USM
BAILEY HALL
CENTER FOR TEACHING INNOVATION
RENOVATION

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

LIST OF DRAWINGS

Harriman

USM
BAILEY HALL
CENTER FOR
TEACHING INNOVATION
RENOVATION

GORHAM, MAINE

Harriman Project No.	22211

Graphic Scale
0" 1"
(scale measures 1" when plotted at full size)

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ERP

COVER SHEET

G00-1

CONTRACT DRAWING ABBREVIATIONS

ABBRV	TERM
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
AC	ACOUSTICAL
ACT	ACOUSTICAL TILE
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AL	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APX	APPROXIMATE
ARCH	ARCHITECT (URAL)
AVB	AIR VAPOR BARRIER
BD	BOARD
BIT	BITUMINOUS
BJ	BAR JOIST
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
BOD	BOTTOM OF DECK
BOT	BOTTOM
BP	BASE PLATE
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
CAB	CABINET
CB	CATCHBASIN
CD	CEILING DIFFUSER
CEM	CEMENT (ITIOUS)
CER	CERAMIC
CF	CUBIC FEET
CG	CORNER GRILLE
CHBD	CHALKBOARD
CHT	CEILING HEIGHT
CI	CONTINUOUS INSULATION
CJT	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CMPST	COMPOSITE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE (OUS)
CONTR	CONTRACT (OR)
CORR	CORRUGATED
CPT	CARPET (ED)
CT	CERAMIC TILE
CUH	CABINET UNIT HEATER
CV	CONVECTOR
CW	COLD WATER
CY	CUBIC YARD
DF	DRINKING FOUNTAIN
DG	DOOR GRILLE
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
E	EAST
EB	EXPANSION BOLT
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATED FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION (S)
ELEC	ELECTRIC (AL)
EP	ELECTRIC PANEL
EQ	EQUAL
ER	EXHAUST REGISTER
ES	EACH SIDE
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EXG	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FAI	FRESH AIR INTAKE
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH (ED)
FLG	FLASHING
FLR	FLOOR (ING)
FO	FACE OF
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FRP	FIBERGLASS REINFORCED PANEL
FTG	FOOTING
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT (OR)
GL	GLASS
GPDW	GYPSUM DRY WALL

ABBRV	TERM
HB	HOSE BIB
HD	HUB DRAIN
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HTG	HEATING
HVAC	HEATING - VENTILATING - AIR CONDITIONING
HYD	HYDRANT
ID	INSIDE DIAMETER
INS	INSULATE (D) (ION)
INT	INTERIOR
INV	INVERT
JC	JANITOR'S CLOSET
JT	JOINT
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE (D)
LAV (L)	LAVATORY
LB (S)	POUNDS
LD	LINEAR DIFFUSER
LF	LINEAL FEET
LG	LONG
LTG	LIGHTING
LTL	LINTEL
LW	LIMIT OF WORK
M	METER (S)
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MFR	MANUFACTURE (R)
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOP RECEPTOR
MT	METAL THRESHOLD
MTD	MOUNTED
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER (S)
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE
P	PLATE
PAR	PARALLEL
PERP	PERPENDICULAR
PFN	PREFINISHED
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PNL	PANEL
PNT	PAINT (ED)
PT	PRESSURE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PWD	PLYWOOD
QT	QUARRY TILE
R	RISER
RAD	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REQ	REQUIRE (D)
REV	REVISION (S)
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	SOUTH
SAB	SOUND ATTENUATING BATTS
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SEC	SECTION
SHT	SHEET
SIM	SIMILAR
SK	SINK
SMU	SOLID MASONRY UNIT
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SYM	SYMMETRY (ICAL)
SYS	SYSTEM

ABBRV	TERM
T	TREAD
T&G	TONGUE & GROOVE
TD	TRENCH DRAIN
TEL	TELEPHONE
THK	THICK (NESS)
TKBD	TACKBOARD
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TPTN	TOILET PARTITION
TV	TELEVISION
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UV	UNIT VENTILATOR
V	VENT
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VF	VINYL FABRIC
VTR	VENT THRU ROOF
W	WEST, WIDTH, WIDE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCH	WATER CLOSET HANDICAP
WCO	WALL CLEANOUT
WD	WOOD
WG	WALL GRILLE
WH	WALL HUNG
WIN	WINDOW
WP	WORKING POINT
WWF	WELDED WIRE FABRIC

SYMBOLS USED AS ABBREVIATIONS

L	ANGLE
℄	CENTERLINE
⊏	CHANNEL
Ø	DIAMETER
PL	PLATE
□	SQUARE

GRAPHIC SYMBOLS

PLAN - SECTION

VIEW TITLE

A1 VIEW TITLE
VIEW SCALE
PLAN, ELEVATION, SECTION OR DETAIL NUMBER

SECTION NUMBER — A1 / A25-1 — A1 / A25-1 — SHEET WHERE SHOWN — BUILDING SECTION

SECTION NUMBER — A1 / A30-1 — SHEET WHERE SHOWN — WALL SECTION

ELEVATION NUMBER — A1 / A20-1 — SHEET WHERE SHOWN — EXTERIOR ELEVATION

ELEVATION NUMBER — A2 / A1 A81-1 A3 / A4 — SHEET WHERE SHOWN — INTERIOR ELEVATION

DETAIL NUMBER — A1 / A50-1 — SHEET WHERE SHOWN — DETAIL

Plan North / True North — PLAN / TRUE NORTH

A — COLUMN REFERENCE GRID

LEVEL LINE

AA6 — WALL OR PARTITION TYPE

ROOM NAME / A101 — ROOM NAME AND NUMBER

73 — EQUIPMENT OR FURNITURE NUMBER

201 — DOOR OR BORROWED LITE NUMBER

A1 — WINDOW OR ALUMINUM GLAZED FRAME TYPE

ACT1 / 10'-0" — CEILING TYPE AND HEIGHT AFF

VCT1 — FLOOR FINISH

— KEYNOTE OR MATERIAL TAG

REVISION CLOUD

MATERIAL INDICATIONS

PLAN - SECTION

- EARTH
- POROUS FILL (STONE OR GRAVEL, ETC)
- ROCK
- CONCRETE
- BRICK (COMMON OR FACE)
- CONCRETE MASONRY UNITS (CMU)
- METAL (LARGE SCALE)
- PLYWOOD (LARGE SCALE)
- WOOD, FINISHED
- WOOD, ROUGH
- INSULATION (LOOSE OR BATT)
- INSULATION (RIGID)
- GLASS (LARGE SCALE)
- CERAMIC TILE
- GYPSUM 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

- EXISTING PARTITIONS TO REMAIN
- EXISTING PARTITIONS TO BE REMOVED
- STEEL STUD PARTITION
- WOOD STUD PARTITION
- CMU PARTITION
- 1 HOUR FIRE RESISTIVE RATED PARTITION
- 2 HOUR FIRE RESISTIVE RATED PARTITION
- 3 HOUR FIRE RESISTIVE RATED PARTITION

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LICENSED ARCHITECT
MARK D. LEE
#3640
STATE OF MAINE

CONSTRUCTION DOCUMENTS

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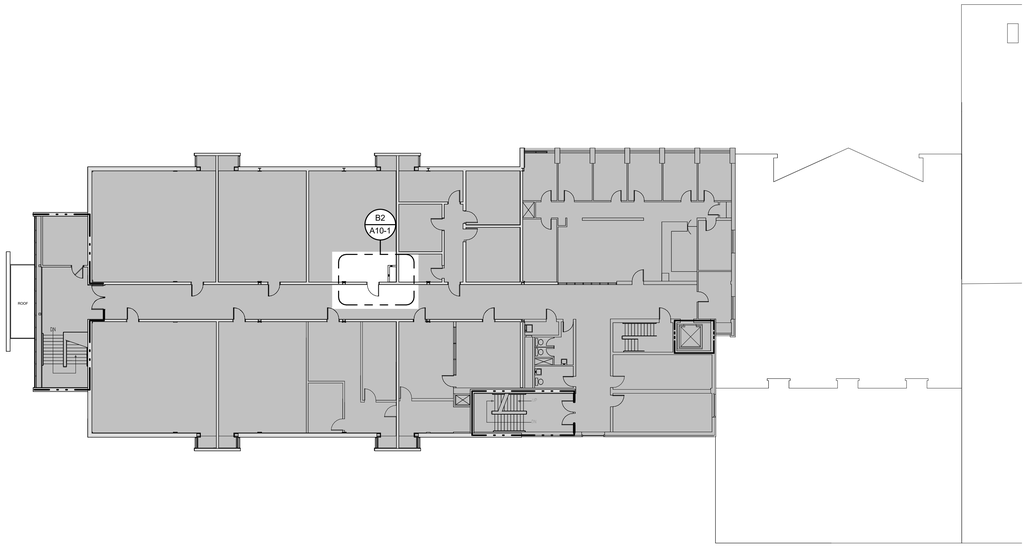
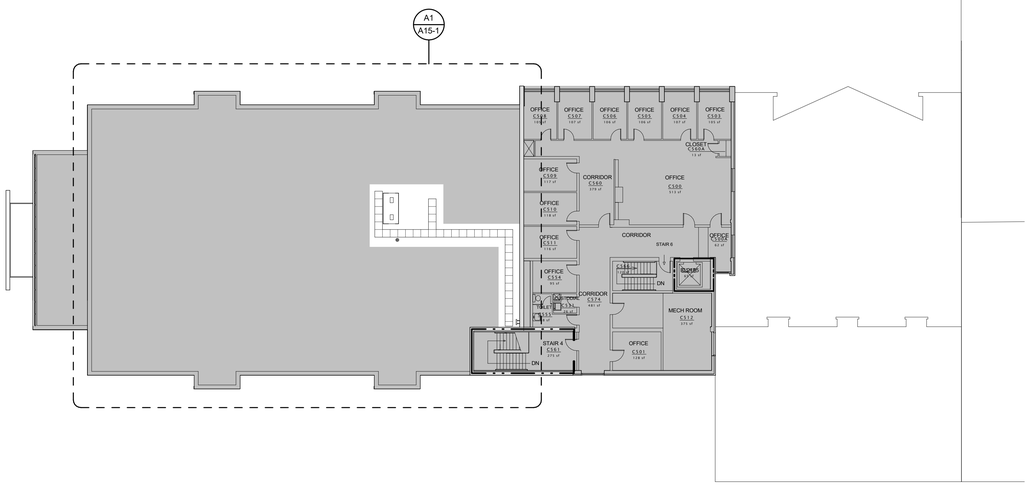
Drawn by: ERP

ABBREVIATIONS AND LEGENDS

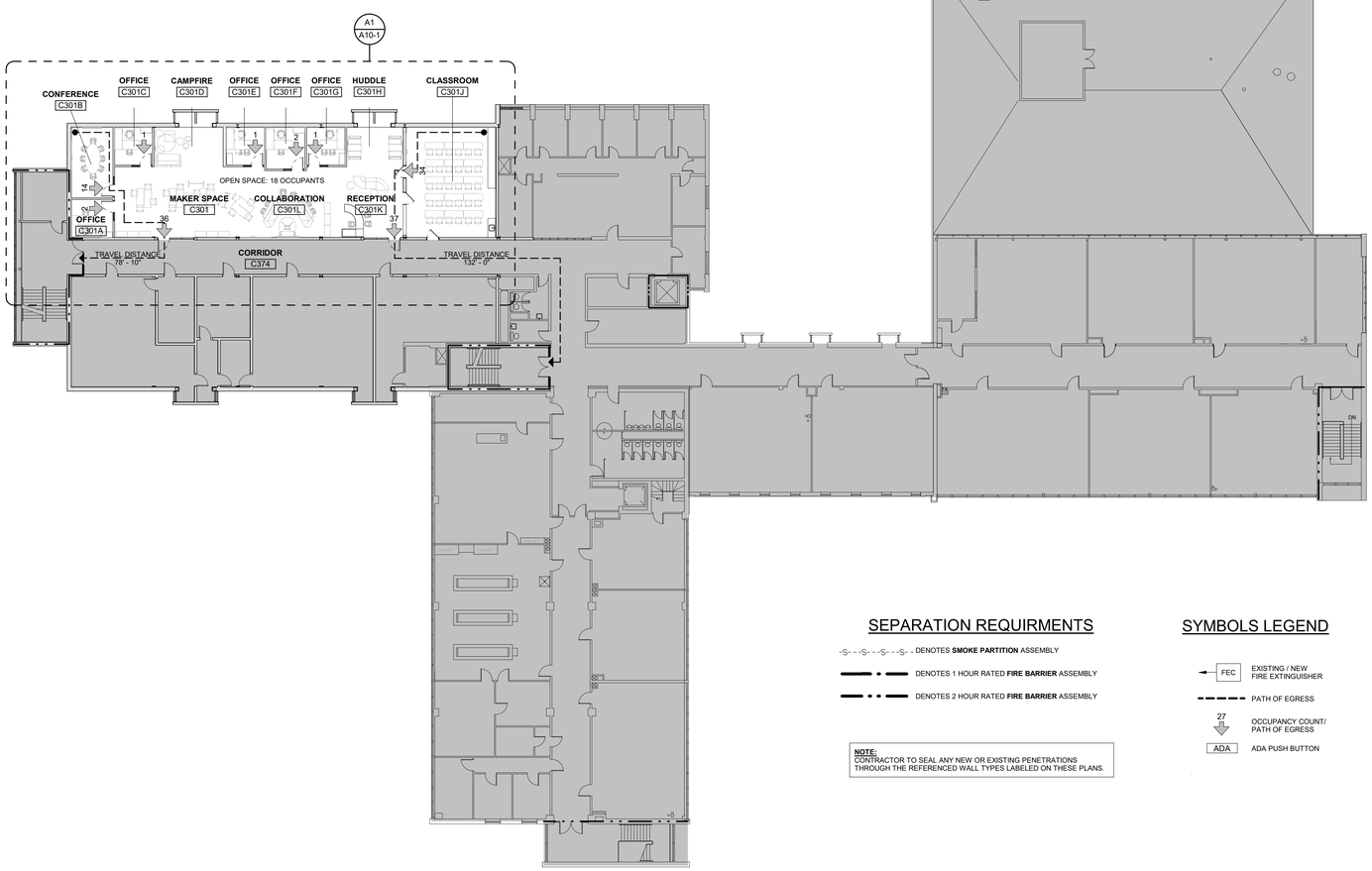
A00-1



C1 4TH FLOOR INDEX PLAN
SCALE: 1/16" = 1'-0"



C3 FIFTH FLOOR / ROOF INDEX PLAN
SCALE: 1/16" = 1'-0"



A1 THIRD FLOOR INDEX PLAN
SCALE: 1/16" = 1'-0"

SEPARATION REQUIRMENTS

-S- - -S- - -S- - -S- - DENOTES **SMOKE PARTITION** ASSEMBLY

DENOTES 1 HOUR RATED **FIRE BARRIER** ASSEMBLY

DENOTES 2 HOUR RATED **FIRE BARRIER** ASSEMBLY

NOTE:
CONTRACTOR TO SEAL ANY NEW OR EXISTING PENETRATIONS THROUGH THE REFERENCED WALL TYPES LABELED ON THESE PLANS.

SYMBOLS LEGEND

FEC — EXISTING / NEW FIRE EXTINGUISHER

PATH OF EGRESS

27 — OCCUPANCY COUNT/ PATH OF EGRESS

ADA — ADA PUSH BUTTON

CODE COMPLIANCE

BUILDING DESIGN CODES:

AMERICANS WITH DISABILITIES ACT (ADA)
NFPA 1
NFPA 101 LIFE SAFETY CODE / 2018
INTERNATIONAL BUILDING CODE / 2015
INTERNATIONAL EXISTING BUILDING CODE / 2015
MAINE UNIFORM BUILDING and ENERGY CODE / 2015
UNIFORM PLUMBING CODE / 2015
NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
INTERNATIONAL ENERGY CONSERVATION CODE / 2009
INTERNATIONAL MECHANICAL CODE / 2015
ASHRAE / IES STANDARD 90.1 - 2013
NFPA 70 NATIONAL ELECTRIC CODE / 2017

OCCUPANCY CLASSIFICATION:

NFPA:
EXISTING ASSEMBLY (CHAPTER 13)
EXISTING BUSINESS (CHAPTER 39)
MULTIPLE OCCUPANCIES TABLE 6.1.14.4.1(a)

IBC:
BUSINESS GROUP B (508.2 ACCESSORY OCCUPANCIES)

CONSTRUCTION TYPE:

NFPA: TYPE II (000)

IBC: TYPE IIB

OCCUPANCY LOADS: (PER PERSON)

OFFICE (BUSINESS)	100 GSF
CLASSROOM:	20 NSF
CONFERENCE ROOM:	15 GSF
STORAGE:	300 GSF
MECHANICAL:	300 GSF

BUILDING AREA:

EXISTING TO REMAIN	144,043 NET SF
TOTAL	144,043 NET SF

NUMBER OF STORIES: ACTUAL: 5, +BASEMENT

BUILDING HEIGHT: ACTUAL: EXG 60'-0"

FIRE ALARM:

MONITORED FIRE ALARM SYSTEM

FIRE SUPPRESSION:

FULLY SPRINKLED SUPERVISED SYSTEM

MEANS OF EGRESS (WITH SPRINKLER SYSTEM)

EXIT ACCESS TRAVEL:
IBC: 250' NFPA: 300'

CORRIDOR FIRE-RESISTIVE RATING:
IBC: NO REQUIREMENT NFPA: NO REQUIRMENT

COMMON PATH OF TRAVEL:
IBC: 75' NFPA: 100'

DEAD END CORRIDOR:
IBC: 20' NFPA: 50'

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Graphic Scale 0" 1" (scale measures 1" when plotted at full size)
Plan North True North

LICENSED ARCHITECT MARK D LEE 5340 STATE OF MAINE

CONSTRUCTION DOCUMENTS

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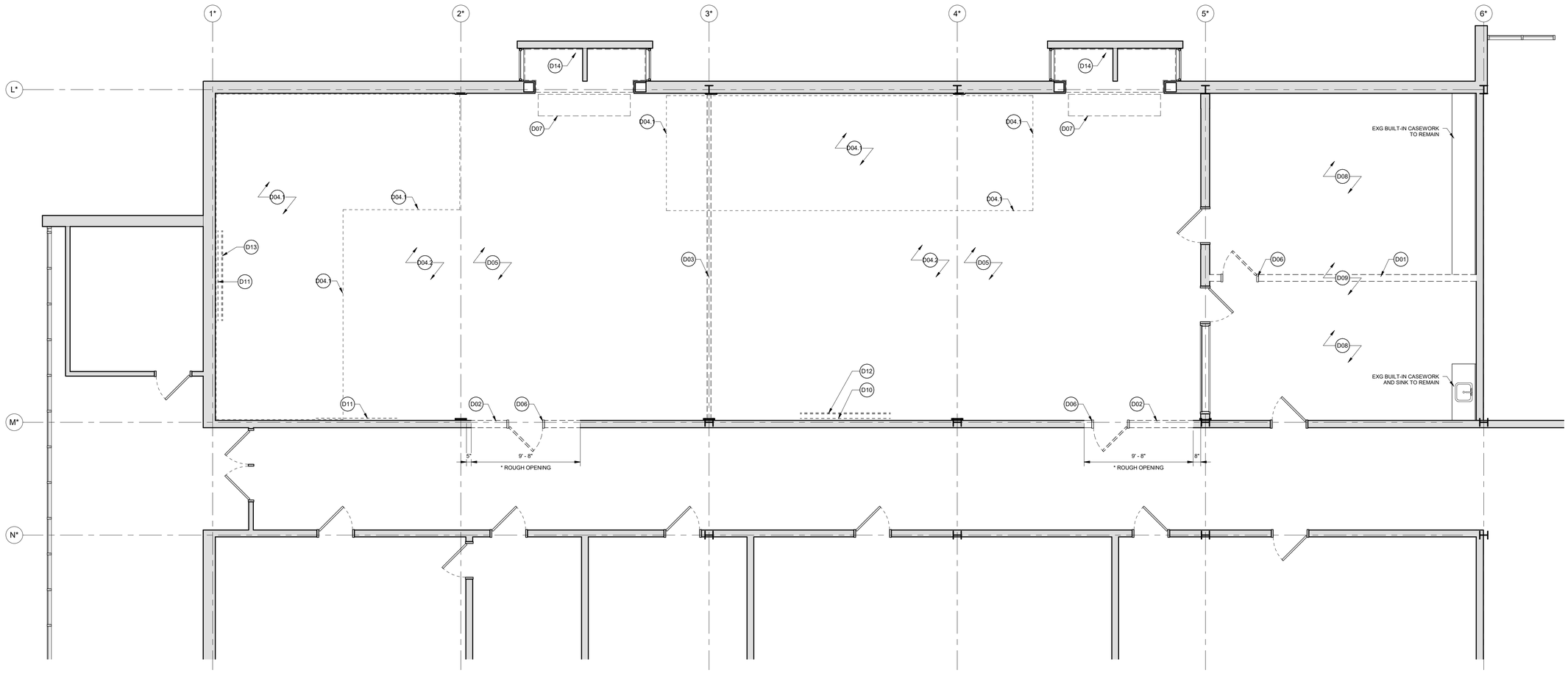
INDEX PLANS AND CODE ANALYSIS

A02-1

DEMO KEY NOTES	
CODE	DESCRIPTION
D01	REMOVE EXISTING MTL STUD, LATH AND PLASTER PARTITION COMPLETE. PREP FLOOR, CEILING AND WALLS IMPACTED BY DEMO TO RECEIVE NEW WORK.
D02	REMOVE EXISTING MTL STUD, LATH AND PLASTER PARTITION TO THE EXTENTS REQUIRED FOR NEW WORK. CUT BACK PARTITION BACK TO NEXT 'I' STUD AS NECESSARY TO SUPPORT NEW FRAME, JAMB STUDS AND HEADER.
D03	REMOVE EXISTING OPERABLE WALL SYSTEM AND ASSOCIATED TRACK AND HARDWARE, COMPLETE.
D04.1	REMOVE EXISTING ACT CEILING, COMPLETE; SALVAGE EXG CEILING TILES FOR REUSE IN PROJECT.
D04.2	REMOVE EXG ACT CEILING TILES AND SALVAGE FOR REUSE IN PROJECT AT ACT2 LOCATIONS. SEE A70-1 NOTES FOR MORE INFORMATION.
D05	REMOVE EXISTING CARPET AND WALL BASE, COMPLETE. PREP FLOOR TO RECEIVE NEW SCOPE OF WORK.
D06	REMOVE EXISTING DOOR, FRAME AND ASSOCIATED HARDWARE, COMPLETE
D07	REMOVE EXISTING UNIT VENTILATOR, SEE MECHANICAL AND ELECTRICAL FOR MORE INFORMATION.
D08	EXISTING CARPET TO REMAIN THIS LOCATION.
D09	REMOVE PORTION OF EXG ACT CEILING AS REQUIRED TO PERFORM WALL REMOVAL. ACT CEILING AND GRID TO REMAIN ELSEWHERE THIS LOCATION.
D10	REMOVE AND SALVAGE EXISTING MARKER BOARD AND DELIVER TO OWNER FOR REUSE
D11	REMOVE AND SALVAGE EXG MARKER BOARD FOR REUSE WITHIN THE PROJECT
D12	REMOVE AND SALVAGE EXISTING WALL MOUNTED PROJECTION SCREEN FOR REUSE WITHIN THE PROJECT
D13	REMOVE AND SALVAGE CEILING RECESSED PROJECTION SCREEN AND DELIVER TO THE OWNER
D14	REMOVE EXISTING 3/4" PLYWOOD SILL, 2x4 WD FRAMING BELOW TO REMAIN.



