

<b>OCCUPANT LOAD TABLE:</b>					
MAXIMUM FLOOR AREA ALLOWANCES (IBC Table 1004.5)					
OCCUPANCY	FUNCTION OF SPACE	AREA (sf)	ACCESSORY	FACTOR	OCCUPANTS
B	OFFICE	5165	N	150	34.43333333
				SUB TOTAL:	34.43333333
				TOTAL:	35

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TENANT IMPROVEMENT  
5748 South Adams Avenue  
Washington Terrace, Utah

*Reviewed for Compliance*

*Tyler D. Seaman*

*Building Official*

*12/11/2020*

**THE CITY OF**  
*Washington Terrace*



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## Tenant Improvement

5748 South Adams Avenue  
Washington Terrace, Utah

MARK	DATE	DESCRIPTION
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ISSUE DATE:	1/1/2022
PROJECT NO:	2033
CAD DWG FILE:	
DRAWN BY:	Author
CHK'D BY:	Checker

## Project Status

01 January 202X

SHEET TITLE

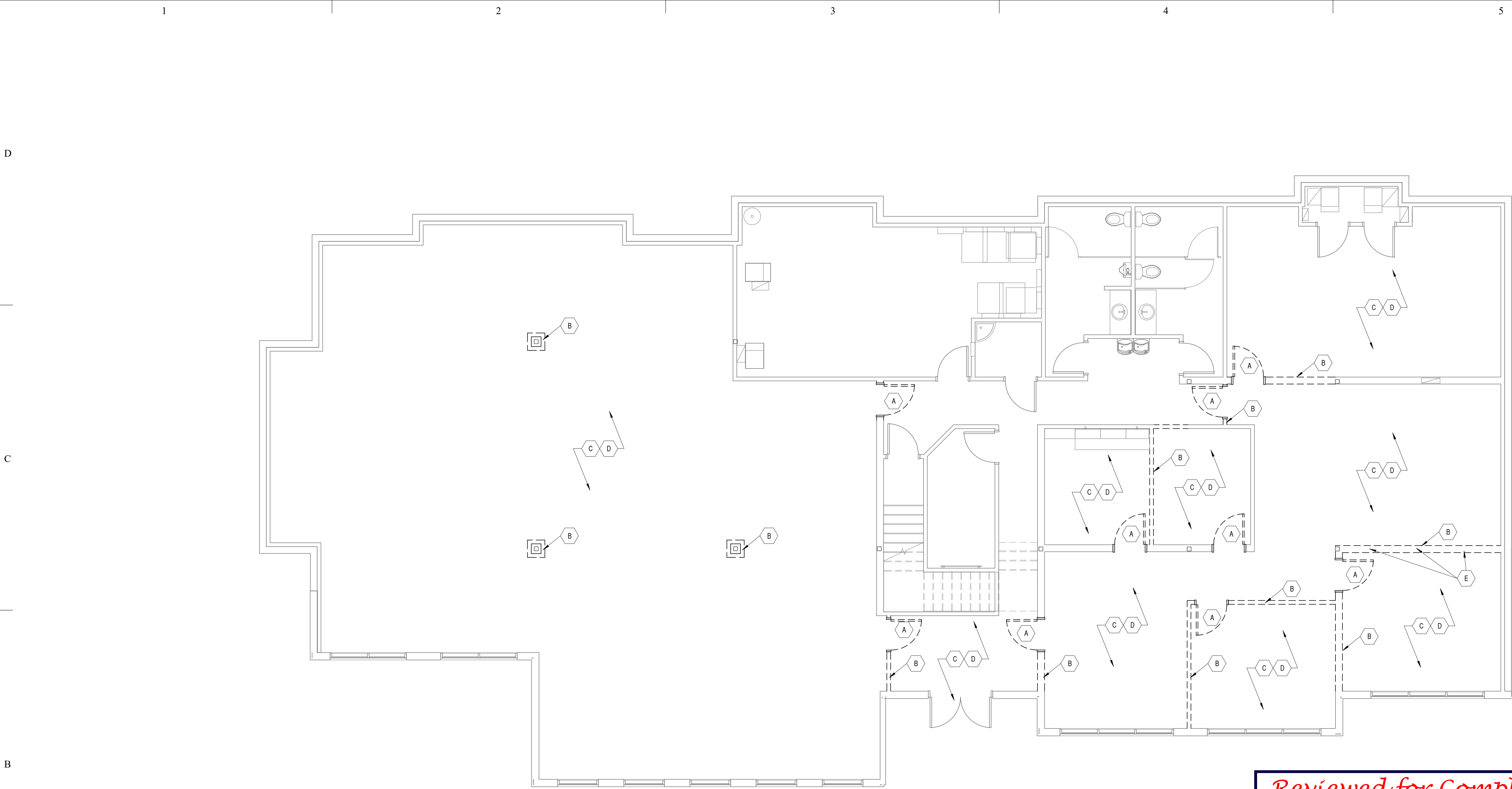
## CODE REVIEW & LIFE SAFETY

SHEET NO:

G100

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B3

DEMOLITION PLAN

3/16" = 1'-0"



DEMOLITION KEYED NOTES

MARK	NOTE
A	REMOVE (E) DOOR AND FRAME
B	REMOVE(SAWCUT (E) WALL PARTITION
C	REMOVE (E) FLOORING MATERIAL
D	REMOVE (E) ACOUSTIC CEILING TILE & GRID. COORDINATE REMOVAL OF DIFFUSERS AND LIGHTING WITH NEW WORK. SEE MECH. AND ELEC. SHEETS
E	REMOVE (E) WINDOWS

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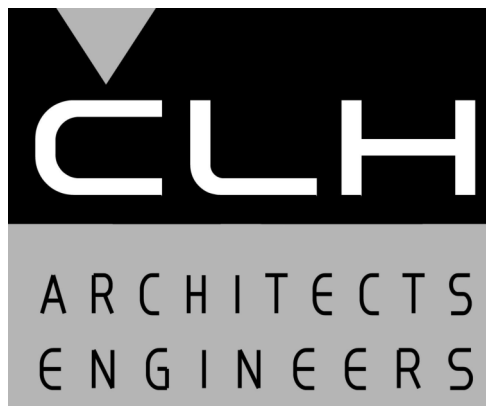
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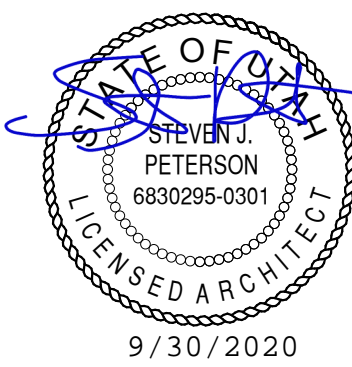
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Tenant  
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SHEET TITLE

DEMOLITION PLAN

SHEET NO:

D101



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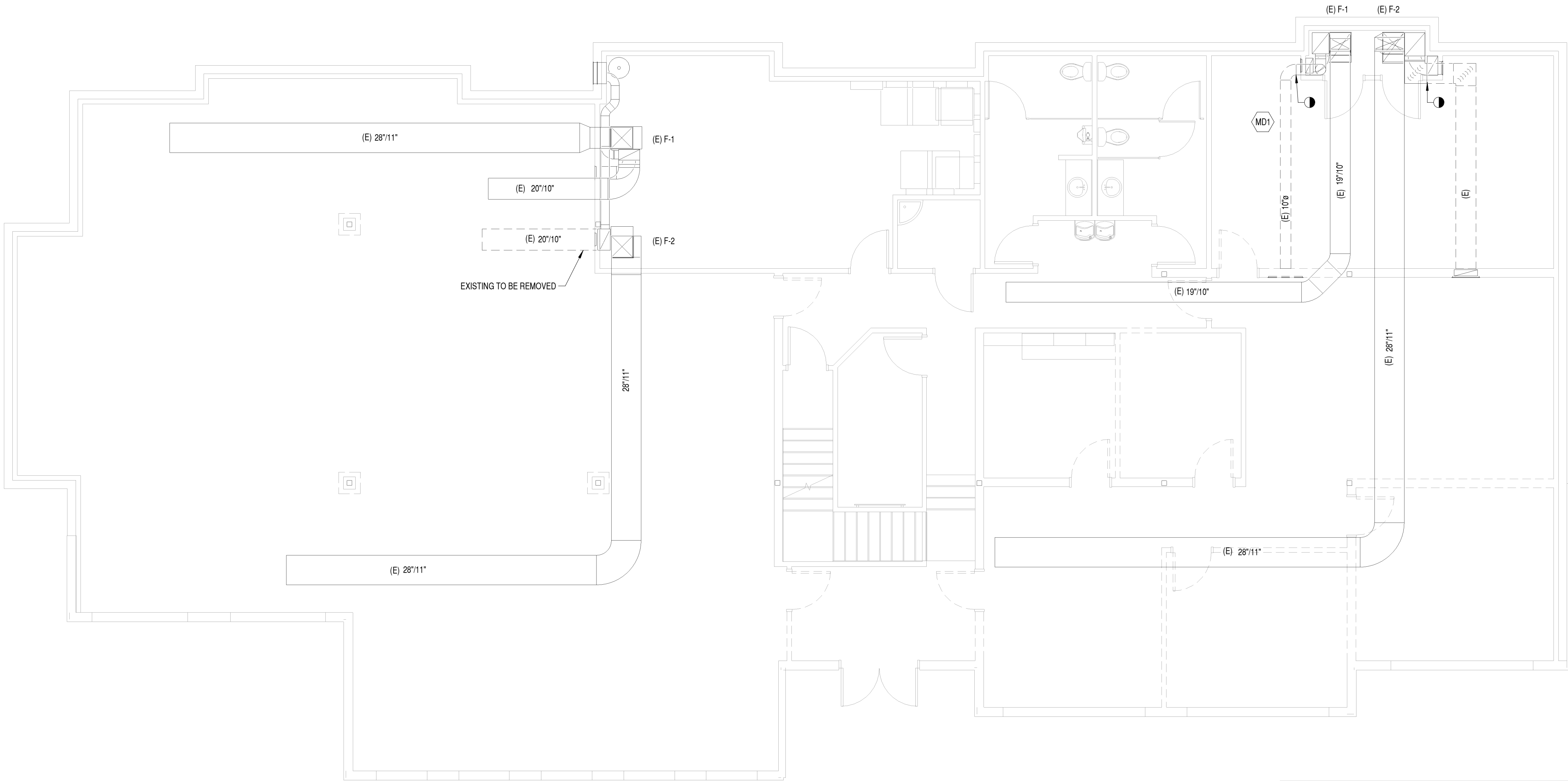
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**B1 MECHANICAL DEMOLITION PLAN**  
3/16" = 1'-0"  
0 4' 8' 12'

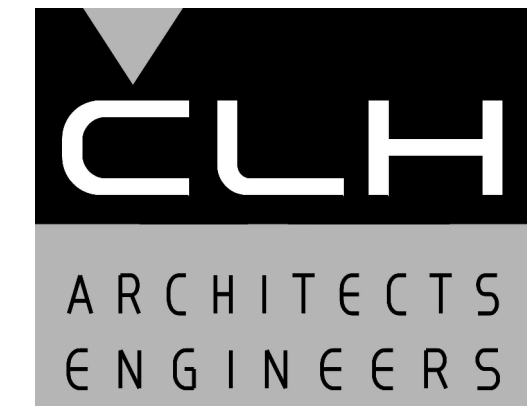
MECHANICAL DEMOLITION KEYED NOTES	
MARK	NOTE
MD1	EXISTING DUCTWORK TO BE RELOCATED. SEE SHEET M101.

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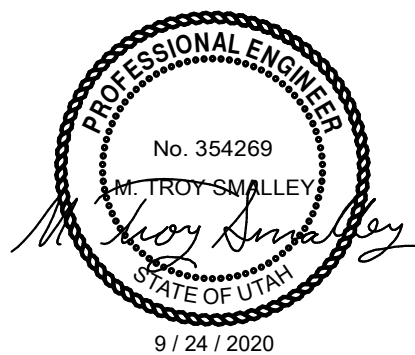
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DRAWN BY:	GM, JAC
CHK'D BY:	MTS

Permit Set

24 September 2020

SHEET TITLE

MECHANICAL  
DEMOLITION PLAN

SHEET NO:

MD101



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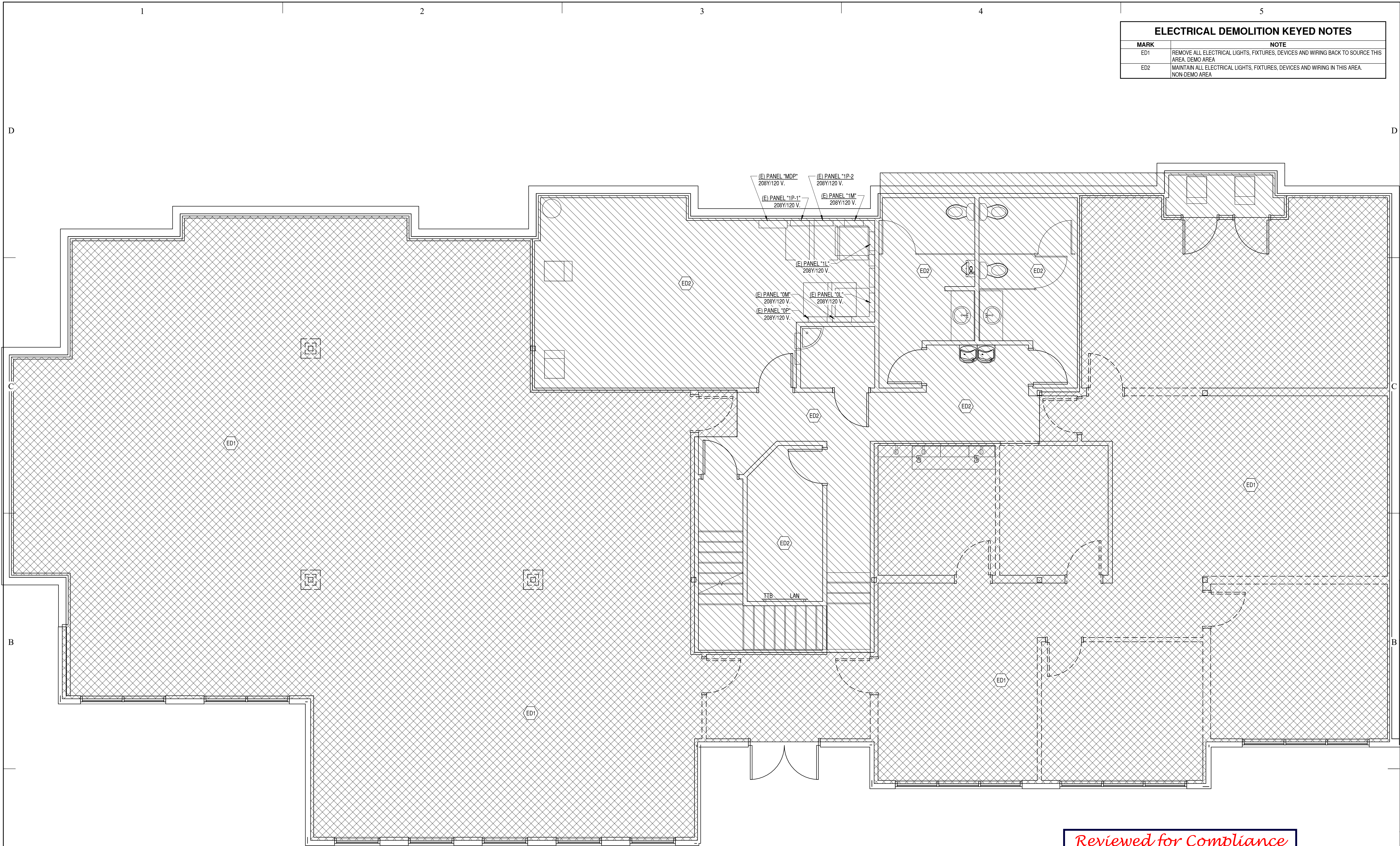
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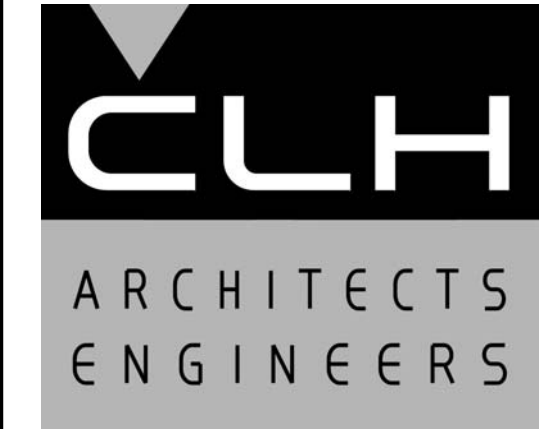
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A2 ELECTRICAL DEMOLITION PLAN  
1/4" = 1'-0"

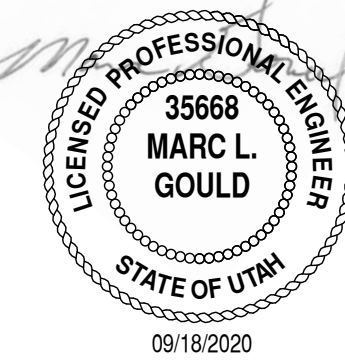
ELECTRICAL DEMOLITION KEYED NOTES	
MARK	NOTE
ED1	REMOVE ALL ELECTRICAL LIGHTS, FIXTURES, DEVICES AND WIRING BACK TO SOURCE THIS AREA. DEMO AREA
ED2	MAINTAIN ALL ELECTRICAL LIGHTS, FIXTURES, DEVICES AND WIRING IN THIS AREA. NON-DEMO AREA



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PROJECT NO:	20330
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DRAWN BY:	J.M.S.
CHK'D BY:	M.L.G.

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SHEET TITLE

ELECTRICAL  
DEMOLITION PLAN

SHEET NO:

ED101

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ARCHITECTURAL NOTES

- THE ARCHITECTURAL DRAWINGS ARE THE PRIMARY CONTRACT DOCUMENTS. ANY CONFLICTS BETWEEN ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS AND/OR DRAWINGS OF OTHER DISCIPLINES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO AY WORK. ITEMS AND DIMENSIONS BETWEEN EXISTING AND NEW PORTIONS OF THE PROJECT SHALL BE VERIFIED TO ENSURE COORDINATION.
- THE CONTRACTOR SHALL SUBMIT ANY PROPOSED CHANGES OR MODIFICATIONS OF THE CONTRACT DOCUMENTS, IN WRITING, TO THE ARCHITECT BEFORE PROCEEDING WITH ANY ACTION.
- WHERE SPECIFIC DETAILS ARE NOT PROVIDED, TYPICAL OR SIMILAR INDUSTRY STANDARD DETAILS SHALL APPLY. IF FURTHER DETAIL IS REQUIRED CONTACT ARCHITECT.
- DETAILS ARE PROVIDED FOR VISUAL REPRESENTATION OF DESIGN INTENT. OFTEN THE DETAILS ARE BASED ON A BASIS-OF-DESIGN PRODUCT AND/OR MATERIAL AND MAY BE DIAGRAMMATIC IN NATURE.
- IF A DIFFERENT PRODUCT OR MATERIAL FROM THAT INDICATED ON THE DRAWINGS OR SPECIFICATIONS IS SUBSTITUTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALTERNATE DETAILS AS REQUIRED FOR THE ARCHITECT TO REVIEW.
- GENERALLY, DIMENSIONS SHOWN OF ARCHITECTURAL DRAWINGS ARE TAKEN FROM THE CORE STRUCTURE FACE (IE. CONCRETE WALL=FACE OF WALL; STUD WALL=FACE OF STUD).
- ANY ADDITIONAL BLOCKING, BRACING, TRIM, FLASHING, SEALANTS, ETC. REQUIRED FOR INSTALLATION OF COMPLETE SYSTEMS. PERTAINING TO DOORS, WINDOWS, OPENINGS, PENETRATIONS, ETC. ARE EXPECTED TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
- ASSUME ALL GYP. BD. WALLS TO HAVE TOPSET RUBBER BASE INSTALLED UNLESS NOTED OTHERWISE.
- PROVIDE SEALANT OR TRIM AS APPROPRIATE WHERE DISSIMILAR MATERIALS COME IN CONTACT.
- PROVIDE FLOORING TRANSITION WHERE DISSIMILAR FLOORING MATERIALS OCCUR.
- PAINT ALL MISCELLANEOUS SURFACES, SUPPORTS, METALS, ETC. IF PERMANENTLY ATTACHED TO PAINTED SURFACE OR EXPOSED TO THE ELEMENTS.

SYMBOLS	
	VIEW TITLE
	GRAPHIC SCALE
	NORTH ARROW w/ TRUE NORTH
	GRID INDICATOR
	SECTION CALLOUT
	DETAIL CALLOUT
	DETAIL CALLOUT
	ELEVATION CALLOUT
	LEVEL / ELEVATION CALLOUT
	SPOT ELEVATION CALLOUT
	ROOF SLOPE INDICATOR
	ROOM TAG
	DOOR TAG
	WALL TAG
	WINDOW TAG
	DEMOLITION KEYNOTE
	FIRE RISER

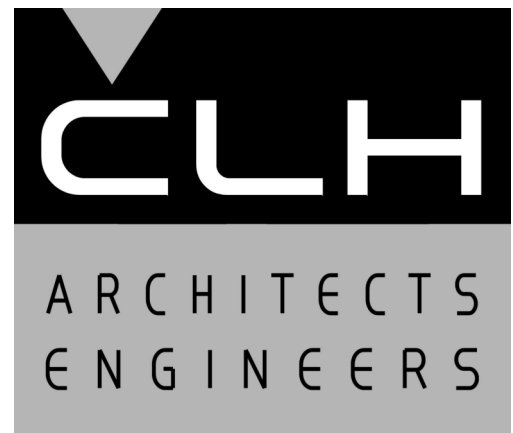
ABBREVIATIONS			
& L @ #	AND ANGLE AT POUND OR NUMBER	JAN JST JT	JANITOR JOIST JOINT
AC A.F.F. ALUM APPROX ARCH ASPH	ACOUSTICAL ABOVE FINISH FLOOR ALUMINUM APPROXIMATE ARCHITECTURAL ASPHALT	K.O. LAM LAV	KNOCK OUT LAMINATE LAVATORY
BD BITUM BLDG BLKG BRG BTM	BOARD BITUMINOUS BUILDING BLOCKING BEARING BOTTOM	MAX MAS MECH MEMB MTL MFTR MH MIN MISC M.O. MTD	MAXIMUM MASONRY MECHANICAL MEMBRANE METAL MANUFACTURER MANHOLE MINIMUM MISCELLANEOUS MASONRY OPENING MOUNTED
C C.I. C.J. C.L. C.LG CLR C.M.U. C.O. C.O.T.G. COL CONC CONN CONSTR CONT C.T. CTR	TOP OF FINISH CONCRETE CAST IRON CONTROL JOINT CENTER LINE CEILING CLEAR CONCRETE MASONRY UNIT CLEAN OUT CLEAN OUT AT GRADE COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CERAMIC TILE CENTER	N N.I.C. NO or # NOM N.T.S. O.C. O.D. OFF OH OPNG OPP	NORTH NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE ON CENTER OUTSIDE DIAMETER (DIM) OFFICE OVERHEAD OPENING OPPOSITE
D.C.W. D.H.W. D.F. DTL DIA DIM DISP DN DRN DS DWG	DOMESTIC COLD WATER DOMESTIC HOT WATER DRINKING FOUNTAIN DETAIL DIAMETER DIMENSION DISPENSER DOWN DRAIN DOWNSPOUT DRAWING	PL PLAM PLYWD P.O.C. PNL PR PT	PLATE PLASTIC LAMINATE PLYWOOD POINT OF CONNECTION PANEL PAIR POINT
E EA E.I.F.S. E.J. EL ELEC ENGR EQ EQUIP (E) EXP EXT	EAST EACH EXTERIOR INSULATION FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRICAL ENGINEER EQUAL EQUIPMENT EXISTING EXPANSION EXTERIOR	Q.T. RAD R.D. REF REINF REQD RESIL RFG RM RS R.O.	QUARRY TILE RADIUS ROOF DRAIN REFERENCE REINFORCED REQUIRED RESILIENT ROOFING ROOM RESINOUS FLOORING ROUGH OPENING
F.A. F.D. FON F.E. F.E.C. FIN FLR FLASH FLUOR F.O. F.R. FT FTG FUT	FIRE ALARM FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FLASHING FLUORESCENT FACE OF FIRE RATED FOOR OR FEET FOOTING FUTURE	S SCH SECT SHT SIM SPECS SQ S.S. S.ST STD STL STOR STR SUSP SYM SYS	SOUTH SCHEDULE SECTION SHEET SIMILAR SPECIFICATION SQUARE SANITARY SEWER STAINLESS STEEL STANDARD STEEL STORAGE STRUCTURAL SUSPENDED SYMMETRICAL SYSTEM
GA GALV GND GR G.W.B. GYP	GAUGE GALVANIZED GROUND GRADE GYPSUM WALL BOARD GYPSUM	TLT TRTD T & B T.O. TRANS TYP	TOILET (ROOM) TREATED (PRESERVATIVE) TOP & BOTTOM TOP OF TRANSFORMER TYPICAL
H.B. HC H.M. HORIZ HGT	HOSE BIBB HANDICAP HOLLOW METAL HORIZONTAL HEIGHT	U.N.O. UT	UNLESS NOTED OTHERWISE URINAL
I.D. IN INSUL INT	INSIDE DIAMETER (DIM) INCH, INCHES INSULATION INTERIOR	VERT VEST	VERTICAL VESTIBULE
		W w/ WC WD W/O WP	WEST WITH WATER CLOSET WOOD WITHOUT WATERPROOF

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Building Official

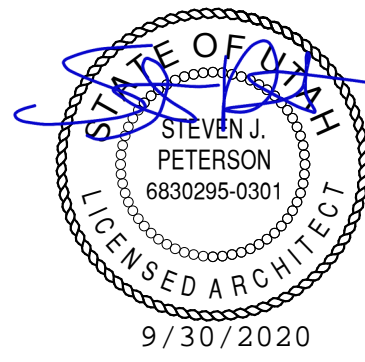
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Improvement

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Washington Terrace, Utah

MARK DATE DESCRIPTION

ISSUE DATE: 1/1/202X  
PROJECT NO: 20330  
CAD DWG FILE:  
DRAWN BY: Author  
CHK'D BY: Checker

Project Status

01 January 202X

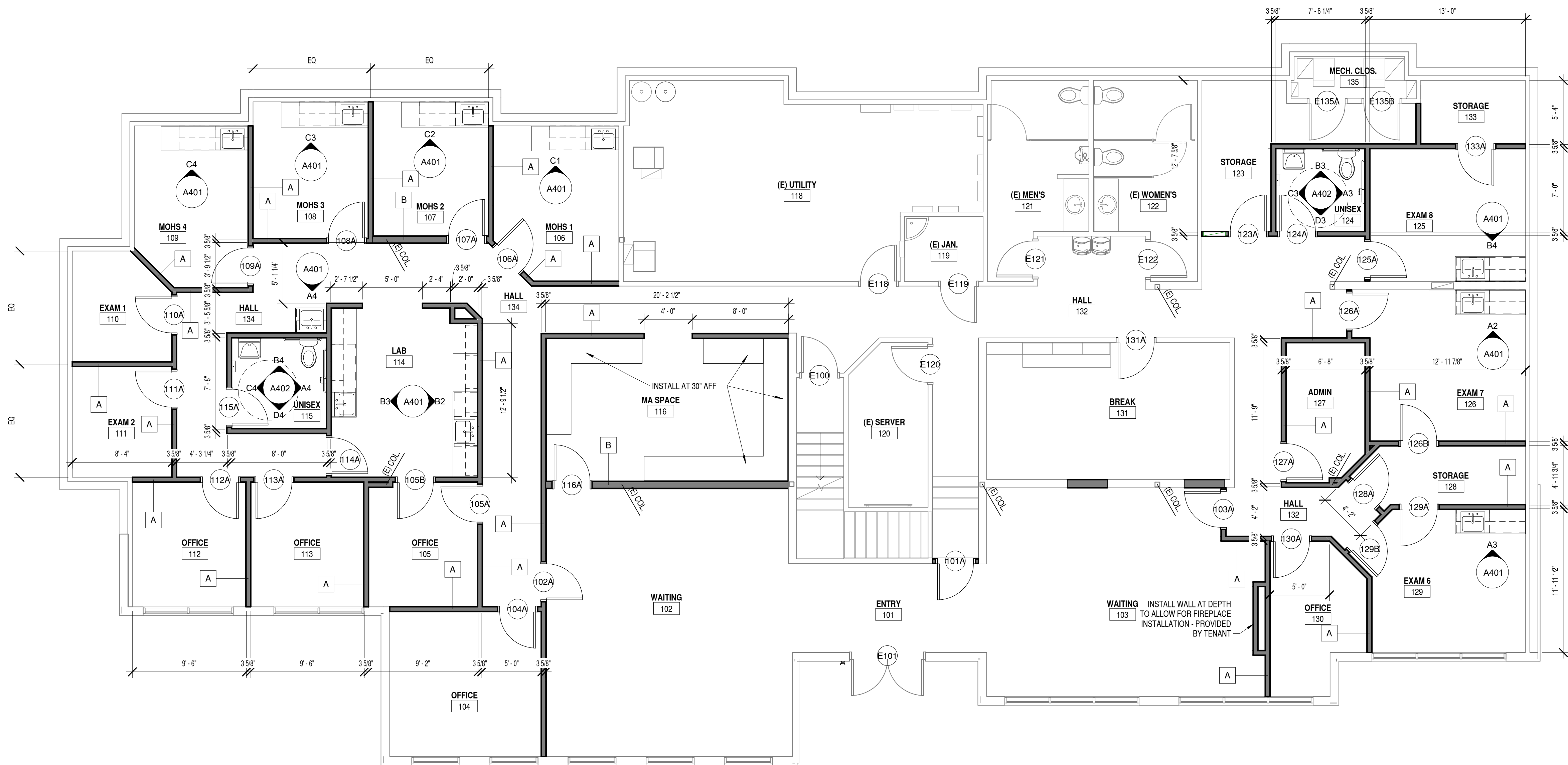
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ARCHITECTURAL  
NOTES

