

CU ANSCHUTZ  
ED2 N 4TH FLOOR  
ROOMS 4223, 4224, &  
4225 RENOVATION  
13120 E. 19TH AVE.  
AURORA, CO 80045  
STATE PROJECT NO: 22-117960

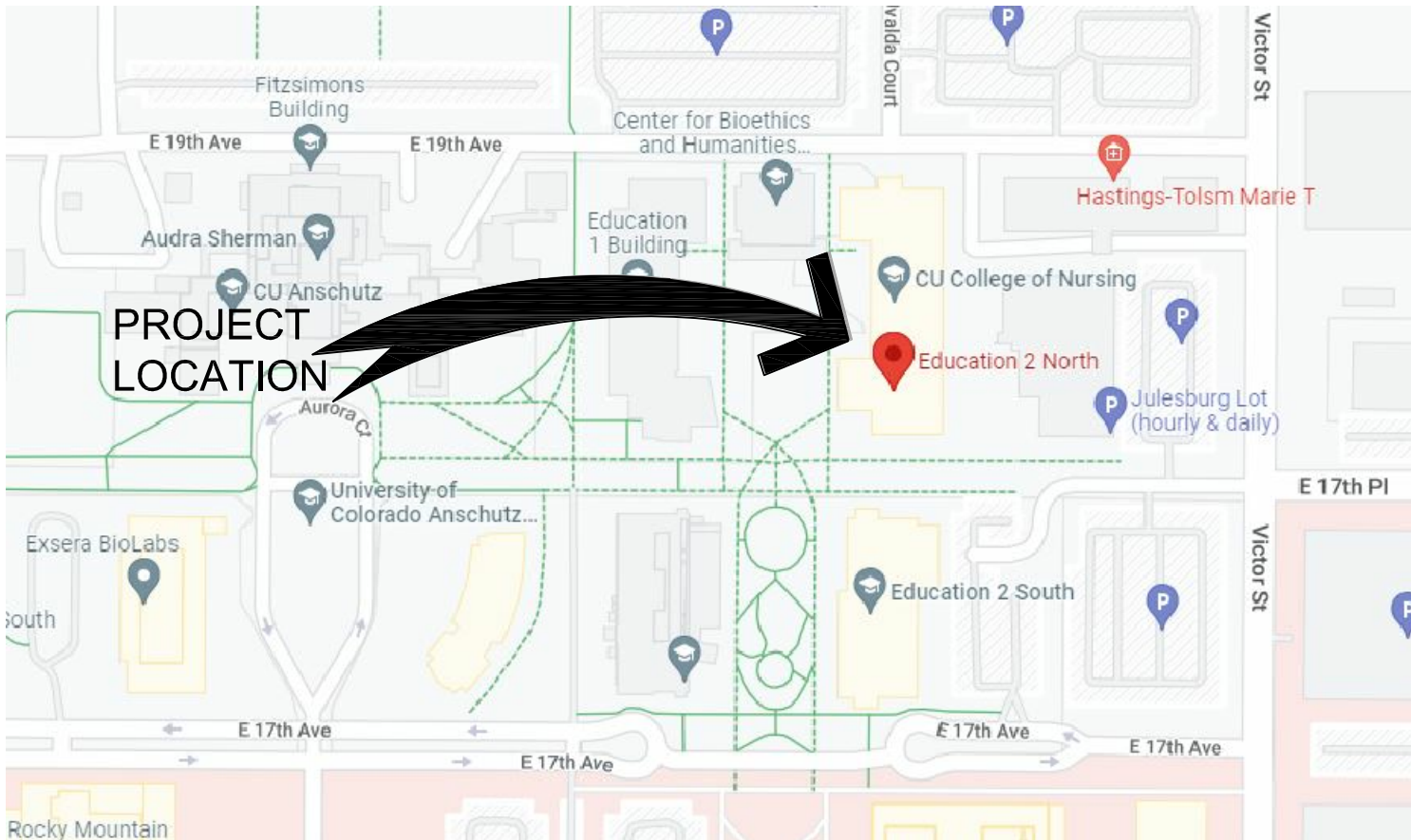
# CU ANSCHUTZ ED2N BUILDING

## ROOMS 4223, 4224, & 4225 RENOVATION

### 100% CD FOR CONSTRUCTION

OCTOBER 18, 2022

#### LOCATION MAP:



#### CONTACTS:

- OWNER:** CU ANSCHUTZ  
1945 N. WHEELING ST  
AURORA, COLORADO 80045  
CONTACT: CHAD JELINEK  
PH: 720.728.9577  
CHAD.JELINEK@CUANSCHUTZ.EDU
- ARCHITECT:** ARCHITECTURAL WORKSHOP  
2 KALAMATH STREET  
DENVER, COLORADO 80223  
CONTACT: JOE MARSHALL  
PH: 303.788.1717  
JMARSHALL@ARCHSHOP.COM
- MEP ENGINEERS:** BG BUILDNGWORKS, INC  
1626 COLE BLVD, SUITE 300  
LAKEWOOD, COLORADO 8040  
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PH: 303.278.3820 X5226  
MTREED@BGBUILDINGWORKS.COM

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ARCHITECTURAL WORKSHOP . DENVER COLORADO

DATE	DESCRIPTION
4-15-22	CONCEPT DESIGN
9-23-22	90% CONSTRUCTION DOCUMENTS
10-18-22	100% CD FOR CONSTRUCTION

DRAWN BY: KS	CHECKED BY: JM
PROJECT: 2147ED	INITIAL DATE: FEB 22

COVER SHEET, CONTACTS,  
DRAWING INDEX



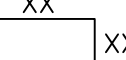
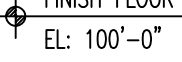





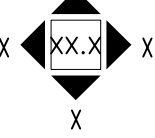


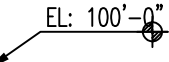






# G-001



ABBREVIATIONS:

A.C.F.F.	ABOVE FINISH FLOOR	RAD	RADIUS
A.C.T.	ACOUSTIC CEILING TILES	RECP	RECEPTACLE
A.C.	AIR CONDITIONING	REF	REFERENCE
ADJ.	ADJUSTABLE	REINF	REINFORCE/REINFORCING
AHEC	AURARIA HIGHER EDUCATION CENTER	REQD	REQUIRED
AL	ALUMINUM	RESIL	RESILIENT
ALT	ALTERNATE	RM	ROOM
®	AT	SAN	SANITARY
B.M.	BENCH MARK	SCH	SCHEDULE
BLK	BLOCK	SECT.	SECTION
BD	BOARD	SHT	SHEET
BLDG	BUILDING	SIM	SIMILAR
B.B.	BULLETIN BOARD	S.D	SMOKE DETECTOR
CCI	COLORADO CONSTRUCTIONAL INDUSTRIES (FURNITURE MANUF)	SPR.	SPRINKLER
CPT	CARPET	SF	SQUARE FOOT
CLK	CAULKING	S.S.	STAINLESS STEEL
C.B.	CHALK BOARD	STD	STANDARD
CITY	CITY OF DENVER	STL	STEEL
CLG	CEILING	STO	STORAGE
CTR	CENTER	STR	STRUCTURAL
C.T.	CERAMIC TILE	SUSP	SUSPENDED
CLR	CLEAR	SYM	SYMMETRIC
COL	COLUMN	T.B.	TACK BOARD
CONC	CONCRETE	TEL	TELEPHONE
CONST	CONSTRUCTION	T.T.D.	TOILET TISSUE DISPENSER
CJ	CONTROL JOINT	T.O.C.	TOP OF CONCRETE
CONT	CONTINUOUS/CONTINUE	T.O.D.	TOP OF DECK
CONTR	CONTRACTOR	T.O.M.	TOP OF MASONRY
CORR.	CORRIDOR	T.O.S.	TOP OF STEEL
C.U.H.	CABINET UNIT HEATER	TYP	TYPICAL
DET/DTL	DETAIL	T.D.R.	TOWEL DISPENSER & RECEPTACLE
DIA	DIAMETER	UCDHSC	UNIVERSITY OF COLORADO
DIM	DIMENSION		AT DENVER HEALTH SCIENCE CENTER
DN	DOWN	UC	UNDER COUNTER
D.S.	DOWN SPOUT	UNFIN	UNFINISHED
DWG	DRAWING	V.I.F.	VERIFY IN FIELD
D.F.	DRINKING FOUNTAIN	VERT	VERTICAL
ELEC	ELECTRICAL	V.C.T.	VINYL COMPOSITION TILE
E.W.C.	ELECTRIC WATER COOLER	W.C.	WATER CLOSET
ELEV	ELEVATION	W/	WITH
EQ	EQUAL	W/O	WITH OUT
EQUIP	EQUIPMENT	WD	WOOD
EXH.	EXHAUST		
EXIST	EXISTING		
E.J.	EXPANSION JOINT		
EXT	EXTERIOR		
FT	FEET		
FIN	FINISH		
F.F.	FINISH FLOOR		
F.A.P.	FIRE ALARM PANEL		
F.E.	FIRE EXTINGUISHER		
F.E.C.	FIRE EXTINGUISHER CABINET		
FL	FLOOR/FLOOR LINE		
F.D.	FLOOR DRAIN		
GALV.	GALVANIZED		
GA	GAUGE		
GEN	GENERAL		
G.C.	GENERAL CONTRACTOR		
G.B.	GRAB BAR		
GR	GRADE		
GYP. BD.	GYPSPUM BOARD		
HWD	HARD WOOD		
HT	HEIGHT		
H.M.	HOLLOW METAL		
INSUL	INSULATION		
INT.	INTERIOR		
JAN	JANITOR		
JT	JOINT		
KIT	KITCHEN		
LAB	LABORATORY		
LAM	LAMINATE		
LGTH	LENGTH		
LF	LINEAL FOOT		
L.S.D.	LIQUID SOAP DISPENSER		
MFR	MANUFACTURER		
MATL	MATERIAL		
MAX	MAXIMUM		
MECH	MECHANICAL		
MTL/MET	METAL		
MICR	MICROWAVE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
NONCOM	NON-COMBUSTIBLE		
N.I.C.	NOT IN CONTRACT		
N.T.S.	NOT TO SCALE		
NO.	NUMBER		
OFF	OFFICE		
O.C.	ON CENTER		
OPG	OPENING		
OPH	OPPOSITE HAND		
PNT	PAINTED/PAINT		
PTN	PARTITION		
PL	PLASTER		
PLT	PLATE		
PLWD	PLYWOOD		
PREFIN	PREFINISHED		
PRELIM	PRELIMINARY		

SYMBOLS:

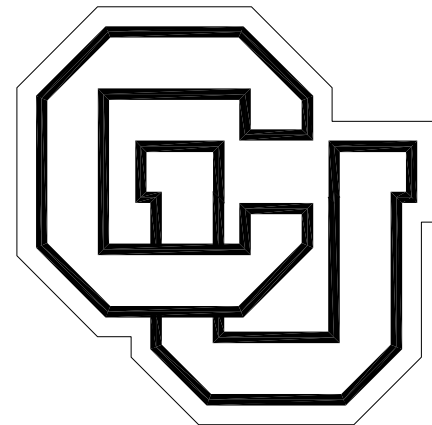
NO WORK THIS AREA	
MEANS OF EGRESS EXIT DISCHARGE	
ROOF PITCH	
ELEVATION TAG	
WINDOW TAG	
DOOR TAG	
KEYNOTE TAG	
TOILET ACCESSORIES AND/OR EQUIPMENT TAG	
KEY NOTE LEADER	
INTERIOR ELEVATION SHEET NUMBER	
ROOM NAME AND NUMBER	
FLOOR TRANSITION TAG	
SPOT ELEVATION	
WALL TYPE NUMBER	
ADDENDUM DELTA	
DETAIL SECTION	
WALL & BUILDING SECTIONS	
DETAIL BUBBLE	
REVISION CLOUD	

PROJECT NOTES:

1. CONTRACTOR AND SUB-CONTRACTORS ARE RESPONSIBLE TO READ AND UNDERSTAND ALL OF THE DRAWINGS AND THE PROJECT SPECIFICATION BOOK.
2. GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE TO COORDINATE WITH THE CU SCHNITZ PROJECT MANAGER'S FOR HOURS OF OPERATION, ALLOWABLE CONSTRUCTION TIMES AND CONSTRUCTION ACTIVITIES. THE G.C. SHALL ASSUME ALL RESPONSIBILITY FOR ALL SUB-CONTRACTORS. THE G.C. SHALL BE RESPONSIBLE TO OBTAIN SECURITY KEY CARDS FOR ACCESS TO THE BUILDING AND TO THE FLOOR.
3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DUMPSTER. THE G.C. SHALL COORDINATE WITH CU SCHNITZ PROJECT MANAGER FOR LOCATION AND ALLOWABLE SIZE.
4. ALL DELIVERIES MUST BE COORDINATED WITH CU SCHNITZ PROJECT MANAGER FOR TIME AND LOCATION OF DELIVERIES.

GENERAL  
CONTRACTOR NOTES:

- PERMITS:  
THE GENERAL PERMIT / BUILDING CARD TO BE ISSUED BY CU ANSCHUTZ.
- MEP PERMITS ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ARE ISSUED THROUGH THE STATE. GC IS RESPONSIBLE FOR THE PERMIT AND ALL FEES. ALL MEP INSPECTIONS ARE BY THE STATE.
- FIRE PERMIT AND INSPECTIONS ARE THROUGH DENVER FIRE. THE GC IS RESPONSIBLE FOR SUBMITTING ALL REQUIRED DRAWINGS FOR PERMIT AND PAYING FOR PERMIT FEES. ALL FIRE INSPECTIONS ARE BY DENVER FIRE.
- SITE EXAMINATION:
2. BUILDING CONTRACTOR AND ALL SUBCONTRACTORS SHALL VISIT AND EXAMINE THE SITE AND GENERAL IN EVERY DETAIL AS IT PERTAINS TO THE PROJECT PRIOR TO SUBMITTING A BID PROPOSAL.
3. DISCREPANCIES:  
ANY DISCREPANCIES DISCOVERED BY THE GENERAL CONTRACTOR OR BY THE SUBCONTRACTORS, REGARDING DIMENSIONS, OR CONFLICTS UNFORESSEEN PREVIOUSLY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
4. BUILDING CODE COMPLIANCE:  
PERFORM ALL WORK TO COMPLY WITH APPLICABLE BUILDING CODES AND REGULATIONS. REGARDING CONDITIONS THAT ARE NOT CONSTRUCTED TO MEET CURRENT BUILDING CODES, THE GENERAL CONTRACTOR IS TO PROVIDE ALTERNATE PRICING TO BRING ITEMS INTO CODE COMPLIANCE.
5. LONG LEAD ITEMS:  
THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH THE PROJECT SCHEDULE AND DEADLINES, AND FOR ADVISING THE ARCHITECT FOR ANY LONG LEAD ITEMS. ORDER CONFIRMATION SHALL BE SUBMITTED WITH DELIVERY DATES. PROVIDED LEAD TIME ESTIMATES WITH ANY BID PROPOSALS, IT SHALL BE AT THE GENERAL CONTRACTORS EXPENSE IF ANY LONG LEAD ITEMS ARE DISCOVERED AFTER THE PROJECT BEGINS.
6. CLEAN UP:  
CLEANING OF CONTRACTOR'S EQUIPMENT AND TOOLS SHALL BE LIMITED TO AREAS DESIGNATED BY THE BUILDING MANAGER. TRASH SHALL BE REMOVED AND SWEEPING/VACUUMING SHALL BE PROVIDED ON A DAILY AND CONTINUING BASIS THROUGHOUT THE CONSTRUCTION PROCESS. FINAL CLEANING SHALL BE PROVIDED BY THE CONTRACTOR AND INCLUDE WINDOWS, SILLS, WINDOW COVERINGS (BLINDS), CABINETS, LIGHT FIXTURES, SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLS.
7. PROTECTION OF EXISTING ITEMS:  
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING CONSTRUCTION ON AND OFF SITE, AND SHALL BE HELD RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY GENERAL CONTRACTOR OR ANY OF ITS SUBCONTRACTORS.
8. WORK PERFORMED UNDER SEPARATE CONTRACT:  
THE GENERAL CONTRACTOR IS TO VERIFY WITH THE BUILDING MANAGER, IF ANY WORK IS TO BE PERFORMED UNDER A SEPARATE CONTRACT.
9. FIRE WALL PENETRATIONS:  
ALL PENETRATIONS THROUGH FIRE RESISTIVE CONSTRUCTION SHALL BE CAULKED OR OTHERWISE SEALED WITH AN APPROVED UL LISTED ASSEMBLY TO MAINTAIN THE REQUIRED FIRE RATING.



