Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BU[illegible]TION

PERMIT

Please Read Application And Notes, If Any, Attached

Permit Number: 090243

PERMIT ISSUED
APR 21 2009
CITY OF PORTLAND

This is to certify that WESTBROOK SEMINARY & [illegible]UNIOR [illegible]E FOR WO[illegible]N

has permission to Vacant space in basement estab[illegible]h use of [illegible]ce for [illegible]ssroom [illegible]esearch space w/ fit-up

AT 714 STEVENS AVE C[illegible] 145 A003001

provided that the person or persons, fi[illegible] or co[illegible]tion ac[illegible]pting this permit shall comply with all of the provisions of the Statutes of Ma[illegible]e and of the C[illegible]nces of the City of Portland regulating the construction, maintenance and use[illegible]f buildings and stru[illegible]ures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Not[illegible]ation o[illegible]nspectio[illegible]must b[illegible] give[illegible]nd writt[illegible]permissi[illegible]procured befo[illegible]this bu[illegible]ng or p[illegible]hereof i[illegible] lath[illegible] or oth[illegible]sed-in. 2[illegible] HOU[illegible]NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. CAPT. K. Gauthier

Health Dept. _____

Appeal Board _____

Other _____
Department Name

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Issue Date:	CBL:
09-0243	4/21/09	145 A003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
714 STEVENS AVE	WESTBROOK SEMINARY & JU	716 STEVENS AVE	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Allied/Cook Construction	PO Box 1396 Portland	2077722888
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Additions - Commercial	R-5

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
University of New England / Connected w/ permit# 080088	University of New England -Vacant space in basement/lower level establish use of space for Classroom & Research space w/ fit-up	$5,520.00	$550,000.00	5

FIRE DEPT: ☑ Approved ☐ Denied

* See Conditions

Signature: KG

INSPECTION:

Use Group: A-3/13 Type: 5B

IBC-2003

Signature:

Proposed Project Description:

Vacant space in basement establish use of space for Classroom & Research space w/ fit-up

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
Ldobson	03/26/2009

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

PERMIT ISSUED
APR 21 2009
CITY OF PORTLAND

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☑ Not in District or Landmark (This Bldg)
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date:	Date:	Date:

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | DATE | PHONE

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

__X__ **Re-Bar Schedule Inspection: Prior to pouring concrete**

__X__ **Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling**

__X__ **Final inspection required at completion of work.**

__X__ **The final report of Special Inspections shall be submitted prior to the final inspection or the issuance of the Certificate of Occupancy**

__X__ **Underground electrical or plumbing inspection prior to pouring concrete**

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

Signature of Applicant/Designee — Date: 4-21-09

Signature of Inspections Official — Date: 4-21-09

CBL: 145 A003001 **Building Permit #:** 09-0243

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Date Applied For:	CBL:
09-0243	03/26/2009	145 A003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
714 STEVENS AVE	WESTBROOK SEMINARY & JUN	716 STEVENS AVE	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Allied/Cook Construction	PO Box 1396 Portland	(207) 772-2888
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Additions - Commercial	

Proposed Use:	Proposed Project Description:
University of New England -Vacant space in basement/lower level establish use of space for Classroom & Research space w/ fit-up	Vacant space in basement establish use of space for Classroom & Research space w/ fit-up

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 03/26/2009

Note: **Ok to Issue:** ☑

1) All conditions on the original permit #08-0088 are still in force.
2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Chris Hanson **Approval Date:** 04/21/2009

Note: **Ok to Issue:** ☑

1) Seperate permit for nitrogen generator and tank placement is required
2) Seperate sprinkler and hvac permits are required.
3) All special inspection reports must be submitted to this office for review within 48 hours of the inspection. A final special inspection report must be submitted prior to issuance of a certificate of occupancy. This report must demonstrate any deficiencies and corrective measures that were taken.
4) All penetratios through rated assemblies must be protected by an approved firestop system installed in accordance with ASTM 814 or UL 1479, per IBC 2003 Section 712.
5) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm or HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Keith Gautreau **Approval Date:** 03/30/2009

Note: **Ok to Issue:** ☑

2) Emergancy lights are required to be tested at the electrical panel.
3) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance. Compliance letters are required.
4) Emergancy lights and exit signs are required
5) A single source supplier should be used for all through penetrations.
6) The fire alarm system shall comply with NFPA 72. Compliance letter is required.
7) Installation of a Fire Alarm system requires a Knox Box to be installed per city crdinance
8) All construction shall comply with NFPA 101

Location of Construction:	Owner Name:	Owner Address:	Phone:
714 STEVENS AVE	WESTBROOK SEMINARY & JUN	716 STEVENS AVE	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Allied/Cook Construction	PO Box 1396 Portland	(207) 772-2888
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Additions - Commercial	

Comments:

3/26/2009-mes: WAIT FOR PLANNING OK

3/27/2009-mes: Planning (Shukria) gave a verbal ok on issuing the permit.

3/30/2009-gautreauk: I have requested an occupant load cut sheet for the basement and have received it. It looks good. Keith

General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: UNE College of Pharmacy 716 Stevens Ave		
Total Square Footage of Proposed Structure/Area: 8,000 sf	Square Footage of Lot: Campus	
Tax Assessor's Chart, Block & Lot Chart# 145 Block# 17 Lot# 003	Applicant *must be owner, Lessee or Buyer* Name Allied/Cook Construction Address P.O. Box 1396 City, State & Zip Portland, ME 04104	Telephone:
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name UNE Address 716 Stevens Ave City, State & Zip Portland, ME	Cost Of Work: $ 550,000 C of O Fee: $ Total Fee: $ 5,520

Current legal use (i.e. single family) College of Pharmacy - under construction
If vacant, what was the previous use?
Proposed Specific use: Academic Space
Is property part of a subdivision? No If yes, please name
Project description:
Vacant Space in basement establish as Classroom & Research Space

Contractor's name: Allied/Cook Construction
Address: P.O. Box 1396
City, State & Zip Portland, ME 04104 Telephone: 772-2558
Who should we contact when the permit is ready: Matt Cook Telephone: 749-5525
Mailing address: Same

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: Matt Cook Date: 3-26-09

This is not a permit; you may not commence ANY work until the permit is issue

State of Maine
Department of Public Safety

Construction Permit

Reviewed for Barrier Free

18311

Sprinkled
Sprinkler Supervised

U NEW ENGLAND COLLEGE PHARMACY LWR LEVEL CLASSRMS

Located at: 716 STEVENS AVENUE

PORTLAND

Occupancy/Use: BUSINESS

Permission is hereby given to:

UNIVERSITY OF NEW ENGLAND
ALAN THIBEAULT
716 STEVENS AVENUE
PORTLAND, ME 04103

to construct or alter the afore referenced building according to the plans hitherto filed with the Commisioner and now approved.

No departure from application form/plans shall be made without prior approval in writing. This permit is issued under the provision of Title 25, Chapter 317, Section 2448 and the provisions of Title 5, Section 4594 - F.

Nothing herein shall excuse the holder of this permit for failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions. Each permit issued shall be displayed/available at the site of construction.

This permit will expire at midnight on the 25 th of September 2009

Dated the 26 th day of March A.D. 2009

Commissioner

Copy-2 Architect

Comments:

LITA SEMRAU

65 NEWBURY STREET
PORTLAND, ME 04101

Lita - 761-9000
SEMRAU

College of Pharmacy -

1. Generator + Gas tanks → Hazzard (size of tanks) - Protection ?
2. STORAGE AREA - 029
   What? contents
3. Clean Room - use - occ. load -
4. Total OCC load UNLESS OR IBC
5. Area Mod. - IBC 506.2 ST footage add 75%
   Show calculations.

6 Bath fixtures - 172 UNE -
CODE justification 194 IBC (20 net) -
#'S.

200 ÷ 35 = 5 WC - Female
215 4 WC - Men w/ 2 Urinals.

M 200 ÷ 40 = 5 - 5 urinals. (Divide by 2)
F 200 ÷ 30 = 7

215 max occ. load.

Male	W.C. (1 per 40)	=	5
	Urinals (1 per 35)	=	6
	Lav (1 per 40)	=	5
female	Lav		
	W.C. - (1 per 30)	=	7
	Lavs -	=	5

1/1 2 O.K.

Mezzinine - 1. Equipt. Only - Access ?
2. Sprinkled spaces -
A. Above Vault
B. Mezz Area
C. Sprinkler Plan for entire space?

Fire Marshall Permit. →

Sep. Sprinkler + Alarm Permits required

Certificate of Design Application

From Designer: DAN BURNE P.E. / BECKER STRUCTURAL ENGINEERS

Date: 3-19-09

Job Name: UNE - COLLEGE OF PHARMACY CLASSROOMS

Address of Construction: 716 STEVENS AVE

2003 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year 2003 IBC Use Group Classification (s) B

Type of Construction VB

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC YES

Is the Structure mixed use? YES If yes, separated or non separated or non separated (section 302.3) SEPARATED

Supervisory alarm System? YES Geotechnical/Soils report required? (See Section 1802.2) N/A

Structural Design Calculations

COMPLETED Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (1603.1.1, 1807)

Floor Area Use	Loads Shown
ALL SPACES, UNO	100 PSF
MECH PLATFORM	40 PSF + UNIT WT.

Wind loads (1603.1.4, 1609)

N/A Design option utilized (1609.1.1, 1609.6)

N/A Basic wind speed (1809.3)

N/A Building category and wind importance Factor, I_w table 1604.5, 1609.5)

N/A Wind exposure category (1609.4)

N/A Internal pressure coefficient (ASCE 7)

N/A Component and cladding pressures (1609.1.1, 1609.6.2.2)

N/A Main force wind pressures (1603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

EQUIV FORCE Design option utilized (1614.1)

I Seismic use group ("Category")

0.256 Spectral response coefficients, SDs & SD1 (1615.1)

0.088 Site class (1615.1.5)

N/A Live load reduction

N/A Roof *live* loads (1603.1.2, 1607.11)

N/A Roof snow loads (1603.7.3, 1608)

N/A Ground snow load, P_g (1608.2)

N/A If P_g > 10 psf, flat-roof snow load P_f

N/A If P_g > 10 psf, snow exposure factor, C_e

N/A If P_g > 10 psf, snow load importance factor, I_s

N/A Roof thermal factor, C_t (1608.4)

N/A Sloped roof snow load, P_s (1608.4)

B Seismic design category (1616.3)

CMU/CONC SW Basic seismic force resisting system (1617.6.2)

3.0, 3.0 Response modification coefficient, R_I and deflection amplification factor C_d (1617.6.2)

EQUIV. FORCE Analysis procedure (1616.6, 1617.5)

0.6K Design base shear (1617.4, 16175.5.1)

Flood loads (1803.1.6, 1612)

N/A Flood Hazard area (1612.3)

N/A Elevation of structure

Other loads

UNIT - 1900 # Concentrated loads (1607.4)

N/A Partition loads (1607.5)

N/A Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404

Accessibility Building Code Certificate

Designer: Port City Architecture

Address of Project: UNE - College of Pharmacy - Lower Level Class Rooms

Nature of Project: Fit out w/ classrooms + ancillary spaces for UNE College of Pharmacy (currently under construction) at the lower level

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.

REGISTERED ARCHITECT
LITA
SEMRAU
NO. 2667
STATE OF MAINE

(SEAL)

Signature:

Title: Vice President

Firm: Port City Architecture

Address: 65 Newbury St
Portland, ME 04101

Phone: 761-9000

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov

Certificate of Design

Date: 3/18/09

From: Port City Architecture

These plans and / or specifications covering construction work on:

UNE - College of Pharmacy - Lower Level Classrooms

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the ***2003 International Building Code*** and local amendments.

(SEAL)

REGISTERED ARCHITECT
STATE OF MAINE

REGISTERED ARCHITECT
NO. 2667
STATE OF MAINE

Signature:

Title: Vice President

Firm: Port City Architecture

Address: 65 Newbury St
Portland ME 04101

Phone: 761.9000

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From: Marge Schmuckal
To: Shukria Wiar
Date: 3/26/2009 2:44:58 PM
Subject: UNE - COP basement

Shukria,
I just received an application for the change of use in the basement of the College of PHarmacy. Can we issue this permit?
Marge

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

SCALE 1/4"=1' 1/16=1' 1/8"=1' 1/2"=1' 3/4"=1' 1"=1'

COLLEGE OF PHARMACY-CLASSROOMS
UNIVERSITY OF NEW ENGLAND
Portland, Maine
FEBRUARY 11, 2009

BID DOCUMENTS
NOT FOR CONSTRUCTION

145.4.3
PDF
090243

LEGEND

- DETAIL NUMBER / SHEET WHERE DETAIL IS DRAWN / SHEET WHERE DETAIL IS TAKEN
- INDICATES BUILDING SECTION OR BUILDING ELEVATION / BUILDING SECTION LETTER / SHEET WHERE BUILDING SECTION IS DRAWN / SHEET WHERE BUILDING SECTION IS TAKEN
- INTERIOR ELEVATION NUMBER / SHEET WHERE ELEVATION IS DRAWN
- LIMIT OF WORK
- EXISTING WALL TO BE REMOVED
- EXISTING WALL
- WALL
- ELEVATOR LOBBY 101 — ROOM NAME AND NUMBER
- KEY NOTE
- 101 — DOOR NUMBER
- COLUMN GRID LINE
- ELEVATION TARGET
- WALL TYPE
- WINDOW TYPE

GENERAL NOTES

1. ALL MATERIALS, COMPONENTS, AND WORK ARE NEW AND SHALL BE PROVIDED IN THIS CONTRACT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
2. ALL WORK INCLUDED IN THIS CONTRACT SHALL CONFORM TO ALL STATE, NATIONAL AND OTHER CODES AND ORDINANCES WHICH APPLY TO THIS PROJECT.
3. IT IS THE INTENT AND MEANING OF THESE DRAWINGS THAT THE CONTRACTOR AND EACH SUBCONTRACTOR PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, SUPPLIES, EQUIPMENT, ETC. TO OBTAIN A COMPLETE JOB TO INDUSTRY STANDARD IN A PROFESSIONAL WORKMANLIKE MANNER.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCY(IES) IMMEDIATELY TO THE ARCHITECT.
5. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A NEAT AND CLEAN MANNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS WHICH ARE REQUIRED FOR THE SATISFACTORY COMPLETION OF THE WORK AND THE UNIVERSITY OF NEW ENGLAND SHALL BE RESPONSIBLE FOR PAYING ALL FEES, HOOK UP CHARGES, ETC. (STATE FIRE MARSHAL PERMIT BY OWNER)
7. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER FOR THE SEQUENCE AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. AREAS FOR STAGING ETC. MUST BE APPROVED BY THE OWNER.
8. THE CONTRACTOR SHALL DISPOSE OF AND / OR RECYCLE ANY CONSTRUCTION DEBRIS FROM THE PROJECT SITE AS REQUIRED BY THE STATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DISPOSAL PERMITS WHICH ARE REQUIRED. CONSTRUCTION DEBRIS FROM THE PROJECT SITE SHALL BE IMPOSED OF IN A STATE APPROVED LANDFILL.
9. ROOM NUMBERS ON THE DRAWING ARE FOR COORDINATION PURPOSES AND DO NOT NECESSARILY CORRESPOND TO ACTUAL ROOM NUMBERS.
10. DUTY OF COOPERATION: RELEASE OF THESE PLANS CONTEMPLATES FURTHER COOPERATION AMONG THE OWNER, THE CONTRACTOR, THE ARCHITECT AND HIS CONSULTANTS. DESIGN AND CONSTRUCTION ARE COMPLEX. ALTHOUGH THE ARCHITECT AND HIS CONSULTANTS HAVE PERFORMED THEIR SERVICES WITH DUE CARE AND DILIGENCE, THEY CANNOT GUARANTEE PERFECTION. COMMUNICATION IS IMPERFECT, AND EVERY CONTINGENCY CANNOT BE ANTICIPATED. ANY AMBIGUITY OR DISCREPANCY DISCOVERED BY THE USE OF THESE PLANS SHALL BE REPORTED IMMEDIATELY TO THE OWNER. FAILURE TO NOTIFY THE OWNER COMPOUNDS MISUNDERSTANDING AND MAY INCREASE CONSTRUCTION COSTS. A FAILURE TO COOPERATE BY A SIMPLE NOTICE TO THE OWNER SHALL RELIEVE THE OWNER AND THE ARCHITECT FROM RESPONSIBILITY FROM ALL COSTS.
11. THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE GENERAL CONTRACTOR SHALL PROVIDE FOR THE SAFETY, CARE OF UTILITIES AND ADJACENT PROPERTIES DURING CONSTRUCTION, AND SHALL COMPLY WITH STATE AND FEDERAL SAFETY REGULATIONS.
12. ALL MATERIALS AND WORK SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR FROM THE DATE OF FINAL PAYMENT.
13. ALL DOOR HANDLES TO BE ADA COMPLIANT LEVER HANDLES.
14. COORDINATE ALL MECHANICAL & ELECTRICAL DEVICES SO THEY DO NOT CONFLICT W/ ARCHITECTURAL FEATURES.

RENOVATION GENERAL NOTES

1. REMOVE WALLS AS NOTED ON PLANS. VERIFY THAT WALLS TO BE REMOVED ARE NON-LOAD BEARING. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. BEFORE PENETRATION, JOISTS, BEAMS OR OTHER STRUCTURAL MEMBERS, CONSULT WITH THE ARCHITECT FOR APPROVAL.
2. UNLESS OTHERWISE NOTED, REMOVE DOORS, BASE, TRIM, ELECTRICAL ITEMS, SURFACE MOUNTED ITEMS AND INTERIOR WINDOWS WITHIN WALLS TO BE REMOVED. UNLESS NOTED OTHERWISE, REMOVE WALLS TO THEIR FULL HEIGHT WHERE THEY ARE INDICATED FOR REMOVAL.
3. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS APPROVED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
4. WHERE REMOVALS OCCUR, PATCH HOLES AND AREAS OF MISSING FINISH (IE EXPOSED STUD AREAS WHERE WALLS ARE REMOVED, FLOOR FINISHES, ETC. TO MATCH EXISTING ADJACENT SURFACE). PROVIDE A SMOOTH CONTINUOUS SURFACE FREE OF SHADOW LINES.
5. WHERE NEW WALLS OR INFILLS ABUT OR INTERSECT EXISTING WALLS, ALIGN NEW FINISH WITH EXISTING WALLS, ALIGN NEW FINISH WITH EXISTING FINISH AND FINISH JOINTS AT INTERSECTIONS SMOOTH AND CONTIGUOUS.
6. ALL KNOW HAZARDOUS MATERIALS REMOVALS REQUIRED FOR THE SAFE IMPLEMENT OF THIS PROJECT HAVE BEEN REMOVED PRIOR TO THIS CONTRACT. IF ADDITIONAL SUSPECT MATERIALS ARE UNCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OR TESTING AND / OR REMOVAL. ANY ASBESTOS REMOVAL NECESSARY FOR THE SAFE IMPLEMENTATION OF THIS PROJECT SHALL BE CONTRACTED DIRECTLY BY THE OWNER. IF NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH THESE EFFORTS IF ENCOUNTERED.
7. UNLESS OTHERWISE NOTED, ALL ITEMS ON DEMOLITION PLANS ARE EXISTING.
8. REFER TO MECHANICAL, ELECTRICAL AND STRUCTURAL FOR ADDITIONAL DEMOLITION REQUIREMENTS.

