

- PROVIDE AND INSTALL GAS FIRED FURNACE AS SPECIFIED. MOUNT ON 14" HIGH PLENUM BASE. RISE DUCTWORK UP AND RUN ABOVE CEILINGS AS SHOWN.
- PROVIDE AND INSTALL CONDENSING UNIT AS SPECIFIED. MOUNT ON CONCRETE PAD BELOW STAIRWAY. RISE REFRIGERANT LINE UP IN WALL CAVITY TO ABOVE CEILING AND EXTEND TO CORRESPONDING FURNACE SYSTEM.
- PROVIDE CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RUN 6" DIAMETER DUCT TO WALL CAP. REFER TO DETAIL D/M3.1 FOR TYPICAL INSTALLATION.
- PROVIDE OUTSIDE LOUVER, WALL SLEEVE, AND MOTORIZED DAMPER AS SPECIFIED. MOUNT AT 8'-0" ABOVE FINISHED FLOOR. INTERLOCK MOTORIZED DAMPER WITH EXHAUST FAN #10. REFER TO DETAIL
- C/M3.1 FOR TYPICAL INSTALLATION....) MOUNT RG-1 RETURN GRILLE AT 6" ABOVE FLOOR. RISE 12x3-1/2" UNLINED DUCT UP IN WALL CAVITY TO ABOVE CEILING. REFER TO DETAIL B/M3.1 FOR TYPICAL INSTALLATION.
- PROVIDE AND INSTALL CONDENSING UNIT AS SPECIFIED. MOUNT ON CONCRETE PAD. RISE UP IN WALL CAVITY TO FURNACE ON MEZZANINE LEVEL. (SEE SHEET M1.2). REFER TO DETAIL M/M3.1 FOR PIPING RISE IN

MOUNT DIFFUSER IN CEILING AS SPECIFIED. RUN BRANCH DUCT THRU

- FLOOR JOISTS ABOVE. COORDINATE DIFFUSER AND DUCT LOCATIONS WITH LIGHT FIXTURES AND BUILDING STRUCTURE. PROVIDE PLENUM BOX ABOVE DIFFUSER AND TAP FLEX DUCT INTO SIDE OF BOX. REFER TO DETAIL ON SHEET M1.2 FOR TYPICAL INSTALLATION.
- RISE BRANCH DUCT UP THRU MEZZANINE FLOOR ABOVE. REFER TO SHEET M1.2 FOR CONTINUATION.
- DROP REFRIGERANT PIPING DOWN AND CONNECT TO DX COIL. REFER TO REFRIGERANT PIPING DIAGRAM G/M3.1 FOR TYPICAL PIPING CONNECTIONS AND TO CONDENSING UNIT SCHEDULE FOR LINE SIZES.
- REFER TO MAIN LEVEL MECHANICAL PLAN 1/M1.1 FOR CONTINUATION OF DUCTWORK.
- RUN REFRIGERANT PIPING ABOVE CEILING. SEE MAIN LEVEL MECHANICAL PLAN FOR CONTINUATION. SEE CONDENSING UNIT SCHEDULE FOR LINE SIZES.
- INSTALL OUTSIDE AIR LOUVER AS HIGH AS POSSIBLE. RUN OUTSIDE AIR DUCT BELOW SUPPLY AND RETURN AS SHOWN.
- DROP 10x 6 OUTSIDE AIR DUCT DOWN AND CONNECT TO TOP OF RETURN AIR PLENUM. PROVIDE MANUAL BALANCING DAMPER, DUCT ACCESS DOOR, AND AUTOMATIC CONTROL DAMPER IN DUCT. REFER TO DETAIL E/M3.1 FOR TYPICAL DAMPER INSTALLATION.
- 14) RISE 18x12 RETURN AIR DUCT UP THRU MEZZANINE FLOOR ABOVE AND CONNECT TO TOP OF FURNACE ABOVE. SEE SHEET M1.2 FOR CONTINUATION.
- INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RISE 8" DIAMETER DUCT UP THRU ROOF WITH ROOF CAP. REFER TO DETAIL D/M3.1 FOR TYPICAL INSTALLATION.
- 16 RUN (2) 3" DIAMETER VENTS FROM EACH FURNACE TO FLAT WALL PLATE IN EXTERIOR WALL. VENTS TO RUN THRU JOIST SPACE AS SHOWN. COORDINATE WITH OTHER PIPING AND DUCTWORK. VENT IN EXTERIOR WALL TO BE 10'-0" MINIMUM DISTANCE FROM AND OUTSIDE AIR INTAKE. REFER TO DETAIL H/M3.1 FOR TYPICAL FLAT PLATE VENT INSTALLATION.

08/13/2021

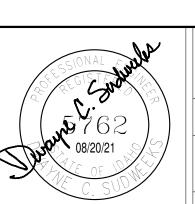
BUIL

VEL MECHANICAL PLAN ARI TWIN FALLS MAIN I

NEW

Architecture ==architecture/planning= 35 Shoshone Street North * Twin Falls, Idaho 8 (208) 736-8050 Fax: (208) 733-0950

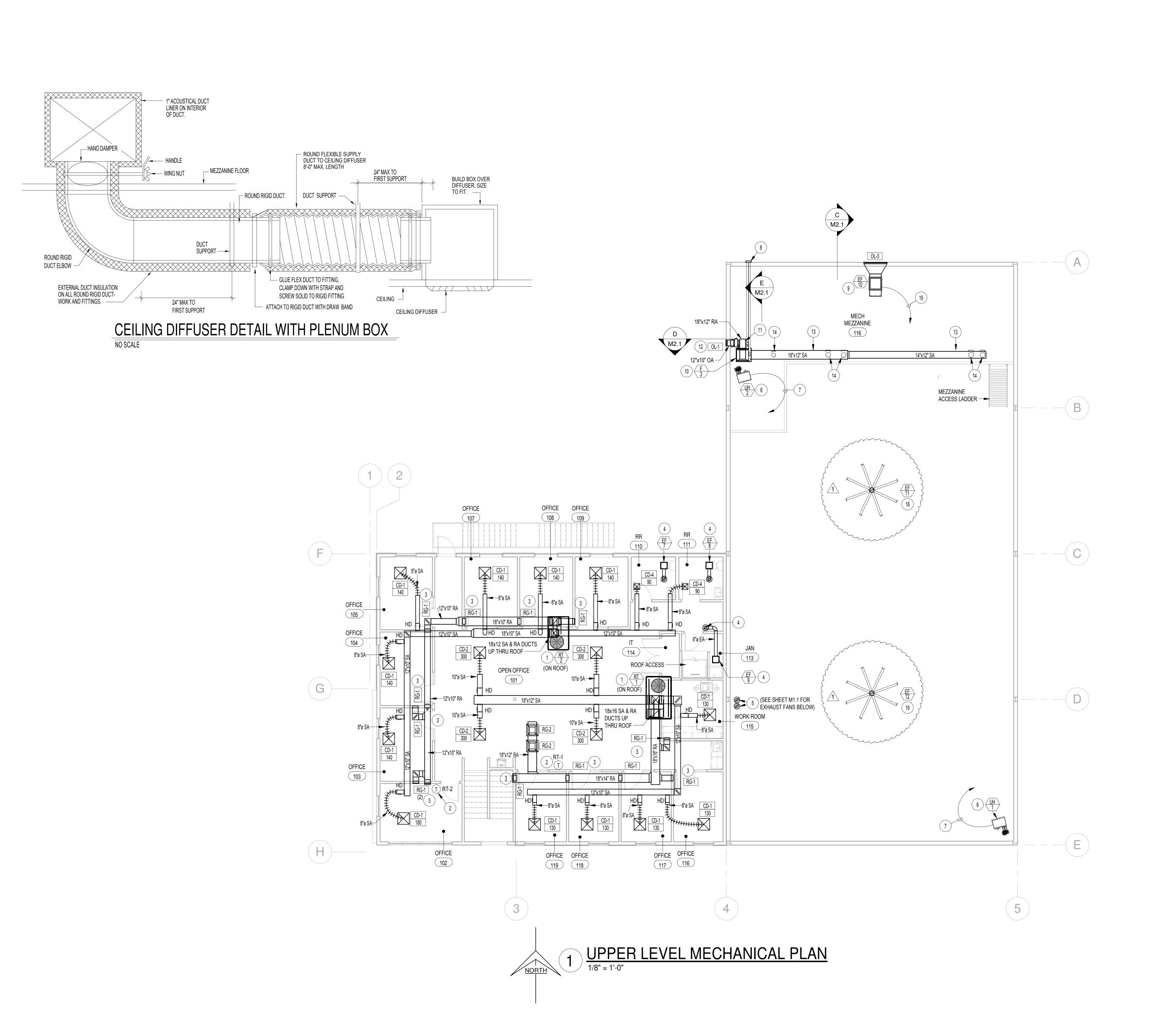
Laughlin Ricks





DATE: 08/13/2021

DCS Checked



- PROVIDE AND INSTALL NEW HVAC ROOF-TOP UNIT AS SPECIFIED. DROP DUCTWORK DOWN THRU ROOF AND RUN AS SHOWN. COORDINATE ROOF-TOP UNIT AND DUCT DROPS WITH ROOF STRUCTURE.
- MOUNT THERMOSTAT ON WALL AND CONNECT TO CORRESPONDING ROOF TOP UNIT AS INDICATED.
- MOUNT RG-1 RETURN GRILLE AT 6" ABOVE FLOOR. RISE 12x3-1/2 UNLINED DUCT UP IN WALL CAVITY TO ABOVE CEILING. REFER TO

DETAIL B/M3.1 FOR TYPICAL INSTALLATION.

TO DETAIL D/M3.1 FOR TYPICAL INSTALLATION.

- PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RUN 6" DIAMETER DUCT THRU CEILING SPACE AS SHOWN TO ROOF CAP. COORDINATE DUCT WITH OTHER DUCTWORK AND PIPING. REFER
- RISE 8" DIAMETER DUCT UP THRU ROOF WITH WEATHER CAP. EXHAUST DUCT TERMINATION TO BE 10'-0" MINIMUM FROM ANY AIR INTAKE.
- PROVIDE AND INSTALL GAS FIRED SEPARATED COMBUSTION UNIT HEATER AS SPECIFIED. MOUNT AT 20'-0" ABOVE FLOOR AND SUPPORT FROM ROOF STRUCTURE. RISE (2) 4" DIAMETER VENT UP THRU ROOF WITH CONCENTRIC TYPE FITTING. REFER TO DETAIL P/M3.1 FOR TYPICAL INSTALLATION.
- CONNECT UNIT HEATER TO WALL MOUNTED THERMOSTAT. REFER TO SHEET M1.1 FOR THERMOSTAT LOCATION.
- RUN (2) 3" DIAMETER FURNACE VENT AS SHOWN. EXTEND THRU EXTERIOR WALL WITH FLAT PLATE TYPE VENT. VENT TERMINATION TO BE 10'-0" MINIMUM FROM ANY OUTSIDE AIR INTAKE. REFER TO DETAIL H/M3.1 FOR TYPICAL FLAT PLATE VENT INSTALLATION.
- PROVIDE AND INSTALL IN-LINE EXHAUST FAN AS SPECIFIED. MOUNT AS HIGH AS POSSIBLE AND SUPPORT FROM ROOF STRUCTURE.
- PROVIDE AND INSTALL DOWNFLOW FURNACE AS SPECIFIED. MOUNT ON MEZZANINE FLOOR WITH 14" HIGH PLENUM BASE. REFER TO DETAIL F/M3.1 FOR PLENUM BASE CONSTRUCTION.
- RISE 18x12 RETURN DUCT UP THRU MEZZANINE FLOOR. RISE UP AND CONNECT TO TOP OF FURNACE. SEE SHEET M1.1 FOR RETURN GRILLE IN MAIN LEVEL CEILING.
- MOUNT OUTSIDE AIR LOUVER IN WALL AS HIGH AS POSSIBLE. CONNECT 10x6 DUCT TO RETURN DUCT. PROVIDE MOTORIZED DAMPER, DUCT ACCESS DOOR, AND MANUAL BALANCING DAMPER. BALANCE TO 300 CFM MAXIMUM. REFER TO DETAIL E/M3.1 FOR TYPICAL DAMPER INSTALLATION.
- CONNECT SUPPLY AIR DUCT TO PLENUM BASE BELOW FURNACE. RUN DUCT ALONG MEZZANINE FLOOR AS SHOWN. KEEP DUCT TIGHT TO
- 4) DROP SUPPLY BRANCH DUCT DOWN THRU MEZZANINE FLOOR AND RUN THRU FLOOR JOISTS. SEE SHEET M1.1 FOR CONTINUATION OF BRANCH DUCTS. PROVIDE BALANCING DAMPER IN TAKE-OFF WITH ACCESSIBLE CONTROL LEVEL. SEE DETAIL ON THIS SHEET.
-) INTERLOCK EXHAUST FAN WITH (2) MAKE UP AIR LOUVERS NEAR FLOOR. REFER TO SHEET M1.1 FOR LOUVER AND DAMPER LOCATIONS.
- 6 PROVIDE AND INSTALL 12'-0" DIAMETER (LOW SPEED HIGH VOLUME) CIRCULATING FAN AS SPECIFIED. SUPPORT FAN FROM BOTTOM OF BAR JOISTS IN ROOF. MOUNT AT 20'-0" ABOVE FLOOR. SEE DETAIL E/M3.2 FOR TYPICAL INSTALLATION.

