

MESA COUNTY CORRECTIONS - LAB REMODEL

GRAND JUNCTION, COLORADO

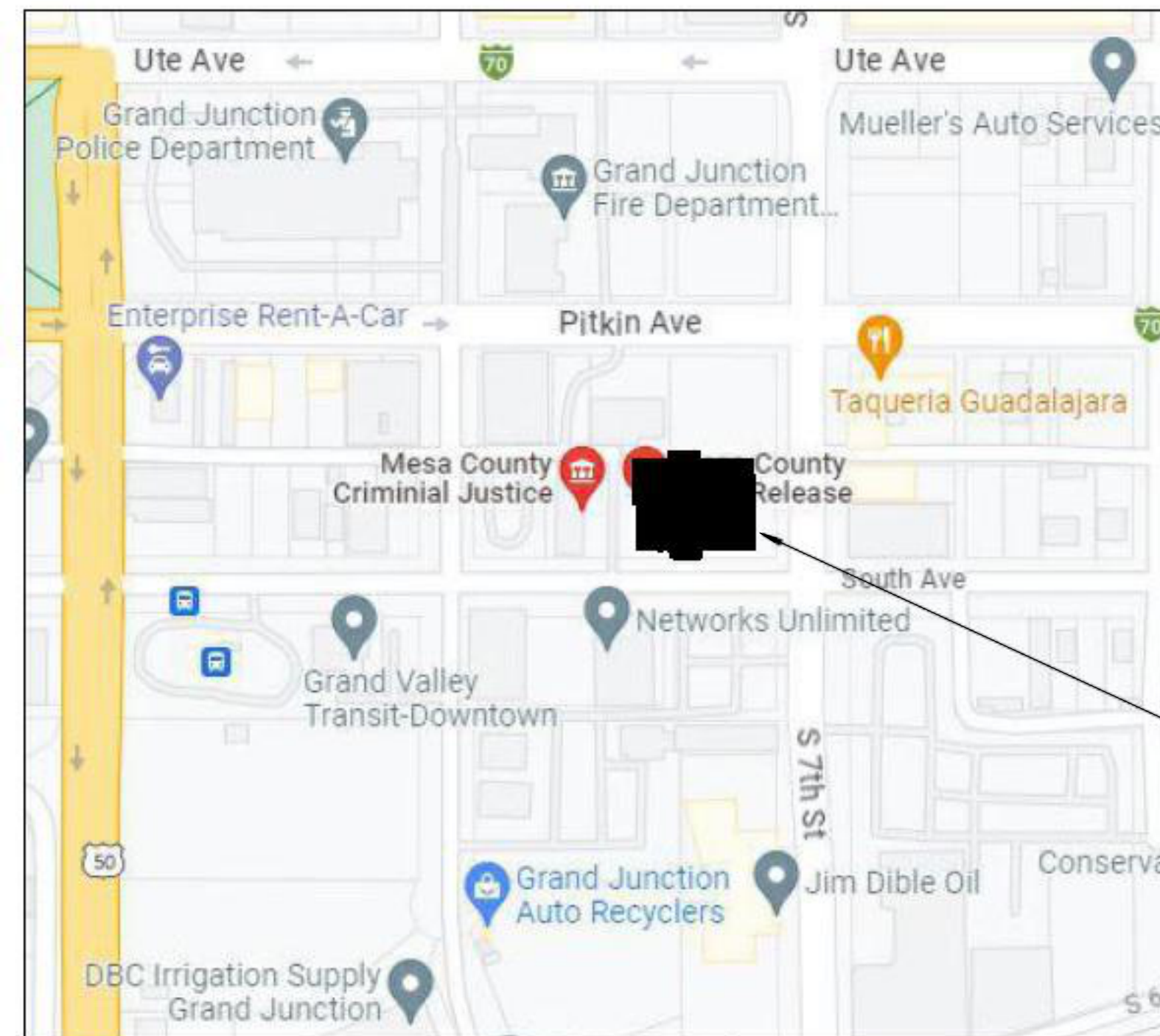


chamberlin

437 Main Street
Grand Junction, CO 81501
970.242.6804
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LOCALITY MAP



PROJECT LOCATION
650 South Avenue
Grand Junction, CO

OWNER

MESA COUNTY FACILITIES
2785 U.S. Highway 50
Grand Junction, CO 81503
(970) 244-3230

DESIGN TEAM

ARCHITECT:
CHAMBERLIN ARCHITECTS
437 Main Street
Grand Junction, CO 81501
(970) 242-6804

MECHANICAL / ELECTRICAL:
BIGHORN CONSULTING ENGINEERS, INC
386 Indian Road
Grand Junction, CO 81501
(970) 241-8709

DRAWING LIST

GENERAL		
G001	COVER SHEET	
ARCHITECTURAL		
A101	DEMO PLAN, FLOOR PLAN, RCP, NOTES & WALL TYPE	
A161	INTERIOR FINISH PLAN & FLOOR FRAMING PLAN - MEDICAL	
A401	INTERIOR ELEVATIONS	
A601	INTERIOR DETAILS	
A701	DOOR SCHEDULE, DOOR & FRAME TYPES, WINDOW TYPES & DETAILS	
MECHANICAL		
M001	MECHANICAL COVER SHEET	
M101	MECHANICAL DEMO PLAN & MECHANICAL FLOOR PLAN	
M201	MECHANICAL DETAILS & SCHEDULES	
M301	MECHANICAL RECORD DRAWING (FOR REFERENCE ONLY)	
PLUMBING		
P001	PLUMBING COVER SHEET	
P101	PLUMBING DEMO PLAN, PLUMBING FLOOR PLAN, PLUMBING DETAILS & SCHEDULES	
P201	PLUMBING RECORD DRAWING (FOR REFERENCE ONLY)	
ELECTRICAL		
E001	ELECTRICAL COVER SHEET	
E201	ELECTRICAL DEMO PLAN, ELECTRICAL FLOOR PLAN, LIGHTING PLAN & SCHEDULE	
E301	ELECTRICAL ONE-LINE DIAGRAM	

ARCHITECTURAL ABBREVIATIONS

ABV	above	EIFS	exterior insul finish sys	INCL	include (d) (ing)
ACC	accessories	EJ	expansion joint	INSUL	insulate (d) (ing)
AFF	above finished floor	EL	elevation	INT	interior
ALT	alternate	ELEC	electric (al)	INV	invert
AL	aluminum	EM	emergency		
APC	acoustical panel ceiling	EWC	electric water cooler	JST	joist
ARCH	architect (ural)	EWS	end wall corner guard	JT	joint
ASPH	asphalt	EQ	equal		
A/C	air conditioning	EXG	existing	L	length, angle
		EXH	exhaust	LAM	laminated (d)
BCS	baby changing station	EXP	exposed	LAV	lavatory
BD	board	EXT	exterior	LB	pound
BLDG	building			LF	lineal foot
BLKG	blocking	FBO	furnished by owner	LG	laminated glass, glazing
BO	bottom of	FD	floor drain	LG	laminated glass, glazing
BRG	bearing	FDN	foundation	LIN	linoleum
		FE	fire extinguisher	LT	light
CBU	cementitious backer unit	FEC	fire extinguisher cabinet	MA	match
CG	corner guard	FEP	finished end panel	MAS	masonry
CJ	control joint	FFE	finished floor elevation	MATL	material
CLG	ceiling	FIN	finish	MAX	maximum
CLR	clear (ance)	FLG	flashing	MB	marker board
CMU	concrete masonry unit	FLR	floor (ing)	MECH	mechanic (al)
COL	column	FLUR	fluorescent	MFR	manufacture (r) (d)
CONC	concrete	FO	face of	MH	manhole
CONT	continuous or continue	FRMG	framing	MIN	minimum
CORR	corridor	FRP	fiber reinforced plastic	MISC	miscellaneous
CPET	common path of egress travel	FT	foot (feet)	MLD	molding, moulding
CPT	carpet (ed)	FTG	footing	MO	masonry opening
CSMT	casement			MT	mount (ed) (ing)
CT	ceramic tile	GA	gage, gauge	MTL	metal
CTR	center	GAL	gallon		
CWOG	center wall on grid	GALV	galvanized	N	north
		GB	grab bar	N/A	not applicable
DBL	double	GC	general contractor	NIC	not in contract
DEMO	demolish / demolition	GL	glass, glazing	NOM	nominal
DF	drinking fountain	GWB	gypsum wallboard	NTS	not to scale
DIR	direction	GYP	gypsum	NECY	necessary
DISP	dispenser	HAS	headed anchor stud	OC	on center (s)
DN	down	HB	hose bibb	OD	outside diameter
DR	door	HCP	handicap (ed)	OFCI	owner furnished, contractor installed
DS	downspout	HDR	header	OFD	overflow drain
DTL	detail	HDW	hardware	OFOI	owner furnished, owner installed
DWG	drawing	HM	hollow metal	OH	overhead
DWR	drawer	HOR	horizontal	OL	occupant load
		HSS	hollow structural sections	OLF	occupant load factor
E	east	HT	height		
EA	each	HVAC	heating, ventilation / air conditioning		
EC	evaporative cooler	HWD	hardwood		
EG	etched glass/glazing				

OPG	opening	SHT	sheet
OPH	opposite hand	SHTG	sheathing
OPP	opposite	SIM	similar
OSB	oriented strand board	SND	sanitary napkin disposal
OTS	open to structure	SNV	sanitary napkin vendor
		SPEC	specification
PB	particle board	SPKR	speaker
PERF	perforate (d)	SQ	square
PERIM	perimeter	SS	solid surface
PLAM	plastic laminate	SST	stainless steel
PLT	plate	STD	standard
PNL	panel	STL	steel
PNT	paint (ed)	STOR	storage
PR	pair	STR	structural
PRCJ	projector, projection	SUSP	suspended
PSF	pounds per square foot		
PSI	pounds per square inch	T	tread
PT	pressure treated	TB	towel bar
PTD	paper towel dispenser	TD	travel distance
PTN	partition	TEL	telephone
PVC	polyvinyl chloride	T.O.	top of
PVMT	pavement	TOC	top of concrete
PWD	plywood	TOS	top of steel
		TOW	top of wall
QT	quarry tile	TPD	toilet paper dispenser
		TS	tube steel
R	riser, radius	TYP	typical
RB	rubber base	T&G	tongue and groove
REC	recycling		
RCMD	recommend (ed) (ations)	UNO	unless noted otherwise
RE	reference	VB	vapor barrier
REF	refrigerator	VCT	vinyl composition tile
REIN	reinforce (d) (ing)	VERT	vertical
REQ	required	VIF	verify in field
REV	revision (s), revised	VM	vending machine
RD	roof drain	VNL	vinyl sheet
RFG	roofing	VTR	vent through roof
RH	robe hook		
RM	room	W	west, wide, width
RO	rough opening	WI	with
ROW	right of way	WB	wood base
RR	restroom	WC	watercloset
RTU	roof top unit	WD	wood
RUB	rubber	WDW	window
		WF	wide flange
S	south	WG	wire glass
SAG	susp acoustic grid	W/O	without
SC	shower curtain rod & hooks	WP	waterproof (ing)
SCH	schedule	WR	waste receptacle
SD	soap dispenser	WRB	weather resistive barrier
		WWM	welded wire mesh

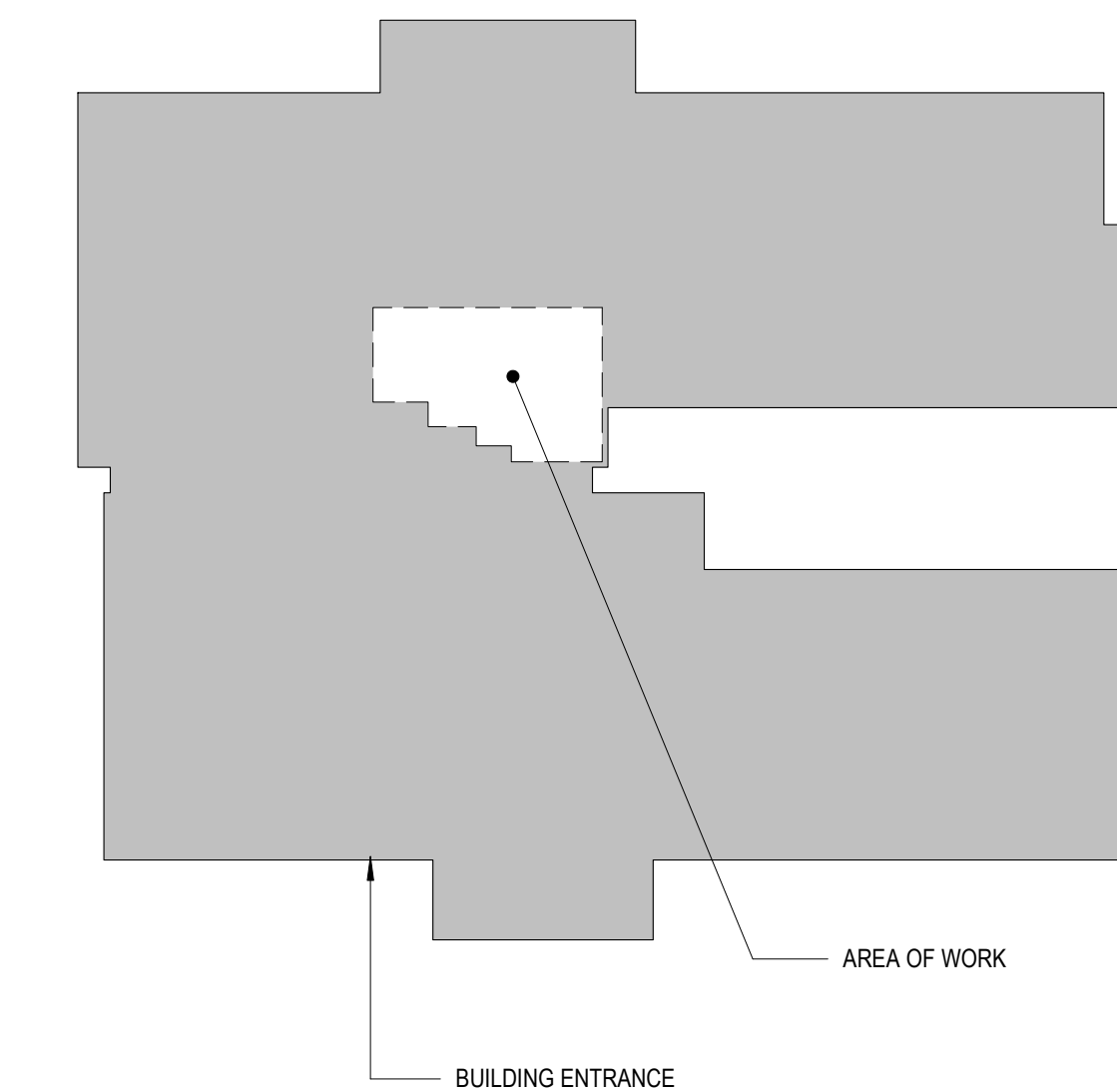
SYMBOLS

	REVISION
	ELEVATION
	COLUMN GRID LOCATION
	DOOR NUMBER
	WINDOW TYPE
	CENTER LINE
	LINE OF WALL ABOVE OR HIDDEN LINE
	BREAK LINE
	MATCH LINE
	Room 101 ROOM NAME ROOM NUMBER
	INTERIOR WALL ELEVATION REFERENCE DRAWING
	REFERENCED SECTION NUMBER SHEET NUMBER
	WALL TYPE
	REFERENCED DETAIL NUMBER SHEET NUMBER

GENERAL NOTES

- COMPLY WITH ALL MANUFACTURERS RECOMMENDATIONS AND INDUSTRY STANDARDS RELEVANT TO THE WORK HEREIN.
- ALL DIMENSIONS ARE FROM FACE OF FINISH UNO.
- ALL ALIGNMENTS ARE FACE OF FINISH UNO.
- FIELD VERIFY ALL DIMENSIONS AND ROUGH OPENINGS PRIOR TO FABRICATION AND/OR INSTALLATION.

KEY PLAN



MESA COUNTY CORRECTIONS FACILITY - LAB REMODEL

650 SOUTH AVENUE
GRAND JUNCTION, COLORADO

COVER SHEET

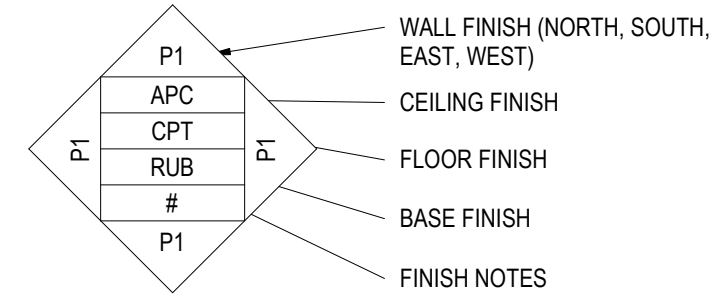
NO: ISSUED FOR: DATE:

PROJECT STATUS: PERMIT SET

DATE:
10/2/2024 SHEET NO:
PROJECT NO:
2416 **G001**

permit set

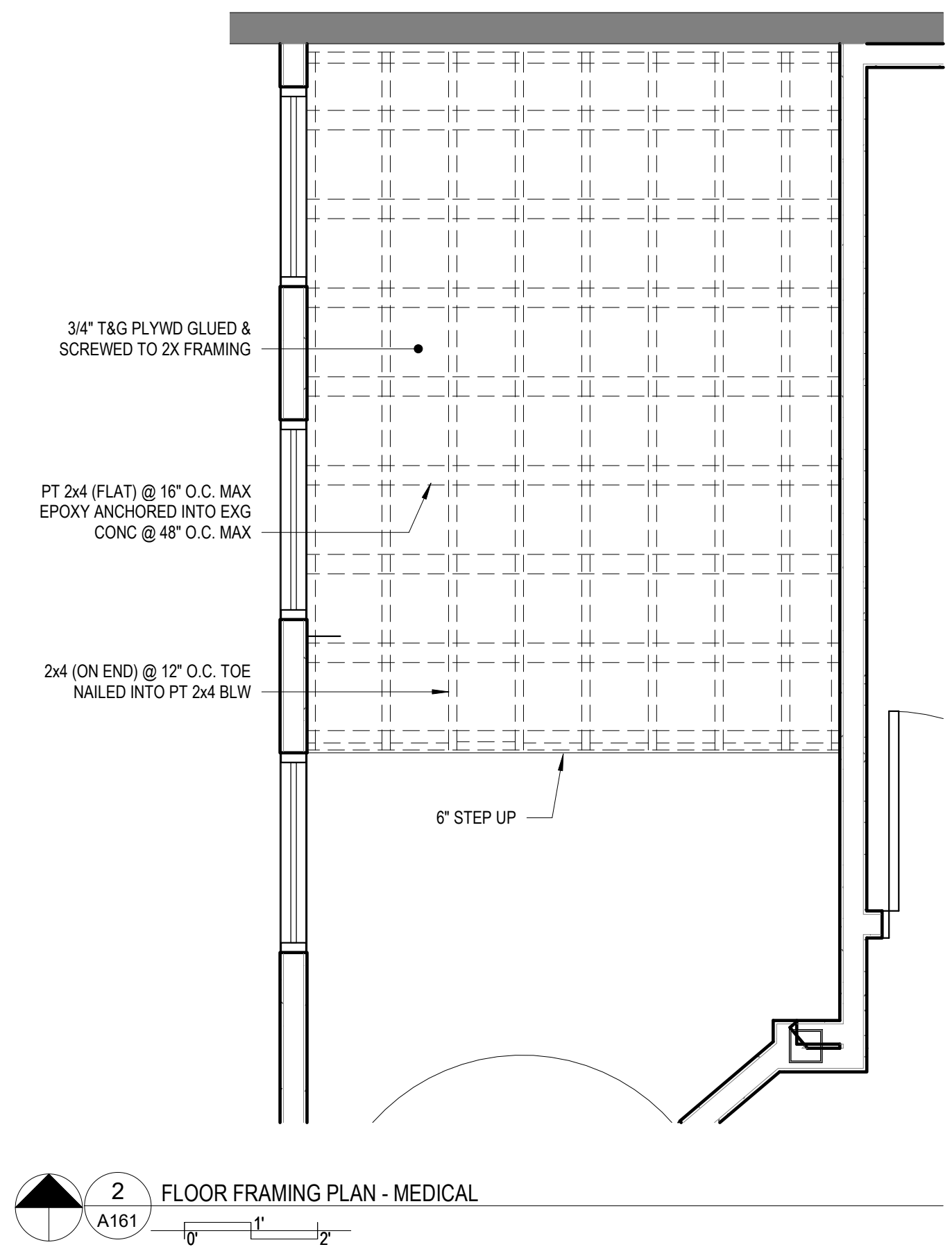
INTERIOR FINISH LEGEND



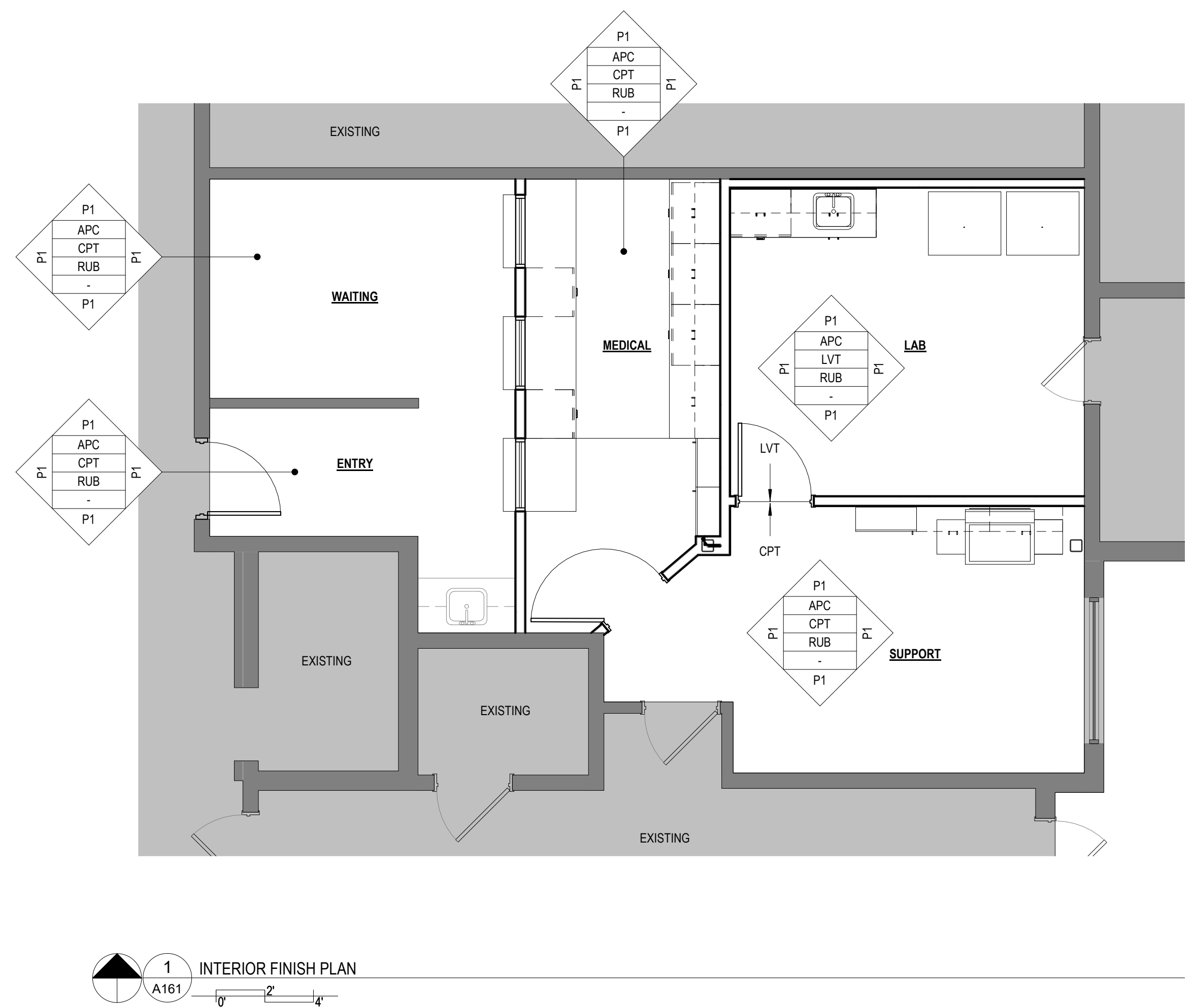
- WALL FINISH**
 P - CMU OR GYPSUM WALLBOARD W/ PAINT
- CEILING FINISH**
 APC - SUSPENDED ACOUSTICAL PANEL CEILING GRID AND TILE
- FLOOR FINISHES**
 CPT - CARPET FLOOR TILE
 LVT - LUXURY VINYL COMPOSITION TILE
- BASE FINISHES**
 RUB - RUBBER BASE.