A1 THIRD FLOOR DEMOLITION PLAN

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

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GENERAL NOTES

1. REFER TO FLOOR PLANS TO DETERMINE EXTENT OF REMOVALS AND DEMOLITION IN REFERENCE TO NEW WORK. ADDITIONAL DEMO BEYOND WHAT'S NOTED HERE MAY BE REQUIRED TO INSTALL AND COMPLETE NEW WORK. COORDINATE WITH NEW WORK SHOWN IN CONSTRUCTION DOCUMENTS.
2. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL REMOVALS AND DEMOLITION. PROVIDE APPROPRIATE OPENINGS IN WALLS, SOFFITS, ROOFS, CEILINGS, PARTITIONS ETC. TO INSTALL EQUIPMENT AND COMPONENTS. CONTRACTOR TO COORDINATE WITH TRADES RESPONSIBLE FOR PATCHING OPENINGS CREATED BY REMOVAL AND INSTALLATION OF DUCTS, CONDUIT, PIPES, ETC.
3. CONTRACTOR SHALL IDENTIFY ANY AND ALL LOAD BEARING PARTITIONS PRIOR TO THE REMOVAL OF ANY PARTITIONS. TEMPORARY SHORING OF THE PERMANENT STRUCTURE SHALL BE IN PLACE PRIOR TO REMOVAL OF SUCH PARTITIONS.
4. THE CONTRACTOR SHALL IDENTIFY ALL LOCATIONS WHERE PENETRATIONS ARE REQUIRED IN EXISTING WALLS (MECH, PLUMB, ELEC) PROPER OPENING SIZES SHALL BE PROVIDED WITH APPROPRIATE HEADERS OR LINTELS.
5. ASBESTOS REMOVAL IS NOT NOTED OR IDENTIFIED BY THE ARCHITECT. GC COORD WITH ABATEMENT REPORT PROVIDED BY OWNER. AT LOCATIONS SUSPECT TO BE HAZARDOUS MATERIAL CONTAINING BUILDING MATERIAL AND NOT IDENTIFIED BY THE OWNER'S REPORT, DO NOT PROCEED WITH REMOVALS. NOTIFY THE OWNER AND ARCHITECT. ALL ABATEMENT ACTIVITIES SHALL BE DONE BY AN HAZARDOUS MATERIAL REMOVAL EXPERT AND BY OSHA AND OTHER REGULATORY JURISDICTIONS STANDARDS.
6. THE CONTRACTOR SHALL COORDINATE W/ OWNER FOR REMOVAL, RELOCATION AND/OR SALVAGE OF EXISTING PROJECTION SCREENS, TACKBOARDS, MARKERBOARDS, SIGNAGE,FIXTURES, SHELVES, FURNITURE, ETC. THAT WILL BE DISTURBED AS PART OF THIS PROJECT. THE OWNER WILL MOVE FURNITURE PRIOR TO RENOVATION OF EACH AREA.
7. CONTRACTOR TO COORDINATE PROTECTION OF ALL EXISTING FLOORING TO REMAIN. ANY DAMAGE FLOORING SHALL BE REPLACED TO MATCH EXISTING.
8. COORDINATE WITH OWNER'S OTHER CONTRACTOR'S DEMO SCOPE AS REQUIRED TO ENSURE A COLLABORATIVE WORK ENVIRONMENT AND TO LIMIT UNNECESSARY AND REDUNDANT DEMO WORK.

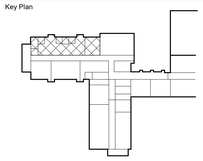
SYMBOLS LEGEND

D01 — DEMO KEY NOTE. REFER TO DEMO SCHEDULE.

EXISTING WALL OR ITEM TO REMAIN

EXISTING WALL OR ITEM TO BE REMOVED

Key Plan



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Plan North True North

LICENSED ARCHITECT
MARK
D.
LEE
#3649
STATE OF MAINE

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ERP

THIRD FLOOR
DEMOLITION PART PLAN

A05-1

PROJECT EXECUTION NOTES

A. EXISTING CONDITIONS:
THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER CONSTRUCTION INDICATED AS EXISTING ARE NOT GUARANTEED. BEFORE BEGINNING WORK, INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING
THE WORK.
1. BEFORE CONSTRUCTION, VERIFY THE LOCATION AND POINTS OF CONNECTION OF UTILITY SERVICES.

B. ACCEPTANCE OF CONDITIONS:
EXAMINE SUBSTRATES, AREAS, AND CONDITIONS WITH INSTALLER OR APPLICATOR PRESENT WHERE INDICATED, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. RECORD OBSERVATIONS.
1. VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING COMPATIBILITY WITH EXISTING FINISHES OR PRIMERS.
2. EXAMINE ROUGHING-IN FOR MECHANICAL AND ELECTRICAL SYSTEMS TO VERIFY ACTUAL LOCATION OF CONNECTIONS BEFORE EQUIPMENT AND FIXTURE INSTALLATION.
3. EXAMINE WALLS, FLOORS, AND ROOFS FOR SUITABLE CONDITIONS WHERE PRODUCTS AND SYSTEMS ARE TO BE INSTALLED.
4. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. PROCEEDING WITH THE WORK INDICATES ACCEPTANCE OF SURFACES AND CONDITIONS.

C. FIELD MEASUREMENTS:
TAKE FIELD MEASUREMENTS AS REQUIRED TO THE WORK PROPERLY. RECHECK MEASUREMENTS BEFORE INSTALLING EACH PRODUCT. WHERE PORTIONS OF THE WORK ARE INDICATED TO FIT TO OTHER CONSTRUCTION, VERIFY DIMENSIONS OF OTHER CONSTRUCTION BY FIELD MEASUREMENTS
BEFORE FABRICATION. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK

D. SPACE REQUIREMENTS:
VERIFY SPACE REQUIREMENTS AND DIMENSIONS OF ITEMS SHOWN
DIAGRAMMATICALLY ON DRAWINGS

E. REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS:
IMMEDIATELY ON DISCOVERY OF THE NEED FOR CLARIFICATION ON THE CONTRACT DOCUMENTS, SUBMIT A REQUEST FOR INFORMATION TO ARCHITECT. INCLUDE A DETAILED DESCRIPTION OF PROBLEM ENCOUNTERED, TOGETHER WITH RECOMMENDATIONS FOR CHANGING THE CONTRACT DOCUMENTS.
1. REVIEW CONTRACT DOCUMENTS AND DOCUMENTS FOR MECHANICAL AND PLUMBING WORK WITH THE MECHANICAL/PLUMBING CONTRACTOR TO COORDINATE REQUIREMENTS, FIELD CONDITIONS AND OTHER ITEMS THAT COULD AFFECT THE WORK.

F. LAY OUT THE WORK:
1. ESTABLISH DIMENSIONS WITHIN TOLERANCES INDICATED. DO NOT SCALE DRAWINGS TO OBTAIN REQUIRED DIMENSIONS.
2. INFORM INSTALLERS OF LINES AND LEVELS TO WHICH THEY MUST COMPLY.
3. CHECK THE LOCATION, LEVEL AND PLUMB, OF EVERY MAJOR ELEMENT AS THE WORK PROGRESSES.
4. COORDINATE LAYOUT, LOCATIONS, REMOVALS AND SUPPORTING CONSTRUCTION REQUIREMENTS WITH THE MECHANICAL/PLUMBING CONTRACTOR.

G. LOCATING THE WORK
LOCATE THE WORK AND COMPONENTS OF THE WORK ACCURATELY, IN CORRECT ALIGNMENT AND ELEVATION, AS INDICATED.
1. MAKE VERTICAL WORK PLUMB AND MAKE HORIZONTAL WORK LEVEL.
2. WHERE SPACE IS LIMITED, INSTALL COMPONENTS TO MAXIMIZE SPACE AVAILABLE FOR MAINTENANCE AND EASE OF REMOVAL FOR REPLACEMENT.
3. CONCEAL PIPES, DUCTS, AND WIRING IN FINISHED AREAS, UNLESS OTHERWISE INDICATED.
4. MAINTAIN MINIMUM HEADROOM CLEARANCE OF 8 FEET IN SPACES WITHOUT A SUSPENDED CEILING, UNLESS INDICATED OTHERWISE COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTION AND RECOMMENDATIONS FOR INSTALLING PRODUCTS IN APPLICATIONS INDICATED.

H. PRODUCTS
INSTALL PRODUCTS AT THE TIME AND UNDER CONDITIONS THAT WILL ENSURE THE BEST POSSIBLE RESULTS. MAINTAIN CONDITIONS REQUIRED FOR PRODUCT PERFORMANCE UNTIL SUBSTANTIAL COMPLETION.

I. IMPACTS TO BUILDING
CONDUCT CONSTRUCTION OPERATIONS SO NOT PART OF THE WORK IS SUBJECTED TO DAMAGING OPERATIONS OR LOADING IN EXCESS OF THAT EXPECTED DURING NORMAL CONDITIONS OF OCCUPANCY.

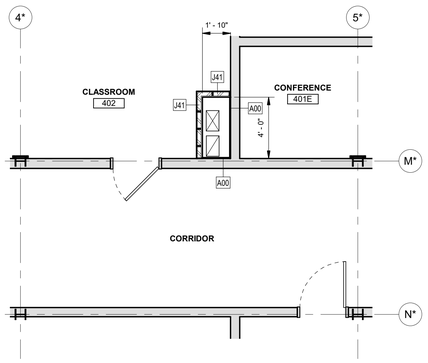
J. TOOLS AND EQUIPMENT:
DO NOT USE TOOLS OR EQUIPMENT THAT PRODUCE HARMFUL NOISE LEVELS.

K. TEMPLATES:
OBTAIN AND DISTRIBUTE TO THE PARTIES INVOLVED TEMPLATES FOR WORK SPECIFIED TO BE FACTORY PREPARED AND FIELD INSTALLED. CHECK SHOP DRAWINGS OF OTHER WORK TO CONFIRM THAT ADEQUATE PROVISIONS ARE MADE FOR LOCATING AND INSTALLING PRODUCTS TO COMPLY WITH INDICATED REQUIREMENTS.

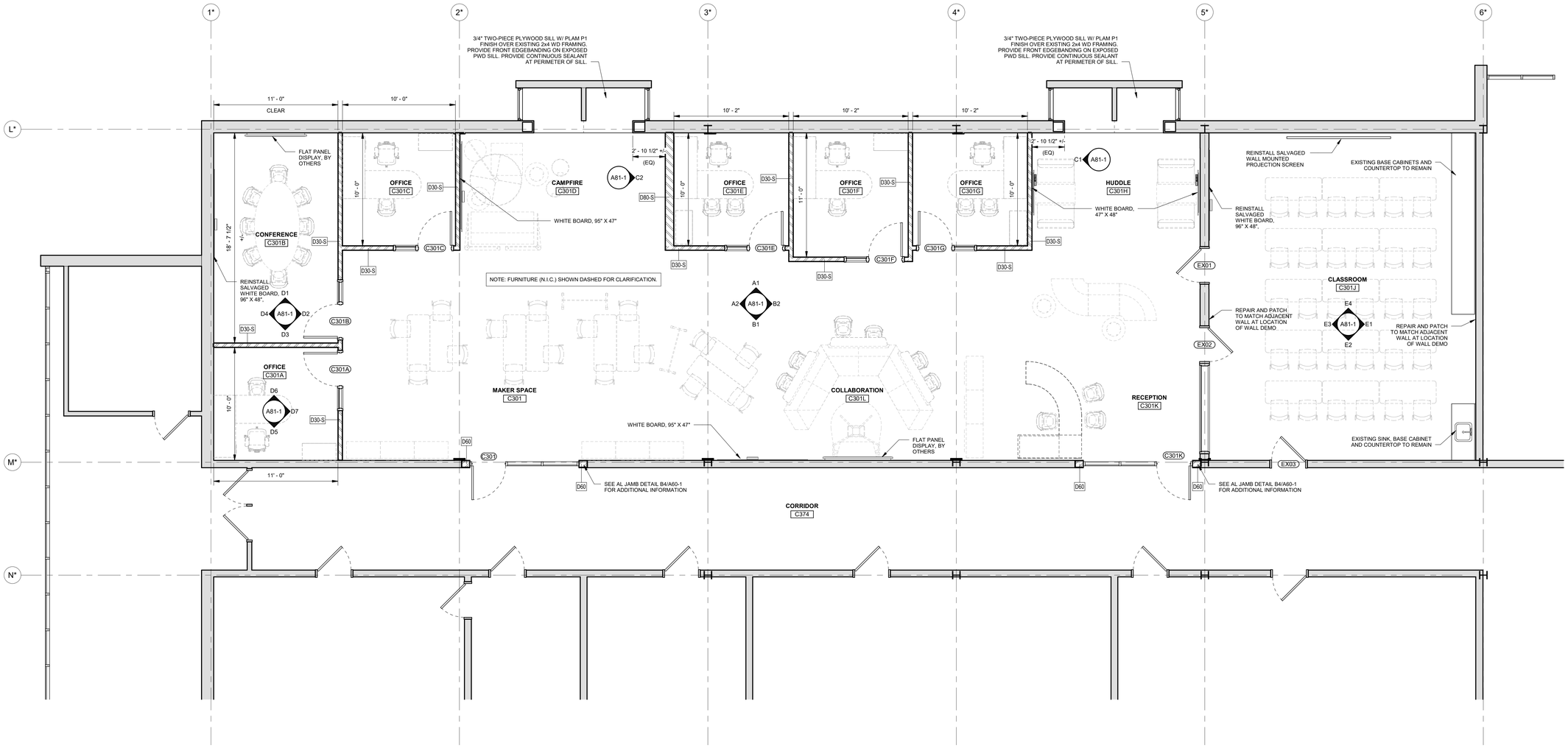
L. ANCHORS AND FASTENERS:
PROVIDE ANCHORS AND FASTENERS AS REQUIRED TO ANCHOR EACH COMPONENT SECURELY IN PLACE, ACCURATELY LOCATED AND ALIGNED WITH OTHER PORTIONS OF THE WORK.
1. MOUNTING HEIGHTS: WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT COMPONENTS AT HEIGHTS DIRECTED BY ARCHITECT.
2. ALLOW FOR BUILDING MOVEMENT, INCLUDING THERMAL EXPANSION AND CONTRACTION.
3. COORDINATE INSTALLATION OF ANCHORAGES. FURNISH SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLING OF ANCHORAGES INCLUDING SLEEVES, CONCRETE INSERTS, ANCHOR BOLTS, AND ITEMS WITH INTEGRAL ANCHORAGES, THAT ARE TO BE EMBEDDED IN CONCRETE OR MASONRY. DELIVER SUCH ITEMS TO PROJECT SITE IN TIME FOR INSTALLATION.

M. JOINTS:
MAKE JOINTS OF UNIFORM WIDTH. WHERE JOINT LOCATIONS IN EXPOSED WORK ARE NOT INDICATED, ARRANGE JOINTS FOR THE BEST VISUAL EFFECT. FIT EXPOSED CONNECTIONS TOGETHER TO FORM HAIRLINE JOINTS.

N. HAZARDOUS MATERIALS:
USE PRODUCTS, CLEANERS, AND INSTALLATION MATERIALS THAT ARE NOT CONSIDERED HAZARDOUS.
1. NO ASBESTOS CONTAINING MATERIALS SHALL BE USED IN
THE WORK.



B2 FOURTH FLOOR PART PLAN @ CHASE
SCALE: 1/4" = 1'-0"



A1 THIRD FLOOR PLAN
SCALE: 1/4" = 1'-0"

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GENERAL NOTES

1. SEE DRAWING A40-1 FOR PARTITION TYPES.
2. DIMENSIONS LOCATING INTERIOR PARTITIONS ARE TO FACE OF GPDW OR CMU UNLESS NOTED OTHERWISE.
3. SEE DRAWING A60-1 FOR DOOR SCHEDULE.
4. SEE DRAWING A61-1 FOR ROOM FINISH SCHEDULE. NEW WALL/PTNS AND PATCHING OF EXISTING WALL/PTNS NOT LABELED SHALL BE PAINTED TO MATCH EXISTING ADJACENT WALLS, U.N.O.
5. PROVIDE CONTROL JOINTS IN GPDW PARTITIONS AT A MAX SPACING OF 30'-0" UNLESS NOTED OTHERWISE. MAX SPACING AT ABUSE GPDW IS 28'-0" UNO. LOCATE AT EDGE OF DOOR FRAME UP TO CEILING WHERE PRACTICAL. REVIEW LOCATIONS WITH THE ARCHITECT.
6. AT REMOVED FIXTURES, PARTITIONS, EQUIPMENT, CASEWORK, ETC., THAT WILL BECOME EXPOSED TO VIEW, PATCH AND PARGE PARTITIONS TO CREATE A SMOOTH SURFACE. AT CMU LOCATION, TOOTH INTO EXISTING. FILL HOLES AND PAINT TO MATCH EXISTING ADJACENT. REFER TO A05-1 FOR ADDITIONAL INFORMATION. PAINT TO MATCH EXISTING ADJACENT U.N.O.
7. PATCH ALL OPENINGS CREATED FOR INSTALLATION OF NEW MECH., PLUMB., ELEC., ETC., WITH MATERIALS TO MATCH ADJACENT CONSTRUCTION.
8. AT CMU WALLS WITH REMOVED BOARDS, REMOVE ADHESIVES AND PREP WALLS FOR NEW PAINT FINISHES.

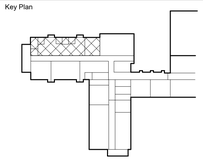
SYMBOLS LEGEND

D30 — PARTITION TAG
SEE A40-1 FOR PARTITION TAG KEY & PARTITION DEFINITION DETAILS

ROOM NAME
101 — ROOM NAME AND NUMBER
SEE A61-1 FOR SCHEDULE

201 — DOOR & BORROWED LITE NUMBERS
SEE A60-1 FOR SCHEDULE

Key Plan



Graphic Scale 0" 1" (scale measures 1" when plotted at full size) | Plan North | True North

LICENSED ARCHITECT
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STATE OF MAINE

CONSTRUCTION DOCUMENTS

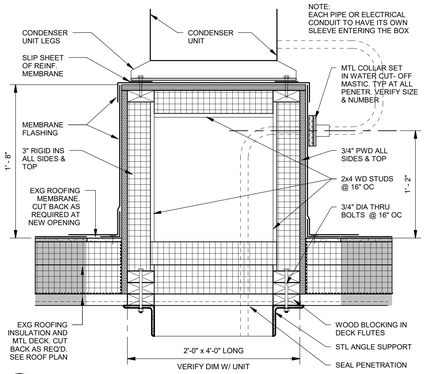
NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ERP

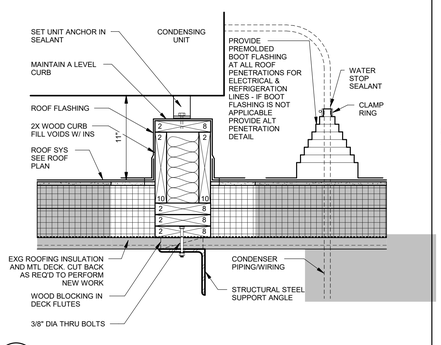
THIRD FLOOR PART PLAN

A10-1



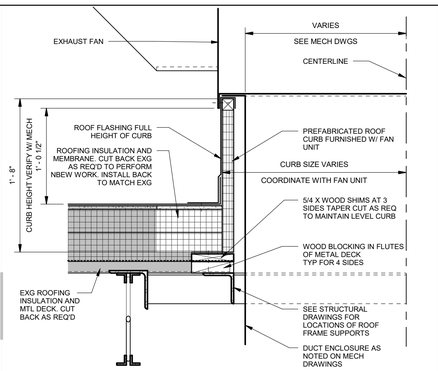
B1 TYPICAL CONDENSER SUPPORT DETAIL

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



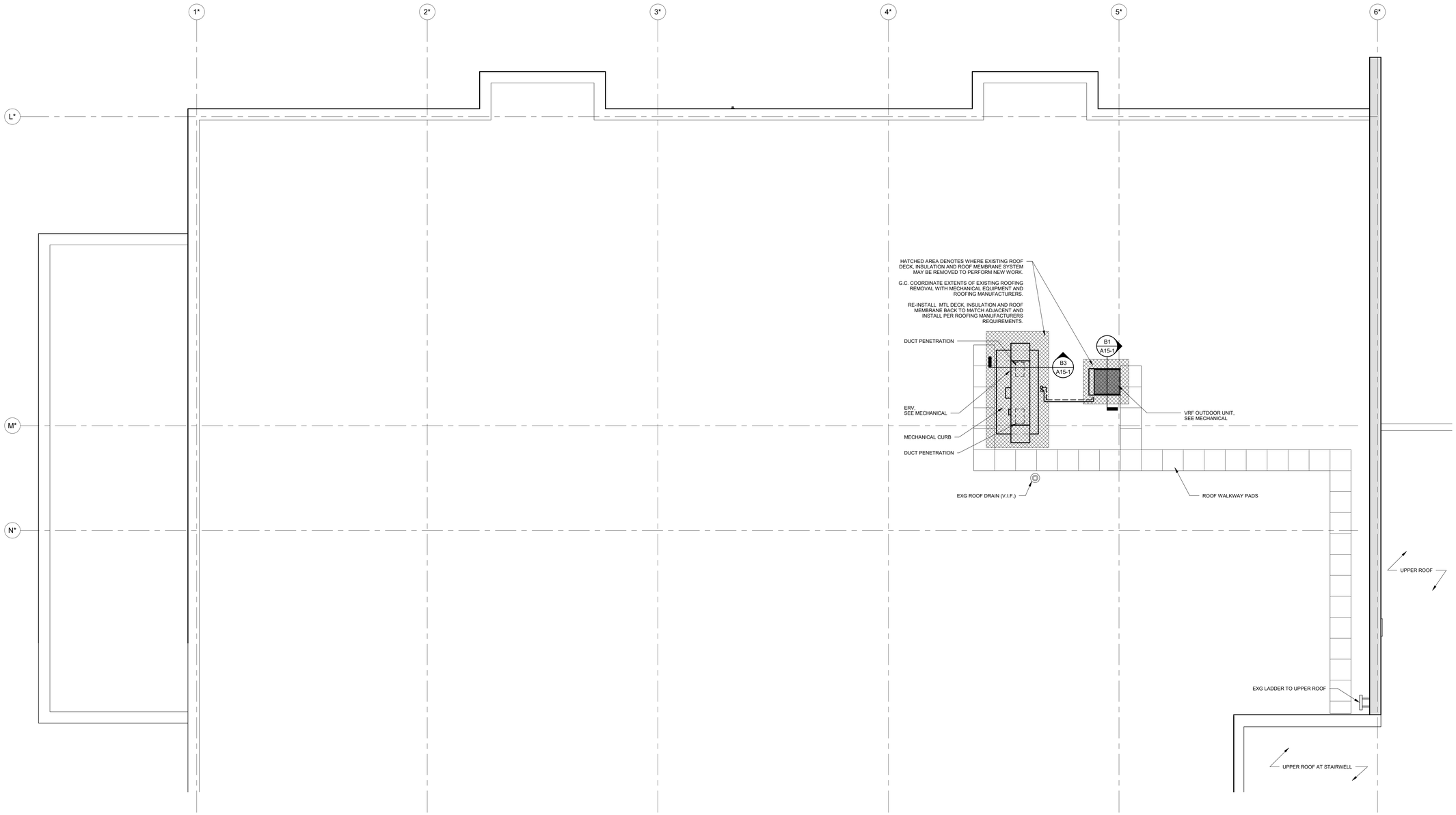
B2 CONDENSER SUPPORT DETAIL

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



B3 TYP ERV ROOF CURB

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



A1 ROOF PLAN

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

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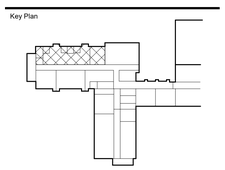
Key Plan



Graphic Scale 0" 1" (scale measures 1" when plotted at full size)

Plan North

True North

LICENSED ARCHITECT
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CONSTRUCTION DOCUMENTS

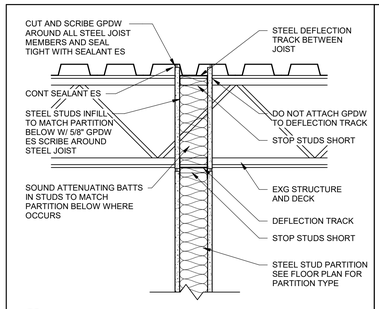
NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ERP

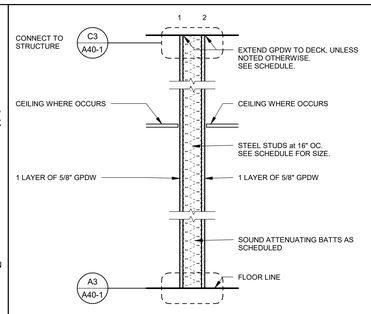
ROOF PLAN

A15-1



C3 TOP OF PARTITION CLOSURE DETAIL

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



D PARTITION TYPE D

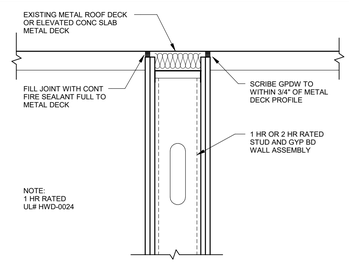
1" = 1'-0"

STUD PARTITION TYPE SCHEDULE

TAG	TYPE	STUD SIZE	GPDW HEIGHT		FIRE-RATING		SOUND RATING		OVERALL WIDTH	REMARKS
			SIDE 1	SIDE 2	RATING	UL #	INSUL	STC		
A00	A		TO DECK	-	0	-			5/8"	
D30 - S	D	3 5/8" STL	TO DECK	TO DECK	0	-	Yes	46	4 7/8"	
D60	D	6" STL	TO DECK	TO DECK	0	-			7 3/4"	
D80 - S	D	6" STL	TO DECK	TO DECK	0	-	Yes	44	9 1/4"	
J41	J	4" I-STUDS	TO DECK	TO DECK	1	U415			4 5/8"	

