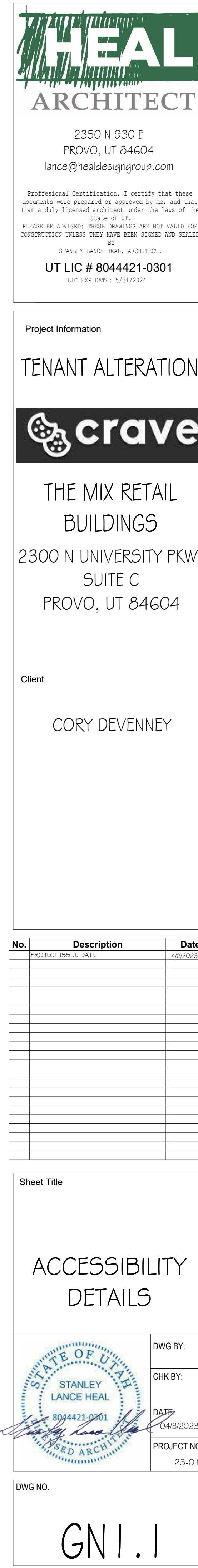
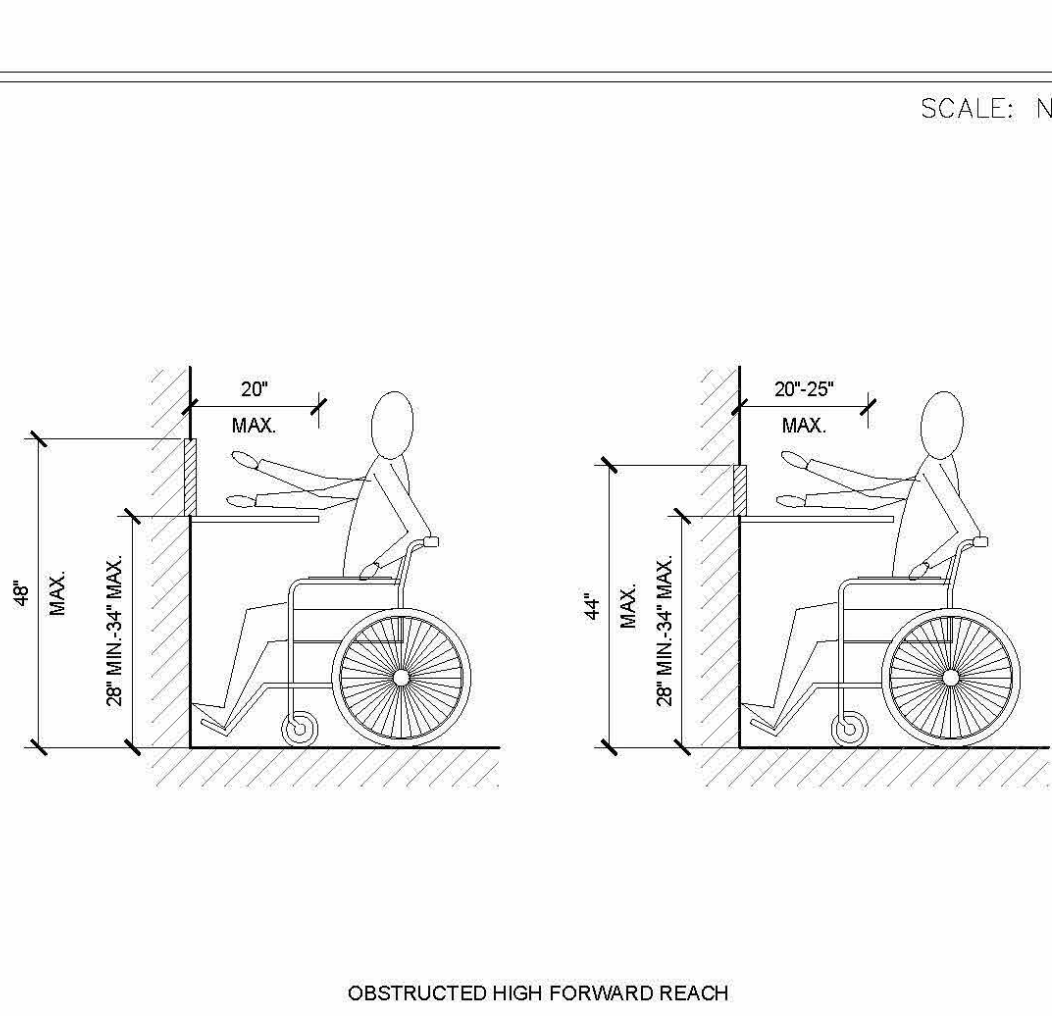
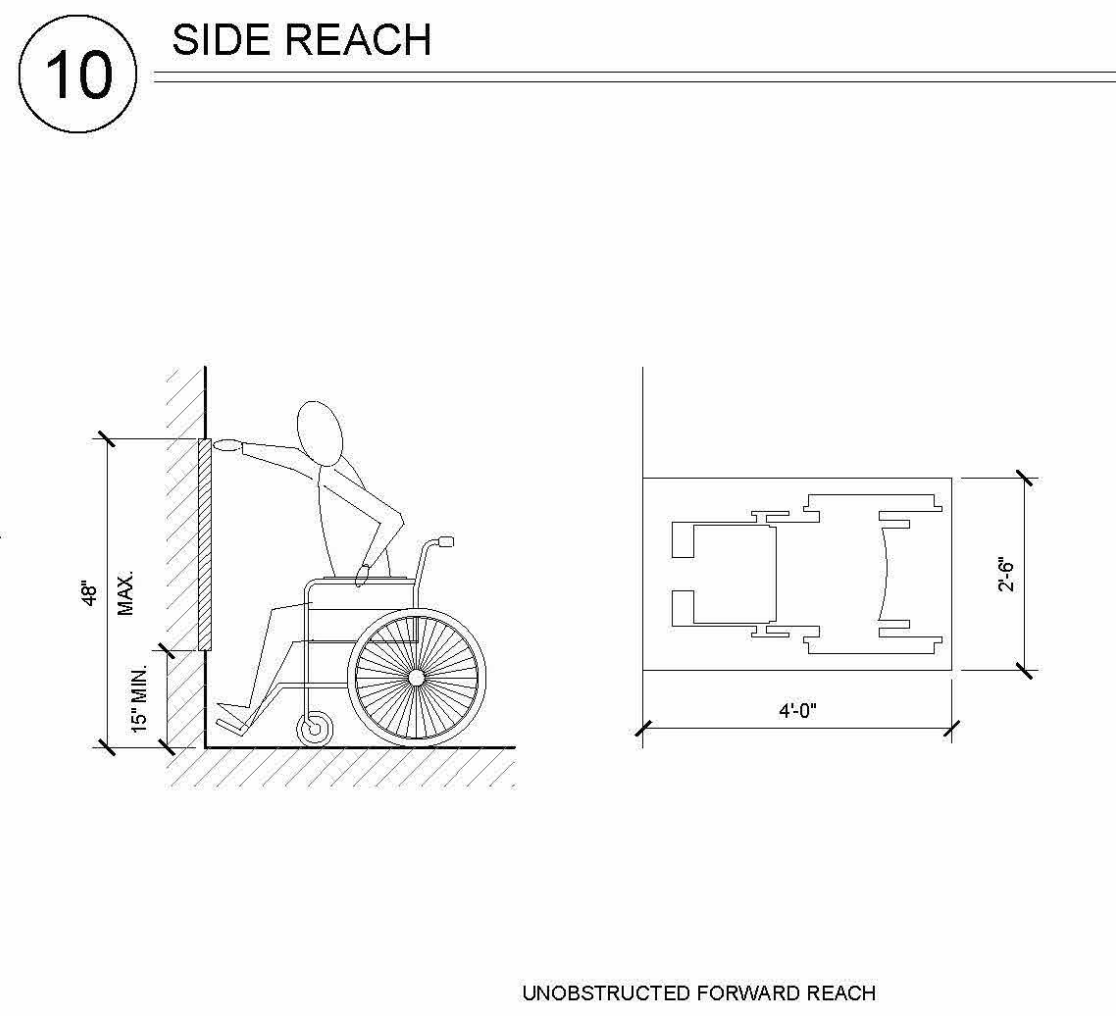
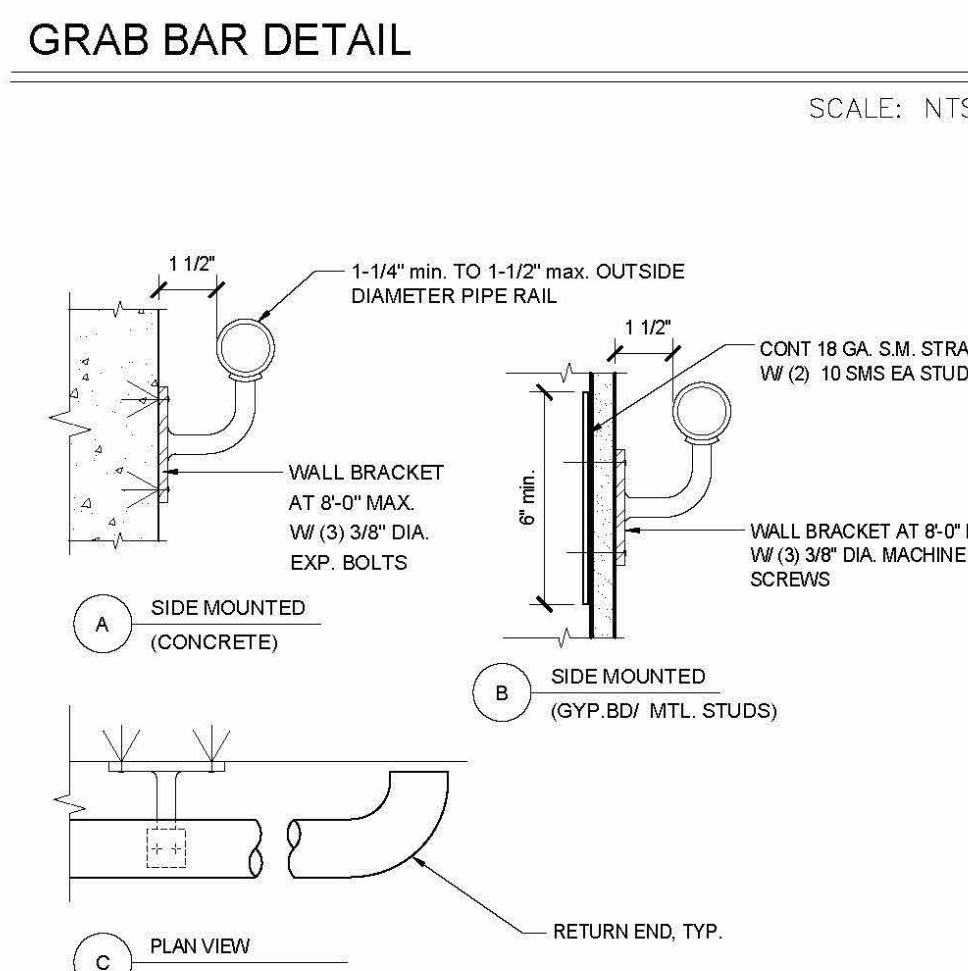
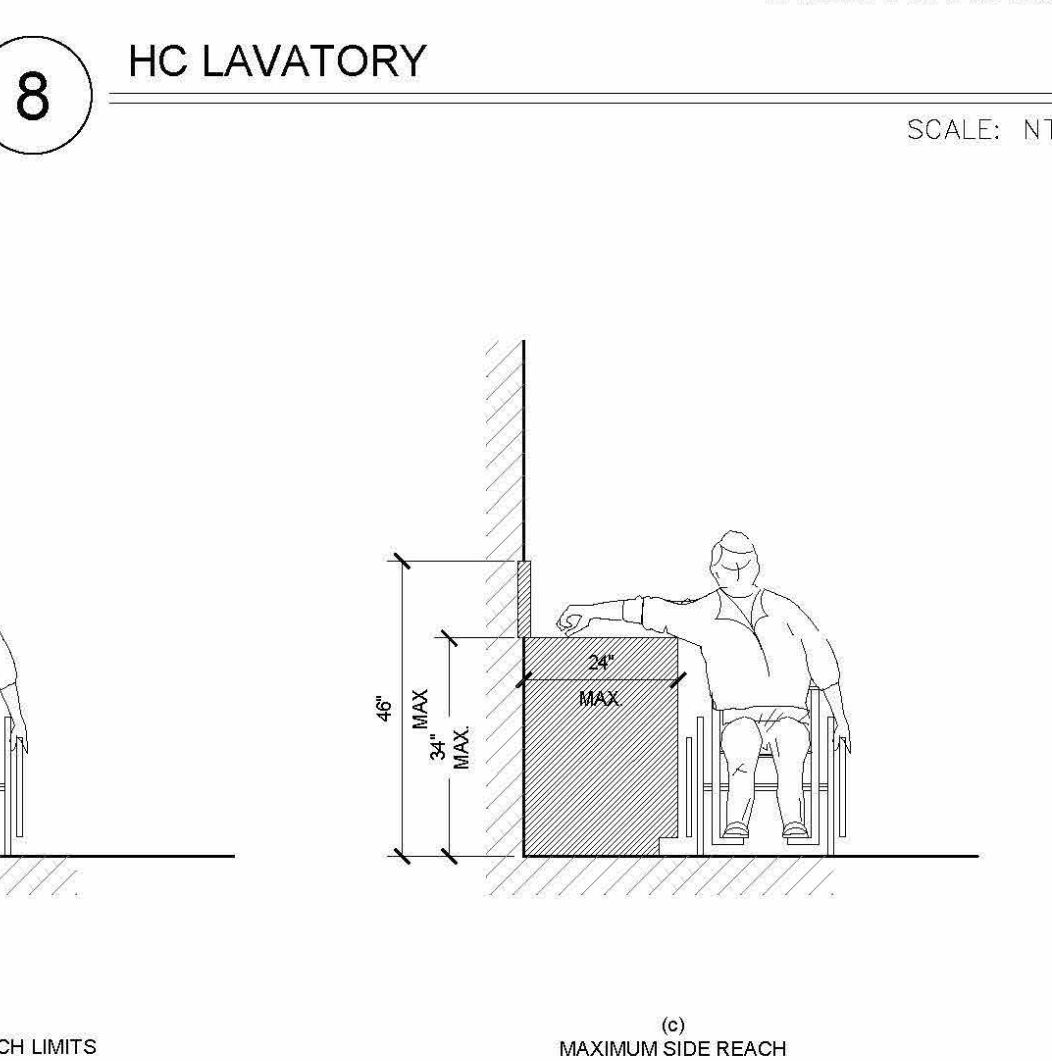
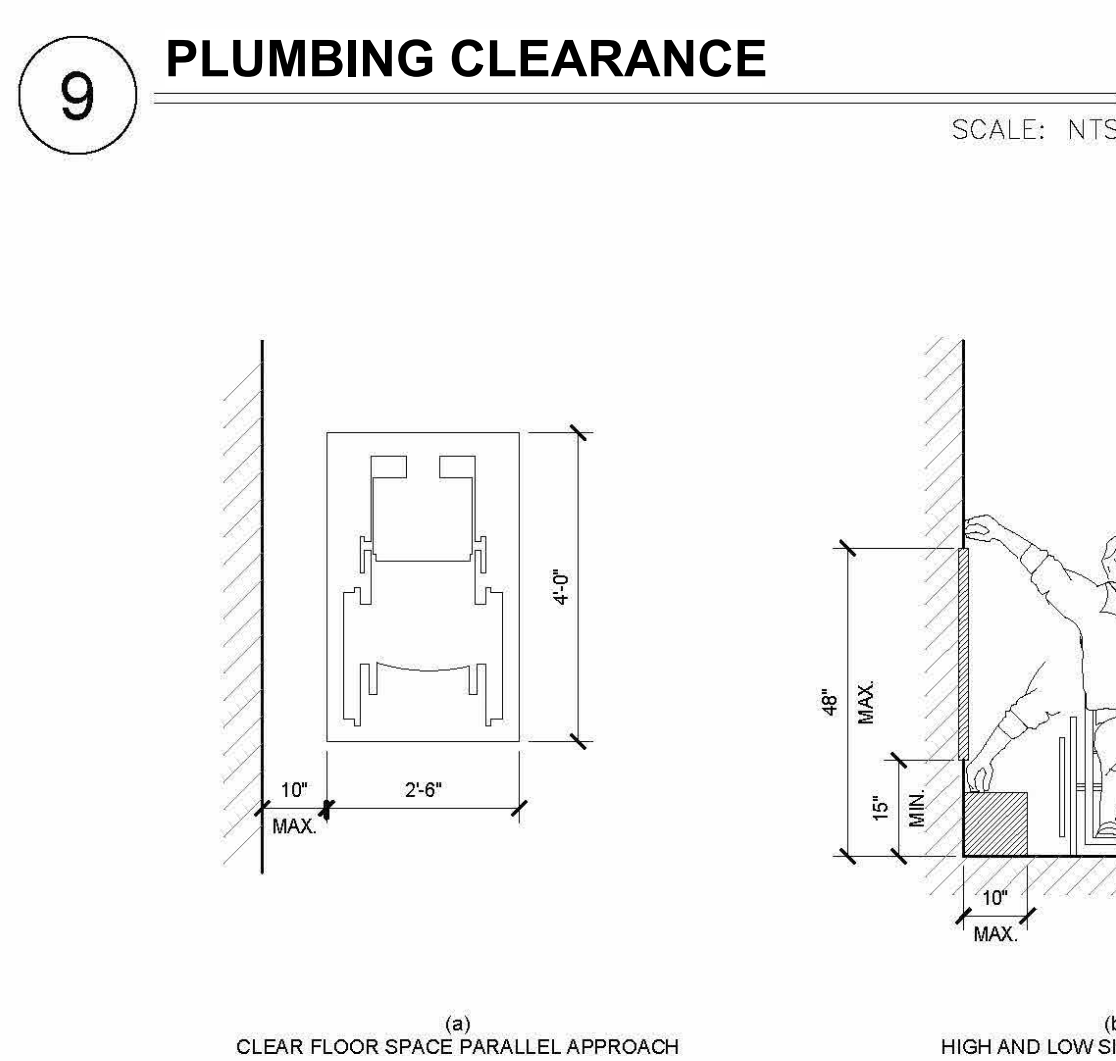
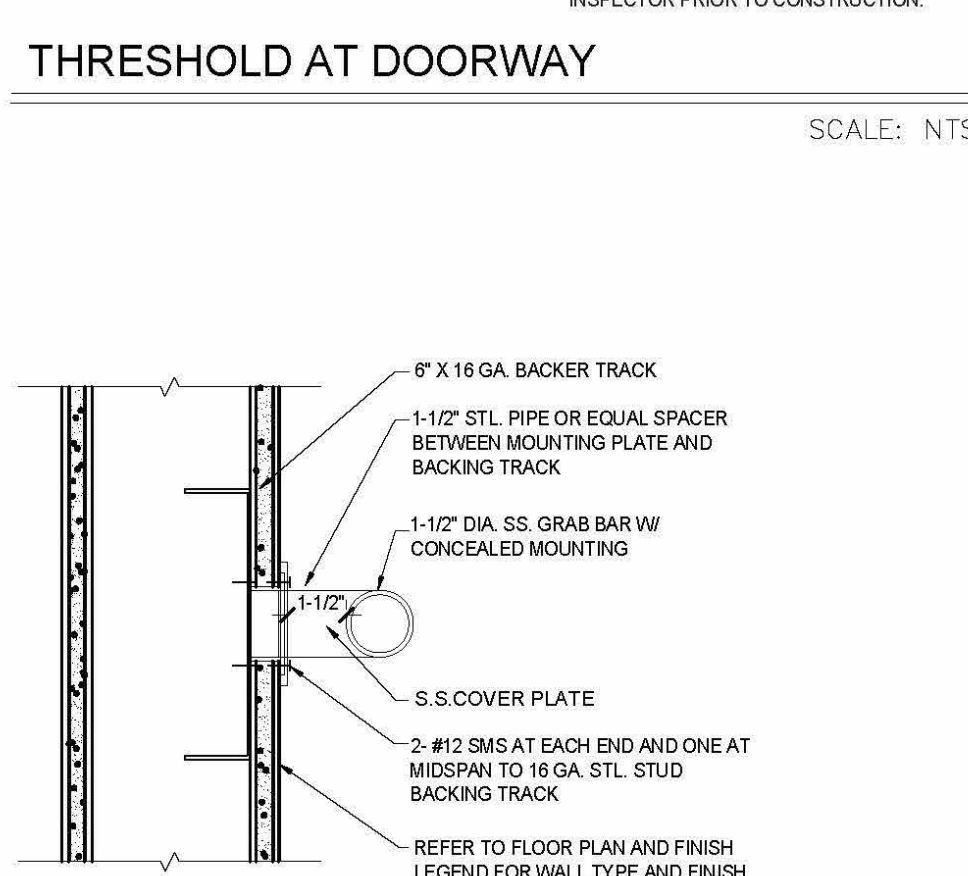