TYPICAL ABBREVIATIONS

&	AND
ANG	ANGLE
@	AT
ADA	AMERICAN DISABILITIES ACT
ADJ	ADJUST OR ADJACENT
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ARCH	ARCHITECT OR ARCHITECTURAL
AVG	AVERAGE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
℄	CENTER LINE
CAB	CABINET
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
COR	CORNER
CPT	CARPET
CW	COLD WATER
DBL	DOUBLE
DEG	DEGREE
DHW	DOMESTIC HOT WATER
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWN SPOUT
DW	DISH WASHER
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATION
EMP	EMPLOYEE
ENCL	ENCLOSE
ENT	ENTRY or ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
or X	
EXP	EXPANSION
EXT	EXTERIOR
FBO	FURNISHED BY OWNER
FDN	FOUNDATION
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FIXT	FIXTURE
FLG	FLOORING
FLR	FLOOR
FLUOR	FLUORESCENT
FT	FOOT or FEET
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS
GWB	GYPSUM WALL BOARD
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HVAC	HEATING, VENTILATION & AIR CONDITION
IBC	INSTALLED BY CONTRACTOR
IN	INCHES
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
LAM	LAMINATED
LB	POUNDS
LF	LINEAR FEET
LL	LIVE LOAD
LWC	LIGHT WEIGHT CONCRETE
MAX	MAXIMUM
MECH	MECHANICAL
MFG	MANUFACTURE
MH	MAN HOLE
MIL	MILLIMETER
MIN	MINIMUM
MSB	MAIN SWITCH BOARD
MTD	MOUNTED
MTL	METAL
MW	MICROWAVE
N	NORTH
N/A	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
#	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVER HEAD
PAR	PARALLEL
P/C	PRECAST CONCRETE
PERF	PRETREATED
PERP	PERPENDICULAR
PL	PLATE
P-LAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
S	SOUTH
SAT	SUSPENDED ACOUSTICAL TILE
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SP	SHELL PACKAGE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
SQ	SQUARE
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
T	THERMOSTAT
T & B	TOP AND BOTTOM
TEL	TELEPHONE
TGL	TEMPERED GLASS
THICK	THICKNESS
TI	TENANT IMPROVEMENTS
T.O.	TOP OF
TOJ	TOP OF JOIST
TOS	TOP OF STEEL
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES, INC
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VERTICAL
VERT	VINYL COMPOSITE TILE
VIF	VERIFY IN FIELD
W	WIDE or WEST
WD	WOOD
WC	WATER COOLER
W	WITH
WO	WITHOUT
X	EXISTING

LIST OF DRAWINGS

BID DOCUMENTS - NOT FOR CONSTRUCTION

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65 NEWBURY STREET
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COLLEGE OF PHARMACY CLASSROOMS
716 STEVENS AVENUE, PORTLAND, ME

#	DATE	DESCRIPTION

MAR 26 2009

Date Issued 3/11/2009
Project Number 08518

SHEET NAME
TITLE PAGE

Drawn By E.A.C
Checked By L.A.S

LL
T1.1

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT – SCALE ACCORDINGLY

SCALE 0 1 2 3 1"=1'
SCALE 0 1 2 4 3/4"=1'
SCALE 0 1 2 6 1/2"=1'
SCALE 0 1' 2' 3' 6' 1/2"=1'
SCALE 0 2 4 8 1/4"=1'
SCALE 0 5 10 20 1/8"=1'
SCALE 0 10 20 40 1/16"=1'

GENERAL NOTES

1. THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES. INCONSISTENCIES BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
2. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
3. ALL DIMENSIONS, EXISTING CONDITIONS, AND AS-BUILT CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
4. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK CONTAINED IN THE S- DRAWINGS IS COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
5. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

DESIGN LOADS

1. BUILDING CODE:
   INTERNATIONAL BUILDING CODE, 2003 EDITION
   ASCE 7-02 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
2. DESIGN FLOOR LIVE LOADS:
   MECHANICAL PLATFORM: 40 PSF + UNIT WEIGHT

CONCRETE NOTES

1. CONCRETE WORK SHALL CONFORM TO "ACI MANUAL OF CONCRETE PRACTICE", LATEST EDITION. THIS PUBLICATION IS AVAILABLE THROUGH THE AMERICAN CONCRETE INSTITUTE (248) 848-3800.
2. PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH EXTERIOR CONCRETE, OR SLABS.
3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION.
4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND BE PROVIDED IN FLAT SHEETS.
5. MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS: #5 BARS, 5/8" DIAMETER WIRE, AND SMALLER, 1.5"
6. PROVIDE LAPPED BARS AT NECESSARY SPLICES. PROVIDE LAP SPLICE OF 36", FOR ALL REINFORCING UNLESS OTHERWISE SHOWN ON PLAN.
7. FOR ALL OPENINGS IN CONCRETE SLABS, PROVIDE SUPPLEMENTAL REINFORCING AROUND OPENING. NO PENETRATIONS SHALL BE MADE THROUGH FOOTINGS WITHOUT WRITTEN PERMISSION FROM ENGINEER.

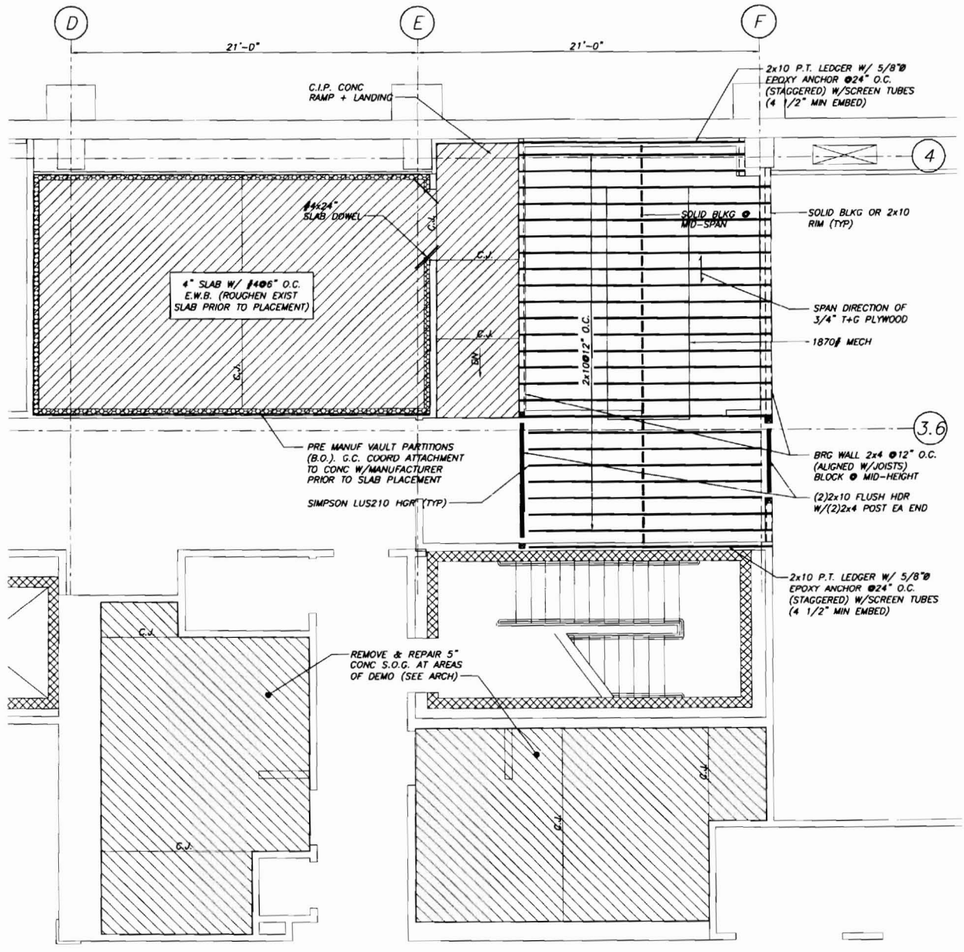
STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 13TH EDITION, AND THE "CODE OF STANDARD PRACTICE, LATEST EDITION.
2. STRUCTURAL STEEL: STEEL PLATES, SHAPES, AND BARS, SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (U.N.O.). STRUCTURAL STEEL SHAPES DESIGNATED ON THE DRAWINGS FOR WIDE-FLANGE SECTIONS: ASTM A992 (ASTM A572 GRADE 50 WITH SPECIAL REQUIREMENTS PER AISC TECHNICAL BULLETIN #3 DATED MARCH, 1997)
3. FIELD CONNECTIONS SHALL BE BOLTED USING 3/4" ⌀ DIAMETER ASTM A325N HIGH STRENGTH BOLTS (U.N.O.).
4. WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1- LATEST EDITION. ELECTRODES SHALL BE CONFORM TO AWS A5.1 E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMUM WELD (LOW HYDROGEN).
5. ALL STEEL SHALL BE FABRICATED AND SHIPPED AS BARE UN-PAINTED STEEL.
6. PROVIDE ALL ANGLES, PLATES, ANCHORS, BOLTS, ETC., SHOWN ON ARCHITECTURAL DRAWINGS.

TIMBER NOTES

1. ALL TIMBER FRAMING SHALL BE IN ACCORDANCE WITH THE AITC TIMBER CONSTRUCTION MANUAL – LATEST EDITION, AND THE AF & PA NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) 2001 EDITION.
2. INDIVIDUAL TIMBER FRAMING MEMBERS SHALL BE VISUALLY GRADED. MINIMUM GRADE NO1/NO2 SPRUCE-PINE-FIR KILN DRIED TO 19% MAXIMUM MOISTURE CONTENT UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
3. PRESSURE TREATED LUMBER SHALL BE SOUTHERN YELLOW PINE TREATED WITH CCA OR ACQ TO 0.4 #/CF IN ACCORDANCE WITH AWPA C-18. ACZA IS STRICTLY PROHIBITED.
4. FLOOR SHEATHING SHALL BE 3/4", APA RATED TONGUE AND GROOVE PANELS. GLUE AND NAIL TO FLOOR FRAMING WITH 8d RING SHANK NAILS AT 6" O.C. AT SUPPORTED PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.
5. ALL BUILT-UP BEAMS SHALL BE NAILED AS FOLLOWS (FASTENING IN EACH PLY):

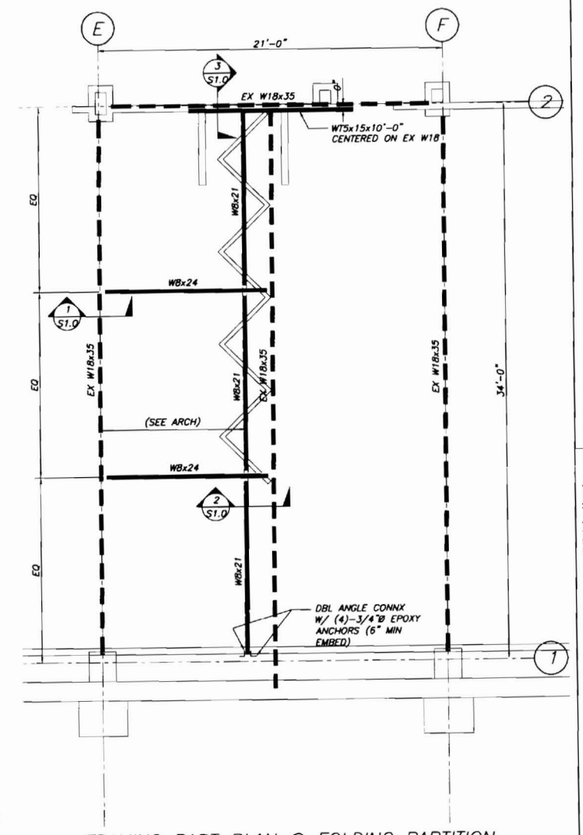
   UNIFORMLY LOADED BEAMS:
   BEAM DEPTH <16" – 2 ROWS OF 10d NAILS AT 12" O.C., STAGGERED
6. FASTENING NOT SPECIFIED SHALL CONFORM WITH IBC TABLE 2304.9.1.
7. ALL TIMBER CONNECTION HARDWARE (JOIST HANGERS, POST BASES, SHEARWALL HOLDOWNS, ETC) SHALL BE AS INDICATED ON THE DRAWINGS AND MANUFACTURED BY SIMPSON STRONG-TIE. ALL CONNECTION HARDWARE SHALL BE HOT-DIPPED GALVANIZED G-90 (U.N.O.). CONNECTION HARDWARE USED IN CONJUNCTION WITH PRESERVATIVE TREATMENT SHALL BE GALVANIZED G185 (ZMAX.) USE FASTENERS & HANGERS OF SAME MATERIAL & COATING. REFER TO MANUFACTURER'S LITERATURE FOR PROPER HANDLING AND INSTALLATION GUIDELINES.



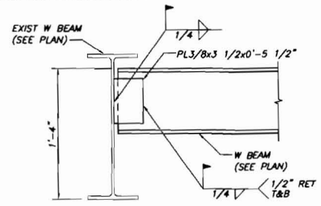
FOUNDATION PLAN/FRAMING PART PLAN @ VAULT & MEZZANINE OVER LOCKER ROOM
1/4"=1'-0"

NOTES:

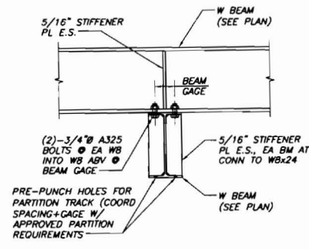
1. C.J. INDICATES CONTRACTION/CONSTRUCTION JOINT.



FRAMING PART PLAN @ FOLDING PARTITION
1/4"=1'-0"



SECTION 1 S1.0
1 1/2"=1'-0"



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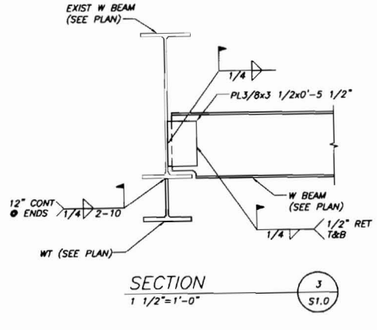
1 1/2"=1'-0"



SECTION 3 S1.0
1 1/2"=1'-0"

BID DOCUMENTS - NOT FOR CONSTRUCTION

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#	DATE	DESCRIPTION
		BID DOCUMENTS

Date Issued: 3/11/09
Project Number: 06506
Drawing Scale: AS NOTED

SHEET NAME
PART PLANS + DETAILS

Drawn By: CHF
Checked By: DSB

S1.0

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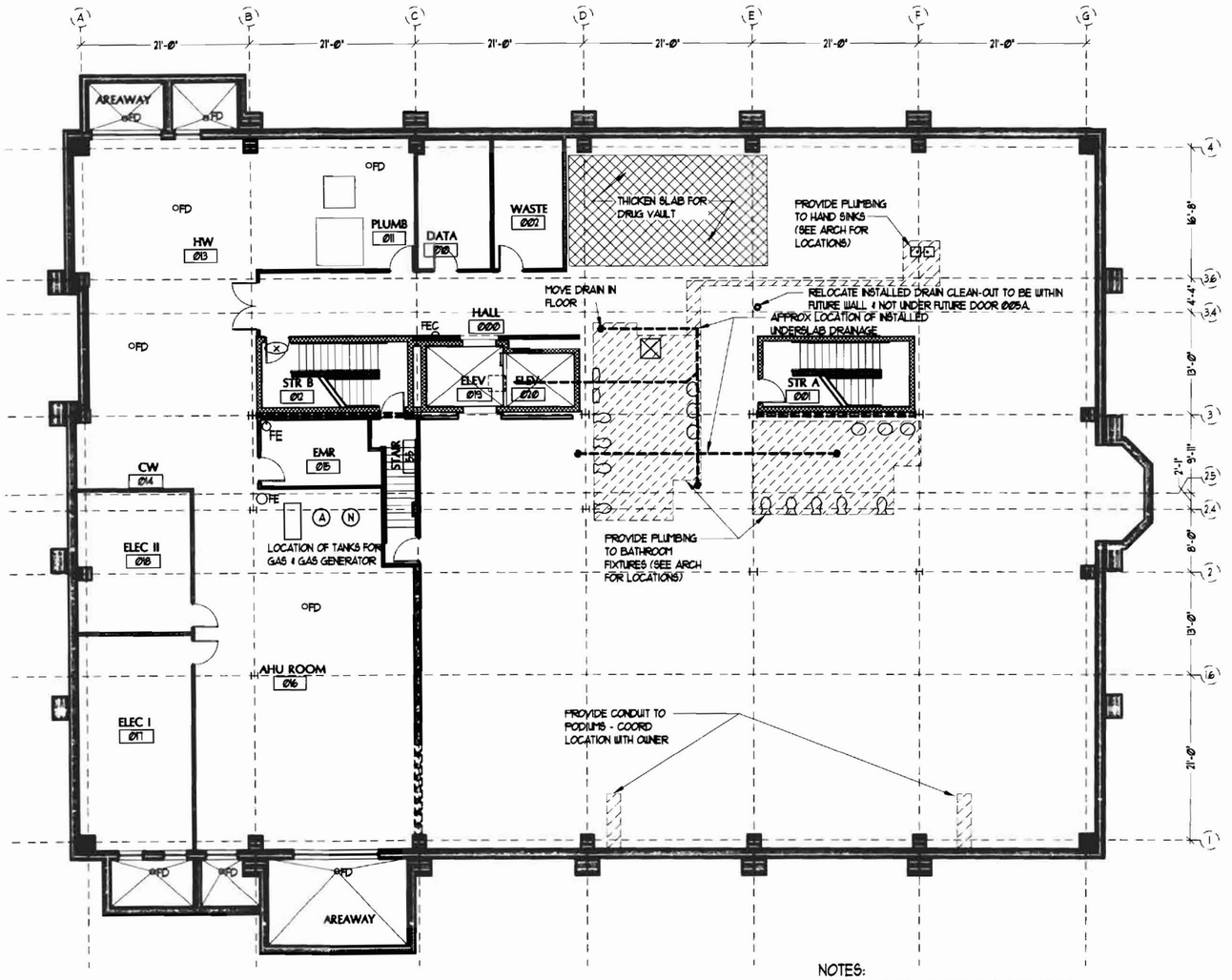

NOTES:
1. KEEP SLAB CUTTING AND REPLACEMENT TO A MINIMUM.
2. LOCATIONS OF SLAB REMOVAL AND REPLACEMENT SHOWN ON THIS PLAN AND LOCATIONS OF UNDERSLAB PIPES SHOWN ON PLAN ARE FOR GENERAL INFORMATION ONLY. CONTRACTOR TO VERIFY ALL LOCATIONS IN FEILD.
3. HATCHING DENOTES AREAS OF POTENTAIL DEMOLITION

LOWER LEVEL DEMO PLAN W/CLASSROOMS

SCALE: 1/8" = 1'-0"

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716 STEVENS AVENUE, PORTLAND, ME