GENERAL FINISH NOTES:

- PATTERN AT WALLS, RE: INTERIOR ELEVATIONS A401
- PATTERN AT CEILINGS, RE: REFLECTED CEILING PLAN A101
- FLOORING SHALL EXTEND UNDER ALL CASEWORK



2 FLOOR FRAMING PLAN - MEDICAL
 A161
 1" = 2'



1 INTERIOR FINISH PLAN
 A161
 1/4" = 2'



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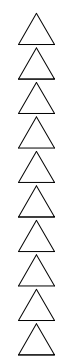


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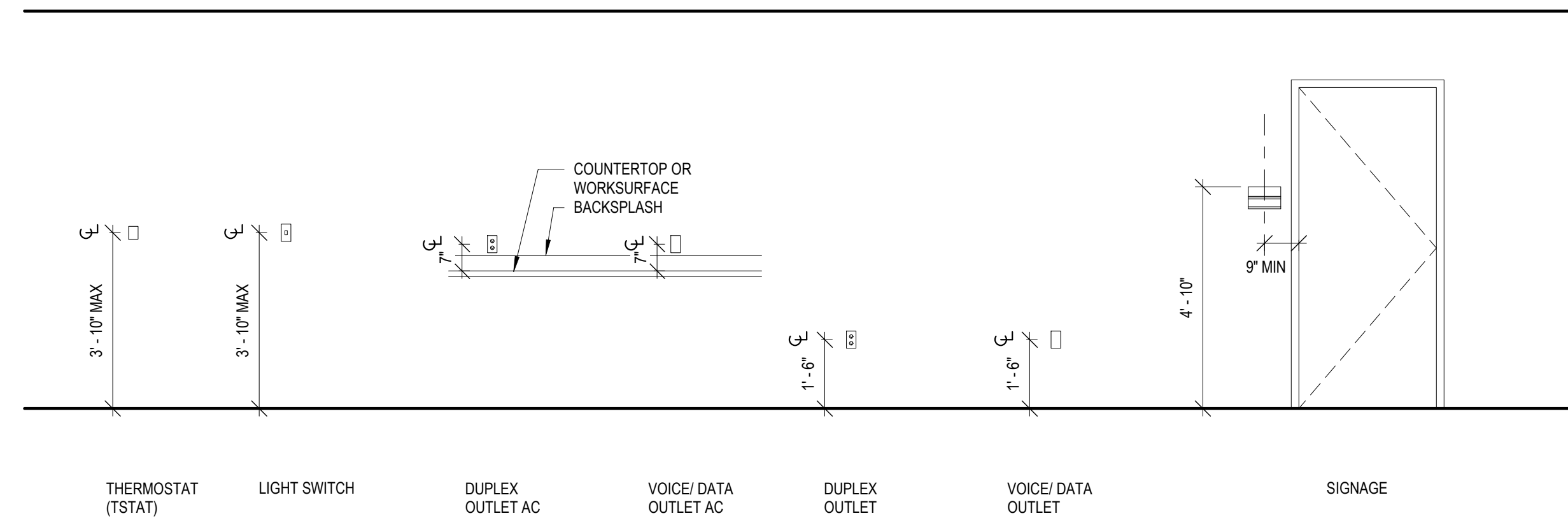
INTERIOR FINISH
 PLAN & FLOOR
 FRAMING PLAN -
 MEDICAL

NO: ISSUED FOR: DATE:



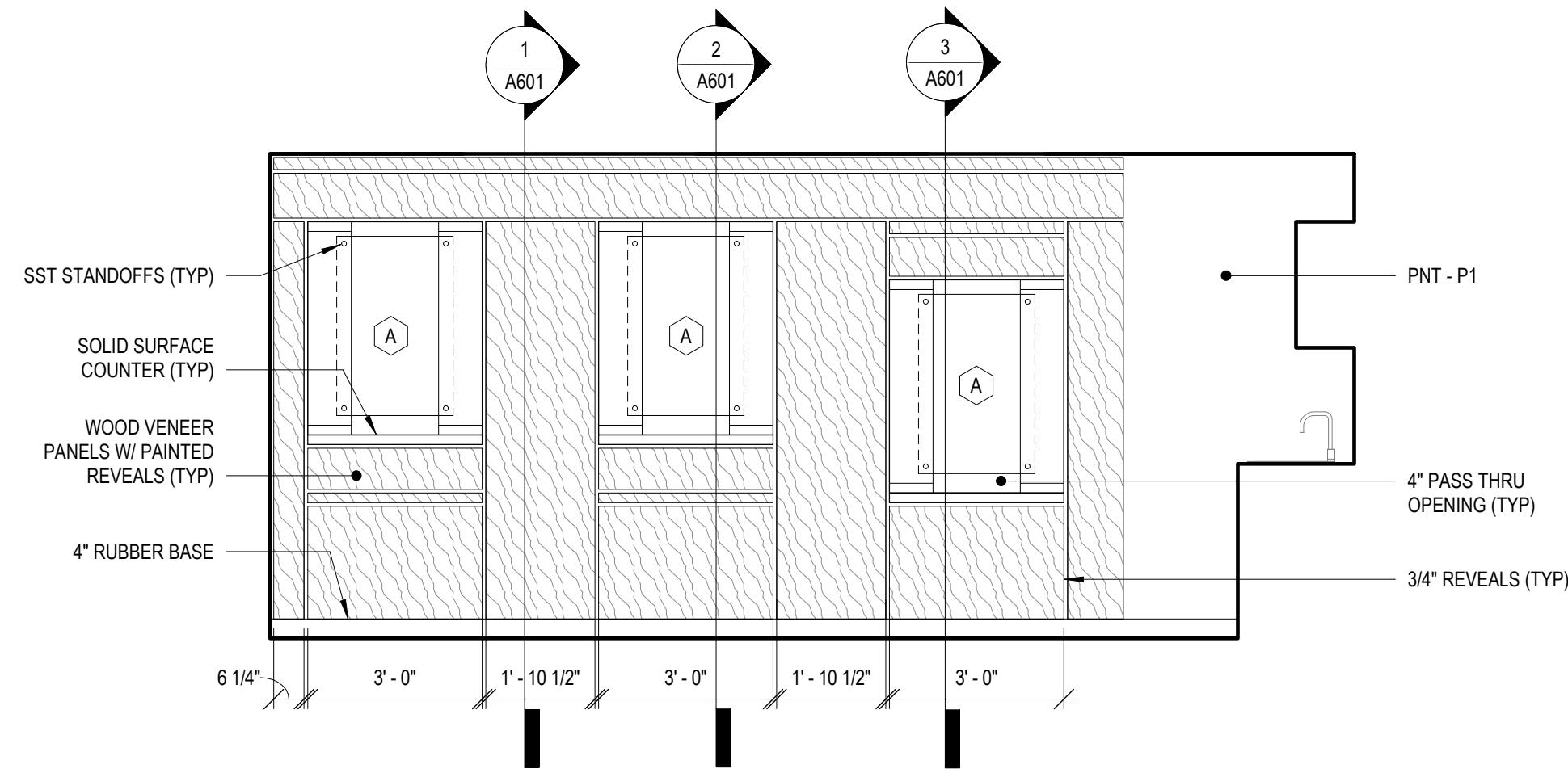
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DATE: 10/2/2024 SHEET NO:
 PROJECT NO: 2416 **A161**

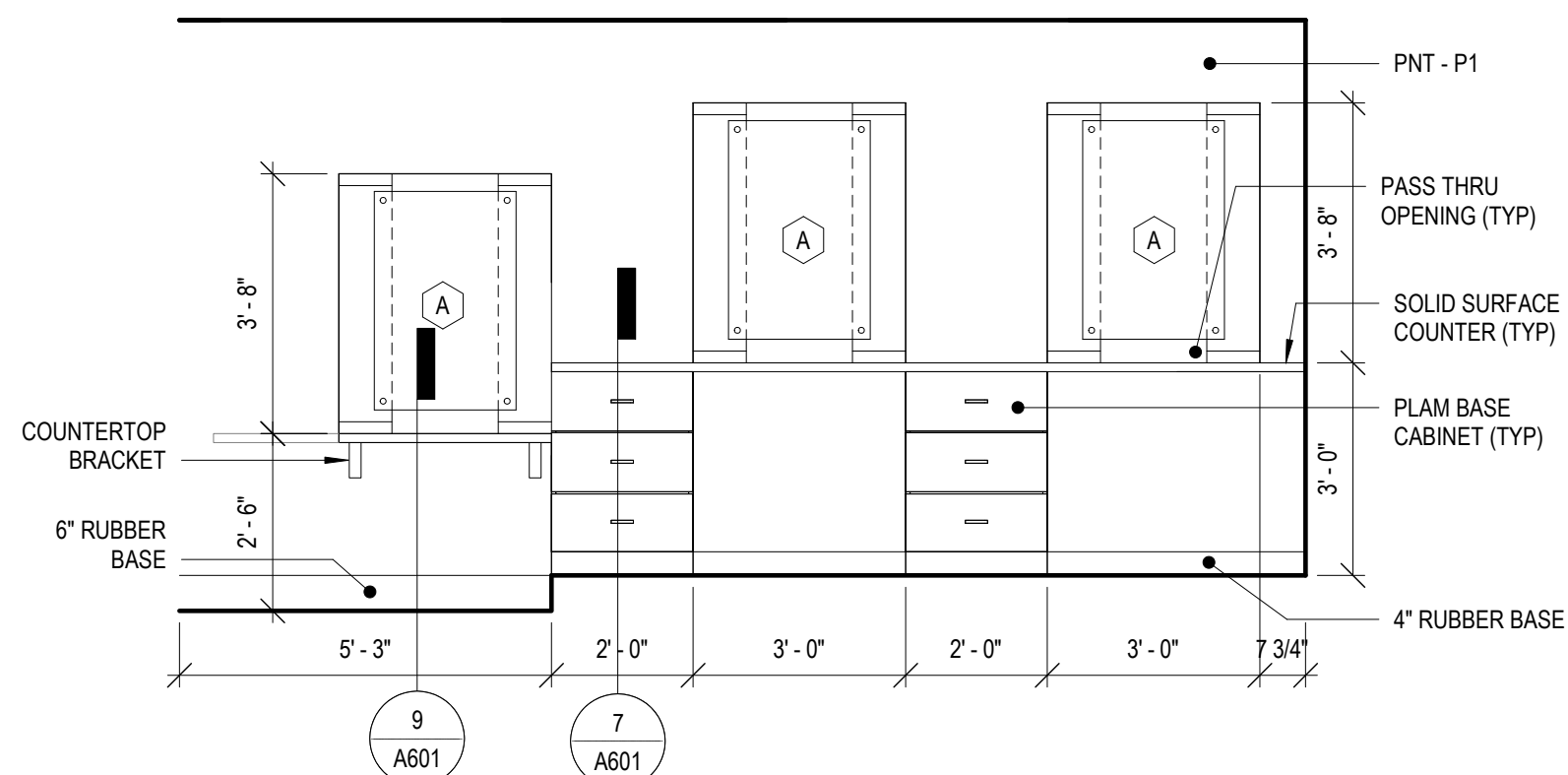


1 TYPICAL ELEVATION HEIGHTS
A401

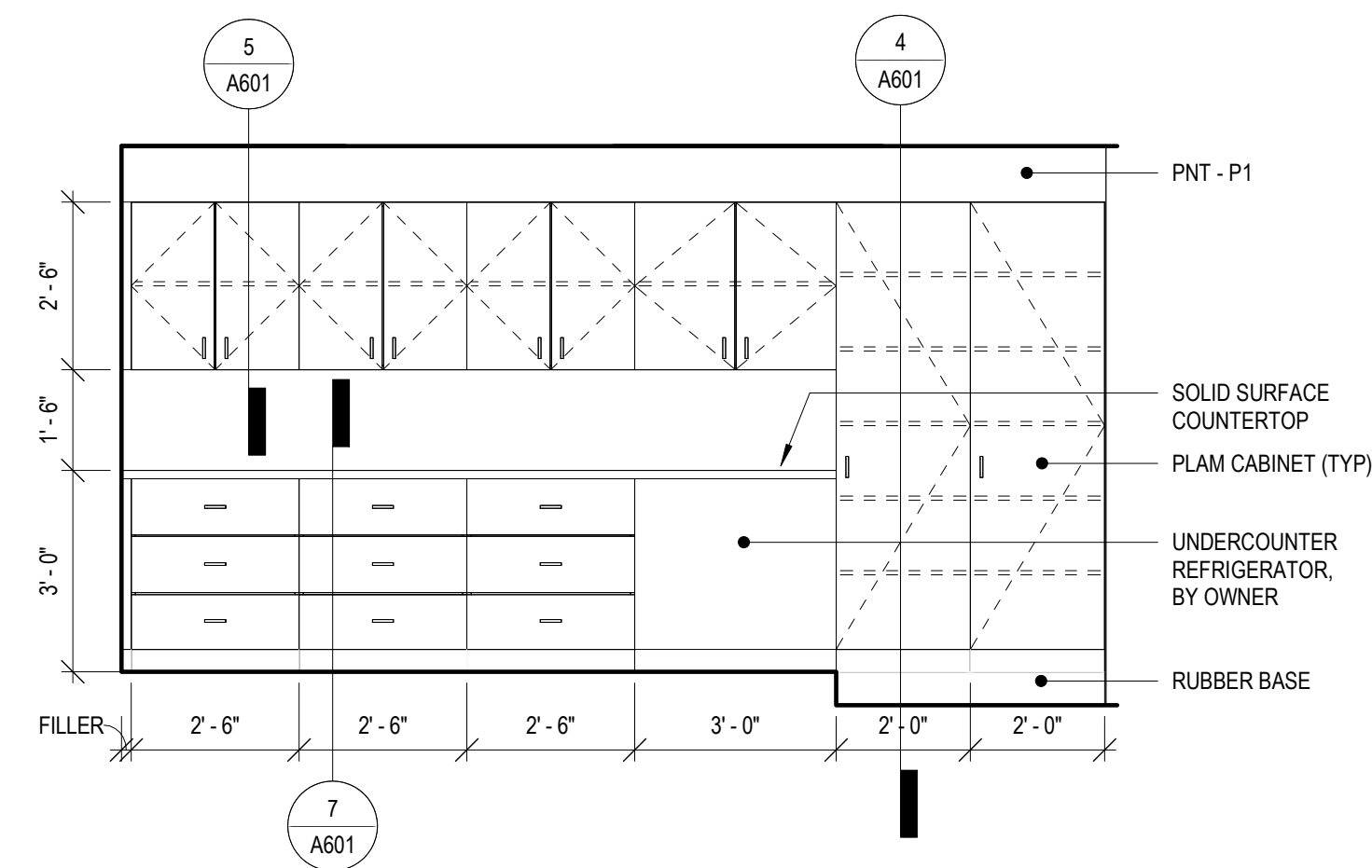
NOTE: PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES



