



General Building Permit Application

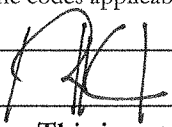
If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>UNIVERSITY OF SOUTHERN MAINE GLICKMAN LIBRARY, 314 FOREST AVENUE</u>		
Total Square Footage of Proposed Structure/Area <u>1,500 SF RENOVATION TO EXISTING</u>		Square Footage of Lot <u>N/A - INTERIOR RENOVATION</u>
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>114 D 5</u>	Applicant * <u>must</u> be owner, Lessee or Buyer* Name <u>UNIVERSITY OF SOUTHERN ME DANA GRAY</u> Address <u>25 BEDFORD ST</u> City, State & Zip <u>PORTLAND, ME 04104</u>	Telephone: <u>780-4160</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name Address City, State & Zip	Cost Of Work: \$ <u>150,000</u> C of O Fee: \$ _____ Total Fee: \$ <u>1,520</u>
Current legal use (i.e. single family) <u>ASSEMBLY / LIBRARY</u> If vacant, what was the previous use? _____ Proposed Specific use: <u>NO CHANGE</u> Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>INTERIOR RENOVATION CONSISTING OF THE CREATION OF 6 GROUP STUDY ROOMS AND INTERIOR FINISH UPGRADES TO THE 2ND FLOOR OF THE LIBRARY</u>		
Contractor's name: <u>N/A</u> Address: _____ City, State & Zip: _____ Telephone: _____ Who should we contact when the permit is ready: _____ Telephone: _____ Mailing address: _____		

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:  Date: 8-24-11

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



Certificate of Design Application

From Designer: ROBERT C. KLINEDINST, JR. DIA / HARRIMAN

Date: AUGUST 23, 2011

Job Name: USM LEARNING COMMONS RENOVATION - GLICKMAN LIBRARY

Address of Construction: USM GLICKMAN LIBRARY / 314 FOREST AVENUE

2003 International Building Code

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

Building Code & Year 2009 IBC Use Group Classification (s) A3 ASSEMBLY / LIBRARY

Type of Construction IB

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC N/A, COMPLIES WITH IBC/NFPA

Is the Structure mixed use? NO If yes, separated or non separated or non separated (section 302.3) _____

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

INTERIOR RENOVATION

Structural Design Calculations

N/A Submitted for all structural members (106.1 - 106.11)

Design Loads on Construction Documents (1603)

Floor Area Use	Loads Shown

- _____ Live load reduction
- _____ Roof live loads (1603.1.2, 1607.11)
- _____ Roof snow loads (1603.7.3, 1608)
- _____ Ground snow load, P_g (1608.2)
- _____ If $P_g > 10$ psf, flat-roof snow load P_f
- _____ If $P_g > 10$ psf, snow exposure factor, C_e
- _____ If $P_g > 10$ psf, snow load importance factor, I_s
- _____ Roof thermal factor, C_t (1608.4)
- _____ Sloped roof snowload, P_R (1608.4)
- _____ Seismic design category (1616.3)
- _____ Basic seismic force resisting system (1617.6.2)
- _____ Response modification coefficient, R_f and deflection amplification factor C_d (1617.6.2)
- _____ Analysis procedure (1616.6, 1617.5)
- _____ Design base shear (1617.4, 1617.5.1)

Wind loads (1603.1.4, 1609)

- _____ Design option utilized (1609.1.1, 1609.6)
- _____ Basic wind speed (1809.3)
- _____ Building category and wind importance Factor, I_w , table 1604.5, 1609.5)
- _____ Wind exposure category (1609.4)
- _____ Internal pressure coefficient (ASCE 7)
- _____ Component and cladding pressures (1609.1.1, 1609.6.2.2)
- _____ Main force wind pressures (7603.1.1, 1609.6.2.1)

- #### Flood loads (1803.1.6, 1612)
- _____ Flood Hazard area (1612.3)
 - _____ Elevation of structure

Earth design data (1603.1.5, 1614-1623)

- _____ Design option utilized (1614.1)
- _____ Seismic use group ("Category")
- _____ Spectral response coefficients, S_D s & S_I (1615.1)
- _____ Site class (1615.1.5)

- #### Other loads
- _____ Concentrated loads (1607.4)
 - _____ Partition loads (1607.5)
 - _____ Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)



Commercial Interior & Change of Use Permit Application Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

One (1) complete set of construction drawings must include:

Note: Construction documents for costs in excess of \$50,000.00 must be prepared by a Design Professional and bear their seal.

- Cross sections w/framing details
- Detail of any new walls or permanent partitions
- Floor plans and elevations
- Window and door schedules
- Complete electrical and plumbing layout.
- Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment or other types of work that may require special review
- Insulation R-factors of walls, ceilings, floors & U-factors of windows as per the IECC 2003
- Proof of ownership is required if it is inconsistent with the assessors records.
- Reduced plans or electronic files in PDF format are required if originals are larger than 11" x 17".
- Per State Fire Marshall, all new bathrooms must be ADA compliant.

Separate permits are required for internal and external plumbing, HVAC & electrical installations.

For additions less than 500 sq. ft. or that does not affect parking or traffic, a site plan exemption should be filed including:

- The shape and dimension of the lot, footprint of the existing and proposed structure and the distance from the actual property lines.
- Location and dimensions of parking areas and driveways, street spaces and building frontage.
- Dimensional floor plan of existing space and dimensional floor plan of proposed space.

A Minor Site Plan Review is required for any change of use between 5,000 and 10,000 sq. ft. (cumulatively within a 3-year period)

Fire Department requirements.

The following shall be submitted on a separate sheet:

- Name, address and phone number of applicant **and** the project architect.
- Proposed use of structure (NFPA and IBC classification)
- Square footage of proposed structure (total and per story)
- Existing and proposed fire protection of structure.
- Separate plans shall be submitted for
 - a) Suppression system
 - b) Detection System (separate permit is required)
- A separate Life Safety Plan must include:
 - a) Fire resistance ratings of all means of egress
 - b) Travel distance from most remote point to exit discharge
 - c) Location of any required fire extinguishers
 - d) Location of emergency lighting
 - e) Location of exit signs
 - f) NFPA 101 code summary
- Elevators shall be sized to fit an 80" x 24" stretcher.

For questions on Fire Department requirements call the Fire Prevention Officer at (207) 874-8405.

Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.

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.

Permit Fee: \$30.00 for the first \$1000.00 construction cost, \$10.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.

**City of Portland General Building Permit Application
Fire Department Requirements***Name of Applicant:*

University of Southern Maine
Dana Gray, Director of Engineering and Architectural Services
25 Bedford Street, Portland, ME 04104

Name of Architect:

Robert C. Klinedinst Jr., AIA
Harriman
46 Harriman Drive
Auburn, ME 04210

Proposed use of structure:

Library
Existing Assembly Occupancy (NFPA 101 Chapter 13)
A-3 Assembly (IBC)

Square footage of proposed structure (total and per story):

1,500 SF interior renovation to 2nd floor of existing structure

Basement	13,500
1 st Floor:	21,650
2 nd Floor:	18,550
3 rd Floor:	18,800
4 th Floor:	13,500
5 th Floor:	13,500
6 th Floor:	13,500
7 th Floor:	13,500
Total:	126,500

Existing and proposed fire protection of structure:

Supervised automatic sprinkler system in accordance with NFPA 13.3.5 and 9.7
Fire alarm system in accordance with NFPA 13.3.4 and 9.6

See included Life Safety Plan for the following items:

- Fire Resistance ratings of all Means of Egress
- Travel Distance from most remote point to exit discharge
- Location of any required fire extinguishers
- Location of emergency Lighting
- Location of exit signs
- NFPA 101 code summary



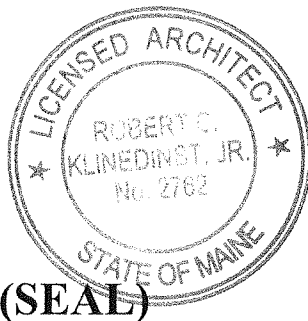
Accessibility Building Code Certificate

Designer: ROBERT C. KLINEDINST, JR. AIA / HARRIMAN

Address of Project: USM GLICKMAN LIBRARY, ³¹⁴ FOREST AVENUE

Nature of Project: INTERIOR RENOVATION CONSISTING OF THE
CREATION OF 6 GROUP STUDY ROOMS AND
INTERIOR FINISH UPGRADES TO THE 2ND FLOOR
OF THE LIBRARY

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.



Signature:

Title: PRINCIPAL

Firm: HARRIMAN

Address: 46 HARRIMAN DR.
AUBURN ME 04210

Phone: 784-5100

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

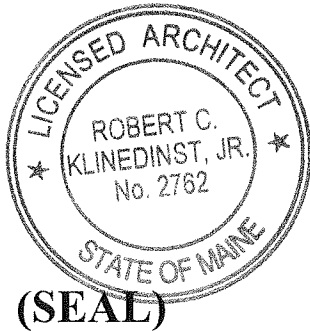
Date: AUGUST 23, 2011

From: ROBERT C. KLINEDINST JR, AIA / HARRIMAN

These plans and / or specifications covering construction work on:

USM LEARNING COMMONS RENOVATION - GLICKMAN LIBRARY

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



Signature: PKI

Title: PRINCIPAL

Firm: HARRIMAN

Address: 46 HARRIMAN DR.

AUBURN ME 04274

Phone: 784-5100

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

NFPA CODE SUMMARY

BUILDING DESIGN CODES:

AMERICANS WITH DISABILITIES ACT (ADA)
 NFPA 101 LIFE SAFETY CODE / 2006
 INTERNATIONAL BUILDING CODE / 2009
 INTERNATIONAL MECHANICAL CODE / 2009
 ASHRAE / IES STANDARD 90.1 - 2004
 NFPA 70 NATIONAL ELECTRIC CODE / 2008

OCCUPANCY CLASSIFICATION

NFPA
 EXISTING ASSEMBLY (CHAPTER 13)
 IBC
 ASSEMBLY A3 (LIBRARY)

CONSTRUCTION TYPE:

NFPA: TYPE I (000)
 IBC: TYPE IB

NUMBER OF STORIES:

BASEMENT: 13,500 SF
 FIRST: 21,650 SF
 SECOND: 18,550 SF
 THIRD: 18,800 SF
 FORTH: 13,500 SF
 FIFTH: 13,500 SF
 SIX: 13,500 SF
 SEVENTH: 13,500 SF
 TOTAL: 126,500 SF

FIRE SUPPRESSION:

FULLY SPRINKLERED WITH SUPERVISED SYSTEM

OCCUPANT LOADS:

OFFICE: 100 SF GROSS

LIBRARY:
 STACKS: 100 SF GROSS
 READING AREA: 50 SF NET

CLASSROOM: 20 SF NET

MECHANICAL / STORAGE: 300 SF GROSS

MEANS OF EGRESS:

MAX TRAVEL DISTANCE: 250'-0" (NFPA)

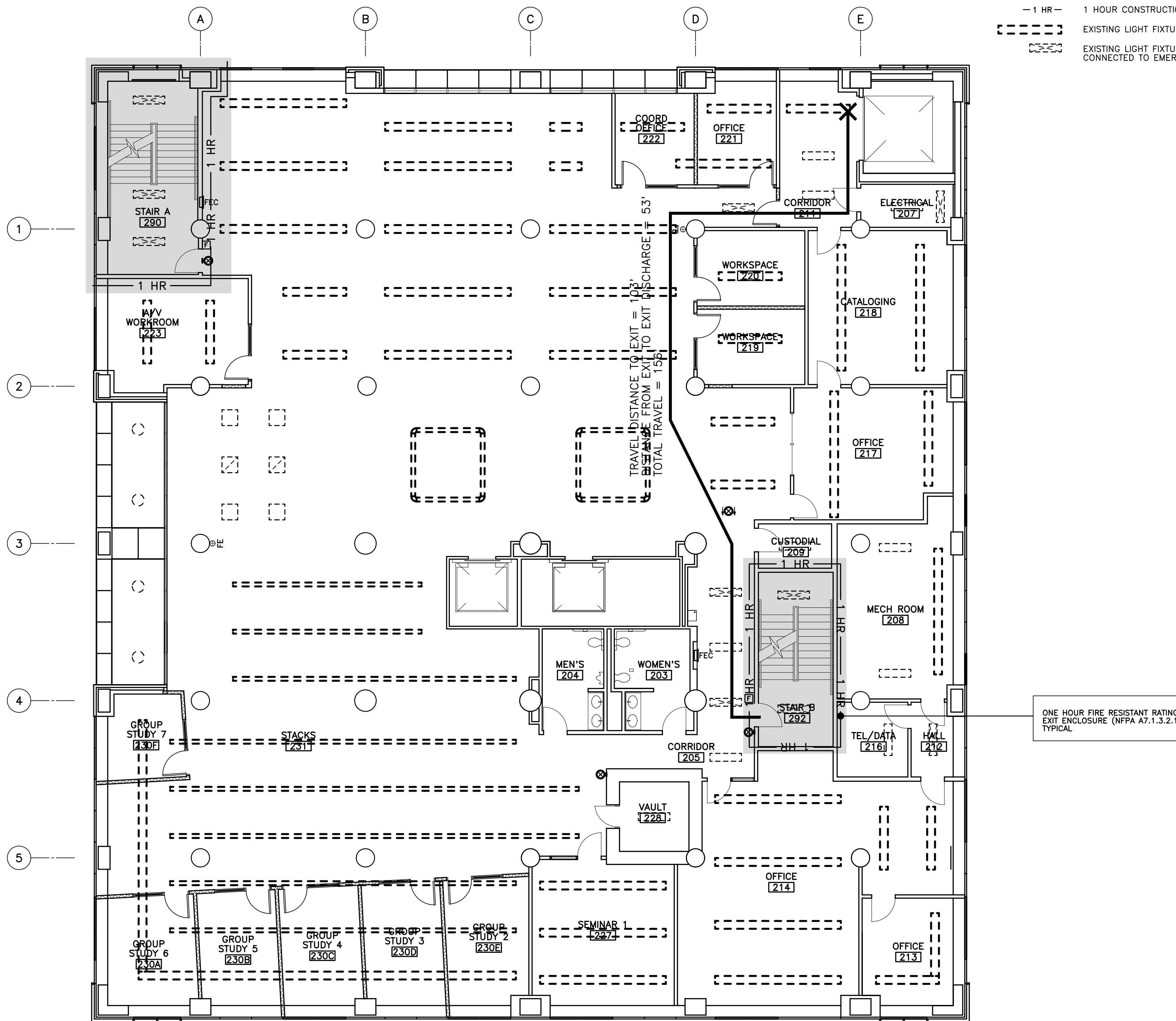
DEAD END CORRIDOR: 20'-0"

COMMON PATH OF TRAVEL: 75'-0" OL<50, 20'-0" OL>50

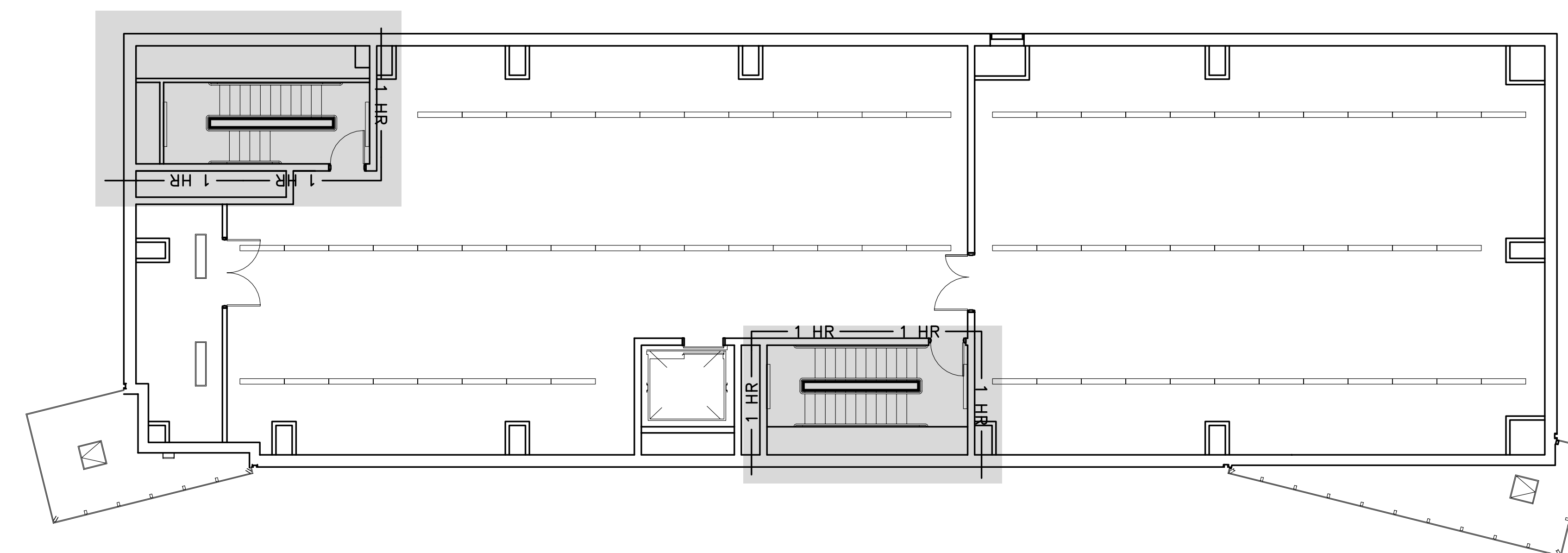
MIN CORRIDOR WIDTH: 44" OL>50
 EXIT CAPACITY (STAIRS) 0.3"/OCCUPANT
 (LEVEL COMPONENTS) 0.2"/OCCUPANT

CODE SUMMARY LEGEND

- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- FIRE ALARM MANUAL PULL STATION
- 1 HOUR CONSTRUCTION
- EXISTING LIGHT FIXTURE
- EXISTING LIGHT FIXTURE CONNECTED TO EMERGENCY CIRCUIT



ONE HOUR FIRE RESISTANT RATING
 EXIT ENCLOSURE (NFPA A7.1.3.2.1)
 TYPICAL



HARRIMAN
 Architects + Engineers
 46 Harriman Drive
 Auburn, ME 04240
 207.784.5100 ext
 123 Middle Street
 Portland, ME 04101
 207.775.0053 ext
 One Peabody Road
 Manchester, NH 03103
 603.626.1242 tel
 www.harriman.com
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Project Title
UNIVERSITY OF SOUTHERN MAINE LEARNING COMMONS RENOVATIONS

HA Project No. **11103**

Key Plan

Mark	Date	Description
08-23-11		PERMIT REVIEW

Issue Dates

Drawing Status
REVIEW

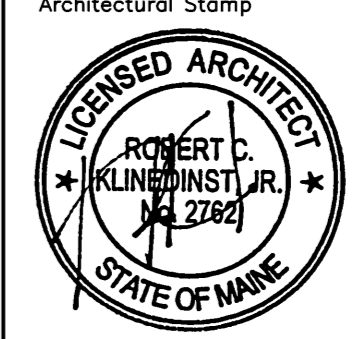
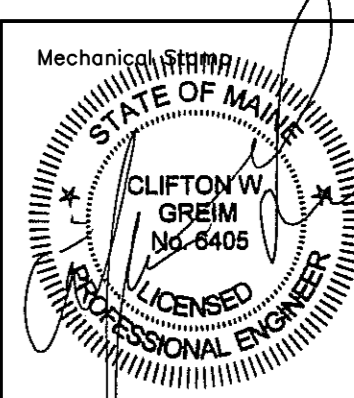
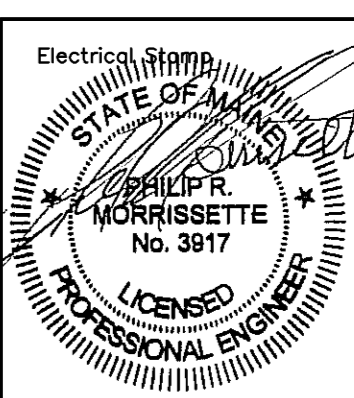
Drawing Title
CODE PLAN (2ND FLOOR)

PA / PE: **RCK** Drawn By: **MDL**

Drawing Number

A01.2

LIST OF DRAWINGS

Architectural Stamp	A01.1	COVER SHEET
	A11.1	ABBREVIATIONS AND LEGENDS
	A21.1	GLICKMAN LIBRARY DEMO PLAN, FLOOR PLAN AND DTLS
	A31.1	GLICKMAN LIBRARY FINISH PLAN, RCP AND SCHEDULES
	A91.1	GLICKMAN LIBRARY INTERIOR ELEVATIONS
	A91.1	GLICKMAN FURNITURE PLAN, PLANS AND DETAILS
Mechanical	M11.1	MECHANICAL PLAN AND DETAILS
		