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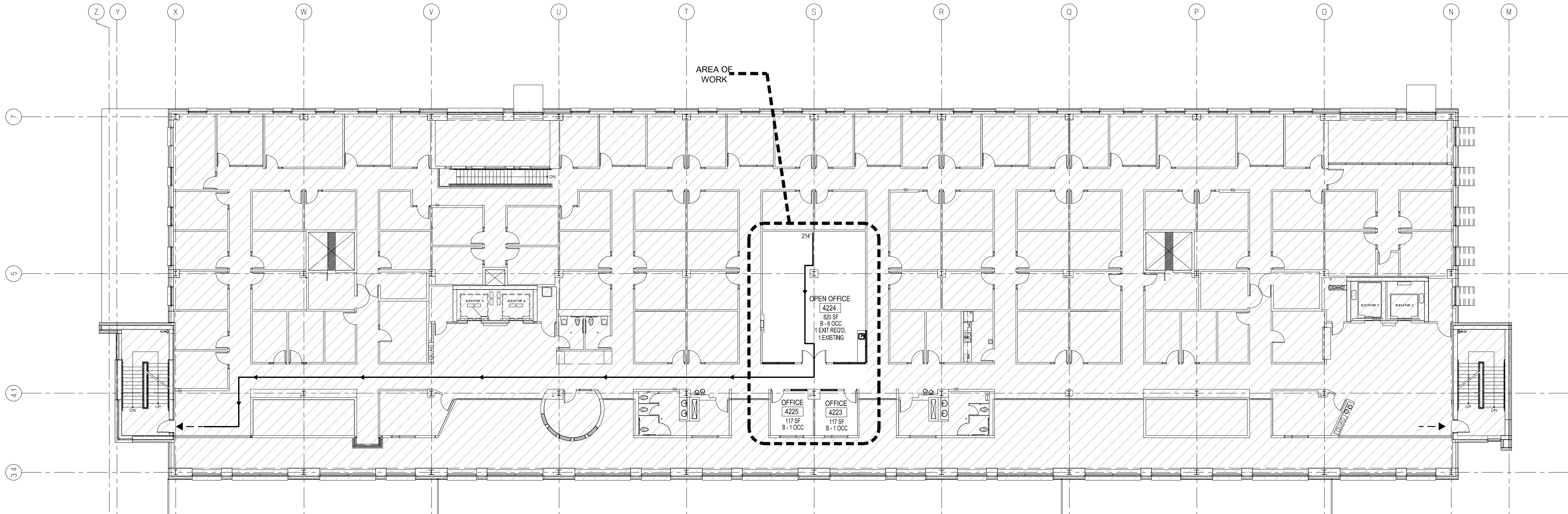
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## GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

G-002



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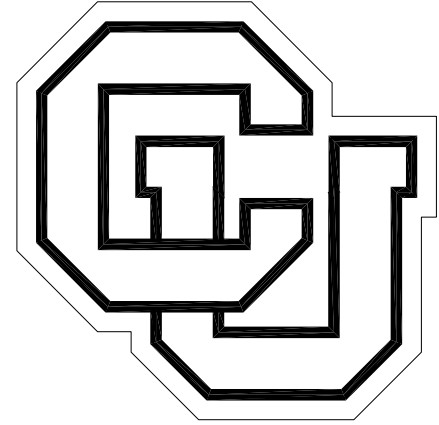


## CODE DATA:

CODE:	2021 IBC 2021 IEBC 2021 IMC 2021 IECC 2020 NEC 2018 IPC 2021 IFC 2017 ICC/ANSI A177.1
PROJECT DESCRIPTION:	THE RENOVATION OF ROOM 4224 INTO A LANDING ZONE(SEMINAR ROOM). ROOMS 4223 & 4225 ARE TO RECEIVE FURNITURE, THE RENOVATION IS NOT CREATING ANY CHANGE IN USE, OCCUPANCY TYPE OR OCCUPANCY NUMBERS. THE REQUIRED MEANS OF EGRESS REMAINS THE SAME.
BUILDING ADDRESS:	CU ANSCHUTZ EDUCATION 2 NORTH BUILDING 13120 E. 19TH AVE. AURORA, COLORADO 80045
BUILDING CONSTRUCTION:	TYPE I-B (NO CHANGE FROM EXISTING)
OCCUPANCY GROUP:	B (150 GROSS) (NO CHANGE FROM EXISTING) A-3 (7 NET) (NO CHANGE FROM EXISTING)
TOTAL FLOOR AREA:	BASEMENT TOTAL AREA = NONE 1ST FLOOR TOTAL AREA = 36,879 G.S.F. 2ND FLOOR TOTAL AREA = 36,419 G.S.F. 3RD FLOOR TOTAL AREA = 30,373 G.S.F. 4TH FLOOR TOTAL AREA = 26,189 G.S.F. 5TH FLOOR TOTAL AREA = 29,903 G.S.F. PENTHOUSE TOTAL AREA = 691 G.S.F. TOTAL AREA = 160,454 G.S.F.
FIRE-RESISTANCE RATING: (IBC TABLE 601)	STRUCTURE 2 HR BEARING WALLS EXTERIOR 2HR INTERIOR 2HR INTERIOR PARTITIONS 0 HR FLOOR 2 HR ROOF 1 HR
SPRINKLER SYSTEM:	FULLY (PER NFPA 13) (NO CHANGE FROM EXISTING)
STANDPIPE:	YES (PER NFPA 14 CLASS III) (NO CHANGE FROM EXISTING)
BUILDING HEIGHT (# OF STORIES):	5 STORIES + PENTHOUSE (NO CHANGE FROM EXISTING)
EXIT ACCESS:	EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED (B OCCUPANCY) 300' W/ AN AUTOMATIC SPRINKLER SYSTEM. (IBC TABLE 1017.2)  EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED (A OCCUPANCY) 250' W/ AN AUTOMATIC SPRINKLER SYSTEM. (IBC TABLE 1017.2)
CORRIDORS:	B & A OCCUPANCIES W/ AN AUTOMATIC SPRINKLER SYSTEM ARE NOT REQUIRED TO HAVE FIRE RATED CORRIDORS. (IBC TABLE 1020.1)

## LEGEND:

- EXIT PATH
- EGRESS TRAVEL DISTANCE
- NO WORK THIS AREA



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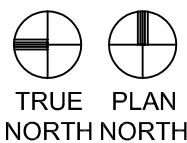


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CODE INFORMATION &  
OVERALL FOURTH FLOOR PLAN

G-003



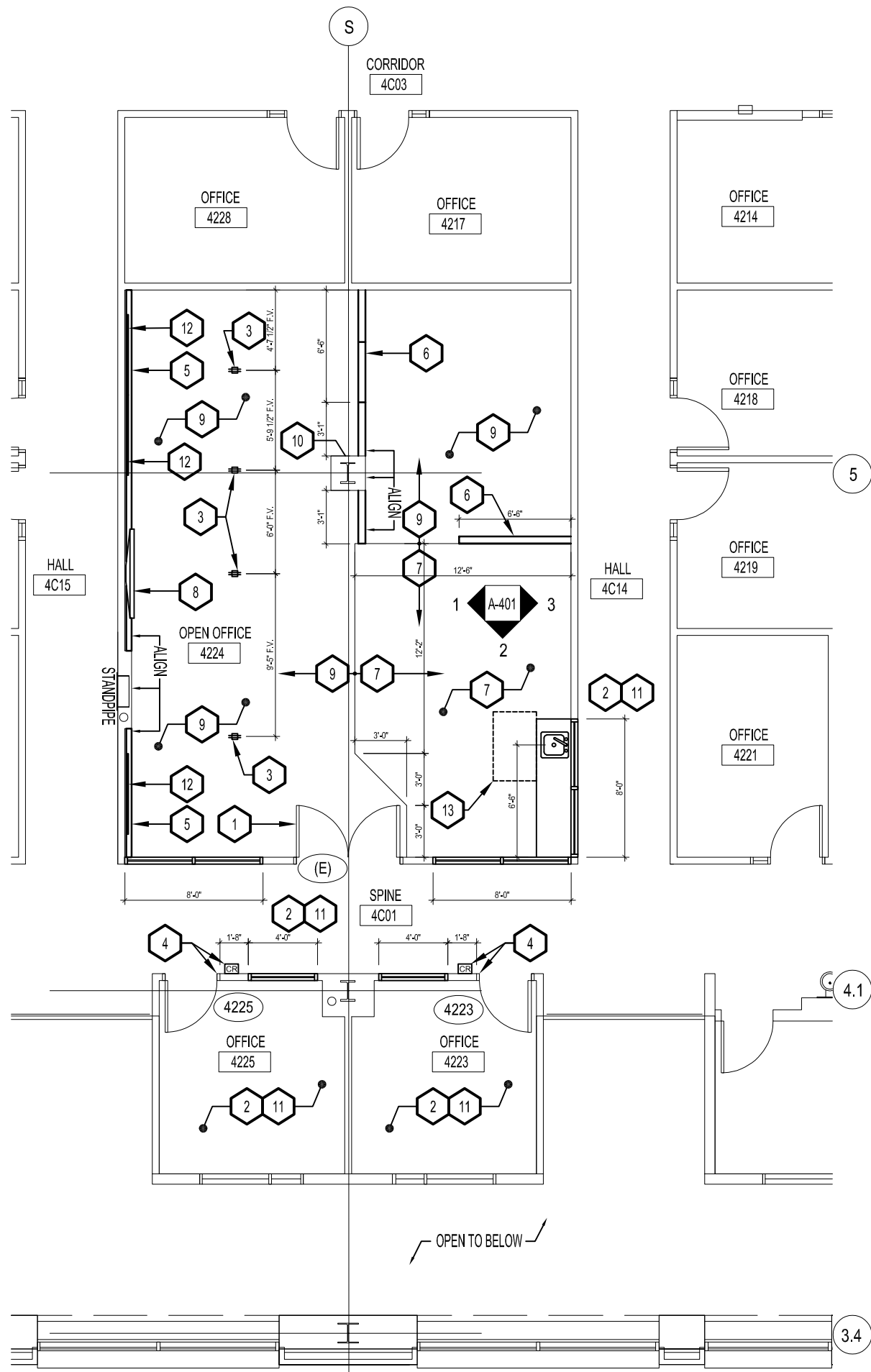


## PLAN KEY NOTES:

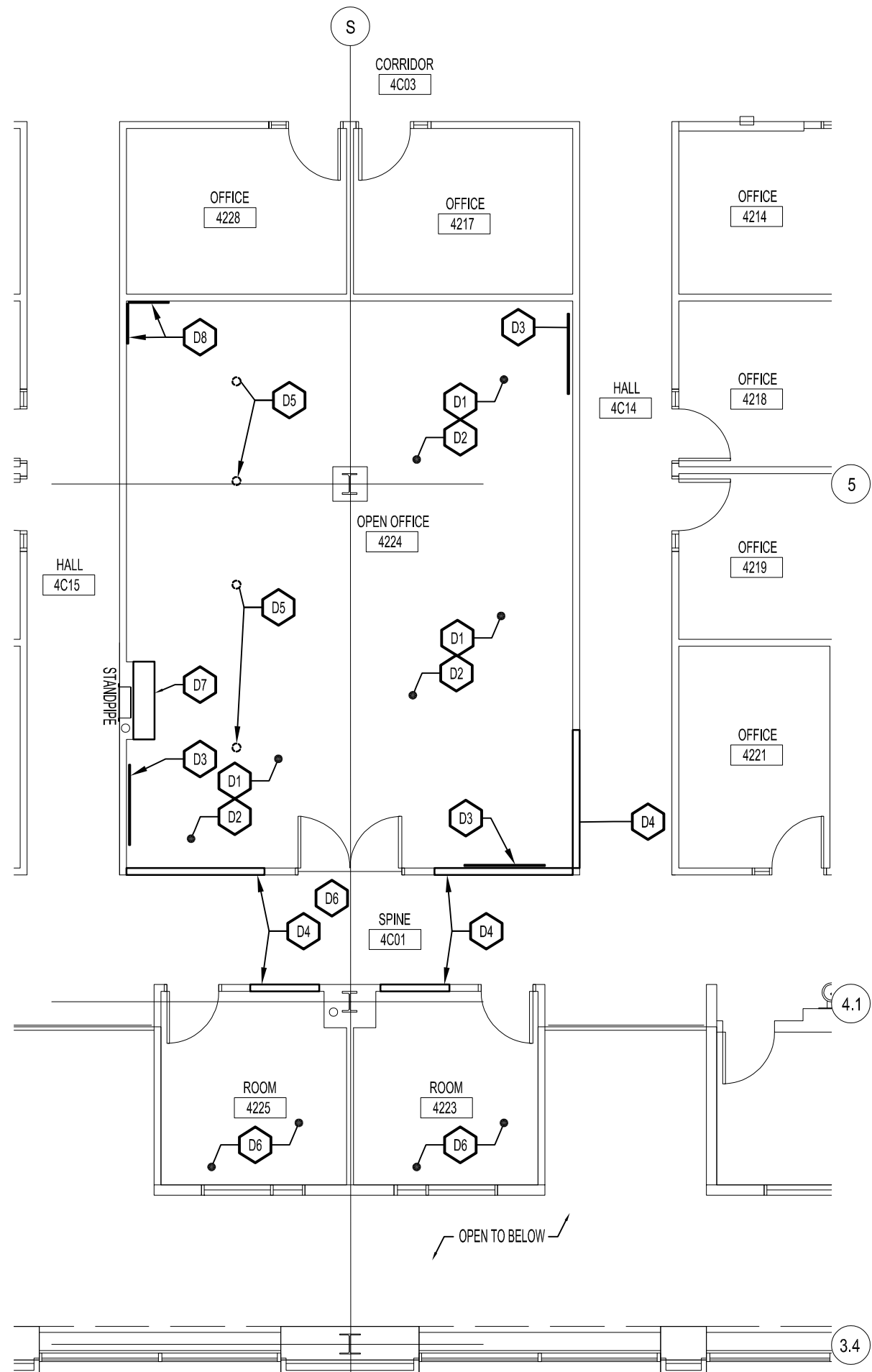
- EXISTING DOOR, FRAME, AND HARDWARE TO REMAIN.
- (E) CARPET TO REMAIN, PATCH/REPAIR AS REQ'D AFTER NEW WORK, MATCH EXISTING.
- FLOOR BOX, RE: ELECTRICAL.
- CARD READER & ASSOCIATED HARDWARE TO BE PROVIDED & INSTALLED BY OWNER AT (E) DOOR AND FRAME, RE: DOOR SCHEDULE & ELECTRICAL DWGS.
- 30" HIGH 3 5/8" 25 GA MTL. STUDS @ 16" O.C. W/ TOP AND BOTTOM TRACK W/ 5/8" TYPE 'X' GYP. BD. ON ONE SIDE AND TOP - FINISH & PAINT, RE: ELEVATIONS, ALIGN WALL WITH EXISTING BUMP OUT FOR A SMOOTH TRANSITION BETWEEN EXISTING AND NEW.
- FURNITURE SYSTEM PANELS TO BE PROVIDED BY OWNER AND INSTALLED BY OWNERS FURNITURE VENDOR.
- PROVIDE & INSTALL LVT FLOORING AND WALL BASE, TBD. PROVIDE TRANSITION STRIP WHERE LVT MEETS DISSIMILAR FINISH.
- MONITOR & ASSOCIATED AV EQUIPMENT TO BE PROVIDED & INSTALLED BY GC, RE: ELECTRICAL & A-401 FOR AV SCHEDULE AND NOTES.
- PROVIDE & INSTALL NEW CARPET & WALL BASE, MANUFACTURER: TBD
- EXISTING GYP. BD. COLUMN COVER, PAINT.
- PATCH/REPAIR GYP. BD. AFTER DEMOLITION AND/OR NEW WORK. FINISH AND PAINT TO MATCH ADJACENT SURFACE.
- INSTALL SALVAGED GLASS MARKER BOARD, RE: ELEVATION.
- ADA 30X48 CLR. FLOOR AREA FOR SIDE APPROACH.

## LEGEND:

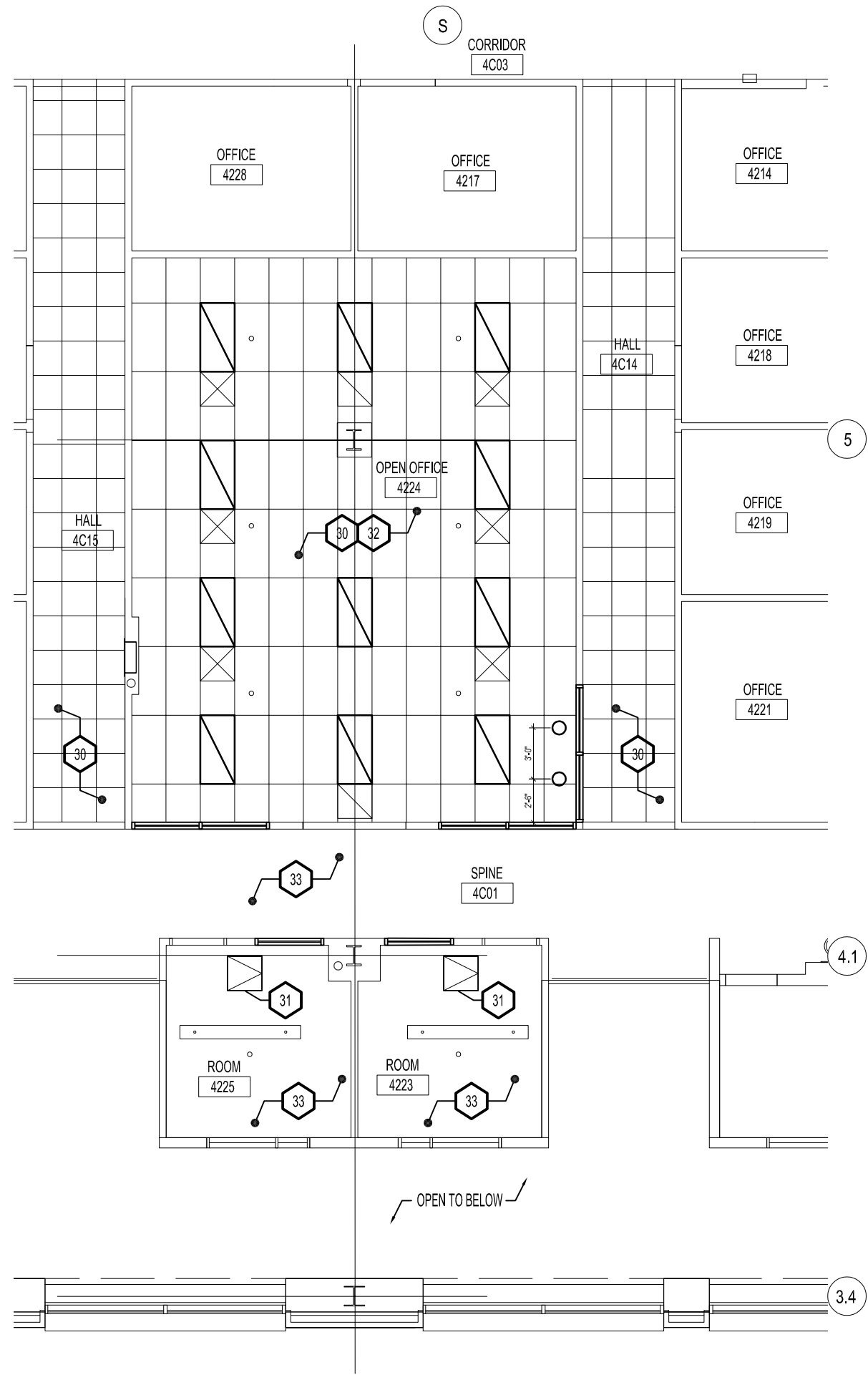
- NO WORK IN THIS AREA
- EXISTING CONSTRUCTION (EXTERIOR / INTERIOR)
- NEW WALL CONSTRUCTION
- DEMO ITEM
- EXISTING DOOR TO REMAIN
- NEW DOOR



2 ENLARGED 4th FLOOR PLAN  
SCALE: 1/4" = 1'-0"



1 ENLARGED 4th FLOOR DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"



3 ENLARGED 4th FLOOR CEILING PLAN  
SCALE: 1/4" = 1'-0"

## CEILING PLAN LEGEND:

- EXISTING 2X4 CEILING TILE TO REMAIN
- EXISTING 2X4 RECESSED LIGHT FIXTURE TO REMAIN
- NEW 2X4 RECESSED LIGHT FIXTURE, RE: ELECTRICAL
- EXISTING SUPPLY AIR GRILLE, RE: MECH
- EXISTING RETURN AIR GRILLE, RE: MECH
- EXISTING SPRINKLER HEAD

## CEILING PLAN KEY NOTES:

- EXISTING CEILING TO REMAIN, PATCH/REPAIR AS REQ'D AFTER DEMOLITION AND/OR NEW WORK, PATCH W/ CLEAN UNBROKEN TILES ONLY, MATCH EXISTING.
- PROVIDE & INSTALL CEILING 2' X 2' ACCESS PANEL, PAINT TO MATCH EXISTING CEILING COLOR, COORDINATE EXACT LOCATION W/ CARD READER INSTALLATION, RE: ELECTRICAL. PATCH/REPAIR & FINISH & PAINT TO MATCH ADJACENT SURFACE OF (E) GYP. BD AFTER ACCESS PANEL INSTALLATION.
- PROVIDE & INSTALL LIGHTING FIXTURES THIS ENTIRE ROOM, RE: ELECTRICAL.
- (E) GYP. BD. CEILING TO REMAIN, PATCH & PAINT AS REQ'D AFTER NEW WORK, MATCH ADJACENT SURFACE.