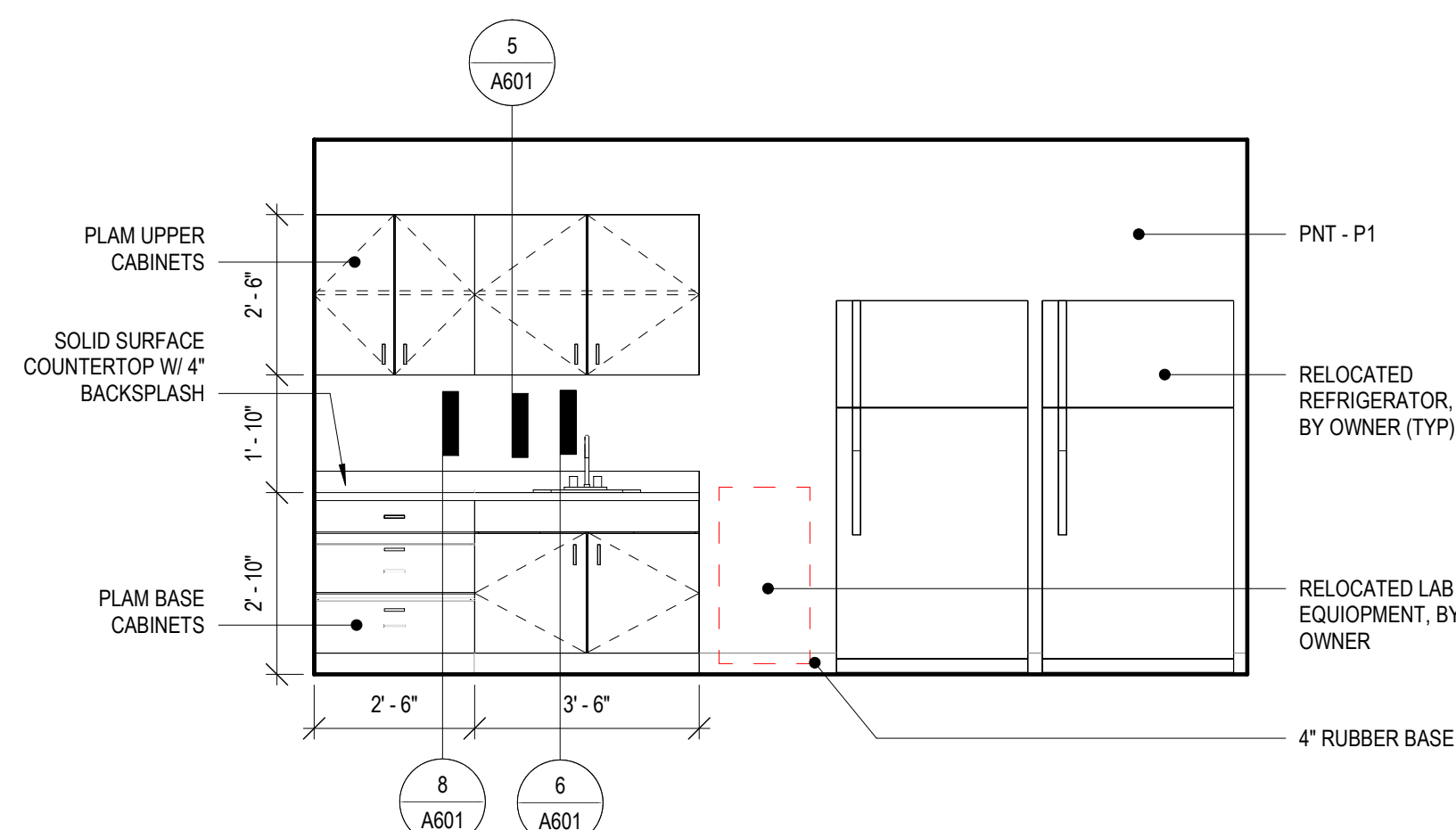
2 WAITING - EAST INTERIOR ELEVATION
A401



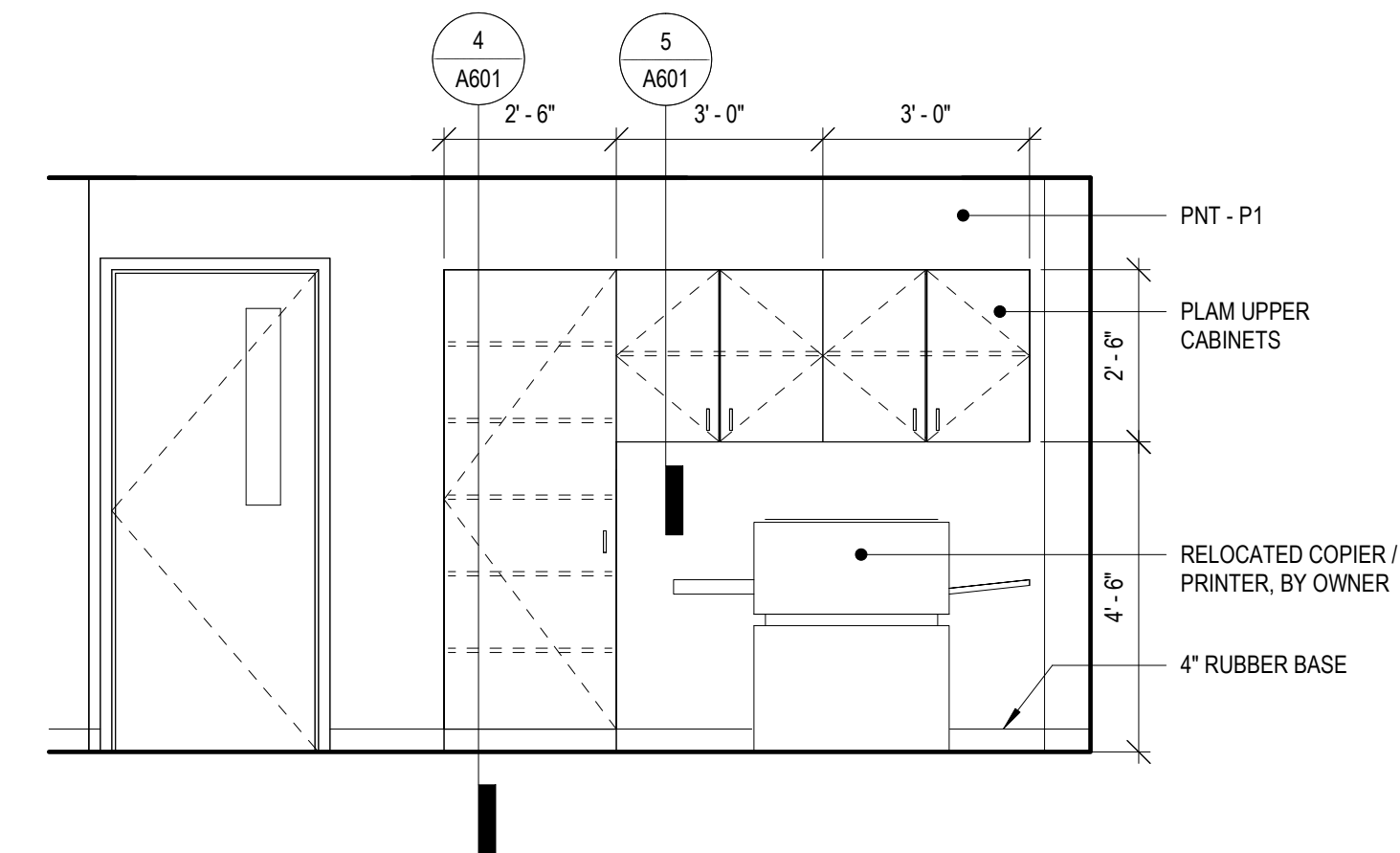
3 MEDICAL - WEST INTERIOR ELEVATION
A401



4 MEDICAL - EAST INTERIOR ELEVATION
A401



5 LAB - NORTH INTERIOR ELEVATION
A401



6 SUPPORT - NORTH INTERIOR ELEVATION
A401

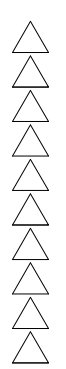


**MESA COUNTY
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FACILITY - LAB
REMODEL**

650 SOUTH AVENUE
GRAND JUNCTION, COLORADO

**INTERIOR
ELEVATIONS**

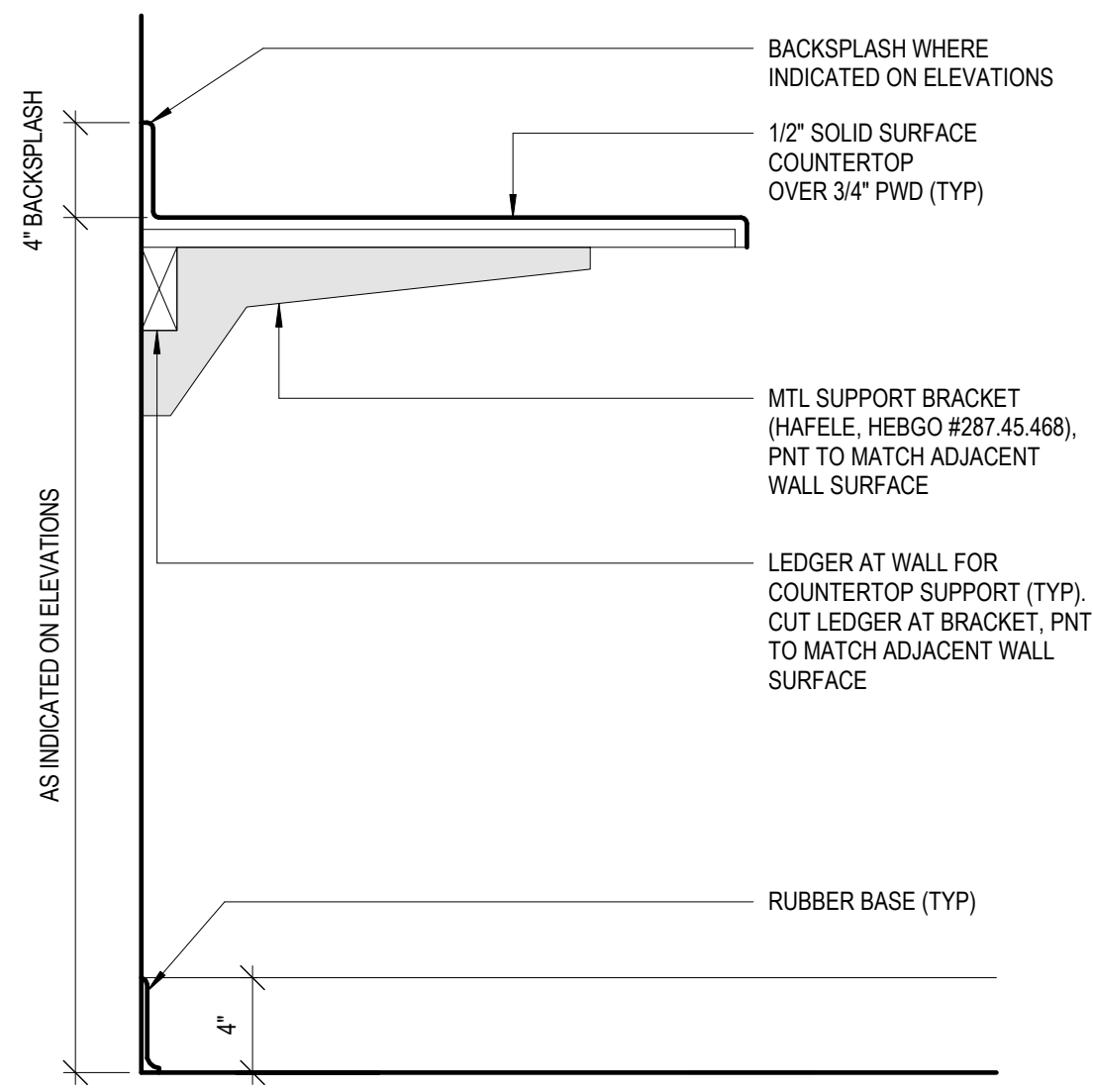
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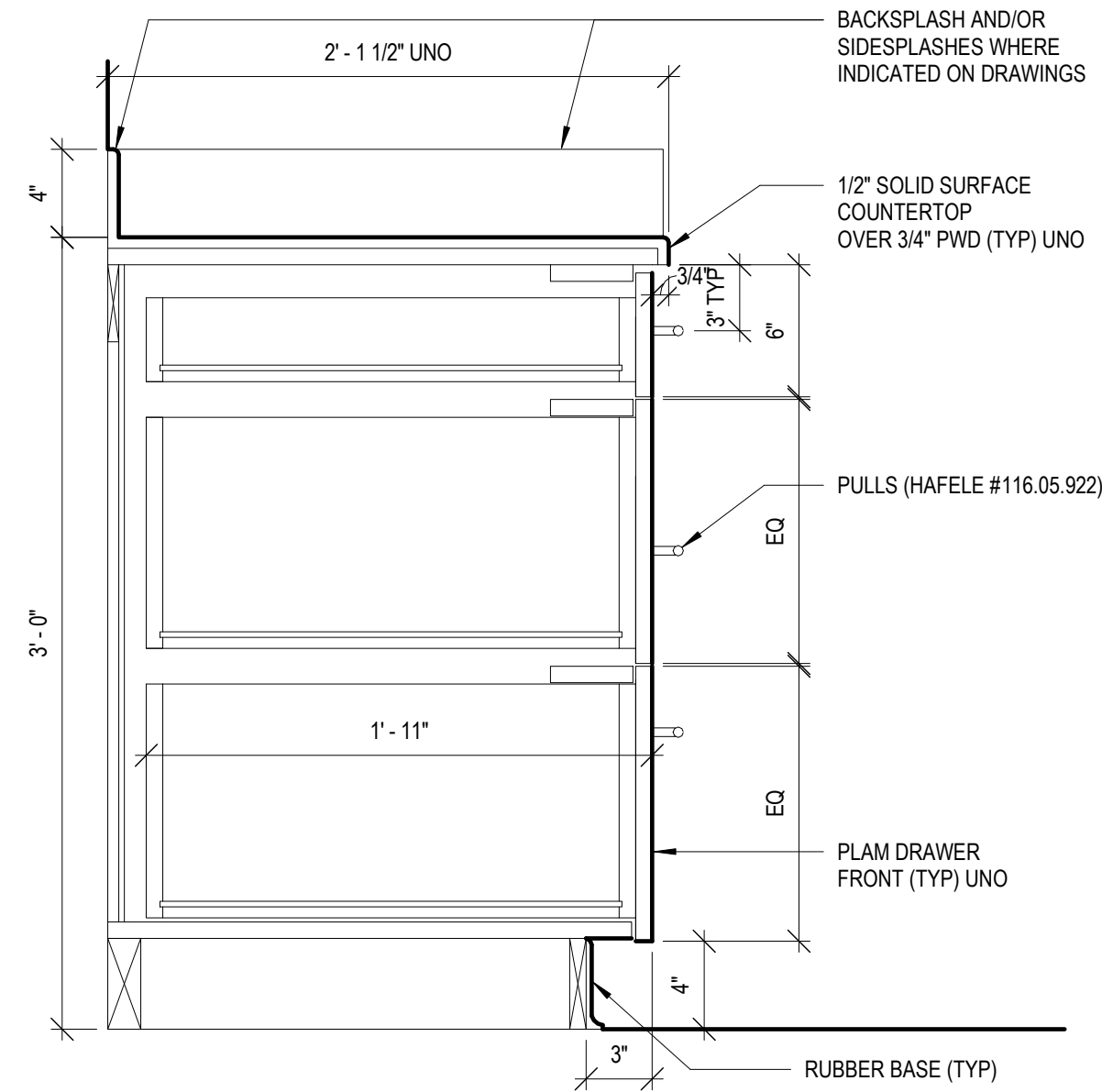
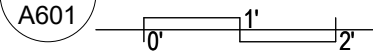
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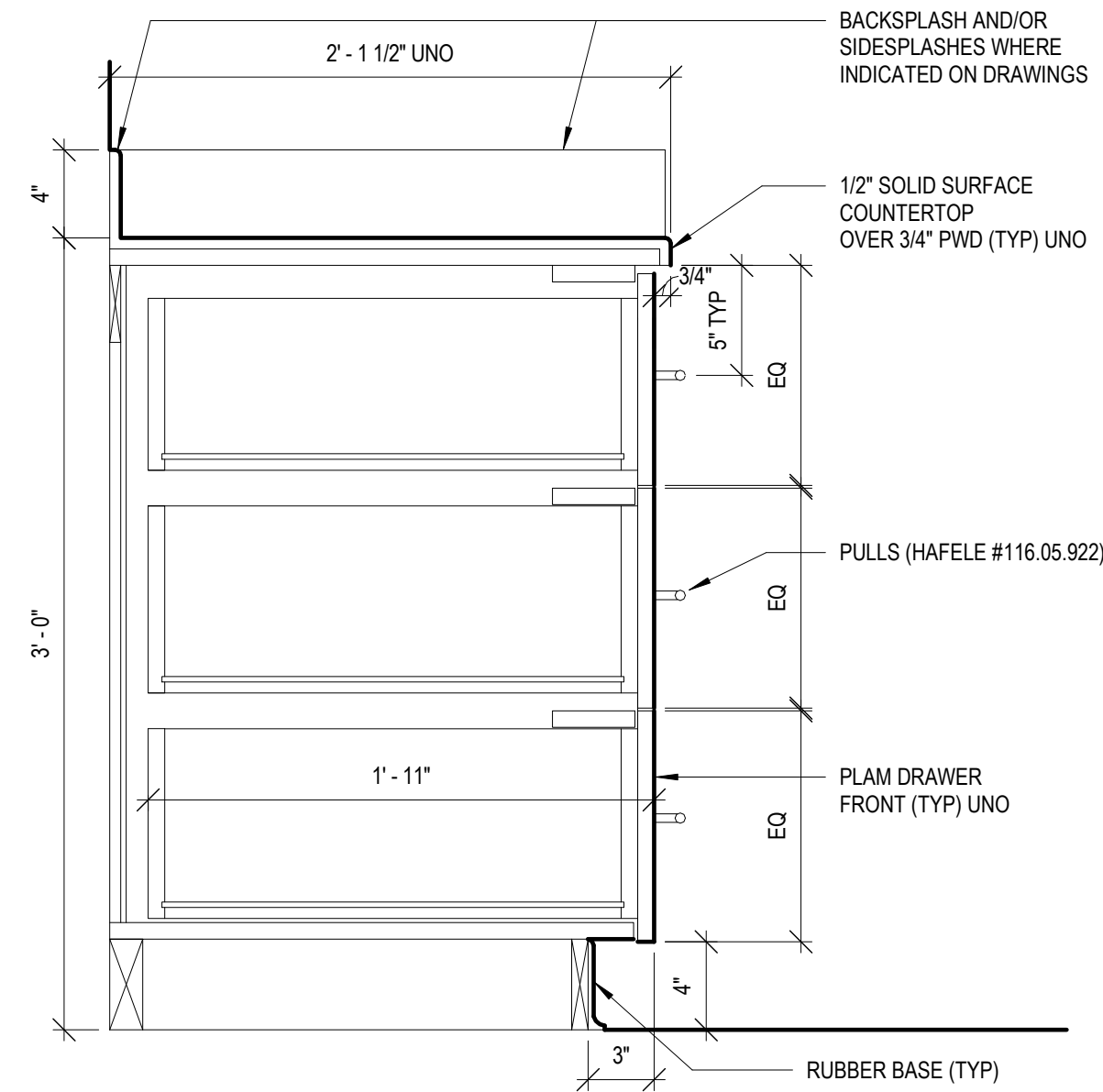
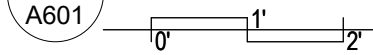
PROJECT NO:
2416 **A401**



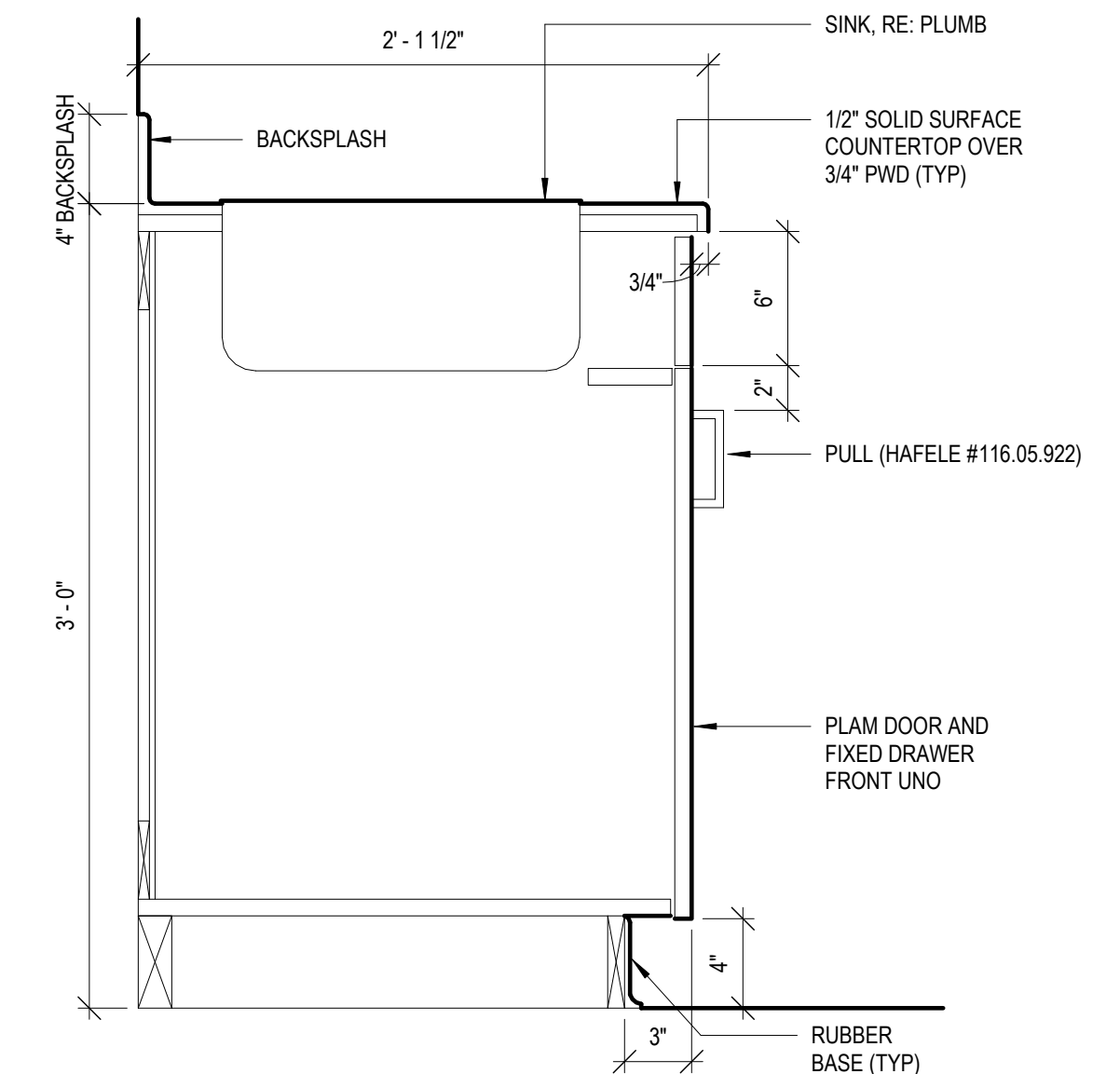
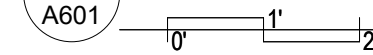
9 CASEWORK SECTION - WORK SURFACE



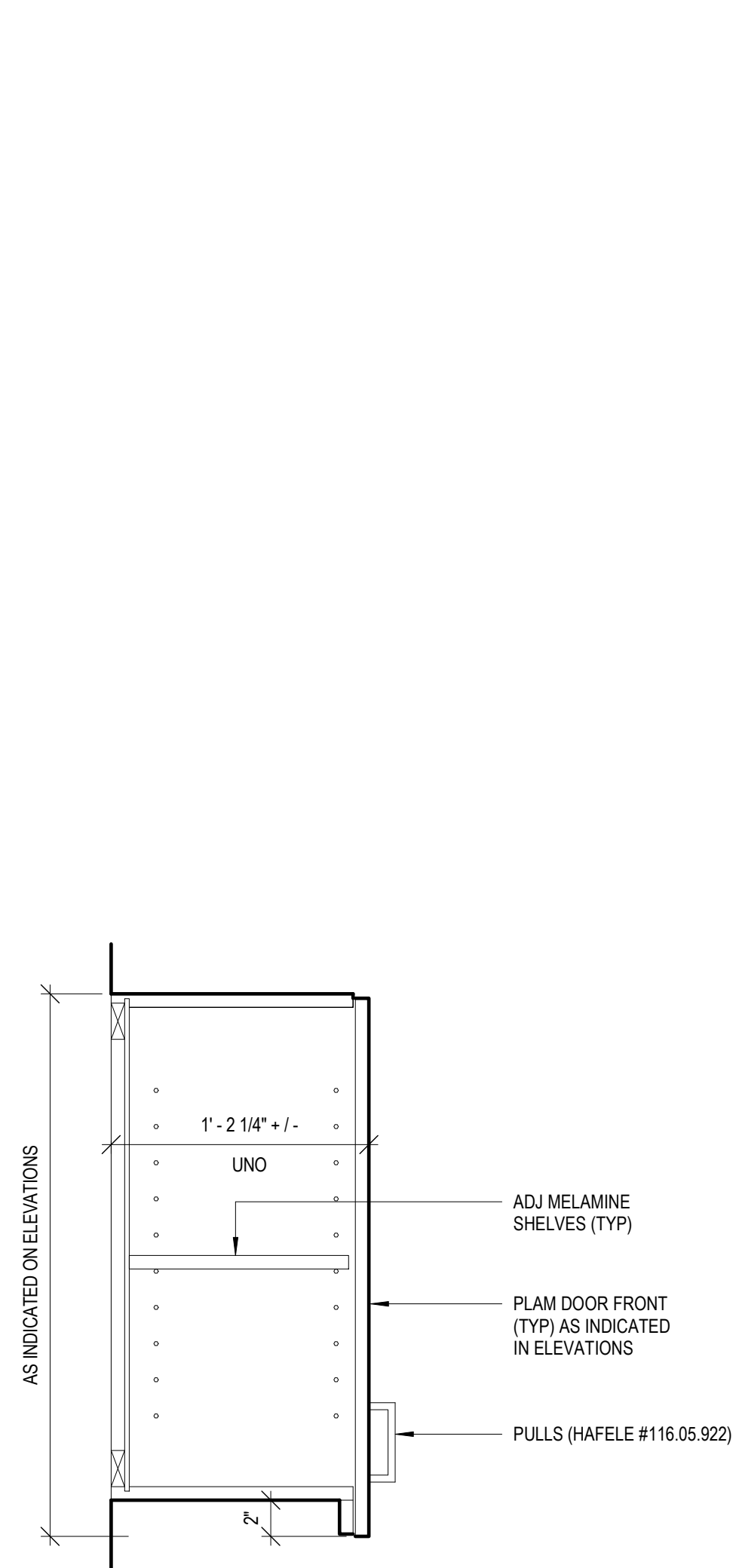
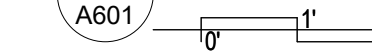
8 CASEWORK SECTION - BASE - DRAWERS (3)



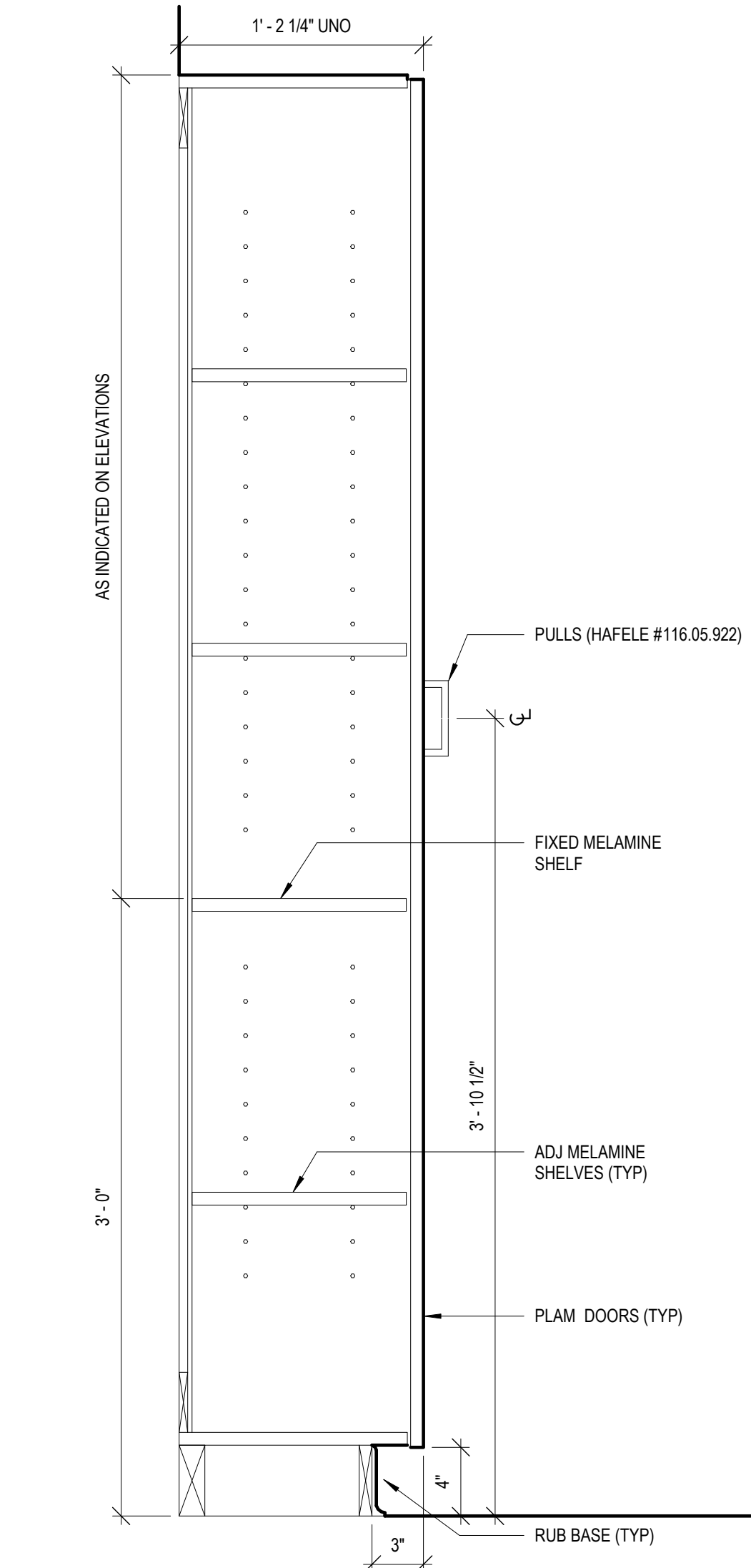
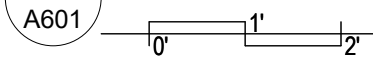
7 CASEWORK SECTION - BASE - DRAWERS (3 EQ)



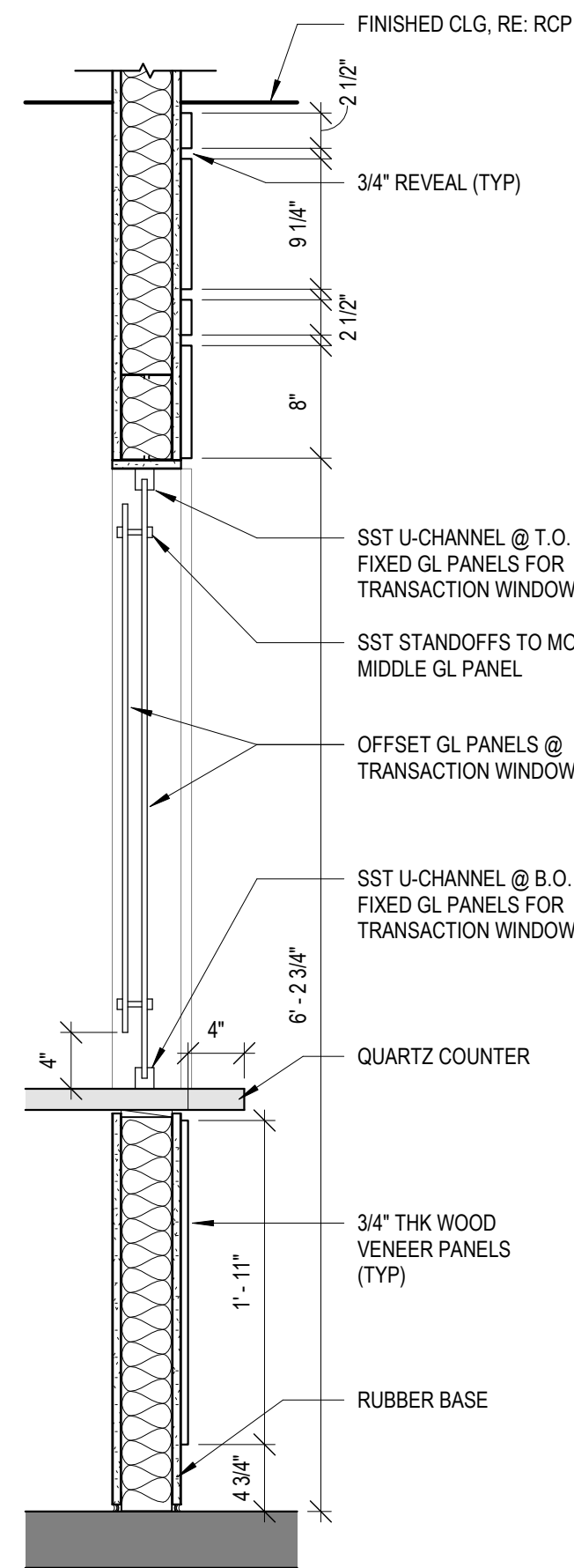
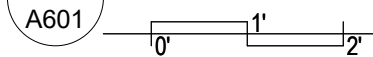
6 CASEWORK SECTION - BASE - SINK



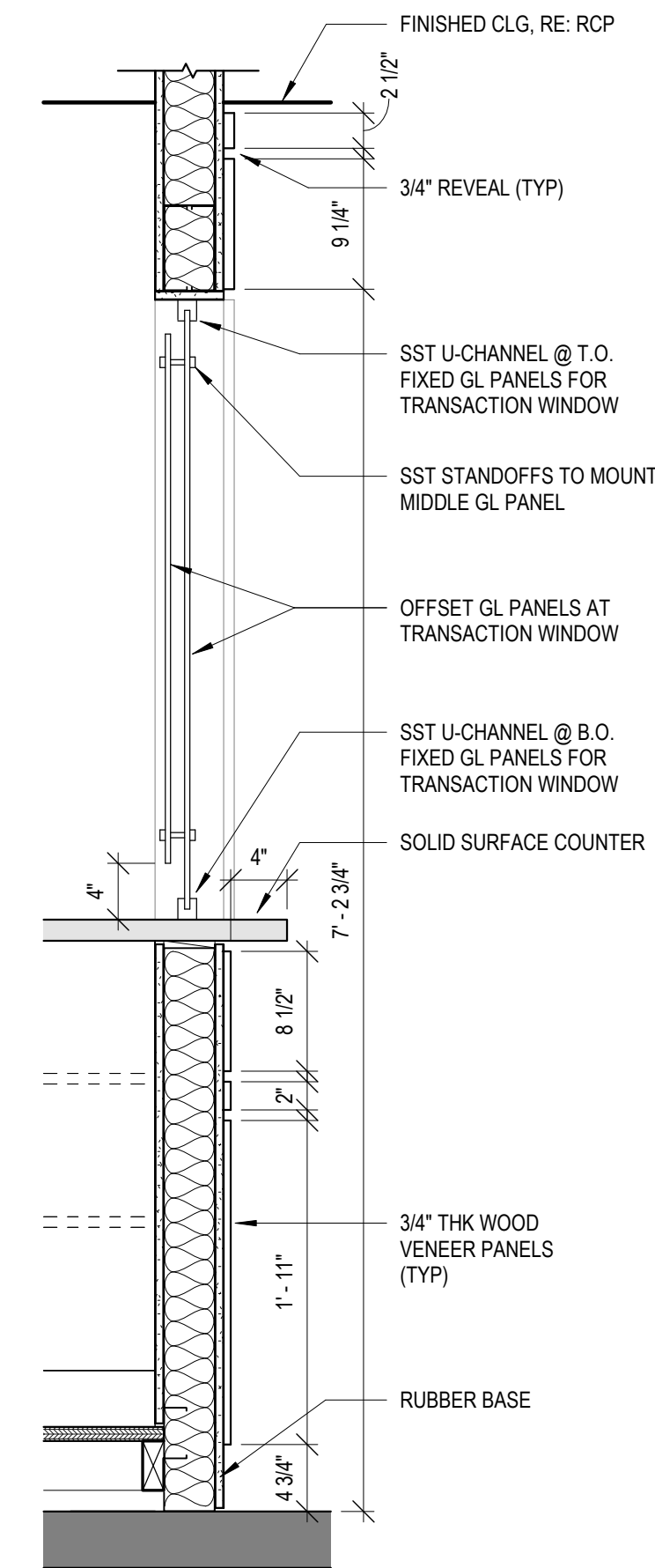
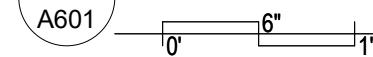
5 CASEWORK SECTION - UPPER - DOORS