Electrical	E01.1	ELECTRICAL LEGEND AND DETAILS
	E11.1	GLICKMAN LIBRARY ELECTRICAL PLANS

UNIVERSITY OF SOUTHERN MAINE

LEARNING COMMONS RENOVATIONS GLICKMAN LIBRARY

ISSUED FOR BID
08-05-11

HARRIMAN

Architects + Engineers

46 Harriman Drive
Auburn, ME 04210
207.784.5100 tel

123 Middle Street
Portland, ME 04101
207.775.0053 tel

One Perimeter Road
Manchester, NH 03103
603.626.1242 tel

www.harriman.com

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SYMBOLS USED AS ABBREVIATIONS

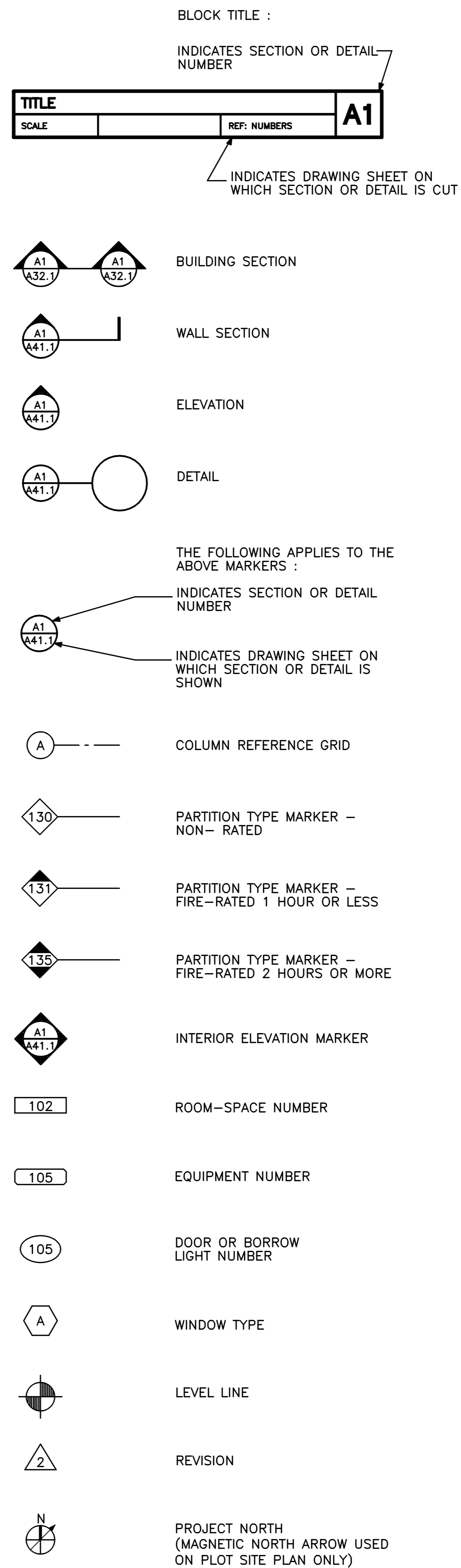
L	---	ANGLE
C	---	CENTER LINE
⊘	---	DIAMETER
▭	---	SQUARE

ABBREVIATIONS

ABT	ABOUT
ACB	ABOVE CEILING BELOW
AFB	ABOVE FINISH FLOOR
AFO	ABOVE FINISH GRADE
AD	ACCESS DOOR
AP	ACCESS PANEL
AC	ACOUSTICAL
AL	ACOUSTICAL LINING
ACT	ACOUSTICAL TILE
ADJ	ADJUSTABLE
A/C	AIR CONDITIONING
ALT	ALTERNATE
AL	ALUMINUM
AB	ANCHOR BOLT
APX	APPROXIMATE
ARCH	ARCHITECT (URAL)
BDD	BACKDRAFT DAMPER
BJ	BAR JOIST
BSMT	BASEMENT
BSP	BASE PLATE
BP	BEARING PLATE
BM	BENCH MARK
BIT	BITUMINOUS
BLKG	BLOCKING
BD	BOARD
BOT	BOTTOM
BOF	BOTTOM OF FOOTING
B/W	BOTTOM OF WALL
BTU	BRITISH THERMAL UNIT
BLDG	BUILDING
CAB	CABINET
CUH	CABINET UNIT HEATER
CPT	CARPET (ED)
CI	CAST IRON
CB	CATCHBASIN
CLG	CELLING
CD	CELLING DIFFUSER
CG	CELLING GRILLE
CHT	CELLING HEIGHT
CEM	CEMENT (IOUS)
CM	CENTIMETER (S)
CER	CERAMIC
CT	CERAMIC TILE
CHBD	CHALKBOARD
CHWS	CHILLED WATER SUPPLY
CO	CLEANOUT
CL	CLOSET
CW	COLD WATER
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CR	CONDENSATE RETURN
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE (OUS)
CONTR	CONTRACT (OR)
CJT	CONTROL JOINT
CV	CONVECTOR
CORR	CORRUGATED
CMP	CORRUGATED METAL PIPE
CFM	CUBIC FEET PER MIN.
CF	CUBIC FEET
CY	CUBIC YARD
CULV	CULVERT
DL	DEAD LOAD
DMT	DEMOUNTABLE
DTL	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DV	DIVISION
DG	DOOR GRILLE
DH	DOUBLE HUNG
DF	DOUGLAS FIR
DN	DOWN
DWG	DRAWING
DF	DRINKING FOUNTAIN
DW	DUCT WRAP
ES	EACH SIDE
EAS	EAST
EIFS	EXTERIOR INSULATED FINISH SYSTEM
ELEC	ELECTRIC (AL)
EM	ELECTRIC MANHOLE
EP	ELECTRIC PANEL
EWC	ELECTRIC WATER COOLER
EL	ELEVATION (S)
EQ	EQUAL
EST	ESTIMATE
EF	EXHAUST FAN
ER	EXHAUST REGISTER
EXG	EXISTING
EB	EXPANSION BOLT
EXP	EXPANSION JOINT
EJ	EXPANSION JOINT
EXT	EXTERIOR
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FS	FAR SIDE
FIN	FINISH (ED)
FL	FINISH LENGTH
FA	FIRE ALARM
FD	FIRE DAMPER
FE	FIRE EXTINGUISHER
FHS	FIRE HOSE STATION
FLG	FLASHING
FC	FLEXIBLE CONNECTION
FLR	FLOOR (ING)
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FR	FLOOR RETURN REGISTER
FTG	FOOTING
FD	FOUNDATION DRAIN
FAI	FRESH AIR INTAKE
FY	MINIMUM YIELD STRESS (KSI)
GA	GAGE, GAUGE
GPM	GALLONS PER MINUTE
GALV	GALVANIZED
GV	GATE VALVE
GC	GENERAL CONTRACT (OR)
GL	GLASS
GB	GRAB BAR
GPDW	GYPSTUM DRY WALL
H	HARDENER
HVAC	HEATING-VENTILATING-AIR CONDITIONING
HT	HEIGHT
HPS	HIGH PRESSURE STEAM
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HB	HOSE BIB
HD	HUB DRAIN
HW	HOT TEMPERATURE WATER
HW	HOT WATER
HYD	HYDRANT
ID	INSIDE DIAMETER
INS	INSULATE (D) (ION)
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
JC	JANITOR'S CLOSET
JT	JOINT
K	KIPS
KSI	KIPS PER SQUARE INCH
KIT	KITCHEN

LAB	LABORATORY
LAM	LAMINATE (D)
LAV	LAVATORY
LF	LAWN FAUCET
LTO	LIGHTING
LD	LINEAR DIFFUSER
LD	LINED DUCT
LF	LINEAL FEET
LTEL	LINTEL
LL	LIVE LOAD
LG	LONG
LPS	LOW PRESSURE STEAM
LTW	LOW TEMPERATURE STEAM
LW	LIMIT OF WORK
LB (S)	POUNDS
MH	MANHOLE
MD	MANUAL DAMPER
MFR	MANUFACTURE (R)
MAS	MASONRY
MO	MASONRY OPENING
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MT	METAL THRESHOLD
M	METER (S)
MM	MILLIMETER (S)
MIN	MINIMUM
MISC	MISCELLANEOUS
MR	MOP RECEPTOR
MTD	MOUNTED
MD	MOTORIZED DAMPER
MBH	1000 BRITISH THERMAL UNIT
NS	NEAR SIDE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
No	NUMBER
OFF	OFFICE
OC	ON CENTER (S)
OED	OPEN END DUCT
OPG	OPENING
OPP	OPPOSITE
OPH	OPPOSITE HAND
OD	OUTSIDE DIAMETER
OH	OVERHEAD
PNT	PAINT (ED)
PNL	PANEL
PAR	PARALLEL
PTN	PARTITION
PLAM	PLASTIC LAMINATE
P	PLATE
PWD	PLUMBING
PT	PLYWOOD
PT	POINT
PP	POINT TO POINT
PWG	POLISHED WIRE GLASS
PVC	POLYVINYL CHLORIDE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PFN	PREFINISHED
PL	PROPERTY LINE
P	PUMP
QT	QUARRY TILE
RAD	RADIATION
RAD	RADIUS
REF	REFERENCE
REFR	REFRIGERATOR
RA	RETURN AIR
RG	RETURN GRILLE
RR	RETURN REGISTER
REV	REVISION (S)
ROW	RIGHT OF WAY
R	RISER
RD	ROOF DRAIN
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
RB	RUBBER BASE
S	SANITARY
SEC	SECTION
SSK	SERVICE SINK
SHT	SHEET
SIM	SIMILAR
SD	SINK
S	SMOKE DAMPER
SOIL	SOIL
SMU	SOLID MASONRY UNIT
S	SOUTH
SFF	SPRUCE PINE FIR SPECIFICATION (S)
SPEC	SQUARE
SQ	STAINLESS STEEL
SS	STANDARD
STD	STEAM
S	STEEL
STL	STORAGE
SD	STORM DRAIN
SD	STORM DRAIN MANHOLE
SA	SUPPLY AIR
SF	SUPPLY FAN
SG	SUPPLY GRILLE
SR	SUPPLY REGISTER
SYM	SYMMETRY (ICAL)
SYS	SYSTEM
TKBD	TACKBOARD
TEL	TELEPHONE
TV	TELEVISION
TB	TEST BORING
TP	TEST PIT
T-STAT	THERMOSTAT
THK	THICK (NESS)
TPN	TOILET PARTITION
T&G	TONGUE & GROOVE
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TL	TOTAL LOAD
TD	TRANSFER DUCT
TG	TRANSFER GRILLE
T	TREAD
TD	TRENCH DRAIN
TYP	TYPICAL
UD	UNDERDRAIN
UGD	UNDERGROUND DUCTWORK
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URNAL
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
V	VENT
VTR	VENT THRU ROOF
VERT	VERTICAL
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VF	VINYL FABRIC
VD	VOLUME DAMPER
WCO	WALL CLEANOUT
WG	WALL GRILLE
WH	WALL HUNG
WR	WALL REGISTER
WC	WATER CLOSET
WC	WATER CLOSET
WCH	WATER CLOSET HANDICAP
WWF	WELDED WIRE FABRIC
W	WEST, WIDTH, WIDE
WIN	WINDOW
W/	WITH
WO	WITHOUT
WO	WOOD
WP	WORKING POINT

PLAN - SECTION



PLAN - SECTION

	EARTH
	POROUS FILL (STONE OR GRAVEL, ETC)
	ROCK
	LIGHTWEIGHT CONCRETE (OR CONCRETE FILL)
	STRUCTURAL CONCRETE (CAST-IN-PLACE, PRECAST, ETC)
	BRICK (COMMON OR FACE)
	CONCRETE MASONRY UNITS
	METAL (LARGE SCALE)
	PLYWOOD (LARGE SCALE)
	WOOD, FINISHED
	WOOD, ROUGH
	INSULATION (LOOSE OR BATT)
	INSULATION (RIGID)
	GLASS (LARGE SCALE)
	CERAMIC TILE
	GYPSTUM WALL BOARD (FIBERBOARD, ETC.)
	PLASTER, SAND, CEMENT, GROUT
	ACOUSTICAL TILE
	RESILIENT FLOORING
	METAL (SMALL SCALE)
ELEVATIONS	
	CONCRETE, PLASTER
	SHEET METAL
	GLAZING
	BRICK
SPECIAL INDICATIONS	
	PARTITION CONSTRUCTION-PLAN
	STEEL STUD
	EXISTING TO REMAIN
	WOOD STUD
	EXISTING TO BE REMOVED

HARRIMAN Architects + Engineers
 46 Harriman Drive
 Auburn, ME 04210
 207.784.5100 ext.
 123 Middle Street
 Portland, ME 04101
 207.775.0553 fax
 One Parkcenter Road
 Manchester, NH 03103
 603.626.1242 tel
 www.harriman.com
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Project Title
UNIVERSITY OF SOUTHERN MAINE LEARNING COMMONS RENOVATIONS
 PORTLAND, ME
 HA Project No. 11103-02
 Key Plan

Mark	Date	Description
08-05-11	ISSUED FOR BID	
07-28-11	FINAL REVIEW	

Issue Dates
Drawing Status
Drawing Title
ABBREVIATIONS AND LEGENDS
PA / PE: RCK Drawn By: ERP
Drawing Number
A01.1

CONTRACT DRAWING ABBREVIATIONS

NO SCALE	REF: NA
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A3

GRAPHIC SYMBOLS LEGEND

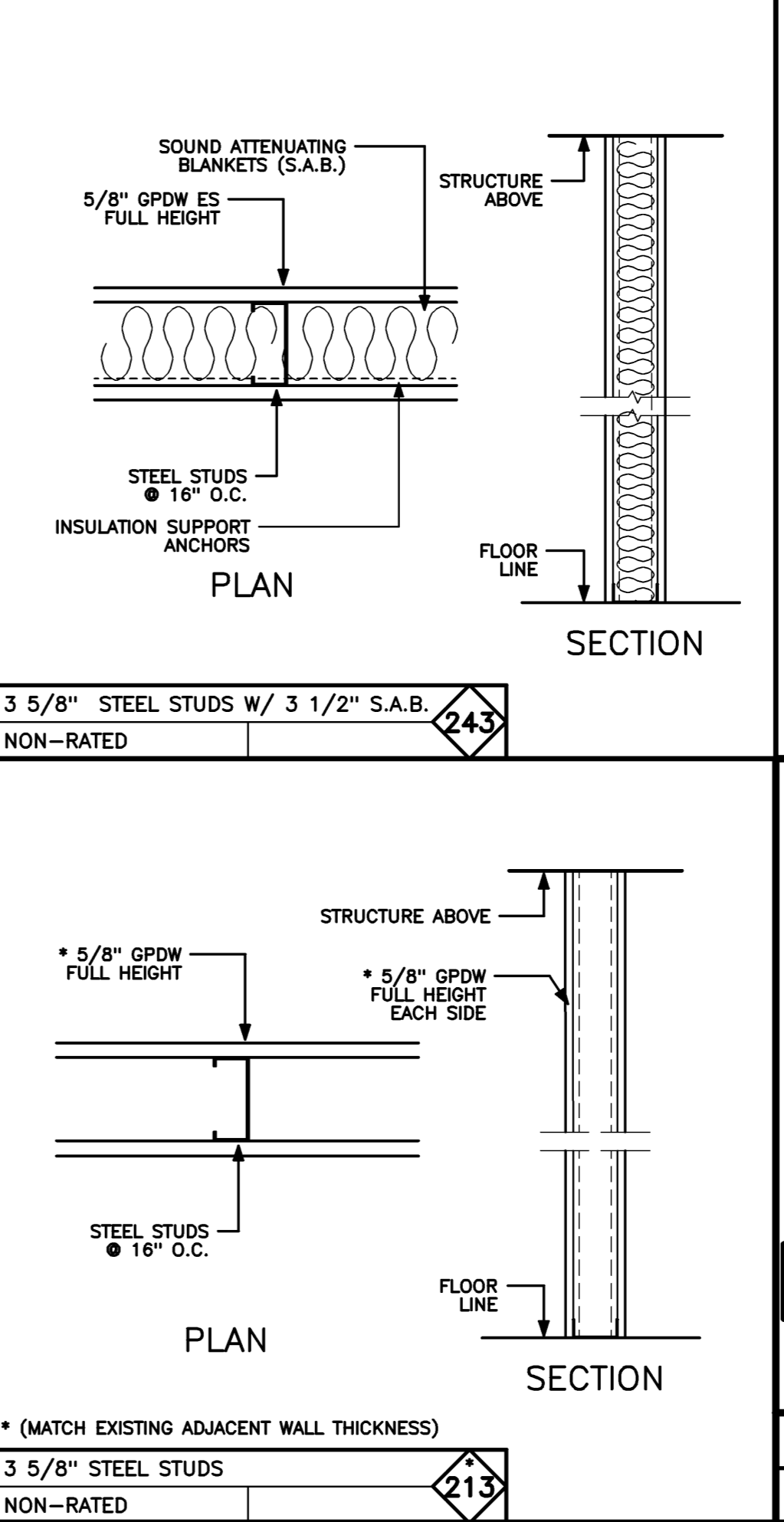
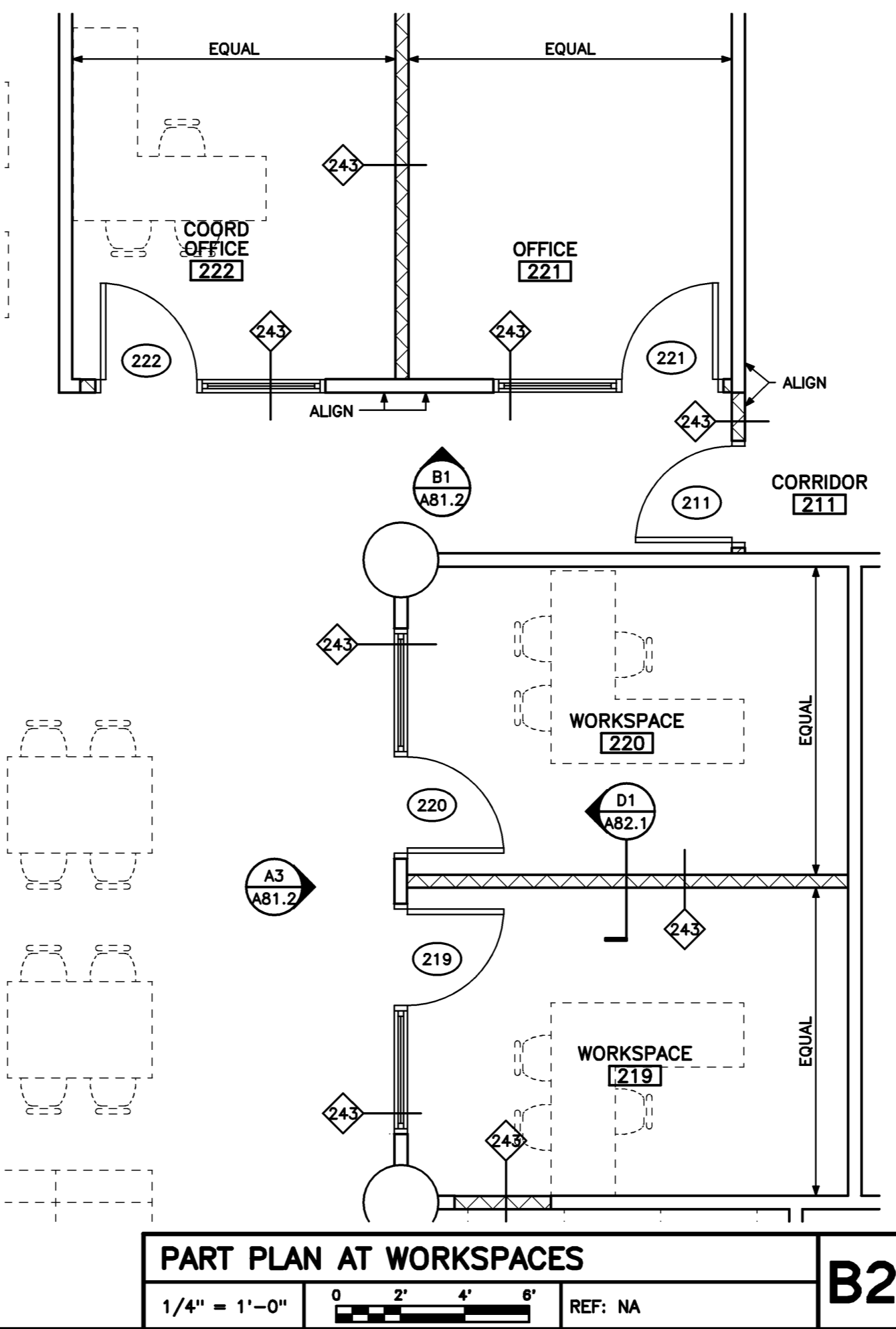
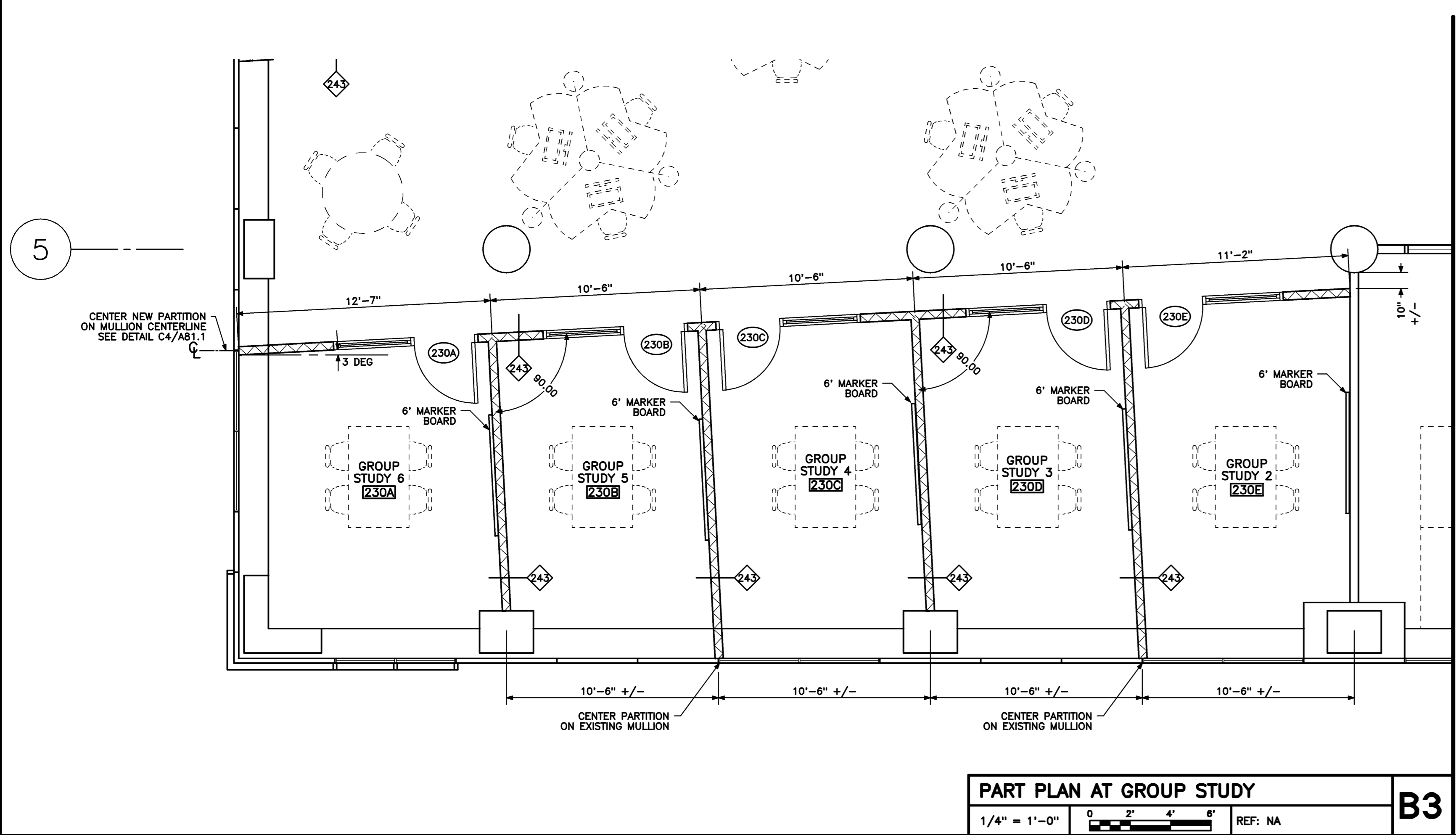
NO SCALE	REF: NA
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A2