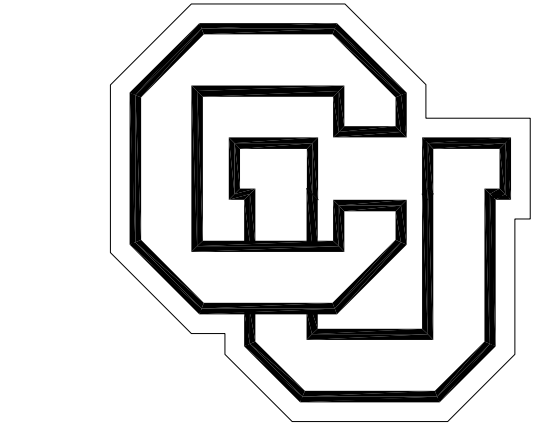
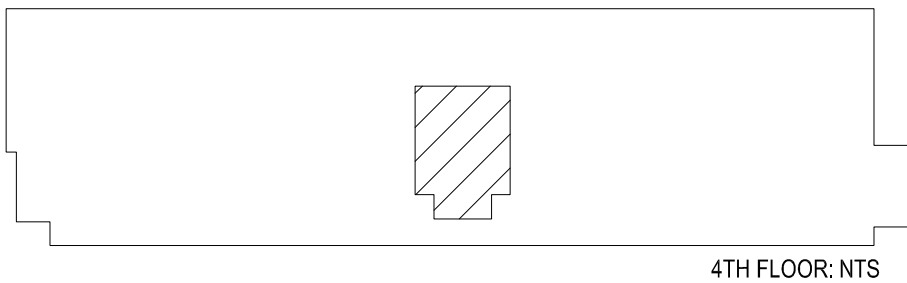
## DEMO KEY NOTES:

- REMOVE (E) LIGHTING THIS ENTIRE ROOM, (E) SUSPENDED CEILING AND ALL OTHER DEVICES TO REMAIN IN PLACE. REMOVE CEILING TILES AS REQ'D TO PERFORM DEMO AND NEW WORK. PATCH BACK TO MATCH EXISTING.
- REMOVE EXISTING CARPET & WALL BASE ASSEMBLY COMPLETE, INCLUDING MASTIC, THIS ENTIRE ROOM. PREP FLOOR FOR NEW FLOOR FINISH AS REQ'D BY MANUFACTURER.
- REMOVE (E) GLASS MARKER BOARD ASSEMBLY COMPLETE. SALVAGE FOR REUSE.
- REMOVE PORTION OF EXISTING MTL. STUD WALL AS REQ'D FOR NEW CLEARSTORY WINDOWS, RE: WINDOW SCHEDULE & ELEVATIONS, INSTALL/ROUTE (E) CONDUIT FOR POWER/DATA DROPS, PULL NEW CONDUCTORS FOR POWER REQUIRED.
- CORE DRILL FLOOR FOR FLOOR BOX, GPR (E) CONC. SLAB ON METAL DECK TO LOCATE STEEL REINFORCING. RE: ELECTRICAL. AN ADDITIONAL CORE DRILL FOR CONDUIT FEEDING NEW FLOOR BOXES WILL NEED TO BE INSTALLED IN AN EXISTING WALL IN A LOCATION TBD, GC TO COORDINATE EXACT LOCATION WITH EC.
- EXISTING CARPET TO REMAIN, PROTECT DURING CONSTRUCTION.
- REMOVE AND DISPOSE OF WALL MOUNTED SHELVING/CUBBY UNITS ASSEMBLY COMPLETE.
- REMOVE (E) TACK BOARD ASSEMBLY COMPLETE. SALVAGE TO OWNER.

## GENERAL NOTES:

- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. ANY DISCREPANCIES IN DRAWINGS AND/OR EXISTING CONDITIONS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
- THE ARCHITECT DISCLAIMS ANY RESPONSIBILITIES AND/OR KNOWLEDGE OF ASBESTOS. THE OWNER ACCEPTS ALL RESPONSIBILITY FOR REMOVAL AND DISPOSAL OF ASBESTOS IF DISCOVERED.
- NEW CONSTRUCTION MUST ALIGN WITH EXISTING WALLS AND/OR ELEMENTS. WALL AND CEILING TEXTURES MUST MATCH AND BE BLENDED TO MEET OWNER AND ARCHITECT APPROVAL.
- ALL DIMENSIONS ARE FROM FACE OF FINISHED WALLS OR CENTERLINE OF GRID UNLESS NOTED OTHERWISE.
- SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL NOTES AND FIRE SAFETY REQUIREMENTS.
- ALL ROUGH AND FINISH CONSTRUCTION SHALL BE IN COMPLIANCE WITH GOVERNING CODES AND REGULATIONS AS A MINIMUM STANDARD.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PHYSICALLY DISCONNECT ALL DISABLED DEVICES AND PULL BACK TO PANEL.
- PLUMBING FIXTURE DIMENSIONS ARE FROM FINISHED FACE OF WALL TO CENTERLINE OF FIXTURE.
- PATCH/REPAIR ALL HOLES, DAMAGED CORNER BEADS AT EXISTING WALLS. TEXTURES MUST MATCH AND BE BLENDED TO MEET OWNERS AND ARCHITECTS APPROVAL.
- PAINT ALL WALLS FIELD COLOR, UNO
- MAINTAIN FIRE RATING THROUGHOUT BUILDING, INCLUDING WALL, FLOORS/CEILING, & CEILING/ROOF ASSEMBLIES.
- ALL EXISTING FLOORS TO RECEIVE NEW FLOOR FINISH TO BE GROUND TO A LEVEL SURFACE PRIOR TO FINISH FLOORING INSTALLATION.
- CONTRACTOR RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SYSTEMS, FIXTURES, AND FINISHES FROM DAMAGE DUE TO DEMOLITION ACTIVITIES. ALL DAMAGED ITEMS AND FINISHES TO BE REPAIRED TO ORIGINAL CONDITION.
- PROVIDE DUST PROTECTION FOR ALL FIRE ALARM DEVICES DURING CONSTRUCTION.
- ANY FLOOR PENETRATIONS ARE TO BE USE GROUND PENETRATING RADAR (GPR) PRIOR TO ANY DRILLING OR SAW CUTTING TO LOCATE SLAB REINFORCING.

## KEY PLAN



## CU ANSCHUTZ ED2 N 4TH FLOOR ROOMS 4223, 4224, & 4225 RENOVATION

13120 E. 19TH AVE.  
AURORA, CO 80045  
STATE PROJECT NO: 22-117960



aw  
ARCHITECTURAL WORKSHOP . DENVER COLORADO

DATE	DESCRIPTION
4-15-22	CONCEPT DESIGN
9-23-22	90% CONSTRUCTION DOCUMENTS
10-18-22	100% CD FOR CONSTRUCTION

DRAWN BY: KS	CHECKED BY: JM
PROJECT: 2147ED	INITIAL DATE: FEB 22

ENLARGED 4TH FLOOR DEMO,  
FLOOR PLAN, & CEILING PLAN

A-101



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AUDIOVISUAL EQUIPMENT SCHEDULE				ENTITY RESPONSIBLE	
TYPE	DESCRIPTION	MANUFACTURER	PART NUMBER	FURNISH	INSTALL
	SMART TECH SBID-GX175 75" GX SERIES MONITOR, 4K, DIGITAL WHITEBOARD, HDMI, LAN	SMART TECH	SBID-GX175	AVC	AVC
	CHIEF XTM1U EXTRA LARGE TILT MOUNT FOR FLAT PANEL TV 55"-75", BLACK	CHIEF	XTM1U	AVC	AVC
	CHIEF CSMP9X12 COMPONENT STORAGE PANEL, INTERFACE	CHIEF	CSMP9X12	AVC	AVC
	CRESTRON MPC3-102-B 3-SERIES MEDIA PRESENTATION CONTROLLER 102, BLACK	CRESTRON	MPC3-102-B	AVC	AVC
	VADDIO 999-99950-700W CONFERENCESHOT AV BUNDLE- CEILING MIC 2 (W/OUT SPEAKER)	VADDIO	999-99950-700W	AVC	AVC
	TP-LINK TL-SG108PE 8-PORT GIGABIT POE EASY SMART SWITCH, 4-PORT POE, STEEL CASE	TP-LINK	TL-SG108PE	AVC	AVC
	DELL PYJGD (DE308PYJGD) OPTIPLEX 3080 MICRO DESKTOP COMPUTER, 2.3 GHZ I5, 16GB RAM 256GB SSD HD, DP 1.4 AND HDMI, LAN	DELL	PYJGD	AVC	AVC
	C2G 42528, 15FT HIGH SPEED HDMI CABLE WITH GRIPPING CONNECTORS, C12P-PLENUM RATED	C2G	42528	AVC	AVC
	LIBERTY PC-G1791-E-P-W SINGLE GANG FACEPLATE WITH HDMI PIGTAIL	LIBERTY	PC-G1791-E-P-W	AVC	AVC
	BINARY B6-4K2-4, 4K ULTRA HD PREMIUM CERTIFIED HIGH SPEED HDMI CABLE W/ GRIPT EK	BINARY	B6-4K2-4	AVC	AVC
	LOGITECH MK540 WIRELESS KEYBOARD AND MOUSE	LOGITECH	MK540	AVC	AVC

- AV SCOPE:
1. INSTALL SMART MONITOR ON THE SPECIFIED WALL WITH CENTER LINE OF MONITOR @ 60" AFF USING XL TILTING MOUNT. RE: ELEVATION
  2. INSTALL MICROPC BEHIND DISPLAY USING STORAGE PANEL.
  3. RUN HDMI CABLE FROM DISPLAY TO HDMI WALLPLATE BELOW DISPLAY @ 18" AFF.
  4. INSTALL VADDIO CAMERA SYSTEM UNDER DISPLAY, RE: ELEVATIONS.
  5. INSTALL CEILING MIC AT CENTRAL LOCATION IN ROOM AND RUN CAT5 CABLE TO CAMERA.
  6. CONTROL WILL BE DONE VIA A WALL MOUNTED CRESTRON KEYPAD.
  7. PROVIDE CRESTRON PROGRAMMING, SYSTEM INTEGRATION, TESTING AND SYSTEM VALIDATION FOR CRESTRON CONTROL SYSTEM.

NOTES:

EC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING COMMON ELECTRICAL WORK & ELECTRICAL FOR COMMUNICATIONS SYSTEMS, INCLUDING:

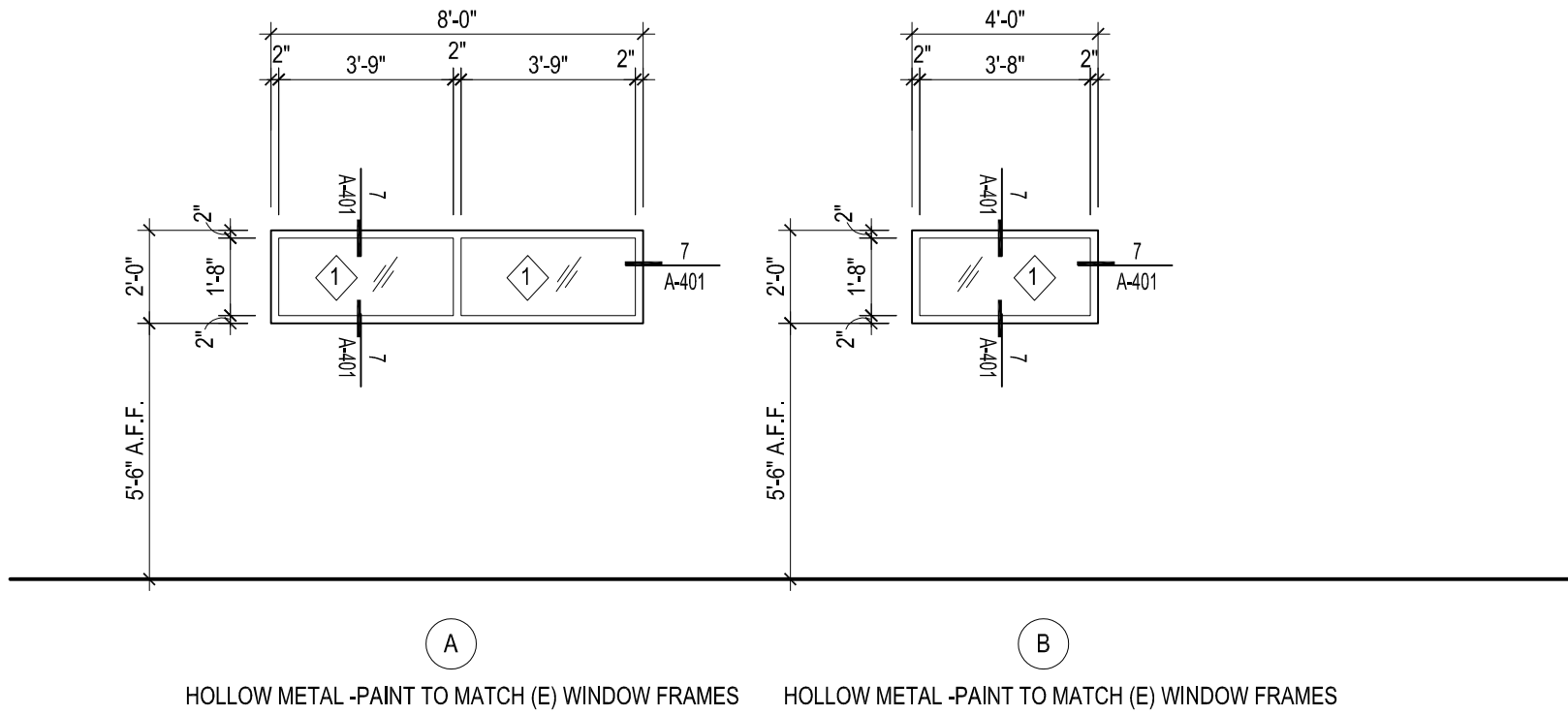
- CABLE PATHWAY FIRE STOPPING DEVICE
- CONDUIT SLEEVES
- HANGER SUPPORTS FOR CONDUITS
- MISCELLANEOUS FIRE STOPPING MATERIAL
- PENETRATIONS
- PUTTY PADS
- BACKBOXES
- CONDUIT, FITTINGS, PULL STRINGS
- JUNCTION BOXES
- POKE-THROUGHS
- PULL BOXES

OWNER SHALL BE RESPONSIBLE FOR PROVIDING INSTALLING TELECOMMUNICATIONS - COMMUNICATIONS CABLING.

AVC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING EQUIPMENT SHOWN ON AUDIOVISUAL EQUIPMENT SCHEDULE.

DOOR & HARDWARE SCHEDULE										
NO.	ROOM	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	FIRE RATING	HARDWARE	DETAIL	DOOR NOTES
4223	4223	(E)	(E)	(E)	(E)	(E)	NONE	-	-	NEW CARD READER, RE: ELECTRICAL
4225	4225	(E)	(E)	(E)	(E)	(E)	NONE	-	-	NEW CARD READER, RE: ELECTRICAL

### WINDOW FRAME TYPES:



### DOOR NOTES:

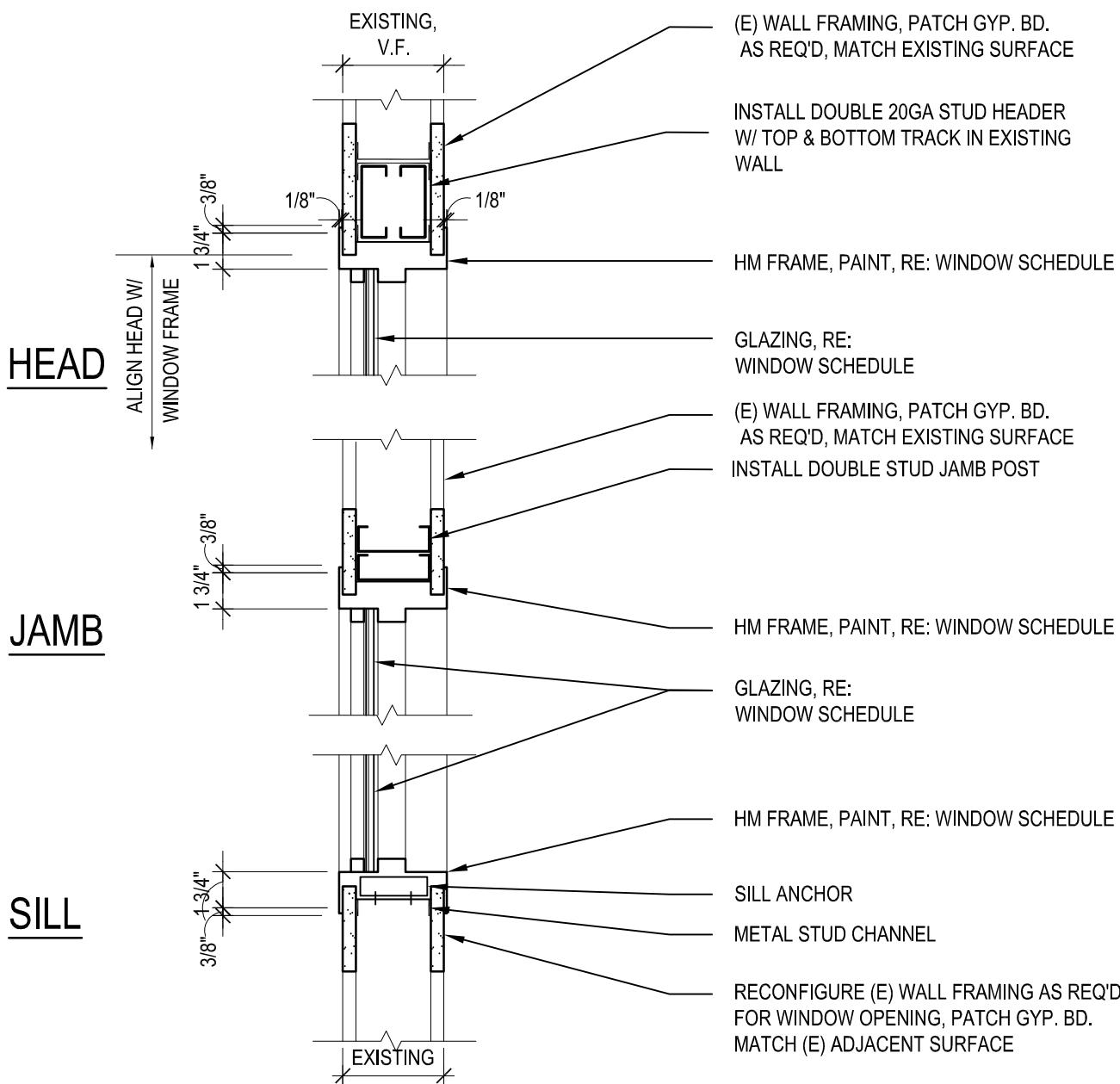
1. NEW CARD READERS AND ASSOCIATED HARDWARE ARE TO BE PROVIDED AND INSTALLED BY THE OWNER. GC IS RESPONSIBLE FOR PROVIDING AND INSTALLING WIRE/CABLE PATHWAY TO OWNER APPROVED IT CLOSET, WIRING AND J-BOXES FOR READERS.