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B3 FLOOR PLAN

3/16" = 1'-0"



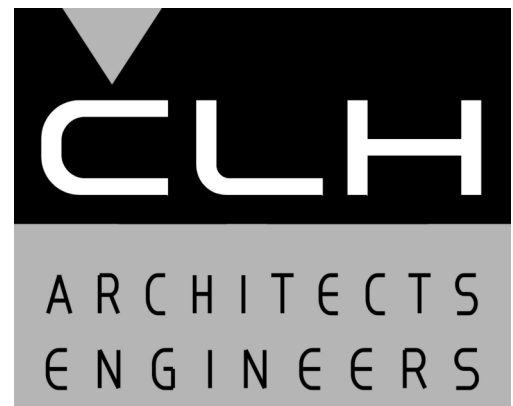
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SHEET TITLE

FLOOR PLAN

SHEET NO:

A101



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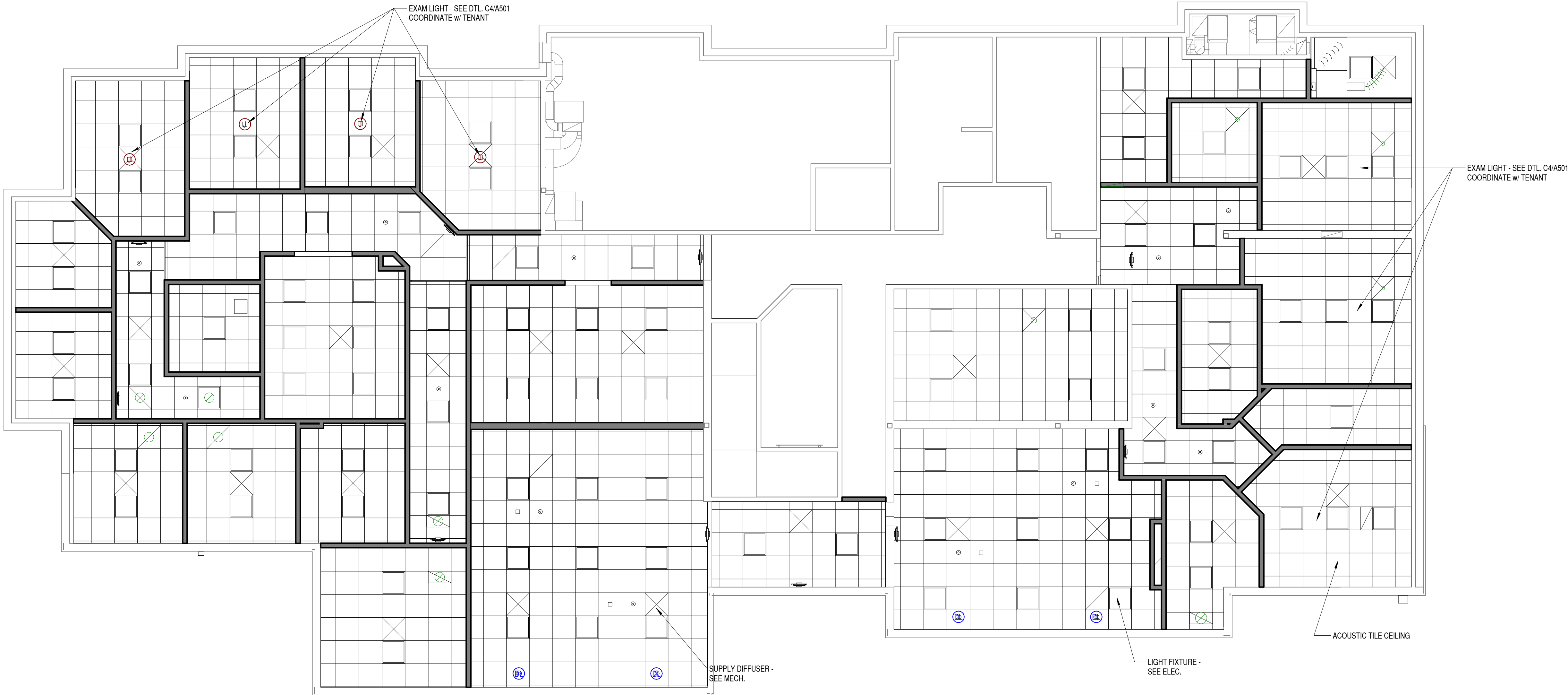
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**B3 REFLECTED CEILING PLAN**  
3/16" = 1'-0"

Hard lid ceilings are not  
required by code in  
bathrooms but are  
recommended for privacy.

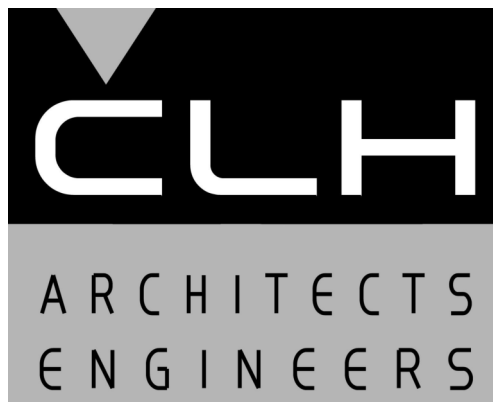
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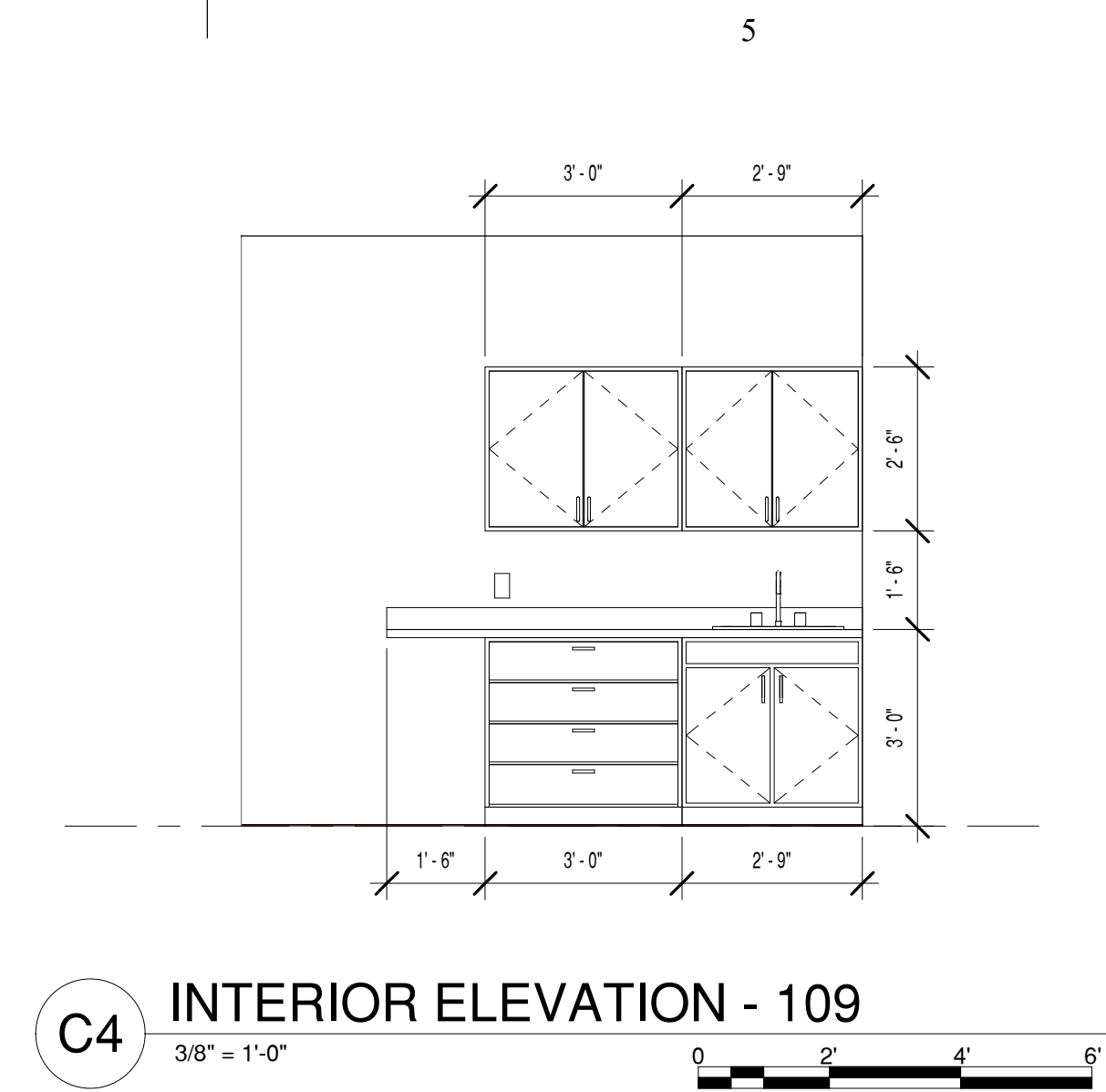
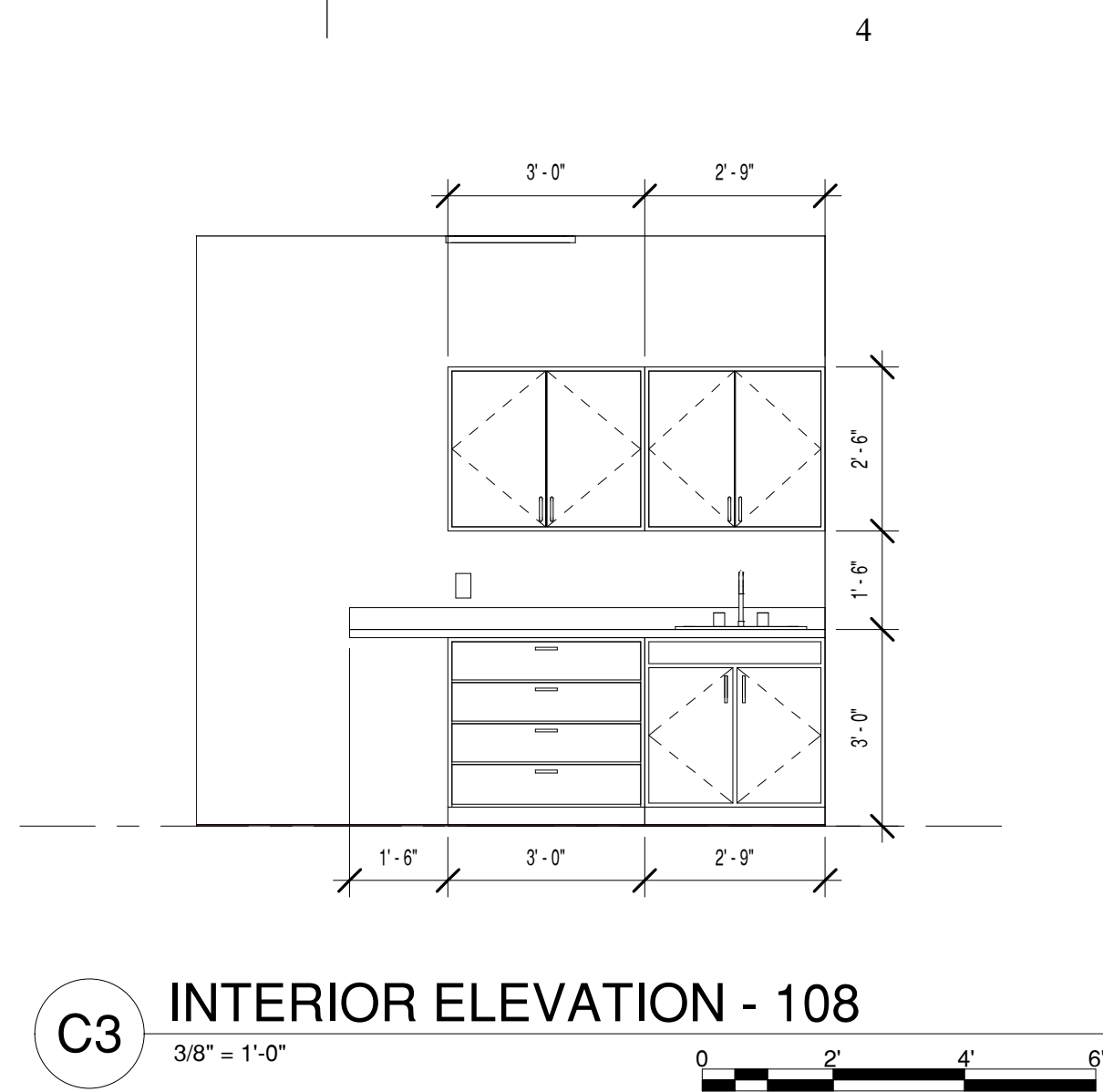
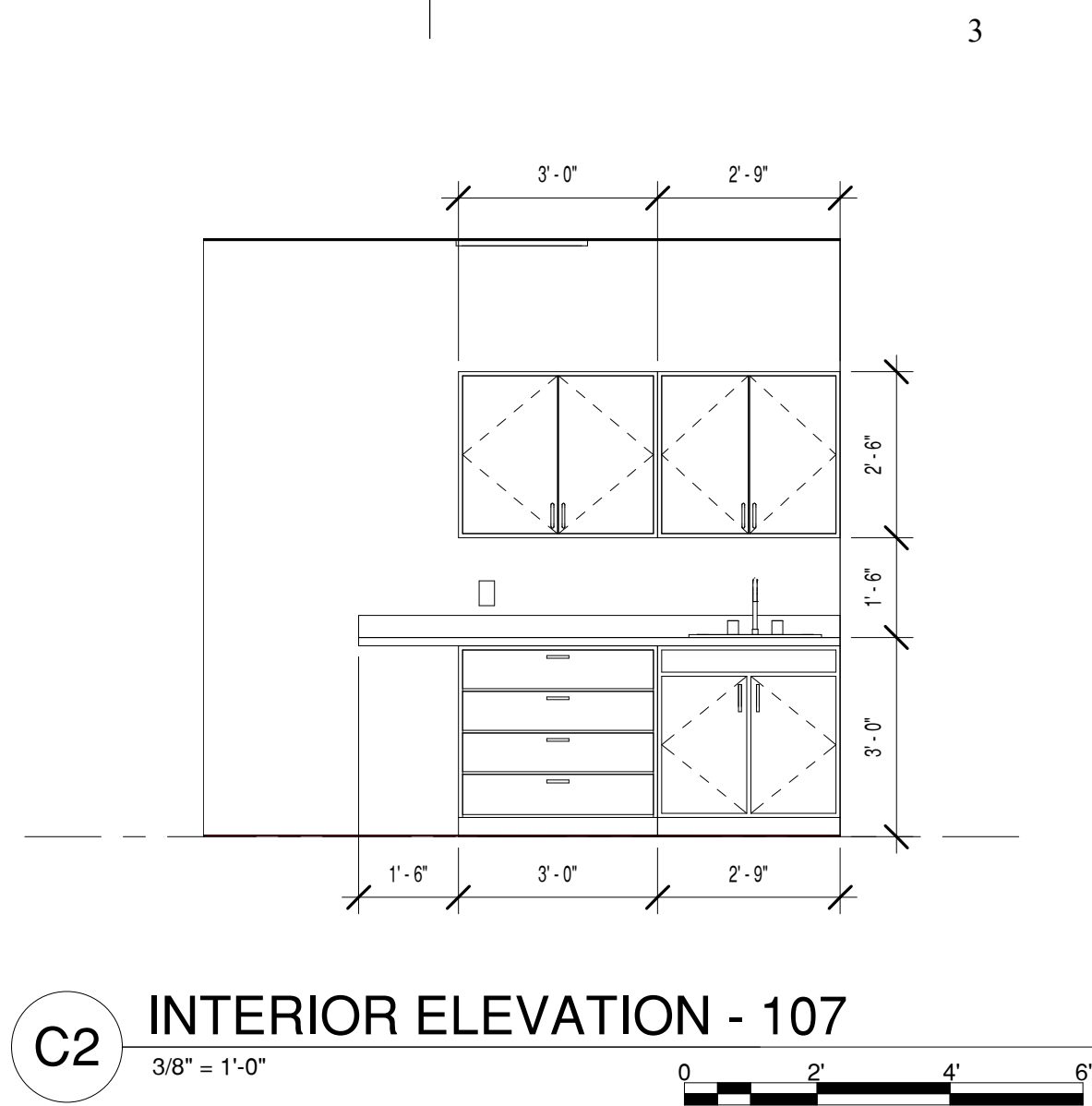
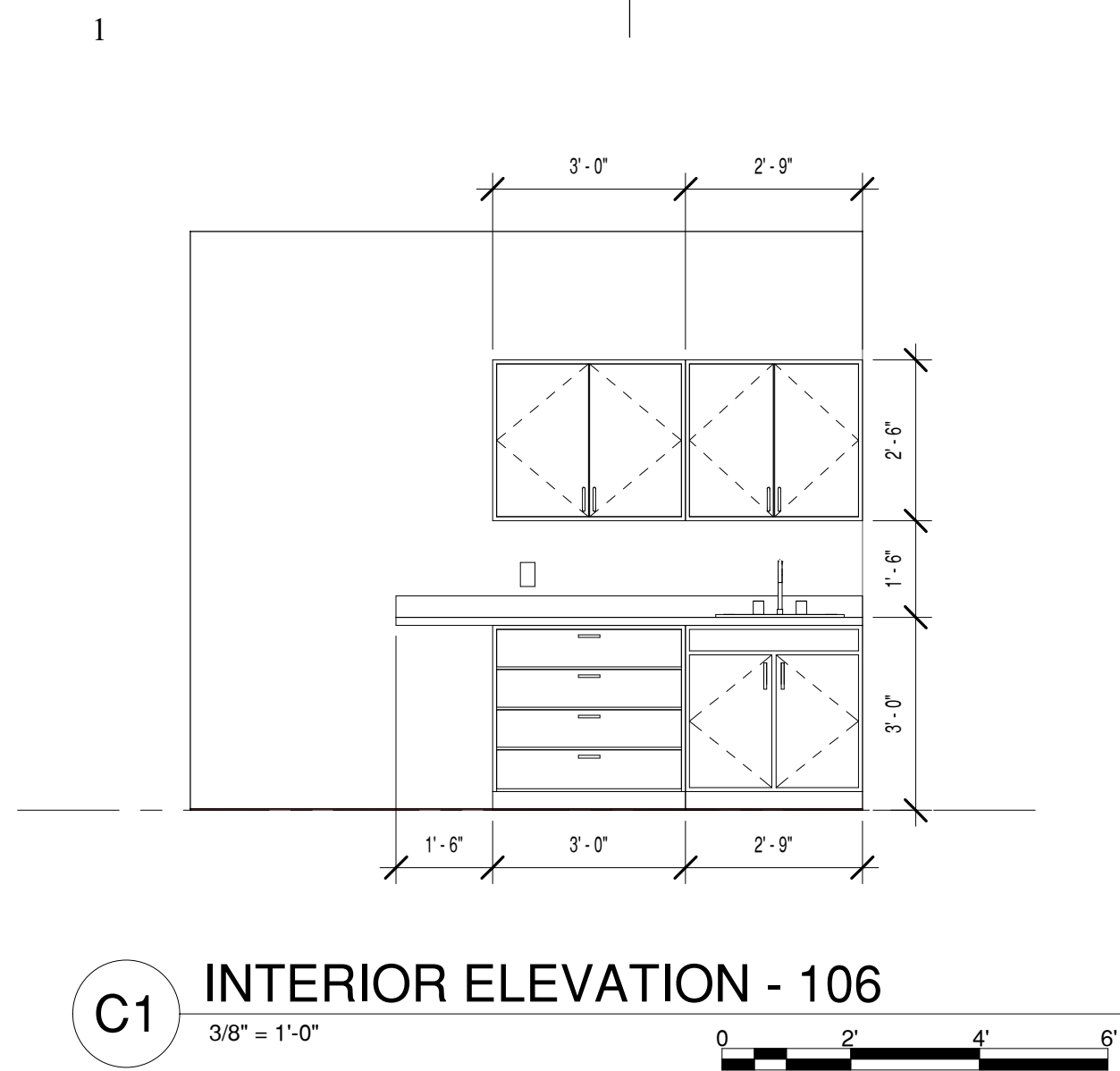
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PLAN

