

NOTIFICATION OF CHILD OCCUPIED FACILITY

PORTIONS OF THIS BUILDING ARE CLASSIFIED AS A CHILD OCCUPIED FACILITY IN ACCORDANCE WITH 40 CFR 745 AND LEAD-BASED PAINTS MAY BE PRESENT ON COMPONENTS TO BE DISTURBED IN THOSE AREAS. PERSONNEL PERFORMING WORK IN THESE AREAS MUST COMPLY WITH THE REQUIREMENTS OF 40 CFR 745, INCLUDING TRAINING, WORK PRACTICES AND CLEANING OF THE WORK AREA. REFER TO SPECIFICATION DIVISIONS 0.1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF LEAD MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

NOTIFICATION OF POTENTIAL HAZARDS

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Anchorage School District

WHALEY ELEMENTARY MSDR PROJECT

ASD Project # 625011

BID DOCUMENTS

11/28/2023



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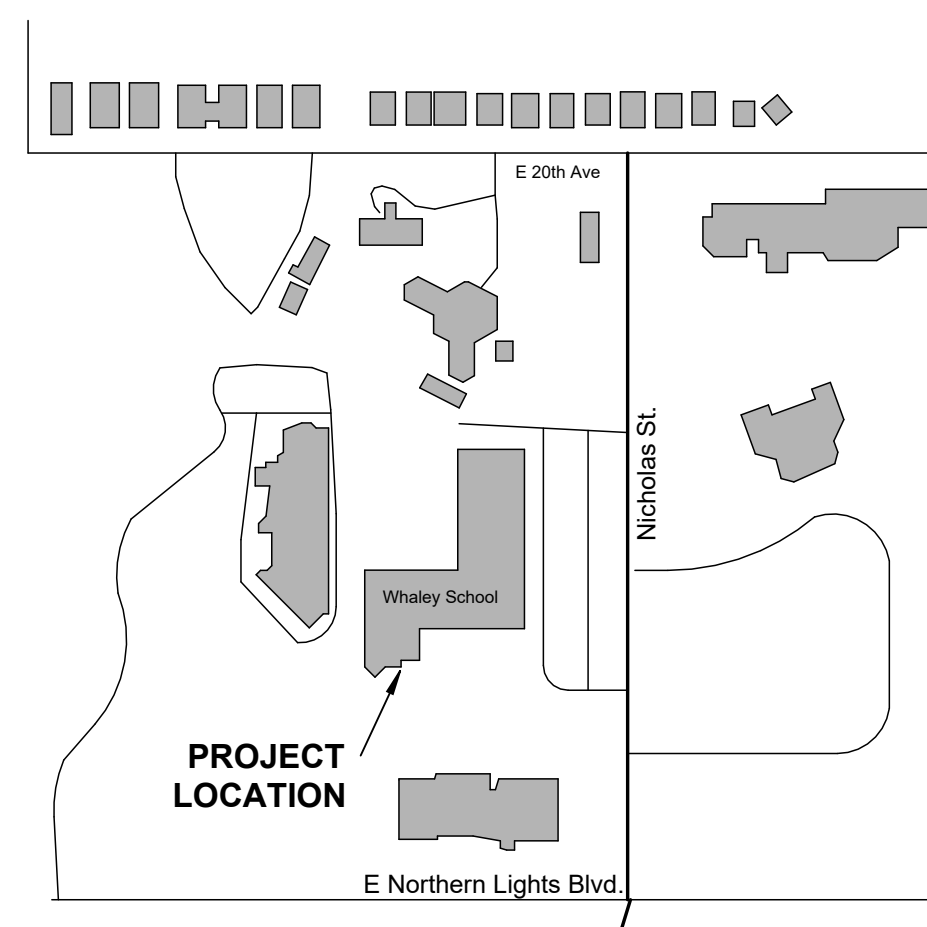
PROJECT NARRATIVE

BASE BID
THE PROJECT CONSISTS OF RENOVATIONS TO THE EXISTING WHALEY SCHOOL SCHOOL BUILDING LOCATED AT 2220 NICHOLS ST., ANCHORAGE, ALASKA 99508. THIS PROJECT UPDATES FLOOR, WALL AND CEILINGS IN 7 CHILL ROOMS AND INCLUDES THE DEMOLITION OF WALLS BETWEEN 4 ROOMS TO CREATE ONE NEW MULTISENSORY DE-ESCALATION ROOM. THE SCOPE OF WORK INCLUDES DEMOLITION OF WALLS, CEILINGS, FINISHES AND RELATED ACCESSORIES. NEW WORK INCLUDES BUILDING OF NEW WALLS, NEW OPENINGS, NEW CEILINGS, NEW LIGHTING, IN CEILING SPEAKERS AND NEW FINISHES.

LOCATION MAP



VICINITY MAP



Owner	Architecture + Interiors	HAZMAT	Structural Engineering	Mechanical Engineering	Electrical Engineering	Estimator
Anchorage School District 5530 E. Northern Lights Boulevard Anchorage, AK 99504 Phone: 907-742-4000 www.asdk12.org	ECI 821 N Street, Suite 201 Anchorage, AK 99501 Phone: 907-561-5543 www.ecialaska.com	EHS-Alaska Inc. 11901 Business Blvd # 208 Eagle River, AK 99577 Phone: 907-694-1383 www.ehs-alaska.com	Reid Middleton, Inc 4300 B St, Ste 302 Anchorage, AK 99503 Phone: 907-562-3439 www.reidmiddleton.com	RSA Engineering, Inc. 670 W. Fireweed Ln, Ste 200 Anchorage, AK 99503 Phone: 907-276-0521 www.rsa-ak.com	EIC 6927 Old Seward Hwy # 200 Anchorage, AK 99518 Phone: 907-349-9712 www.eicengineers.com	Estimations, Inc. 1225 E. International Airport Road Suite 235 Anchorage, AK 99518 Phone: 907-561-0790 www.estimations.com

ABBREVIATIONS

ABV	ABOVE	ID	INSIDE DIAMETER
AFF	ABOVE FINISH FLOOR	INCL	INCLUDE, INCLUDED
AL	ALUMINUM	INSUL	INSULATION
ALT	ALTERNATE	INT	INTERIOR
ARCH	ARCHITECTURAL	LH	LEFT HAND
BD	BOARD	MAX	MAXIMUM
BLDG	BUILDING	MFR	MANUFACTURER
BLK	BLOCK	MKBD	MARKERBOARD
BLW	BELOW	MIN	MINIMUM
BO	BOTTOM OF	MIR	MIRROR
BOF	BOTTOM OF FINISH	MSDR	MULTI SENSORY DE-ESCALATION
CF	CUBIC FOOT	ROOM	ROOM
CFOI	CONTRACTOR FURNISHED	MTL	METAL
	OWNER INSTALLED	NA	NOT APPLICABLE
CL	CENTERLINE	NIC	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
CONC	CONCRETE	OFCI	OWNER FURNISHED
CONT	CONTINUOUS		CONTRACTOR INSTALLED
CTR	CENTER	OFOI	OWNER FURNISHED OWNER
DIA	DIAMETER		INSTALLED
DIM	DIMENSION	OH	OVERHEAD
DWG	DRAWING	PLAM	PRESSURE TREATED LAMINATE
EA	EACH	PLY	PLYWOOD
EL	ELEVATION	PT	PAINT
ELEC	ELECTRICAL	RCP	REFLECTED CEILING PLAN
EQ	EQUAL, EQUIPMENT	REBAR	REINFORCING BARS
ETR	EXISTING TO REMAIN	REF	REFERENCE
EX	EXISTING	REQD	REQUIRED
FAC	FACTORY	R.O.	ROUGH OPENING
FAF	FLUID APPLIED FLOORING	SECT	SECTION
FE	FIRE EXTINGUISHER	SCHED	SCHEDULE
FEC	FIRE EXTINGUISHER CABINET	SIM	SIMILAR
FF	FINISHED FLOOR	SPEC	SPECIFICATION
FO	FACE OF	SG	LAMINATED SAFETY GLAZING
FOC	FACE OF CONCRETE	SS	STAINLESS STEEL
FOF	FACE OF FINISH	STD	STANDARD
FOS	FACE OF STUD	STL	STEEL
FT	FOOT, FEET	STRUCT	STRUCTURAL
FURR	FURRING	TBD	TO BE DETERMINED
GA	GAUGE	TOB	TOP OF BEAM
GALV	GALVANIZED	TOC	TOP OF CONCRETE
GWB	GYPSUM WALL BOARD	TOS	TOP OF STEEL
GYP	GYPSUM WALL BOARD	TYP	TYPICAL
HM	HOLLOW METAL	UL	UNDERWRITERS LABORATORY
HR	HOUR	UNFIN	UNFINISHED
HT	HEIGHT	UNO	UNLESS NOTED OTHERWISE
		VIF	VERIFY IN FIELD
		WD	WOOD

GENERAL NOTES

- CONSTRUCTION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH AS-BUILT CONDITIONS AS SHOWN IN THE DOCUMENTS.
- ALL DIMENSIONS ARE APPROXIMATE AND TO BE FIELD VERIFIED.
- WORK AREAS WILL BE LEFT CLEAN AND FREE OF ANY DEBRIS OR DUST AT THE END OF EACH SHIFT.
- ALL TOOLS, CONSTRUCTION MATERIALS, AND EQUIPMENT ARE TO BE PROPERLY STORED AT THE END OF EACH SHIFT. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SECURITY OF ALL SUCH ITEMS.
- THE CONTRACTOR SHALL CREATE A CLEAN, DRY SPACE TO STORE MATERIALS ON SITE TO ALLOW ACCLIMATION AS RECOMMENDED BY EACH MANUFACTURER.
- THE CONTRACTOR SHALL PROVIDE REFUSE SERVICES. A LOCATION NEAR THE BUILDING WILL BE DESIGNATED FOR THE DUMPSTER. DELIVERIES AND STORAGE REQUIREMENTS ARE TO BE COORDINATED WITH OWNER'S FACILITIES PERSONNEL.
- PROTECT EXISTING-TO-REMAIN CONSTRUCTION FROM DAMAGE AT ALL TIMES DURING WORK.
- ALL ITEMS NOT IDENTIFIED FOR SALVAGE THAT ARE REMOVED AND IN GOOD CONDITION ARE TO BE PROTECTED AND DONATED - SEE SPEC. OWNER MAINTAINS FIRST RIGHT OF REFUSAL FOR ALL SUCH ITEMS.
- REPAIR ALL EXISTING HM FRAMES TO REMAIN. WELD PATCHES OVER EXISTING HINGE AND LATCHES. FILL OTHER HOLES FROM HARDWARE. FILL PREP AND PAINT FOR NEW FINISH.

CODE ANALYSIS

<p>APPLICABLE CODES: BUILDING LATEST UPGRADED TO 1993 UBC, AS AMENDED; ASSUMED CONFORMING AMC TITLE 21 2018 INTERNATIONAL BUILDING CODE, AS AMENDED 2018 INTERNATIONAL MECHANICAL CODE, AS AMENDED 2018 UNIFORM PLUMBING CODE, AS AMENDED 2020 NATIONAL ELECTRIC CODE, AS AMENDED 2018 INTERNATIONAL FIRE CODE, AS AMENDED 2019 NFPA STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS (NFPA 13) 2018 INTERNATIONAL ENERGY CONSERVATION CODE, AS AMENDED 2018 INTERNATIONAL EXISTING BUILDING CODE, AS AMENDED 2018 ABATEMENT OF DANGEROUS BUILDINGS CODE, AS AMENDED 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN</p>	<p>ZONING SUMMARY: ALL PROJECT WORK IS INTERIOR TO THE BUILDING PERIMETER. WORK IS NOT CONSIDERED "DEVELOPMENT" PER 21.15.040 AND PLAN REVIEW NOT REQUIRED.</p>
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BUILDING CODE SUMMARY:
 OCCUPANCY: E, EDUCATIONAL
 COUNSTRUCTION TYPE: ASSUMED TYPE 2A AND 2B (SPRINKLERED)
 IEBC CLASSIFICATION: LEVEL 2 ALTERATION-RECONFIGURATION OF SPACE"

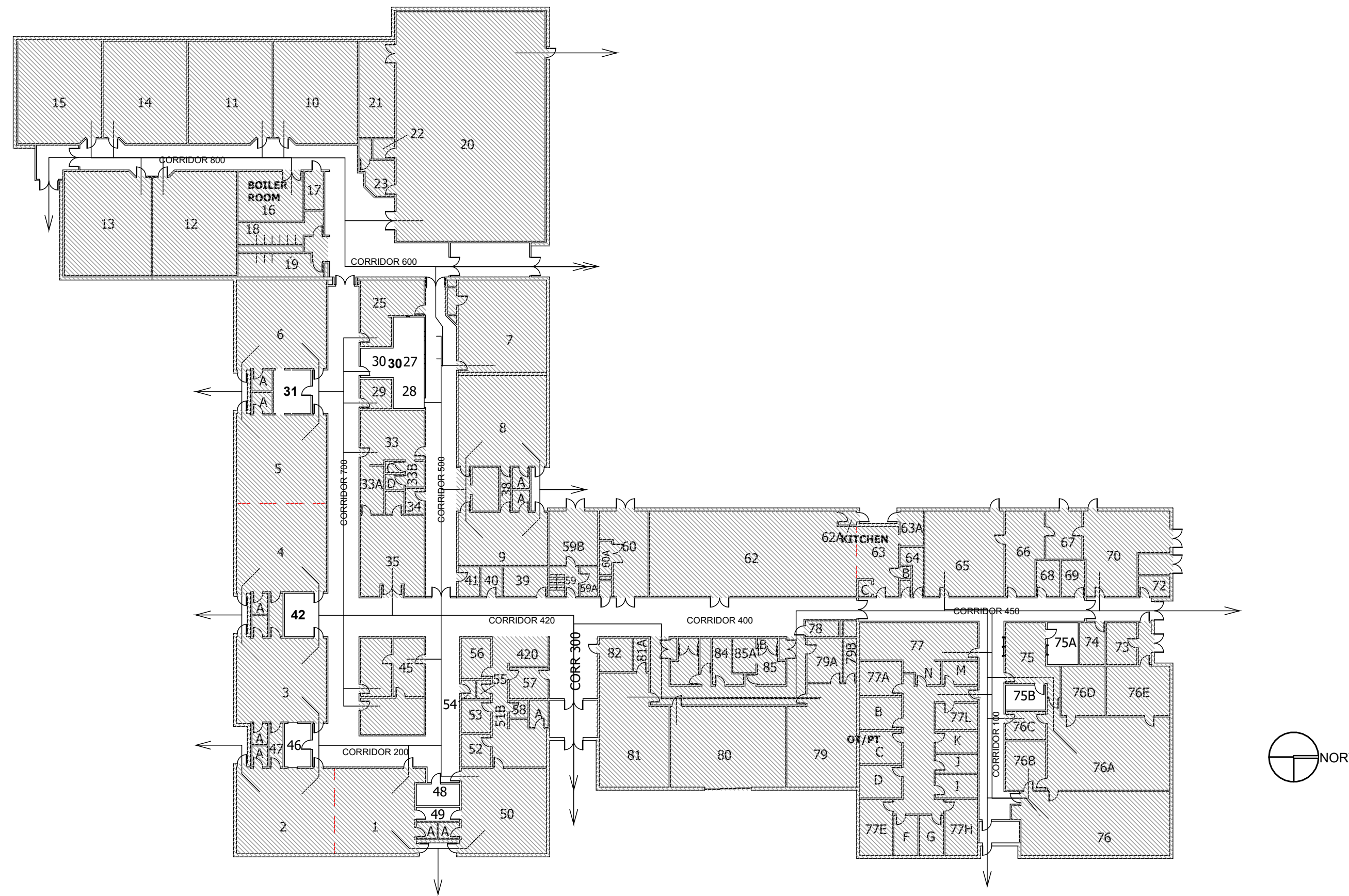
802.4- INTERIOR FINISH AT WALL AND CEILINGS TO BE PER IBC803.13- CLASS C REQUIRED AND PROVIDED
 803- FIRE PROTECTION, EXISTING SPRINKLER SYSTEM TO REMAIN
 805.5- CORRIDOR DOOR EXPECTATION #5, EXISTING DOORS TO REMAIN ARE 20 MIN RATED
 NEW ROOM 30 WORK AREA OCCUPANT LOAD: GROSS SF IS 348, 150 SF/OCC= 3 OCC.
 OTHER ROOMS WITHIN SCOPE OCCUPANT LOADS TO BE THE SAME OR LESS.

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1 LEVEL 1 - OVERALL FLOOR PLAN
 1/32" = 1'-0"

WORK SUMMARY

ROOM 30	MSDR-NEW MULTI SENSORY DE-ESCALATION ROOM. DEMO OF WALLS TO CONVERT 3 ROOMS TO ONE. NEW FLOOR, WALL AND CEILING FINISHES. NEW 20 MIN HM HALL DOOR.
ROOM 31	CHILL ROOM CONVERSION- REMOVE DOOR, FRAME TO REMAIN WITH NEW FLOOR, WALL AND CEILINGS.
ROOM 42	CHILL ROOM CONVERSION- REBUILD FORMER INTERIOR WALL, ADD HM FRAME ONLY (NO DOOR) WITH NEW FLOOR WALL AND CEILINGS.
ROOM 46	CHILL ROOM CONVERSION- REMOVE DOOR, FRAME TO REMAIN WITH NEW FLOOR, WALL AND CEILINGS.
ROOM 48	CONVERT TO STORAGE- NEW DOOR, FLOOR WALL AND CEILING FINISHES, NEW WALL PAINT.
ROOM 75A	CHILL ROOM CONVERSION- EXTEND THREE EXISTING PARTITION WALL HEIGHTS TO BOTTOM OF EXISTING DECK. REPAIR EXISTING HM FRAME AND RELITE. NEW FLOOR, WALL AND CEILINGS.
ROOM 75B	CHILL ROOM CONVERSION- EXTEND THREE EXISTING PARTITION WALL HEIGHTS TO BOTTOM OF EXISTING DECK. INSTALL NEW HM METAL DOOR. NEW FLOOR, WALL AND CEILINGS.

KEYNOTE LEGEND

Key Value	Keynote Text
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MATERIALS

	CONCRETE (SECTION)
	GYPSUM SHEATHING (PLAN & SECTION)
	GYPSUM WALL BOARD (PLAN & SECTION)
	INSULATION, BATT (PLAN & SECTION)
	INSULATION, SEMI RIGID (PLAN & SECTION)
	INSULATION, RIGID, ROOF (PLAN & SECTION)
	INSULATION, SPRAY FOAM (PLAN & SECTION)
	METAL (SECTION)
	PLYWOOD, SHEATHING (SECTION)
	PLYWOOD (SECTION)
	WOOD, CONTINUOUS (SECTION)
	WOOD, BLOCKING (SECTION)

SYMBOLS

	GRID LINE INDICATION
	ROOM IDENTIFICATION
	ROOM NAME
	ROOM NUMBER
	AREA
	ELEVATION
	ELEVATION NUMBER
	SHEET NUMBER
	DETAIL
	DETAIL NUMBER
	SHEET NUMBER
	DOOR NUMBER
	REFER TO DOOR SCHEDULE
	WINDOW TYPE
	REFER TO WINDOW SCHEDULE
	KEYNOTE
	REFER TO NOTES LISTED ON SHEET
	PARTITION TYPE INDICATOR
	REFER TO PARTITION ASSEMBLIES
	CEILING TYPE INDICATOR
	REFER TO RCP
	GENERAL FINISH TYPE TAG
	REFER TO FINISH LEGEND

CODE LEGEND

	EXIT	*	F.E.
	COMMON PATH OF EGRESS		
	EXIT ACCESS TRAVEL DISTANCE BEYOND COMMON PATH		
	NOT IN SCOPE		GROUP E

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ANCHORAGE SCHOOL DISTRICT
 WHALEY ELEMENTARY MSDR PROJECT



CODE PLANS AND GENERAL INFO

AUTHOR: DR/DS
 CHECKED: JWS
 REVISION:
 ISSUE DATE: 11/28/2023
 OWNER PROJECT #: 625011

G1.01

FULL SIZE PRINTED ON 22 x 34

ECI ARCHITECTURE DESIGN STRATEGY
 821 N St. Ste 201
 ANCHORAGE, ALASKA 99501 907.561.5543
 PROJECT NO. 19-0028.03

BID DOCUMENTS

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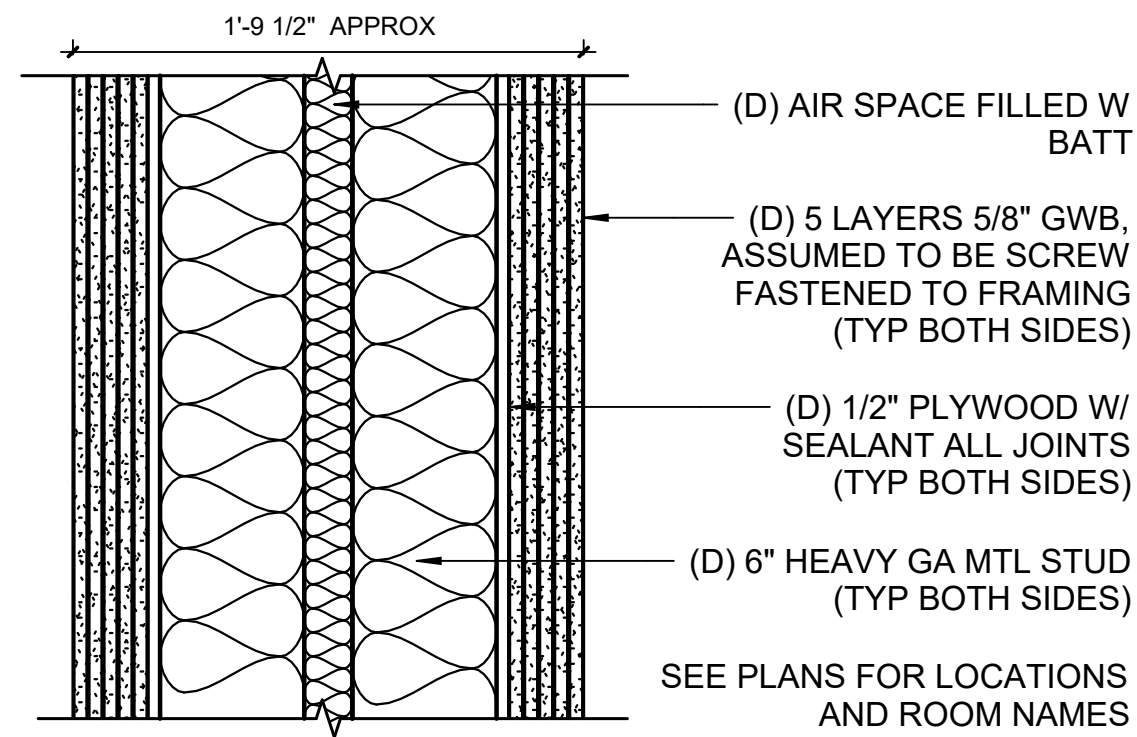
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ASSEMBLIES AND DETAILS

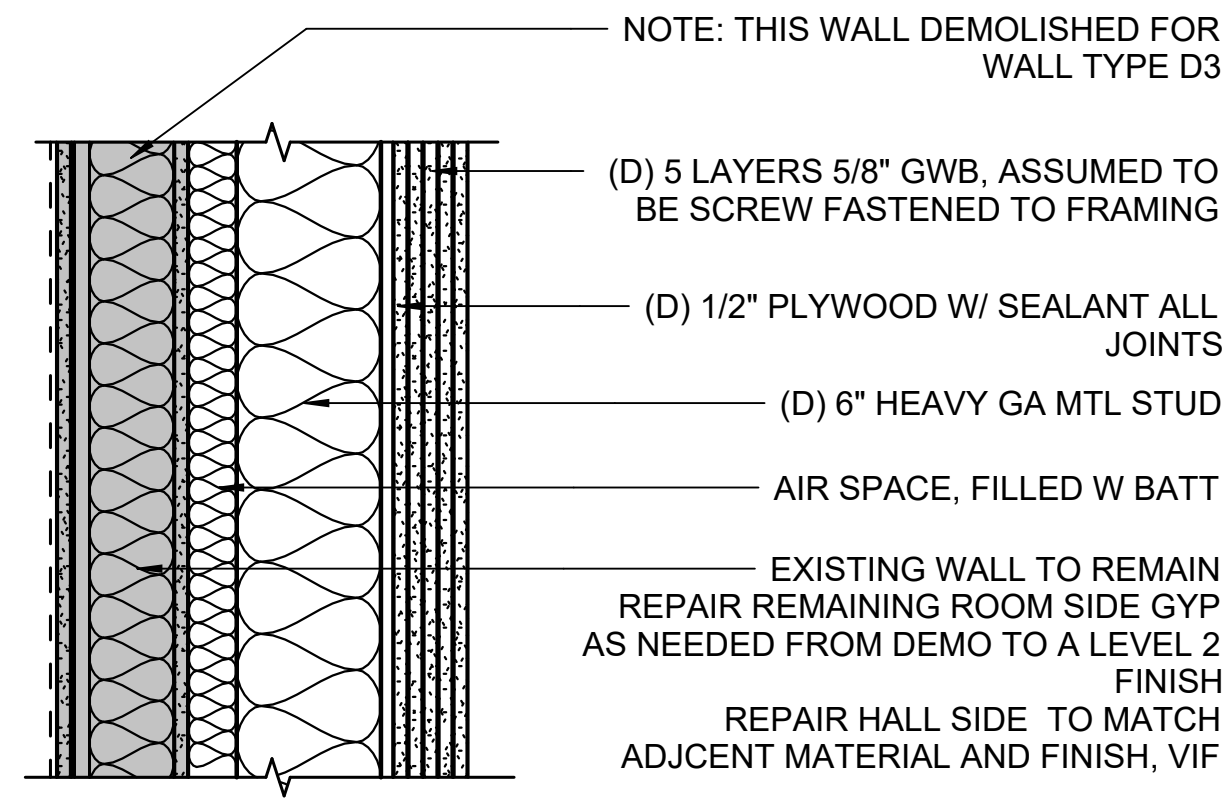
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A1.01

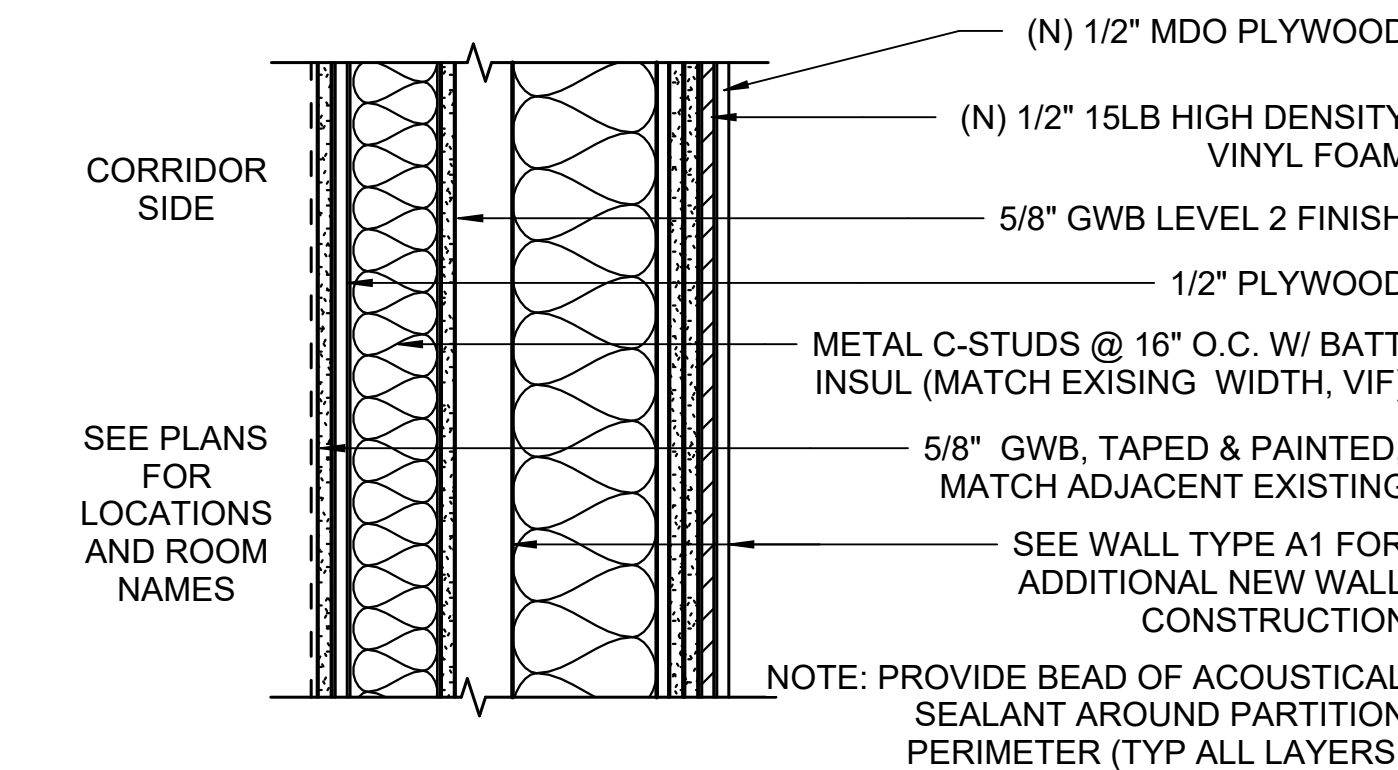
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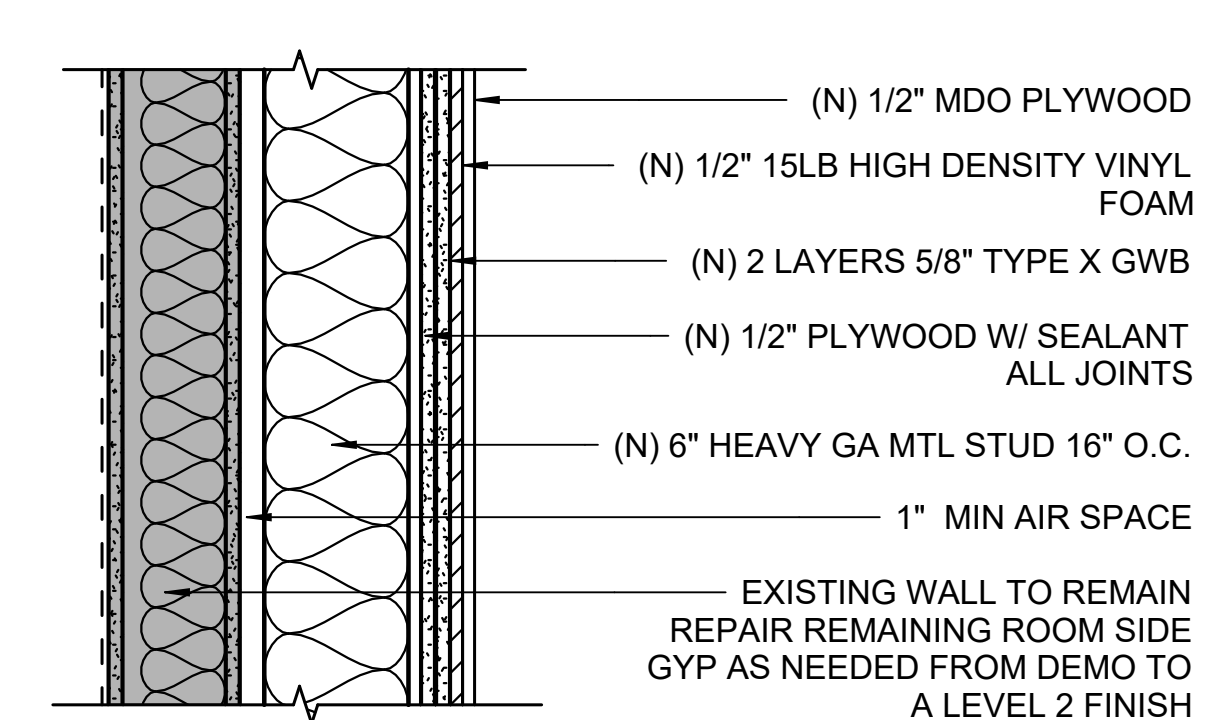
④ (DEMO) WALL ASSEMBLY - D1
1 1/2" = 1'-0"



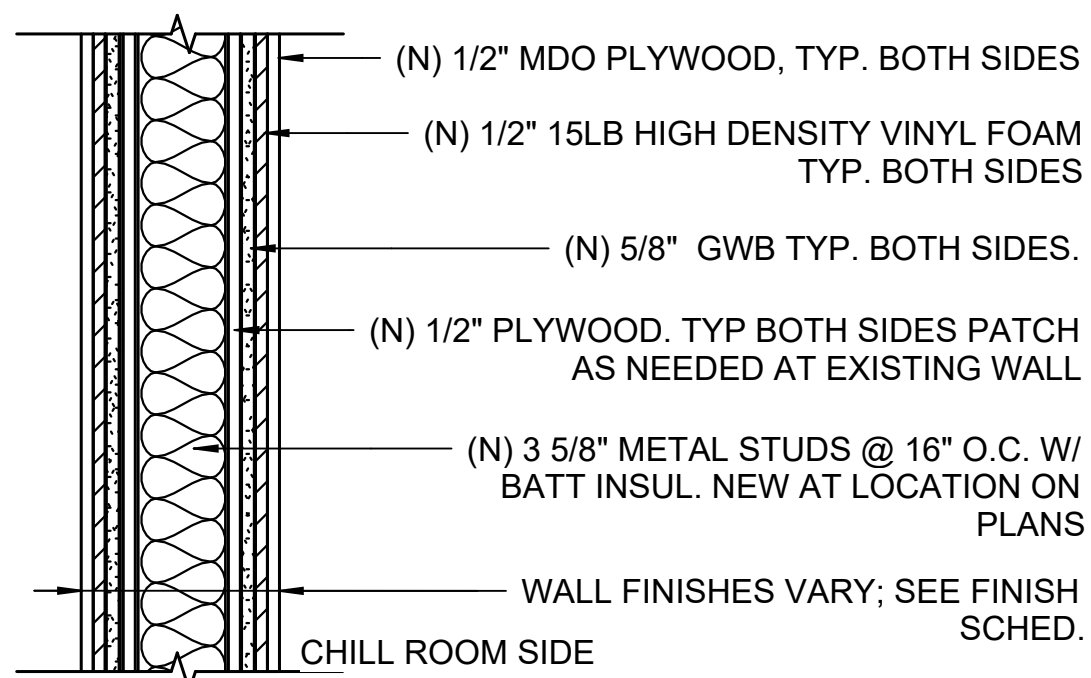
② (DEMO) INT. WALL ASSEMBLY - D2 AND D3
1 1/2" = 1'-0"



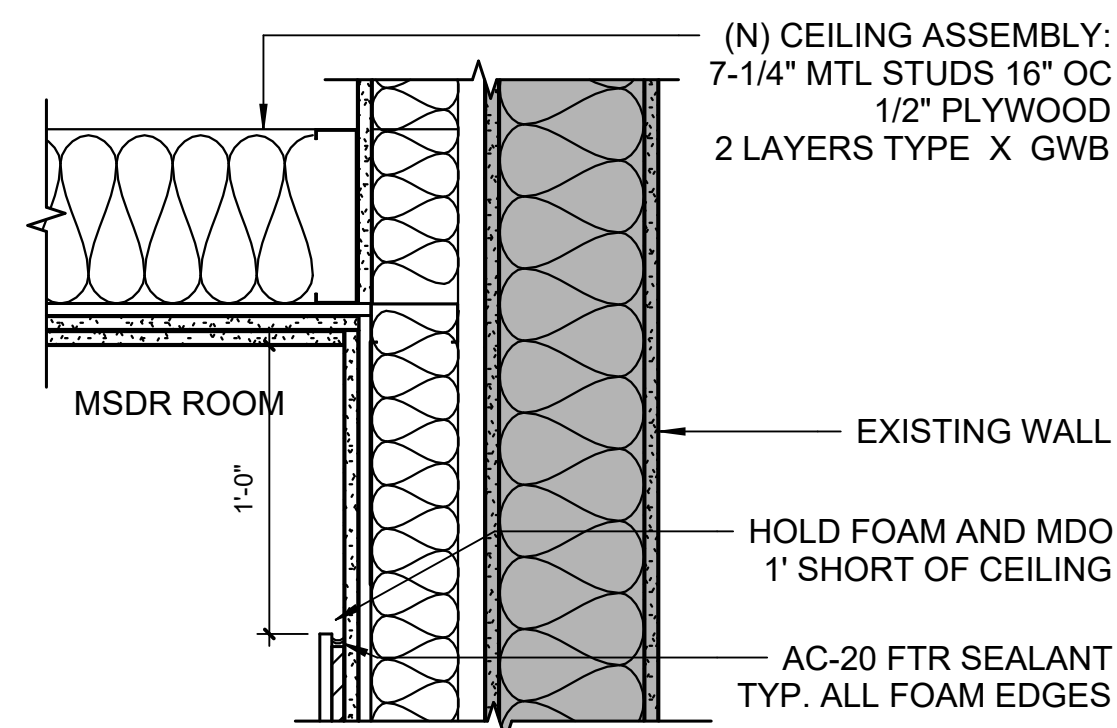
① (N) WALL ASSEMBLY - DOOR INFILL - A2
1 1/2" = 1'-0"