### GLAZING SCHEDULE:

1 1/4" TEMPERED GLASS- CLEAR

### WINDOW NOTES:

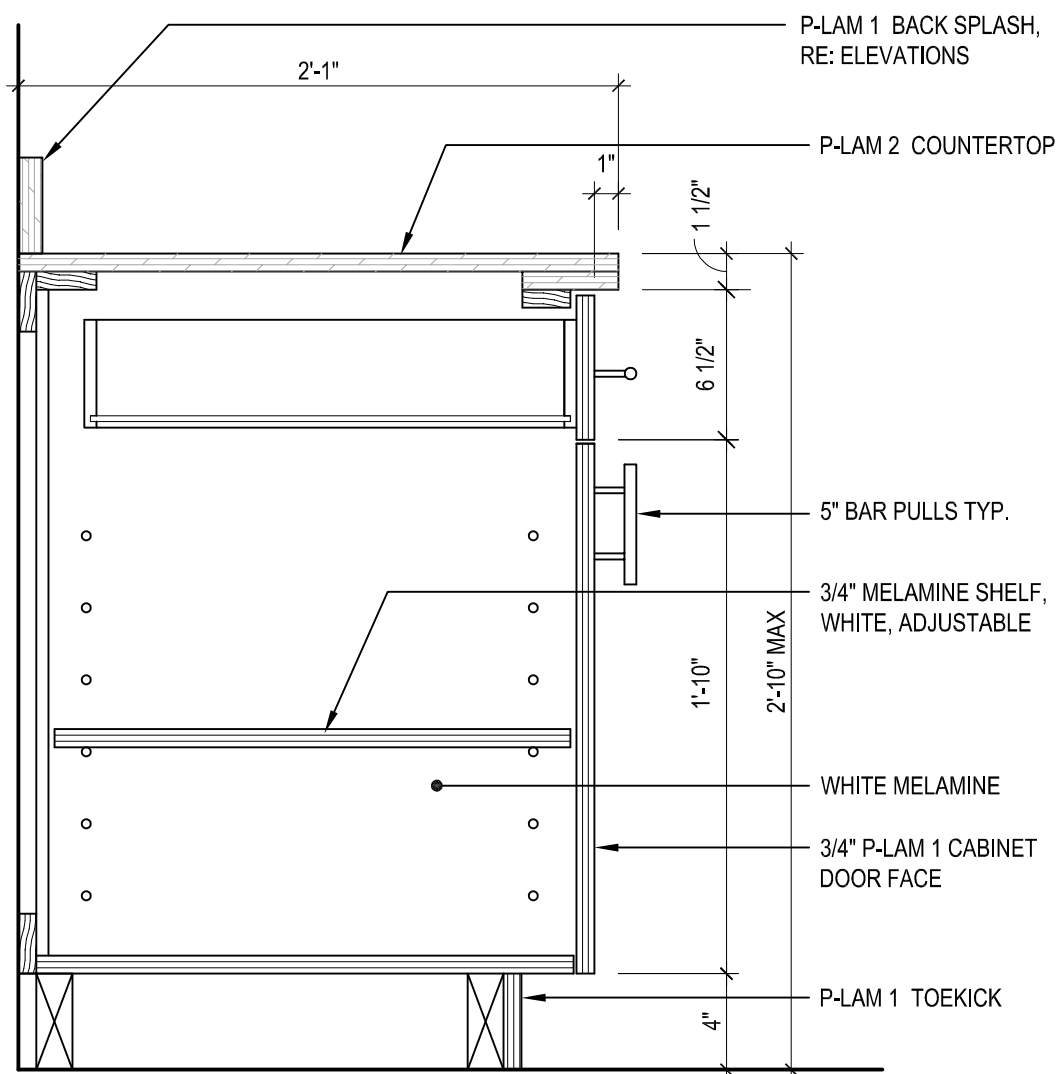
1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING FINAL WINDOW/ ROUGH OPENING BEFORE FRAMING OPENING.



### 7 TYPICAL INTERIOR ASF WINDOW FRAME DETAIL

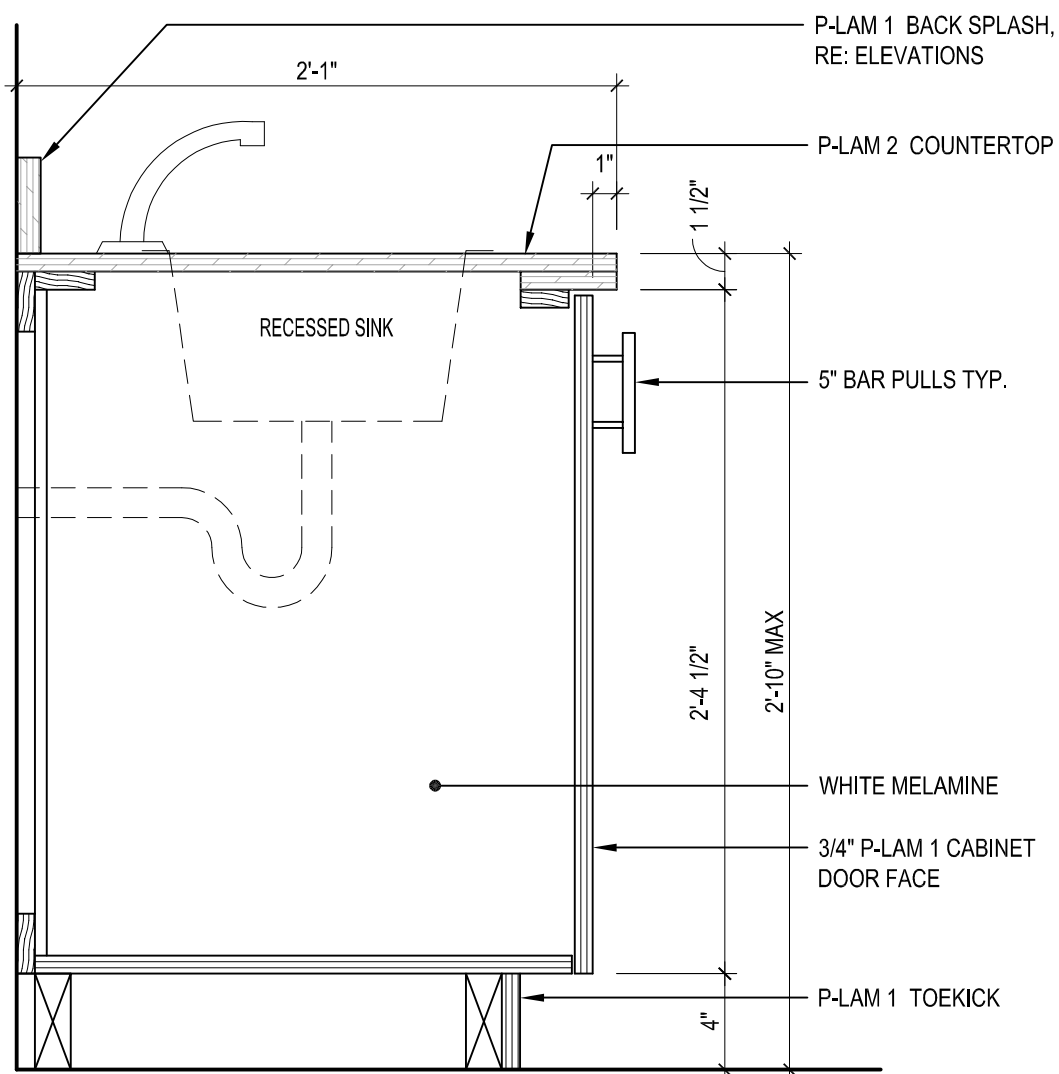
SCALE: 1 1/2"=1'-0"

REF:



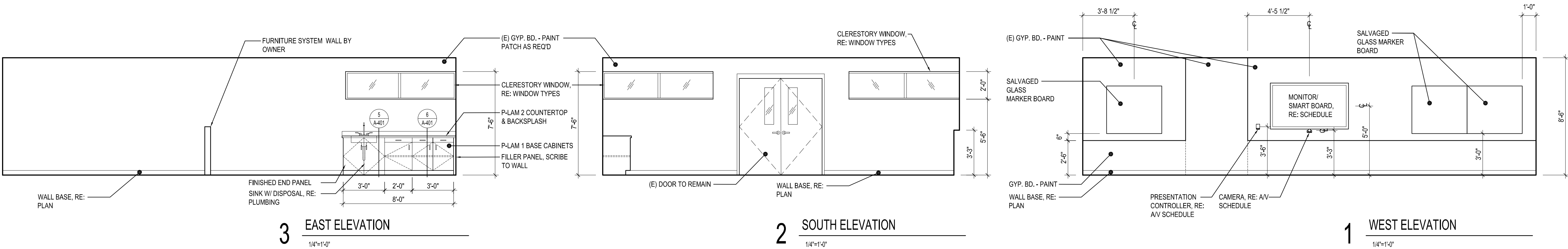
### 6 TYP. ADA BASE CABINET

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



### 5 TYP. ADA SINK BASE CABINET FOR SIDE APPROACH

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



### 3 EAST ELEVATION

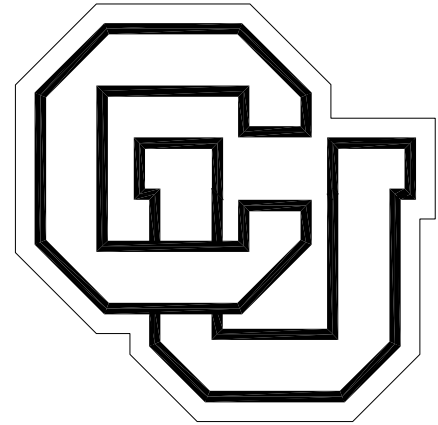
1/4"=1'-0"

### 2 SOUTH ELEVATION

1/4"=1'-0"

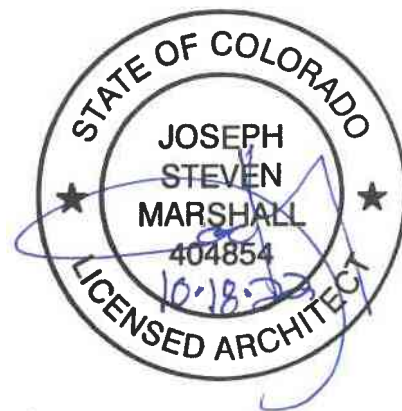
### 1 WEST ELEVATION

1/4"=1'-0"