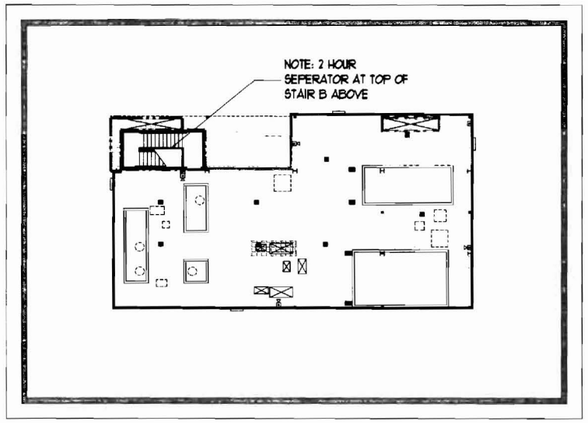
#	DATE	DESCRIPTION

Date Issued 3/11/2009
Project Number 08518

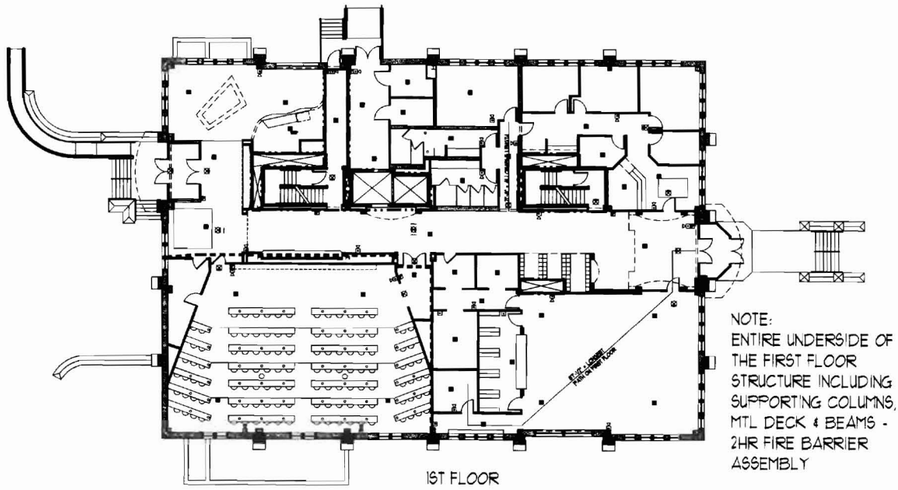
SHEET NAME
SLAB DEMO PLAN

Drawn By EAC
Checked By LAS

LL D1.1

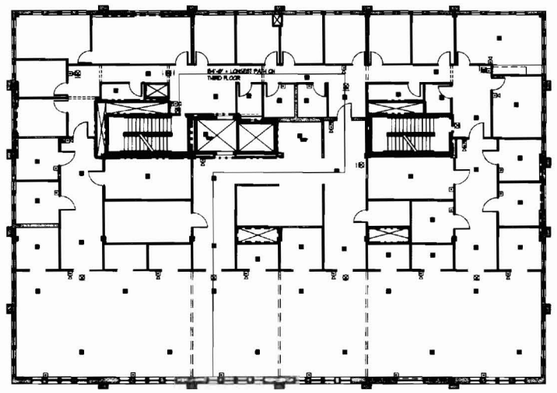


MECHANICAL MEZZANINE

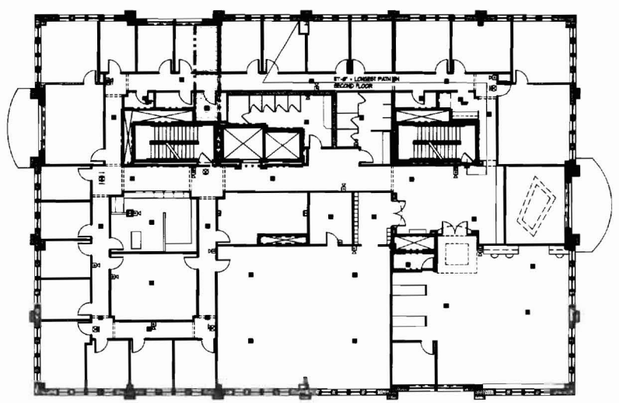


1ST FLOOR

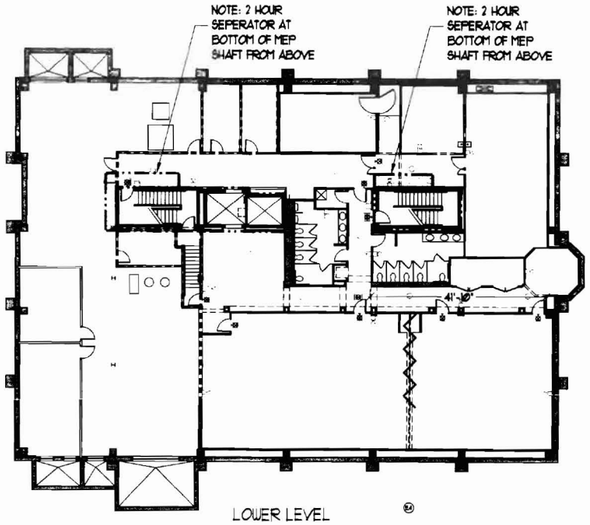
NOTE:
ENTIRE UNDERSIDE OF THE FIRST FLOOR STRUCTURE INCLUDING SUPPORTING COLUMNS, MTL DECK & BEAMS - 2HR FIRE BARRIER ASSEMBLY



THIRD FLOOR



SECOND FLOOR



LOWER LEVEL

LOWER LEVEL CODE ISSUES

- Two egress from each classroom is required
- 50'-0" max length dead-end corridor
- Max capacity of Lower Level is 215 (see below)
- one classroom has 56 people at 20 sf/person (UNE standard or 75 people by code at 15 sf/person) and the other 81 people at 20 sf/person (UNE standard or 104 people by code at 15 sf/person) for a total of 179 people in the classrooms (remember not based on who is there but how many could be there by code) - if this is going to be used as a reception area, we will have to cut the useable square foot down even more
- As a place holder, I have allocated +25 more people in the rest of the spaces . . . due to how close the numbers are, we will need to understand how the other spaces in the lower level are used to refine this number before we proceed much further
- Building load - we have the capability for 360 people in the two stairways - due to direct egress to the exterior for the first floor, we do not have to include the capacity of this floor. The capacity for the second floor is 100 and the capacity for the third floor is 45 for a total of 145 thus leaving us a capacity of 215 for the lower level . . as

1HR FIRE RATING

2HR FIRE RATING

1HR FLOOR FIRE RATING

2HR FLOOR FIRE RATING

BUILDING CODE ANALYSIS

UNIVERSITY OF NEW ENGLAND
COLLEGE OF PHARMACY

PROJECT DESCRIPTION: A NEW THREE-STORY BUILDING HOUSING COLLEGE CLASSROOMS, OFFICES, LABS, AND SUPPORT FUNCTIONS. THE GROSS BUILDING AREA IS 46,380 S.F. AND WILL BE CONSTRUCTED OF MATERIALS AS ALLOWED BY THE CONSTRUCTION TYPE. THERE WILL BE A FULLY AUTOMATIC SPRINKLER SYSTEM INSTALLED THROUGHOUT THE BUILDING WITH THE EXCEPTION OF THE ELECTRIC CLOSETS AND ELECTRIC ROOMS.

1. BUILDING CODES:	NFPA 101 LIFE SAFETY CODE, 2006 IBC INTERNATIONAL BUILDING CODE 2003 MAINE STATE PLUMBING CODE
2. CONSTRUCTION TYPE:	VB UNPROTECTED CONSTRUCTION
3. OCCUPANCY:	GROUP "B" BUSINESS
4. HEIGHT MODIFICATION:	IBC 504.2: ADD ONE STORY AND 20 FT. THEREFORE 3 STORY IS OK.
5. AREA MODIFICATION:	IBC TABLE 503: 9,000 S.F. IBC 506.2: STREET FRONTAGE: ADD 75% IBC 506.3: AUTOMATIC SPRINKLER: ADD 200% TOTAL ALLOWABLE: 33,750 S.F./ STORY
6. SEPARATIONS:	A. STAIRS AND ELEVATORS SERVE THREE STORIES PLUS BASEMENT AND ARE SEPARATED BY TWO-HOUR FIRE BARRIER. (IBC 707.4) B. FIRST FLOOR IS SEPARATED FROM BASEMENT BY A TWO-HOUR FIRE BARRIER TO ALLOW EXIT DISCHARGE FROM STAIR "A" THROUGH FIRST FLOOR TO EXIT BUILDING. (IBC 1023.1) C. LECTURE HALL IS ASSEMBLY USE AND IS SEPARATED AT WALLS BY A ONE-HOUR FIRE RATED SEPARATION. D. CORRIDOR WALLS ARE NOT RATED. (IBCTABLE 1016.1)
7. MEANS OF EGRESS:	EGRESS WIDTH SPRINKLERED BUILDING: STAIRWAY: 0.2" / PERSON; DOORS, RAMPS, & CORRIDORS: 0.15" / PERSON. MINIMUM CORR WIDTH: 44" WHERE SERVING > 50 OCC., 36" WHERE SERVING <50 MAXIMUM DEAD-END CORR: 50 FT MAXIMUM TRAVEL DISTANCE TO EXIT: 300 FT.

8. FIRE PROTECTION: PORTABLE FIRE EXTINGUISHERS (LS101 SECT 9.7.4.1)

BID DOCUMENTS - NOT FOR CONSTRUCTION

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716 STEVENS AVENUE, PORTLAND, ME

#	DATE	DESCRIPTION

Date Issued 3/11/2009
Project Number 08518

SHEET NAME
EMERGENCY CODE PLAN

Drawn By EAC
Checked By LAS

LL
A0.1

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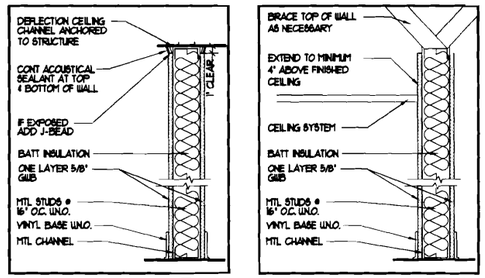
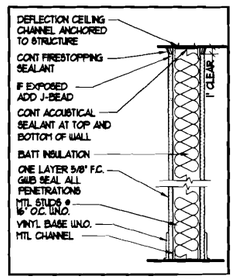
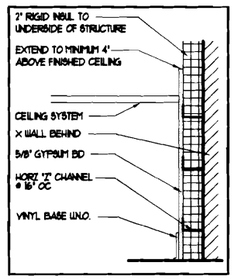


3 5/8" METAL STUD FULL HGT ACOUSTICAL WALL	AA
6" METAL STUD FULL HGT ACOUSTICAL WALL	AB
(2) 3 5/8" METAL STUDS - FULL HGT ACOUSTICAL WALL (SEE PLAN FOR THICK.)	AC
2X4 STUD FULL HGT ACOUSTICAL WALL	AD
2X8 STUD FULL HGT ACOUSTICAL WALL	AE
3 5/8" METAL STUD PARTITION WALL	EA
6" METAL STUD PARTITION WALL	EB



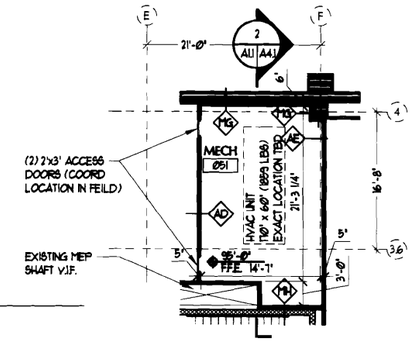


3 5/8" METAL STUD-FULL HGT 1 HOUR RATED UL U495 WALL ASSEMBELY	1A
2" "Z" CHANNEL W/ 2" INSUL 5/8" GWB TO 4" ABOVE FIN. CEILING	MA
2" "Z" CHANNEL W/ 2" INSUL 5/8" GWB TO STRUCT ABOVE	MB
3 5/8" MTL STUD W/ 2" INSUL GLUED HORIZONTALLY TO CONC BEHIND 5/8" GWB TO 4" ABOVE FIN CEILING	MC
3 5/8" MTL STUD W/ 2" INSUL GLUED HORIZONTALLY TO CONC BEHIND 5/8" GWB TO STRUCT. ABOVE	MD
3 5/8" MTL STUD W/ AIR SPACE (SEE PLAN FOR THICK.) 2" "Z" CHANNEL W/ 2" INSUL 5/8" GWB TO 4" ABOVE FIN. CEILING	ME
3 5/8" MTL STUD W/ AIR SPACE (SEE PLAN FOR THICK.) 2" "Z" CHANNEL W/ 2" INSUL 5/8" GWB TO STRUCT. ABOVE	MF
2X4 WD STUD W/ 2" INSUL GLUED HORIZONTALLY TO CONC BEHIND 5/8" GWB TO STRUCT. ABOVE	MG
2X4 WD STUD W/ 1/2" PLYWOOD BEHIND GWB	MH

FURRED WALL W/ 1/8" MTL HAT CHANNEL	NA
FURRED WALL W/ 3 5/8" MTL STUD - SEE PLAN FOR THICKNESS	NB
FURRED WALL W/ 3 5/8" MTL STUD TO UNDERSIDE OF STRUCT ABOVE	NE

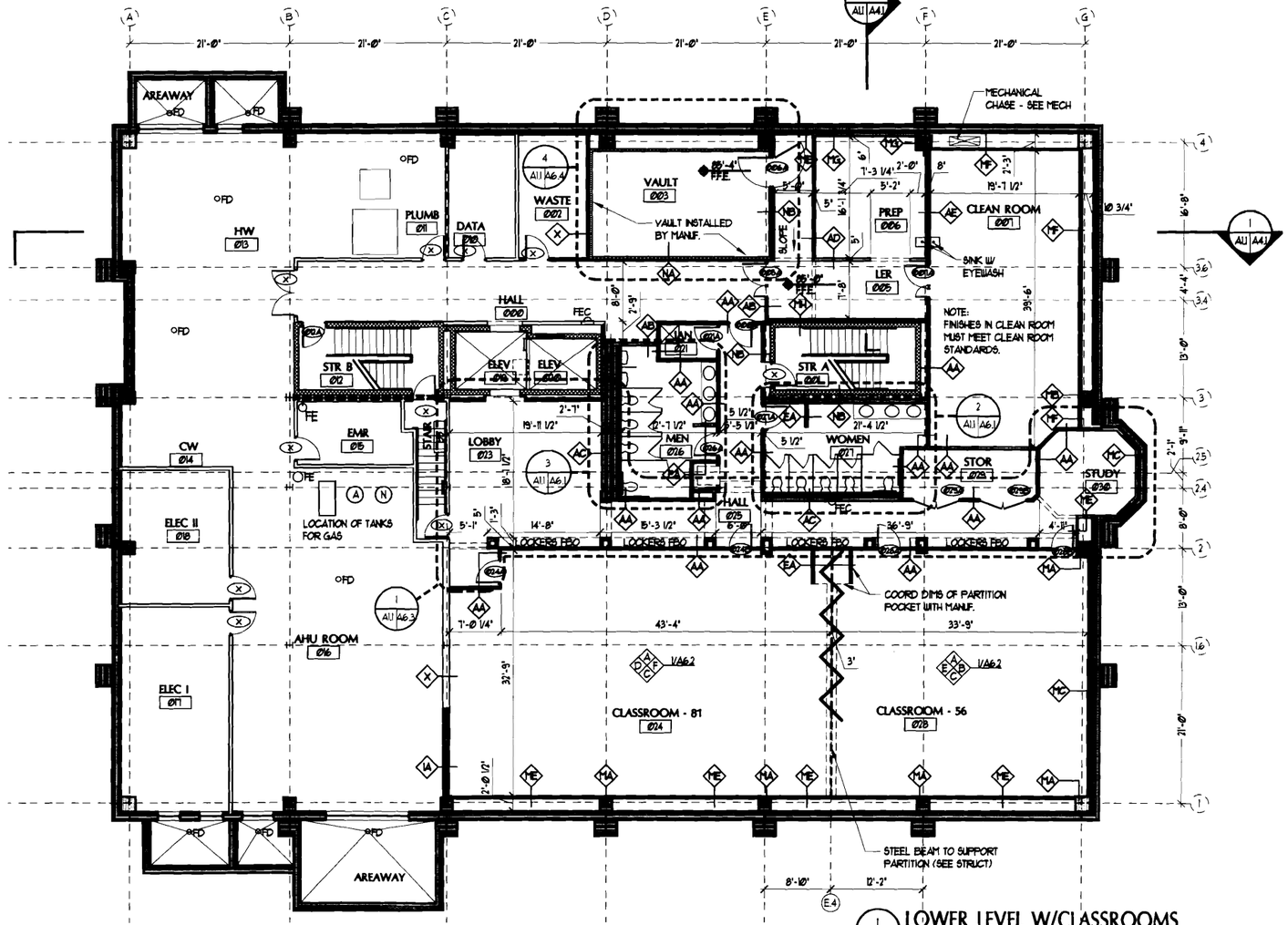
GENERAL WALL TYPE NOTES:

1. IN RESEARCH LABS, NMR AND VIVARIUM HOLD GWB MINIMUM 4" FROM FINISH FLOOR
2. AT ALL WET AREAS NOT ALREADY INDICATED AS WATER RESISTANT, WATER RESISTANT GWB NEEDS TO BE PROVIDED



MECHANICAL SPACE PLAN

SCALE: 1/8" = 1'-0"



LOWER LEVEL W/CLASSROOMS

SCALE: 1/8" = 1'-0"

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#	DATE	DESCRIPTION

Date Issued 3/11/2009
Project Number 08518

SHEET NAME
PLAN

Drawn By EAC
Checked By LAS

LL A1.1

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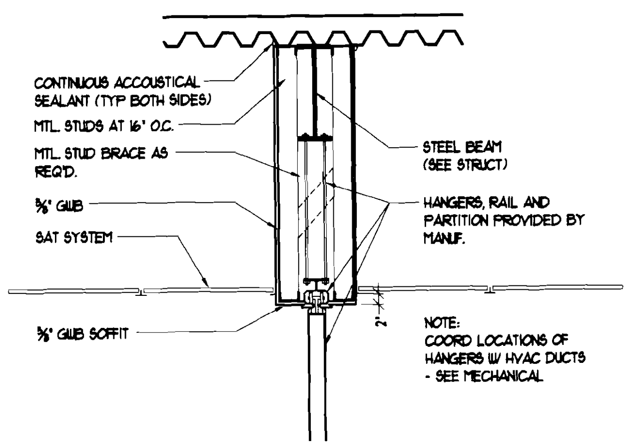
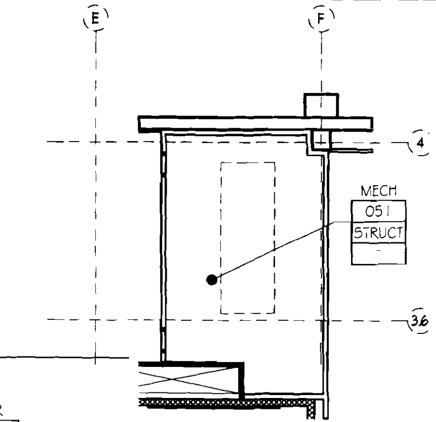


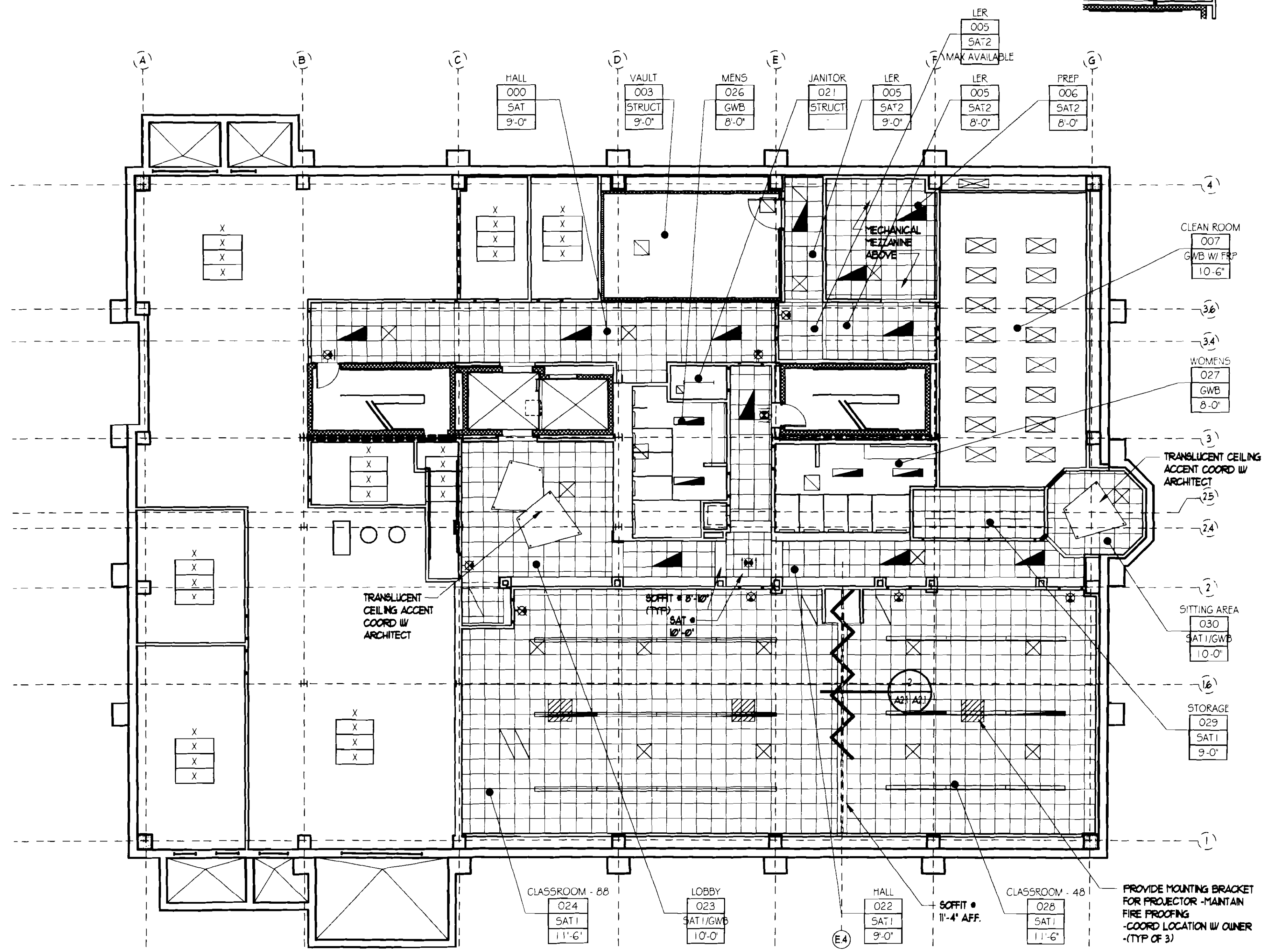
2 A2.1 A2.1 PARTITION WALL SOFFIT DETAIL

SCALE: 3/4" = 1'-0"