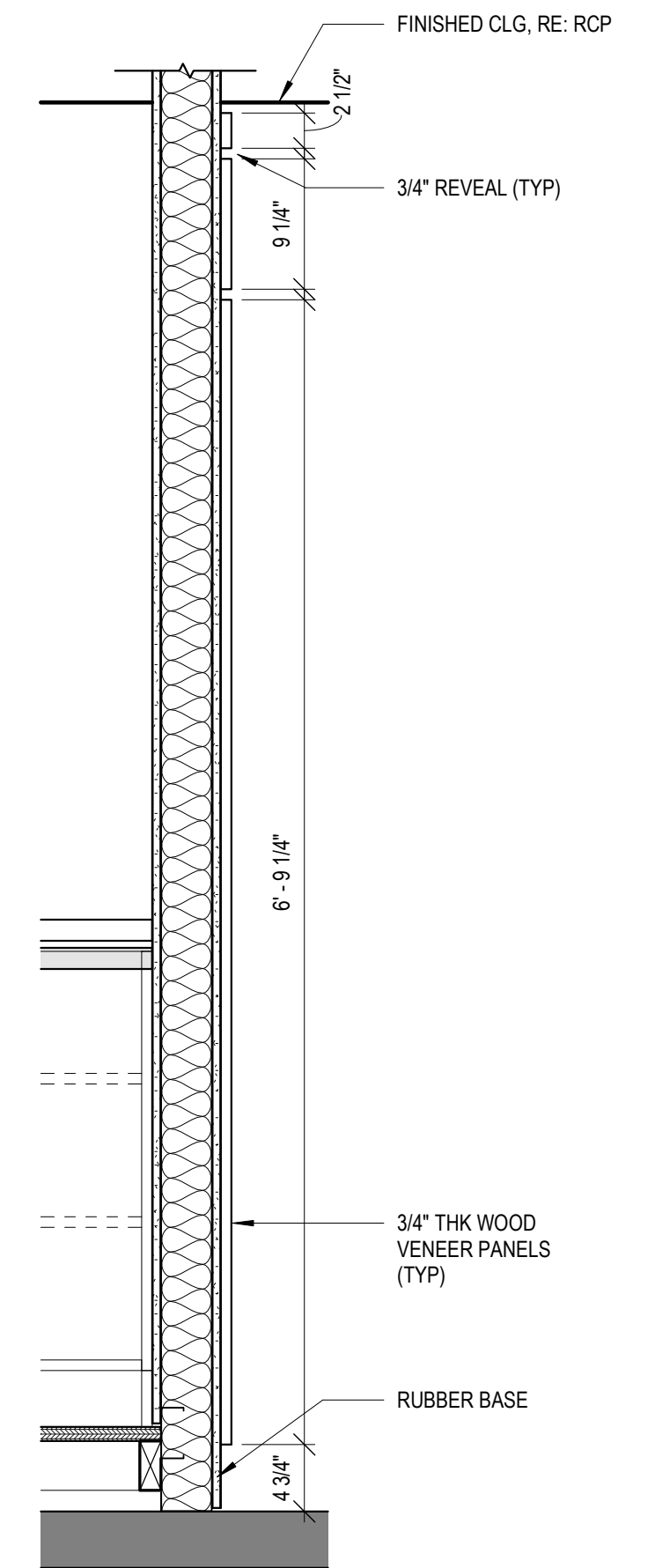
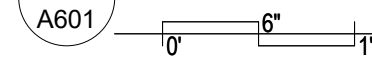
4 CASEWORK SECTION - TALL - CABINET SHELVES



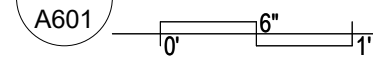
3 INTERIOR DETAIL C



2 INTERIOR DETAIL B



1 INTERIOR DETAIL A



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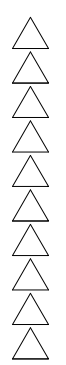


MESA COUNTY CORRECTIONS FACILITY - LAB REMODEL

650 SOUTH AVENUE
GRAND JUNCTION, COLORADO

INTERIOR DETAILS

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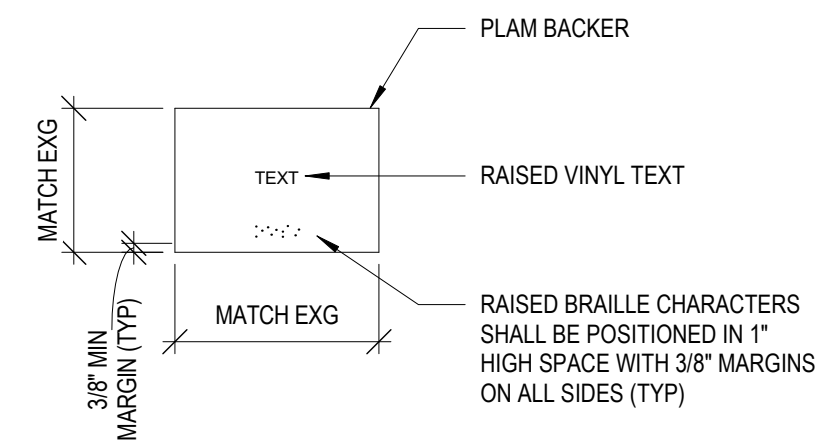
PROJECT NO:

2416

A601

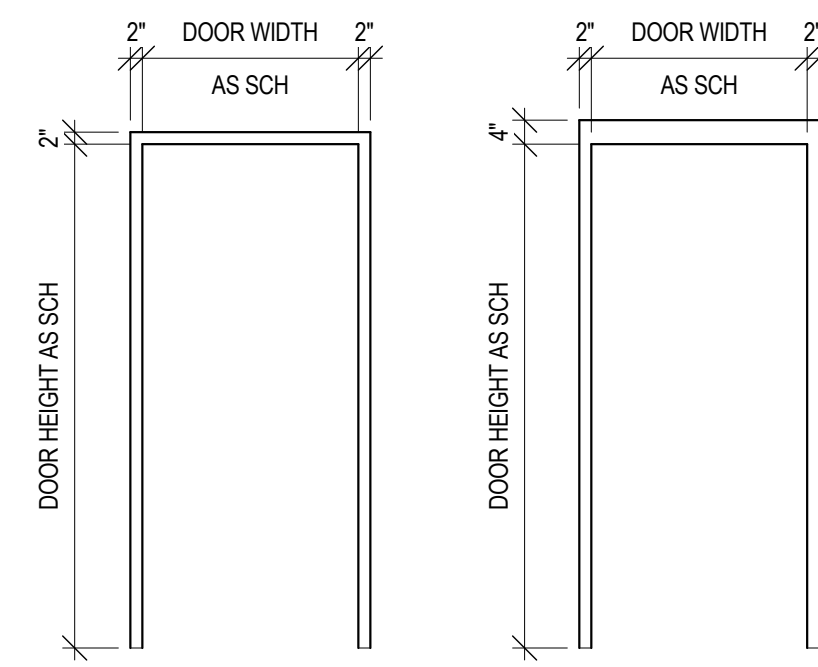
DOOR SCHEDULE														
DOOR NO.	DOOR					FRAME					HDWR SET	NOTES	SIGNAGE	
	W	H	T	MATERIAL	TYPE	MATERIAL	TYPE	DETAIL					SIGN TYPE	TEXT
								HEAD	JAMB	SILL				
001	3'-0"	7'-0"	1 3/4"	WD	B	HM	2	3/A701	4/A701		1	3-HR RATED DOOR ASSEMBLY	A	MEDICATION ROOM
002	3'-0"	7'-0"	1 3/4"	WD	A	HM	1	1/A701	2/A701		2		A	LABORATORY
003	3'-0"	7'-0"	1 3/4"	WD	B	HM	1	1/A701	2/A701		2		A	LABORATORY

SIGN TYPE



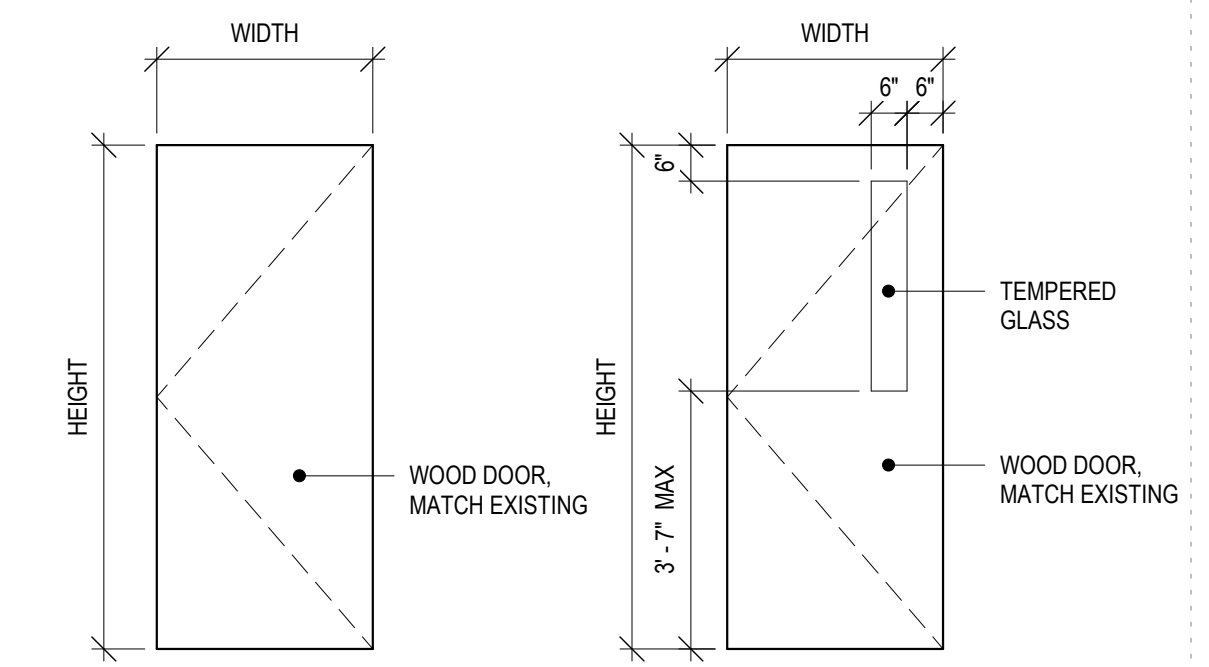
A - ROOM ID

FRAME TYPES



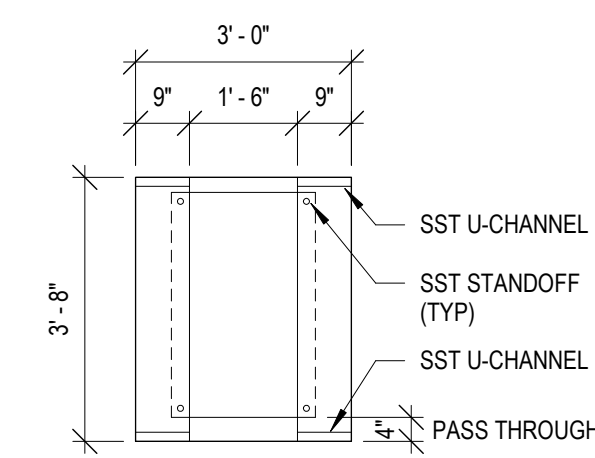
1 2

DOOR TYPES



A B

WINDOW TYPES

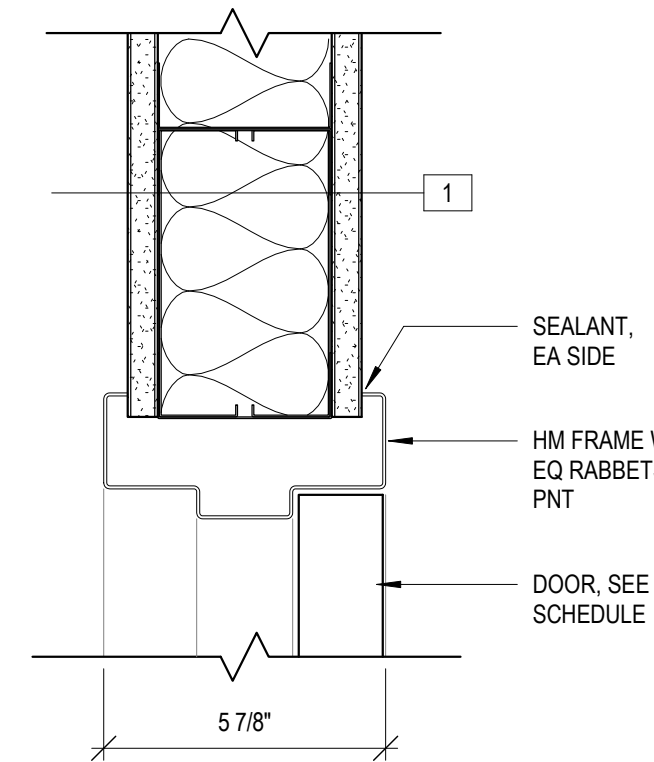


A

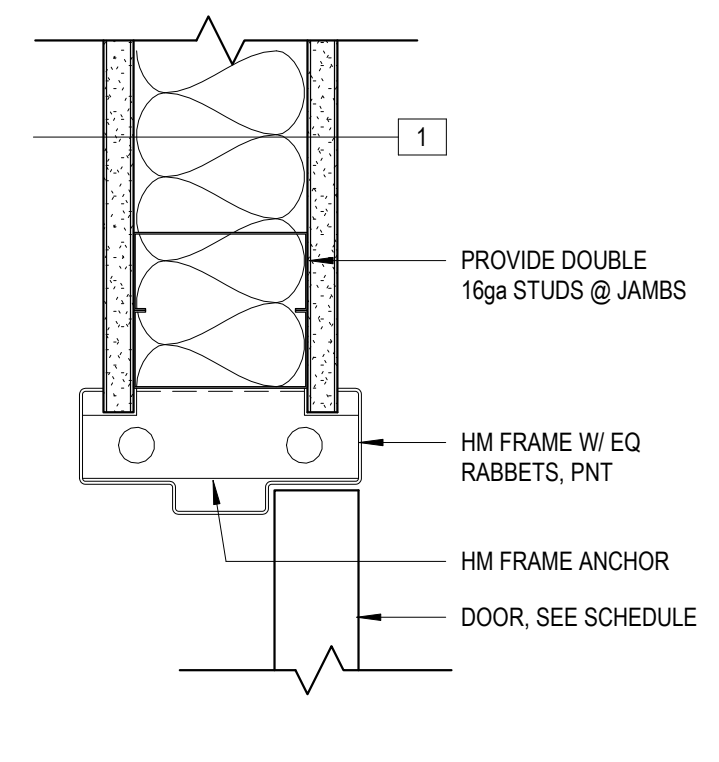
HARDWARE SCHEDULE

- SET #1**
- 3 BUTT HINGES
 - LEVER TRIM WITH STOREROOM LOCKSET
 - DOOR CLOSER
 - KICKPLATE
 - SMOKE SEALS
- SET #2**
- 3 BUTT HINGES
 - ELECTRONIC LOCKSET W/ KEY CARD ACCESS
 - DOOR CLOSER
 - SILENCERS

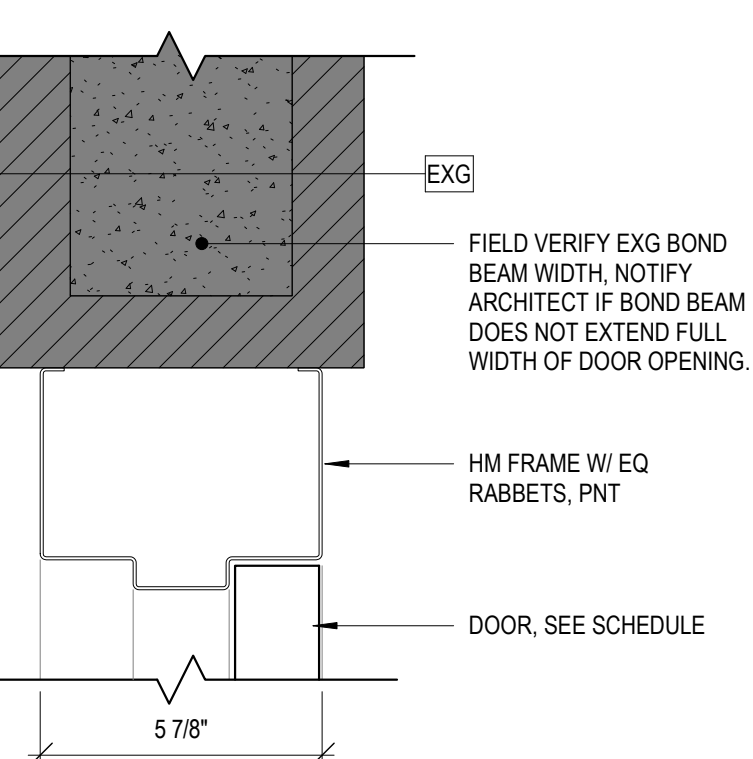
NOTES: MATCH EXISTING PRODUCTS & FINISHES



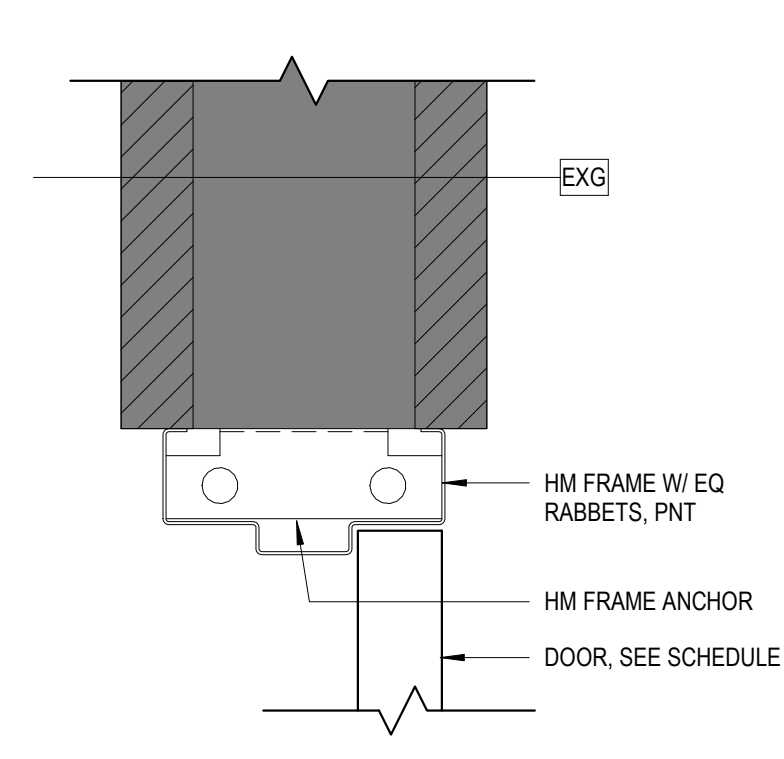
1 HM DOOR HEAD DTL
A701



2 HM DOOR JAMB DTL
A701



3 HM DOOR HEAD DTL @ EXG
A701



4 HM DOOR JAMB DTL @ EXG
A701



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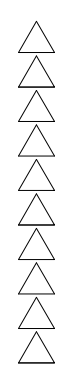


MESA COUNTY
CORRECTIONS
FACILITY - LAB
REMODEL

650 SOUTH AVENUE
GRAND JUNCTION, COLORADO

DOOR SCHEDULE,
DOOR & FRAME
TYPES, WINDOW
TYPES & DETAILS

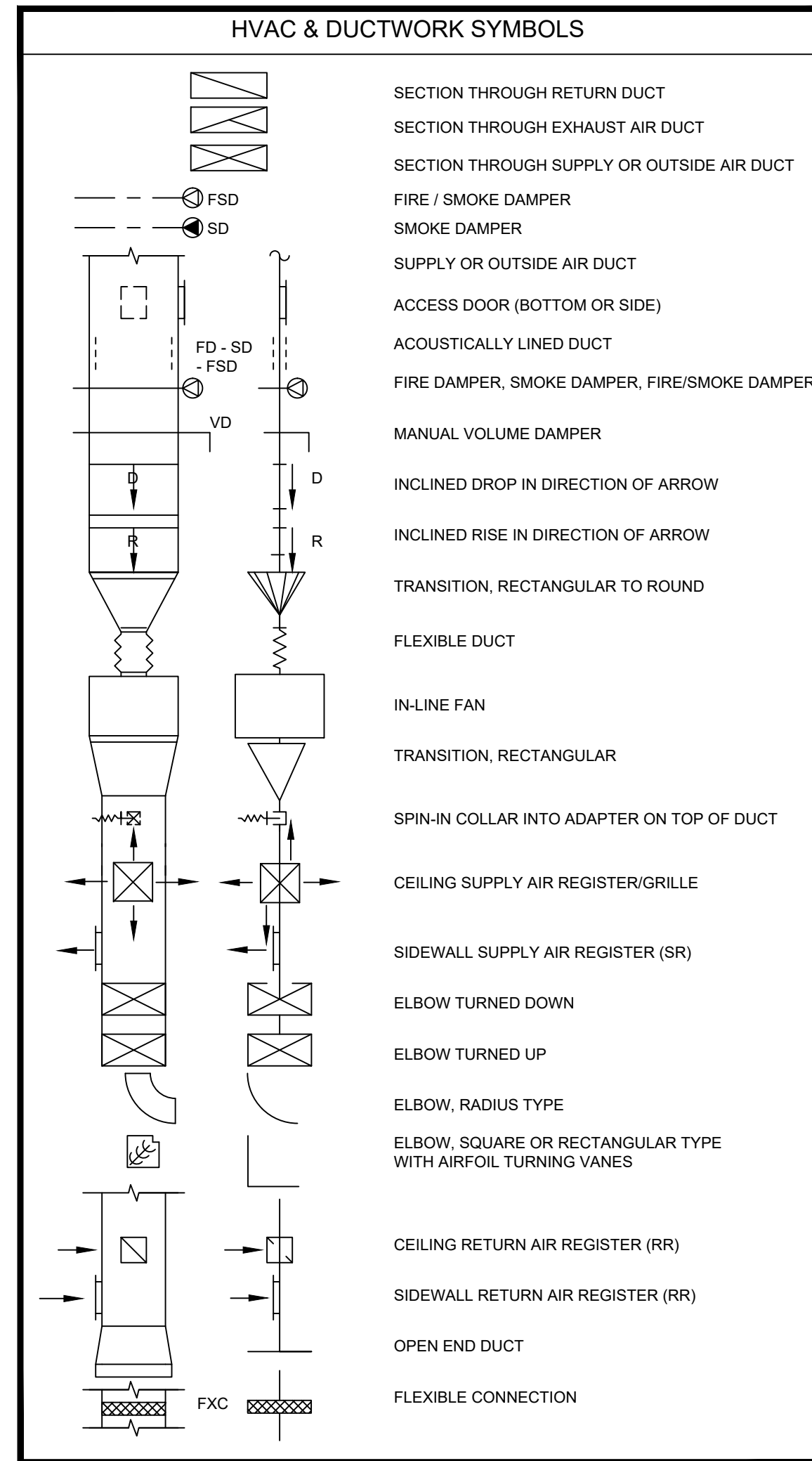
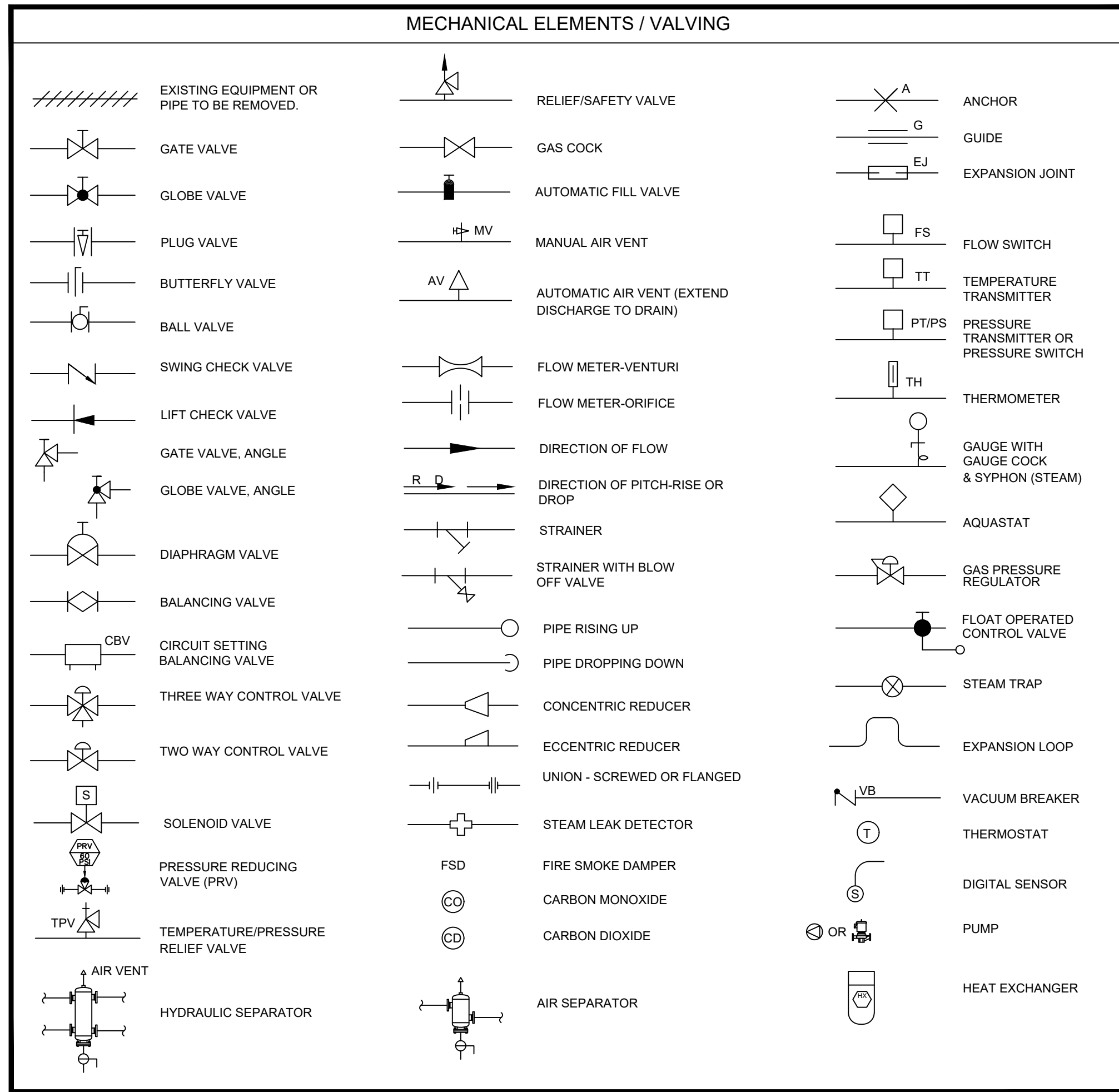
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PROJECT NO: 2416 A701



LINE DESIGNATION SYMBOLS

CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CA	COMPRESSED AIR
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
D	DRAIN
HPR	HEAT PUMP RETURN
HPS	HEAT PUMP SUPPLY
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BMT	BASEMENT
BTU	BRITISH THERMAL UNIT
C	CHILLER
CAFCI	COMBINATION ARC FAULT CIRCUIT INTERRUPTERS
CAP	CAPACITY
R	REFRIGERANT LIQUID AND VAPOR LINE
RS	REFRIGERANT SUCTION / VAPOR
SMR	SNOWMELT RETURN
SMS	SNOWMELT SUPPLY
V	VENT PIPING
●	POINT OF CONNECTION OF NEW TO EXISTING

RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER WIRED	CONTROL WIRED
EQUIPMENT	23	23	26	--
COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS	23(1)	26	26(2)	23
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS	26	26	26	--
MANUAL-OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP SWITCHES	23	23(2)	--	23(2)
FUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)	--	23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

SUBSCRIPT FOOTNOTES:

- MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1) NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.
- IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23. CONNECT UNDER DIVISION 26.