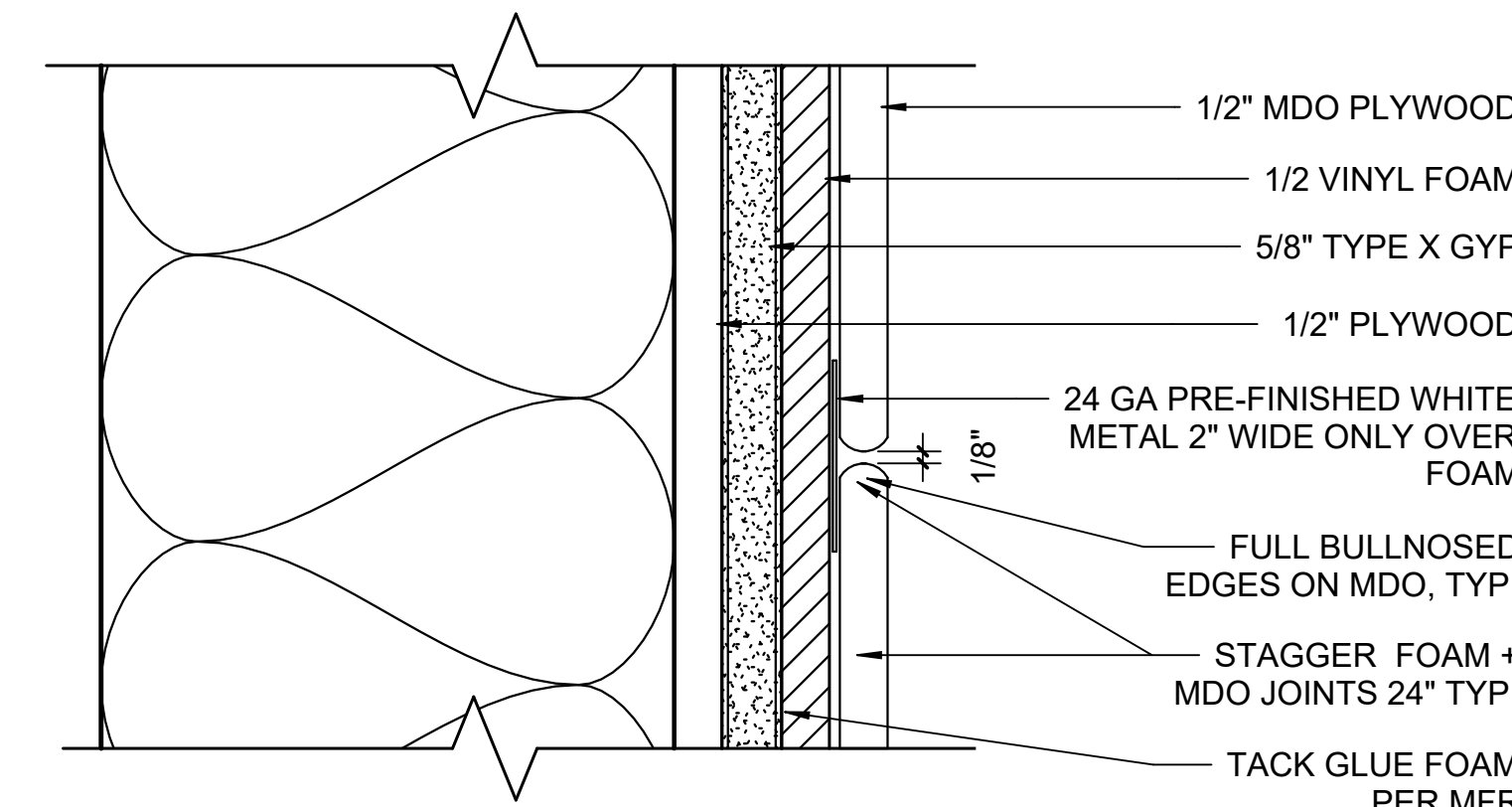
③ SECTION - (N) INT. WALL ASSEMBLY - A1
1 1/2" = 1'-0"



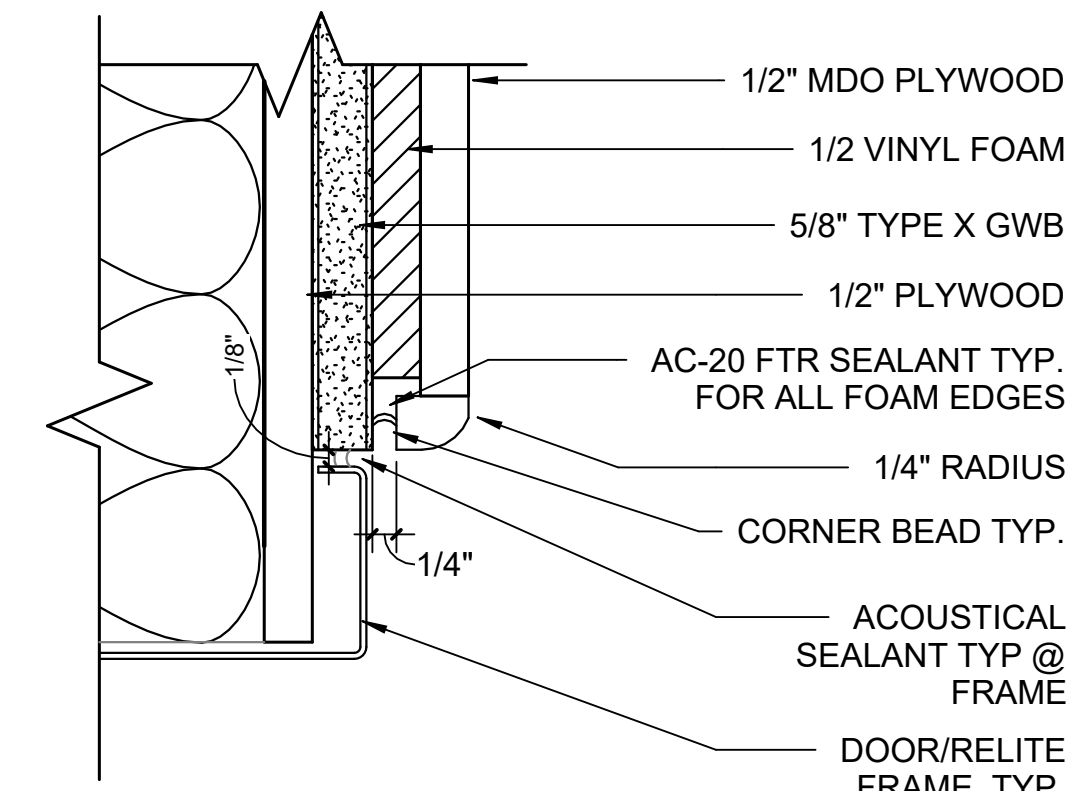
⑤ SECTION - (N) INT. WALL ASSEMBLY SINGLE STUD - A3
1 1/2" = 1'-0" APPROX STC: 58



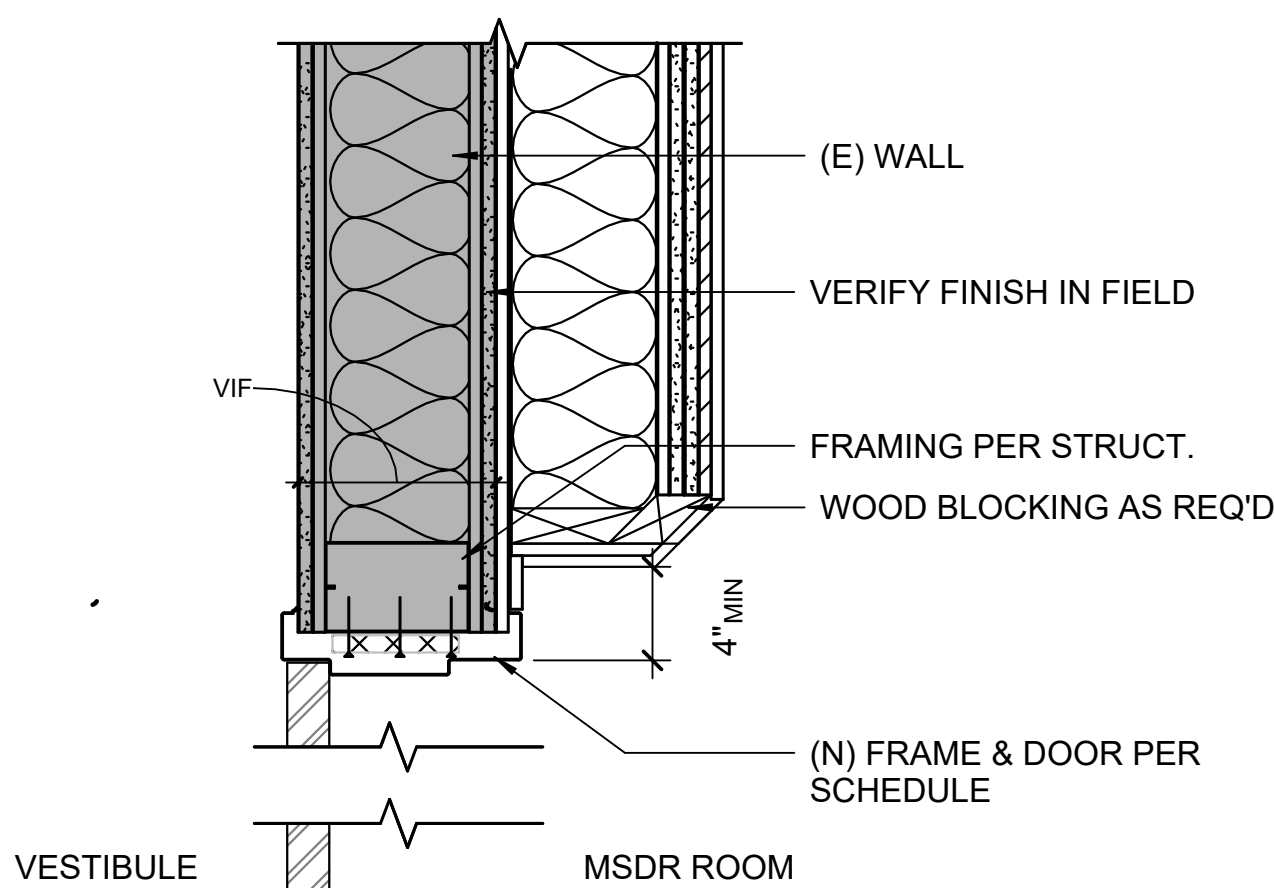
⑥ MSDR HARD LID AT EXISTING WALLS
1 1/2" = 1'-0"



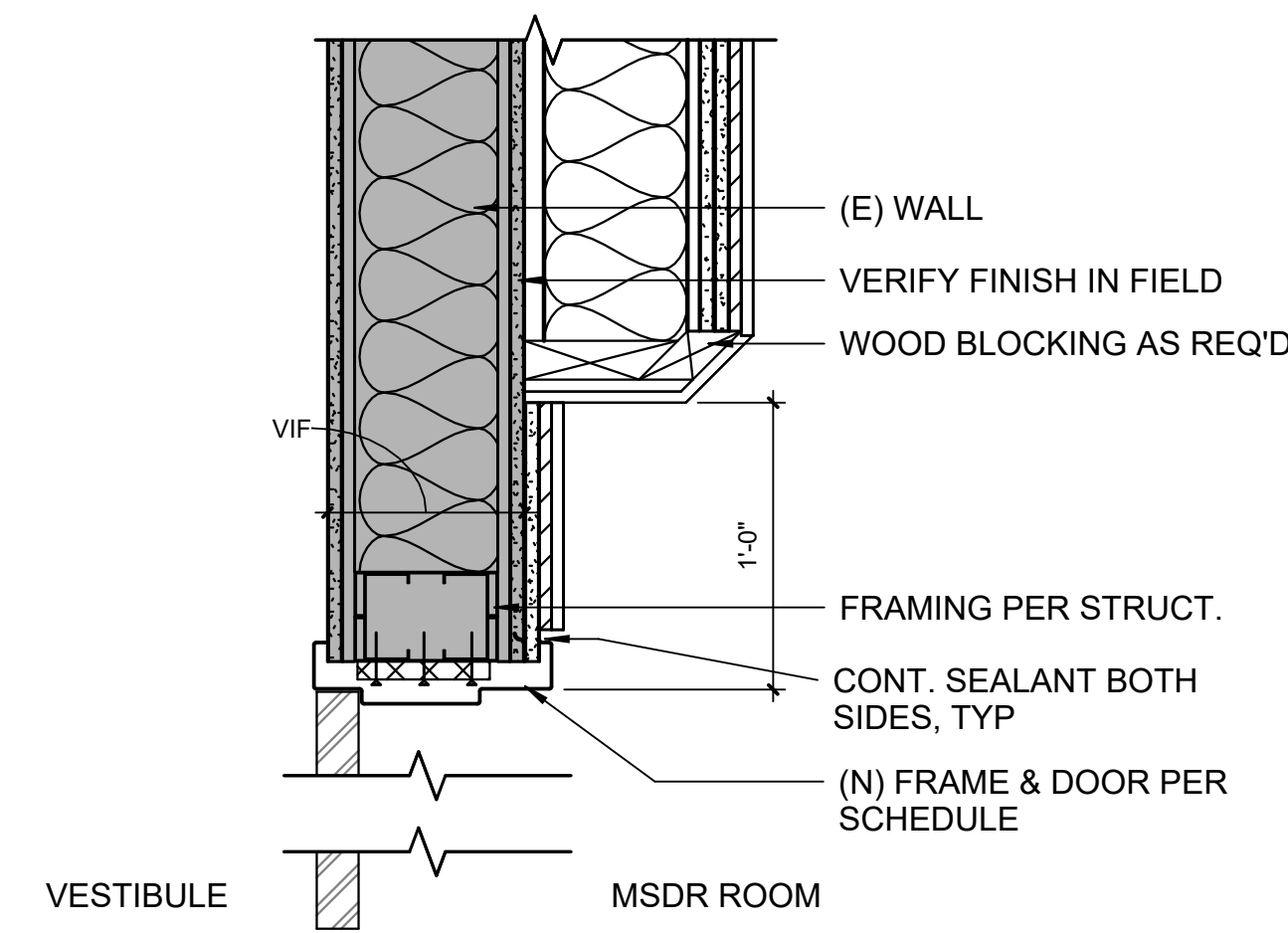
⑩ MDO BUTT JOINT DETAIL
6" = 1'-0"



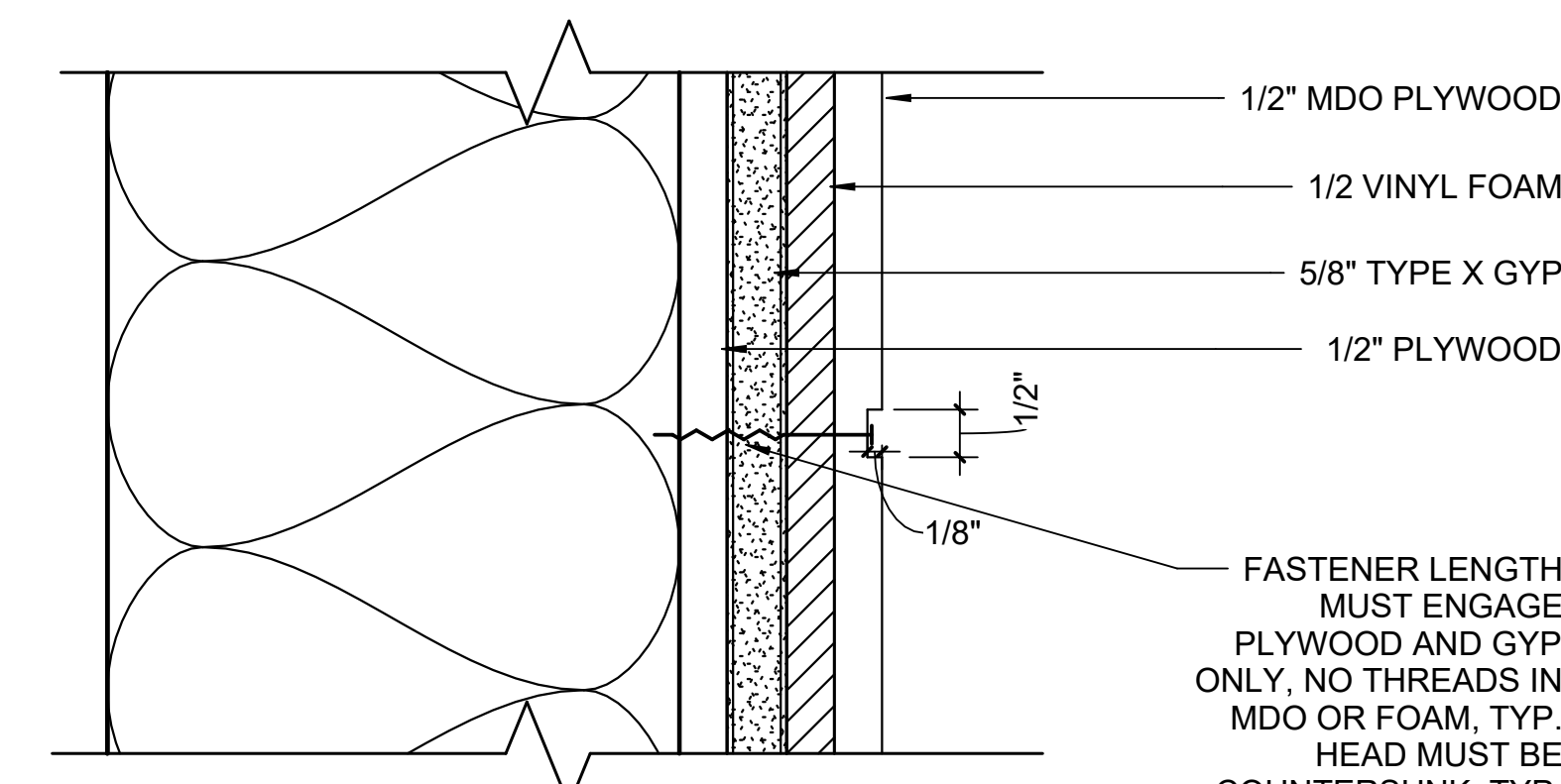
⑨ MDO AT RELITE AND DOOR FRAME
6" = 1'-0"



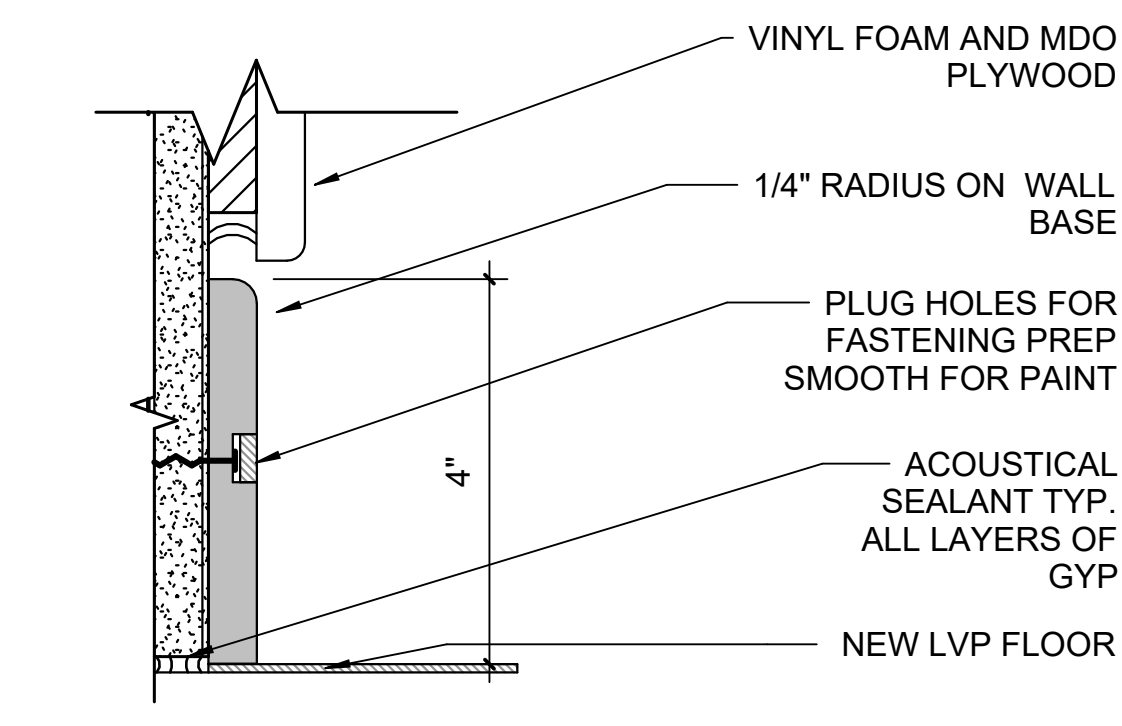
⑧ SECTION DETAIL - DOOR HEAD/SILL AT MSDR ROOM, TYP.
1 1/2" = 1'-0"



⑦ PLAN DETAIL - MSDR ROOM DOOR JAMB
1 1/2" = 1'-0"



⑪ MDO FASTENING DETAIL
6" = 1'-0"



⑫ WALL BASE DETAIL
6" = 1'-0"

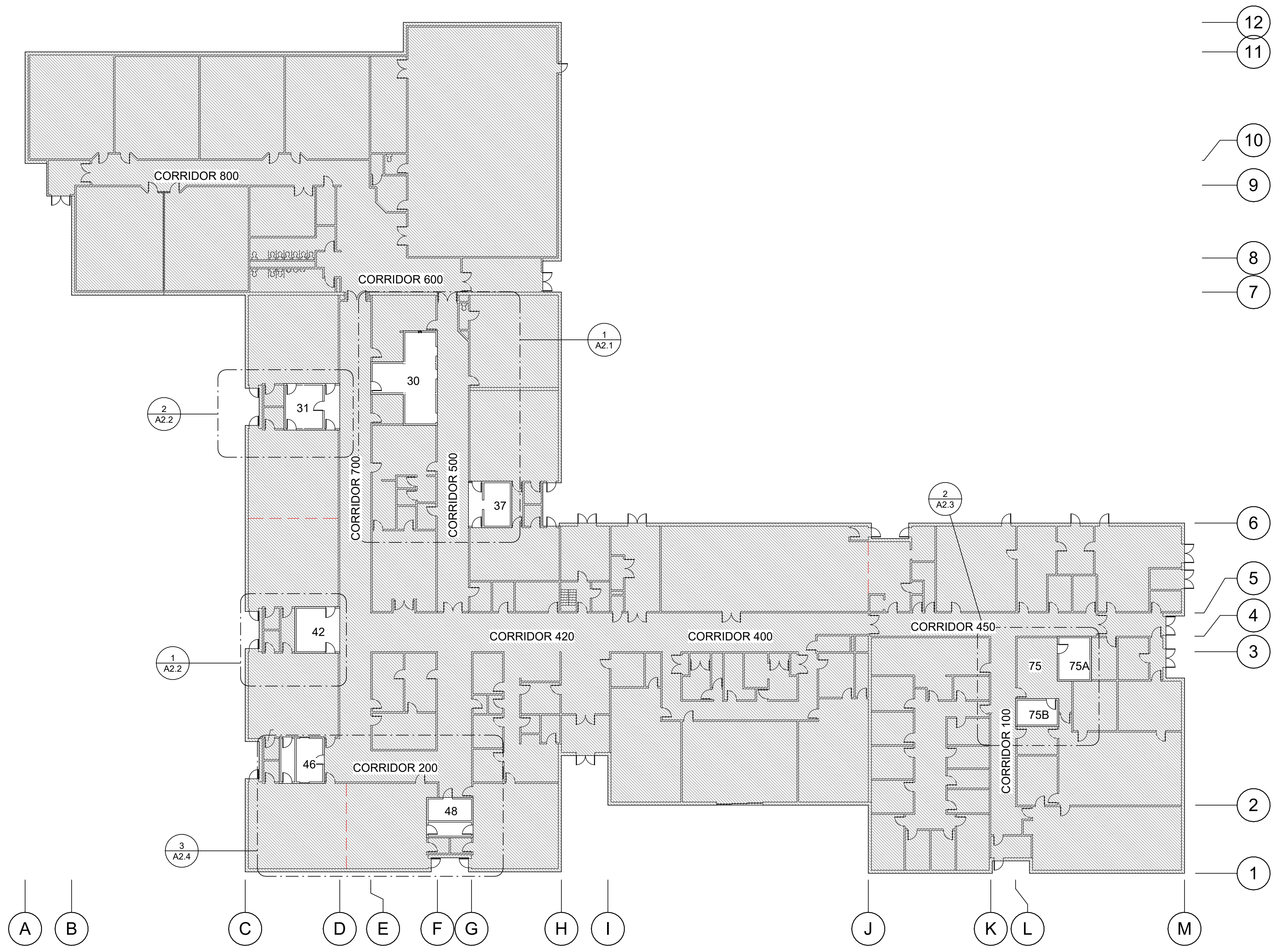
NOTE: GRAY DENOTES (E) TO REMAIN

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DEMOLITION LEGEND

- EXISTING TO REMAIN
- DEMOLISHED
- NOT IN SCOPE OF WORK

1 FLOOR PLAN - NEW
3/64" = 1'-0"



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WHALEY ELEMENTARY MSDR
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OVERALL FLOOR PLAN

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A2.0
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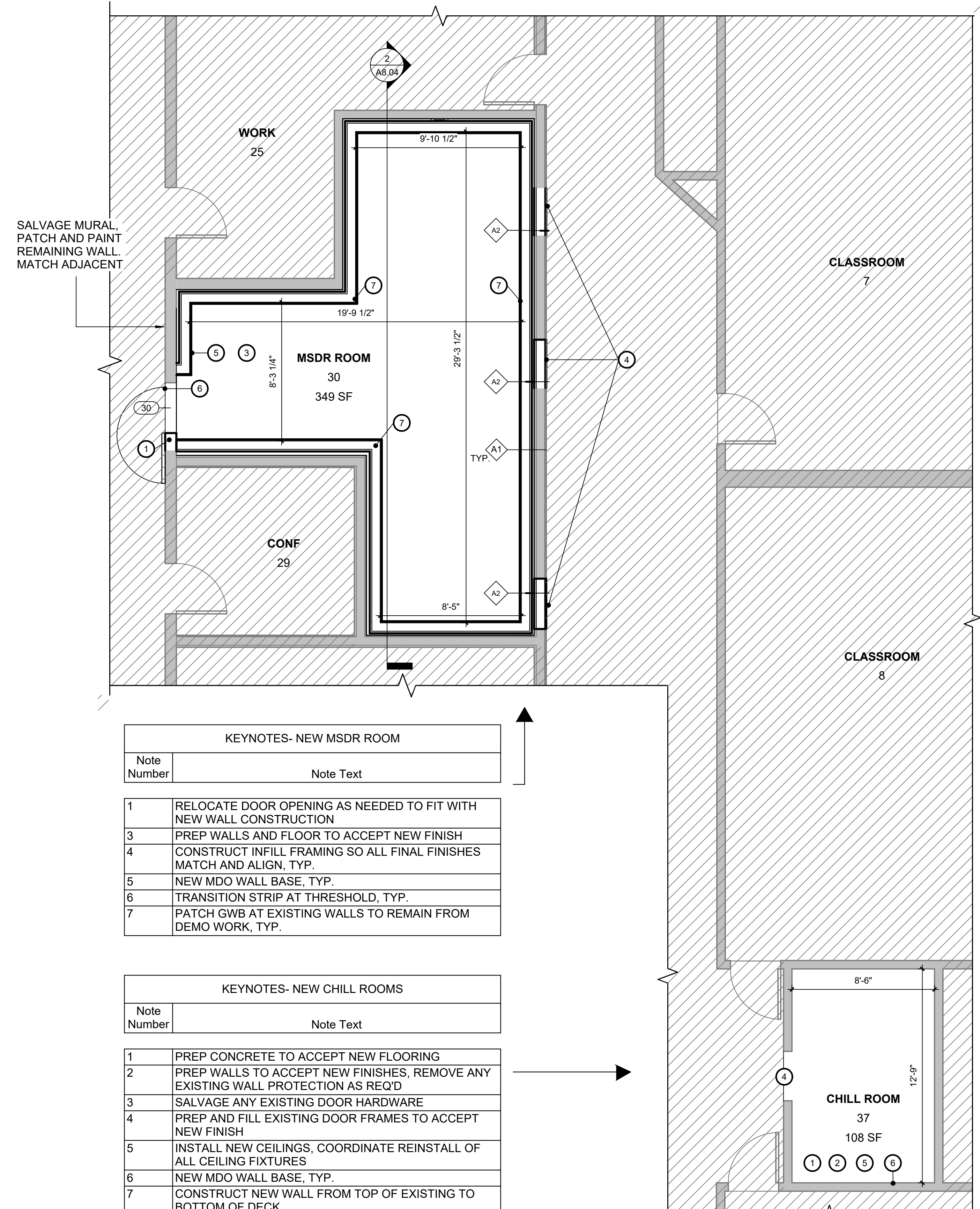
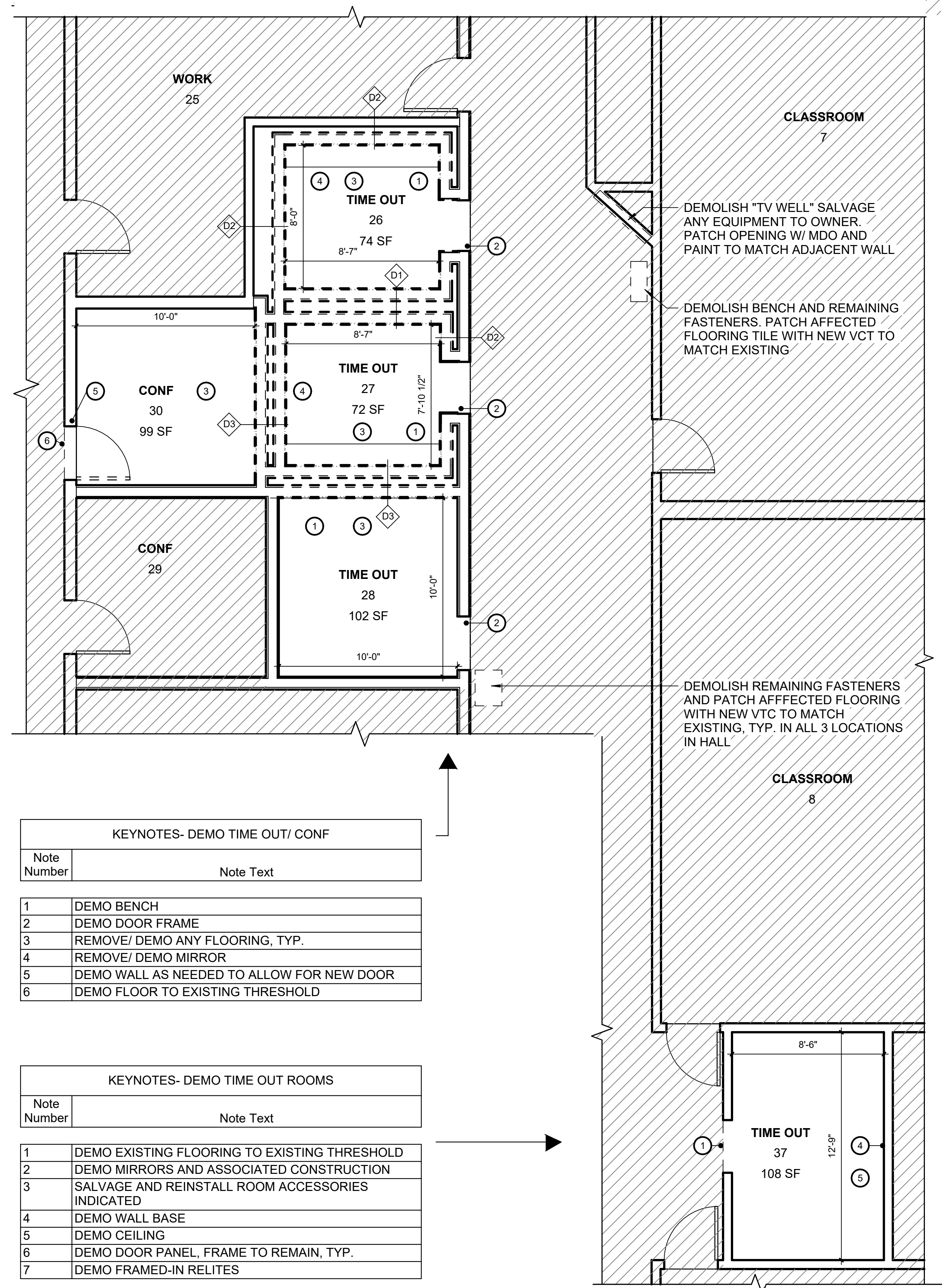
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1 FLOOR PLAN - ROOM 27 DEMO
1/4" = 1'-0"

2 FLOOR PLAN - ROOM 27 NEW
1/4" = 1'-0"

NOTIFICATION OF CHILD OCCUPIED FACILITY

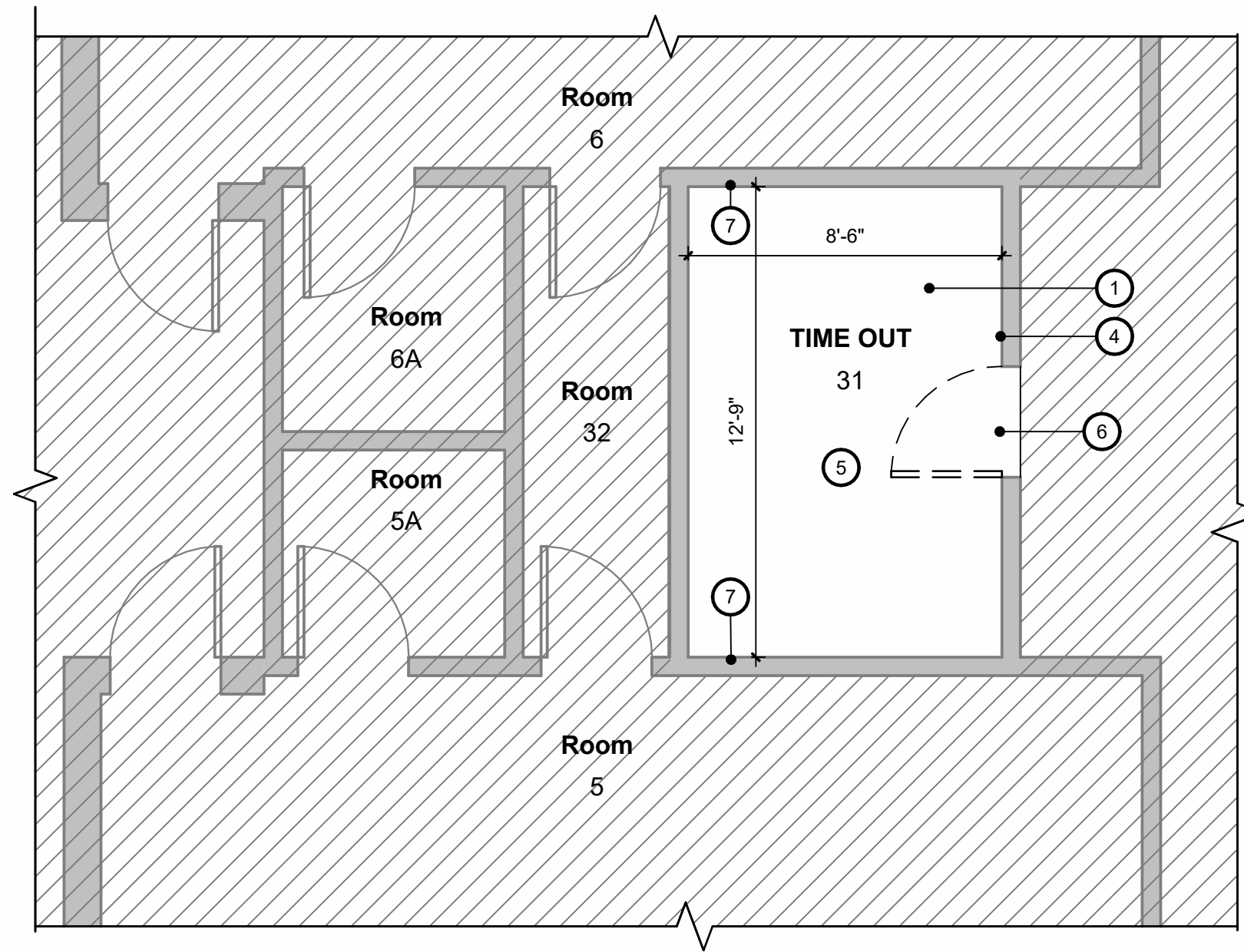
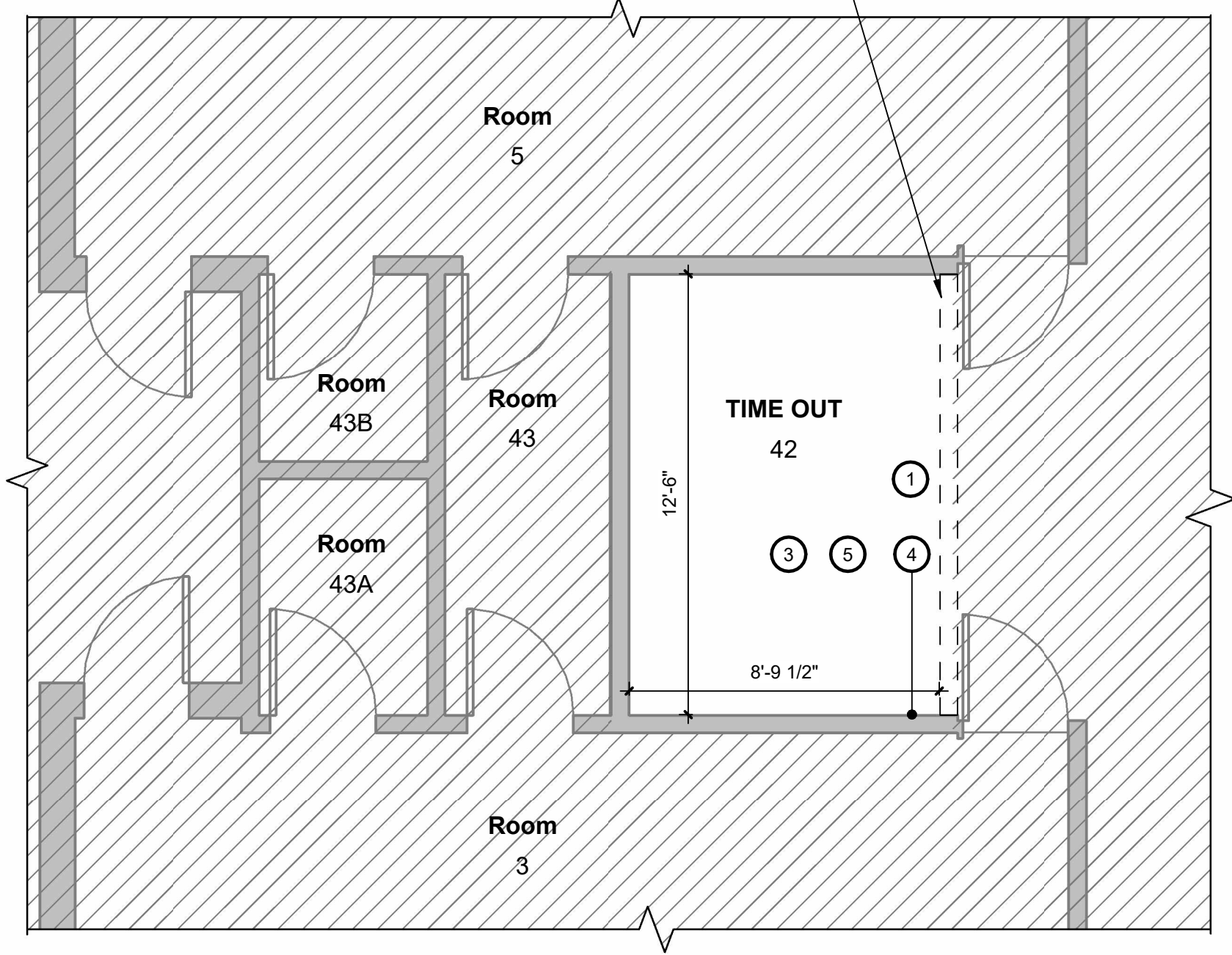
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REMOVE FINISHES AT EXISTING HEADER TO EXPOSE FRAMING FOR INSTALLATION OF NEW WALL, TYP.