2 A1.1 A2.1 MECHANICAL SPACE RCP

SCALE: 1/8" = 1'-0"



1 A1.1 A2.1 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

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PORT CITY ARCHITECTURE
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UNIVERSITY OF NEW ENGLAND
COLLEGE OF PHARMACY CLASSROOMS
716 STEVENS AVENUE, PORTLAND, ME

#	DATE	DESCRIPTION

Date Issued 3/11/2009
Project Number 08518
1/8" = 1'-0"
SHEET NAME
REFLECTED CEILING PLAN

Drawn By EAC
Checked By LAS

LL
A2.1

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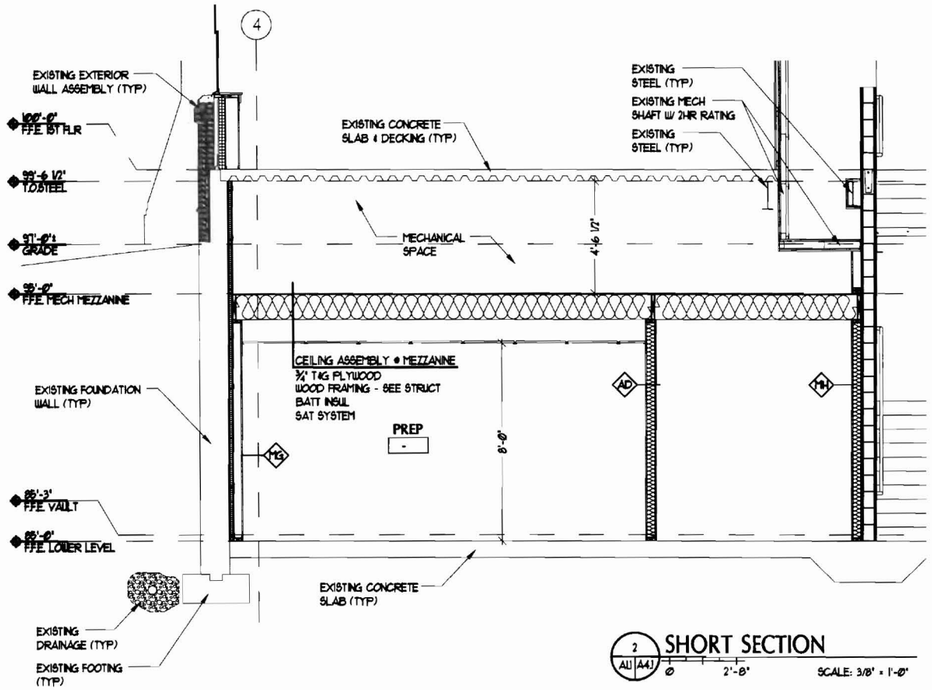
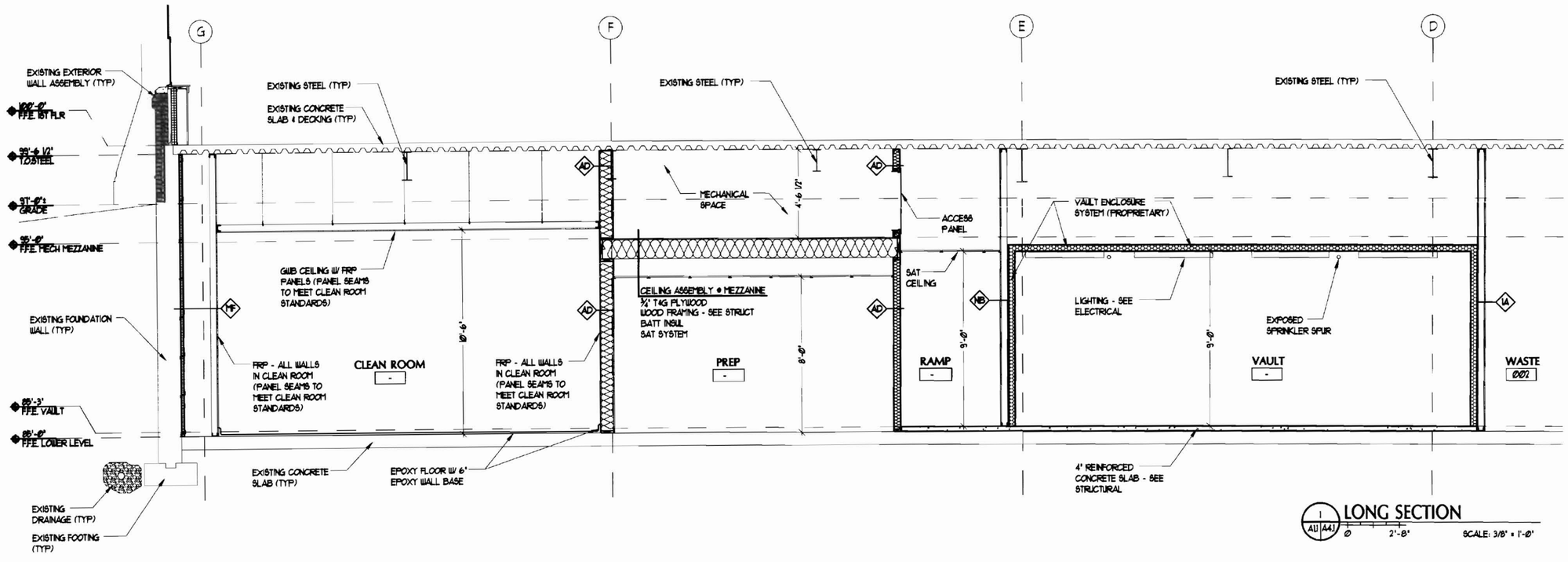


2 AU|A4.1 SHORT SECTION

Ø 2'-8" SCALE: 3/8" = 1'-0"



1 AU|A4.1 LONG SECTION

Ø 2'-8" SCALE: 3/8" = 1'-0"

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716 STEVENS AVENUE, PORTLAND, ME

#	DATE	DESCRIPTION

Date Issued 3/11/2009
Project Number 0851B

SHEET NAME
BUILDING SECTION

Drawn By EAC
Checked By LAS

LL A4.1

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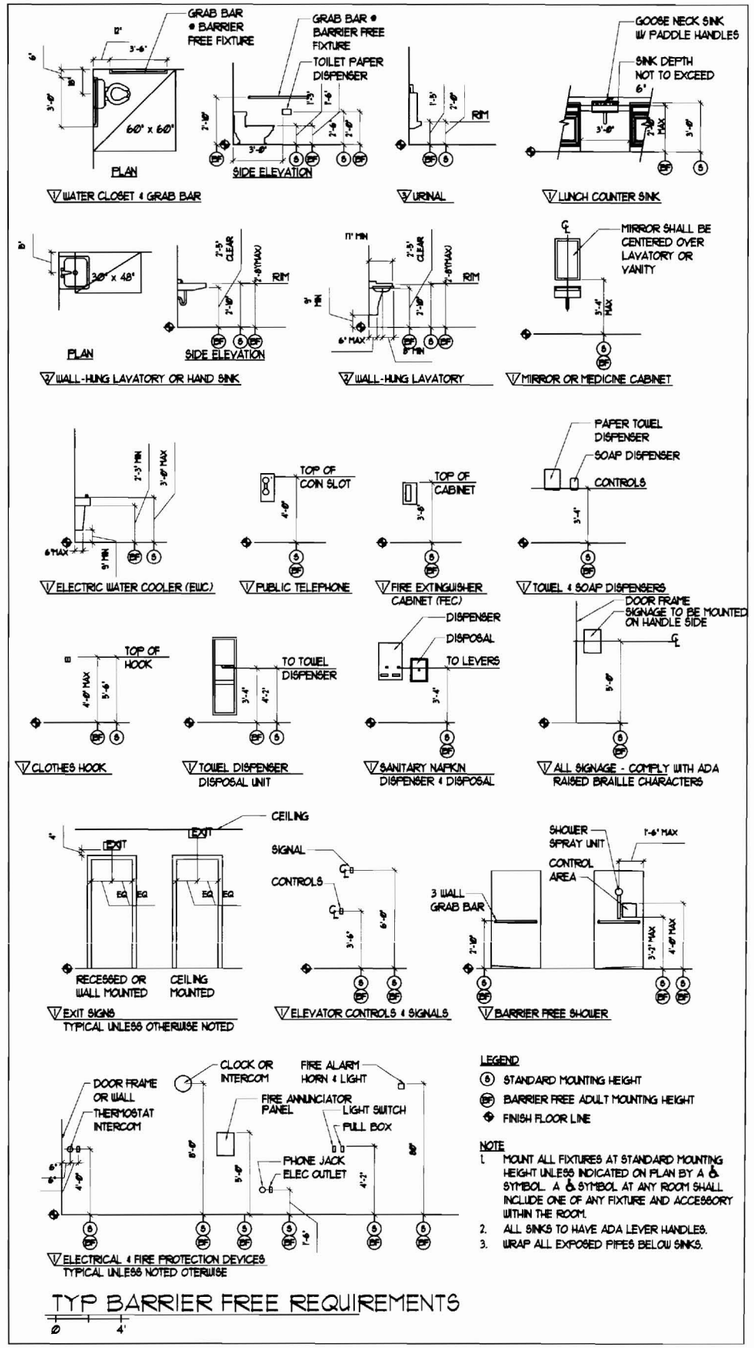

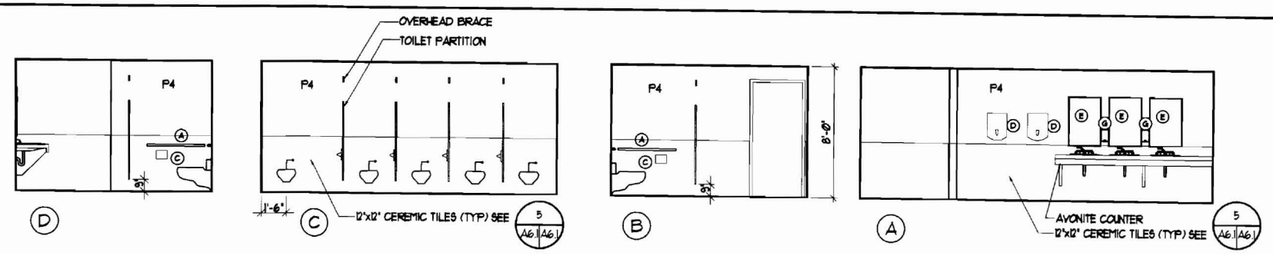

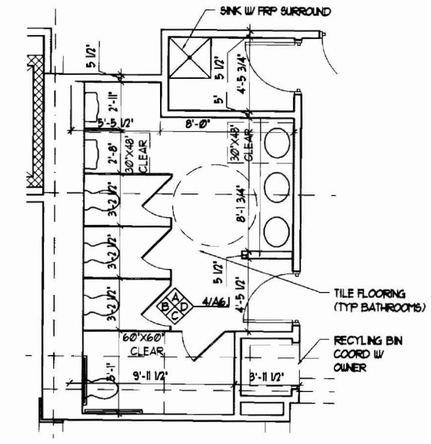

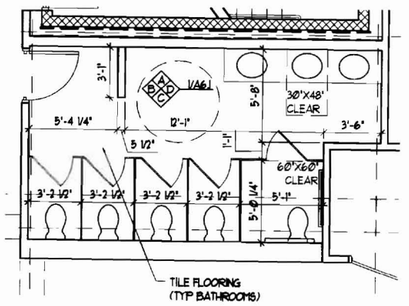

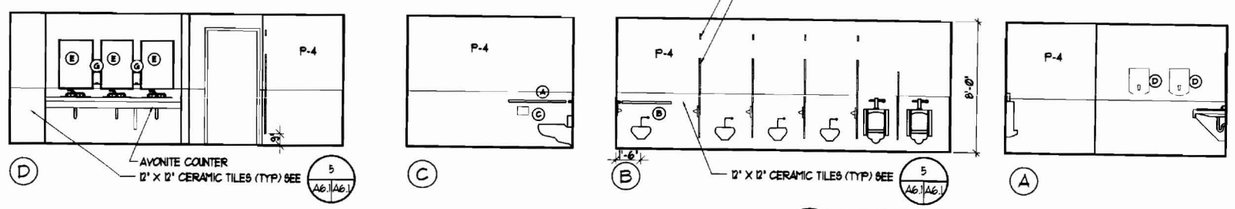

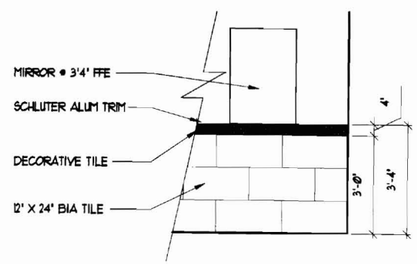

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SHEET NAME
ADA & BATH INTERIOR ELEVS.

Drawn By EAC
Checked By LAS

LL
A6.1

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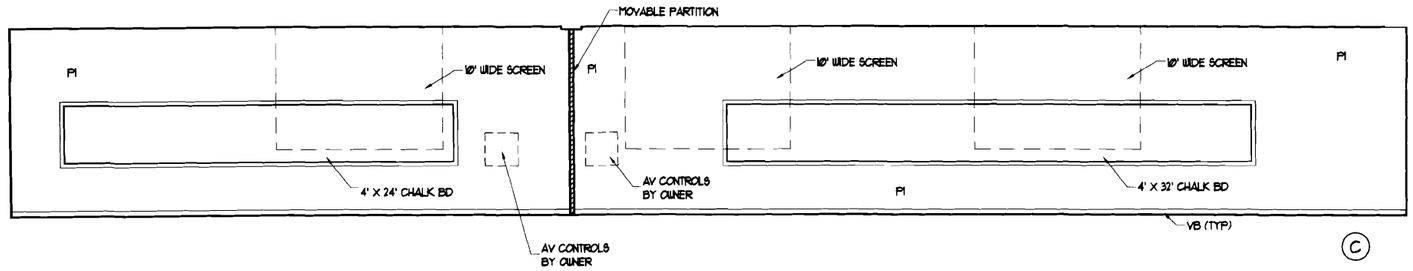

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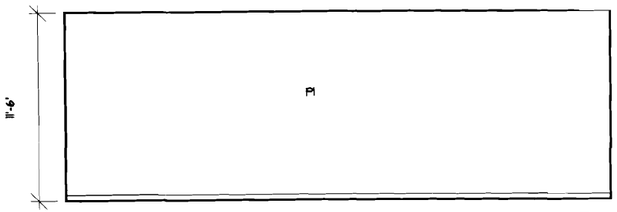

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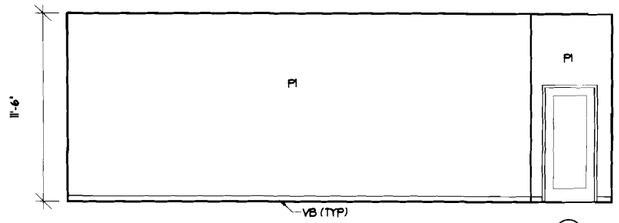

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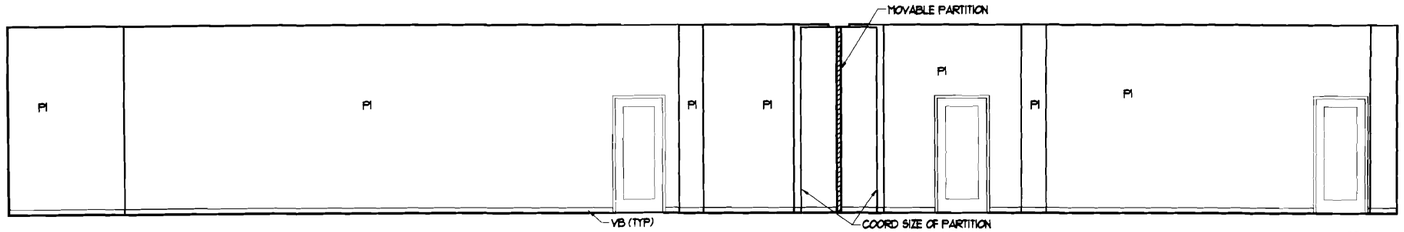

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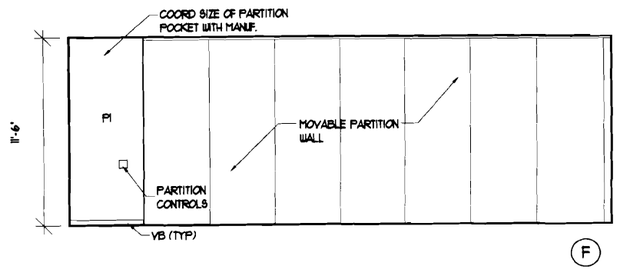

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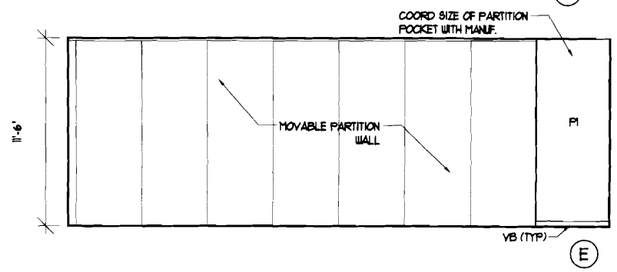

E

CLASSROOM ELEVATIONS

1 / A1 A6.2 — SCALE: 1/4" = 1'-0"

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SHEET NAME
INTERIOR ELEVS.