MATERIALS LEGEND

NO SCALE	REF: NA
----------	---------

A1



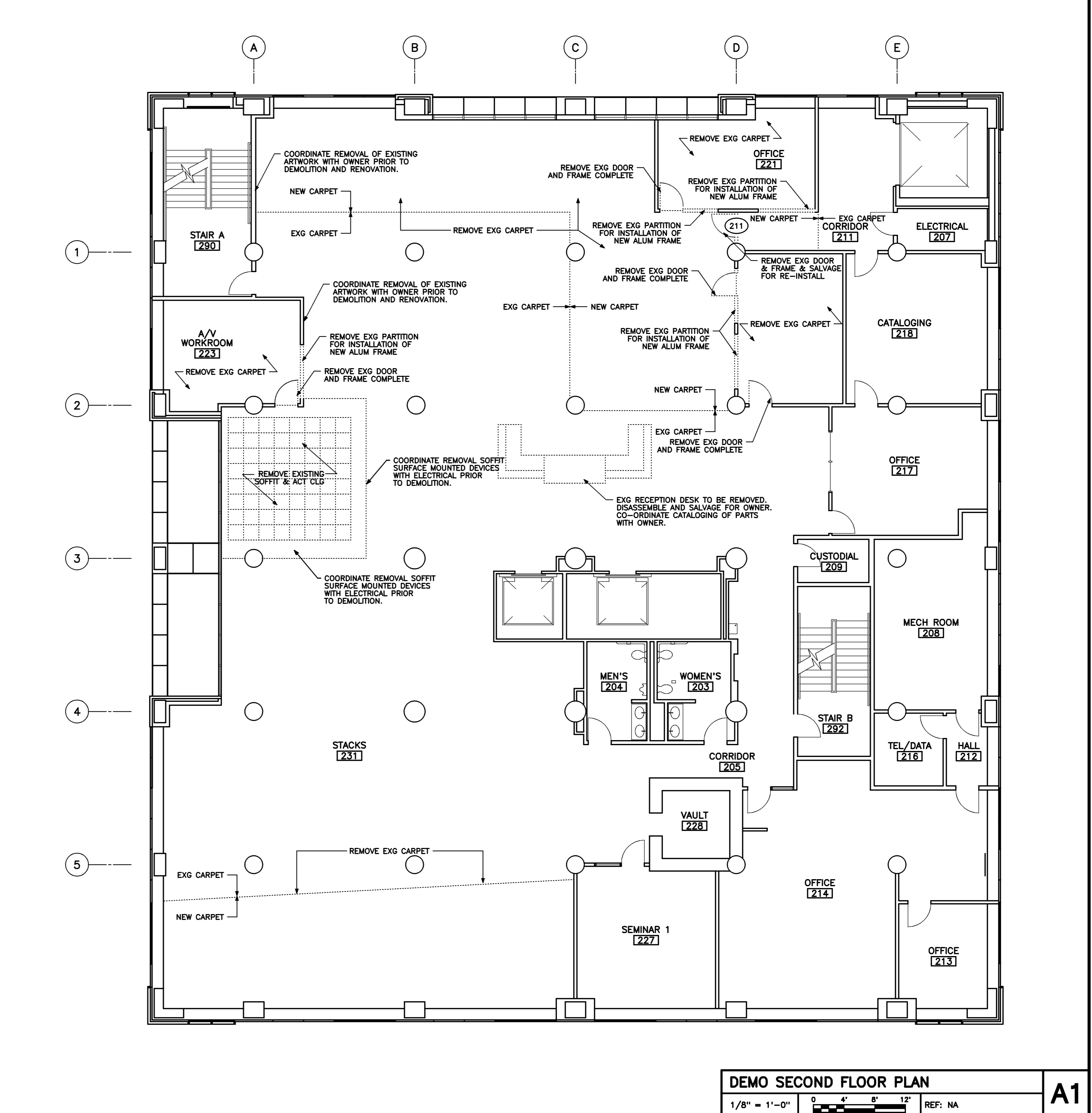
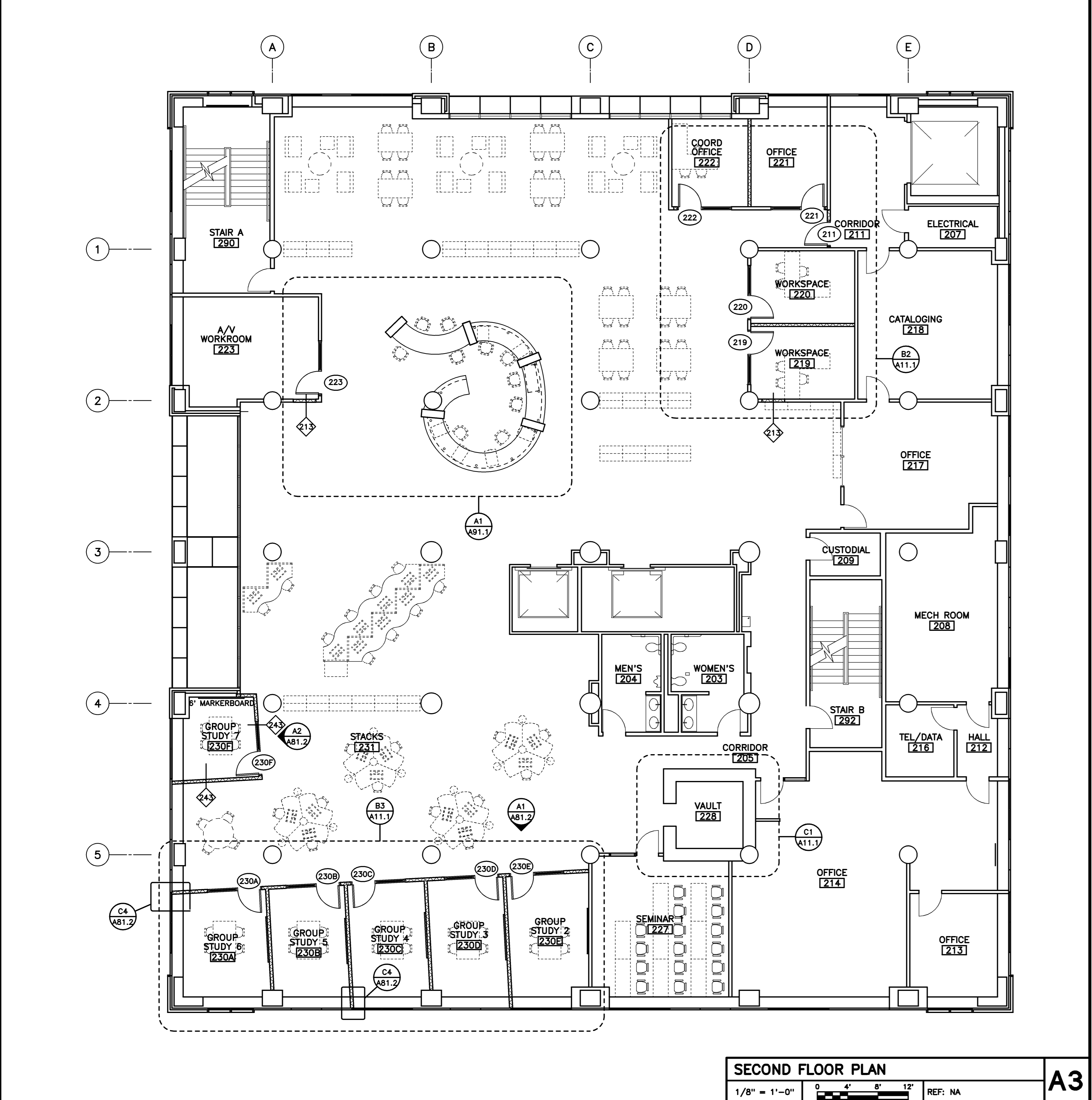
GENERAL NOTES

- NOT USED
- SEE SECTIONS AND DETAILS FOR CONNECTIONS OTHER THAN THOSE SHOWN.
- ALL GPDW TO BE TYPE-X GPDW.
- ALL PARTITIONS EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK. SEAL ALL PARTITIONS TO DECK FOR SMOKE & SOUND CONTROL. FILL ALL VOIDS BETWEEN TOP OF PARTITION AND DECK AS SPECIFIED.

PARTITION LEGEND

STUD OR CMU SIZE	3 5/8" STEEL STUDS	010	PARTITION OR WALL TAG NO.
FIRE-RATING	1 HR FIRE-RATED	UL No. U465	
	UL DESIGN No. WHERE APPLICABLE		

NO SCALE REF: TYPICAL



Mark	Date	Description
-	08-05-11	ISSUED FOR BID
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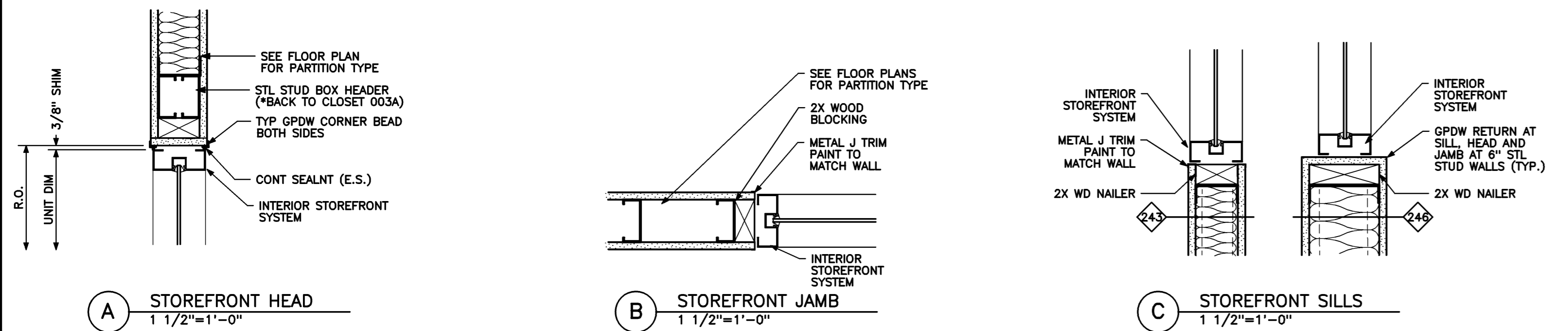
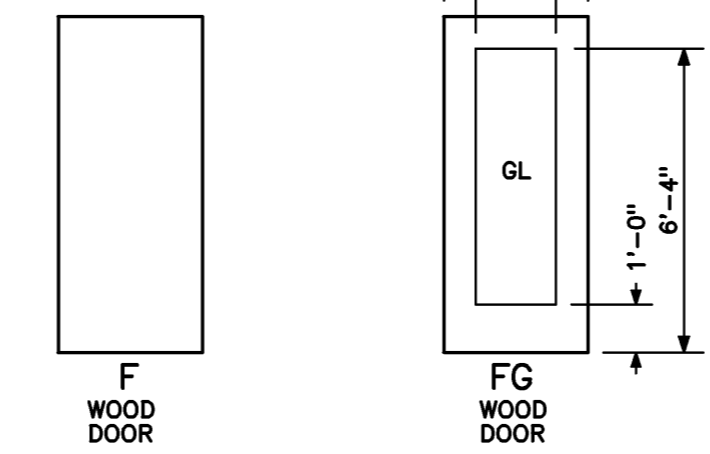
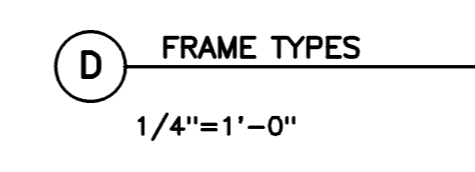
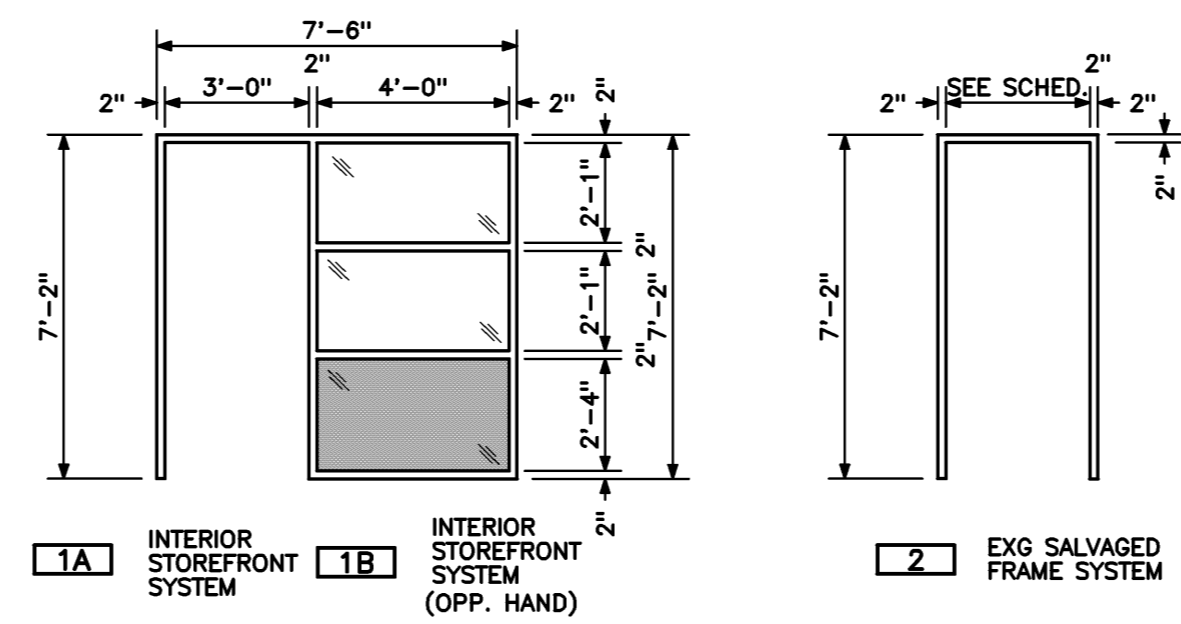
Drawing Status

Drawing Title
GLICKMAN LIBRARY DEMO PLAN, FLOOR PLAN AND DTLS
PA / PE: RCK Drawn By: ERP
Drawing Number

A11.1

DOOR AND BORROWED LIGHT SCHEDULE

AREA	No.	DOOR					FRAME					FIRE RATING	HDW SET	REMARKS			
		SIZE			MAT	TYPE	GLASS	LOUVER		MAT	TYPE				DETAILS		
		W	H	T				W	H						HEAD	JAMB	SILL
	211	EXG	EXG	EXG	EXG	EXG	EXG	EXG	EXG	2	(A)B3/A21.1	(B)B3/A21.1	-	-	-	RELOCATED DOOR AND FRAME	
	219	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1A	(A)B3/A21.1	(B)B3/A21.1	-	-		
	220	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1B	(A)B3/A21.1	(B)B3/A21.1	-	-		
	221	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1B	(A)B3/A21.1	(B)B3/A21.1	-	-		
	222	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1A	(A)B3/A21.1	(B)B3/A21.1	-	-		
	223	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1A	(A)B3/A21.1	(B)B3/A21.1	-	-		
	230A	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1A	(A)B3/A21.1	(B)B3/A21.1	-	-		
	230B	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1A	(A)B3/A21.1	(B)B3/A21.1	-	-		
	230C	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1B	(A)B3/A21.1	(B)B3/A21.1	-	-		
	230D	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1A	(A)B3/A21.1	(B)B3/A21.1	-	-		
	230E	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1B	(A)B3/A21.1	(B)B3/A21.1	-	-		
	230F	3'-0"	7'-0"	-	WD	FG	TEMP	-	-	AL	1A	(A)B3/A21.1	(B)B3/A21.1	-	-		