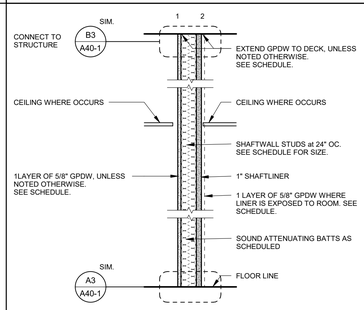
PARTITION TYPE SCHEDULES

NO SCALE



B3 FIRESTOP WALL SYSTEM F2 22 DETAIL

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



J PARTITION TYPE J

1" = 1'-0"

PARTITION GENERAL NOTES:

1. **GENERAL:**
   - A. NOT ALL PARTITION TYPES SHOWN ARE APPLICABLE TO THIS PROJECT. SEE SCHEDULES FOR TYPES USED.
   - B. SEE THE A40-# SERIES FOR TYPICAL PARTITION CONNECTION DETAILS AND PARTITION FIRE STOP DETAILS.
   - C. SEE SECTIONS AND DETAILS FOR CONNECTIONS OTHER THAN THOSE SHOWN.
   - D. IN THE PARTITION TYPE DIAGRAMS AND SCHEDULE, SIDE "1" REFERS TO THE MAJOR TRAFFIC (CORRIDOR) OR ROOM SIDE OF A PARTITION. SIDE "2" REFERS TO THE MINOR TRAFFIC, ROOM OR CHASE SIDE.
   - E. IN THE SCHEDULE, THE OVERALL WIDTH IS TAKEN FROM FACE OF GPDW TO FACE OF GPDW OR FACE OF FRAMING MEMBER, WHERE EXPOSED ON THE CHASE SIDE.
2. **FRAMING:**
   - A. USE 20 ga STEEL STUDS IN PARTITIONS WITH ABUSE RESISTANT GPDW, TILE BACKER BOARD, STC RATED WALLS AND AS OTHERWISE SPECIFIED.
3. **GYPSUM BOARD:**
   - A. ALL GPDW TO BE TYPE-X GPDW.
   - B. IN TOILET ROOMS, KITCHENS AND DIRTY DISH WASHING AREAS, WITH GPDW WALLS, PROVIDE 5/8" MOLD RESISTANT GPDW IN LIEU OF GPDW ON ALL STUD PARTITIONS WITHIN THE ROOM. WHERE THE GPDW EXTENDS ABOVE THE ROOM CEILING, PROVIDE MOLD RESISTANT GPDW TO A MIN 8" ABOVE THE CEILING AND USE 5/8" GPDW TO THE TOP OF THE PARTITION.
   - C. IN TOILET ROOMS WHERE GPDW CEILINGS ARE CALLED FOR, PROVIDE 5/8" MOLD RESISTANT GPDW ON STEEL STUD FRAMING.
   - D. PROVIDE 5/8" MOLD RESISTANT GPDW FROM FLOOR TO ROOF OR FLOOR DECK ABOVE ON INSIDE FACE OF EXTERIOR WALLS.
   - E. AT PARTITIONS WHERE 5/8" ABUSE RESISTANT GPDW IS NOTED SUCH AS IN CORRIDORS, STAIRS, HALLS, LOBBIES AND STORAGE ROOMS, THE INTENT IS FOR THE ABUSE BOARD TO BE ON THE TRAFFIC SIDE OF THE ROOM. THE ROOM SIDE OF THE PARTITION PROVIDE 5/8" GPDW OR 5/8" MOISTURE GPDW AS NOTED ELSEWHERE IN THESE NOTES.
   - F. WHERE 5/8" ABUSE RESISTANT GPDW IS NOTED, EXTEND UP TO 8" ABOVE CEILING THEN USE 5/8" GPDW UP TO DECK AND SEAL TIGHT.
4. **FIRE-RATED PARTITIONS:**
   - A. ALL FIRE-RATED PARTITIONS SHALL BE STENCILED ON THE WALL SURFACE JUST ABOVE THE CEILING LINE INDICATING THE PARTITIONS FIRE-RATING, "1 HR", "2 HR", ETC IN RED OR ORANGE PAINT ON EACH SIDE OF THE PARTITION. SMOKE PARTITIONS "SMOKE" IN GREEN PAINT.
   - B. 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 AND DETAILED IN THE A40-# SERIES.

PARTITION GENERAL NOTES (CONT'D):

5. **SOUND RESISTANT PARTITIONS:**
   - A. PROVIDE INSULATION FOR THE FULL DEPTH OF THE STUD CAVITY UNLESS OTHERWISE SHOWN OR SPECIFIED.
   - B. PROVIDE INSULATION SUPPORT ANCHORS.
   - C. STC VALUES IN THE SCHEDULE ARE THE MINIMUM REQUIRED FOR THE ASSEMBLY.
6. **MISCELLANEOUS:**
   - A. WHERE GPDW & STUD PARTITIONS INTERSECT BEAMS OR JOIST, FRAME AROUND BOTH SIDES OF BEAMS & JOIST WITH METAL STUDS AND GPDW TO MAINTAIN CONTINUITY OF PARTITION TO UNDERSIDE OF DECK.
   - B. WHERE CMU WALLS, RATED AND NON-RATED, INTERSECT BEAMS OR JOISTS, FRAME AROUND BOTH SIDES OF BEAMS OR JOIST WITH METAL STUDS AND GPDW TO MAINTAIN CONTINUITY OF PARTITION TO UNDERSIDE OF DECK.
   - C. TOP OF PARTITION CLOSURE DETAILS SHOWN ARE TYPICAL. ACTUAL FIELD CONDITIONS MAY VARY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ACTUAL CONDITIONS AND MODIFYING CLOSURE DETAILS TO MEET ACTUAL CONDITIONS AND MAINTAINING CONTINUITY OF PARTITIONS FROM FLOOR TO DECK ABOVE.
   - D. PROVIDE 3/8" ACOUSTICAL SEALANT JOINT WITH CASING BEAD AROUND PERIMETER OF GPDW ASSEMBLIES WHEN ABUTTING DISSIMILAR MATERIALS UNLESS NOTED OR DETAILED ELSEWHERE IN THIS SET.

PARTITION AND WALL TAG KEY:

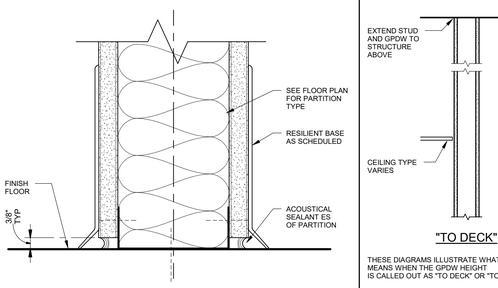
D##	ALPHA-NUMERIC TAG CHARACTERS. REFER TO SCHEDULES FOR INTERIOR PARTITIONS AND DETAILS FOR EXTERIOR WALLS.

PARTITION TAG MODIFIERS:

D##-S	PROVIDE SOUND ATTENUATING BATTS AT PARTITIONS TAGGED WITH AN "**-S**". SEE SCHEDULE FOR STC.
D##-T	PROVIDE THERMAL INSULATION AT PARTITIONS TAGGED WITH A "**-T**". SEE SCHEDULE.
D##●	PROVIDE ABUSE RESISTANT GPDW ON ONE OR BOTH SIDES AT PARTITIONS TAGGED WITH A "**●**". SEE PARTITION NOTES FOR FURTHER INSTRUCTIONS.
D##♦	PROVIDE IMPACT RESISTANT GPDW ON ONE OR BOTH SIDES AT PARTITIONS TAGGED WITH A "**♦**". SEE PARTITION NOTES FOR FURTHER INSTRUCTIONS.

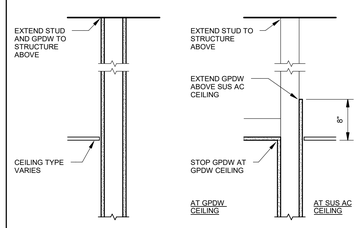
PARTITION NOTES AND KEY

NO SCALE



A3 BASE OF WALL DETAIL

SCALE: 6" = 1'-0"



THESE DIAGRAMS ILLUSTRATE WHAT THE SCHEDULE MEANS WHEN THE GPDW HEIGHT IS CALLED OUT AS "TO DECK" OR "TO CLG".

NOTE: IF THE GPDW HEIGHT IS SCHEDULED "TO CLG" AND THE ROOM HAS NO CEILING, EXTEND THE GPDW "TO DECK".

GPDW HEIGHT DIAGRAMS

1" = 1'-0"

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Graphic Scale

0" 1"

(scale measures 1" when plotted at full size)

LICENSED ARCHITECT
MARK D. LEE #3849
STATE OF MAINE

CONSTRUCTION DOCUMENTS

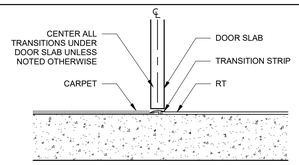
NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ERP

PARTITION LEGEND AND DETAILS

A40-1

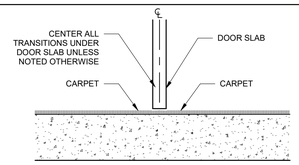


RESILIENT TO CARPET TRANSITION

NOTE: VERIFY AND INSTALL SPECIFIED TRANSITION TYPES AT ALL NEW FLOORING TRANSITIONS BETWEEN NEW TO NEW FLOORING TYPES AS WELL AS NEW TO EXISTING FLOORING TYPES. CORRDINATE WITH THE CONDITION THAT APPLIES.

C1 FLOOR TRANSITION DETAIL

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

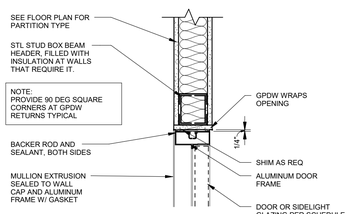


CARPET TO CARPET TRANSITION

NOTE: VERIFY AND INSTALL SPECIFIED TRANSITION TYPES AT ALL NEW FLOORING TRANSITIONS BETWEEN NEW TO NEW FLOORING TYPES AS WELL AS NEW TO EXISTING FLOORING TYPES. CORRDINATE WITH THE CONDITION THAT APPLIES.

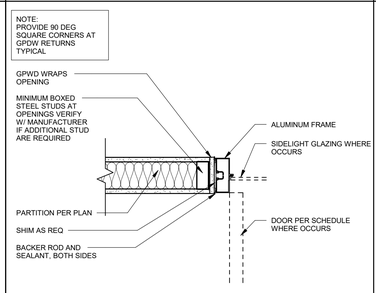
C2 FLOOR TRANSITION DETAIL

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



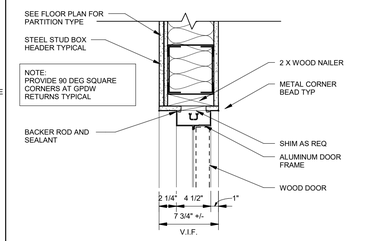
B1 ALUM FRAME HEAD DETAIL

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



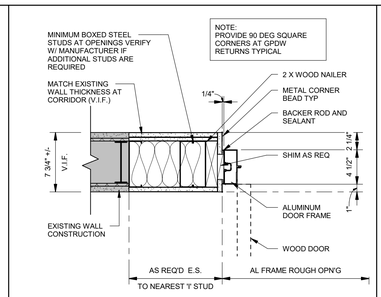
B2 ALUM FRAME JAMB DETAIL

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



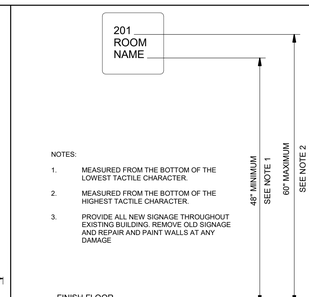
B3 ALUM FRAME HEAD DETAIL

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



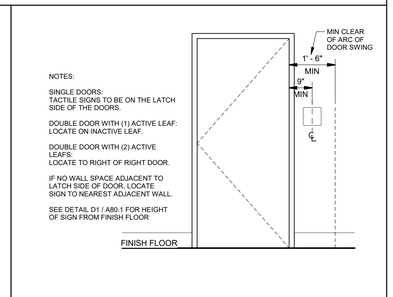
B4 ALUM FRAME JAMB DETAIL

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



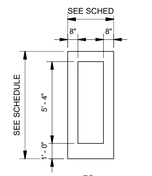
B5 ACCESSIBLE SIGNAGE

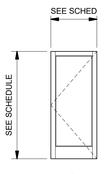
SCALE: 1" = 1'-0"



B6 ACCESSIBLE SIGNAGE LOCATION

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

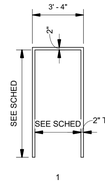




GENERAL NOTES:
1. SEE DOOR SCHEDULE FOR GLASS TYPES AT DOORS WITH GLAZING.
   LAM = LAMINATED
   INS LAM = INSULATED LAMINATED
   TEMP = TEMPERED
2. SEE DOOR SCHEDULE FOR WINDOW SHADE LOCATIONS.

A1 DOOR TYPES

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



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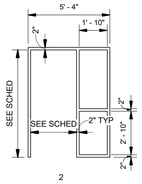

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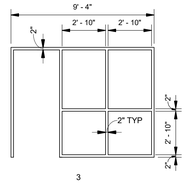

3

GENERAL NOTES:
1. AL FRAME HEADS SHALL BE 2" UNLESS NOTED OTHERWISE.
2. JAMBS AND MULLIONS SHALL BE 2" UNLESS NOTED OTHERWISE.
3. BASES OF SIDELITES SHALL BE 2" UNLESS NOTED OTHERWISE.
4. ALL GLAZING WITHIN AL FRAMES FOR DOORS INCLUDING TRANSOMS SHALL BE TEMPERED UNLESS NOTED AS LAMINATED.
5. SHADES NOTED IN SCHEDULE SHALL BE APPLIED TO DOORS WITH GLASS AS WELL AS ANY BORROWED LIGHT/TRANSOM GLASS.
6. GLAZING IN BORROW LIGHTS SHALL BE DONE ON OUTSIDE OF ROOM SIDE OF FRAME, TYPICAL.

A3 DOOR FRAME TYPES - ALUMINUM

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

DOOR AND FRAME SCHEDULE

DOOR MARK	DOOR OPENING SIZE WID	DOOR OPENING SIZE HT	DOOR THK	DOOR TYPE	DOOR MAT	DOOR GLASS	FRAME TYPE	FRAME MAT	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	FIRE RATING	HDW SET	REMARKS
3RD FLOOR														
C301	3' - 0"	7' - 0"	1 3/4"	G	AL	TEMP	3	AL	B3/A60-1	B4/A60-1	C1/A60-1		1	WILSON PARTITIONS - MEDIUM STILE SWING DOOR
C301A	3' - 0"	7' - 0"	1 3/4"	FG	WD	TEMP	2	AL	B1/A60-1	B2/A60-1	C2/A60-1		2	PROVIDE OPERABLE WINDOW SHADE AT OFFICE DOOR AND SIDELITE LOCATIONS.
C301B	3' - 0"	7' - 0"	1 3/4"	FG	WD	TEMP	2	AL	B1/A60-1	B2/A60-1	C2/A60-1		2	PROVIDE OPERABLE WINDOW SHADE AT OFFICE DOOR AND SIDELITE LOCATIONS.
C301C	3' - 0"	7' - 0"	1 3/4"	FG	WD	TEMP	2	AL	B1/A60-1	B2/A60-1	C2/A60-1		2	PROVIDE OPERABLE WINDOW SHADE AT OFFICE DOOR AND SIDELITE LOCATIONS.
C301E	3' - 0"	7' - 0"	1 3/4"	FG	WD	TEMP	2	AL	B1/A60-1	B2/A60-1	C2/A60-1		2	PROVIDE OPERABLE WINDOW SHADE AT OFFICE DOOR AND SIDELITE LOCATIONS.
C301F	3' - 0"	7' - 0"	1 3/4"	FG	WD	TEMP	2	AL	B1/A60-1	B2/A60-1	C2/A60-1		2	PROVIDE OPERABLE WINDOW SHADE AT OFFICE DOOR AND SIDELITE LOCATIONS.
C301G	3' - 0"	7' - 0"	1 3/4"	FG	WD	TEMP	2	AL	B1/A60-1	B2/A60-1	C2/A60-1		2	PROVIDE OPERABLE WINDOW SHADE AT OFFICE DOOR AND SIDELITE LOCATIONS.
C301K	3' - 0"	7' - 0"	1 3/4"	G	AL	TEMP	3	AL	B3/A60-1	B4/A60-1	C1/A60-1		1	WILSON PARTITIONS - MEDIUM STILE SWING DOOR

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CENTER FOR
TEACHING INNOVATION
RENOVATION

GORHAM, MAINE

Harriman Project No.	22211

Graphic Scale
0" 1"
(scale measures 1" when plotted at full size)

LICENSED ARCHITECT
MARK D. LEE
#3640
STATE OF MAINE

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ERP

DOOR SCHEDULE AND DETAILS

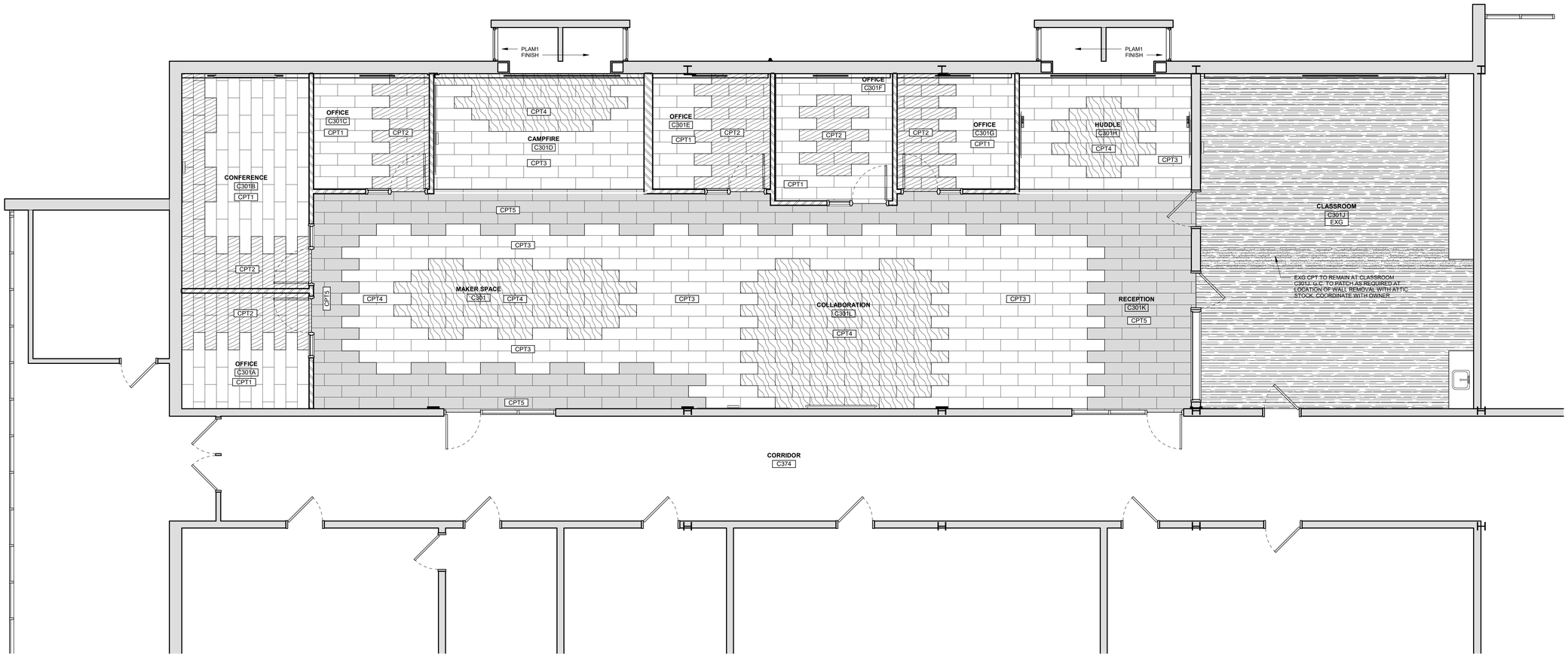
A60-1

ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR	BASE	WAINSCOT CODE	WAINSCOT HT	WALLS N	WALLS E	WALLS S	WALLS W	REMARKS
3RD FLOOR										
C301	MAKER SPACE	CPT3 + CPT4 + CPT5	RWB1			P1	P3	P1	P3	
C301A	OFFICE	CPT1 + CPT2	RWB1			P2	P1	P1	P1	
C301B	CONFERENCE	CPT1 + CPT2	RWB1			P1	P1	P2	P2	
C301C	OFFICE	CPT1 + CPT2	RWB1			P1	P1	P1	P2	
C301D	CAMPFIRE	CPT3 + CPT4	RWB1			P3	P1	P1	P1	
C301E	OFFICE	CPT1 + CPT2	RWB1			P1	P1	P1	P2	
C301F	OFFICE	CPT1 + CPT2	RWB1			P1	P1	P1	P2	
C301G	OFFICE	CPT1 + CPT2	RWB1			P2	P1	P1	P1	
C301H	HUDDLE	CPT3 + CPT4	RWB1			P3	P1	P1	P1	
C301J	CLASSROOM	EXG	EXG			EXG	EXG	EXG	EXG	PATCH AND REPAIR FINISHES WHERE EXG WALL REMOVED
C301K	RECEPTION	CPT3 + CPT4 + CPT5	RWB1			P1	P1	P1	P1	
C301L	COLLABORATION	CPT3 + CPT4 + CPT5	RWB1			P1	P1	P1	P1	
C374	CORRIDOR	EXG	EXG			EXG	EXG	EXG	EXG	

MATERIALS LEGEND

MATERIAL	CODE No.	MANUFACTURER / SERIES	COLOR / FINISH
CARPET	CPT1	MOHAWK - LICHEN COMMUNITY - MICRO BLOOM II	831 GOLD DUST BARK
	CPT2	MOHAWK - LICHEN COMMUNITY - MACRO BLOOM II	831 GOLD DUST BARK
	CPT3	MOHAWK - LICHEN COMMUNITY - MICRO BLOOM II	856 JEWEL LEAF BARK
	CPT4	MOHAWK - LICHEN COMMUNITY - MACRO BLOOM II	856 JEWEL LEAF BARK
	CPT5	MOHAWK - BARK COMMUNITY	858 BARK
RUBBER WALL BASE	RWB1	6" RUBBER WALL BASE	TBD
ACOUSTIC CEILING	ACT1	ARMSTRONG	NEW CEILING GRID W/ EXG TILES
	ACT2	ARMSTRONG	EXG CEILING GRID AND TILES
PAINT	P1	TBD	WHITE WALLS
	P2	TBD	ACCENT WALL AT OFFICES AND CONFERENCE
	P3	TBD	ACCENT WALL AT CAMPFIRE AND HUDDLE
	P4	TBD	ACCENT PAINT
PLASTIC LAMINATE	PLAM1	WILSONART	TBD



A1 THIRD FLOOR MATERIALS PLAN

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

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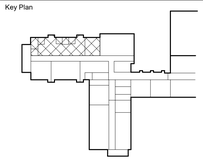
GORHAM, MAINE

Harriman Project No. 22211

GENERAL NOTES

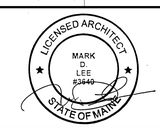
1. FLOORING TO CONTINUE UNDER COUNTERS AT OPEN AREAS.
2. REFER TO A40-1 FOR FLOOR TRANSITION DETAILS.
3. TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR MATERIALS TO OCCUR AT CENTERLINE OF DOORS IN CLOSED POSITION U.N.O.

