FIELD VERIFY ALL DEVICES AND LOCATIONS.
2. CONTRACTOR TO REMOVE AND/OR RELOCATE EXISTING DEVICES IN WALLS BEING DEMO'D.
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SHEET TITLE:

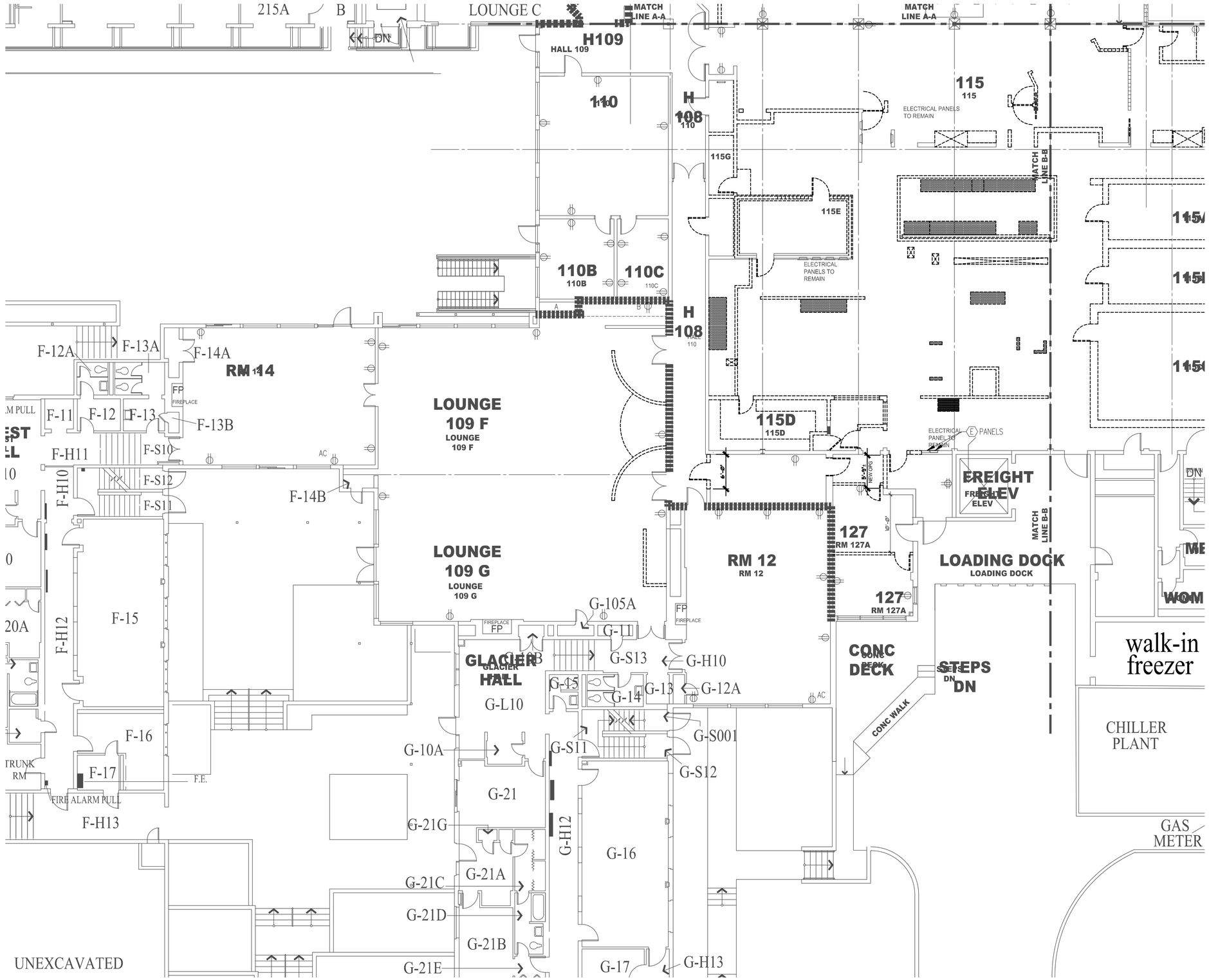
PARTIAL EXISTING FIRST FLOOR PLAN - ELECTRICAL PART A

E-103

SHEET OF

SOU Cascade Science Renovation

Date: 11/26/13 Time: 3:40pm File: P:\2013\13-1392.00 - SOU Cascade Remodel\01 Drawings\CAD\13-1392_E103.dwg User: michael.scupien