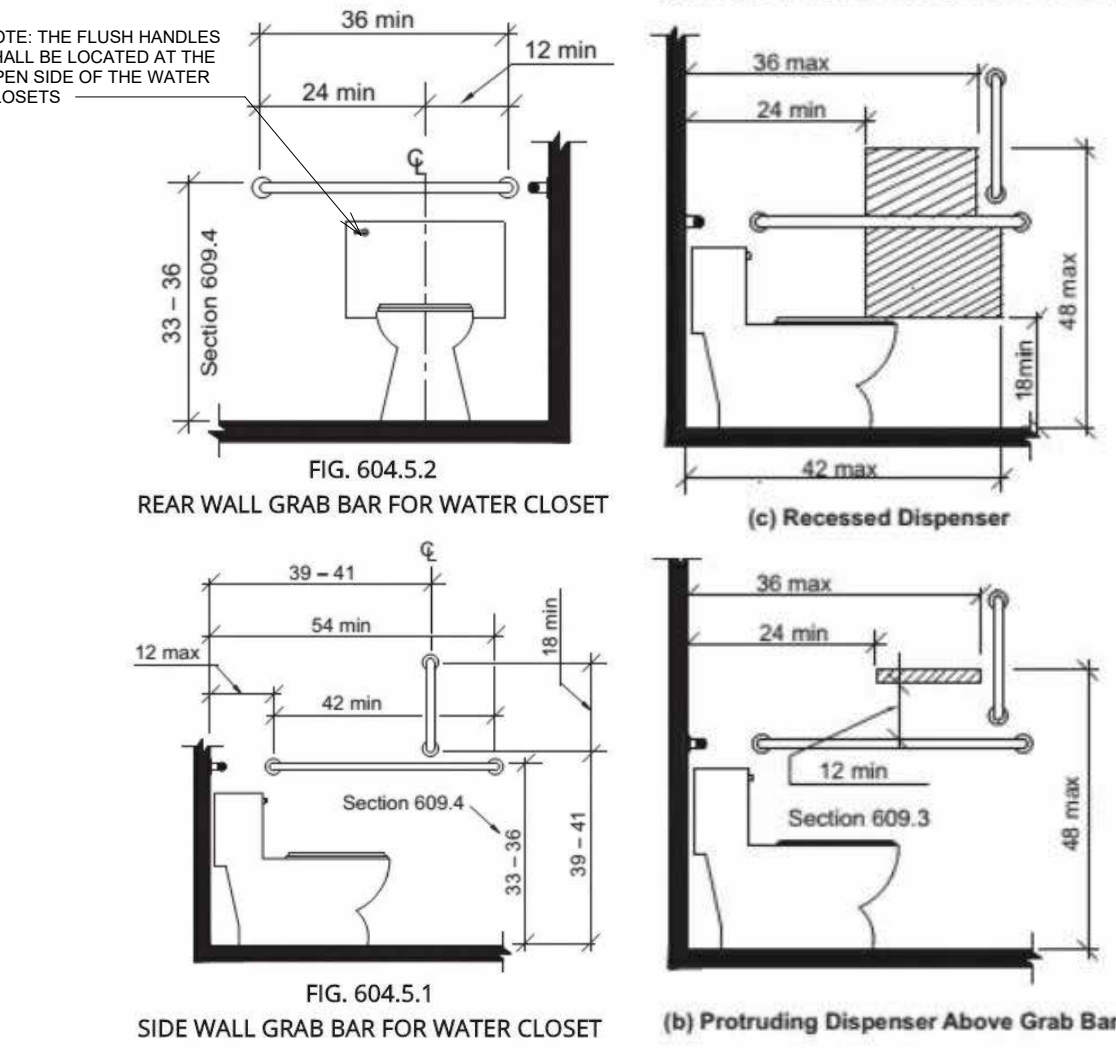
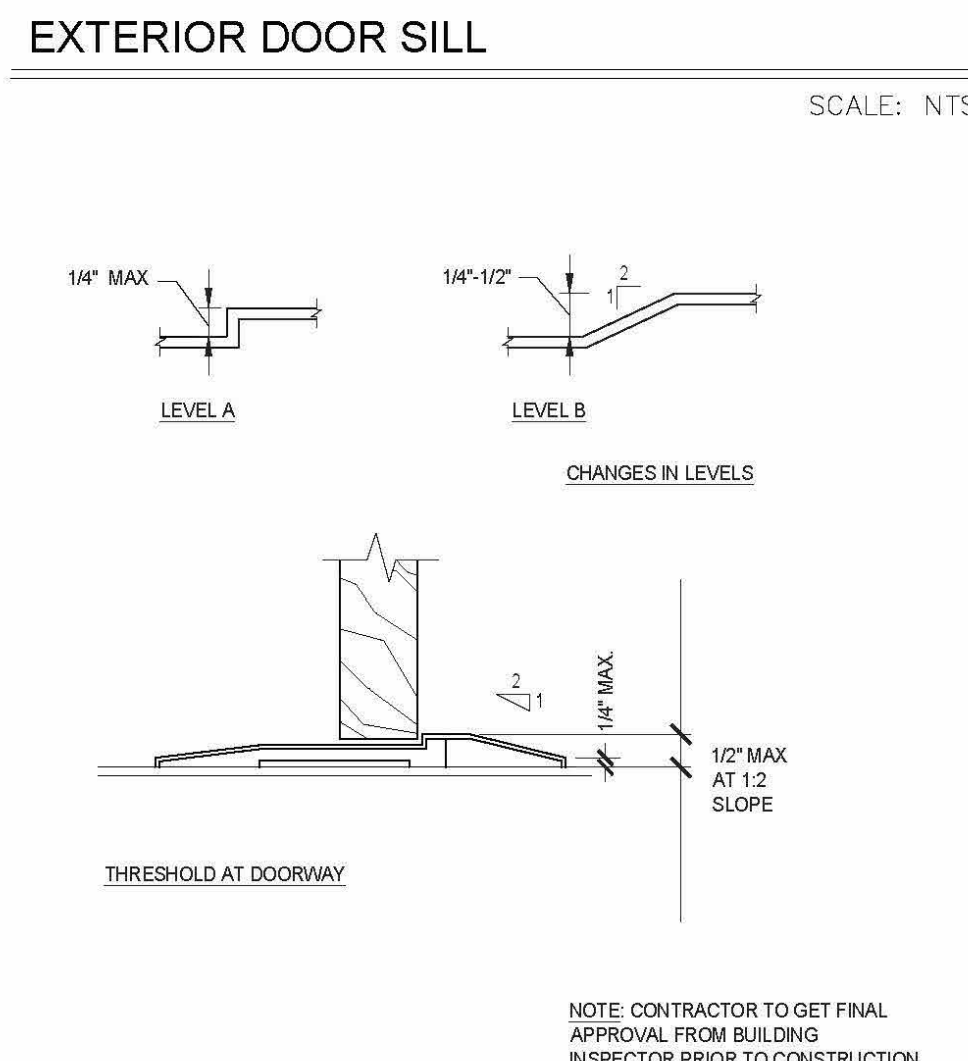
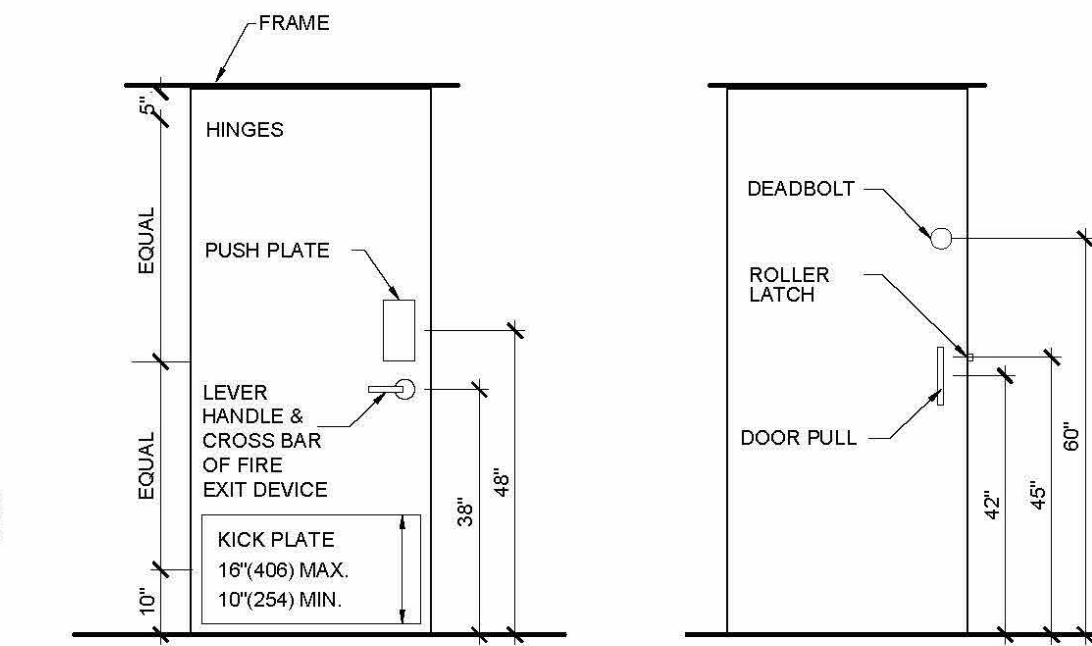
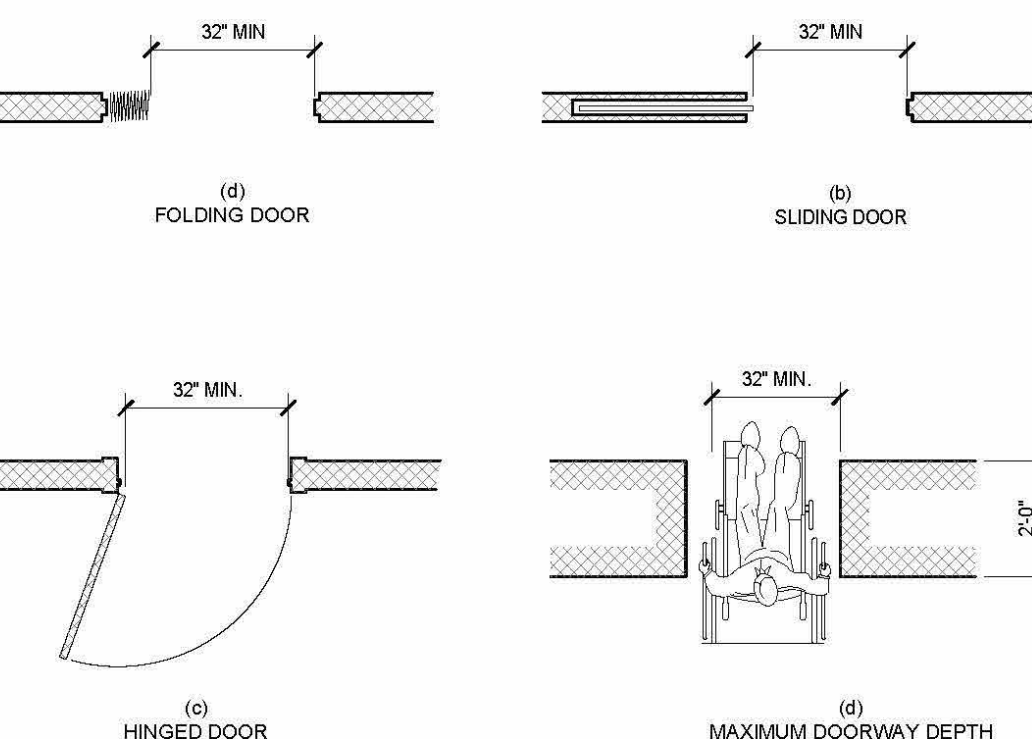
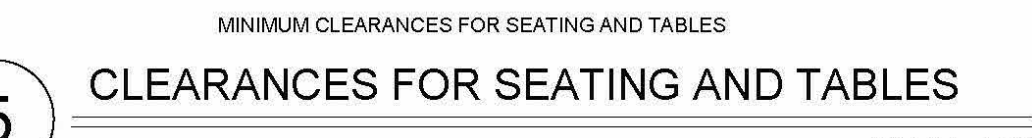
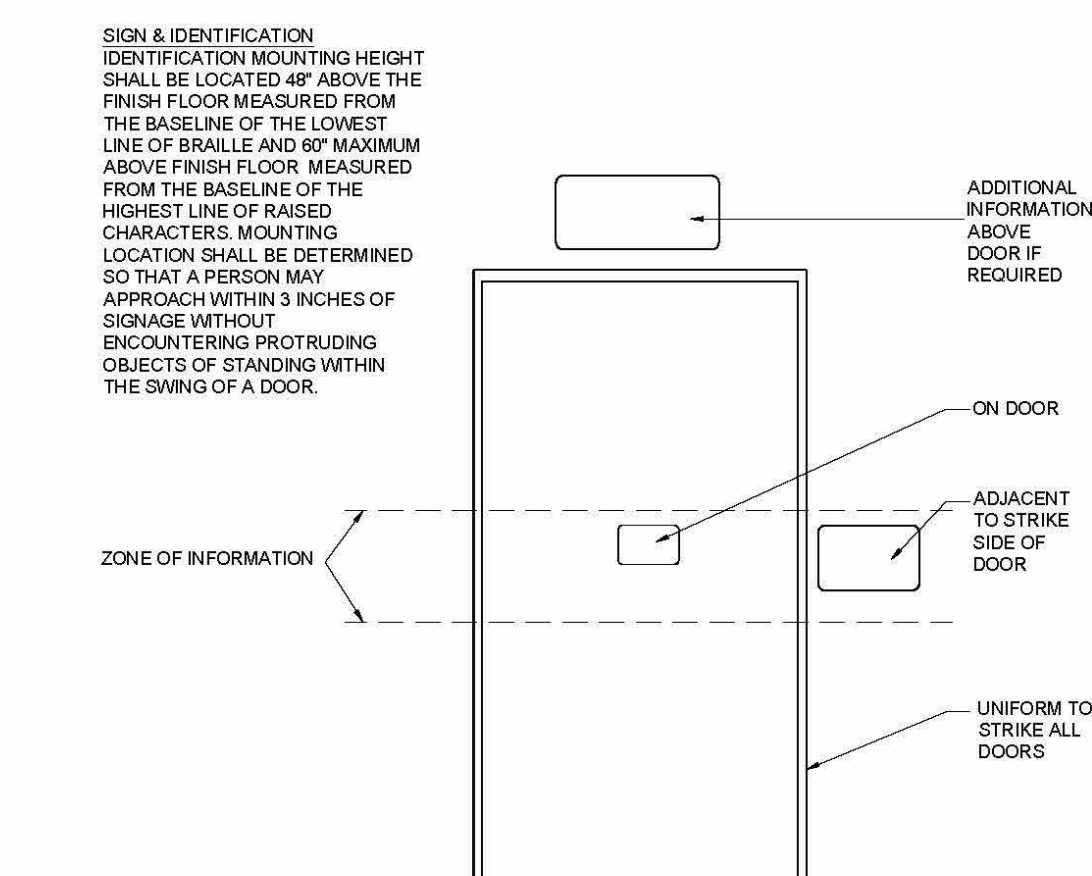
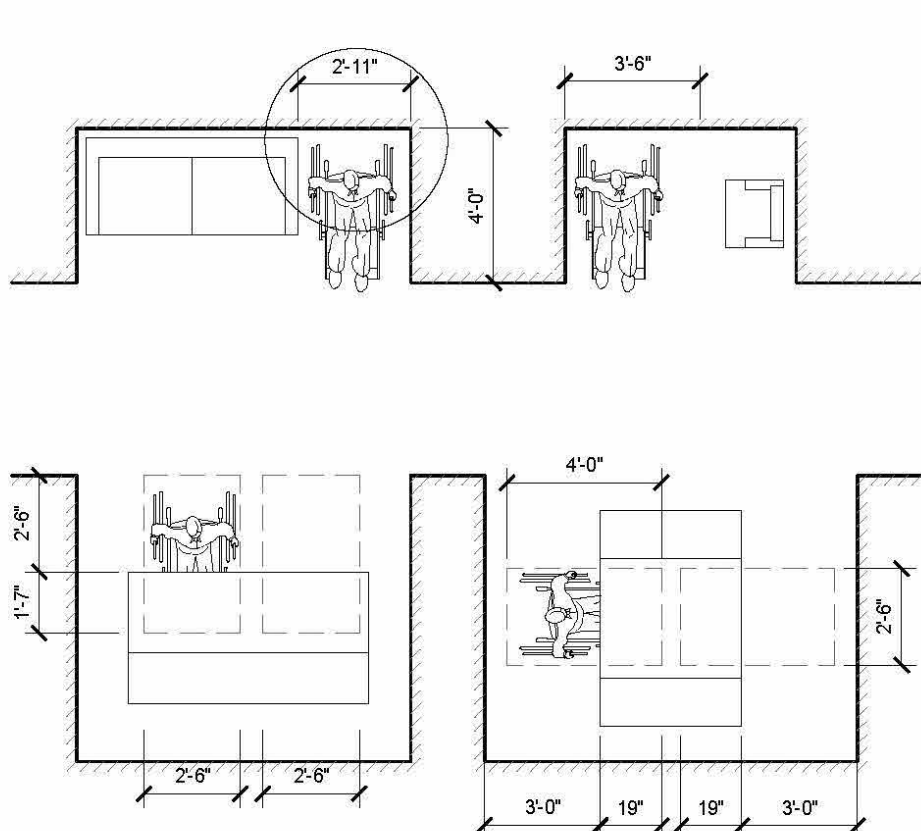