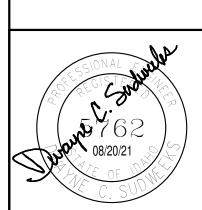
08/13/2021

EVEL MECHANICAL PLAN

NEW ARi TWIN FAL

Architecture

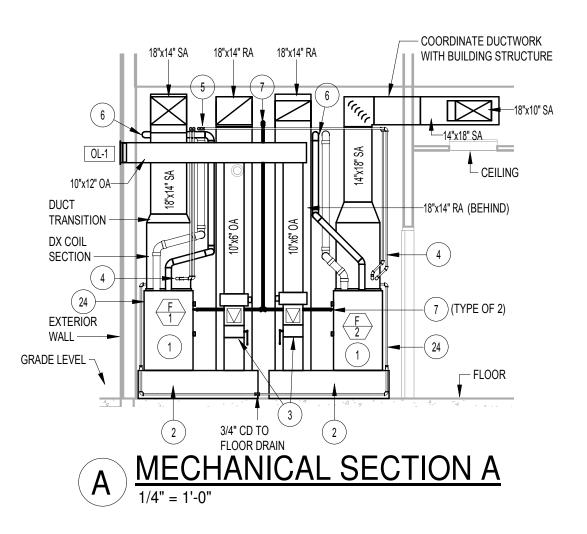
Laughlin Ricks





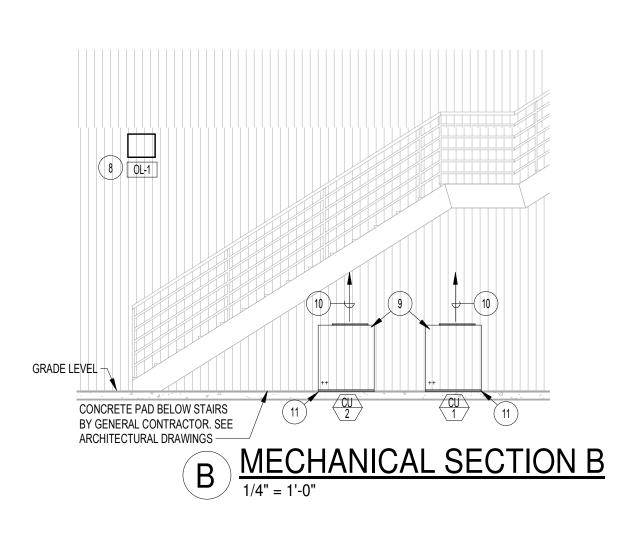
DCS

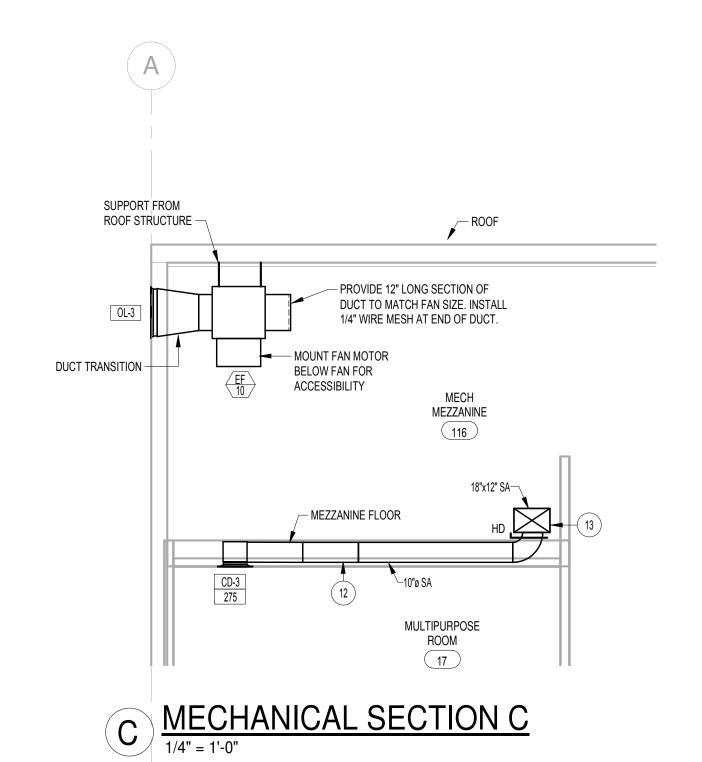
DATE: 08/13/2021

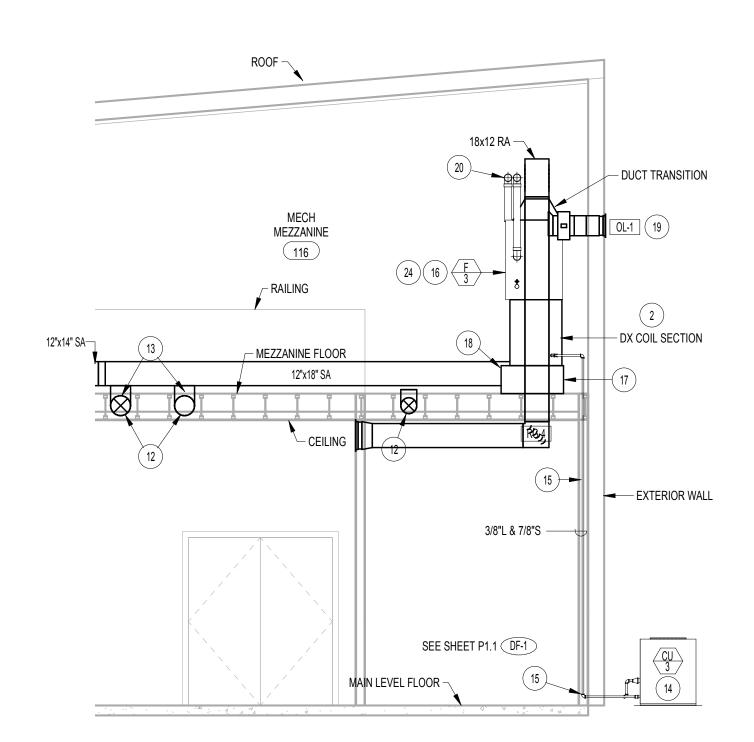


MULTIPURPOSE ROOM

17

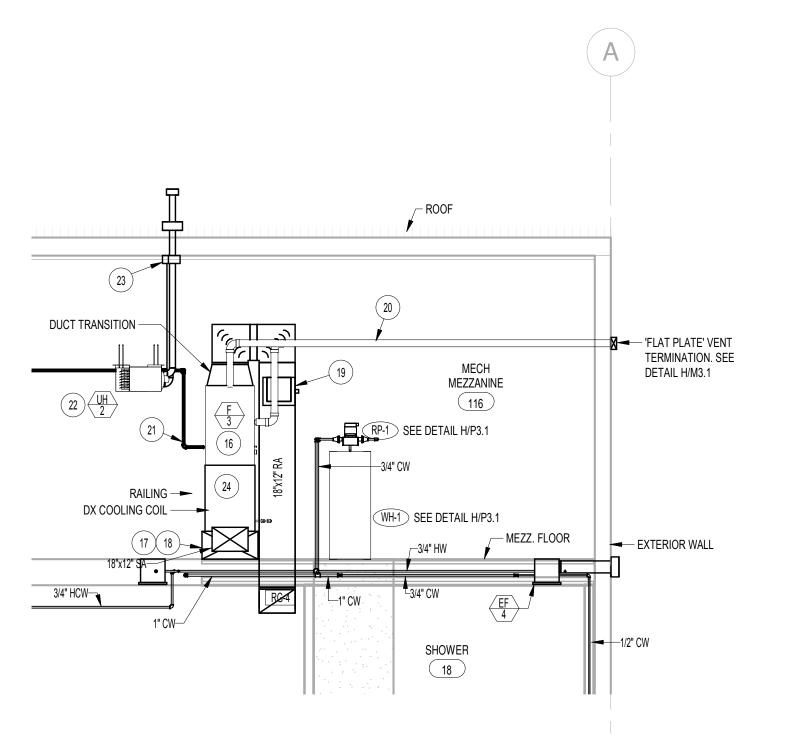




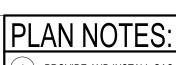


D MECHANICAL SECTION D

1/4" = 1'-0"



E MECHANICAL SECTION E



- PROVIDE AND INSTALL GAS FIRED UP-FLOW FURNACE AS SPECIFIED. MOUNT ON PLENUM BASE. RISE DUCTWORK UP AND RUN ABOVE CEILINGS AS SHOWN ON SHEET M1.1. COORDINATE FURNACE AND DUCT LOCATIONS WITH ROOM DOOR, BUILDING STRUCTURE, PIPING, FIRE SPRINKLER PIPING AND ELECTRICAL CONDUTIS.
- PROVIDE 14" HIGH RETURN AIR PLENUM BASE BELOW FURNACE. LEAVE FULL SIZE OPENING INTO BOTTOM OF FURNACE. CONNECT RETURN DUCT AND OUTSIDE AIR DUCT TO TOP OF PLENUM BASE. REFER TO DETAIL F/M3.1 FOR TYPICAL PLENUM CONSTRUCTION.

08/13/2021

HANICAL SECTIONS

ARI TWIN FAL MECI

NEW

Architectur

Ricks

aughlin

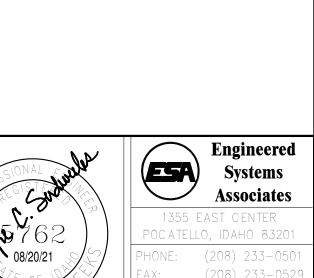
DATE: 08/13/2021

DCS

- DROP 10x6 OUTSIDE AIR DUCT DOWN AND CONNECT TO TOP OF PLENUM WITH MANUAL BALANCING DAMPER, DUCT ACCESS DOOR AND MOTORIZED DAMPER. INTERLOCK MOTORIZED DAMPER WITH FURNACE OPERATION. REFER TO DETAIL E/M3.1 FOR TYPICAL INSTALLATION.
- DROP REFRIGERANT PIPING DOWN AND CONNECT TO DX COOLING COIL. REFER TO PIPING DIAGRAM G/M3.1 FOR TYPICAL VALVES AND CONNECTIONS.
- RUN REFERIGERANT PIPING ABOVE CEILINGS TO REMOTE CONDENSING UNIT LOCATIONS. REFER TO SHEET M1.1 FOR ROUTING OF PIPING AND LOCATION OF CORRESPONDING CONDENSING UNITS.
- RISE (2) 3" DIAMETER FURNACE VENTS UP TO ABOVE CEILINGS. EXTEND VENTS THRU JOIST SPACE TO EXTERIOR (FLAT PLATE) TERMINATION. TERMINATION TO BE 10'-0" MINIMUM FROM ANY OUTSIDE AIR INTAKE.
- 3/4" (2 PSI) GAS LINE THRU CEILING SPACE. (REFER TO LARGE SCALE PLAN 1/P2.1.) DROP 3/4" LINE DOWN AND CONNECT TO (2) FURNACES WITH PRESSURE REGULATOR, SHUT-OFF VALVE AND FLEXIBLE HOSE FOR EACH FURNACE SYSTEM. REGULATOR TO BE VENTED TO THE EXTERIOR AS RECOMMENDED BY MANUFACTURER. REFER TO DETAIL K/P3.1 FOR TYPICAL GAS LINE CONNECTION.
- MOUNT OUTSIDE AIR INTAKE LOUVER AS HIGH AS POSSIBLE. COORINATE WITH BUILDING TRIM AND DUCTWORK IN MECHANICAL ROOM BEYOND. REFER TO SECTION A/M2.1.
- PROVIDE AND INSTALL REMOTE CONDENSING UNITS AS SPECIFIED. MOUNT ON CONCRETE PAD BELOW OPEN STAIRWAY. EXTEND REFRIGERANT LINES UP THRU EXTERIOR WALL AND RISE UP IN WALL CAVITY TO ABOVE CEILINGS. REFER TO DETAIL M/M3.1 FOR PIPING UP IN WALL AND TO SHEET M1.1 FOR ROUTING OF REFRIGERANT
- PLACE REMOTE CONDENSING UNITS AS REQUIRED TO LEAVE 30" MINIMUM OPEN (UNOBSTRUCTED) AIR SPACE ABOVE UNIT. COORDINATE UNIT LOCATION ON SITE AFTER STAIRS HAVE BEEN INSTALLED.
- PROVIDE 1" THICK NEOPRENE PADS UNDER EACH CORNER OF CONDENSING UNIT FOR VIBRATION.
- RUN 10" DIAMETER BRANCH DUCT THRU MEZZANINE FLOOR JOISTS SPACE TO DIFFUSERS AS SHOWN. COORDINATE DUCT AND DIFFUSER LOCATIONS WITH OTHER PIPING, LIGHT FIXTURES AND ELECTRICAL CONDUITS. DUCTWORK TO NOT SHARE SAME SPACE AS OTHER TRADES.
- RUN SUPPLY AIR DUCT ALONG MEZZANINE FLOOR AND PROVIDE TAKE-OFFS AS SHOWN ON SHEET M1.1 FOR EACH CEILING DIFFUSER ON MAIN LEVEL. PROVIDE BALANCING DAMPER IN EACH BRANCH DUCT WITH ACCESIBLE LEVER HANDLE. SEE DETAIL ON SHEET M1.2.
- PROVIDE AND INSTALL REMOTE CONDENSING UNIT AS SPECIFIED. MOUNT ON 4" THICK CONCRETE PAD WITH 1" THICK NEOPRENE PADS