## CU ANSCHUTZ ED2 N 4TH FLOOR ROOMS 4223, 4224, & 4225 RENOVATION

13120 E. 19TH AVE.  
AURORA, CO 80045  
STATE PROJECT NO: 22-117960



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DRAWN BY: KS CHECKED BY: JM  
PROJECT: 2147ED INITIAL DATE: FEB 22

INTERIOR ELEVATIONS, SCHEDULES

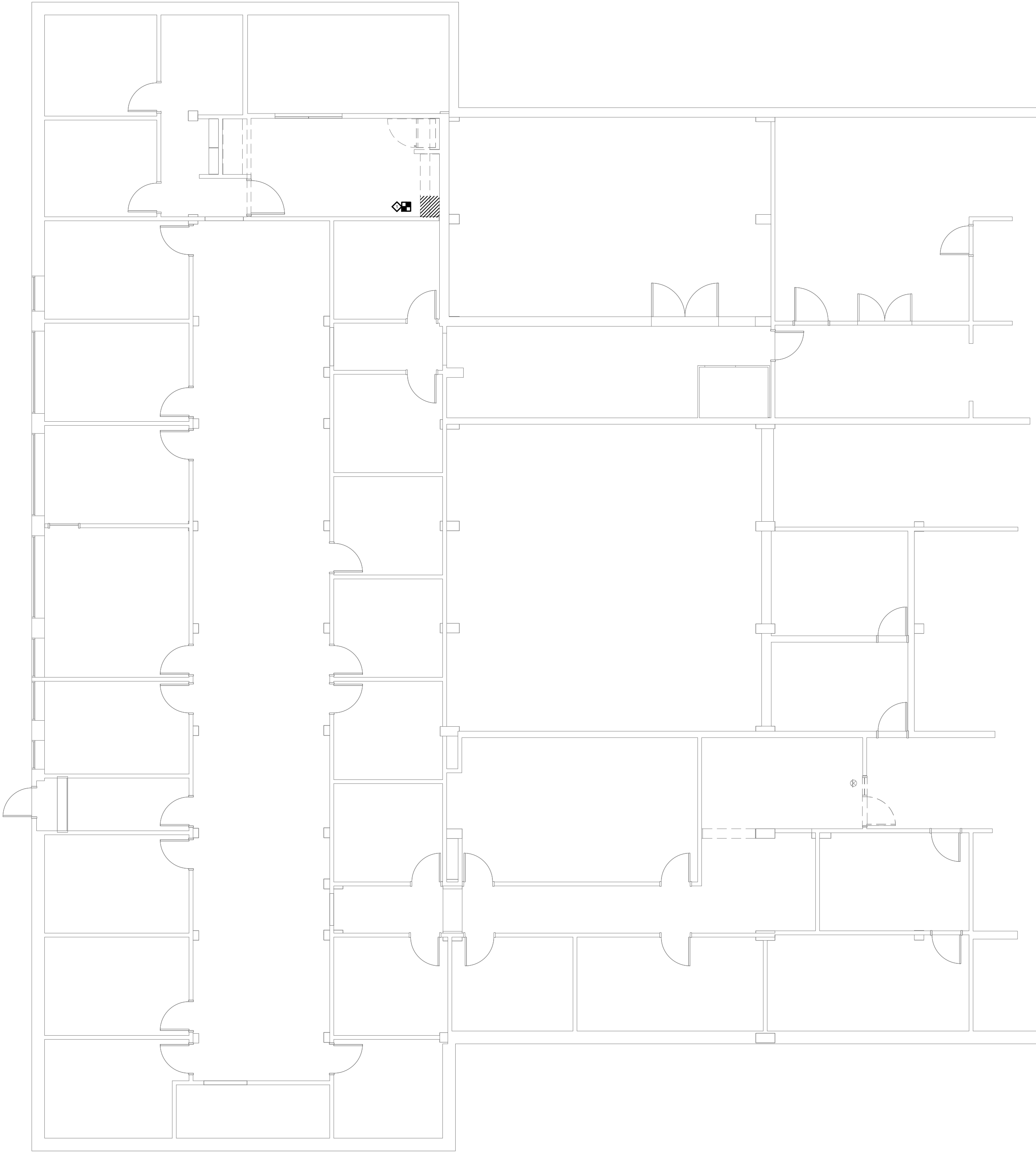
A-401



MECHANICAL SYSTEMS LEGEND									
FIXTURE CONNECTION SCHEDULE					PIPING SYMBOLS				
TAG	DESCRIPTION	HW	CW	WASTE	VENT		90° ELBOW DN		90° ELBOW UP
BS	BAR SINK	1/2"	1/2"	1-1/2"	1-1/2"		TEE DOWN		TEE UP
CS	CLOTHES WASHER OUTLET BOX	1/2"	1/2"	2"	1-1/2"		BUTTERFLY VALVE		SHUT OFF (BALL, GATE, BUTTERFLY)
DF	DRINKING FOUNTAIN / WATER COOLER	-	1/2"	1-1/2"	1-1/2"		GLOBE VALVE		CHECK VALVE
DM	DISH MACHINE ROUGH-IN	3/4"	3/4"	2"	1-1/2"		FLOW CONTROL VALVE		BALL VALVE
DW	DISHWASHER ROUGH-IN	1/2"	-	2"	1-1/2"		PLUG OR BALANCING VALVE		FLOW BALANCING VALVE
FD	FLOOR DRAIN	-	-	2"	1-1/2"		PLUG VALVE IN RISER		GATE OR GLOBE VALVE IN RISER
FRIG	REFRIG/ICE MAKER BOX	-	1/2"	-	-		DRAIN VALVE W/ HOSE END		TEMPERATURE CONTROL VALVE (2-WAY)
FS	FLOOR SINK	-	-	2"	1-1/2"		TEMPERATURE CONTROL VALVE (3-WAY)		PRESSURE REDUCING VALVE
HB	HOSE BIB	-	3/4"	-	-		SOLENOID VALVE		VENTURI/FLOW INDICATOR
HS	HAND SINK	1/2"	1/2"	1-1/2"	1-1/2"		PUMP & EQUIPMENT CONNECTOR		PIPE UNION
KS	KITCHEN SINK W/ OR W/O DISPOSAL	1/2"	1/2"	2"	1-1/2"		DOUBLE CHECK BACKFLOW PREVENTER		PIPE ANCHOR
LAV	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"		PIPE EXPANSION JOINT		FLEXIBLE CONNECTOR
MSB	MOP SERVICE BASIN	3/4"	3/4"	3"	2"		SAFETY RELIEF VALVE		AIR VENT
SH/SHWR	SHOWER	3/4"	3/4"	2"	1-1/2"		PRESSURE - TEMP. TAP		PRESSURE GAUGE W/ PIG TAIL & COCK
SH/TUB	SHOWER/BATHTUB	3/4"	3/4"	2"	1-1/2"		THERMOMETER		VACUUM BREAKER
TUB	BATHTUB	3/4"	3/4"	2"	1-1/2"		STRAINER W/ BLOW-OFF VALVE		SHOCK ABSORBER
SS	SERVICE SINK	1/2"	1/2"	3"	2"		FLOW SWITCH		HORIZONTAL CLEANOUT
TD	TRENCH DRAIN	-	-	3"	2"		VERTICAL CLEANOUT		FLOOR DRAIN
UR	URINAL (BLOWOUT)	-	1"	2"	1-1/2"		FLOOR SINK		ROOF DRAIN
UR	URINAL (WASHDOWN)	-	3/4"	2"	1-1/2"		DECK/ROOF DRAIN ABOVE		TEMPERATURE CONTROLLER OR SENSOR
UR	URINAL (WATERLESS)	-	-	2"	1-1/2"		HOSE BIBB		WALL HYDRANT
WC	WATER CLOSET (FLUSH VALVE)	-	1"	4"	2"		STEAM TRAP TEST CHAMBER		STEAM TRAP
WC	WATER CLOSET (FLUSH TANK)	-	1/2"	4"	2"		FT-FLOAT & THERMOSTATIC		TD-THERMODYNAMIC
WS	WORK SINK	3/4"	3/4"	2"	1-1/2"		IB-INVERTED BUCKET		TS-THERMALSTATIC
NOTES:					NOTES				
1. SIZES SHOWN ARE MINIMUM PIPE SIZES TO A SINGLE FIXTURE. LARGER SIZES MAY BE INDICATED ON PLANS WHERE REQUIRED.					1. ALL SYMBOLS, ABBREVIATIONS, AND DESIGNATIONS ON LEGEND SHEET ARE NOT NECESSARILY USED ON THIS PROJECT.				
2. MINIMUM DOMESTIC PIPE SIZE TO (2) OR MORE FIXTURES IS 3/4".					2. THIS DRAWING SET CONSISTS OF DATA GENERATED, IN PART, BY OTHER PARTIES. NOT ALL SYMBOLOGIES AND NOTATION CONVENTIONS OCCURRING IN THIS DRAWING SET ARE NECESSARILY DEFINED ON THESE LEGENDS. CONSULT THE ENGINEER IN THE EVENT SYMBOLOGY OR NOTATION INTERPRETATION IS REQUIRED.				
3. RE: MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR INDIRECT WASTE SIZES.									
4. WASTE AND VENT SIZES SHOWN ABOVE APPLY TO INDIVIDUAL VENTING ONLY. WHERE ALLOWED, INDIVIDUAL VENT CONNECTIONS MAY BE OMITTED OR SIZES MAY VARY WHEN CIRCUIT VENTS, COMMON VENTS, WASTE STACK VENTS, WET VENTS, OR COMBINATION DRAIN AND VENT SYSTEMS ARE USED. PRIOR APPROVAL FROM THE ENGINEER IS REQUIRED TO USE THESE ALTERNATIVE VENTING METHODS.									
5. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS AND FLOOR SINKS NOT LOCATED IN FOOD SERVICE AREAS.									
6. MINIMUM SIZE FOR WASTE AND VENT PIPING BENEATH SLAB IS 2".									
7. ALL FIXTURES LISTED ARE NOT NECESSARILY USED ON THIS PROJECT.									
8. REFER TO APPLIANCE SCHEDULES (BY OTHERS) FOR ADDITIONAL PLUMBING FIXTURE CONNECTIONS SUCH AS INSTA-HOTS, COFFEE MAKERS, AND GARBAGE DISPOSALS.									
9. PROVIDE ICE MAKER BOX ROUGH IN W/ 1/2"CW CONNECTION FOR ALL REFRIGERATOR LOCATIONS.									
10. DESIGNER TO CONFIRM FLOW RATE OF FLOOR DRAINS, FLOOR SINKS, ETC. WITH ACTUAL SIZE REQUIRED.									
REFERENCE SAMPLE					EQUIPMENT ABBREVIATIONS				
RE: BIM400 FFI					AHU	AIR HANDLING UNIT	AAV	AIR ADMITTANCE VALVE	PLAN ABBREVIATIONS
FFI = FOR FURTHER INFORMATION					AS	AIR SEPARATOR	ABV	ABOVE	AIR ADMITTANCE VALVE
FCT = FOR CONTINUATION					B	BOILER (HOT WATER)	AFF	ABOVE FINISHED FLOOR	ABOVE
SHEET NUMBER					BB	BASE BOARD	AFG	ABOVE FINISHED GRADE	ABOVE FINISHED FLOOR
DRAWING NUMBER OR DIAGRAM LETTER					BT	BUFFER TANK	AUTO	AUTOMATIC	ABOVE FINISHED GRADE
REFER TO:					CC	COOLING COIL	BCS	BUILDING CONTROL SYSTEM	AUTOMATIC
					CH	CHILLER	BDD	BACK DRAFT DAMPER	BUILDING CONTROL SYSTEM
					CP OR P	CIRC PUMP	BFG	BELOW FINISHED GRADE	BACK DRAFT DAMPER
					CT	COOLING TOWER	BNG	BUILDING	BELOW FINISHED GRADE
					CUH	CABINET UNIT HEATER	C	COMMON (OR CLOSED)	BUILDING
					CV	CONSTANT VOLUME BOX	CA	COMBUSTION AIR	BETWEEN
					DC	DUCT COIL	CC	CONTROLS CONTRACTOR	COMMON (OR CLOSED)
					DEF	DISHWASHER EXHAUST FAN	CDBBC	CONTINUATION DESIGN BUILD BY CONTRACTOR	COMBUSTION AIR
					EBH	ELECTRIC BASEBOARD HEATER	CFM	CUBIC FEET PER MINUTE (AIR FLOW RATE)	CONTROLS CONTRACTOR
					ECU	EVAPORATIVE COOLING UNIT	CIP	CAST IN PLACE	CONTINUATION DESIGN BUILD BY CONTRACTOR
					EF	EXHAUST FAN	CLG	CEILING (OR COOLING)	CUBIC FEET PER MINUTE (AIR FLOW RATE)
					ERU	ENERGY RECOVERY UNIT	CO	CLEANOUT	CEILING (OR COOLING)
					ET	EXPANSION TANK	CONC	CONCRETE	CLEANOUT
					EPH	ELECTRIC WATER HEATER	COND	CONDENSATE	CONCRETE
					F	FURNACE	CONN	CONNECT (OR CONNECTION)	CONDENSATE
					FC	FAN COIL	CONTR	CONTRACTOR	CONNECT (OR CONNECTION)
					FP	FAN POWERED BOX	COTG	CLEANOUT TO GRADE	CONTRACTOR
					GF	GLYCOL FEEDER	COW	COLD WATER	CLEANOUT TO GRADE
					H	HUMIDIFIER	DHR	DOMESTIC HOT WATER RECIRC	COLD WATER
					HC	HEATING COIL	DHW	DOMESTIC HOT WATER	DOMESTIC HOT WATER RECIRC
					HP	HEAT PUMP	DN	DOWN	DOMESTIC HOT WATER
					HX	HEAT EXCHANGER	DW	DOMESTIC WATER	DOWN
					KEF	KITCHEN EXHAUST FAN	DWR	DOMESTIC HOT WATER RECIRC	DOMESTIC WATER
					MAU	MAKE-UP AIR UNIT	(E)	EXISTING	DOMESTIC HOT WATER RECIRC
					MCC	MOTOR CONTROL CENTER	EA	EXHAUST AIR	EXISTING
					MV	MIXING VALVE	EAT	ENTERING AIR TEMPERATURE	EXHAUST AIR
					P	PUMP	EC	ELECTRICAL CONTRACTOR	ENTERING AIR TEMPERATURE
					RF	RETURN (OR RELIEF) AIR FAN	EW	ENTERING WATER TEMPERATURE	ELECTRICAL CONTRACTOR
					RZ	RADIANT ZONE	EXH	EXHAUST	ENTERING WATER TEMPERATURE
					SA	SNOWMELT AREA	(F)	FUTURE	EXHAUST
					SB	SUMP BASIN	FA	FREE AREA	FUTURE
					SF	SUPPLY FAN	FBO	FURNISHED BY OWNER	FREE AREA
					SP	SUMP PUMP	FCO	FLOOR CLEANOUT	FURNISHED BY OWNER
					ST	STORAGE TANK	FCT	FOR CONTINUATION	FLOOR CLEANOUT
					TMV	THERMOSTATIC MIXING VALVE	FD	FIRE DAMPER	FOR CONTINUATION
					UH	UNIT HEATER	FFI	FOR FURTHER INFORMATION	FIRE DAMPER
					VR	VARIABLE VOLUME BOX W/ REHEAT	FSD	COMBINATION FIRE/SMOKE DAMPER	FOR FURTHER INFORMATION
					VV	VARIABLE VOLUME BOX	GC	GENERAL CONTRACTOR	COMBINATION FIRE/SMOKE DAMPER
					WH	WATER HEATER	GHX	GROUND HEAT EXCHANGER	GENERAL CONTRACTOR
							GPM	GALLONS PER MINUTE (WATER FLOW RATE)	GROUND HEAT EXCHANGER
							HP	HORSEPOWER	GALLONS PER MINUTE (WATER FLOW RATE)
							HW	HOT WATER	HORSEPOWER
							HWC	HOT WATER RECIRC	HOT WATER
							ILO	IN LIEU OF	HOT WATER RECIRC
							KW	KILOWATTS	IN LIEU OF
							LAT	LEAVING AIR TEMPERATURE	KILOWATTS
							LF	LINEAR FOOT	LEAVING AIR TEMPERATURE
							LWT	LEAVING WATER TEMPERATURE	LINEAR FOOT
							MC	MECHANICAL CONTRACTOR	LEAVING WATER TEMPERATURE
							MFR	MANUFACTURER	MECHANICAL CONTRACTOR
							MOD	MOTOR OPERATED DAMPER	MANUFACTURER
							(N)	NEW	MOTOR OPERATED DAMPER
							NC	NORMALLY CLOSED	NEW
							NEC	NATIONAL ELECTRIC CODE	NORMALLY CLOSED
							NIC	NOT IN CONTRACT	NATIONAL ELECTRIC CODE
							NO	NORMALLY OPEN	NOT IN CONTRACT
							OA	OUTSIDE AIR	NORMALLY OPEN
							OB	OPPOSED BLADE VOLUME DAMPER	OUTSIDE AIR
							OC	ON CENTER	OPPOSED BLADE VOLUME DAMPER
							OSA	OUTSIDE AIR	ON CENTER
							RA	RETURN AIR	OUTSIDE AIR
							RE:	REFER TO:	RETURN AIR
							REQ'D	REQUIRED	REFER TO:
							REQ/MTS	REQUIREMENTS	REQUIRED
							SA	SUPPLY AIR	REQUIREMENTS
							SF	SQUARE FOOT (FEET)	SUPPLY AIR
							SP	STATIC PRESSURE	SQUARE FOOT (FEET)
							SS	STAINLESS STEEL	STATIC PRESSURE
							TA	THROW-AWAY (TRANSFER AIR)	STAINLESS STEEL
							TYP	TYPICAL	THROW-AWAY (TRANSFER AIR)
							UNO	UNLESS NOTED OTHERWISE	TYPICAL
							W/	WITH	UNLESS NOTED OTHERWISE
							W/O	WITHOUT	WITH
							WCO	WALL CLEANOUT	WITHOUT
							WRT	WITH REGARD TO	WALL CLEANOUT
							W/C	WATER COOLED	WITH REGARD TO
							VTR	VENT THRU ROOF	WATER COOLED
							XFR	TRANSFER	VENT THRU ROOF
							Ø	DIAMETER	TRANSFER
									DIAMETER
DUCT/PIPE RISER DESIGNATION KEY					PIPING DESIGNATIONS				
PIPING SIDE:					HYDRONIC PIPING				
CH - CHILLED WATER					CS	CONDENSER SUPPLY	CHS	CHILLED WATER SUPPLY	CONDENSER SUPPLY
DW - DOMESTIC WATER					CR	CONDENSER RETURN	CHR	CHILLED WATER RETURN	CONDENSER RETURN
HW - HEATING WATER							CCS	CLOSED CONDENSER SUPPLY	CLOSED CONDENSER SUPPLY
G - GAS							CCR	CLOSED CONDENSER RETURN	CLOSED CONDENSER RETURN
W V - WASTE AND/OR VENT									
PR - PIPING RISER (MISC TYPES)									
ST - STORM DRAIN									
ST(OFF) - SECONDARY STORM DRAIN									
AIR SIDE:									
EA/EXH - EXHAUST AIR									
OA/OSA - OUTSIDE AIR									
RA - RETURN AIR									
SA - SUPPLY AIR									
RISER NUMBER									
PR 203									
AIR DEVICE DESIGNATION KEY					DUCTWORK LEGEND				
TYPE OF AIR DEVICE RE: GRD SCHEDULE.					SINGLE LINE				
# = AIR QUANTITY (CFM)					DESCRIPTION				
CA = COMBUSTION AIR					DOUBLE LINE				
EXH = EXHAUST									
OSA = OUTSIDE AIR									
RA = RETURN AIR									
XFR = TRANSFER									
SIZE (INCHES) OR MINIMUM FREE AREA REQUIRED IN SQUARE FEET.									
150 12x6									
XFR 12x6									
INDICATES AIR INLET DEVICE.									
NOTE: FOR STANDARD MODULE SIZE REGISTERS, SIZE GIVEN IS NECK SIZE. REFER TO GRD SCHEDULE FOR MODULE SIZE.									



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**1 BASEMENT MECHANICAL DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

**DEMOLITION NOTES:**

1. ADDITIONAL STORM, HYDRONIC, DOMESTIC, WASTE AND VENT PIPING MAY BE ROUTED IN SPACE THAT IS NOT REPRESENTED, BUT IS TO REMAIN. OTHER SYSTEMS MAY EXIST WITHIN THE SPACE THAT ARE NOT REPRESENTED ON THESE DRAWINGS. MODIFICATIONS TO THESE SYSTEMS ARE NOT ANTICIPATED.
2. FIELD VERIFY ALL COMPONENTS PRIOR TO DEMOLITION. THE INFORMATION ON THIS SHEET WAS OBTAINED, IN PART, FROM HISTORIC DESIGN DRAWINGS. ONLY PORTIONS OF THE SYSTEMS WERE ACCESSIBLE FOR VISUAL CONFIRMATION DURING DESIGN PROCESS.
3. REMOVE ALL MECHANICAL ITEMS INDICATED.
4. TEMPORARILY SEAL OR CAP PIPING TO BE RE-USED FOR LATER CONNECTION.
5. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OF INFORMATION REPRESENTED IN THE DOCUMENTS VERSUS WHAT IS FOUND IN THE FIELD.
6. COORDINATE PATCHING AND REPAIRS OF WALLS, CEILINGS AND FLOORS WITH ARCHITECT.

**DEMO FLAG NOTES:**

1. DISCONNECT AND REMOVE SINK. PROTECT SANITARY, VENT, COLD AND HOT WATER PIPING IN PLACE AND CAP FOR EXTENSION TO NEW SINK.

**OFFICE OF  
ADVANCEMENT  
RENOVATION**

REGENT ADMINISTRATIVE CENTER, BOULDER CO  
80309



DATE	DESCRIPTION
07.08.2022	100%DD
08.09.2022	90% CD
10.18.2022	100% CD For Construction

DRAWN BY: VJF      CHECKED BY: VJF  
PROJECT NO.: 221500a      INITIAL DATE: 10/07/22

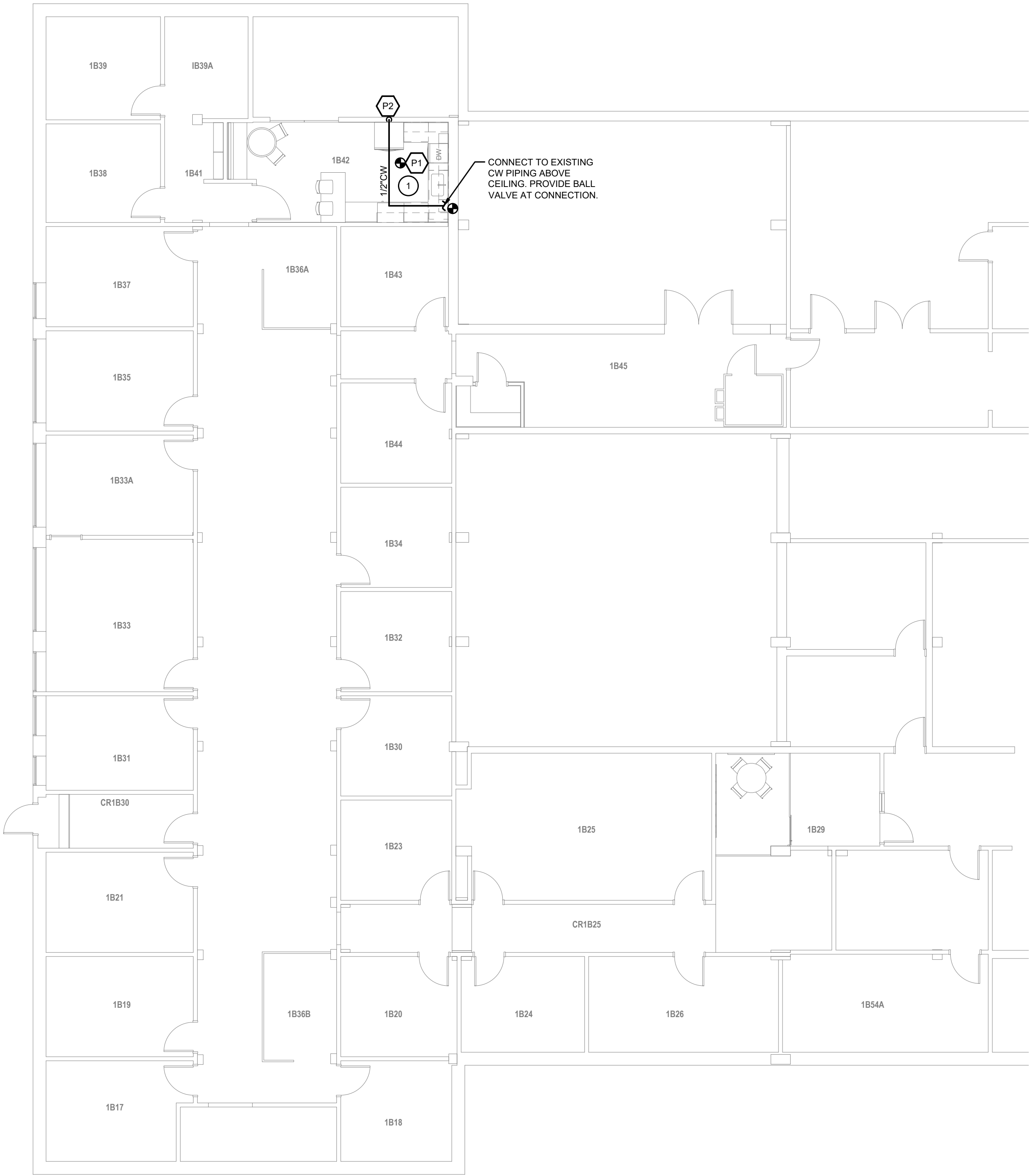
BASEMENT MECHANICAL DEMOLITION  
PLAN

**MD-101**





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**1 BASEMENT MECHANICAL PLAN**  
SCALE: 1/8" = 1'-0"

**MECHANICAL NOTES:**

1. ALL VALVES SHALL BE INSTALLED ABOVE DROP-IN CEILINGS IN ACCESSIBLE LOCATIONS, OR WITH ACCESS PANELS IN HARD-LID CEILINGS.
2. REFER TO THE PLUMBING FIXTURE CONNECTION SCHEDULE FOR PIPE SIZES TO INDIVIDUAL FIXTURES.

**FLAG NOTES:**

1. EXTEND NEW 1/2" CW AND HW PIPING. 2" WASTE PIPING AND 1-1/2" VENT PIPING PROTECTED DURING DEMOLITION TO NEW SINK LOCATION.

**OFFICE OF  
ADVANCEMENT  
RENOVATION**

REGENT ADMINISTRATIVE CENTER, BOULDER CO  
80309



DATE	DESCRIPTION
07.08.2022	100%DD
08.09.2022	90% CD
10.18.2022	100% CD For Construction

DRAWN BY: VJF      CHECKED BY: VJF  
PROJECT NO.: 2215008      INITIAL DATE: 10/07/22

BASEMENT MECHANICAL PLAN

**M-101**





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GENERAL NOTES:

1. READ THE SPECIFICATIONS (PROJECT MANUAL) AND REVIEW DRAWINGS OF ALL DIVISIONS OF WORK. COORDINATE THE WORK HEREIN WITH ALL OTHER DIVISIONS OF WORK AND ALL SUBCONTRACTORS. PROVIDE ALL SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID. DRAWINGS AND SPECIFICATIONS GOVERN, WHERE THEY EXCEED CODE REQUIREMENTS.

2. DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS ON ARCHITECTURAL DRAWINGS AND IN FIELD PRIOR TO COMMENCEMENT OF WORK. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZES AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS. FINAL LOCATION OF OUTLETS AND EQUIPMENT SHALL BE AS APPROVED BY THE ARCHITECT. IT IS NOT WITHIN THE SCOPE OF DRAWINGS TO SHOW ALL NECESSARY BENDS, OFFSETS, PULL BOXES AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.

3. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

4. SYSTEM OUTAGES SHALL BE PERMITTED ONLY AT TIMES APPROVED BY OWNER - IN WRITING. WORK WHICH COULD RESULT IN AN ACCIDENTAL OUTAGE (BEYOND BRANCH CIRCUITS) SHALL BE PERFORMED WITH THE OWNER'S MAINTENANCE PERSONNEL ADVISED OF SUCH WORK.

5. SERVICE SHALL BE MAINTAINED TO EXISTING AREAS DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE PORTABLE GENERATORS, CABLES, OUTLETS, ETC. AS REQUIRED TO MAINTAIN CONTINUITY OF SERVICE. PLACEMENT OF SUCH PORTABLE EQUIPMENT SHALL BE SUBJECT TO OWNER APPROVAL..