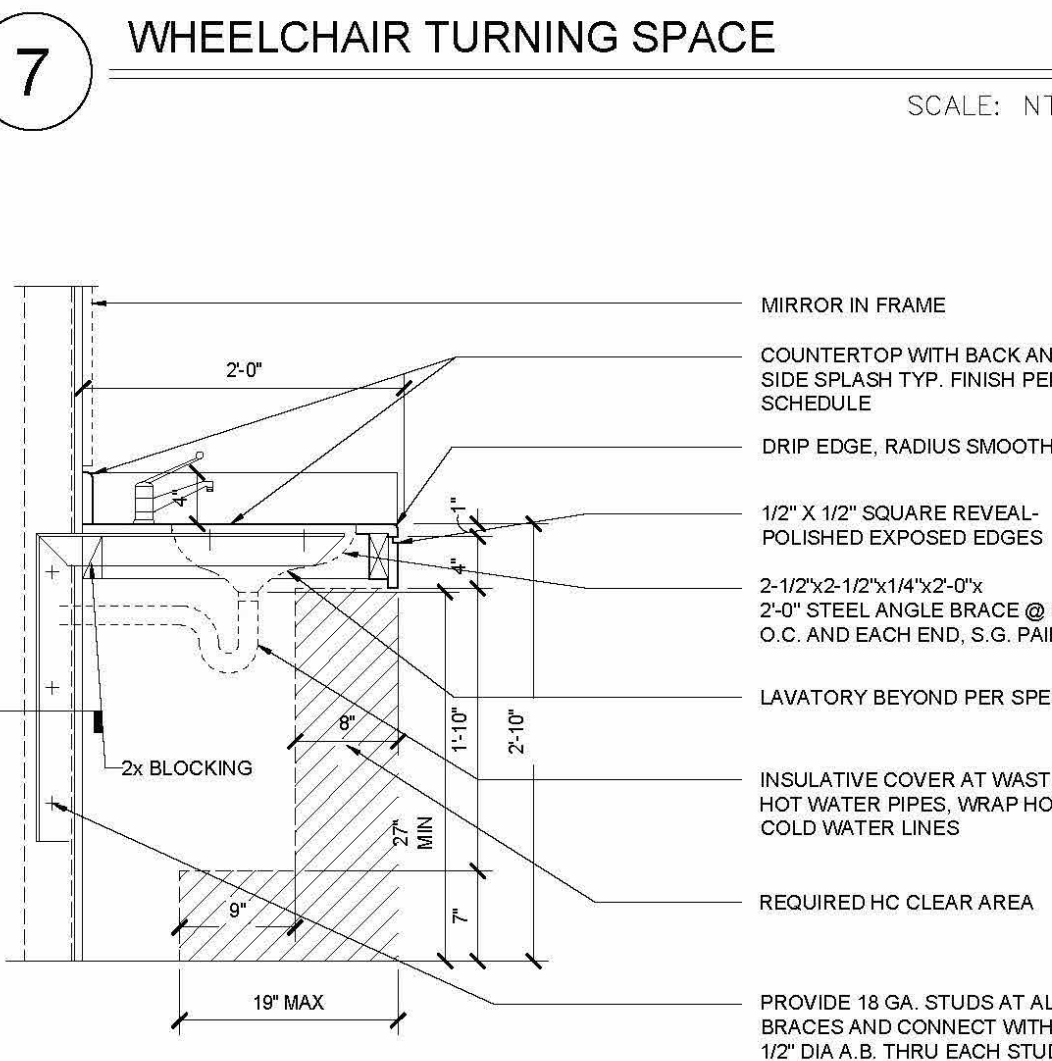
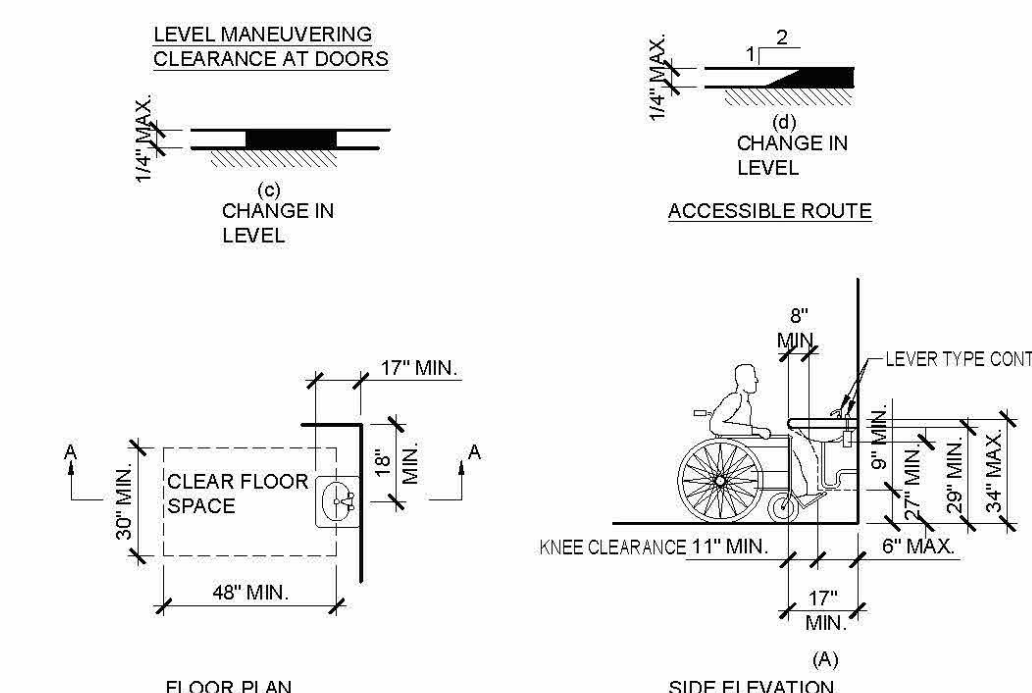
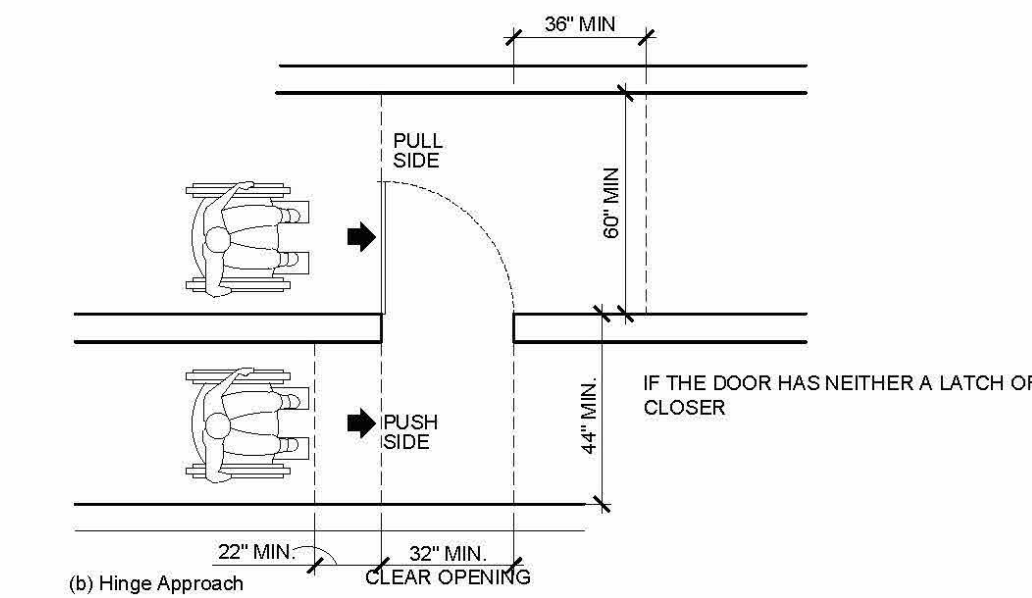
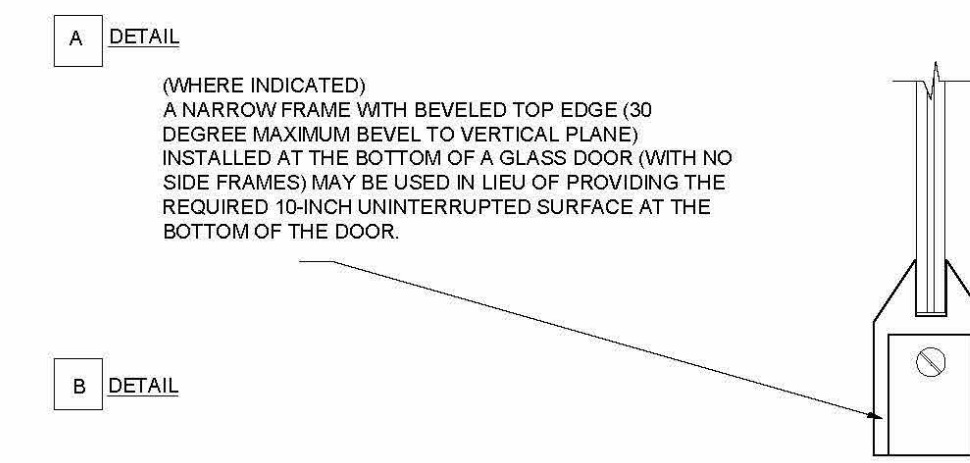
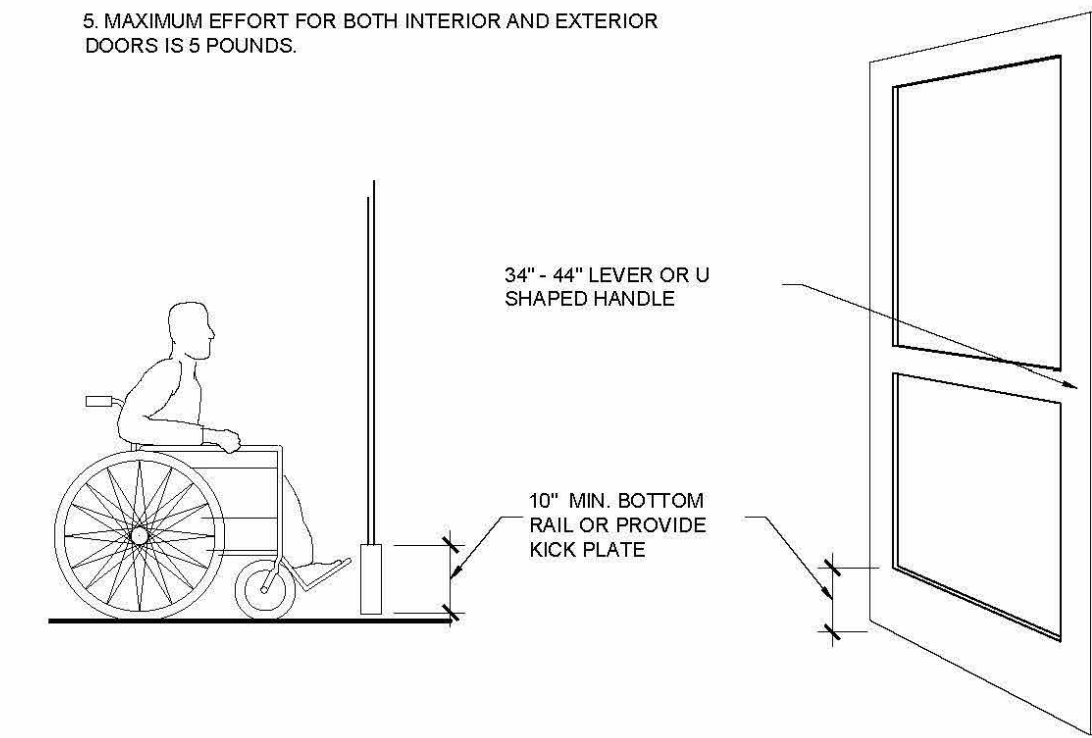
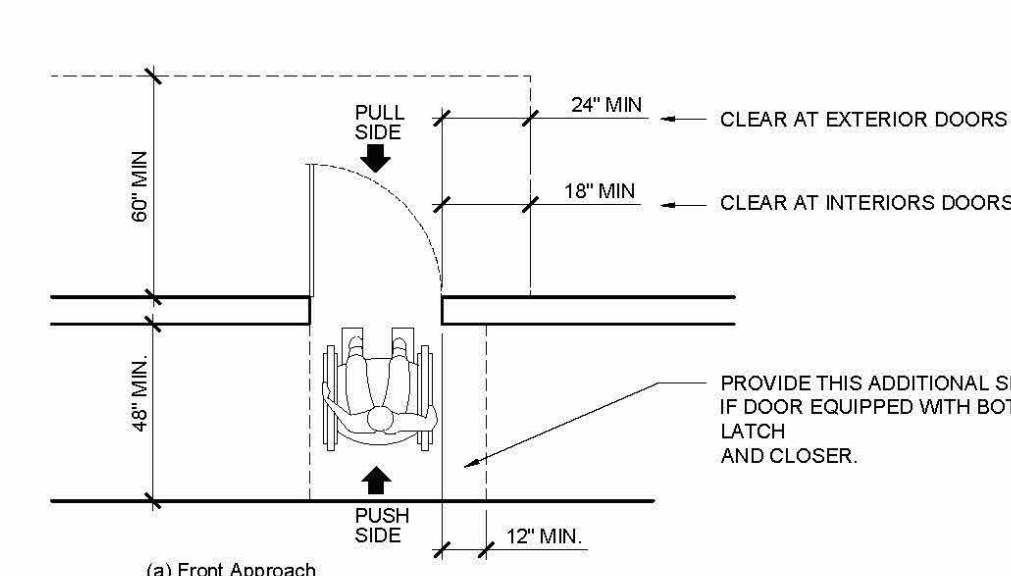
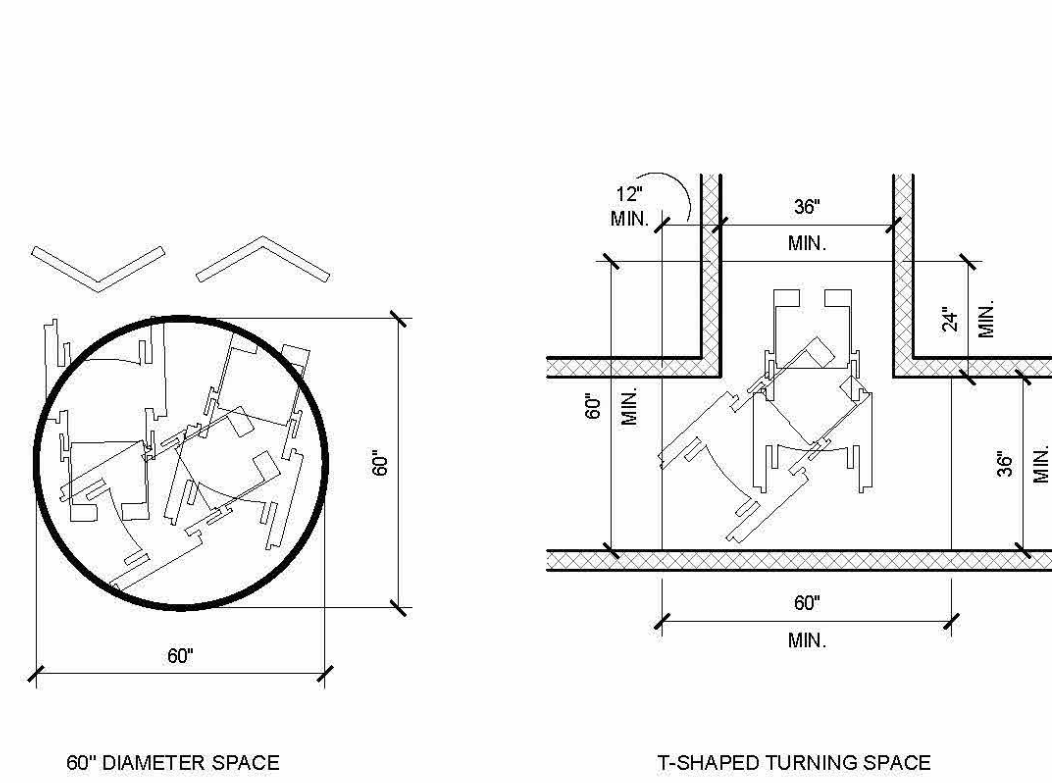