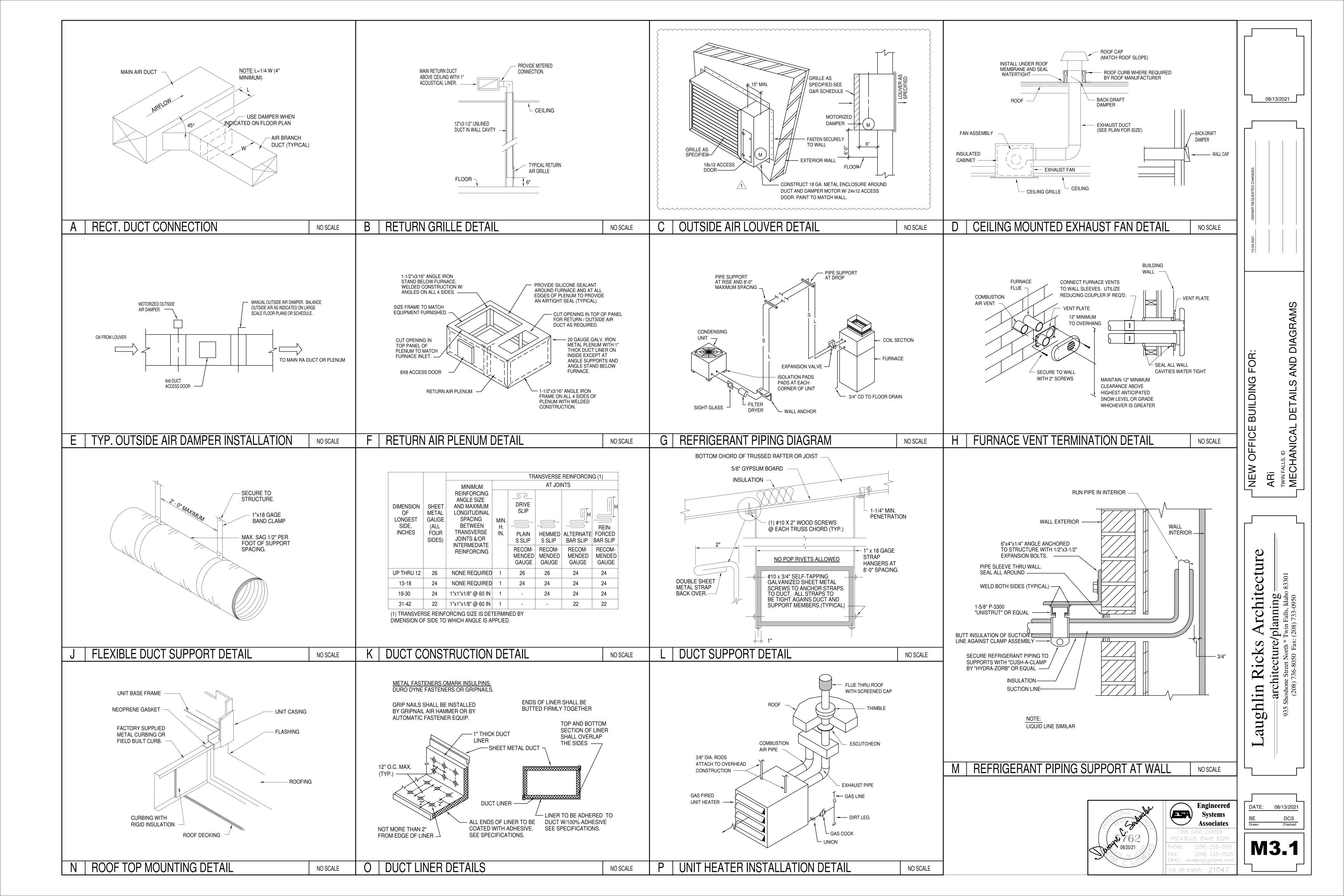
UNDER EACH CORNER FOR VIBRATION.

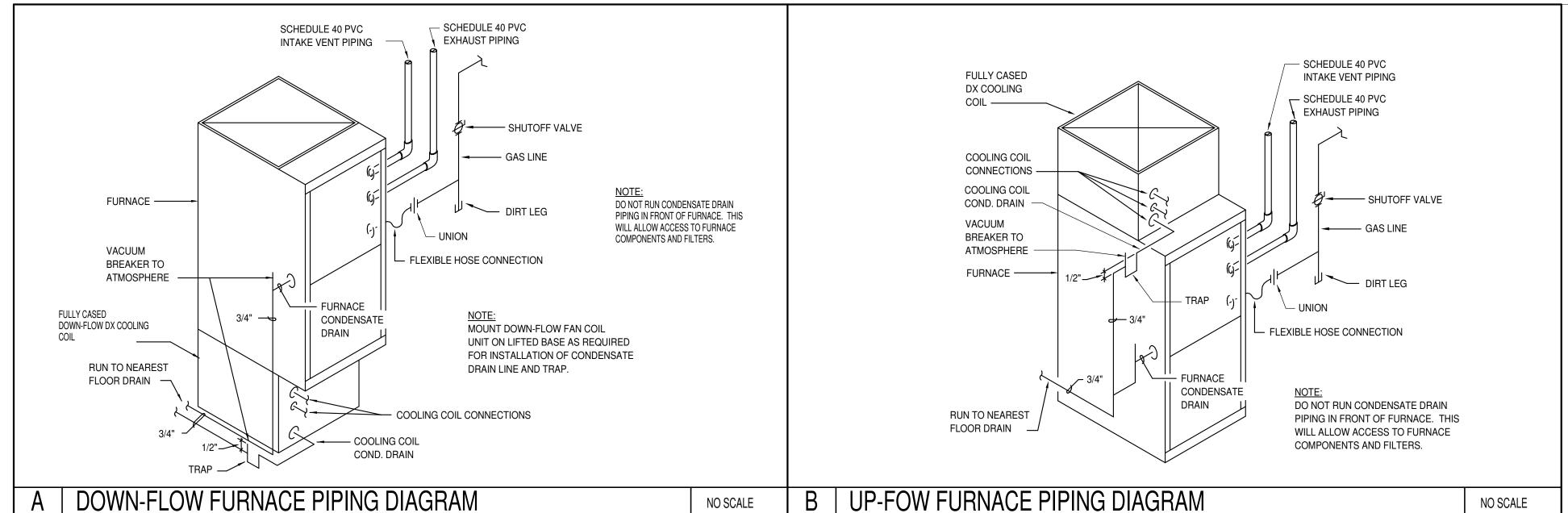
- EXTEND REFRIGERANT PIPING THRU EXTERIOR WALL AND RISE UP IN WALL CAVITY TO FURNACE LOCATED ON MEZZANINE LEVEL. REFER TO DETAIL M/M3.1 FOR PIPING UP IN WALL.
- 6 PROVIDE AND INSTALL GAS FIRED (DOWN-FLOW) FURNACE AS SPECIFIED. MOUNT FURNACE ON 14" HIGH SUPPLY PLENUM BASE. COORDINATE FURNACE AND DUCT LOCATIONS WITH BUILDING STRUCTURE, PLUMBING PIPING, FIRE SPRINKLER PIPING, AND ELECTRICAL CONDUITS.
- PROVIDE 14" HIGH SUPPLY AIR PLENUM BASE BELOW FURNACE. LEAVE FULL SIZED OPENING IN BOTTOM OF FURNACE. REFER TO DETAIL F/M3.1 FOR TYPICAL PLENUM CONSTRUCITON.
- 18) CONNECT 18x12 SUPPLY DUCT TO FRONT OF PLENUM BASE. RUN SUPPLY DUCT AT FLOOR OF MEZZANINE AS SHOWN ON SHEET M1.2.
- 9 CONNECT 10x6 OUTSIDE AIR DUCT TO RETURN WITH MANUAL BALANCING DAMPER, DUCT ACCESS DOOR AND MOTORIZED DAMPER. INTERLOCK MOTORIZED DAMPER WITH FURNACE OPERATION. REFER TO DETAIL E/M3.1 FOR TYPICAL DAMPER INSTALLATION.
- 0) RISE (2) 3" DIAMETER FURNACE VENTS UP AND EXTEND THRU EXTERIOR WALL WITH FLAT PLATE TYPE TERMINATION. TERMINATION TO BE 10'-0" MINIMUM AWAY FROM ANY OUTSIDE AIR INTAKE. REFER TO DETAIL H/M3.1 FOR TYPICAL INSTALLATION.
- 3/4" (2 psi) GAS LINE. (REFER TO SHEET P1.2) DROP 3/4" LINE DOWN AND CONNECT TO FURNACE WITH PRESSURE REGULATOR, SHUT-OFF VALVE AND FLEXIBLE HOSE. REGULATOR TO BE VENTED TO THE EXTERIOR AS RECOMMENDED BY MANUFACTURER. REFER TO DETAIL K/P3.1 FOR TYPICAL GAS LINE CONNECTION.
- PROVIDE AND INSTALL GAS FIRED SEPARATED COMBUSTION UNIT HEATER AS SPECIFIED. MOUNT AT 20'-0" ABOVE FLOOR AND SUPPORT FROM ROOF STRUCTURE. CONNECT 3/4" GAS LINE TO UNIT HEATER WITH PRESSURE REGULATOR, SHUT-OFF VALVE AND FLEXIBLE HOSE. REFER TO DETAIL K/P3.1 FOR TYPICAL GAS LINE
- RISE (2) 4" DIAMETER VENTS UP FROM UNIT HEATER AND EXTEND P/M3.1 FOR TYPICAL INSTALLATION.
- FURNACES.