ABBREVIATIONS:

44" MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE	DIA DIAMETER	HP HORSEPOWER	PTAC PACKAGED TERMINAL AIR CONDITIONER
A AMPS	DIAG DIAGRAM	HR HOUR	PV PLUG VALVE
AD ACCESS DOOR	DIFF DIFFERENTIAL	HT HEIGHT	PVC POLYVINYL CHLORIDE
AV AIR ADMITTANCE VALVE	DISCH DISCHARGE	HTR HEATER	QTY QUANTITY
ABV ABOVE	DIV DIVISION	HWR HEATING WATER RETURN	RA RETURN AIR GRILLE / REGISTER
AC AIR CONDITIONING UNIT	DN DOWN	HWS HEATING WATER SUPPLY	RCR REFLECTED CEILING PLAN
AC ABOVE COUNTER	DS DUCT SILENCER	HX HEAT EXCHANGER	RD ROOF DRAIN
AD AREA DRAIN (SEE SYMBOLS)	DWG DRAWING	HZ HERTZ	REL RELIEF
A.F.C. ABOVE FINISHED CEILING	DX DIRECT EXPANSION	ID INSIDE DIAMETER	REQD REQUIRED
A.F.G. ABOVE FINISHED GRADE	(E) EXISTING	IG ISOLATED GROUND	RF RETURN FAN
AIC AMPERE INTERRUPTING CAPACITY	EA EXHAUST AIR GRILLE/REGISTER	IN INCHES	RH RELATIVE HUMIDITY
AFCI ARC FAULT CIRCUIT INTERRUPTERS	EAT ENTERING AIR TEMPERATURE	INV INVERT	RHC REHEAT COIL
A.F.F. ABOVE FINISHED FLOOR	EC ELECTRICAL CONTRACTOR	JBOX JUNCTION BOX	RLA RATED LOAD AMPS
AHU AIR HANDLING UNIT	ECC ECCENTRIC	K KELVIN	RM ROOM
ALUM ALUMINUM	EFF EXHAUST FAN	KW KILOWATT	RPM REVOLUTIONS PER MINUTE
AP ACCESS PANEL OR DOOR	EFF EFFICIENCY	KVA KVA	SA SUPPLY AIR GRILLE / REGISTER
ATS AUTOMATIC TRANSFER SWITCH	EL ELEVATION	L LENGTH	SC SHORT CIRCUIT
AV AUDIO / VIDEO	ELEC ELECTRIC	LAT LEAVING AIR TEMPERATURE	SCA SHORT CIRCUIT AVAILABLE
AVG AVERAGE	ELEV ELEVATOR	LV LAVATORY	SCCR SHORT CIRCUIT CURRENT RATING
AWG AMERICAN WIRE GAGE	EM EMERGENCY FUNCTION	LB POUND	SCH SCHEDULE
BAS BUILDING AUTOMATION SYSTEM	ENT ENTERING	LD LINEAR DIFFUSER	SD SMOKE DAMPER
BB BASEBOARD	EMT ELECTRIC METALLIC TUBE	LF LINEAR FEET	SEF SMOKE EXHAUST FAN
BD BACK DRAFT DAMPER	EQU EQUIPMENT	LN LINEAR	SF SUPPLY FAN
BFP BACK FLOW PREVENTOR	EQUIV EQUIVALENT	LIQ LIQUID	SH SENSIBLE HEAT
BL BOILER	ES END SWITCH	LRA LOCKED ROTOR AMPS	SH SHOWER
BLDG BUILDING	ESP EXTERNAL STATIC PRESSURE	LV LOUVER	SP STATIC PRESSURE
BLW BELOW	ET EXPANSION TANK	LVG LEAVING	SPD SURGE PROTECTION DEVICE
BOB BOTTOM OF BEAM	EWC ELECTRIC WATER COOLER	LWT LEAVING WATER TEMPERATURE	SPEC SPECIFICATION
BOD BOTTOM OF DUCT	EWT ENTERING WATER TEMPERATURE	MBH THOUSANDS OF BTU PER HOUR	SQ SQUARE
BOP BOTTOM OF PIPE	EX EXHAUST	MC MECHANICAL CONTRACTOR	SS STAINLESS STEEL
BMT BASEMENT	EX EXHAUST	MCA MINIMUM CIRCUIT AMPACITY	SS SAFETY SHOWER
BTU BRITISH THERMAL UNIT	EXPAN EXPANSION	MCB MAIN CIRCUIT BREAKER	STD STANDARD
C CHILLER	F DEGREES FAHRENHEIT	MD MOTORIZED DAMPER	STL STEEL
CAFCI COMBINATION ARC FAULT CIRCUIT INTERRUPTERS	FA FREE AREA	MDP MAIN DISTRIBUTION PANEL	SYS SYSTEM
CAP CAPACITY	FC FAN COIL UNIT	MED MEDIUM	TEMP TEMPERATURE
R	FC FAN COIL UNIT	MFR MANUFACTURER	TR TRANSFER GRILLE / REGISTER
CB CIRCUIT BREAKER	FC FOOTCANDLE	MIN MINIMUM	TR TAMPER RESISTANT
CBV CIRCUIT BALANCING VALVE	FCV FLOW CONTROL VALVE	MISC MISCELLANEOUS	TT TEMPERATURE TRANSMITTER
CCT CORRELATED COLOR TEMPERATURE	FD FIRE DAMPER	MLO MAIN LUG ONLY	TB TELECOMMUNICATIONS TERMINAL BACKBOARD
CKT CIRCUIT	FD FLOOR DRAIN	MOCP MAXIMUM OVERCURRENT PROTECTION	TYP TYPICAL
CFH CUBIC FEET PER HOUR	FIN FINISHED	MTD MOUNTED	TX TRANSFORMER
CFM CUBIC FEET PER MINUTE	FLA FULL LOAD AMPS	MUA MAKE-UP AIR UNIT	UC UNDERCUT DOOR
CHWR CHILLED WATER RETURN	FLEX FLEXIBLE	N NEUTRAL	UH UNIT HEATER
CHWS CHILLED WATER SUPPLY	FLR FLOOR	NC NORMALLY CLOSED	UNO UNLESS NOTED OTHERWISE
CHWS CHILLED WATER SUPPLY	FOB FLAT ON BOTTOM	NEG NEGATIVE	UNOCC UNOCCUPIED
CI CAST IRON	FOT FLAT ON TOP	NIC NOT IN CONTRACT	UR URINAL
CL CENTER LINE	FP FIRE PROTECTION	NL NIGHT / SECURITY LIGHT - DO NOT SWITCH	V VOLTS
CLG CEILING	FP FIRE PUMP	NO NORMALLY OPEN	VA VOLT AMPERE
CMU CONCRETE MASONRY UNIT	FPM FEET PER MINUTE	NOM NOMINAL	VAV VARIABLE AIR VOLUME UNIT
CO CLEAN OUT	FPS FEET PER SECOND	NTS NOT TO SCALE	VFD VARIABLE FREQUENCY DRIVE
COL COLUMN	FS FLOW SWITCH	OA OUTSIDE AIR	VRF VARIABLE REFRIGERANT FLOW
COMP COMPRESSOR	FSD FIRE/SMOKE DAMPER	OCC OCCUPIED	VOLT VOLTAGE
CONC CONCRETE	FT FEET	OCV OVER CURRENT PROTECTION	VTR VENT THROUGH ROOF
COND CONDENSATE	FXC FLEXIBLE CONNECTION	OD OUTSIDE DIAMETER	W WIDTH
CONN CONNECTION	GND GROUND	OL OVERLOAD	W WATTS
CONT CONTINUATION	GAL GALLON	ORD OVERFLOW ROOF DRAIN	W WITH
CONTR CONTRACTOR	GALV GALVANIZED	OZ OUNCE	WIO WITHOUT
CRI COLOR RENDERING INDEX	GEC GROUND ELECTRODE CONDUCTOR	PBD PARALLEL BLADE DAMPER	WB WET BULB
CT COOLING TOWER	GFCI/ GFI GROUND FAULT CIRCUIT INTERRUPTER	PD PRESSURE DROP	WC WATER COLUMN
CT CURRENT TRANSFORMER	GC GENERAL CONTRACTOR	PH PHASE	WC WATER CLOSET
CU CONDENSING UNIT	GPH GALLONS PER HOUR	POS POSITIVE PRESSURE	WG WATER GAUGE
CU COPPER	GPM GALLONS PER MINUTE	POS POINT OF SALES	WP WEATHERPROOF
CUH CABINET UNIT HEATER	GRS/LB GRAINS PER POUND	PRV PRESSURE REDUCING VALVE	WPIU WEATHERPROOF IN-SUE
CVB CONSTANT VOLUME BOX	H2O WATER	PS PRESSURE SWITCH	WTR WITHSTAND RATING
CWR CONDENSER WATER RETURN	HB HOSE BIBB	PSI POUNDS PER SQUARE INCH	XFMR TRANSFORMER
CWS CONDENSER WATER SUPPLY	HD HEAD (SEE SCHEDULES)	PT PRESSURE TRANSMITTER	
DB DRY BULB	HP HEAT PUMP		
DEPT DEPARTMENT			
DF DRINKING FOUNTAIN			

SUBSTITUTIONS:

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:

- EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.
- EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR TO BID TIME.
- DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING DRAWINGS.
- THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL, PLUMBING, AND ENERGY CONSERVATION CODES. ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.
- WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL.

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.

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Phone: (970) 241-8709

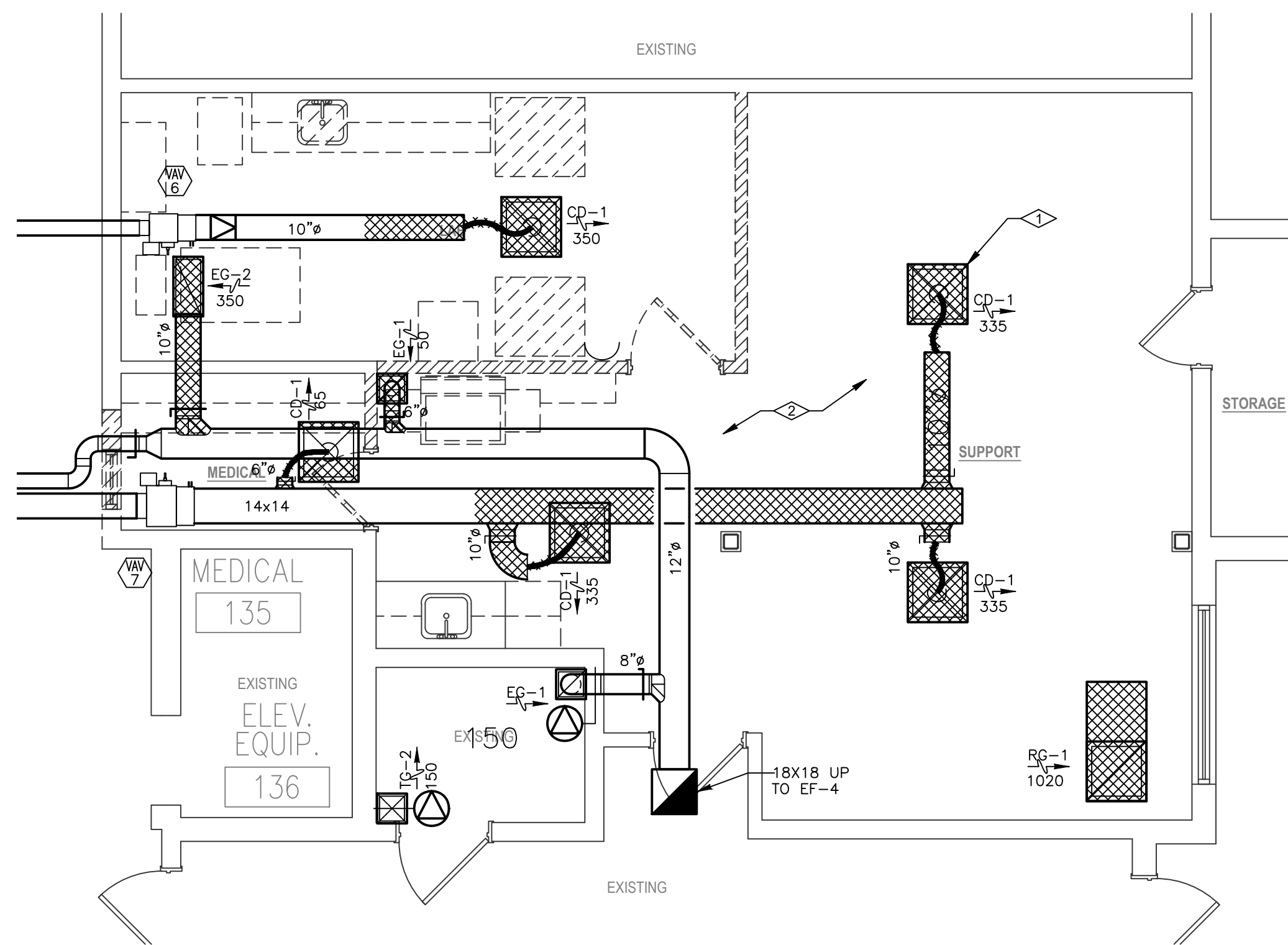
MESA CO. CORRECTIONS FACILITY
MECHANICAL COVER SHEET
650 E. SOUTH AVE.
GRAND JUNCTION, COLORADO

DATE:	ISSUED FOR:
07/19/2024	FINAL REVIEW
09/27/2024	UPDATE
10/02/2024	PERMIT



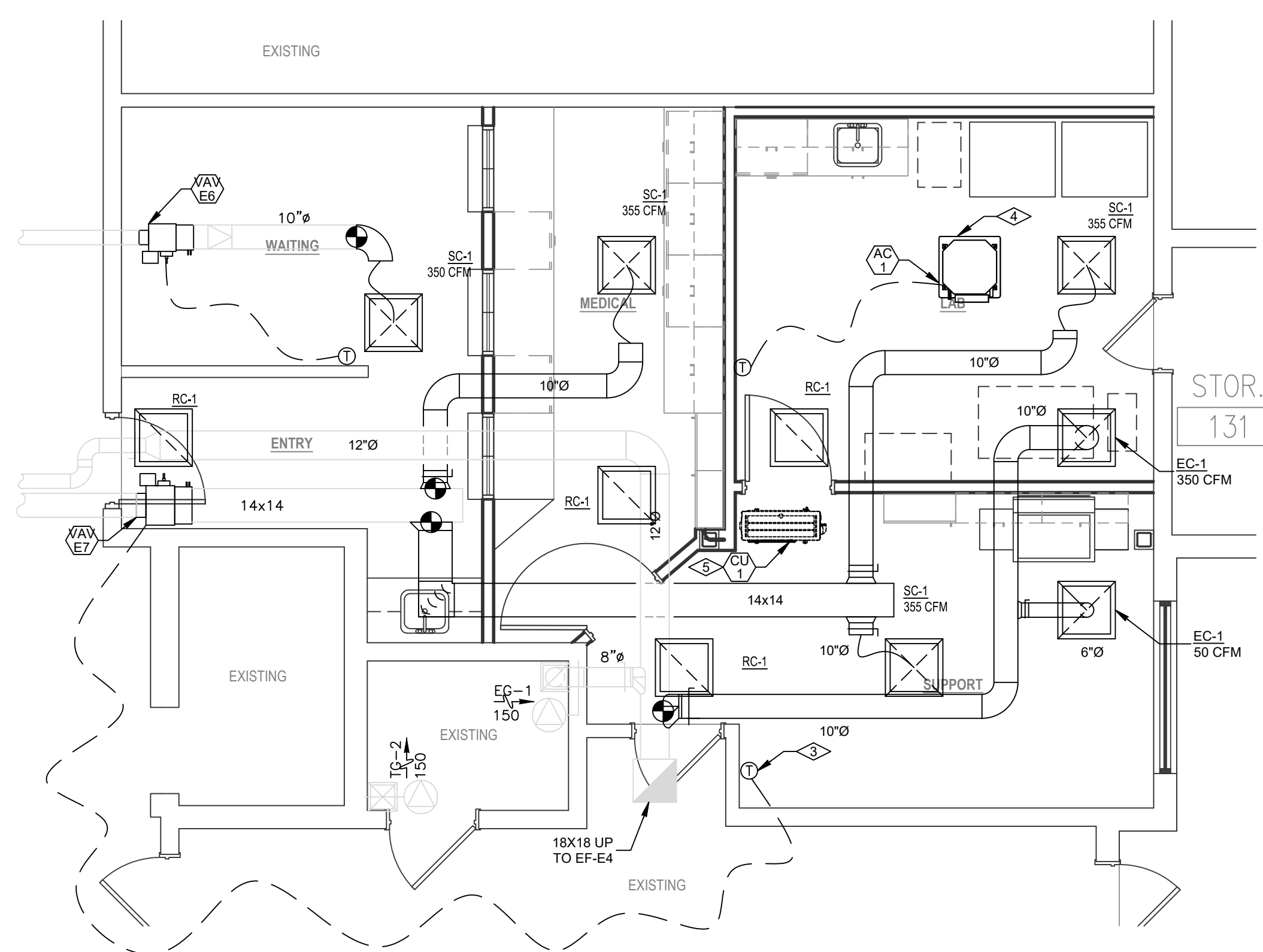
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- GENERAL MECHANICAL NOTES**
1. RECTANGULAR DUCT TO BE GALVANIZED STEEL, LINED & SEALED.
 2. ROUND DUCT TO BE GALVANIZED STEEL, SNAP LOCK OR INSULATED FLEXIBLE DUCT.
 3. S/A & R/A G.R.D. NECK SIZE TO MATCH BRANCH DUCT SIZE.
 4. ANY DUCTWORK PENETRATING A FIRE AND/OR SMOKE RATED WALL SHALL BE PROVIDED WITH AN APPROPRIATE FIRE AND/OR SMOKE DAMPER.
- FLAG NOTES**
1. DUCTWORK WITH HATCH SHALL BE DEMOLISHED, TYPICAL.
 2. SEE M3-1 FOR RECORD DRAWINGS/AS BUILT REFERENCE.
 3. RELOCATE THERMOSTATS AS INDICATED, TYPICAL. COORDINATE FINAL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
 4. ROUTE CONDENSATE TO NEAREST FLOOR SINK. CONTRACTOR TO COORDINATE ROUTE.
 5. CU-1 TO BE MOUNTED ON LOW ROOF ABOVE LAB SPACE. CONTRACTOR TO COORDINATE FINAL INSTALLATION LOCATION WITH ARCHITECT.

MECHANICAL DEMO - FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH



MECHANICAL - FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

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MESA CO. CORRECTIONS FACILITY
MECHANICAL FLOOR PLAN
650 E. SOUTH AVE.
GRAND JUNCTION, COLORADO

DATE:	ISSUED FOR:
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DATE:	10/02/2024
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DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE										
EQUIPMENT NO.	SERVICE	COOLING CAPACITY (MBH)	CFM	SEER2 (EFFICIENCY)	ELECTRICAL			MANUFACTURER	MODEL	OPTIONS/ACCESSORIES
					MCA (A)	MOCP (A)	V./PH./HZ.			
AC-1	LAB	12	490	26.9	1	SEE CU-1	208/1/60	DAIKIN	PLA-A12EA8	SEE NOTE 1
CU-1	AC-1	12	1590	26.9	11	28	208/1/60	DAIKIN	PUY-A12NKA7	SEE NOTE 2

NOTES:
1. PROVIDE WITH THERMOSTAT, CONDENSATE PUMP, DISCONNECT SWITCH, AND FILTERS.
2. PROVIDE WITH WIND/HAIL GUARDS, 18" TALL MOUNTING STAND, AND REFRIGERANT PIPING LINESET PER MANUFACTURER REQUIREMENTS. PROVIDE LINE SHACK MODEL LS BY BSC INDUSTRIES OR PROVIDE ROOF CURB WITH AIREX TSS SERIES WITH TITAN OUTLET.

GRILLE-REGISTER-DIFFUSER SCHEDULE					
EQUIPMENT NO.	SIZE	MODEL	MANUFACTURER	FINISH	OPTIONS/ACCESSORIES
SC-1	24"X24"	SPD	PRICE	PER ARCH	SEE NOTE 1
RC-1	24"X24"	SPD	PRICE	PER ARCH	SEE NOTE 2
EC-1	24"X24"	SPD	PRICE	PER ARCH	SEE NOTE 1

NOTES:
1. COORDINATE ALL MOUNTING WITH CEILINGS. NECK SIZE TO MATCH DUCT BRANCH SIZE.
2. COORDINATE ALL MOUNTING WITH CEILINGS. PROVIDE WITH 14" NECK SIZE. PROVIDE WITH SOUND BOOT (SEE DETAILS).

Indoor Units: 1 / 1 to 1
Capacity: 12 / 6 to 12 (100.0%)
* Connectable capacity is not actual capacity.
Total Pipe Length: 78.9 / 165.0 feet

Correction Factors
Temperature: 1.01
Piping Length: 0.92
User Derate: 1.00
Total Derate: 0.78
Additional Refrigerant: 0.06 lb
Total Refrigerant Amount: 4.49 lb

Conditions (°F)
Cooling
Indoor DB: 80.0 Humidity: 51.3% Indoor WB: 67.0
Outdoor DB: 96.0
Heating
Indoor DB: 70.0
Outdoor DB: 2.0 Humidity: 72.8% Outdoor WB: 1.2