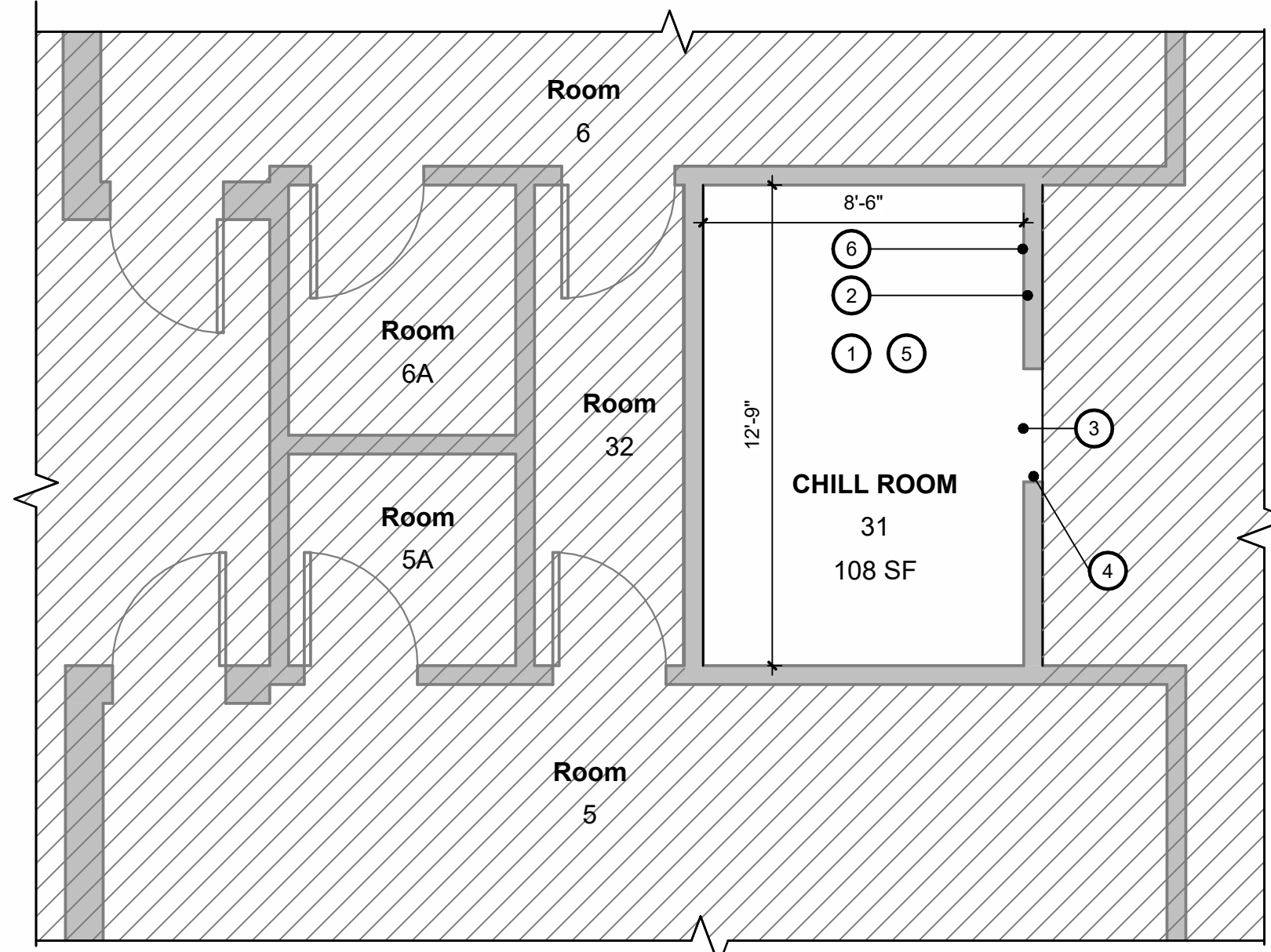
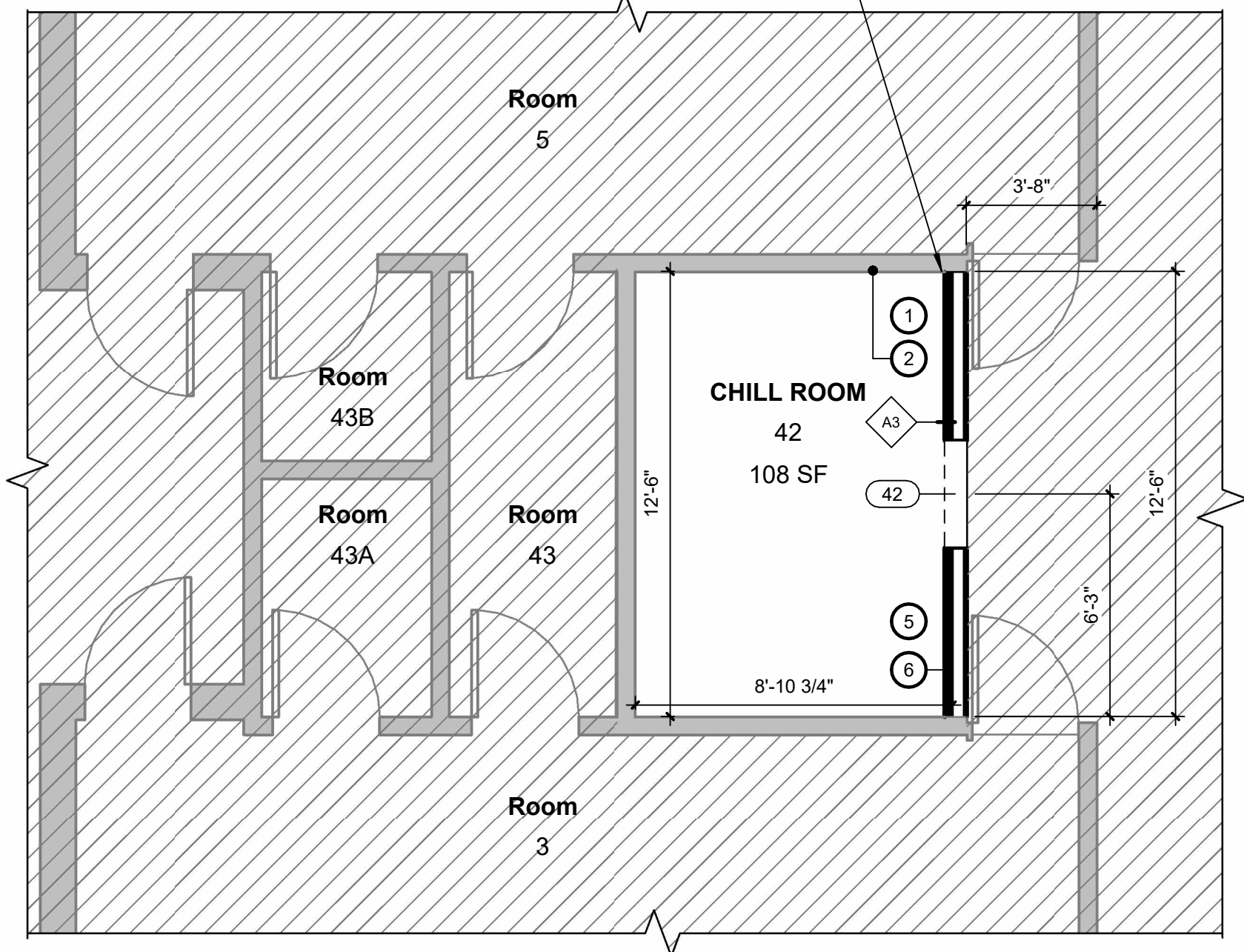


KEYNOTES- DEMO TIME OUT ROOMS	
Note Number	Note Text
1	DEMO EXISTING FLOORING TO EXISTING THRESHOLD
2	DEMO MIRRORS AND ASSOCIATED CONSTRUCTION
3	SALVAGE AND REINSTALL ROOM ACCESSORIES INDICATED
4	DEMO WALL BASE
5	DEMO CEILING
6	DEMO DOOR PANEL, FRAME TO REMAIN, TYP.
7	DEMO FRAMED-IN RELITES

① FLOOR PLAN - ROOM 42 DEMO
1/4" = 1'-0"

② FLOOR PLAN - ROOM 31 DEMO
1/4" = 1'-0"

ALIGN NEW WALL WITH ORIGINAL HEADER IN FIELD

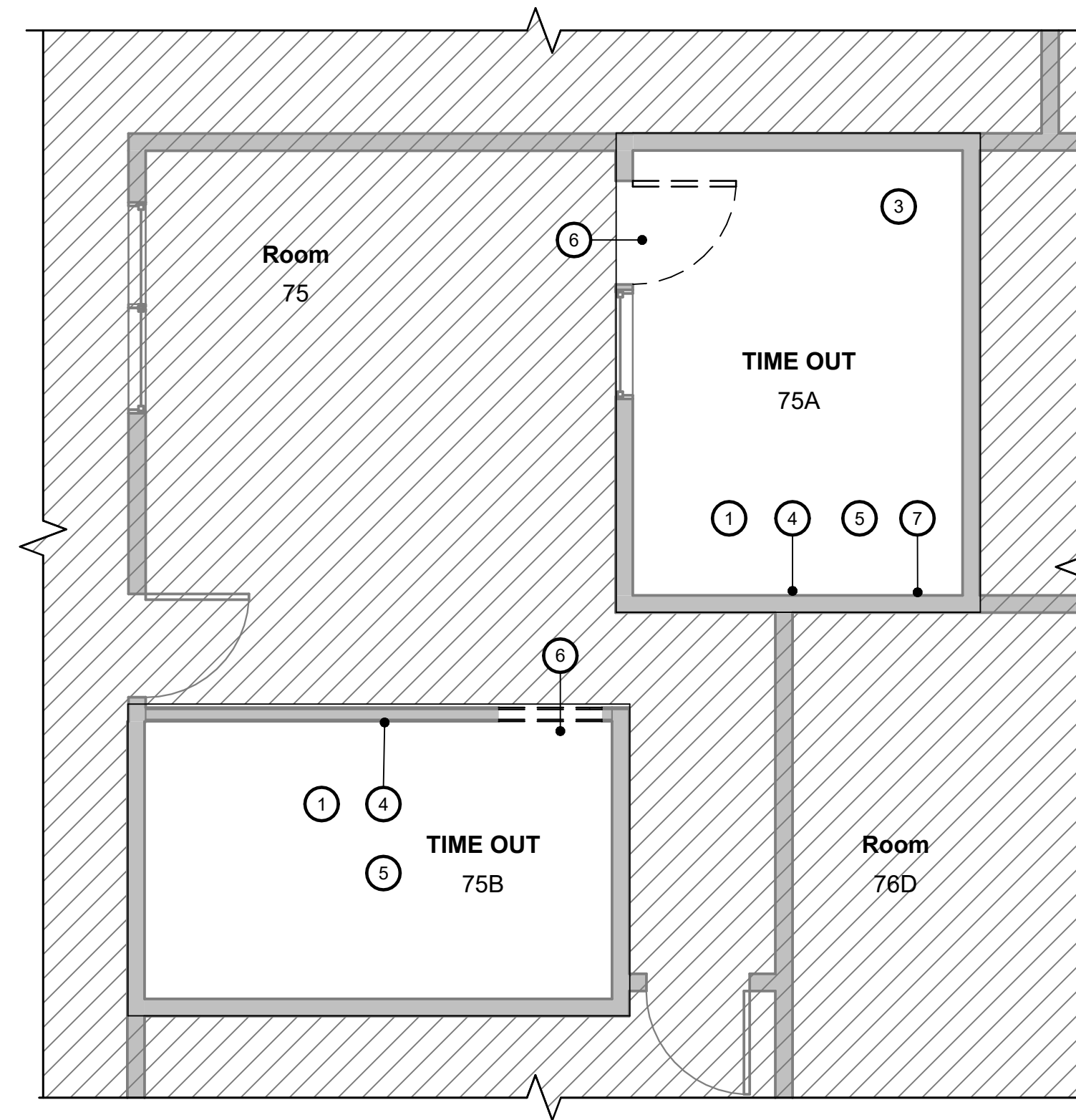


KEYNOTES- NEW CHILL ROOMS	
Note Number	Note Text
1	PREP CONCRETE TO ACCEPT NEW FLOORING
2	PREP WALLS TO ACCEPT NEW FINISHES, REMOVE ANY EXISTING WALL PROTECTION AS REQ'D
3	SALVAGE ANY EXISTING DOOR HARDWARE
4	PREP AND FILL EXISTING DOOR FRAMES TO ACCEPT NEW FINISH
5	INSTALL NEW CEILINGS, COORDINATE REINSTALL OF ALL CEILING FIXTURES
6	NEW MDO WALL BASE, TYP.
7	CONSTRUCT NEW WALL FROM TOP OF EXISTING TO BOTTOM OF DECK

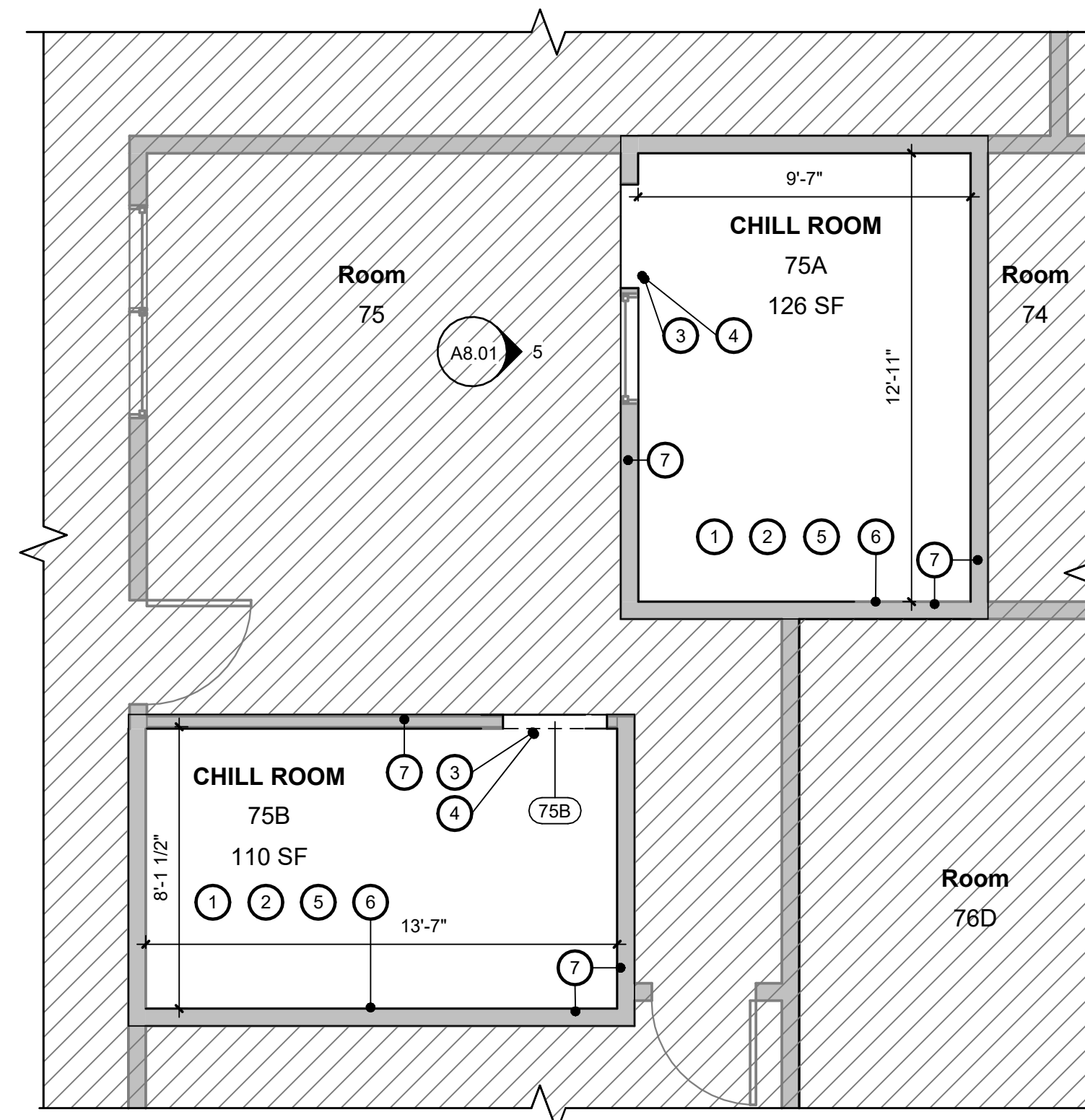
③ FLOOR PLAN - ROOM 42 NEW
1/4" = 1'-0"

④ FLOOR PLAN - ROOM 31 NEW
1/4" = 1'-0"





1 FLOOR PLAN - ROOM 75 DEMO
1/4" = 1'-0"



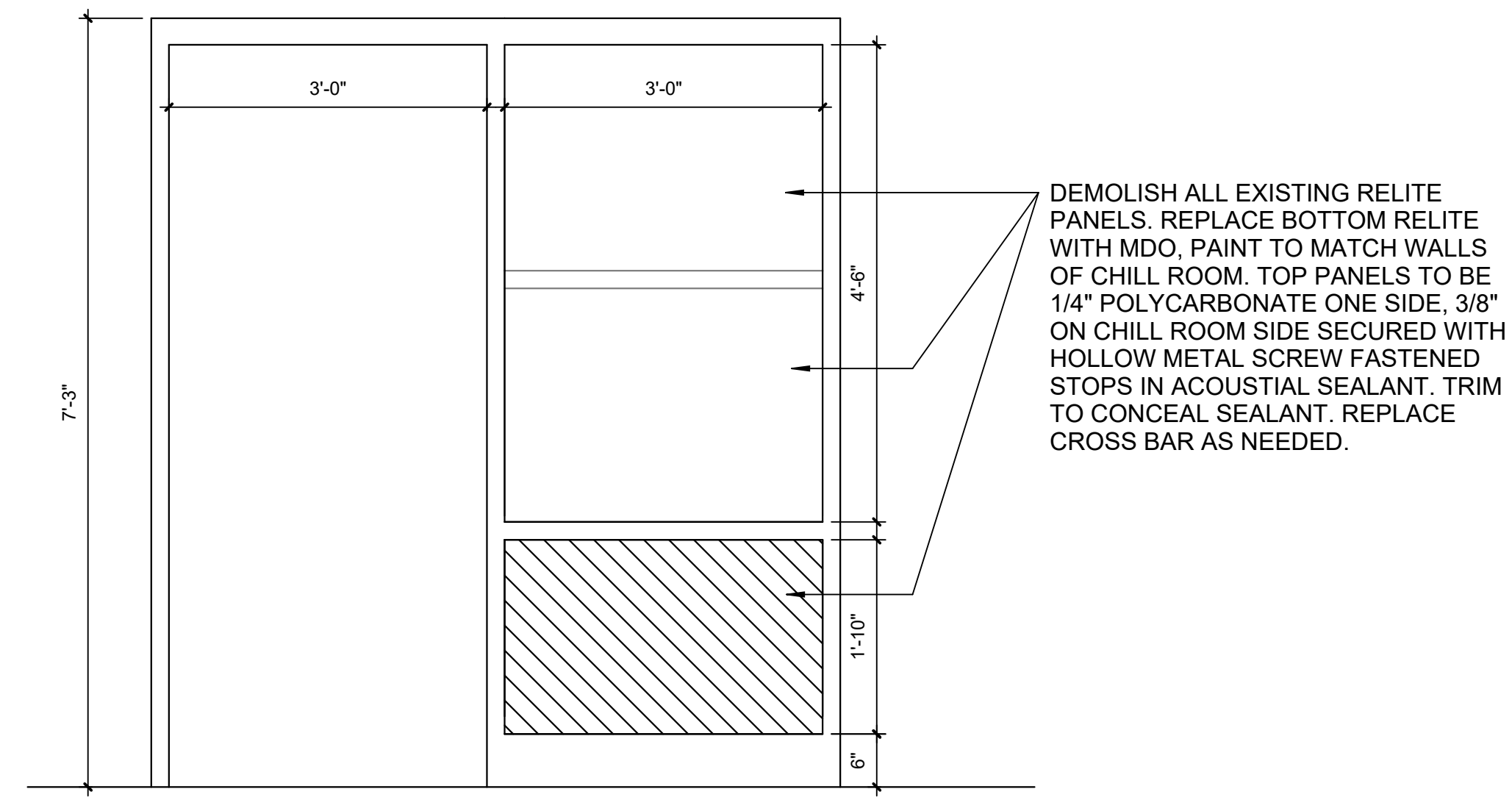
2 FLOOR PLAN - ROOM 75 NEW
1/4" = 1'-0"

NOTIFICATION OF CHILD OCCUPIED FACILITY
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KEYNOTES- DEMO TIME OUT ROOMS	
Note Number	Note Text
1	DEMO EXISTING FLOORING TO EXISTING THRESHOLD
2	DEMO MIRRORS AND ASSOCIATED CONSTRUCTION
3	SALVAGE AND REINSTALL ROOM ACCESSORIES INDICATED
4	DEMO WALL BASE
5	DEMO CEILING
6	DEMO DOOR PANEL, FRAME TO REMAIN, TYP.
7	DEMO FRAMED-IN RELITES



3 ELEVATION- 75A RELITE
3/4" = 1'-0"

KEYNOTES- NEW CHILL ROOMS	
Note Number	Note Text
1	PREP CONCRETE TO ACCEPT NEW FLOORING
2	PREP WALLS TO ACCEPT NEW FINISHES, REMOVE ANY EXISTING WALL PROTECTION AS REQ'D
3	SALVAGE ANY EXISTING DOOR HARDWARE
4	PREP AND FILL EXISTING DOOR FRAMES TO ACCEPT NEW FINISH
5	INSTALL NEW CEILINGS, COORDINATE REINSTALL OF ALL CEILING FIXTURES
6	NEW MDO WALL BASE, TYP.
7	CONSTRUCT NEW WALL FROM TOP OF EXISTING TO BOTTOM OF DECK

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ANCHORAGE SCHOOL DISTRICT
 WHALEY ELEMENTARY MSDR PROJECT
 ECI ARCHITECTURE DESIGN STRATEGY
 821 N St. Ste 201
 ANCHORAGE, ALASKA 99501 907.561.5543
 PROJECT NO. 19-0028.03



ENLARGED FLOOR PLANS
 AUTHOR: DR/DS CHECKED: JWS
 REVISION:
 ISSUE DATE: 11/28/2023
 OWNER PROJECT # 625011

NOTIFICATION OF CHILD OCCUPIED FACILITY

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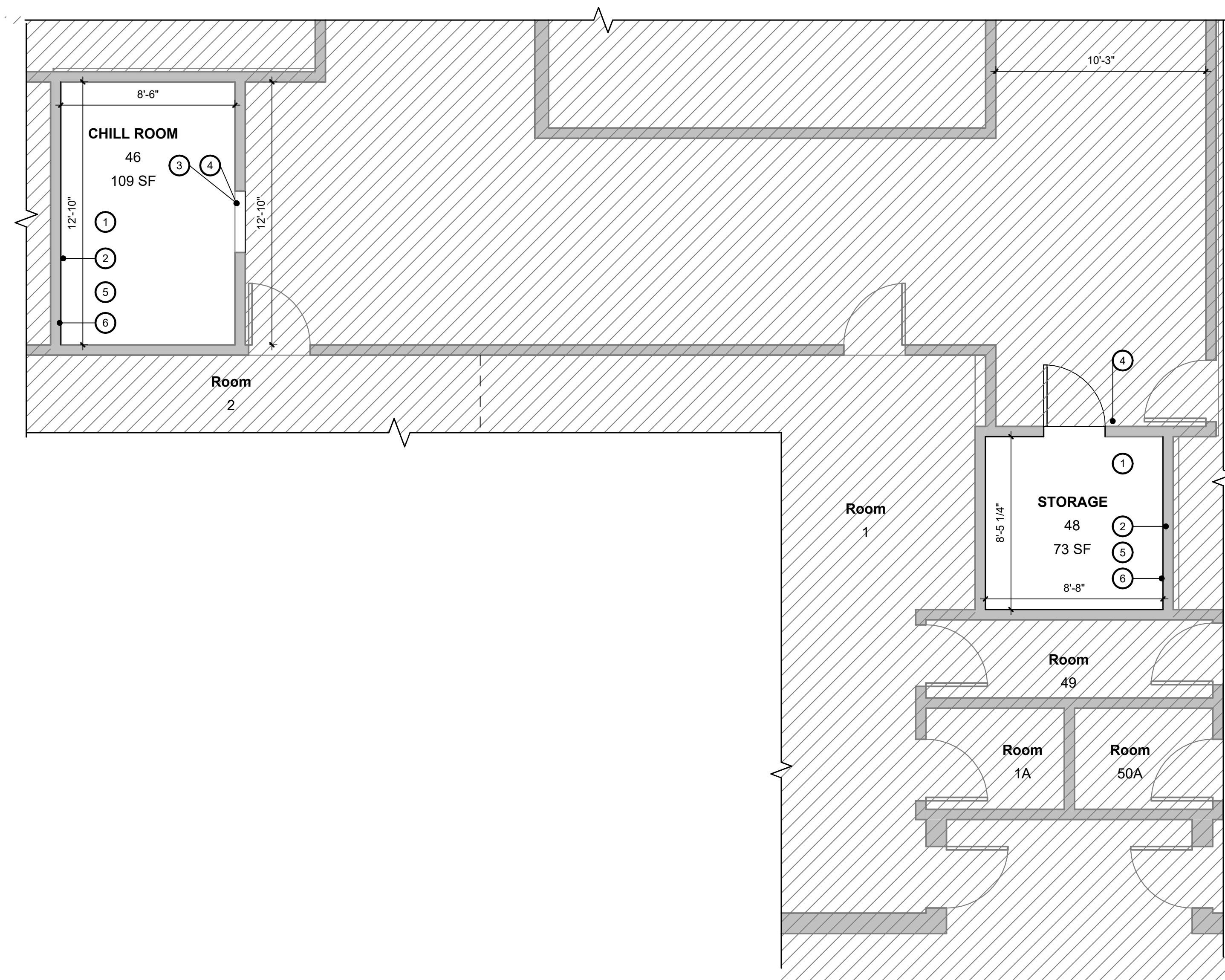
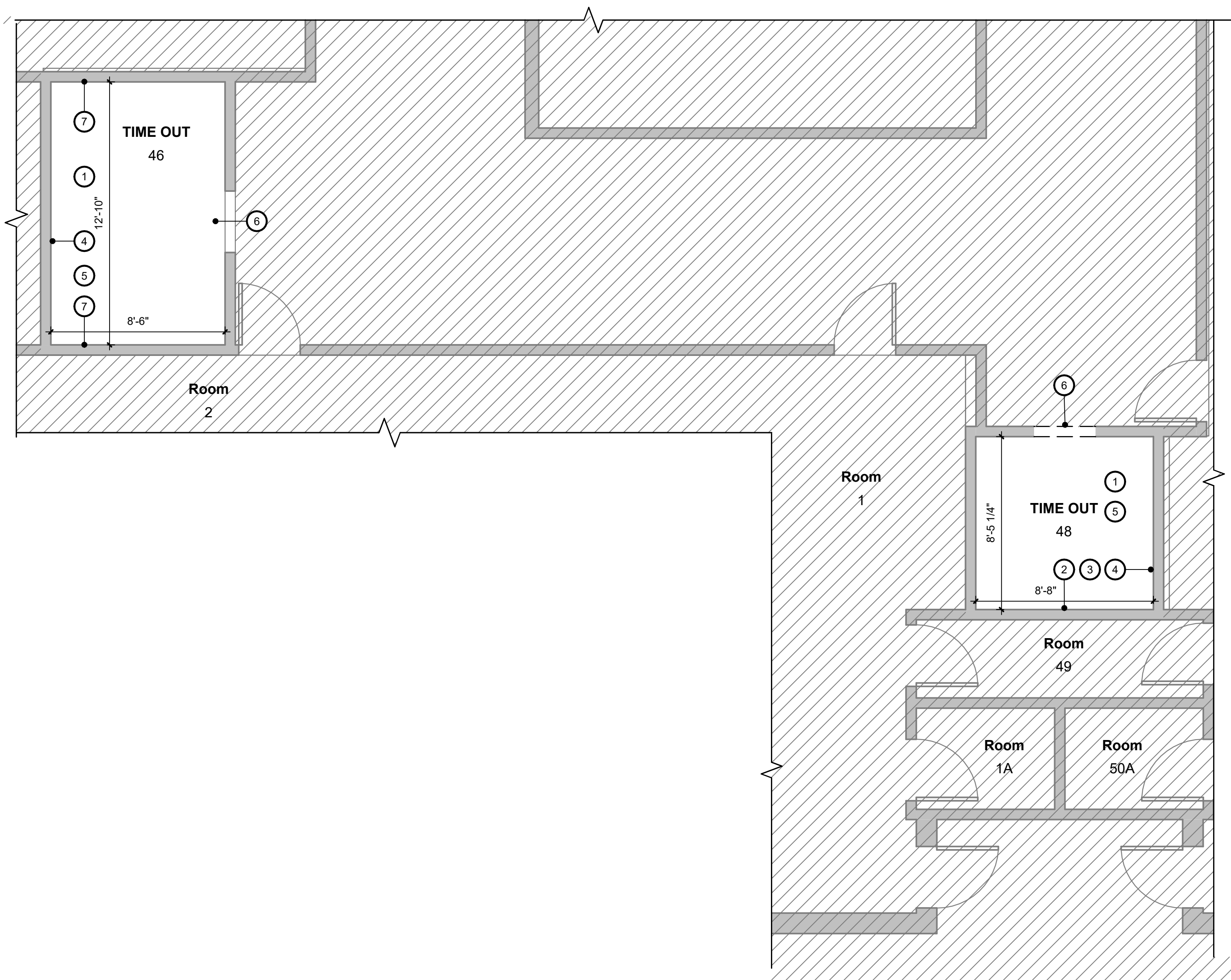
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KEYNOTES- DEMO TIME OUT ROOMS	
Note Number	Note Text
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Note Number	Note Text
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5	INSTALL NEW CEILINGS, COORDINATE REINSTALL OF ALL CEILING FIXTURES
6	NEW MDO WALL BASE, TYP.
7	CONSTRUCT NEW WALL FROM TOP OF EXISTING TO BOTTOM OF DECK