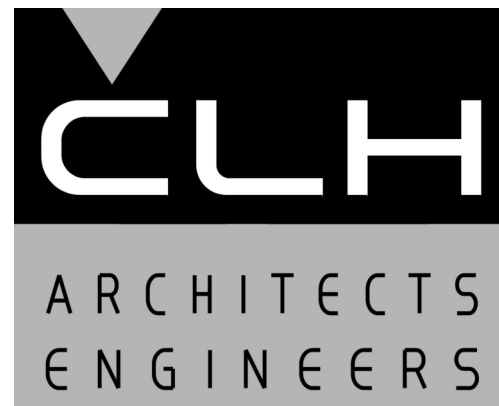
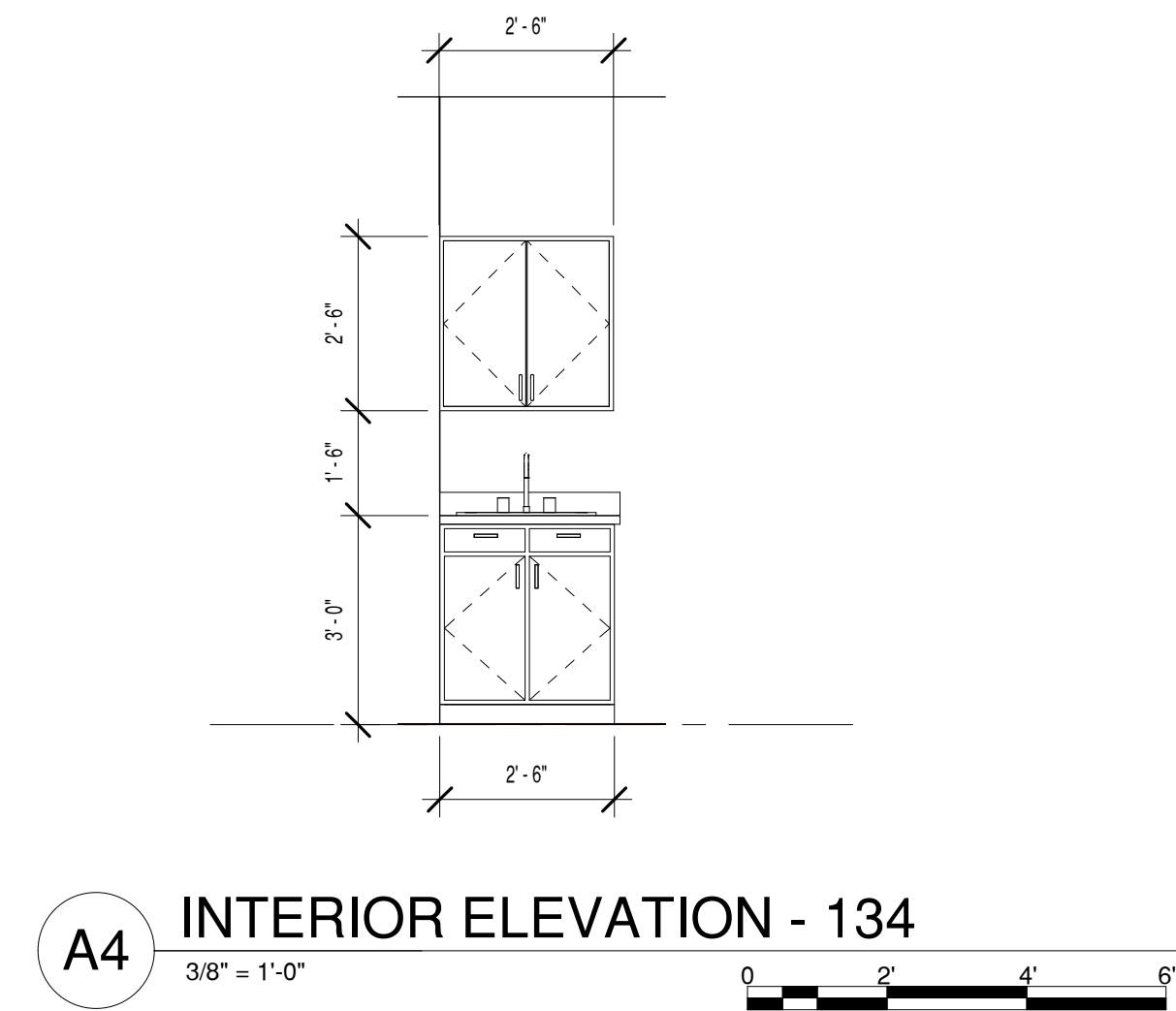
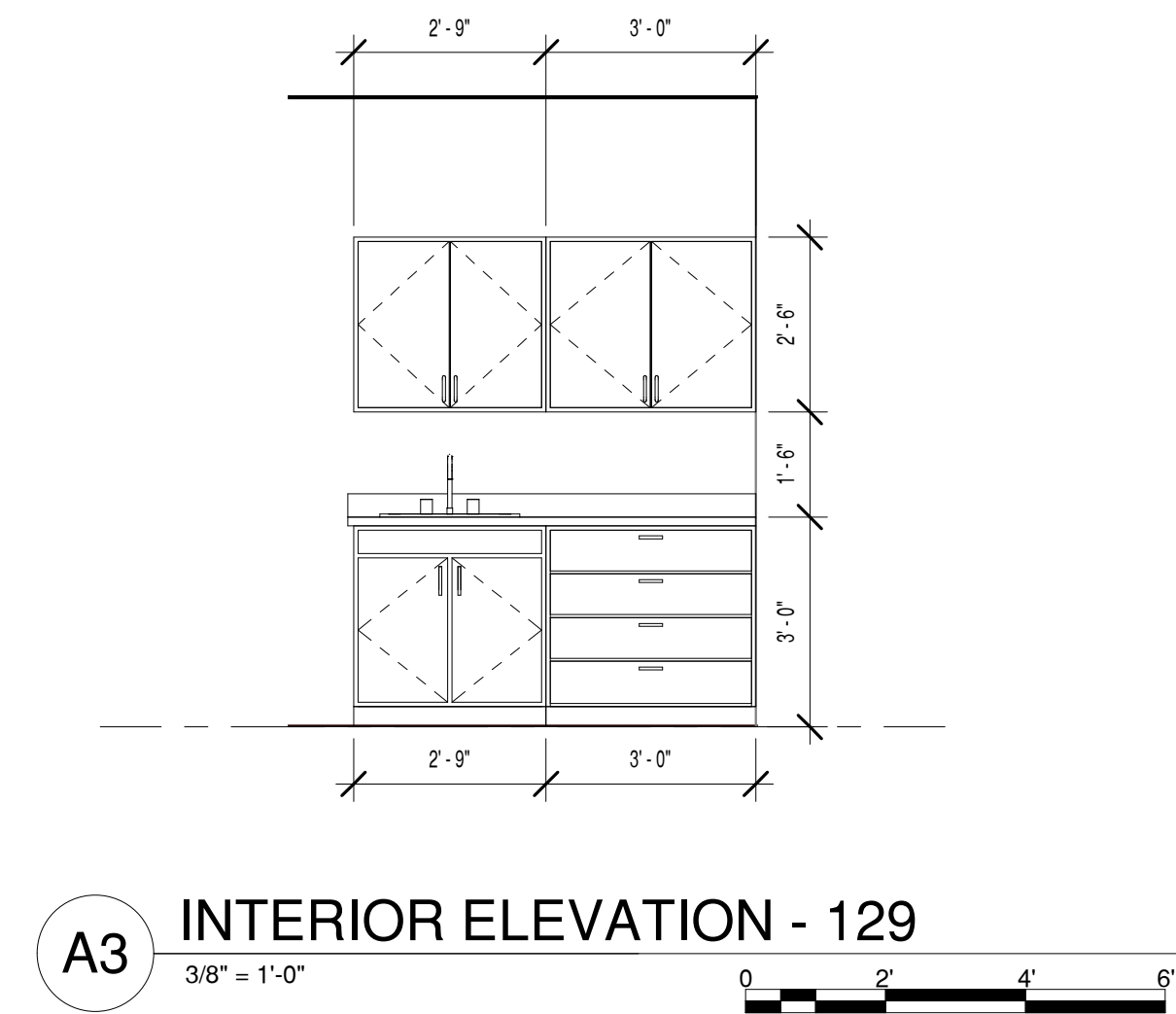
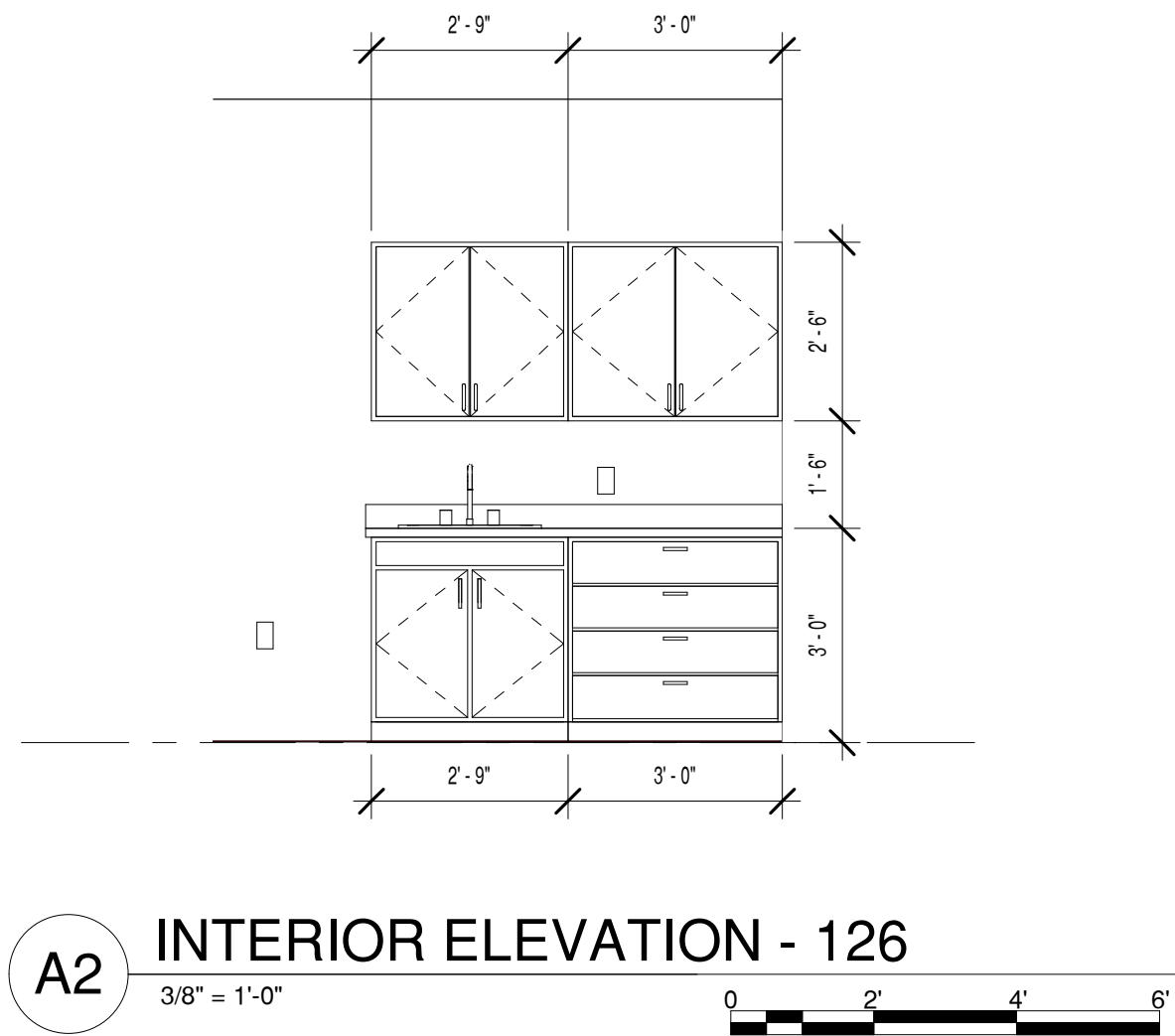
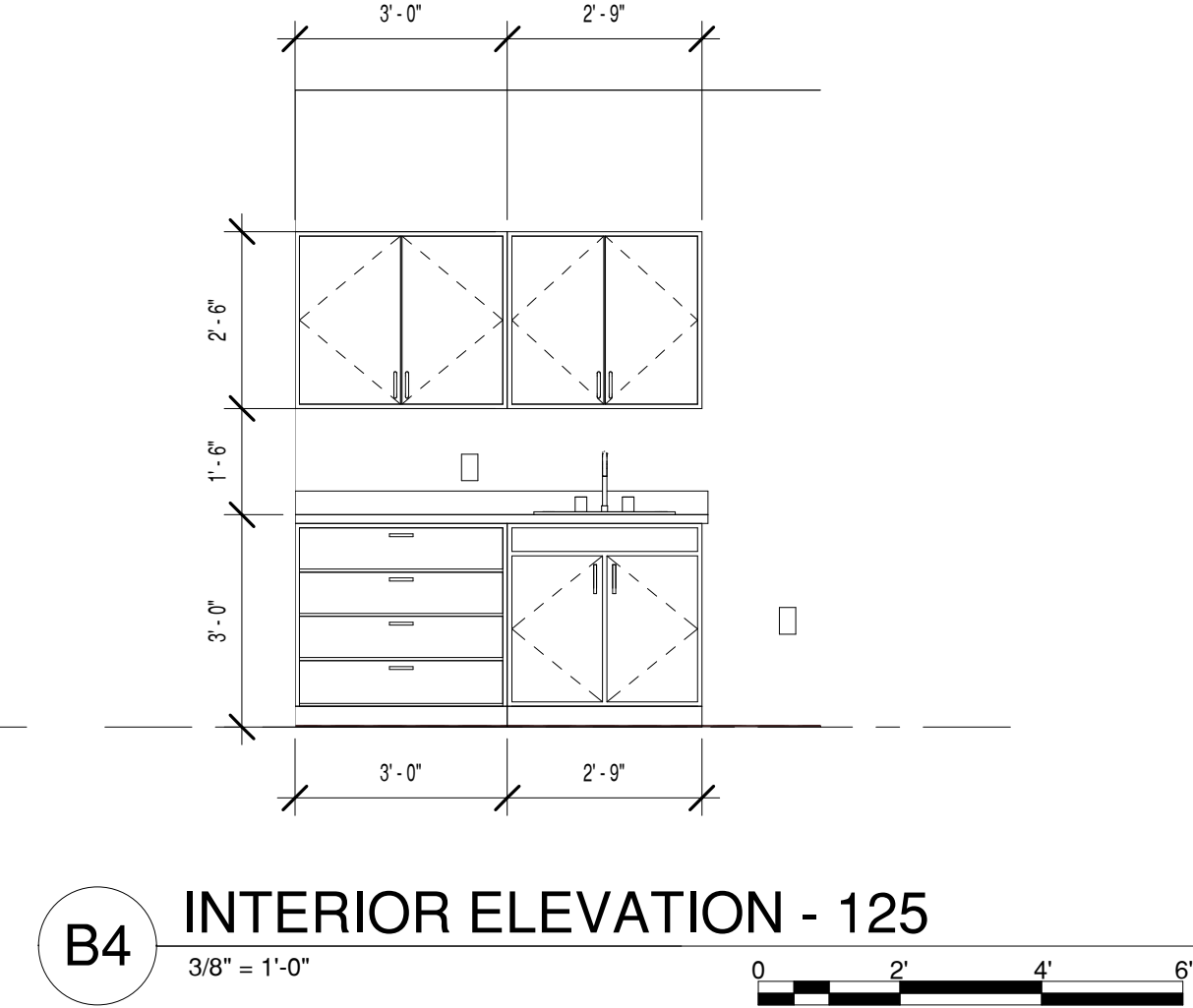
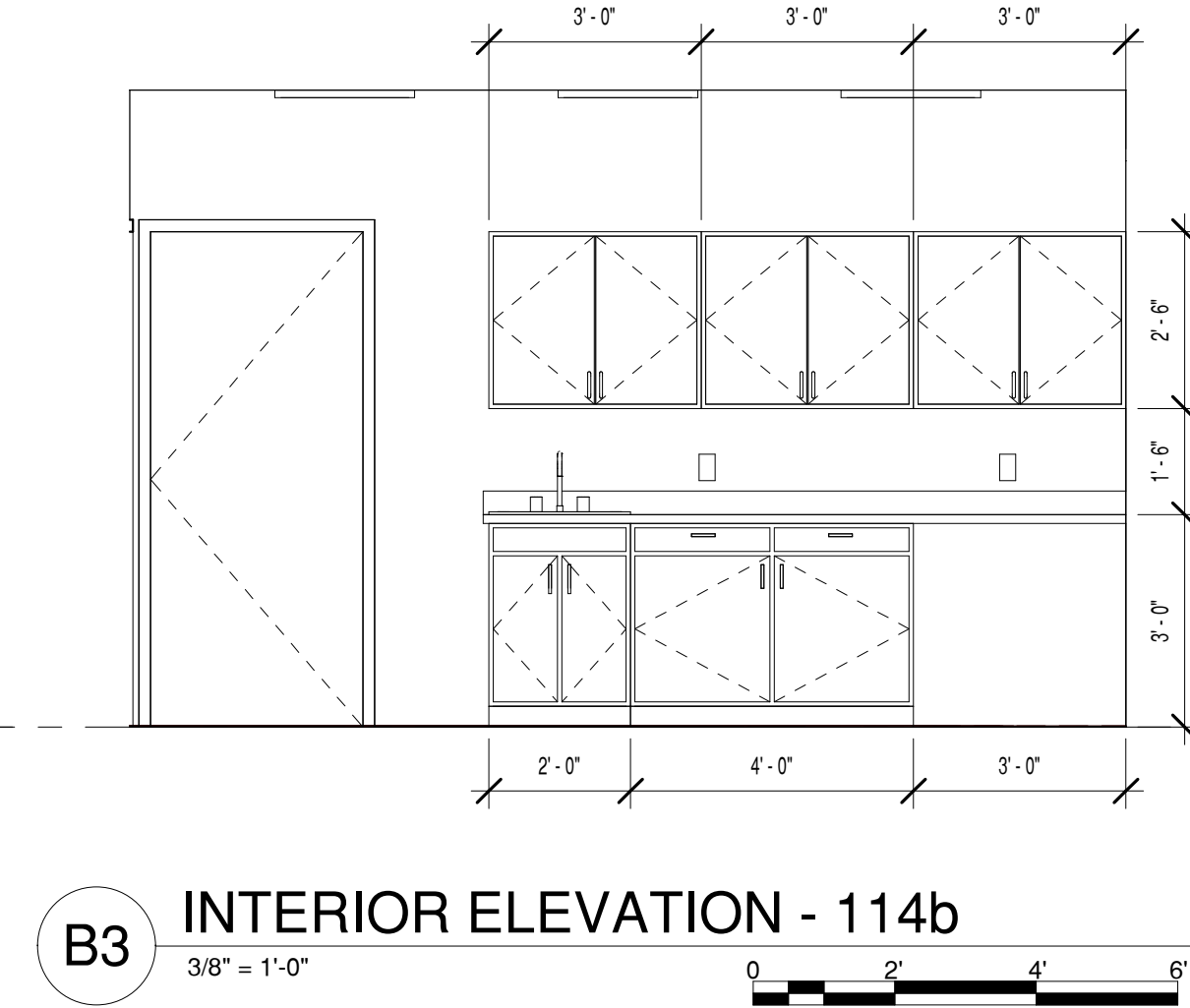
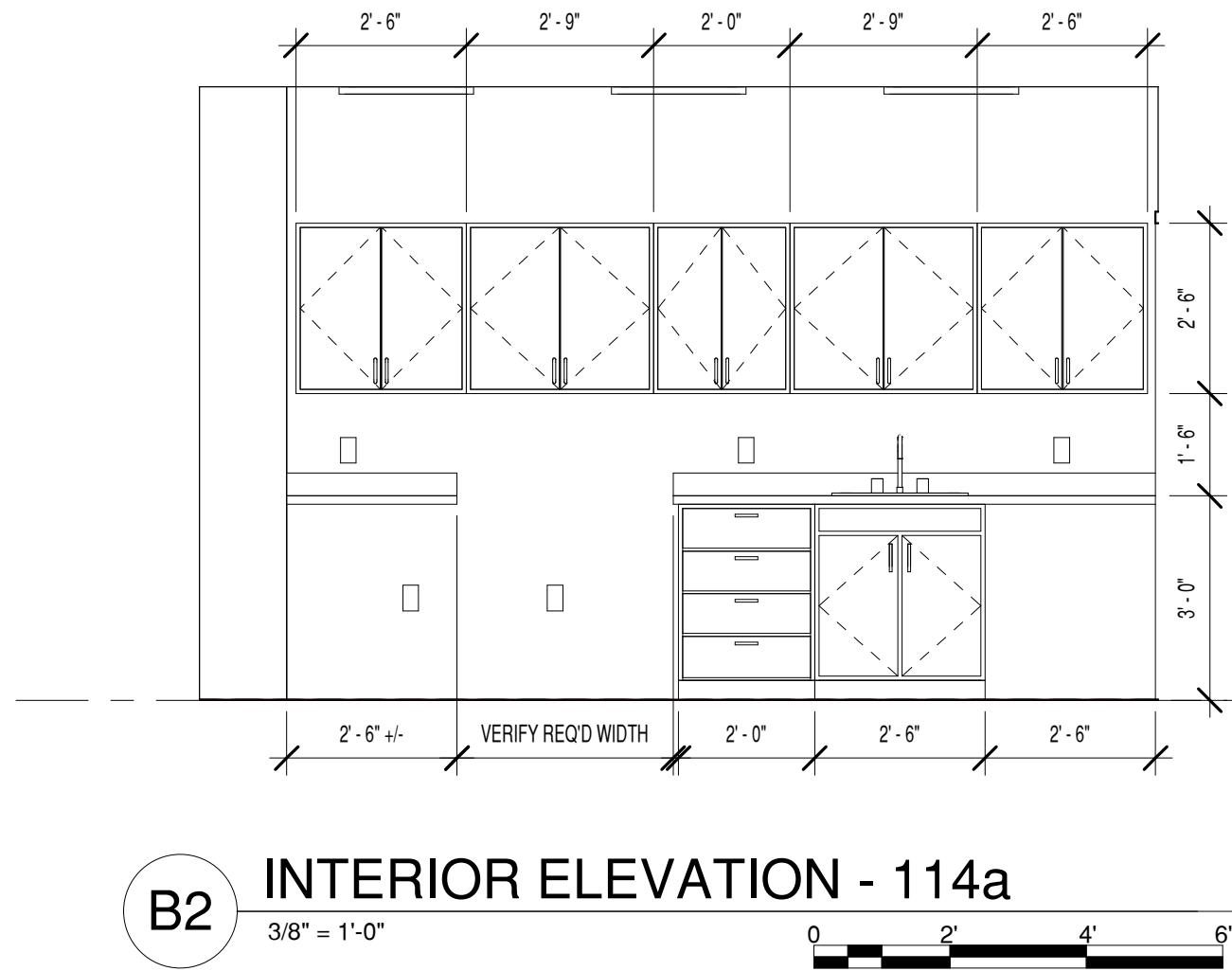
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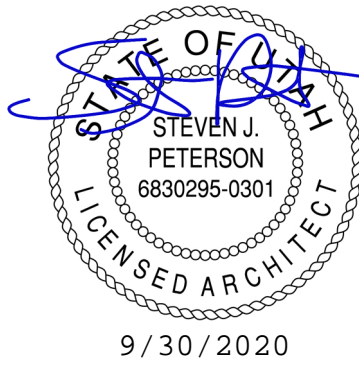
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SHEET TITLE

INTERIOR  
ELEVATIONS

SHEET NO:

A401

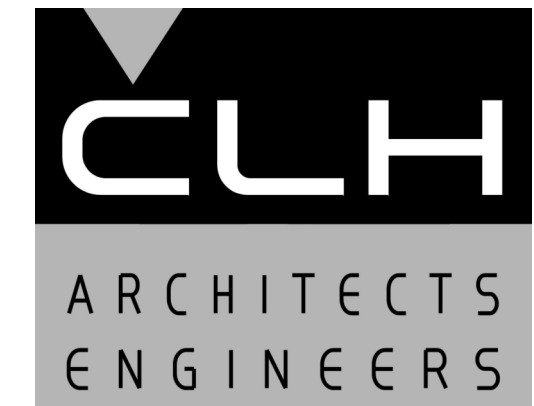
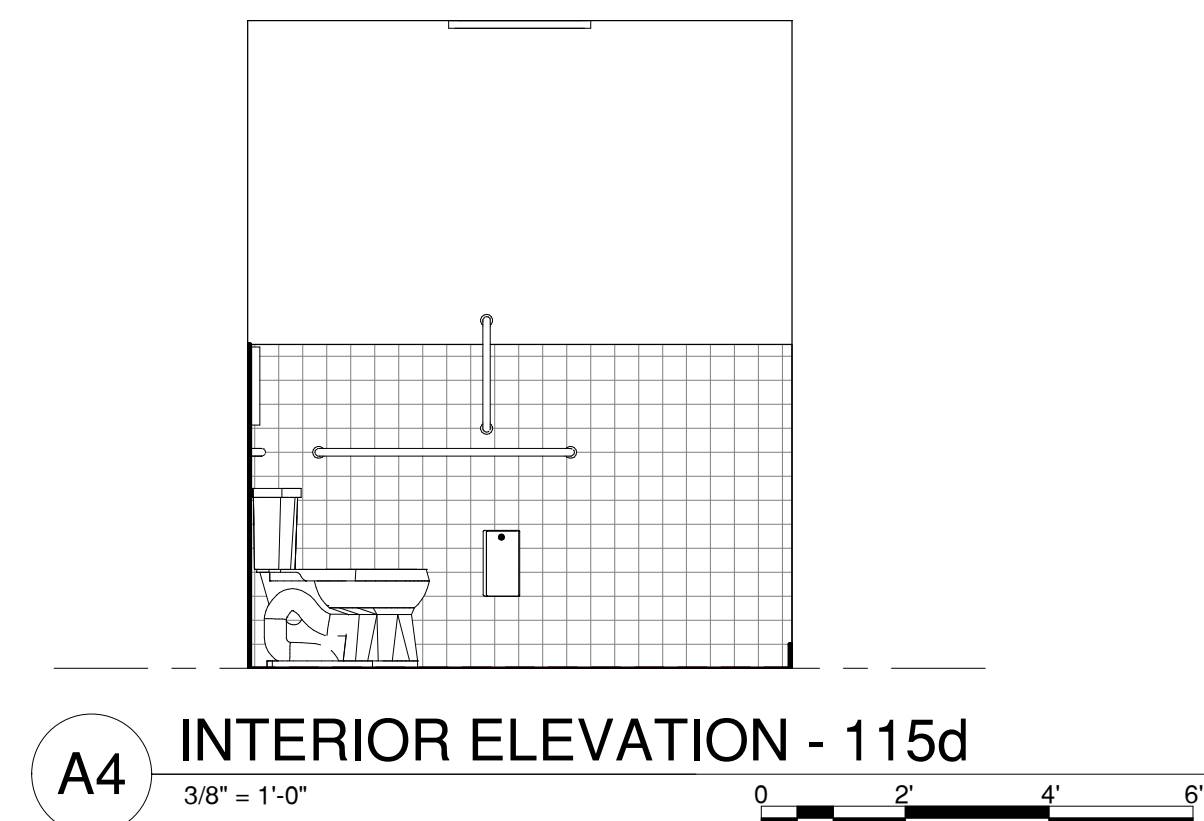
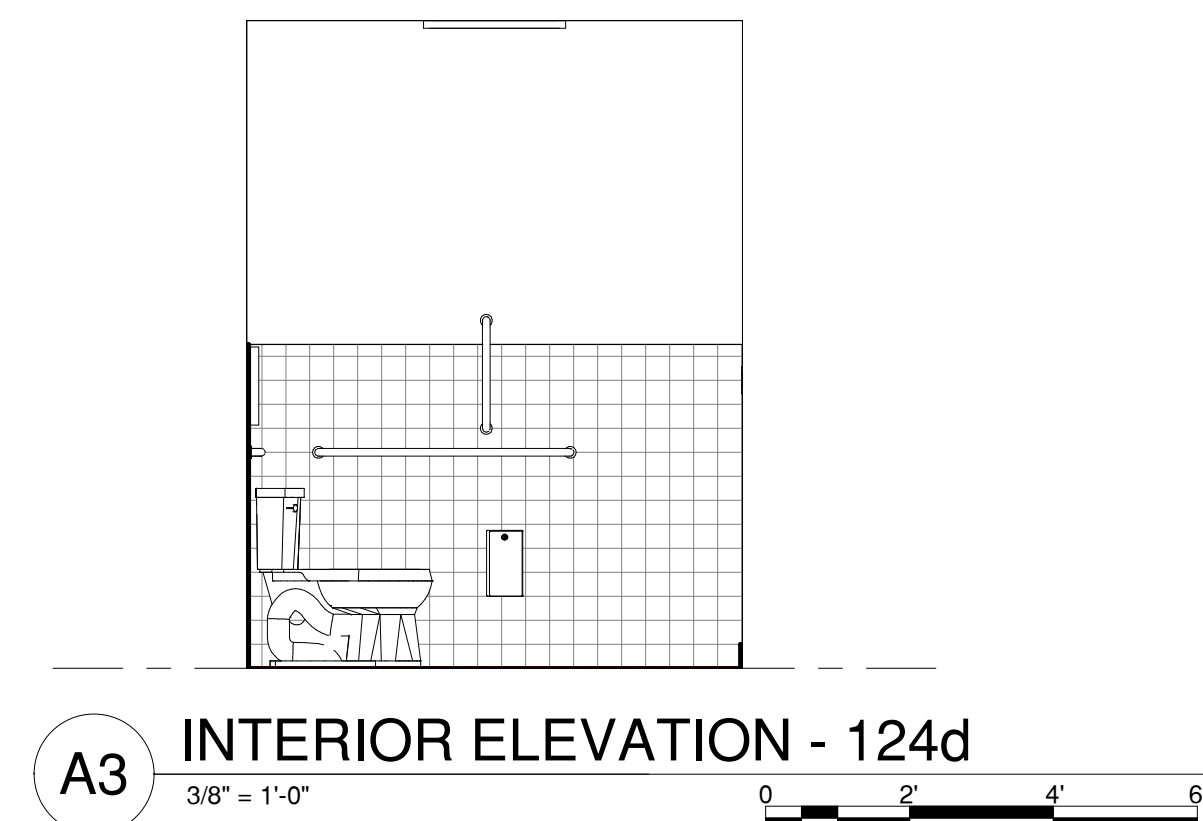
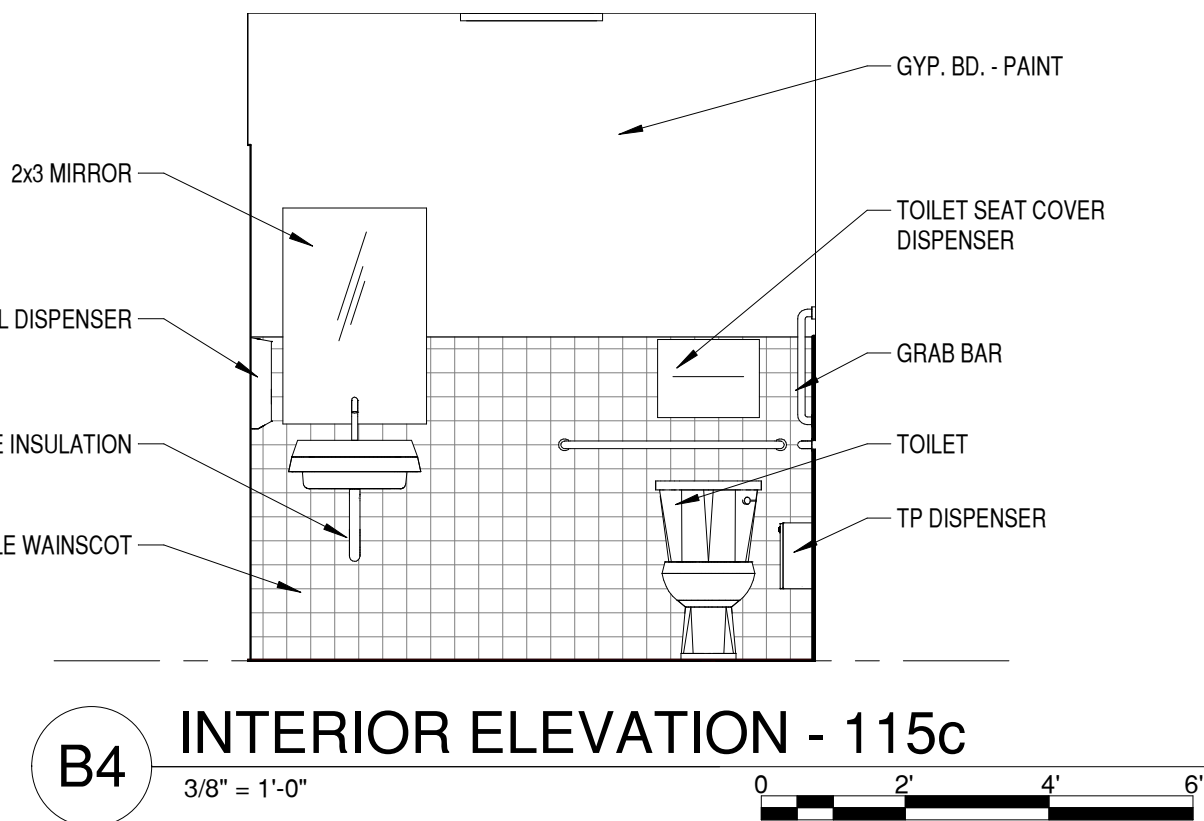
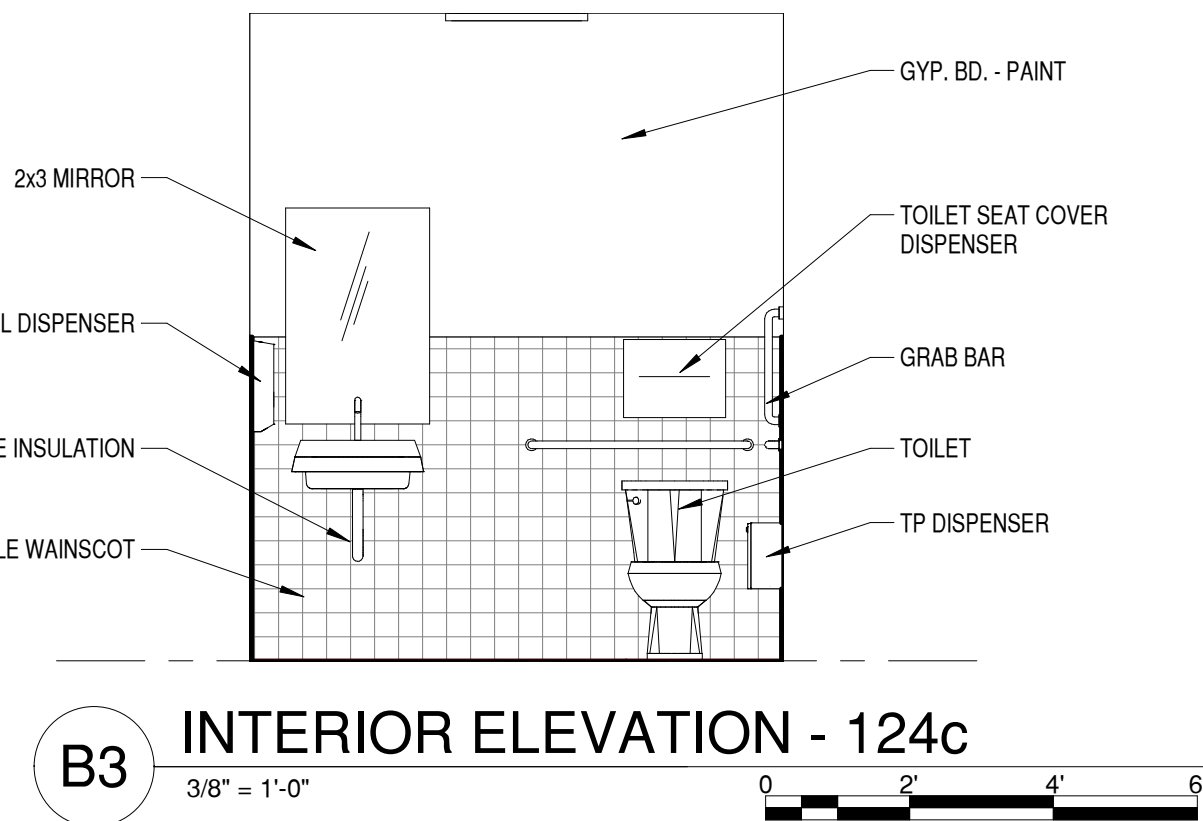
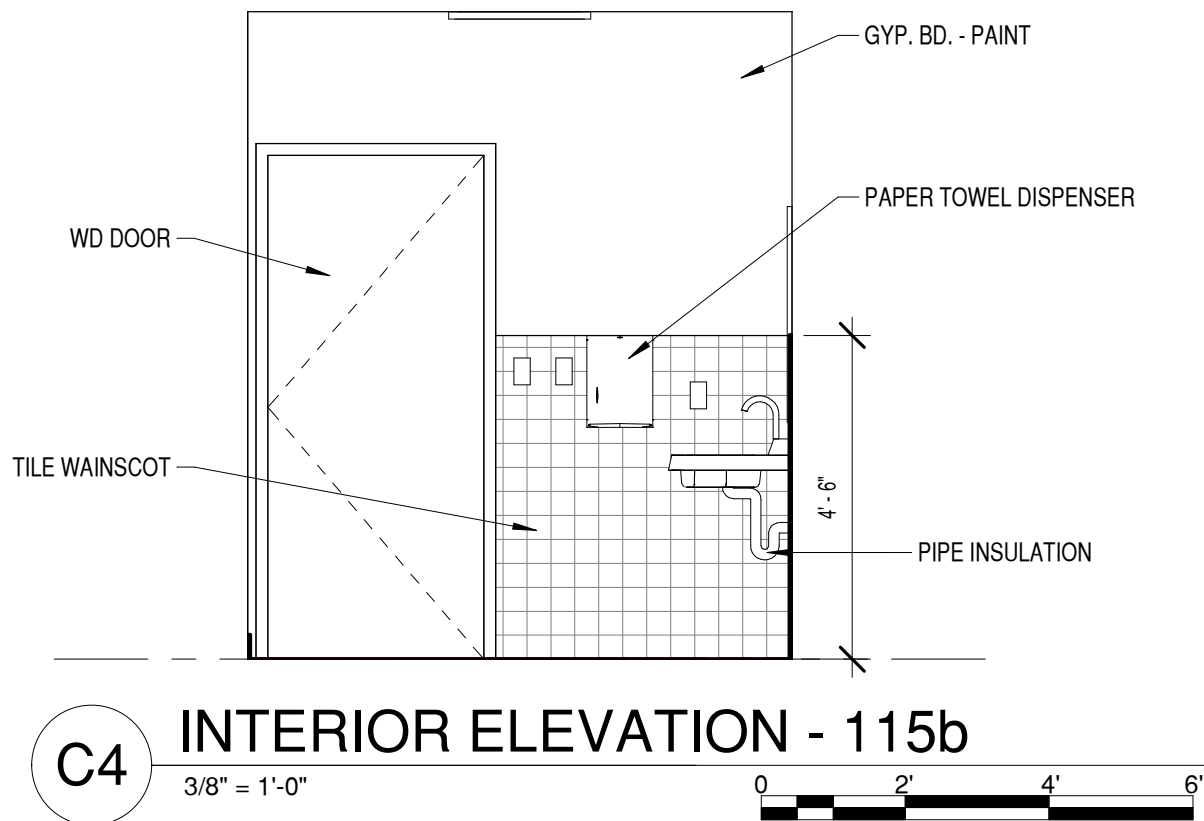
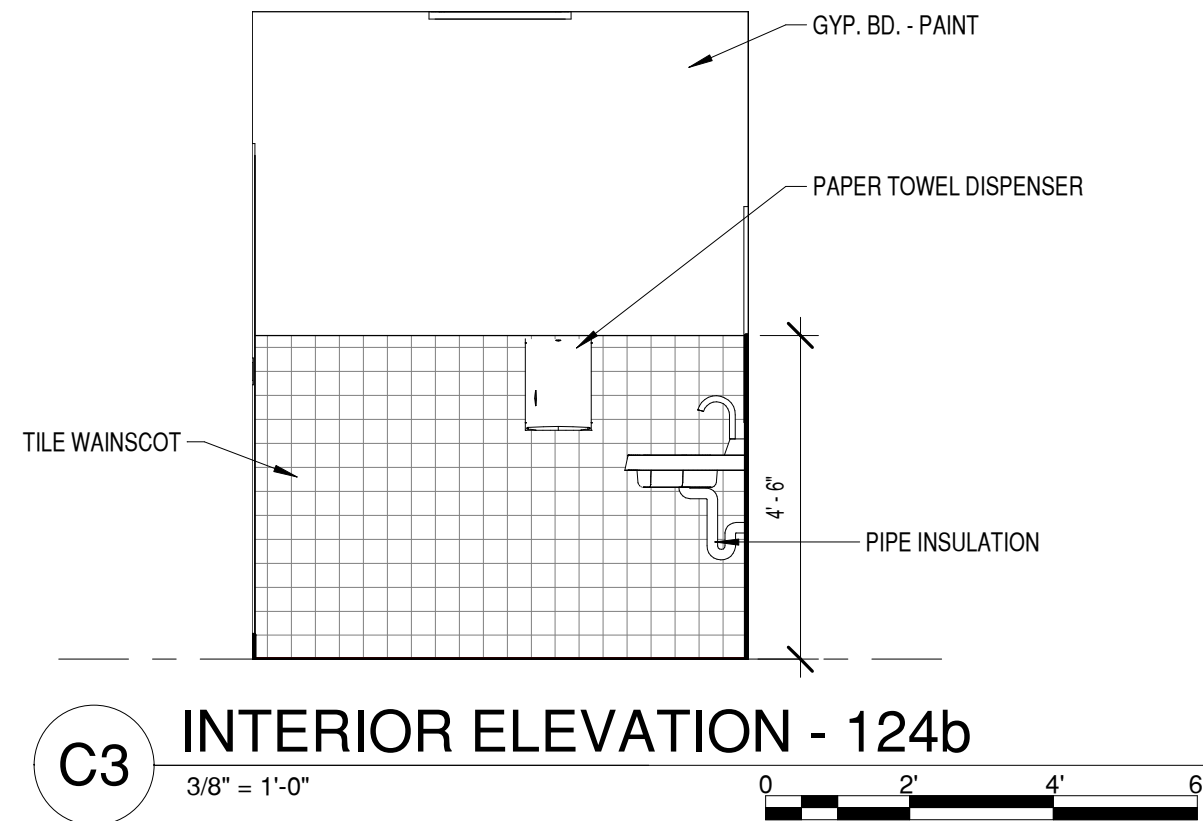
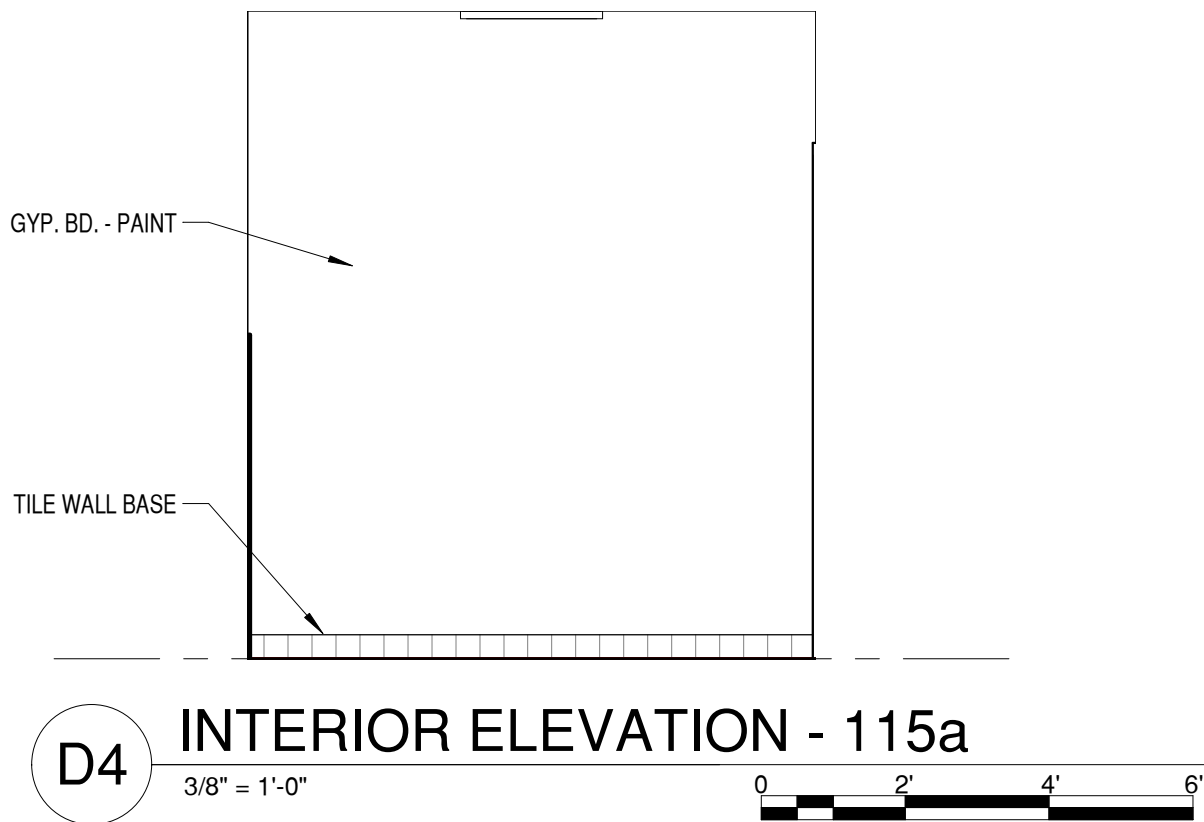
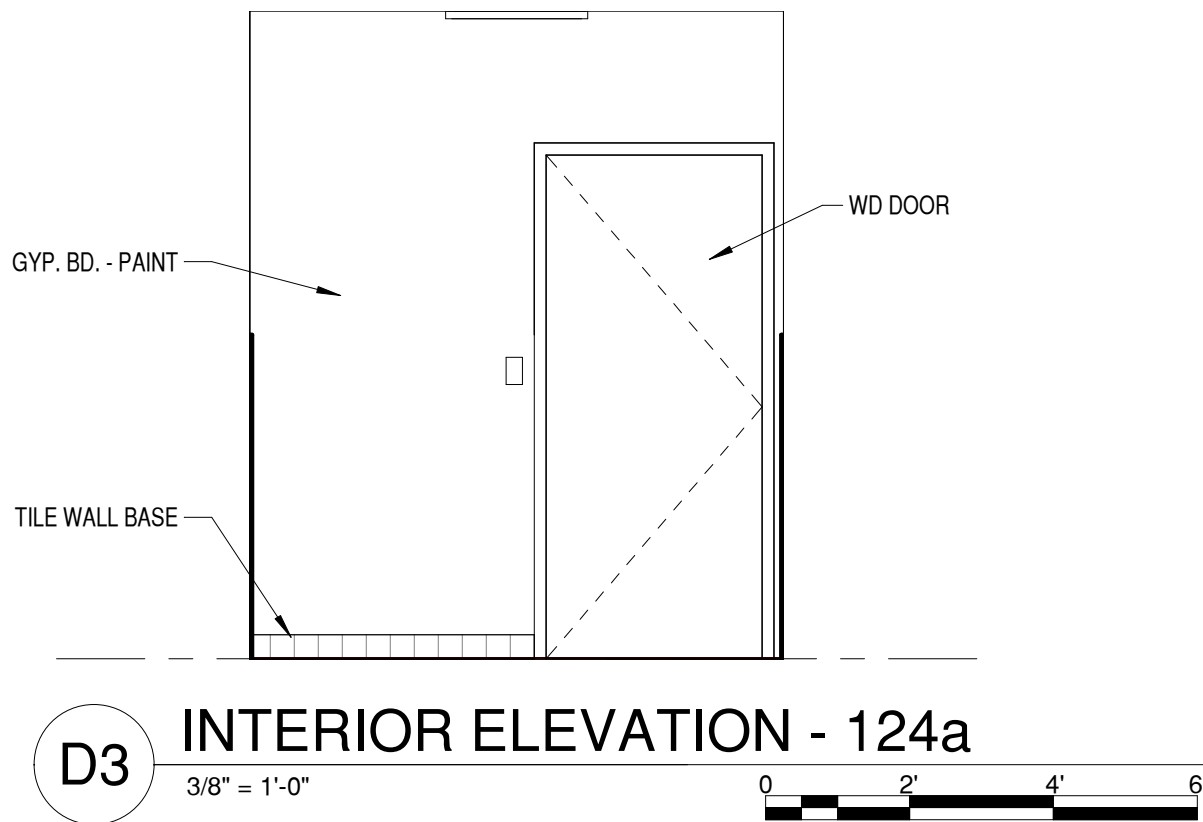


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SHEET TITLE

INTERIOR  
ELEVATIONS

SHEET NO:

A402

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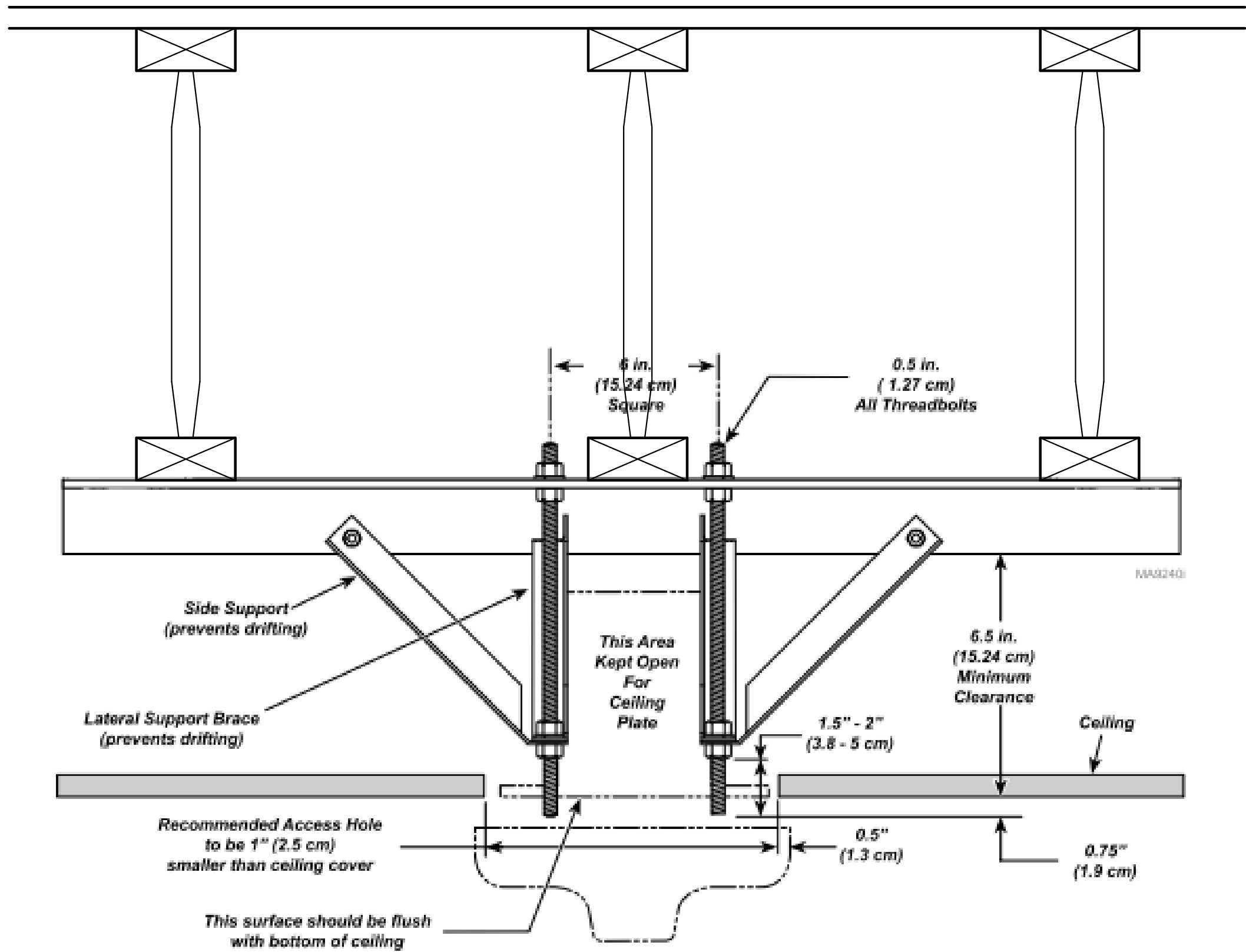
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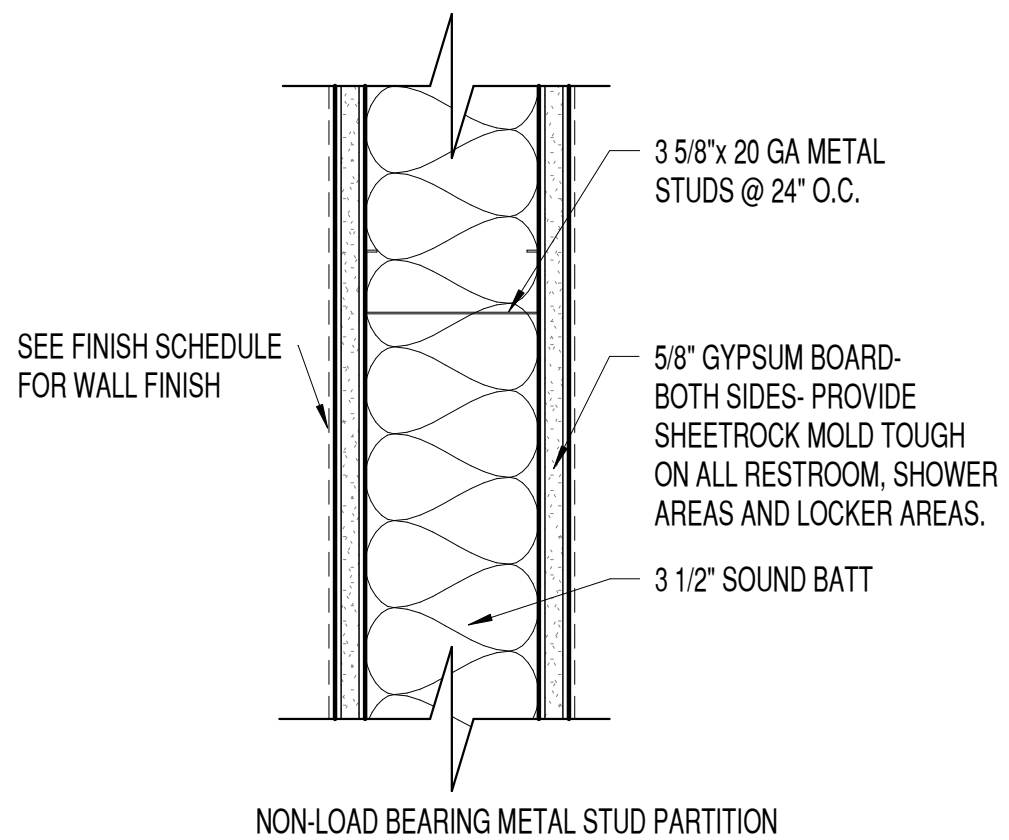
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C4 LIGHT MOUNT DETAIL

3" = 1'-0"

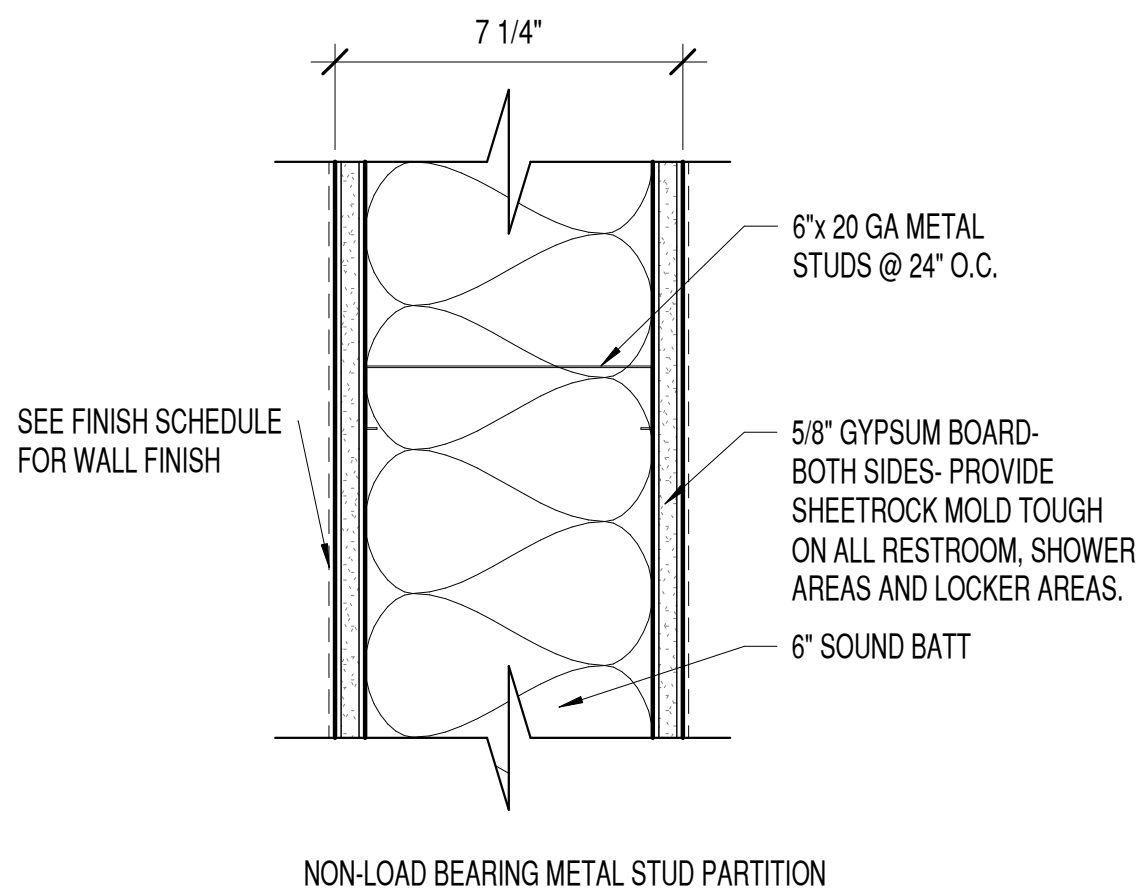
0 3" 6" 9"



B4 WALL TYPE 'A'

3" = 1'-0"

0 3" 6" 9"



A4 WALL TYPE 'B'

3" = 1'-0"

0 3" 6" 9"

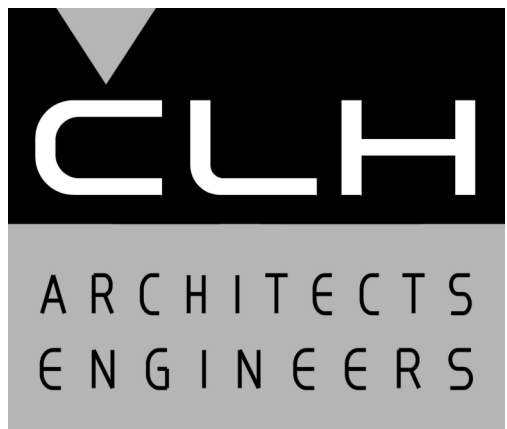
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Tyler D. Seaman

Building Official

12/11/2020

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ROCKY MOUNTAIN  
Dermatology

Tenant  
Improvement

5748 South Adams Avenue  
Washington Terrace, Utah

MARK	DATE	DESCRIPTION
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ISSUE DATE:	1/1/202X
PROJECT NO:	20330
CAD DWG FILE:	
DRAWN BY:	Author
CHK'D BY:	Checker

Project Status

01 January 202X

SHEET TITLE

DETAILS & WALL  
TYPES

SHEET NO:

A501



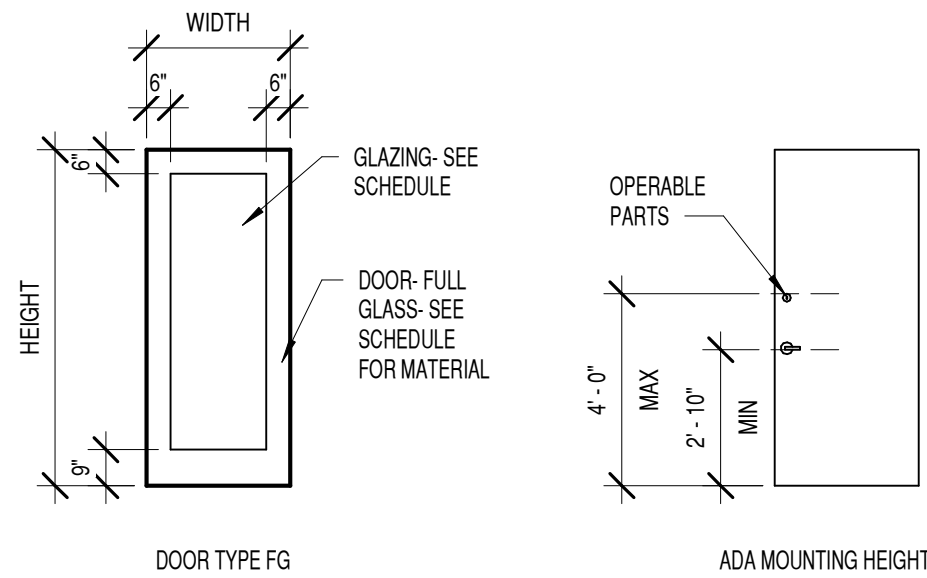
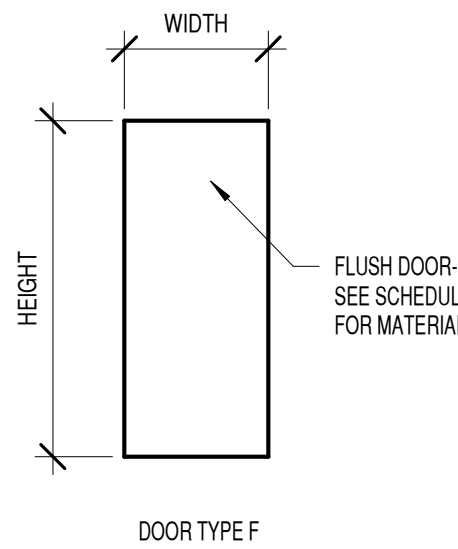
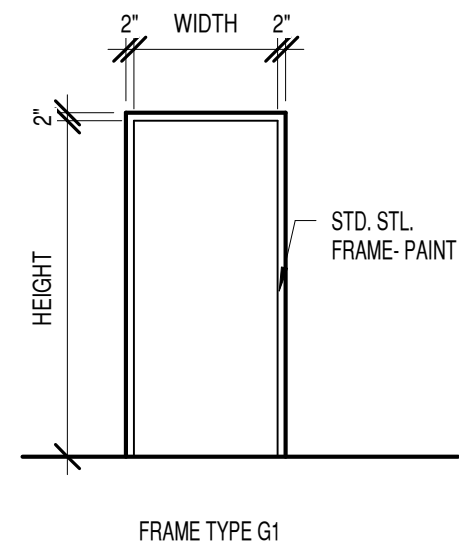
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DOOR SCHEDULE																																							
DOOR NUMBER	TYPE	DOOR				FRAME		DETAILS			GLAZING	FIRE RATING	COMMENTS	HINGES					LOCKSETS					STOPS		DOOR SEAL				MISC.									
		MATERIAL	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	HEAD	JAMB	THRESHOLD				NUMBER	PIVOTS	BALL BEARING	BRONZE/BRASS	STAINLESS STEEL	N.R. PINS	ENTRANCE	EXIT DEVICE	OFFICE	PASSAGE	PRIVACY	STORE ROOM	FLUSH BOLTS	SURFACE BOLTS	WALL STOP	FLOOR STOP	SMOKE STRIP	WEATHER STRIP	ASTRAGAL	SWEEP	THRESHOLD	CLOSER	PUSH/PULL	COORDINATOR	KICK PLATE	ARMOR PLATE
101A	F	WD	3'-0"	6'-8"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X						X													
102A	FG	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601	2'-0"x5'-9"			3							X					X														
103A	FG	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601	2'-0"x5'-9"			3							X					X														
104A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X					X														
105A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X					X														
105B	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
106A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
107A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
108A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
109A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
110A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
111A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
112A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X						X													
113A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X						X													
114A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
115A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601	A2/A601			3				X					X				X													
116A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X						X													
123A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3										X			X													
124A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601	A2/A601			3				X						X			X													
125A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
126A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
126B	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
127A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X						X													
128A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
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129B	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
130A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3							X						X													
131A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													
133A	F	WD	3'-0"	7'-0"	1 3/4"	G1	HM	A4/A601	A3/A601				3								X					X													