6. REVIEW ARCHITECTURAL, MECHANICAL AND OTHER DRAWINGS PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ALL TRADES AND ELECTRICAL REFERENCES ON ARCHITECTURAL DRAWINGS. COORDINATE EXACT COLOR, LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES AND DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.

7. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWING SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS.

8. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.

9. WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.

10. CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS.

11. EXISTING SYSTEMS AND CONDITIONS SHOWN ON DRAWINGS FOR EXISTING BUILDINGS ARE TO BE NOTED "FOR GUIDANCE ONLY". THE ELECTRICAL CONTRACTOR TO FIELD CHECK ALL EXISTING CONDITIONS PRIOR TO BIDDING AND TO INCLUDE IN HIS BID AN ALLOWANCE FOR REMOVAL AND/OR RELOCATION OF EXISTING CONDUITS, WIRES, DEVICES, FIXTURES, OR OTHER EQUIPMENT AS INDICATED ON THE PLANS OR AS REQUIRED TO COORDINATE AND ADAPT NEW AND EXISTING ELECTRICAL SYSTEM TO ALL OTHER WORK AS REQUIRED.

12. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR PARTITIONS SHALL BE SEALED TO PREVENT THE SPREAD OF SMOKE AND FIRE THROUGH THEM. THE FIRE RATING OF THE PENETRATION SEAL SHALL AT A MINIMUM BE THE SAME RATING AS THAT OF THE FLOOR OR WALL. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

13. PROVIDE A SEPARATE CODE SIZED GREEN EQUIPMENT GROUND CONDUCTOR IN ALL CONDUITS AND RACEWAYS CONTAINING LINE VOLTAGE CIRCUITS. FOR ALL 20A CIRCUITS, EQUIPMENT GROUND CONDUCTOR SIZE SHALL MATCH PHASE CONDUCTOR SIZE. FOR CIRCUITS UPSIZED FOR VOLTAGE DROP INCREASE EQUIPMENT GROUNDING CONDUCTOR SIZE PER CODE.

14. PROVIDE ELECTRICAL DEMOLITION REQUIRED. REFER TO ARCHITECTURAL AND ELECTRICAL DEMOLITION DRAWINGS FOR LOCATION AND EXTENT OF DEMOLITION REQUIRED. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO DETERMINE EXTENT OF WORK INVOLVED.
15. PROVIDE ALL NECESSARY DEMOLITION TO REMOVE EXISTING UNUSED CONDUIT, WIRE, CABLE, J-BOXES, RECEPTACLES, SWITCHES, LIGHTS, FIRE ALARMS DEVICES, ETC. COMPLETE WITH ASSOCIATED CIRCUITING TO SOURCE. WHERE IT IS NOT FEASIBLE TO REMOVE THE ABOVE, OUTLET SHALL BE ABANDONED, WIRE REMOVED, AND BLANK COVER PLATES PROVIDED.

16. THE CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF THE EXISTING CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH AS, AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.

17. ALL (E) EQUIPMENT, LAMPS, BALLASTS, ETC. BEING REMOVED SHALL BE DISCARDED IN ACCORDANCE WITH APPLICABLE EPA REQUIREMENTS.

18. VERIFY LOCATIONS FOR ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS FOR INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT. VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILING AND LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.

19. INSTALL ALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANY DEVIATIONS SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION PRIOR TO INSTALLATION.

20. FINAL CONNECTIONS TO EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.

21. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION, OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.

22. UPON COMPLETION OF ALL ELECTRICAL WORK, ELECTRICAL CONTRACTOR SHALL ADJUST AND TEST ALL CIRCUITS, OUTLETS, SWITCHES, LIGHTS, MOTORS, AND ANY OTHER ELECTRICAL ITEMS SHALL BE IMMEDIATELY REPAIRED OR REPLACED WITH ALL NEW EQUIPMENT AND THAT PART OF THE SYSTEM SHALL THEN BE RETESTED. ALL SUCH REPLACEMENT OR REPAIR SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

23. AFTER COMPLETION OF WORK UNDER THIS SECTION, CLEAN-UP ALL RESULTANT DEBRIS FROM THIS WORK AND REMOVE FROM THE SITE.

24. ALL ELECTRICAL SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY.

25. ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A 200LB NYLON PULL STRING OR EQUAL, AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATION, AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.

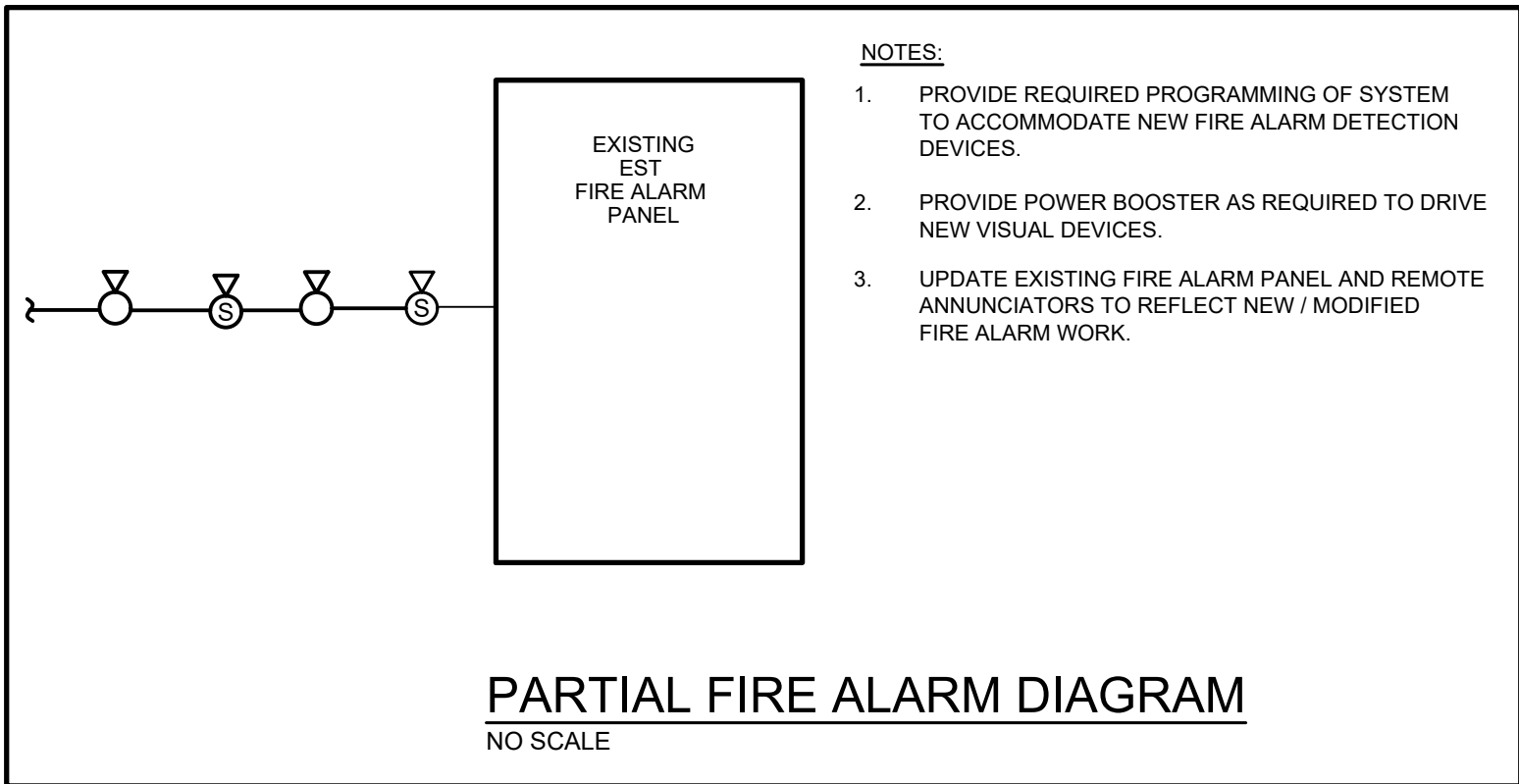
26. PROVIDE NEW UPDATED PANELBOARD DIRECTORIES FOR EXISTING AND NEW CIRCUITS BEING UTILIZED FOR COMPLETION OF PROJECT.

27. PANEL DIRECTORIES SHALL BE REMOVABLE. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. DIRECTORIES SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVERS.

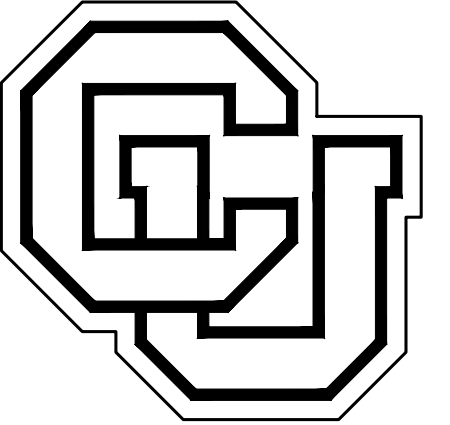
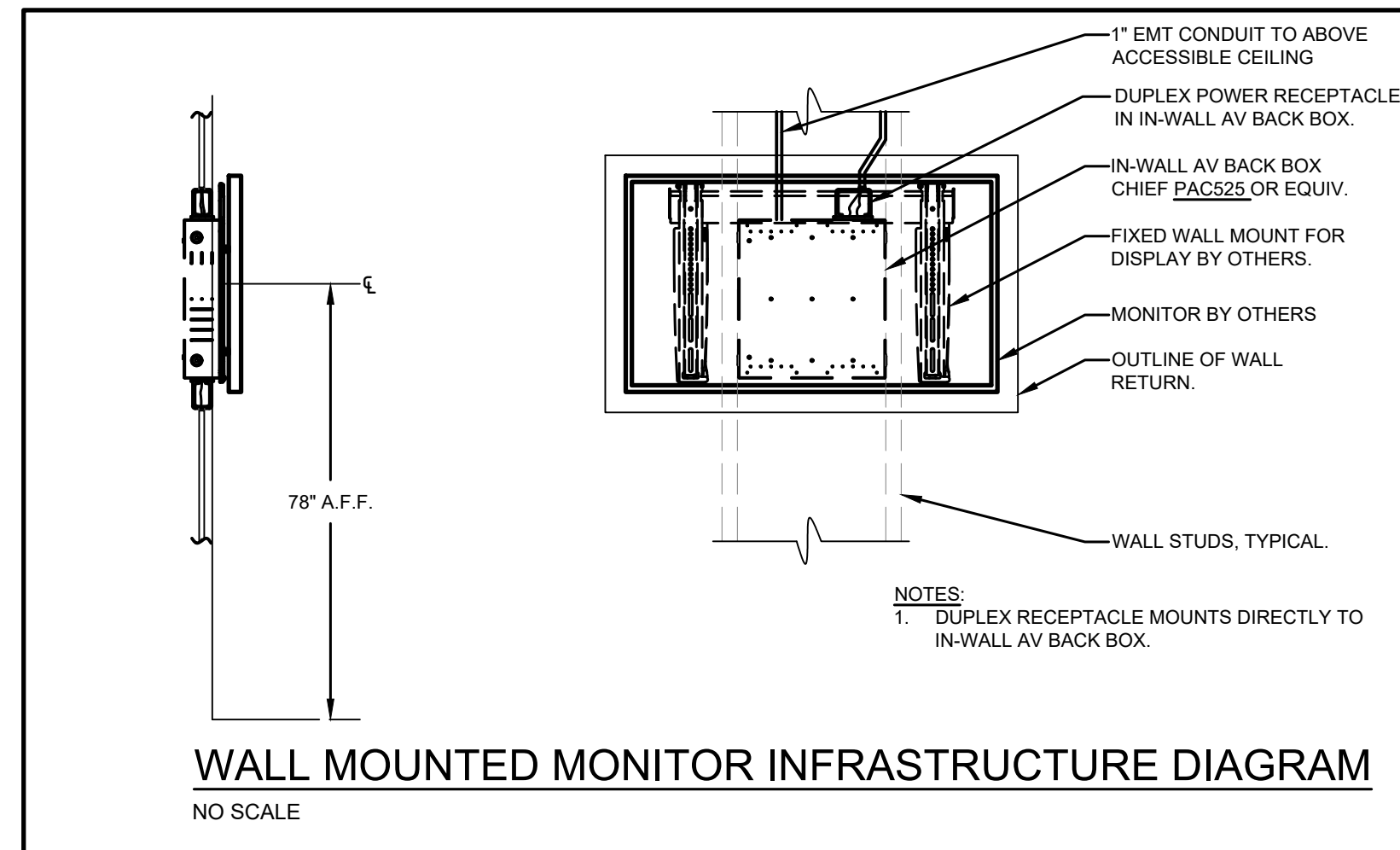
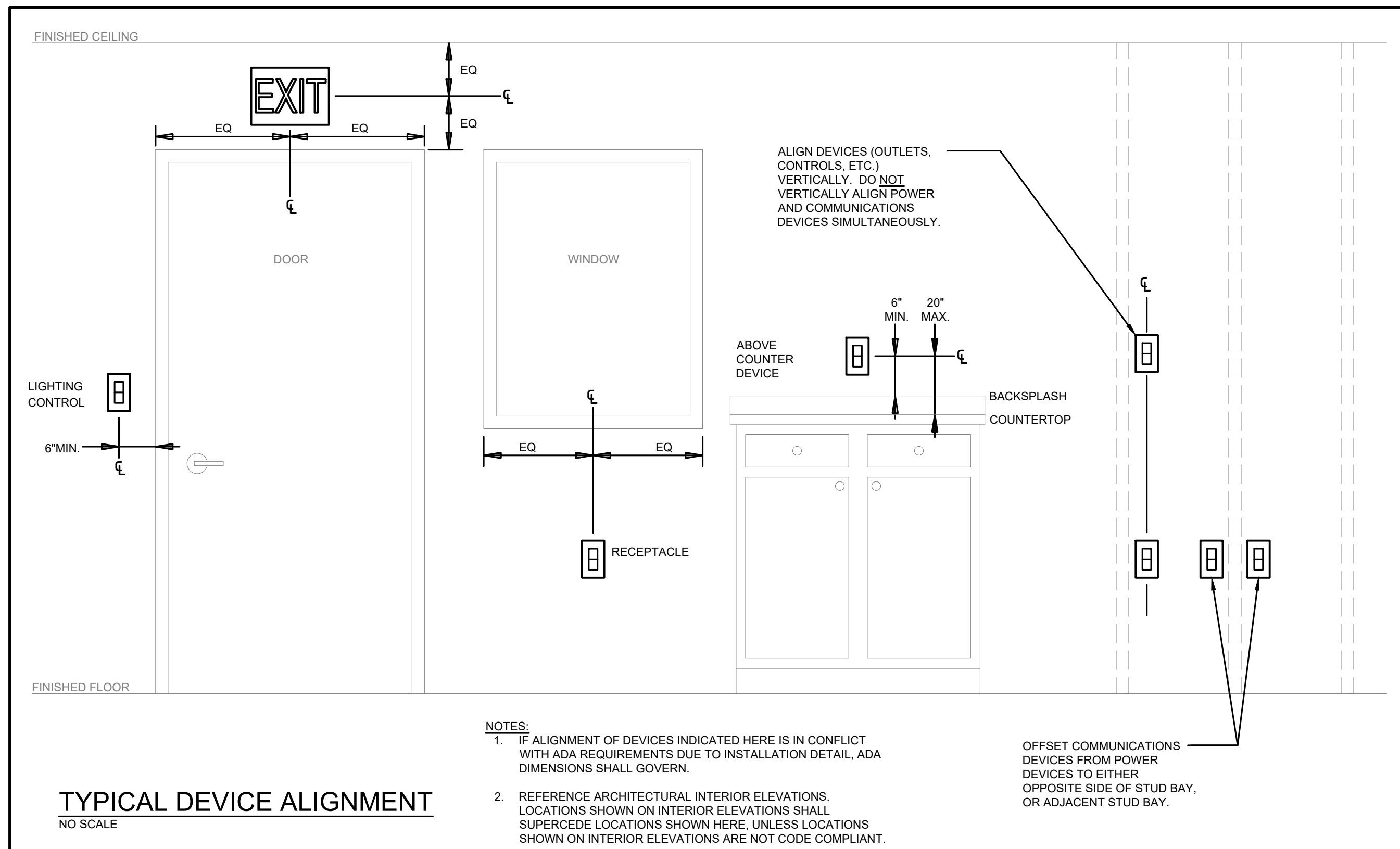
28. FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT SHALL BE SEAL TITE FLEX AND APPROVED FITTINGS. DO NOT SECURE CONDUITS, DISCONNECTS, OR DEVICES TO DUCTWORK OR MECHANICAL EQUIPMENT.

29. GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER.

30. SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC. SHALL BE CONNECTED AND OPERABLE.







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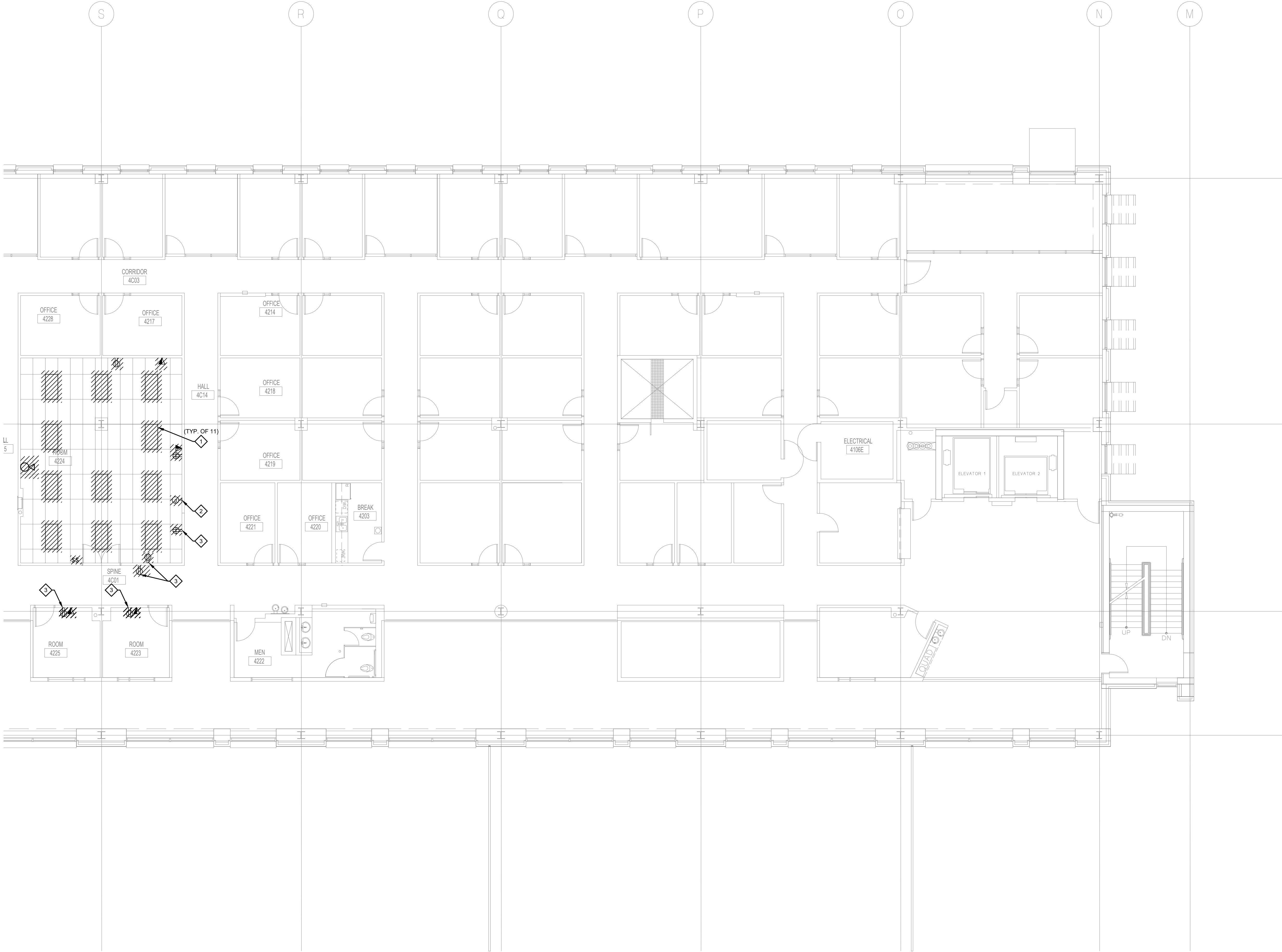
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## ELECTRICAL DIAGRAMS

E-002



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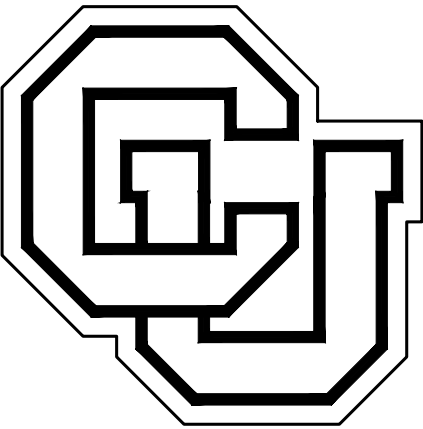


DEMOLITION NOTES:

- DEMOLITION PLAN INDICATES A DESIRED SCOPE OF WORK; THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IN FIELD PRIOR TO START OF WORK.
- CONDITIONS MAY EXIST WHERE (E) CABLING AND/OR EQUIPMENT IS INSTALLED WITHIN AN AREA OF DEMOLITION THAT IS INTENDED TO REMAIN IN ORDER TO KEEP SYSTEMS OUTSIDE OF THE AREA OF DEMOLITION IN OPERABLE CONDITION. CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION AND EXERCISE CARE WHEN PERFORMING DEMOLITION AROUND SUCH CABLING AND EQUIPMENT.
- ALL SYSTEMS LOCATED OUTSIDE THE AREA OF DEMOLITION ARE INTENDED TO REMAIN OPERABLE.
- FOR ALL ITEMS TO BE DEMOLISHED REMOVE CIRCUIT BACK TO POINT OF CONNECTION. MAKE BRANCH CIRCUIT WITH REMAINING DEVICES CONTINUOUS.
- ELECTRICAL CONTRACTOR SHALL REMOVE ALL DEMOLISHED ITEMS FROM SITE UNLESS OWNER WISHES TO RETAIN. ITEMS REMOVED FROM SITE SHALL BE DISPOSED OF IN A LEGAL MANNER.
- EVERY ATTEMPT WAS MADE TO LOCATE ALL ITEMS TO BE INCLUDED IN THE DEMOLITION SCOPE IN THIS OCCUPIED SPACE. ELECTRICAL CONTRACTOR SHALL PROVIDE A REASONABLE ALLOWANCE TO INCLUDE THE REMOVAL OF ITEMS NOT INDICATED ON THE ELECTRICAL DEMOLITION PLAN.

DEMO NOTES:

- DISCONNECT AND REMOVE 3-LAMP FLUORESCENT FIXTURE.
- DISCONNECT AND REMOVE SYSTEM FURNITURE POWER JUNCTION BOX.
- DISCONNECT AND REMOVE RECEPTACLE TO ALLOW FOR INSTALLATION OF NEW WINDOWS. PROTECT EXISTING RECEPTACLE BRANCH CIRCUIT FOR EXTENSION TO NEW RECEPTACLE IN SAME ROOM.



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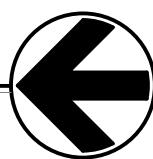
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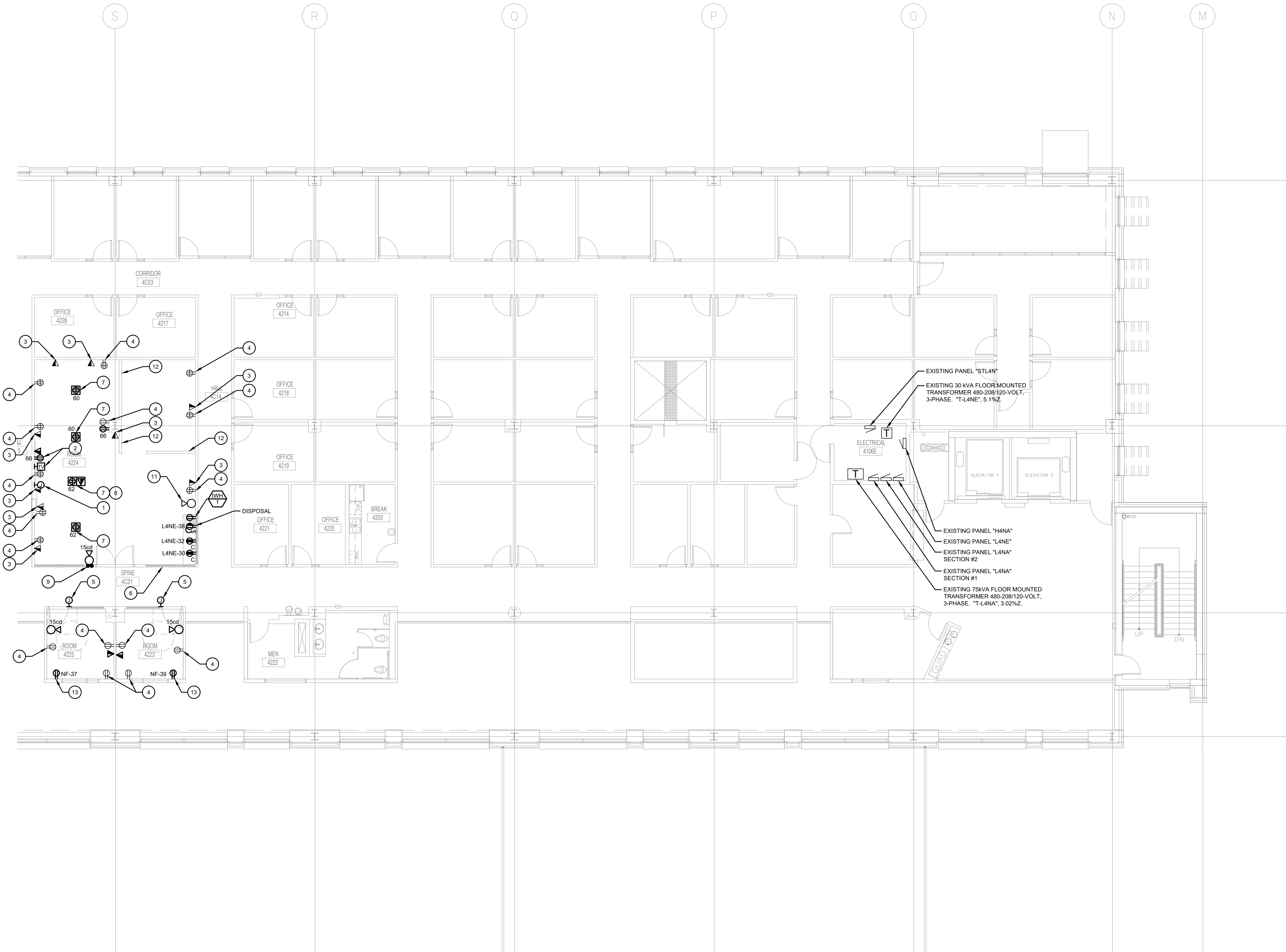
4TH FLOOR ELECTRICAL  
DEMOLITION PLAN

ED-101

1 4TH FLOOR ELECTRICAL DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



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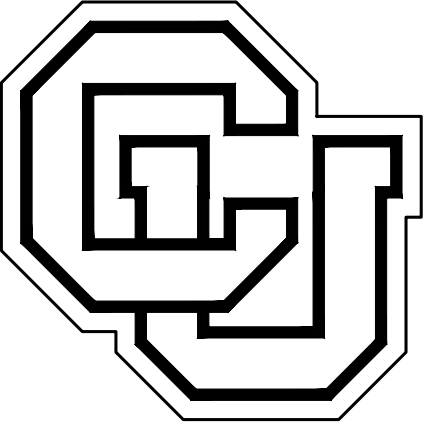


POWER NOTES:

1. REFER TO ARCHITECTURAL PLANS AND INTERIOR ELEVATIONS FOR FINAL RECEPTACLE AND FEEDER PLACEMENT. COORDINATE ALL RECEPTACLE AND WIRING LOCATIONS WITH FIXTURES, APPLIANCES, FURNITURE, CABINETS, AND OTHER EQUIPMENT PRIOR TO ROUGH-IN.
2. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CIRCUIT, DISCONNECT, AND CONDUCTORS FOR MECHANICAL EQUIPMENT.
3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATING THE LOCATION OF ELECTRICAL EQUIPMENT, JUNCTION BOXES, DISCONNECTS, ETC. EC SHALL BE RESPONSIBLE FOR COORDINATION AND THE ROUTING OF FEEDERS, AND BRANCH CIRCUITS.
4. COORDINATE POWER CONNECTIONS FOR OWNER PROVIDED EQUIPMENT AND APPLIANCES, AND ALL OTHER EQUIPMENT PROVIDED BY OTHER DIVISIONS WITH SUBMITTAL DATA CUT SHEETS, WIRING DIAGRAMS, OTHER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, FIELD COORDINATE FINAL LOCATIONS OF EQUIPMENT AND POWER CONNECTIONS WITH GENERAL CONTRACTOR AND ALL OTHER TRADES/ DIVISIONS/CONTRACTORS PRIOR TO ROUGH-IN.
5. FOR EACH NEW COMMUNICATION DEVICES INDICATED PROJECT 4"x4" RECESSED JUNCTION BOX WITH A SINGLE GANG MUD RING. FROM JUNCTION BOX ROUTE 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING ON EXPOSED END OF CONDUIT.
6. THE NUMBER NEXT TO ELECTRICAL DEVICES INDICATE BRANCH CIRCUIT DEVICE SHALL OCCUPY IN PANEL AND UNLESS NOTED OTHERWISE.

④ FLAG NOTES:

1. PROVIDE A RECESSED 2-GANG BACKBOX AT +48" ABOVE FINISHED FLOOR FOR INSTALLATION OF LOW VOLTAGE CONTROLS (BY CU). FROM BACKBOX ROUTE TWO 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING ON EXPOSED END OF CONDUIT.
2. MONITOR COMMUNICATION AND POWER CONNECTIONS. REFER TO WALL MOUNTED MONITOR INFRASTRUCTURE DIAGRAM FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. EXISTING COMMUNICATION DEWIT TO REMAIN.
4. EXISTING POWER RECEPTACLE TO REMAIN.
5. PROVIDE 4"x4" RECESSED JUNCTION BOX WITH A SINGLE GANG MUD RING FOR INSTALLATION OF CARD READER (BY OTHERS). FROM JUNCTION BOX ROUTE TWO 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING ON EXPOSED END OF CONDUIT.
6. ELECTRICAL CONTRACTOR SHALL RELOCATE ANY CONDUIT, CABLING, ETC. NEEDED TO ALLOW FOR THE INSTALLATION OF NEW WINDOWS BEING INSTALLED IN EXISTING WALLS. IT IS BELIEVED THAT ONLY ONE CONDUIT WILL NEED TO BE RELOCATED IN THIS WALL TO ALLOW FOR THE INSTALLATION NEW WINDOW IN WALL.
7. PROVIDE HUBBELL #51R6PFT/IT (6 INCH FIRE RATED POKE-THROUGH), #51R6CVRAL (ALUMINUM FINISH COVER), #51R6SP (DESOR SUB-PLATE) AND #51R6SP1 (DUPLEX DEVICE OPENING). PROVIDE 1/2" EMT RECEPTACLE. PROVIDE GROUND PENETRATING DRILLER INSPECTION OF FLOOR PRIOR TO CORE DRILLING FOR FIRE RATED POKE-THROUGH.
8. FROM FIRE RATED POKE-THROUGH ROUTE 1" EMT IN THIRD FLOOR CEILING, UP INDICATED NEW FLOOR PENETRATIONS, UP WALL TO ABOVE 4TH FLOOR CEILING. PROVIDE BUSHING ON EXPOSED END OF CONDUIT. ONLY THIS FIRE RATED FLOOR BOX WILL BE PROVIDE WITH THIS COMMUNICATION CONDUIT.
9. NEW FLOOR PENETRATIONS TO ALLOW FOR THE ROUTING OF COMMUNICATION CONDUITS FROM 3RD FLOOR CEILING TO ABOVE 4TH FLOOR CEILING.
10. PROVIDE HUBBELL HUS280AACSW 20-AMP DUPLEX RECEPTACLE WITH TYPE A AND TYPE C USB PORT.
11. EXISTING FIRE ALARM NOTIFICATION APPLANCE TO REMAIN.
12. PARTIAL HEIGHT WALL.
13. THIS RECEPTACLE SHALL BE CIRCUTED WITH THIS EXISTING ROOM RECEPTABLES.



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PROJECT: 2147ED	INITIAL DATE: FEB 22

## 4TH FLOOR ELECTRICAL POWER PLAN

E-101

## 1 4TH FLOOR ELECTRICAL POWER PLAN

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

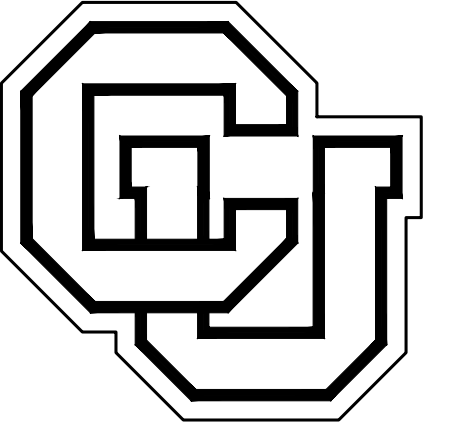




Architectural floor plan of a building section, showing rooms, corridors, and electrical equipment. The plan includes a grid of rooms (OFFICE, ROOM, MEN, BREAK, HALL) and a central corridor. Electrical equipment is labeled with callouts: EXISTING PANEL 'STL4N', EXISTING 30 kVA FLOOR MOUNTED TRANSFORMER 480-208/120-VOLT, 3-PHASE, 'T-L4NE', 5.1%Z, EXISTING PANEL 'H4NA', EXISTING PANEL 'L4NE', EXISTING PANEL 'L4NA' SECTION #2, EXISTING PANEL 'L4NA' SECTION #1, and EXISTING 75kVA FLOOR MOUNTED TRANSFORMER 480-208/120-VOLT, 3-PHASE, 'T-L4NA', 3.02%Z. The plan also shows a staircase with 'UP' and 'DN' directions. The grid is labeled with letters S, R, Q, P, O, N, M across the top and numbers 1, 2, 3, 4, 5 along the left side.

1. LIGHT FIXTURES THAT APPEAR TO BE CENTERED IN A SPACE OR CEILING PANEL SHALL BE CENTERED UNLESS OTHERWISE NOTED.
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MOUNTING HARDWARE REQUIRED FOR INSTALLING ALL LIGHT FIXTURES. VERIFY ALL CEILING FINISHES, JOINT TYPES, AND CEILING THICKNESS PRIOR TO FINAL FIXTURE PURCHASE AND PROCUREMENT.
3. CONTRACTOR SHALL CONDUCT FUNCTIONAL TESTING OF LIGHTING CONTROLS EQUIPMENT AS REQUIRED BY IEC 2018 SECTION C408.3. AFTER THIS TESTING IS OBSERVED AND COMPLETED, THE COMMISSIONING AUTHORITY OR APPROVED AGENCY SHALL PROVIDE DOCUMENTATION TO THE AHJ THAT CERTIFIES THAT THE INSTALLATION MEETS THE DOCUMENTED PERFORMANCE OBJECTIVE OF SECTION C405.4. THE COMMISSIONING AUTHORITY OR APPROVED AGENCY SHALL PROVIDE THIS FUNCTIONAL TESTING REPORT TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.
4. CIRCUIT ALL EXISTING BATTERY PACK UNIT "FROG-EYES" AND EXIT SIGNS WITH INTEGRAL "FROG-EYES" TO BRANCH CIRCUIT SERVING AREA TRACK LIGHTING.

1. PROVIDE WATTSTOPPER #DT-305 (OR APPROVED EQUAL) CEILING MOUNTED OCCUPANCY SENSOR FOR CONTROL OF INDICATED LIGHT FIXTURES. PROVIDE POWER PACKS AS REQUIRED.
2. PROVIDE LUTRON #DVSTV-XX (0-10V) WALL BOX DIMMER FOR CONTROL OF LED LIGHT FIXTURES INDICATED.
3. PARTIAL HEIGHT WALL.