MATERIALS LEGEND

MATERIAL	CODE NO.	MANUF. / SERIES	COLOR / FINISH
CARPET TILE	CPT1	J&J INVISION MACHE TRACE (7609) 24" X 24"	EMBOSS (442) ASHLAR INSTALL
	CPT2	J&J INVISION PULP (7607) 24" X 24"	GRASSCLOTH (445) ASHLAR INSTALL
	CPT3	J&J INVISION PULP (7607) 24" X 24"	GARLAND (425) ASHLAR INSTALL
RUBBER FLOORING	FL1	JOHNSONITE RT (ROUND) 24X24	MOONROCK 29
RUBBER WALL BASE	RT1	JOHNSONITE VIRTR-RD	MOONROCK 29
RUBBER WALL BASE	RB1	JOHNSONITE 6"	MOONROCK 29
PAINT	P1	SHERWIN WILLIAMS	SHOJI WHITE (SW7042)
	P2	SHERWIN WILLIAMS	ANONYMOUS (SW7046)
	P3	SHERWIN WILLIAMS	INTELLECTUAL GRAY (SW7045)
	P4	SHERWIN WILLIAMS	COMPOSED (SW6472)
	P5	SHERWIN WILLIAMS	ANTIQUITY (SW6402)
	P6	SHERWIN WILLIAMS	BOLD BRICK (SW6327)
	P7	SHERWIN WILLIAMS	CHRYSANTHEMUM (6347)
	P8	SHERWIN WILLIAMS	BUTTERFIELD (SW6676)
PLASTIC LAMINATE	PLAM 1	NEVAMAR	FOUNDRY (S 2084 T) TEXTURED
	PLAM 2	FORMICA	GRENADINE (6902-MC) MICRO DOT FINISH

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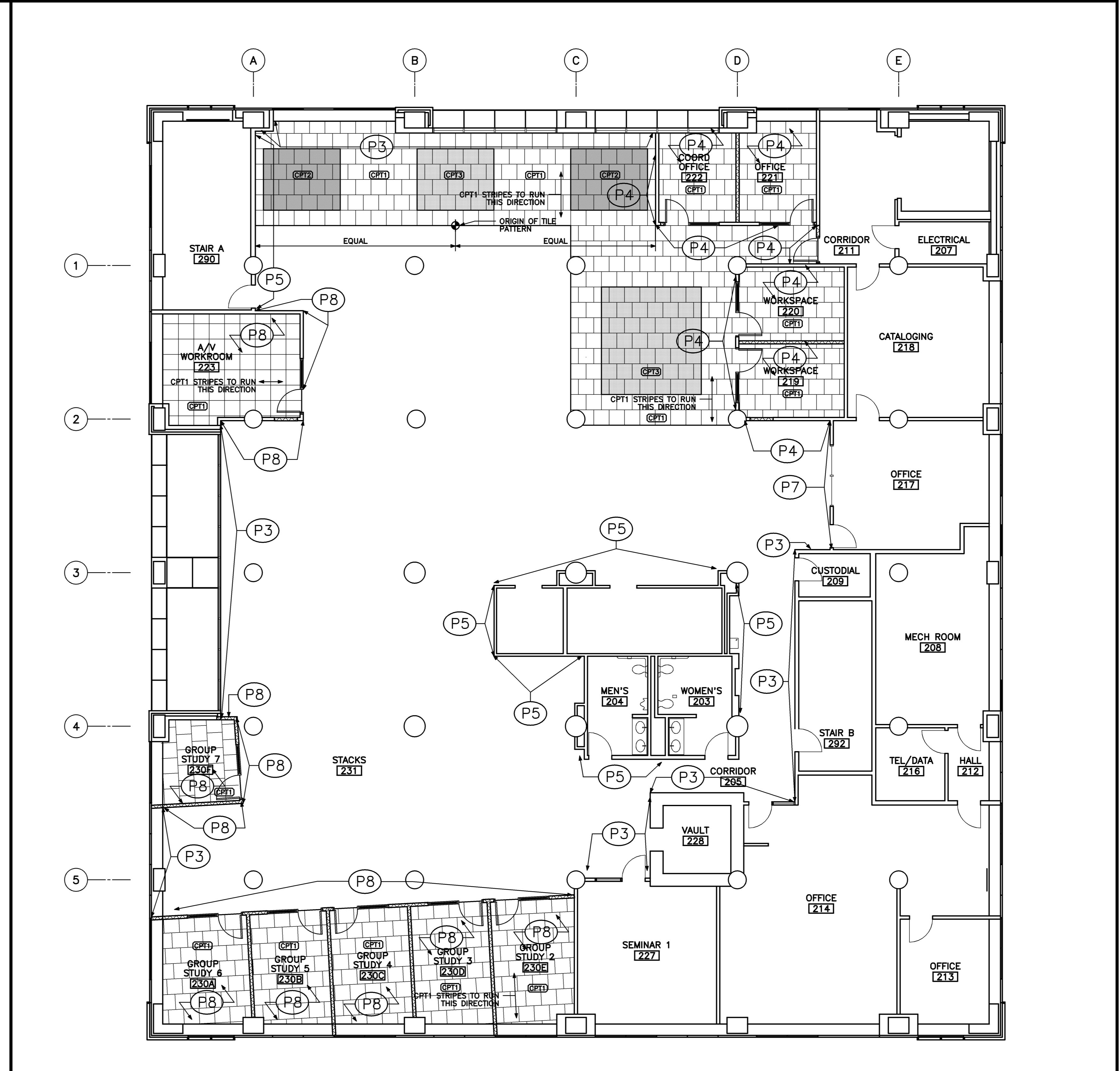
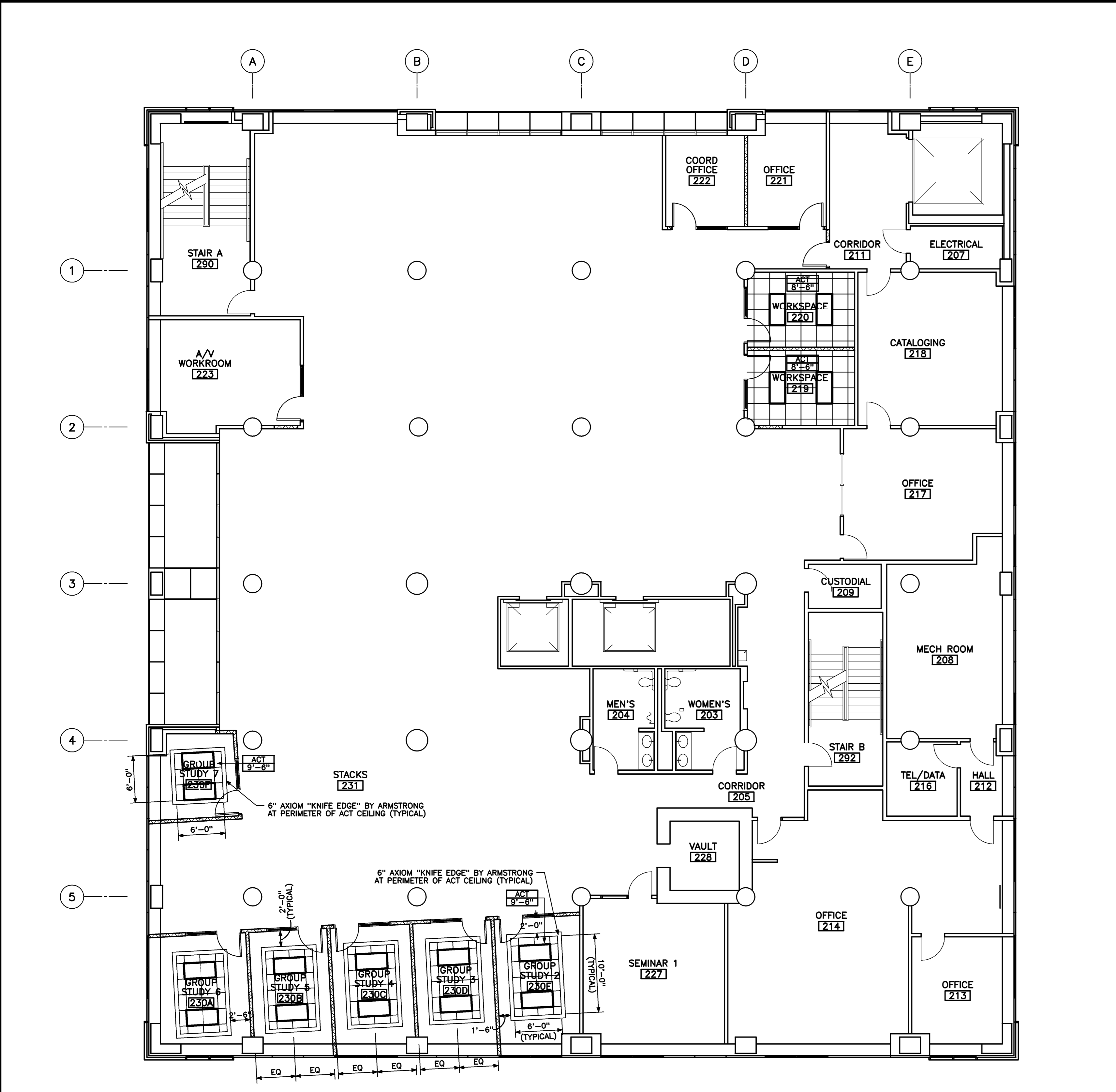
Project Title
UNIVERSITY OF SOUTHERN MAINE LEARNING COMMONS RENOVATIONS
GLICKMAN LIBRARY
PORTLAND, ME

NA Project No. 11103-02

Key Plan

DOOR & FRAME SCHEDULES AND TYPES
AS NOTED REF: NA **B3**

MATERIAL LEGEND
1/8" = 1'-0" REF: NA **B1**



- GENERAL NOTES:
- ALL EXG DOORS, FRAMES, & BORROWED LITES TO BE PAINTED P2 UNLESS NOTED OTHERWISE.
 - ALL COLUMNS TO BE PAINTED P2 UNLESS NOTED OTHERWISE.
 - PROVIDE TRANSITION STRIPS AT NEW CARPET TO EXG CARPET. LOCATE TRANSITION AT CENTERLINE OF DOOR IN CLOSED POSITION UNLESS NOTED OTHERWISE.

CARPET TILE KEY

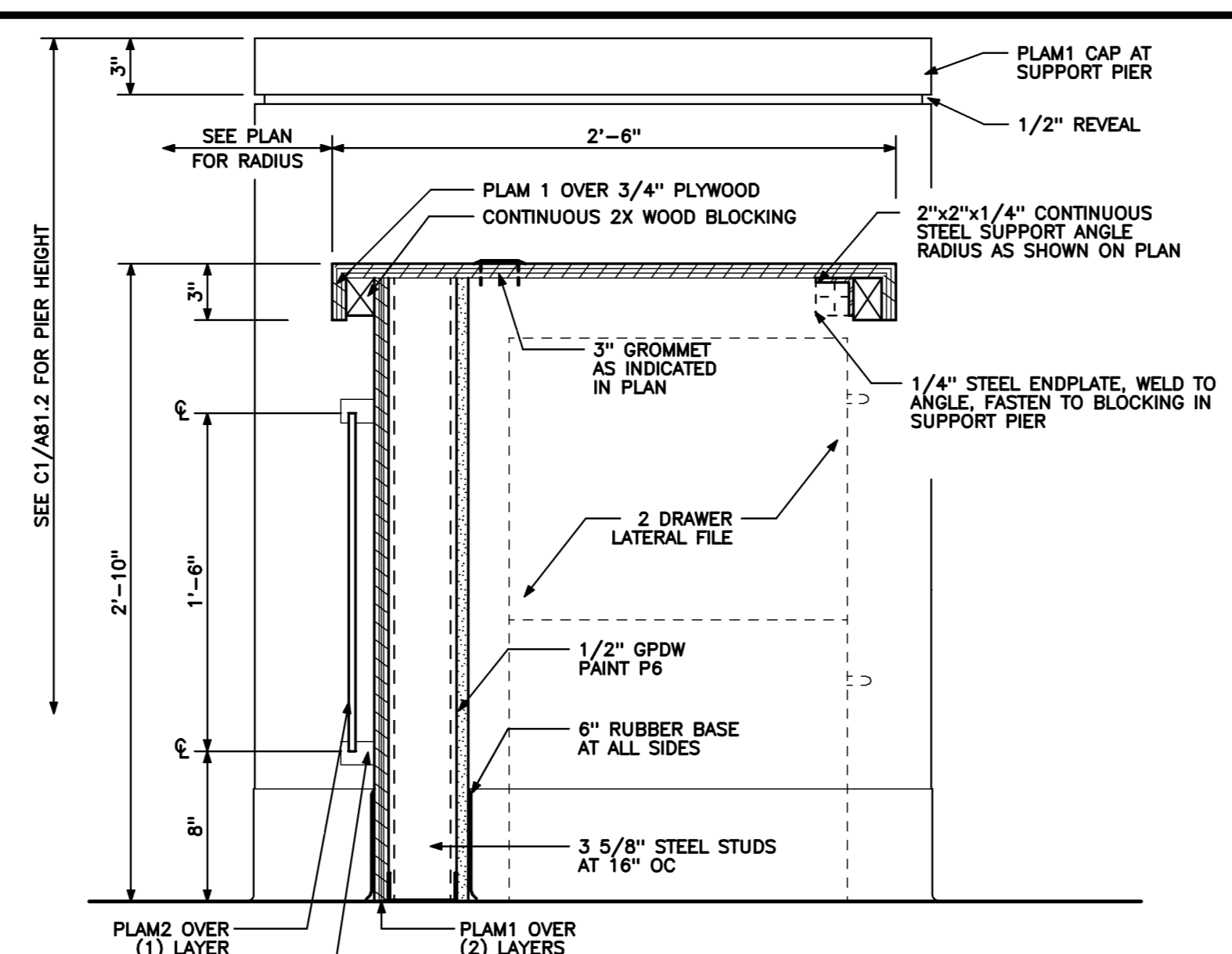
- CPT1
- CPT2
- CPT3

Mark	Date	Description
-	08-05-11	ISSUED FOR BID
-	07-28-11	FINAL REVIEW

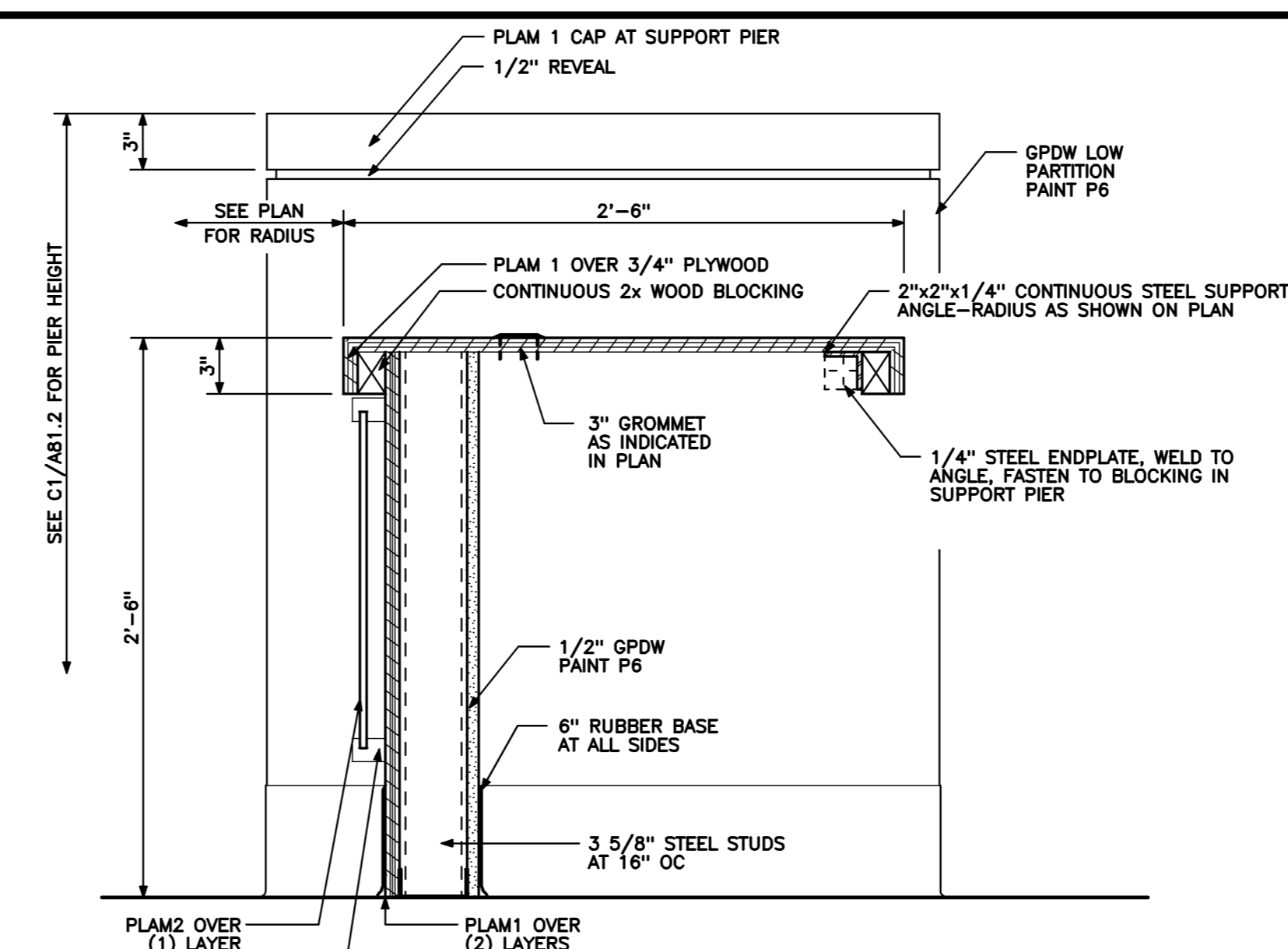
Drawing Status

Drawing Title
GLICKMAN LIBRARY FINISH PLAN, RCP AND SCHEDULES
PA / PE: RCK Drawn By: ERP
Drawing Number