**B3 DOOR AND FRAME TYPES**  
1/4" = 1'-0"  
0 2' 4' 8'

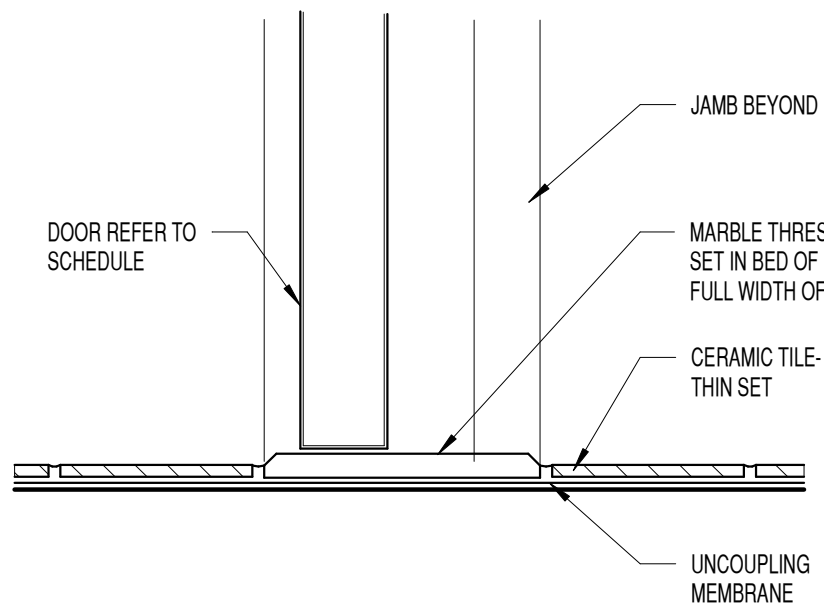
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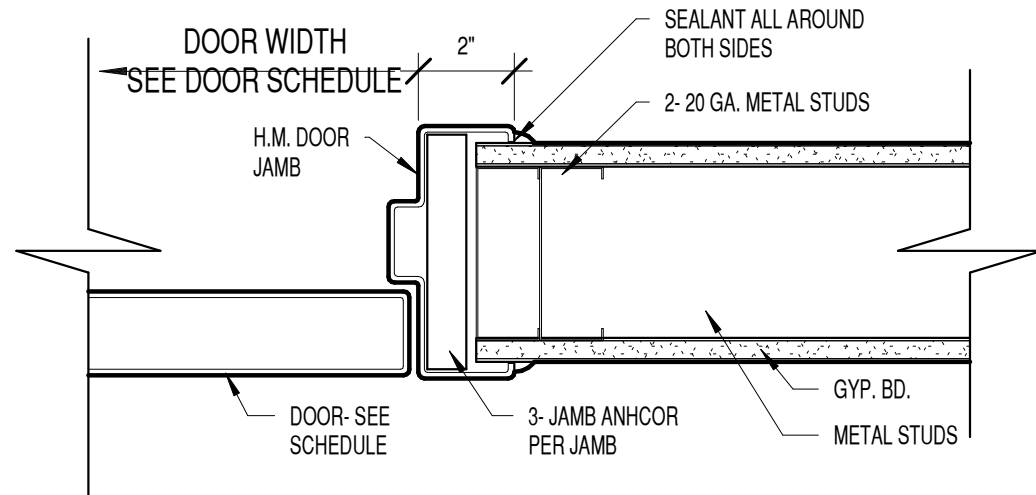
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12/11/2020

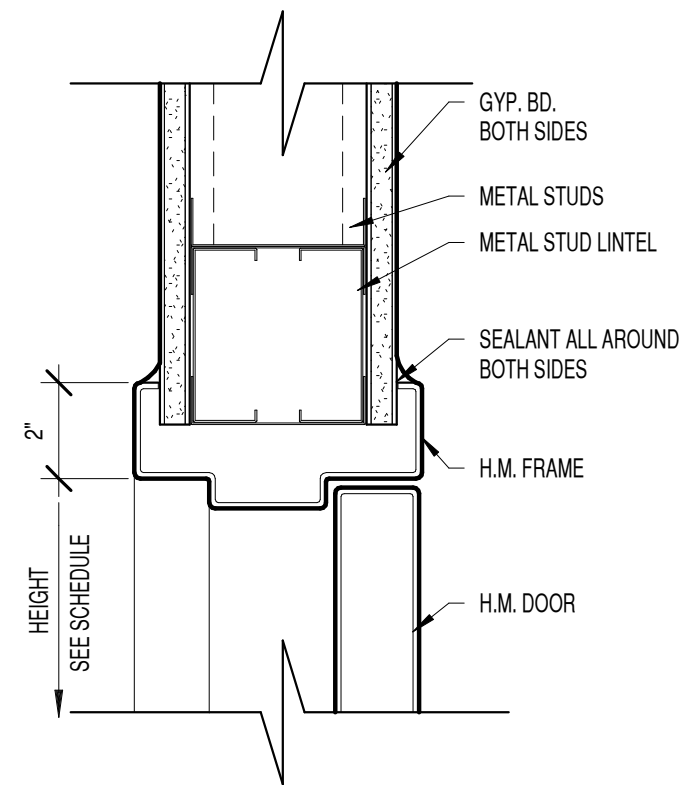
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**A2 MARBLE THRESHOLD**  
3" = 1'-0"  
0 3" 6" 9"

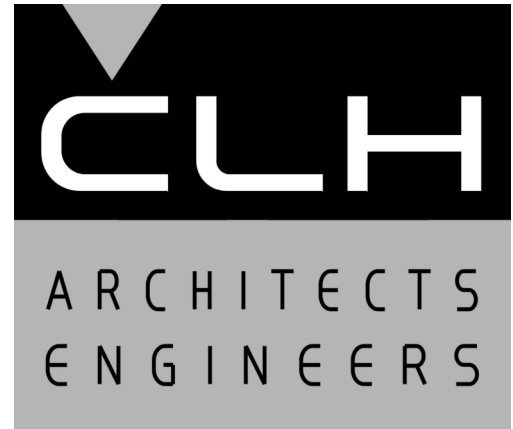


**A3 DOOR JAMB- MTL STUDS**  
3" = 1'-0"  
0 3" 6" 9"



**A4 DOOR HEAD- MTL STUDS**  
3" = 1'-0"  
0 3" 6" 9"

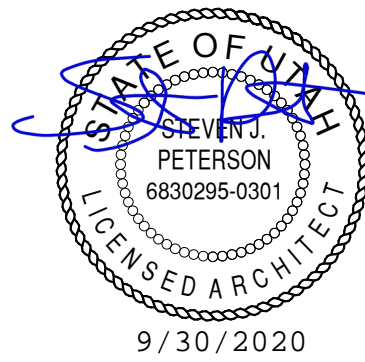
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Tenant Improvement

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MARK DATE DESCRIPTION

ISSUE DATE: 1/1/202X  
PROJECT NO: 20330  
CAD DWG FILE:  
DRAWN BY: Author  
CHK'D BY: Checker

Project Status  
01 January 202X

SHEET TITLE

DOOR SCHEDULE & DETAILS

SHEET NO:

A601



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D

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PLUMBING GENERAL NOTES

- ALL EQUIPMENT MANUFACTURERS SHOWN AS A BASIS OF DESIGN. NOT INTENDED TO SOLE SOURCE EQUIPMENT MANUFACTURER.
- THE CONTRACTOR SHALL NOT SHUT-OFF (PUT OUT OF SERVICE) ANY SYSTEM SERVICES WITHOUT FIRST COORDINATING ALL DOWNTIME WITH THE OWNERS PERSONNEL. UTILITY INTERRUPTIONS REQUIRED TO ACCOMMODATE NEW CONNECTIONS MAY REQUIRE ODD HOUR WORK.
- PIPE ROUTING IS APPROXIMATE, DIAGRAMMATIC AND IS NOT TO BE SCALED. WHERE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS ARE REQUIRED FOR COORDINATION OF ALL WORK, THE CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.
- THE CONTRACTOR SHALL CLOSELY COORDINATE NEW PLUMBING WITH ALL ELECTRICAL, MECHANICAL, ARCHITECTURAL AND STRUCTURAL MEMBERS.
- ALL PIPING AND PLUMBING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE, NATIONAL FIRE CODE AND INTERNATIONAL FUEL GAS CODE.
- WHEN CONNECTING NEW PIPING TO EXISTING, CONTRACTOR TOMATCH EXISTING PIPING MATERIAL UNLESS OTHERWISE NOTED.
- PRIME AND PAINT ALL EXPOSED PIPES AND PIPE SUPPORT.
- ALL EXTERIOR SUPPORTS, BRACES, ANCHORS, ETC. WITH OPEN ENDS TO BE CAPPED AND SEALED WEATHERTIGHT.
- ROOF FLASHING MATERIALS: UNLESS NOTED ELSEWHERE, PROVIDEROOF FLASHING AS REQUIRED/RECOMMENDED BY ROOFING AND/OR PIPING MANUFACTURERS.
- PIPING SEISMIC SUPPORTS SHALL NOT BE REQUIRED IF PIPING IS SUPPORTED BY ROD HANGERS; HANGERS IN THE PIPE RUN 12 INCH OR LESS IN LENGTH FROM TOP OF THE PIPE TO THE SUPPORTING STRUCTURE. PIPING WITH ROD HANGERS; HANGERS IN THE PIPE RUN OVER 12 INCHES IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORT STRUCTURE WILL BEREQUIRED TO BE SEISMICALLY RESTRAINED.
- PROVIDE ACCESS PANELS FOR SERVICING OF WALL HYDRANT, TRAP PRIMERS AND WATER HAMMER ARRESTORS.
- SIZE AND SELECT ALL WATER HAMMER ARRESTORS PER MANUFACTURERES RECOMMENDATIONS.
- ALL WETTED SURFACES OF POTABLE WATER PIPES, PIPE FITTINGS, PLUMBING FITTINGS AND FIXTURES MEET A WEIGHTED AVERAGE LEAD CONTENT OF NO MORE THAN 0.25 PERCENT PER ANSI 61 AND ANSI 372.
- EXISTING UTILITY LOCATIONS AND SIZES ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY.

ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFACTURER & MODEL	SYSTEM SERVED	TANK CAPACITY (GAL)	NO. OF ELEMENTS	HEATING KW	RECOVERY @ 90°F RISE (GPH)	VOLTS / PHASE	WEIGHT (LBS)	DIMENSIONS HxWxD (IN)	NOTES
WH-1	LOCKINVAR KSA039KDB	DERMATOLOGY SUITE	28	1	4.5	43	240/1	310	30 X 20	

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER & MODEL	GPM	CONNECTIONS				NOTES
				CW	HW	WASTE	VENT	
FCO	FLOOR CLEANOUT	J.R. SMITH 4020 SERIES	-	-	-	MATCH LINE SIZE	-	MATCH CLEANOUT SIZE TO PIPE IT SERVES
FD-1	SQUARE HEAD FLOOR DRAIN	J.R. SMITH 2005Y-B-2692	-	-	-	2"	1 1/2"	NICKEL BRONZE STRAINER HEAD, QUAD CLOSE TRAP SEAL DEVICE
S-1	DOUBLE BOWL KITCHEN SINK - ADA	ELKAY LRAD333224 SINK	1.5	1/2	1/2	1 1/2"	-	PROFLO 1 1/2" SS BASKET, STRAINER, & P-TRAP. BADGER 5 DISPOSAL. BRASS CRAFT KWIK TURN STOPS, CHROME MOEN 7430 FAUCET WITH SPRAYER
S-2	COUNTER UNDERMOUNT LAVATORY - ADA	AMERICAN STANDARD 6055.105 LV10 BATTERY 0614.300	0.5	1/2"	1/2"	1 1/4"	1 1/2"	AMERICAN STANDARD 6055.105 LV10 BATTERY POWERED SENSOR FAUCET AND 605XTMV MIXING VALVE, SINGLE HOLE DRILL FOR FAUCET, PROTECTIVE ADA WRAP ON PIPES
LAV-1	WALL HUNG LAVATORY - ADA	AMERICAN STANDARD 0124.131	1	1/2"	1/2"	1 1/2"	1 1/2"	AMERICAN STANDARD 6055.105 LV10 BATTERY POWERED SENSOR FAUCET, 4" DECK PLATE, AMERICAN STANDARD 605XTMV MIXING VALVE, CONCEALED ARM...
TSD-1	TRAP SEAL DEVICE	J.R. SMITH 2692	-	-	-	MATCH LINE SIZE	-	QUAD CLOSE TRAP SEAL DEVICE
WC-1	FLOOR MOUNTED WATER CLOSET - ADA	AMERICAN STANDARD 211AA.104	1.28 GPF	1/2"		3"	1 1/2"	WHITE ELONGATED BOWL, EVER CLEAN SURFACE FINISH, AMERICAN STANDARD STOP SEAT (5325.010), HANDLE TO BE ON WIDE SIDE, REFERENCE ARCH PLANS FOR MOUNTING HEIGHT
WCO	WALL CLEANOUT	J.R. SMITH 4472T	-	-	-	MATCH LINE SIZE	-	PROVIDE WALL ACCESS

CIRCULATING PUMP SCHEUDLE

MARK	MANUFACTURER & MODEL	SYSTEM SERVED	TYPE	GPM	HEAD (FT)	FLUID	FLUID TEMP	MOTOR			WEIGHT (LBS)	NOTES
								AMP	HP	VOLT/ PHASE		
P-1	TACO IL009	HOT WATER RECIRC.	IN LINE	1.75	30	WATER	110	1.4	0.125	115/1	9.5	

EXPANSION TANK SCHEDULE

MARK	MANUFACTURER & MODEL	SYSTEM SERVED	TYPE	MAX TEMP (°F)	FLUID	TANK VOL (GAL)	ACCEPT VOL (GAL)	MAX PRESSURE (PSI)	DIMENSIONS DIAxH (IN)	WEIGHT (LB)	NOTES
ET-1	AMTROL ST-5	DERMATOLOGY SUITE	DIAPHRAM	200	WATER	2	0.9	150	8 X 13	5	

MINIMUM PIPE INSULATION THICKNESS TABLE

FLUID DESIGN OPERATING TEMP RANGE (°F)	VAPOR BARRIER RATING (PERMS)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (IN)					
		CONDUCTIVITY (BTU-IN/(H-FT²-F))	MEAN RATING TEMP (°F)	<1"	1" TO <1 1/2"	1 1/2" TO <4"	4" TO <8"	>8"	
201-250	-	0.27-0.30	150	2.5	2.5	2.5	3.0	3.0	
141-200	-	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0	
105-140	-	0.21-0.28	100	1.0	1.0	1.5	1.5	1.5	
40-60	<0.05	0.21-0.27	75	0.5	0.5	1.0	1.0	1.0	
<40	<0.02	0.20-0.26	50	0.5	1.0	1.0	1.0	1.5	

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Tyler D. Seaman

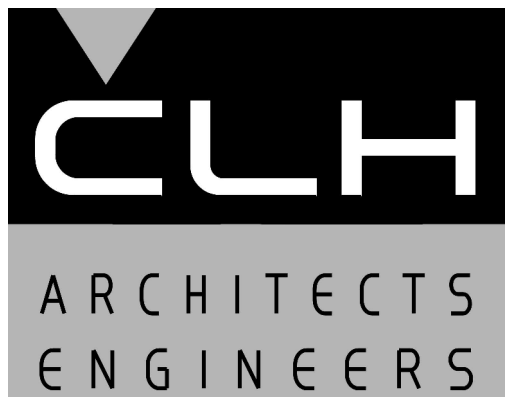
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THE CITY OF  
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PLUMBING LEGEND

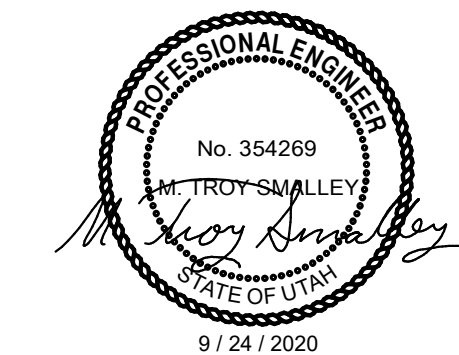
SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER PIPING (DCW)
	DOMESTIC HOT WATER PIPING (DHW)
	RECIRCULATING HOT WATER PIPING (DHR)
	VENT PIPING
	SANITARY SEWER PIPING (ABOVE GROUND)
	SANITARY SEWER PIPING (UNDERGROUND)
	TRAP PRIMER PIPING
	CONDENSATE DRAIN
	COMPRESSED AIR PIPING
	NATURAL GAS PIPING
	ROOF DRAIN PIPING
	OVERFLOW ROOF DRAIN PIPING
	SOFTENED WATER PIPING
	PLANT VACUUM
	PROCESS COLD WATER PIPING (NON-POTABLE)
	PROCESS HOT WATER PIPING (NON-POTABLE)
	ACID WASTE PIPING
	ACID VENT PIPING
	DIRECTION OF FLOW
	BACKFLOW PREVENTER
	WATER HAMMER ARRESTER
	TRAP PRIMER DEVICE
	FLOOR CLEANOUT
	LUBRICATED PLUG VALVE
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CALIBRATED BALANCING VALVE
	PRESSURE REDUCING VALVE (PRV)
	CHECK VALVE
	Y-STRAINER
	STRAINER WITH BLOWDOWN
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	THERMOMETER
	BLIND FLANGE OR CAP
	PIPING TEE DOWN
	PIPING TEE UP
	PIPING ELBOW UP
	PIPING ELBOW DOWN
	PRESSURE GAUGE
	PRESSURE GAUGE w/ SYPHON & COCK
	UNION OR FLANGE
	AIR LINE QUICK CONNECT
	FLOOR DRAIN OR FLOOR SINK
	ROOF DRAIN
	PUMP
	WALL CLEANOUT
	HOSE BIBB
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	DETAIL CALLOUT
	HUMIDISTAT
	PLUMBING FIXTURE CALLOUT
	ABOVE
	ABOVE FINISH FLOOR
	BETWEEN
	BELOW
	BOTTOM
	CLEANOUT
	CLEANOUT TO GRADE
	DOWN
	EXISTING
	FLOOR CLEANOUT
	NOT IN CONTRACT
	SANITARY SEWER
	STAINLESS STEEL
	THRU
	TYPICAL
	VENT THRU ROOF
	WALL CLEANOUT



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Washington Terrace, Utah

MARK	DATE	DESCRIPTION
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ISSUE DATE:	9/24/2020
PROJECT NO:	20330
CAD DWG FILE:	
DRAWN BY:	GM, JAC
CHK'D BY:	MTS

Permit Set

24 September 2020

SHEET TITLE

PLUMBING  
SCHEDULES

SHEET NO:

P001



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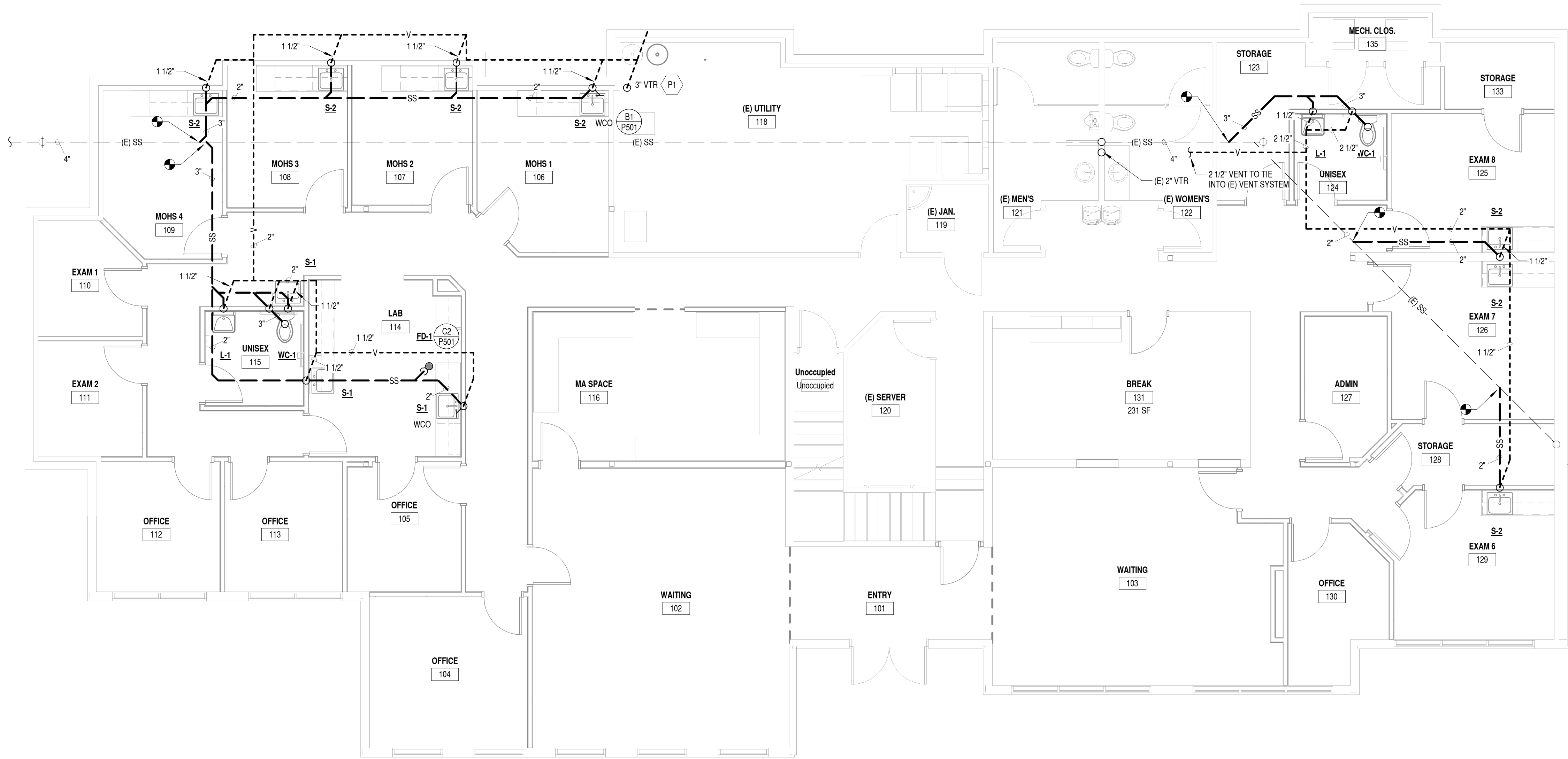
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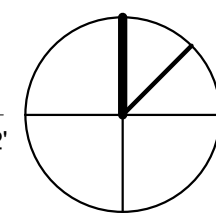
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B1 WASTE AND VENT PLAN  
3/16" = 1'-0"



PLUMBING KEYED NOTES	
MARK	NOTE
P1	ROUTE 3" VENT UP THRU ROOF VIA EXISTING CHASE.