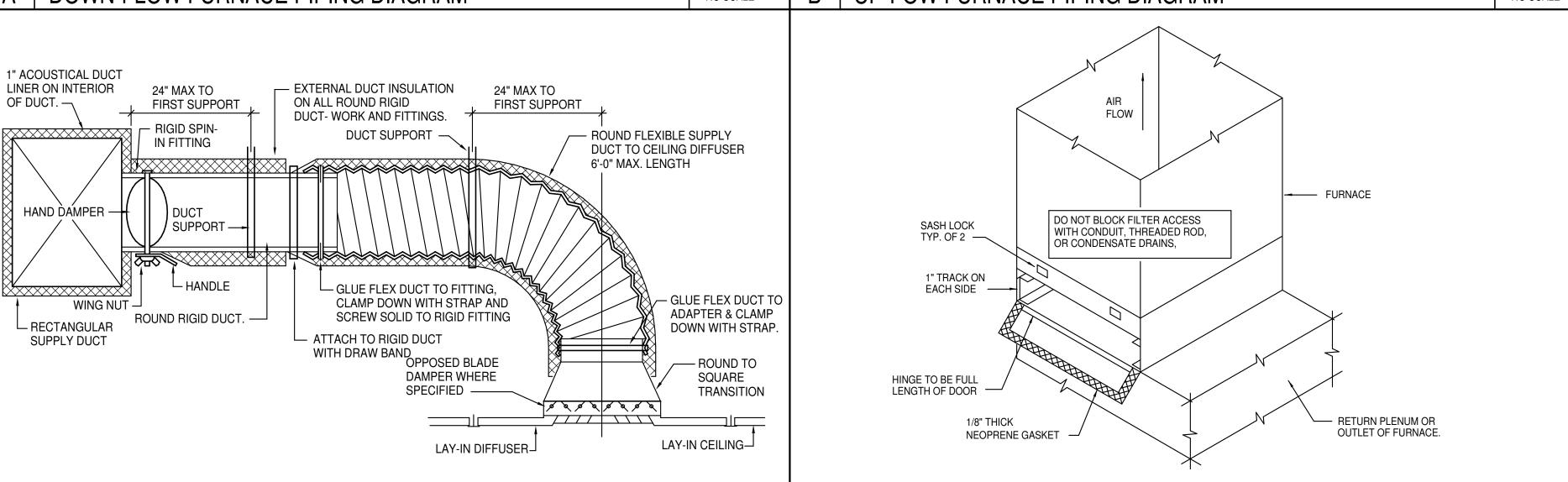


ESA JOB NUMBER: 21047

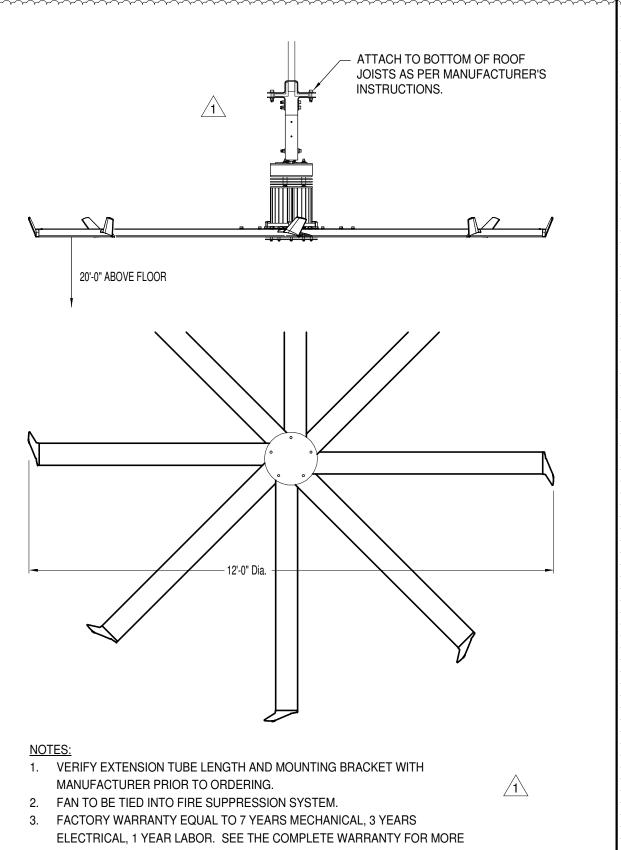
THRU ROOF WITH CONCENTRIC TYPE FITTING. REFER TO DETAIL 24) RUN 3/4" CONDENSATE DRAIN LINE FROM EACH FURNACE SYSTEM TO NEAREST FLOOR DRAIN. REFER TO DETAILS A/M3.2 OR B/M3.2 FOR TYPICAL PIPING CONNECTIONS TO UP-FLOW AND/OR DOWN-FLOW (208) 233-052 EMAIL: esa@engsystems.c







NO SCALE



NO SCALE

C | CEILING DIFFUSER IN NON-ACCESSIBLE CEILING

			MECHAN	ICAL LEG	BEND		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	COTG	CLEANOUT TO GRADE	HWRC	HOT WATER RECIRC. PIPING	SA	SUPPLY AIR
CD	CONDENSATE DRAIN PIPING	CR	CONDENSATE RETURN	LPG	LIQUID PROPANE GAS	VTR	VENT THRU ROOF
CO	CLEANOUT	CW	COLD WATER PIPING	OA	OUTSIDE AIR	V	VENT PIPING
(1	DIANNOTE	HW	HOT WATER PIPING	RA	RETURN AIR	W	WASTE PIPING
1	PLAN NOTE	e	PIPE DROP	T	THERMOSTAT	WCO	WALL CLEANOUT
FC 1	EQUIPMENT SYMBOL	<u> </u>	PIPE RISE		MOTORIZED DAMPER	□	SIDEWALL REGISTER (SUPPLY AIR)
	DUCT TRANSITION		BALL VALVE CHECK VALVE GATE VALVE		CEILING MOUNTED EXHAUST FAN		SIDEWALL GRILLE (RETURN AIR)
V	TURNING VANES	苗	RECTANGULAR SUPPLY AND RETURN AIR DUCT TAKE-OFF		ROOF TOP EXHAUST FAN		CEILING DIFFUSER
<i></i>	ROUND SPIRAL DUCTWORK	† † HD	HAND DAMPER		VERTICAL FAN COIL UNIT		RETURN AIR GRILLE
	INSULATED FLEXIBLE DUCT		ROUND BRANCH DUCT WITH HAND DAMPER		HORIZONTAL UNIT HEATER		EXHAUST AIR GRILLE

D | EXTERNAL FILTER SECTION DETAIL

	ELECTRIC HEATER SCHEDULE											
SYM.	TYPE	BTU	KW	CHAR	CONTROL	REMARKS						
(EH)	SURFACE WALL MOUNTED	6824	2	208/60/1	INTEGRAL	QMARK MODEL AWH4408 WITH AWH-SM MOUNTING FRAME						

NO SCALE

			F	300)F	ГОР	HE	EAT	ING	& A	IR (CON	IDI	TIO	NII	VG	UN	NIT SCHEDULE		
SYM.	CFM	MIN. O.A.	SP	BLOWE H.P.	REER	CHAR	MCA	МОР	WEIGH	T GAS CONN	HE.	ATING @ MBH OU		LAT	COOL MBH	LING EAT	WB	REMARKS (1)		· _
(RT)	1850	300	.75"	1	12.8	480/60/3	14	20	1100#	1/2"	130	104	65°F	110°F	61	95°F	67°F	TRANE MODEL YHC-060-E4 WITH FULL ECONOMIZER AND COIL GUARDS. MOUNT ON ROOF CURB.		
$\left\langle \begin{array}{c} \overline{RT} \\ \overline{2} \end{array} \right\rangle$	1200	300	.75"	1	12.4	480/60/3	12	15	1100#	1/2"	80	64	65°F	106°F	37.6	95°F	67°F	TRANE MODEL YHC-036-E4 WITH FULL ECONOMIZER AND COIL GUARDS. MOUNT ON ROOF CURB.		
												(~~~	· · · · ·	~~~	~~~		~~~	·····		
(1)	JNIT TO	BE SU	IPPLIEI	D WITH FA	ACTORY	FURNISH	IED CON	IVENIEN	CE OUTLET	AND DIS	CONNEC	CT. UNIT T	O BE SU	JPPLIED	WITH N	MERV 1	4 HEPA	FILTERS. 1	▎┕	08/13/2021

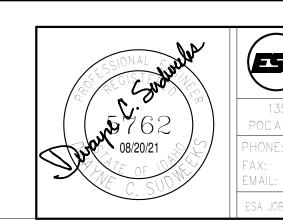
						F	FURN	NACE	SC	HE	DUL	_E		
SYM.	TYPE	DESIGN CFM	O.A. CFM	SPE	H.P.	CHAR.	A.G.A. (© ELEV. OUTPUT	EAT	LAT	SUP	VENT	GAS TYPE	REMARKS
$\overline{\left(\frac{F}{1}\right)}$	UP-FLOW	1600	200	.5"	1	120/60/1	100,000	97,000	65°F	112°F	1/2"	(2) 3"	NAT.	TRANE MODEL S9X1B100U5 WITH MATCHING DX COOLING COIL
$\frac{F}{2}$	UP-FLOW	1500	200	.5"	1	120/60/1	100,000	97,000	65°F	112°F	1/2"	(2) 3"	NAT.	TRANE MODEL S9X1B100U5 WITH MATCHING DX COOLING COIL
$\frac{\overline{F}}{3}$	DOWN-FLOW	1200	200	.5"	3/4	120/60/1	80,000	77,600	65°F	115°F	1/2"	(2) 3"	NAT.	TRANE MODEL S9X1B080D4 WITH MATCHING DX COOLING COIL

	CONDENSING UNIT SCHEDULE													
SYM.	BTU	EAT	CHAR.	MCA	MOCP	WEIGHT	REFRIGER	ANT PIPING	MIN. EER	REMARKS				
O I IVI.	ВТО	L/ \ \ 1	Or I/ ti t.	WOT	IVIOOI	WEIGHT	LIQUID	SUCTION	IVIII V. LLI	TIENWA II (O				
(CU)	48,000	95°F	208/60/1	24.0	40	225#	3/8"	7/8"	13.0	TRANE XR14 A/C SERIES, MODEL 4TTR4048 WITH LOW AMBIENT 'HARD-START' KIT.				
(CU) 2	48,000	95°F	208/60/1	24.0	40	225#	3/8"	7/8"	13.0	TRANE XR14 A/C SERIES, MODEL 4TTR4048 WITH LOW AMBIENT 'HARD-START' KIT.				
⟨CU⟩ 3	36,000	95°F	208/60/1	18.0	30	200#	3/8"	3/4"	13.0	TRANE XR14 A/C SERIES, MODEL 4TTR4037 WITH LOW AMBIENT 'HARD-START' KIT.				

					UNI	T HE	ATE	RS	CH	EDL	JLE		
SYM.	TYPE	CFM	H.P.	CHAR.	INPUT	A.G.A. OUTPUT	EAT	LAT	SUP.	FUEL TYPE	FLUE	WEIGHT	REMARKS
(UH)	PROPELLER	1350	1/20	120/60/1	105,000	87,150	65°F	100°F	1/2"	NAT.	(2) 4"Dia	200#	REZNOR UDAS-100 SEALED COMBUSTION UNIT WITH WALL MOUNTED THERMOSTAT
$\left\langle \frac{\text{UH}}{2} \right\rangle$	PROPELLER	1350	1/20	120/60/1	105,000	87,150	65°F	100°F	1/2"	NAT.	(2) 4"Dia	200#	REZNOR UDAS-100 SEALED COMBUSTION UNIT WITH WALL MOUNTED THERMOSTAT

			EX	HAU	ST FA	N SC	HEDULI	E
SYM.	TYPE	C.F.M.	S.P.E.	WATTS	CHAR.	R.P.M.	CONTROL	REMARKS
(EF)	CEILING MOUNTED	250	.25"	166	120/60/1	830	WITH LIGHTS	TWIN CITY MODEL T250 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 8" Dia. DUCT TO WALL CAP.
(EF) 2	CEILING MOUNTED	250	.25"	166	120/60/1	830	WITH LIGHTS	TWIN CITY MODEL T250 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 8" Dia. DUCT TO WALL CAP.
(EF)	CEILING MOUNTED	150	.25"	100	120/60/1	710	24 HR TIMER	TWIN CITY MODEL T150 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 6" Dia. DUCT TO WALL CAP.
(EF)	CEILING MOUNTED	100	.25"	87	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 6" Dia. DUCT TO WALL CAP.
(EF) 5	CEILING MOUNTED	200	.25"	127	120/60/1	740	24 HR TIMER	TWIN CITY MODEL T200 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 8" Dia. DUCT TO ROOF CAP.
(EF)	CEILING MOUNTED	200	.25"	127	120/60/1	740	COOLING STAT	TWIN CITY MODEL T200 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 8" Dia. DUCT TO ROOF CAP.
(EF)	CEILING MOUNTED	100	.25"	87	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 6" Dia. DUCT UP TO ROOF CAP.
(EF) 8	CEILING MOUNTED	100	.25"	87	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 6" Dia. DUCT UP TO ROOF CAP.
(EF) 9	CEILING MOUNTED	100	.25"	87	120/60/1	640	24 HR TIMER	TWIN CITY MODEL T100 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 6" Dia. DUCT UP TO ROOF CAP.
EF 10	IN-LINE BELT DRIVE	3000	0.5"	3/4 HP	120/60/1	1050	WALL SWITCH	TWIN CITY MODEL BSI-165A (IN-LINE FAN) WITH BACK-DRAFT DAMPER. INTERLOCK WITH (2) OL-2 DAMPER MOTORS.
EF 11	12' PENDANT			1/2	208/60/3	120	WALL SWITCH	PATTERSON V-SERIES HVLS CEILING FAN, (12'-0" Dia.) MOUNT AT 20'-0" ABOVE FLOOR. TO BE SUPPLIED WITH REMOTE SPEED AND DIRECTIONAL CONTROLLER.
EF 12	12' PENDANT			1/2	208/60/3	120	WALL SWITCH	PATTERSON V-SERIES HVLS CEILING FAN, (12'-0" Dia.) MOUNT AT 20'-0" ABOVE FLOOR. TO BE SUPPLIED WITH REMOTE SPEED AND DIRECTIONAL CONTROLLER.
EF 13	1 CEILING MOUNTED	250	.25"	166	120/60/1	830	WITH LIGHTS	TWIN CITY MODEL T250 WITH CEILING GRILLE, BACK-DRAFT DAMPER AND 8" Dia. DUCT TO WALL CAP.