[illegible]













Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of UT.

PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED BY

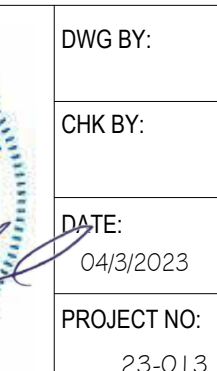
STANLEY LANCE HEAL, ARCHITECT.

LIC EXP DATE: 5/31/2024

## TENANT ALTERATION

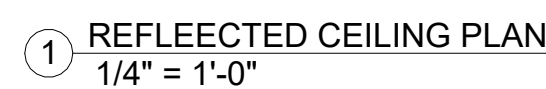


Client

[illegible]REFLECTED  
CEILING PLAN

## Al.2

CONTRACTOR/SUBCONTRACTOR TO VERIFY LOCATION OF MONITORS WITH OWNER AND SUPPLY AND INSTALL SOLID WOOD BLOCKING AS REQUIRED





---

- ② DETAIL AT NEW TRENCH  
3/4" = 1'-0"



LEGEND

 EXISTING WALLS TO REMAIN  
PATCH WERE REQUIRED

EXISTING WALLS TO BE REMOVED

 EXISTING DOOR TO BE REMOVED



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

2350 N 930 E  
PROVO, UT 84604  
lance@healdesigngroup.com

UT LIC # 8044421-0301  
LIC EXP DATE: 5/31/2024

## TENANT ALTERATION

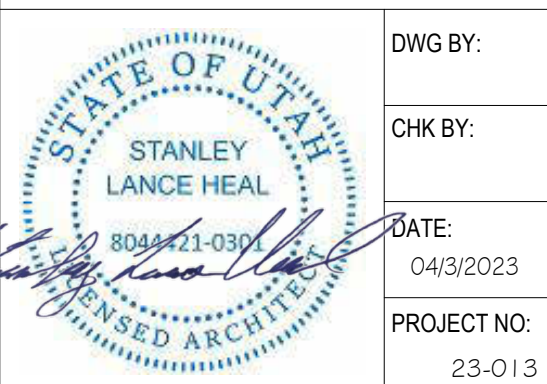


2300 N UNIVERSITY PKWY  
SUITE C  
PROVO, UT 84604

CORY DEVENNEY

[illegible]