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[illegible]

## 4TH FLOOR ELECTRICAL LIGHTING PLAN

E-102

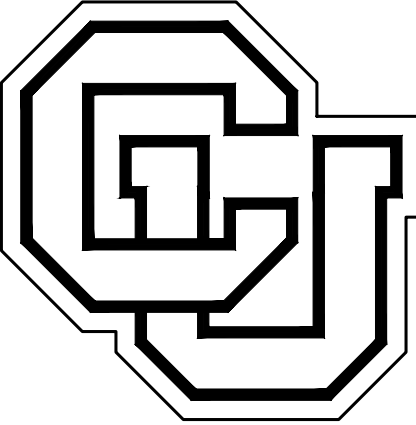
# 1 4TH FLOOR ELECTRICAL LIGHTING PLAN

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

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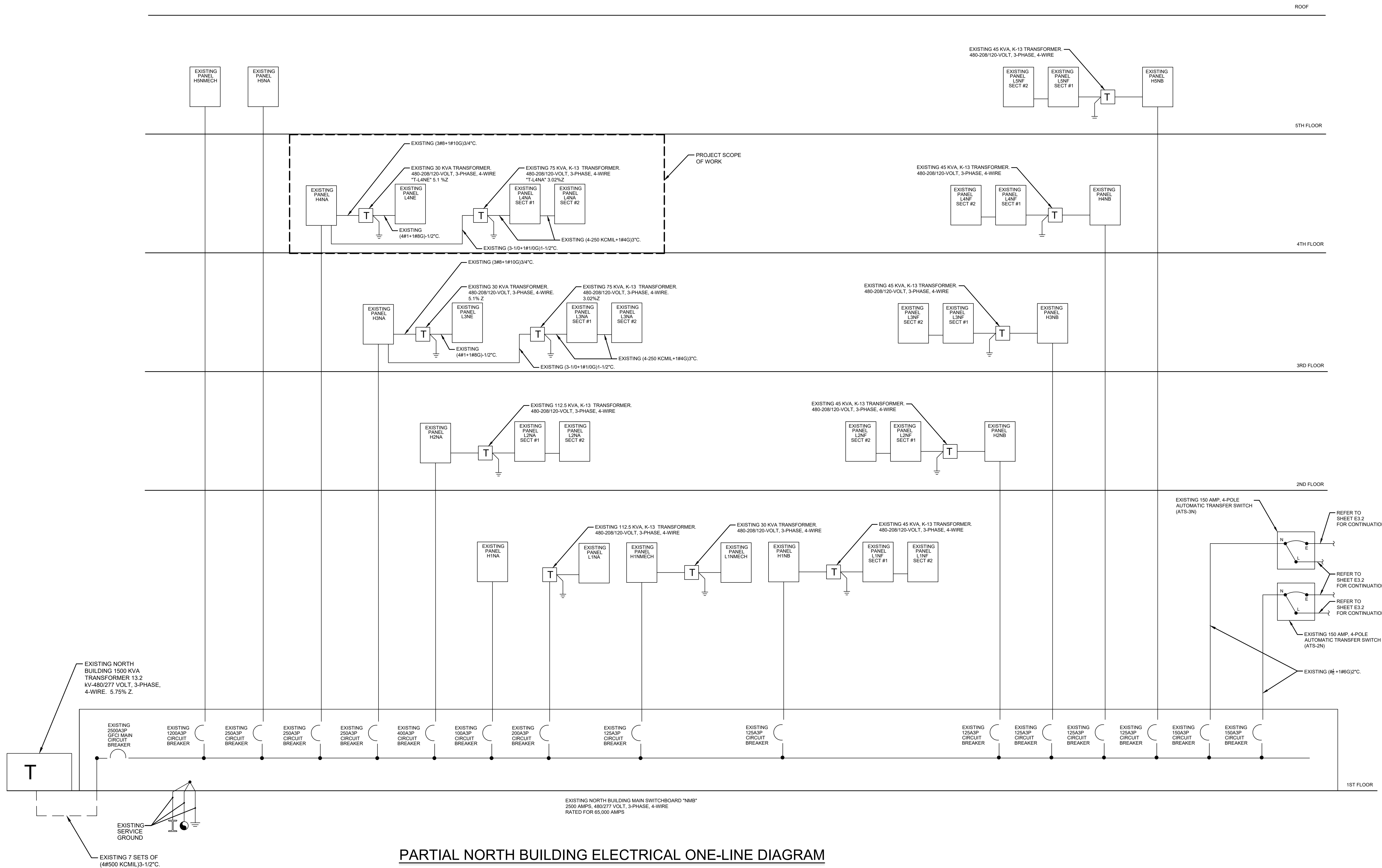
GENERAL NOTES:

1. EXISTING INFORMATION WAS OBTAINED BY SITE SURVEY AND FROM RECORD DRAWINGS. INFORMATION IS BELIEVED TO BE CORRECT, IF FIELD CONDITIONS ARE DIFFERENT THAN INDICATED NOTIFY ENGINEER IMMEDIATELY.



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10-27-22

ARCHITECTURAL WORKSHOP . DENVER COLORADO

DATE	DESCRIPTION
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## ELECTRICAL ONE-LINE DIAGRAM

# E-201



N.E.C. Service Justification - "NMB"	
PROJECT NAME: ED2N - 4TH FLOOR RENO	ENGINEER: MTR
DATE:09/19/2022	ELECTRICAL UTILITY: XCEL
1 . EXISTING ELECTRICAL SERVICE:	
480 VOLTS	
3 PHASE	
4 WIRE	
1805 AMPS	
2 . LOAD ADDED AS A RESULT OF THE PROJECT:	
PANEL "H4NA"	= 384 VA
PANEL "L4NE"	= 4632 VA
PANEL "L4NA"	= 1220 VA
3 . TOTAL LOAD ADDED:	
7.50 AMPS	
4 . LOAD REMOVED FROM THE ELECTRICAL SERVICE AS A RESULT OF THE PROJECT:	
11 3 LAMP 2'x4" @ 95 VA EACH	= 1056 VA
9 RECEPT @ 180 VA EACH	= 1620 VA
1 SYSTEM FURN FEED	= 1440 VA
5 TOTAL LOAD REMOVED FROM THE ELECTRICAL SERVICE:	
4.95 AMPS	
6 TOTAL LOAD REMOVED FROM THE ELECTRICAL SERVICE:	
2.55 AMPS	

PANEL:				(E) H4NA				VOLTAGE:				277/480V, 3PH, 4W									
LOCATION:				4TH FLOOR ELECT RM				MINIMUM BUS:				225									
MOUNTING:				SURFACE				MAIN:				250/3 CB									
								MINIMUM AIC:				35,000									
No.		LOAD		TYPE		LOAD DESCRIPTION		BREAKER		BUS		BREAKER		LOAD DESCRIPTION		LOAD		No.			
		A B C						POLE TRIP		A B C		TRIP POLE				A B C					
1		3004		L		(E) OFFICE LTG (1)		1		20		+		20		1		SPARE		2	
3		2775		L		(E) OFFICE LTG (1)		1		20		+		20		1		SPARE		4	
5		3155		L		(E) OFFICE LTG (1)		1		20		+		20		1		SPARE		6	
7		3752		L		(E) CORRIDOR LTG (1)		1		20		+		20		1		SPARE		8	
9		2022		L		(E) 3RD FLOOR LTG (1)		1		20		+		20		1		SPARE		10	
11		348		L		(N) OPEN AREA (2)		1		20		+		20		1		SPARE		12	
13						SPARE		1		20		+		20		1		SPARE		14	
15						SPARE		1		20		+		20		1		SPARE		16	
17						SPARE		1		20		+		20		1		SPARE		18	
19						SPARE		1		20		+		20		1		SPARE		20	
21						SPARE		1		20		+		20		1		SPARE		22	
23						SPARE		1		20		+		20		1		SPARE		24	
25						SPARE		1		20		+		20		1		SPARE		26	
27						SPARE		1		20		+		20		1		SPARE		28	
29						SPARE		1		20		+		20		1		SPARE		30	
31				S		TRANS "T-LANE"		3		45		+		125		3		TRANS "T-LANA		32	
33				S				3		45		+				3				34	
35				S				3		45		+				3				36	
LOAD TYPE		PANEL TOTAL		PANEL LANE		PANEL LANE		FEEDER SUBTOTAL		DEMAND		FEEDER TOTAL		S							
(L) LIGHTING		15006		16		0		5027		125%		15040									
(R) RECEPTACLES		0		7838		45420		53036		NEC 220		31628									
(M) LARGEST MOTOR		0		0		0		0		25%		0									
(M) MOTORS (ALL)		0		0		0		0		100%		0									
(E) EQUIPMENT		0		5500		300		5660		100%		5560									
(A) APPLIANCES		0		6602		0		6662		0		6662									
PANEL TOTAL (KVA):												65.0									
PANEL TOTAL (A):												78									
GENERAL NOTES:																					
A. EXISTING GENERAL ELECTRIC SERIES I PANELBOARD																					
B. FROM SITE OBSERVATION																					
C. TERMINATE BRANCH CIRCUIT ONTO EXISTING SPARE																					
SPECIFIC NOTES:																					
(1) LOAD INFORMATION FROM RECORD DRAWINGS AND																					
(2) FROM SITE OBSERVATION																					
(3) TERMINATE BRANCH CIRCUIT ONTO EXISTING SPARE																					
CIRCUIT BREAKER																					

PANEL:				(E) L4NE				VOLTAGE:				120/208V, 3PH, 4W							
LOCATION:				4TH FLOOR ELECT RM				MINIMUM BUS:				100							
MOUNTING:				SURFACE				MAIN:				100/3 CB							
								MINIMUM AIC:				10,000							
NO.		LOAD		TYPE	LOAD DESCRIPTION	BREAKER			BUS			BREAKER			LOAD DESCRIPTION	LOAD			NO.
A	B	C	TRIP			A	B	C	TRIP	A	B	C							
1	720			R	(E) SPINE #P28-4C02 (1)	1	20	+		20	1	R	(E) CORRIDOR REC (1)		720		2		
3		720		R	(E) HALL #P28-4C18 (1)	1	20	+		20	1	R	(E) CORRIDOR REC (1)		720	4	2		
5			900	R	(E) HALL #P28-4C15 (1)	1	20	+	+	20	1	R	(E) LOBBY REC (1)			720	6		
7	300			E	(E) EWC (1)	1	20	+		20	1	R	(E) LOBBY REC (1)		1176		8		
9		900		E	(E) RESTROOM #P28-4204 (1)	1	20	+		20	1	R	(E) REC #P28-4201 (1)			900	10		
11					SPARE	1	20	+		20	1	E	(E) EWC				300	12	
13	1200			A	(E) DISHWASHER #P28-4203 (1)	1	20	+	+	20	1	R	(E) JANITOR REC (1)		720		14		
15		1176		A	(E) DISPOSAL #P28-4203 (1)	1	20	+		20	1		SPARE				16		
17			1000	A	(E) MICRO #P28-4203 (1)	1	20	+		20	1		SPARE				18		
19	700			A	(E) REFRIG #P28-4203 (1)	1	20	+		20	1	E	(E) COPPER #P28-4305 (1)		1000		20		
21		540		R	(E) BREAK #P28-4203 (1)	1	20	+	+	20	1	E	(E) COPPER #P28-4305 (1)			1000	22		
23					SPARE	1	20	+		20	1	E	(E) COPY ROOM #P28-4103 (1)			1000	24		
25					SPARE	1	20	+		20	1	E	(E) COPPER #P28-4103 (1)		1000		26		
27					SPARE	1	20	+	+	20	1		SPARE				28		
29					SPARE	1	20	+		20	1	A	(N) COFFEE (2)			1000	30		
31					SPARE	1	20	+		20	1	A	(N) MICROWAVE (2)		1000		32		
33					SPARE	1	20	+		20	1		SPARE				34		
35					SPARE	1	20	+	+	20	1	L	(N) LED PENDANTS (2)			16	36		
37					SPACE	1	20	+	+	20	1	A	(N) DISPOSAL (3)		1176		38		
39					SPACE	1	20	+	+	20	1	A	(N) IWH-1 (3)		1440		40		
41					SPACE	1	20	+	+	20	1	A	SPACE				42		

LOAD TYPE	PANEL TOTAL	FEED THRU TOTAL	SUBFEED TOTAL	FEEDER SUBTOTAL	DEMAND	FEEDER TOTAL
(L) LIGHTING	16			16	125%	20
(N) RECEPTACLES	7838			7838	NEC 220	7838
(M) LARGEST MOTOR	0			0	25%	0
(M) MOTORS (ALL)	0			0	100%	0
(E) EQUIPMENT	5500			5500	100%	5500
(A) APPLIANCES	6602			6602	0	6602
PANEL TOTAL (KVA):				22.0		
PANEL TOTAL (A):				61		


GENERAL NOTES:	
A	EXISTING GENERAL ELECTRIC SERIES I PANELBOARD
B	FROM SITE OBSERVATION
C	TERMINATE BRANCH CIRCUIT ONTO EXISTING SPARE
D	TERMINATE BRANCH CIRCUIT ONTO EXISTING SPARE
SPECIFIC NOTES:	
1)	LOAD INFORMATION FROM RECORD DRAWINGS AND
2)	FROM SITE OBSERVATION
3)	TERMINATE BRANCH CIRCUIT ONTO EXISTING SPARE
4)	CIRCUIT BREAKER
5)	PROVIDE NEW GENERAL ELECTRIC #TH08 120/207 50A
6)	GFCI CIRCUIT BREAKER FOR TERMINATION OF BRANCH CIRCUIT

PANEL:				(E) L4NA - SECT #1				VOLTAGE:				120/208V, 3PH, 4W						
LOCATION:				4TH FLOOR ELECT RM				MINIMUM BUS:				400						
MOUNTING:				SURFACE				MAIN:				250/3 CB						
								MINIMUM AIC:				10,000						
NO.	LOAD			TYPE	LOAD DESCRIPTION	BREAKER			BUS	BREAKER			TYPE	LOAD DESCRIPTION	LOAD			NO.
	A	B	C			POLE	TRIP	A		B	C	TRIP			POLE	A	B	
1	900			R	(E) WORKSPACE #P28-4224 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4119 (1)	900	900	2	
3	1080			R	(E) WORKSPACE #P28-4224 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4220 (1)			4	
5		1080		R	(E) WORKSPACE #P28-4224 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4209 (1)	900	900	6	
7	720			R	(E) WORKSPACE #P28-4224 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4114 (1)	900		8	
9	900			R	(E) WORKSPACE #P28-4224 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4115 (1)	900	100	10	
11		720		R	(E) WORKSPACE #P28-4224 (1)	1	20	+	+	20	1	R	(E) OFFICE #P28-4118 (1)			1080		
13	900			R	(E) OFFICE #P28-4212 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4113 (1)	900	14	14	
15	900			R	(E) OFFICE #P28-4214 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4212 (1)	900	16	16	
17		900		R	(E) OFFICE #P28-4215 (1)	1	20	+	+	20	1	R	(E) OFFICE #P28-4208 (1)			900		
19	900			R	(E) OFFICE #P28-4207 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4214 (1)	900	20	20	
21	900			R	(E) OFFICE #P28-4218 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4122 (1)	900	22	22	
23		900		R	(E) OFFICE #P28-4219 (1)	1	20	+	+	20	1	R	(E) CONF #P28-4006 (1)			900		
25	900			R	(E) OFFICE #P28-4220 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4201 (1)	900	24	24	
27	900			R	(E) OFFICE #P28-4223 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4202 (1)	900	28	28	
29		900		R	(E) OFFICE #P28-4221 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4204 (1)	900	30	30	
31	900			R	(E) OFFICE #P28-4210 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4123 (1)	900	32	32	
33		900		R	(E) OFFICE #P28-4211 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4120 (1)	900	34	34	
35		900		R	(E) OFFICE #P28-4213 (1)	1	20	+			20	1	R	(E) OFFICE #P28-4125 (1)	900	36	36	
37		900		R	(E) OFFICE #P28-4109 (1)	1	20	+			20	1	R	(E) CONF #P28-4102 (1)	720	38	38	
39		900		R	(E) OFFICE #P28-4117 (1)	1	20	+	+	20	1	R	SPARE			40	40	
41		900		R	(E) OFFICE #P28-4107 (1)	1	20	+			20	1	R	SPARE			42	
LOAD TYPE		PANEL TOTAL		SECTION #2		SUBFEED TOTAL		FEEDER SUBTOTAL		DEMAND		FEEDER TOTAL		GENERAL NOTES:				
		A		B		C		A		B		C		A. EXISTING GENERAL ELECTRIC SERIES I PANELBOARD				
(L) RECEPTACLES		3600		9420				45420		NEC 220		27710		B. FROM SITE OBSERVATION				
(M) LARGEST MOTOR		0		0				0		25%		0		C. TERMINATE BRANCH CIRCUIT ONTO EXISTING SPARE				
(M) MOTORS (ALL)		0		0				0		100%		0		D. FROM SITE OBSERVATION				
(E) EQUIPMENT		0		360				360		100%		360		E. FROM SITE OBSERVATION				
(A) APPLIANCES		0		0				0		0		0		F. FROM SITE OBSERVATION				
PANEL TOTAL (KVA):								PANEL TOTAL (KVA):		28.1								
PANEL TOTAL (A):								PANEL TOTAL (A):		78								

PANEL:		(E) L4NA - SECT #2		VOLTAGE:		120/208V, 3PH, 4W	
LOCATION:		4TH FLOOR ELECT RM		MINIMUM BUS:		400	
MOUNTING:		SURFACE		MAIN:		MLO	



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COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC  
Project Title: CU Anschutz ED2 N 4th Floor Rooms  
Project Type: Alteration

Construction Site: 13120 E. 19th Ave  
Aurora, Colorado 80045

Owner/Agent: Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Common Space Types:Conference/Meeting/Multipurpose	848	0.97	823
Total Allowed Watts = 823			

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture Fixture Watt.	D (C X D)	E
Common Space Types: Conference/Meeting/Multipurpose (848 sq.ft.)	1	2	8	17
LED: P1: Other:	1	12	29	348
LED: R1: Other:				
Total Proposed Watts = 365				

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Tanya Pardo - Lighting Designer  
Name - Title Signature Date 09/29/2022

Project Title: CU Anschutz ED2 N 4th Floor Rooms  
Data filename:

Report date: 09/29/22  
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COMcheck Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 72.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] 1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.  <b>Location on plans/spec:</b> E-102, E-202

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: CU Anschutz ED2 N 4th Floor Rooms  
Data filename:

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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22] 2	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.  <b>Location on plans/spec:</b> E-102, E-202
C405.2.1.1 [EL18] 3	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.  <b>Location on plans/spec:</b> E-102, E-202
C405.2.1.1 [EL19] 2	Occupancy sensors control function in warehouses: In warehouses, the lighting in aiseways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aiseway independently and do not control lighting beyond the aiseway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.2.1.1 [EL20] 3	Occupant sensor control function in open plan office areas. Occupant sensor controls in open office spaces >= 300 sq ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.2.2.3 [EL21] 1	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.  <b>Location on plans/spec:</b> E-102, E-202

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: CU Anschutz ED2 N 4th Floor Rooms  
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4.1 [EL23] 2	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3.2 [Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight-responsive control function and section C405.2.3.2 Sidealit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.2.5 [EL27] 1	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.  <b>Location on plans/spec:</b> N/A
C405.7 [EL26] 1	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8 [EL27] 2	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9.1 [EL28] 2	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.10 [EL29] 2	Total voltage drop across the combination of feeders and branch circuits <= 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.11.1 [EL30] 2	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.11.1 [EL31] 2	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: CU Anschutz ED2 N 4th Floor Rooms  
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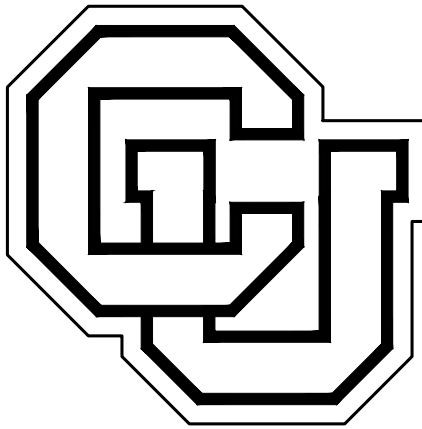
Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F17] 1	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.1.1 [F17] 1	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5 [F16] 1	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [F13] 1	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: CU Anschutz ED2 N 4th Floor Rooms  
Data filename:

Report date: 09/29/22  
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## CU ANSCHUTZ ED2 N 4TH FLOOR ROOMS 4223, 4224, & 4225 RENOVATION

13120 E. 19TH AVE.  
AURORA, CO 80045  
STATE PROJECT NO: 22-117960



10-27-22



ARCHITECTURAL WORKSHOP · DENVER COLORADO

DATE	DESCRIPTION
9-23-22	90% CONSTRUCTION DOCUMENTS
10-18-22	100% CD FOR CONSTRUCTION

DRAWN BY: MTR  
PROJECT: 2147ED

CHECKED BY: MTR  
INITIAL DATE: FEB 22

ELECTRICAL COMCHECK

E-203