*Reviewed for Compliance*

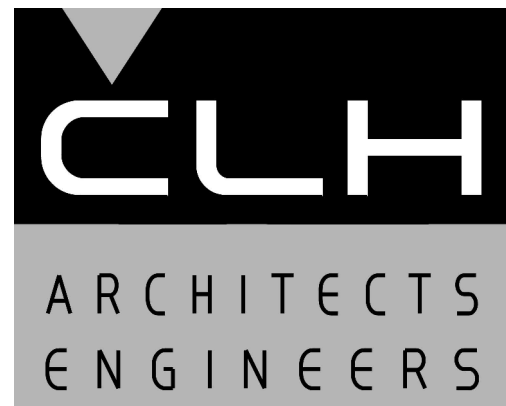
*Tyler D. Seaman*

*Building Official*

*12/11/2020*

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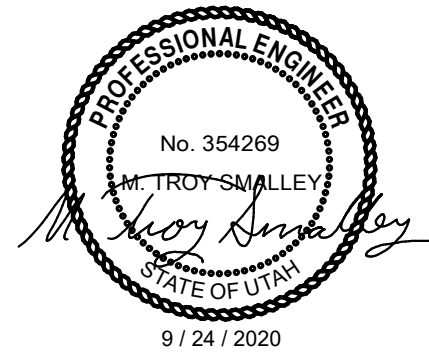
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Washington Terrace, Utah

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ISSUE DATE:	9/24/2020
PROJECT NO:	20330
CAD DWG FILE:	
DRAWN BY:	GM, JAC
CHK'D BY:	MTS

Permit Set

24 September 2020

SHEET TITLE

WASTE AND VENT  
PLAN

SHEET NO:

P101

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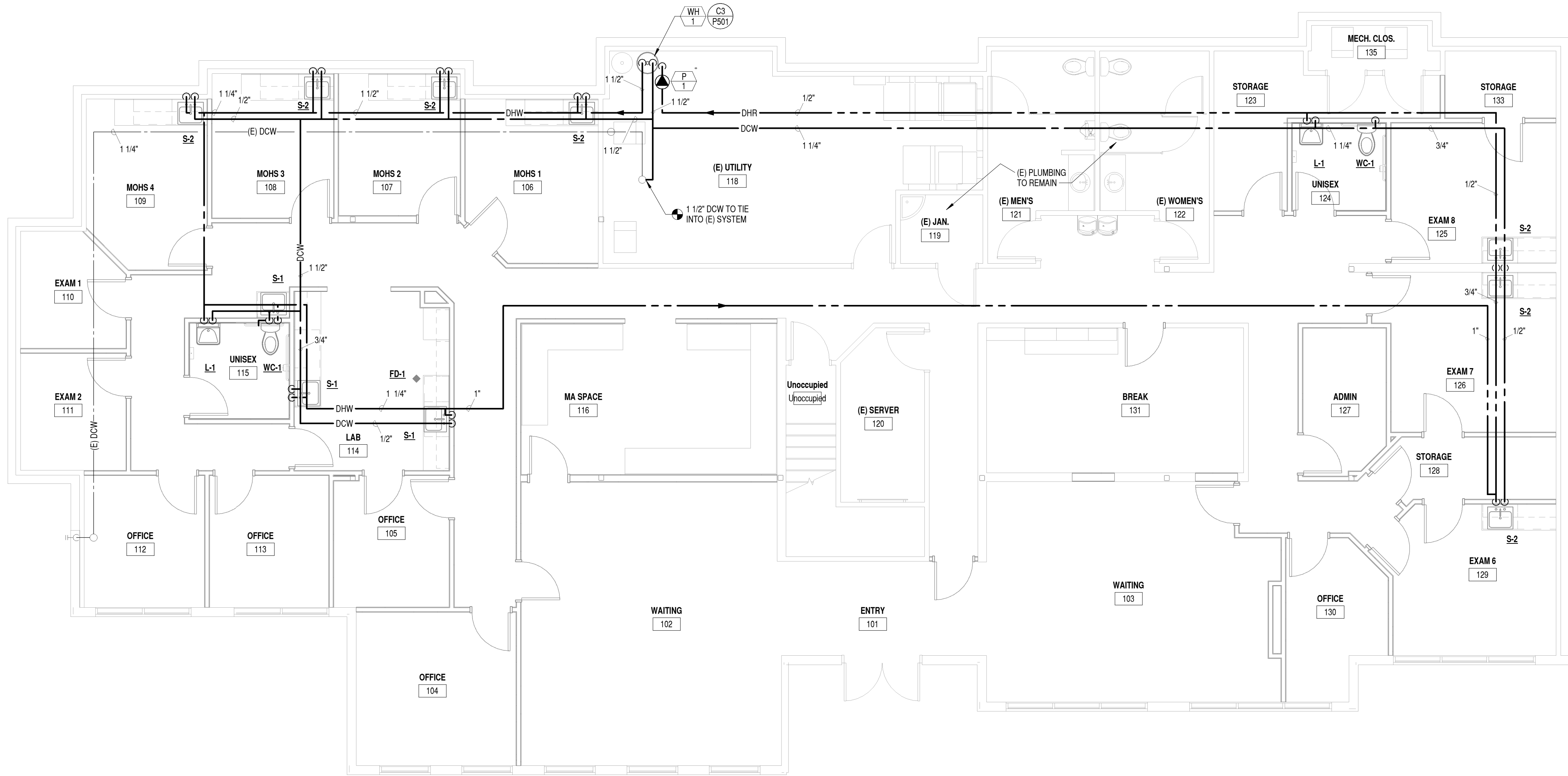
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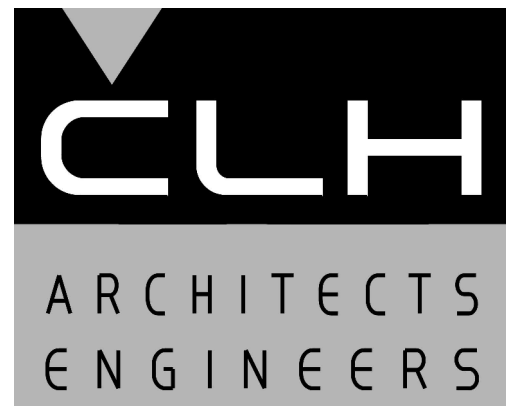
**B1 PLUMBING PLAN**  
3/16\" = 1'-0"

*Reviewed for Compliance*

Tyler D. Seaman  
Building Official

12/11/2020

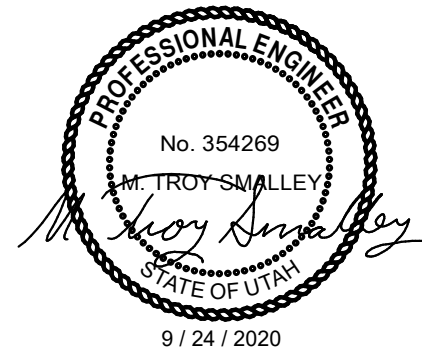
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ISSUE DATE:	9/24/2020
PROJECT NO:	20330
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24 September 2020

SHEET TITLE

PLUMBING PLAN

SHEET NO:

P102



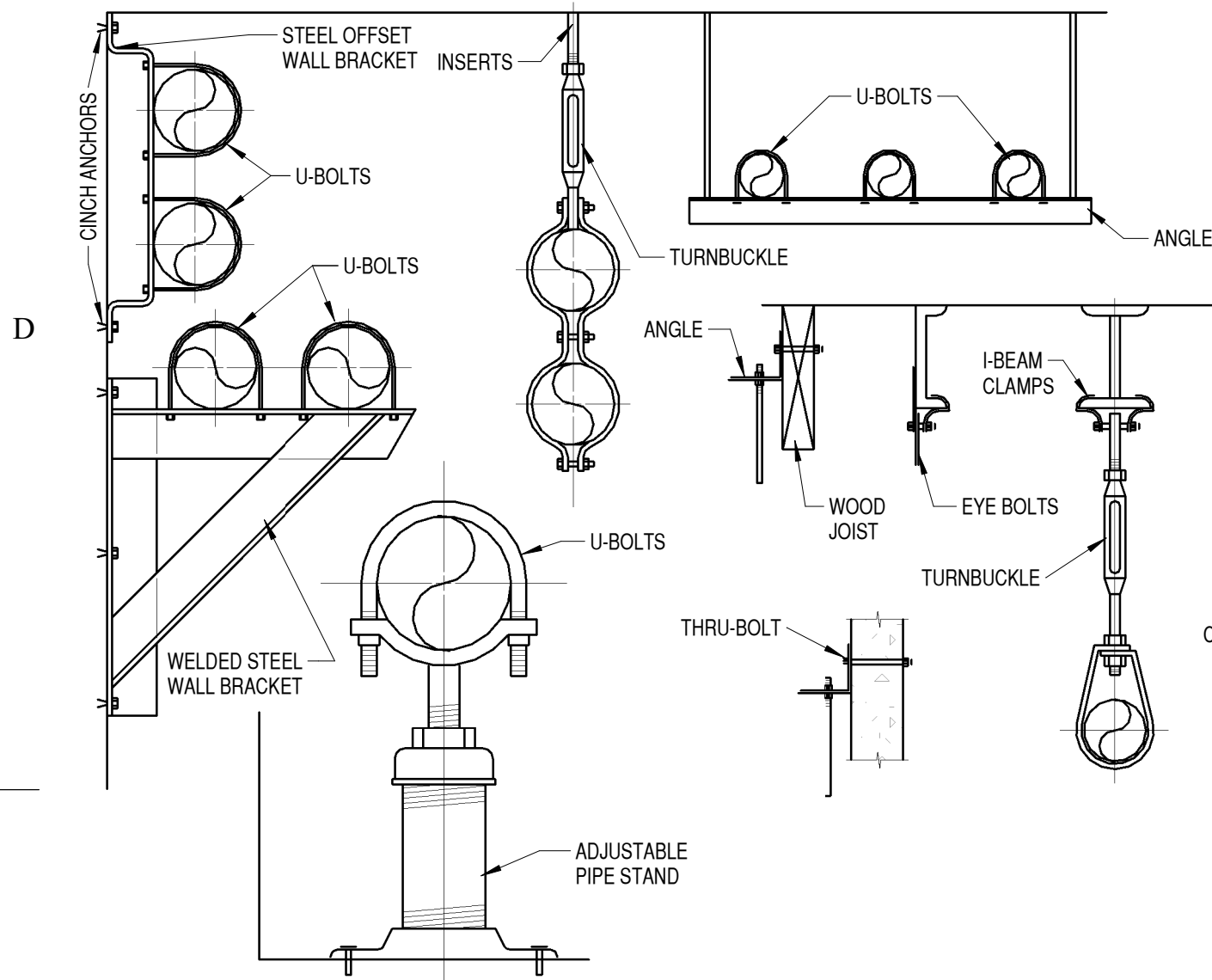
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C

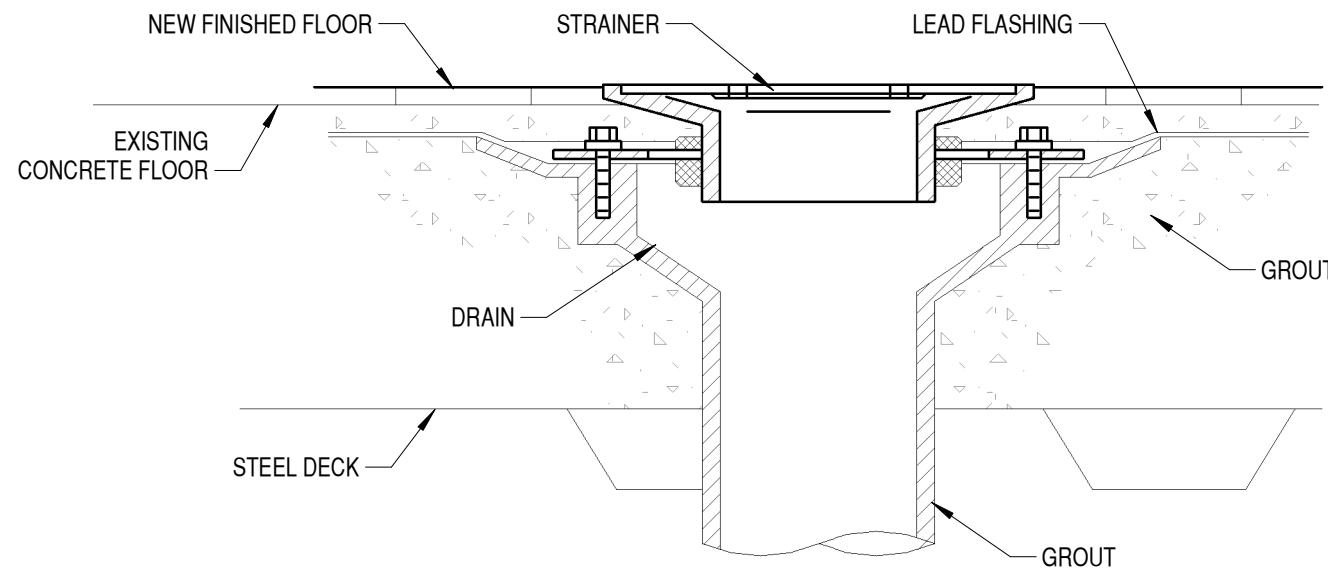
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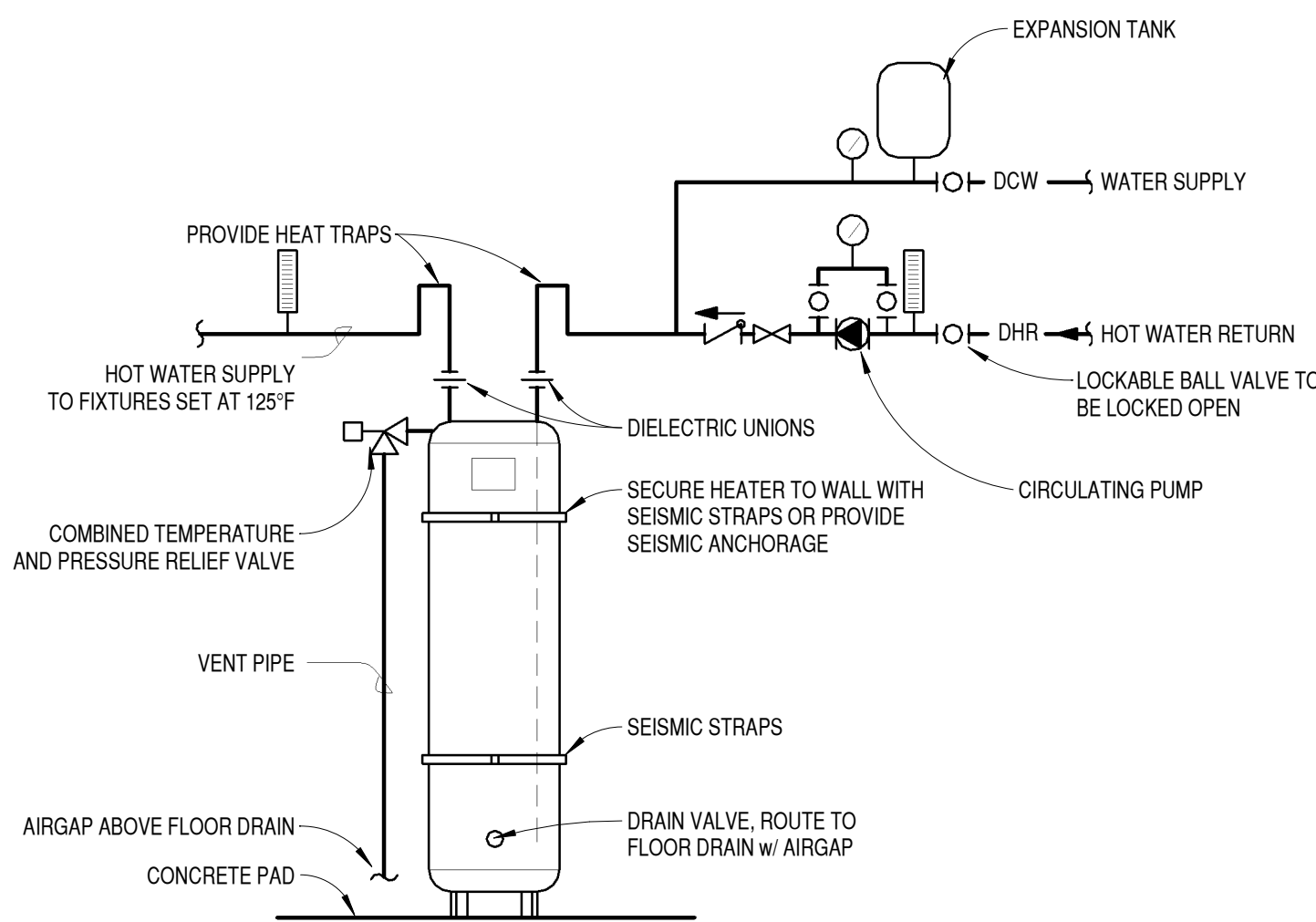
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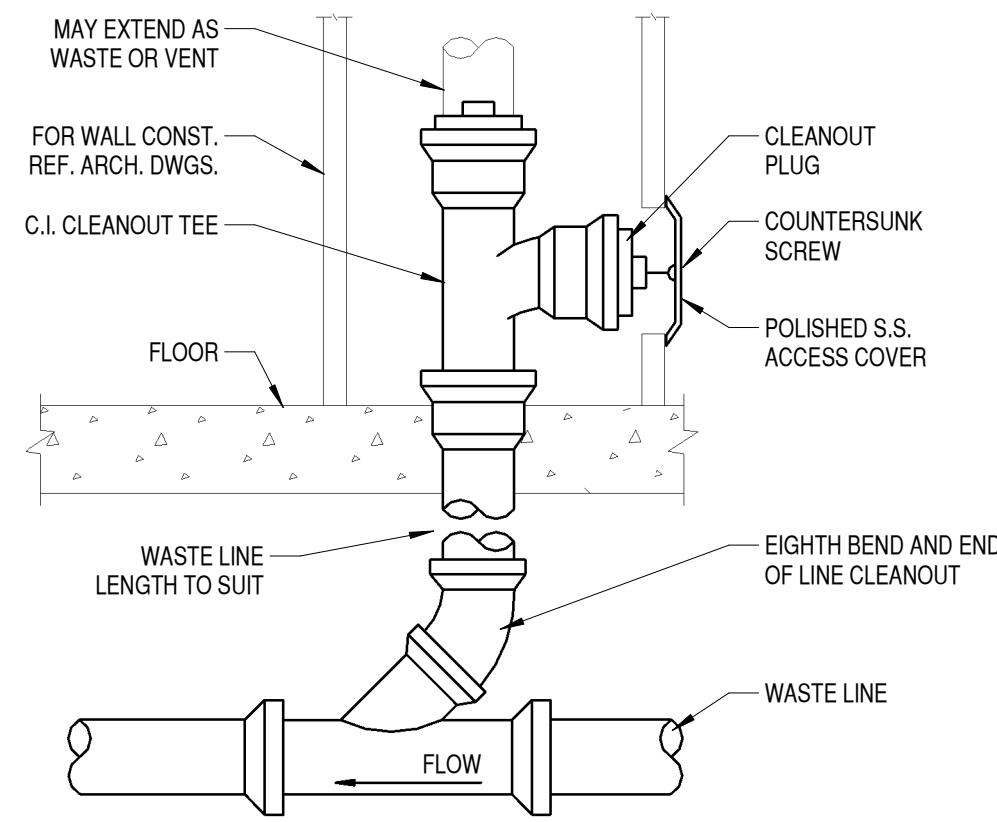
C1 TYPICAL PIPE SUPPORT DETAIL  
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C2 TYPICAL FLOOR DRAIN DETAIL  
NO SCALE

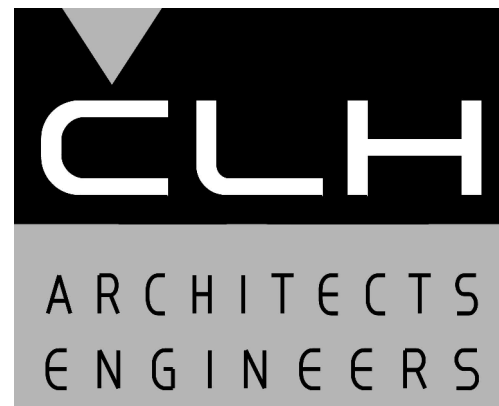


C3 ELECTRIC WATER HEATER DETAIL  
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B1 TYPICAL WALL CLEANOUT DETAIL  
NO SCALE

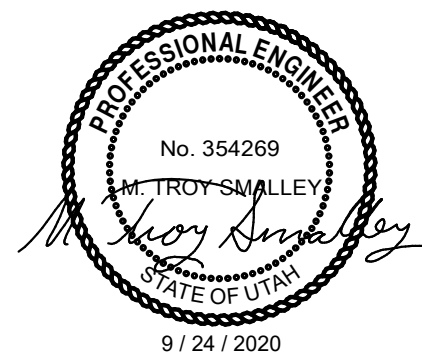
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*Dermatology*

Tenant  
Improvement

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SHEET TITLE

PLUMBING DETAILS

SHEET NO:

P501

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*Tyler D. Seaman*

*Building Official*

*12/11/2020*

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EXHAUST FAN SCHEDULE											
MARK	MANUFACTURER & MODEL	DESCRIPTION	AREA SERVED	CFM	STATIC PRESS. (IN WC)	RPM	SOUND RATING (dBA)	ELECTRICAL WATTS	VOLTS/ PHASE	WEIGHT (LBS)	NOTES
EF-1	PRICE T100	CEILING VENTILATOR	UNISEX 115	90	0.25	940		8.4	120/1	25	
EF-2	GREENHECK SQ-90 VG	INLINE FAN	EAST SUITE	330	0.5	1645	56	1/6 HP	120/1	50	



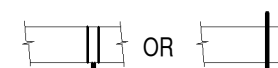


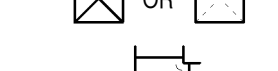
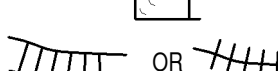
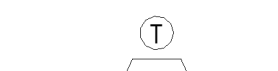

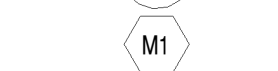
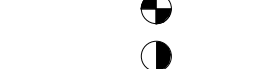

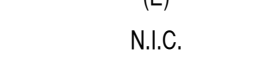
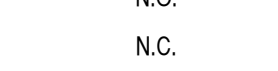
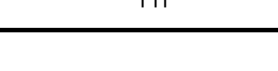




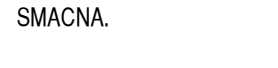
GRILLE, REGISTER & DIFFUSER SCHEDULE											
MARK	MANUFACTURER & MODEL	DESCRIPTION	MATERIAL	FINISH	FRAME	DAMPER	MAX NC	MAX CFM	NECK SIZE	MODULE SIZE (in)	NOTES
S-1	PRICE SCD	LAY-IN SQUARE CONE	ALUMINUM	WHITE	CEILING GRID	10"	30	545	10" RND	20 X 20	
R-1	PRICE PDR	PERFORATED RETURN	ALUMINUM	WHITE	CEILING GRID		29	625	10 X 10	12 X 12	
R-2	PRICE PDR	PERFORATED RETURN	ALUMINUM	WHITE	CEILING GRID		25	750	10 X 22	10 X 22	
R-3	PRICE PDR	PERFORATED RETURN	ALUMINUM	WHITE	CEILING GRID		26	2353	22 X 22	22 X 22	

GAS FURNACE SCHEDULE							
MARK	MANUFACTURER & MODEL	AREA SERVED	CFM	ESP ("WC)	GAS TYPE	HTG CAPACITY (MBH)	NOTES
F-1 (EXIST)	LENNOX 48CXA1A	NORTH EAST	1600	1	NG	48	
F-2 (EXIST)	COLEMAN CE60C3XC1A	SOUTH EAST	2000	1	NG	60	
F-3 (EXIST)	COLEMAN CE60C3XC1A	NORTH WEST	2000	1	NG	60	
F-3 (EXIST)	COLEMAN CE60C3XC1A	NORTH WEST	2000	1	NG	60	

NOTE: OUTPUT CAPACITY SHOWN AT 4439' ABOVE SEA LEVEL.

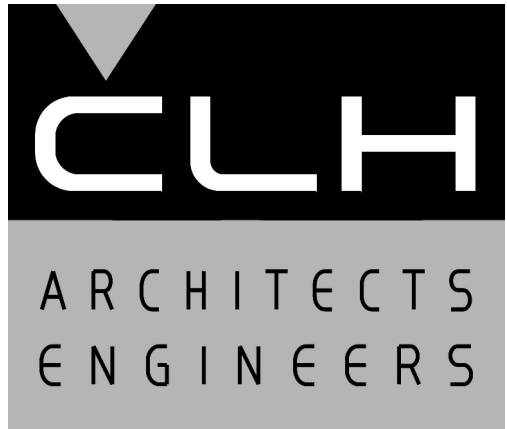
DUCT SEALING & INSULATION R-VALUE SCHEDULE				
DUCT TYPE	DUCT LOCATION			SMACNA SEAL CLASS
	EXTERIOR	UNCONDITIONED SPACE	CONDITIONED SPACE	
SUPPLY	R-12 / R-8	R-6	NONE	A
RETURN	R-12 / R-8	R-6	NONE	A
EXHAUST	NONE	NONE	NONE	A

NOTES: R-8 IS REQUIRED IN CLIMATE ZONES 1-4; R-12 IS REQUIRED IN CLIMATE ZONES 5-8.

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	LIQUID REFRIGERANT
	SUCTION REFRIGERANT
	MANUAL VOLUME CONTROL DAMPER
	EXHAUST AIR DUCT - UP / DOWN
	RETURN/OUTSIDE AIR DUCT - UP / DOWN
	SUPPLY AIR DUCT - UP / DOWN
	MITERED ELBOW W/ TURNING VANES
	FLEX DUCT (MAX. LENGTH 4 FT.)
	THERMOSTAT
	EQUIPMENT SYMBOL
	DETAIL SYMBOL
	SHEET KEYNOTE
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	AIRFLOW DIRECTION ABOVE FINISH FLOOR
	EXISTING
	NOT IN CONTRACT
	NORMALLY OPEN
	NORMALLY CLOSED
	TYPICAL

MECHANICAL GENERAL NOTES:

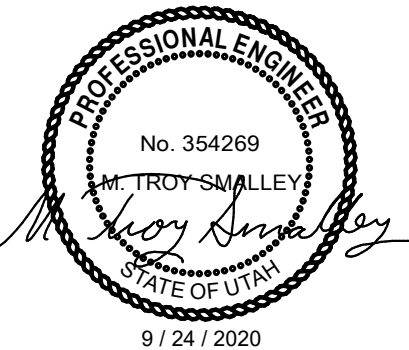
- ALL EQUIPMENT MANUFACTURES SHOWN AS A BASIS OF DESIGN. NOT INTENDED TO SOLE SOURCE EQUIPMENT MANUFACTURER.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST STATE ADOPTED EDITION OF THE INTERNATIONAL MECHANICAL CODE AND SMACNA.
- MECHANICAL PLANS ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER TRADES, AND ACTUAL JOB SITE CONDITIONS. CONTRACTOR TOFIELD VERIFY QUANTITIES AND DIMENSIONS.
- CONTRACTOR TO PROVIDE ALL NECESSARY MATERIALS, DUCTWORK, HANGERS, FITTINGS, OFFSETS, INSULATION AND ACCESSORIES LOGICALLY REQUIRED FOR A COMPLETE FUNCTIONAL AIR DELIVERY SYSTEM.
- DUCT DIMENSIONS ON DRAWINGS ARE INSIDE DIMENSIONS. MINIMUM DUCTWORK GAUGE TO BE 26 GAUGE.
- CONTRACTOR SHALL COORDINATE ALL SUPPLY DIFFUSER PLACEMENTS.
- ALL SQUARE ELBOWS IN SUPPLY AND RETURN DUCTWORK SHALL HAVE SINGLETHICKNESS TURNING VANES.
- INSULATED FLEXIBLE DUCT NOT TO EXCEED 4 FEET IN LENGTH.
- CONNECTIONS TO SUPPLY DIFFUSERS TO BE MADE WITH A RIDGED CONNECTION SO THAT CLEAR AND UNOBSTRUCTED AIRFLOW IS ACHIEVED.
- MOUNT BOTTOM OF THERMOSTAT 48 INCHES ABOVE FINISHED FLOOR. RUN WIRING FROM THERMOSTAT LOCATION TO AIR HANDLER AND TERMINATE TO PROVIDE FOR A FULLY FUNCTIONAL SYSTEM. REFER TO THE CONTROL DRAWINGS FOR SPECIFICS.
- CONTRACTOR TO FURNISH FILTERS.
- MAIN SUPPLY DUCTS ARE TO REMAIN AS EXISTING. ALL EXISTING RUNOUTS ARE TO BE REMOVED, ALONG WITH OBD CAP SEAL.
- ALL PIPING THAT COMES IN CONTACT WITH A DISSIMILAR METAL TO BE PROTECTED AGAINST GALVANIC CORROSION.
- REMOTE CONCEALED CEILING CABLE CONTROL SYSTEM REQUIRED FOR ALL MANUAL VOLUME DAMPERS IN HARD LID CEILING APPLICATIONS.
- SEISMIC SUPPORTS ARE NOT REQUIRED FOR HVAC DUCTWORK IF DUCTS ARE SUSPENDED FROM HANGARS 12 INCH OR LESS IN LENGTH.
- REFER TO STRUCTURAL DETAILS FOR ALL EQUIPMENT AND DUCT PENETRATIONS THROUGH ROOF. IF DETAIL IS NOT PRESENT THEN CONTACT ENGINEER.
- ALL EXPOSED DUCTWORK TO HAVE ALL LABELS AND WRITING REMOVED FROM DUCT.
- AFTER AIR AND HYDRONIC SYSTEM BALANCING HAS BEEN COMPLETED, MARK ALL BALANCING DAMPER AND BALANCING VALVES TO PERMANENTLY INDICATE FINAL POSITION, IE AN ARROW OR DRAWING AN OUTLINE OF BALANCING HANDLE POSITION.