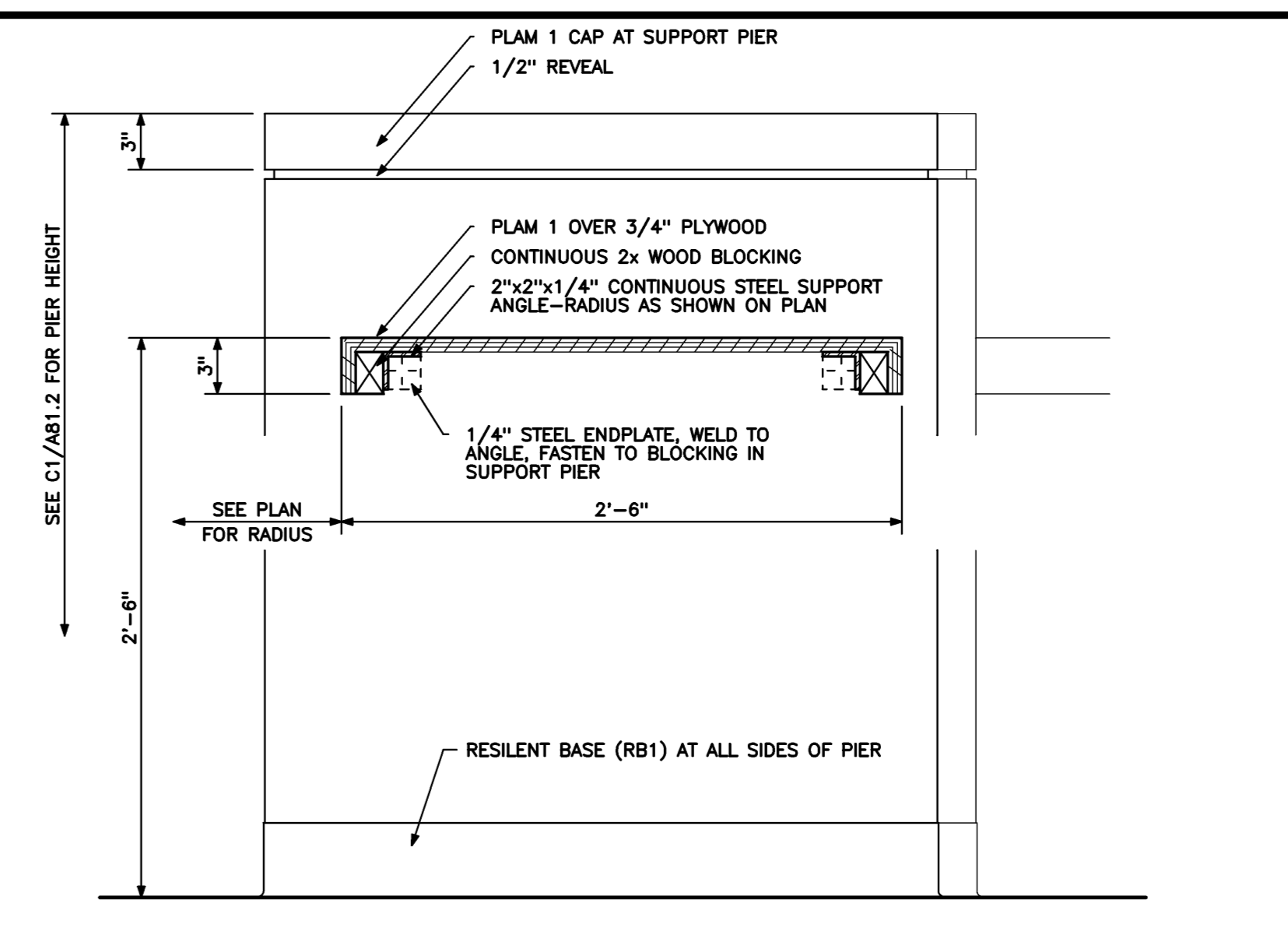
A21.1



HELP COUNTER SECTION 'A'
1 1/2" = 1'-0" REF: NA

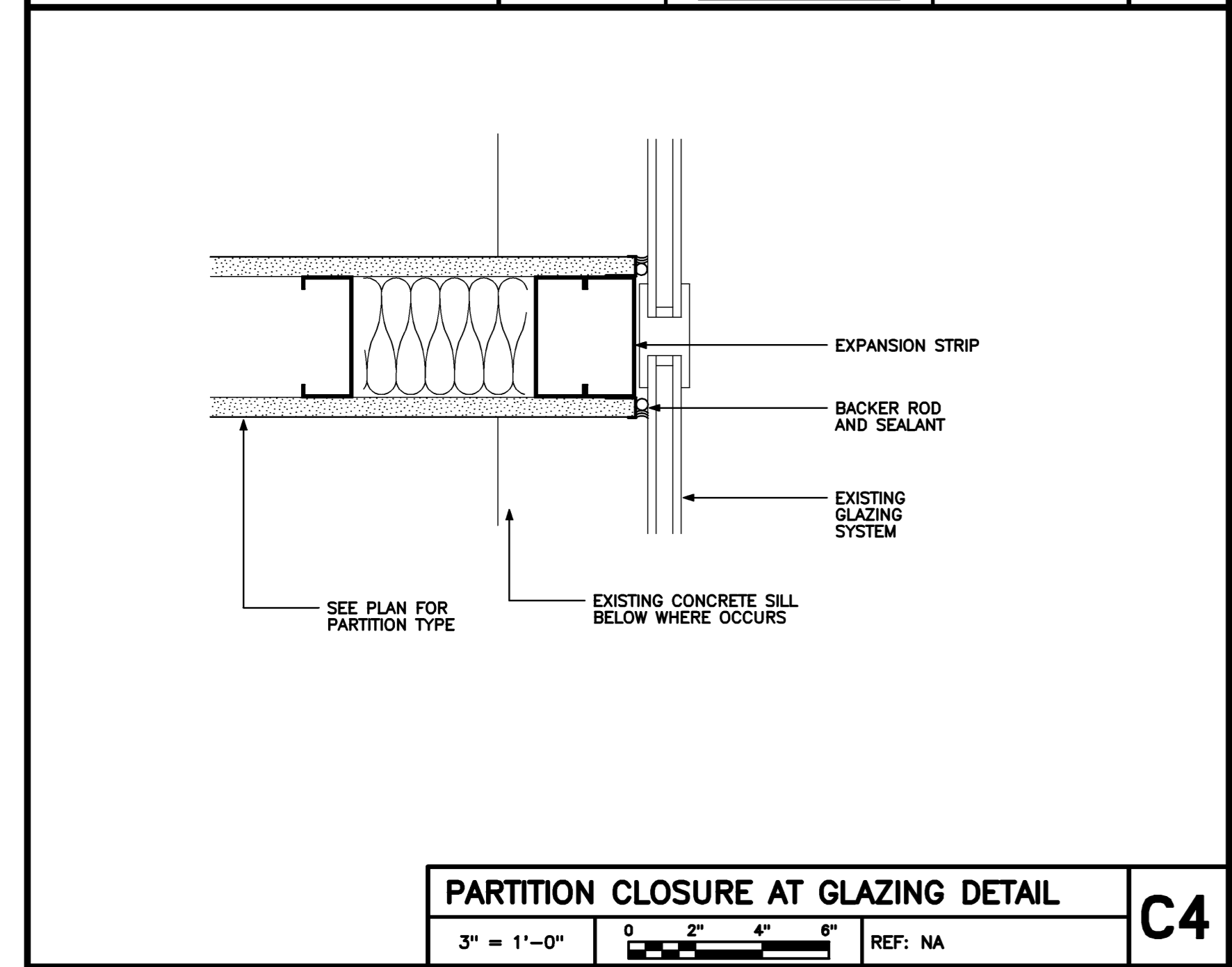


HELP COUNTER SECTION 'B'
1 1/2" = 1'-0" REF: NA

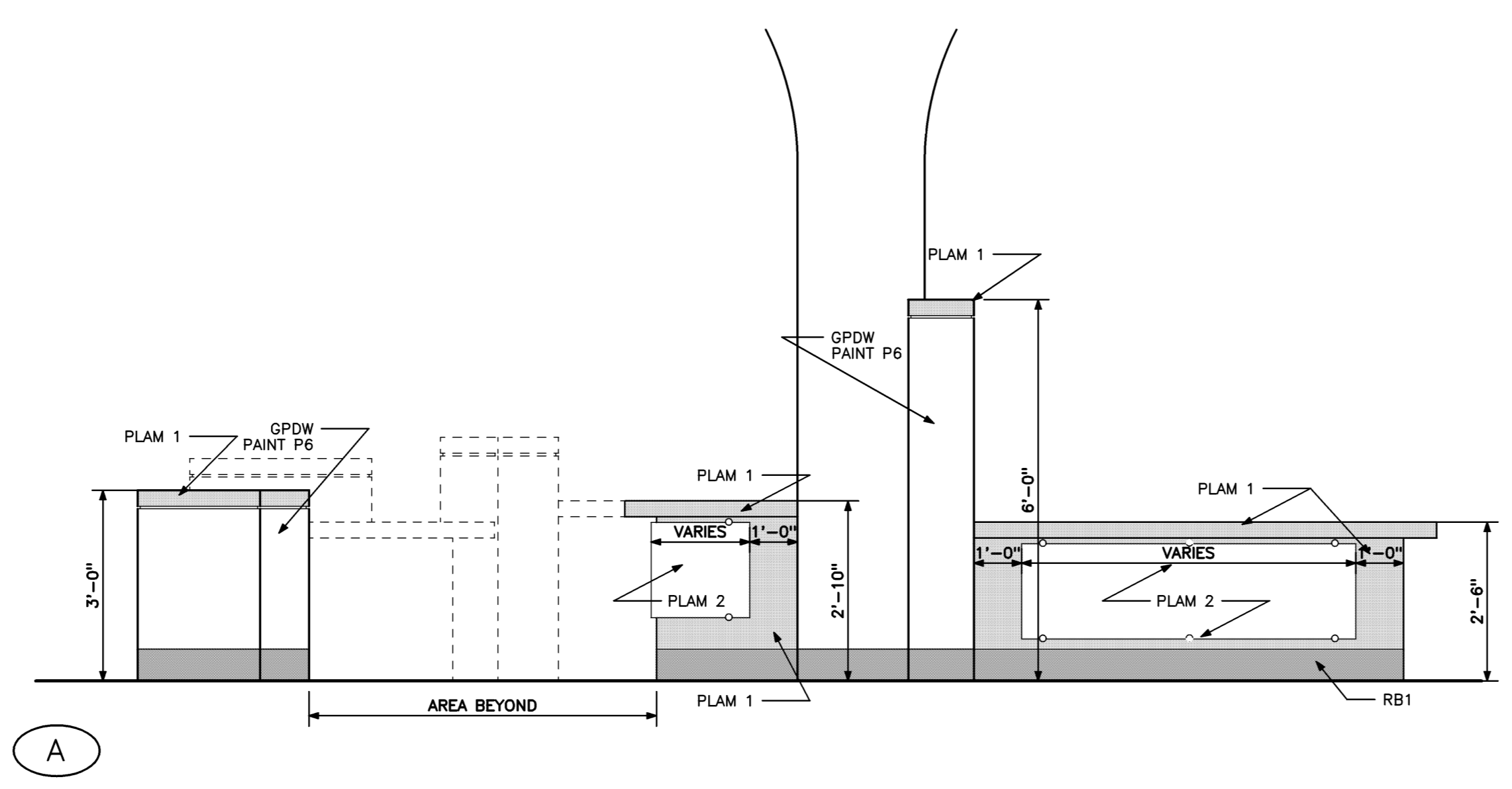


HELP COUNTER SECTION 'C'
1 1/2" = 1'-0" REF: NA

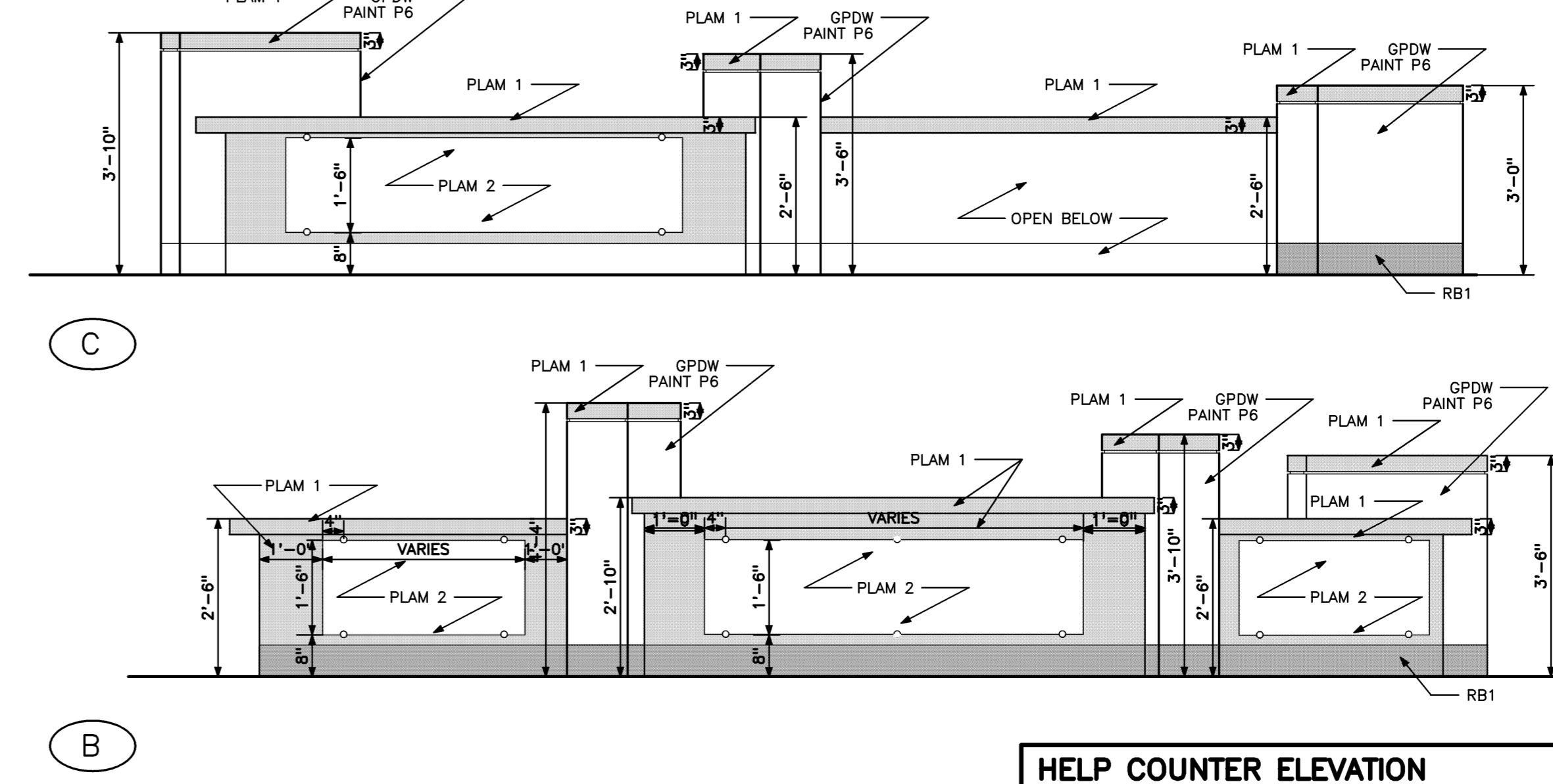
NOT USED
1" = 1'-0" REF: NA



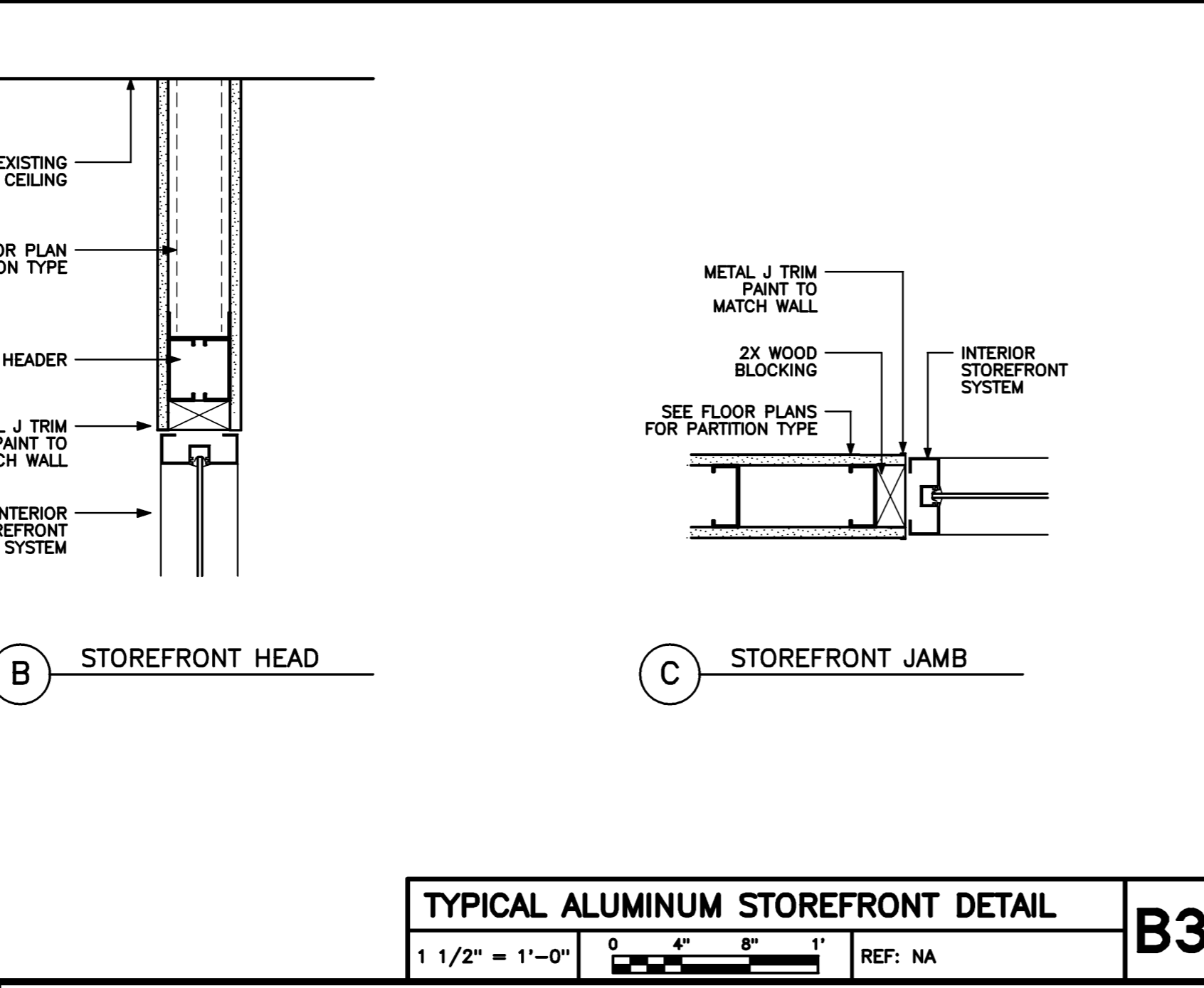
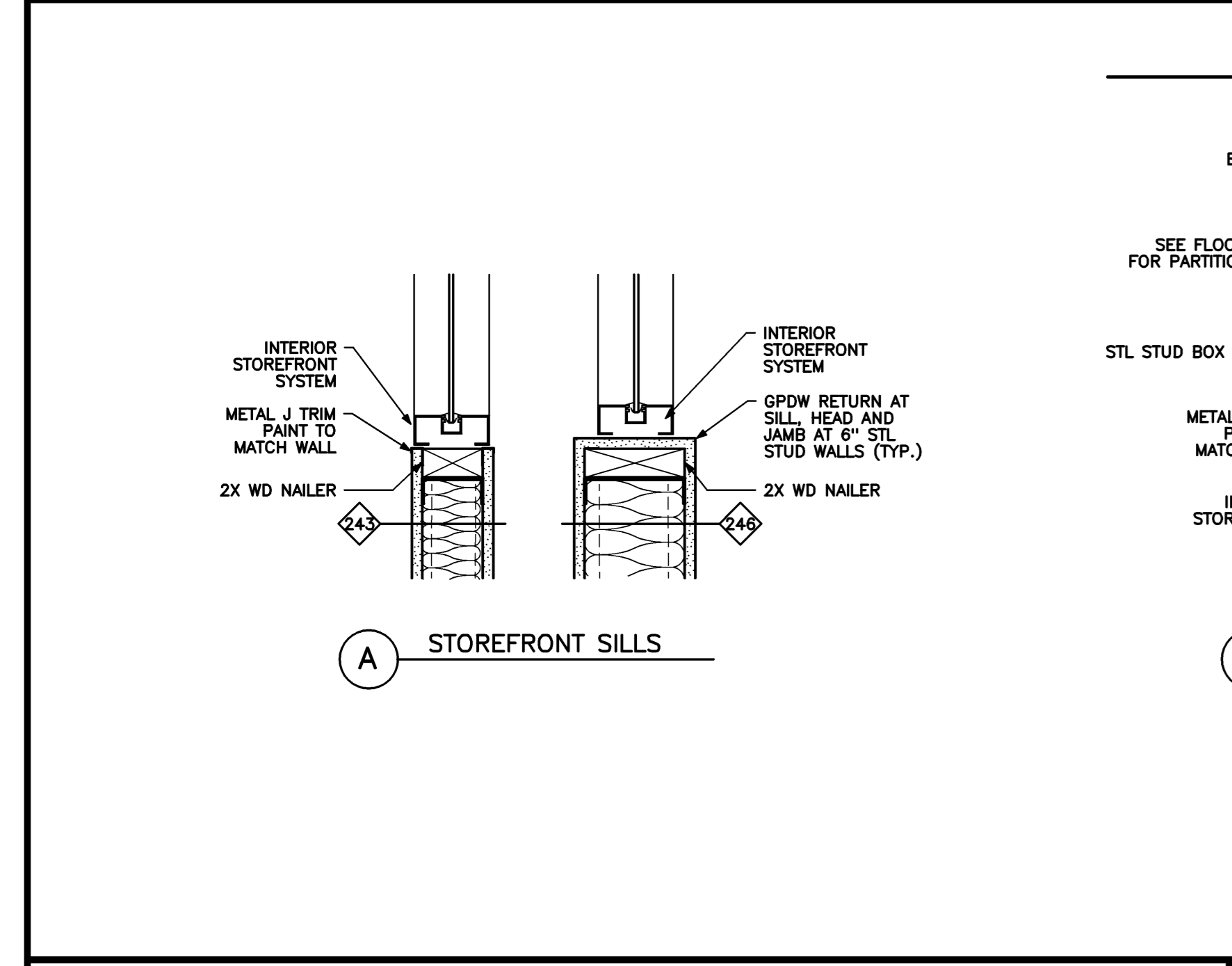
PARTITION CLOSURE AT GLAZING DETAIL
3" = 1'-0" REF: NA