Key Plan



Graphic Scale 0" 1" (scale measures 1" when plotted at full size)

Plan North True North



CONSTRUCTION DOCUMENTS

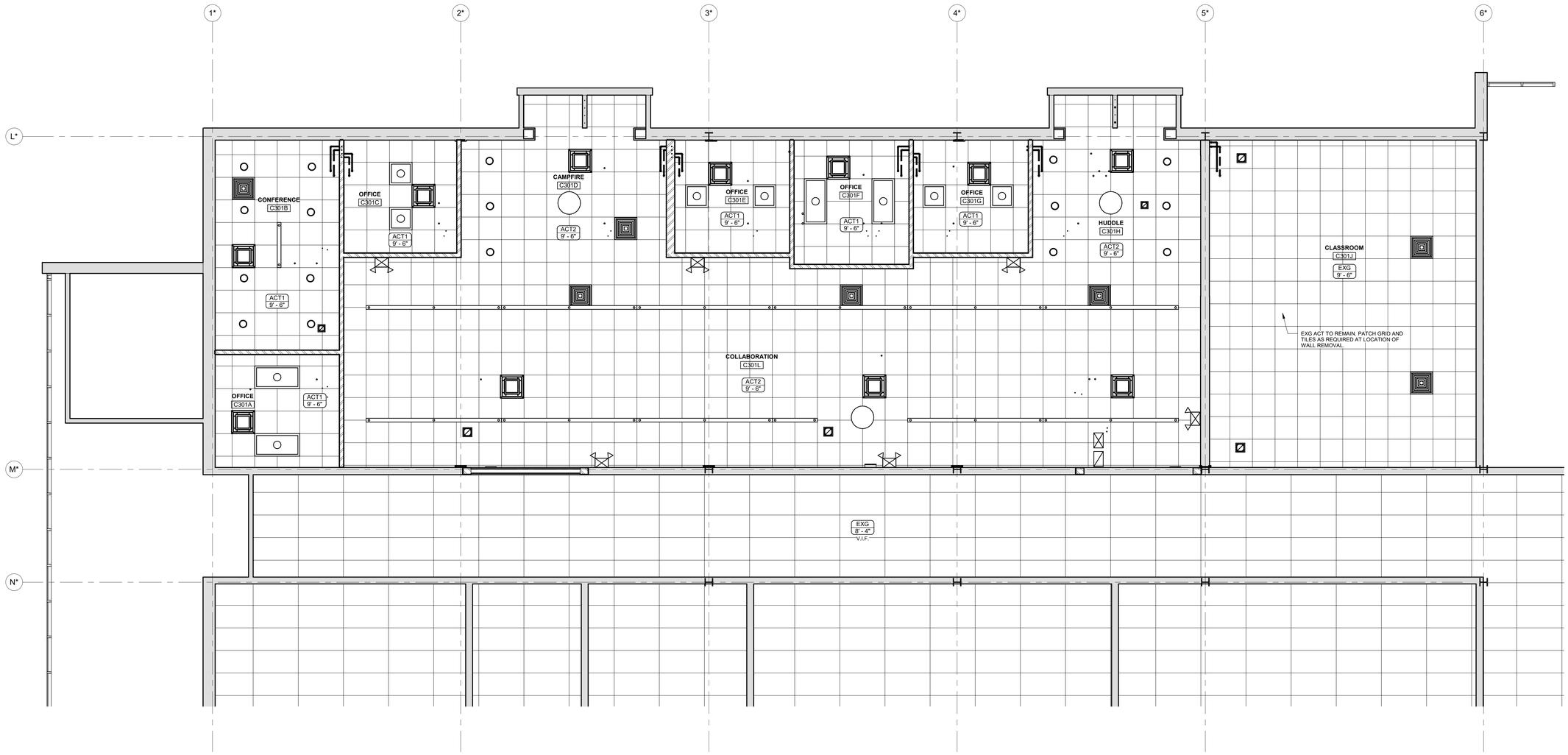
NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ERP

ROOM FINISH SCHEDULE AND MATERIALS PLAN

A61-1



A1 THIRD FLOOR CEILING PLAN

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

CEILING TYPE LEGEND

ACT 1
CONTRACTOR SHALL SALVAGE EXISTING ACOUSTIC CEILING TILES FOR REINSTALLATION IN NEW ACOUSTIC CEILING GRID AS SPECIFIED IN SPEC SECTION 095113

ACT 2
EXISTING CEILING TILES AND GRID SHALL REMAIN. CONTRACTOR SHALL MODIFY / INFILL GRID AND INSTALL SALVAGED OR ATTIC STOCK TILES AS REQUIRED. ALTERNATE #1: ACT2 AREAS SHALL HAVE NEW GRID WITH SALVAGED TILES SIM TO ACT1.

EXG
EXISTING CEILING TILES AND GRID ARE TO REMAIN AND CONTRACTOR SHALL MODIFY / INFILL GRID AND INSTALL SALVAGED OR ATTIC STOCK TILES AS REQUIRED AT LOCATION OF WALL REMOVAL

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Harriman Project No.	22211

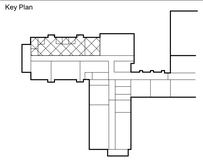
GENERAL NOTES

1. LIGHTING IS SHOWN FOR COORDINATION. REFER TO E10-0 AND E10-1 FOR LIGHTING DESIGN

SYMBOLS LEGEND

- MECHANICAL SUPPLY DIFFUSER
- MECHANICAL SUPPLY DIFFUSER
- MECHANICAL RETURN TRANSFER
- MECHANICAL RETURN DIFFUSER
- LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE
- AP ACCESS PANEL
- FIRE ALARM SYSTEM SPEAKER STROBE
- FIRE ALARM SYSTEM SMOKE / CARBON MONOXIDE DETECTOR
- FIRE ALARM SYSTEM STROBE

Key Plan



Graphic Scale 0" 1" (scale measures 1" when plotted at full size)

Plan North

True North

LICENSED ARCHITECT
MARK D. LEE
#3440
STATE OF MAINE

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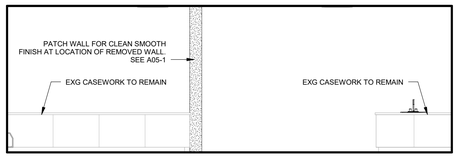
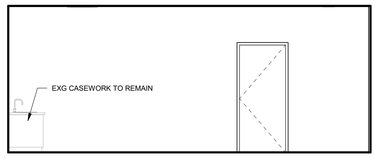
Drawn by: ERP

THIRD FLOOR CEILING PLAN

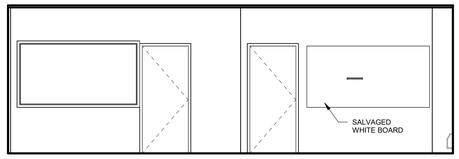
A70-1



E1 CLASSROOM C301J
SCALE: 1/4" = 1'-0"

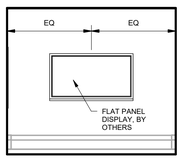


E2 CLASSROOM C301J
SCALE: 1/4" = 1'-0"

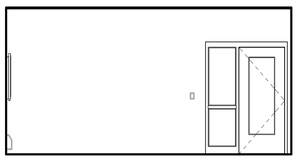


E3 CLASSROOM C301J
SCALE: 1/4" = 1'-0"

E4 CLASSROOM C301J
SCALE: 1/4" = 1'-0"

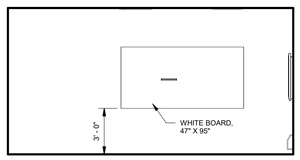


D1 CONFERENCE C301B
SCALE: 1/4" = 1'-0"

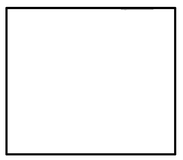


D2 CONFERENCE C301B
SCALE: 1/4" = 1'-0"

D3 CONFERENCE C301B
SCALE: 1/4" = 1'-0"

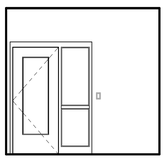


D4 CONFERENCE C301B
SCALE: 1/4" = 1'-0"

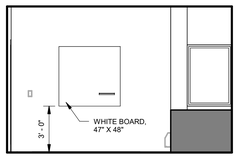


D5 OFFICE C301A
SCALE: 1/4" = 1'-0"

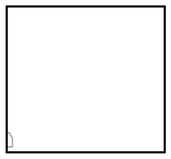
D6 OFFICE C301A
SCALE: 1/4" = 1'-0"



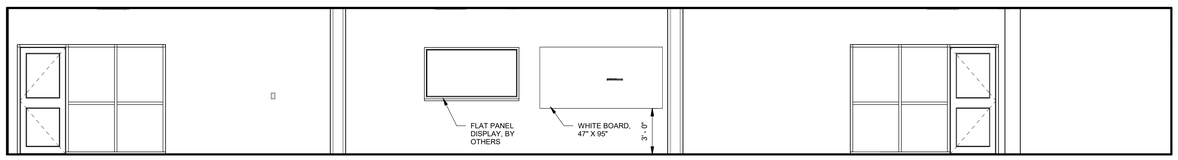
D7 OFFICE C301A
SCALE: 1/4" = 1'-0"



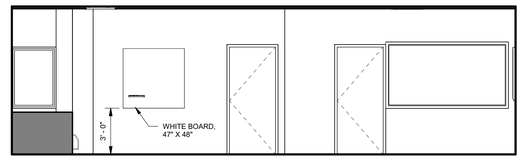
C1 C301H - WEST
SCALE: 1/4" = 1'-0"



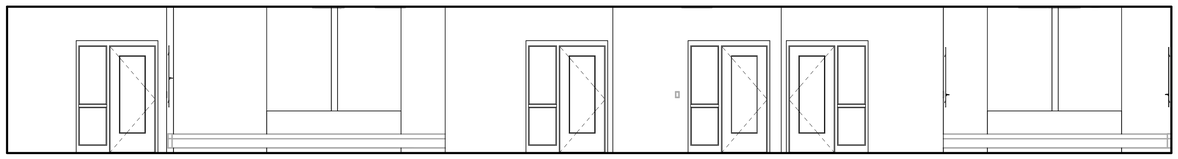
C2 C301D - EAST
SCALE: 1/4" = 1'-0"



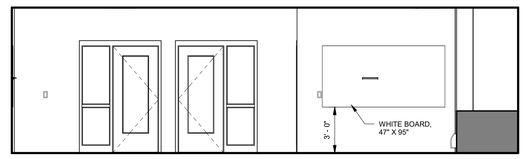
B1 C301 - SOUTH
SCALE: 1/4" = 1'-0"



B2 C301 - EAST
SCALE: 1/4" = 1'-0"



A1 C301 - NORTH
SCALE: 1/4" = 1'-0"



A2 C301 - WEST
SCALE: 1/4" = 1'-0"

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MARK D. LEE #3649
STATE OF MAINE

CONSTRUCTION DOCUMENTS

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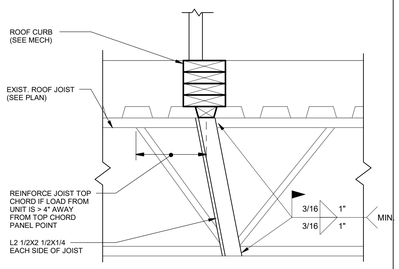
Drawn by: ERP

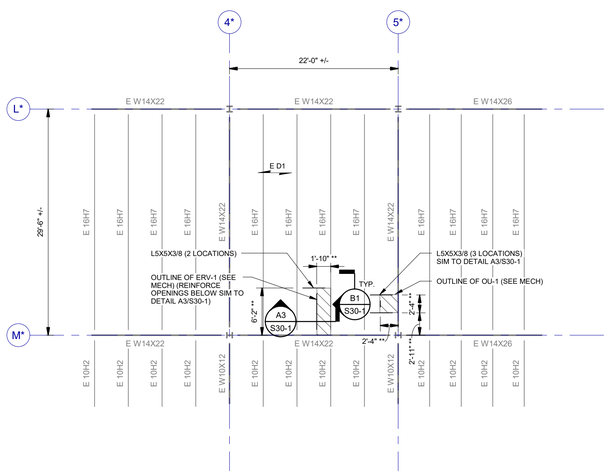
INTERIOR ELEVATIONS

A81-1



B1 TYP. JOIST REINFORCING DETAIL AT ROOF UNIT CURB PERIMETER

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



A1 PARTIAL ROOF FRAMING PLAN

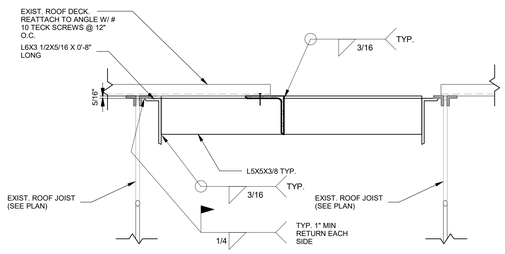
SCALE: 1/8" = 1'-0"

FRAMING PLAN NOTES:

1. TOP OF STEEL/UNDERSIDE OF DECK ELEVATION IS TO MATCH THE ELEVATION OF THE STEEL SUPPORTING THE EXISTING ROOF
2. E D1 INDICATES SPAN OF EXIST. 1 1/2" METAL DECK
3. +/- DIMENSIONS SHALL BE CONSIDERED APPROXIMATE AND SHALL BE VERIFIED BY G.C. BEFORE PROCEEDING WITH WORK.
4. SECTIONS AND DETAILS SHOWN ON STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS NOT SPECIFICALLY REFERENCED.

DIMENSION INDICATED WITH A "*" TO BE COORDINATED BY THE G.C. PRIOR TO FABRICATION. COORDINATE WITH THE APPROVED MECHANICAL UNIT SELECTIONS TO LOCATE BEAMS BELOW UNIT CURBS / BEARING LOCATIONS

DESIGN VERIFICATION OF EXISTING FRAMING AND ADDITION OF NEW STEEL ANGLES IS BASED ON PLACEMENT OF ERV-1, OXYGEN 8 NOVA AIR HANDLER WITH A WEIGHT OF 630 LBS AND OU-1, DAIKIN UNIT WITH A WEIGHT OF 440 LBS. ALTERNATIVE EQUIPMENT SHALL BE VERIFIED.



A3 TYP. FRAMING AT ROOF UNIT CURB PERIMETER DETAIL

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

STRUCTURAL STEEL:

1. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE - STEEL"
2. COMPLY WITH APPLICABLE PROVISIONS OF AISC 303, AISC 360
3. STEEL FRAMING MEMBERS SHALL BE:
   A. L SHAPES: ASTM A36
4. SUBMIT SHOP DRAWINGS FOR REVIEW SHOWING FABRICATION OF STRUCTURAL-STEEL COMPONENTS. INCLUDE DETAILS OF CUTS, CONNECTIONS, SPLICES, CAMBER, HOLES, AND OTHER PERTINENT DATA, EMBEDMENT DRAWINGS, WELDS BY STANDARD AWS SYMBOLS, DISTINGUISHING BETWEEN SHOP AND FIELD WELDS, AND SHOW SIZE, LENGTH, AND TYPE OF EACH WELD.
5. DO NOT USE THERMAL CUTTING DURING ERECTION UNLESS APPROVED BY ARCHITECT. FINISH THERMALLY CUT SECTIONS WITHIN SMOOTHNESS LIMITS IN AWS D1.1.
6. QUALITY INSPECTIONS: OWNER SHALL ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM THE INSPECTIONS LISTED: VISUALLY INSPECT WELD MATERIALS AND FIELD WELDS ACCORDING TO AWS D1.1.

GENERAL NOTES

1. STRUCTURAL DRAWINGS SHALL BE USED WITH ADDITION TO JOB SPECIFICATIONS, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING, DRAWINGS. THESE DRAWINGS SHALL BE USED TO COORDINATE LOCATIONS AND DIMENSIONS OF ITEMS SUCH AS OPENINGS, CHASES, AND OTHER INFORMATION NOT PROVIDED IN THE STRUCTURAL DRAWINGS. ANY INCONSISTENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO COMMENCING THE WORK AFFECTED.
2. CONTRACTOR SHALL REPORT ANY VARIATIONS FOUND AT THE SITE BEFORE PROCEEDING WITH THAT PART OF THE WORK.
3. SECTIONS AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER.
4. ALL FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED AS APPLICABLE FOR THE PROJECT.

DESIGN INFORMATION

DESIGN CODE = 2015 IBC AND ASCE 7-10

LIVE LOADS:
NOT APPLICABLE

SNOW LOAD:
Pg = 60 PSF
Ce = 1.0
Ct = 1.1
Is = 1.1
Pf = 50.8 PSF + DRIFT LOADS

WIND LOAD:
NOT APPLICABLE

SEISMIC LOAD:
NOT APPLICABLE

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STATE OF MAINE
JAMES C. FOSTER
No. 9539
LICENSED
PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: DRC

PARTIAL ROOF FRAMING PLAN, DETAILS, AND NOTES

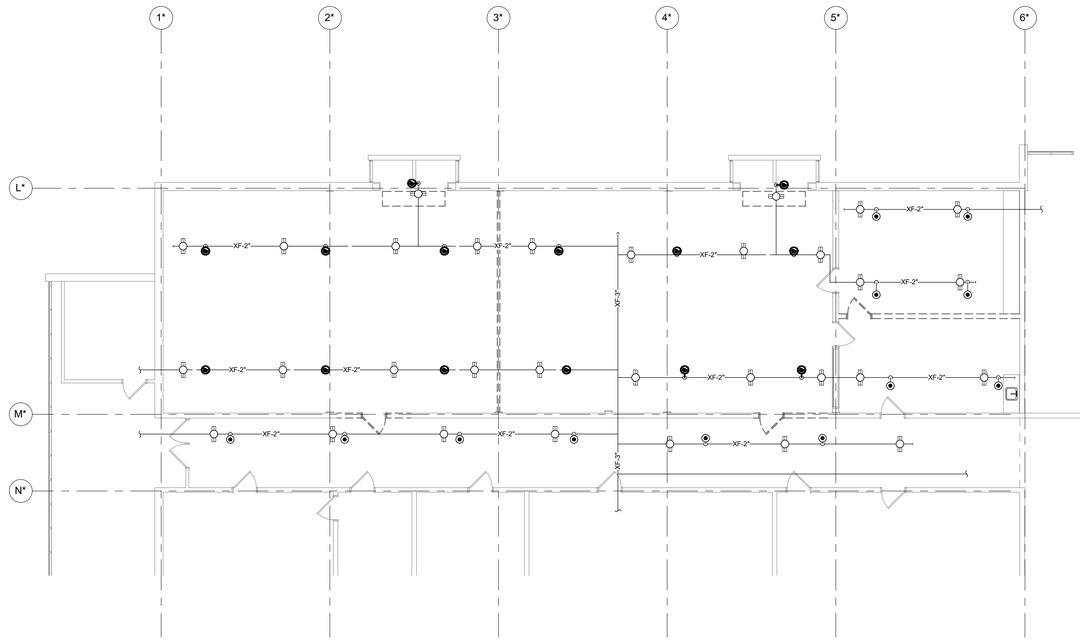
S30-1

LEGEND

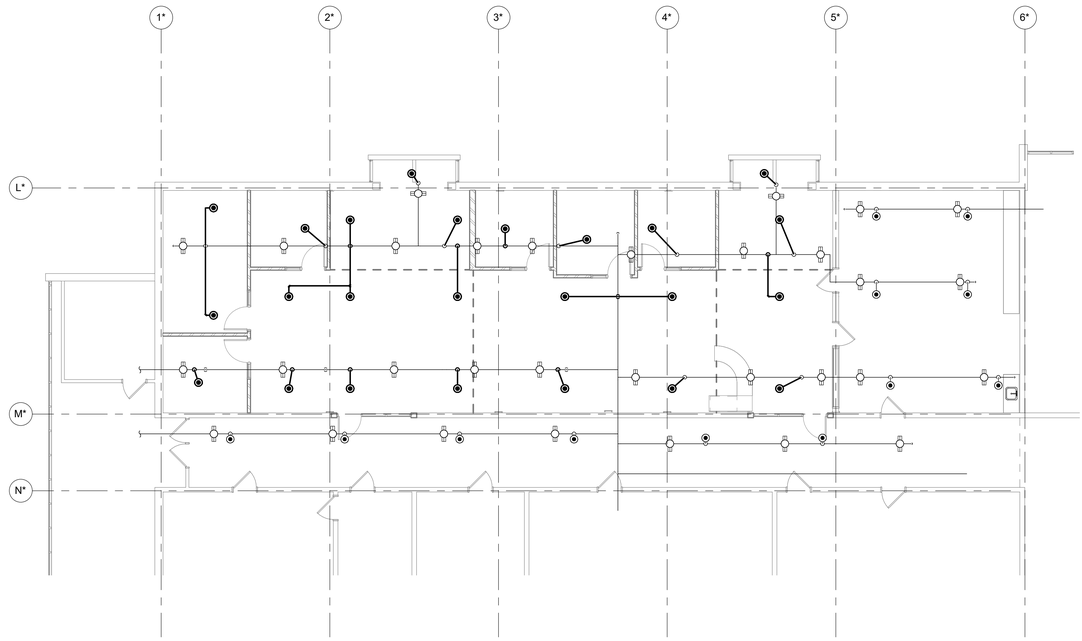
F	SPRINKLER PIPING ABOVE FINISHED FLOOR	⊓	CAP
●	CONCEALED PENDANT WET SPRINKLER	DN	DOWN
◉	SEMI RECESSED WET SPRINKLER	AFF	ABOVE FINISHED FLOOR
◉	SEMI RECESSED DRY SPRINKLER	BFF	BELOW FINISHED FLOOR
	UPRIGHT SPRINKLER	TYP.	TYPICAL
▷	SIDEWALL WET SPRINKLER		
▶	SIDEWALL DRY SPRINKLER		

FIRE PROTECTION NOTES

1. SPRINKLERS & PIPING SHALL BE PROVIDED WITHIN THE BUILDING IN ACCORDANCE WITH NFPA 13.
2. PROVIDE SPRINKLER PROTECTION BELOW DUCTS OR OTHER OBSTRUCTIONS 48" WIDE OR WIDER PER NFPA 13, OR AT ANY OTHER LOCATION WHERE SPRINKLER DISCHARGE IS OBSTRUCTED.
3. THE FIRE SPRINKLER CONTRACTOR SHALL THOROUGHLY REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS THAT IMPACT THE FIRE SPRINKLER SYSTEMS PRIOR TO BID. ANY QUESTIONS THAT AFFECT THE DESIGN AND INSTALLATION OF THE FIRE SPRINKLER SYSTEM SHALL BE RESOLVED BEFORE CONTRACT IS AWARDED.
4. SPRINKLER CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AS REQUIRED BY THE SPECIFICATIONS.