EXISTING /  
DEMOLITION  
FLOOR PLAN



A1.0

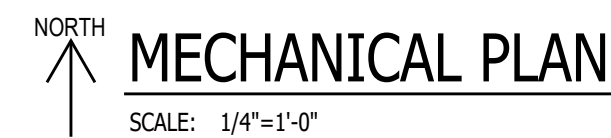






ABBREVIATIONS				LEGEND				DRAWING INDEX				GENERAL NOTES			
AC	ACCESS COVER AIR CONDITIONING	EWC	ELECTRIC WATER COOLER	RA	RETURN AIR		BARE SHEET METAL RECTANGULAR DUCT, 'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS. 'A' IS WIDTH OF DUCT IN VIEW SHOWN.		120° F. HOT WATER	SHEET NUMBER/DRAWING TITLE		A) THESE DRAWINGS WERE PREPARED USING THE 2018 IBC, 2018 IMC, 2018 IPC, 2018 IFGC, AND THE 2018 IECC.  B) ALL INSTALLATIONS SHALL BE PER THE 2018 IBC, 2018 IMC, 2018 IPC, 2018 IFGC, AND THE 2018 IECC.  C) THESE DRAWINGS ARE TO SHOW THE GENERAL CONCEPT OF THE SYSTEMS. FIELD VERIFY ALL LOCATIONS AND COORDINATE EXACT ROUTING WITH ALL TRADES.  D) REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES, LIGHTS, CEILING DIFFUSERS, AND FIRE SPRINKLERS.  E) ALL DUCT SIZES LISTED IN THESE DRAWINGS ARE INSIDE CLEAR DIMENSIONS UNLESS NOTED OTHERWISE.  F) SLOPE ALL HORIZONTAL SANITARY WASTE AND VENT PIPING A MINIMUM OF A 1/4" PER FOOT FOR 2 1/2" AND SMALLER, 1/8" PER FOOT FOR 3" TO 6", AND 1/16" FOR 8" AND LARGER.  G) SLOPE ALL HORIZONTAL ROOF DRAINAGE PIPING A MINIMUM OF A 1/8" PER FOOT UNLESS NOTED OTHERWISE.  H) ALL MATERIALS INSTALLED IN AN AREA ABOVE THE CEILING DESIGNATED AS A RETURN AIR PLENUM MUST BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.  J) ALL UNDERGROUND DUCT SHALL SLOPE TO ALLOW DRAINAGE TO A POINT PROVIDED WITH ACCESS.  K) PROVIDE CLEANOUTS EVERY 100 FEET ON HORIZONTAL WASTE LINES. EVERY CHANGE OF DIRECTION GREATER THAN 45°, AT THE BASE OF WASTE STACKS, AND NEAR THE POINT THE SEWER ENTERS THE BUILDING.  L) SEISMIC RESTRAINTS ARE REQUIRED PER 2018 IBC. ENGINEERING AND RESTRAINT SELECTION ARE THE RESPONSIBILITY OF THE MECHANICAL AND PLUMBING CONTRACTORS.  M) FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.  N) FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.  O) AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE OWNER OR OWNERS REPRESENTATIVE WITHIN 90 DAYS OF CERTIFICATION OF OCCUPANCY.  P) O&M MANUALS FOR THE PROJECT SHALL BE PROVIDED TO THE OWNER OR OWNERS REPRESENTATIVE WITHIN 90 DAYS OF CERTIFICATION OF OCCUPANCY AND INCLUDE THE FOLLOWING ITEMS: EQUIPMENT SUBMITTALS, MANUFACTURERS O&M'S, NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY, HVAC AND SERVICE HOT WATER CONTROLS MAINTENANCE AND CALIBRATION INFORMATION, AND A NARRATIVE OF HOW EACH PIECE OF EQUIPMENT IS TO OPERATE INCLUDING SETPOINTS.  Q) PROVIDE AIR AND WATER BALANCING REPORTS TO BUILDING INSPECTOR PRIOR TO FINAL INSPECTION.  R) PIPE EXPANSION JOINTS IN THE VERTICAL RISERS AND HORIZONTAL RUNS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. FOLLOW THE INSTALLATION RECOMMENDATIONS FOR EACH PIPE MANUFACTURE. EXPANSION JOINTS SHOWN IN THE DRAWINGS ARE MINIMUM REQUIREMENTS AND WILL VARY BASED ON ACTUAL PIPE ROUTING. IF DESIGN ASSISTANCE IS NEEDED PLEASE CONTACT JTB.			
AD	ACCESS DOOR AREA DRAIN	EWT	ENTERING WATER TEMPERATURE	RAG	RETURN AIR GRILLE		1" LINED SHEET METAL RECTANGULAR DUCT, OR 1" FIBERGLASS DUCT, SEE DRAWINGS FOR TYPE. 'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS. 'A' IS WIDTH OF DUCT IN VIEW SHOW.		140° F. HOT WATER						
AFF	ABOVE FINISHED FLOOR	EXT	EXISTING	RD	ROOF DRAIN		1 1/2" WRAPPED SHEET METAL RECTANGULAR DUCT, 'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS. 'A' IS WIDTH OF DUCT IN VIEW SHOW.		OXYGEN	MECHANICAL PLANS		PLUMBING PLANS			
AH	AIR HANDLING UNIT	F	FURNACE	RF	RELIEF AIR		BARE SHEET METAL ROUND MEDIUM OR LOW PRESSURE DUCT, A"Ø IS DIAMETER.		VACUUM	M001 TITLE SHEET LEGEND & ABBREVIATIONS		P201 PLUMBING PLANS			
AP	ACCESS PANEL	FB	FAN POWERED VAV BOX	RH	RELIEF HOOD RADIANT HEATER		1 1/2" WRAPPED ROUND MEDIUM OR LOW PRESSURE DUCT, A"Ø IS DIAMETER.		160° F. HOT WATER	M201 MECHANICAL PLAN		P701 PLUMBING DETAILS & SCHEDULES			
ATC	AUTOMATIC TEMPERATURE CONTROL	FC	FAN COIL UNIT	RI	ROUGH-IN		INSULATED ROUND FLEXIBLE DUCT, 5 FEET MAXIMUM.		BUTTERFLY VALVE	M701 MECHANICAL DETAILS & SCHEDULES					
AUTO	AUTOMATIC	FD	FLOOR DRAIN FIRE DAMPER	RP	RADIANT PANEL RECIRCULATION PUMP		DIRECTION OF AIRFLOW		BALL VALVE						
AV	AIR ADMITTANCE VALVE	FH	FIRE HYDRANT	RT	ROOFTOP UNIT		SUPPLY DUCT RISER		GATE VALVE	BUILDING UTILITY INFORMATION					
AW	AIR WASHER	FL	FILTER	RV	RELIEF VENT RELIEF VALVE		SUPPLY DUCT DROP		CHECK VALVE						
B	BOILER	FLR	FLOOR	REQD	REQUIRED		PLUG VALVE		PRV	UTILITY SIZING SCHEDULE					
BB	BASEBOARD	FOB	FLAT ON BOTTOM	SA	SUPPLY AIR		2-WAY AUTO VALVE		3-WAY AUTO VALVE						
BDD	BACKDRAFT DAMPER	FOS	FLAT ON SIDE	SC	SELF CONTAINED UNIT		THERMOMETER		UNION	NATGAS SIZING SCHEDULE					
BFP	BACKFLOW PREVENTOR	FOT	FLAT ON TOP	SD	STORM DRAIN		STRAINER		BALANCING VALVE						
BLD	BUILDING	FP	FIREPLACE	SEF	SMOKE EXHAUST FAN		RELIEF VALVE		BACKFLOW PREVENTER	TAG QTY EQUIPMENT INPUT BTU/HR EQUIPMENT INPUT CUBIC FEET/HR					
BOD	BOTTOM OF DUCT	FS	FLOOR SINK	SF	SUPPLY FAN		PIPE ANCHOR		DIRECTION OF FLOW						
BOU	BOTTOM OF UNIT	FSD	FIRE/SMOKE DAMPER	SP	STATIC PRESSURE		EXPANSION JOINT		FLEXIBLE CONNECTION	TOTAL EQUIPMENT INPUT - CUBIC FEET/HR					
BTU	BRITISH THERMAL UNIT	FU	FIXTURE UNIT	SS	SPECIFICATION		RELIEF VALVE		2 PSI						
BTUH	BRITISH THERMAL UNIT PER HOUR	GA	GAUGE	ST	SOUND TRAP		75'-0"		1"	TOTAL DRAINAGE FIXTURE UNITS 29					
CA	COMBUSTION AIR	GC	GENERAL CONTRACTOR	STD	STANDARD		1 1/4"	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CC	COOLING COIL	GI	GREASE INTERCEPTOR	TAG	TRANSFER AIR GRILLE		18					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CD	CONDENSATE DRAIN CONSTRUCTION DOCUMENT	GPM	GALLONS PER MINUTE	TOD	TOP OF DUCT		18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CFH	CUBIC FEET PER HOUR	GRD	GRADE	TW	THROUGH WALL UNIT		1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CFM	CUBIC FEET PER MINUTE	GT	GREASE TRAP	TYP	TYPICAL		18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CH	CHILLER	GW	GREASE WASTE	UH	UNIT HEATER		1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CHWR	CHILLED WATER RETURN	HB	HOSE BIBB	UR	URINAL		18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CHWS	CHILLED WATER SUPPLY	HDR	HEADER	VAV	VARIABLE AIR VOLUME		1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CI	CAST IRON	HE	HEAT EXCHANGER	VB	VACUUM BREAKER VAV BOX		18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CL	CENTER LINE	HP	HEAT PUMP	VTR	VENT THROUGH ROOF		1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CLG	CEILING	HTR	HEATER	W	WITH		18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CLR	CLEAR	HU	HUMIDIFIER	WA	WATER HAMMER ARRESTOR		1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CO	CLEAN OUT	HVAC	HEATING, VENTILATING & AIR CONDITIONING	WB	WET BULB		18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CONN	CONNECTION	HW	HOT WATER	WC	WATER CLOSET		1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CP	CIRCULATING PUMP	HWR	HOT WATER RETURN	WH	WATER HEATER		18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CR	CONDENSATE RETURN	HWS	HOT WATER SUPPLY				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CT	COOLING TOWER	IE	INVERT ELEVATION				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CU	CONDENSING UNIT COPPER	IH	INTAKE HOOD				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CW	COLD WATER	INSUL	INSULATION				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
CWR	CONDENSER WATER RETURN	L	LOUVER				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
CWS	CONDENSER WATER SUPPLY	LAT	LEAVING AIR TEMPERATURE				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
DA	DILUTION AIR	LAV	LAVATORY				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
DB	DRY BULB	LPG	LIQUEFIED PETROLEUM GAS				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
DCW	DOMESTIC COLD WATER	MAX	MAXIMUM				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
DF	DRINKING FOUNTAIN DUCT FURNACE DESTRATIFICATION FAN DOWN FLOW	MBH	THOUSAND BTU PER HOUR				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
DFU	DRAINAGE FIXTURE UNIT	MC	MECHANICAL CONTRACTOR				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
DH	DUCT HEATER	MD	MANUAL DAMPER				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
DHW	DOMESTIC HOT WATER	MECH	MECHANICAL				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
DIA	DIAMETER	MH	MANHOLE				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
DM	DAMPER	MIN	MINIMUM				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
DN	DOWN	MU	MAKE-UP AIR UNIT				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
DWG	DRAWING	NATGAS	NATURAL GAS				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
EA	EXHAUST AIR	NIC	NOT IN CONTRACT				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
EAT	ENTERING AIR TEMPERATURE	NTS	NOT TO SCALE				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
EC	ELECTRICAL CONTRACTOR EVAPORATIVE COOLER	OA	OUTSIDE AIR				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
EF	EXHAUST FAN	OC	ON CENTER				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
EH	ELECTRIC HEATER EXHAUST HOSE	OCEW	ON CENTER EACH WAY				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
EL	ELEVATION	ORD	OVERFLOW ROOF DRAIN				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
EQ	EQUIPMENT	P	PUMP				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
ESP	EXTERNAL STATIC PRESSURE	PH	PENT HOUSE				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
EW	EMERGENCY EYE WASH	PRV	PRESSURE REDUCING VALVE				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
		P&TV	PRESSURE & TEMPERATURE RELIEF VALVE				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
		PSI	POUNDS PER SQUARE INCH				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
		PVC	POLYVINYL CHLORIDE				1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
		QD	QUICK DISCONNECT				18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
							1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
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							1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			
							18	TOTAL DOMESTIC WATER FIXTURE UNITS 17.5							
							1 1/4"					TOTAL DOMESTIC WATER FIXTURE UNITS 17.5			





- 1 EXHAUST DUCT UP THRU ROOF. TERMINATE WITH ROOF CAP. MAINTAIN 10'-0" FROM O.A. INTAKE.
- 2 COMBUSTION & FLUE FROM WATER HEATER UP THRU ROOF PROVIDE CONCENTRIC VENT KIT. MAINTAIN 10'-0" FROM O.A. INTAKE.
- 3 EXISTING RTU, VERIFY EXACT LOCATION & CAPACITY.
- 4 CONNECT TO EXISTING SUPPLY & RETURN DROPS.



REV.	DATE	DESCRIPTION
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PROVO

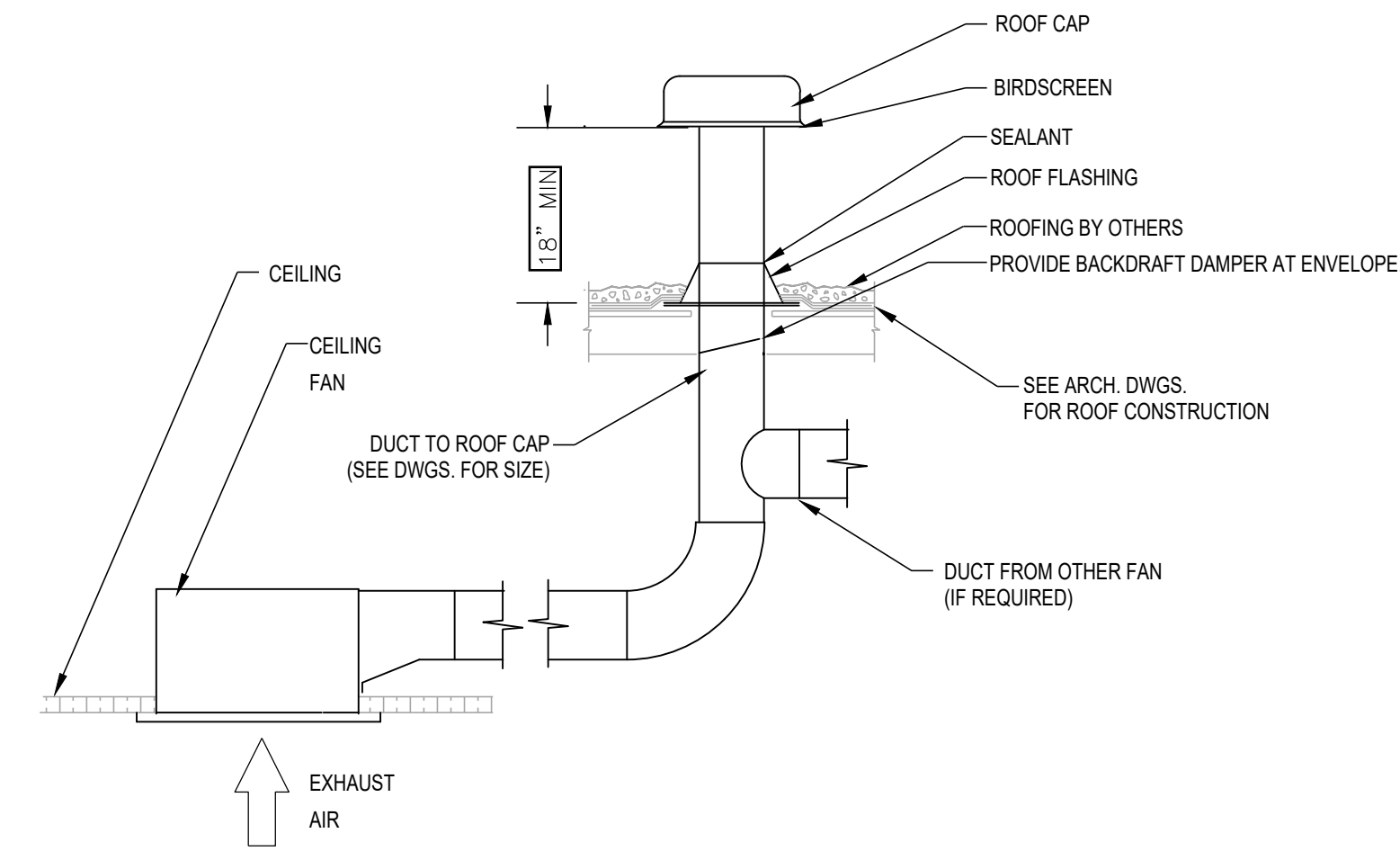
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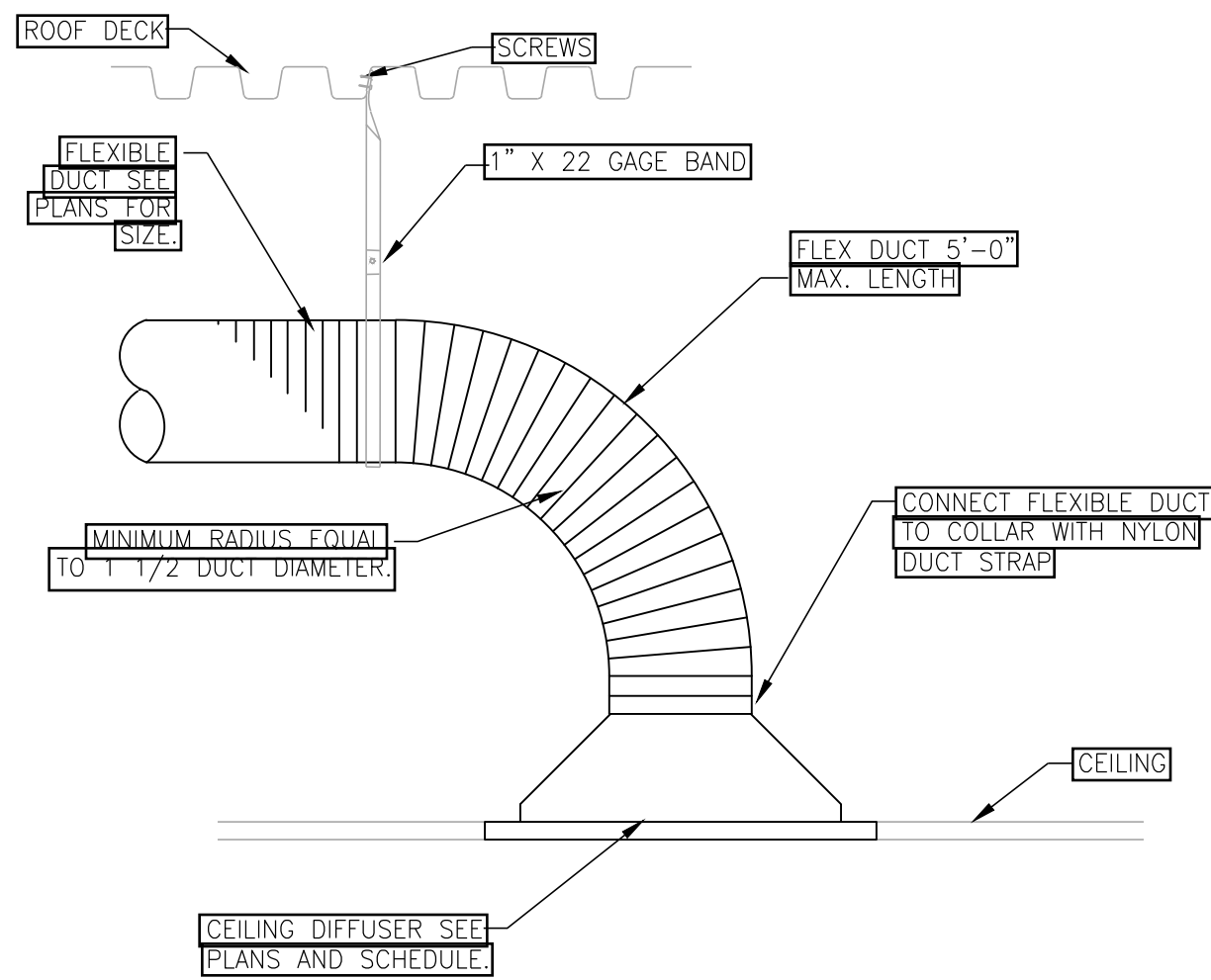
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PLAN

