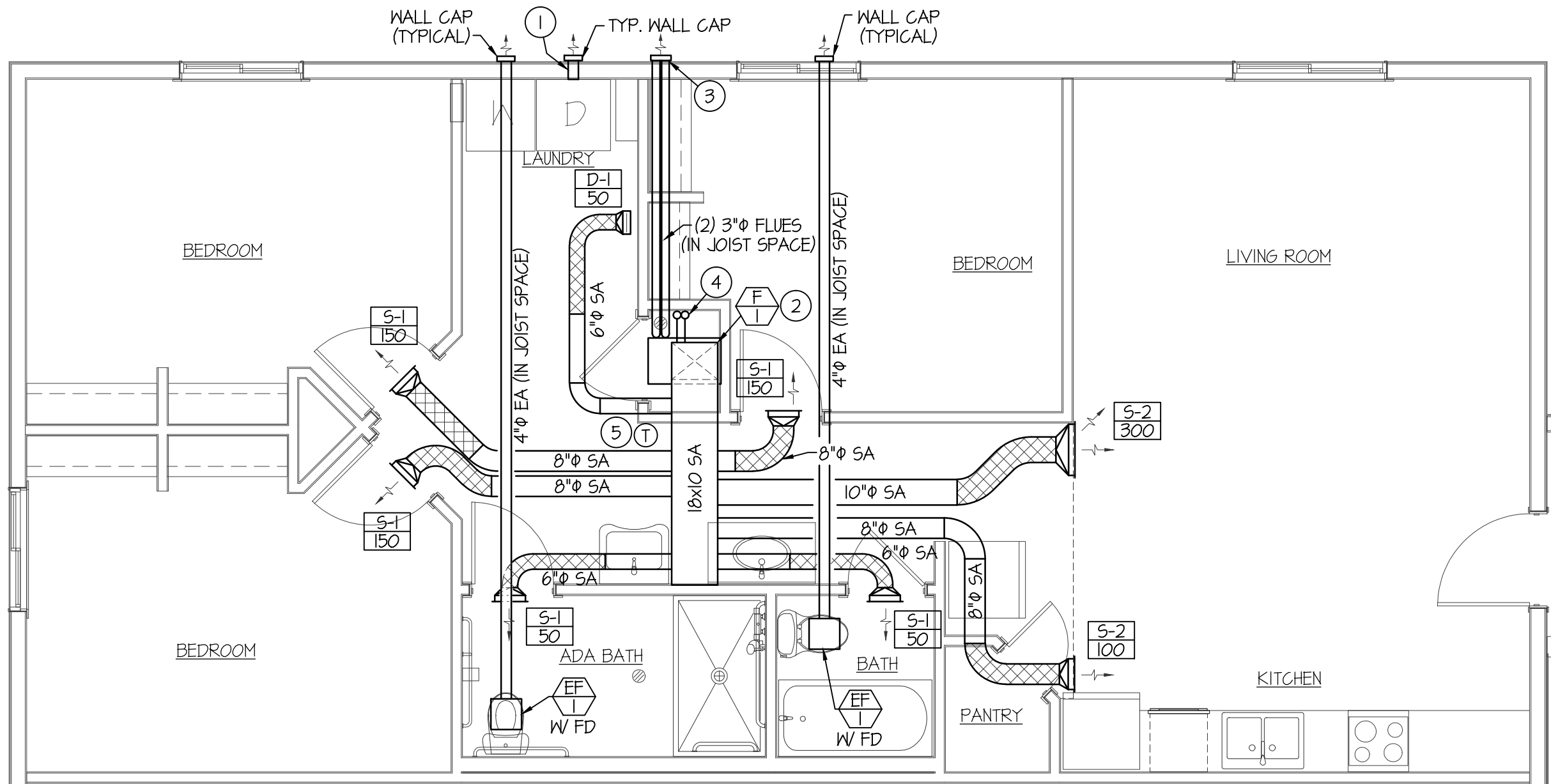


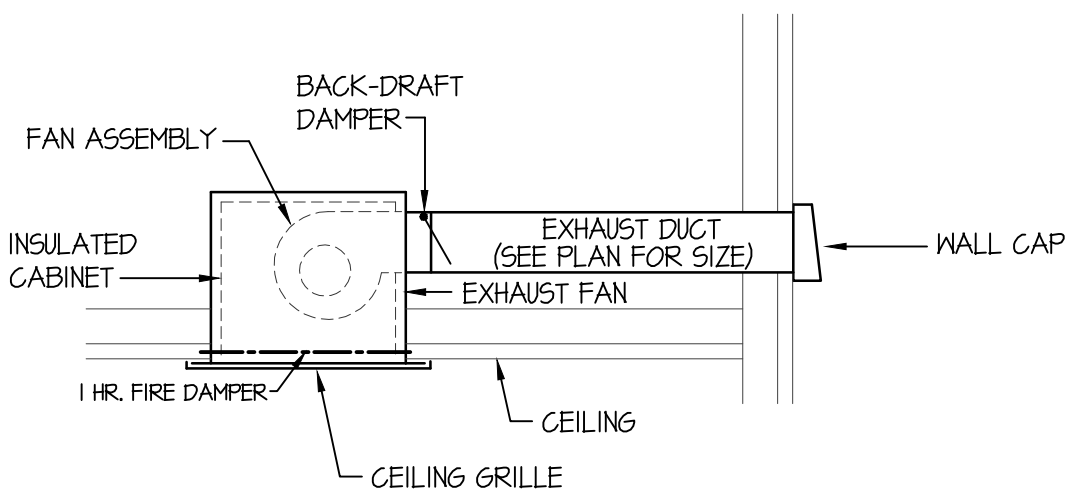
LARGE SCALE TYP. APT.
MECHANICAL PLAN

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



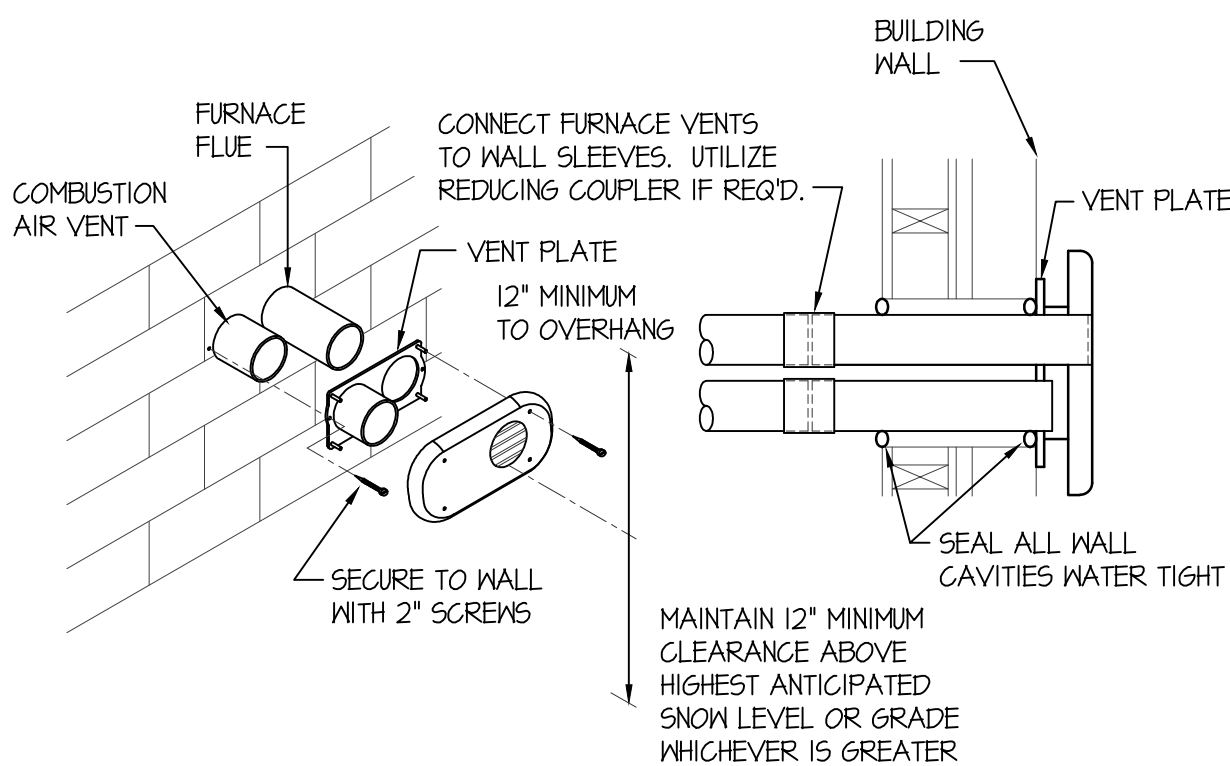
LARGE SCALE TYP. ADA APT.
MECHANICAL PLAN

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