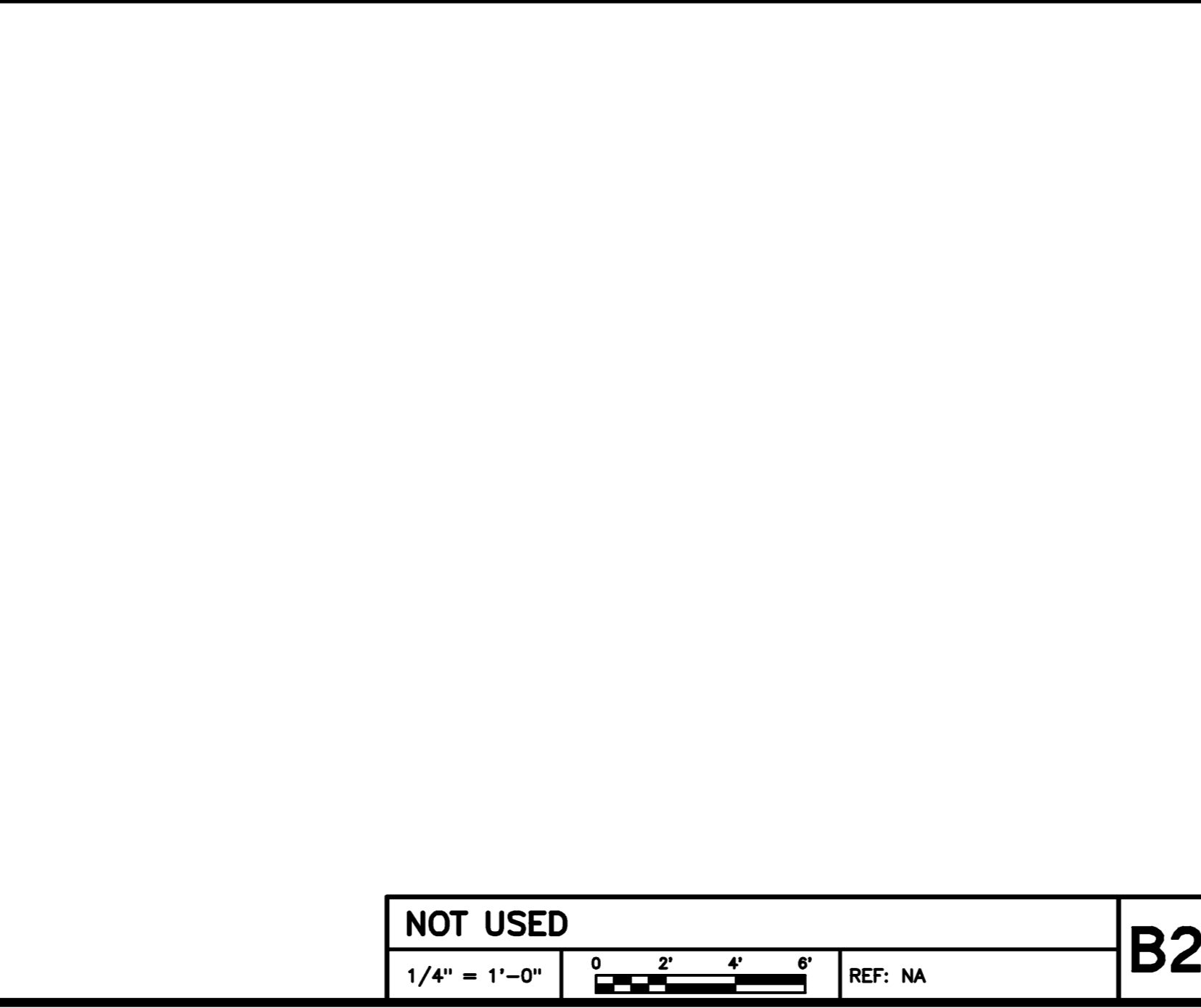
HELP COUNTER ELEVATION 'A'
1 1/2" = 1'-0" REF: NA



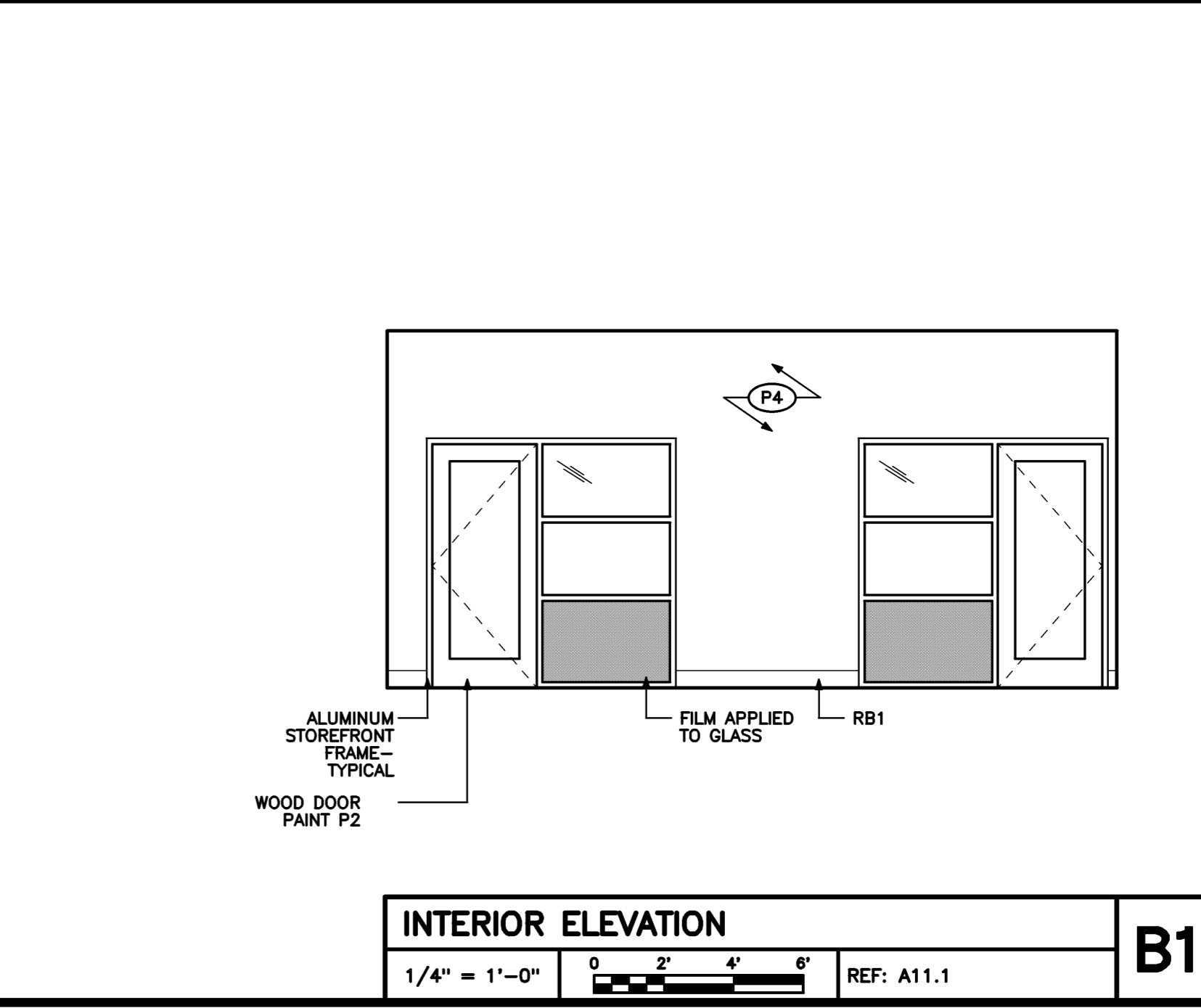
HELP COUNTER ELEVATION 'B' and 'C'
1 1/2" = 1'-0" REF: NA



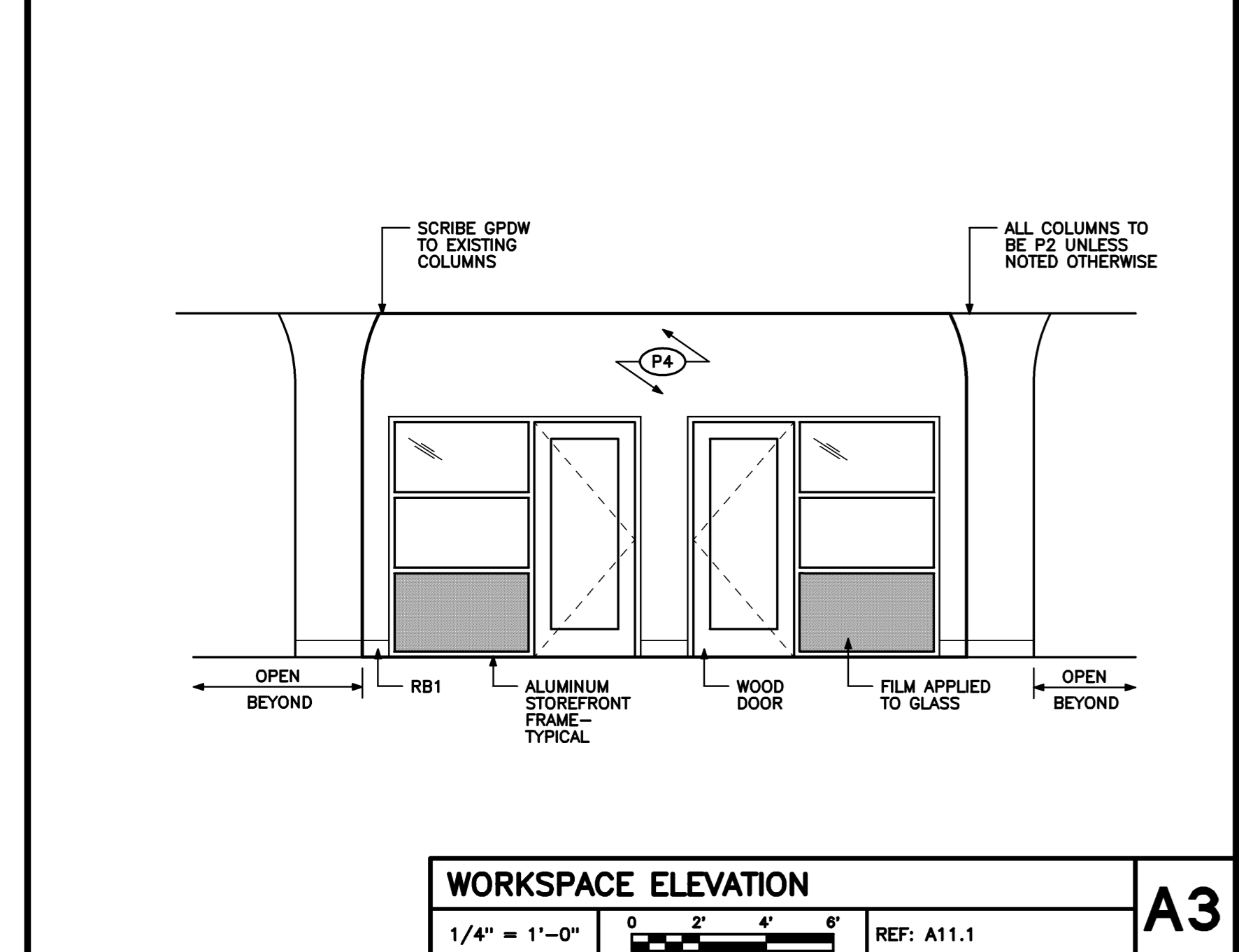
TYPICAL ALUMINUM STOREFRONT DETAIL
1 1/2" = 1'-0" REF: NA



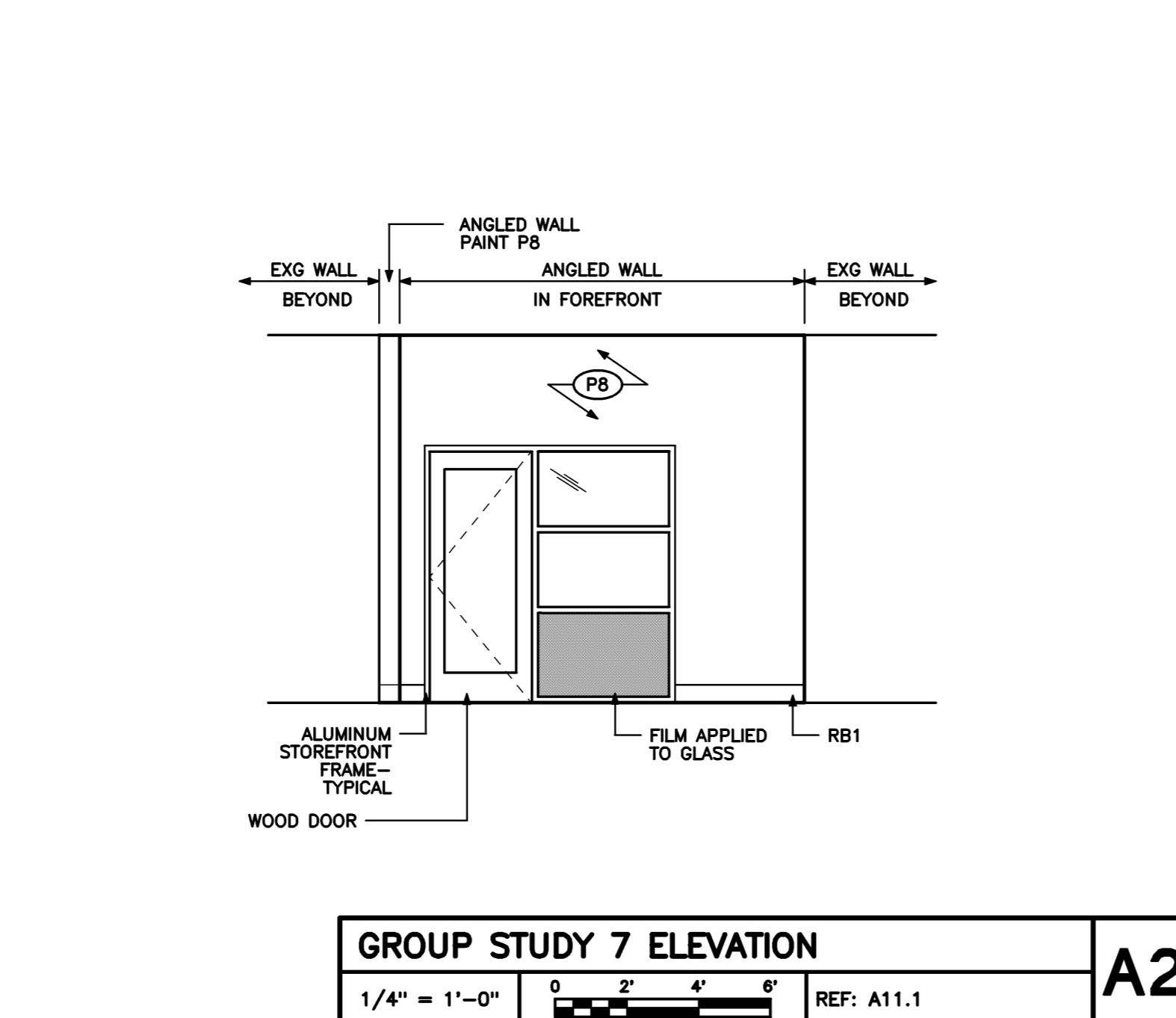
NOT USED
1/4" = 1'-0" REF: NA



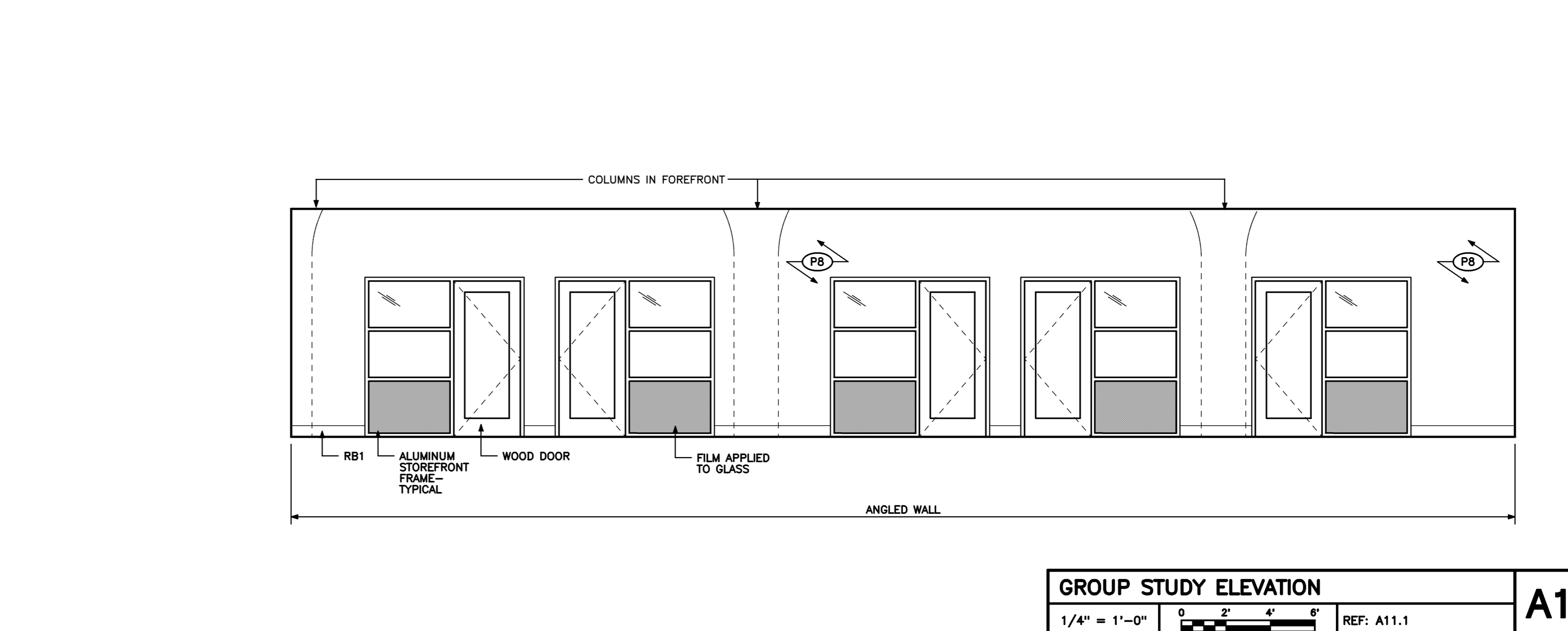
INTERIOR ELEVATION
1/4" = 1'-0" REF: A11.1



WORKSPACE ELEVATION
1/4" = 1'-0" REF: A11.1



GROUP STUDY 7 ELEVATION
1/4" = 1'-0" REF: A11.1



GROUP STUDY ELEVATION
1/4" = 1'-0" REF: A11.1



Mark	Date	Description
08-05-11		ISSUED FOR BID
07-28-11		FINAL REVIEW
Issue Dates		

Drawing Status

Drawing Title
GLICKMAN LIBRARY INTERIOR ELEVATIONS

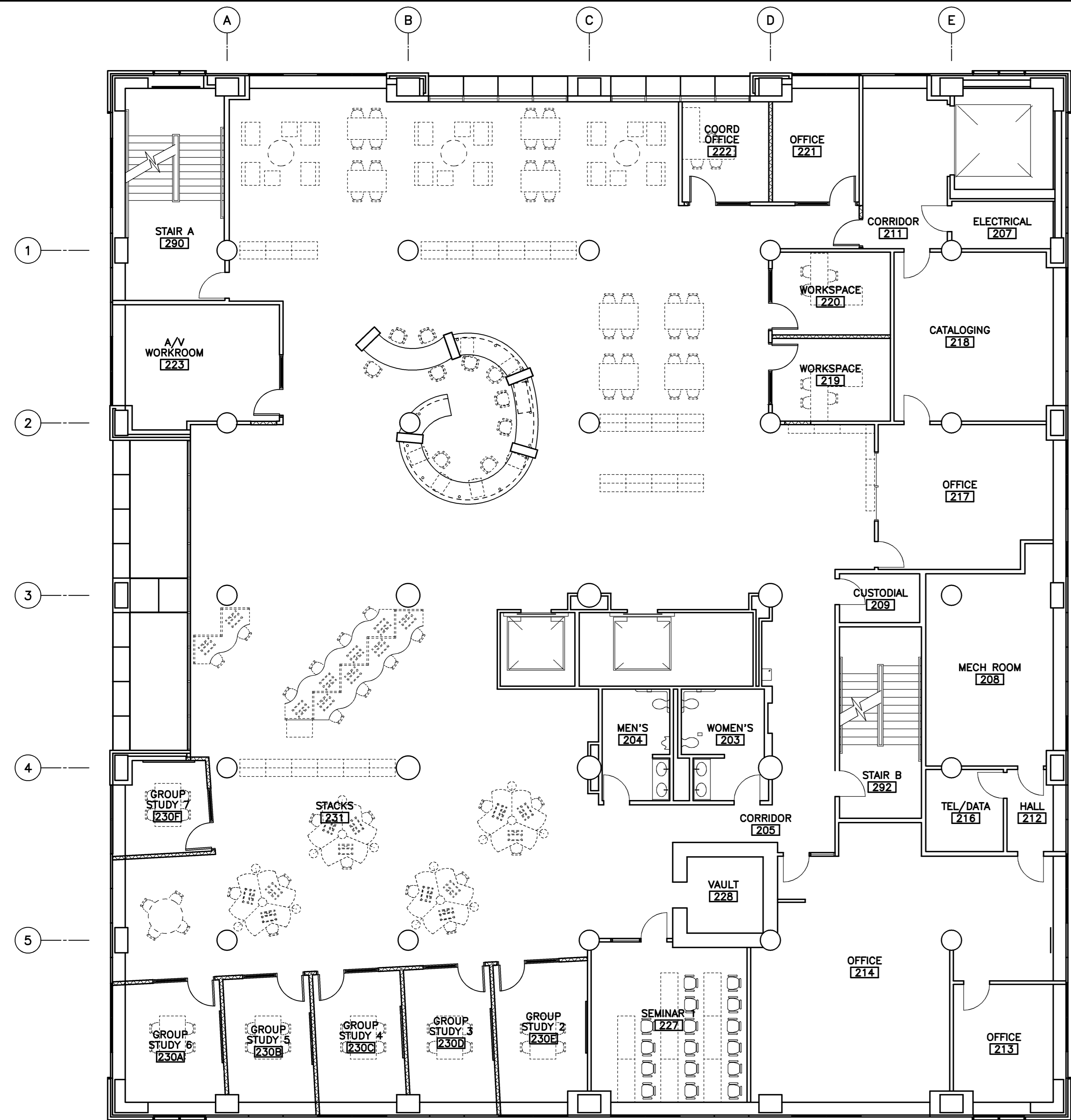
PA / PE: RCK Drawn By: KSA
Drawing Number