			Gl	RILLE	AND F	REGIS	TER	SCH	EDULE
SYM.	SIZE	THROW	CFM	CONSTR.	FINISH	BRANCH DUCT	F.D.	O.B.	REMARKS
CD-1	9 x 9	4♥▶	50-199	STEEL	WHITE	8" Dia.	NO	NO	PRICE SMD IN 24x24 LAY-IN MODULE
CD-2	12 x 12	4₫▶	200-450	STEEL	WHITE	10" Dia.	NO	NO	PRICE SMD IN 24x24 LAY-IN MODULE
CD-3	12 x 12	4₫▶	200-450	STEEL	WHITE	10" Dia.	NO	NO	PRICE SMD WITH BEVELED FRAME
CD-4	9 x 9	4፟ ▶	50-199	STEEL	WHITE	8" Dia.	NO	NO	PRICE SMD WITH BEVELED FRAME
RG-1	12 x 6		0-160	STEEL	WHITE	12 x 3-1/2" UN-LINED	NO	NO	PRICE 535L
RG-2	18 x 18		450-800	STEEL	WHITE	18 x 10	NO	NO	PRICE MODEL 535 IN 24x24 LAY-IN MODULE
RG-3	18 x 18		450-1000	STEEL	WHITE	18 x 12	NO	NO	PRICE 535
RG-4	24 x 14		450-1000	STEEL	WHITE	18 x 12	NO	NO	PRICE 535L
EG-1	24 x 24		1500	STEEL	WHITE	24 x 24	NO	NO	PRICE MODEL 535 (HORIZONTAL)
EG-2	48 x 48		3000	STEEL	WHITE	24 x 18	NO	NO	PRICE MODEL 535L
OL-1	12 x 12		500	ALUM	COLOR BY ARCHITECT	12 x 10	NO	NO	AMERICAN WARMING LE-31 WITH DRAINABLE BLADES AND BIRD SCREEN
OL-2	24 x 24		1500	ALUM	COLOR BY ARCHITECT	24 x 24	NO	NO	AMERICAN WARMING LE-31 WITH DRAINABLE BLADES AND BIRD SCREEN
OL-3	48 x 24		3000	ALUM	COLOR BY ARCHITECT	48 x 24	NO	NO	AMERICAN WARMING LE-31 WITH DRAINABLE BLADES AND BIRD SCREEN



neered	DATE:	08/13/202
tems	BE	DCS
ciates	Drawn	Checked
NTER		

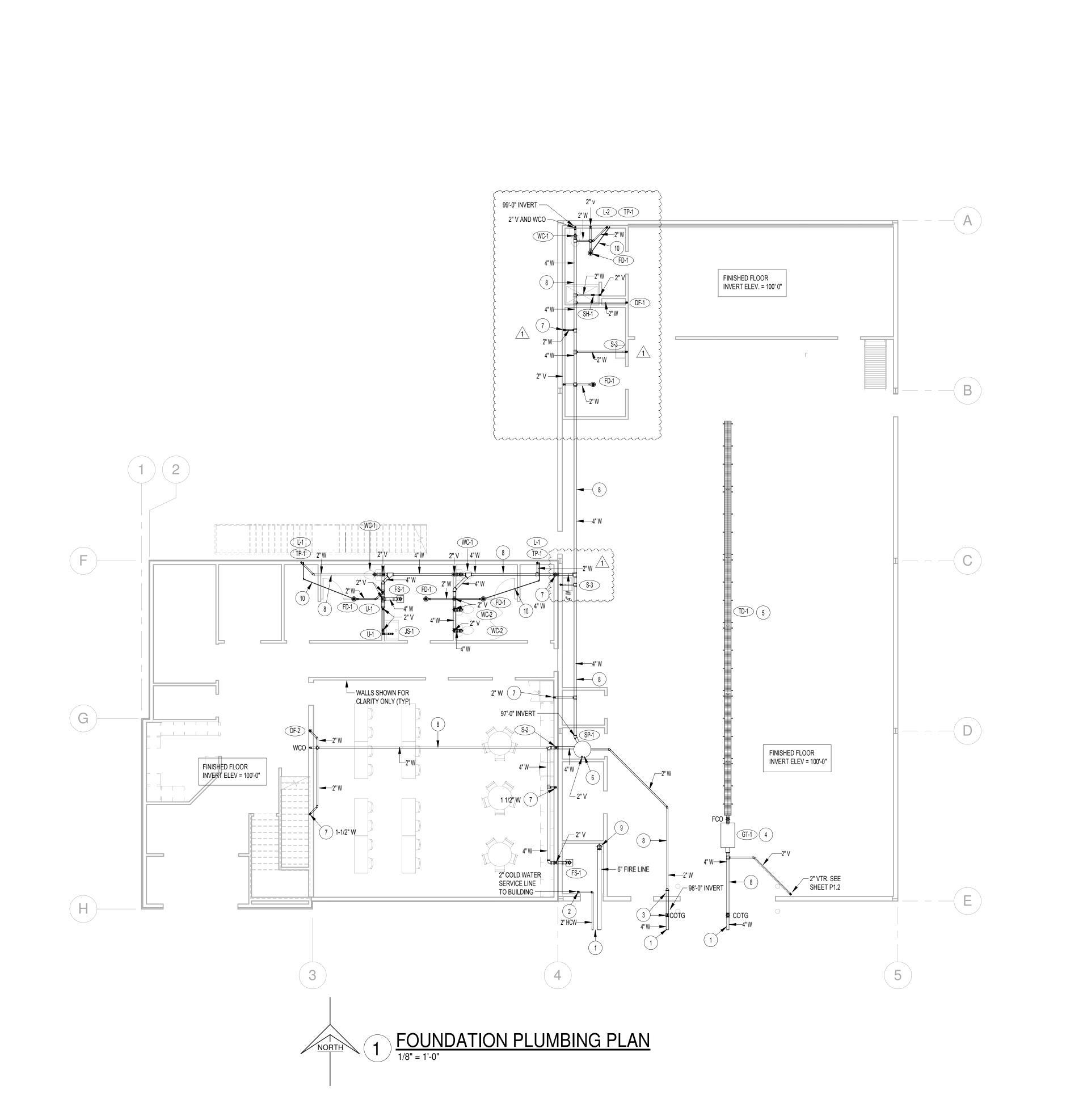
aughlin

SCHEDULES AND DETAILS

OFFICE BUILDING FOR:

Architecture

POCATELLO, IDAHO 83201 (208) 233-0529



- REFER TO SITE PLAN FOR CONTINUATION OF PIPING.
- RISE 2" COLD WATER LINE UP THRU FLOOR AND CONNECT TO PRESSURE REDUCING VALVE. REFER TO SHEET P1.1 FOR CONTINUATION. AND TO DETAIL F/P3.1 FOR TYPICAL INSTALLATION.
- EXTEND 2" PUMPED WASTE LINE OUTSIDE OF BUILDING. INCREASE LINE SIZE TO 4" BEFORE EXITING THE BUILDING. PROVIDE A CLEAN OUT TO GRADE IN CONCRETE APRON OF DOORWAY.
- PROVIDE SAND AND GREASE INTERCEPTOR IN FLOOR AND CONNECT TO TRENCH DRAIN. PROVIDE TOP EXTENTION AS REQUIRED ON INTERCEPTOR TO MATCH ELEVATION OF TRENCH DRAIN. EXTEND 4" WASTE LINE OUT FROM INTERCEPTOR WITH 2" VENT LINE UP THRU ROOF AS SHOWN.
- PROVIDE AND INSTALL NEW PRE-FAB TRENCH DRAIN AS SPECIFIED WITH END DRAIN LINE CONNECTION. REFER TO DETAIL M/P3.1 FOR TYPICAL INSTALLATION.
- PROVIDE AND INSTALL (2) SEWAGE PUMPS IN 30" DIAMETER BY 36" DEEP FIBERGLASS RECEIVING TANK. SYSTEM TO BE COMPLETE WITH FLOAT SWITCH OPERATORS, GAS TIGHT LID, AND WALL MOUNTED CONTROL PANEL. (SEE SHEET P1.1) REFER TO DETAIL N/P3.1 FOR TYPICAL SEWAGE PUMP INSTALLATION. FIELD CUT OPENING IN TANK FOR ALL WASTE LINES. (GRAVITY LINES AND PRESSURE LINE).
- WASTE PIPING DOWN FROM FIXTURE(S) ON UPPER LEVEL. (REFER TO SHEET P1.2) PROVIDE CLEANOUT AT 12" ABOVE FLOOR. PIPE SIZES AS INDICATED ON PLAN.
- ALL WASTE LINES BELOW FLOOR TO BE GRADED AT 1/4" SLOPE PER FOOT IN DIRECTION OF FLOW. FIELD VERIFY ACTUAL CONDITIONS AND COORDINATE ACTUAL PIPING ROUTES WITH FOOTING AND FOUNDATION WALL LOCATIONS.
- RISE 6" FIRE WATER PIPING UP THRU FLOOR AND CONNECT TO FIRE RISER AND ALARM VALVE. REFER TO SHEET P1.1 FOR RISER LOCATION AND TO DETAIL A/P3.2 FOR TYPICAL PIPING CONNECTIONS.
- RUN 1/2" COLD WATER LINE FROM TRAP PTIMER TO FLOOR DRAIN. REFER TO DETAIL J/P3.1 FOR TYPICAL INSTALLATION OF PIPING AND TRAP PRIMER ABOVE FLOOR.

08/13/2021

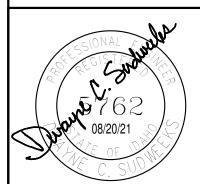
ARI TWIN FALLS, ID PLUMBING FOUNDATION PLAN OFFICE BUILDING FOR:

NEW

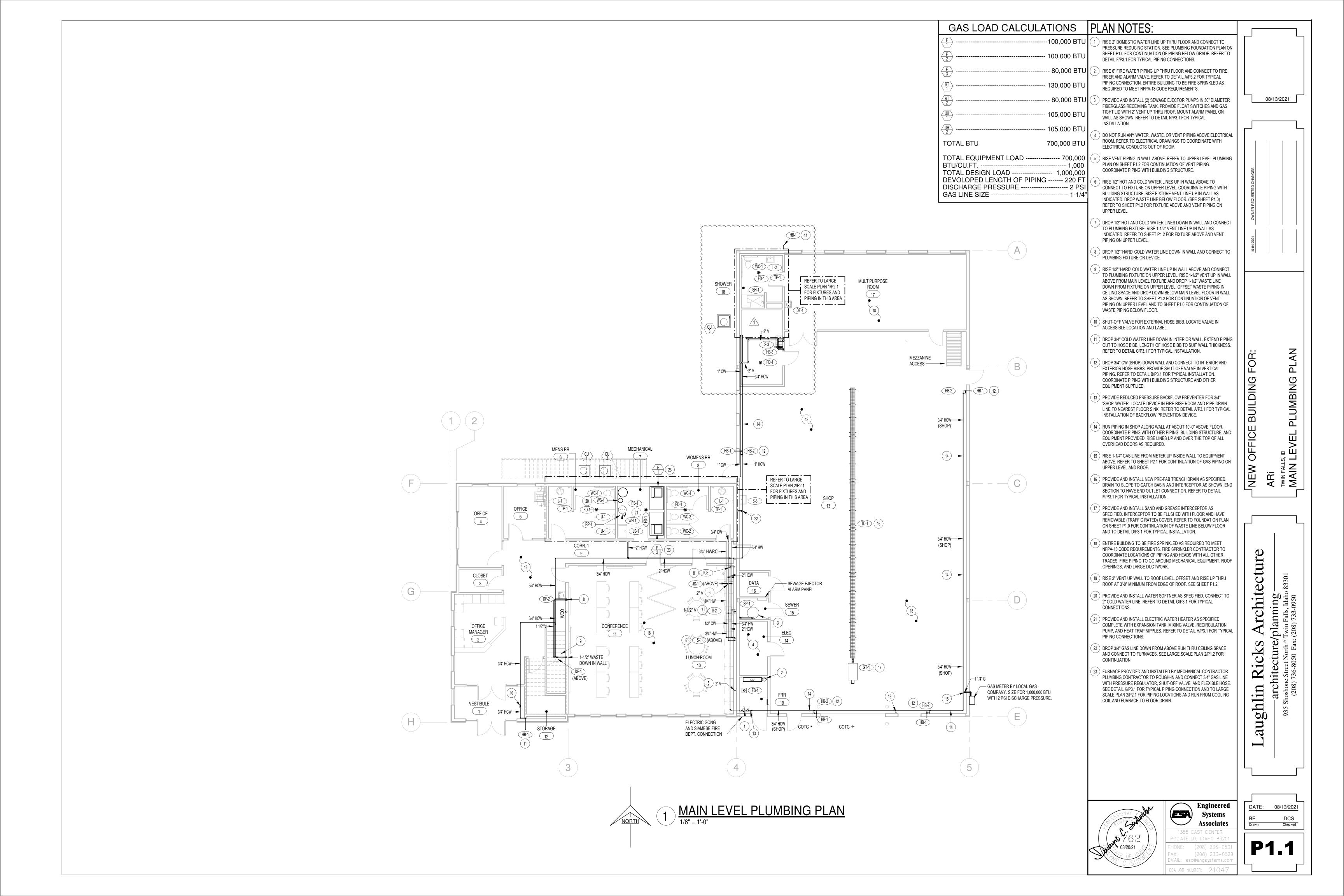
Architecture

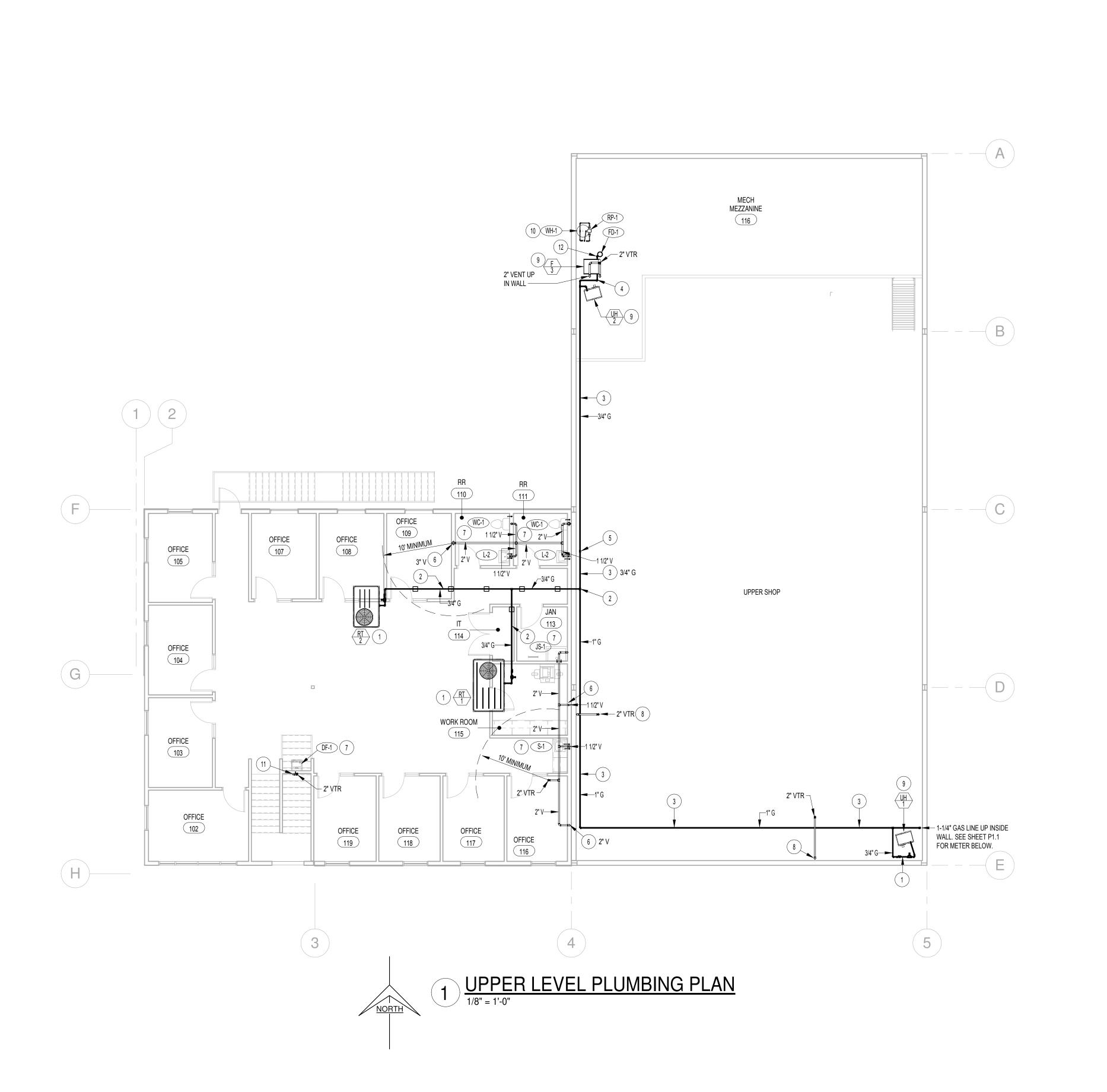
Laughlin Ricks

DATE: 08/13/2021 DCS Checked



Engineered ESA Systems Associates





- ROOFTOP EQUIPMENT INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT 3/4" GAS LINE WITH SHUT-OFF VALVE, PRESSURE REGULATOR, AND FLEXIBLE HOSE. REFER TO DETAIL L/P3.1 FOR TYPICAL PIPING CONNECTION.
- RISE 3/4" (2 PSI) GAS LINE UP THRU ROOF. RUN PIPING ON ROOF TO ROOFTOP EQUIPMENT AS SHOWN, FLASH AND SEAL ROOF WATER TIGHT. SUPPORT PIPING ON ROOF WITH PYRAMID TYPE SUPPORT AT 6'-0" MAXIMUM ON CENTER SPACING.
- RUN GAS PIPING THRU SHOP AT BOTTOM OF ROOF JOISTS. SUPPORT FROM ROOF STRUCTURE AT 6'-0" MAXIMUM ON CENTER SPACING. COORDINATE PIPE ROUTING WITH BUILDING STRUCTURE AND OTHER
- DROP 3/4" (2PSI) GAS LINE DOWN IN MECHANICAL MEZZANINE ROOM AND CONNECT TO FURNACE. PROVIDE SHUT-OFF VALVE, PRESSURE REGULATOR, AND FLEXIBLE HOSE. REFER TO DETAIL K/P3.1 FOR TYPICAL GAS PIPING TO INDOOR EQUIPMENT.
- DROP 3/4" (2 PSI) GAS LINE DOWN AND EXTEND THRU WALL AT MAIN LEVEL CEILING SPACE ELEVATION. RUN PIPING TO MECHANICAL ROOM ON MAIN LEVEL AND CONNECT TO (2) FURNACE. REFER TO LARGE SCALE TOILET ROOM PLAN 2/P2.1 FOR CONTINUATION OF PIPING ON MAIN LEVEL.
- RISE VENT FROM MAIN LEVEL FIXTURES UP IN WALL TO ABOVE CEILING. REFER TO SHEET P1.1 FOR CONTINUATION OF PIPING ON MAIN LEVEL. LINE SIZES AS TO BE AS INDICATED.
- PROVIDE AND INSTALL PLUMBING FIXTURE ON UPPER LEVEL AS SPECIFIED. WASTE AND WATER PIPING TO RISE UP THRU FLOOR TO CONNECT TO FIXTURE. REFER TO SHEET P1.1 FOR CONTINUATION OF PIPING BELOW.
- RISE 2" VENT UP FROM BELOW. OFFSET IN SHOP AND EXTEND THRU ROOF AT 3'-0" MINIMUM FROM HIGHER ROOF EDGE.
- UNIT HEATER AND/OR FURNACE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT 3/4" GAS LINE WITH PRESSURE REGULATOR, SHUT-OFF VALVE, AND FLEXIBLE HOSE. REFER TO DETAIL K/P3.1 FOR TYPICAL GAS PIPING TO INDOOR EQUIPMENT.
- INSTALL WATER HEATER ON MEZZANINE FLOOR. PROVIDE DRAIN PAN BELOW WATER HEATER. PIPING DRAIN PAN AND T&P RELIEF VALVE TO FLOOR DRAIN. WATER HEATER TO BE COMPLETE WITH MIXING VALVE, HEAT TRAP NIPPLES, EXPANSION TANK, AND RECIR PUMP. REFER TO DETAIL H/P3.1 FOR TYPICAL WATER HEATER INSTALLATION.
- RISE 1-1/2" VENT UP FROM MAIN LEVEL FIXTURE. (SEE SHEET P1.1) ENLARGE VENT ABOVE UPPER LEVEL CEILING AND EXTEND 2" VENT THRU ROOF. CONNECT UPPER LEVEL FIXTURE VENT ABOVE CEILING.
- RUN 3/4" CONDENSATE DRAIN LINE FROM EACH FURNACE SYSTEM TO NEAREST FLOOR DRAIN. REFER TO DETAILS A/M3.2 OR B/M3.2 FOR TYPICAL PIPING CONNECTIONS TO UP-FLOW AND/OR DOWN-FLOW FURNACES.