1 FLOOR PLAN - ROOM 46/48 DEMO
1/4" = 1'-0"

3 FLOOR PLAN - ROOM 46/48 NEW
1/4" = 1'-0"

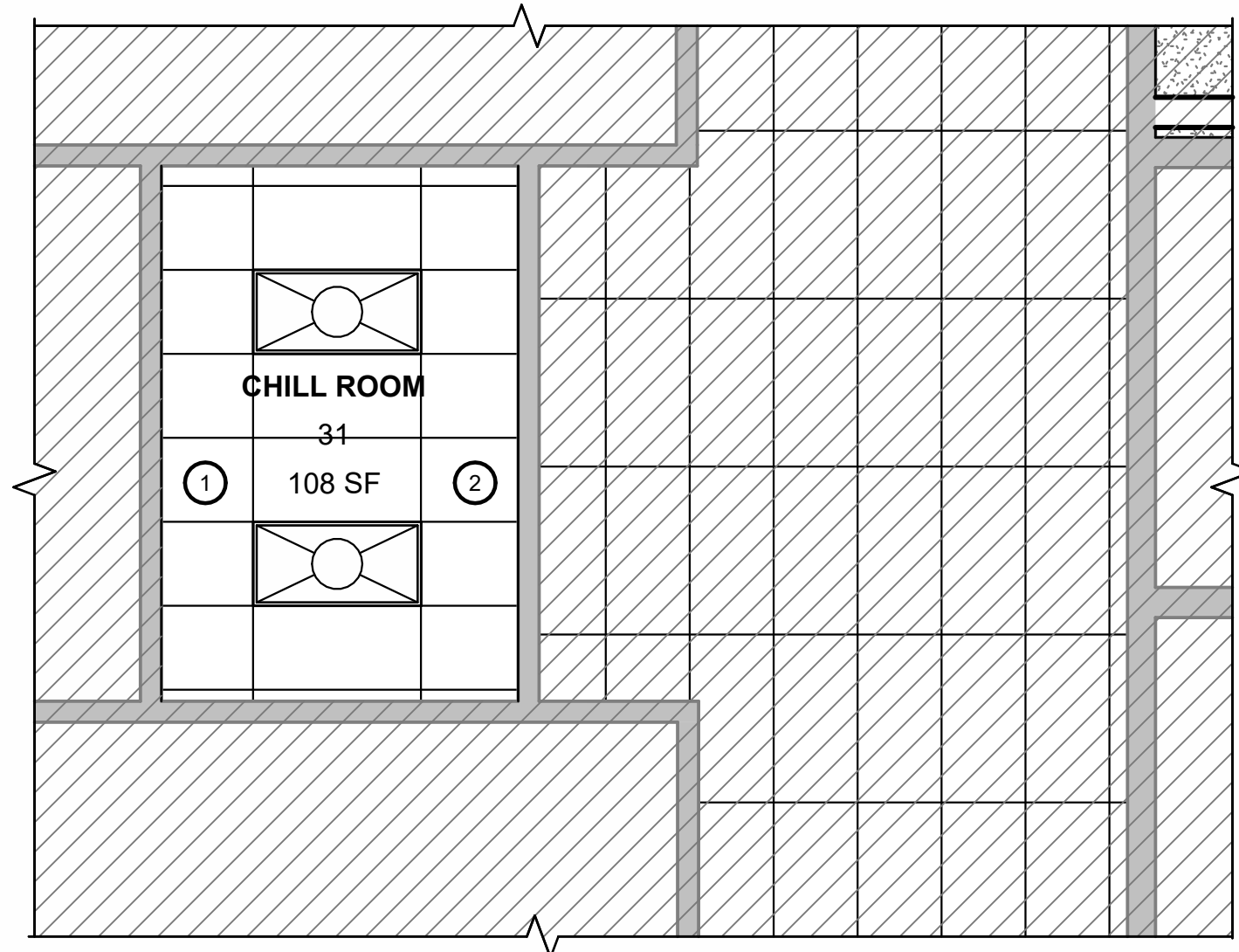


NOTIFICATION OF CHILD OCCUPIED FACILITY

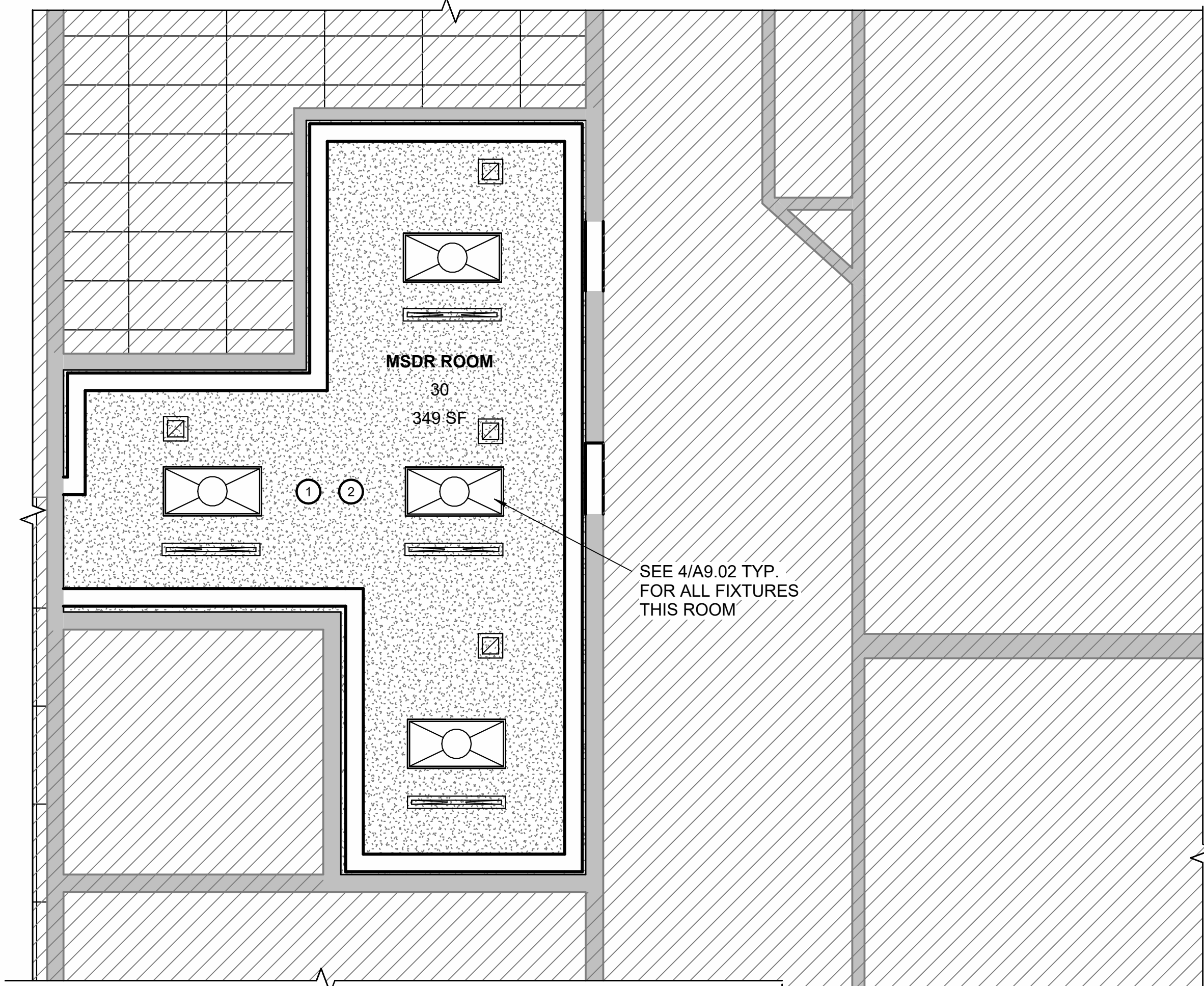
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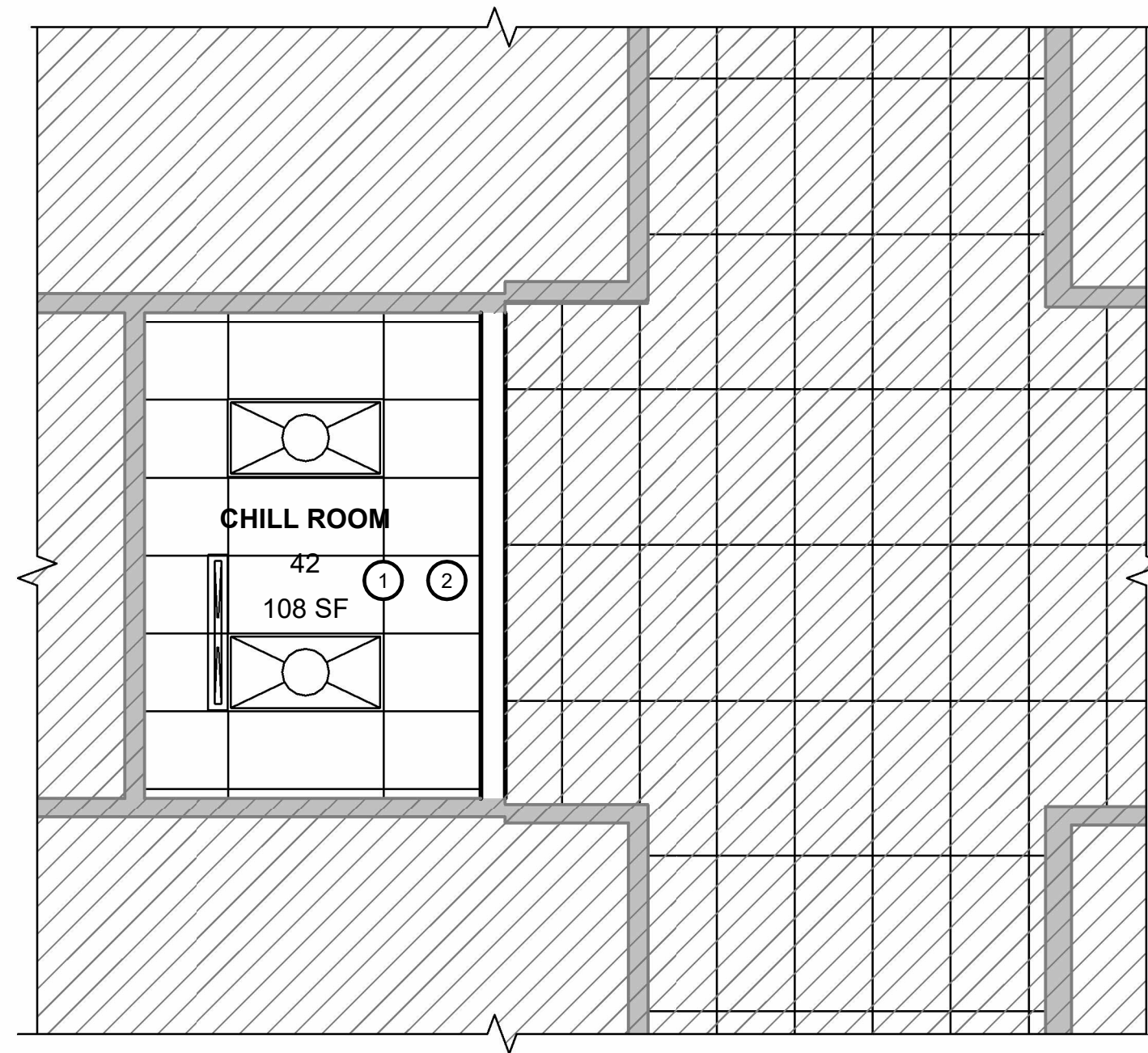


LEVEL 1 - REFLECTED CEILING PLAN -
ROOM 31 NEW
1/4" = 1'-0"



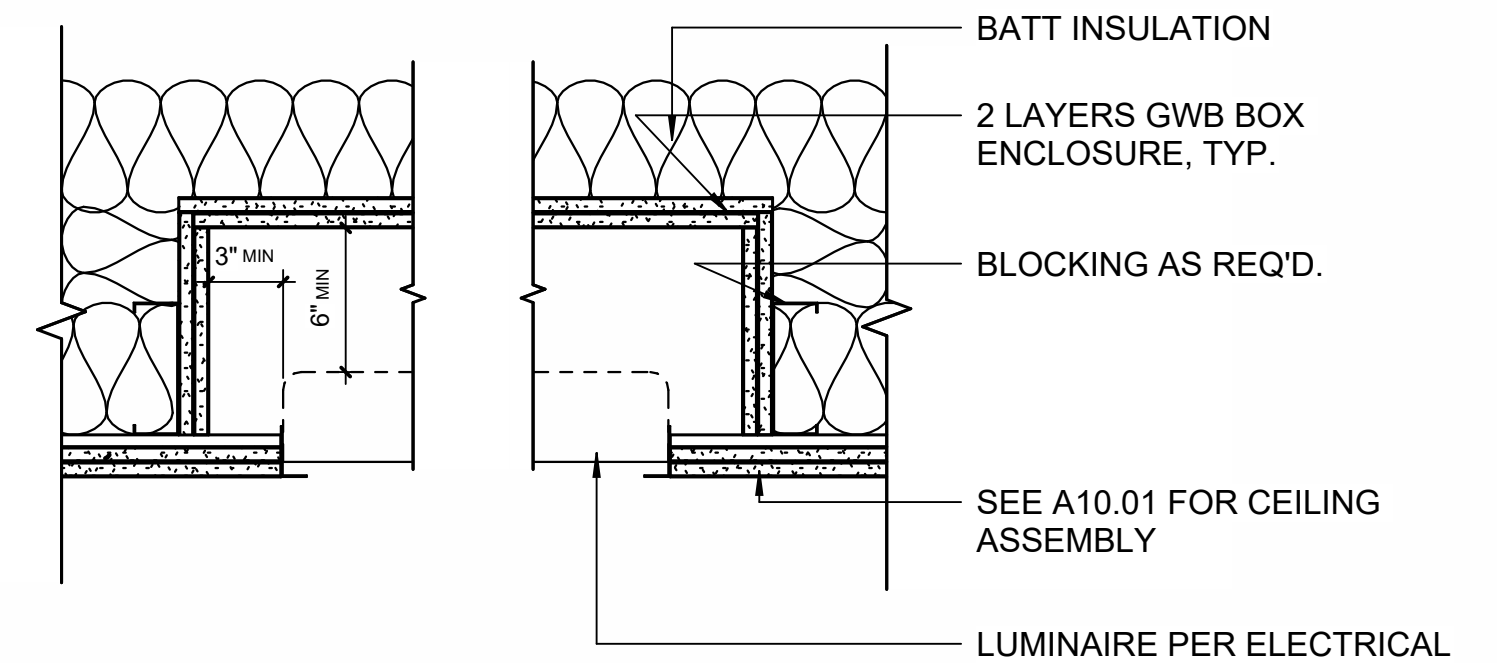
SEE 4/A9.02 TYP.
FOR ALL FIXTURES
THIS ROOM

LEVEL 1 - REFLECTED CEILING PLAN -
ROOM 27 NEW
1/4" = 1'-0"



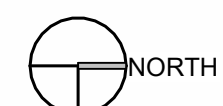
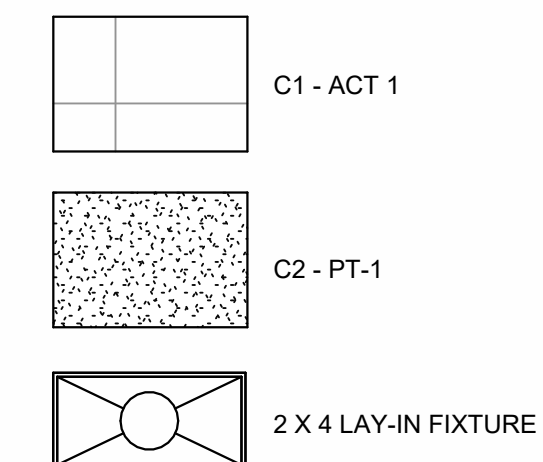
LEVEL 1 - REFLECTED CEILING PLAN -
ROOM 42 NEW
1/4" = 1'-0"

KEYNOTES- RCP	
Note Number	Note Text
1	INSTALL NEW CEILINGS, COORDINATE REINSTALL OF ALL CEILING FIXTURES. SEE DEMO FLOOR PLAN FOR SCOPE. NEW CEILINGS 9' TYP.
2	ALL NEW OR RELOCATED SPRINKLER HEADS TO BE RECESSED W/ FLUSH COVERS, TYP.



SECTION DETAIL - TYPICAL LUMINAIRE
AT MSDR ROOM
1 1/2" = 1'-0"

CEILING LEGEND

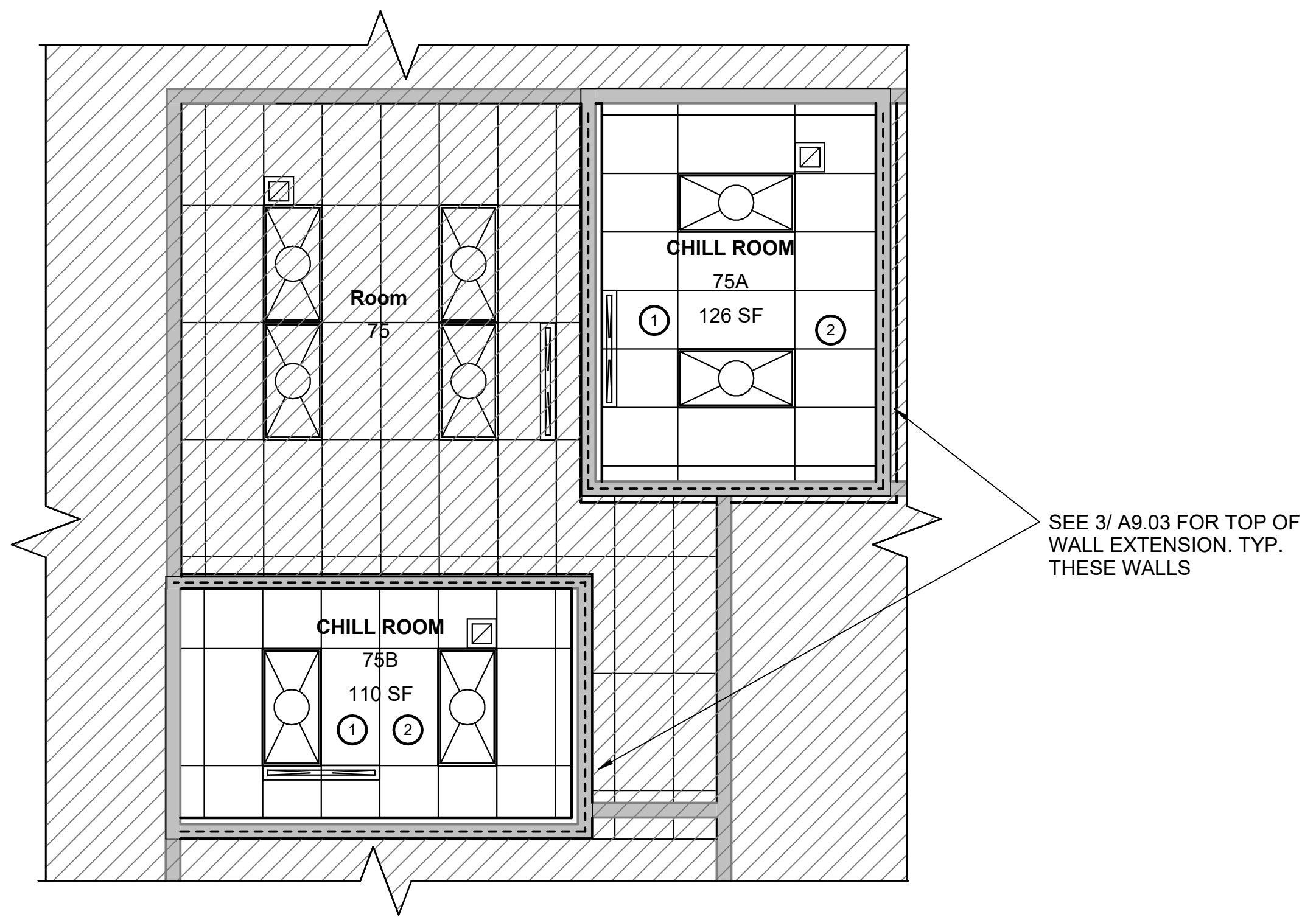
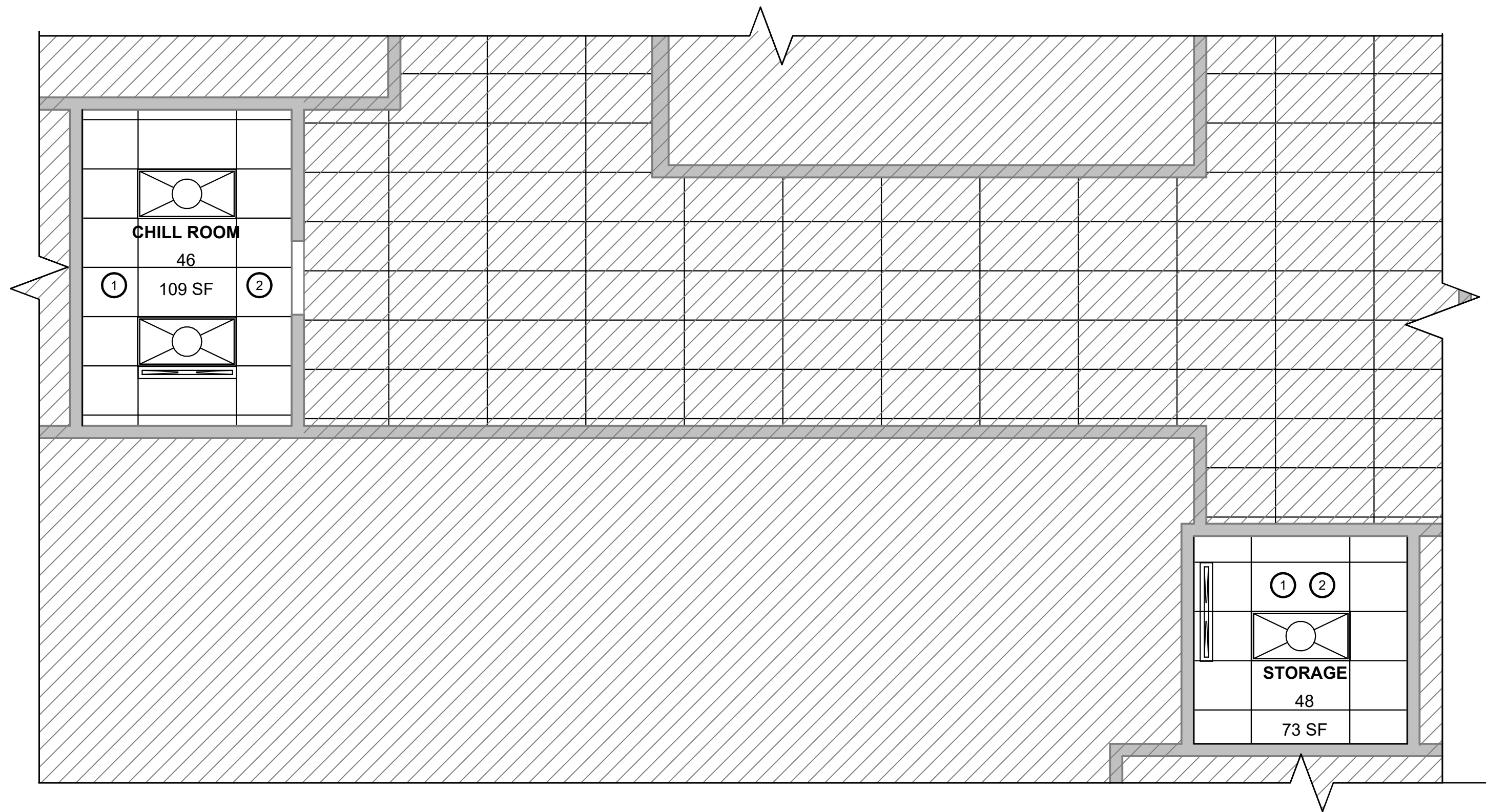


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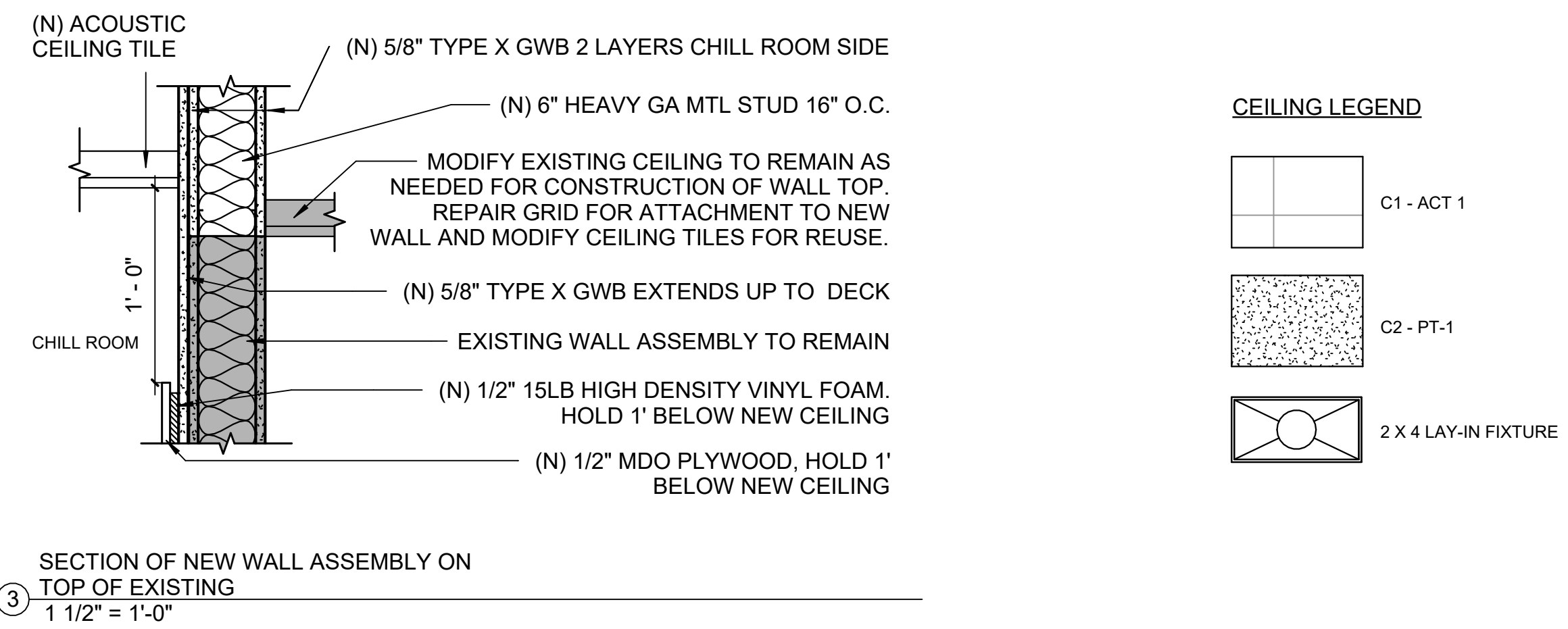
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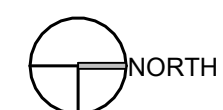
1 LEVEL 1 - REFLECTED CEILING PLAN - ROOM 46/48 NEW
1/4" = 1'-0"

2 LEVEL 1 - REFLECTED CEILING PLAN - ROOM 46/48 NEW Copy 1
1/4" = 1'-0"

KEYNOTES- RCP	
Note Number	Note Text
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2	ALL NEW OR RELOCATED SPRINKLER HEADS TO BE RECESSED W/ FLUSH COVERS, TYP.



3 SECTION OF NEW WALL ASSEMBLY ON TOP OF EXISTING
1 1/2" = 1'-0"



NOTIFICATION OF CHILD OCCUPIED FACILITY

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ECI ARCHITECTURE DESIGN STRATEGY
821 N St. Ste 201
ANCHORAGE, ALASKA 99501 907.561.5543
PROJECT NO. 19-0028.03

ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY MSDR
PROJECT



BID DOCUMENTS

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	Ceiling Finish	WALL FINISH				NOTES
					EAST	SOUTH	WEST	NORTH	
30	MSDR ROOM	LVP-1	MDO PT-3	PT-1	PT-1	PT-1	PT-1	PT-2	FOAM AND MDO ALL INTERIOR WALLS TO 8'
31	CHILL ROOM	LVP-1	MDO PT-3	ACT-1	PT-1	PT-2	PT-2	PT-1	FOAM AND MDO ALL INTERIOR WALLS TO 8'
37	CHILL ROOM	LVP-1	MDO PT-3	ACT-1	PT-1	PT-1	PT-1	PT-2	FOAM AND MDO ALL INTERIOR WALLS TO 8'
42	CHILL ROOM	LVP-1	MDO PT-3	ACT-1	PT-1	PT-1	PT-2	PT-1	FOAM AND MDO ALL INTERIOR WALLS TO 8'
46	CHILL ROOM	LVP-1	MDO PT-3	ACT-1	PT-1	PT-1	PT-2	PT-1	FOAM AND MDO ALL INTERIOR WALLS TO 8'
48	STORAGE	N/A	N/A	N/A	PT-1	PT-1	PT-1	PT-1	PATCH EXISTING WALLS FOR NEW PAINT
75A	CHILL ROOM	LVP-1	MDO PT-3	ACT-1	PT-1	PT-1	PT-2	PT-1	FOAM AND MDO ALL INTERIOR WALLS TO 8'
75B	CHILL ROOM	LVP-1	MDO PT-3	ACT-1	PT-1	PT-1	PT-2	PT-1	FOAM AND MDO ALL INTERIOR WALLS TO 8'

FINISH MATERIAL LEGEND

MARK	MATERIAL	SPECIFICATION SECTION
ACT-1	ACOUSTIC CEILING TILE	09 51 00
LVP-1	LUXURY VINYL PLANK	09 65 00
PT-1	PAINT - SW 6119 ANTIQUE WHITE	09 90 00
PT-2	PAINT - COLOR TBD	09 90 00
PT-3	PAINT - COLOR TBD	09 90 00

POLYCARBONATE - BASIS OF DESIGN- "MAKROLON AR".
MINIMUM 1/2" THICKNESS OR AS NOTED. SCREW FASTEN PER MANUFACTURES RECCOMENDATION.

MDO (MEDIUM DENSITY OVERLAY PLYWOOD)- BASIS OF DESIGN- "PLUM CREEK ULTRA CORE 1/2" THICKNESS".

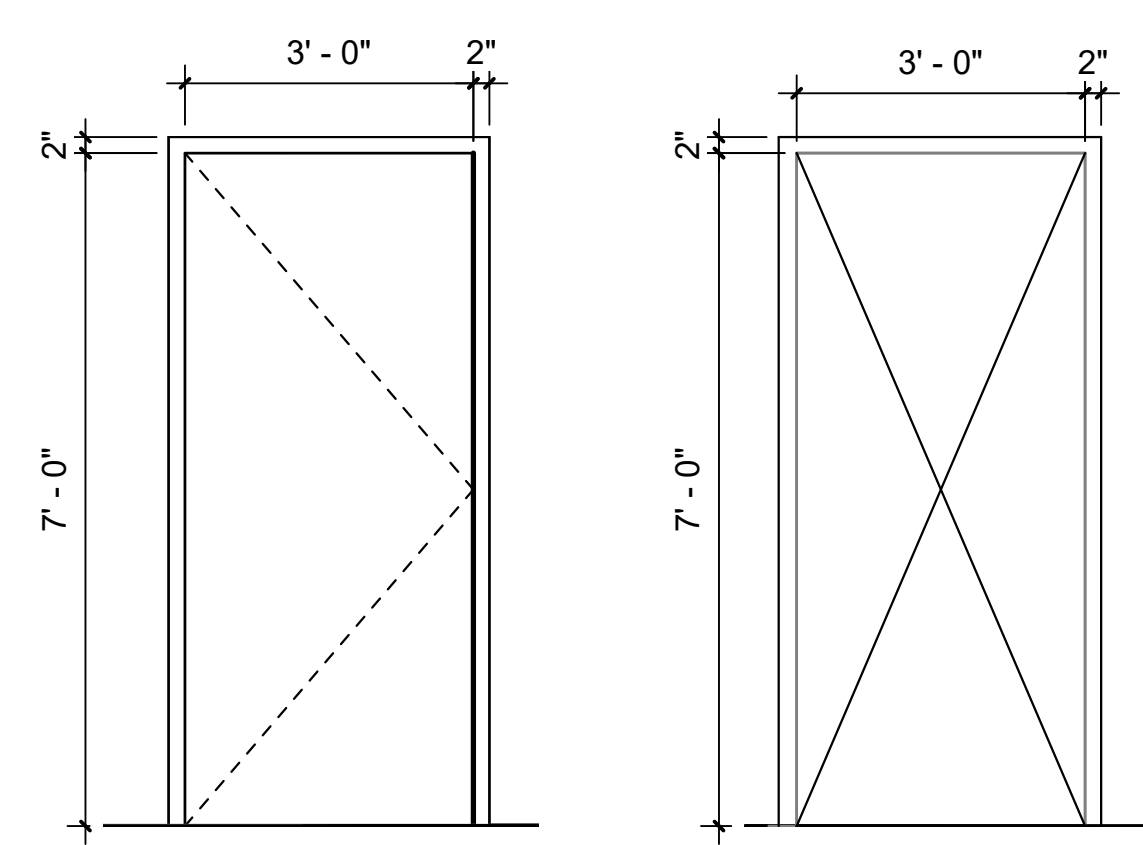
FOAM- BASIS OF DESIGN- "CROWN FOAM TECHNOLOGIES, HIGH DENSITY VINYL FOAM 15#+* 1/2" THICKNESS, BLACK 56" WIDTH. SEAL ALL E3DGES OF FOAM WITH PECORA AC-20 FTY IN 345 TRU WHITE

HOLLOW METAL FRAME FILLERS- BASIS OF DESIGN- "DON-JO FS-260-PC, P-HBP45" USE TO FILL EXISTING STRIKE AND HINGE PLATES ON FRAMES TO REMAIN.

DOOR SCHEDULE

MARK	DOOR				FRAME		GLAZING	HDWR	FIRE RATING	NOTES
	WIDTH	HEIGHT	MAT'L	FIN	MAT'L	FIN	TYPE			
48	3'-0"	7'-0"	HM	PT-1	HM	PT-1		HW-23	0	
42	3'-0"	7'-0"	NA	NA	HM	PT-1		NA	0	FRAME ONLY
75B	3'-0"	7'-0"	NA	NA	HM	PT-1		NA	0	FRAME ONLY
30	3'-0"	7'-0"	HM	PT-1	HM	PT-1	SG	HW-18	20	180 OPENING, VERIFY WALL THICKNESS IN FIELD FOR THROATED FRAME DIMENSIONS

DOOR LEGEND



① DOOR 30 AND 48
1/2" = 1'-0"

② DOOR 42 AND 75B (FRAME ONLY)
1/2" = 1'-0"

DOOR AND ROOM FINISH
SCHEDULE

AUTHOR: DR/DS
REVISION:
ISSUE DATE: 11/28/2023
OWNER PROJECT # 625011

CHECKED: JWS

A12.01

FULL SIZE PRINTED ON 22 x 34



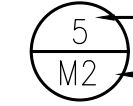
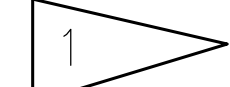





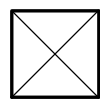
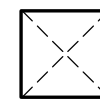
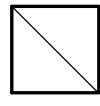
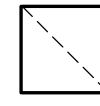
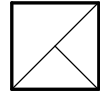
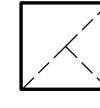
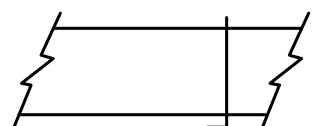
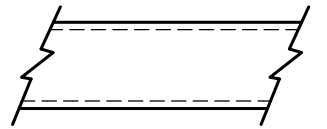
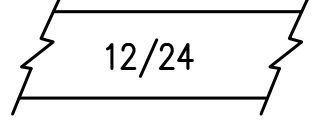
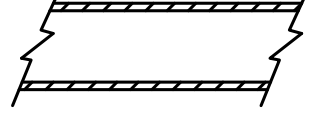

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PIPING LEGEND	DUCTWORK LEGEND	ABBREVIATIONS																																																																																																																												
 FIRE SPRINKLER HEAD LOGIC  POINT OF CONNECTION  5 M2 ———— DETAIL NUMBER ————— SHEET LOCATED ON  1 SHEET NOTES  CONNECTION ———— NECK SIZE  CFM ———— CFM ————— DIFFUSER OR GRILLE TYPE  X EXISTING DIFFUSER OR GRILLE	 T THERMOSTAT  S SENSOR   SUPPLY AIR UP & DOWN   RETURN AIR UP & DOWN   EXHAUST AIR UP & DOWN  VOLUME DAMPER  SOUND LINED DUCTWORK  12/24 DUCT SIZE (FIRST FIGURE - SIDE SHOWN) (SECOND FIGURE - SIDE NOT SHOWN)  INSULATED DUCTWORK  FLEXIBLE DUCT	<table border="0"> <tr> <td>ABV</td><td>ABOVE</td> <td>F</td><td>FAHRENHEIT</td> </tr> <tr> <td>ADA</td><td>AMERICAN W/ DISABILITIES ACT GUIDELINES</td> <td>FCO</td><td>FLOOR CLEANOUT</td> </tr> <tr> <td>AD</td><td>ACCESS DOOR</td> <td>GA</td><td>GAUGE</td> </tr> <tr> <td>AHAP</td><td>AS HIGH AS POSSIBLE</td> <td>GPM</td><td>GALLONS PER MINUTE</td> </tr> <tr> <td>AL</td><td>ALUMINUM</td> <td>HD</td><td>HEAD</td> </tr> <tr> <td>AMPS</td><td>AMPERES</td> <td>HP</td><td>HORSEPOWER</td> </tr> <tr> <td>ARCH</td><td>ARCHITECTURAL</td> <td>IN</td><td>INCHES</td> </tr> <tr> <td>BLDG</td><td>BUILDING</td> <td>MAX</td><td>MAXIMUM</td> </tr> <tr> <td>BOD</td><td>BOTTOM OF DUCT</td> <td>MBH</td><td>THOUSAND BTUH</td> </tr> <tr> <td>BTUH</td><td>BRITISH THERMAL UNIT/HOUR</td> <td>MFGR</td><td>MANUFACTURER</td> </tr> <tr> <td>CAP</td><td>CAPACITY</td> <td>MIN</td><td>MINIMUM</td> </tr> <tr> <td>CFM</td><td>CUBIC FEET PER MINUTE</td> <td>MTD</td><td>MOUNTED</td> </tr> <tr> <td>CIRC</td><td>CIRCULATING</td> <td>NC</td><td>NOISE CRITERIA</td> </tr> <tr> <td>CLG</td><td>CEILING</td> <td>NTS</td><td>NOT TO SCALE</td> </tr> <tr> <td>CONT</td><td>CONTINUED</td> <td>OC</td><td>ON CENTER</td> </tr> <tr> <td>C.O./CO</td><td>CLEANOUT</td> <td>O/A</td><td>OUTSIDE AIR</td> </tr> <tr> <td>CONN</td><td>CONNECTION</td> <td>OD</td><td>OUTSIDE DAMPER</td> </tr> <tr> <td>CUH-X</td><td>CABINET UNIT HEATER DESIGNATOR</td> <td>PH</td><td>PHASE</td> </tr> <tr> <td>CU</td><td>COPPER</td> <td>PSI</td><td>POUND PER SQUARE INCH</td> </tr> <tr> <td>CW</td><td>COLD WATER</td> <td>R/A</td><td>RETURN AIR</td> </tr> <tr> <td>DIA</td><td>DIAMETER</td> <td>RPM</td><td>REVOLUTIONS PER MINUTE</td> </tr> <tr> <td>DEG</td><td>DEGREE</td> <td>S/A</td><td>SUPPLY AIR</td> </tr> <tr> <td>DIM</td><td>DIMENSION</td> <td>SP</td><td>STATIC PRESSURE</td> </tr> <tr> <td>DWG</td><td>DRAWING</td> <td>TSP</td><td>TOTAL STATIC PRESSURE</td> </tr> <tr> <td>(E)</td><td>EXISTING</td> <td>T'STAT</td><td>THERMOSTAT</td> </tr> <tr> <td>E/A</td><td>EXHAUST AIR</td> <td>TYP</td><td>TYPICAL</td> </tr> <tr> <td>EAT</td><td>ENTERING AIR TEMPERATURE</td> <td>UH-X</td><td>UNIT HEATER DESIGNATOR</td> </tr> <tr> <td>EF-X</td><td>EXHAUST FAN DESIGNATOR</td> <td></td><td></td> </tr> <tr> <td>EXH</td><td>EXHAUST</td> <td></td><td></td> </tr> <tr> <td>FT</td><td>FEET</td> <td></td><td></td> </tr> <tr> <td>FC</td><td>FORWARD CURVE</td> <td></td><td></td> </tr> </table>	ABV	ABOVE	F	FAHRENHEIT	ADA	AMERICAN W/ DISABILITIES ACT GUIDELINES	FCO	FLOOR CLEANOUT	AD	ACCESS DOOR	GA	GAUGE	AHAP	AS HIGH AS POSSIBLE	GPM	GALLONS PER MINUTE	AL	ALUMINUM	HD	HEAD	AMPS	AMPERES	HP	HORSEPOWER	ARCH	ARCHITECTURAL	IN	INCHES	BLDG	BUILDING	MAX	MAXIMUM	BOD	BOTTOM OF DUCT	MBH	THOUSAND BTUH	BTUH	BRITISH THERMAL UNIT/HOUR	MFGR	MANUFACTURER	CAP	CAPACITY	MIN	MINIMUM	CFM	CUBIC FEET PER MINUTE	MTD	MOUNTED	CIRC	CIRCULATING	NC	NOISE CRITERIA	CLG	CEILING	NTS	NOT TO SCALE	CONT	CONTINUED	OC	ON CENTER	C.O./CO	CLEANOUT	O/A	OUTSIDE AIR	CONN	CONNECTION	OD	OUTSIDE DAMPER	CUH-X	CABINET UNIT HEATER DESIGNATOR	PH	PHASE	CU	COPPER	PSI	POUND PER SQUARE INCH	CW	COLD WATER	R/A	RETURN AIR	DIA	DIAMETER	RPM	REVOLUTIONS PER MINUTE	DEG	DEGREE	S/A	SUPPLY AIR	DIM	DIMENSION	SP	STATIC PRESSURE	DWG	DRAWING	TSP	TOTAL STATIC PRESSURE	(E)	EXISTING	T'STAT	THERMOSTAT	E/A	EXHAUST AIR	TYP	TYPICAL	EAT	ENTERING AIR TEMPERATURE	UH-X	UNIT HEATER DESIGNATOR	EF-X	EXHAUST FAN DESIGNATOR			EXH	EXHAUST			FT	FEET			FC	FORWARD CURVE		
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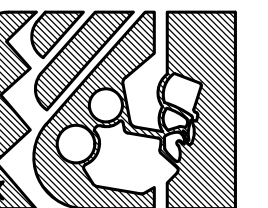
AIR INLET/OUTLET SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	USE	MATERIAL	FINISH	CFM	FACE SIZE (IN.)	NC	REMARKS
A	TITUS	ML-38	CEILING	SUPPLY	ALUMINUM	WHITE	PER PLANS	PER PLANS	<25	3/4" BLADE SPACING, 2 SLOT SUPPLY WITH ML-38 PLENUM.
B	TITUS	45 F	CEILING	RETURN	ALUMINUM	WHITE	PER PLANS	PER PLANS	<25	PROVIDE MOUNTING HARDWARE PER CEILING TYPE. PROVIDE EARTHQUAKE TABS.