PARTIAL EXISTING FIRST FLOOR PLAN - ELECTRICAL PART B

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL OUTLETS AND PANELS TAKEN FROM CONSTRUCTION DRAWINGS AND OWNER PROVIDED DATA. CONTRACTOR TO FIELD VERIFY ALL DEVICES AND LOCATIONS.
2. CONTRACTOR TO REMOVE AND/OR RELOCATE EXISTING DEVICES IN WALLS BEING DEMO'D.
3. CONTRACTOR TO REMOVE ALL EXPOSED ELECTRICAL CONDUIT AND WIRE ASSOCIATED WITH OLD EQUIPMENT, "SAFE OFF" ALL UNUSED ELECTRICAL CIRCUITS.

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SHEET TITLE:

PARTIAL EXISTING FIRST FLOOR PLAN - ELECTRICAL PART B

E-104

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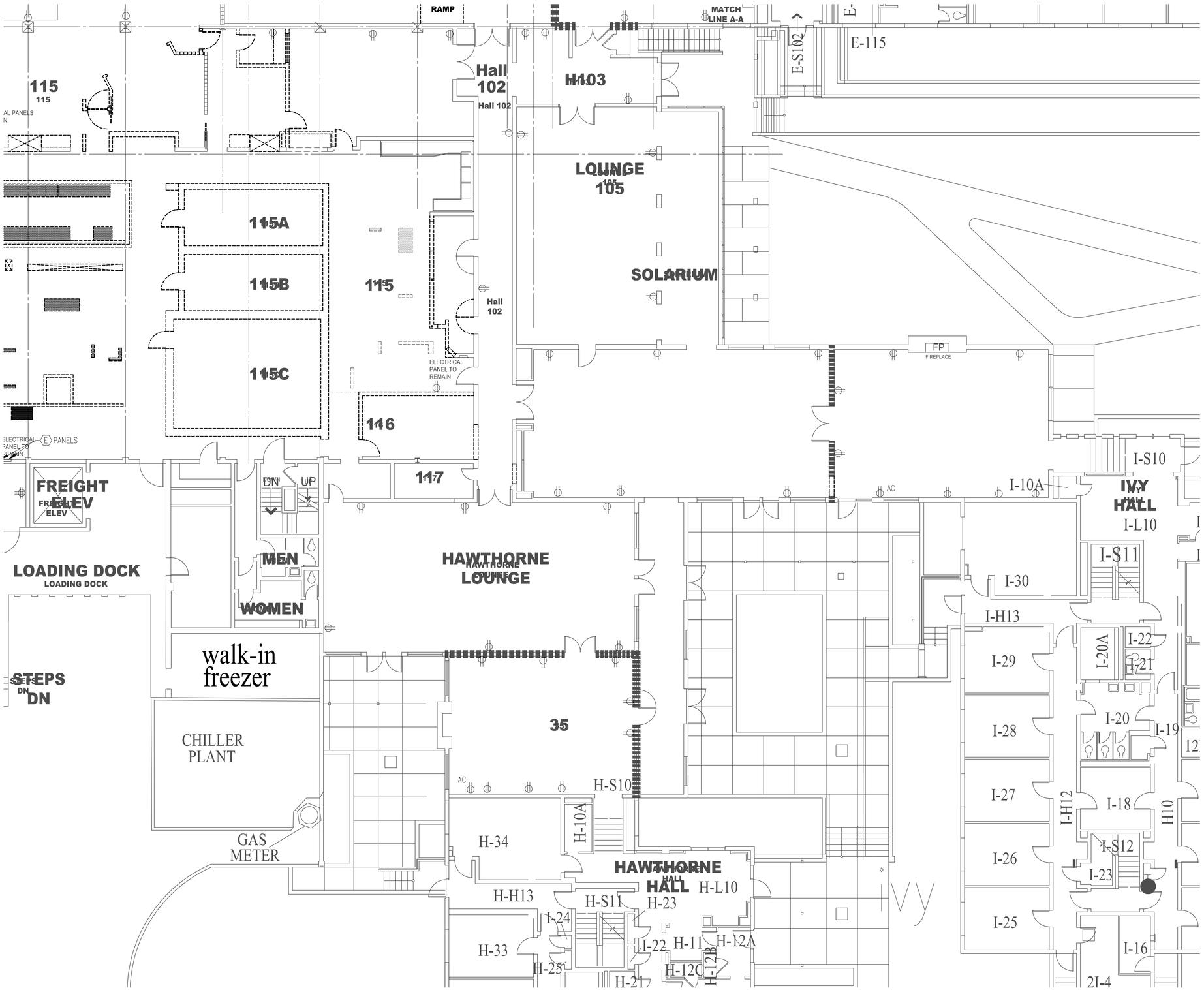