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SHEET TITLE

MECHANICAL  
SCHEDULES

SHEET NO:

M001



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C

B

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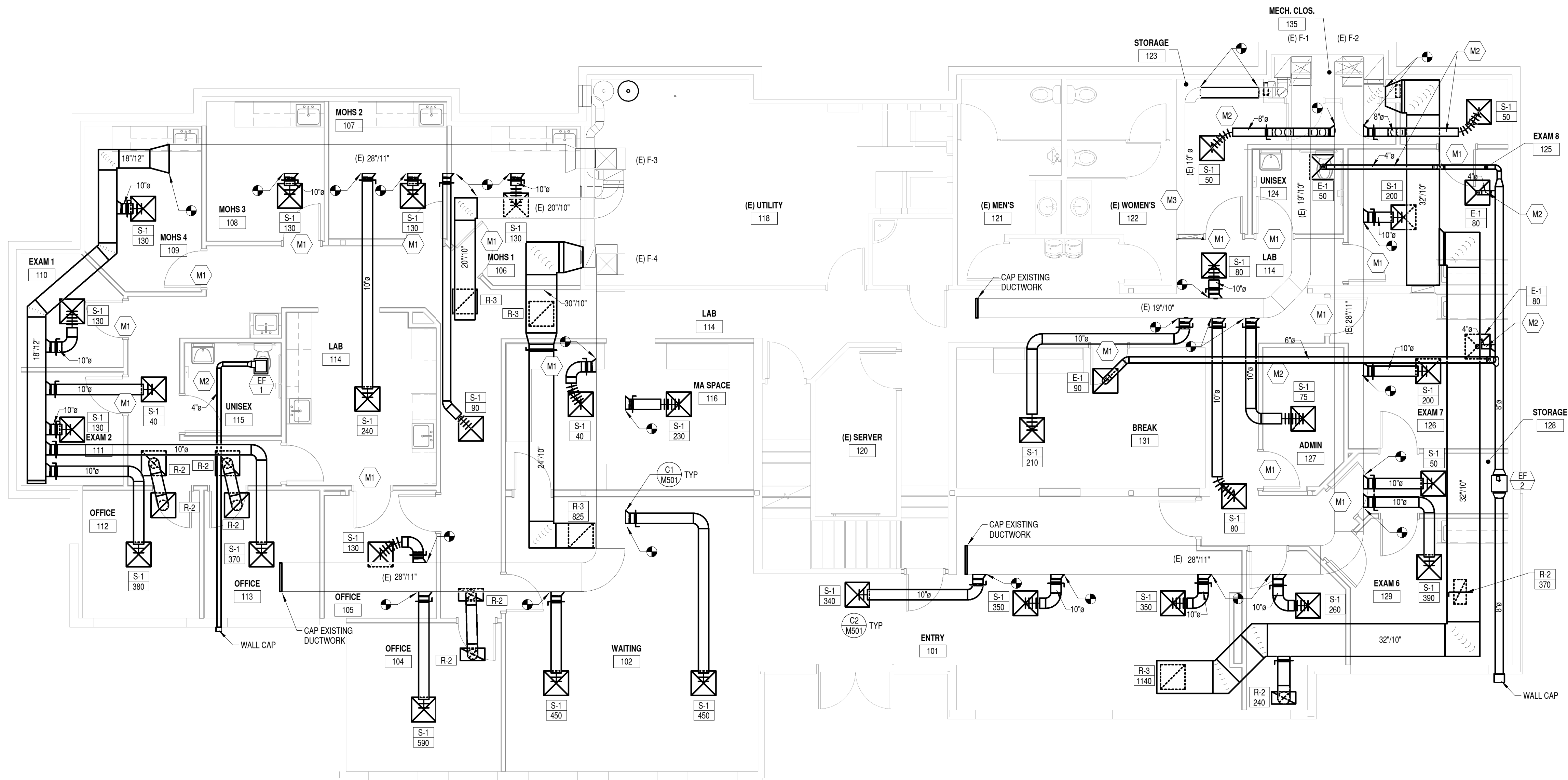
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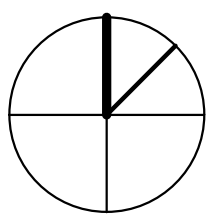
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5



B1 MECHANICAL PLAN  
3/16" = 1'-0"

0 4' 8' 12'



MECHANICAL KEYED NOTES

MARK	NOTE (not all notes appear on this sheet)
M1	UNDERCUT DOOR TO HAVE A ONE INCH GAP BETWEEN DOOR AND FINISHED FLOOR.
M2	ROUTE DUCT THRU OPEN WEB JOISTS. INSTALL DUCT AS HIGH AS POSSIBLE. DUCT SHALL NOT INFRINGE ON CEILING HEIGHT.
M3	CONTRACTOR TO REROUTE EXISTING 10" RETURN DUCT AS SHOWN. RECONNECT EXISTING GRILLE TO WALL NEXT TO DOOR AS SHOWN.

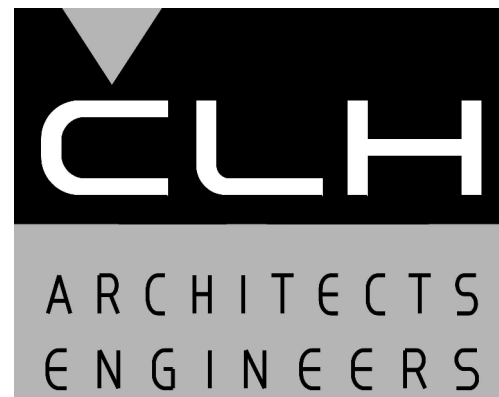
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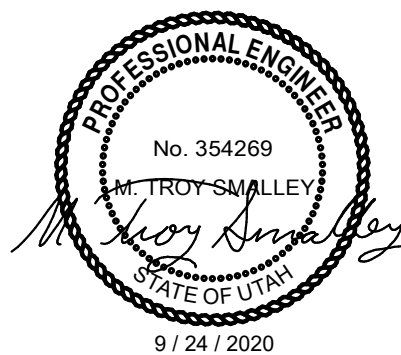
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SHEET TITLE

MECHANICAL PLAN

SHEET NO:

M101

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D

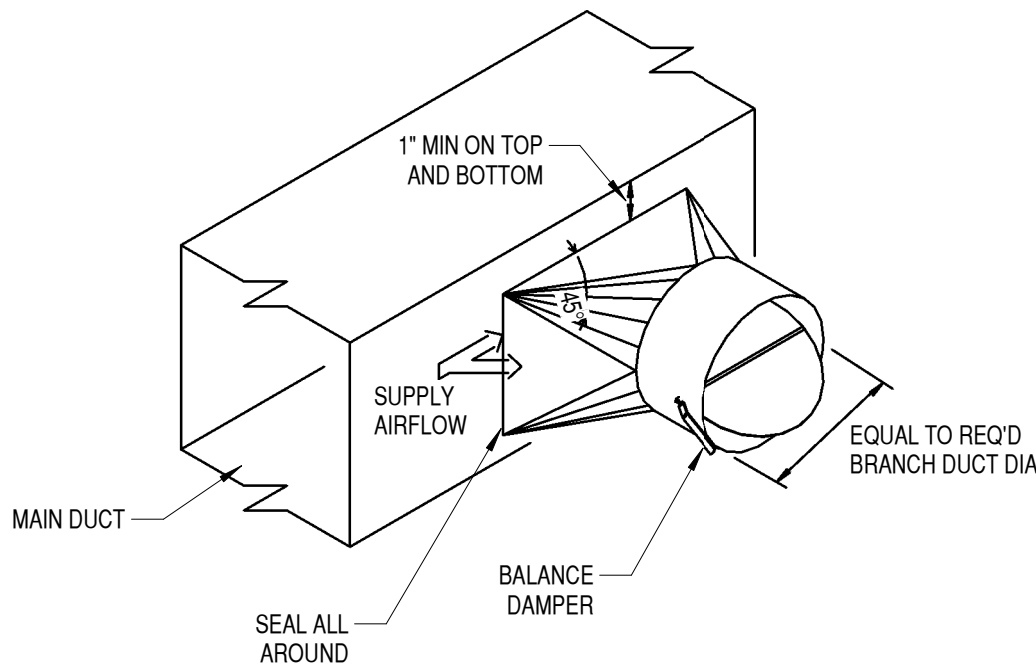
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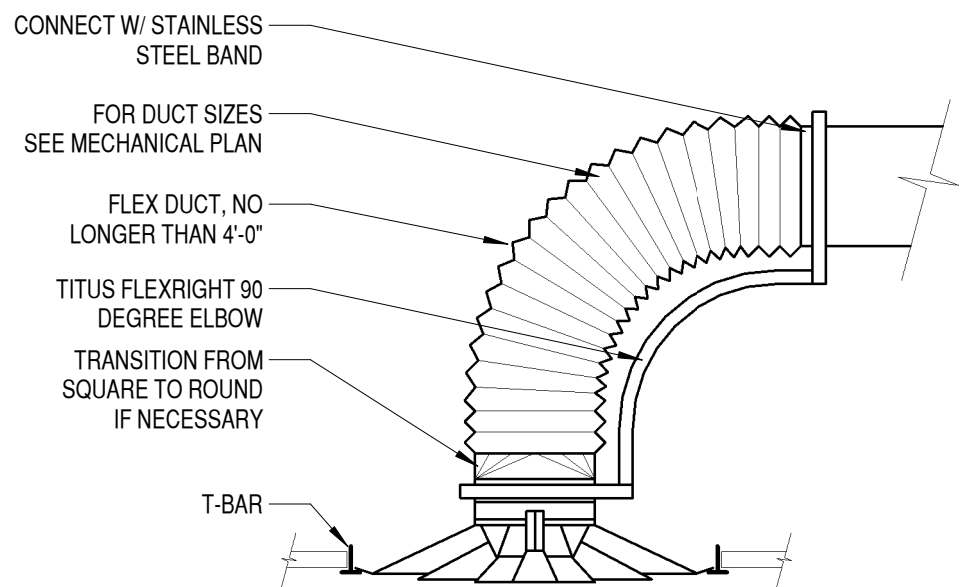
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C1  
ROUND BRANCH TAKE OFF FITTING  
DETAIL  
NO SCALE



C2  
DIFFUSER IN LAY-IN CEILING WITH  
FLEX ELBOW DETAIL  
NO SCALE

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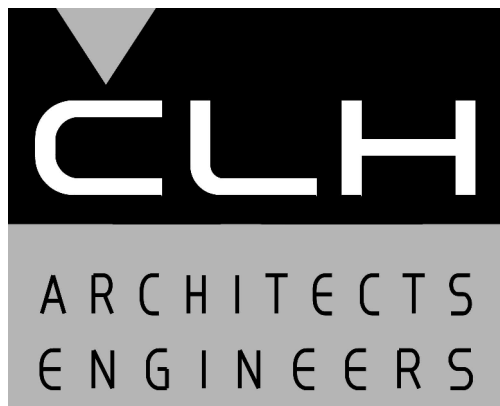
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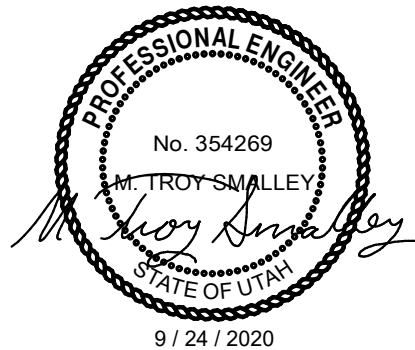
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SHEET TITLE

MECHANICAL  
DETAILS

SHEET NO:

M501



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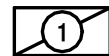
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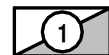
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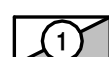
LIGHTING



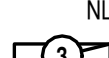
FIXTURE - RECESSED, SURFACE OR PENDANT MOUNT, NUMBER INDICATES FIXTURE TYPE



FIXTURE - RECESSED OR SURFACE MOUNT WITH EMERGENCY BATTERY PACK, NUMBER INDICATES FIXTURE TYPE



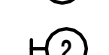
NUMBER INDICATES FIXTURE TYPE, NL (NIGHT LIGHT) POWERED AT ALL TIMES



FIXTURE - CHAIN, RECESSED, SURFACE OR PENDANT HUNG NUMBER INDICATES FIXTURE TYPE



SMALL LIGHT FIXTURE



WALL MOUNTED LIGHT FIXTURE, NUMBER INDICATES TYPE OF FIXTURE



EXIT LIGHT, TOP MOUNTED, DARKENED AREA REPRESENTS LETTERED FACE WITH EMERGENCY LIGHTS



EXIT LIGHT, TOP MOUNTED, ARROW INDICATES DIRECTION OF EGRESS, WITH EMERGENCY LIGHTS

SWITCHES (+48" UNLESS NOTED)



SINGLE POLE SWITCH



THREE-WAY SWITCH



OCCUPANCY SENSOR WALL SWITCH



LED DIMMER / OCCUPANCY / DAYLIGHT SWITCH



MOTION SENSOR ANALOG



MOTION SENSOR SLAVE ANALOG



LIGHTING RELAY POWER PACK



DIGITAL TIMER SWITCH - 0-1 HR

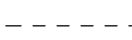


DAYLIGHT HARVESTING SENSOR

CIRCUITING



WIRING CONCEALED IN CEILING, WALL OR FLOOR



WIRING EXISTING



CROSSLINES INDICATE NUMBER OF #12 CONDUCTORS, GROUND IS REPRESENTED BY CROSSLINE WITH DOT ON TOP, OTHER CONDUCTORS AND CONDUIT AS INDICATED.



BRANCH CIRCUIT HOMERUN TO PANELBOARD; NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS, LETTER AND NUMBER NOTATION IDENTIFIES PANEL AND CIRCUIT NUMBER(S).

PANELBOARDS AND POWER EQUIPMENT



SURFACE MOUNTED PANELBOARD AND CABINET



SWITCHBOARD OR DISTRIBUTION PANELBOARD (AS NOTED)



SAFETY DISCONNECT SWITCH - UNFUSED



FUSED DISCONNECT



MOTOR OUTLET, HORSEPOWER AS INDICATED



REFERS TO MECHANICAL OR OWNERS EQUIPMENT ITEM SEE SCHEDULES

RECEPTACLES (+18" UNLESS NOTED)



SINGLE RECEPTACLE, NEMA 5-20R, GROUNDING TYPE



DUPLEX RECEPTACLE, NEMA 5-20R, GROUNDING TYPE



QUAD RECEPTACLE (DOUBLE DUPLEX), NEMA 5-20R, GROUNDING TYPE



DUPLEX RECEPTACLE, 5-20R, GROUNDING TYPE, RECESS MOUNTED IN THE FLOOR FBS FLOOR BOX SYSTEMS C01 SFN AND STAINLESS STEEL FACEPLATE KIT - SEE DETAIL C1/EP501



SPECIAL PURPOSE OUTLET - 120 V., 1 PHASE, AT CEILING



SPECIAL PURPOSE OUTLET - 208 V., 1 PHASE - NUMBER INDICATES AMPERAGE, NO NUMBER INDICATES 20 AMPS



JUNCTION BOX



EQUIPMENT DROP - SEE DETAIL



HOT WATER TANK

COMMUNICATIONS SYSTEMS



TELEPHONE OUTLET w/ 3/4" C. TO CABLE TRAY, PROVIDE 1 EA. CAT. 6, 4 PAIR CABLE ON SINGLE GANG PLATE w/MODULAR JACKS, 1-RJ45



DATA OUTLET w/ 3/4" C. TO CABLE TRAY, PROVIDE 1 EA. CAT. 6, 4 PAIR CABLES ON SINGLE GANG PLATE w/MODULAR JACKS, 1-RJ45



TELEPHONE / DATA OUTLET w/ 3/4" C. TO CABLE TRAY, PROVIDE 1 EA. CAT. 6 AND 1 EA. CAT 6 - 4 PAIR CABLE ON SINGLE GANG PLATE w/MODULAR JACKS, 2-RJ45.



TELEPHONE TERMINAL BACKBOARD



LOCAL AREA NETWORK

ONE-LINE DIAGRAM



DISCONNECT SWITCH

ABBREVIATIONS



KEYED NOTE CALLOUT - LETTERS & NUMBERS AS INDICATED



AMPERE



ABOVE FINISHED FLOOR



AMPERES INTERRUPTING CAPACITY



APPROXIMATELY



CONDUIT



CIRCUIT BREAKER



CIRCUIT



COPPER



EXISTING



FIRE ALARM



FLOOR



GROUND FAULT CIRCUIT-INTERRUPTER



GROUND



LIGHT EMITTING DIODE



MAXIMUM



MINIMUM



NEW



NATIONAL ELECTRICAL CODE



NIGHT LIGHT ON UNSWITCHED CIRCUIT



ON CENTER



OVERHEAD



ROOM



TELEPHONE TERMINAL BOARD



TYPICAL



VOLT



WATT



WITH



MOUNTING HEIGHT ABOVE FINISHED FLOOR OR GRADE

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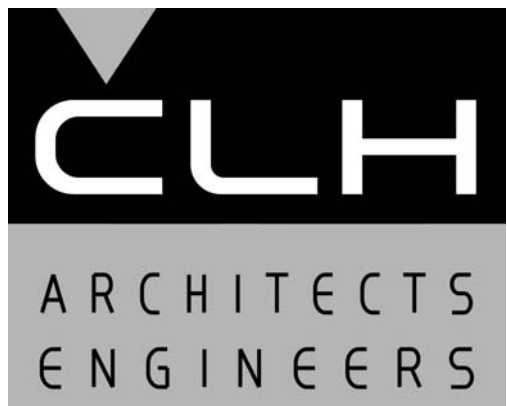
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ELECTRICAL LIGHTING KEYED NOTES	
MARK	NOTE
EL1	SEE DETAIL C3 / EP501 FOR FAN WIRING DETAILS.



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DRAWN BY:	J.M.S.
CHK'D BY:	M.L.G.

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24 September 2020

SHEET TITLE

ELECTRICAL  
LIGHTING PLAN

SHEET NO:

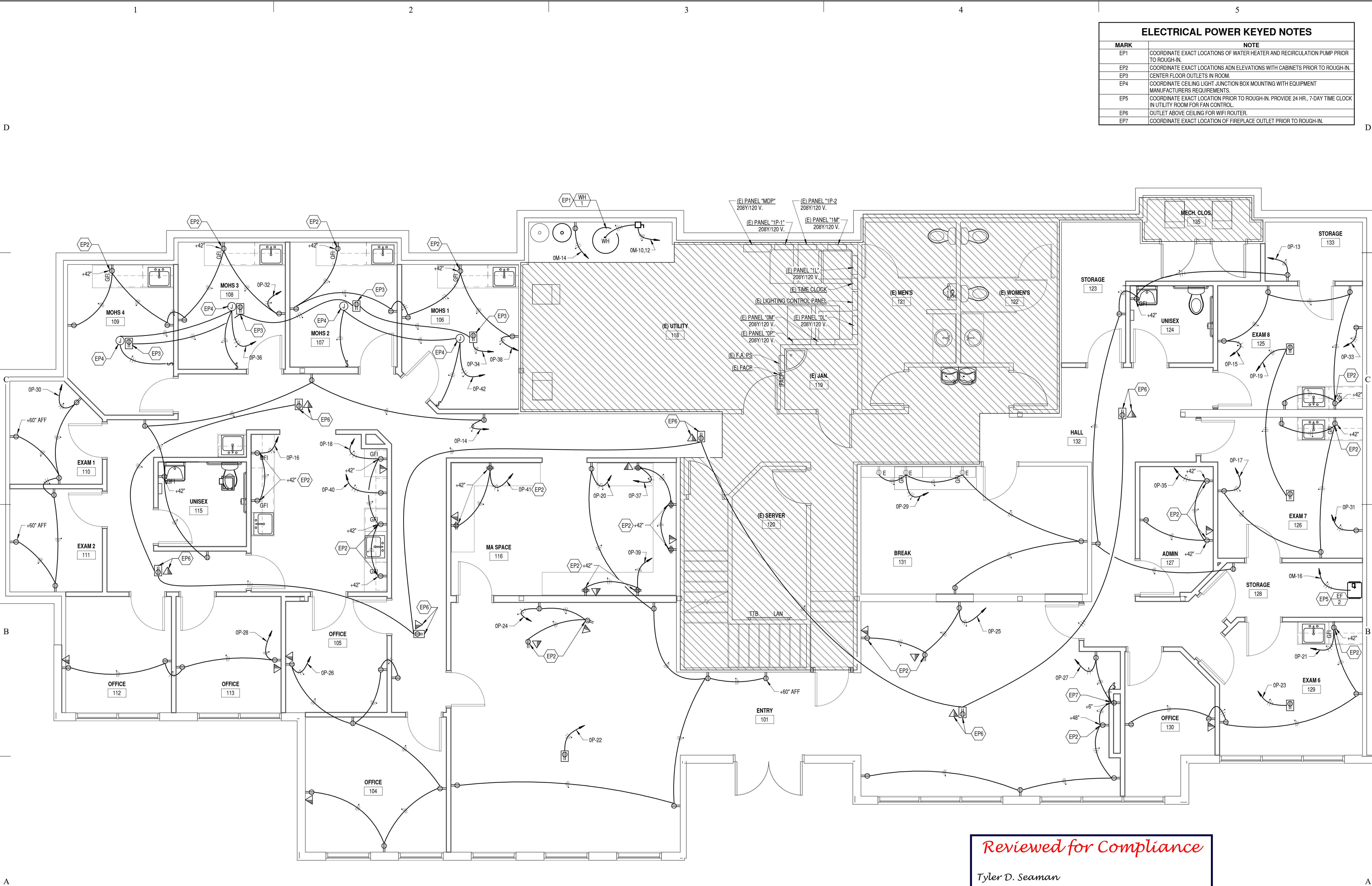
EL101

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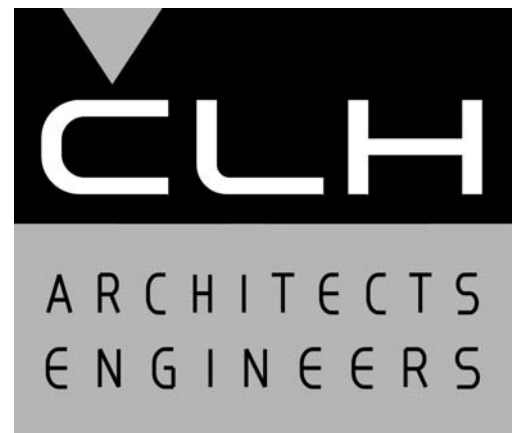
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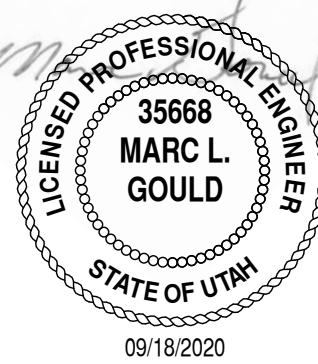
ELECTRICAL POWER KEYED NOTES	
MARK	NOTE
EP1	COORDINATE EXACT LOCATIONS OF WATER HEATER AND RECIRCULATION PUMP PRIOR TO ROUGH-IN.
EP2	COORDINATE EXACT LOCATIONS AND ELEVATIONS WITH CABINETS PRIOR TO ROUGH-IN.
EP3	CENTER FLOOR OUTLETS IN ROOM.
EP4	COORDINATE CEILING LIGHT JUNCTION BOX MOUNTING WITH EQUIPMENT MANUFACTURERS REQUIREMENTS.
EP5	COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE 24 HR., 7-DAY TIME CLOCK IN UTILITY ROOM FOR FAN CONTROL.
EP6	OUTLET ABOVE CEILING FOR WIFI ROUTER.
EP7	COORDINATE EXACT LOCATION OF FIREPLACE OUTLET PRIOR TO ROUGH-IN.



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ROCKY MOUNTAIN  
*Dermatology*

Tenant  
Improvement

5748 South Adams Avenue  
Washington Terrace, Utah

MARK	DATE	DESCRIPTION
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ISSUE DATE:	9/24/2020
PROJECT NO:	20330
CAD DWG FILE:	
DRAWN BY:	J.M.S.
CHK'D BY:	M.L.G.

Permit Set

24 September 2020

SHEET TITLE

ELECTRICAL POWER  
PLAN

SHEET NO:

EP101

A2 ELECTRICAL POWER PLAN  
1/4" = 1'-0"

*Reviewed for Compliance*

Tyler D. Seaman

Building Official

12/11/2020

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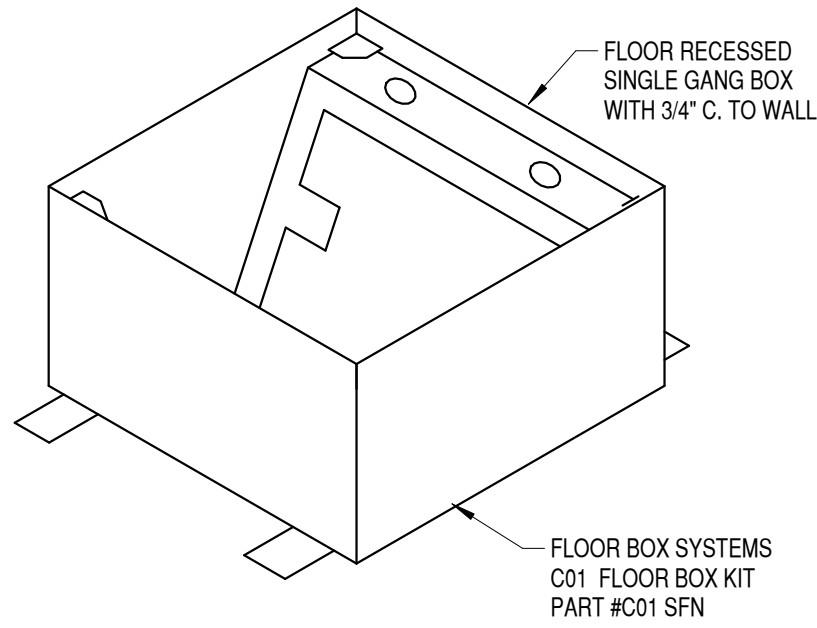
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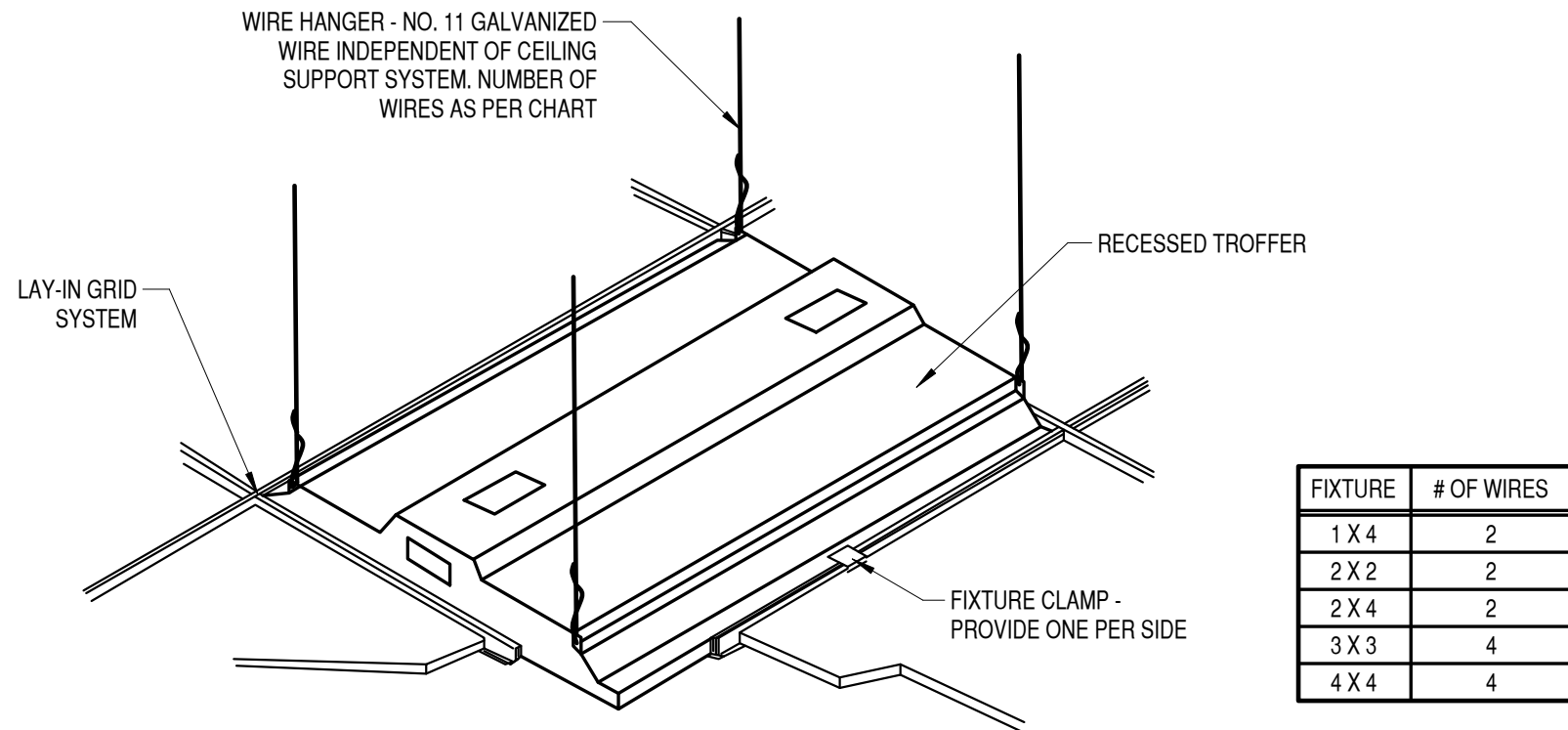
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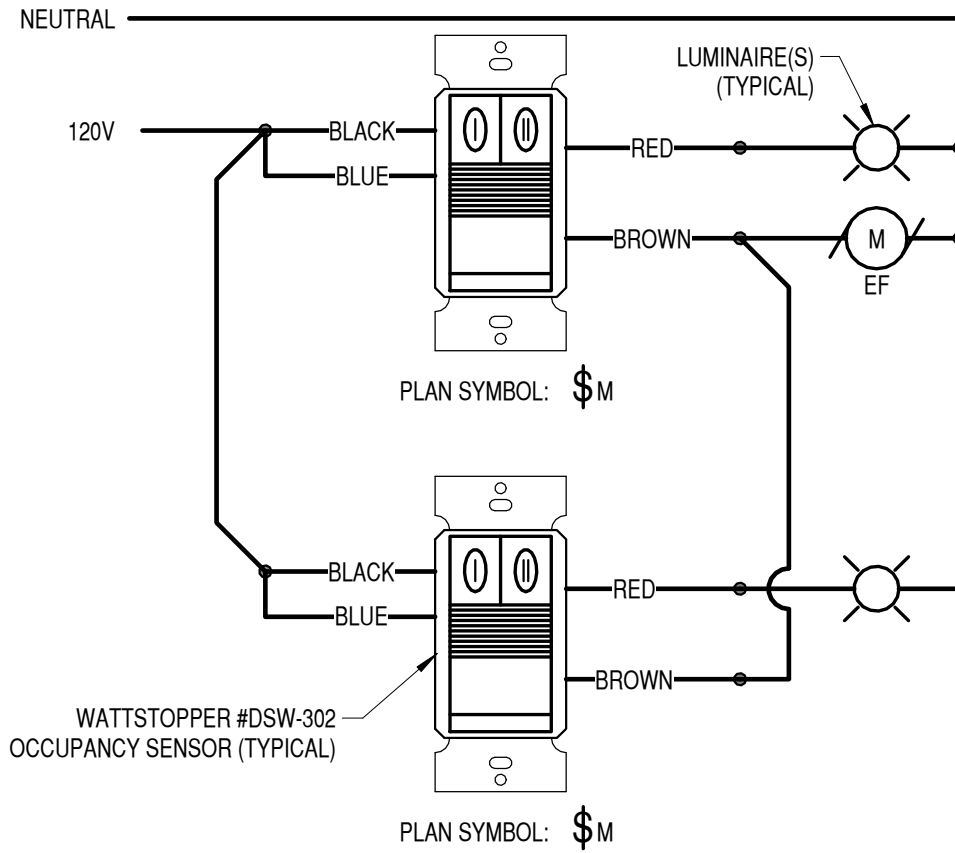
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C1 FLOOR BOX DETAIL  
NONE