Drawn By EAC
Checked By LAB

LL
A6.2

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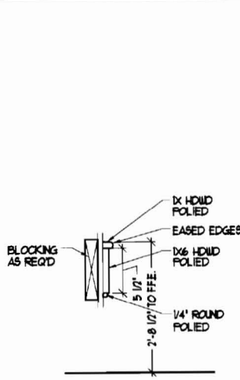
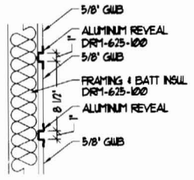


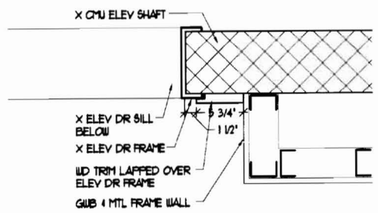
5 A6.3/6/3 CHAIR RAIL DETAIL

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



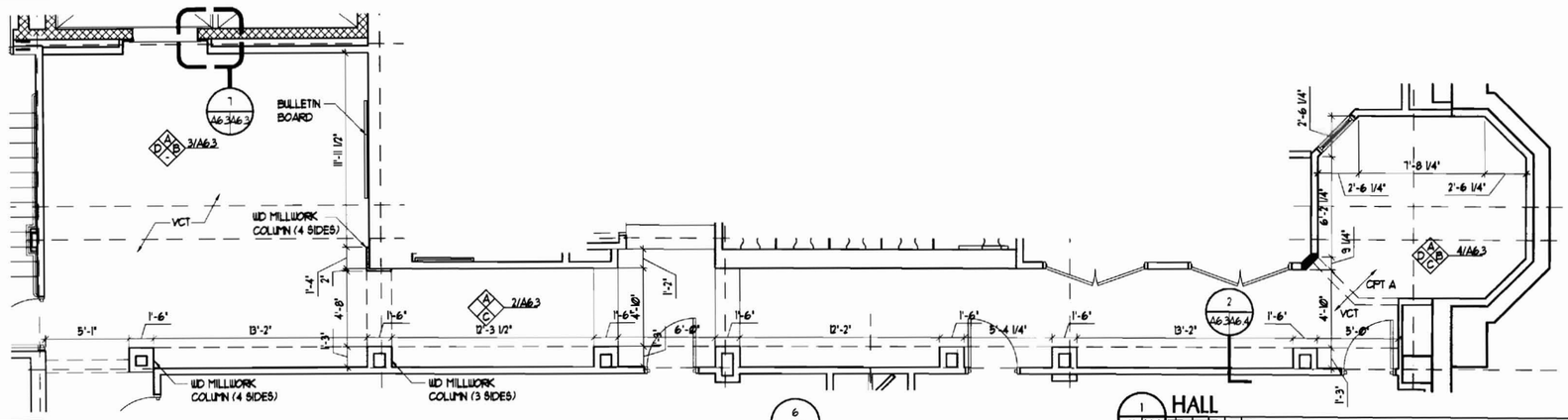
6 A6.3/6/3 GWB REVEAL DETAIL

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



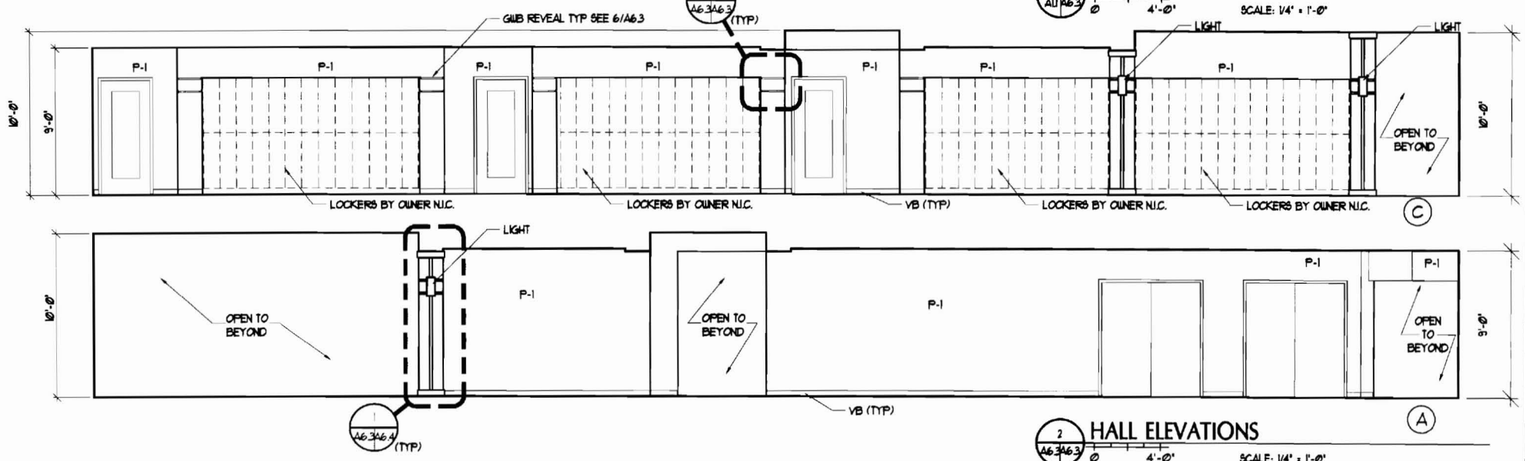
7 A6.3/6/3 ELEV DOOR FRAME DETAIL

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



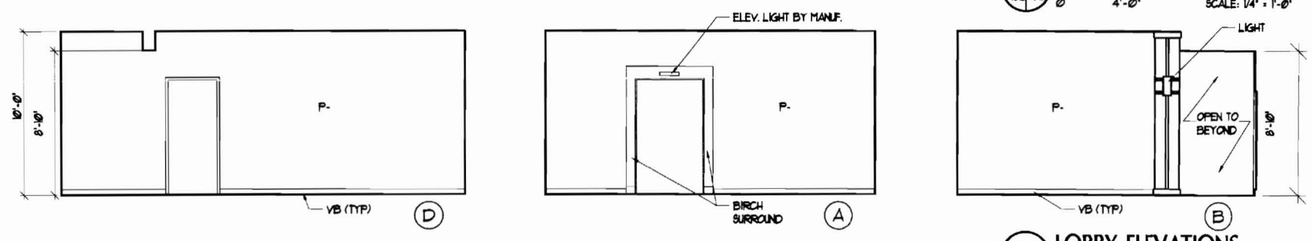
1 AII/A6.3 HALL

SCALE: 1/4" = 1'-0"



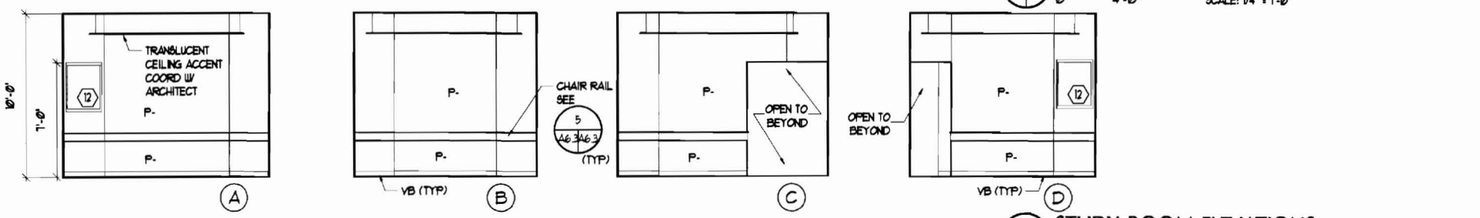
2 A6.3/6/3 HALL ELEVATIONS

SCALE: 1/4" = 1'-0"



3 A6.3/6/3 LOBBY ELEVATIONS

SCALE: 1/4" = 1'-0"



4 A6.3/6/3 STUDY ROOM ELEVATIONS

SCALE: 1/4" = 1'-0"

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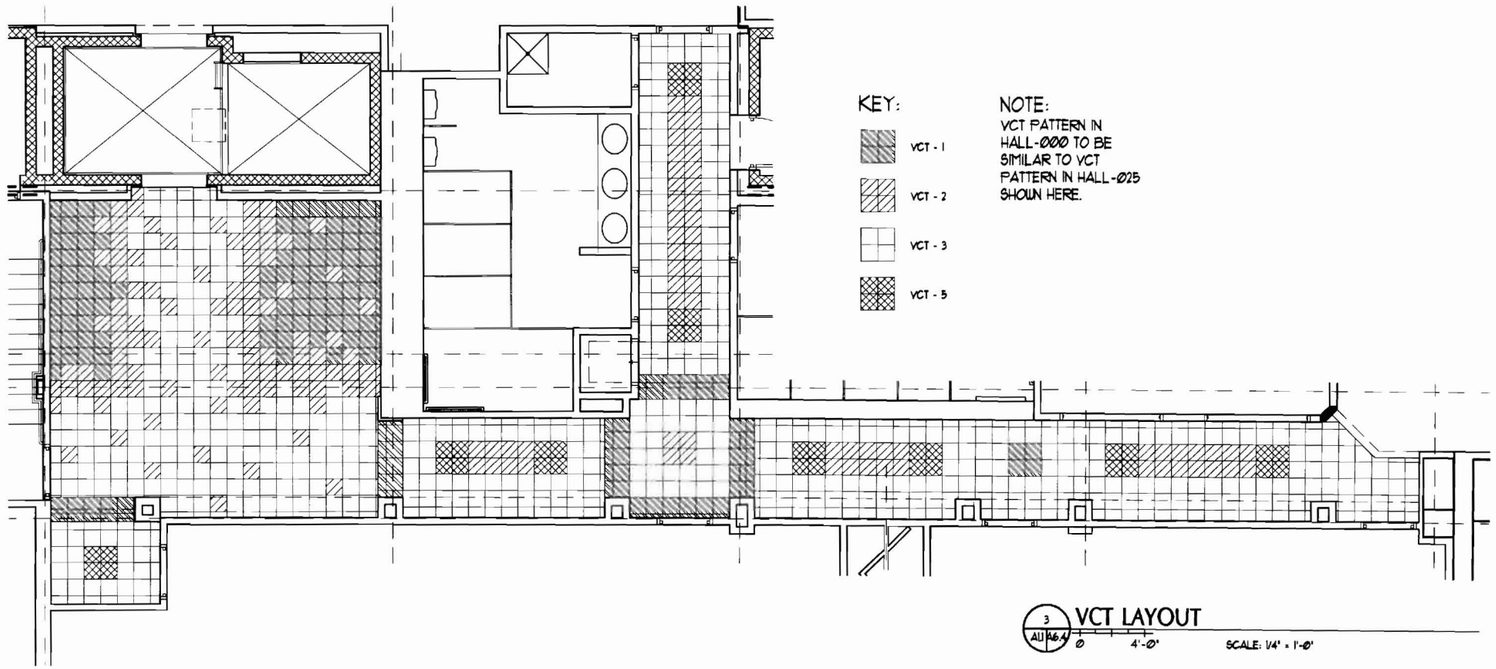
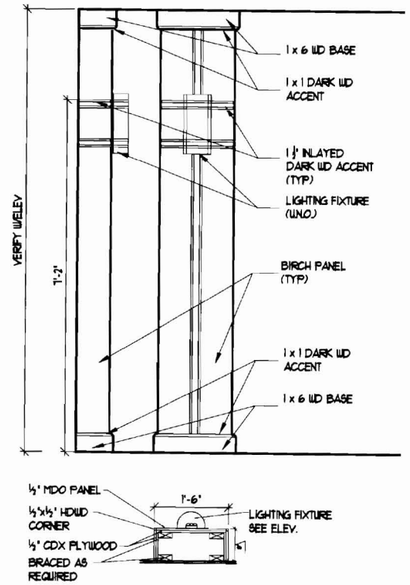
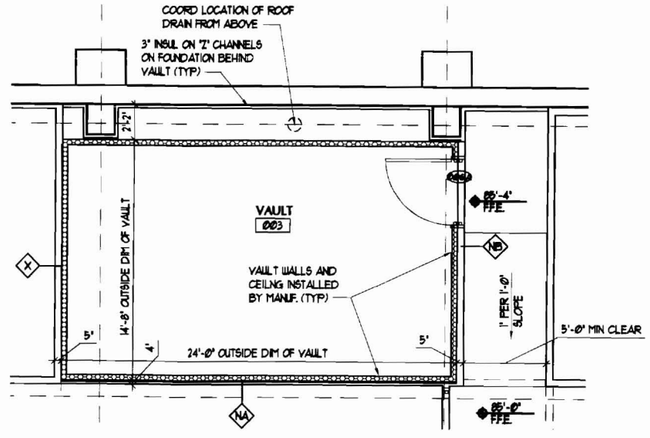


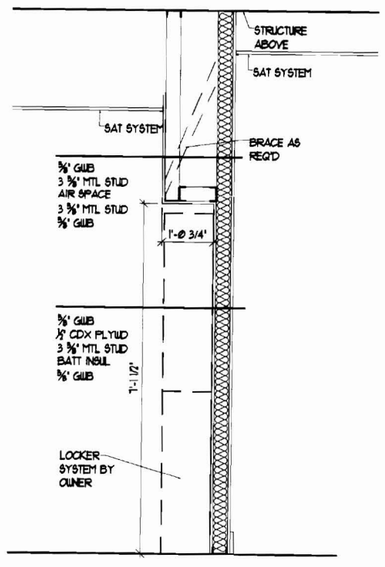
3 / A1 / A6.4 VCT LAYOUT
0 4'-0" SCALE: 1/4" = 1'-0"



1 / A6.3/A6.4 COLUMN ELEVATION
0 1'-4" SCALE: 3/4" = 1'-0"



4 / A1 / A6.4 VAULT DETAIL PLAN
0 4'-0" SCALE: 1/4" = 1'-0"



2 / A6.3/A6.4 LOCKER DETAIL
0 1'-4" SCALE: 3/4" = 1'-0"

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A6.4

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ROOM FINISH SCHEDULE

		Floors			Wainscott		Walls								Celing		
Num	Description	Floor	Color(s)	Base	Mat	Height	N	Finish	E	Finish	S	Finish	W	Finish	Mat	Height	Notes
000	Hall	VCT		VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT1	9'-0"	
001	Stair A	x					x		x		x		x				
002	Waste	x					x		x		x		x				
003	Vault	VCT	1&2	VB			STRUC	-	STRUC	-	STRUC	-	STRUC	-	STRUCT	-	B, D
004	NOT USED																
005	LER	VCT	1&2	VB			GWB	PTD 1	GWB	PTD 1	GWB	PTD 1	GWB	PTD 1	SAT2	VARIES	D
006	Prep Room	VCT	1&2	VB			GWB	PTD 1	GWB	PTD 1	GWB	PTD 1	GWB	PTD 1	SAT2	9'-6"	D
007	Clean Room	EPOXY		EPOXY			FRP	-	FRP	-	FRP	-	FRP	-	FRP	10'-6"	
008	NOT USED																
009	NOT USED																
010	Data	x															
011	Plumb	x															
012	Stair B	x															
013	HW	x															
014	CW	x															
015	EMR	x															
016	AHU Room	x															
017	Elec I	x															
018	Elec II	x															
019	Elev	x															
020	Elev	x															
021	Janitor	VCT		VB			GWB	PTD 1	GWB	PTD 1	GWB	PTD 1	GWB	PTD 1	STRUCT	-	
022	Hall	VCT	1,2,3,5	VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT 1	9'-0"	
023	Lobby	VCT	1,2,3,5	VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT 1	10'-0"	
024	Classroom	CPT	C	VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT 1	11'-6"	
025	Hall	VCT	1,2,3,5	VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT 1	9'-0"	
026	Men	TILE		TILE	TILE		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	8'-0"	
027	Women	TILE		TILE	TILE		GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	8'-0"	
028	Classroom	CPT	C	VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT 1	11'-6"	
029	Storage	VCT		VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT 1	9'-0"	
030	Study	CPT	A	VB			GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	SAT 1	10'-0"	C
055	Stair	x					x		x		x		x				

NOTES:
A. Seal Conc Floor
B. Vault to be installed by other
C. Chair Rail
D. VCT to be checker-board pattern

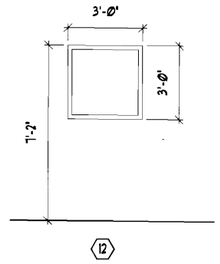
DOOR SCHEDULE

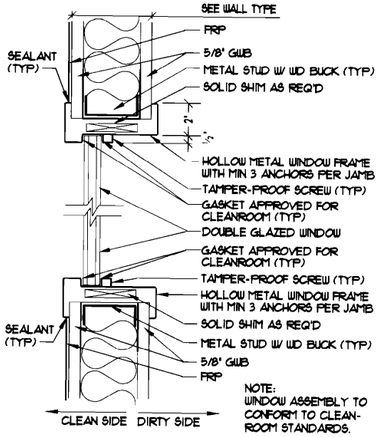
			Door			Frame	Note
Num	Description	Size	Mat	Type	Rating		
000A	Hall to Hall	3'0" x 7'0"	WD	9	N/A	MTL	B
003A	Lab to Vault	42"x78"					A
005A	Hall To LER	3'0" x 7'0" & 1'6" x 7'0"	WD	13	N/A	MTL	B
007A	LER to Fill Room	3'0" x 7'0" & 1'6" x 7'0"	WD	13	N/A	MTL	B
012A	Stair to Hall	Existing					B
021A	Hall to Janitor	3'0" x 7'0"	WD	5	N/A	MTL	
024A	Hall to Classroom	3'0" x 7'0"	WD	3	N/A	MTL	
024B	Hall to Classroom	3'0" x 7'0"	WD	3	N/A	MTL	
026A	Hall to Men	3'0" x 7'0"	WD	5	N/A	MTL	
027A	Hall to Women	3'0" x 7'0"	WD	5	N/A	MTL	
028A	Hall to Classroom	3'0" x 7'0"	WD	3	N/A	MTL	
028B	Hall to Classroom	3'0" x 7'0"	WD	3	N/A	MTL	
029A	Hall to Storage	(2) 3'6" x 7'0"	WD	6	N/A	MTL	
029B	Hall to Storage	(2) 3'6" x 7'0"	WD	6	N/A	MTL	

NOTES:
A. Provided by Manufacturer
B. Provide security swipe card.
C. Automatic door opener
D. Sliding
E. ADD ALT #
F. Overhead door
G. Provide blocking for future door - see add alter
H. MTL door frame only
J. Provide read film at door window
K. Undercut doors 3/4"
L. Provide Blue Light and 2-way Radio

WINDOW SCHEDULE

TYPE	WINDOW SIZE: W x H	WINDOW MAT	WINDOW OPERATION	DETAILS HEAD	DETAILS JAMB	DETAILS SILL
1, 11	SEE CoP SET DATED 3/1/08	-	-	-	-	-
12	3'-0" x 3'-0"	MTL	FIXED	4/A7.1	4/A7.1	4/A7.1



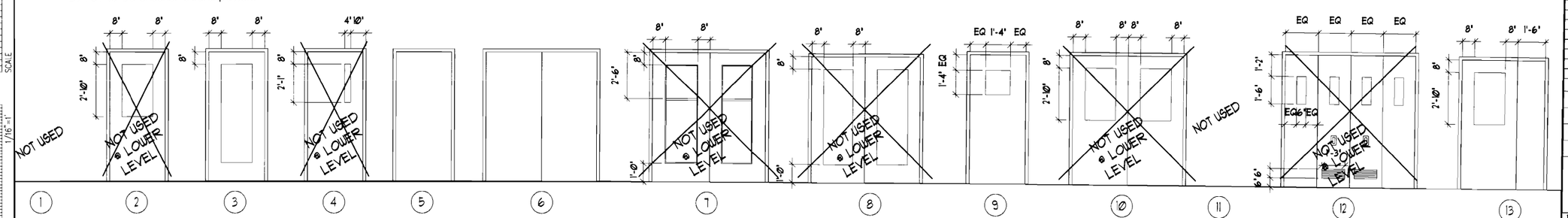


3 A7.1 A7.1 WINDOWS — SCALE: 3/8" = 1'-0"

4 A7.1 A7.1 METAL WINDOW DETAIL — SCALE: 3" = 1'-0"

3 A7.1 A7.1 NOT USED — SCALE: 3/8" = 1'-0"

2 A7.1 A7.1 DOOR FRAME DETAILS — SCALE: 3" = 1'-0"



1 A7.1 A7.1 DOORS — SCALE: 3/8" = 1'-0"

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SHEET NAME
SCHEDULES

Drawn By EAC
Checked By LAS

LL
A7.1

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ELECTRICAL LEGEND:

LIGHTING

- 2'x4' FLUORESCENT LIGHT FIXTURE. 'A' DENOTES FIXTURE TYPE. '1' DENOTES CIRCUIT NUMBER. 'a,b' DENOTE SWITCH CONTROLLERS: 'a' - OUTSIDE LAMPS 'b' - MIDDLE LAMP(S) HALF SHADED FIXTURES INDICATE FIXTURE TO BE FURNISHED WITH AN INTEGRAL EMERGENCY BALLAST
- 2'x2' FLUORESCENT LIGHT FIXTURE. 'A' DENOTES FIXTURE TYPE. SEE NOMENCLATURE ABOVE
- 8' PENDANT INDIRECT LIGHT FIXTURE (LENGTHS MAY VARY) SEE NOMENCLATURE ABOVE
- RECESSED DOWNLIGHT (DIAMETER MAY VARY) HALF SHADED FIXTURES INDICATE FIXTURE TO BE FURNISHED WITH AN INTEGRAL EMERGENCY BALLAST
- SURFACE MOUNTED FLUORESCENT STRIP LIGHT FIXTURE (LENGTHS MAY VARY) SEE NOMENCLATURE ABOVE
- SURFACE MOUNTED FLUORESCENT, STAGGERED STRIP LIGHT FIXTURE FIXTURE (LENGTHS MAY VARY) SEE NOMENCLATURE ABOVE
- ROUND WALL BRACKET. SEE NOMENCLATURE ABOVE
- SQUARE WALL BRACKET. SEE NOMENCLATURE ABOVE
- WALL SCONCE. SEE NOMENCLATURE ABOVE
- CEILING MOUNTED EXIT SIGN. ARROWS INDICATE DIRECTION TO EXIT SHADING INDICATES SIDE(S) TO HAVE 'EXIT' STENCIL SEE NOMENCLATURE ABOVE
- WALL MOUNTED EXIT SIGN SEE NOMENCLATURE ABOVE
- WALL MOUNTED COMBINATION EBU / EXIT SIGN SEE NOMENCLATURE ABOVE
- WALL MOUNTED FLOOD LIGHT / REMOTE HEAD
- Sa — SINGLE POLE SWITCH 'a' DENOTES SPECIFIC LAMPS TO BE CONTROLLED MOUNTED 48" ABOVE FINISHED FLOOR
- S3 — THREE WAY SWITCH. SEE NOMENCLATURE ABOVE MOUNTED 48" ABOVE FINISHED FLOOR
- SD — SINGLE POLE 1500W DIMMER MOUNTED 48" ABOVE FINISHED FLOOR
- TC — 7 DAY, ASTRONOMICAL, DAY OMITTING, 24 HOUR TIMECLOCK WITH SKIP A DAY FEATURE. SIMILAR TO PARAGON 4 POLE EC7000 SERIES
- PC — PHOTOCELL

LIGHTING CONTROL SYSTEM

- CEILING MOUNTED PASSIVE INFRARED / MICROPHONIC OCCUPANCY SENSOR WATT STOPPER NO.: DT-355 OR EQUAL
- CEILING MOUNTED PASSIVE INFRARED / MICROPHONIC NARROW BEAM OCCUPANCY SENSOR WATT STOPPER NO.: WT-2255 OR EQUAL
- WALL MOUNTED PASSIVE INFRARED / MICROPHONIC OCCUPANCY SENSOR WATT STOPPER NO.: WA-200 OR EQUAL
- WALL MOUNTED DUAL-SWITCHABLE OCCUPANCY SENSOR WATT STOPPER NO.: WA-300 OR EQUAL
- WALL MOUNTED DIMMABLE OCCUPANCY SENSOR WATT STOPPER NO. WD-170 (120V), WD-180 (277V) OR EQUAL

POWER

- DUPLEX CONVENIENCE OUTLET, 20A 125V, 2 POLE, 3 WIRE, U SLOT GROUNDED TYPE MOUNTED 18" ABOVE FINISHED FLOOR (TO CENTER LINE) '1' INDICATES CIRCUIT NUMBER 'IG' INDICATES ISOLATED GROUND
- DUPLEX CONVENIENCE OUTLET, 20A 125V, 2 POLE, 3 WIRE, U SLOT GROUNDED TYPE MOUNTED 48" ABOVE FINISHED FLOOR OR 18" ABOVE COUNTER (TO CENTER LINE) SEE NOMENCLATURE ABOVE
- DUPLEX CONVENIENCE OUTLET, 20A 125V 2 POLE, 3 WIRE, U SLOT GROUNDED TYPE ONE-HALF SWITCHED MOUNTED 18" ABOVE FINISHED FLOOR (TO CENTER LINE) SEE NOMENCLATURE ABOVE
- DOUBLE DUPLEX OUTLET, MOUNTED 18" ABOVE FINISHED FLOOR SEE NOMENCLATURE ABOVE
- DOUBLE DUPLEX OUTLET, MOUNTED 40" ABOVE FINISHED FLOOR SEE NOMENCLATURE ABOVE
- 'GFI' TYPE DUPLEX CONVENIENCE OUTLET MOUNTED 18" ABOVE FINISHED FLOOR 'WP' - DENOTES TO BE PROVIDED WITH A WEATHERPROOF ENCLOSURE SEE NOMENCLATURE ABOVE
- 'GFI' TYPE DUPLEX CONVENIENCE OUTLET, MOUNTED 48" ABOVE FINISHED FLOOR SEE NOMENCLATURE ABOVE
- 'GFI' TYPE DUPLEX CONVENIENCE OUTLET, ONE HALF SWITCHED MOUNTED 48" ABOVE FINISHED FLOOR SEE NOMENCLATURE ABOVE
- DUPLEX CONVENIENCE OUTLET, RECESSED IN FLOOR SEE NOMENCLATURE ABOVE
- 20A — SPECIAL PURPOSE OUTLET, RATING AS INDICATED ON DRAWING '20A' DENOTES AMPERAGE. EXACT MOUNTING HEIGHT SHALL BE VERIFIED IN FIELD
- THERMAL SWITCH, HORSEPOWER RATED
- NON-FUSED DISCONNECT SWITCH SIZE AND RATING AS INDICATED ON DRAWINGS
- FUSED DISCONNECT SWITCH SIZE AND RATING AS INDICATED ON DRAWINGS
- COMBINATION MOTOR STARTER / FUSED DISCONNECT SWITCH SIZE AND RATING AS INDICATED ON DRAWINGS
- MOTOR STARTER SIZE AND RATING AS INDICATED ON DRAWINGS
- MUSHROOM BUTTON / MOMENTARY SWITCH
- TWO BUTTON SWITCH
- THREE BUTTON SWITCH
- FOUR BUTTON SWITCH
- FAN / MOTOR '2' DENOTES HORSEPOWER / WATTAGE
- F/L — COMBINATION FAN LIGHT
- EF — EXHAUST FAN

POWER (CONT.)

- 'LP' — RECESSED PANELBOARD 'LP' - DENOTES PANEL DESIGNATION
- 'LP' — SURFACE MOUNTED PANELBOARD 'LP' - DENOTES PANEL DESIGNATION
- POWER POLE
- RANGE HOOD
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND DUPLEX RECEPTACLE
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND QUADRAPLEX RECEPTACLE
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND SPECIAL PURPOSE RECEPTACLE. RATED AS INDICATED ON DRAWINGS
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND HARD WIRED CONNECTION
- J — 4" CIRCULAR JUNCTION BOX
- V — VOLT METER
- A — AMP METER
- VS — VOLT METER SWITCH
- AS — AMP METER SWITCH
- R — RELAY
- C — CONTROLLER
- T — TRANSFORMER RATING AS INDICATED ON DRAWINGS DIMENSIONS VARY
- M — METER

DATA/ COMMUNICATION/ SECURITY

- W — TELEPHONE OUTLET MOUNTED 18" ABOVE FINISHED FLOOR. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A FLUSH MOUNTED, SINGLE PORT, MODULAR RJ11 TELEPHONE JACK WITH 1-4/C #24 AWG, CATAGORY 3, TELEPHONE CABLE FROM EACH OUTLET INDICATED ON THE PLANS TO THE TEL/DATA ROOM. 'W' - DENOTES PHONE MOUNTED 48" ABOVE FINISHED FLOOR
- DATA OUTLET MOUNTED 18" ABOVE FINISHED FLOOR. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A FLUSH MOUNTED, SINGLE PORT, MODULAR RJ45 DATA JACK WITH 1-8/C #24 AWG, CATAGORY 6, DATA CABLE FROM EACH OUTLET INDICATED ON THE PLANS TO THE TEL/DATA ROOM.
- TEL/DATA OUTLET MOUNTED 18" ABOVE FINISHED FLOOR. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 2 FLUSH MOUNTED MODULAR RJ45 DATA JACKS WITH 2-8/C #24 AWG, CATAGORY 6, DATA CABLES FROM EACH OUTLET INDICATED ON THE PLANS TO THE TEL/DATA ROOM.
- DATA OUTLET RECESSED IN FLOOR SEE NOMENCLATURE ABOVE
- TELEPHONE OUTLET RECESSED IN FLOOR SEE NOMENCLATURE ABOVE
- TEL/DATA OUTLET RECESSED IN FLOOR SEE NOMENCLATURE ABOVE
- CABLE T.V. OUTLET. MOUNT 18" A.F.F. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL AN OUTLET BOX, FACEPLATE W/ 'F' CONNECTOR AND A SINGLE COAXIAL CABLE FROM EACH OUTLET TO THE TEL/DATA ROOM. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL CABLE COMPANY FOR EXACT CABLE TYPE
- CR — SECURITY SYSTEM CARD READER / SWIPE

ONE-LINE

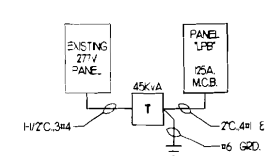
- 20A/1P — CIRCUIT BREAKER TOP VALUE DENOTES BREAKER RATING BOTTOM VALUE DENOTES NUMBER OF POLES
- FUSE
- SINGLE POLE SWITCH
- PUSH BUTTON
- FUSE AND SWITCH
- GFI — GROUND FAULT SENSOR
- C — COIL
- ST — SHUNT TRIP COIL
- PT'S — POTENTIAL TRANSFORMER
- CT'S — CURRENT TRANSFORMER
- TRANSFORMER
- AUTOMATIC TRANSFER SWITCH (ATS)
- BATTERY
- GROUND CONDUCTOR
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR
- G — GENERATOR RATING AS INDICATED ON DRAWINGS

WIRING

- LP1-1,3 — HOMERUN - CABLE 'LP1' - DENOTES PANELBOARD '1,3' - DENOTES CIRCUITS 'TICKS' INDICATE NUMBER OF CONDUCTORS IN THE RUN
- LP1-1,3 — HOMERUN - PIPE 'LP1' - DENOTES PANELBOARD '1,3' - DENOTES CIRCUITS 'TICKS' INDICATE NUMBER OF CONDUCTORS IN THE RUN
- 1 — LOAD CENTER DESIGNATION '1' INDICATES WIRE & BREAKER SIZE/ RATING (SEE TYPICAL HOME RUN SCHEDULE)
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- CONDUIT STUB
- WIRE BREAK
- NORMAL POWER WIRING
- EMERGENCY POWER WIRING
- TEL/DATA WIRING
- LOW VOLTAGE CONTROL WIRING
- ISOLATED GROUND WIRING 'TICK SETS (1 SHORT & 1 LONG)' INDICATE NUMBER OF CONDUCTORS IN THE RUN

ABBREVIATIONS & NOTATION

- RTU 1 — MECHANICAL EQUIPMENT DESIGNATION CONTENTS DESCRIBE MACHINERY (BY MECHANICAL ENGINEER)
- 1 — REVISION TAG '1' - DENOTES REVISION NUMBER
- A.F.F. — ABOVE FINISHED FLOOR
- A.F.G. — ABOVE FINISHED GRADE
- E.C. — ELECTRICAL CONTRACTOR
- EX — EXISTING TO REMAIN
- ER — EXISTING TO BE RELOCATED
- ETR — EXISTING TO BE REMOVED
- EXP — EXPLOSION PROOF
- G.C. — GENERAL CONTRACTOR
- WP — WEATHERPROOF



PARTIAL POWER ONE-LINE

SCALE: NOT TO SCALE

GENERAL NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH NATIONAL AND STATE ELECTRICAL CODES, LOCAL ORDINANCES, AND REQUIREMENTS OF THE WIRING INSPECTOR.
2. MATERIALS
   a. ALL WIRING SHALL BE COPPER, 90 AMPS OR LESS SHALL BE 60° CELSIUS., 100 AMPS OR MORE SHALL BE 75° CELSIUS. GENERAL BRANCH WIRING SHALL BE TYPE 'MC' CABLE FOR GENERAL INTERIOR WIRING AND EMT FOR ANY EXPOSED BRANCH CIRCUIT WIRING.
   b. ALL PRODUCTS AND DEVICES SHALL BE NEW AND BEAR THE THE UNDERWRITERS' LABORATORIES LABEL. DEVICES SHALL BE SPECIFICATION GRADE. COLOR OF DEVICES SHALL BE COORDINATED WITH THE ARCHITECT.
3. PERFORM ALL WORK IN A WORKMANLIKE AND TIMELY MANNER SUBJECT TO THE APPROVAL OF THE ARCHITECT.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSURANCE, PERMITS, FEES AND BACKCHARGES REQUIRED FOR THE PERFORMANCE OF HIS/HER WORK.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE THE ELECTRICAL WORK WITH ALL OTHER TRADES. ANY CONFLICT SHALL BE PRESENTED TO THE GENERAL CONTRACTOR AND ARCHITECT PRIOR TO INSTALLATION OF WORK.
6. PANEL DIRECTORIES SHALL REFLECT THE WORK PERFORMED UNDER THIS CONTRACT. PANELS SHALL BE PROVIDED WITH TYPED DIRECTORIES.
7. ALL PRODUCTS SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY OWNER.
8. ALL WIRING AND EQUIPMENT ARE DEPICTED DIAGRAMMATICALLY. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD AND ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
9. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER AND LIGHTING. SPECIAL PURPOSE POWER REQUIREMENTS SHALL BE PAID FOR BY THE TRADE REQUIRING SAME. (WELDERS, COMPRESSORS, ETC.)
10. SHOP DRAWINGS SHALL BE SUBMITTED ON ALL ELECTRICAL EQUIPMENT, BEFORE PROCUREMENT OF EQUIPMENT.
11. ALL NEW WIRING INDICATED ON PLANS SHALL MATCH THE AMPACITY OF THE CIRCUIT BREAKER INDICATED AT THE HOMERUN. WHERE NO BREAKER SIZE IS INDICATED, THE BREAKER SHALL BE 20A/1P WITH #12 AWG CABLE.
12. WIRE AND CONDUIT SIZES INDICATED ON HOMERUNS SHALL RUN CONTINUOUS THROUGHOUT CIRCUIT.
13. CONDUITS AND CIRCUITRY INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. FINAL LOCATION OF CONDUITS SHALL BE FIELD COORDINATED SO AS TO AVOID CONFLICTS WITH OTHER TRADES.
14. ALL 120 VOLT BRANCH CIRCUITS WHEN 100 LINEAR FEET OR MORE FROM LAST OUTLET OR FIXTURE IN CIRCUIT TO RESPECTIVE PANELBOARDS SHALL BE A MINIMUM OF #10 AWG COPPER WIRE(S).
15. COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH H.V.A.C., PLUMBING AND FIRE PROTECTION CONTRACTORS.
16. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET PROJECT CONDITIONS.
17. THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND EXACT LOCATIONS AGAINST ARCHITECTS REFLECTED CEILING PLANS, ELEVATIONS AND DETAIL DRAWINGS.
18. ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILING.
19. ALL WIRING IN CLASSIFIED AREAS SHALL COMPLY WITH ARTICLE 511.3 OF THE NATIONAL ELECTRIC CODE.
20. WIRING THAT PENETRATES FLOOR SLABS SHALL BE IN RIGID STEEL CONDUIT AND SEALED WITH THE APPROPRIATE SEAL FITTINGS. ALL SEALING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 501.15 OF THE NATIONAL ELECTRIC CODE.

LIGHTING FIXTURE SCHEDULE

ALL FLUORESCENT BALLAST'S SHALL BE OF THE ELECTRONIC, UNIVERSAL TYPE, MANUFACTUYRED BY ADVANCE OR EQUAL

DESIG	MANUFACTURER	CATALOG NUMBER	MTG	VOLT	LAMP		REMARKS
					QTY	DESCRIPTION	
A	LITHONIA	LP6F-32TRT-120-GEB10 / 607AZ	R	277	1	32W CFL / 3500K	6" DOWNLIGHT
B1	PEERLESS	7CRM7-1-R4-120-GEB10-SCT-ACG-SCEP	P	277	1	54W T5HO / 3500K	4' PENDANT INDIRECT
B2	PEERLESS	7CRM7-1-R8-120-GEB10-SCT-ACG-SCEP	P	277	2	54W T5HO / 3500K	8' PENDANT INDIRECT
C	LITHONIA	2AV-G-2-54T5HO-MDR-120-GEB10PS-EL55	R	277	2	54W T5HO / 3500K	2'x4' RECESSED INDIRECT
D1	LITHONIA	S-1-32-120-GEB	S	277	1	32W T8 / 3500K	4' STRIP
E	COLUMBIA	4PS24-232G-FSA12-EA	R	277	2	32W T8 / 3500K	2' x 4' LENSED TROFFER
F	INDESSA	409-2CFQ13-WHT-MPERF-TC-BC	W	277	2	13W CFL / 3500K	HALLWAY SCONCES
G	COLUMBIA	STR14-232G-MPO-ELWU / FK14	R	277	2	32W T8 / 3500K	BATHROOM
H	COLUMBIA	NP62-117F-FALD-UE	R	277	1	17W T8 / 3500K	BATHROOM STALLS
J1	COLUMBIA	S17-ACF-P-4-T8-SC-UCL-DCL-120-00 4'	W	277	1	32W T8 / 3500K	BATHROOM SINKS
J2	COLUMBIA	S17-ACF-P-8-T8-SC-UCL-DCL-120-00 8'	W	277	2	32W T8 / 3500K	BATHROOM SINKS
X	LITHONIA	LHQM-P-W-1-R-120-RO	U	277	-	L.E.D.	SELF CONTAINED EXIT SIGN
X1	LITHONIA	ELA-W-H1206	W	6	-	INCLUDED	REMOTE HEAD

MOUNTING KEY:
'P' - PENDANT MOUNTED 'S' - SURFACE MOUNTED 'W' - WALL MOUNTED
'R' - RECESSED MOUNTED 'U' - UNIVERSAL MOUNTED