A81.1

SECTION AT WORKSPACE CEILING

1 1/2" = 1'-0" REF: NA

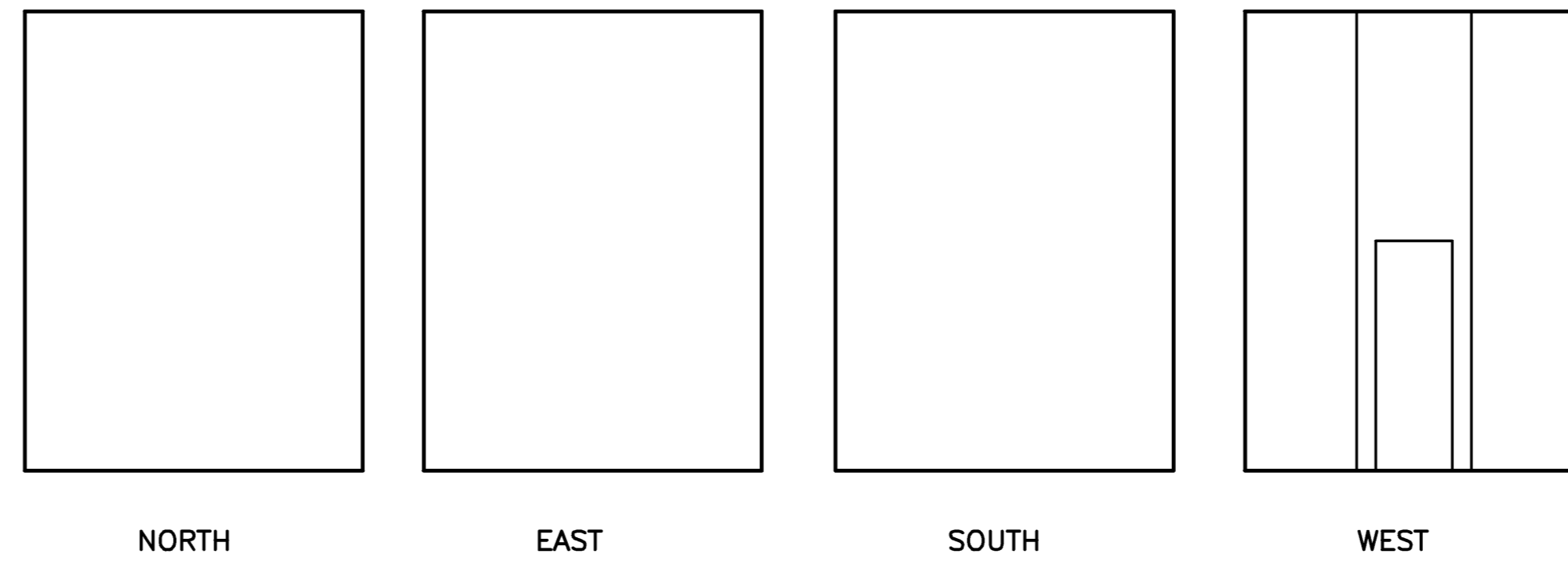
D1



FURNITURE PLAN (FOR INFORMATION ONLY)

1 1/2" = 1'-0" REF: NA

C1



ELEVATIONS AT VAULT

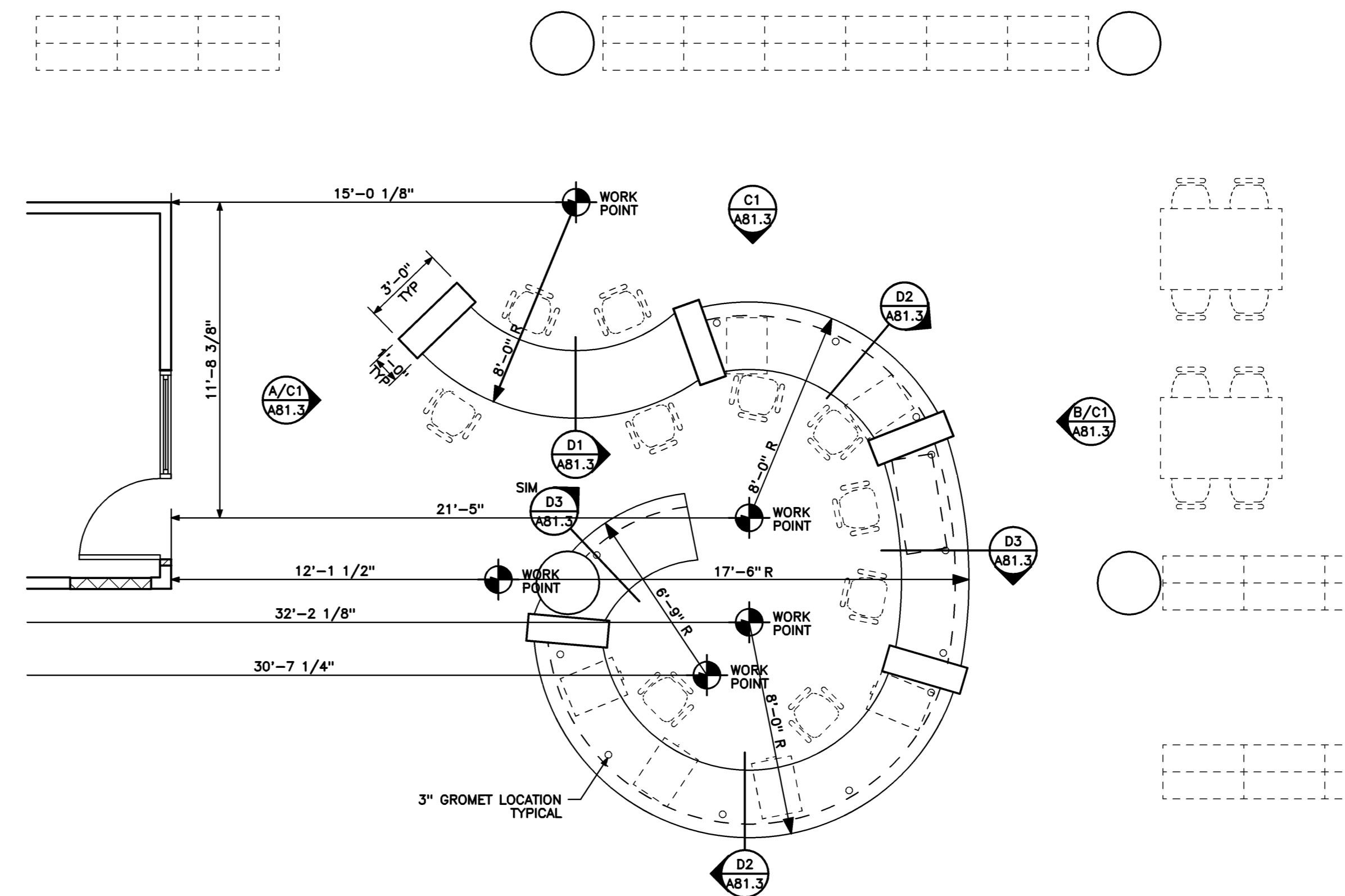
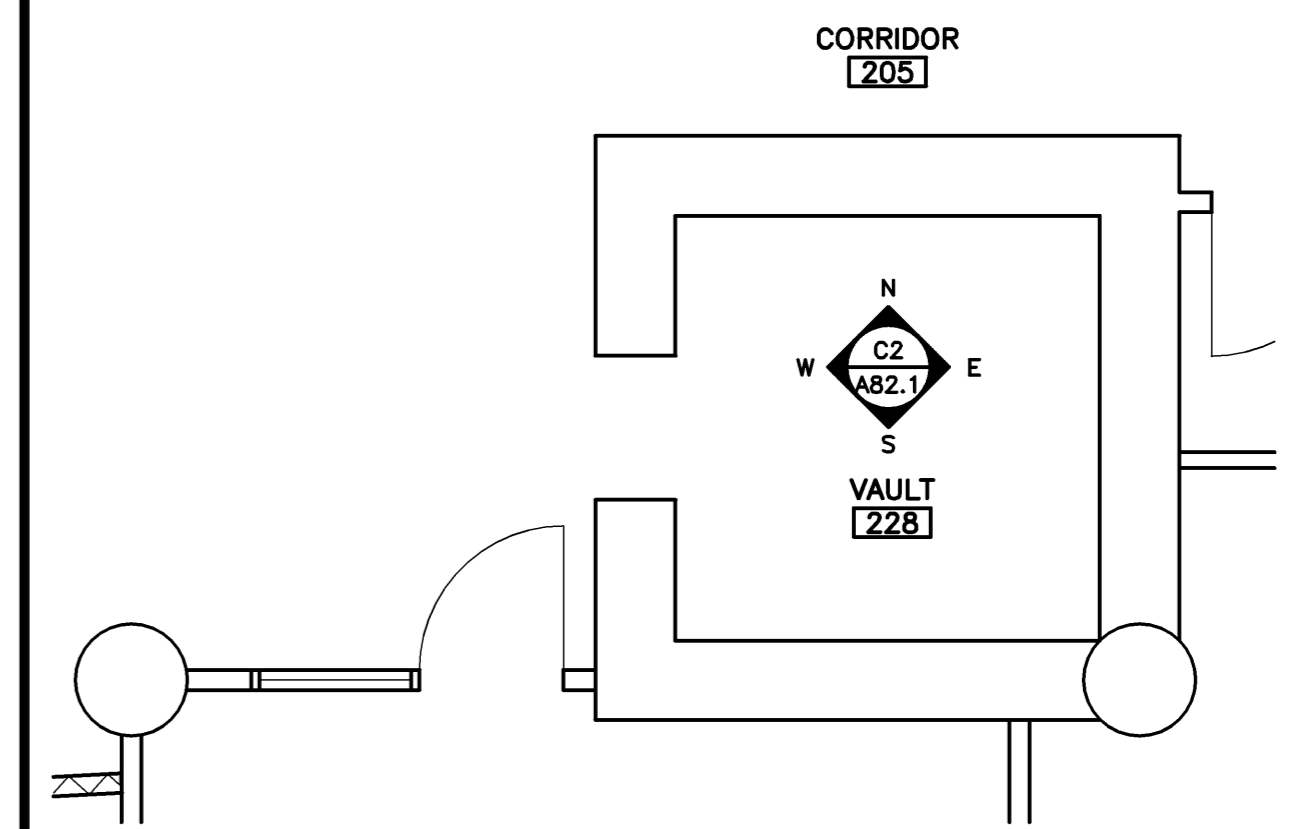
1/4" = 1'-0" REF: NA

C1

PART PLAN AT VAULT

1/4" = 1'-0" REF: NA

C1



PART PLAN AT HELP DESK

1/4" = 1'-0" REF: NA

A1

Mark	Date	Description
—	08-05-11	ISSUED FOR BID
Issue Dates		

Drawing Status

Drawing Title
GLICKMAN FURNITURE PLAN, PLANS AND DETAILS

PA / PE: RCK Drawn By: ERP

Drawing Number

A91.1

Project Title

UNIVERSITY OF
 SOUTHERN MAINE
 LEARNING COMMONS
 RENOVATIONS
 GLICKMAN LIBRARY
 PORTLAND, ME

NA Project No. 11103-02

Key Plan 

Mark	Date	Description
-	08-05-11	ISSUED FOR BID

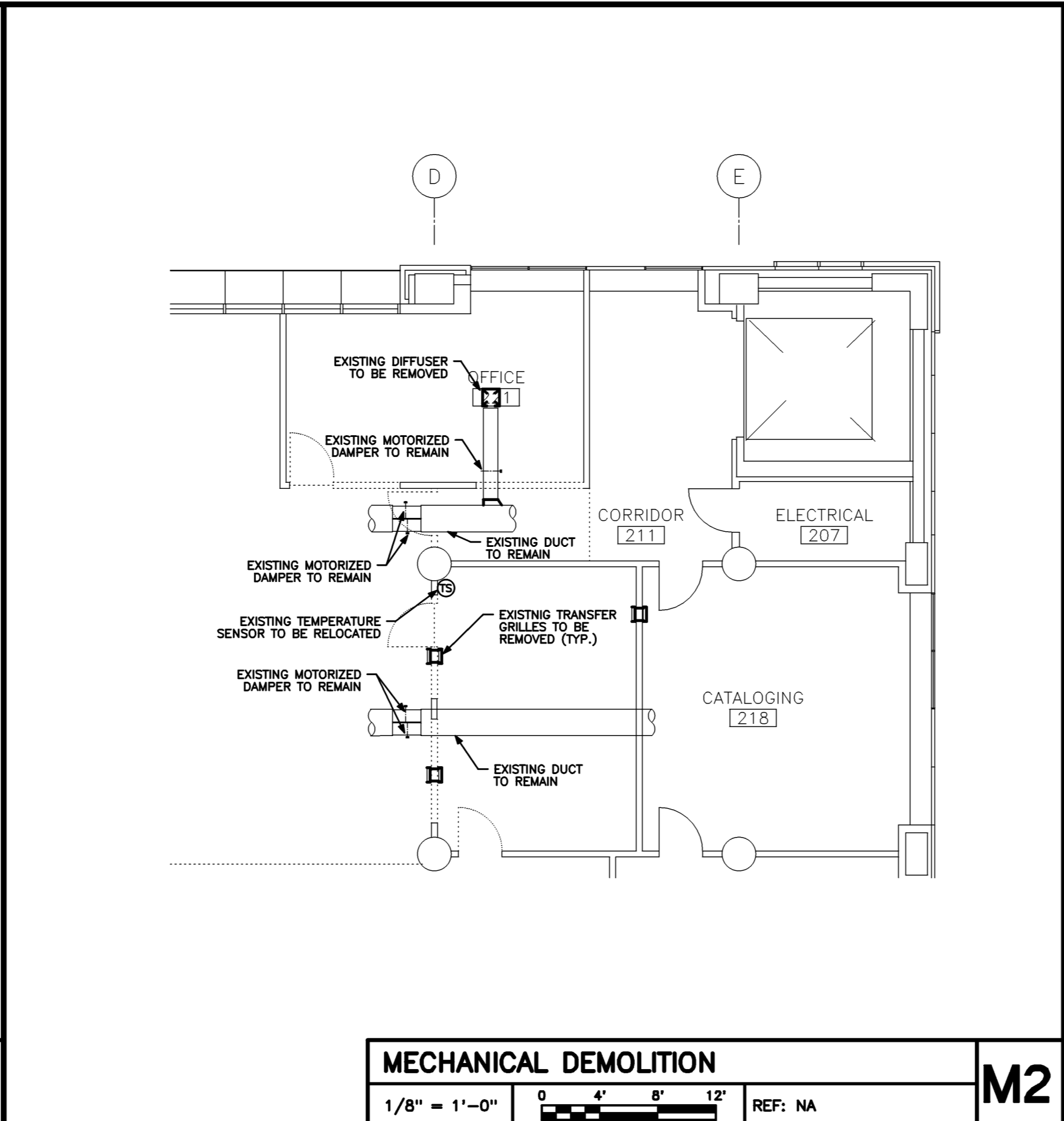
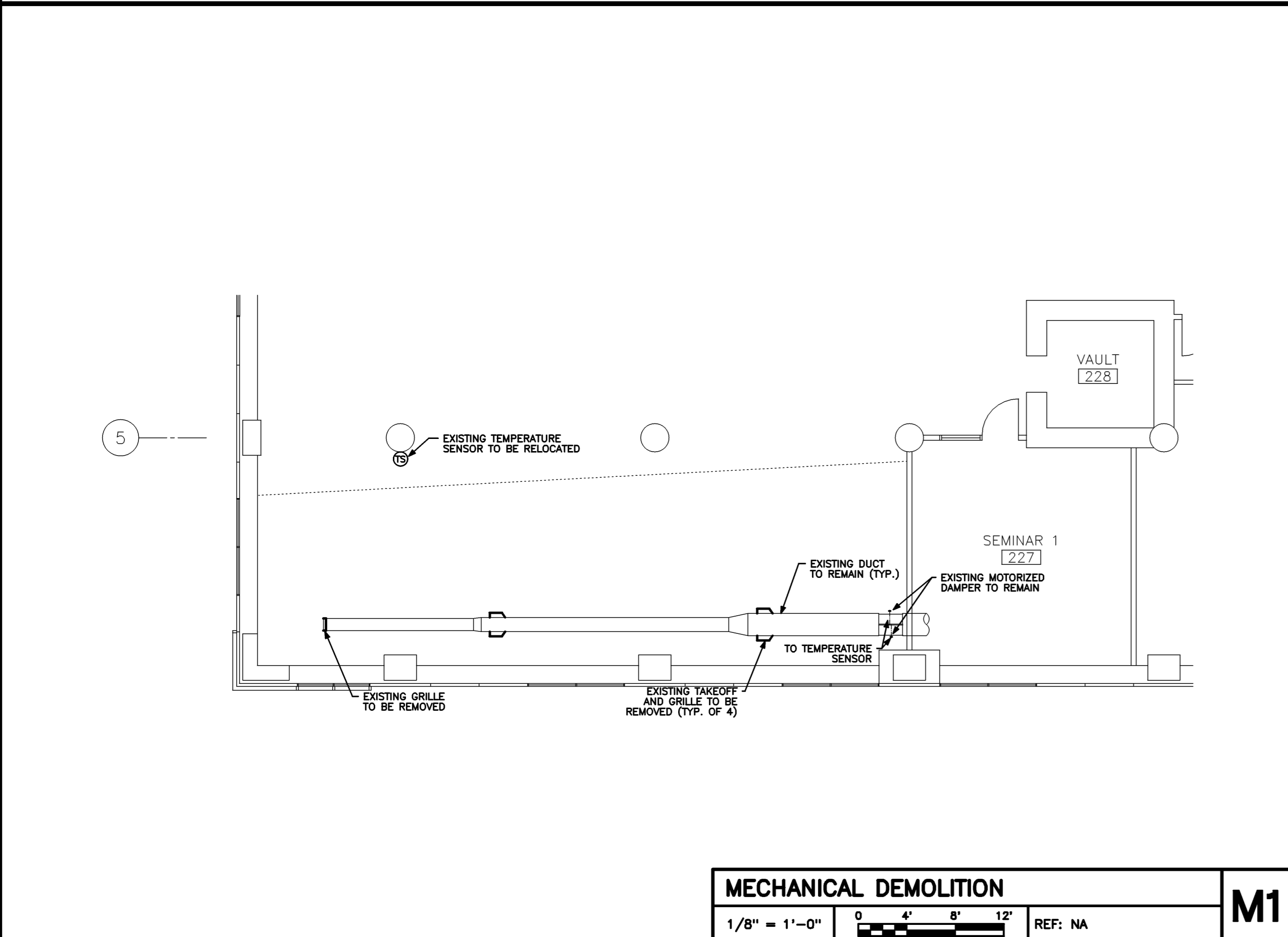
Drawing Status