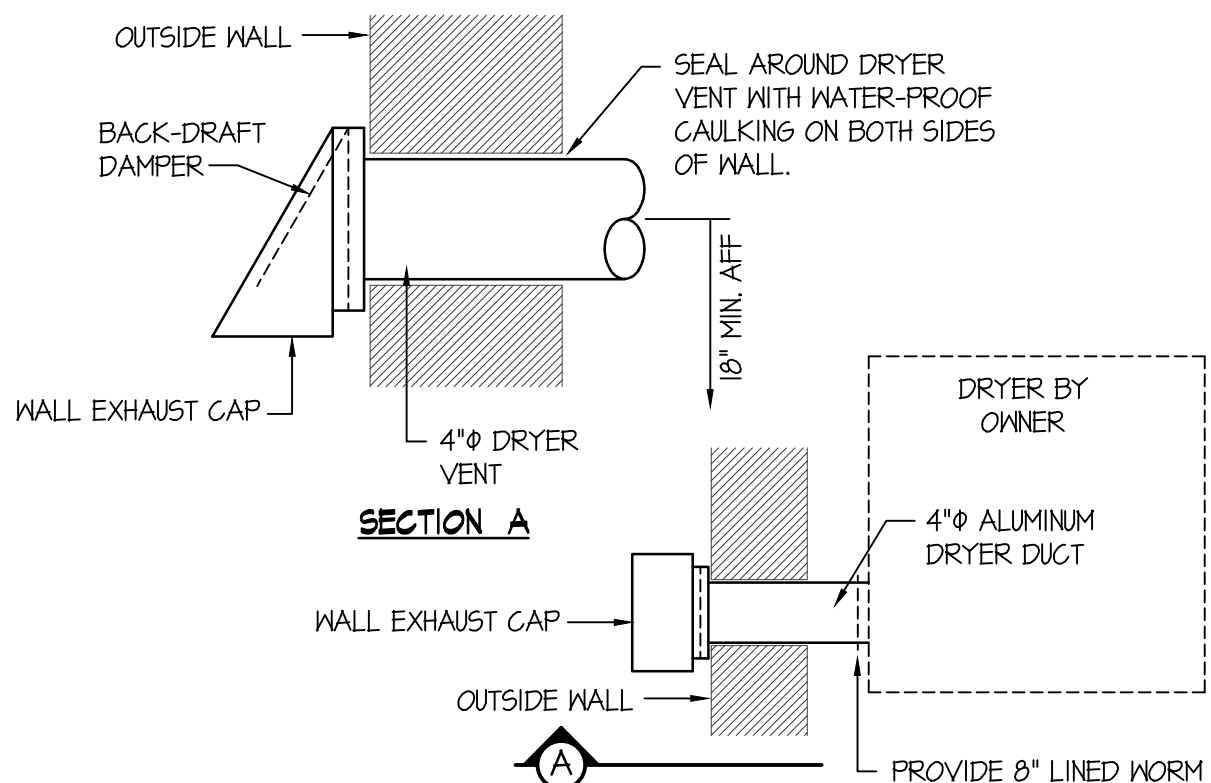
CEILING MOUNTED EXHAUST FAN DETAIL

NO SCALE



FURNACE VENT TERMINATION DETAIL


NO SCALE



DRYER VENT THRU WALL

NO SCALE

FURNACE AND DX COOLING COIL SCHEDULE

FURNACE AND DX COOLING COIL SCHEDULE																							
SYM.	TYPE	G.F.M.	SP _E	SPEED	H.P.	CHAR.	A.G.A.		E.A.T.	L.A.T.	GAS TYPE	DX COOLING COIL				PIPING SIZES				REMARKS			