NOTE:
ALL LAMPS TO BE MANUFACTURED BY GENERAL ELECTRIC, PHILLIPS OR SYLVANIA

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CONSULTING ENGINEERS

UNIVERSITY OF NEW ENGLAND
COLLEGE OF PHARMACY CLASSROOMS
716 STEVENS AVENUE, PORTLAND, ME

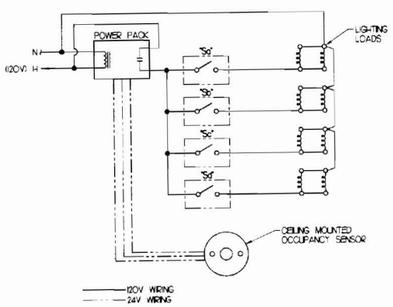
#	DATE	DESCRIPTION

Date Issued 3/11/09
Project Number 06506

SHEET NAME
ELECTRICAL LEGEND AND NOTES

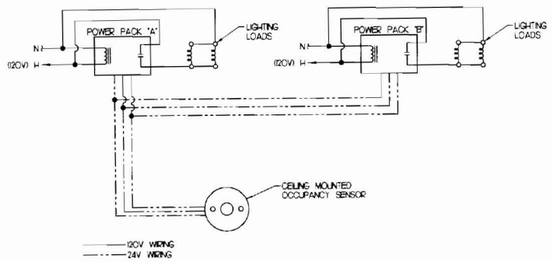
Drawn By CDO
Checked By VAD

E01



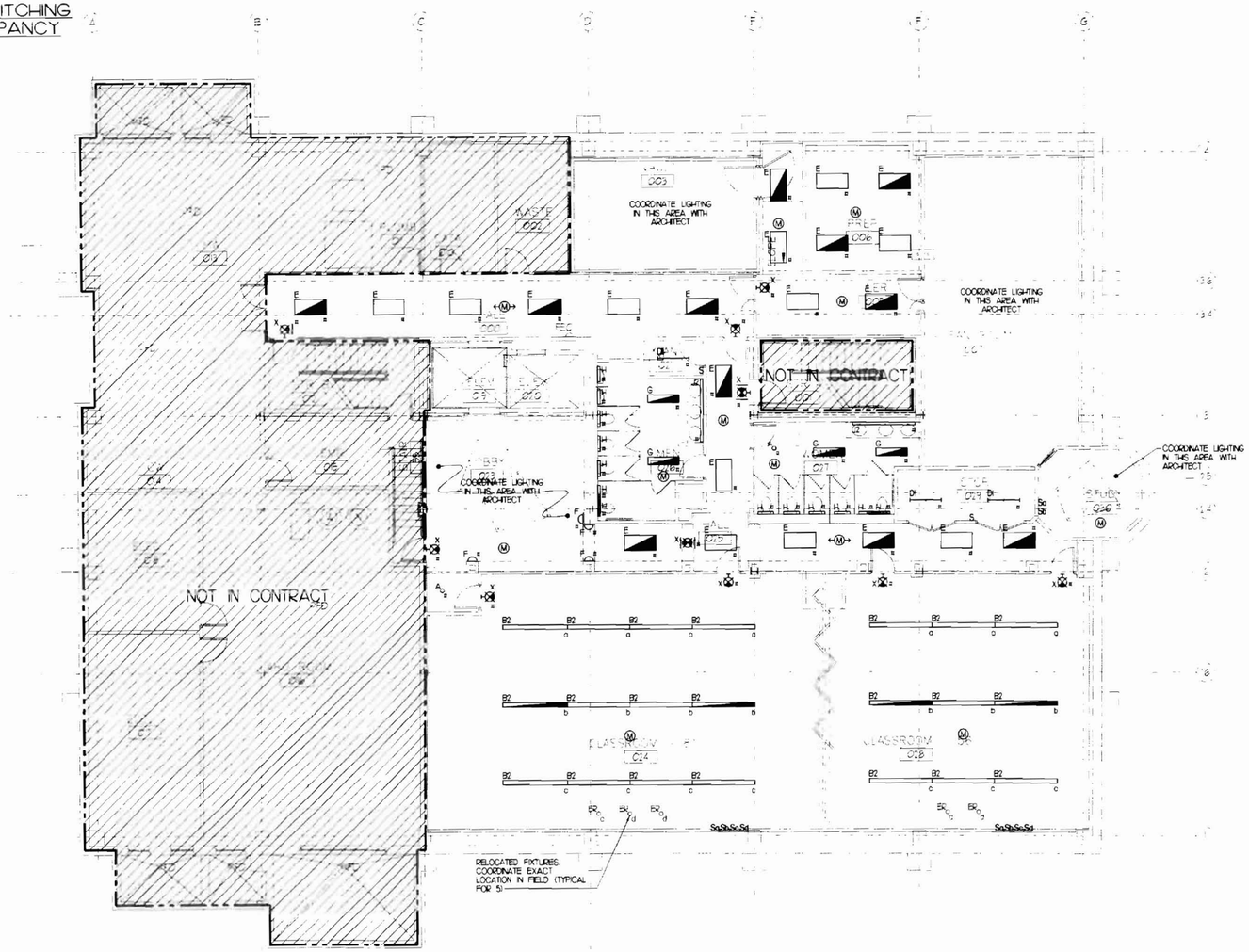
CLASSROOM OCCUPANCY SENSOR W/ 120V. TOGGLE SWITCHES

SCALE: NOT TO SCALE



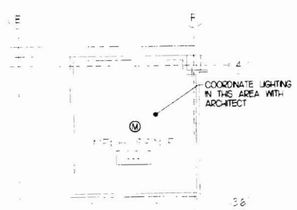
DUAL CIRCUIT SWITCHING W/ SINGLE OCCUPANCY SENSOR

SCALE: NOT TO SCALE



LOWER LEVEL LIGHTING PLAN

SCALE: 1/8" = 1'-0"



MECHANICAL SPACE LIGHTING PLAN

SCALE: 1/8" = 1'-0"

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

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#	DATE	DESCRIPTION

Date Issued: 3/11/09

Project Number: 06506

SHEET NAME: ELECTRICAL LOWER FLOOR LIGHTING PLAN

Drawn By: CDO

Checked By: VAD

E02

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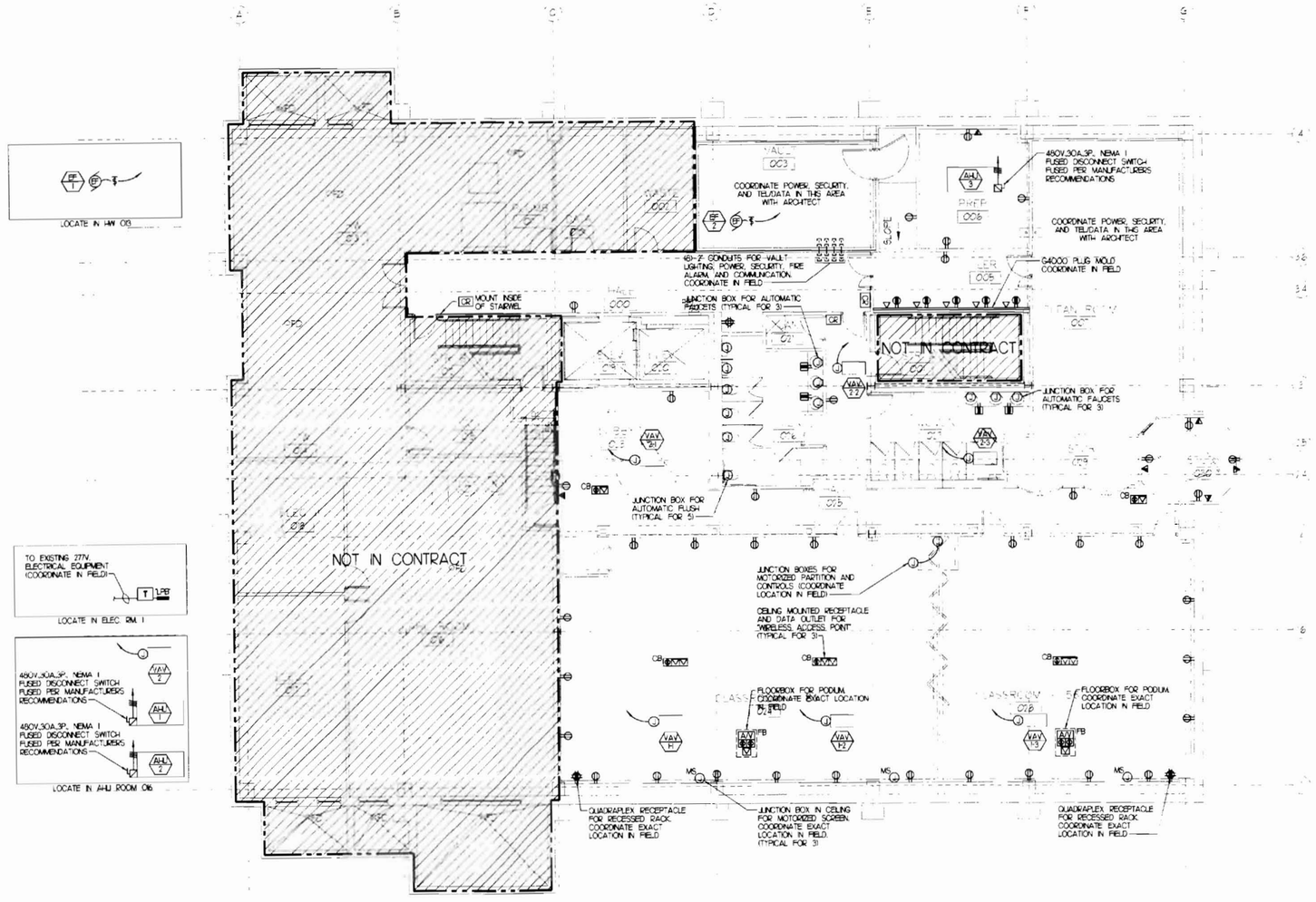
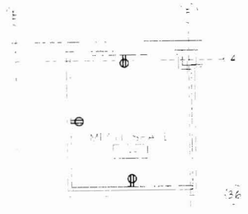


LOWER LEVEL POWER PLAN
SCALE: 1/8" = 1'-0"



MECHANICAL SPACE POWER PLAN
SCALE: 1/8" = 1'-0"

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#	DATE	DESCRIPTION

Date Issued 3/11/09
Project Number 06506

SHEET NAME
ELECTRICAL LOWER FLOOR POWER PLAN

Drawn By CDO
Checked By VAD

E03

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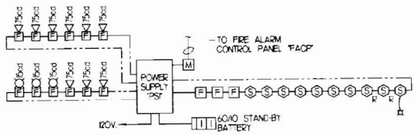
FIRE ALARM LEGEND

75cd	FIRE ALARM SYSTEM ADA TYPE 75cd/75cd HORN STROBE UNIT WALL MOUNTED 80" ABOVE FINISHED FLOOR OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER
15cd	FIRE ALARM SYSTEM ADA TYPE 15cd STROBE ONLY UNIT, WALL MOUNTED 80" ABOVE FINISHED FLOOR OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER
F	MANUAL PULL STATION, MOUNTED 48" ABOVE FINISHED FLOOR
S	CEILING MOUNTED PHOTOELECTRIC SYSTEM TYPE SMOKE DETECTOR.
S_R	CEILING MOUNTED PHOTOELECTRIC SYSTEM TYPE SMOKE DETECTOR, FOR ELEVATOR RECALL. ELEVATOR SHALL PERFORM RECALL UPON INITIATION OF RESPECTIVE DEVICE
H	AUTOMATIC HEAT DETECTOR 135 DEGREES FIXED TEMPERATURE WITH ZONE ADDRESSABLE MODULE
	FIRE ALARM SYSTEM MASTER BOX
"FACP"	FIRE ALARM CONTROL PANEL
"AA"	FIRE ALARM ANNUNCIATOR
P	FIRE ALARM WEATHERPROOF BEACON
DH	FIRE ALARM SYSTEM DOOR HOLDER
FS	FIRE ALARM SYSTEM FLOW SWITCH, FURNISHED BY THE SPRINKLER CONTRACTOR WIRED BY ELECTRICAL CONTRACTOR
TS	FIRE ALARM SYSTEM TAMPER SWITCH ON VALVE, FURNISHED BY SPRINKLER CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR
PS	FIRE ALARM SYSTEM PRESSURE SWITCH ON VALVE, FURNISHED BY SPRINKLER CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR
R	REMOTE INDICATOR
R_{TS}	REMOTE INDICATOR WITH TEST STATION
M	ADDRESSABLE MONITOR MODULE
C	ADDRESSABLE CONTROL MODULE
K	KNOX BOX
	60 HOUR BATTERY
PS	AUXILIARY POWER SUPPLY 6 AMPS / 24 VOLTS WITH 4 NOTIFICATIONS CIRCUITS, NOTIFIER CAT. NO. FCPS-24S6 WITH BATTERY BACK-UP AND INTEGRAL CHARGER

FIRE ALARM NOTES:

1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE ANALOG/ ADDRESSABLE MICRO-PROCESSOR BASED, FIRE ALARM SYSTEM AS INDICATED AND AS SPECIFIED. ALL FIRE ALARM CIRCUIT WIRING SHALL BE POWER LIMITED FIRE ALARM CABLE. AUDIO/VISUAL CIRCUITS SHALL BE 4#14 POWER LIMITED FIRE ALARM CABLE, AS MENTIONED ABOVE. CIRCUITS SHALL BE ARRANGED CLASS "A".
2. ELECTRICAL CONTRACTOR SHALL UTILIZE ALARM VERIFICATION AS A STANDARD FEATURE FOR ALL ADDRESSABLE SMOKE DETECTORS.
3. THE CONTRACTOR, BEFORE INSTALLATION OR PROCUREMENT OF EQUIPMENT, SHALL SUBMIT A SHOP DRAWING OF ALL THE DEVICES BEING SUPPLIED FOR THIS PROJECT. THE SHOP DRAWINGS PROVIDING A DIAGRAM INDICATING HOW THE SYSTEM WILL OPERATE IS REQUIRED AS A PART OF THE SUBMITTAL PACKAGE.
4. ALL PULL AND JUNCTION BOXES AS WELL AS 6' OF ANY CONDUIT ENTERING OR LEAVING ANY PULL OR JUNCTION BOX SHALL BE PAINTED RED.
5. FIRE ALARM SYSTEM SHALL BE MANUFACTURED BY GAMEWELL OR EQUAL.
6. E.C. TO PROVIDE CONDUIT AND CABLE AS REQUIRED BY ELEVATOR INSTALLER TO FACILITATE ELEVATOR RECALL UPON ACTIVATION OF FIRE ALARM SYSTEM.
7. UPON ACTIVATION OF AIR HANDLING UNIT DUCT SMOKE DETECTOR THE RESPECTIVE UNIT AND ASSOCIATED SMOKE AND FIRE DAMPERS SHALL BE DE-ACTIVATED.
8. UPON ACTIVATION OF ANY OF THE ELEVATOR LOBBY SMOKE DETECTORS OR ELEVATOR CONTROL MODULES, THE ELEVATORS SHALL DOOR TO THE MAIN FLOOR IF THE MAIN FLOOR IS IN AN ALARM CONDITION, THE ELEVATOR SHALL SEEK AN ALTERNATE FLOOR NOT IN ALARM. THE ELEVATORS SHALL BE PROGRAMMED TO SEARCH FOR A FLOOR NOT IN ALARM.
9. UPON ACTIVATION OF THE FIRE ALARM SYSTEM, ALL THE MAGNETIC DOOR HOLDERS SHALL BE DE-ENERGIZED TO ALLOW DOORS TO SWING CLOSED.
10. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR A SET OF AS-BUILT DRAWINGS OF THE FIRE ALARM SYSTEM. AS-BUILT DRAWINGS SHALL INDICATE THE LOCATION OF THE CONTROL PANEL, ALL FIRE ALARM DEVICES AND WIRING INSTALLED. AS-BUILT DRAWINGS SHALL BE TURNED OVER TO THE OWNER'S PROJECT REPRESENTATIVE.
11. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING THE FIRE ALARM SYSTEM MASTERBOX TO THE CAMPUS LOOP USING ISMA 9-4, 2 PAIR #16 SOLID CONDUCTORS FOR UNDERGROUND SERVICE OR ISMA 20-4, 2PAIR #16 SOLID CONDUCTORS FOR AERIAL SERVICE.
12. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN ANNUNCIATOR THAT INDICATES ALL ADDRESSABLE DEVICES TO BE INSTALLED AT THE MAIN ENTRANCE.
13. THE FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 72. ANY CHANGES TO THE SYSTEM DESIGN SHALL BE PRE-APPROVED BY THE LOCAL FIRE DEPARTMENT AND VINCENT A. DIORIO INC.
14. FIRE ALARM RISER DIAGRAM IS ONLY DIAGRAMMATIC REFER TO FIRE ALARM PLANS FOR EXACT NUMBER OF DEVICES.
15. ALL AUDIO/VISUAL DEVICES SHALL BE SYNCHRONIZED CODE 3, TEMPORAL PATTERN.



PARTIAL FIRE ALARM ONE-LINE
SCALE: NOT TO SCALE

MECHANICAL SPACE FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

LOWER LEVEL FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

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#	DATE	DESCRIPTION

Date Issued 3/11/09
Project Number 06506

SHEET NAME
FIRE ALARM LOWER FLOOR PLAN

Drawn By CDO
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FA01

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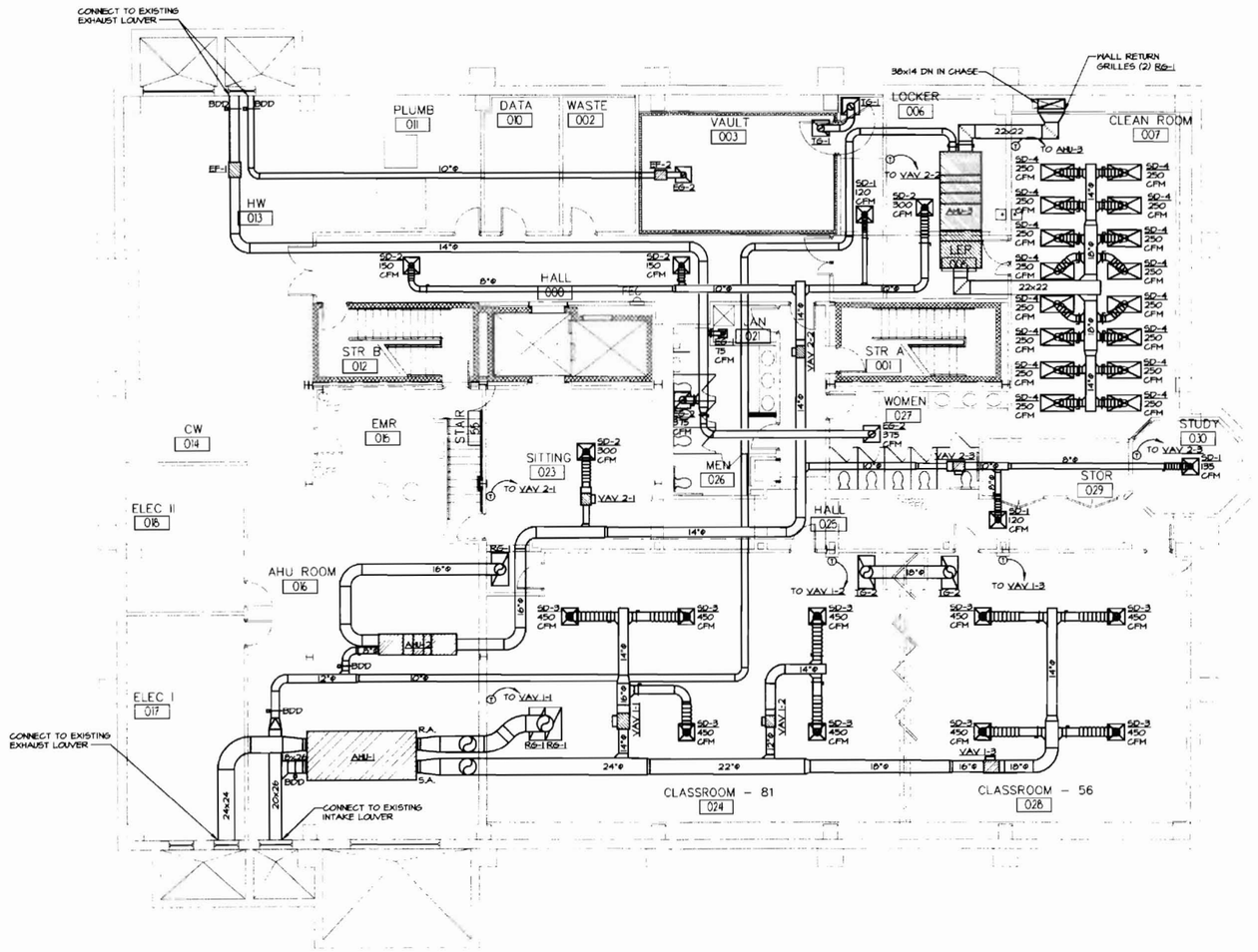