LEGEND, ABB, AND SCHEDULES

AUTHOR:SR
 REVISION:
 ISSUE DATE:11/21/2023
 OWNER PROJECT # M3136

CHECKED:DRM



**ANCHORAGE SCHOOL DISTRICT
 WHALEY ELEMENTARY PROJECT**

PRICING SET

R S A Engineering, Inc.
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
 821 N. St. Ste 201
 ANCHORAGE, ALASKA 99501 907.561.5543
 PROJECT NO.19-0028.03
 Corporate No: AECCE#2

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NOTIFICATION OF CHILD OCCUPIED FACILITY

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ARRANGED AND BOOKMARKED BY SPECIFICATION SECTION. SUBMIT ON ALL SCHEDULED EQUIPMENT AND ALL MATERIALS AND EQUIPMENT AS NOTED IN THE SPECIFICATIONS.

MATERIALS - ALL MATERIALS OTHER THAN OWNER SUPPLIED SHALL BE NEW AND UNUSED, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND IN THE BEST PRACTICE OF THE CRAFT. OBTAIN OWNER APPROVAL OF ALL PRODUCTS PRIOR TO ORDERING OR INSTALLING ANY PART OF ANY SYSTEM.

EQUIPMENT SUBSTITUTIONS - ALL EQUIPMENT LISTED AND SCHEDULED ARE REPRESENTATIVE OF THE STANDARD OF QUALITY AND PERFORMANCE REQUIRED. "OR EQUAL" SUBSTITUTIONS WILL BE CONSIDERED IF SUBSTITUTE DATA SHEETS ARE SUBMITTED AND ARE SHOWN TO BE OF EQUAL OR BETTER QUALITY, INCLUDING EFFICIENCY OF PERFORMANCE, AND SIZE AND WEIGHT. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL SUBSTITUTIONS.

WORKMANSHIP - INSTALLATION OF ALL WORK SHALL BE MADE SO THAT ITS SEVERAL COMPONENT PARTS SHALL FUNCTION AS A WORKABLE SYSTEM COMPLETE WITH ALL ACCESSORIES NECESSARY FOR ITS OPERATION. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS AND/OR INSTALLATION DRAWINGS. MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM WITH APPLICABLE INDUSTRY STANDARDS, AND THIRD PARTY LISTINGS WHERE APPLICABLE.

WARRANTY - ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM PROJECT COMPLETION AND OWNER ACCEPTANCE. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE WARRANTY PERIOD.

EQUIPMENT INSTALLATION AND ACCESS - INSTALL ALL EQUIPMENT WHERE NOTED ON THE DRAWINGS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PROVIDE MISCELLANEOUS APPURTENANCES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS INCLUDING ACCESSORIES, SUPPORTS AND CONTROL CONNECTIONS REQUIRED FOR COMPLETE AND OPERATING SYSTEMS. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AND PROVIDE WORKABLE ACCESS TO ALL SERVICEABLE AND/OR OPERABLE EQUIPMENT.

OPERATION AND MAINTENANCE MANUAL - PROVIDE THE OWNER WITH AN OPERATING AND MAINTENANCE MANUAL TO INCLUDE DATA CUTSHEETS MARKED WITH THE SPECIFIC ITEM USED, MANUFACTURER'S SPECIFICATIONS, OPERATING AND MAINTENANCE INSTRUCTIONS, WARRANTY INFORMATION ON EACH PIECE OF EQUIPMENT, RECORD DRAWINGS WITH INSTALLED LOCATIONS NOTED, SOURCE OF SUPPLY FOR SPARE PARTS AND SERVICE. OPERATION AND MAINTENANCE MANUAL SHALL BE IN ELECTRONIC FORM AND SHALL BE SUBMITTED FOR REVIEW. THE DATA SHALL BE ARRANGED AND BOOKMARKED BY SPECIFICATION SECTION.

RECORD DRAWINGS - PROVIDE ACCURATE PROJECT RECORD DRAWINGS, SHOWN IN RED INK ON A CLEAN SET OF PRINTS. SHOWING ALL CHANGES FROM THE ORIGINAL PLANS MADE DURING INSTALLATION OF THE WORK. SHOW THE DIMENSIONED LOCATION AND ROUTING OF ALL MECHANICAL WORK THAT IS PERMANENTLY CONCEALED. SHOW ROUTING OF WORK IN PERMANENTLY CONCEALED BLIND SPACES WITHIN THE BUILDING. SHOW COMPLETE ROUTING AND SIZING OF ANY SIGNIFICANT REVISIONS TO THE SYSTEMS SHOWN. SUBMIT ORIGINAL COPY TO OWNER AT THE COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION INSPECTION. PROVIDE ELECTRONIC COPY OF UPDATED CONTROLS SHOP DRAWINGS INCLUDING PLANS, PANEL WIRING DIAGRAMS, AND SEQUENCES OF OPERATIONS TO ACCURATELY REFLECT INSTALLED CONDITIONS.

SEISMIC RESTRAINT - ALL PIPING, DUCTWORK, AND EQUIPMENT INSTALLED UNDER THIS PROJECT SHALL BE SEISMICALLY RATED AND RESTRAINED FOR A SEISMIC EVENT IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE IBC AND ASCE 7 AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE. THE CONTRACTOR SHALL PROVIDE A DEFERRED SUBMITTAL FOR REVIEW TO THE ENGINEER FOR SEISMIC RESTRAINT DESIGN WITH CALCULATIONS AND SHOP DRAWINGS. SEISMIC RESTRAINT CALCULATIONS AND SHOP DRAWINGS SHALL INCLUDE A STRUCTURAL ENGINEERS STAMP AND SIGNATURE PRIOR TO INSTALLATION.

DEMOLITION DRAWINGS ARE BASED ON AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK-THROUGH OF THE FACILITY. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING THE EXISTING INSTALLATION. DISABLE SYSTEMS ONLY TO MAKE SWITCH OVERS AND CONNECTIONS. COORDINATE WITH PHASING PLAN TO PERFORM WORK IN SEQUENCE WITH OTHER TRADES AND MAINTAIN CODE MINIMUM MECHANICAL SERVICE

SECTION 21 00 00 - FIRE SUPPRESSION

CONTRACTOR IS TO REVISE EXISTING WET AUTOMATIC FIRE SPRINKLER SYSTEM TO PROVIDE COMPLETE COVERAGE OF PROJECT AREA WHERE AFFECTED BY PARTITION CHANGES. FIRE PROTECTION SYSTEM SHALL BE IN COMPLIANCE WITH CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS, AS WELL AS THE AUTHORITY HAVING JURISDICTION ASA DEFINED IN NFPA 13. PROVIDE NEW SPRINKLER HEADS AS REQUIRED, NEW HEADS SHALL MATCH MAKE, MODEL, AND FINISH OF EXISTING SPRINKLERS WHILE COMPLYING WITH NFPA 13 STANDARDS. SUBMIT SHOP DRAWINGS TO ENGINEER AND OWNER FOR APPROVAL.

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL, DESIGNERS NICET CERTIFICATION, SHOP DRAWINGS, AND HYDRAULIC CALCULATIONS MATERIALS:
 - 1. WET FIRE SPRINKLER PIPING:
 - 1.1. BLACK STEEL PIPING, ASTM A135 SCHEDULE 10 OR ASTM A795 SCHEDULE 40, UL LISTED OR FM APPROVED FOR FIRE SPRINKLER SERVICE.
 - 1.2. PIPING MAY BE ROLL-GROOVED, THREADED, FLANGED, OR WELDED FOR CONNECTION. ALL THREADED PIPING SHALL BE SCHEDULE 40. NO PLAIN-END FITTING CONNECTIONS ARE ALLOWED.
 - 2. FIRE SPRINKLER HEADS:
 - 2.1. PENDANT IN ALL AREAS WITH RECESSED LIGHTING FLUSH TO THE SUSPENDED CEILING FINISH, PROVIDE RECESSED STANDARD SPRAY PENDANT SPRINKLERS. SPRINKLERS AND ESCUTCHEONS TO BE CHROME FINISH. TYCO TY-FRB OR EQUAL.
- B. INSTALLATION:
 - 1. INSTALL PIPING TO CONSERVE BUILDING SPACE AND ROUTE PARALLEL TO BUILDING LINES AND AROUND ACCESS PANELS AND OPENINGS.
 - 2. PROVIDE SEISMIC PROTECTION FOR PIPING IN ACCORDANCE WITH NFPA 13 STANDARDS.
 - 3. HYDROSTATICALLY TEST THE ENTIRE SYSTEM IN ACCORDANCE WITH NFPA 13 STANDARDS.
 - 4. TEST ALL SYSTEM ALARMS.
 - 5. PERFORM MAIN DRAIN TEST.

SECTION 22 05 00: 23 05 00 - COMMON WORK RESULTS FOR MECHANICAL

THE INFORMATION SHOWN ON THESE PLANS FOR EXISTING CONDITIONS IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE INVESTIGATION OF THE FACILITY. THE INFORMATION SHOWN FOR EXISTING CONDITIONS MAY OR MAY NOT BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

PLANS - THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. THE DRAWINGS ARE PARTLY DIAGRAMMATIC, NOT NECESSARILY SHOWING ALL OFFSETS OR EXACT LOCATIONS OF PIPING AND DUCTS UNLESS SPECIFICALLY DIMENSIONED. CONTRACTOR IS TO COORDINATE PIPING, DUCTWORK, SPRINKLER HEADS, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL PLANS TO AVOID CONFLICTS. REVIEW THE DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT FURNISHED BY OTHER CRAFTS BUT INSTALLED IN ACCORDANCE WITH THIS SECTION. BRING QUESTIONABLE OR OBSCURE ITEMS, APPARENT CONFLICTS BETWEEN PLANS AND SPECIFICATIONS, GOVERNING CODES OR UTILITY REGULATIONS TO THE ATTENTION OF THE OWNER. CODES, ORDINANCES, REGULATIONS, STANDARDS, OR MANUFACTURER'S INSTRUCTIONS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS. COORDINATE WITH PHASING PLAN TO PERFORM COORDINATED WORK IN SEQUENCE WITH OTHER TRADES. MAINTAIN CODE MINIMUM MECHANICAL SERVICE TO ALL AREAS IMPACTED BY WORK WHERE STILL OCCUPIED BY THE OWNER.

STANDARDS, CODES, AND REGULATIONS - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL FIRE CODE (IFC), UNIFORM PLUMBING CODE (UPC), INTERNATIONAL ENERGY CONSERVATION CODE (IECC), INTERNATIONAL FUEL GAS CODE (IFGC), AND NATIONAL ELECTRIC CODE (NEC) AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE. SHEET METAL WORK SHALL BE DONE IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS.

ELECTRICAL WORK - ALL ELECTRICAL WORK IS TO BE PERFORMED BY A LICENSED ELECTRICIAN AND IN ACCORDANCE WITH NEC STANDARDS.

PERMITS - THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS AND FEES.

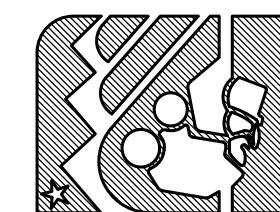
SUBMITTALS - SUBMITTALS SHALL BE IN ELECTRONIC FORM. THE DATA SHALL BE

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ANCHORAGE, ALASKA 99501 907.561.5543
PROJECT NO.19-0028.03

**ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY
PROJECT
PRICING SET**



MECHANICAL SPECIFICATIONS

AUTHOR:SR
REVISION:
ISSUE DATE:11/21/2023
OWNER PROJECT # M3136
CHECKED:DRM

M0.02

NOTIFICATION OF CHILD OCCUPIED FACILITY

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SECTION 22 07 00: 23 07 00 – INSULATION

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- B. MATERIALS
 - 1. INTERIOR DUCTWORK INSULATION – FSK DUCT WRAP: FLEXIBLE GLASS FIBER; ANSI/ASTM C553; COMMERCIAL GRADE; 'K' VALUE OF 0.27 AT 75 DEG F. JOHNS MANVILLE "800 SERIES SPIN-GLAS" OR EQUAL.
 - 2. RIGID FIBER BOARD, LINER – ASTM C1071; 'K' VALUE OF 0.23 AT 75°F; COATED AIR SIDE FOR MAXIMUM 6,000 FPM AIR VELOCITY, UL LISTED ADHESIVE GALVANIZED STEEL PINS. JOHNS MANVILLE "LINEACOUSTIC R-300" OR APPROVED EQUAL.
 - 3. FIBER FREE DUCT LINER – CLOSE-CELL, CFC AND HCFC FREE FLEXIBLE ELASTOMERIC ACOUSTICAL INSULATION WITH SCRIM-REINFORCED ACRYLIC ADHESIVE ON ONE SIDE. ASTM C534 TYPE 2 (SHEET) GRADE 1, 'K' VALUE OF 0.25 AT 75°F; NOISE REDUCTION COEFFICIENT OF 0.5 AT 1" THICKNESS. UL LISTED ADHESIVE GALVANIZED STEEL PINS. K-FLEX USA "K-FLEX DUCT LINER GRAY" OR APPROVED EQUAL.
- C. INSTALLATION
 - 1. DUCTWORK
 - 1.1. PROVIDE 1" DUCT LINER ON ALL TRANSFER AIR DUCTWORK, AND RETURN AND SUPPLY DUCTWORK AS INDICATED ON THE PLANS. DUCTWORK DIMENSIONS INDICATED ARE NET INSIDER DIMENSIONS REQUIRED FOR AIRFLOW. INCREASE DUCTWORK TO ALLOW FOR LINER THICKNESS.
 - 1.2. PROVIDE 1" FIBERGLASS INSULATION ON ALL SUPPLY AND RETURN DUCTWORK.
 - 2. INSTALL ALL INSULATION MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ALL APPLICABLE BUILDING CODES AND INDUSTRY STANDARDS.

SECTION 23 05 93 – TESTING, ADJUSTING, AND BALANCING FOR HVAC

- A. SUBMITTALS: SUBMIT QUALIFICATIONS, NEBB CERTIFICATIONS OR 5 YEARS DOCUMENTED PROJECT EXPERIENCE OF SIMILAR OR GREATER MAGNITUDE, EQUIPMENT CALIBRATIONS, PRELIMINARY AND FINAL BALANCING REPORTS.
- B. MATERIALS:
 - 1. BALANCING INSTRUMENTS AS NECESSARY TO COMPLETE WORK TO MEASURE AT LEAST THE FOLLOWING: AIR VELOCITY, STATIC PRESSURE, RPM, TEMPERATURE, AND FLOW.
- C. EXECUTION:
 - 1. THE CONTRACTOR SHALL BALANCE AIR SYSTEMS ACCORDING TO NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) RECOMMENDED PROCEDURES AND CONTRACT DOCUMENTS, AND TO THE SATISFACTION OF THE OWNER.

SECTION 23 09 00 – INSTRUMENTATION AND CONTROL FOR HVAC

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- B. MATERIALS:
 - 1. THERMOSTATS:
 - 1.1. PROGRAMMABLE, DIGITAL – DIGITAL 24VAC, 7-DAY PROGRAMMING, DIGITAL DISPLAY, MENU-DRIVEN, PRECISE TEMPERATURE CONTROL (+/- 1°F), BATTERY BACK-UP, 40°F TO 85°F SET POINT ADJUSTMENT RANGE, HARDWIRED POWER.
 - 1.2. GUARDS – LOCKING, CLEAR ACRYLIC, COMPLETE WITH BASE PLATE, ALL GUARDS SHALL BE KEYPED ALIKE.
- C. INSTALLATION:
 - 1. ALL DEVICES SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURERS INSTRUCTIONS.
 - 2. ALL WIRING SHALL BE PER THE NEC. PROVIDE PROPER GROUNDING OF ALL CONTROL WIRING.
 - 3. ALL CONTROLLERS, TRANSMITTERS, SWITCHES, THERMOSTATS, GAUGES AND DEVICES WITH ADJUSTABLE SETPOINTS SHALL BE PERMANENTLY TAGGED WITH IDENTIFICATION COORDINATED WITH THE CONTROL DRAWINGS.

SECTION 23 31 00 – HVAC DUCTS AND CASINGS

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL
- B. MATERIALS:
 - 1. DUCTWORK:
 - 1.1. GALVANIZED STEEL – ASTM A653/A653M GALVANIZED SHEET, LOCK-FORMING QUALITY, ASTM A90/90M G90 ZINC COATING.
 - 1.2. ALUMINUM SHEET – ASTM B209 ALUMINUM SHEET, ALLOY 3003-H14. ALUMINUM CONNECTORS AND BAR STOCK: ALLOY 6061-T6 OR EQUIVALENT STRENGTH.
 - 1.3. FASTENERS – RIVETS, BOLTS, OR SHEET METAL SCREWS.
 - 2. SINGLE WALL, ROUND SPIRAL DUCT – UL 181, CLASS 1, ROUND SPIRAL LOCKSEAM, GALVANIZED STEEL. DUCT SIZE GAUGES PER SMACNA STANDARDS.
 - 3. INSTALLATION:
 - 1. LOW AND MEDIUM PRESSURE DUCTWORK – FABRICATE, INSTALL, AND SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS AND ASHRAE HANDBOOKS, EXCEPT AS INDICATED. SEAL ALL DUCT SEAMS AND JOINTS AIRTIGHT. USE TURNING VANES IN ALL SQUARE ELBOWS AND FLAT OVAL ELBOWS. INSTALL VOLUME DAMPERS AND EXTRACTORS WHERE SHOWN ON THE DRAWINGS. ALL SHEET METAL WORK TO BE CONSTRUCTED, INSTALLED, TESTED AND BALANCED IN ACCORDANCE WITH SMACNA STANDARDS. SUPPORT LOW AND MEDIUM PRESSURE DUCTWORK PER SMACNA GUIDELINES.
 - 2. PROVIDE SEISMIC SUPPORT AND RESTRAINT FOR ALL DUCTWORK AND EQUIPMENT IN ACCORDANCE WITH THE IBC.

SECTION 23 33 00 – AIR DUCT ACCESSORIES

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL
- B. MATERIALS:
 - 1. DAMPERS:
 - 1.1. MANUAL BALANCING – DIFFERENTIAL PRESSURE RATING OF 1" W.G., VELOCITY RATING OF 2,000 FPM. DAMPER FRAME AND SLEEVE SHALL BE OF ONE-PIECE DESIGN, 20 GAUGE GALVANIZED STEEL, SINGLE BLADE. GREENHECK "MBDR-50" OR APPROVED EQUAL.
 - 2. TURNING VANES – AIR FOIL, DOUBLE WIDTH, GALVANIZED, 2" INSIDE RADIUS.
- C. INSTALLATION:
 - 1. INSTALL COMPONENTS IN ACCORDANCE WITH NFPA 90A AND SMACNA DUCT CONSTRUCTION STANDARDS.
 - 2. INSTALL 12"x12" ACCESS DOORS DOWNSTREAM OF AUTOMATIC CONTROL DAMPERS, ADJACENT TO FIRE, SMOKE, COMBINATION FIRE-SMOKE DAMPERS FOR RESET OF FUSIBLE LINKS, AND DOWNSTREAM OF EACH VAV BOX. ACCESS DOORS SHALL BE INSTALLED UPSTREAM OF EACH HEATING COIL.
 - 3. INSTALL TEMPORARY DUCT TEST HOLES AS REQUIRED FOR TESTING AND BALANCING. CAP ALL HOLES WITH NEOPRENE OR THREADED PLUGS.

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MECHANICAL SPECIFICATIONS

AUTHOR:SR
REVISION:
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CHECKED: DRM

M0.03

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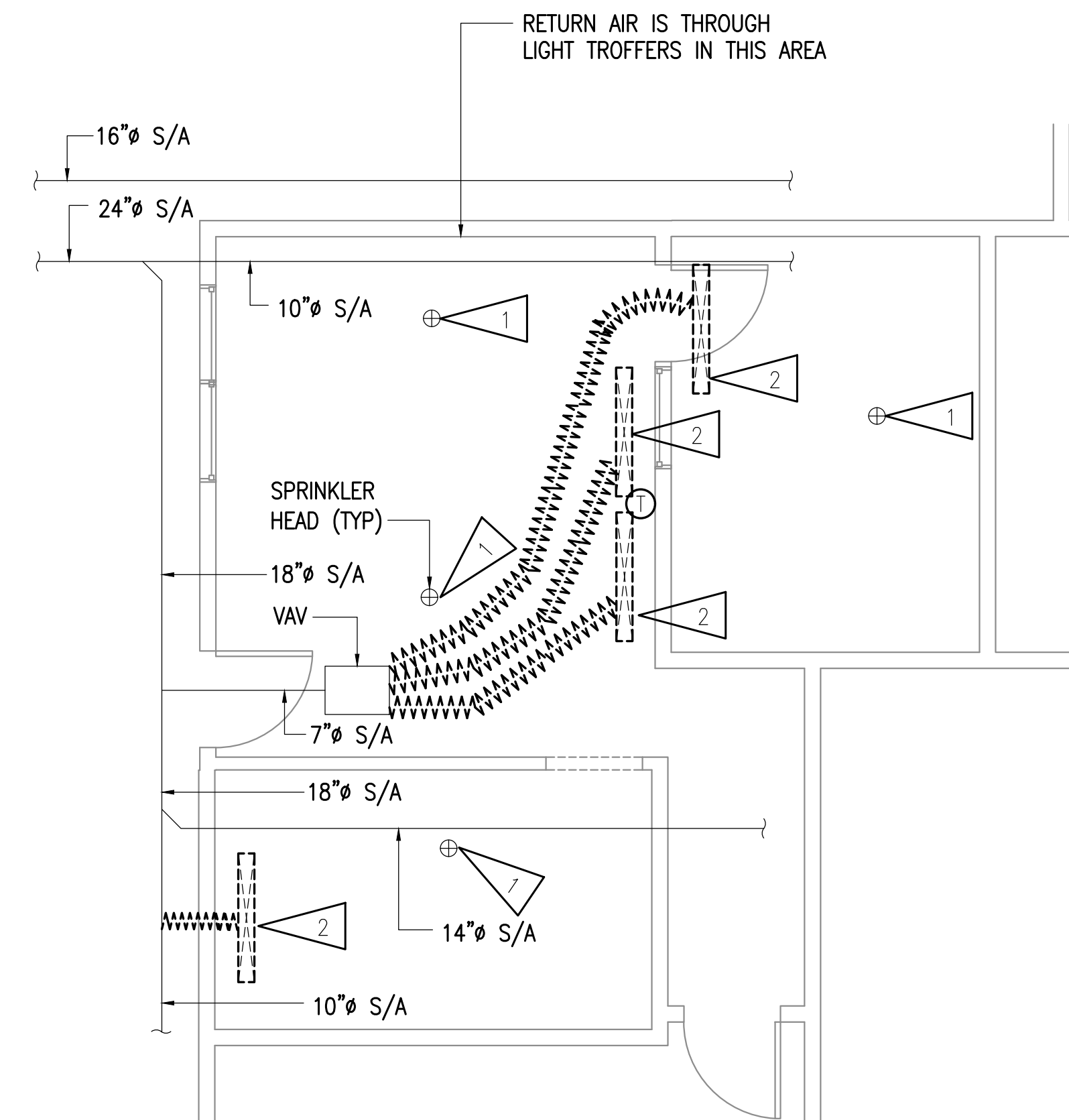
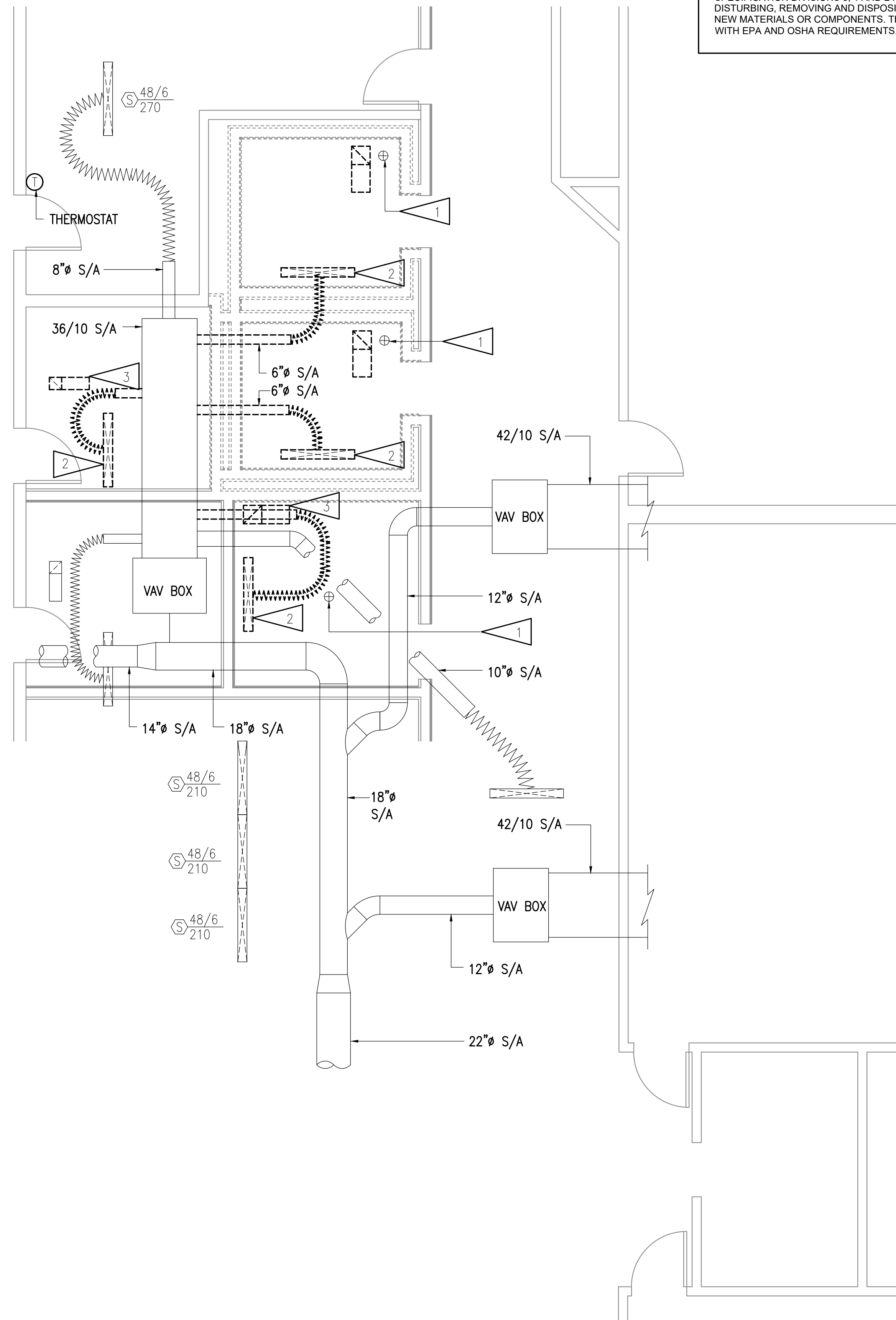
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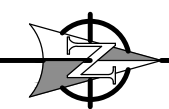
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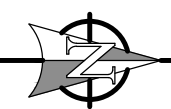
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1 ROOM 27 DEMOLITION
1/4" = 1'-0"



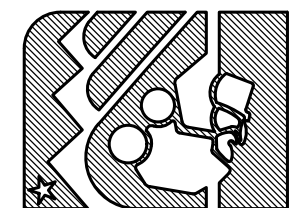
2 ROOM 75 DEMOLITION
1/4" = 1'-0"



ROOMS 27 AND 75 DEMO PLAN

AUTHOR: SR
REVISION:
ISSUE DATE: 11/21/2023
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CHECKED: DRM



**ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY
PROJECT**

PRICING SET

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PROJECT NO: 19-0028.03

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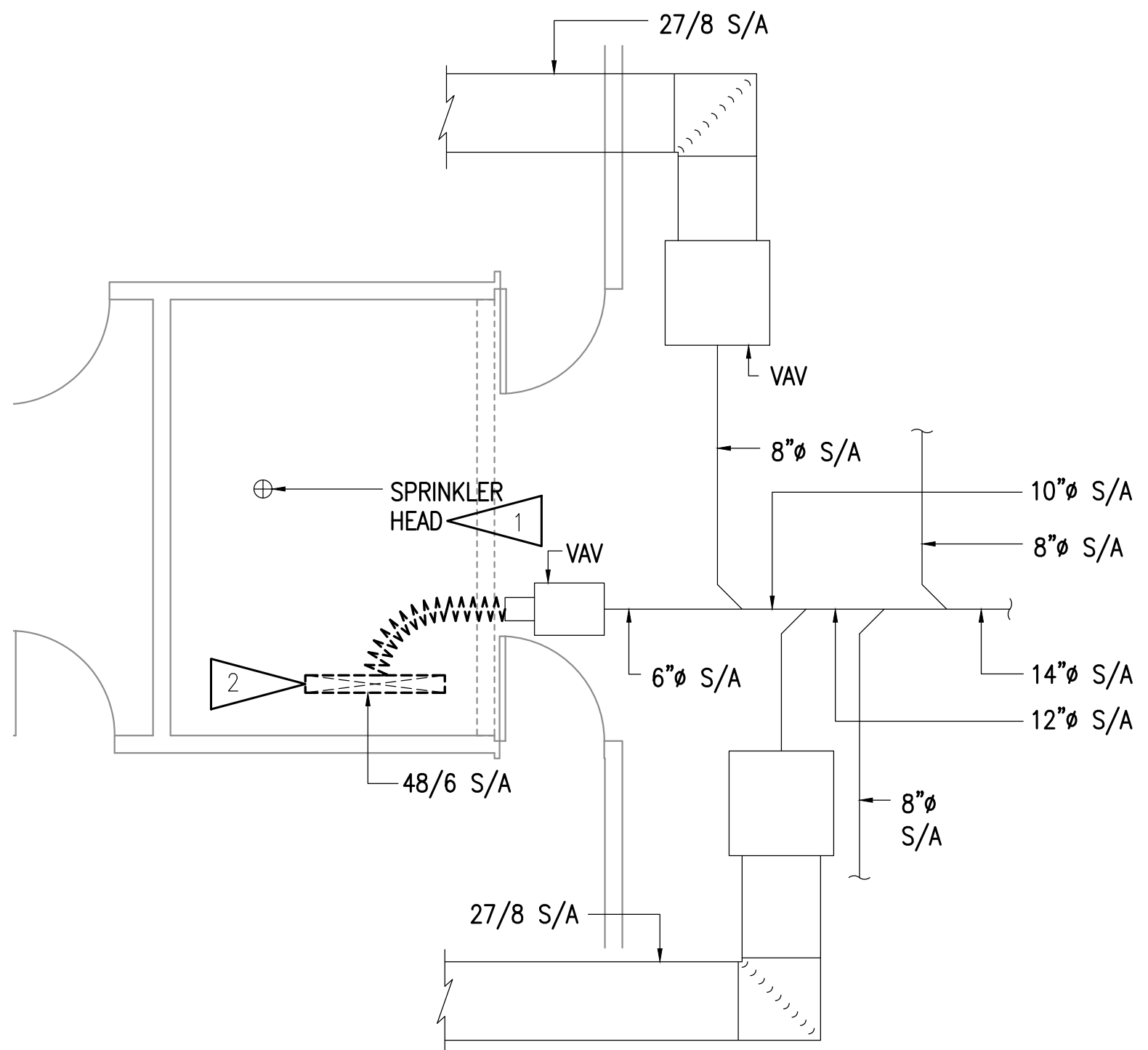
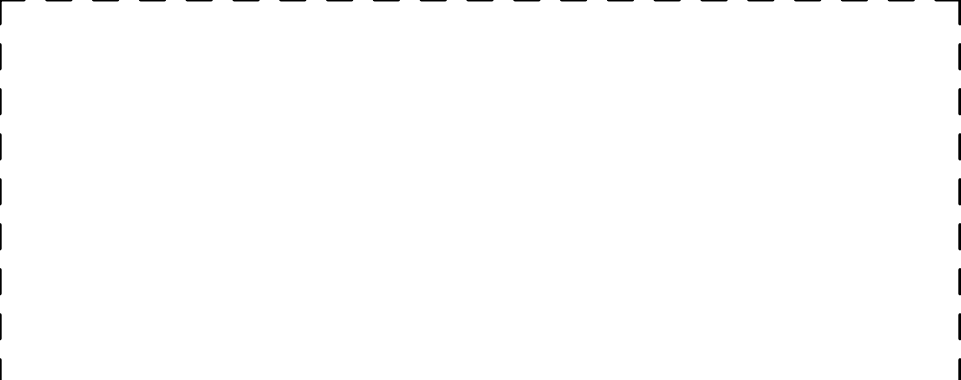
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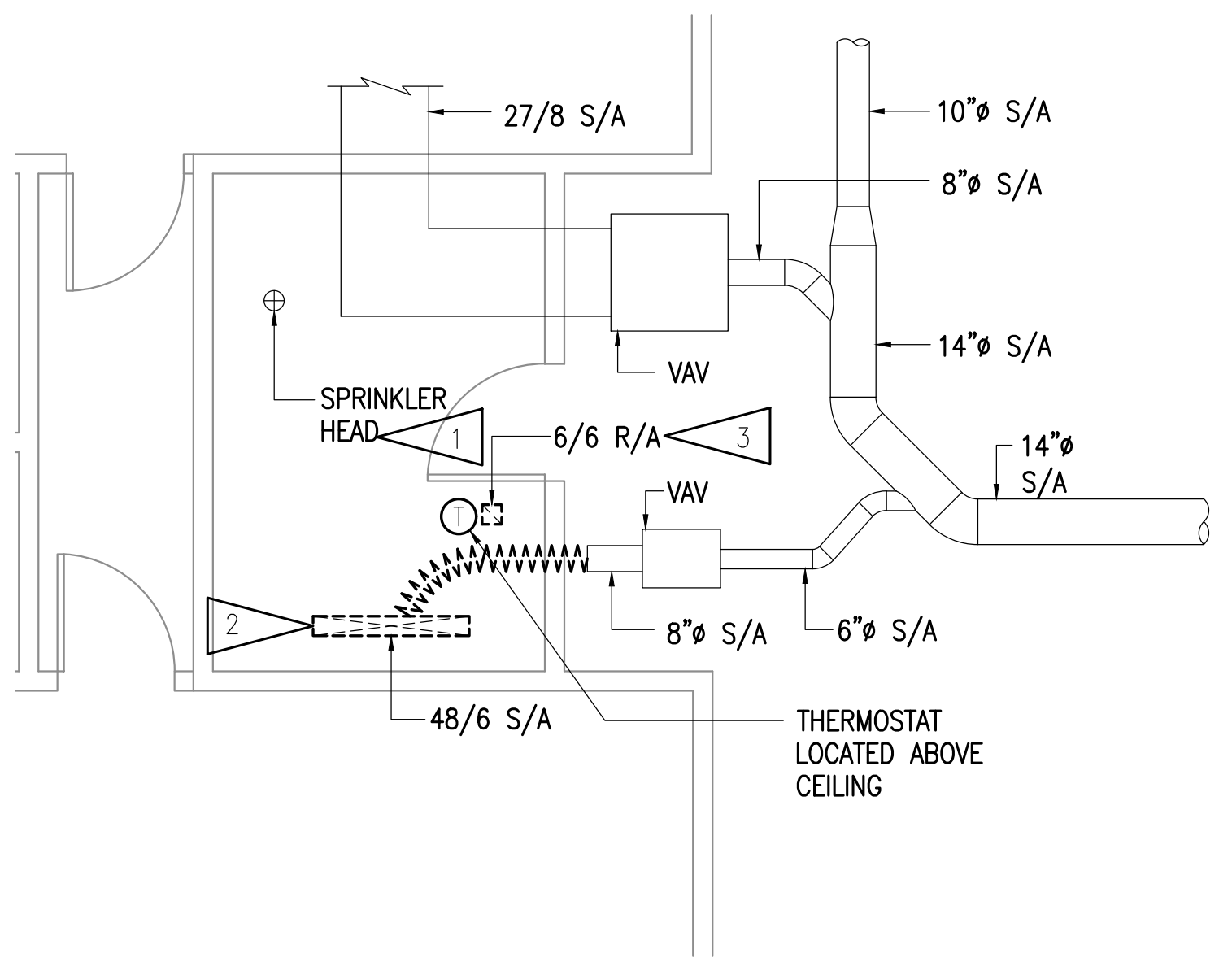
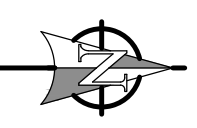
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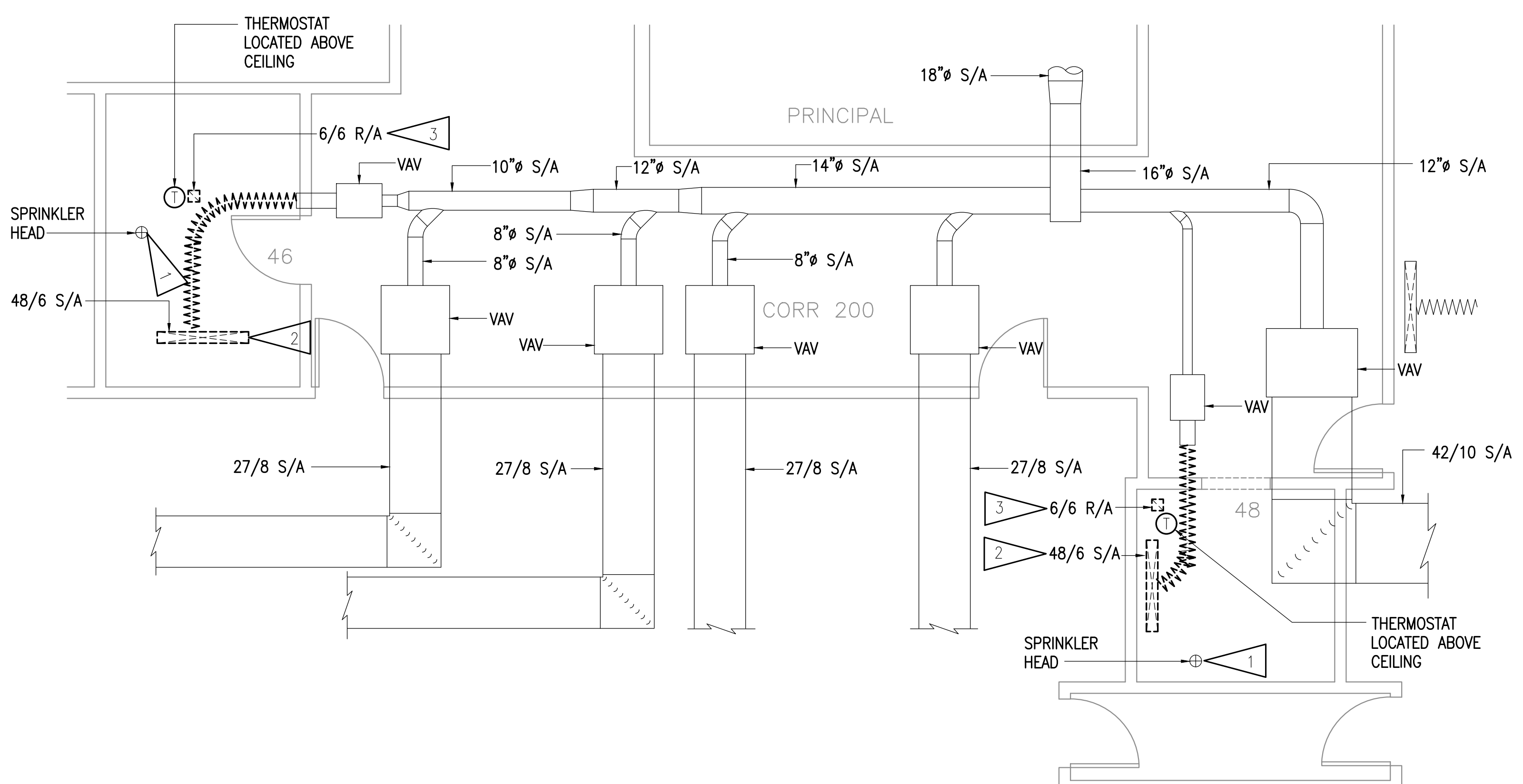
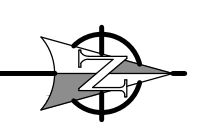
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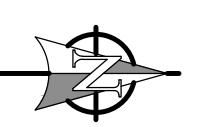
1 ROOM 42 DEMOLITION
1/16" = 1'-0"



2 ROOM 31 DEMOLITION
1/16" = 1'-0"



3 ROOM 46/48 DEMOLITION
1/16" = 1'-0"

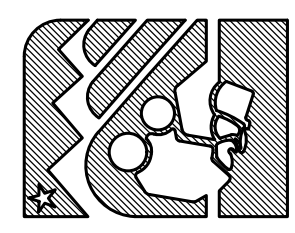


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ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY PROJECT
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ROOMS 42, 31 & 46/48 DEMO PLAN

AUTHOR: SR
REVISION:
ISSUE DATE: 11/21/2023
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M1.02

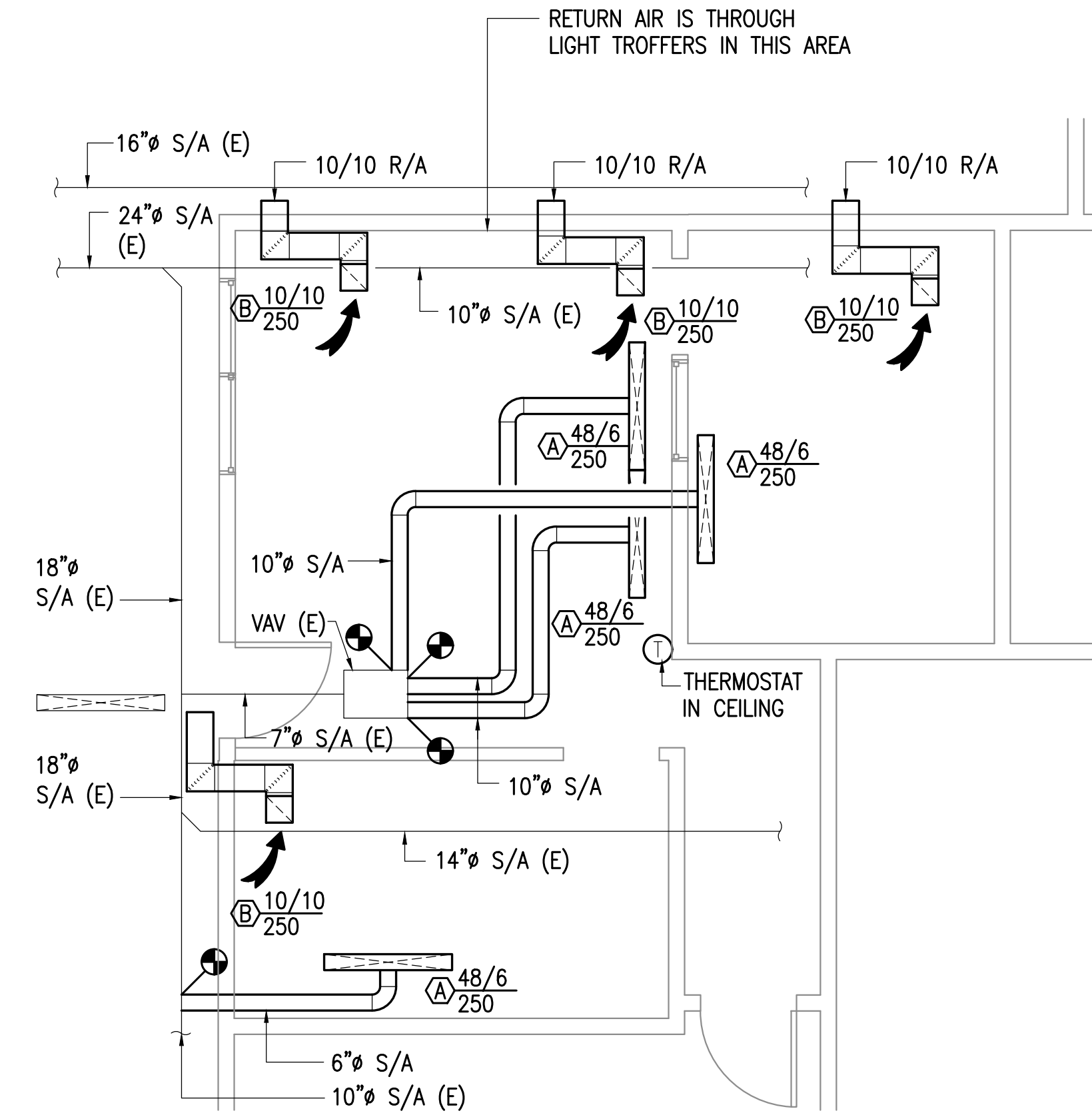
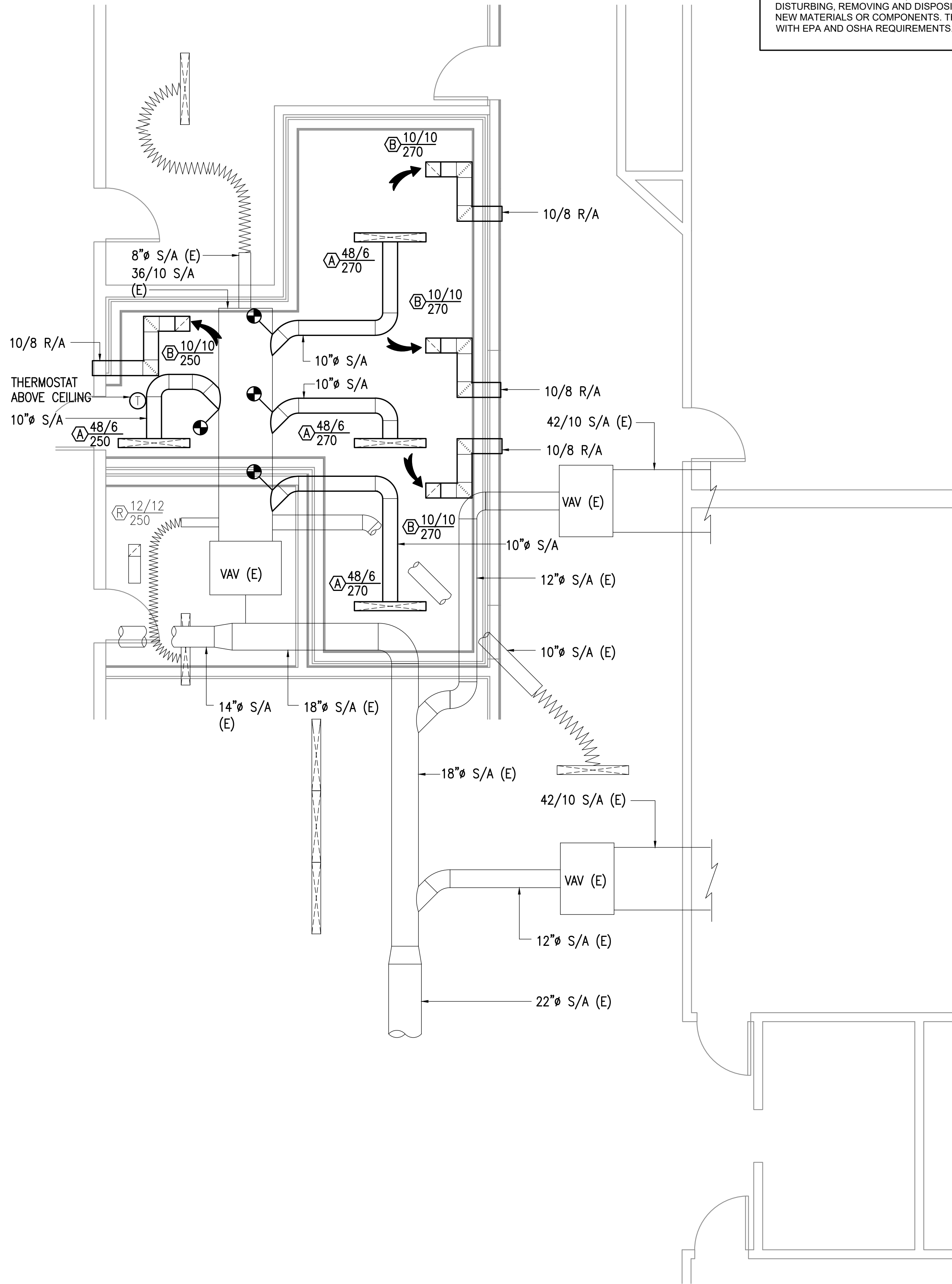
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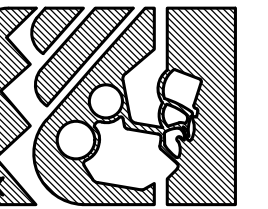
2 ROOM 75 REMODEL
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ROOMS 27 AND 75 REMODEL PLAN

AUTHOR: SR
REVISION:
ISSUE DATE: 11/21/2023
OWNER PROJECT # M3136

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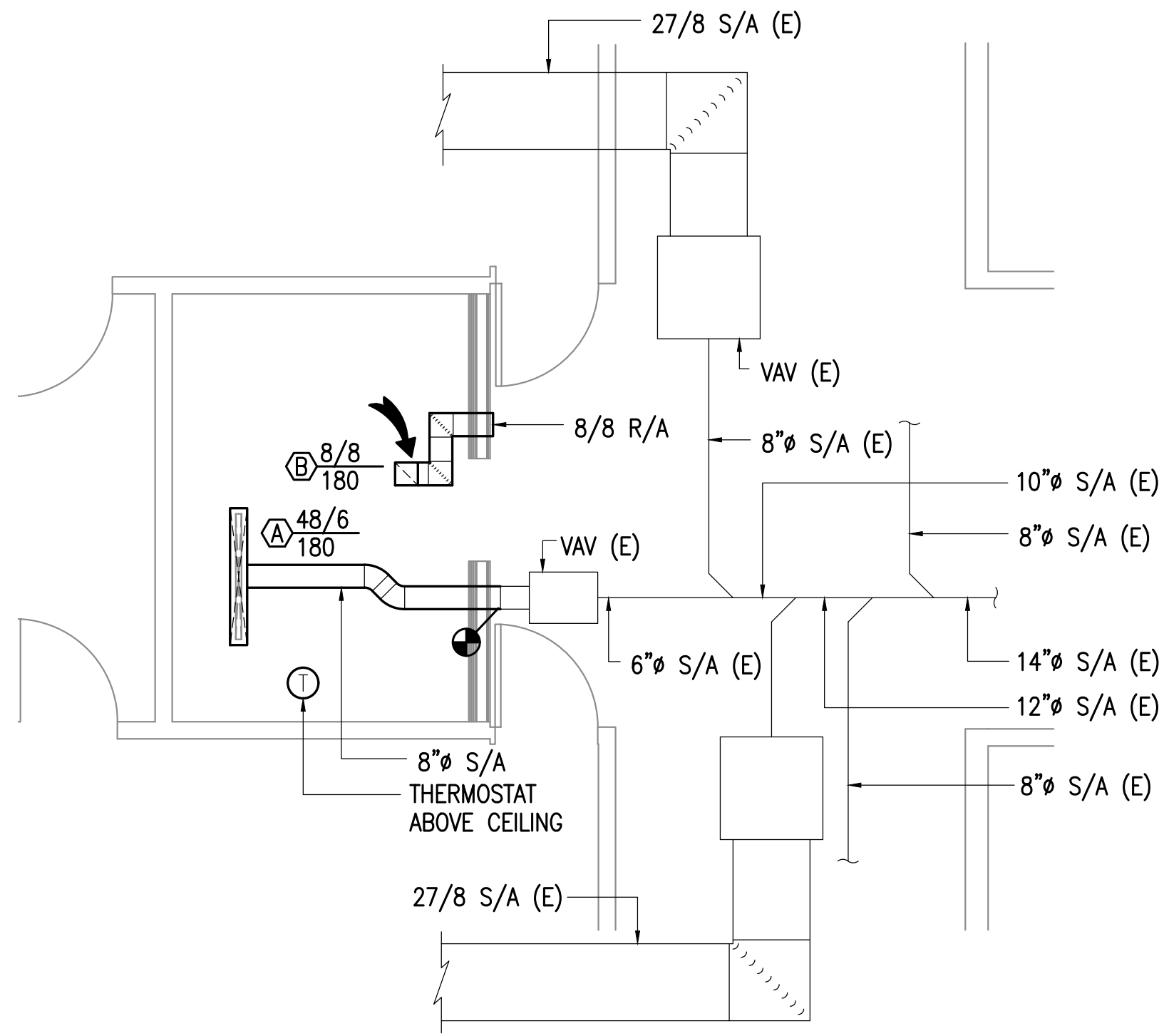
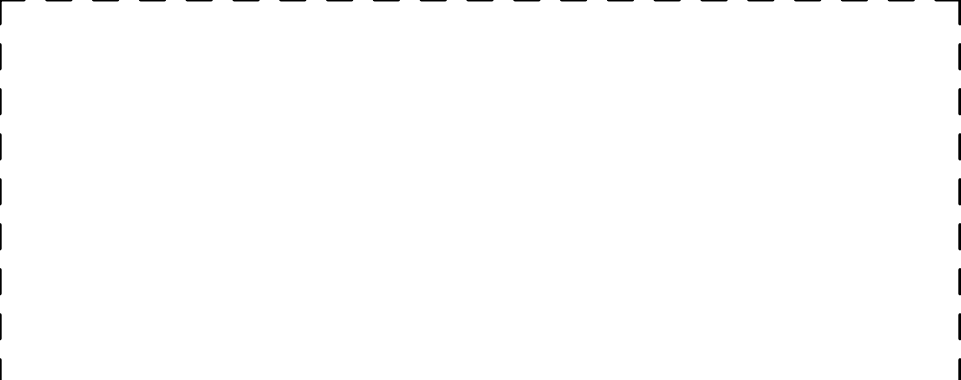
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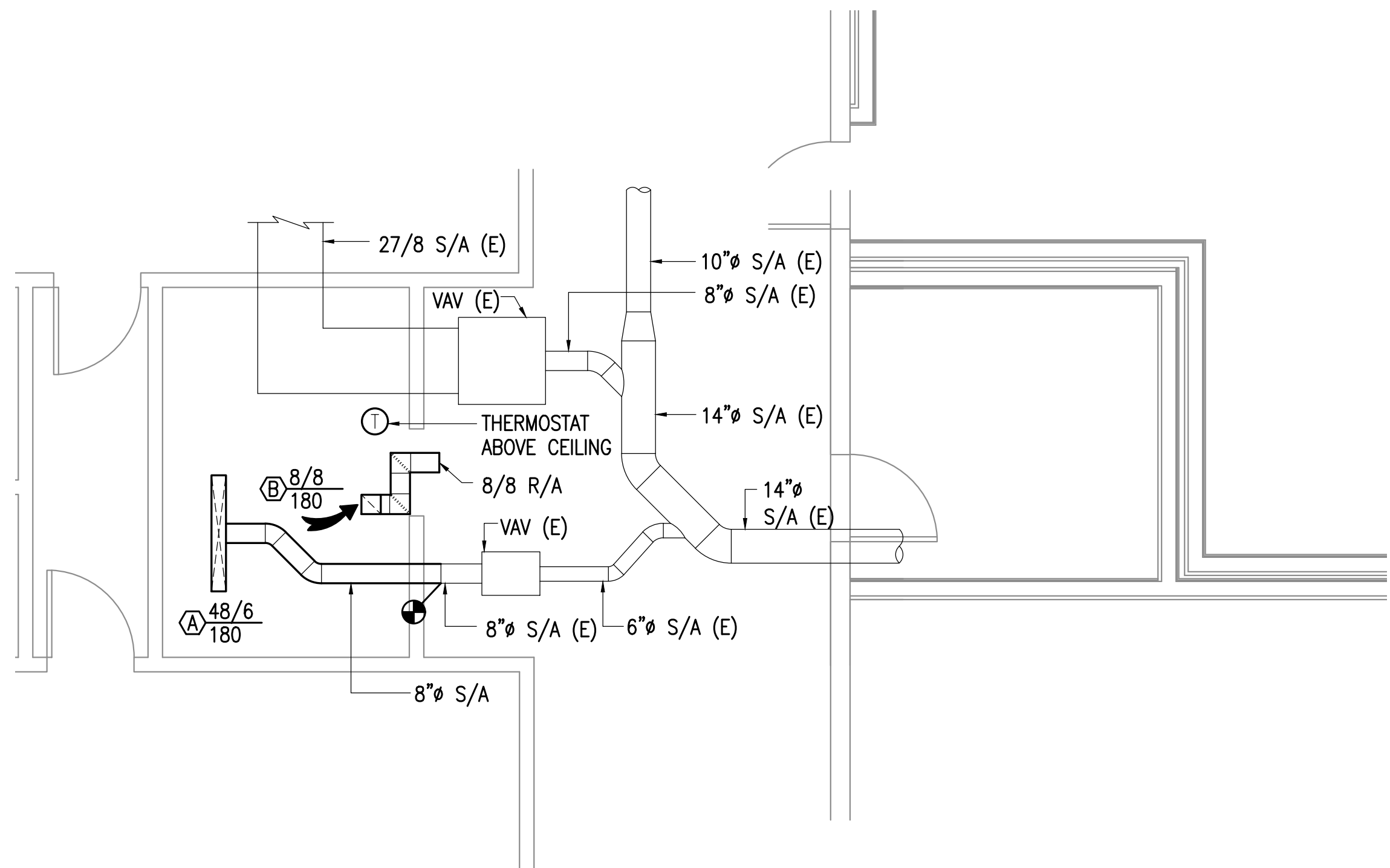
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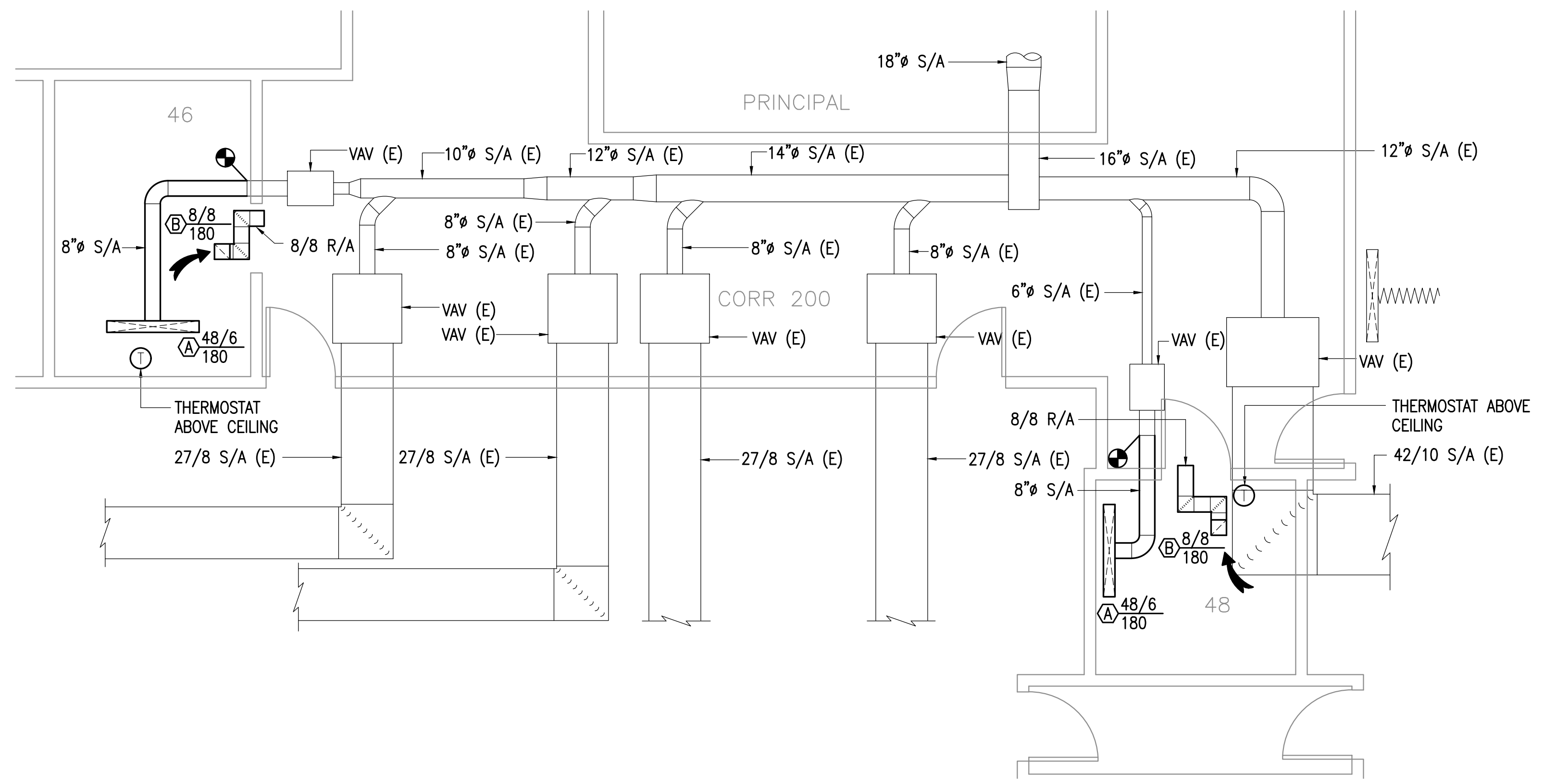
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2 ROOM 31 REMODEL
1/16" = 1'-0"



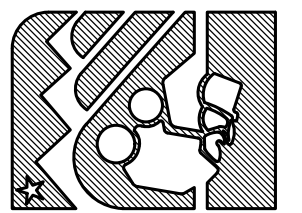
3 ROOM 46/48 REMODEL
1/16" = 1'-0"

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R S A Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
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PROJECT NO. 19-0028.03

ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY
PROJECT
PRICING SET



ROOMS 42, 31 AND 46/48 REMODEL PLAN

AUTHOR: SR
REVISION:
ISSUE DATE: 11/21/2023
OWNER PROJECT # M3136

M2.02

ELECTRICAL LEGEND

- LUMINAIRE - TYPE AS NOTED ON PLAN - LINEWORK MAY VARY
- LUMINAIRE - FILL INDICATES EMERGENCY (MAY VARY) - TYPE ENDS WITH 'E'
- SWITCH - SINGLE POLE, SINGLE THROW, UON
- SWITCH - SEE SWITCH LEGEND FOR TYPE
- POWER PANELBOARD
- JUNCTION BOX OR EQUIPMENT CONNECTION (CEILING; WALL; FLOOR)
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- TELECOMMUNICATION OUTLET
- SMOKE DETECTOR - PHOTO ELECTRIC
- FIRE ALARM CONTROLLED MAGNETIC DOOR HOLDER / RELEASE
- FIRE ALARM COMBINATION HORN/STROBE (WALL; CEILING)
- SPEAKER (CEILING; WALL; FLOOR)
- SECURITY CAMERA (FIXED POSITION)

SWITCH LEGEND
 3 (THREE WAY); 4 (FOUR WAY); B (THREE WAY DIMMER); C (TIMER); D (DIMMER);
 K (KEYED); L (LOW VOLTAGE); P (PILOT LIGHT); S (VARIABLE SPEED CONTROL);
 T (INTEGRAL MOTOR OVERLOAD)
 -WALL SENSOR: 2 (DUAL CIRCUIT OCCUPANCY); D (DIMMING VACANCY SENSOR);
 O (OCCUPANCY SENSOR); V (VACANCY SENSOR)

- DENOTES AVAILABLE FAULT CURRENT
- LINETYPE/LINEWEIGHT DENOTING FUTURE WORK
- LINETYPE/LINEWEIGHT DENOTING EXISTING WORK TO REMAIN
- LINETYPE/LINEWEIGHT DENOTING NEW WORK
- LINETYPE/LINEWEIGHT DENOTING DEMO WORK
- LINETYPE/LINEWEIGHT DENOTING BELOW GRADE CONDUIT
- LINETYPE/LINEWEIGHT DENOTING CONTROL WIRING

EQUIPMENT TAG LEGEND

- LUMINAIRES**
 - LUMINAIRE TYPE (UNDERLINED) (#) DENOTES TYPICAL
 - CIRCUIT AND SWITCHLEG PANEL
- CONTROL SWITCHES**
 - LOWER CASE LETTER DENOTES SWITCH LEG FOR CORRESPONDING LUMINAIRE CONTROL
 - UPPERCASE LETTER OR NUMBER DENOTES SWITCH CONFIGURATION
- EQUIPMENT CONNECTIONS**
 - EQUIPMENT ID (UNDERLINED)
 - TYPICAL EQUIPMENT
 - CIRCUIT NUMBER(S) PANEL
- RECEPTACLES**
 - MOUNTING HEIGHT (SEE NOTE 1) PANEL
 - CIRCUIT NUMBER(S)
 - NEMA CONFIGURATION FOR SPECIAL RECEPTACLES
- TRIANGLE. SEE NOTE 1.

NOTE 1: DIMENSIONS (WHEN GIVEN ARE AFF). TRIANGLE DENOTES 46" AFF IN OPEN AREAS OR AT CASEWORK LOCATIONS TO BE 4" ABOVE COUNTERTOP (BACKSPLASH WHEN PRESENT). COORDINATE WITH ARCHITECTURE. THIS APPLIES TO ALL ELECTRICAL DEVICES.

ABBREVIATIONS	
INDUSTRY STANDARD ABBREVIATIONS SHALL ALSO BE APPLICABLE.	
Key Name	FullWord
(#)	DENOTES TYPICAL IN LIGHT FIXTURE TYPES
(D)	DEMOLISH
(E)	EXISTING
(R)	RELOCATED
AER	ARC ENERGY REDUCTION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
ASD	ANCHORAGE SCHOOL DISTRICT
BJ	BONDING JUMPER
CB	CIRCUIT BREAKER
CEA	CHUGACH ELECTRIC ASSOCIATION
CO, C.O.	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
EGC	EQUIPMENT GROUNDING CONDUCTOR
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE ILLUMINATION
FHP	FRACTIONAL HORSEPOWER
FLA	FULL LOAD AMPS
FSD	FIRE SMOKE DAMPER
G, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GEC	GROUNDING ELECTRODE CONDUCTOR
GES	GROUNDING ELECTRODE SYSTEM
GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
MCA	MINIMUM CIRCUIT AMPACITY
MFS	MAXIMUM FUSE SIZE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT (NOT IN SCOPE)
NO	NORMALLY OPEN
P	POLES
PC	PHOTO CELL
PH, Ø	PHASE
PNL	PANEL
RIB	RELAY IN A BOX (MOTOR RATED)
SCA	SHORT CIRCUIT AMPS
SCCR	SHORT CIRCUIT CURRENT RATING
SE	SERVICE ENTRANCE RATED
SSBJ	SUPPLY SIDE BONDING JUMPER
SSEBJ	SUPPLY SIDE EQUIPMENT BONDING JUMPER
TGB	TELECOMMUNICATION GROUNDING BUSBAR
TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS OR WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER

MOUNTING HEIGHT SCHEDULE	
EQUIPMENT (TO CENTER UON)	HEIGHT (UON)
CONTACTORS, MOTOR STARTERS, DISCONNECT (TOP)	66"
INDICATING DEVICES (BOTTOM)	80"
PANELBOARDS - POWER; SPECIAL SYSTEMS (TOP)	72"
PULL STATIONS, PUSH BUTTONS	46"
REC IN FINISHED AREAS	18"
TELECOMMUNICATION OUTLETS	18"
WALL MOUNTED SWITCHES	46"

LUMINAIRE SCHEDULE						
NOTES						
(KEY)	'(x)' DENOTES A GENERAL, NON-REFERENCED, NOTE. NUMBERED NOTES ARE REFERENCED IN THE SCHEDULE.					
(A)	CATALOG NUMBERS ARE FOR GENERAL REFERENCE AND ARE NOT INCLUSIVE OF ALL OPTIONS/REQUIREMENTS DENOTED ON PLANS AND SPECIFICATIONS. ASTERISK (*) DENOTES COORDINATION ITEMS.					
(B)	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND PROVIDE MOUNTING HARDWARE/FLANGES ETC FOR ALL LUMINAIRES FOR CEILING TYPES SHOWN.					
(C)	PROVIDE UNIVERSAL OR MULTI-VOLTAGE VOLTAGE DRIVERS WHEN AVAILABLE. COORDINATE EXACT VOLTAGE/PHASE WITH CONNECTED CIRCUITS IN ALL OTHER SITUATIONS.					
(D)	LIGHT SOURCE COLOR TEMPERATURE, UNLESS OTHERWISE NOTED: 4000K (SELECT NEAREST AVAILABLE COLOR TEMP FOR EACH LUMINAIRE TYPE). LIGHT SOURCE CRI TO BE 80 MIN, UON.					
1	NOT USED.					
TYPE	DESCRIPTION	WATTS	LUMENS	MOUNTING	MANUFACTURER	MODEL
FB4	2' X 4' TUNABLE WHITE LED VOLUMETRIC TROFFER W/ INTEGRAL NLIGHT CONTROLS, 0-10V DIMMING DRIVER & DRYWALL GRID ADAPTER	32 W	4000 LM LED	CEILING RECESSED	LITHONIA	2BLT4-TUWH-RHYR-40L-ADSM-MVOLT-NLT-DGA24
FB4E	2' X 4' TUNABLE WHITE LED VOLUMETRIC TROFFER W/ INTEGRAL NLIGHT CONTROLS, 0-10V DIMMING DRIVER, DRYWALL GRID ADAPTER & EMERGENCY BATTERY UNIT	32 W	4000 LM LED	CEILING RECESSED	LITHONIA	2BLT4-TUWH-RHYR-40L-ADSM-MVOLT-NLT-EL14L-DGA24
GB4	2' X 4' TUNABLE WHITE LED VOLUMETRIC TROFFER W/ INTEGRAL NLIGHT CONTROLS & 0-10V DIMMING DRIVER	32 W	4000 LM LED	CEILING GRID	LITHONIA	2BLT4-TUWH-RHYR-40L-ADSM-MVOLT-NLT

INTERIOR LIGHTING CALCULATIONS							
ENERGY CODE: IECC 2018				(BLDG TYPE: SCHOOL/ UNIVERSITY)			
RM NUM	RM NAME	AREA	SPACE TYPE	AVERAGE ESTIMATED FC	ALLOWANCES		DESIGN TOTAL CONNECTED POWER (W)
					LPD (W/FT^2)	LPA (W)	
27	MSDR	366.08 SF	<Building>	29 fc	0.81 W/ft²	297 W	125 W
31	CHILL	115.46 SF	<Building>	39 fc	0.81 W/ft²	94 W	63 W
37	CHILL	115.46 SF	<Building>	39 fc	0.81 W/ft²	94 W	63 W
42	CHILL	117.46 SF	<Building>	38 fc	0.81 W/ft²	95 W	63 W
48	STORAGE	78.83 SF	<Building>	26 fc	0.81 W/ft²	64 W	31 W
75A	CHILL	133.28 SF	<Building>	35 fc	0.81 W/ft²	108 W	63 W
75B	CHILL	116.79 SF	<Building>	39 fc	0.81 W/ft²	95 W	63 W
TOTALS:		1043.36 SF				845 W	470 W

ELECTRICAL SHEET LIST	
NUM	SHEET TITLE
E0.1	ELECTRICAL LEGEND
E0.2	ELECTRICAL SPECIFICATIONS
E1.1	OVERALL ELECTRICAL PLAN
E2.1	ELECTRICAL PLANS - DEMOLITION WORK
E2.2	ELECTRICAL PLANS - DEMOLITION WORK
E3.1	ELECTRICAL PLANS - NEW WORK
E3.2	ELECTRICAL PLANS - NEW WORK
E4.1	ELECTRICAL DIAGRAMS & DETAILS
TOTAL SHEETS: 8	

REVISIONS		
REV	DESCRIPTION	DATE

ANCHORAGE SCHOOL DISTRICT
 WHALEY ELEMENTARY MSDR PROJECT

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 PROJECT NO.19-0028.03

ELECTRICAL LEGEND

AUTHOR: BLS
 REVISION:
 ISSUE DATE: 11/21/2023
 OWNER PROJECT # 19-0028.03

CHECKED: EDC

PRELIMINARY NOT FOR CONSTRUCTION

PRICING SET

E0.1

FULL SIZE PRINTED ON 22 x 34

ELECTRICAL SPECIFICATIONS

"X" = PROVIDE SUBMITTAL

26 00 00 - GENERAL REQUIREMENTS: ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (NEC), STATE, MUNICIPAL, FEDERAL LAWS, AND AMENDMENTS GOVERNING THE PROJECT. ALL WORK SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ADMINISTRATOR JOURNEYMAN ELECTRICIAN.