							INPUT	OUTPUT				⊙ ELEV.	B.T.U.	E.A.T.	L.A.T.	MAX. P.D.	LIQUID	SUCTION	G.D.		NAT GAS	INTAKE	EXHAUST
	UPFLOW	1000	.60"	M-HIGH	1/3	120/60/1	66,000	64,000	52,000	65°F	105°F	NAT	30,000	75°F	55°F	.25"	SEE C. UNIT SCHED.	SEE C. UNIT SCHED.	3/4"	3/4"	2" PVC	2" PVC	LENNOX EL145UH040P36B WITH FULLY CASED R-410A DX COIL TO MATCH FURNACE AND VERTICAL VENT TERMINAL ASSEMBLY.

CONDENSING UNIT SCHEDULE

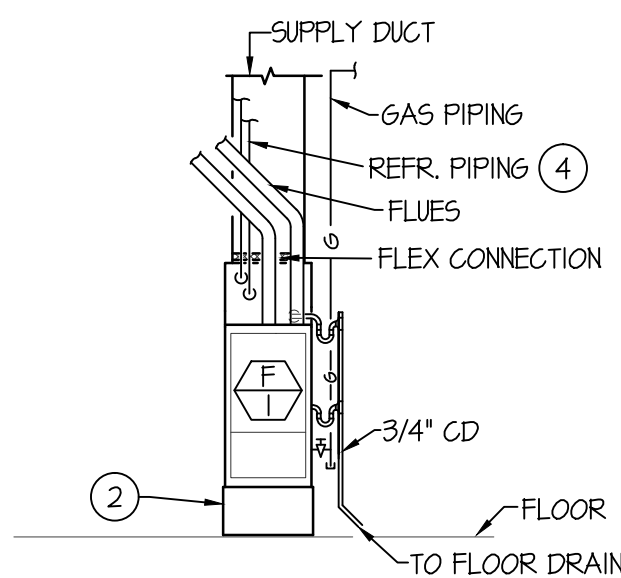
SYM.	BTU	EAT	CHAR.	MCA	MFS	SEER	REFR.	PIPE SIZING		REMARKS
								LIQUID	SUCTION	
	30,000	89°F	240/60/1	18.7	30.0	13.0	R-410A	3/8"	5/8"	LENNOX MODEL 13ACX-030 WITH 0°F LOW AMBIENT HARD START KIT.