JOB NO.:	23.055	SHEET NUMBER  <b>M201</b>
DATE:	03/29/2023	
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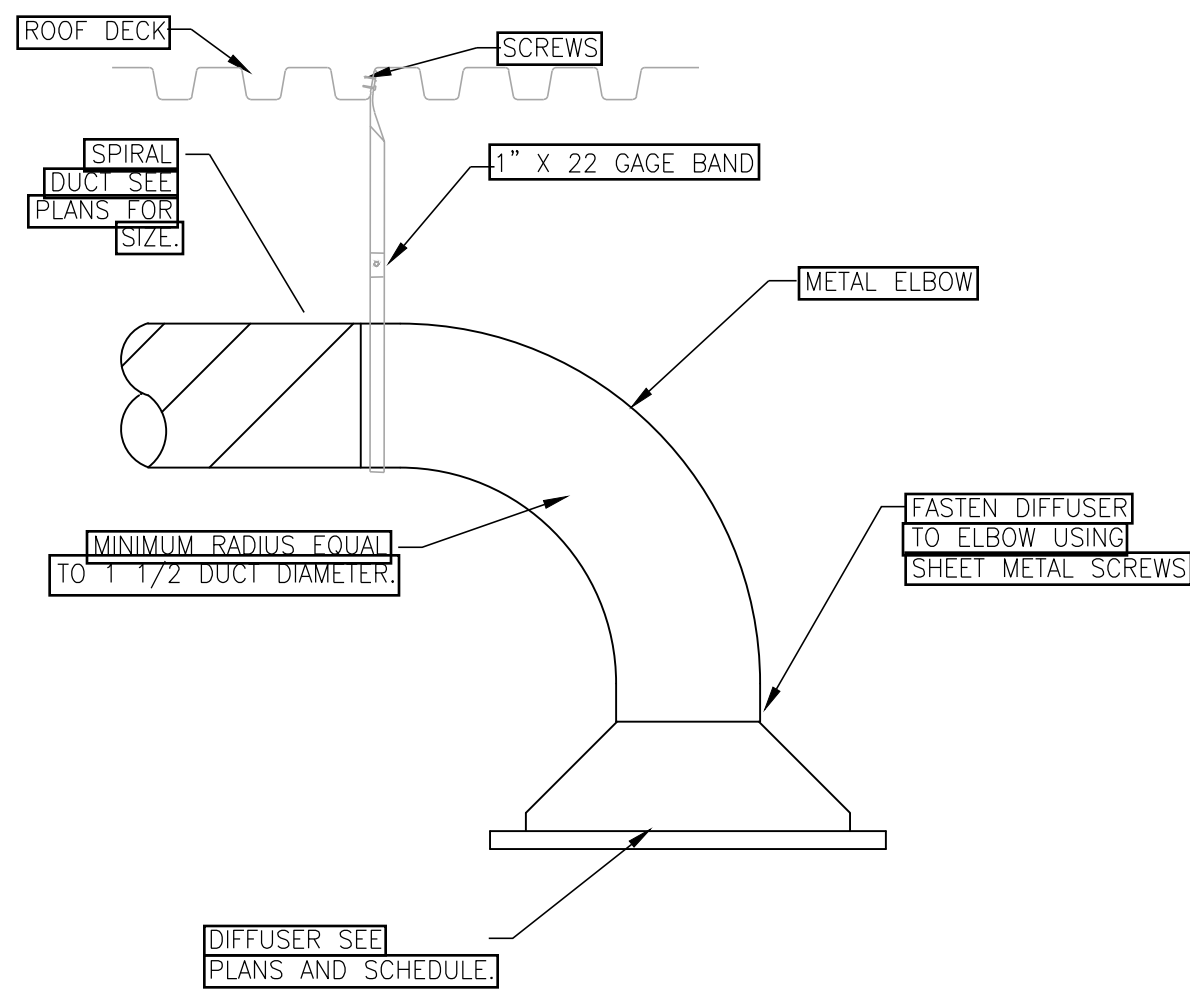




**A** RESTROOM EXHAUST FAN DETAIL  
NTS



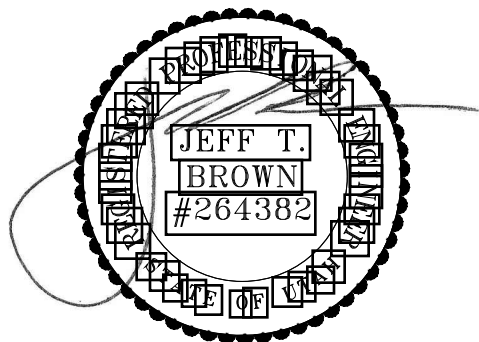
**B** CEILING MOUNTED DIFFUSER DETAIL  
NTS



**C** DUCT MOUNTED DIFFUSER DETAIL  
NTS

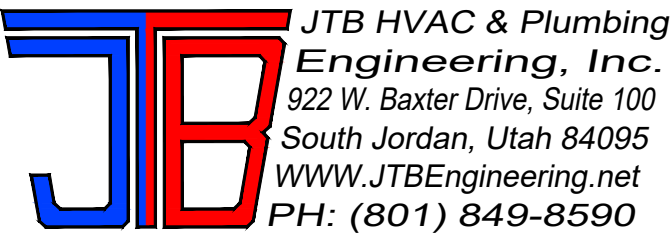
REGISTER, GRILLE, AND DIFFUSER SCHEDULE											
TAG	RGD MOUNTING LOCATION RGD USE	RGD BORDER SIZE INCHES	RGD NECK SIZE INCHES	RGD FACE STYLE	CEILING TYPE	RGD AIR PATTERN	RGD CONNECTION SIZE INCHES	RGD FINISH COLOR	OPTIONS AND ACCESSORIES		RGD MANUFACTURER MODEL NUMBER
1 -	CEILING MOUNTED SUPPLY AIR	24x24	10"Ø	LOUVER	T- BAR	4 WAY	10"Ø	WHITE	-	-	KRUEGER 1400
2 -	CEILING MOUNTED SUPPLY AIR	19"Ø	10Ø	ROUND	DUCT MOUNT	360°	120Ø	WHITE	-	-	KRUEGER RM1/5RM1
3 -	CEILING MOUNTED RETURN/TRANSFER AIR	24x24	-	PERF.	T- BAR	-	-	WHITE	INSULATED PLENUM		KRUEGER 6790
4 -	CEILING MOUNTED SUPPLY AIR	24x24	6"Ø	LOUVER	T- BAR	4 WAY	6"Ø	WHITE	-	-	KRUEGER 1400

EXHAUST FAN SCHEDULE												
TAG	EXHAUST FAN LOCATION AREA SERVED	FAN				ELECTRICAL				FAN OPER. WEIGHT LBS.	OPTIONS AND ACCESSORIES	EXHAUST FAN MANUFACTURER MODEL NUMBER
		CFM @ ALT.	ESP. INCHES W.C.	FAN WHEEL RPM	SONES/ DB	POWER V/PH/Hz	HP	MOTOR RPM	DISCON- NECT/ STARTER			
EF 1	CEILING MOUNT RESTROOM	75	.13	-	-	120/1/60	87W	-	BY EC N/A	-	SPEED CONTROLLER ON WITH LIGHTS	BROAN L100
EF 2	CEILING MOUNT OVENS	200	1.13	-	-	120/1/60	127W	-	BY EC N/A	-	SPEED CONTROLLER SWITCH ON WALL	BROAN L200



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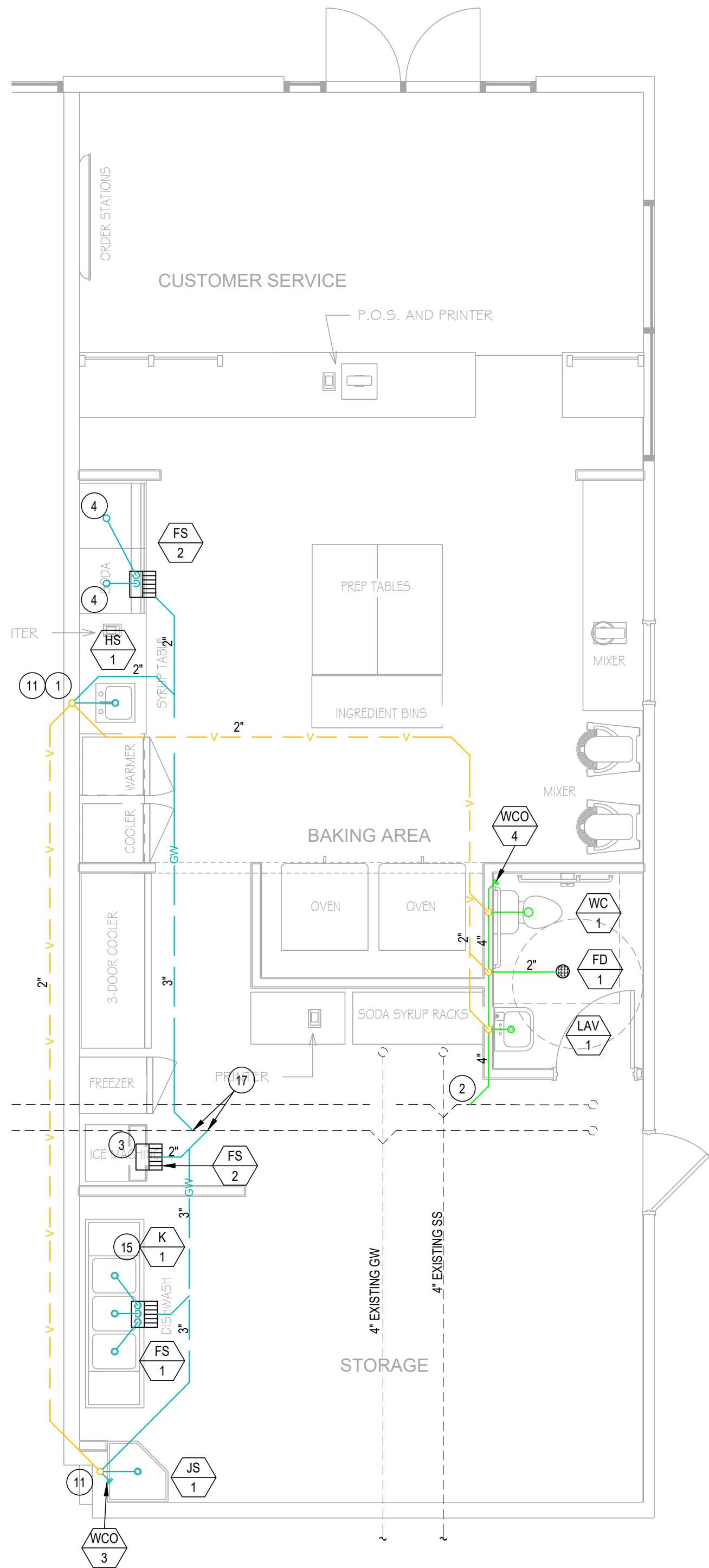
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PROVO**  
ADDRESS  
2300 N UNIVERSITY PKWY  
PROVO, UT 84604