ALL ELECTRICAL EQUIPMENT SHALL BE NEW COMMERCIAL GRADE AND INCLUDE THE SEAL OF A NATIONALLY RECOGNIZED TESTING LABORATORY FOR THE PURPOSE IT IS INSTALLED AS A COMPLETE ASSEMBLY. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR ANY SUBSTITUTION OR DEVIATION FROM THE DESIGN IN WRITING TO THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, SCHEDULE INSPECTIONS, AND PAY ALL ASSOCIATED FEES UNLESS DIRECTED OTHERWISE.

WORKING CLEARANCES: THE CONTRACTOR IS REQUIRED TO COORDINATE THE MINIMUM WORKING CLEARANCES AND DEDICATED EQUIPMENT REQUIRED BY THE NEC. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH ALL SUBCONTRACTORS SO THAT ENCROACHMENTS INTO THE RESTRICTED SPACE ARE PREVENTED.

PROVIDE ALL CUTTING, CORING, AND PATCHING REQUIRED FOR ELECTRICAL INSTALLATION. REGISTERED STRUCTURAL ENGINEER APPROVAL IS REQUIRED WHEN CORING OR CUTTING OF STRUCTURAL MEMBERS IS REQUIRED.

PLENUM RATING: ALL CABLING, RACEWAYS, CABLE TIES AND COMPONENTS LOCATED IN CEILING SPACES THAT ARE PLENUMS SHALL BE PLENUM RATED.

COORDINATE WITH ARCHITECTURAL PLANS, SHOP DRAWINGS, AND OTHER TRADES PRIOR ROUGH-IN FOR FOR DEVICE AND EQUIPMENT LOCATIONS AND REQUIREMENTS.

BARRIER RATINGS: ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED BARRIERS SHALL BE SEALED IN ACCORDANCE WITH NEC ARTICLE 300.21. PROVIDE FIRE PUTTY OR SHEET ROCK CONFIGURED FOR UL FIRE RATING WRAPPING ALL BOXES AND PANELS MATCHING WALL AND CEILING FIRE RATING. CONTRACTOR TO PROVIDE SUBMITTAL OF ALL FIRE RATING SYSTEMS TO BE USED. VAPOR BARRIERS: SEAL ALL VAPOR BARRIER PENETRATIONS TO MAINTAIN SYSTEM INTEGRITY. RACEWAYS EXPOSED TO DIFFERENT TEMPERATURES SHALL BE FILLED WITH AN APPROVED MATERIAL IN ACCORDANCE WITH NEC TO STOP AIR FLOW..

ACCESS PANELS: PROVIDE ACCESS PANELS FOR ALL LOCATIONS NECESSARY TO ACCESS ELECTRICAL EQUIPMENT AND JUNCTION BOXES. ACCESS PANELS SHALL BE FIRE RATED EQUAL TO OR EXCEEDING THE ADJACENT WALL OR CEILING CONSTRUCTION AND PAINTED TO MATCH.

REMODEL: TRACE OUT EXISTING CIRCUIT CONFIGURATIONS IMPACTED BY REMODEL REQUIREMENTS. PROVIDE CIRCUIT CONTINUITY FOR ALL CIRCUITS THAT ARE MODIFIED DURING CONSTRUCTION AND PROVIDE TEMPORARY POWER AND LIGHTING FOR ALL AREAS OF THE BUILDING DURING THE RENOVATION WHERE REQUIRED. DEMOLISH ALL ABANDONED CONTROL, SIGNAL AND POWER WIRING BACK TO SOURCE. UPDATE ALL PANEL SCHEDULES TO REFLECT CURRENT CIRCUIT DESCRIPTIONS. REMOVE, RE-INSTALL, CLEAN AND TEST EXISTING EQUIPMENT, DEVICES, FIXTURES ETC WHERE WALLS OR CEILINGS ARE MODIFIED REQUIRING SYSTEM MODIFICATION. EXISTING/REMODEL WIRING THAT CANNOT BE CONCEALED DUE TO EXISTING SOLID CORE OR CONCRETE CONSTRUCTION SHALL BE INSTALLED USING WIREMOLD SURFACE MOUNTED RACEWAY AND BOXES IN FINISHED AREAS AND EXPOSED CONDUIT IN NON-FINISHED AREAS. CIRCUITS POWERING EMERGENCY LIGHTING MUST BE RECONFIGURED TO NOT BE PART OF A MULTI-WIRE (SHARED NEUTRAL) CIRCUIT.

26 01 10 - SUBMITTALS: PROVIDE MATERIAL AND EQUIPMENT SUBMITTAL FOR EACH SPECIFICATION SECTION DENOTED AS REQUIRED AT MINIMUM. SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY IN PDF FORMAT (UNLESS HARD COPY IS REQUIRED BY OTHER CONTRACT APPLYING TO THE ENTIRE PROJECT). SUBMIT ALL REQUIRED SECTIONS IN A SINGLE SUBMITTAL OR BROKEN INTO NO MORE THAN THE FOLLOWING SEPARATE SECTIONS: "LIGHTING", "EQUIPMENT", "WIRING/DEVICES", AND "SPECIAL SYSTEMS". ORGANIZE SUBMITTAL AND/OR EACH SECTION BY SPECIFICATION NUMBER FOLLOWED BY ANY MAJOR EQUIPMENT REFERENCE ON THE DRAWINGS WITH ALL OPTIONS AND SELECTIONS HIGHLIGHTED TO DENOTE THE SPECIFIC EQUIPMENT PROPOSED. SUBMITTAL REVIEW IS FOR GENERAL DESIGN AND CONFIGURATION AND DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE OPERATIONAL SYSTEM COMPLIANT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

26 01 21 - RECORD DRAWINGS: MARK UP A SET OF DRAWINGS (REDLINES) SHOWING ALL ELECTRICAL WORK. SHOW DIAGRAMMATIC ROUTING MODIFICATIONS, SIZING, AND CIRCUIT REVISIONS TO THE CONTRACT PLANS. RECORD DRAWINGS SHALL BE KEPT ON SITE AVAILABLE FOR REVIEW DURING THE ENTIRE CONSTRUCTION PERIOD. SUBMIT FINAL REDLINE SET FOR APPROVAL PRIOR TO FINAL INSPECTION.

26 01 22 - WARRANTY: THE CONTRACTOR SHALL GUARANTEE ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM SUBSTANTIAL COMPLETION. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED DURING THE GUARANTEE PERIOD AT NO ADDITIONAL COST TO THE OWNER.

26 05 15 - POWER AND LIGHTING CONDUCTORS: STRANDED COPPER ROUTED IN CONDUIT UNLESS NOTED OTHERWISE. INSULATION TO BE THHN-2 90 DEGREE C FOR INDOOR APPLICATIONS AND XHHW-2 90 DEGREE C FOR OUTDOOR LOCATIONS, IN UNHEATED SPACES, OR INSTALLED WHILE THE AMBIENT TEMPERATURE IS LESS THAN -7C (20F). ALL CONDUCTORS SHALL BE INSTALLED IN ACCORDANCE WITH NEC REQUIREMENTS FOR AMBIENT TEMPERATURE DERATING, CONDUIT FILL DERATING, AND BOX FILL. PROVIDE UNSHARED DEDICATED NEUTRAL FOR EACH CIRCUIT. BRANCH CIRCUIT WIRING MAY BE INSTALLED IN CABLES WHERE ROUTED CONCEALED AND SUPPORTED BY NEC REQUIREMENTS AND TYPE TYPE W OR EQUAL CORDS WHERE INSTALLED IN ACCORDANCE WITH THE NEC REQUIREMENTS SIZED AS DENOTED IN THE NEC TABLES 400.5(A)(2) AND 400.5(A)(3).

208V/120V CONDUCTORS: COLOR CODE CONDUCTORS BLACK, RED, BLUE, WHITE, AND GREEN. MINIMUM SIZE CONDUCTORS FOR 15 AND 20 AMP BRANCH CIRCUITS MEASURED FROM THE PANELBOARD TO THE FURTHEST DEVICE ON THE CIRCUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS: 12 AWG UP TO 75 FT, 10 AWG 75 FT TO 140 FT, GREATER THAN 140 FT SIZE CONDUCTORS TO LIMIT VOLTAGE DROP TO 5% OR LESS.

26 05 19 - MC CABLES: METALCLAD (MC) CABLE WITH STEEL OUTER SHEATH. ALLOWED USES DRY WHERE ROUTED CONCEALED AND PROTECTED.

26 05 22 - SIGNAL AND CONTROL: CONDUCTORS TO BE CABLE OR CONDUCTORS IN CONDUIT OF THE TYPE AND CONFIGURATION AS MANUFACTURER RECOMMENDATIONS FOR EACH SYSTEM. CONDUCTORS/CABLES TO BE INSTALLED IN RACEWAY, CABLE TRAYS, OR CAT 6 RATED J-HOOKS SPACED NO MORE THAN 4 FT APART. WHEN ROUTED IN NON-ACCESSIBLE LOCATIONS, RETURN AIR CEILING OR FLOOR PLENUM, CABLES MUST BE CMP PLENUM RATED OR IN CONDUIT. DO NOT INSTALL WHEN AMBIENT TEMPERATURES ARE LESS THAN -7C (20F). CLASS 1: WHERE SYSTEM POWER SUPPLY IS NOT MARKED AS CLASS 2, PROVIDE ALL CONDUCTORS IN RACEWAY OR OTHER CLASS 1 RATED CABLE. CLASS 2: CABLES CAN BE IN CONDUIT OR CLASS 2 RATED CABLE.

ELECTRICAL SPECIFICATIONS

"X" = PROVIDE SUBMITTAL

26 05 26 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS: PROVIDE EQUI-POTENTIAL GROUNDING SYSTEM, IN ACCORDANCE WITH NEC ARTICLE 250. PROVIDE GROUNDING CONDUCTOR IN ALL RACEWAYS BONDED TO EQUIPMENT AND TO RACEWAY SYSTEM.

26 05 29 - HANGARS AND SUPPORTS FOR ELECTRICAL SYSTEMS: SUPPORT ALL ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES, PANELBOARDS, BOXES, CONDUIT, ETC. PER NEC AND IBC SEISMIC REQUIREMENTS. PROVIDE SEISMIC SUPPORT AND DESIGN SEALED BY A LICENSED STRUCTURAL ENGINEER AS A DEFERRED SUBMITTAL TO THE AHJ FOR ALL EQUIPMENT OVER 400 LBS AND, EQUIPMENT OVER 20 LBS MOUNTED GREATER THAN 4FT AFF, CONDUIT 2.5"C OR GREATER AND ALL TRAPEZE OR WALL SUPPORTED RACEWAY 10 LBS/LF OR GREATER. SUPPORT STRUT AND MOUNTING HARDWARE TO BE GALVANIZED

26 05 30 - RACEWAY: ALL POWER, LIGHTING, CLASS 1, CLASS 2/3 CIRCUITS INSTALLED IN CONDUIT SHALL BE CONCEALED RACEWAY EXCEPT WHERE SPECIFICALLY INDICATED ELSEWHERE IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. ELECTRICAL EQUIPMENT AND WIRING CAN BE EXPOSED IN MECHANICAL/ELECTRICAL ROOMS, COOLER/FREEZERS, TELECOMMUNICATION ROOMS, OPEN CEILING SPACES, OR WHERE SPECIFICALLY NOTED. DO NOT ROUTE RACEWAYS ON THE EXTERIOR SURFACE OF THE BUILDING OR THE ROOF UNLESS SPECIFICALLY NOTED OTHERWISE. RACEWAYS CROSSING BUILDING SEISMIC JOINTS OR CONNECTING TO EQUIPMENT WHICH MOVES OR VIBRATES REQUIRE TRANSITION TO FLEXIBLE RACEWAY ACROSS JOINT WITH ENOUGH SLACK TO ALLOW BUILDING MOVEMENT IN ALL DIRECTIONS WITHOUT DAMAGE.

26 05 34 - ELECTRICAL METALLIC TUBING (EMT): ANSI C80.3, UL 797; GALVANIZED STEEL TUBING. FITTINGS: NEMA FB 1; GALVANIZED STEEL OR MALLEABLE IRON SET SCREW OR COMPRESSION. DIE CAST OR PRESSURE CAST FITTINGS OR LOCKNUTS ARE NOT PERMITTED. USES: WET OR DRY CONCEALED OR EXPOSED WHERE NOT SUBJECT TO PHYSICAL DAMAGE. WET OR DAMP LOCATIONS REQUIRE WET RATED GLAND COMPRESSION COUPLINGS AND CONNECTORS.

26 05 35 - FLEXIBLE METAL CONDUIT (FMC): GALVANIZED OR ZINC COATED FLEXIBLE STEEL CONSTRUCTION. FMC FITTINGS: GALVANIZED MALLEABLE IRON OR STEEL WITH INSULATED THROATS. USES: DRY SPACES LENGTHS LESS THAN 6FT FOR CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER MOVABLE OR VIBRATING EQUIPMENT.

26 05 40 - BOXES: PROVIDE PULL AND JUNCTION BOXES AS REQUIRED SIZED PER NEC REQUIREMENTS. BOX TO BE NEMA RATED FOR THE THE ENVIRONMENT INSTALLED. BRANCH CIRCUIT JUNCTION BOXES TO BE ELECTRO-GALVANIZED, 4" SQUARE BY 1 1/2" DEEP MINIMUM FOR USE IN DRY INTERIOR AREAS. PROVIDE 4 11/16" SQUARE BY 2 1/8" DEEP OUTLET BOXES FOR ALL VOICE AND DATA OUTLETS. DO NOT INSTALL BOXES BACK-TO-BACK IN WALLS. PROVIDE SEPARATION TO MINIMIZE SOUND TRANSFER. PROVIDE FIRE RATED PADS TO COVER EACH BOX IN FIRE RATED WALLS WHERE NECESSARY TO MAINTAIN FIRE WALL RATING.

26 05 55 - IDENTIFICATION OF ELECTRICAL DEVICES: IDENTIFY ALL NEW POWER OUTLETS AND WALL SWITCHES WITH LABEL DENOTING PANELBOARD NAME AND CIRCUIT NUMBER. LABELS TO BE DYNAMO PRINTED CLEAR BACKGROUND WITH BLACK LETTERS 1/8 INCH TALL.

26 05 56 - CONDUCTOR IDENTIFICATION: LABEL EACH BRANCH CIRCUIT CONDUCTOR AT EACH TERMINATION OR INTERCONNECTION OF WIRING IN PANELBOARDS, GUTTERS, PULL BOXES, OUTLETS AND LOAD CONNECTIONS. LABEL SHALL DENOTE PANEL NAME AND CIRCUIT NUMBER. COLOR CODE PHASE CONDUCTORS PER CONDUCTOR SPECIFICATION.

X 26 27 26 - WIRING DEVICE PLATES: ALL WALL PLATES SHALL BE STAINLESS STEEL, UNLESS OTHERWISE NOTED.

X 26 27 27 - RECEPTACLES: DUPLEX (AS DENOTED ON THE PLANS) COMMERCIAL GRADE, 2 POLE, 3 WIRE, 120V, 20 AMP STRAIGHT BLADE, UON, UL LISTED, SMOOTH NYLON FACE, BACK AND SIDE WIRED. INSTALL RECEPTACLES VERTICALLY WITH GROUNDING POLE ON BOTTOM UNLESS NOTED OTHERWISE.

TAMPER-RESISTANT: ALL 15 AND 20 AMP, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT FOR ALL RECEPTACLES LESS THAN 5-1/2 FT AFF.

26 27 35 - SWITCHES: 20 AMP, 120/277V AC, BACK AND SIDE WIRED CONFIGURED AS INDICATED ON THE DRAWINGS. PROVIDE NEUTRAL (GROUNDED CONDUCTOR) IN ALL SWITCH BOXES FOR EACH SWITCHED CIRCUIT TO ALLOW FUTURE TECHNOLOGIES TO BE INSTALLED WHICH REQUIRE NEUTRAL CONDUCTOR.

X 26 27 36 - DIMMING SWITCHES: ACUITY NLIGHT LOW VOLTAGE NETWORKABLE CONTROL SWITCH WITH ON/OFF, DIMMING RAISE/LOWER, AND COLOR TEMPERATURE RAISE/LOWER PUSHBUTTONS. PROVIDE WITH STAINLESS STEEL WALL PLATE.

X 26 51 00 - LUMINAIRES: PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE LUMINAIRE SCHEDULE CONFIGURED WITH OPTIONS AND MOUNTING HARDWARE FOR CEILING TYPE DENOTED ON THE ARCHITECTURAL PLANS. PROVIDE SUBMITTAL WITH FINISH COLOR AND MATERIAL OPTIONS FOR FINAL SELECTION BY THE ARCHITECT WHERE APPLICABLE. LED'S TO BE LONG-LIFE COUPLED WITH HIGH-EFFICIENCY DRIVERS RATED GREATER THAN 100 LPW WITH AN 80% LED LUMEN MAINTENANCE AT 60,000 HOURS MINIMUM. DIMMING TO BE FLICKER-FREE (0-10V) DOWN TO 1% UNLESS OTHERWISE NOTED. DRIVERS TO BE 120-277 MULTI-VOLT INPUT UNLESS OTHERWISE NOTED. EXTERIOR FIXTURES AND DRIVERS TO BE COLD AND WET RATED FOR THE LOCAL ENVIRONMENT.

X 27 15 00 - TELECOMMUNICATION OUTLET: PROVIDE TAMPER RESISTANT WALL PLATES FOR EXISTING TELECOM OUTLETS, HUBBELL #TFP10W OR APPROVED EQUAL.

X 28 31 11.1 - FIRE ALARM UPGRADE: EXISTING SYSTEM TO BE UPGRADED, RECONFIGURED, AND EXPANDED AS REQUIRED TO ACCOMMODATE THE SPACE USE AND FLOOR PLAN LAYOUT. THE FIRE ALARM SYSTEM SHALL BE A DESIGN BUILD COMPONENT OF THE PROJECT TO BE PROVIDED BY THE CONTRACTOR. SYSTEM SHALL PROVIDE ALL CODE REQUIREMENTS AT MINIMUM. FIRE ALARM SYSTEM DESIGN AND MODIFICATIONS TO BE PERFORMED AND APPROVED BY A NICET LEVEL 3 DO OR HIGHER DESIGNER. SHOP DRAWINGS DENOTING ALL REQUIREMENTS OF NEC ARTICLE 760, NFPA 72 AND AUTHORITY HAVING JURISDICTION OF THE SYSTEM INSTALLATION ARE TO BE SUBMITTED TO THE FIRE MARSHAL IF REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR ALL SYSTEM REQUIREMENTS, MATERIALS, EQUIPMENT, TESTING AND RESUBMITTALS FOR THE NECESSARY FOR AN APPROVED SYSTEM.



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PROJECT NO.: 19-0028.03

ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY MSDR
PROJECT
PRICING SET



PRELIMINARY NOT FOR CONSTRUCTION

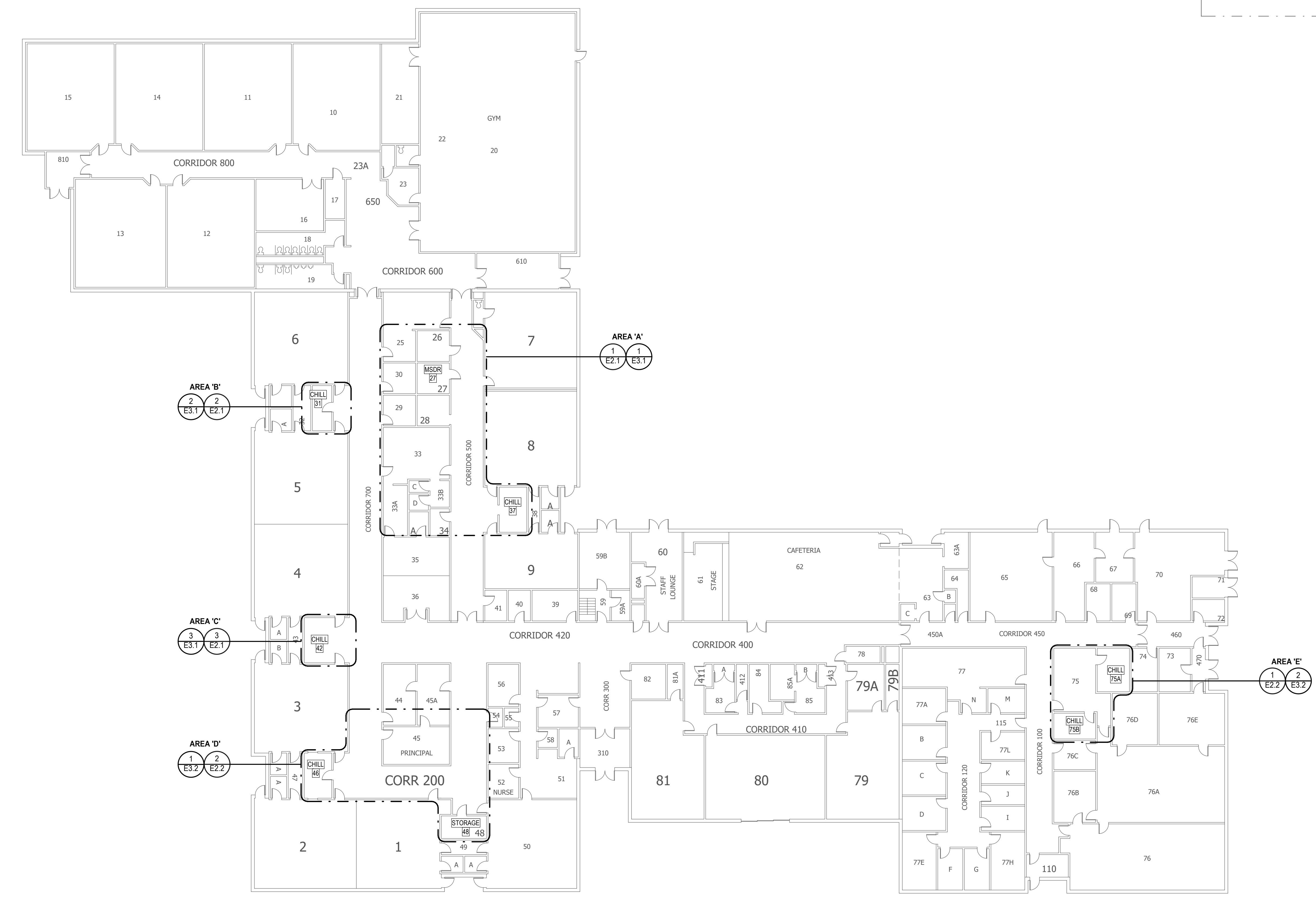
CORP. #AECC1105

ELECTRICAL SPECIFICATIONS
AUTHOR: BLS
REVISION:
ISSUE DATE: 11/21/2023
OWNER PROJECT # 19-0028.03
CHECKED: EDC

E0.2

FULL SIZE PRINTED ON 22 x 34

REVISIONS		
REV	DESCRIPTION	DATE



1 OVERALL ELECTRICAL PLAN
E1.1 SCALE: 1/16" = 1'-0"

REVISIONS		
REV	DESCRIPTION	DATE

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 PROJECT NO. 19-0028.03

ANCHORAGE SCHOOL DISTRICT
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PROJECT
 ARCHITECTURE DESIGN STRATEGY
 3909 ARCTIC BOULEVARD, SUITE 103
 ANCHORAGE, ALASKA 99503 907.561.5543
 PROJECT NO. 19-0028.03



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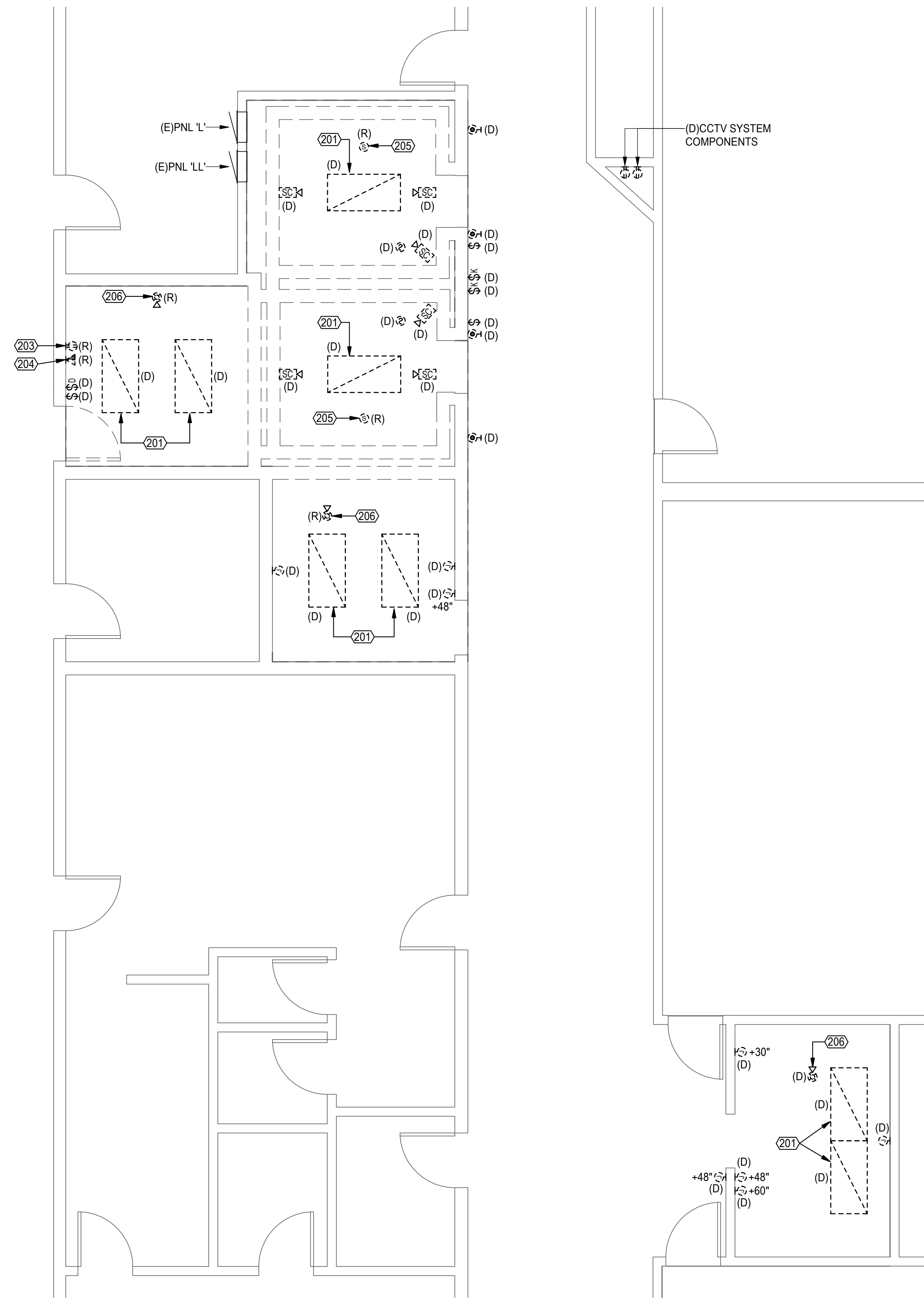
CORP. #AECC1105



OVERALL ELECTRICAL PLAN
 AUTHOR: BLS
 REVISION:
 ISSUE DATE: 11/21/2023
 OWNER PROJECT # 19-0028.03
 CHECKED: EDC

E1.1

FULL SIZE PRINTED ON 22 x 34



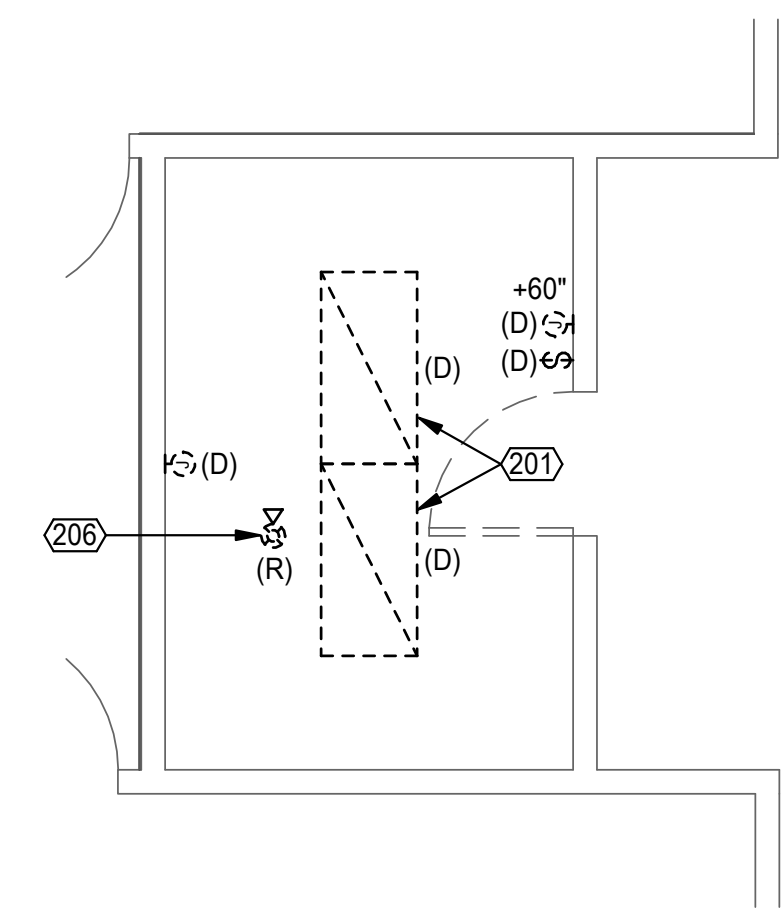
1 AREA 'A' ELECTRICAL PLAN - DEMOLITION WORK
E2.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES

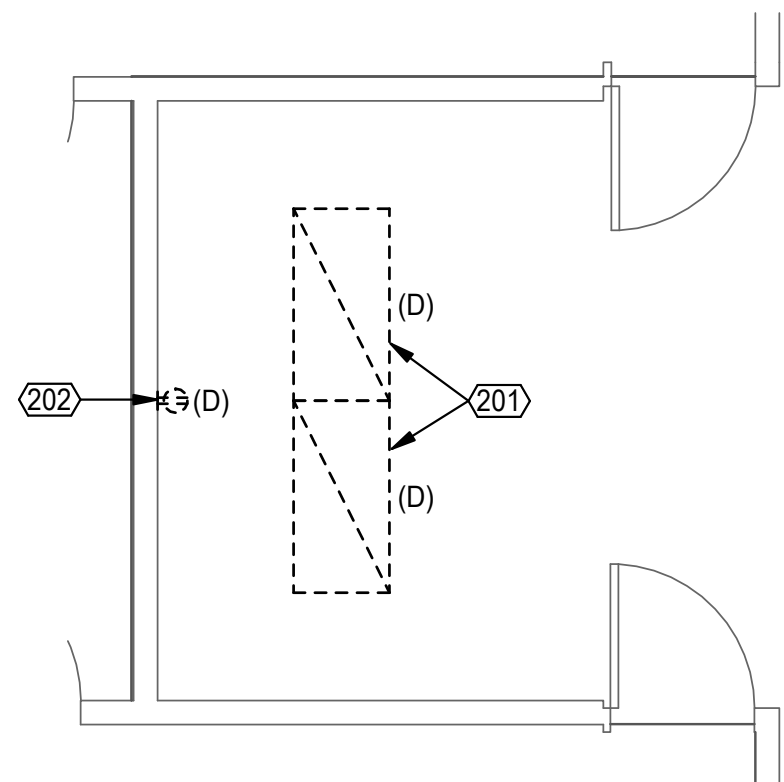
1. CONTRACTOR TO DEMOLISH ALL ELECTRICAL EQUIPMENT, DEVICES, AND LIGHTING NOTED, AND EXISTING BRANCH CIRCUITS BACK TO SERVING PANEL OR DEVICE TO REMAIN. EXISTING BRANCH CIRCUIT WIRING MAY BE RE-USED WHERE APPLICABLE IF OF GOOD CONDITION AND MEETS CURRENT CODE REQUIREMENTS.
2. DEMOLISH ALL UNUSED TELECOM/WAP CABLES BACK TO SERVING TELECOM RACK.
3. DEMOLISH ALL UNUSED CAMERA CABLES BACK TO SERVING HEAD END EQUIPMENT. RETURN ALL CCTV CAMERAS, MONITORS, AND SYSTEM EQUIPMENT TO ASD FOR SALVAGE.

REFERENCED SHEET NOTES

- REF NOTE**
- 201 DEMOLISH 2X4 LUMINAIRE(S) AND SAVE BRANCH CIRCUIT FOR RECONNECTION TO NEW LIGHTING.
 - 202 EXISTING RECEPTACLE TO BE REPLACED WITH TAMPER RESISTANT TYPE.
 - 203 EXISTING RECEPTACLE TO BE RELOCATED AND REPLACED WITH TAMPER RESISTANT TYPE. SEE NEW WORK PLAN FOR NEW LOCATION.
 - 204 EXISTING TELECOM OUTLET TO BE RELOCATED AND REPLACED WITH TAMPER RESISTANT TYPE. SEE NEW WORK PLAN FOR NEW LOCATION.
 - 205 EXISTING PA SPEAKER TO BE RELOCATED. SEE NEW WORK PLAN FOR NEW LOCATION.
 - 206 EXISTING FIRE ALARM DEVICE TO BE RELOCATED. SEE NEW WORK PLAN FOR NEW LOCATION.