08/13/2021

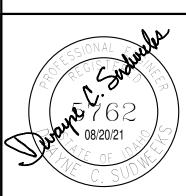
OFFICE BUILDING

PLUMBING PLAN

ARI TWIN FAL

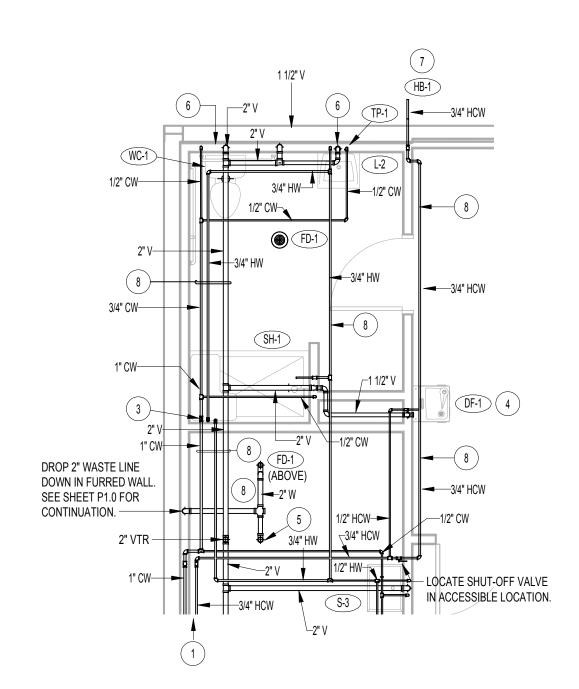
NEW Architecture

Laughlin Ricks



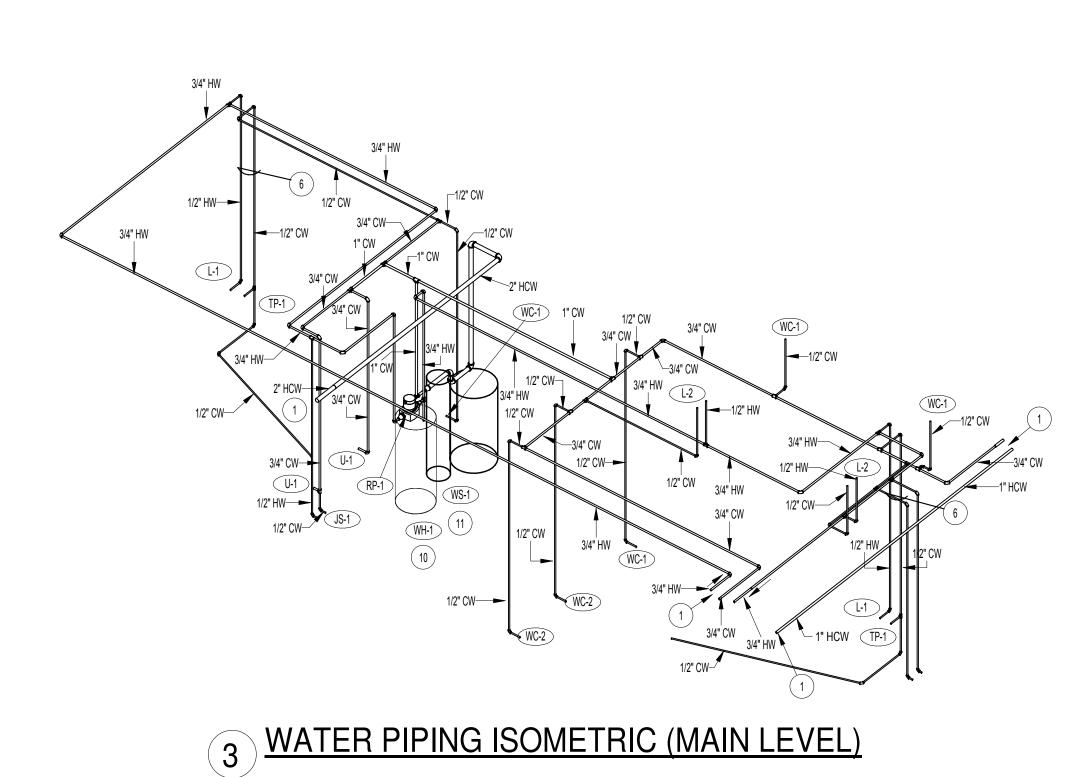


DATE: 08/13/2021 DCS Checked



LARGE SCALE SHOWER ROOM - MAIN LEVEL

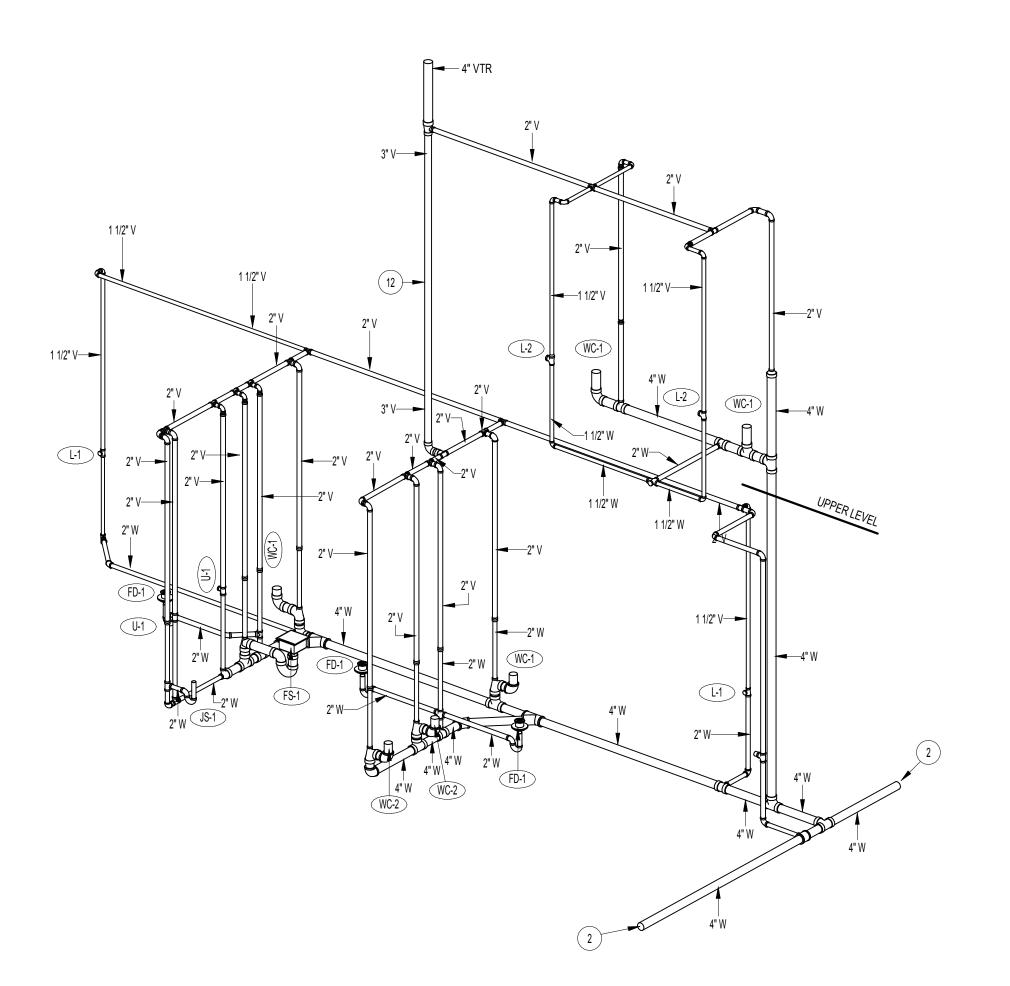
NORTH



- DROP 4" WASTE LINE DOWN IN WALL. SEE SHEET P1.0 FOR CONTINUATION OF WASTE PIPING. RISE 2" VENT UP IN WALL. SEE SHEET **─**3/4" HW P1.2 FOR CONTINUATION OF VENT PIPING. ,—3/4" HW 🔪 MENS RR 1/2" CW 6 (8) ----1" HCW 3/4" HW REFER TO SHEET P1.0 MECHANICAL 3/4" HW——3/4" CW FOR WASTE & WATER LINE BELOW FLOOR.

2 LARGE SCALE TOILET ROOMS - MAIN LEVEL

1/4" = 1'-0"



4 WASTE AND VENT RISER DIAGRAM

PLAN NOTES:

- REFER TO MAIN LEVEL PLUMBING ON SHEET P1.1 FOR CONTINUATION OF
- REFER TO FOUNDATION PLAN ON SHEET P1.0 FOR CONTINUATION OF
- RISE 3/4" COLD WATER (SOFT), 3/4" HOT WATER, AND 3/4" HOT WATER RECIRC. LINES UP THRU MEZZANINE FLOOR AND CONNECT TO WATER HEATER ABOVE. PIPING TO BE LOCATED IN CLOSE PROXIMITY OF WATER HEATER. REFER TO SHEET P1.2 FOR WATER HEATER LOCATION ON
- DROP 1/2" HARD COLD WATER DOWN IN WALL AND CONNECT TO DRINKING FOUNTAIN. RISE 1-1/2" VENT UP IN WALL. OFFSET IN JOIST SPACE AS SHOWN TO CONNECT TO OTHER VENT PIPING.
- RISE 2" VENT PIPING FROM FLOOR DRAIN UP IN RAILING WALL ABOVE. OFFSET VENT PIPING ABOVE FLOOR WHILE STILL IN RAILING WALL ABOVE TO CONNECT TO VENT THRU ROOF.
- DROP WATER LINES DOWN IN FURRED WALL CAVITY FOR FIXTURES. WATER LINES TO BE LOCATED IN SHOP OR IN AN ACCESSIBLE LOCATION ABOVE CEILING. REFER TO DETAIL O/P3.1 FOR TYPICAL INSTALLATION.
- DROP 3/4" 'HARD' COLD WATER LINE DOWN IN WALL FOR HOSE BIBB. HOSE BIBB LENGTH TO SUIT WALL THICKNESS FOR FREEZE PROTECTION. LOCATE SHUT-OFF VALVE IN SHOP FOR EASY ACCESS. REFER TO C/P3.1 FOR TYPICAL INSTILLATION.
- 8) ALL VENT AND WATER PIPING TO BE RUN IN JOIST SPACE OF MEZZANINE FLOOR. COORDINATE PIPING RUNS WITH FLOOR JOISTS, DUCTWORK, ELECTRICAL CONDUITS, AND LIGHT FIXTURES. REFER TO SHEET M1.1 FOR DUCTWORK LOCATIONS.
- GAS FIRED FURNACE TO BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT 3/4" GAS LINE WITH PRESSURE REGULATOR, SHUT-OFF VALVE, AND FLEXIBLE HOSE. REFER TO DETAIL K/P3.1 OR TYPICAL GAS LINE CONNECTION.
-) PROVIDE AND INSTALL ELECTRIC WATER HEATER AS SPECIFIED COMPLETE WITH RECIRC. PUMP, HEAT TRAP NIPPLES, EXPANSION TANK, AND MIXING VALVE. REFER TO DETAIL H/P3.1 FOR TYPICAL
- 1) PROVIDE AND INSTALL SINGLE WATER SOFTNER AND BRINE TANK AS SPECIFIED. CONNECT 2" COLD WATER SERVICE LINE TO BUILDING. REFER TO DETAIL G/P3.1 FOR TYPICAL CONNECTIONS.
- 2) RISE 3" VENT UP IN WALL ABOVE AND EXTEND THRU ROOF. REFER TO UPPER LEVEL PLUMBING PLAN ON SHEET P1.2 FOR LOCATION OF VENT PIPING IN WALL AND VENT THRU ROOF.
- 3) RISE 3/4" GAS LINE (2 PSI) UP WALL AND CONNECT TO OVERHEAD GAS PIPING IN SHOP. REFER TO UPPER LEVEL PLUMBING PLAN ON SHEET P1.2 FOR GAS PIPING IN SHOP AREA.

08/13/2021

14) RUN 3/4" CONDENSATE DRAIN LINE FROM EACH FURNACE SYSTEM TO NEAREST FLOOR DRAIN. REFER TO DETAILS A/M3.2 OR B/M3.2 FOR TYPICAL PIPING CONNECTIONS TO UP-FLOW AND/OR DOWN-FLOW