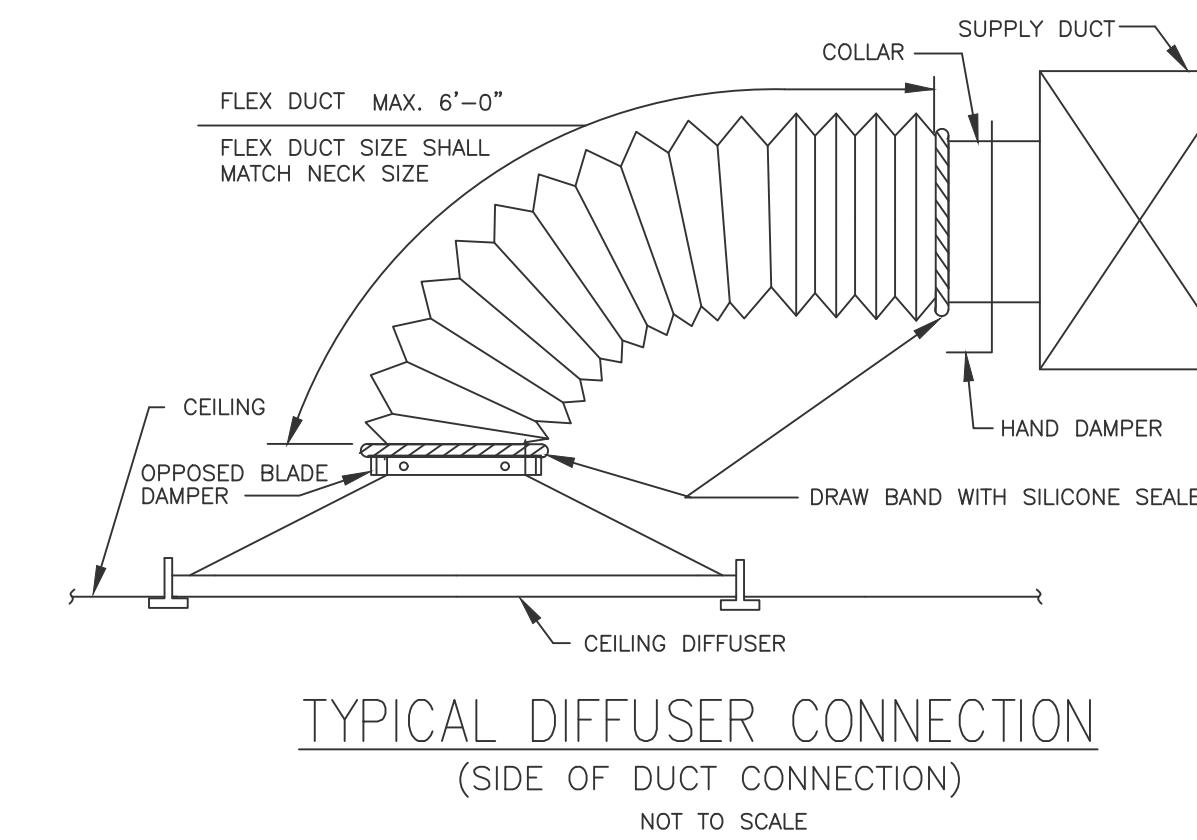
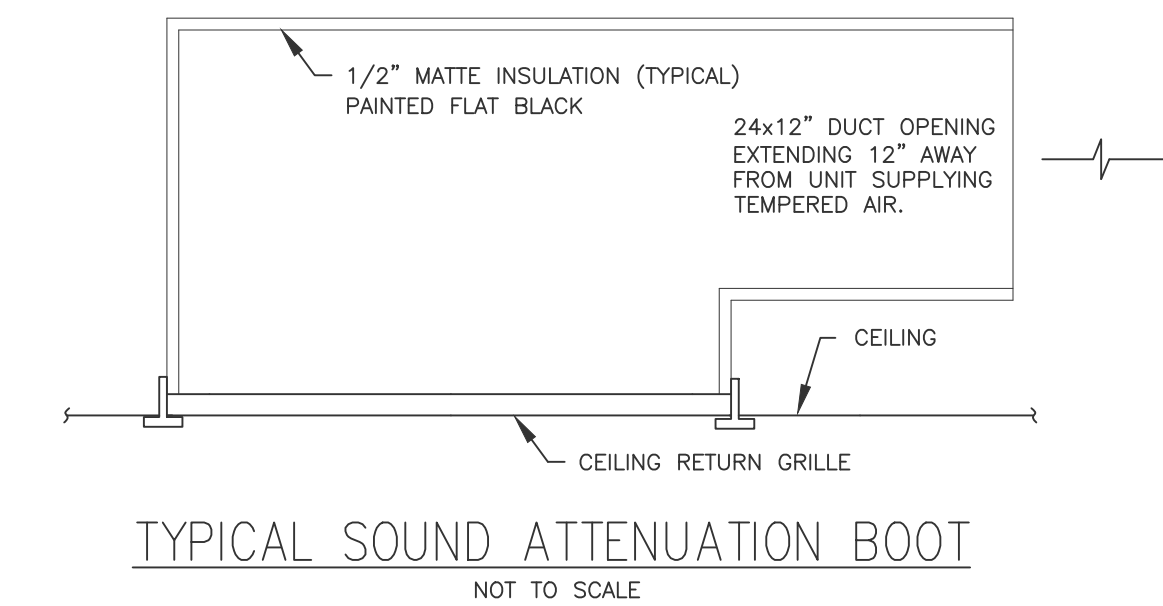
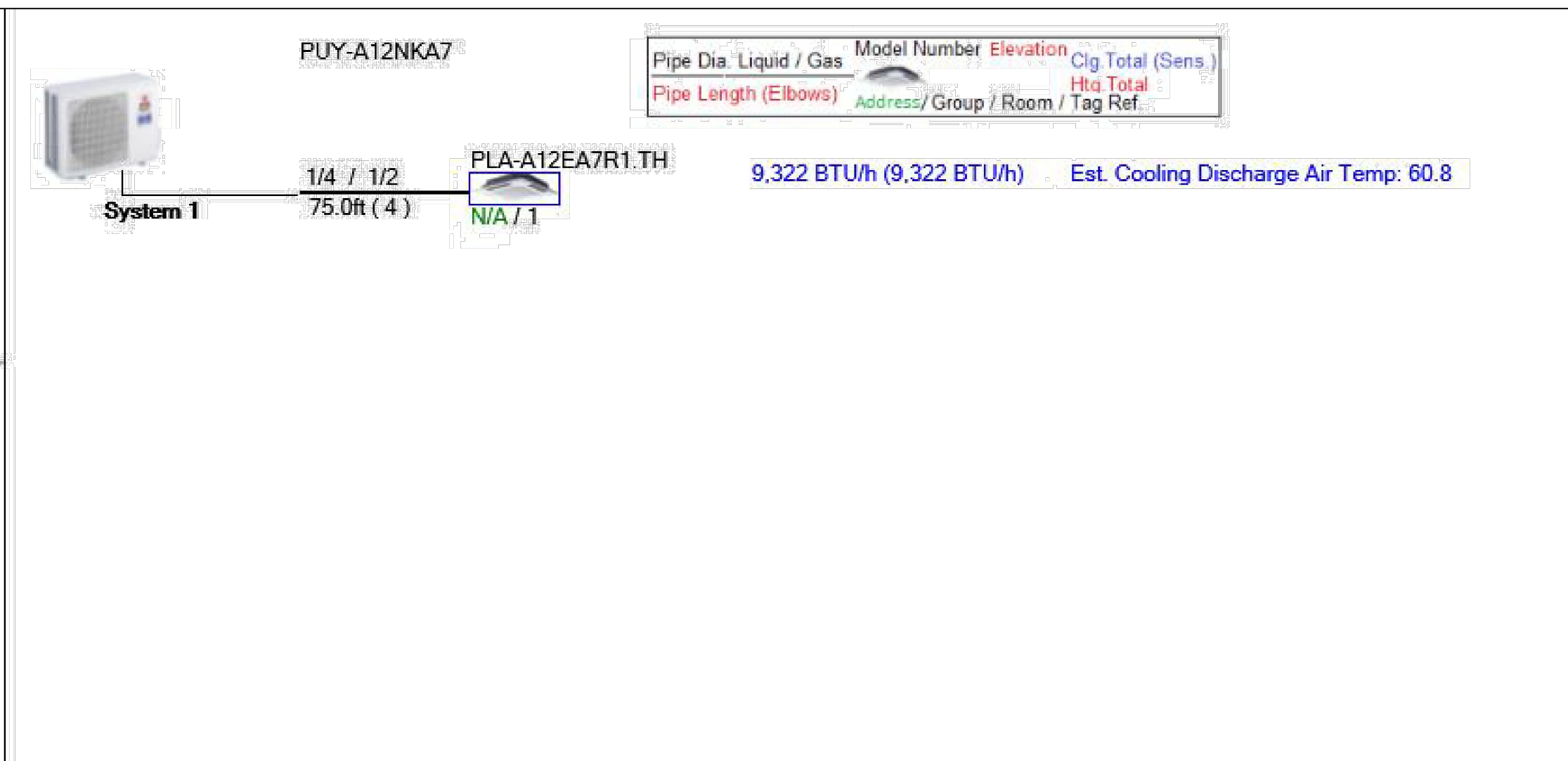
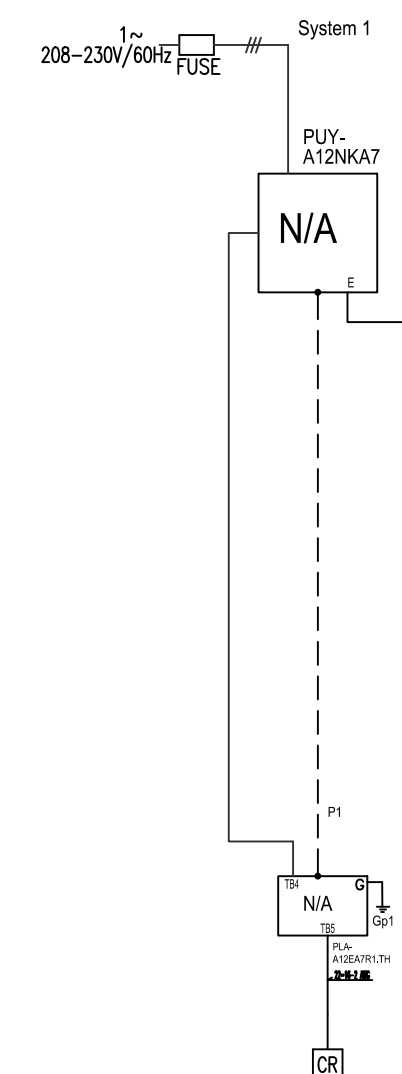


DIAGRAM	SYMBOL	LEGEND	CONTING	PAGE
---	---	POWER WIRE		
---	---	GROUND WIRE		
---	---	REF. PIPE		

CITY MULTI SYSTEM SCHEMATIC DWG.



This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm(1/8 IN) : 1.25mm(1/8 IN) or more, 0.75mm(3/32 IN) : between 1.25mm(1/8 IN) and 0.75mm(3/32 IN)

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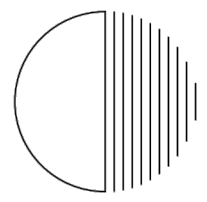
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MESA CO. CORRECTIONS FACILITY
MECHANICAL DETAILS
650 E. SOUTH AVE.
GRAND JUNCTION, COLORADO

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SHEET NUMBER:	M201



KENNETH HUNT P.C.

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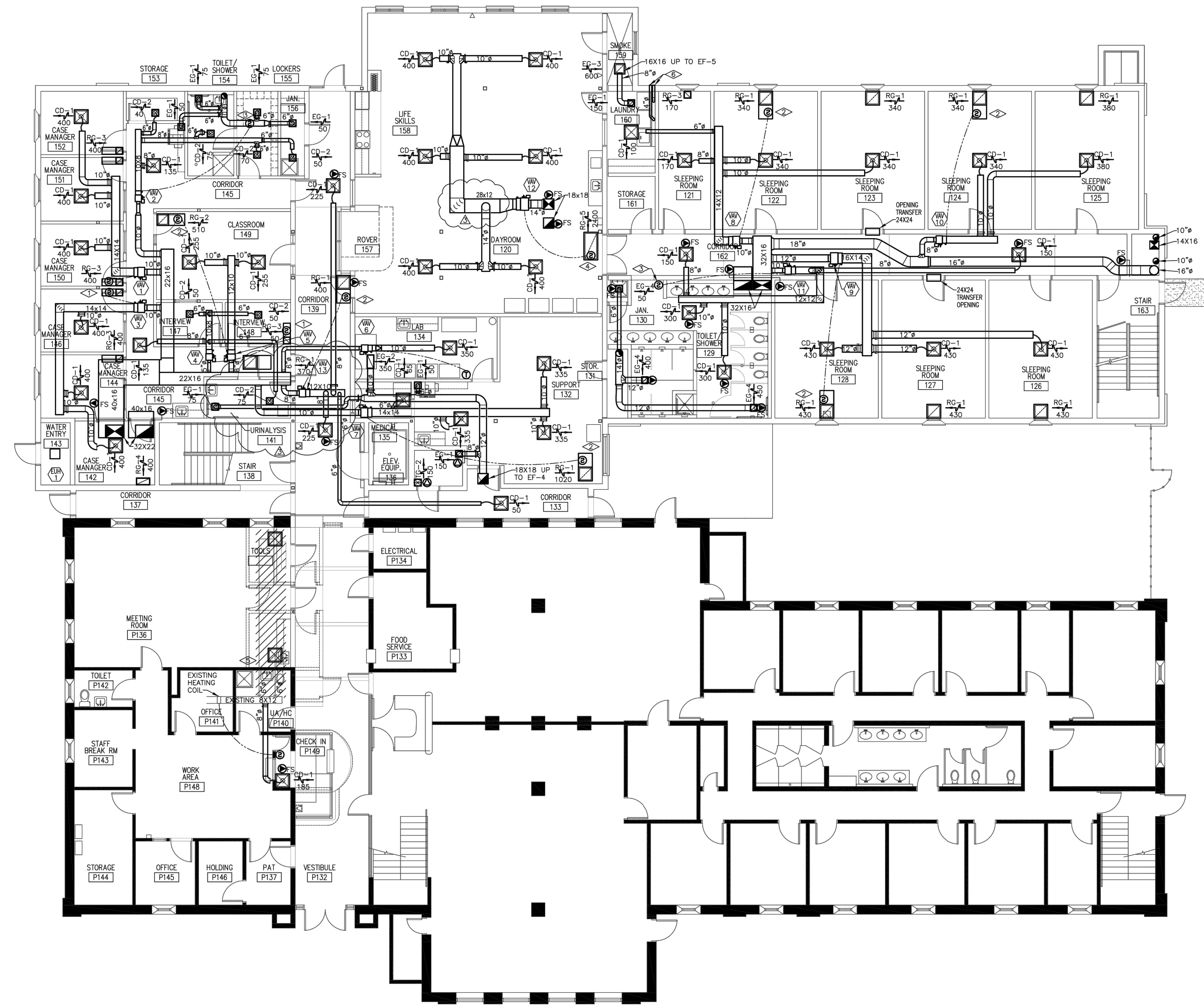
in association with

PROJECT PHASE
AB
APPROVED BY:
06-22-06

PROJECT NO.
DATE ISSUED: 08-02-07
DATE REVISED:
DRAWN BY: DS
SHEET SIZE: 30x42

MESA COUNTY COMMUNITY CORRECTIONS ADDITION
7TH AVE. & SOUTH ST.
GRAND JUNCTION, CO.

SHEET NO.
M1.1
AS-BUILT



MECHANICAL - FIRST FLOOR PLAN

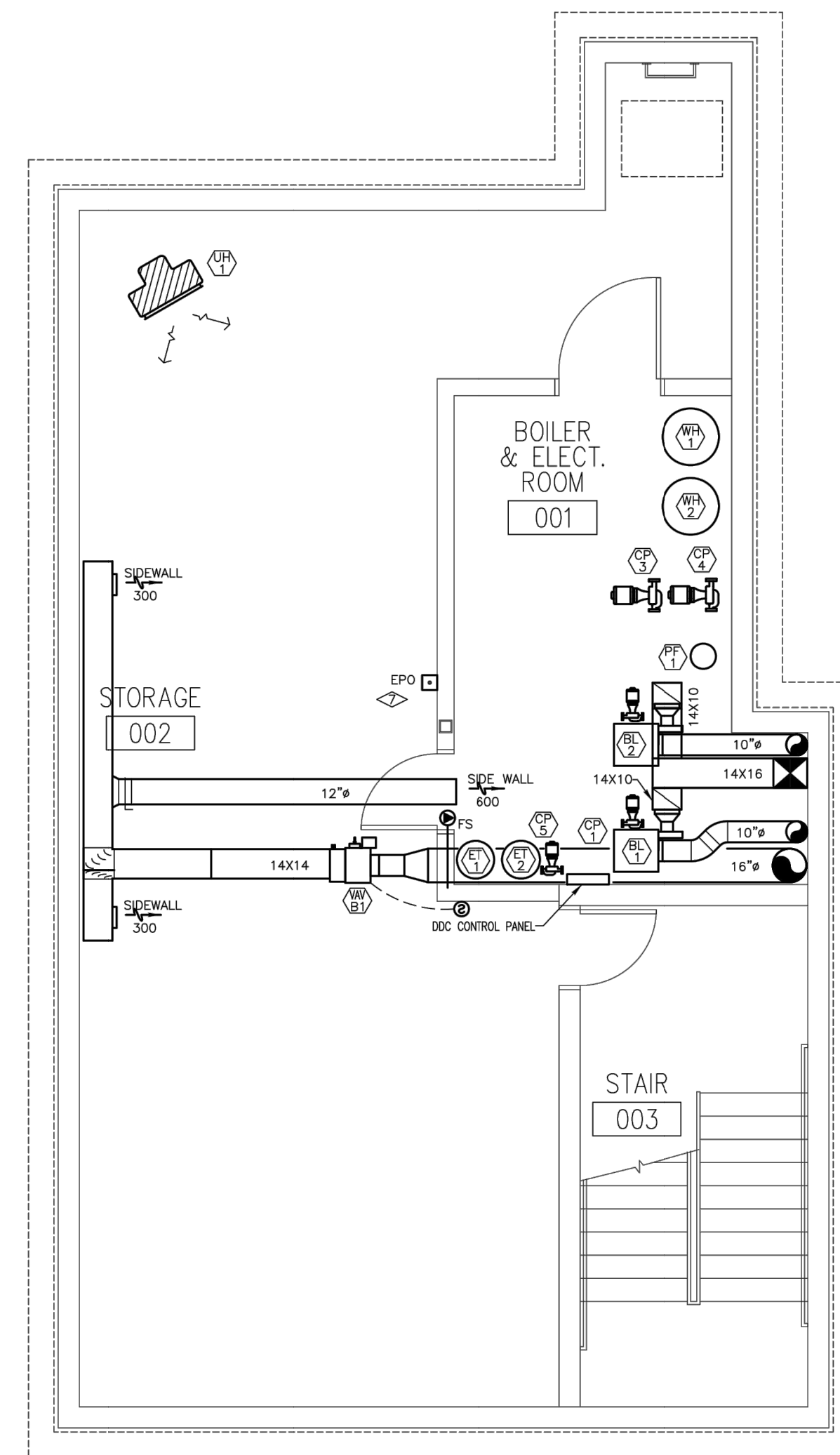
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL DUCTWORK SIZES ARE INSIDE DIMENSION.
2. DENOTES RETURN AIR OR FLAT PLATE SENSORS.
3. DENOTES COMBINATION FIRE/SMOKE DAMPER. DENOTES FIRE DAMPER.

FLAG NOTES:

1. PROVIDE 12X12 SOUND BOOT. INSTALL THERMOSTAT SENSOR IN SOUND BOOT. TYPICAL IN ADMINISTRATION AREAS.
2. PROVIDE 24X24 SOUND BOOT. INSTALL THERMOSTAT SENSOR IN SOUND BOOT.
3. PROVIDE FLAT PLATE THERMOSTAT SENSOR INSTALLED IN CEILING.
4. PROVIDE THERMOSTAT SENSOR IN RETURN DUCT WORK.
5. DEMO EXISTING (2) 6" SUPPLY DUCT AND DIFFUSERS BACK TO MAIN AND CAP. INSTALL NEW 6" DUCT WORK AND DIFFUSER IN CHECK-IN P149.
6. 4" DRYER DUCT UP EXPOSED ON WALL TO ABOVE CEILING. ROUTE ACROSS CEILING TO EXTERIOR WALL. TERMINATE WITH WALL CAP.
7. PROVIDE EMERGENCY STOP BUTTON (EPO) FOR BOILERS AND PUMPS. SEE ELECTRICAL FOR WIRING.



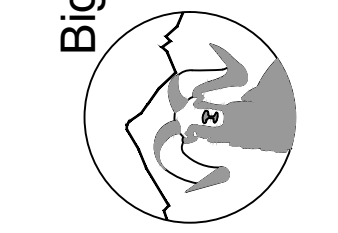
MECHANICAL - BASEMENT FLOOR PLAN

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



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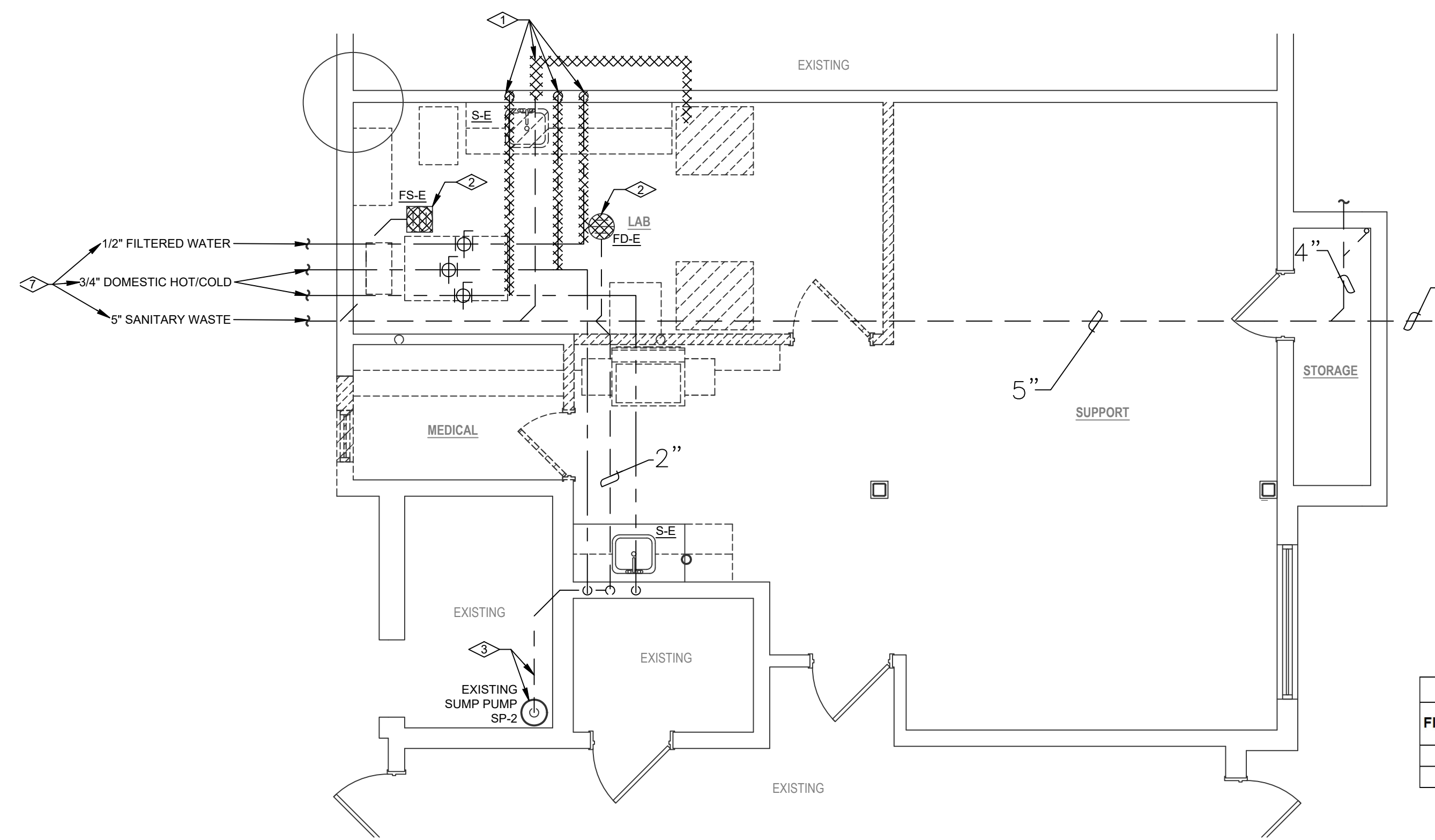


MESA CO. CORRECTIONS FACILITY
MECHANICAL RECORD DRAWINGS
650 E. SOUTH AVE.
GRAND JUNCTION, COLORADO

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SHEET NUMBER:	M301

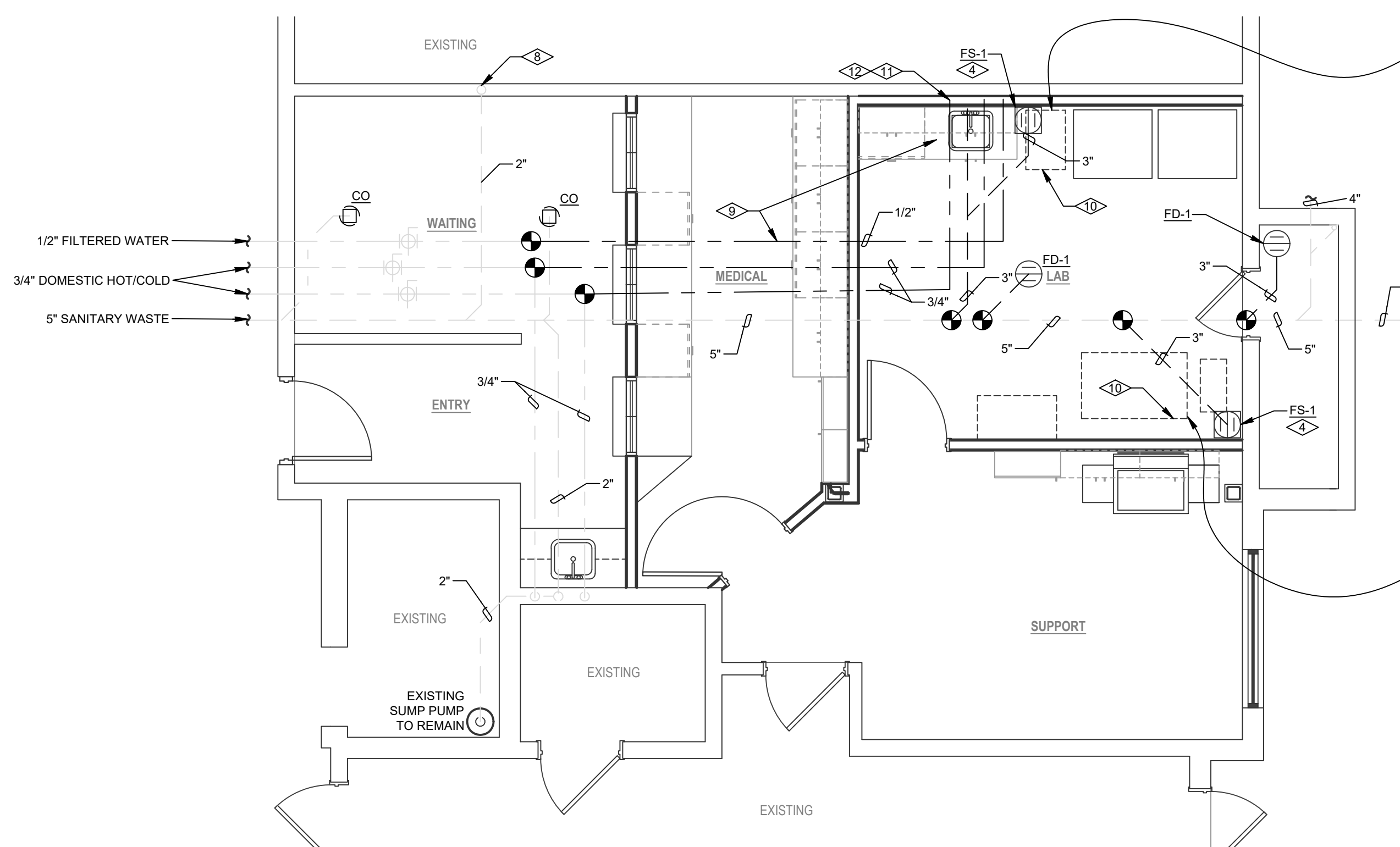


PLUMBING - DEMO FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

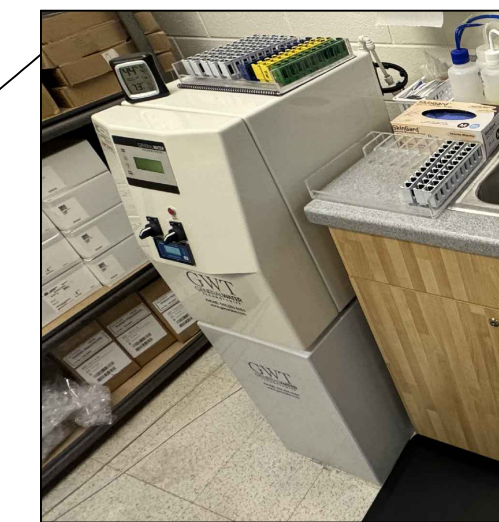
- GENERAL MECHANICAL NOTES**
1. ALL PIPING SHALL BE CONCEALED IN THE CEILING OR WALLS. ROUTE ALL VERTICAL DROPS DOWN TO FIXTURES IMMEDIATELY ADJACENT TO THE PLUMBING VENT FOR THAT FIXTURE. COORDINATE LAYOUT OUT TO MAXIMIZE USABLE WALL SPACE.
 2. VENT ALL FIXTURES PER LOCAL PLUMBING CODE REQUIREMENTS.