C4 THIRD FLOOR DEMOLITION FIRE PROTECTION
SCALE: 1/8" = 1'-0"



A4 THIRD FLOOR FIRE PROTECTION
SCALE: 1/8" = 1'-0"

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STATE OF MAINE
DAVID W. STORY
No. 12653
LICENSED
PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: MAM

FIRE PROTECTION PLANS

F10-1

ABBREV / DESCRIPTION

ABBREV	DESCRIPTION
CD	CONDENSATE DRAINAGE
ACV	AUTOMATIC CONTROL VALVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALD	ACOUSTICAL LINED DUCT
AMS	AIRFLOW MEASURING STATION
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROL
B	BAROMETRIC DAMPER
BD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BPD	BYPASS DAMPER
BTU	BRITISH THERMAL UNITS
CBD	COUNTERBALANCED BACKDRAFT DAMPER
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CO	CLEANOUT
CTE	CONNECT TO EXISTING
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DCW	DOMESTIC COLD WATER
DEG.F	DEGREES FAHRENHEIT
DHW	DOMESTIC HOT WATER
DIA	DIAMETER
DN	DOWN
DTR	DUAL TEMPERATURE RETURN
DTS	DUAL TEMPERATURE SUPPLY
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXG	EXISTING
EXH	EXHAUST
F&T	FLOAT & THERMOSTATIC TRAP
F/S	FIRE AND SMOKE COMBINATION DAMPER
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FL	FINNED LENGTH OF RADIATION
FM	FLOW METER
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPF	FINS PER FOOT
FPI	FINS PER/INCH
FPM	FEET PER MINUTE
FT	FEET
FT-HD	FEET OF HEAD
FT-WG	FEET WATER GAUGE
FTR	FIN TUBE RADIATOR
GAL	GALLONS
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPCR	HIGH PRESSURE CONDENSATE RETURN (OVER 30 PSIG)
HPS	HIGH PRESSURE STEAM (OVER 30PSIG)
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY

ABBREV / DESCRIPTION

ABBREV	DESCRIPTION
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IN	INCHES
LAT	LEAVING AIR TEMPERATURE
LPCR	LOW PRESSURE CONDENSATE RETURN (LESS THAN 15 PSI)
LPS	LOW PRESSURE STEAM(LESS THAN 15 PSI)
LRA	LOCKED ROTOR AMPS
LSGV	LOCK & SHIELD GATE VALVE
LWT	LEAVING WATER TEMPERATURE
M	MOTORIZED DAMPER
MAX	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOPD	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
MPCR	MEDIUM PRESSURE CONDENSATE RETURN(16-30 PSIG)
MPS	MEDIUM PRESSURE STEAM (16-30 PSIG)
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OED	OPEN END DUCT
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
PD	PRESSURE DROP
PRD	PRESSURE RELIEF DAMPER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RET	RETURN
RL	REFRIGERANT LIQUID
RLA	RATED LOAD AMPERES
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
S	SMOKE DAMPER
SP	STATIC PRESSURE
SS	STAINLESS STEEL
SUP	SUPPLY
TEMP	TEMPERATURE
TT	THERMOSTATIC TRAP
TYP	TYPICAL
V	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
W/O	WITHOUT
WC	WATER COLUMN
WG	WATER GAUGE
WMS	WELDED WIRE MESH SCREEN
WPD	WATER PRESSURE DROP
Z	ZONE DAMPER
PREFIX OF X	EXISTING

PIPING LEGEND

SYMBOL	DESCRIPTION
	EXISTING SUPPLY PIPING TO REMAIN
	EXISTING RETURN PIPING TO REMAIN
	NEW SUPPLY PIPING
	NEW RETURN PIPING
	ACV 2 - WAY
	CAP - PIPE
	COMBINATION BALANCING, FLOW MEASURING & TIGHT SHUT-OFF VALVE
	ISOLATION VALVE
	LOCKSHIELD GATE VALVE
V	MANUAL AIR VENT
	PIPE DOWN
	PIPE UP
P	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	REDUCER - CONCENTRIC
	REDUCER - ECCENTRIC
	STRAINER
	TAKE - OFF FROM BOTTOM OF PIPE
	TAKE - OFF FROM TOP OF PIPE
	THERMOMETER
	THERMOMETER WELL
T	THERMOSTATIC TRAP
	UNION
A 10'-0" FL 1.2 GPM	RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, BALANCED TO 1.2 GPM) WITHOUT DAMPER

DUCTWORK LEGEND

SYMBOL	DESCRIPTION
	EXISTING DUCTWORK TO REMAIN
	NEW DUCTWORK
Ø	SPIRAL DUCT DIAMETER
	DUCT SECTION - SUPPLY/OUTDOOR AIR
	DUCT SECTION - RETURN AIR
	DUCT SECTION - EXHAUST AIR
	DUCT TURNING VANES
F	FIRE DAMPER (1 1/2 HOUR RATED)
	FLEXIBLE DUCT
	LOUVER
M	MOTORIZED DAMPER
	RETURN OR EXHAUST AIR
	SUPPLY OR OUTSIDE AIR
S/R A 400	S (SUPPLY) R (RETURN) E (EXHAUST) T (TRANSFER) SUPPLY DIFFUSER (TYPE 2) DIFFUSER DESCRIPTION (SEE REG., GRILLES & DIFF SCHEDULE) QUANTITY 400 CFM EA

CONTROLS LEGEND

SYMBOL	DESCRIPTION
T	THERMOSTAT

GENERIC LEGEND

SYMBOL	DESCRIPTION
	CONNECT NEW TO EXISTING
	COMPLETELY REMOVE EQUIPMENT, DUCTWORK, OR PIPING
	EXISTING EQUIPMENT TO REMAIN
	NEW EQUIPMENT
A M10.1	SECTION I.D. (SECTION A SHOWN ON DWG. M10.1)

GENERAL NOTES

1 VISIT THE BUILDING SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS, AND TO TAKE MEASUREMENTS AS NECESSARY FOR COMPLETION OF THE WORK ASSOCIATED WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
2 COORDINATE WORK OF MECHANICAL SUBCONTRACTOR WITH WORK OF OTHER TRADES.
3 DUCTWORK, PIPING AND EQUIPMENT ARE INDICATED DIAGRAMMATICALLY. FIELD-VERIFY LOCATIONS.
4 PRIOR TO FABRICATING DUCTWORK, COORDINATE WITH OTHER TRADES TO ENSURE THAT THE DUCTWORK CAN BE INSTALLED WITH THE INDICATED SIZES AND LOCATIONS.FIELD-VERIFY EXISTING DUCT SIZES AND CONDITIONS.SUBMIT ANY DISCREPANCIES OR PROPOSED CHANGES.
5 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF CEILING DIFFUSERS AND REGISTERS.
6 DUCT ELBOWS SHALL BE LONG-RADIUS TYPE (THROAT RADIUS EQUAL TO OR GREATER THAN DUCT WIDTH IN THE PLANE OF THE TURN) WHEREVER SPACE ALLOWS. IF SPACE IS NOT ADEQUATE, PROVIDE MITERED ELBOWS WITH TURNING VANES.
7 PROVIDE 16 GAUGE SINGLE-THICKNESS TURNING VANES AT MITERED DUCT ELBOWS. VANE EDGES (LEADING AND TRAILING) SHALL BE TANGENTIAL TO AIRFLOW.
8 FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 5'-0"
9 PAINT DUCTWORK VISIBLE THRU CEILING OPENINGS, DUCT OPENINGS, AND REGISTERS, GRILLES, AND DIFFUSERS WITH BLACK PAINT IN ACCORDANCE WITH DIVISION 09 SECTION "PAINTING."
10 MOUNT THERMOSTATS AND TEMPERATURE AND HUMIDITY SENSORS AT 48 INCHES AFF TO TOP OF ITEM. PROVIDE ELECTRICAL WALL BOX ATTACHED TO FRAMING.
11 WHERE THERMOSTATS/TEMPERATURE SENSORS ARE LOCATED NEAR LIGHT SWITCHES, INSTALL SO THAT LIGHT SWITCHES ARE NEAREST TO THE DOOR JAMBS. THE INTENT IS TO LOCATE THERMOSTATS/ TEMPERATURE SENSORS SO THEY WILL NOT INTERFERE WITH ACCESSIBILITY OF LIGHT SWITCHES.
12 PROVIDE ALL REQUIRED PENETRATIONS IN RATED ASSEMBLIES, INCLUDING BUT LIMITED TO WALLS AND FLOORS WITH A UL APPROVED FIRESTOPPING ASSEMBLY INCLUDING LISTING LABEL OF PENETRATION AFTER PASSING THROUGH UTILITIES.

DEMOLITION NOTES

1 DURING DEMOLITION PROPERLY CAP AND PROTECT ALL PIPING & DUCTWORK THAT WILL REMAIN IN OPERATION
2 WHERE EXISTING INSULATION TO REMAIN IS DAMAGED BY THE REQUIREMENTS OF WORK, REPLACE ANY DAMAGED INSULATION IN KIND
3 MECHANICAL CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR DISTRIBUTION OF RESPONSIBILITY AMONGST CONTRACTORS FOR SPECIFIC PORTIONS OF CUTTING AND PATCHING WORK. PLUMBING CONTRACTOR SHALL COORDINATE ALL CUTTING AND PATCHING WORK WITH ALL OTHER CONTRACTORS INVOLVED AS DEFINED IN THE SPECIFICATIONS
4 LOCATION OF EXISTING PIPING & DUCTWORK AS SHOWN ON DRAWINGS IS APPROXIMATE
5 COMPLETELY REMOVE ALL EQUIPMENT AS INDICATED & OR MISCELLANEOUS ARTICLES IN THEIR ENTIRETY INCLUDING AUXILLARY EQUIPMENT, PIPING, WIRING & CONDUIT
6 INCLUDE ALL DEMOLITION OF SYSTEMS AND COMPONENTS WHERE SYSTEMS SHALL BE REPLACED BY NEW WORK. REFER TO THE DRAWINGS & SPECIFICATIONS FOR SCOPE OF NEW & RECONNECTED WORK. THE INTENT OF THIS REQUIREMENT IS TO HAVE THE CONTRACTOR DISCONNECT, DEMOLISH & REMOVE ALL EXPOSED & CONCEALED WORK WHERE BEING REPLACED OR CONNECTED TO THE PROPOSED LAYOUTS
7 COORDINATE ELECTRICAL POWER DISCONNECTION PRIOR TO DEMOLITION WITH ELECTRICAL CONTRACTOR
8 ALL PIPING & DUCTWORK TO REMAIN SHALL HAVE ENDS TERMINATED IN A NEAT MANNER READY FOR CONNECTION OF NEW WORK. ALL EXPOSED ENDS OF PIPING SHALL BE CAPPED
9 EXISTING PIPING NOT TO BE REUSED, NOT SUPPLYING ANY EQUIPMENT AND NOT SPECIFICALLY NOTED OR SHOWN ON DRAWINGS TO BE ABANDONED, SHALL BE COMPLETELY REMOVED
10 CONTRACTOR SHALL CLEAN UP, REMOVE AND DISPOSE OF ALL DEBRIS AND DISCARDED ITEMS UPON COMPLETION OF CONSTRUCTION TO BE READY FOR A NEW OCCUPANCY CONDITION
11 DEMOLISH & COMPLETLY REMOVE EXISTING CONDITIONS DESIGNATED BY A HEAVY DASHED LINE UNLESS NOTED OTHERWISE. REFER TO LEGEND AND DEMOLITION PLANS FOR SCOPE OF WORK

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STATE OF MAINE
DAVID W. STORY
NO. 12853
LICENSED
PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

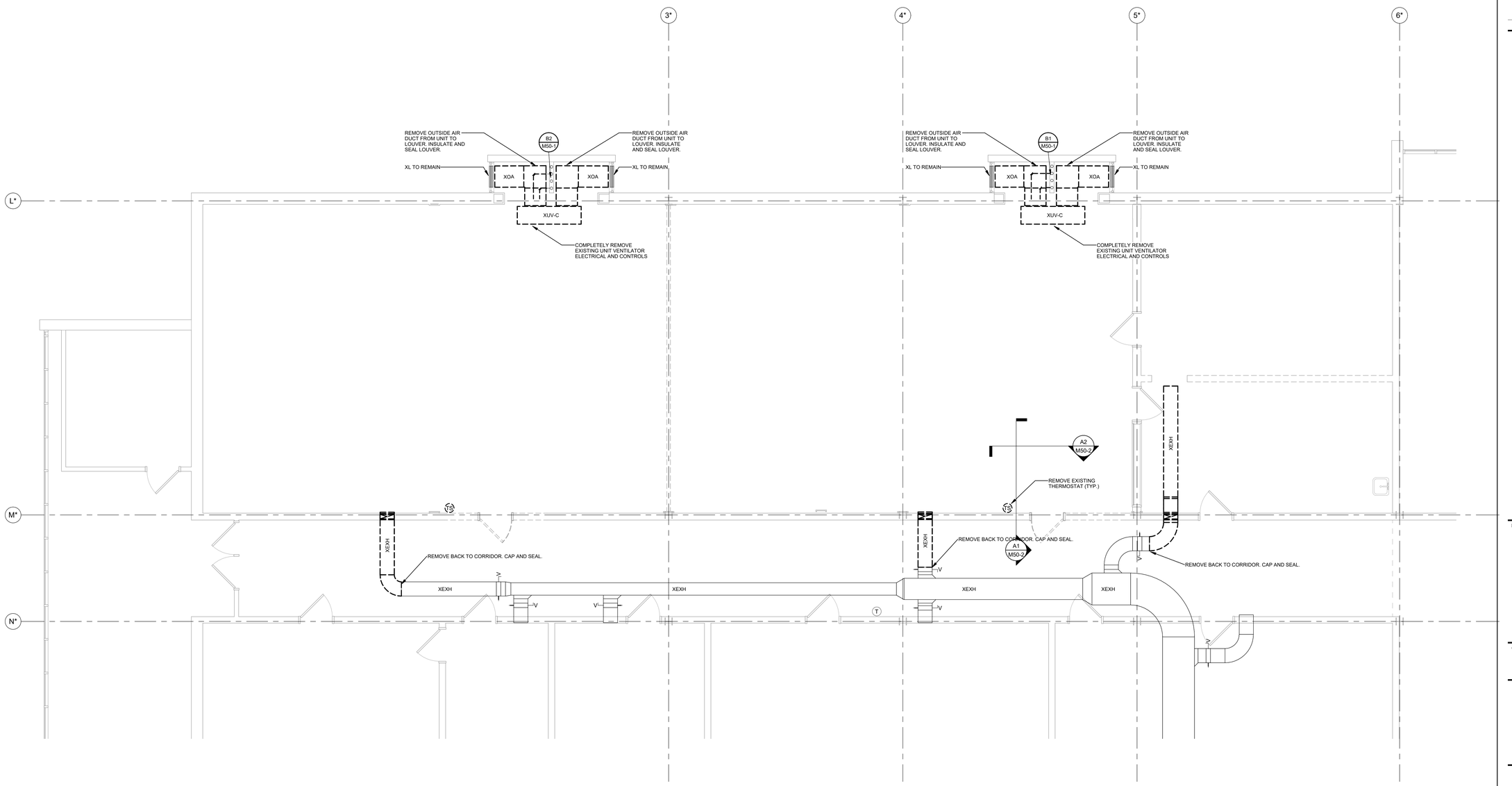
NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: JSH

LEGEND & GENERAL NOTES

M00-1



A1 THIRD FLOOR DEMOLITION
SCALE: 1/4" = 1'-0"

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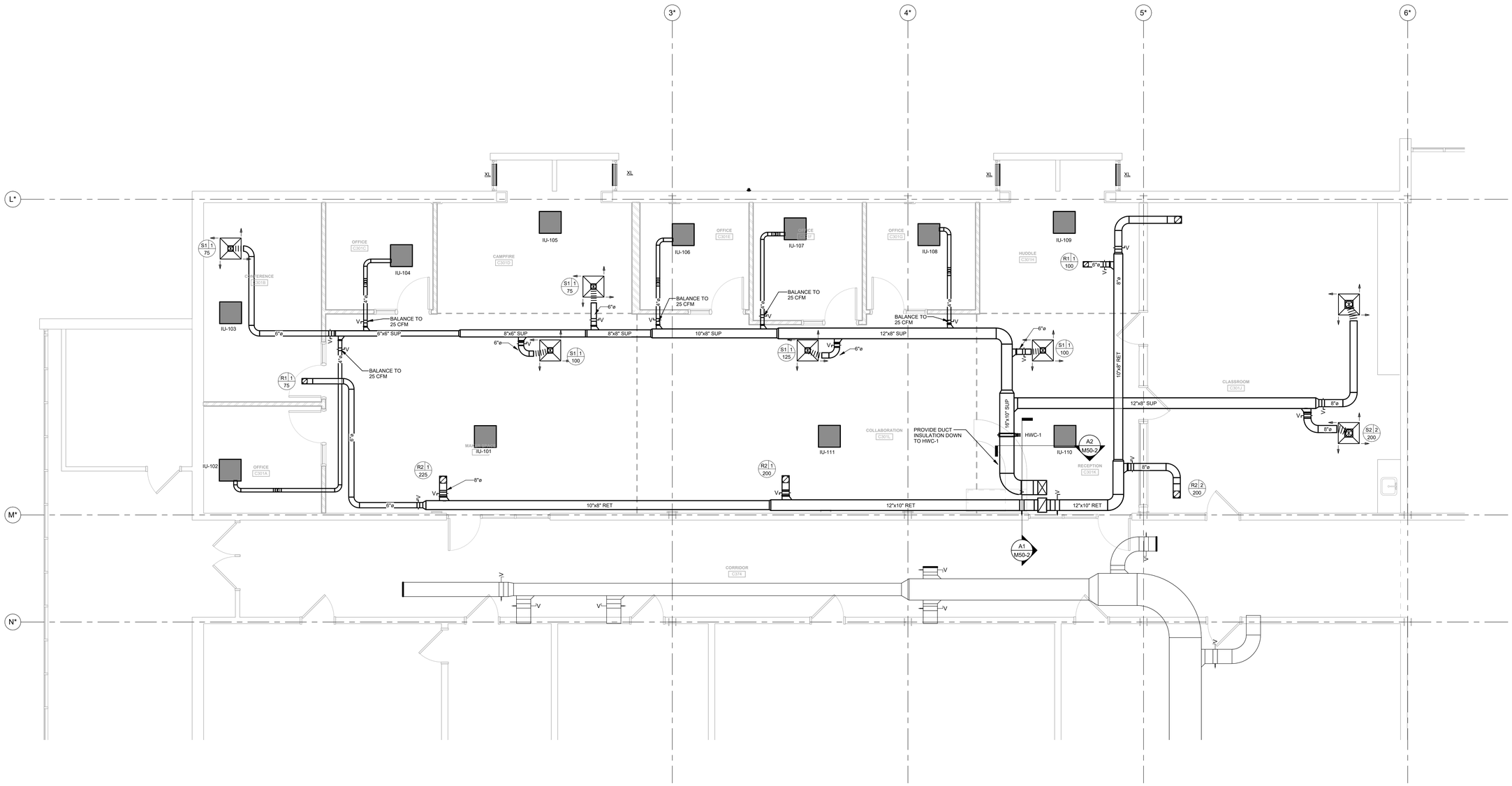
DEMOLITION PLAN

M05-1



A1 THIRD FLOOR MECHANICAL
SCALE: 1/4" = 1'-0"

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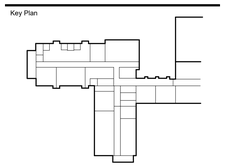

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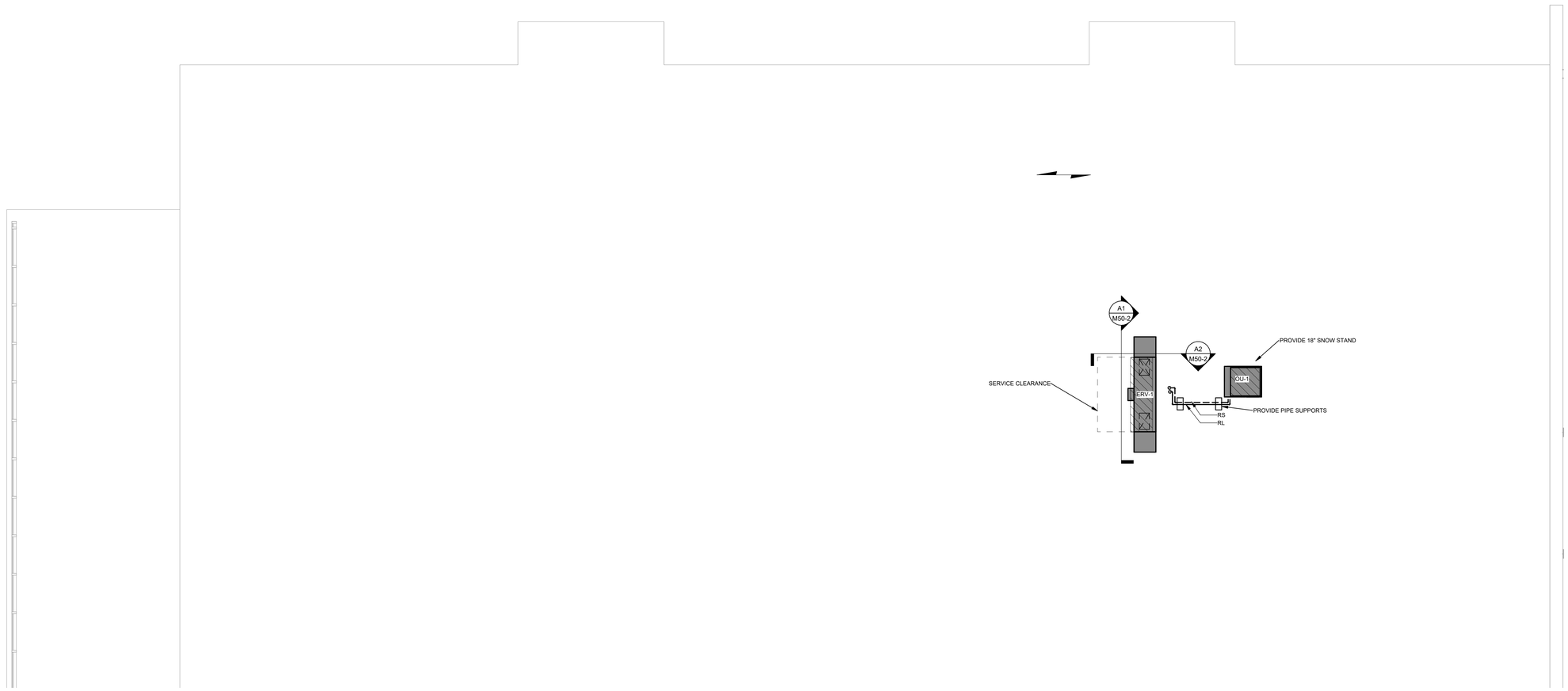
DUCTWORK PLAN

M10-1



A1 ROOF MECHANICAL
SCALE: 1/4" = 1'-0"

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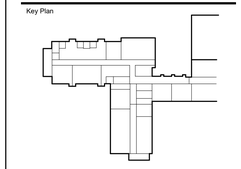

Graphic Scale
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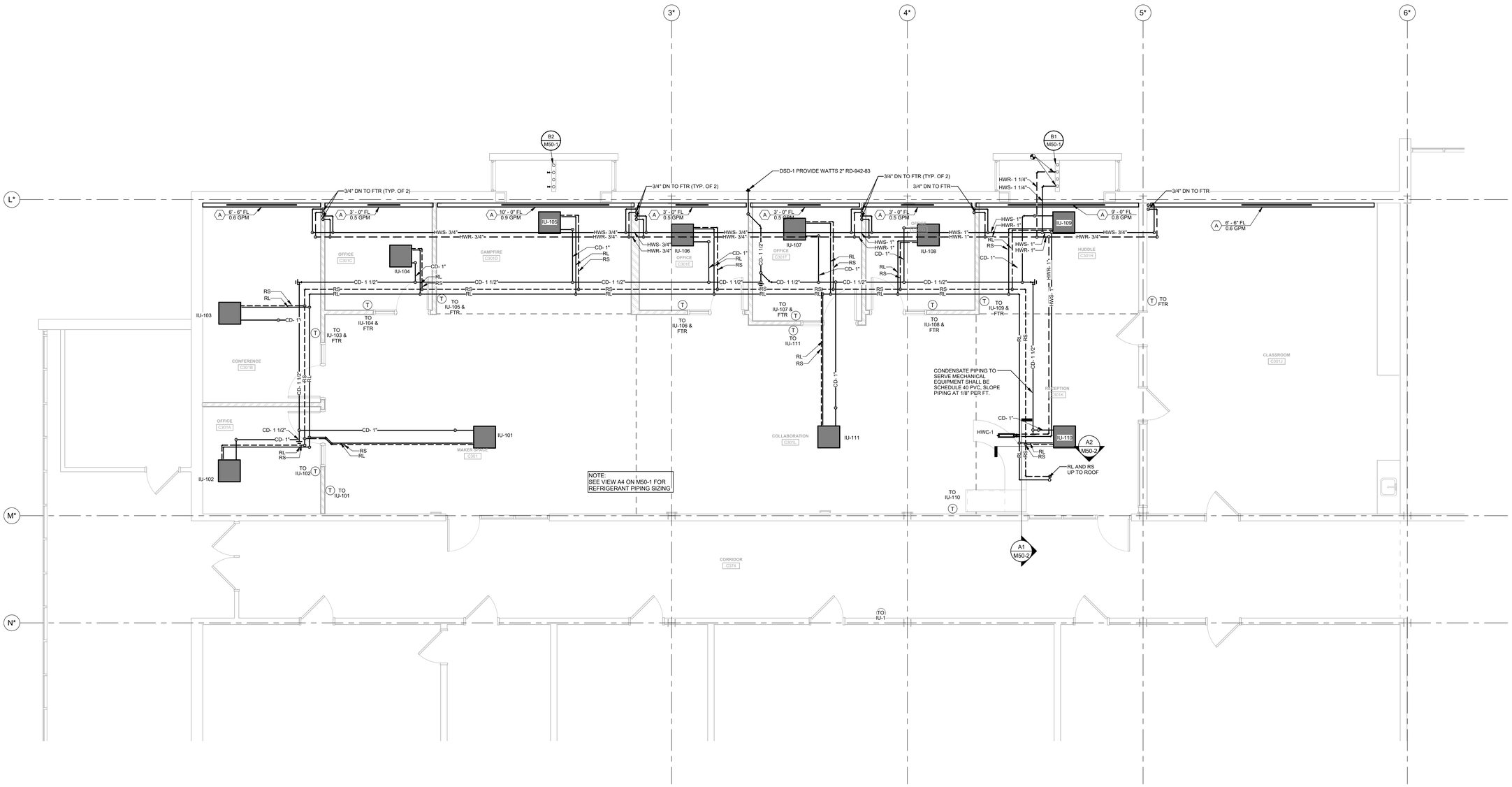
ROOF PLAN

M15-1



A1 THIRD FLOOR PIPING
SCALE: 1/4" = 1'-0"

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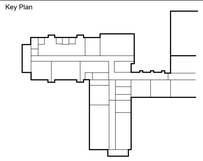

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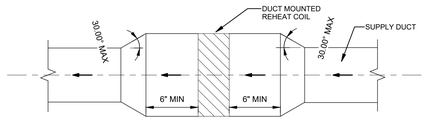
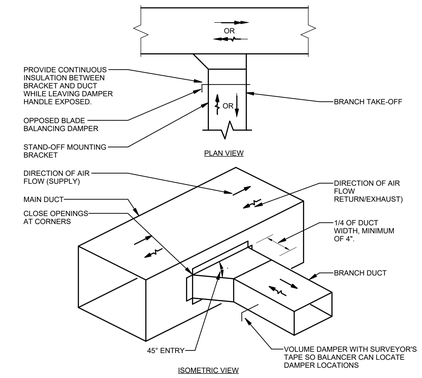
PIPING PLAN

M20-1

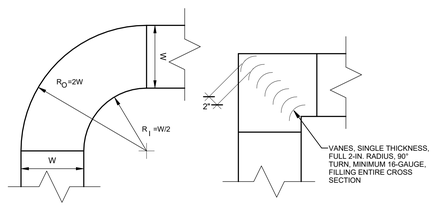


C1 STAND ALONE REHEAT COIL DUCT CONNECTION
NO SCALE



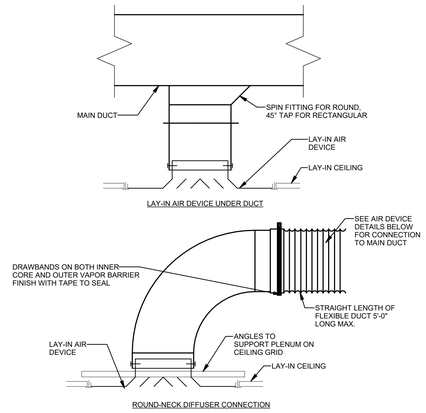
VOLUME DAMPERS:
1) PROVIDE STAND-OFF BRACKETS ON INSULATED DUCTS.
2) INSULATE UNDER BRACKETS, SEAL VAPOR BARRIER TO BRACKETS
3) PROVIDE LOCKING, INDICATING QUADRANTS.