Drawing Title
**MECHANICAL PLAN
 AND DETAILS**

PA / PE: **CG** Drawn By: **JSL**

Drawing Number

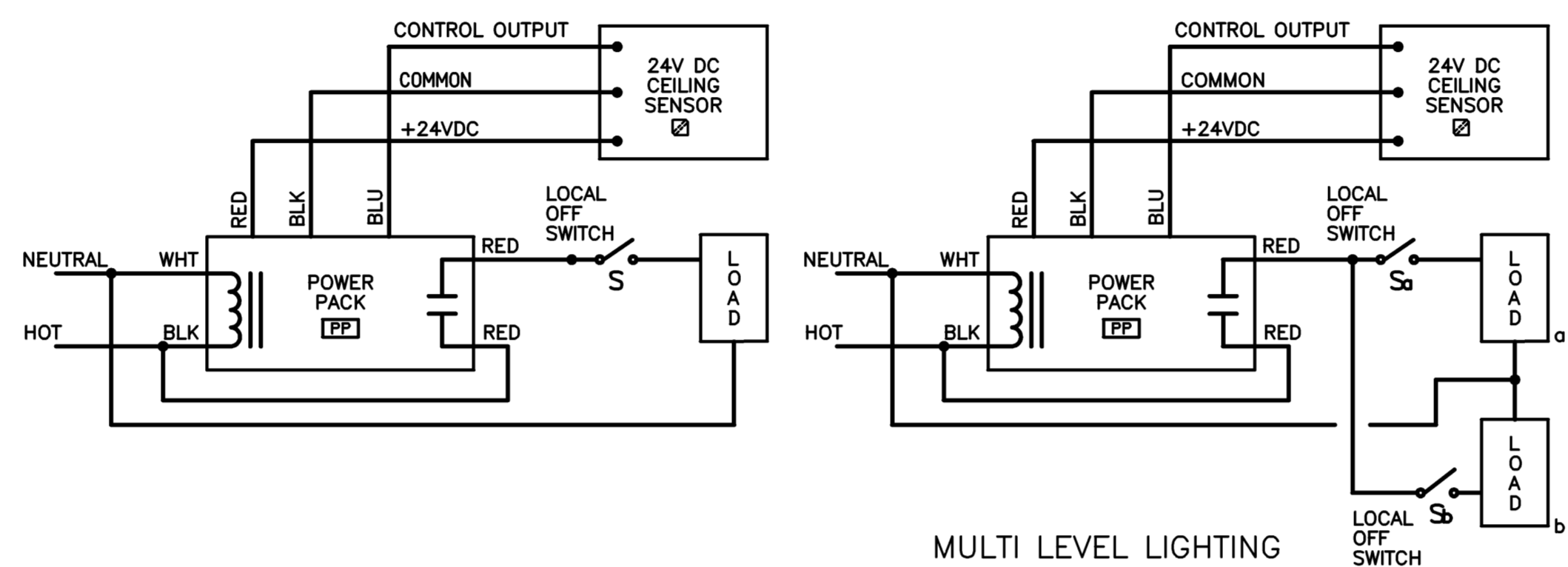
M11.1



LIGHTING FIXTURE SCHEDULE							
ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE LAMPS, HANGERS, FITTINGS, ETC. FOR A COMPLETE AND PROPER INSTALLATION							
TYPE	MANUFACTURER	CATALOG NO.	MTG.	VOLT	LAMPS		REMARKS/BALLAST INFORMATION
					NO.	WATT	
A	RECESSED FLUORESCENT LUMINAIRE						
	LITHONIA	2RT8232-MVOLT-1-2					*2 = PROVIDE 4 FOOT 25W REDUCED WATTAGE T8 LAMPS.
	APPROVED EQUAL						*1 = SYLVANIA PROSTART T8 BALLAST

LIGHTING FIXTURE SCHEDULE D2

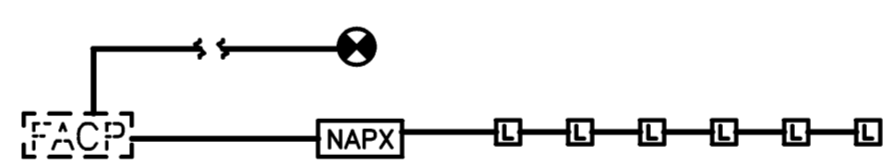
NO SCALE REF: NA



NOTE: QUANTITY, AND LOCATION OF OFF SWITCHES AS SHOWN ON FLOOR PLAN DRAWINGS. WIRE POWER PACK TO CIRCUIT INDICATED ON FLOOR PLANS.

OCCUPANCY SENSOR WIRING DIAGRAM C2

NO SCALE REF: NA



PARTIAL FIRE ALARM RISER B2

NO SCALE REF: NA

LEGEND

- LP-1,3 → HOMERUN TO PNLBRD -- ARROWS INDICATE NUMBER OF CIRCUITS. CROSS LINES INDICATE NUMBER OF CONDUCTORS OTHER THEN TWO.
- — — — — CIRCUIT NUMBER(S)
- — — — — PANEL DESIGNATION
- — — — — WIRING CONCEALED IN WALL OR CEILING
- — — — — WIRING IN EXPOSED RACEWAY
- — — — — WIRING IN RACEWAY CONCEALED UNDER FLOOR
- UG - WIRING IN RACEWAY CONCEALED UNDERGROUND
- E - EXISTING WIRING
- 2' x 4' FLUORESCENT FIXTURE
- 1' x 4' FLUORESCENT FIXTURE
- 1' x 8' FLUORESCENT FIXTURE
- 4' x 6" FLUORESCENT FIXTURE
- 8' x 6" FLUORESCENT FIXTURE
- 2' x 2' FLUORESCENT FIXTURE
- WALL MOUNTED FIXTURE
- CEILING MOUNTED FIXTURE
- RECESSED MOUNTED FIXTURE
- CEILING MOUNTED OCCUPANCY SENSOR WITH REMOTE POWER PACK -- SEE DETAIL
- S SINGLE POLE SWITCH -- MTD CL UP 4'-0"
- Ss SUBLETTER INDICATES SWITCH CONTROL
- ⊕ DUPLEX CONVENIENCE RECEPTACLE -- MOUNTED -- CL UP 24" OR AS NOTED
- ⊕ DUPLEX CONVENIENCE RECEPTACLE -- MOUNTED CL UP 48" OR AS NOTED
- ⊕ GFCI DUPLEX CONVENIENCE RECEPTACLE -- MOUNTED CL UP 48" OR AS NOTED
- ⊕ DOUBLE DUPLEX RECEPTACLE IN TWO GANG WALL BOX -- CL UP 24" OR AS NOTED
- ⊕ MULTI SERVICE FLUSH FLOOR BOX -- SEE FLUSH FLOOR OUTLET DETAIL. PROVIDE TWO DUPLEX RECEPTACLES AND TWO OPEN COMPARTMENTS FOR OWNERS FUTURE TEL/DATA.
- ⊕ POKE-THRU, PROVIDE 1" C TO AN EXISTING CABLE TRAY FOR OWNER'S USE (DATA).
- ⊕ PLUGMOLD WITH RECEPTACLES -- MOUNTED 6" ABOVE COUNTER OR AS INDICATED
- ⊕ TELEPHONE/DATA OUTLET -- MOUNTED UP SAME AS ASSOCIATED RECEPTACLE
- ⊕ PROVISIONS FOR VOICE & DATA OUTLET FOR OWNER'S USE. 4 INCH SQUARE WALL BOX WITH RAISED RING AND TWO 1" C TO AN EXISTING CABLE TRAY -- MOUNT WALL BOX C/L UP SAME AS ASSOCIATED RECEPTACLE.
- ⊕ SPECIAL OUTLET AS INDICATED -- MOUNTED AS INDICATED
- ⊕ ELECTRICAL MOTOR
- ⊕ MOTOR CONTROL EQUIPMENT
- ⊕ DISCONNECT SWITCH -- FUSED WHEN NOTED. SIZE AS REQUIRED OR AS INDICATED
- ⊕ FUSED DISCONNECT SWITCH -- SIZE FUSES AS RECOMMENDED BY MANUFACTURER
- ⊕ JUNCTION BOX -- SIZE AS REQUIRED OR AS INDICATED
- ⊕ TELEPHONE (TEL) OR DATA (IDF) BACKBOARD -- SIZE AS INDICATED
- ⊕ LIGHTING/POWER PANELBOARD
- ⊕ LIGHTING/POWER PANELBOARD
- ⊕ EXISTING PANELBOARD
- ⊕ EXISTING PANELBOARD
- ⊕ CIRCUIT BREAKER IN NEMA 1 ENCLOSURE.
- ⊕ DRY TYPE TRANSFORMER
- ⊕ FIRE ALARM DEVICES -- -----
- FACP FIRE ALARM CONTROL PANEL
- ⊕ SMOKE DETECTOR -- MOUNTED ON CEILING
- ⊕ DUCT DETECTOR WITH SAMPLING TUBE -- "S" = SUPPLY & "R" = RETURN
- ⊕ HEAT DETECTOR -- MOUNTED ON CEILING
- ⊕ FIRE ALARM HORN/LIGHT UNIT. CANDLE POWER (CD) PER NFPA 72 AND AS NOTED -- MOUNTED BOTTOM OF STROBE UP 80" ON WALL
- ⊕ FIRE ALARM STROBE LIGHT UNIT. CANDLE POWER (CD) PER NFPA 72 AND AS NOTED -- MOUNTED BOTTOM OF STROBE UP 80" ON WALL
- ⊕ FIRE ALARM MINI-HORN/LIGHT UNIT. CANDLE POWER (CD) PER NFPA 72 AND AS NOTED -- MOUNTED BOTTOM OF STROBE UP 80" ON WALL
- ⊕ FIRE ALARM MANUAL PULL STATION -- MOUNTED CL UP 4'-0" ON WALL
- ⊕ MISCELLANEOUS -----
- ⊕ CONTROL PANEL
- ⊕ PUSH BUTTON -- MTD UP 4'-0" OR AS INDICATED
- ⊕ SPEAKER OUTLET -- MOUNTED 7'-6" ON WALL
- ⊕ RELAY OR CONTACTOR -- SIZE AS REQUIRED OR AS INDICATED
- ⊕ CLOCK -- MOUNTED UP 8'-0" ON WALL
- ⊕ WEATHER PROOF
- ⊕ KEYNOTE TAG
- ⊕ EQUIPMENT LABEL -- SEE EQUIPMENT SCHEDULE FOR WIRING REQUIREMENTS. VERIFY EXACT LOCATION WITH ASSOCIATED PLAN.
- ⊕ EXISTING DATA
- ⊕ EXISTING DOUBLE DUPLEX RECEPTACLE
- ⊕ EXISTING OCCUPANCY SENSOR
- ⊕ EXISTING DUPLEX RECEPTACLE
- ⊕ EXISTING FIRE ALARM SPEAKER/STROBE
- R = REMOVE ELECTRICAL ITEM WITH ASSOCIATED WIRING BACK TO AN EXISTING DEVICE/APPLIANCE.
- RX = EXISTING ELECTRICAL ITEM TO BE RELOCATED
- RL = EXISTING ELECTRICAL ITEM RELOCATED (EXTEND WIRING AS REQUIRED)
- RO = REMOVE EXISTING ELECTRICAL ITEM AND TURN OVER TO OWNER
- E = EXISTING ELECTRICAL ITEM TO REMAIN.

LEGEND A1

NO SCALE REF: NA

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Project Title
UNIVERSITY OF SOUTHERN MAINE LEARNING COMMONS RENOVATIONS
GLICKMAN LIBRARY
PORTLAND, ME

HA Project No. 11103-02

Key Plan

08-05-11	ISSUED FOR BID
Mark	Date
	Description

Drawing Status

Drawing Title
ELECTRICAL LEGEND AND DETAILS

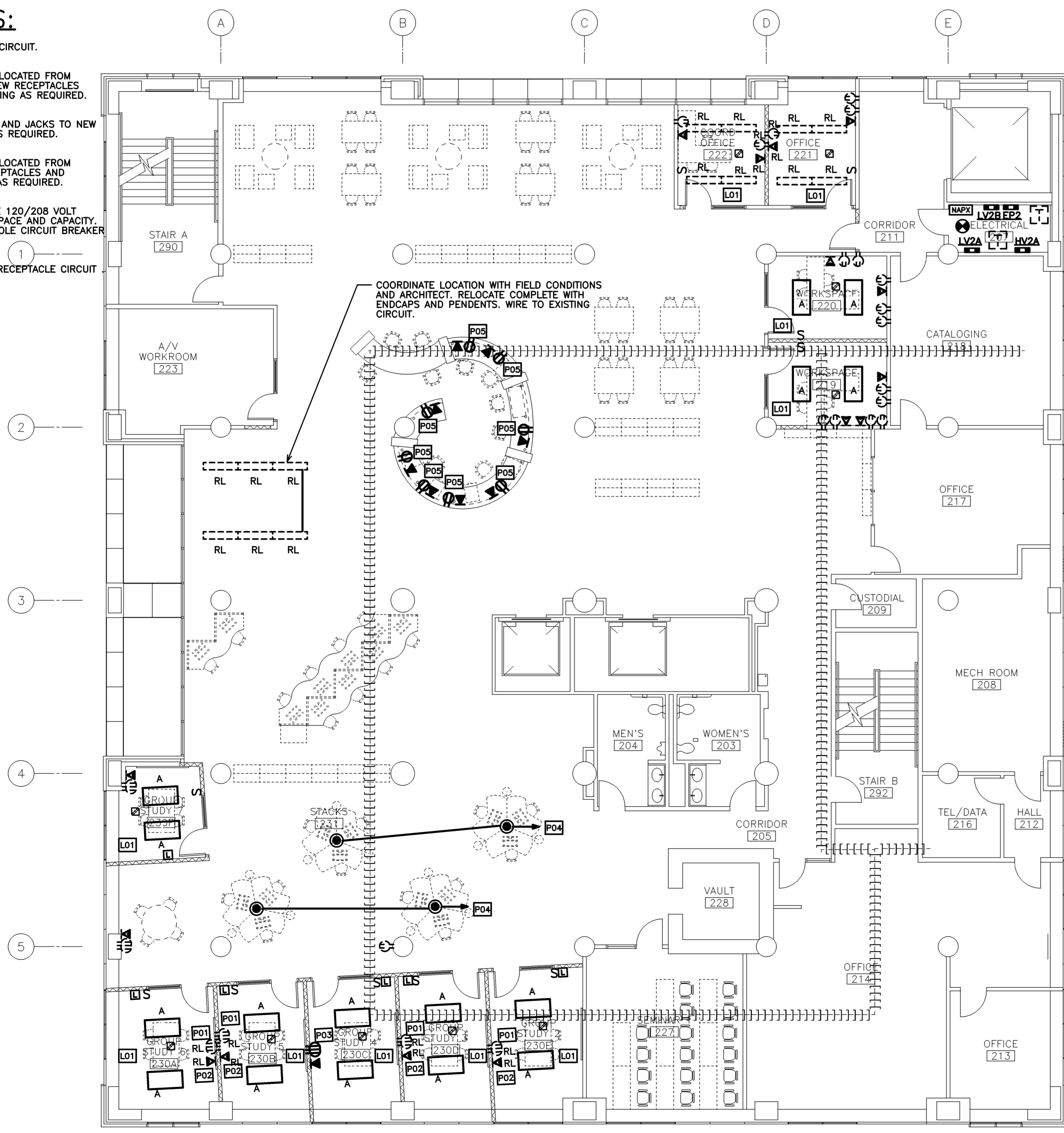
PA / PE: PRM Drawn By: PRA

Drawing Number

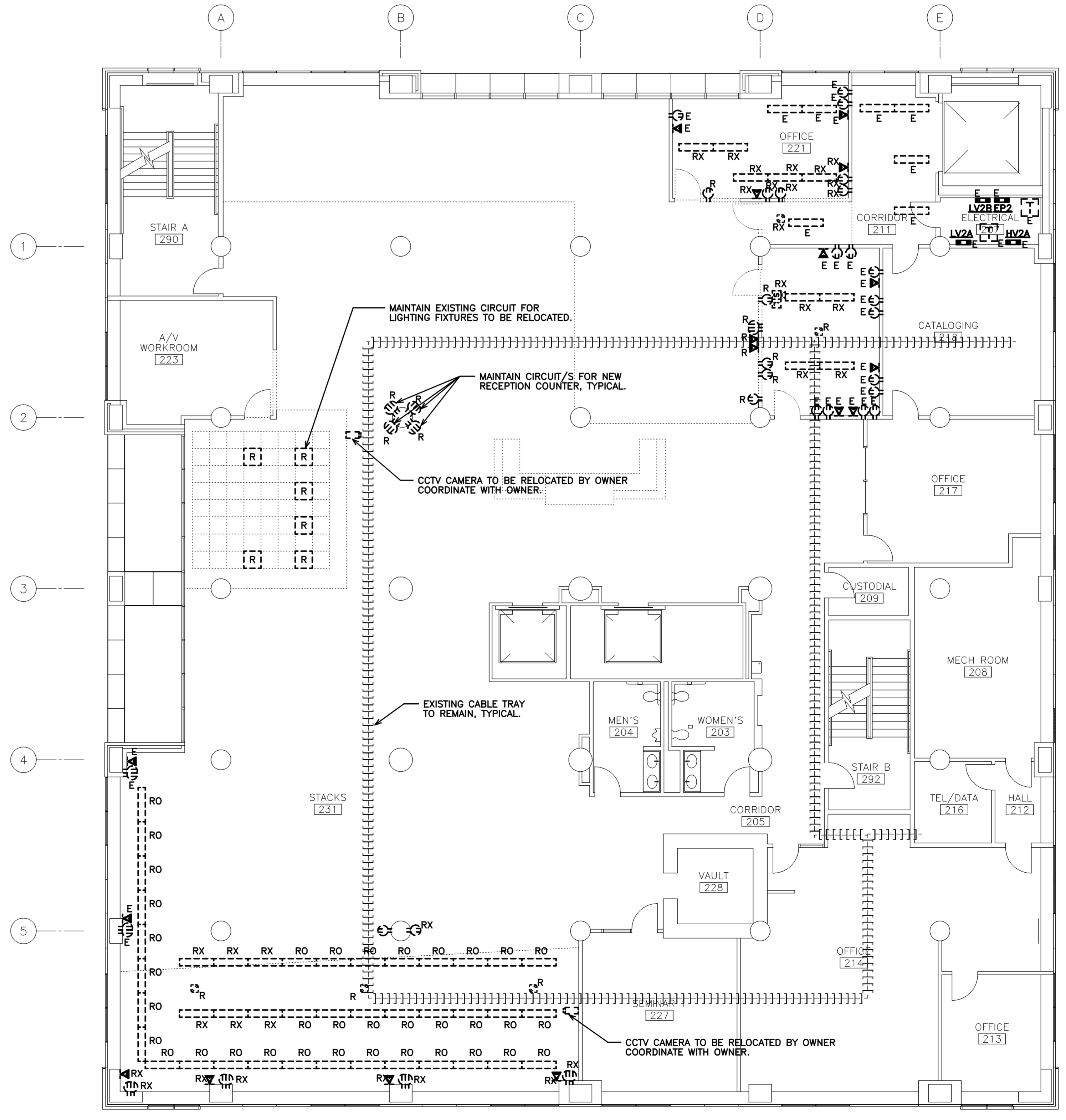
E01.1

KEY NOTES:

- LO1... WIRE TO EXISTING LIGHTING CIRCUIT.
- P01... ELECTRICAL RECEPTACLE RELOCATED FROM EXTERIOR WALL. PROVIDE NEW RECEPTACLES AND WALL BOX. EXTEND WIRING AS REQUIRED.
- P02... RELOCATED DATA WALL BOX AND JACKS TO NEW WALL. PROVIDE SUPPORTS AS REQUIRED.
- P03... ELECTRICAL RECEPTACLE RELOCATED FROM COLUMN. PROVIDE NEW RECEPTACLES AND WALL BOX. EXTEND WIRING AS REQUIRED.
- P04... WIRE TO NEAREST AVAILABLE 120/208 VOLT PANELBOARD WITH SPARE SPACE AND CAPACITY. PROVIDE 120VOLT SINGLE POLE CIRCUIT BREAKER AS REQUIRED.
- P05... WIRE TO EXISTING COLUMN RECEPTACLE CIRCUIT.



FIRST FLOOR ELECTRICAL PLAN A3
1/8" = 1'-0" REF: NA



FIRST FLOOR ELECTRICAL REMOVALS PLAN A1
1/8" = 1'-0" REF: NA

Mark	Date	Description
-	08-05-11	ISSUED FOR BID

Drawing Status

Drawing Title
GLICKMAN LIBRARY ELECTRICAL PLANS

PA / PE: PRM Drawn By: PRA
Drawing Number

E11.1