DRAWING TITLE:  
**MECHANICAL  
DETAILS & SCHEDULES**

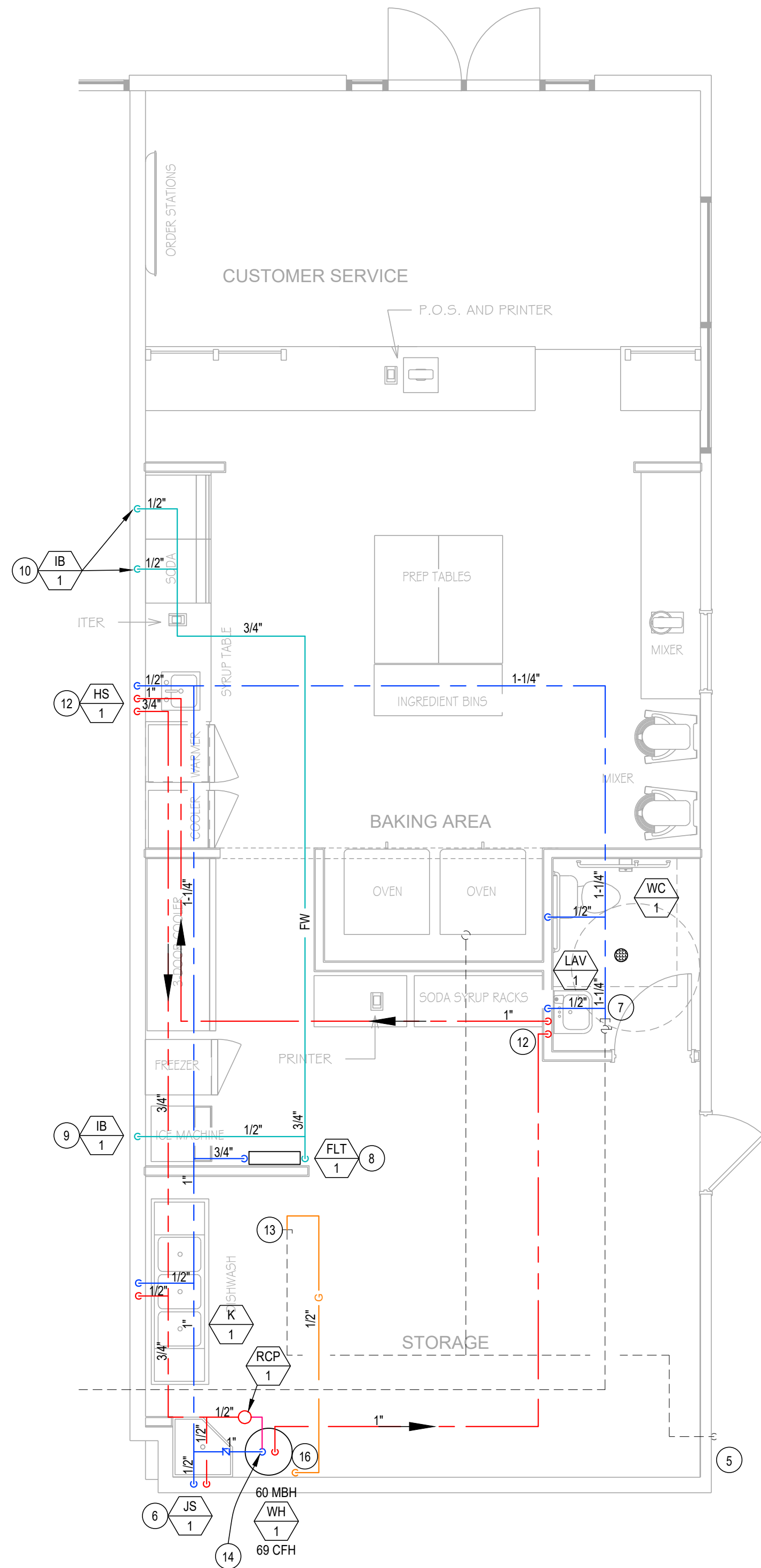
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DATE:	03/29/2023	<b>M701</b>
DRAWN BY:	JH/CD	
SCALE:	NTS	



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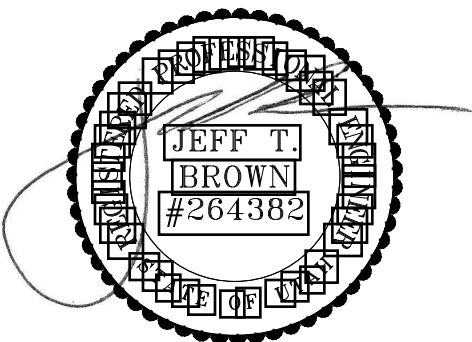
NORTH  
WASTE & VENT PLUMBING PLAN  
SCALE: 1/4"=1'-0"



NORTH  
WATER & NATGAS PLUMBING PLAN  
SCALE: 1/4"=1'-0"

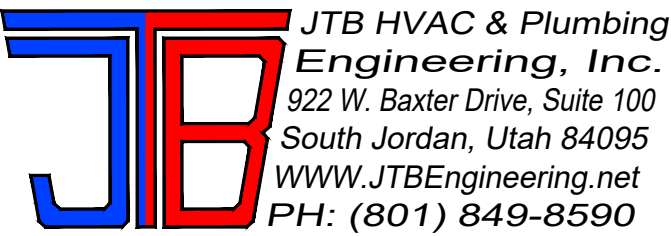
KEYED NOTES

- 1 VENT THRU ROOF, MAINTAIN 10'-0" FROM O.A. INTAKE.
- 2 CONNECT TO EXISTING SS IN THIS AREA VERIFY EXACT LOCATION IN FIELD.
- 3 DRAIN FROM ICE MAKER, DRAIN TO FLOOR SINK WITH 1" AIR GAP MIN.
- 4 DRAIN FROM SODA DISPENSER, DRAIN TO FLOOR SINK WITH 1" AIR GAP MIN.
- 5 FROM EXISTING GAS METER, VERIFY IT CAN PROVIDE 250 CFH @ 2 PSI. UPGRADE IF NEEDED.
- 6 1/2" DCW & 1/2" DHW FROM HOT WATER LOOP TO JANITOR SINK.
- 7 CONNECT TO EXISTING 1-1/4" DCW.
- 8 CONNECT TO WATER FILTER (3M DP190) OR SIMILAR. VERIFY LOCATION FOR WATER FILTER WITH OWNER BEFORE INSTALLING.
- 9 1/2" FILTERED DCW DROP DOWN WALL TO ICE MAKER. PROVIDE BOX IN WALL WITH SHUTOFF VALVE.
- 10 1/2" FILTERED DCW DROP DOWN WALL TO SODA MACHINE. PROVIDE BOX IN WALL WITH SHUTOFF VALVE.
- 11 VENT FOR COMBINATION WASTE/VENT.
- 12 1/2" DCW & 1/2" DHW FROM HOT WATER LOOP TO LAV. FULL SIZED DHW DOWN & UP, BRANCH WITHIN 2'-0" OF FIXTURE.
- 13 CONNECT TO EXISTING 2 LB. LAND LORD PROVIDED GAS LINE IN THIS AREA, VERIFY EXACT LOCATION.
- 14 1" DCW DOWN TO WATER HEATER.
- 15 PLUMBING FIXTURE BY KITCHEN CONSULTANT. SEE KITCHEN EQUIPMENT FOR SPECS. COORDINATE WITH ENGINEER FOR ANY QUESTIONS. ROUTE RAIN FROM EACH COMPARTMENT TO FLOOR SINK, SEE DETAIL.
- 16 1/2" NATURAL GAS DOWN TO WH. PROVIDE FULL PORT SHUTOFF VALVE & FLEX.
- 17 CONNECT TO EXISTING GREASE WASTE IN THIS AREA, VERIFY IN FIELD EXACT LOCATION.



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PLANS**

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## WALL CLEAN-OUT

## ④ CLEANOUT DETAILS

NTS



NTS NT



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












FOR SI: 1 GALLON = 3.785 L, 1 GALLON PER MINUTE = 3.785 L/M, 1 POUND PER SQUARE  
1 POUND PER SQUARE INCH = 6.895 kPa.  
\* A HAND-HELD SHOWER SPRAY IS A SHOWER HEAD.

## MAXIMUM FLOW RATES & CONSUMPTION FOR PLUMBING FIXTURES & FIXTURES FITTINGS

ENTS



NTS

TAG	FIXTURE TYPE MOUNTING LOCATION	FIXTURE ROUGH-IN SIZES inches					FINISH COLOR	ACCESSORIES AND COMMENTS	FIXTURE MANUFACTURER MODEL NUMBER	
		DOMESTIC WATER		WASTE & VENT						
		COLD	HOT	TRAP	VENT	WASTE				
 FD 1	FLOOR DRAIN -	-	-	2"	2"	2"	PVC	ROUND NICKEL BRONZE STRAINER SIOUX CHIEF TRAP PROTECTION (835-2)	SIOUX CHIEF FINISHLINE 832-25PMRE	
 WC 1	WATER CLOSET-ADA WALL MOUNT-VALVE	1"	-	-	2"	4"	WHITE	SLOAN REGAL FLUSH VALVE (111-XL) BEMIS WHITE SEAT (1955C)	LEFT TRIP ARM J.R. SMITH CARRIER (0230Y OR DY)	KOHLER K-4325-0
 LAV 1	LAVATORY-ADA WALL MOUNT	1/2"	1/2"	1-1/4"	2"	2"	WHITE	INSULATED P-TRAP COVER PROFLO 1 1/4" SS GRID STRAINER AND P-TRAP	SIOUX CHIEF OXBOX (696-G2011XF), WATTS LFUSG-B MIXING VALVE MOEN FAUCET (8800 CHROME)	KOHLER K-2005
 FS 1	FLOOR SINK -	-	-	3"	2"	3"	PVC	PVC HALF TOP GRATE STAINLESS STEEL DOME STRAINER	12"x12" -	SIOUX CHIEF 861-3P2ZW
 FS 2	FLOOR SINK -	-	-	2"	2"	2"	PVC	PVC HALF TOP GRATE STAINLESS STEEL DOME STRAINER	12"x12" -	SIOUX CHIEF 861-2P2ZW
 K 1	KITCHEN SINK 3-COMPARTMENT	1/2"	1/2	-	-	IND	SS	- -	- -	PROVIDED BY OWNER -
 HS 1	HAND SINK COUNTER MOUNT	1/2"	1/2"	1 1/4	2"	2"	SS	INSULATED P-TRAP COVER PROFLO 1 1/4" SS GRID STRAINER AND P-TRAP	REMOVABLE DRAIN BASKET GOOSENECK FAUCET (INCLUDED)	ADVANCED TABCO DI-1-25
 IB 1	ICE MAKER BOX -	1/2"	1/2"	-	-	-	WHITE	- -	1/4 TURN VALVE 39136	OATEY 39136
 FLT 1	WATER FILTER -	1/2	-	-	-	-	-	- -	5 GPM 2 MICRON	3M PURIFICATION DP190
 WH 1	WATER HEATER NATURAL GAS (POWERED VENT)	3/4"	3/4"	-	-	-	-	60,000 BTU/HR, 0.68ENERGY FACTOR 48 GALLON TANK, THERM-X-TROL EXPANSION TANK (ST-12)	T&P RELIEF VALVE HEAT TRAPS	BRADFORD WHITE LG2PVS0H603N
 RP 1	HOT WATER RECIR. PUMP ABOVE CEILING	-	3/4"	-	-	-	-	ELECTRICAL - 115V / 10 / 60 (1/25 HP, 0.7 AMPS) - HARDWIRED 2 APM @ 10 FEET OF HEAD, AUTO SHUT OFF AND TIMER	FLANGED CONNECTION SUPPLY COMPANION FLANGES	ARMSTRONG ASTRO 230SS
 WCO -	WALL CLEANOUT NUMBER IS SIZE	-	-	-	-	-	VARIES	PROVIDE COVER AND SCREW -	-	JAY R. SMITH 4472T
 FCO -	FLOOR CLEANOUT NUMBER IS SIZE	-	-	-	-	-	VARIES	GASKET SEAL BRONZE PLUG	-	JAY R. SMITH 4101S
JS 1	JANITOR SINK FLOOR MOUNT	1/2"	1/2"	3"	2"	3"	WHITE	FIAT FAUCET (830-AA) FIAT HOSE AND BRACKET (832-AA)	FIAT MOP BRACKET (889-CC)	FIAT MSB-2424



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NTS NTS



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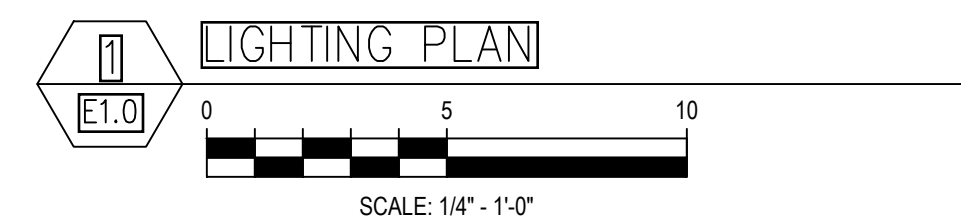
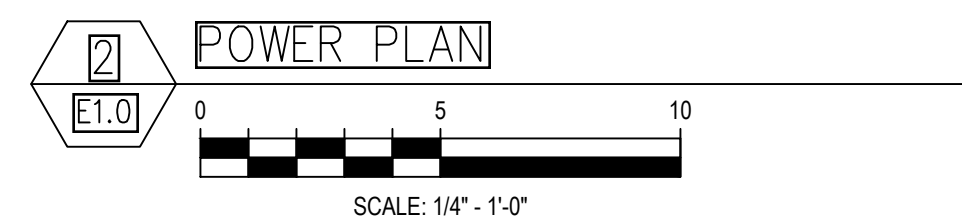
**PLUMBING  
DETAILS & SCHEDULES**

JOB NO.:	23.055	SHEET NUMBER
DATE:	03/29/2023	P701
DRAWN BY:	JH/CD	
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- 
- 2350 N 930 E  
PROVO, UT 84604
- lance@healdesigngroup.com
- Professional Certification. I certify that these documents were prepared at, approved by me, and that I am a duly Licensed Architect under the laws of the State of UT.
- PLEASE BE ADVISED: THESE DOCUMENTS ARE NOT VALID FOR CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED BY
- STANLEY LANCE HEAL, ARCHITECT.
- UT LIC # 80444221-0301
- LIC EXP DATE: 5/31/2024