- FLAG NOTES**
1. SINK AND DOMESTIC WATER LINES SERVING SINK TO BE REMOVED AS INDICATED.
 2. INDICATED FLOOR SINKDRAINS TO BE REMOVED. CAP WASTE LINE WITH CLEANOUT.
 3. EXISTING SUMP PUMP AND WASTE LINE SERVING ELEVATOR SHALL REMAIN.
 4. COORDINATE FINAL LOCATIONS OF FLOOR SINKS WITH CASEWORK AND LAB EQUIPMENT PRIOR TO INSTALLATION.
 5. ROUTE VENT FROM NEW SINK LOCATION UP ABOVE CEILING AND CONNECT TO EXISTING CIRCUIT VENTING.
 6. SEE SHEET P2-1 FOR RECORD DRAWINGS AS BUILT CONDITIONS.
 7. DOMESTIC WATER FROM BUILDING'S DOMESTIC WATER SYSTEM. SEE P2-1 FOR RECORD DRAWINGS/CONTINUATION.
 8. CAP WASTE LINE THAT WAS PREVIOUSLY SERVING A SINK.
 9. EXTEND EXISTING FILTER WATER LINE AND ROUTE TO NEW SINK LOCATION. COORDINATE TERMINATION LOCATION WITH OWNER/ARCHITECT.
 10. ROUTE LAB EQUIPMENT WASTE LINES TO FLOOR SINK AND TERMINATE INDIRECTLY.
 11. PLUMBING LINES TO DROP DOWN FURRED OUT WALL TO SINK.
 12. SINK FIXTURE SPECIFIED BY OWNER AND/OR ARCHITECT.

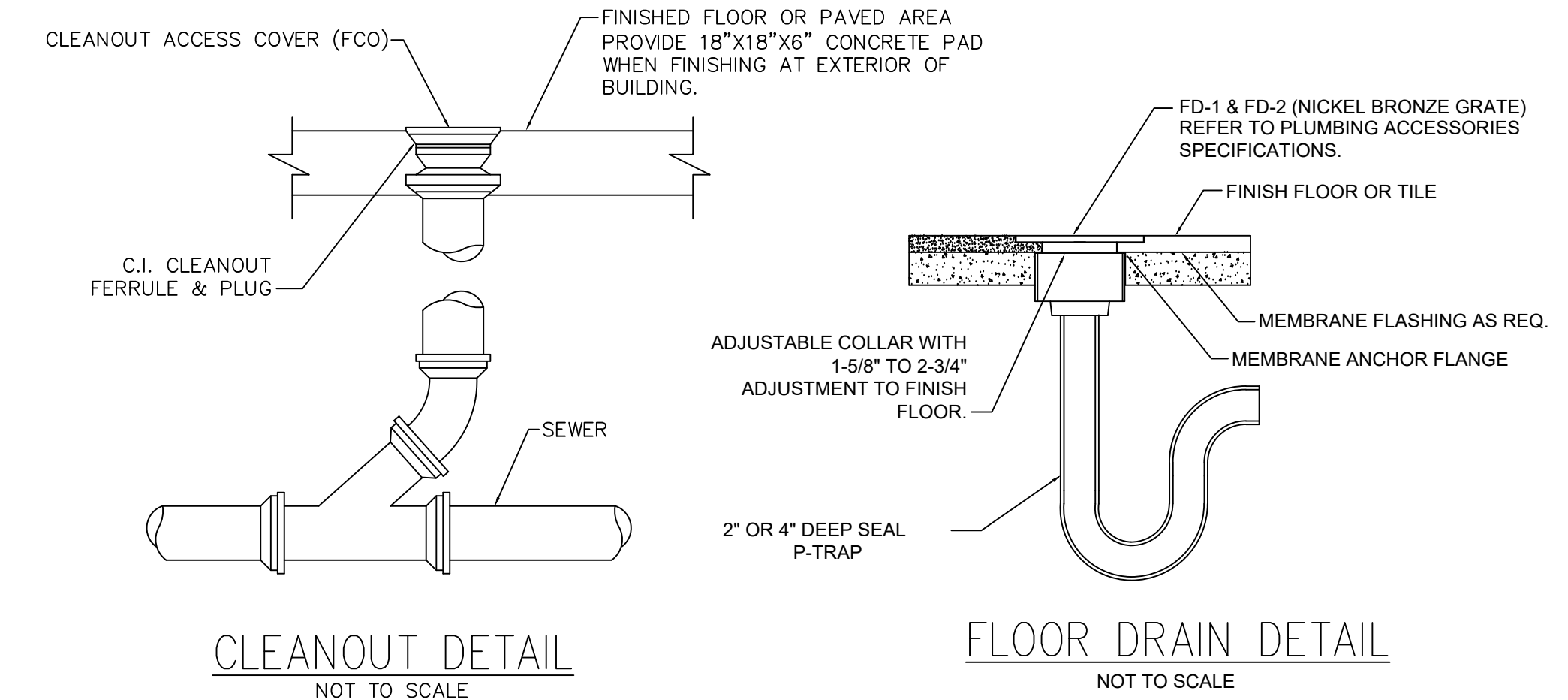
PLUMBING FIXTURE SCHEDULE									
FIXTURE NO.	DESCRIPTION	MANUFACTURER	MODEL	TRIM	PIPING CONNECTIONS				OPTIONS-ACCESSORIES
					S/W	VENT	C.W.	HW	
FS-1	FLOOR SINK	ZURN	Z1900		SEE PLANS	2"	-	-	PROVIDE WITH QUADCLOSE TRAP SEAL.
FD-1	FLOOR DRAIN	ZURN	Z415S		SEE PLANS	2"	-	-	PROVIDE WITH QUADCLOSE TRAP SEAL.



PLUMBING - FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

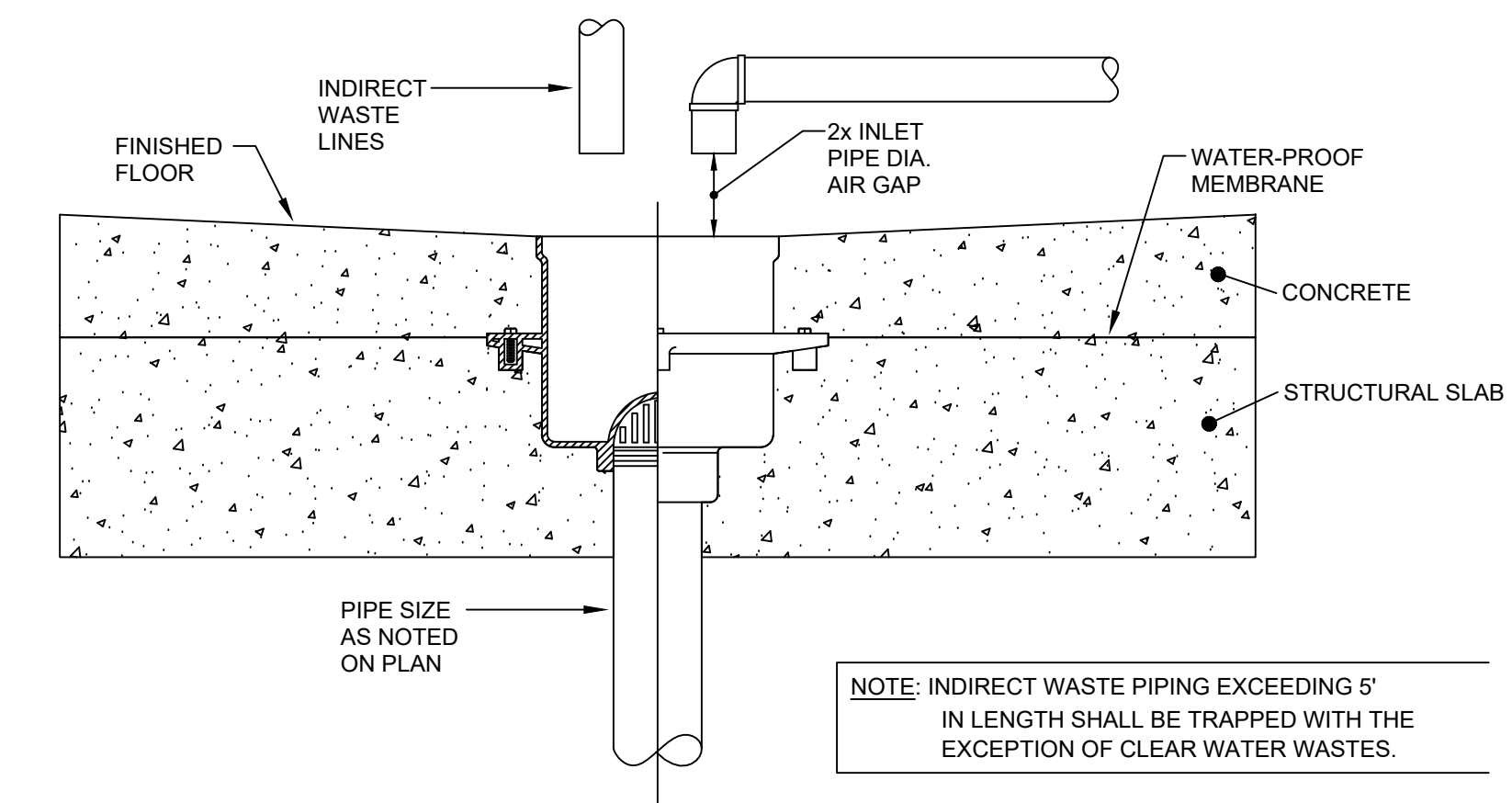


**REFERENCE PHOTOS
EXISTING LAB EQUIPMENT
TO BE RELOCATED**



CLEANOUT DETAIL
NOT TO SCALE

FLOOR DRAIN DETAIL
NOT TO SCALE

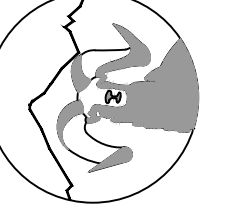


FLOOR SINK DETAIL
NOT TO SCALE

NOTE: INDIRECT WASTE PIPING EXCEEDING 5' IN LENGTH SHALL BE TRAPPED WITH THE EXCEPTION OF CLEAR WATER WASTES.

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Mechanical & Electrical Engineers
386 Indian Road
Grand Junction, CO 81501
Phone: (970) 241-8709



MESA CO. CORRECTIONS FACILITY
PLUMBING - FLOOR PLAN
650 E. SOUTH AVE.
GRAND JUNCTION, COLORADO

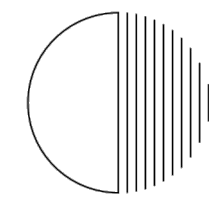
DATE:	ISSUED FOR:
07/19/2024	FINAL REVIEW
09/27/2024	UPDATE
10/02/2024	PERMIT



DATE:	10/02/2024
JOB NO:	24-203
DRAWN BY:	RL
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	

P101

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KENNETH HUNT P.C.

ARCHITECTURE
PLANNING
INTERIORS

804 GRAND AVENUE
GRAND JUNCTION,
CO 81501
(970) 245-7383
(970) 245-7437 (FAX)

in association with

REILLY JOHNSON ARCHITECTURE

PROJECT PHASE

AB

APPROVED BY:

06-22-06

PROJECT NO:

08-02-07

DATE ISSUED:

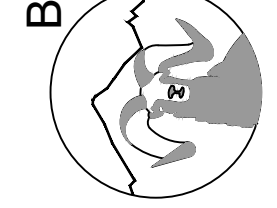
DS/LBW

DRAWN BY:

30x42

SHEET SIZE:

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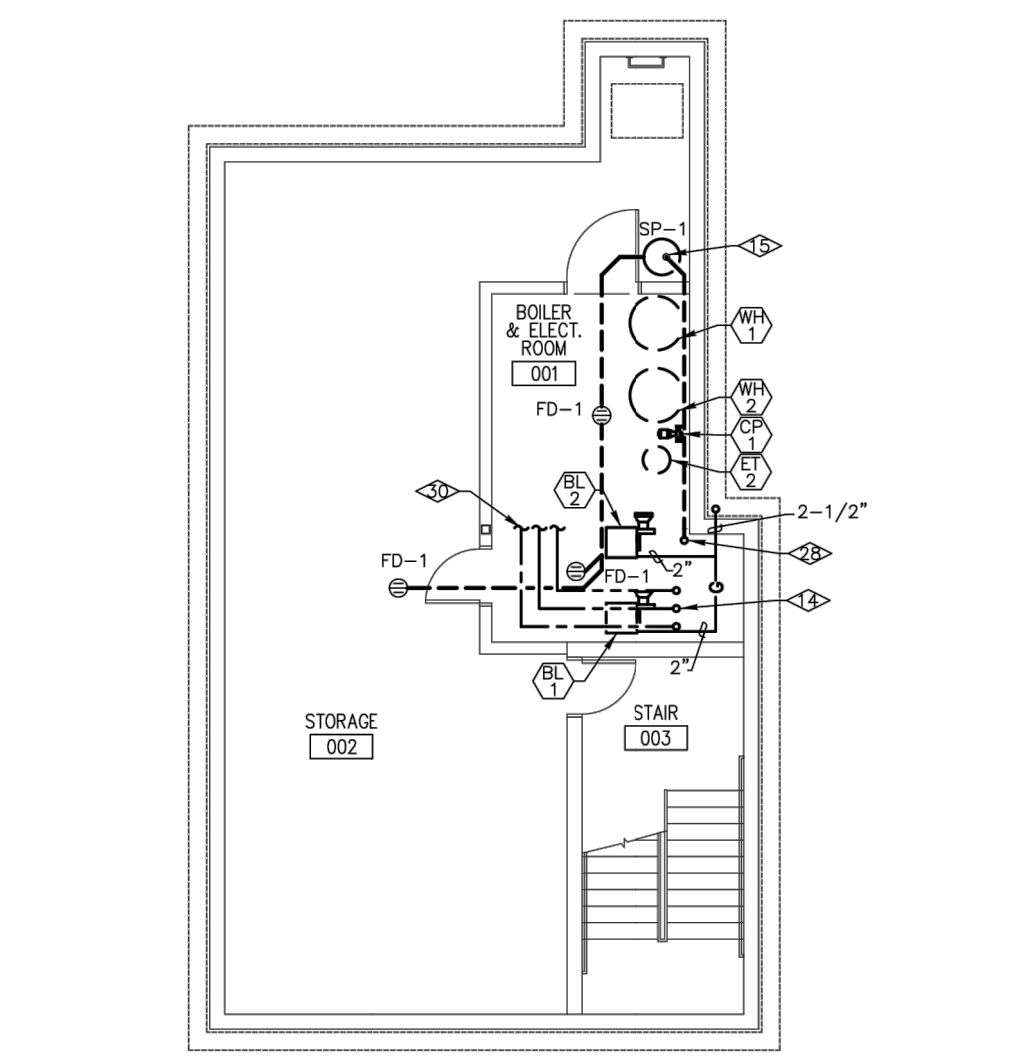
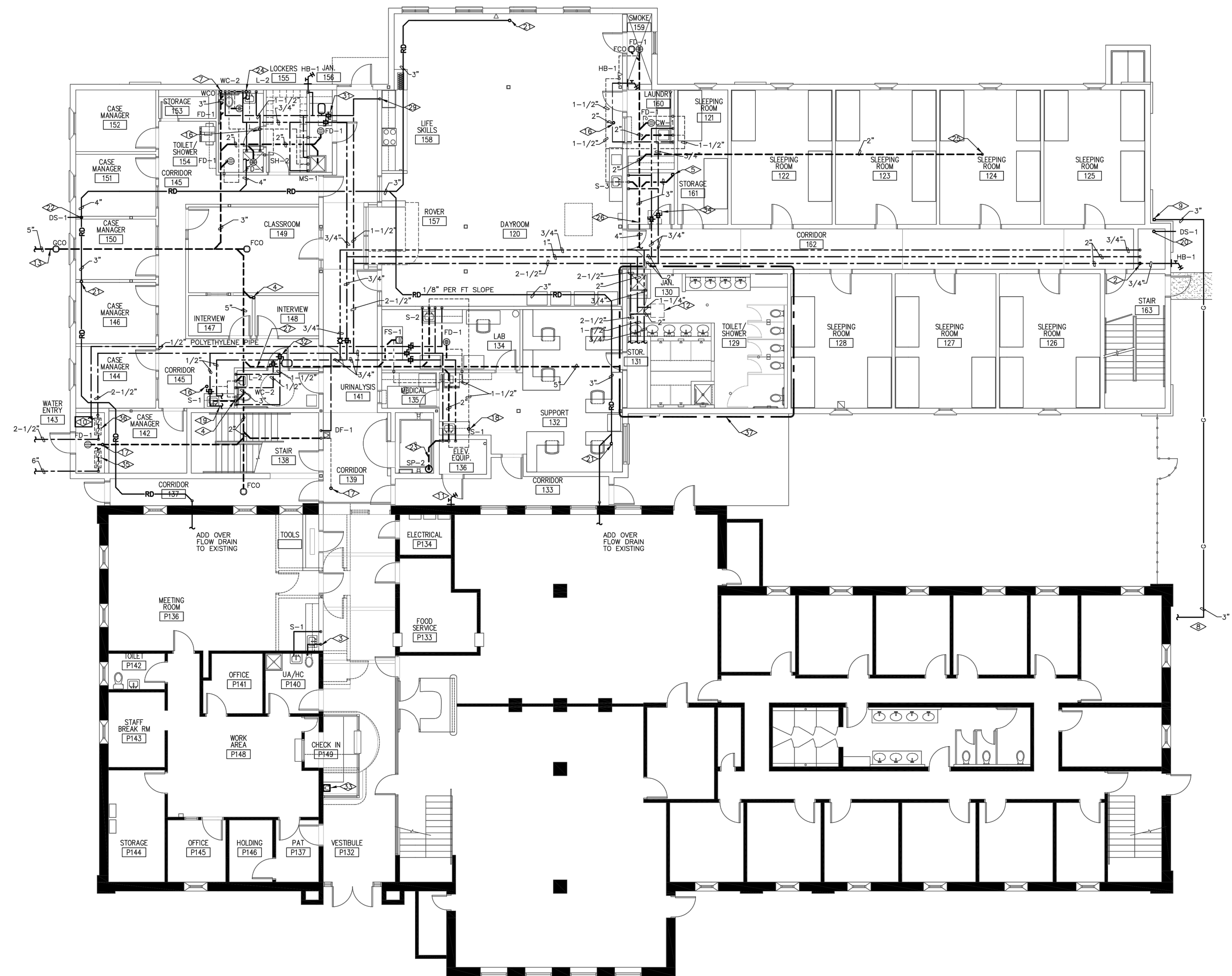


MESA CO. CORRECTIONS FACILITY
PLUMBING - RECORD DRAWINGS
650 E. SOUTH AVE.
GRAND JUNCTION, COLORADO

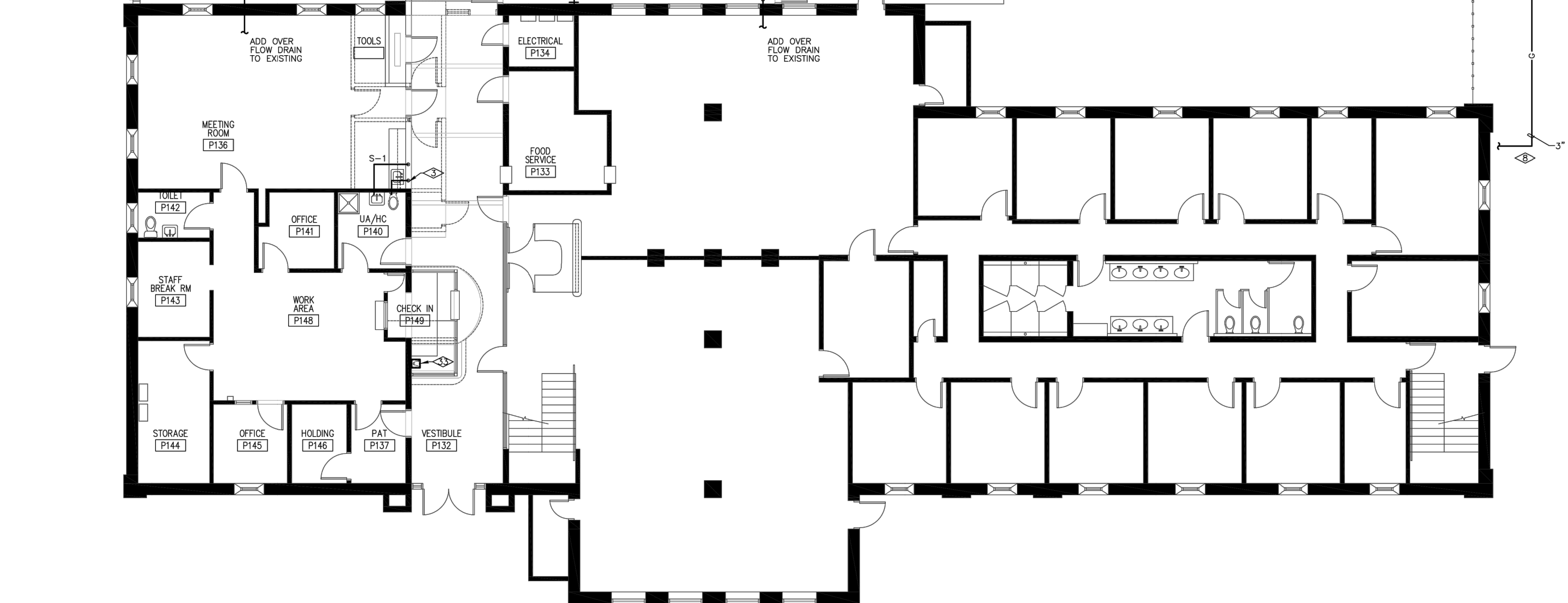
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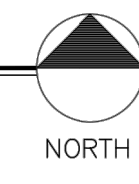
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JOB NO:	24-203
DRAWN BY:	RL
CHECKED BY:	BCE
SCALE:	
SHEET NUMBER:	P201



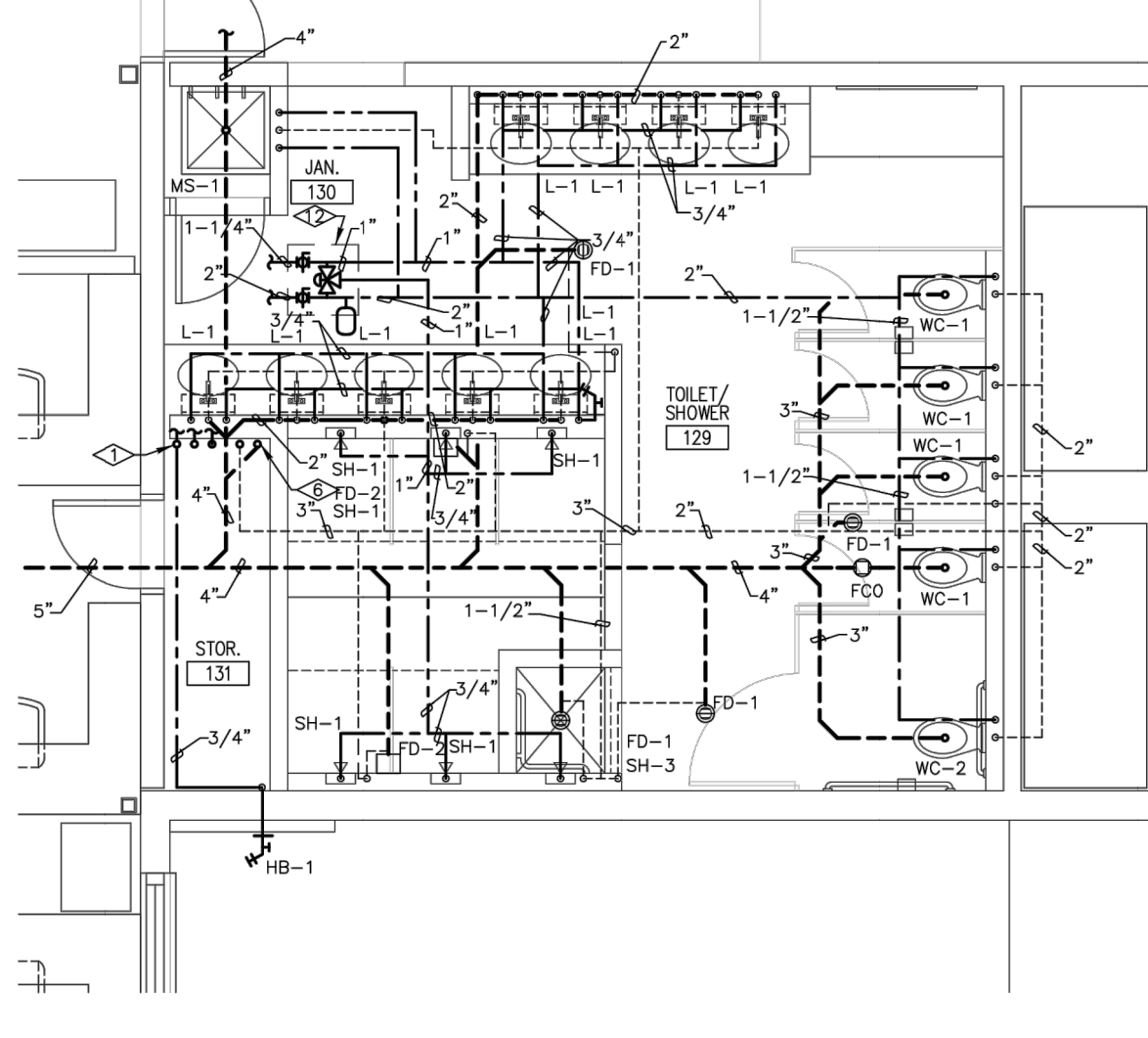
PLUMBING - BASEMENT FLOOR PLAN
SCALE: 1/8"=1'-0"