LOWER LEVEL HVAC PLAN

SCALE: 1/8" = 1'-0"

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UNIVERSITY OF NEW ENGLAND
COLLEGE OF PHARMACY CLASSROOMS
716 STEVENS AVENUE, PORTLAND, ME

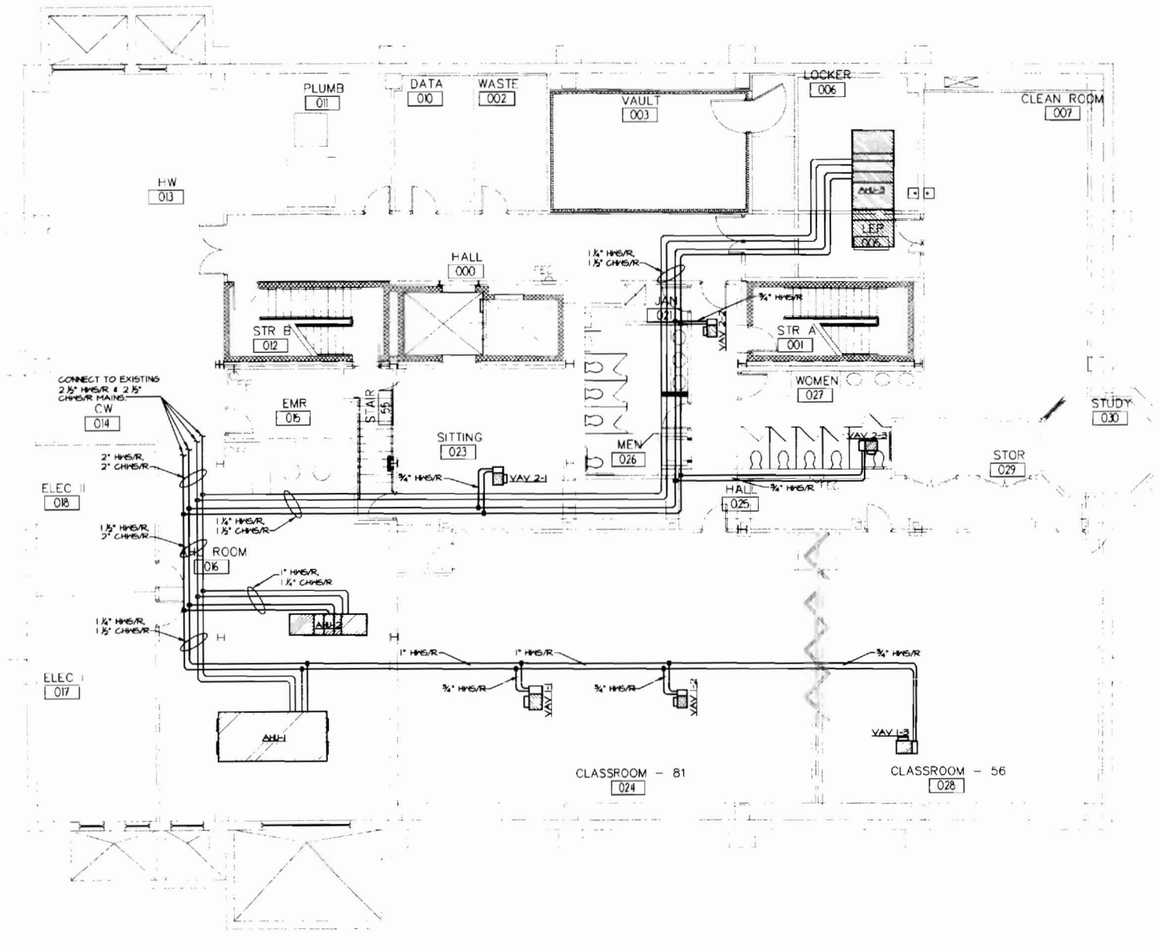
#	DATE	DESCRIPTION

DATE ISSUED 3/11/09
PROJECT NUMBER 08518

SHEET NAME
LOWER LEVEL HVAC PLAN

DRAWN BY CJM
CHECKED BY JPN

M1.0



LOWER LEVEL HVAC PIPING PLAN

SCALE: 1/8" = 1'-0"

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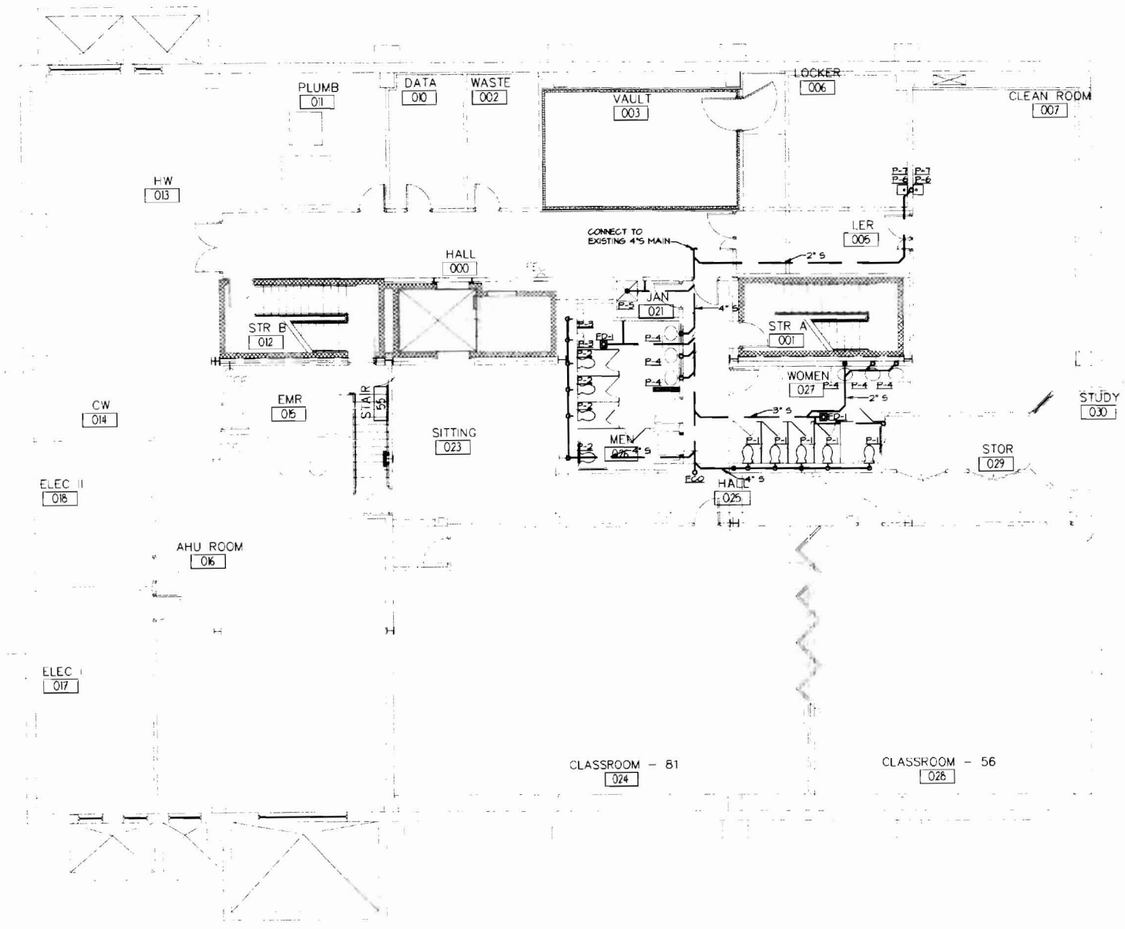
BID DOCUMENTS – NOT FOR CONSTRUCTION

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	CW	HW	WASTE	VENT	REMARKS
P-1	WALL HUNG TOILET	1/2"	——	4"	2"	ZURN Z5610 TOILET W/ ZURN Z6000AV-DF DUAL FLUSH VALVE & Z5450 ELONGATED, OPEN FRONT SEAT
P-2	WALL HUNG TOILET	1/2"	——	4"	2"	ZURN Z5615.211 1.28 GPF TOILET W/ ECOVANTAGE HARDWIRED SENSOR FLUSH VALVE & Z5450 OPEN FRONT SEAT
P-3	URINAL	1/2"	——	2"	2"	ZURN Z5735 "SMALL PINT" ½ GPF URINAL W/ HARDWIRED SENSOR FLUSH VALVE
P-4	UNDERCOUNTER LAVATORY	1/2"	1/2"	1½"	1½"	KOHLER K-2211 UNDERCOUNTER LAVATORY W/ ZURN Z26417-CMB AQUASENSE SENSOR FAUCET
P-5	MOP SINK	1/2"	1/2"	3"	2"	STERN-WILLIAMS HL-1800 24"X24" W/ ZURN Z-843M1-RC "AQUASPEC" MOP SINK FAUCET.
P-6	WALL HUNG LAVATORY	1/2"	1/2"	1½"	1½"	ZURN Z5930 W/ ZURN Z26417-CMB AQUASENSE SENSOR FAUCET
P-7	EYE WASH	1/2"	1/2"	1½"	1½"	GUARDIAN G1814 WALL MOUNTED, STAINLESS STEEL BOWL W/ THERMOSTATIC MIXING VALVE



LOWER LEVEL SANITARY PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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LOWER LEVEL SAN. PLUMB. PLAN

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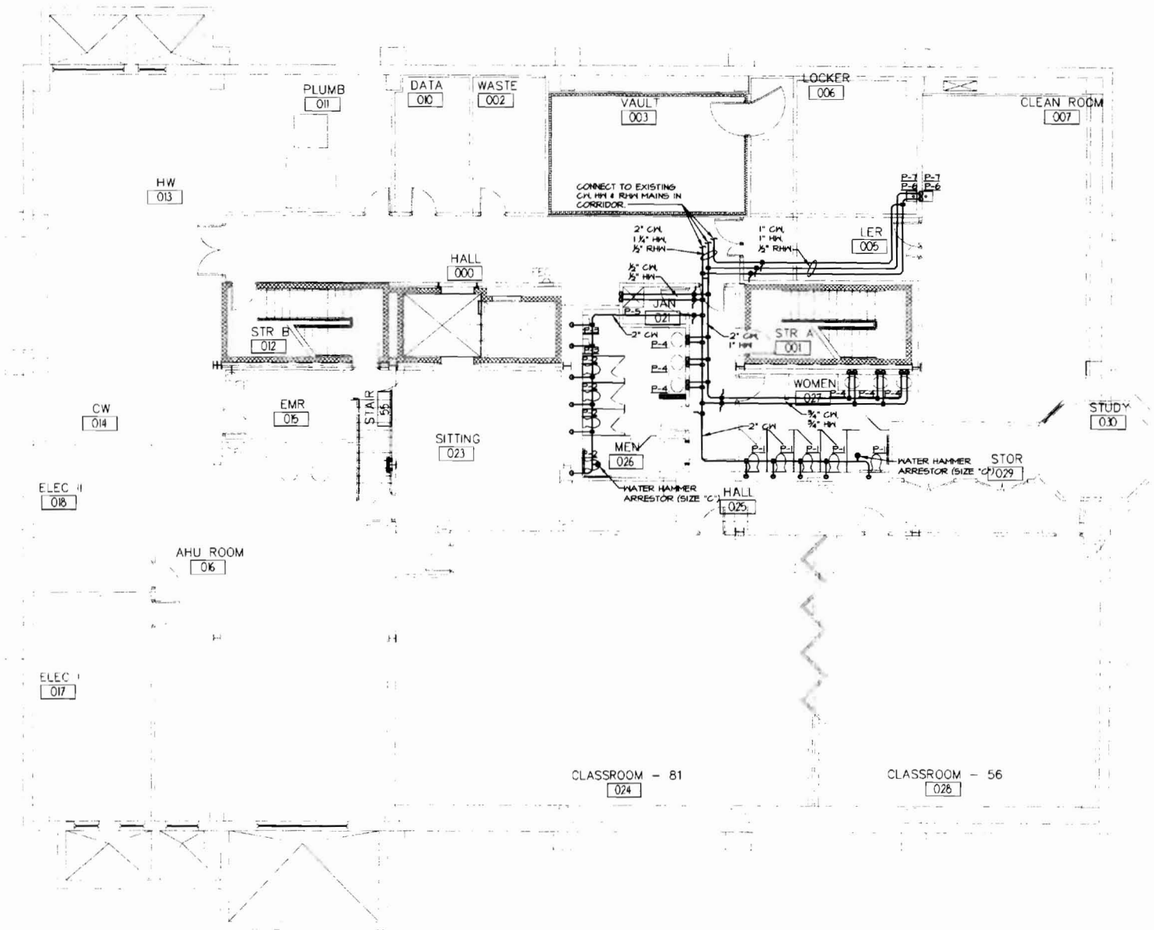

LOWER LEVEL DOMESTIC PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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SYMBOLS AND ABBREVIATIONS

AC	AIR CONDITIONING
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AV	AUTOMATIC VENT
BD	BACKDRAFT DAMPER
BV	BALANCING VALVE
CC	COOLING COIL
CW	DOMESTIC COLD WATER
CU	CONDENSING UNIT
DIFF	DIFFUSER
DSD	DUCT SMOKE DETECTOR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EGG	EXHAUST CEILING GRILLE
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ESP	EXTERNAL STATIC PRESSURE
GC	GENERAL CONTRACTOR
GV	GATE VALVE
HW	DOMESTIC HOT WATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
LAT	LEAVING AIR TEMPERATURE
MBH	1000 BTU/HR
MD	MANUAL DAMPER
MOD	MOTOR OPERATED DAMPER
NTS	NOT TO SCALE
OA	OUTDOOR AIR
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REDUCING VALVE
RA	RETURN AIR
RG	RETURN GRILLE
RHH	HOT WATER RE-CIRC
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RR	RETURN REGISTER
RTU	ROOF-TOP UNIT
RV	RELIEF VALVE
S	SANITARY
SA	SUPPLY AIR
SD	SUPPLY DIFFUSER
SG	SUPPLY GRILLE
SV	SAFETY VALVE
T	THERMOMETER
TG	TRANSFER GRILLE
TCP	TEMPERATURE CONTROL PANEL
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
UC	UNDERCUT
UG	UNDERGROUND
V	VENT
VI	VIBRATION ISOLATOR

SW	SOIL, WASTE BELOW FLOOR
V	PLUMBING VENT PIPING
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRC
G	GAS
RL	REFRIGERANT LIQUID PIPING
RS	REFRIGERANT SUCTION PIPING
V	VENT PIPING
	UNION
	FLANGE
	GATE VALVE
	OS&Y GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BACK FLOW PREVENTER
	BALL VALVE
	BUTTERFLY VALVE
	BALANCING VALVE
	TRIPLE DUTY VALVE
	DROP/RISE IN LINE
	FROST-PROOF HOSE BIBB
	WATER HAMMER ARRESTOR
	PRESSURE REDUCING VALVE
	PRESSURE GAUGE
	THERMOMETER
	PIPE GUIDE
	PETES PLUG
	STRAINER
	ECCENTRIC REDUCER
	INVERTED ECCENTRIC REDUCER
	DRAIN VALVE W/HOSE CONN

T	THERMOSTSAT
	CONNECT TO EXISTING
	MANUAL DAMPER
	FLEXIBLE DUCT
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	SUPPLY DIFFUSER
	RETURN/EXHAUST REGISTER

	FLOOR DRAIN
	FLOOR CLEANOUT
	TRANSITION
	CHANGE OF ELEVATION
	FLEX CONNECTOR
	RELIEF VALVE

AIR HANDLER UNIT SCHEDULE

TAG	AREA SERVED	V/HZ/PH	MOCP (AMPS)	MCA	HP	WEIGHT (LBS)	CFM	ESP.	% O.A.	HW HEATING COIL EWT	HW HEATING COIL LWT	COOLING EAT	COOLING LAT	COOLING OUTPUT (MBH)	COOLING EWT	COOLING LWT	COOLING EDB	COOLING EWB	COOLING LWB	COOLING LDB	COOLING TONS	MODEL	REMARKS
AHU-1	CLASSROOMS	460/60/3	15	11	-	4200	4000	0.75	28	180	160	-	-	66	-	-	80	67	57	54	14.3	ANNEX AIR ERP-1-04-HM-H-C	-
AHU-2	LOCKER/ HALL	460/60/3	-	-	1.0	800	1200	0.5	17	180	160	60	83	30	45	57	80	67	57	54	3.0	TRANE MCCB003	-
AHU-3	CLEAN ROOM	460/60/3	-	-	5.0	1900	4000	0.5	10	180	160	64	89	107	45	60	80	67	57	54	14.0	TRANE MCCB010	-

FAN SCHEDULE

TAG	SERVES	CFM	SP (W.G.)	V/PH/HZ	HP	WATTS	RPM	LxWxH (INCHES)	WEIGHT (POUNDS)	MOD. NO.	CONTROLS	REMARKS
EF-1	VAULT	300	0.25	115/1/60	-	120	2350	-	-	FANTECH FG 6M	TIME CLOCK	INLINE
EF-2	BATH EXHAUST	875	0.25	115/1/60	-	301	2900	-	-	FANTECH FG 12XL	TIME CLOCK	INLINE

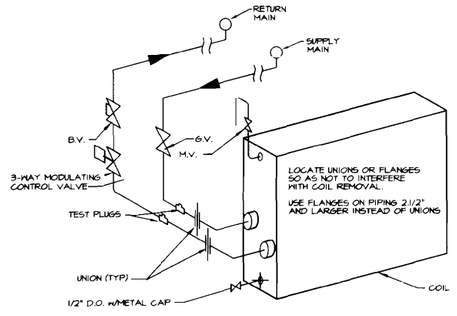
VAV BOX SCHEDULE

TAG	SERVES	MAX CFM	MIN CFM	INLET DIA. (INCHES)	HEATING COIL (MBH)	COIL (GPM)	MODEL SIZE	REMARKS
VAV-1-1	CLASSROOM 024	1350	675	14"	-	N/A	-	-
VAV-1-2	CLASSROOM 024	900	450	12"	-	N/A	-	-
VAV-1-3	CLASSROOM 028	1800	900	16"	-	N/A	-	-
VAV-2-1	SITTING	320	160	8"	-	N/A	-	-
VAV-2-2	LOCKER/ HALL	740	370	10"	-	N/A	-	-
VAV-2-2	STUDY	135	70	6"	-	N/A	-	-

GRILLES, REGISTERS, & DIFFUSER SCHEDULE

TAG	NECK (INCHES)	FACE SIZE (INCHES)	CFM	SP (W.G.)	THROW (FEET)	REMARKS
SD-1	8"Φ	24"x24"	0-250	-	-	ANEMOSTAT EPL
SD-2	10"Φ	24"x24"	251-350	-	-	ANEMOSTAT EPL
SD-3	12"Φ	24"x24"	351-450	-	-	ANEMOSTAT EPL
SD-4	10"Φ	48"x24"	0-250	-	-	ANEMOSTAT MV-1
RG-1	-	48"x24"	0-2000	-	-	ANEMOSTAT X3HD
TG-1	-	24"x24"	0-750	-	-	ANEMOSTAT X3HD
TG-2	-	48"x24"	751-2000	-	-	ANEMOSTAT X3HD
EG-1	-	12x12"	0-150	-	-	ANEMOSTAT X3HD
EG-1	-	24"x24"	0-375	-	-	ANEMOSTAT X3HD

NOTES: ALL GRD'S MAX NC=30
ALL UNITS SHALL BE ANEMOSTAT OR EQUAL BY KRUEGAR
ALL SD'S SHALL HAVE EQUALIZING VANES, FLAT WHITE FINISH, AND BE 4-WAY BLOW PATTERN.



THIS DETAIL IS GENERIC AND IS INTENDED TO INDICATE THE ARRANGEMENT OF VALVING. REFER TO PLANS FOR PIPE SIZING.

HOT/ CHILLED WATER COIL PIPING

NO SCALE

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MECHANICAL SCHEDULES

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