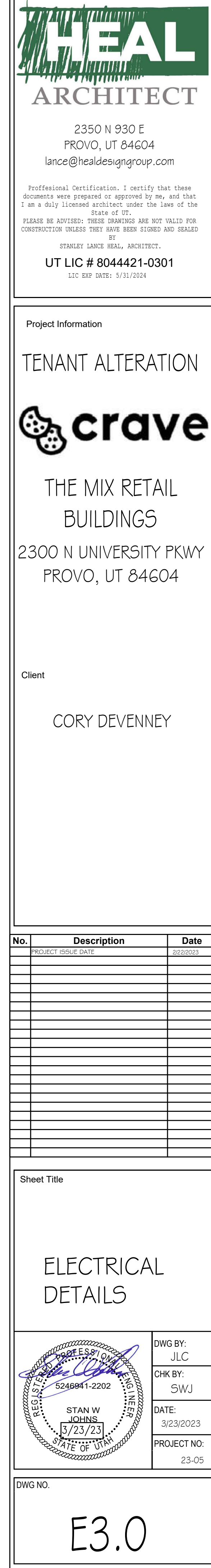
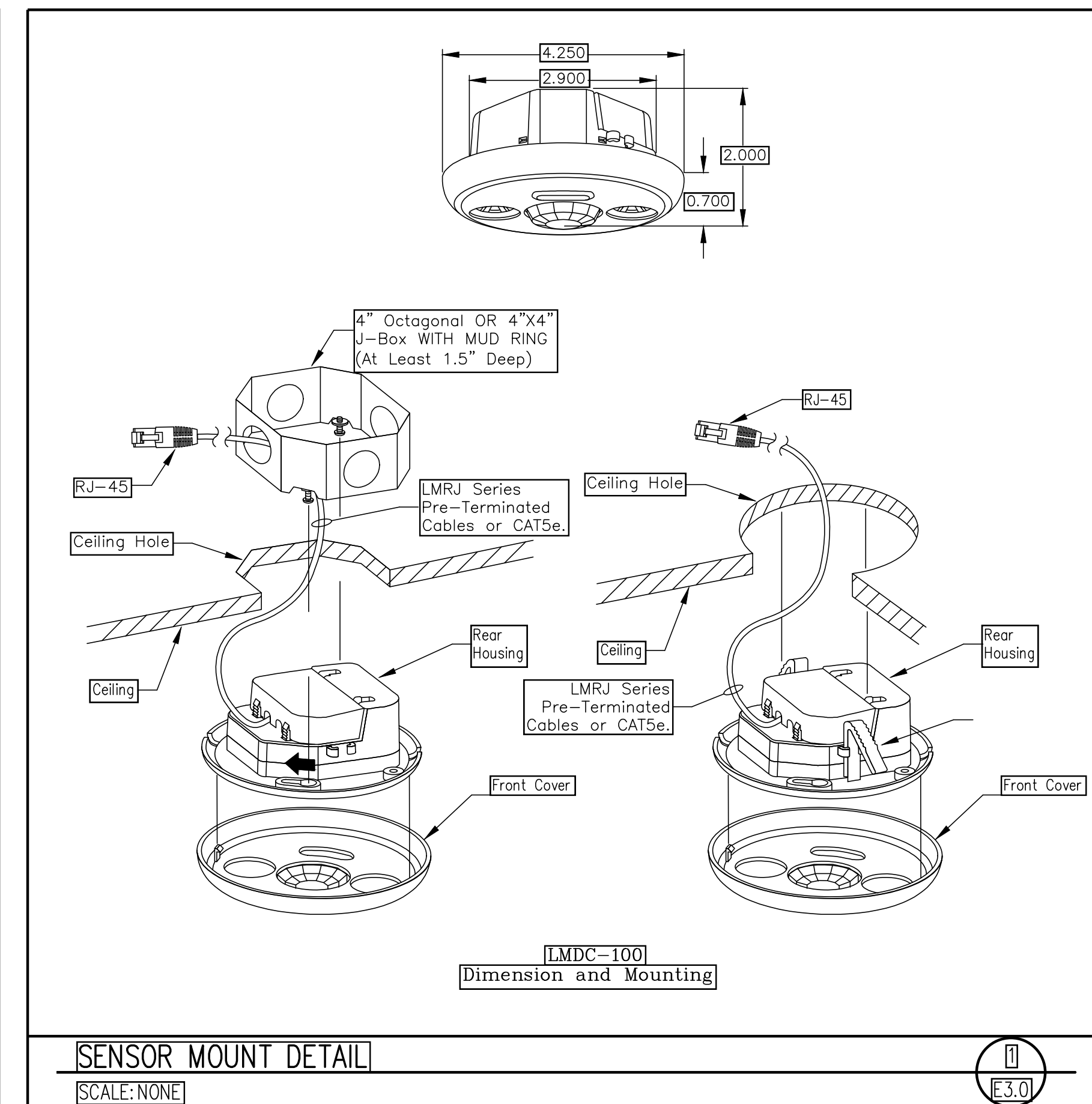
CORY DEVENNEY

E1.0



LV			VOLTAGE				MOUNTING				FEED				MAINS				DIMS.				SPECIAL EQUIPMENT			
PANEL			208 / 120												225 AMP				20" W				X GROUND BUS			
TYPE			PHASE				FLUSH				X TOP				X LUGS				5.75" D				SUB-FEED BRKR			
SEE DRAWINGS/FIELD CONFIRM			3 WIRES 4																NEMA 3R							
LOCATION			AIC				X SURFACE				BOTTOM				BREAKER				SURGE PROTECTOR							
			22,000 AMPS																							







## ELECTRICAL SPECIFICATIONS

## PART 1 – GENERAL

A.	DESCRIPTION
----	-------------

1. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AS DEFINED BY THESE DRAWINGS AND APPLICABLE CODES.
2. RULES AND REGULATIONS
1. ALL WORK AND MATERIALS SHALL BE INSTALLED AS SHOWN AND HEREIN SPECIFIED.
2. THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, STANDARDS, AND AMENDMENTS, ADOPTED BY THE AUTHORITY HAVING JURISDICTION, SHALL FORM A PART OF THIS SPECIFICATION THE SAME AS IF HEREIN WRITTEN OUT IN FULL (ALL MATERIALS AND INSTALLATIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS THEREOF):
1. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION), PUBLICATION NUMBER 70, "NATIONAL ELECTRICAL CODE", PUB. NO. 72E, "AUTOMATIC FIRE DETECTORS".
2. ILL. UNDERWRITERS LABORATORIES, INC.
3. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION).
4. UBC (UNIFORM BUILDING CODE) AND STANDARD BUILDING CODE.
5. IBC (INTERNATIONAL BUILDING CODE).
6. IFC (INTERNATIONAL FIRE CODE).
7. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION).
8. IEC (INTERNATIONAL ELECTRICAL CODE).
9. STATE AND LOCAL BUILDING AUTHORITY AND CODES.
3. NO REQUIREMENT TO THESE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUCTED TO VIOLATE ANY OF THE PROVISIONS OF THE ABOVE SPECIFICATIONS AND STANDARDS.

**C. PERMITS AND INSPECTIONS UNIT**

- |           |  |
|-----------|--|
|           | FOR AND SCHEDULE ALL APPLICABLE PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY AND ALL PUBLIC AUTHORITIES HAVING JURISDICTION AND REQUIRING INSPECTION AND THE OWNER.   |
| <b>0.</b> | <b>WORKMANSHIP AND MATERIALS</b>   |
| <b>1.</b> | WORKMANSHIP SHALL BE OF THE BEST QUALITY AND NONE BUT COMPETENT PERSONNEL SKILLED IN THEIR TRADE SHALL BE EMPLOYED. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED SUPERINTENDENT, WHO WILL BE IN CHARGE OF THE EXECUTION OF THE WORK UNTIL THE WORK IS COMPLETED.    |
| <b>2.</b> | UNLESS OTHERWISE HEREIN AFTER SPECIFIED, ALL MATERIALS AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE NEW, OF BEST GRADE AND AS LISTED IN PRINTED CATALOGS OF THE MANUFACTURER. EACH ARTICLE OF ITS KIND SHALL BE THE STANDARD PRODUCT OF A SINGLE MANUFACTURER. |
| <b>3.</b> | THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT TO ACCEPT OR REJECT MATERIAL EQUIPMENT AND/OR WORKMANSHIP AND DETERMINE WHEN THEY HAVE COMPLIED WITH THE REQUIREMENTS HEREIN SPECIFIED.  |
| <b>4.</b> | ALL MANUFACTURER'S MARKS SHALL BE CLEARLY MARKED OR STAMPED WITH THE MANUFACTURER'S NAME AND RATING.   |
| <b>5.</b> | REFERENCE TO STANDARDS ARE INTENDED TO BE THE LATEST REVISION OF THE STANDARD SPECIFIED, OR THAT ACCEPTED BY THE AUTHORITY HAVING JURISDICTION.  |

## E. MANUFACTURER'S RECOMMENDATIONS

1. EQUIPMENT INSTALLED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.

**F. GUARANTEE**

ALL MATERIALS AND EQUIPMENT PROVIDED AND INSTALLED UNDER THIS SECTION SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR. SHOULD ANY TROUBLE OR MALFUNCTIONS DEVELOP DURING THIS PERIOD DUE TO DEFECTIVE MATERIALS OR FAULTY WORKSMANSHIP, THE CONTRACTOR WILL BE HELD LIABLE AND SHALL FURNISH LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CORRECT THE TROUBLE OR MALFUNCTION WITHOUT ADDITIONAL COST TO THE OWNER. ALL DEFECTIVE MATERIAL OR INFERIOR WORKSMANSHIP NOTICED DURING THE TIME OF INSTALLATION SHALL BE CORRECTED IMMEDIATELY TO THE ENTIRE SATISFACTION OF THE ARCHITECT, ENGINEER AND OWNER, AT NO ADDITIONAL COST.

## C DEFINITIONS

- |    |   |
|----|---|
| 1. | FURNISH: TO SUPPLY AND DELIVER, UNLOAD, INSPECT FOR DAMAGE.   |
| 2. | INSTALL: TO UNPACK, ASSEMBLE, ERECT, APPLY, PLACE, FINISH, CURE, PROTECT, CLEAN, AND MAKE READY FOR USE |

## 3 PROVIDE

- |  |  |
|--|--|
| <p><b>H. SUBMITTALS</b></p> <p>1. PROVIDE SHOP DRAWINGS AND MANUFACTURER'S LITERATURE OF MATERIALS AND EQUIPMENT AS REQUIRED IN THE GENERAL CONDITIONS, AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND AS LISTED BELOW:</p> |  |
|--|--|

## 2 CATALOG CUTS

- a) CONDUIT AND FITTINGS
  - 1) RIGID METAL
  - 2) INTERMEDIATE METAL
  - 3) ELECTRICAL METALLIC TUBING
  - 4) FLEXIBLE METALLIC
  - 5) LIQUID TIGHT FLEXIBLE METALLIC
- b) FITTINGS (EACH TYPE)
- c) WIRE AND CABLE
  - 1) SWITCHES
  - 2) SNAP
  - 3) OCCUPANCY SENSOR
- d) RECEPTACLE OUTLETS
  - 1) GENERAL PURPOSE
  - 2) GROUND FAULT CIRCUIT INTERRUPTION
- e) TRIM AND COVER PLATES (EACH TYPE AND STYLE)
- f) PANEL BOARDS
- g) SAFETY SWITCHES
- h) LIGHTING FIXTURES
- i) NAMEPLATES

1. SHOP DRAWING

- |    |                   |
|----|-------------------|
| 1. | PANEL BOARDS      |
| 2. | LIGHTING FIXTURES |

THE ABOVE IS A STANDARD SUBMITTAL REQUIREMENT LIST. ELECTRICAL CONTRACTOR SHALL SUBMIT ALL APPLICABLE ITEMS FOR REVIEW. MATERIAL NOT SUBMITTED AND APPROVED BY THE ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS COST IF DIRECTED BY THE ARCHITECT, ENGINEER OR THE OWNER'S REPRESENTATIVE.

## PART 2 - MATERIALS

**A GENERAL**

- |    |  |
|----|--|
| 1  | MATERIALS AND EQUIPMENT SHALL BE STANDARD CATALOGED PRODUCTS OF MANUFACTURER REGULARLY ENGAGED IN THE MANUFACTURE OF THE PRODUCT. IT LISTED, AND SHALL BE THE LATEST STANDARD DESIGN THAT CONFORMS TO SPECIFIED MATERIALS AND EQUIPMENT. |
| B. | RACEWAY AND CABLE  |
| 1  | ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE SHALL BE USED IN INTERIOR DRY LOCATIONS. MC CABLE FOR POWER TO LUMINAIRES.  |
| 2  | GALVANIZED FLEXIBLE STEEL (FMC) OR LIQUID TIGHT STEEL (LFMC) CONDUIT SHALL BE USED FOR CONNECTIONS TO MECHANICAL EQUIPMENT AND TRANSFORMERS AND AS INDICATED. LIQUID TIGHT CONDUIT SHALL BE USED IN EXTERIOR AND WET/DAMP LOCATIONS.     |
| 3  | SCHEDULE 40 PVC (WITH PVC COATED OR VINYL TIE DOUBLE WRAPPED RIGID STEEL ELBOW AS REQUIRED) SHALL BE USED FOR RUNS THAT ARE IN CONTACT WITH THE EARTH.   |
| 4  | 3/4" CONDUIT SHALL BE THE MINIMUM SIZE CONDUIT   |
| 5  | OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE RIGID STEEL CONDUIT OR LFMC.  |
| 6  | NM TYPE CABLE AS ALLOWED BY THE NEC.   |
| 7  | SER TYPE CABLE AS ALLOWED BY THE NEC.  |

**C** **FITTINGS**

1. ALL FITTINGS SHALL BE STEEL/MALLEABLE IRON WITH INSULATING BUSHINGS.

☐ OUTLET AND JUNCTION BOXES

- |   |  |
|---|--|
| 1 | BOXES IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE, NOT LESS THAN 4 INCHES SQUARE AND 2 1/8" DEEP; APPLETON, RACO, EQUAL AND AS SHOWN ON THE DRAWINGS. |
| 2 | BOXES SHALL BE EQUIPPED WITH PLASTER RINGS, EXTENSION RINGS, AND FIXTURE STUDS AS REQUIRED.  |
| 3 | PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS.   |



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lance@healdesigngroup.com

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of UT.

PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED

BY  
STANLEY LANCE HEAL, ARCHITECT

UT LIC # 8044421-0301  
LIC EXP DATE: 5/31/2024

## Project Information

## TENANT ALTERATION



## THE MIX RETAIL BUILDINGS

2300 N UNIVERSITY PKWY  
PROVO, UT 84604

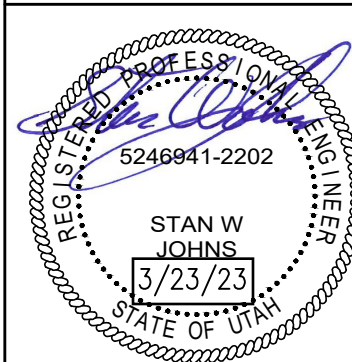
Client

CORY DEVENNEY

[illegible]

Sheet Title

## ELECTRICAL SPECIFICATIONS



DWG BY:	JLC
CHK BY:	

DATE:  
3/23/2023

PROJECT NO:  
23-05

DWG NO

E4.0



Project Title: Provo Crave Cookie ☐ Report date: 03/17/23  
Data filename: D:\WC\Jobs\Heal Design Group\Provo Crave\elec\Provo Com Check.cck Page 6 of 6

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3. C405.2.3. C405.2.3. 2 [EL23]†	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL26]†	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL27]†	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6]†	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.6 [EL26]†	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.7 [EL27]†	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8.2. C405.8.2. 1 [EL28]†	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9 [EL29]†	Total voltage drop across the combination of feeders and branch circuits $\leq$ 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	


**Additional Comments/Assumptions:**

1 High Impact (Tier 1)

2 Medium Impact (Tier 2)

3 Low Impact (Tier 3)

Project Title: Provo Crave Cookie  
 Data filename: D:\WC\Jobs\Heal Design Group\Provo Crave\elec\Provo Com Check.cck  
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# COMcheck Software Version 4.1.5.3

## Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

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

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

**Additional Comments/Assumptions:**

Project Title: Provo Crave Cookie

Data filename: D:\NC\Jobs\Heal Design Group\Provo Crave\elec\Provo Com Check.cck

Report date: 03/17/23

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