GRILLE AND REGISTER SCHEDULE

SYM.	SIZE	THROW	CFM	CONSTR.	FINISH	F.D.	O.B.	(A)	REMARKS
	12 x 6	2 WAY	50-180	STEEL	WHITE	NO	YES		ACCORD MODEL 222 WITH 2-WAY DEFLECTION. MOUNT IN CEILING. PROVIDE TRANSITION BOOT.
	12 x 6	2 WAY	50-180	STEEL	WHITE	NO	YES		ACCORD MODEL 222 WITH 2-WAY DEFLECTION. MOUNT IN SIDEMALL AS HIGH AS POSSIBLE. PROVIDE TRANSITION BOOT.
	20 x 6	2 WAY	200-300	STEEL	WHITE	NO	YES		ACCORD MODEL 222 WITH 2-WAY DEFLECTION. MOUNT IN SIDEMALL AS HIGH AS POSSIBLE. PROVIDE TRANSITION BOOT.
	24x24x12	---	NA	ALUM.	ALUM.	NO	NO		PENN MODEL PENNHOUSE WITH FACTORY ROOF CURB TO MATCH SLOPE OF ROOF AND INSECT SCREEN.
(A) PROVIDE TRANSITION BOOT BEHIND GRILLE AS REQUIRED TO CONNECT TO BRANCH DUCT.									

EQUIPMENT LIST

SYMBOL	DESCRIPTION
	CEILING MOUNTED EXHAUST FAN - BROAN MODEL L100 (50 CFM) WITH 4" DISCHARGE DUCT WITH CEILING GRILLE BACK-DRAFT DAMPER AND EXTERIOR WALL CAP. INSTALL FIRE DAMPER AS SHOWN.
	ELECTRIC HEATER - QMARK MODEL AMH-4404 SEMI-RECESSED WALL MOUNTED HEATER WITH AMH-2 MOUNTING FRAME, INTEGRAL THERMOSTAT CONTROL, 2 KW ELEMENT [208-240/60/1] WITH 6824 BTU/HR.

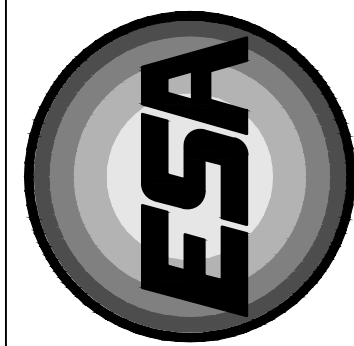


TYPICAL UPFLOW FURNACE
ELEVATION

NO SCALE

PLAN NOTES:

1. INSTALL 4" DRYER VENT THRU WALL TO WALL CAP AS SHOWN. SEE DETAIL ON THIS SHEET.
2. INSTALL FURNACE ON 12" HIGH ANGLE IRON STAND IN MECHANICAL ROOM. LEAVE BOTTOM RETURN OPENING OF FURNACE OPEN TO ROOM TO PROVIDE RETURN AIR THRU DOOR GRILLE.
3. FURNACE FLUE HORIZONTAL TERMINATION. SEE DETAIL ON THIS SHEET.
4. RISE REFRIGERANT PIPING UP IN MECHANICAL ROOM TO CONDENSING UNITS LOCATED ON ROOF. SEE 3RD LEVEL MECH. PLAN ON SHEET M-2 FOR LOCATION OF CONDENSING UNITS ON ROOF.
5. PROVIDE AND INSTALL 7 DAY PROGRAMMABLE THERMOSTAT ON WALL IN LOCATION SHOWN AND CONNECT TO FURNACE.



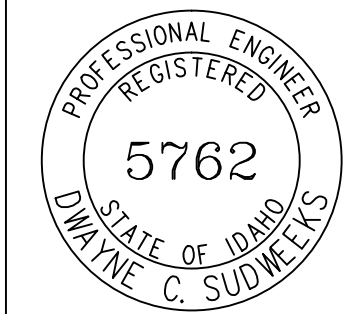
Engineered Systems Associates
Mechanical Engineers

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SAVOYE APARTMENTS
REXBURG, IDAHO

LARGE SCALE MECHANICAL PLANS

PROJECT:



DRWN. BY: SR	CKD. BY: DCS
JOB NO. 171035	DATE: MAY 2017

SHEET:
M-3
OF: THREE

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEKS
DATE ORIGINAL SIGNED: MAY 5, 2017
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCATELLO, IDAHO 83201