C2 SIDE BRANCH TAKE-OFF
NO SCALE

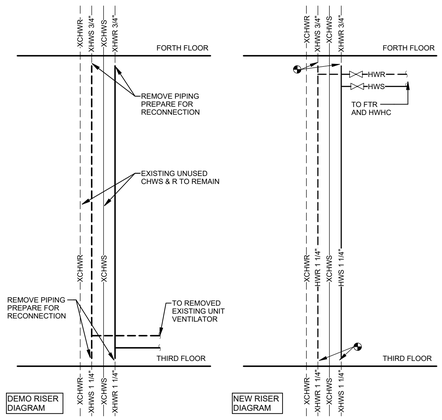


NOTE: USE MITERED ONLY WHERE SPACE IS TOO TIGHT FOR RADIUS, OR WHERE INDICATED ON DRAWINGS.

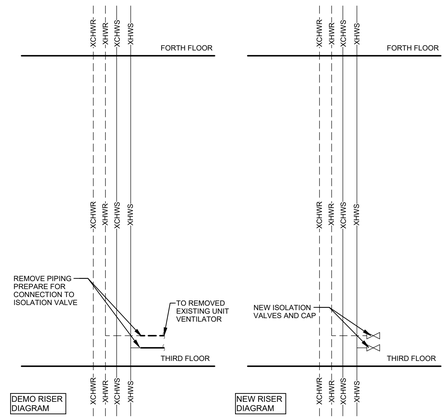
C3 DUCT ELBOW
NO SCALE



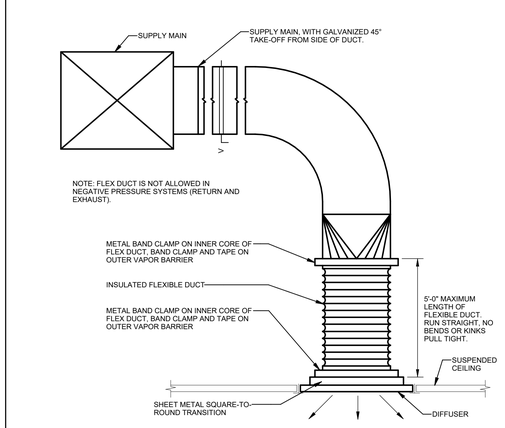
C4 CEILING AIR DEVICE
NO SCALE



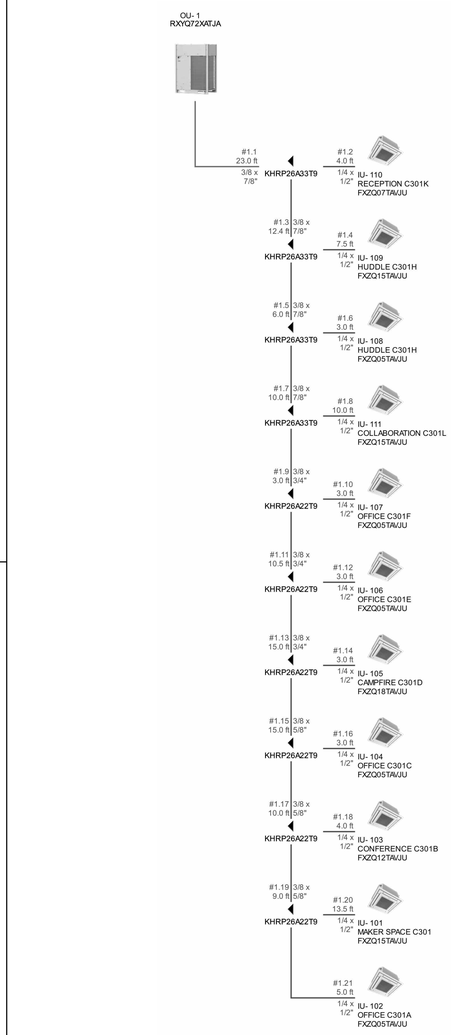
B1 PIPING RISER TYPE 1
NO SCALE



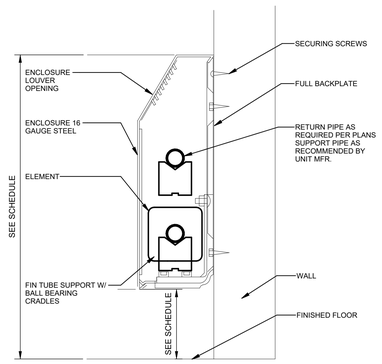
B2 PIPING RISER TYPE 2
NO SCALE



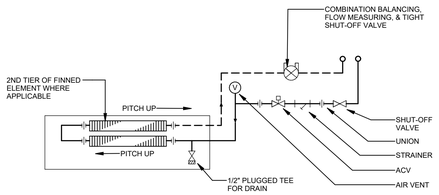
B3 FLEXIBLE CONNECTION
NO SCALE



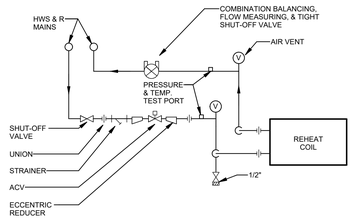
A4 OU-1 PIPING DIAGRAM
NO SCALE



A1 FINTUBE RADIATION WALL MOUNTED
NO SCALE



A2 HOT WATER RADIATION
NO SCALE



A3 HW RHC DIAGRAM 2-WAY VALVE ARRANGEMENT
SCALE: 1/8" = 1'-0"

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CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

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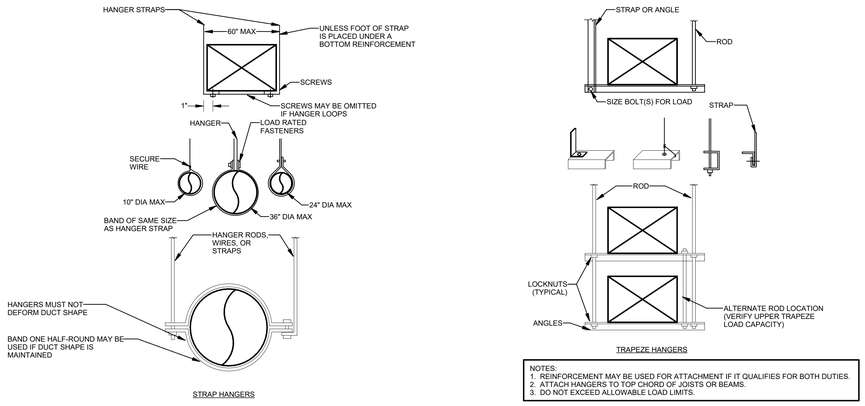
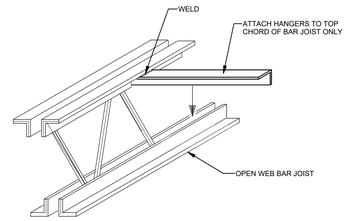
DETAILS

M50-1

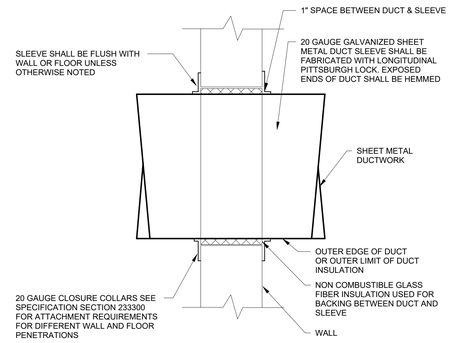


NOTES:
1. REINFORCEMENT MAY BE USED FOR ATTACHMENT IF IT QUALIFIES FOR BOTH DUTIES.
2. ATTACH HANGERS TO TOP CHORD OF JOISTS OR BEAMS.
3. DO NOT EXCEED ALLOWABLE LOAD LIMITS.

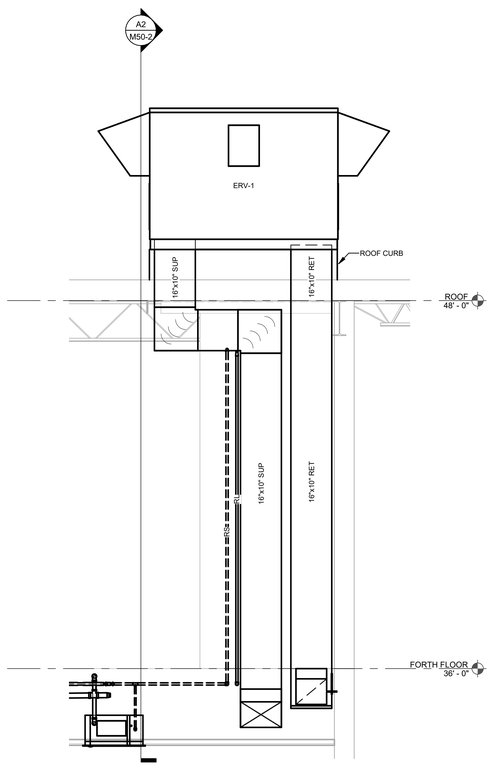
C1 LOWER HANGER ATTACHMENT
NO SCALE



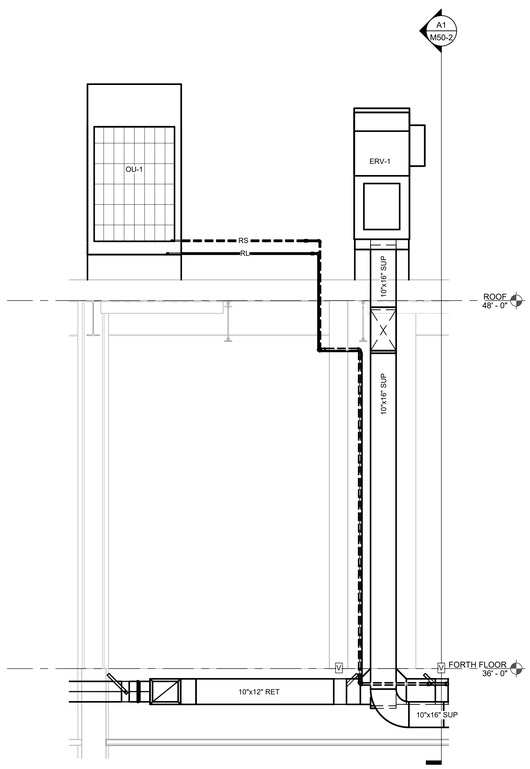
C3 HANGER ATTACHMENTS TO STRUCTURES
NO SCALE



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



A1 CHASE SECTION 1
SCALE: 1/2" = 1'-0"



A2 CHASE SECTION 2
SCALE: 1/2" = 1'-0"

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CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

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DETAILS & SECTIONS

M50-2

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	WEIGHT	SUPPLY FAN			RETURN FAN			OUTDOOR AIR				INDOOR AIR				SUPPLY AIR				FILTER		ELECTRICAL			NOTES
					AIR FLOW (CFM)	ESP (IN.WG)	POWER (KW)	AIR FLOW (CFM)	ESP (IN.WG)	POWER (KW)	SUMMER DB (DEG.F)	SUMMER WB (DEG.F)	WINTER DB (DEG.F)	WINTER WB (DEG.F)	SUMMER DB (DEG.F)	SUMMER WB (DEG.F)	WINTER DB (DEG.F)	WINTER WB (DEG.F)	SUMMER DB (DEG.F)	SUMMER WB (DEG.F)	WINTER DB (DEG.F)	WINTER WB (DEG.F)	FILTER QUANTITY	EFF'Y (%)	VOLTAGE	PHASE	MCA (AMPS)	
ERV-1	OXYGEN 8	B22OU	VENTILATOIN AIR	627	1000	0.75	2	1000	0.75	2	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	-460 °F	MERV-13	85%	208	3	13.83	

VRF INDOOR UNIT

TAG	MANUFACTURER	MODEL	SERVICE	AIRFLOW (CFM)	COOLING (BTU)	HEATING (BTU)	VOLTAGE	PHASE	MCA (AMPS)	MOPD (AMPS)	WEIGHT (LBS)	NOTES
OU-1												
IU-101	DAIKIN	FXZQ15TAVJU	C301 - MAKER SPACE	405	14323	17743	208	1	0.4	15	37	
IU-102	DAIKIN	FXZQ05TAVJU	C301A - OFFICE	300	5455	6824	208	1	0.4	15	36	
IU-103	DAIKIN	FXZQ12TAVJU	C301B - CONFERENCE	353	11425	13990	208	1	0.3	15	37	
IU-104	DAIKIN	FXZQ05TAVJU	C301C - OFFICE	300	5455	6824	208	1	0.3	15	36	
IU-105	DAIKIN	FXZQ18TAVJU	C301D - CAMPFIRE	511	17048	20814	208	1	0.6	15	42	
IU-106	DAIKIN	FXZQ05TAVJU	C301E - OFFICE	300	5455	6824	208	1	0.3	15	36	
IU-107	DAIKIN	FXZQ05TAVJU	C301F - OFFICE	300	5455	6824	208	1	0.3	15	36	
IU-108	DAIKIN	FXZQ05TAVJU	C301G - OFFICE	300	5455	6824	208	1	0.3	15	36	
IU-109	DAIKIN	FXZQ15TAVJU	C301H - HUDDLE	405	14323	17743	208	1	0.4	15	37	
IU-110	DAIKIN	FXZQ07TAVJU	C301K - RECEPTION	307	7161	8872	208	1	0.3	15	36	
IU-111	DAIKIN	FXZQ15TAVJU	C301L - COLLABORATION	300	14323	17743	208	1	0.4	15	37	

VRF OUTDOOR UNITS

TAG	MANUFACTURER	MODEL	VOLTS	PHASE	MCA	MOPD	WEIGHT	NOTES
OU-1	DAIKIN	RXYQ72XATJA	208	3	27.6	35	437	

FINTUBE RADIATION SCHEDULE

TAG	MANUFACTURER	MODEL	PIPE SIZE (IN.)	CAPACITY BTU/FT	FIN DIMENSIONS WxH (IN)	FPF	ROWS	ENCLOSURE DIMENSIONS (W x H) (IN.)	NOTES
A	STERLING	JVB-S' C3/4-433	3/4"	930	3-5/8" x 4-1/4"	32	1	5-5/16" x 14"	

REHEAT COIL SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	CAPACITY (MBH)	AIRFLOW	EAT (DEG.F)	LAT (DEG.F)	APD (IN.WG)	FLOW (GPM)	EWT (DEG.F)	LWT (DEG.F)	WPD (IN.WG)	COIL LENGTH	NOMINAL HEIGHT (IN)	ROWS	NOTES
HWC-1	DAIKIN	5BS0902B	VENTILATOIN AIR	38472 Btu/h	1000	40 °F	75 °F	0.53	3.8 GPM	190 °F	165 °F	2.3	10	15	2	

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Plan North

True North

STATE OF MAINE
DAVID W. STORY
NO. 12653
REGISTERED
PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: JSH

SCHEDULES

M60-1

GENERAL ELECTRICAL NOTES

A. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS. SEE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ELECTRICAL DEVICES AT PATIENT BED HEADWALLS.

B. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATEDON PLAN BY DASHED CONDUIT.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON DRAWINGS EXCEPT FOR ITEMS LISTED IN NOTE G.

E. TV OUTLETS, VOLUME CONTROLS, TELEPHONE OUTLETS, DATA OUTLETS, AND FIRE ALARM DEVICES SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING. SEE STUB UP DETAIL. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED FOR COMPUTER USE.

F. FURNISH AND INSTALL CONDUIT FROM BACK BOXES FOR THE FOLLOWING DEVICES INTO THE ACCESSIBLE CEILING SPACE IN THE CORRIDOR, UNLESS NOTED OTHERWISE:

3/4"C	TV OUTLETS
3/4"C	VOLUME CONTROLS
3/4"C	TELEPHONE OUTLETS
3/4"C	INFORMATION OUTLETS
3/4"C	FIRE ALARM DEVICES

SPECIFIC CODE NOTES

FIRE PROTECTION REQUIREMENTS

A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRESTOPPED WITH A UL APPROVED MATERIAL.

1. CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDED THEY ARE FIRE-STOPPED.

2. OPENINGS FOR STEEL ELECTRICAL BOXES NOT EXCEEDING 16 SQUARE INCHES ARE PERMITTED PROVIDED OPENINGS DO NOT AGGREGATE MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR PARTITION.

3. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES.

B. LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACOUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC SECTION 410.16, MEANS OF SUPPORT.

C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE UL FIRE RATED LABEL. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE UL FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE RATED ENCLOSURE INSTALLED OVER THE FIXTURE THAT MEETS THE REQUIREMENTS OF THE UL FIRE RESISTANCE DIRECTORY.

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)	DC	DIRECT CURRENT	GYP BD	GYPSUM BOARD	MTR	MOTOR, MOTORIZED	SYM	SYMMETRICAL
A	AMPERE	DCP	DOMESTIC WATER CIRCULATING PUMP	HDPG	HIGH DENSITY POLYETHYLENE	N.C.	NORMALLY CLOSED	SYS	SYSTEM
AC	ABOVE COUNTER OR AIR CONDITIONER	DEPT	DEPARTMENT	HOA	HANDS-OFF-AUTOMATIC SWITCH	NEC	NATIONAL ELECTRICAL CODE	TEL	TELEPHONE
AF	AMP FRAME	DET	DETAIL	HP	HORSEPOWER	NEMA	NATIONAL ELECTRICA MANUFACTURER'S ASSOCIATION	TL	TWIST LOCK
AFF	ABOVE FINISHED FLOOR	DIA	DIAMETER	HT	HEIGHT			TR	TAMPER RESISTANT
AFG	ABOVE FINISHED GRADE	DISC	DISCONNECT	HTG	HEATING	NIC	NOT IN CONTRACT	T-STAT	THERMOSTAT
AFI / AFCI	ARC FAULT CIRCUIT INTERRUPTER	DIST	DISTRIBUTION	HTR	HEATER	NL	NIGHT LIGHT	TV	TELEVISION
AHU	AIR HANDLING UNIT	DN	DOWN	HV	HIGH VOLTAGE	N.O.	NORMALLY OPEN	TVSS	TRANSIENT VOLT SURGE SUPRESSOR
AIC	AMPERE INTERRUPTING CAPACITY	DT	DOUBLE THROW	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	NTS	NOT TO SCALE	TYP	TYPICAL
AL	ALUMINUM	DWG	DRAWING	HWP	HYDRONIC WATER PUMP	OH	OVERHEAD	UC	UNDER COUNTER
ALT	ALTERNATE	EC	ELECTRICAL CONTRACTOR	IC	INTERRUPTING CAPACITY	OL	OVERLOADS	UE	UNDERGROUND ELECTRICAL
AMP	AMPERE	EGC	ELECTRICAL GROUNDING CONDUCTOR	IG	ISOLATED GROUND	PA	PUBLIC ADDRESS	UG	UNDERGROUND
AMPL	AMPLIFIER	ELEC	ELECTRIC, ELECTRICAL	IMC	INTERMEDIATE METAL CONDUIT	PB	PULL BOX OR PUSHBUTTON	UH	UNIT HEATER
ANN	ANNUNCIATOR	ELEV	ELEVATOR	IR	INFRARED	PF	POWER FACTOR	UL	UNDERWRITERS LABORATORY
ARCH	ARCHITECT, ARCHITECTURAL	EM	EMERGENCY	IT	INFORMATION TECHNOLOGY	PH	PHASE	UPS	UNINTERRUPTIBLE POWER SUPPLY
AT	AMP TRIP	EMS	ENERGY MANAGEMENT SYSTEM	I/W	INTERLOCK WITH	PNL	PANEL	USB	UNIVERSAL SERIAL BUS
ATS	AUTOMATIC TRANSFER SWITCH	EMT	ELECTRICAL METALLIC TUBING	JB	JUNCTION BOX	PR	PAIR	UT	UNDERGROUND TELEPHONE
AUTO	AUTOMATIC	EQUIP	EQUIPMENT	KCMIL	ONE THOUSAND CIRCULAR MILS	PRI	PRIMARY	UTIL	UTILITY
AUX	AUXILIARY	EV	ELECTRIC VEHICLE	KV	KILOVOLT	PRV	POWER ROOF VENTILATOR	UV	ULTRAVIOLET
AV	AUDIO VISUAL	EWC	ELECTRIC WATER COOLER	KVA	KILOVOLT-AMPERE	PT	POTENTIAL TRANSFORMER	V	VOLT
AWG	AMERICAN WIRE GAUGE	EXIST/EX	EXISTING	KVAR	KILOVOLT-AMPERE REACTIVE	PVC	POLYVINYL CHLORIDE (CONDUIT)	VA	VOLT-AMPERES
BATT	BATTERY	EXH	EXHAUST	KW	KILOWATT	PWR	POWER	VERT	VERTICAL
BLDG	BUILDING	FA	FIRE ALARM	KWH	KILOWATT HOUR	QUAN	QUANTITY	VFD	VARIABLE FREQUENCY DRIVE
BMS	BUILDING MANAGEMENT SYSTEM	FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL	LTG	LIGHTING	RCPT	RECEPTACLE	VOL	VOLUME
C	CONDUIT	FACP	FIRE ALARM CONTROL PANEL	LV	LOW VOLTAGE	REQD	REQUIRED	W	WATT
CAB	CABINET	FCU	FAN COIL UNIT	MAX	MAXIMUM	RM	ROOM	WH	WITH
CAT	CATALOG	FC	FOOT CANDLE	MC	MECHANICAL CONTRACTOR	RSC	RIGID STEEL CONDUIT	WG	WIRE GUARD
CATV	COMMUNITY ANTENNA TELEVISION	FIXT	FIXTURE	MCB	MAIN CIRCUIT BREAKER	RTU	ROOF TOP UNIT	WH	WATER HEATER
CB	CIRCUIT BREAKER	FLA	FULL LOAD AMPS	MCC	MOTOR CONTROL CENTER	SC	SURFACE CONDUIT	W/O	WITHOUT
CCTV	CLOSED CIRCUIT TELEVISION	FLR	FLOOR	MDP	MAIN DISTRIBUTION PANEL	SEC	SECONDARY	WP	WEATHERPROOF
CKT	CIRCUIT	FU	FUSE	MFR	MANUFACTURER	SHT	SHEET	XFMR	TRANSFORMER
CLG	CEILING	FT	FOOT	MH	MANHOLE	SIM	SIMILAR	XP	EXPLOSION PROOF
COMB	COMBINATION	GA	GAUGE	MI	MINERAL INSULATED	SPEC	SPECIFICATION	∠	ANGLE
CONT	CONTINUATION OR CONTINUOUS	GAL	GALLON	MIC	MICROPHONE	SPKR	SPEAKER	@	AT
CP	CIRCULATING PUMP	GALV	GALVANIZED	MIN	MINIMUM	SP	SPARE	Δ	DELTA
CRT	CATHODE-RAY TUBE	GC	GENERAL CONTRACTOR	MISC	MISCELLANEOUS	SPD	SURGE PROTECTION DEVICE	Y	WYE
CT	CURRENT TRANSFORMER	GEC	GROUND ELECTRODE CONDUCTOR	MLO	MAIN LUGS ONLY	SS	STAINLESS STEEL	'	FEET
CTR	CENTER	GEN	GENERATOR	MOCP	MAXIMUM OVER CURRENT PROTECTION	S/S	STOP/START PUSHBUTTONS	"	INCHES
CU	COPPER	GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MSBD	MAIN SWITCHBOARD	STA	STATION	#	NUMBER
DB	DECIBEL	GFP	GROUND FAULT PROTECTOR	MT	MOUNT	STD	STANDARD	Ø	PHASE
		GND	GROUND	MT.C	EMPTY CONDUIT	SW	SWITCH	℄	CENTER LINE
		GRS	GALVANIZED RIGID STEEL (CONDUIT)	MTS	MANUAL TRANSFER SWITCH	SWBD	SWITCHBOARD	℘	PLATE

ELECTRICAL LOAD JUSTIFICATION

EXISTING MECHANICAL LOAD REMOVED:	3390 KVA
REPLACEMENT MECHANICAL LOAD ADDED:	15928 KVA
GENERAL RECEPT / LTG LOAD ADDED:	13395 KVA
TOTAL LOAD CHANGE:	25933 KVA (INCREASE)

***LOAD JUSTIFICATION BASED ON EXISTING MECHANICAL EQUIPMENT NAMEPLATE DATA OBSERVED IN THE FIELD AND / OR EXISTING ELECTRICAL PLANS VS PROPOSED REPLACEMENT UNIT ELECTRICAL DATA. LOAD JUSTIFICATION KVA SHOWN IS LIMITED TO POWER USERS WITHIN PROJECT SCOPE.*

ELECTRICAL SYMBOL NOTES

THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.