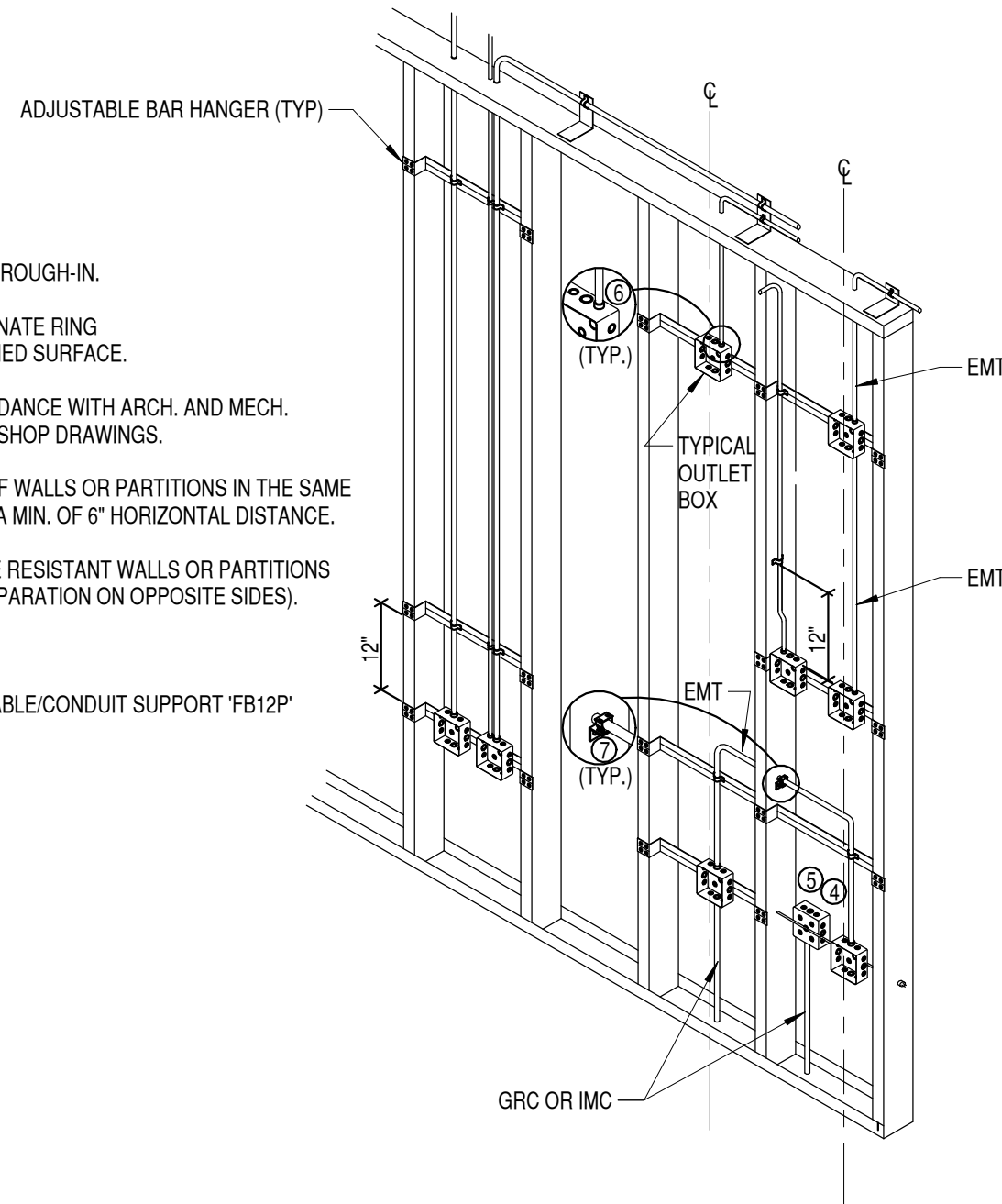
A1 TYPICAL RECESSED FIXTURE DETAIL  
NONE



GENERAL NOTES APPLICABLE TO THIS DETAIL:

- CONTRACTOR SHALL SET DIP SWITCHES TO ACCOMPLISH THE FOLLOWING SEQUENCE OF OPERATION:
  - RELAY 1 (RED WIRE) OF EACH OCCUPANCY SENSOR SHALL BE SET AS MANUAL ON TO TURN LIGHTS IN THE RESTROOM ON AND SHALL TURN LIGHTS OFF AFTER 15 MINUTES OF NOT SENSING MOTION.
  - ONLY THE LIGHTS WITHIN THE RESTROOM ASSOCIATED WITH THE OCCUPANCY SENSOR SHALL BE ENERGIZED BY THE OCCUPANCY SENSOR.
  - RELAY 2 (BROWN WIRE) OF EACH OCCUPANCY SENSOR SHALL BE SET AS AUTOMATIC ON TO TURN EXHAUST FAN ON UPON OCCUPANT ENTERING THE ROOM AND SHALL AUTOMATICALLY TURN EXHAUST FAN OFF AFTER 30 MINUTES OF NOT SENSING MOTION.
  - ACTIONATION OF EITHER OCCUPANCY SENSOR SHALL ENERGIZE THE EXHAUST FAN. EXHAUST FAN SHALL ONLY TURN OFF WHEN BOTH OCCUPANCY SENSORS TIMEOUT AFTER 30 MINUTES OF NOT SENSING MOTION.
  - EXHAUST FAN SHALL REMAIN RUNNING FOR 15 MINUTES AFTER THE OCCUPANCY SENSOR SWITCHES THE ROOM'S LIGHTING OFF.

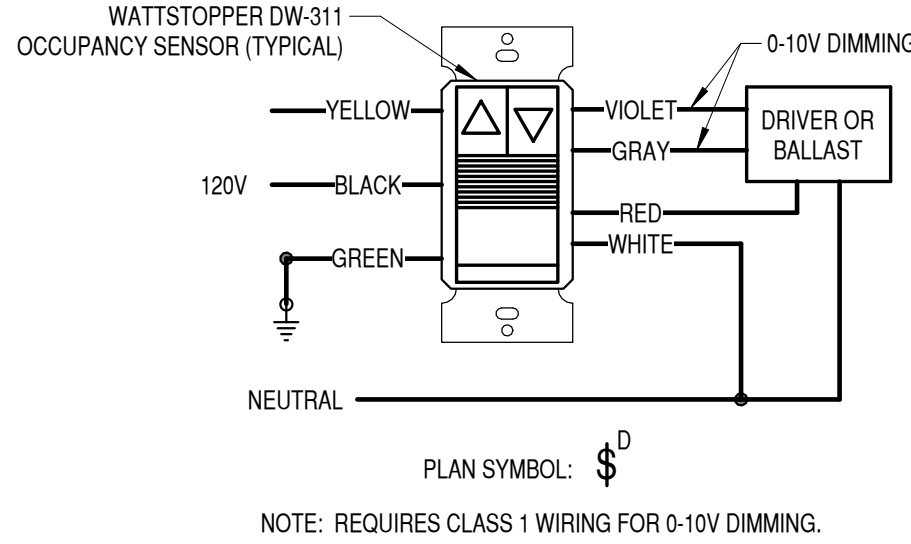
C3 RESTROOM LIGHTING AND EXHAUST FAN CONTROL DETAIL  
NONE



NOTES:

- TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
- PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISHED SURFACE.
- LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCH. AND MECH. DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
- OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
- ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH BC 711.3.2 (24" SEPARATION ON OPPOSITE SIDES).
- EMT CONNECTOR.
- CADDY FASTENER, THROUGH STUD CABLE/CONDUIT SUPPORT 'FB12P' OR EQUIVALENT.

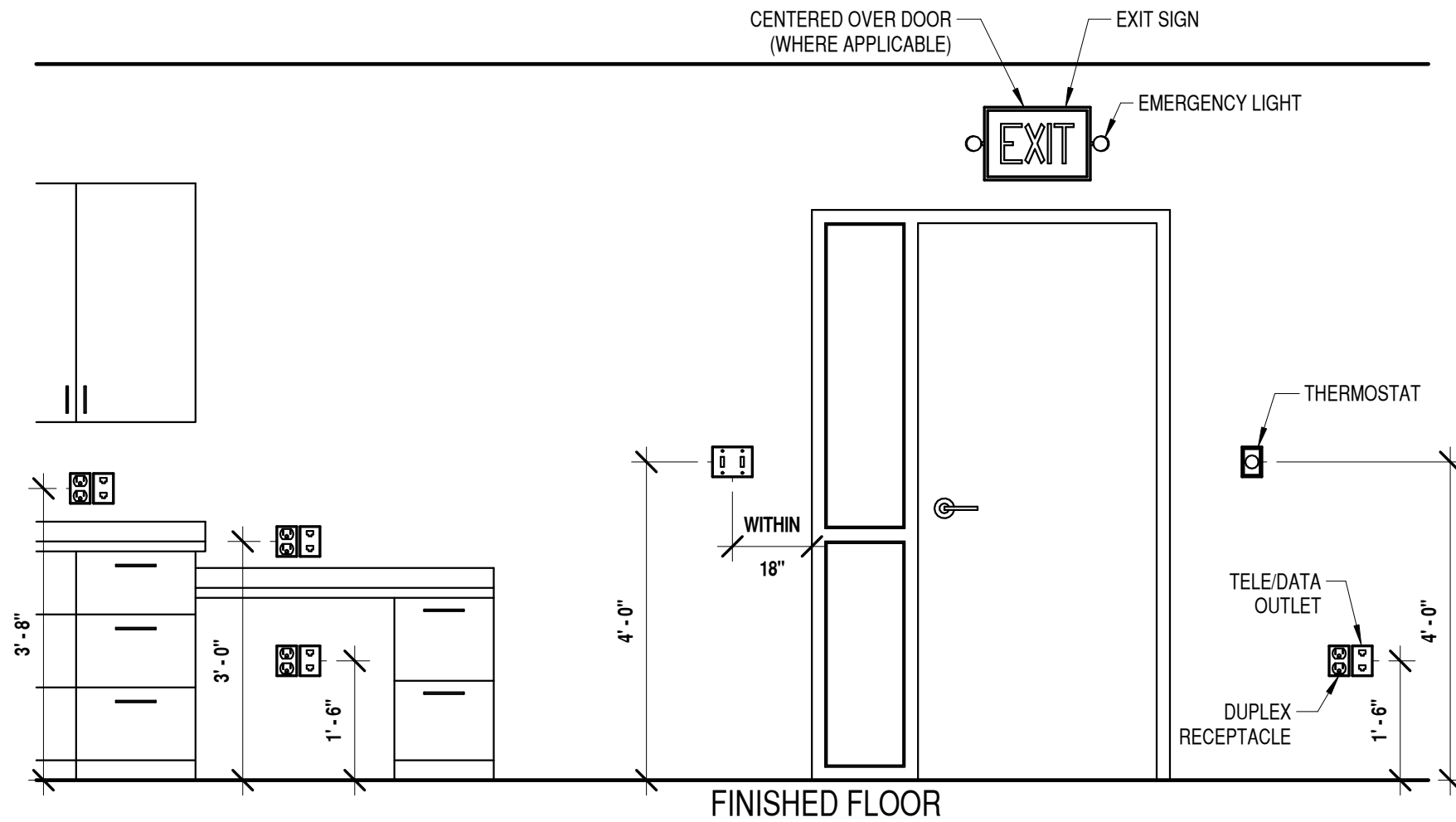
A3 TYPICAL ROUGH-IN DETAIL  
NONE



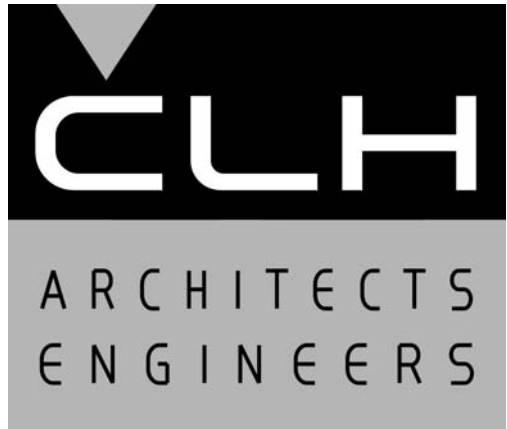
GENERAL NOTES APPLICABLE TO THIS DETAIL:

- CONTRACTOR SHALL SET DIP SWITCHES TO ACCOMPLISH THE FOLLOWING SEQUENCE OF OPERATION:
  - AUTO MODE
  - STANDARD TRIGGER MODE.

C4 DIMMING MOTION SENSOR SWITCH DETAIL  
NONE



A4 MOUNTING HEIGHT DETAIL  
NONE



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Washington Terrace, Utah

MARK DATE DESCRIPTION

ISSUE DATE: 9/24/2020  
PROJECT NO: 20330  
CAD DWG FILE:  
DRAWN BY: J.M.S.  
CHK'D BY: M.L.G.

Permit Set

24 September 2020

SHEET TITLE

ELECTRICAL DETAILS

SHEET NO:

EP501

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LIGHT FIXTURE SCHEDULE																
NO	DESCRIPTION	VOLTS	MTG.	LENS	FINISH	LAMPS				BALLAST/DRIVER				MANUFACTURER & CATALOG NUMBER (NO SUBSTITUTIONS WITHOUT PRIOR APPROVAL) NOTE		DETAILS
						TYPE		NO. OF LAMPS	LAMP TYPE	TYPE		NO. PER LUMINAIRE	INPUT WATTS			
						F	H			S	E			0		
T-1	2 X 2 LED LAY-IN	120	CEILING SUSPENDED	ACRYLIC	WHITE			*	1	LED 4000K	*		1	40	C-LITE C-TR-A-FP22N	
T-2	2' LINEAR	120/277	WALL	ACRYLIC	WHITE			E	1	LED 4000K	E		1	53	ARCHER HPW324 LED40 2U2D	
E-1	COMBO EXIT/EMERGENCY LIGHT	120/277	WALL OR CEILING SURFACE	GREEN LETTERS	WHITE			*	1	LED	*		1	1.4	LITHONIA ECC G M6	
E-2	COMBO EXIT/EMERGENCY LIGHT WITH...	120/277	WALL OR CEILING SURFACE	GREEN LETTERS	WHITE			*	1	LED	*		1	1.4	LITHONIA ECC G REM M6 LITHONIA ERE W SGL WP RD	

EQUIPMENT SCHEDULE															
CRKT.	EQUIP. NO.	DESCRIPTION	VOLTS	PHASE	WATTS HP	BRK	STARTER SIZE	CONTROL H.O.A. P.B.		PILOT GRN RED		CONTACTS N.O. N.C.		CONTROL TRANS.	REMARKS
0L-10	EF-1	EXHAUST FAN	120	1	100 W	20	S								MOTION SENSOR SWITCH
0M-16	EF-2	EXHAUST FAN	120	1	528 W	20	S								PROVIDE ELECTRONIC 7 DAY PROGRAMMABLE TIME CLOCK FOR CONTROL
0M-10,1 2	WH-1	WATER HEATER	208	1	4500 W	30									30A NON-FUSED DISCONNECT
0M-14	P-1	DOMESTIC WATER CIRCULATION PUMP	120	1	25W	20									CORD AND PLUG CONNECTION

Reviewed for Compliance

Tyler D. Seaman

Building Official

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Washington Terrace, Utah

MARK	DATE	DESCRIPTION
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ISSUE DATE:	9/24/2020
PROJECT NO:	20330
CAD DWG FILE:	
DRAWN BY:	J.M.S.
CHK'D BY:	M.L.G.

Permit Set  
24 September 2020

SHEET TITLE

ELECTRICAL  
SCHEDULES &  
DIAGRAMS

SHEET NO:

EP601

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PANEL:	EXISTING 0L	MAIN BREAKER				NONE			VOLTAGE:			208 Y/ 120			PHASE:		3	WIRE:	4	NEMA:	1
MAINS:	225 AMPS	MOUNTING:				SURFACE			LOCATION			MECHANICAL ROOM			REMARKS:		EXISTING				
LOAD DESCRIPTION		WIRE	P	AMP	CKT	KVA			PHASE			KVA			CKT	AMP	P	WIRE	LOAD DESCRIPTION		
						PWR	LTS	C.O.	A	B	C	C.O.	LTS	PWR							
HALLWAY LIGHTING		12	1	20	1				0.94				0.84	0.10	2	20	1	12	EAST EXAM ROOM & STORAGE LTS		
RESTROOM LIGHTING		12	1	20	3					0.68			0.68		4	20	1	12	EAST WAITING RM & OFFICE LTS		
LEASE SPACE LIGHTING		12	1	20	5						0.68		0.68		6	20	1	12	WEST WAITING RM & OFFICE LTS		
SPARE		12	1	20	7				0.72				0.72		8	20	1	12	EXAM & LAB LTS		
SPARE		12	1	20	9					0.86			0.76	0.10	10	20	1	12	MOHS & HALLWAY LTS		
SPARE		12	1	20	11						0.00				12	20	1	12	SPARE		
SPARE		12	1	20	13				0.00						14	20	1	12	SPARE		
SPARE		12	1	20	15					0.00					16	20	1	12	SPARE		
SPARE		12	1	20	17						0.00				18	20	1	12	SPARE		
SPARE		12	1	20	19				0.00						20	20	1	12	SPARE		
SPARE		12	1	20	21					0.00					22	20	1	12	SPARE		
SPARE		12	1	20	23						0.00				24	20	1	12	SPARE		
SPARE		12	1	20	25				0.00						26	20	1	12	SPARE		
SPARE		12	1	20	27					0.00					28	20	1	12	SPARE		
SPARE		12	1	20	29						0.00				30	20	1	12	SPARE		
SPARE		12	1	20	31				0.00						32	20	1	12	SPARE		
SPARE		12	1	20	33					0.00					34	20	1	12	SPARE		
SPARE		12	1	20	35						0.00				36	20	1	12	SPARE		
SPARE		12	1	20	37				0.00						38	20	1	12	SPARE		
SPARE		12	1	20	39					0.00					40	20	1	12	SPARE		
SPARE		12	1	20	41						0.00				42	20	1	12	SPARE		
SUB-TOTAL (KVA)						0.00	0.00	0.00	1.66	1.54	0.68	0.00	3.68	0.20							
**PROVIDE GFCI BREAKER								TYPE OF LOAD						CONNECTED			DIVERSITY		DEMAND		
**PROVIDE UL LISTED FIRE ALARM BREAKER HANDLE								LIGHTING						3.68			100%		3.68		
								POWER						0.20			70%		0.20		
								C.O.						0.00			NEC 220.44		0.00		
PANEL LOADING		5%						TOTAL						3.88			KVA		3.88		
9/16/2020 8:58						TOTAL						11			AMPS		11				

PANEL:	EXISTING OM	MAIN BREAKER			NONE			VOLTAGE:		208 Y/ 120			PHASE:		3	WIRE:	4	NEMA:	1		
MAINS:	225 AMPS	MOUNTING:			SURFACE			LOCATION		MECHANICAL ROOM			REMARKS:		EXISTING						
LOAD DESCRIPTION		WIRE	P	AMP	CKT	KVA			PHASE			KVA			CKT	AMP	P	WIRE	LOAD DESCRIPTION		
						PWR	LTS	C.O.	A	B	C	C.O.	LTS	PWR							
SPARE		12	1	20	1				0.00						2	20	1	12	SPARE		
SPARE		12	1	20	3					0.00					4	20	1	12	SPARE		
SPARE		12	1	20	5						0.00				6						
EX FURNACE		12	1	20	7				0.00						8				SPARE		
SPARE		12	1	20	9					2.75				2.75	10						
SPARE		12	1	20	11						2.75			2.75	12	30	2		0 LEVEL WATER HEATER		
SPARE		12	1	20	13				0.03					0.03	14	20	1	12	CIRCULATION PUMP		
SPARE		12	1	20	15					0.45				0.45	16	20	1	12	FANS		
SPARE		12	1	20	17						1.08			1.08	18	20	1	12	WIFI ROUTERS		
SPARE		12	1	20	19				0.00						20	20	1	12	SPARE		
SPARE		12	1	20	21					0.00					22	20	1	12	SPARE		
SPARE		12	1	20	23						0.00				24	20	1	12	SPARE		
SPARE		12	1	20	25				0.00						26	20	1	12	SPARE		
SPARE		12	1	20	27					0.00					28	20	1	12	SPARE		
SPARE		12	1	20	29						0.00				30	20	1	12	SPARE		
SPARE		12	1	20	31				0.00						32	20	1	12	SPARE		
SPARE		12	1	20	33					0.00					34	20	1	12	SPARE		
SPARE		12	1	20	35						0.00				36	20	1	12	SPARE		
SPARE		12	1	20	37				0.00						38	20	1	12	SPARE		
SPARE		12	1	20	39					0.00					40	20	1	12	SPARE		
SPARE		12	1	20	41						0.00				42	20	1	12	SPARE		
SUB-TOTAL (KVA)					0.00	0.00	0.00	0.03	3.20	3.83	0.00	0.00	7.06								
**PROVIDE GFCI BREAKER								TYPE OF LOAD						CONNECTED		DIVERSITY		DEMAND			
**PROVIDE UL LISTED FIRE ALARM BREAKER HANDLE								LIGHTING						0.00		100%		0.00			
								POWER						7.06		70%		5.00			
								C.O.						0.00		NEC 220.44		0.00			
PANEL LOADING		6%						TOTAL						7.06		KVA		5.00			
9/22/2020 7:30										TOTAL						20		AMPS		14	

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PANEL:	EXISTING OP	MAIN BREAKER				NONE			VOLTAGE:			208 Y/ 120			PHASE:	3	WIRE:	4	NEMA:	1	
MAINS:	225 AMPS	MOUNTING:				SURFACE			LOCATION			MECHANICAL ROOM			REMARKS:			EXISTING PANEL			
LOAD DESCRIPTION		WIRE	P	AMP	CKT	KVA			PHASE			KVA			CKT	AMP	P	WIRE	LOAD DESCRIPTION		
						PWR	LTS	C.O.	A	B	C	C.O.	LTS	PWR							
EXISTING		12	1	20	1				0.00						2	20	1	12	EXISTING		
EXISTING		12	1	20	3					0.00					4	20	1	12	EXISTING		
EXISTING		12	1	20	5						0.00				6	20	1	12	EXISTING		
EXISTING		12	1	20	7				0.00						8	20	1	12	SPARE		
EXISTING		12	1	20	9					0.00					10	20	1	12	SPARE		
SPARE		12	1	20	11						1.08	1.08			12	20	1	12	W WAITING/SAMPLE/ENTRY...		
EAST HALLWAY / STORAGE...		12	1	20	13			0.90	1.80			0.90			14	20	1	12	WEST HALLWAY OUTLETS		
EXAM 8 OUTLETS		12	1	20	15			0.90		1.26		0.36			16	20	1	12	LAB OUTLETS		
EXAM 7 OUTLTES		12	1	20	17			0.72			1.26	0.54			18	20	1	12	LAB OUTLETS		
EXAM 8 & 7 FLOOR OUTLETS		12	1	20	19			0.36	1.44			1.08			20	20	1	12	W WAITING/SAMPLE/ENTRY...		
OFFICE / EXAM 6 OUTLETS		12	1	20	21			0.72		0.90		0.18			22	20	1	12	W WAITING FLOOR OUTLET		
EXAM 6 FLOOR OUTLET		12	1	20	23			0.18			0.72	0.54			24	20	1	12	W WAITING COUNTER OUTLETS		
E WAITING COUNTER OUTLETS		12	1	20	25			0.54	1.80			1.26			26	20	1	12	EMIL'S OFFICE		
E WAITING OUTLETS		12	1	20	27			1.08		1.80		0.72			28	20	1	12	PA OFFICE		
BREAK ROOM OUTLETS		12	1	20	29			0.90			1.62	0.72			30	20	1	12	EXAM 1 & 2 OUTLETS		
EXAM 7 OUTLET		12	1	20	31			0.18	1.24			1.06			32	20	1	12	MOHS 3 & 4 WALL OUTLETS		
EXAM 8 OUTLETS		12	1	20	33			0.18		0.90		0.72			34	20	1	12	MOHS FLOOR OUTLETS		
ADMIN		12	1	20	35			0.54			0.90	0.36			36	20	1	12	MOHS 3 & 4 CEILING OUTLETS		
MA SPACE OUTLETS		12	1	20	37			0.36	1.42			1.06			38	20	1	12	MOHS 1 & 2 WALL OUTLETS		
MA SPACE OUTLERS		12	1	20	39			0.36		0.54		0.18			40	20	1	12	LAB OUTLETS		
MA SPACE OUTLETS		12	1	20	41			0.36			0.72	0.36			42	20	1	12	MOHS 1 & 2 CEILING OUTLETS		
SUB-TOTAL (KVA)						0.00	0.00	8.28	7.70	5.40	6.30	11.12	0.00	0.00							
*PROVIDE GFCI BREAKER								TYPE OF LOAD						CONNECTED			DIVERSITY		DEMAND		
**PROVIDE UL LISTED FIRE ALARM BREAKER HANDLE								LIGHTING						0.00			100%		0.00		
								POWER						0.00			70%		0.00		
								C.O.						19.40			NEC 220.44		14.70		
PANEL LOADING		18%						TOTAL						19.40			KVA		14.70		
9/16/2020 8:58						TOTAL						54			AMPS		41				

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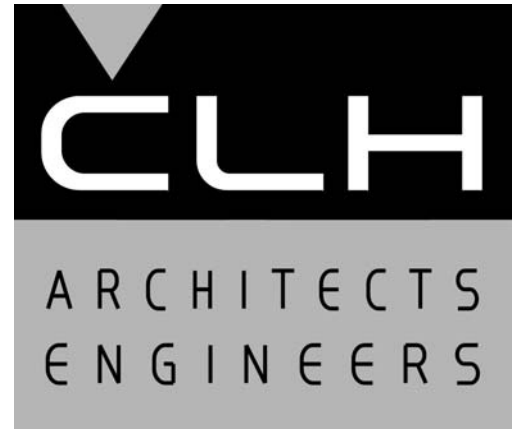
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ISSUE DATE: 9/24/2020  
PROJECT NO: 20330  
CAD DWG FILE:  
DRAWN BY: J.M.S.  
CHK'D BY: M.L.G.

Permit Set

24 September 2020

SHEET TITLE

ELECTRICAL PANEL  
SCHEDULES

SHEET NO:

EP701

9/22/2020 9:36:07 AM