2 AREA 'B' ELECTRICAL PLAN - DEMOLITION WORK
E2.1 SCALE: 1/4" = 1'-0"



3 AREA 'C' ELECTRICAL PLAN - DEMOLITION WORK
E2.1 SCALE: 1/4" = 1'-0"

REVISIONS		
REV	DESCRIPTION	DATE

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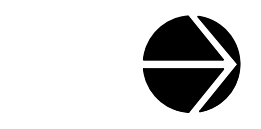
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EIC JOB NO: E23-4252
6927 OLD SEWARD HWY, SUITE 200
ECI ARCHITECTURE DESIGN STRATEGY
3909 ARCTIC BOULEVARD, SUITE 103
ANCHORAGE, ALASKA 99503 907.561.5543
PROJECT NO. 19-0028.03

ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY MSDR PROJECT
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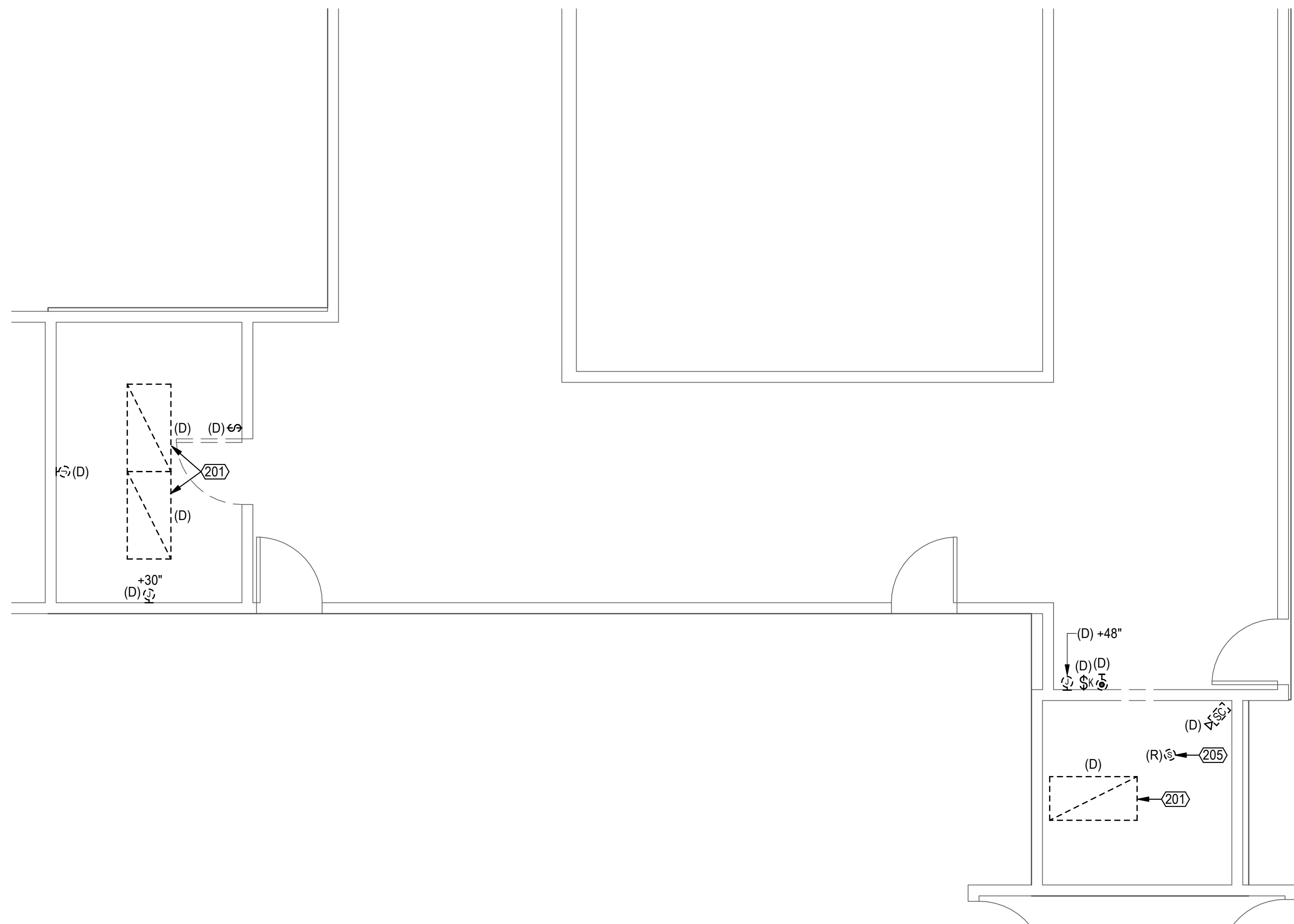
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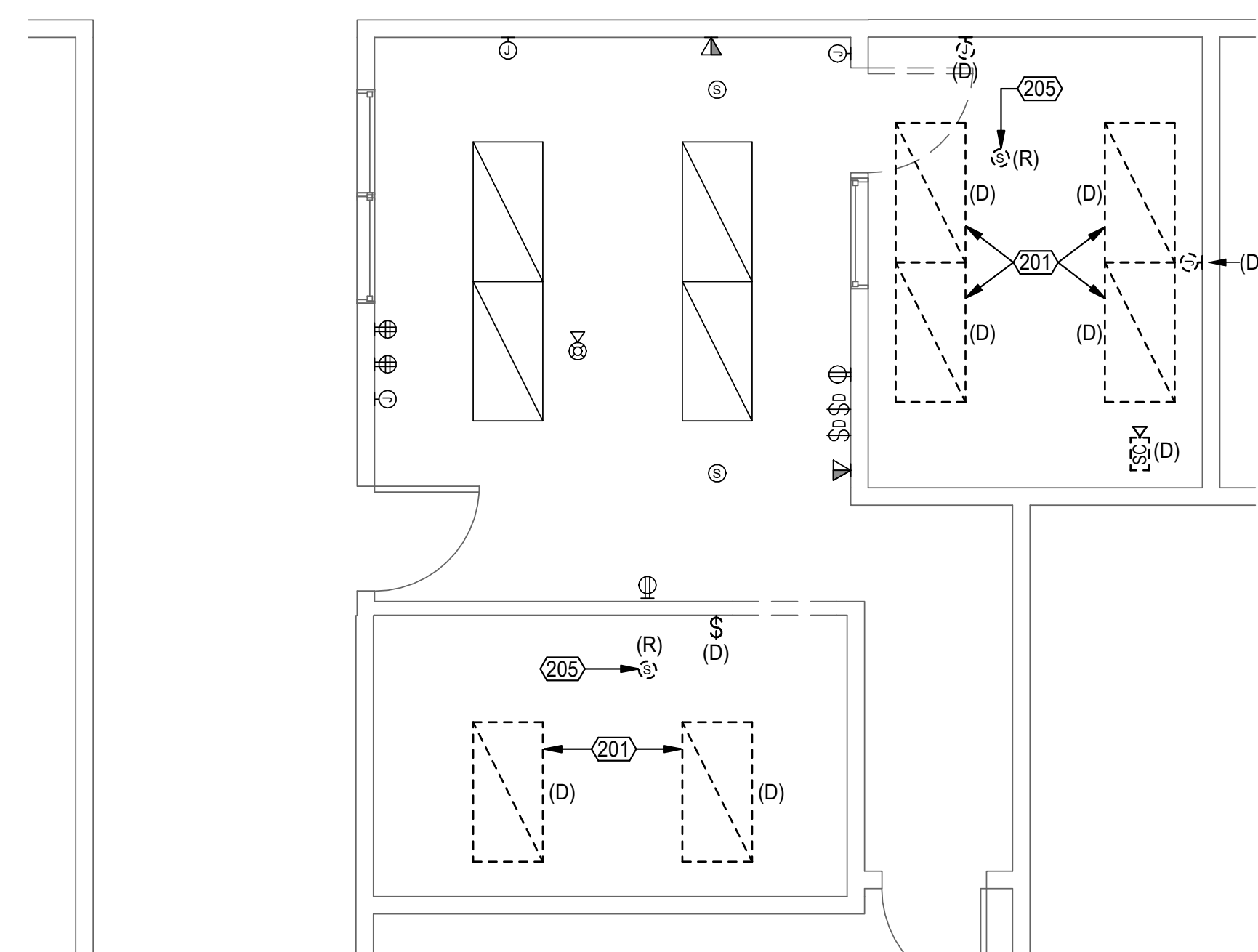


ELECTRICAL PLANS - DEMOLITION WORK
AUTHOR: BLS
REVISION:
OWNER PROJECT # 19-0028.03
CHECKED: EDC

E2.1



2 AREA 'D' ELECTRICAL PLAN - DEMOLITION WORK
E2.2 SCALE: 1/4" = 1'-0"



1 AREA 'E' ELECTRICAL PLAN - DEMOLITION WORK
E2.2 SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR TO DEMOLISH ALL ELECTRICAL EQUIPMENT, DEVICES, AND LIGHTING NOTED, AND EXISTING BRANCH CIRCUITS BACK TO SERVING PANEL OR DEVICE TO REMAIN. EXISTING BRANCH CIRCUIT WIRING MAY BE RE-USED WHERE APPLICABLE IF OF GOOD CONDITION AND MEETS CURRENT CODE REQUIREMENTS.
2. DEMOLISH ALL UNUSED TELECOM/WAP CABLES BACK TO SERVING TELECOM RACK.
3. DEMOLISH ALL UNUSED CAMERA CABLES BACK TO SERVING HEAD END EQUIPMENT. RETURN ALL CCTV CAMERAS, MONITORS, AND SYSTEM EQUIPMENT TO ASD FOR SALVAGE.

REFERENCED SHEET NOTES

- REF NOTE**
- 201 DEMOLISH 2X4 LUMINAIRE(S) AND SAVE BRANCH CIRCUIT FOR RECONNECTION TO NEW LIGHTING.
 - 205 EXISTING PA SPEAKER TO BE RELOCATED. SEE NEW WORK PLAN FOR NEW LOCATION.



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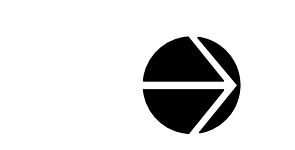
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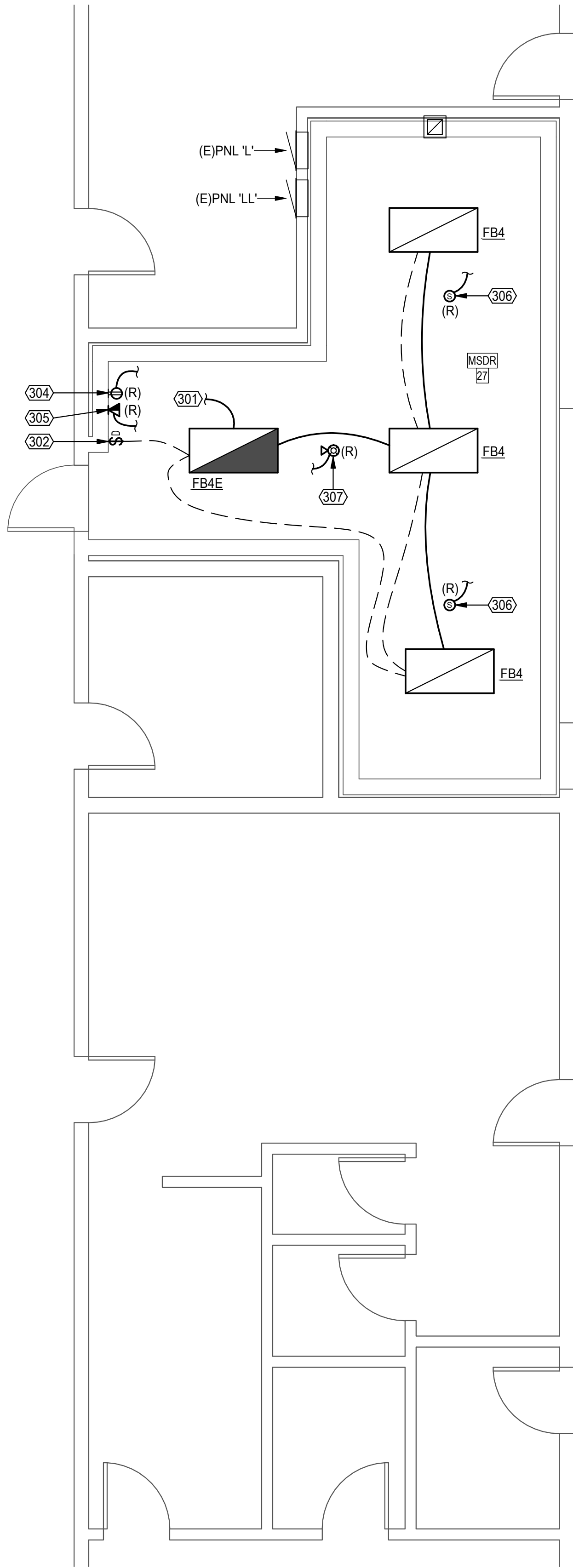
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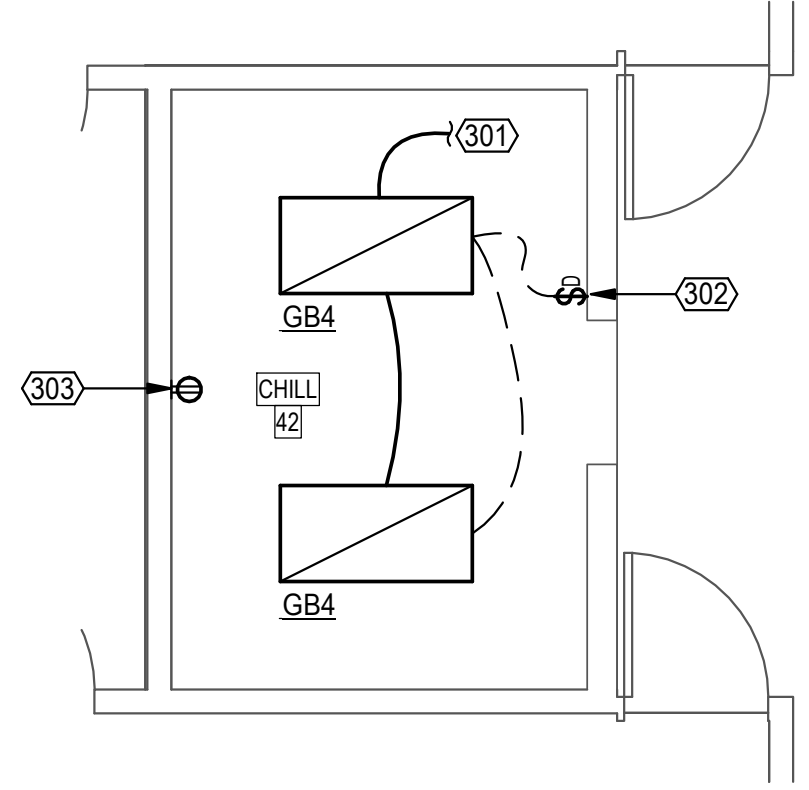
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1 AREA 'A' ELECTRICAL PLAN - NEW WORK
E3.1 SCALE: 1/4" = 1'-0"



2 AREA 'B' ELECTRICAL PLAN - NEW WORK
E3.1 SCALE: 1/4" = 1'-0"



3 AREA 'C' ELECTRICAL PLAN - NEW WORK
E3.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. PROVIDE STAINLESS STEEL DEVICE PLATES FOR ALL RECEPTACLES AND LIGHT SWITCHES IF NOT CURRENTLY PRESENT.
2. UPGRADES TO THE EXISTING FIRE ALARM SYSTEM IS A DESIGN/BUILD COMPONENT OF THE PROJECT TO BE PROVIDED BY THE CONTRACTOR. DEVICE QUANTITIES AND LOCATIONS SHOWN ARE MEANT TO CONVEY SCOPE ONLY. ACTUAL DEVICE QUANTITIES, TYPES, AND LOCATIONS TO BE DETERMINED BY FIRE ALARM SYSTEM DESIGNER. SEE ELECTRICAL SPECIFICATIONS FOR DETAIL.
3. PROVIDE NETWORK STYLE LOW VOLTAGE LIGHTING CONTROL SYSTEMS AS NOTED. BASIS OF DESIGN IS ACUITY NLIGHT. CONTRACTOR TO CONNECT NEW SYSTEM COMPONENTS TO BUILDING'S EXISTING NLIGHT SYSTEM AND SOFTWARE AS NECESSARY IF PRESENT. IF BUILDING NETWORKED NLIGHT SYSTEM IS NOT PRESENT, LIGHTING DEVICES TO OPERATE IN STAND-ALONE MODE. SEE 1/E4.1 FOR SYSTEM DETAIL.
4. MOUNT ALL LIGHTING CONTROL SYSTEM RELAYS, POWER PACKS, BRIDGES, ETC IN ACCESSIBLE CEILING SPACE WHERE FEASIBLE. PROVIDE ACCESS PANELS FOR DEVICES WHERE NOT INSTALLED IN ACCESSIBLE CEILINGS. COORDINATE ALL ACCESS PANELS WITH ARCHITECTURAL PRIOR TO ROUGH-IN.

REFERENCED SHEET NOTES

- REF NOTE**
- 301 CONNECT NEW LIGHTING TO EXISTING SAVED BRANCH CIRCUIT. NEW LIGHTING LOAD IS LESS THAN OR EQUAL TO NEW LIGHTING LOAD.
 - 302 PROVIDE LOW VOLTAGE SWITCH WITH ON/OFF, DIMMING RAISE/LOWER, AND COLOR TEMPERATURE RAISE/LOWER CONTROLS.
 - 303 PROVIDE TAMPER RESISTANT TYPE RECEPTACLE AT EXISTING RECEPTACLE LOCATION.
 - 304 RELOCATED RECEPTACLE. PROVIDE TAMPER RESISTANT TYPE RECEPTACLE. EXTEND EXISTING BRANCH CIRCUIT TO NEW LOCATION AS NECESSARY.
 - 305 RELOCATED TELECOM OUTLET. PROVIDE TAMPER RESISTANT TYPE (HUBBELL #TPF10W OR EQUAL). EXTEND TELECOM CABLING TO NEW LOCATION AS NECESSARY.
 - 306 RELOCATED PA SPEAKER. EXTEND EXISTING CIRCUIT TO NEW LOCATION AS NECESSARY.
 - 307 RELOCATED FIRE ALARM DEVICE. EXTEND EXISTING CIRCUIT TO NEW LOCATION AS NECESSARY.

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PROJECT NO. 19-0028.03

**ANCHORAGE SCHOOL DISTRICT
WHALEY ELEMENTARY MSDR
PROJECT**

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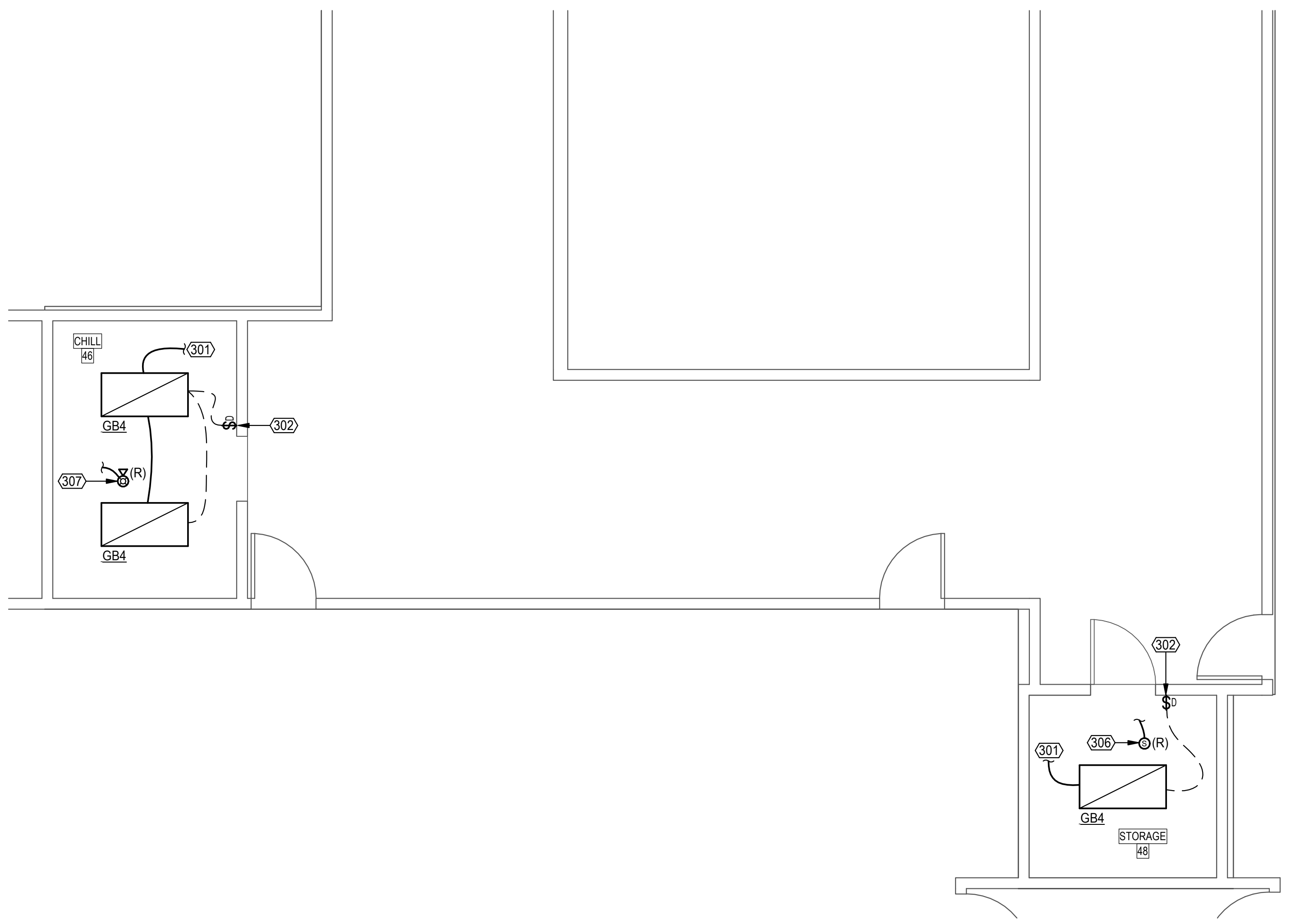
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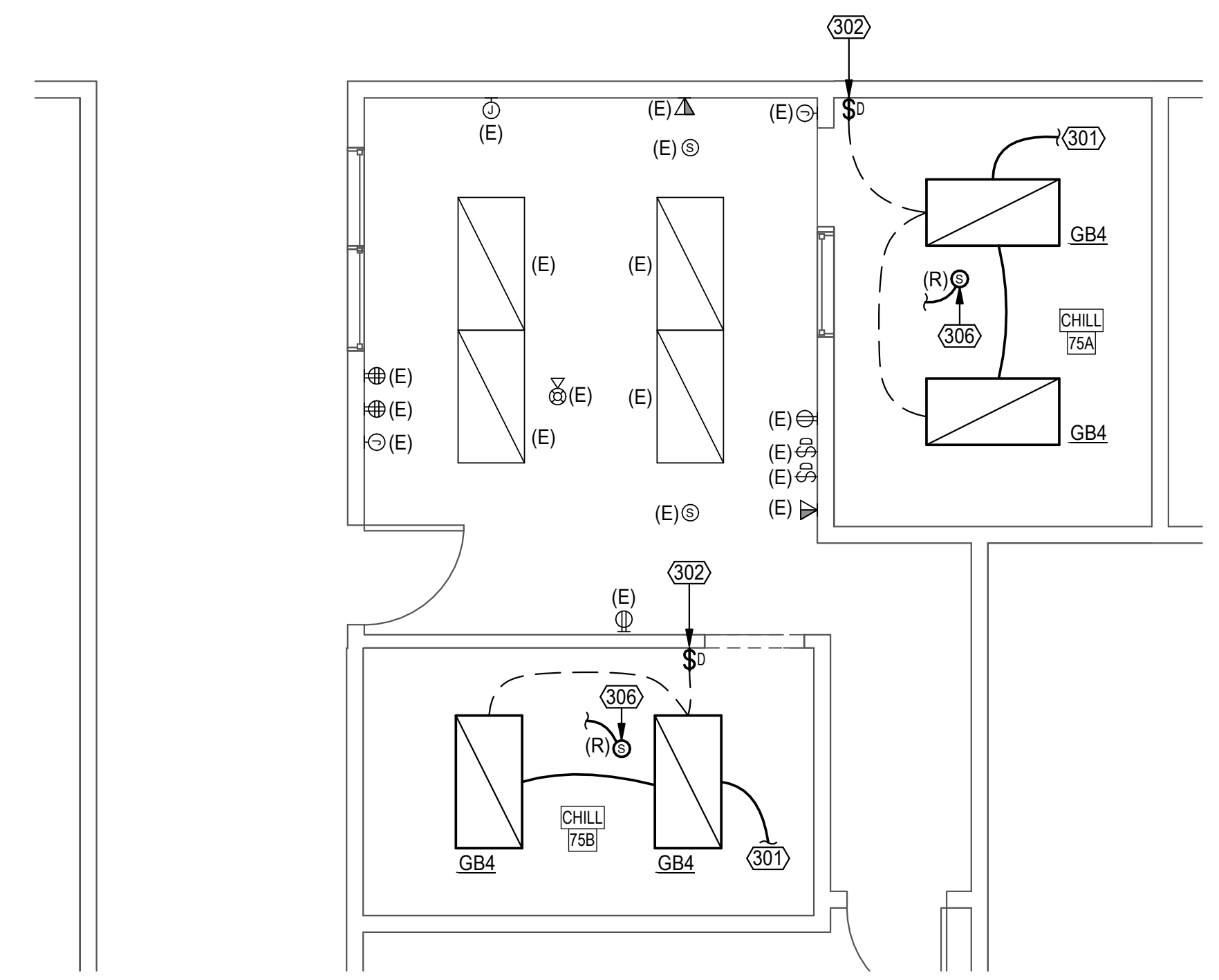
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ELECTRICAL PLANS - NEW WORK
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REVISION:
ISSUE DATE: 11/21/2023
OWNER PROJECT # 19-0028.03

E3.1
FULL SIZE PRINTED ON 22 x 34



1 AREA 'D' ELECTRICAL PLAN - NEW WORK
E3.2 SCALE: 1/4" = 1'-0"



2 AREA 'E' ELECTRICAL PLAN - NEW WORK
E3.2 SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. PROVIDE STAINLESS STEEL DEVICE PLATES FOR ALL RECEPTACLES AND LIGHT SWITCHES IF NOT CURRENTLY PRESENT.
2. UPGRADES TO THE EXISTING FIRE ALARM SYSTEM IS A DESIGN/BUILD COMPONENT OF THE PROJECT TO BE PROVIDED BY THE CONTRACTOR. DEVICE QUANTITIES AND LOCATIONS SHOWN ARE MEANT TO CONVEY SCOPE ONLY. ACTUAL DEVICE QUANTITIES, TYPES, AND LOCATIONS TO BE DETERMINED BY FIRE ALARM SYSTEM DESIGNER. SEE ELECTRICAL SPECIFICATIONS FOR DETAIL.
3. PROVIDE NETWORK STYLE LOW VOLTAGE LIGHTING CONTROL SYSTEMS AS NOTED. BASIS OF DESIGN IS ACUITY NLIGHT. CONTRACTOR TO CONNECT NEW SYSTEM COMPONENTS TO BUILDING'S EXISTING NLIGHT SYSTEM AND SOFTWARE AS NECESSARY IF PRESENT. IF BUILDING NETWORKED NLIGHT SYSTEM IS NOT PRESENT, LIGHTIGN DEVICES TO OPERATE IN STAND-ALONE MODE. SEE 1/E4.1 FOR SYSTEM DETAIL.
4. MOUNT ALL LIGHTING CONTROL SYSTEM RELAYS, POWER PACKS, BRIDGES, ETC IN ACCESSIBLE CEILING SPACE WHERE FEASIBLE. PROVIDE ACCESS PANELS FOR DEVICES WHERE NOT INSTALLED IN ACCESSIBLE CEILINGS. COORDINATE ALL ACCESS PANELS WITH ARCHITECTURAL PRIOR TO ROUGH-IN.

REFERENCED SHEET NOTES

- REF NOTE
- 301 CONNECT NEW LIGHTING TO EXISTING SAVED BRANCH CIRCUIT. NEW LIGHTING LOAD IS LESS THAN OR EQUAL TO NEW LIGHTING LOAD.
 - 302 PROVIDE LOW VOLTAGE SWITCH WITH ON/OFF, DIMMING RAISE/LOWER, AND COLOR TEMPERATURE RAISE/LOWER CONTROLS.
 - 306 RELOCATED PA SPEAKER. EXTEND EXISTING CIRCUIT TO NEW LOCATION AS NECESSARY.
 - 307 RELOCATED FIRE ALARM DEVICE. EXTEND EXISTING CIRCUIT TO NEW LOCATION AS NECESSARY.



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PROJECT NO.19-0028.03

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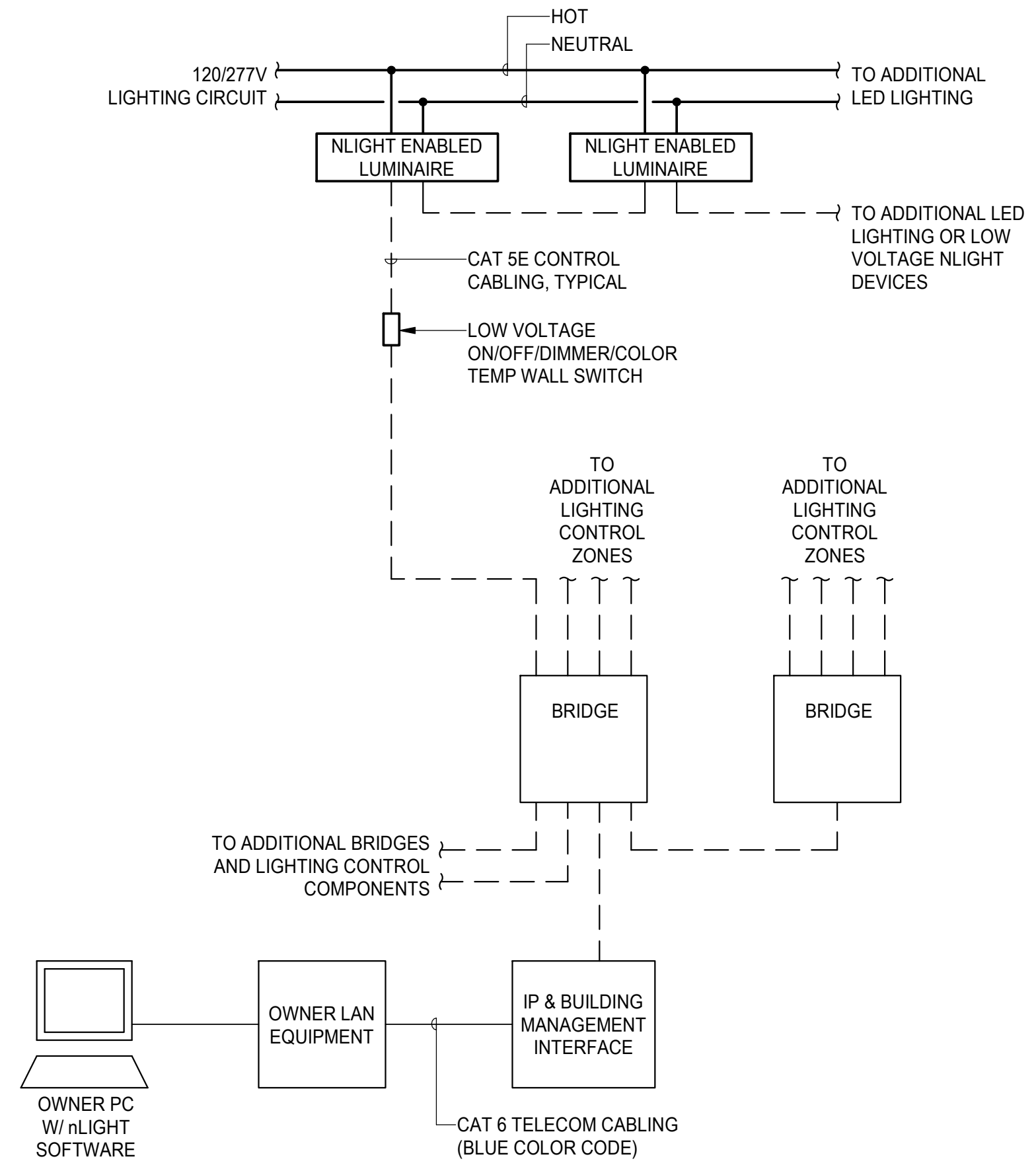
ELECTRICAL PLANS - NEW WORK

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ISSUE DATE: 11/21/2023
OWNER PROJECT # 19-0028.03

E3.2

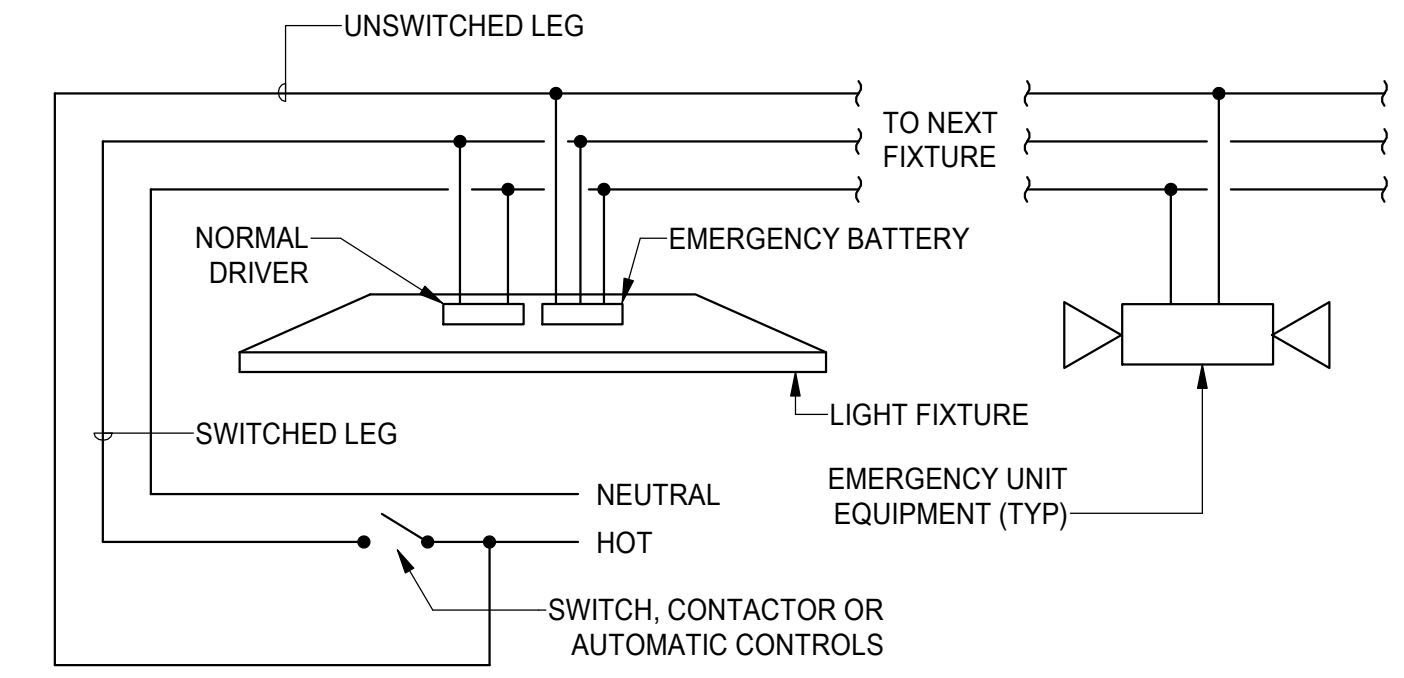
FULL SIZE PRINTED ON 22 x 34

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- DETAIL NOTES:**
1. DIAGRAM SHOWN IS BASED ON ACUITY NLIGHT PRODUCTS. CONTRACTOR TO COORDINATE EXACT SYSTEM REQUIREMENTS, EQUIPMENT, AND CABLING NECESSARY FOR COMPLETE SYSTEM WITH SYSTEM VENDOR.
 2. ALL CONTROL CABLING LOCATED IN PLENUM CEILING SPACES SHALL BE PLENUM RATED.
 3. PROVIDE VENDOR COMMISSIONING AND SYSTEM PROGRAMMING. COORDINATE SYSTEM FUNCTIONALITY AND INTEGRATION INTO EXISTING BUILDING NLIGHT NETWORKED SYSTEMS WITH OWNER IF PRESENT, OTHERWISE, SYSTEM COMPONENTS TO OPERATE IN LOCAL STAND-ALONE MODE ONLY.

1 TYPICAL LIGHTING CONTROL SYSTEM ARCHITECTURE
E4.1 SCALE: NONE



- DETAIL NOTES:**
1. EMERGENCY FIXTURES AND EXIT SIGNS TO BE CONNECTED TO LOCAL LIGHTING CIRCUIT TO ILLUMINATE WHEN UNSWITCHED LEG CIRCUIT FAILS NO MATTER WHAT STATE LIGHTING IS OPERATING.

2 TYPICAL EMERGENCY LIGHTING CONNECTION DIAGRAM
E4.1 SCALE: NONE

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ELECTRICAL DIAGRAMS & DETAILS

AUTHOR: BLS
REVISION: CHECKED: EDC
ISSUE DATE: 11/21/2023
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