PARTIAL EXISTING FIRST FLOOR PLAN - ELECTRICAL PART C

1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL OUTLETS AND PANELS TAKEN FROM CONSTRUCTION DRAWINGS AND OWNER PROVIDED DATA. CONTRACTOR TO FIELD VERIFY ALL DEVICES AND LOCATIONS.
2. CONTRACTOR TO REMOVE AND/OR RELOCATE EXISTING DEVICES IN WALLS BEING DEMO'D.
3. CONTRACTOR TO REMOVE ALL EXPOSED ELECTRICAL CONDUIT AND WIRE ASSOCIATED WITH OLD EQUIPMENT, "SAFE OFF" ALL UNUSED ELECTRICAL CIRCUITS.

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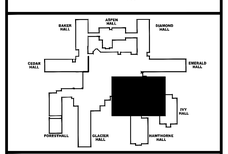

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SHEET TITLE:

PARTIAL EXISTING FIRST FLOOR PLAN - ELECTRICAL PART C

E-105

SHEET OF

SOU Cascade Science Renovation

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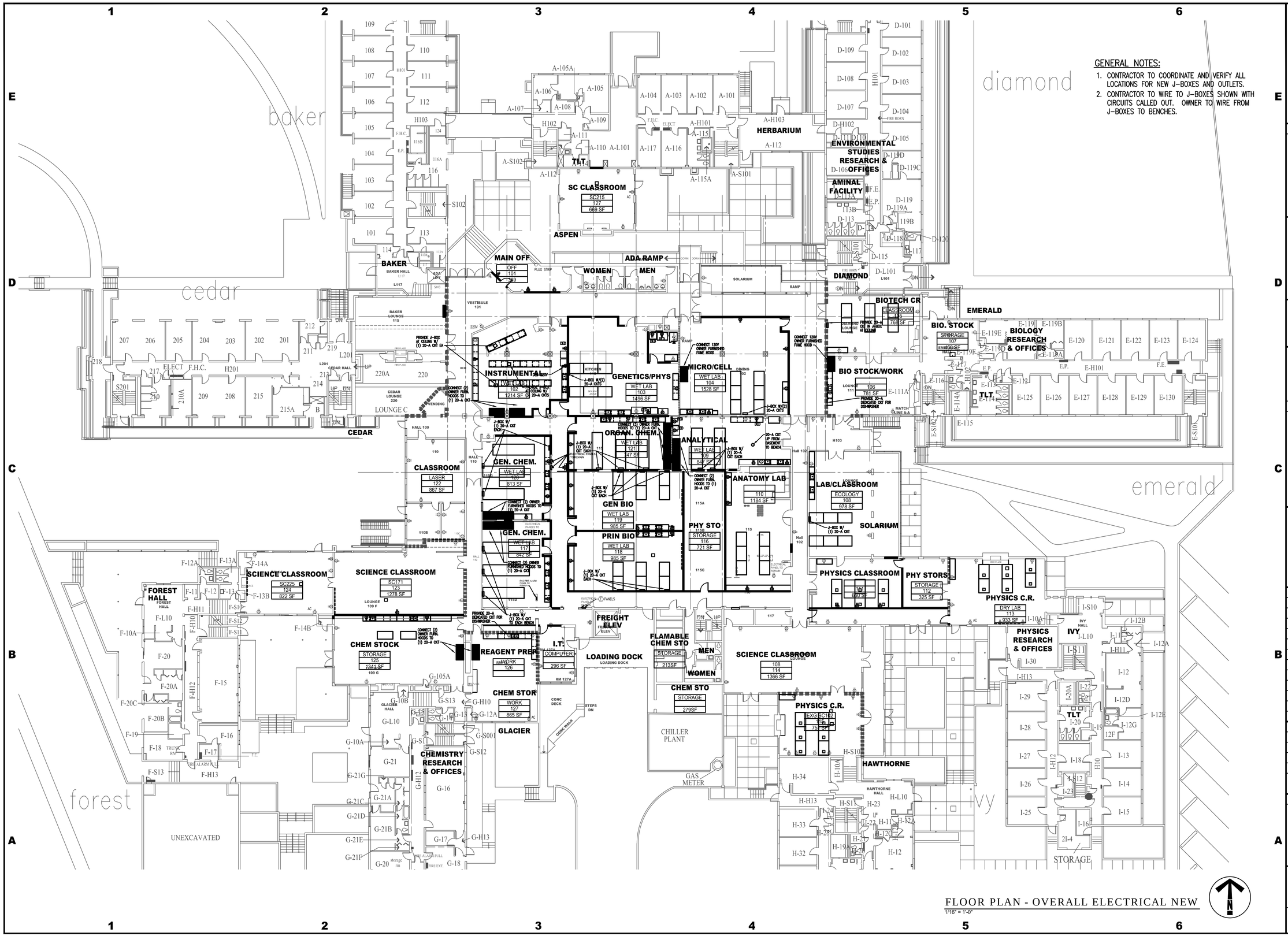

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE AND VERIFY ALL LOCATIONS FOR NEW J-BOXES AND OUTLETS.
2. CONTRACTOR TO WIRE TO J-BOXES SHOWN WITH CIRCUITS CALLED OUT. OWNER TO WIRE FROM J-BOXES TO BENCHES.

FLOOR PLAN - OVERALL ELECTRICAL NEW

1/16" = 1'-0"

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PROJECT DATE:	November 26, 2013

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SHEET TITLE:

OVERALL FLOOR PLAN- ELECTRICAL NEW

E-202

SHEET OF

SOU Cascade Science Renovation

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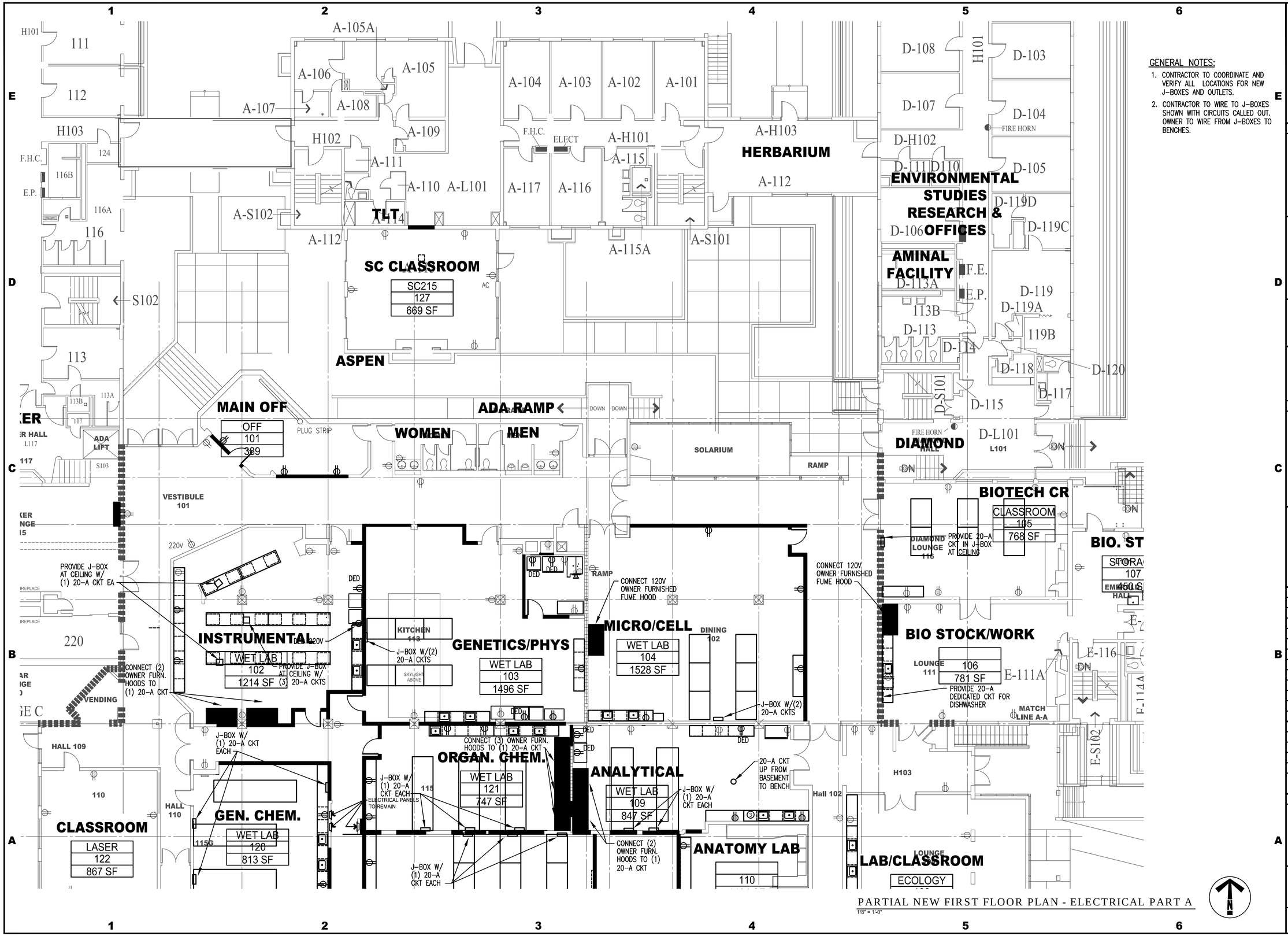

PARTIAL NEW FIRST FLOOR PLAN - ELECTRICAL PART A

1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE AND VERIFY ALL LOCATIONS FOR NEW J-BOXES AND OUTLETS.
2. CONTRACTOR TO WIRE TO J-BOXES SHOWN WITH CIRCUITS CALLED OUT. OWNER TO WIRE FROM J-BOXES TO BENCHES.

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PROJECT DATE:	November 26, 2013

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SHEET TITLE:

PARTIAL NEW FIRST FLOOR PLAN - ELECTRICAL PART A

E-203

SHEET OF

SOU Cascade Science Renovation

Date: 11/26/13 Time: 8:46pm File: P:\2013\13-1392.00 - SOU Cascade Remodel\01 Drawings\CAD\13-1392_E203.dwg User: michael.scupien
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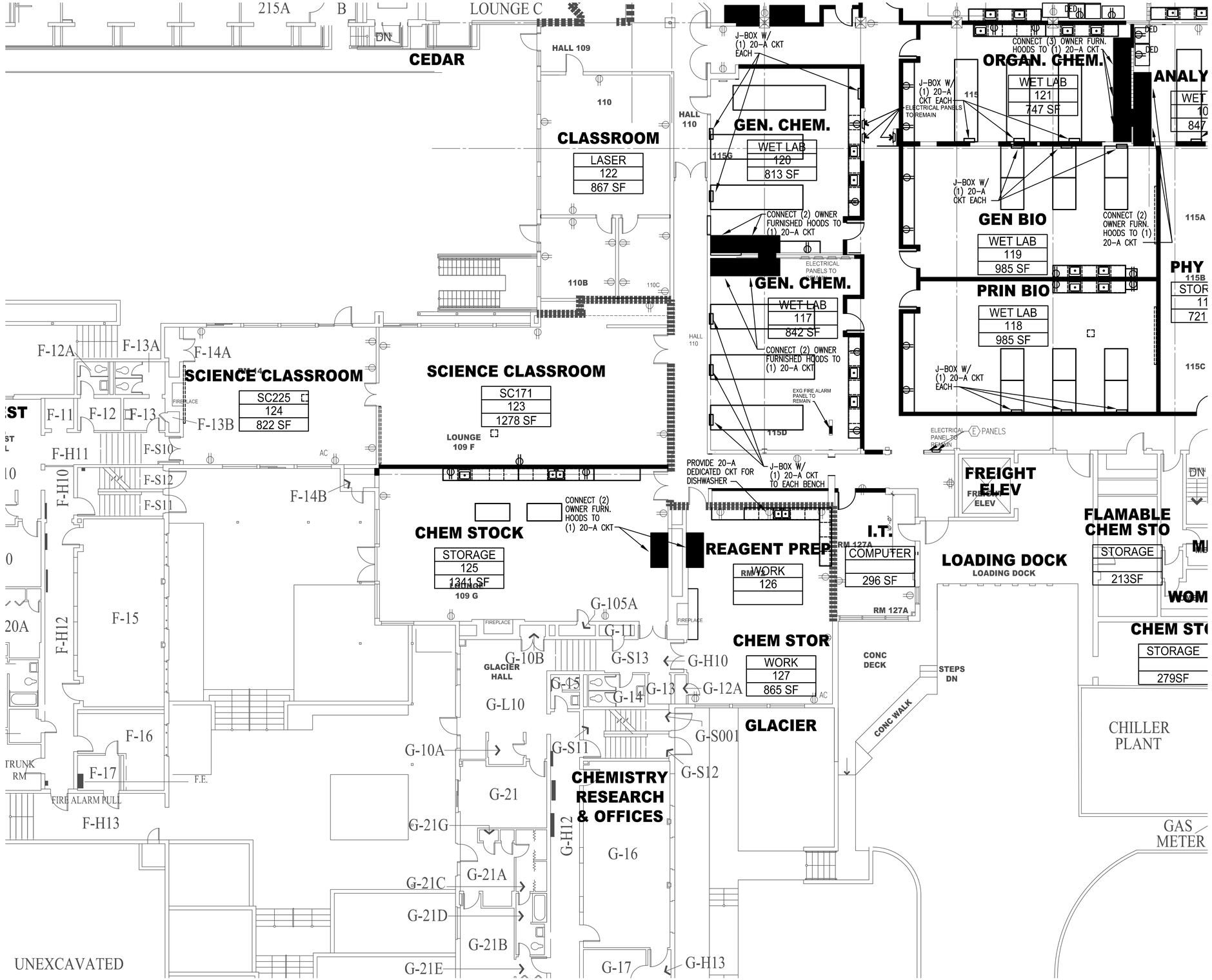

PARTIAL NEW FIRST FLOOR PLAN - ELECTRICAL PART B

1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE AND VERIFY ALL LOCATIONS FOR NEW J-BOXES AND OUTLETS.
2. CONTRACTOR TO WIRE TO J-BOXES SHOWN WITH CIRCUITS CALLED OUT. OWNER TO WIRE FROM J-BOXES TO BENCHES.

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OWNER:

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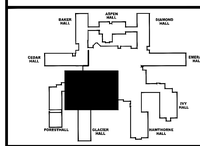

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PROJECT CODE:	
CAD DWG FILE:	–
DRAWN BY:	TNC
CHECKED BY:	MDS
PROJECT DATE:	November 26, 2013

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SHEET TITLE:

PARTIAL NEW FIRST FLOOR PLAN - ELECTRICAL PART B

E-204

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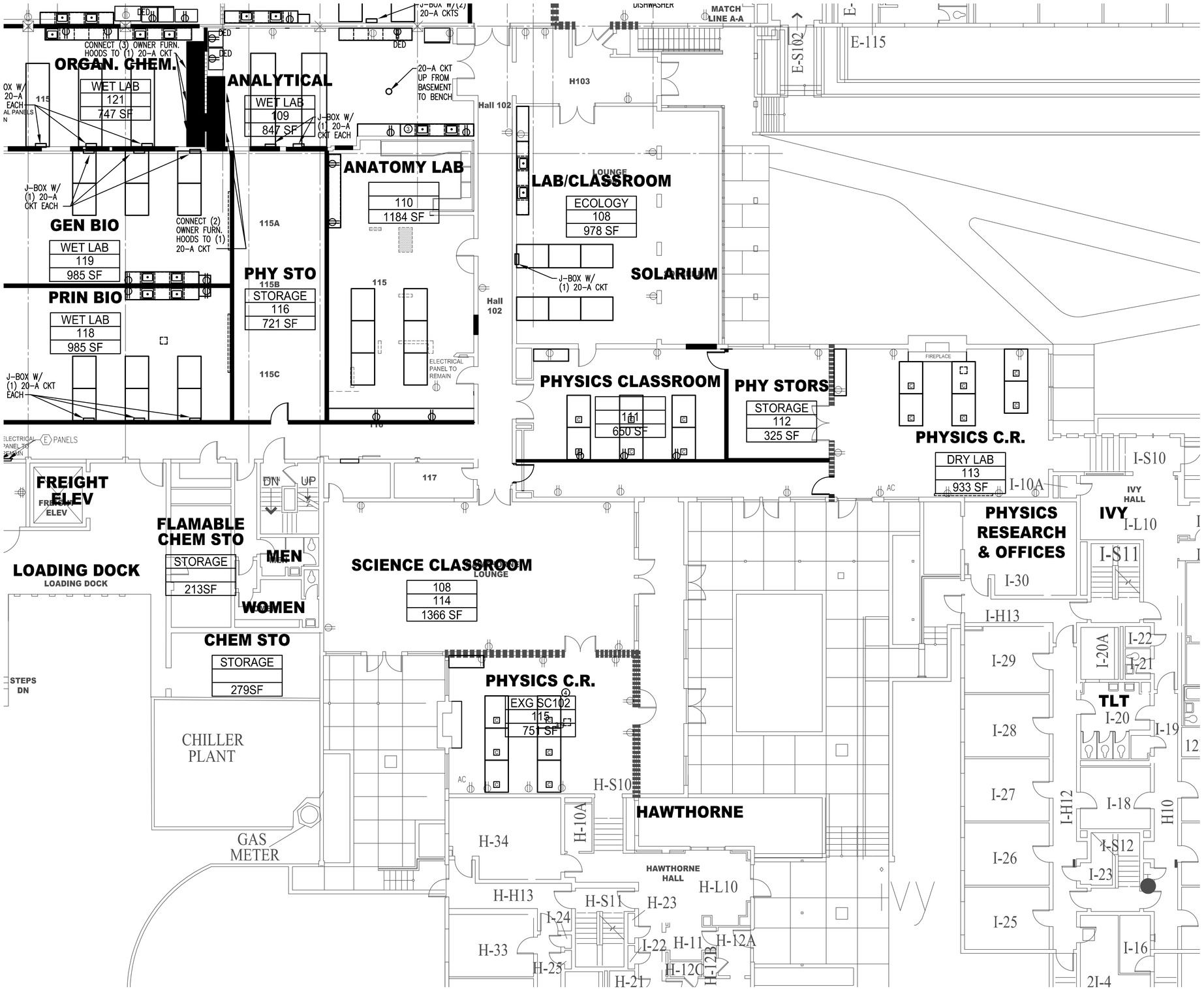
SOU Cascade Science Renovation



PARTIAL NEW FIRST FLOOR PLAN - ELECTRICAL PART C

1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE AND VERIFY ALL LOCATIONS FOR NEW J-BOXES AND OUTLETS.
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SHEET TITLE:

PARTIAL NEW FIRST FLOOR PLAN - ELECTRICAL PART C

E-205

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