A 12b — EXAMPLE 1: LIGHTING FIXTURE TYPE "A" IS CONNECTED TO CIRCUIT 12 AND CONTROLLED BY SWITCH "b".

P2D1 2aba — EXAMPLE 2: THE FIXTURE TYPE SHOWN AS A NUMERATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE THE SAME TYPE. THE CIRCUIT NUMBER AND SWITCH DESIGNATION SHOWN AS A DENOMINATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE CONNECTED TO THE SAME CIRCUIT, CONTROLLED BY THE SAME SWITCHES, CENTER/OUTBOARD MULTILEVEL SWITCHING.

E 14 — EXIT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "E" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO CIRCUIT 14.

16c — DEVICES. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO CIRCUIT 16 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH "c".

d — THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "d" TO CONTROL LIGHTING FIXTURES INDICATED BY "d".

D600 e — WALL BOX DIMMER WITH SIZE AS INDICATED AT DEVICE. EXAMPLE: 600 WATT WALL BOX DIMMER TO CONTROL LIGHTING FIXTURES INDICATED BY "e". SEE SPECIFICATIONS FOR WATTAGE IF NOT INDICATED.

1,3,5 — SPECIAL CONNECTIONS. THE EQUIPMENT IS INDICATED BY A NUMBER IN A CIRCLE. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE LOAD DESCRIPTION AND TYPE OF CONNECTION. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: EQUIPMENT NO. 1; 3 PHASE CONNECTION TO CIRCUITS 1, 3, 5.

SF-1 2,4,6 — MOTOR CONNECTIONS. THE MOTOR IS INDICATED BY A NUMBER WITHIN OR CHARACTERS ADJACENT TO THE MOTOR SYMBOL. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE MOTOR DESCRIPTION AND ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: MOTOR SF-1; 3 PHASE CONNECTION TO CIRCUITS 2, 4, 6.

7,9 H1 — ELECTRIC HEATER CONNECTIONS. THE HEATER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "H". SEE THE HEATER SCHEDULE FOR ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE HEATER. EXAMPLE: ELECTRIC BASEBOARD HEATER TYPE "H1" CONNECTED TO CIRCUITS 7, 9.

T1 — TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1".

LPN-102 — PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.

P01 — SPECIAL NOTE. SEE THE SPECIAL NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE RECTANGLE.

LPN-1,3,5 — HOME RUN TO BRANCH CIRCUIT PANELBOARD. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD LPN; CIRCUITS 1, 3, 5.

LPN-1 — DEVICE CIRCUIT DESIGNATION, TYPICAL ALL ELECTRICAL DEVICES. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: PANELBOARD LPN; CIRCUIT 1.

LINEWEIGHT INDICATES EXISTING TO REMAIN.

LINEWEIGHT INDICATES NEW WORK.

LINEWEIGHT INDICATES DEMOLISH.

ELECTRICAL SYMBOL LEGEND

HEIGHT AFF	SYMBOL	DESCRIPTION
	LP-1,3	CIRCUIT HOMERUN TO PANELBOARD
		CIRCUIT NUMBER(S)
		PANELBOARD NAME
		WIRING CONCEALED IN WALL OR CEILING
		WIRING IN RACEWAY CONCEALED UNDER FLOOR / UNDERGROUND
		CABLE TRAY WITH FITTINGS AS SHOWN (TYPE AS DENOTED)
48"	$	SINGLE POLE SWITCH. WHERE SHOWN SERVING EQUIPMENT, LOCATE ABOVE ACCESSIBLE CEILING DIRECTLY ABOVE EQUIPMENT
48"		
48"	$	LIGHTING CONTROL WALL STATION. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
48"	$3	3-WAY LIGHTING CONTROL WALL STATION. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
48"	$4	4-WAY LIGHTING CONTROL WALL STATION. MOUNT C/L UP 46" UNLESS OTHERWISE NOTED.
		CEILING OCCUPANCY SENSOR AND POWER PACK. PROVIDE NUMBER OF POWER PACKS REQUIRED TO ALLOW FOR NUMBER OF OCCUPANCY SENSORS AND SWITCHING SHOWN
	BATT	EXTERNAL LIGHTING BATTERY / INVERTER UNIT. CEILING OR WALL MOUNTED - SEE DRAWINGS.
	LV-XX	LIGHTING CONTROL RELAY PANEL.
	TC	TIME CLOCK LIGHTING CONTROL UNIT.
		EXIT SIGN WITH ARROWS AS INDICATED AND HATCH INDICATING FACE - CEILING MOUNTED
		EXIT SIGN WITH ARROWS AS INDICATED AND HATCH INDICATING FACE - WALL MOUNTED C/L UP 18 " ABOVE DOOR
		LIGHTING FIXTURE W/ EMERGENCY BACKUP (TYP ALL TYPES)
		SURFACE LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		PENDANT LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		STRIP LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		1 x 4 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		2 x 4 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		2 x 2 RECESSED LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
AS NOTED		WALL PACK LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
AS NOTED		SCONCE LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
90"		EMERGENCY BATTERY PACK LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
		RECESSED DOWNLIGHT FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
24"		STANDARD DUPLEX RECEPTACLE
	AC	STANDARD DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
	AC	GFCI DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
24"		GFCI DUPLEX RECEPTACLE
24"	WP	WEATHER PROOF DUPLEX RECEPTACLE.
24"		STANDARD DOUBLE DUPLEX RECEPTACLE
	AC	STANDARD DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
	AC	GFCI DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER.
24"		GFCI DOUBLE DUPLEX RECEPTACLE
24"	WP	WEATHER PROOF DOUBLE DUPLEX RECEPTACLE.
	$M	MOTOR HORSEPOWER RATED SWITCH - COORDINATE MTG HEIGHT WITH EQUIP UNLESS OTHERWISE NOTED.
	h	SAFETY DISCONNECT SWITCH (FUSED) - COORDINATE FUSES WITH EQUIPMENT FURNISHED.
	h	SAFETY DISCONNECT SWITCH (NON-FUSED)
		FLOOR RECEPTACLE. (DUPLEX SHOWN)
	VFD	VARIABLE FREQUENCY DRIVE
	CP	CONTROL PANEL - TYPE AS NOTED ON DRAWINGS.
	J	JUNCTION BOX (WALL MOUNTED)
		DISTRIBUTION PANELBOARD - 208/120V (SEE PANEL SCHEDULES FOR DETAILS)
	MP	MOTOR - HORSE POWER AND EQUIPMENT SERVED AS NOTED ON PLANS
		EMERGENCY SHUTDOWN PUSHBUTTON
	AIM	FIRE ALARM ADDESSABLE INPUT MODULE
	AOM	FIRE ALARM ADDESSABLE OUTPUT MODULE
	FACP	FIRE ALARM CONTROL PANEL
	F	FIRE ALARM PULL STATION
94"	cd	FIRE ALARM SPEAKER STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
94"	cd	FIRE ALARM HORN STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
94"	cd	FIRE ALARM STROBE (CANDELA POWER PER NFPA 72; 15/75 WHERE NOT OTHERWISE INDICATED)
		FIRE ALARM SYSTEM SMOKE DETECTOR (CEILING)
		SPEAKER - CEILING MOUNTED
		SPEAKER - WALL MOUNTED
		CLOCK - WALL MOUNTED
		VOICE AND DATA OUTLET. MOUNT AT MATCHING HEIGHT AS RECEPTACLE UNLESS OTHERWISE NOTED
48"	AC	VOICE AND DATA OUTLET - ABOVE COUNTER
48"	W	WALL PHONE OUTLET. COORDINATE MOUNTING HEIGHT WITH PHONE UNIT
		AV OUTLET - MOUNTING HEIGHT AS NOTED ON PLANS
	REQ	REQUEST FOR EXIT
48"		KEYPAD
		DOOR CONTACTS
		MAGNETIC LOCK
		ELECTRIC STRIKE
48"		CARD READER
		WIRELESS ACCESS POINT
		CCTV CAMERA

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0" 1"
(scale measures 1" when plotted at full size)

STATE OF MAINE
CHELSEA L. HADSEL
No. 17097
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ATB

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E00-1

GENERAL SHEET NOTES

A. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.

B. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

C. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

D. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

E. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

F. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.

G DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).

H. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

I. THE INTENT OF THIS PLAN IS TO DOCUMENT EXISTING CONDITIONS AND SCOPE OF DEMOLITION, HOWEVER ALL ELECTRICAL DEVICES MAY NOT BE INDICATED ON THE DRAWINGS. FIELD VERIFY ALL CONDITIONS AND ADJUST WORK TO SUIT ALL FOUND.

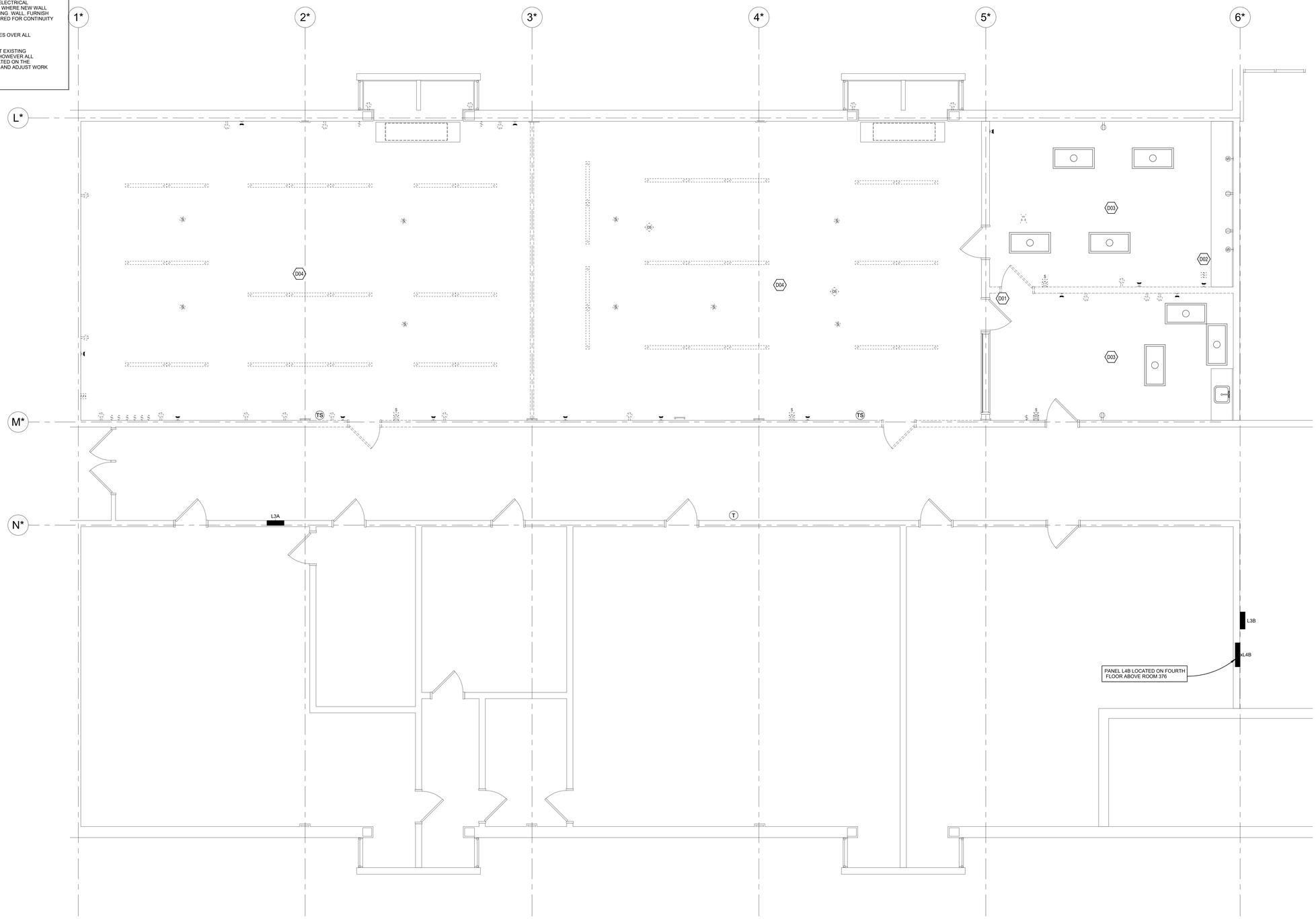
KEYED SHEET NOTES

D01...
COMPLETELY REMOVE AND DEMOLISH POWER POLE LOCATED IN CORNER OF ROOM.

D02...
REMOVE AND SALVAGE EXISTING AV CONTROLS FOR REINSTALLATION UNDER NEW WORK. PRESERVE ALL CONTROL WIRING ABOVE CEILING FOR EXTENSTION TO NEW LOCATION. SEE SHEET E20-3.

D03...
LIGHTING IN THIS AREA SHALL REMAIN. ALL DEVICES NOT INSTALLED ON DIVIDING WALL SHALL REMAIN. DEVICES ON DIVIDING WALL SHALL BE COMPLETELY REMOVED AND DEMOLISHED.

D04...
DEMOLISH ALL LIGHTING AND DEVICES IN THIS AREA. LIGHTING SHALL BE SALVAGED FOR FUTURE REINSTALLATION.



1 THIRD FLOOR - ELECTRICAL DEMO
SCALE: 1/4" = 1'-0"

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RENOVATION

GORHAM, MAINE

Harriman Project No.	22211

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0" 1"
(scale measures 1" when plotted at full size)

STATE OF MAINE
CHELSEA L. HADSEL
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LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ATB

THIRD FLOOR PLAN
DEMOLITION

E01-3

Existing Panel: xL4B

Location: Space 124
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 400 A
MCB Rating: 225 A

Notes:
ALL LOADS SHOWN ON EXISTING PANEL SCHEDULE ARE BASED ON EXISTING CIRCUIT DIRECTORY CARD. LOAD VA ARE UNKNOWN AND ARE THEREFORE NOT INCLUDED IN LOAD TABULATION.

CKT	Load Name	Trip	Poles	A		B		C		Poles	Trip	Load Name	CKT
1				0 VA	0 VA					1	15 A	SPARE	2
3	PANEL C1	100 A	3			0 VA	0 VA			1	15 A	SPARE	4
5								0 VA	0 VA	1	15 A	SPARE	6
7				0 VA	0 VA								8
9	SPARE	100 A	3			0 VA	0 VA			3	100 A	SPARE	10
11								0 VA	0 VA				12
13				0 VA	0 VA								14
15	AC ROOF B	30 A	3			0 VA	0 VA			3	100 A	SPARE	16
17								0 VA	0 VA				18
19				0 VA	0 VA					1	20 A	P-2	20
21	AC ROOF A	30 A	3			0 VA	0 VA						22
23								0 VA	0 VA	3	20 A	P-1	24
25	UNITVENTS 405/406	20 A	1	0 VA	0 VA								26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	OUTLET BY PANEL	28
29	ROOM 407/408 AIR COND ROOFTOP	30 A	2					0 VA	0 VA	2	20 A	SPLIT AC 5TH FLR	30
31				0 VA	0 VA								32
33	ROOM 302 AC UNIT ROOFTOP	40 A	2			0 VA	0 VA						34
35								0 VA	0 VA	2	30 A	CU-3 & AC-3	36
37	3RD FLR UPC REC	20 A	1	0 VA	0 VA					1	20 A	C132 TELCOM OUTLET	38
39	CU-2 & AC-2	30 A	2			0 VA	0 VA			1	20 A	C132 TELCOM OUTLET	40
41								0 VA	0 VA	1	20 A	C412 TELCOM OUTLET	42
		Total Load:		0 VA		0 VA		0 VA					
		Total Amps:		0 A		0 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

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Harriman Project No.	22211

Graphic Scale
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STATE OF MAINE
CHELSEA L. HADSEL
No. 17097
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

NOVEMBER 21, 2022

Revision Date	Revision Description

Drawn by: ATB

EXISTING PANELBOARD SCHEDULES

E06-1

GENERAL SHEET NOTES

A. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH MAXIMUM 6' LONG FLEXIBLE METAL CONDUIT.

B. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.

C. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.

D. WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.

E. MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED. THE SHARING OF NEUTRALS IS PROHIBITED.

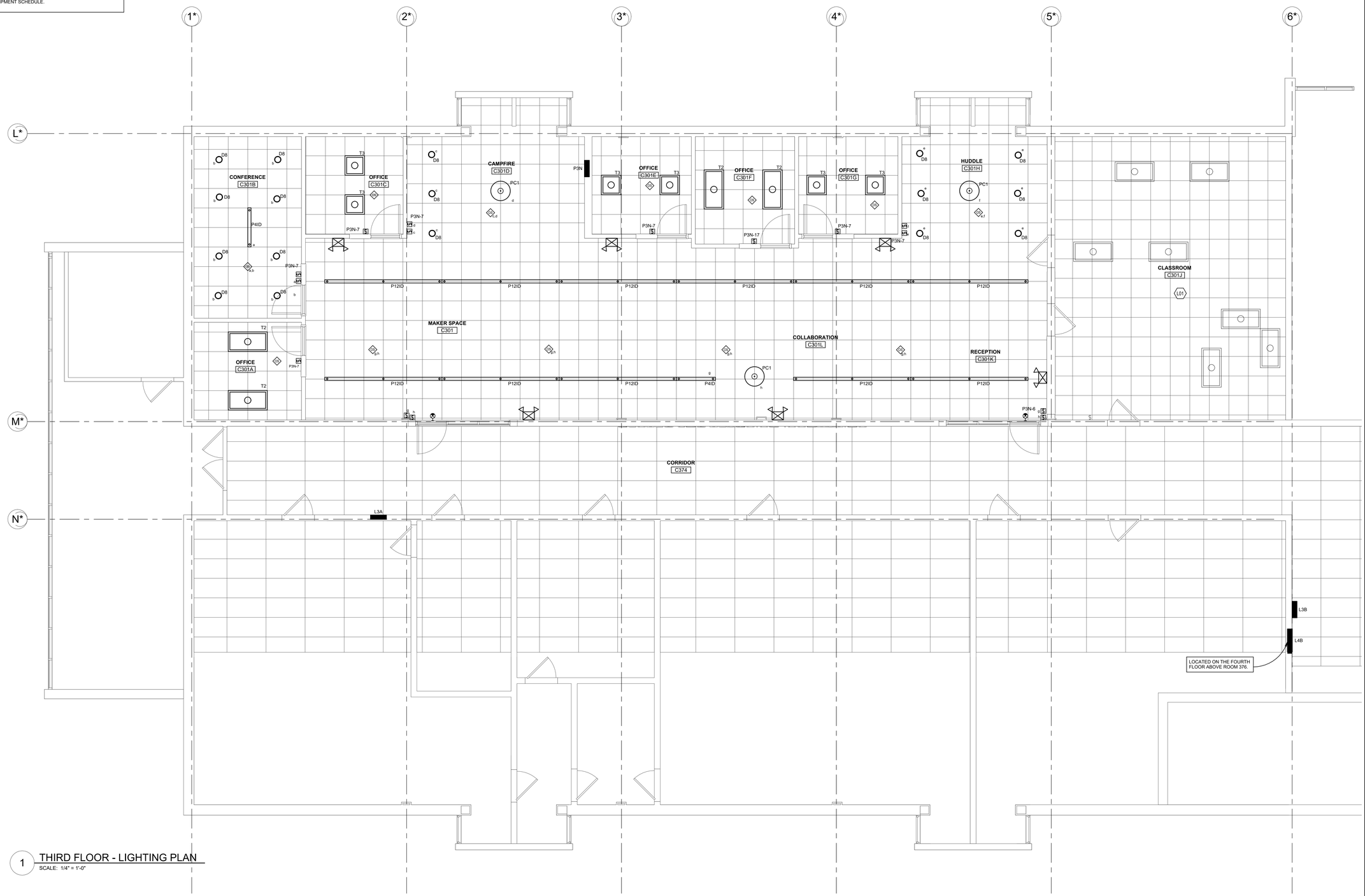
F. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.

G. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN. THE SHARING OF NEUTRALS IS PROHIBITED.

H. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

KEYED SHEET NOTES

L01.. ALL LIGHTING AND ASSOCIATED WIRING AND SWITCHING IN THIS ROOM SHALL REMAIN.



1 THIRD FLOOR - LIGHTING PLAN
SCALE: 1/4" = 1'-0"

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THIRD FLOOR PLAN
LIGHTING

E10-3

GENERAL SHEET NOTES

A. WHERE CONNECTED TO A 20A. BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.

B. PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED AND GRADE MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 4% AIR ENTRAINED, POLYFIBER REINFORCED CONCRETE, 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT. REFER TO ELECTRICAL DETAIL DRAWINGS FOR TRANSFORMER, GENERATOR, OR SWITCHGEARPADS THAT MAY EXCEED THESE REQUIREMENTS.

C. WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.

D. MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED. THE SHARING OF NEUTRALS IS PROHIBITED.

E. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.

F. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN. THE SHARING OF NEUTRALS IS PROHIBITED.

G. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING,UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

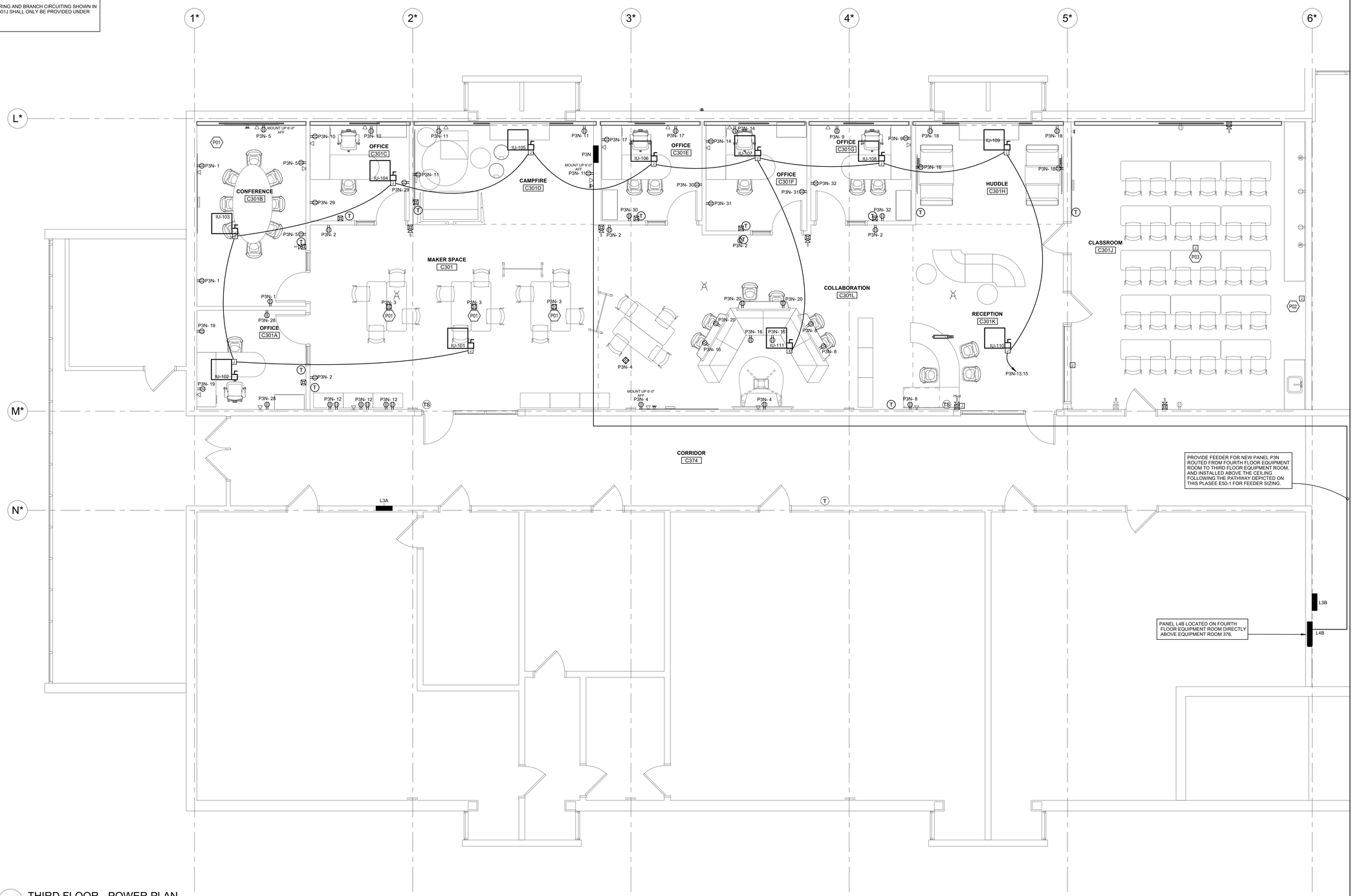
H. ALL DEVICE, WIRING AND BRANCH CIRCUITING SHOWN IN CLASSROOM C301J SHALL ONLY BE PROVIDED UNDER ALTERNATE #1.