OFFICE BUILDING NEW

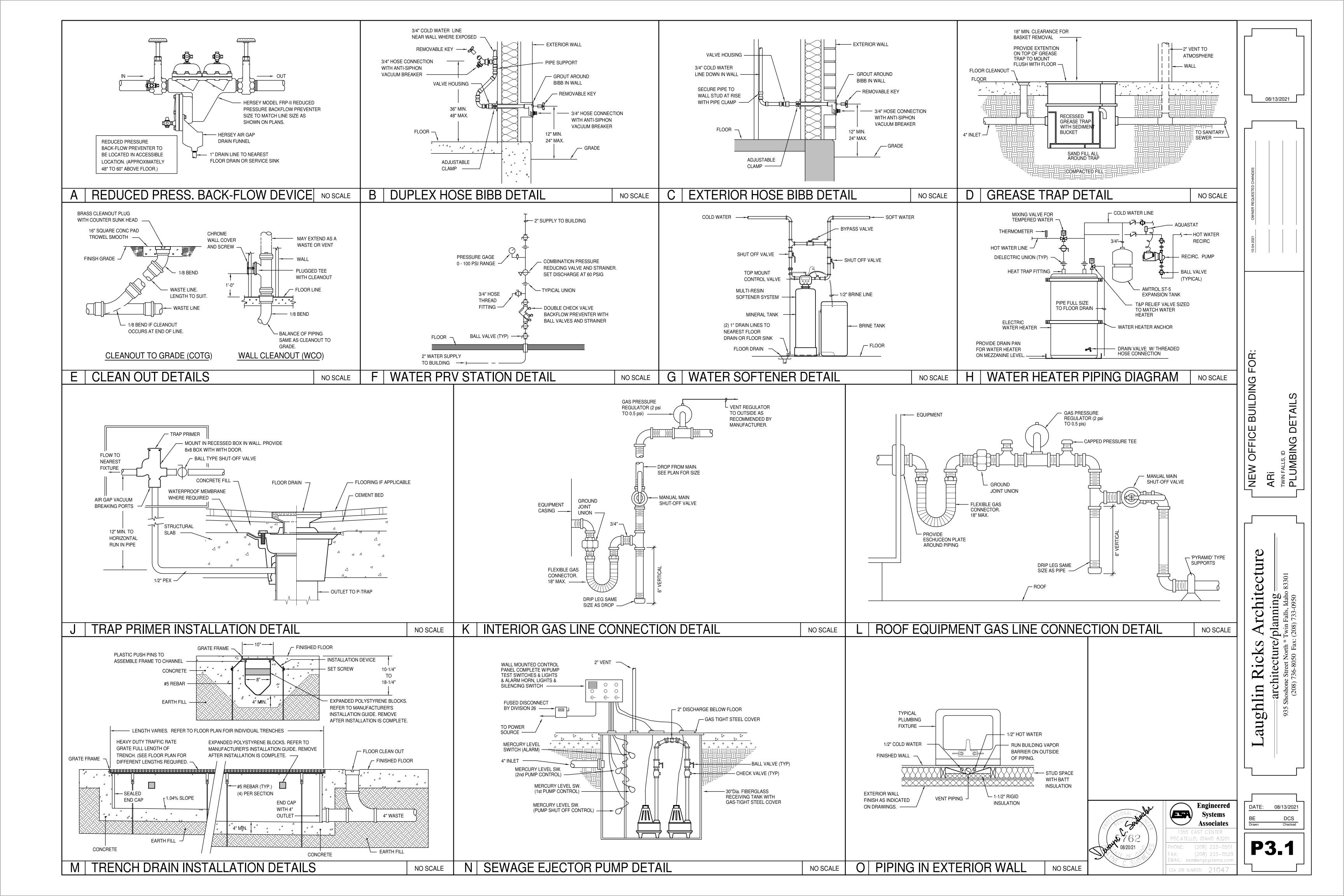
ARI TWIN FALLS, ID LARGE

PLUMBING PLANS

Architecture

Laughlin

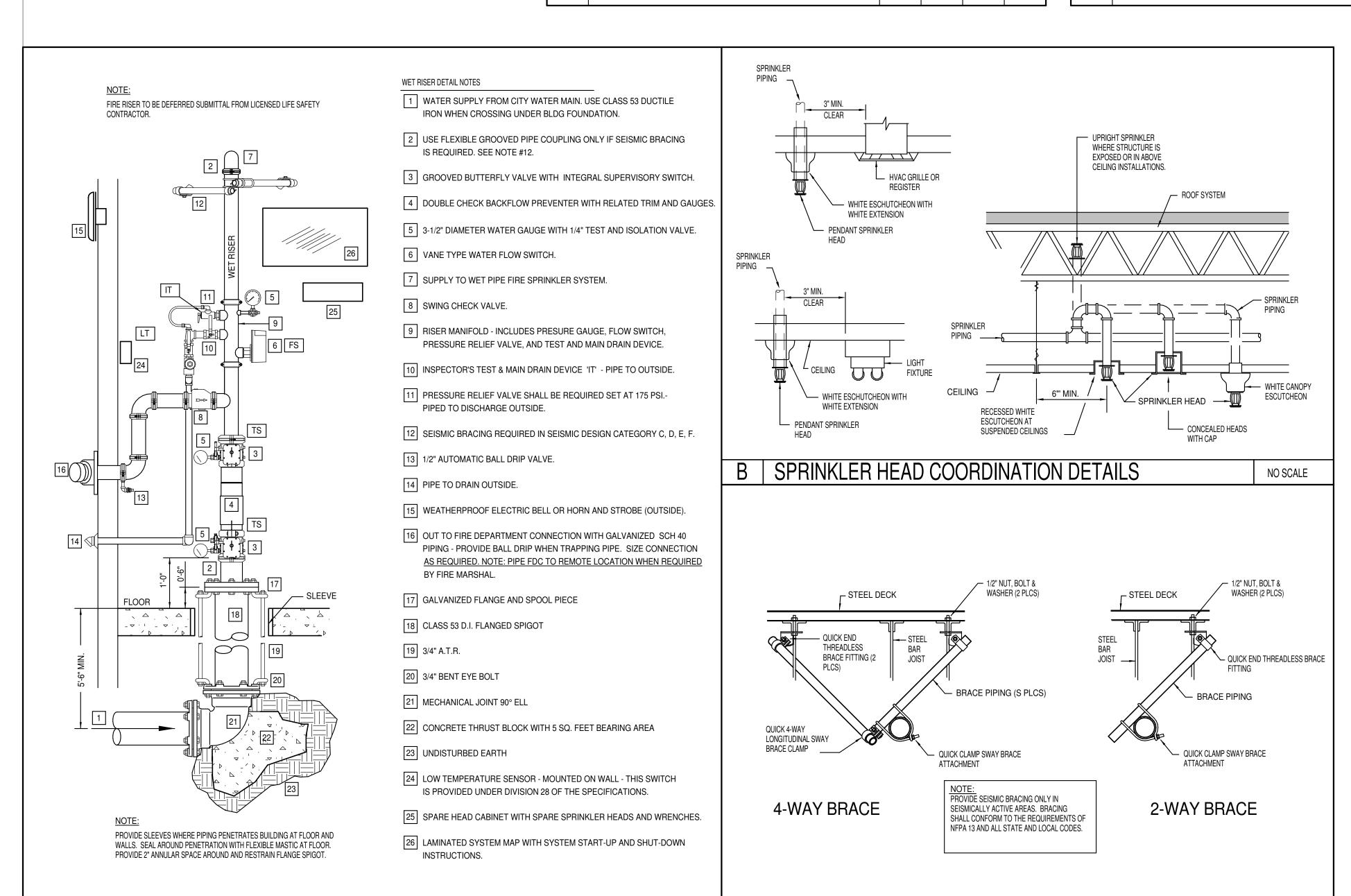
Engineered



	FIXTURE SCHEDUL	.E			
SYM.	DESCRIPTION	НОТ	COLD	WASTE	VENT
WC-1	ADA WATER CLOSET - KOHLER K-3493-0 "HIGHLINE" WITH ELONGATED BOWL, K-4670C OPEN FRONT SEAT, TRIP LEVER HANDLE AND BOLT CAPS.		1/2"	4"	2"
WC-2	WATER CLOSET - KOHLER K-4198-0 "WELLWORTH" WITH ELONGATED BOWL, K-4670C OPEN FRONT SEAT, TRIP LEVER HANDLE AND BOLT CAPS.		1/2"	4"	2"
		2(4)	0/4		
WH-1	50 GALLON ELECTRIC WATER HEATER - A.O.SMITH MODEL PNT-50 WITH 50 GALLON CAPACITY, (2) 4.5 KW - NON-SIMULTANEOUS - ELEMENTS, (208/60/1), 3/4" SUPPLIES AND T&P RELIEF VALVE, THERMAL EXPANSION TANK, HEAT TRAP NIPPLES AND SYMMONS 7-200 MIXING VALVE. PROVIDE 10 YEAR WARRANTY. REFER TO DETAIL H/P3.1 FOR TYPICAL PIPING CONNECTIONS.	3/4"	3/4"		
WS-1	SINGLE WATER SOFTENER - DOMINATOR 980 SERIES, MODEL FP180 WITH 180,000 GRAIN CAPACITY, 2" METERED VALVE, BY-PASS VALVES, SYSTEM CONTROLLER WITH POWER CORD, SINGLE BRINE TANK, 54 GPM CONTINUOUS FLOW AND 68 GPM PEAK FLOW. (120/60/1) RUN 1" DRAIN LINE TO FLOOR SINK. REFER TO DETAIL G/P3.1 FOR TYPICAL PIPING CONNECTIONS.		2"	1"	

	FIXTURE SCHEDUL				
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
SH-1	PRE-FAB ADA SHOWER - LASCO MODEL 6030CFS COMPLETE WITH FOLDING BENCH, GRAB BARS, PRESSURE BALANCING MIXING VALVE, HAND HELD SHOWER HEAD WITH FLEXIBLE HOSE, SOAP DISH, CURTAIN ROD AND SHOWER CURTAIN, PERFORATED STRAINER, AND 2" DEEP SEAL P-TRAP.	1/2"	1/2"	2"	2"
SP-1	DUPLEX SEWAGE PUMP - 30" DIAMETER BY 36" DEEP FIBERGLASS BASIN COMPLETE WITH GAS TIGHT STEEL COVER, WALL MOUNTED ALARM PANEL, FLOAT SWITCH CONTROLS, AND (2) MYERS MODEL MSP50M2-10 SUBMERSIBLE GRINDER PUMPS WITH 1/2 HP MOTORS (208/60/1) WITH 10' POWER CORDS, 2" DISCHARGE LINES, 100 GPM FLOW AT 15' HEAD. REFER TO DETAIL N/P3.1 FOR TYPICAL INSTALLATION.		3/4"		
(TD-1)	58'-0" TRENCH DRAIN - MIFAB T1400 'PROFORMER' TRENCH DRAIN	1/2"	1/2"	1-1/2"	1-1/2"
	COMPLETE WITH PRE-SLOPED SECTIONS AS REQUIRED FOR ENTIRE LENGTH. TO BE COMPLETE WITH END CAPS AND 4" END OUTLET CONNECTION AND CLASS 'C' HEAVY DUTY DUCTILE IRON GRATE. REFER TO DETAIL M/P3.1 FOR TYPICAL INSTALLATION.				
TP-1	SINGLE TRAP PRIMER - ZURN Z-1020XL IN-LINE TRAP PRIMER. MOUNT RECESSED IN WALL BELOW SINK WHERE SHOWN ON PLANS AND PROVIDE LOCKING COVER. RUN 1/2" COLD WATER LINE TO EACH TRAP AS SHOWN ON FLOOR PLANS. REFER TO DETAIL K/P3.1 FOR TYPICAL INSTALLATION.		1/2"		
U-1	URINAL - KOHLER MODEL 4984-T "FRESHMAN" WITH SLOAN ROYAL 111-1.6 FLUSH VALVE WITH SLOAN EBV-89-M SIDE MOUNT OPERATOR, AND WALL CARRIER. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.		3/4"		

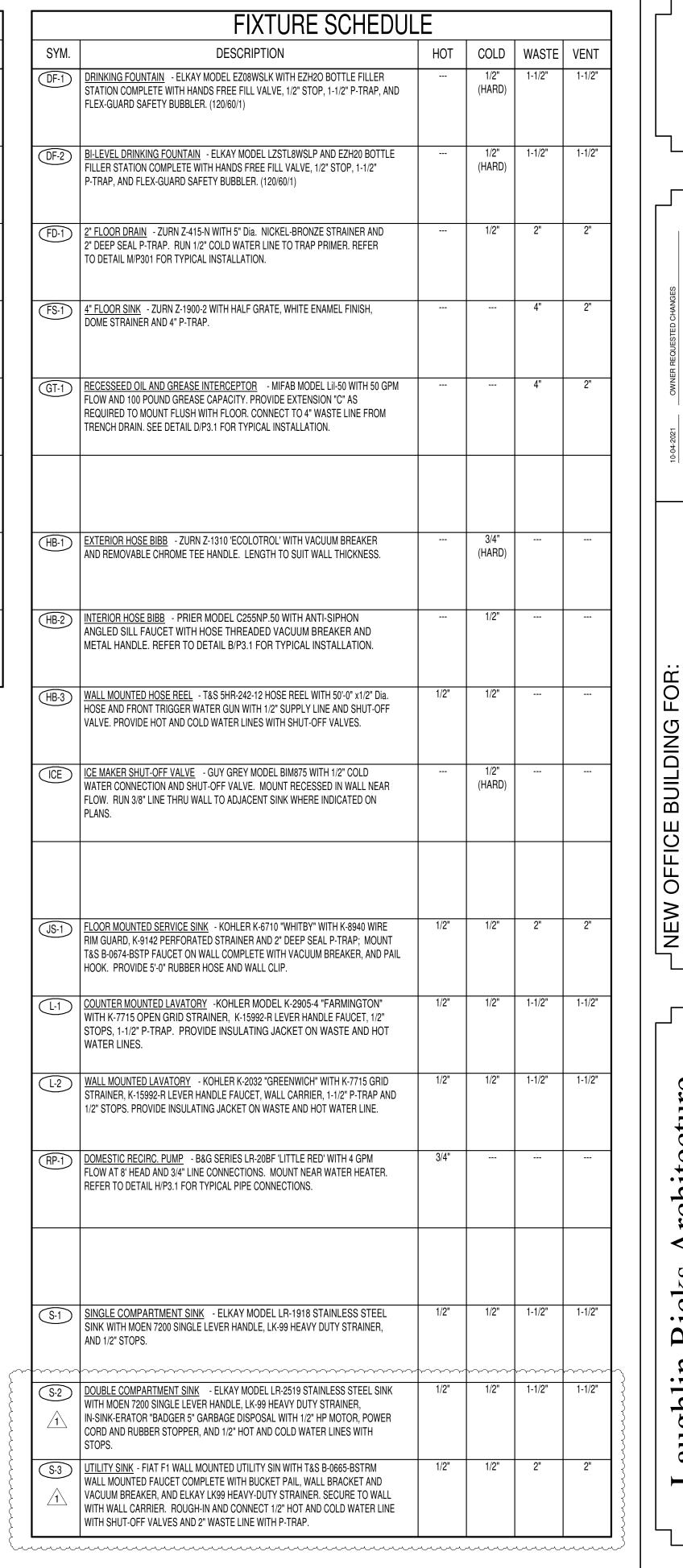
NO SCALE



NO SCALE

C | SEISMIC BRACING DETAILS

VERTICAL FIRE RISER DETAIL





Engineered **Associates**

POCATELLO, IDAHO 83201

DATE: 08/13/2021

08/13/2021

AND DETAILS

MBING SCHEDULE

ARi TWIN FAL PLUN

Architecture

Ricks

aughlin