PLUMBING - FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



- ELAB. NOTES:
- 2-1/2" CW, 1-1/2" HW, AND 3/4" HWC UP.
 - 2" CW, 2" HW, AND 3/4" HWC DOWN.
 - 1-1/2" CW, 1/2" HW, 1-1/2" WASTE, AND 1-1/2" VENT TO EXISTING.
 - 1-1/2" WASTE FROM ABOVE TO 2" WASTE BELOW FLOOR.
 - 3" WASTE FROM ABOVE.
 - 3" VENT UP, 4" WASTE FROM ABOVE.
 - 3" WASTE FROM ABOVE.
 - 3" GAS FROM EXISTING GAS METER BELOW GRADE.
 - 2-1/2" GAS DOWN TO BASEMENT AND 3" UP IN CHASE TO ROOF.
 - RELOCATED EXISTING REVERSE OSMOSIS FILTRATION SYSTEM. PROVIDE POLYETHYLENE PIPE FOR ALL NEW REVERSE OSMOSIS PIPING.
 - REMOVE EXISTING HOSE BIBB AND CAP CW WITHIN WALL. PATCH WALL TO MATCH EXISTING.
 - CEILING ACCESS PANEL FOR SHUTOFF VALVES, MIXING VALVE, AND WATER HAMMER ARRESTOR.
 - REFER TO CIVIL DRAWINGS FOR CONTINUATION.
 - 2" CW, 2" HW, AND 3/4" HWC UP.
 - 2" PUMPED WASTE FROM SUMP PUMP UP.
 - 2" VENT UP.
 - 1-1/2" VENT UP TO 3" VENT THROUGH ROOF.
 - 2" VENT UP TO 3" VENT THROUGH ROOF.
 - 1/2" CW AND 1/2" HW DOWN IN WALL AND BELOW COUNTER TO SINK. 1-1/2" WASTE AND 1-1/2" VENT FROM SINK BELOW COUNTER TO WALL.
 - 5" ROOF DRAIN FROM ABOVE TO DOWN SPOUT 12" ABOVE FINISHED GRADE.
 - 3" ROOF DRAIN FROM ROOF.
 - 5" ROOF DRAIN DOWN TO DOWN SPOUT 12" ABOVE FINISHED GRADE.
 - 3" WASTE FROM SUMP PUMP TO WASTE RISER AT SINK.
 - 4" ROOF DRAIN FROM ABOVE.
 - 2" PUMPED WASTE FROM BELOW TO ABOVE CEILING.
 - 2" PUMPED WASTE FROM ABOVE CEILING DOWN TO WASTE BELOW FLOOR.
 - WATER CONTROL SWITCH. SEE ELECTRICAL.
 - 2" PUMPED WASTE UP IN CHASE.
 - 1/2" CW DOWN TO ICE MAKER.
 - REFER TO BOILER PIPING DETAIL SHEET M1.6 FOR CONTINUATION.
 - CEILING ACCESS PANEL FOR SHUTOFF VALVES AND WATER HAMMER ARRESTOR.
 - SHUTOFF VALVES AND WATER HAMMER ARRESTOR. PROVIDE SOLENOID VALVES FOR HOT AND COLD WATER SHUTOFF VIA THE WATER CONTROL SWITCH.
 - REMOVE EXISTING DRINKING FOUNTAIN AND CAP CW AND WASTE WITHIN WALL. PATCH WALL TO MATCH EXISTING.
 - CEILING ACCESS PANEL FOR SHUTOFF VALVES.
 - SEE FIRE ENTRY DETAIL ON SHEET P1.5.
 - SEE DOMESTIC WATER ENTRY DETAIL ON SHEET P1.5.
 - SEE ENLARGED PLAN THIS SHEET.



PLUMBING - ENLARGED WOMENS FLOOR PLAN
SCALE: 1/4"=1'-0"

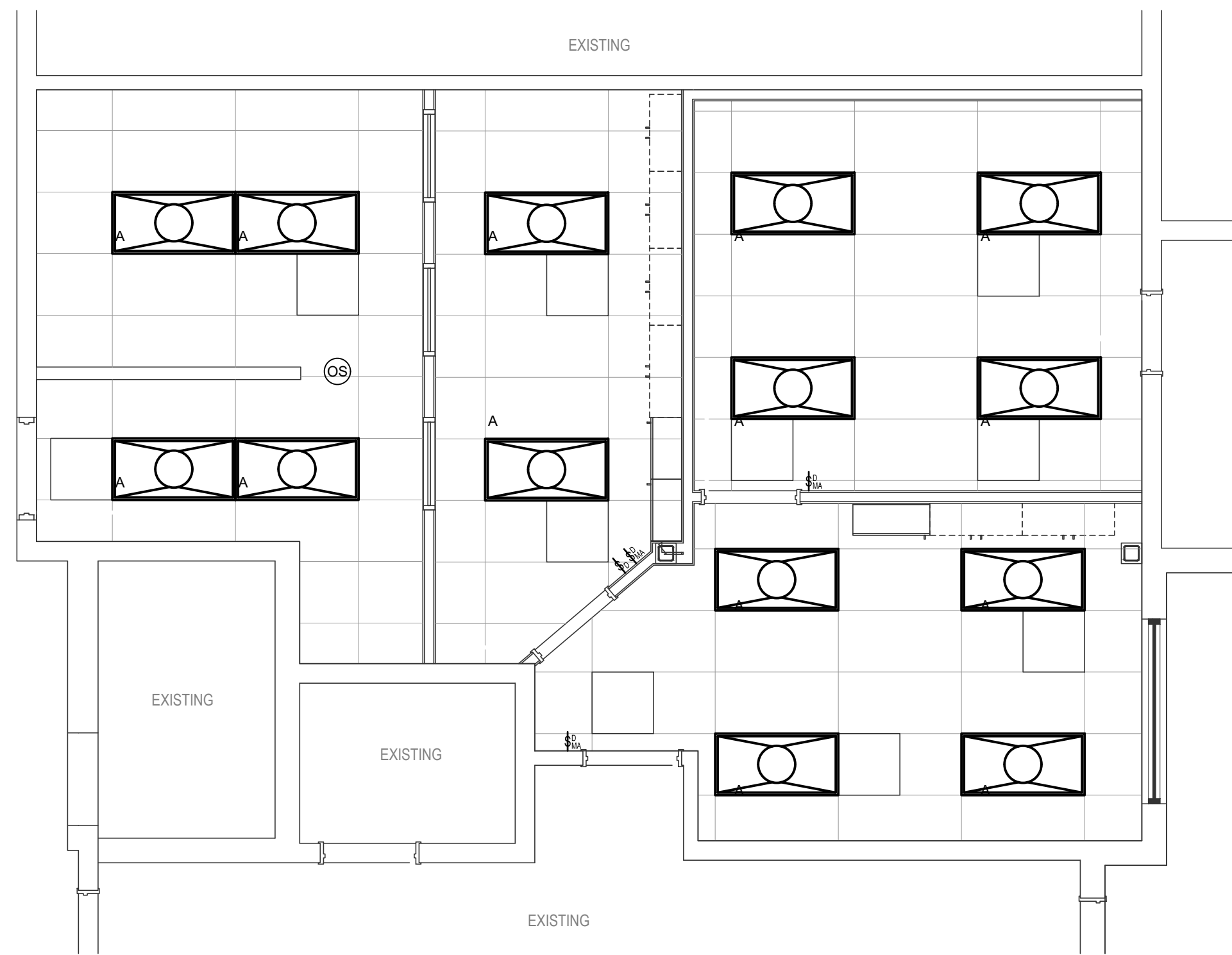


MESA COUNTY COMMUNITY CORRECTIONS ADDITION
7TH AVE. & SOUTH ST.
GRAND JUNCTION, CO.

SHEET NO.

P1.1

AS-BUILT



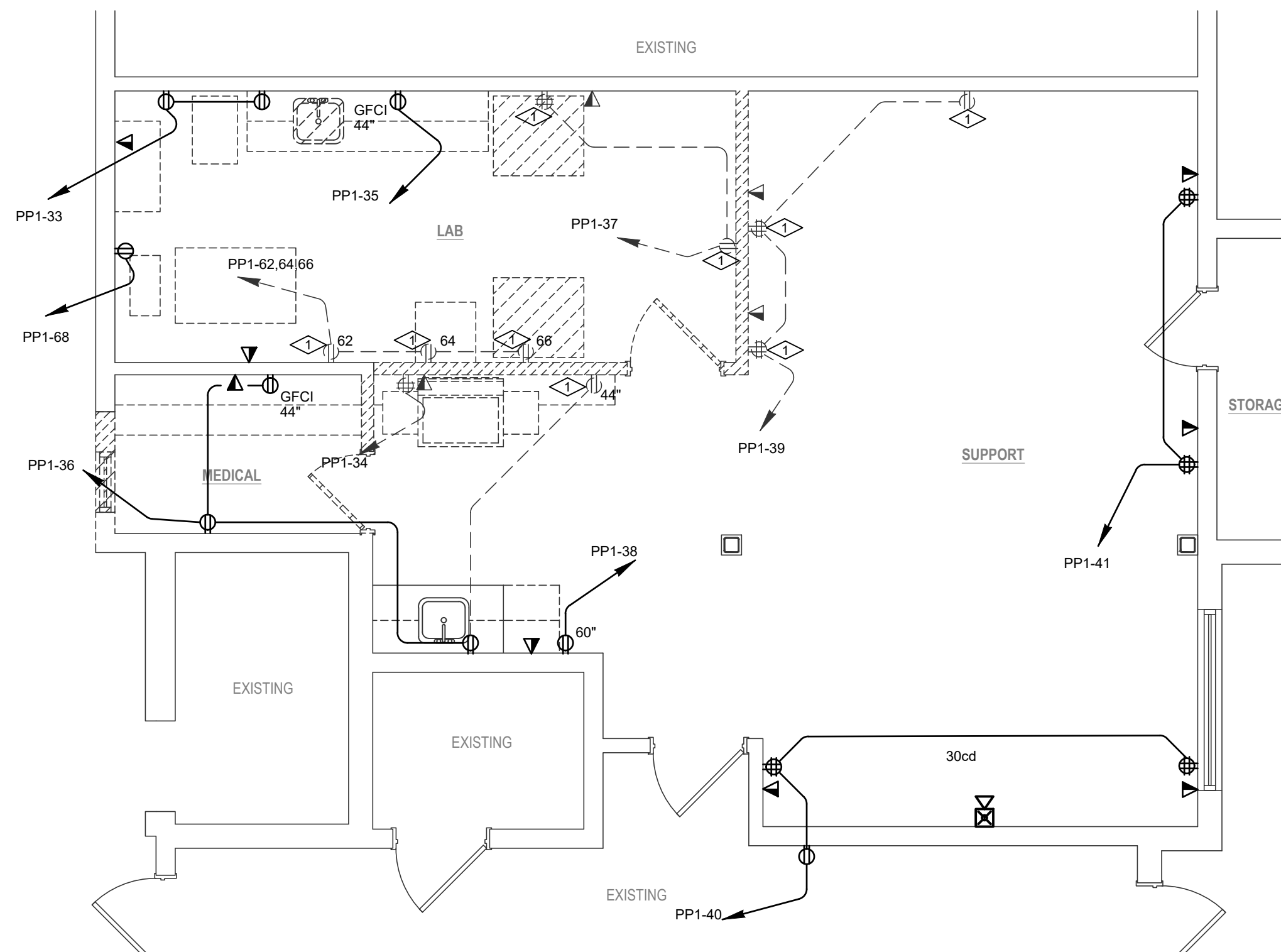
LIGHTING - FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER CATALOG NO.	MANUFACTURER ALTERNATE	VOLTAGE MOUNTING	DRIVER LAMP SPECIFICATION	
A	COOPER METALUX 24ARS-L3C3-UNV	APPROVED EQUIVALENT	120V GRID	0-10V LED DIMMING 6254LM, 4000K, 80CRI 45 SW	2'X4' LED TROFFER, INITIAL SETTING TO BE MEDIUM COLOR OF 4K AND HIGH LUMEN OUTPUT, UL LISTED
B	COOPER METALUX 14ARS-L3C3-UNV	APPROVED EQUIVALENT	120V GRID	0-10V LED DIMMING 4647LM, 4000K, 80CRI 32.9W	1'X4' LED TROFFER, INITIAL SETTING TO BE MEDIUM COLOR OF 4K AND HIGH LUMEN OUTPUT, UL LISTED

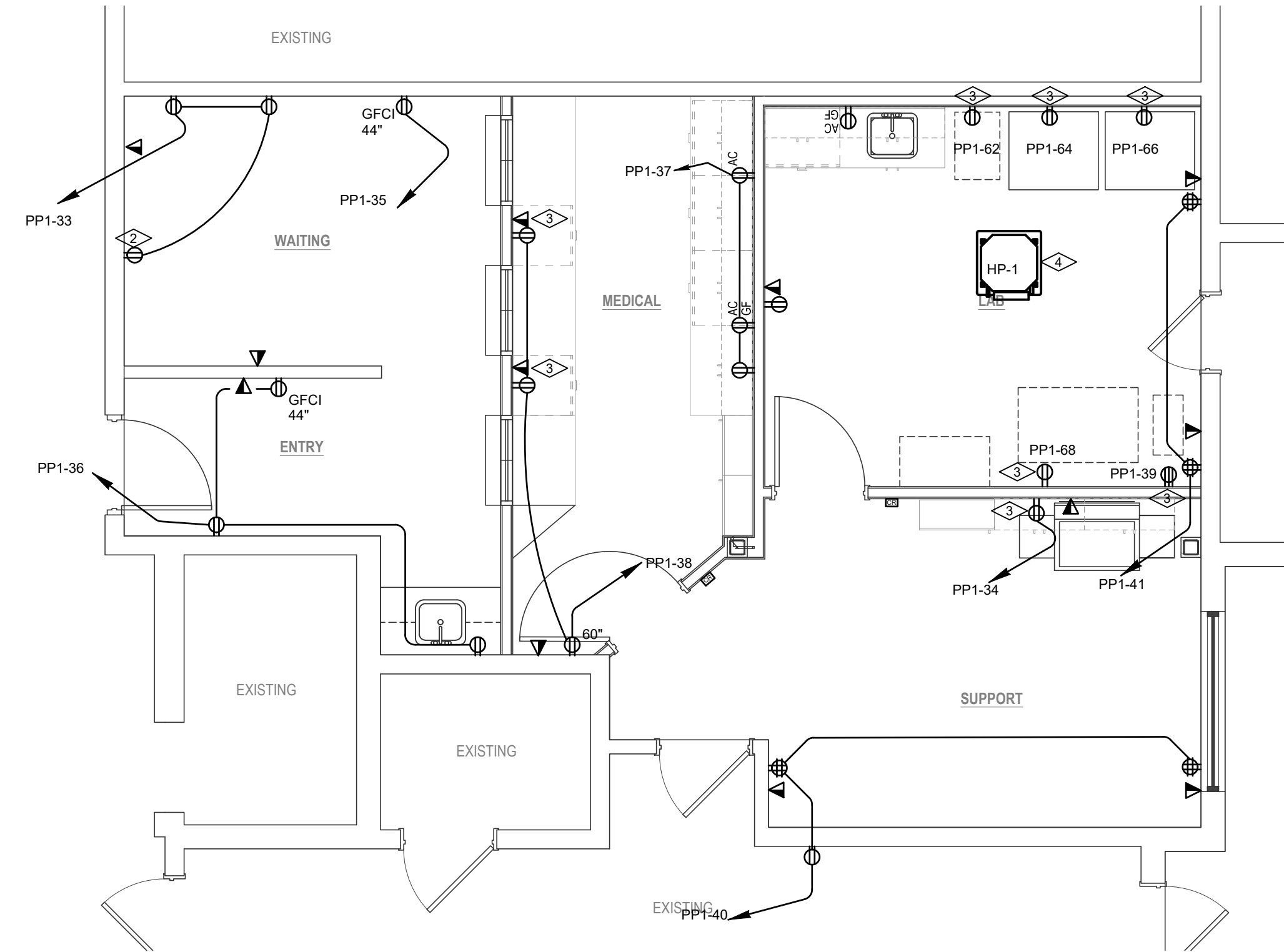
- NOTES:
- OWNER/ARCHITECT TO SELECT ALL COLORS AND FINISHES.
 - PROVIDE ALL APPURTENANCES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
 - WAITING/ENTRY TO BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR, WITH DIMMER SWITCH LOCATED IN ADJACENT MEDICAL ROOM.

ELECTRICAL PLANS KEYED NOTED

- EXISTING DEVICE TO BE REMOVED, EXISTING CIRCUIT TO BE PRESERVED ABOVE CEILING FOR USE IN NEW FLOOR PLAN.
- DISCONNECT RECEPTACLE FROM CIRCUIT ABOVE CEILING AND CONNECT TO ADJACENT RECEPTACLE CIRCUIT.
- EXTEND/SHORTEN/ROUTE EXISTING CIRCUIT TO NEW LOCATION.
- ELECTRICAL CONTRACTOR TO COORDINATE LOCATION OF CONDENSING UNIT ON ROOF WITH M.C. HP-1 IS POWERED FROM ROOF MOUNTED UNIT. PROVIDE DISCONNECTING MEANS AT UNIT FOR SERVICE. CONNECT TO PANEL PP1. PER PREVIOUS DESIGN, PANEL HAS 31.2 AMPS AVAILABLE. NEW SYSTEM HAS A MCA OF 11 AMPS AT 208V 1P. PROVIDE 25 AMP BREAKER. E.C. TO FIELD VERIFY IF SERVICE RECEPTACLE IS WITHIN 25', IF NOT PROVIDE NEW AND CONNECT TO PP1, USING NEAREST CORRIDOR RECEPTACLE CIRCUIT.



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



ELECTRICAL - FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

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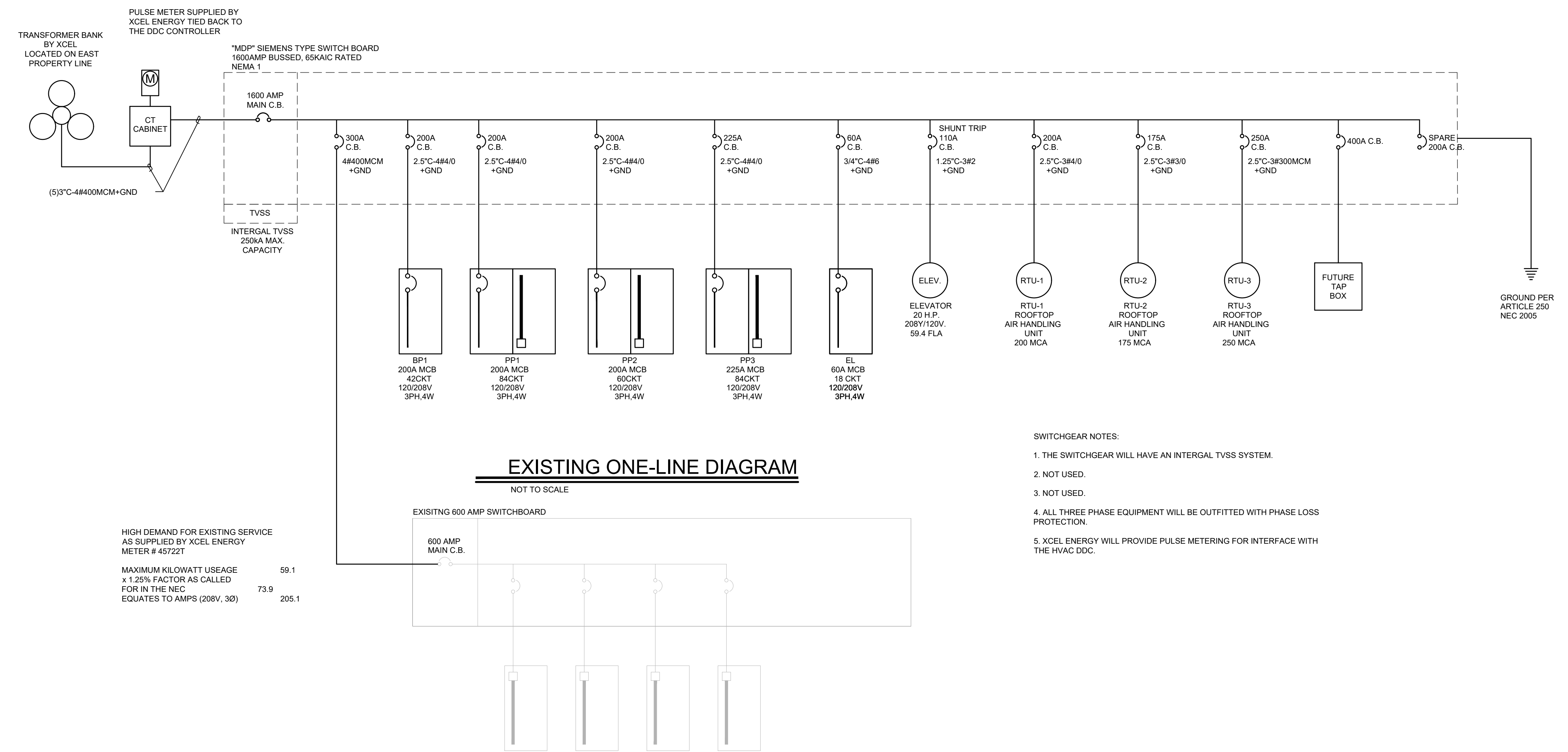
MESA CO. CORRECTIONS FACILITY
ELECTRICAL - FLOOR PLAN
650 E. SOUTH AVE.
GRAND JUNCTION, COLORADO

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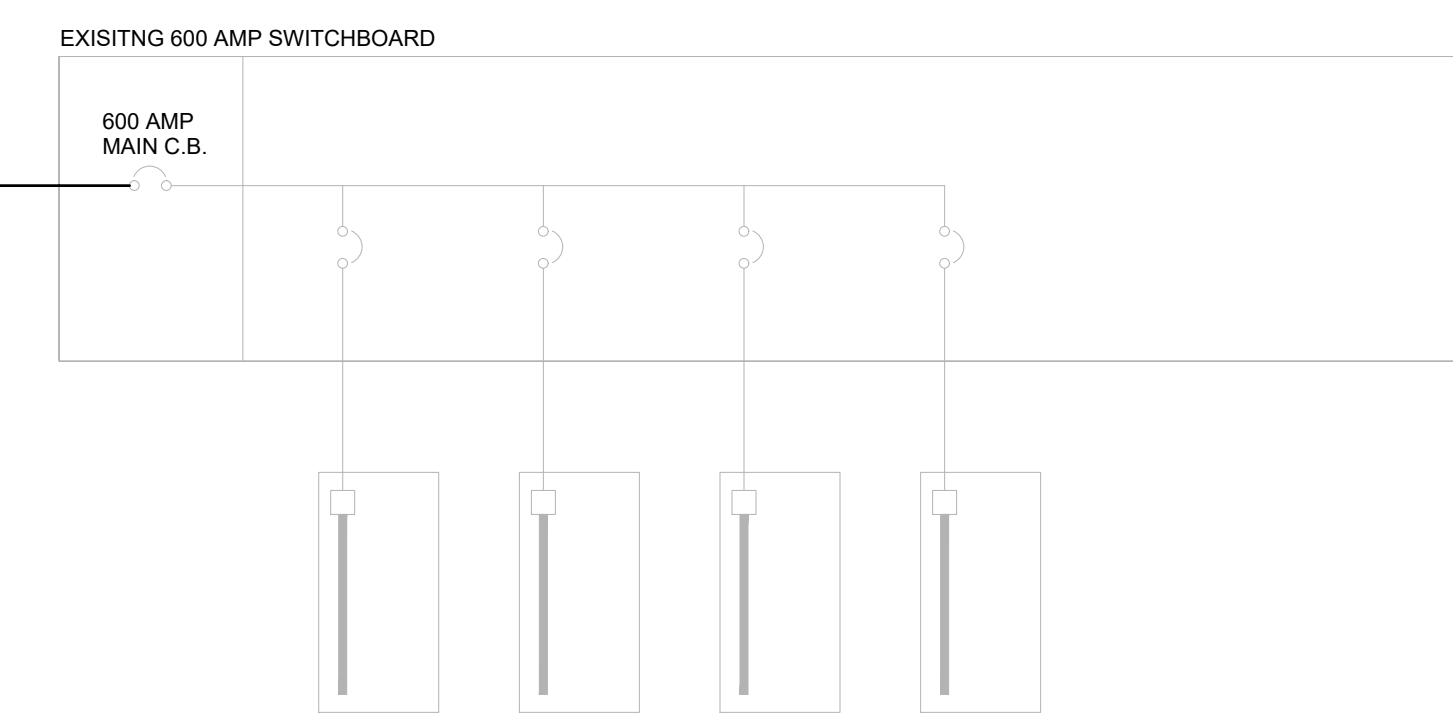
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HIGH DEMAND FOR EXISTING SERVICE AS SUPPLIED BY XCEL ENERGY METER # 45722T

MAXIMUM KILOWATT USAGE x 1.25% FACTOR AS CALLED FOR IN THE NEC	59.1
EQUATES TO AMPS (208V, 3Ø)	73.9
	205.1

EXISTING ONE-LINE DIAGRAM
NOT TO SCALE



- SWITCHGEAR NOTES:
1. THE SWITCHGEAR WILL HAVE AN INTERGAL TVSS SYSTEM.
 2. NOT USED.
 3. NOT USED.
 4. ALL THREE PHASE EQUIPMENT WILL BE OUTFITTED WITH PHASE LOSS PROTECTION.
 5. XCEL ENERGY WILL PROVIDE PULSE METERING FOR INTERFACE WITH THE HVAC DDC.

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MESA CO. CORRECTIONS FACILITY
ELECTRICAL - DETAILS
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E301