KEYED SHEET NOTES

P01...
PROVIDE FLAT, SURFACE MOUNTED RACEWAY ON TOP OF FLOOR FOR POWER FEEDERS TO CONFERENCE TABLES.

P02...
REINSTALL EXISTING AV CONTROL PANEL IN WALL. RECONNECT TO EXISTING WIRING.

P03...REORIENT EXISTING PROJECTOR TOWARD EXTERIOR WALL (SHEET VIEW NORTH).



1 THIRD FLOOR - POWER PLAN
SCALE: 1/4" = 1'-0"

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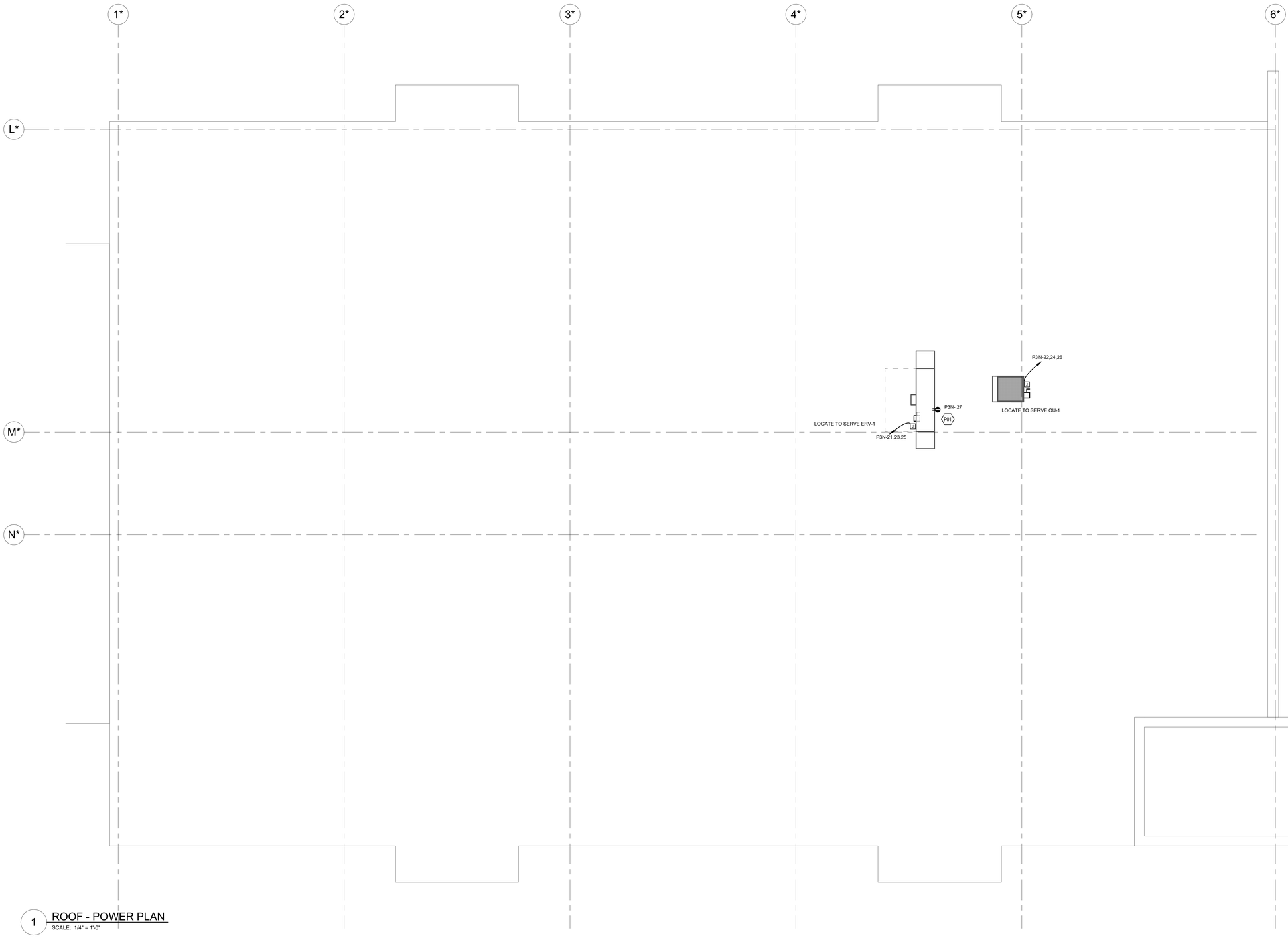
THIRD FLOOR PLAN
POWER AND SYSTEMS

E20-3

KEYED SHEET NOTES

P01..
PROVIDE GFCI RECEPTACLE WITH WEATHER COVER AND MOUNT TO STAINLESS STEEL UNISTRUT ASSEMBLY ADJACENT TO MECHANICAL EQUIPMENT PER NEC 210.63.



1 ROOF - POWER PLAN
SCALE: 1/4" = 1'-0"

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ROOF PLAN POWER AND SYSTEMS

E20-4

1 ELECTRICAL RISER DIAGRAM
NO SCALE

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POWER RISER DIAGRAM

E50-1

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LENS	MOUNTING	LAMP	VOLT	WATT	MFR	CATALOG SERIES	NOTES	APPROVED MANUFACTURERS
D8	6" RECESSED LED DOWNLIGHT, 1500 LUMENS, 3500K, MEDIUM / WIDE DISTRIBUTION, CLEAR MATTE REFLECTOR, 0-10 DIMMING DOWN TO 10%, WHITE FLANGE	CLEAR MATTE DIFFUSED	RECESSED	LED	120 V	19 W	GOTHAM	EVO6-35/15-AR-MWD-LD-MVOLT-GZ10-TRW		PORTFOLIO, PRESCOLITE
EM	SURFACE MOUNT LED EMERGENCY BATTERY PACK		SURFACE	LED	120 V	20 W	TBD			
P4ID	PENDANT - 4'-0" DIRECT / INDIRECT LINEAR - 538 LM/FT UPLIGHT, 379LM/FT DOWNLIGHT, 80CRI, 3500K, TOP GLOW UPLIGHT OPTICS, FLUSH DOWNLIGHT OPTICS, 0-10 DIMMING DOWN TO 10%, WHITE FINISH.	LOW GLOSS WHITE	PENDANT	LED	120 V	32 W	FINELITE	HP4P-ID-4'-B-S-835-TG-F-96LG-UNV-SC-FC10%-FA-*-FE-SW		AXIS, NULITE, DAYOLITE, OR MARK ARCHITECTURAL
P12ID	PENDANT - 12'-0" DIRECT / INDIRECT LINEAR - 538 LM/FT UPLIGHT, 379LM/FT DOWNLIGHT, 80CRI, 3500K, TOP GLOW UPLIGHT OPTICS, FLUSH DOWNLIGHT OPTICS, 0-10 DIMMING DOWN TO/ 10%, WHITE FINISH.	LOW GLOSS WHITE	PENDANT	LED	120 V	97 W	FINELITE	HP4P-ID-12'-B-S-835-TG-F-96LG-UNV-SC-FC10%-FA-*-FE-SW		AXIS, NULITE, DAYOLITE, OR MARK ARCHITECTURAL
PC1	CYLINDRICAL PENDANT FIXTURE	OPAL	PENDANT	LED	120 V	50 W	BARBICAN	30D-10H-ACW-HTO-120V-WHT-3500K-90CRI-DB(0-10V)		TBD
T2	2'X4' LED VOLUMETRIC TROFFER, 4000 LUMENS, 80CRI, 3500K, 0-10 DIMMING DOWN TO 1%	ACRYLIC LINEAR PRISMATIC	RECESSED	LED	120 V	40 W	LITHONIA	2VTL4 40L ADP MVOLT EZ1 LP835		METALUX, DAYBRITE, COLUMBIA
T3	2'x2' LED VOLUMETRIC TROFFER, 3300 LUMENS, 80CRI, 3500K, 0-10 DIMMING DOWN TO 1%	ACRYLIC LINEAR PRISMATIC	RECESSED	LED	120 V	38 W	COLUMBIA	2VTL2 33L ADP MVOLT EZ1 LP835		METALUX, DAYBRITE, COLUMBIA

Branch Panel: L4B

Location: Space 124
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 400 A
MCB Rating: 225 A

Notes:

CKT	Load Name	Trip	Poles	A		B		C		Poles	Trip	Load Name	CKT
1				0 VA	0 VA					1	15 A	SPARE	2
3	PANEL C1	100 A	3			0 VA	0 VA			1	15 A	SPARE	4
5								0 VA	0 VA	1	15 A	SPARE	6
7				0 VA	1011...								**8**
9	SPARE	100 A	3			0 VA	9102...			**3**	**20 A**	**P3N**	**10**
11								0 VA	9976...				**12**
13				0 VA	0 VA								14
15	AC ROOF B	30 A	3			0 VA	0 VA			3	100 A	SPARE	16
17								0 VA	0 VA				18
19				0 VA	0 VA					1	20 A	SPARE	20
21	AC ROOF A	30 A	3			0 VA	0 VA						22
23								0 VA	0 VA	3	20 A	P-1	24
25	UNIT VENTS 405/406	20 A	1	0 VA	0 VA								26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	OUTLET BY PANEL	28
29	ROOM 407/408 AIR COND ROOFTOP	30 A	2					0 VA	0 VA	2	20 A	SPLIT AC UNIT 5TH FLR	30
31				0 VA	0 VA								32
33	ROOM 302 AC UNIT ROOFTOP	40 A	2			0 VA	0 VA			2	30 A	CU-3 & AC-3	34
35								0 VA	0 VA				36
37	3RD FLR UPC REC	20 A	1	0 VA	0 VA					1	20 A	C132 TELCOM OUTLET	38
39	CU-2 & AC-2	30 A	2			0 VA	0 VA			1	20 A	C132 TELCOM OUTLET	40
41								0 VA	0 VA	1	20 A	C412 TELCOM OUTLET	42
		Total Load:		10111 VA		9102 VA		9976 VA					
		Total Amps:		85 A		76 A		84 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	15928 VA	100.00%	15928 VA		
RCPT	11719 VA	92.66%	10860 VA	**Total Conn. Load:**	29157 VA
LITES	2028 VA	125.00%	2535 VA	**Total Est. Demand:**	28826 VA
				Total Conn.:	81 A
				Total Est. Demand:	80 A

Notes:

Branch Panel: P3N

Location: CAMPFIRE C301D
Supply From: L4B
Mounting: Recessed
Enclosure: Type 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10kAIC
Mains Type: MLO
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RCPT - CONFERENCE C301B W	20 A	1	540 VA	900 VA					1	20 A	RCPT - MAKER SPACE C301	2
3	RCPT - MAKER SPACE C301 FLOOR BOXES	20 A	1			1199...	740 VA			1	20 A	RCPT - COLLAB TV & FLOOR BOXES	4
5	RCPT - CONFERENCE C301B E	20 A	1					540 VA	1163...	1	20 A	LTG - COLLABORATION C301L	6
7	LTG - C301 OFFICES/HUDDLE/CAMPFIRE	20 A	1	877 VA	540 VA					1	20 A	RCPT - COLLAB C301L & RECEPTION C301K	8
9	RCPT - OFFICE C301G	20 A	1			360 VA	360 VA			1	20 A	RCPT - OFFICE C301C	10
11	RCPT - CAMPFIRE C301D	20 A	1					720 VA	1080...	1	20 A	RCPT MAKER SPACE C301	12
13	IU UNITS	15 A	2	605 VA	360 VA					1	20 A	RCPT - OFFICE C301F	14
15						605 VA	540 VA			1	20 A	RCPT - COLLABORATION C301L	16
17	RCPT - OFFICE C301E	20 A	1					360 VA	720 VA	1	20 A	RCPT - HUDDLE C301H	18
19	RCPT - OFFICE C301A	20 A	1	360 VA	540 VA					1	20 A	RCPT - COLLABORATION C301L	20
21						1595...	3311...						22
23	ERV-1	20 A	3					1595...	3311...	3	35 A	OU-1	24
25				1595...	3311...								26
27	RCPT - ROOFTOP	20 A	1			180 VA	360 VA			1	20 A	RCPT OFFICE C301A	28
29	RCPT OFFICE C301C	20 A	1					360 VA	360 VA	1	20 A	RCPT OFFICE C301E	30
31	RCPT OFFICE C301F	20 A	1	360 VA	360 VA					1	20 A	RCPT OFFICE C301G	32
33													34
35													36
37													38
39													40
41													42
		Total Load:		10111 VA		9102 VA		9976 VA					
		Total Amps:		85 A		76 A		84 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	15928 VA	100.00%	15928 VA		
RCPT	11719 VA	92.66%	10860 VA	**Total Conn. Load:**	29157 VA
LITES	2028 VA	125.00%	2535 VA	**Total Est. Demand:**	28826 VA
				Total Conn.:	81 A
				Total Est. Demand:	80 A

Notes:

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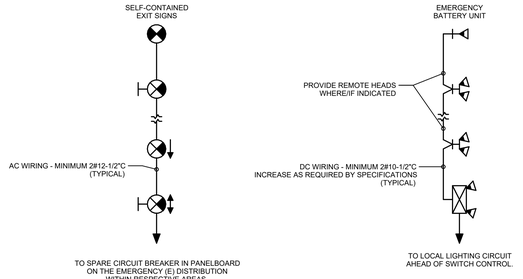
PANELBOARD
SCHEDULES

E60-1



7 EXIT SIGN AND EMERGENCY BATTERY UNIT WIRING

NO SCALE

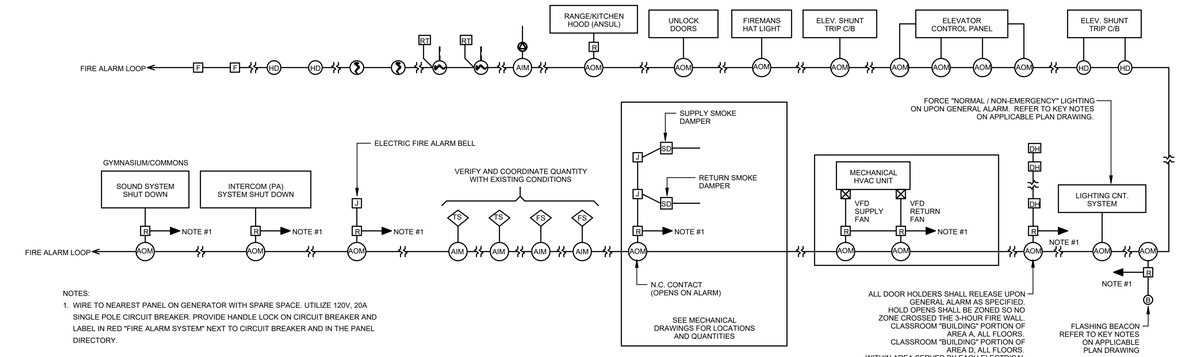
PATHWAYS INSTALLED TO CARRY TELECOMMUNICATIONS CABLES SHALL GIVE CONSIDERATION TO NOISE SOURCES SUCH AS POWER WIRING, RADIO FREQUENCY (RF) SOURCES, MOTORS, GENERATORS, INDUCTION HEATERS, ARC WELDERS, TRANSFORMERS, LIGHTING FIXTURE BALLAST/DRIVER, ETC..

1. TELECOMMUNICATIONS CABLES SHALL CROSS POWER CONDUCTORS IN A PERPENDICULAR ORIENTATION AND AT A MINIMUM DISTANCE OF 6 INCHES.
2. TELECOMMUNICATIONS PATHWAYS SHALL RUN A MINIMUM OF 6" FROM A LIGHTING FIXTURE BALLAST/DRIVER UNLESS OTHERWISE INDICATED.
3. TELECOMMUNICATIONS PATHWAYS WHICH RUN PARALLEL TO POWER CONDUCTORS SHALL MAINTAIN THE FOLLOWING MINIMUM DISTANCE SEPARATION:

CONDITION	MINIMUM REQUIRED SEPARATION			
	120V <20A	120/208V <20A	120/208V >20A	277/480V
POWER CONDUCTORS IN TRAY, TELECOM CONDUCTORS IN TRAY OR AIR	12"	18"	24"	36"
POWER CONDUCTORS IN TRAY, TELECOM CONDUCTORS IN METAL CONDUIT	9"	12"	18"	24"
POWER CONDUCTORS IN METAL CONDUIT, TELECOM CONDUCTORS IN TRAY OR AIR	9"	12"	18"	24"
POWER CONDUCTORS IN METAL CONDUIT, TELECOM CONDUCTORS IN METAL CONDUIT OR WIREWAY	4"	9"	12"	24"

5 SEPERATION OF TELECOMMUNICATION CABLES FROM ELECTRICAL ITEMS

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

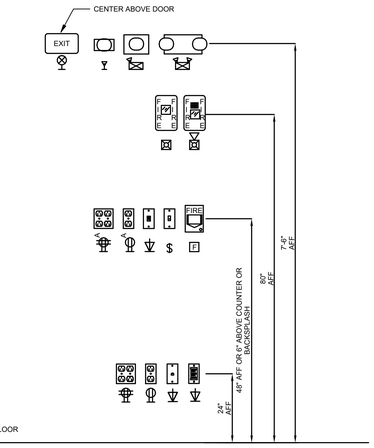


NOTES:

1. WIRE TO NEAREST PANEL ON GENERATOR WITH SPARE SPACE. UTILIZE 120V, 20A SINGLE POLE CIRCUIT BREAKER. PROVIDE HANDLE LOCK ON CIRCUIT BREAKER AND LABEL IN RED "FIRE ALARM SYSTEM" NEXT TO CIRCUIT BREAKER AND IN THE PANEL DIRECTORY.
2. FAPS (FIRE ALARM POWER SUPPLY) ARE SHOWN IN ELECTRICAL ROOMS. PROVIDE THE NUMBER OF FAPS UNITS REQUIRED TO SERVE APPLIANCES SHOWN PLUS SPARE CAPACITY AS SPECIFIED.
3. VERIFY LOCATION AND QUANTITY OF ALL SMOKE DAMPERS WITH THE MECHANICAL DUCTWORK DRAWINGS. SEE THE DUCTWORK DRAWINGS TO ASSOCIATE THE SMOKE DAMPERS WITH EACH AIR HANDLING UNIT FOR GROUPING. SMOKE DAMPERS SHALL BE CONTROLLED AS A GROUP PER AIR HANDLING UNIT SERVED. DAMPERS TAGGED AS FD/SD ARE A COMBINATION FIRE AND SMOKE DAMPER AND ARE TO BE TREATED/CONTROLLED THE SAME AS A SMOKE DAMPER.
4. THE SHUTDOWN OF HVAC EQUIPMENT AND CLOSING OF ALL SMOKE DAMPERS SHALL BE DONE DIRECTLY FROM THE FIRE ALARM SYSTEM AND NOT VIA THE DIVISION 23 AUTOMATIC TEMPERATURE CONTROLS (ATC) SYSTEM.

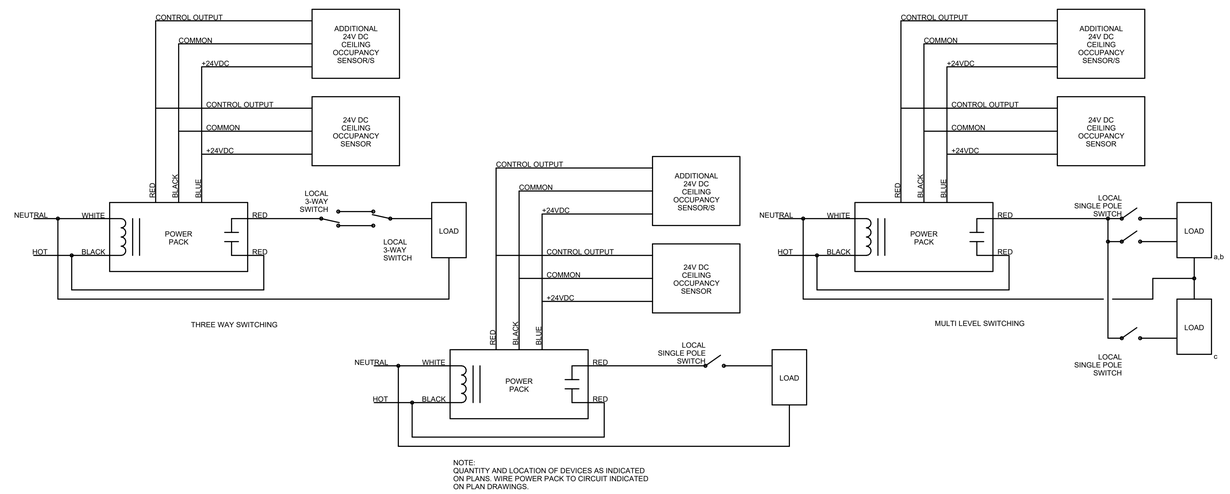
6 FIRE ALARM SYSTEM DETAILS AND NOTES

NO SCALE



3 TYPICAL INTERIOR MOUNTING HEIGHTS

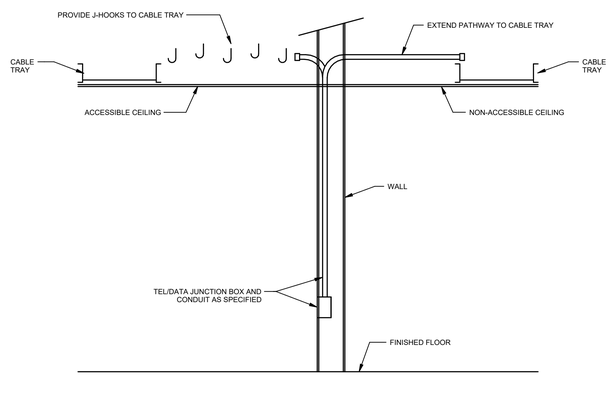
NO SCALE



NOTE:
QUANTITY AND LOCATION OF DEVICES AS INDICATED ON PLANS. WIRE POWER PACK TO CIRCUIT INDICATED ON PLAN DRAWINGS.

4 OCCUPANCY SENSOR CONTROL DETAIL

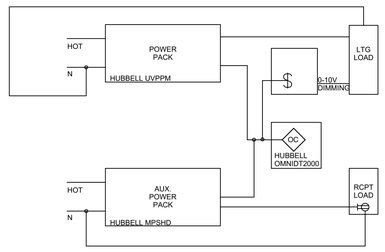
NO SCALE



NOTE:
PROVIDE BLANK FACEPLATES ON ALL DEVICE BOXES NOT ACTIVATED.

1 TYPICAL WALL OUTLET DETAIL

NO SCALE



NOTE:
WIRE POWER PACK/S TO CIRCUIT INDICATED ON PLAN DRAWINGS (LIGHTING AND POWER).
TYPICAL DETAIL DERIVED FROM SPECIFIC MANUFACTURER (HUBBELL).

2 SWITCHED RECEPTACLE WIRING DIAGRAM

NO SCALE

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ELECTRICAL DETAILS

E70-1