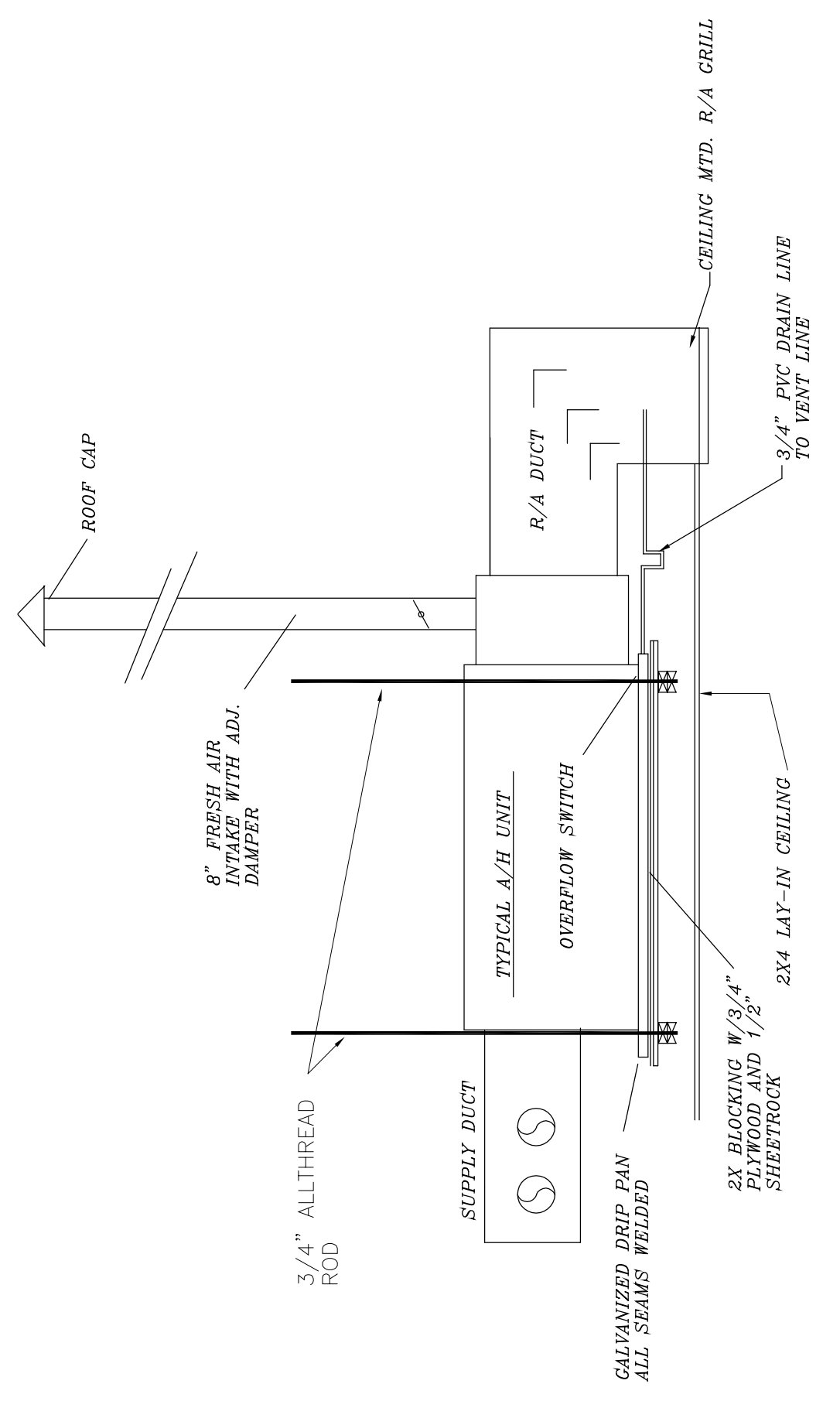


1 MECHANICAL PLAN
 SCALE: 1/4" = 1'-0"

AIR BALANCE SCHEDULE						
UNIT #	UNIT TYPE	MAKE/MODEL	SUPPLY	O.S.A.	% O.S.A.	RETURN EXHAUST PRESSURE
1	5 TON HVAC UNIT	PER AGREEMENT	2000	100	5	1900 + 100
2	5 TON HVAC UNIT	PER AGREEMENT	2000	100	5	1900 + 100
3	3 TON HVAC UNIT	PER AGREEMENT	1000	100	3	900 + 100
4	4 TON HVAC UNIT	PER AGREEMENT	1500	100	4	1400 + 100
5	4 TON HVAC UNIT	PER AGREEMENT	1500	100	4	1400 + 100
	MAKE-UP AIR FAN	AACN RQ-005	1100	1100	100	+ 1100
	GAS OVEN EXHAUST FAN	ACCUREX XRUD-141-VG				- 1100
	RESTROOM EXHAUST FAN	BROAN #671	5100	1300		- 70
	TOTAL					- 1170 + 130

- MECHANICAL NOTES
- ALL R/A DUCTS TO BE SIZED TO PREVENT AIR NOISE
 - ALL SUPPLY DUCTS SHALL HAVE AN ADJUSTABLE DAMPER WHERE THEY LEAVE THE MAIN A/H UNIT AND AT EACH TRUNK LINE
 - THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE SYSTEM TO ACHIEVE CFM RATINGS SHOWN.
 - ALL THERMOSTATS SHALL BE TAMPER PROOF.
 - MAY BE RUN FROM SQUARE DUCT TO THE INTERIOR. FLEX DUCT TO BE CONNECTED TO CONDENSATE DRAIN LINE FROM GALVANIZED DRAIN PAN TO PLUMBING VENT STACK FOR EACH A/H UNIT INSULATE W/1/2" ARMAFLEX
 - CONNECT 3/4" CONDENSATE DRAIN LINE FROM GALVANIZED DRAIN PAN TO PLUMBING VENT STACK IN ALL DRAIN PANS.
 - INSTALL FLOAT SWITCH IN R/A CHAMBER AT EACH R/A GRILL.
 - PROVIDE 125 DEG. FIRESTAT IN R/A CHAMBER AT EACH R/A GRILL.
 - ALL RETURN AIR GRILLS TO BE FILTER BACK-LAY-IN TYPE.
 - INSTALL SMOKE DETECTORS TO AUTOMATICALLY STOP THE FAN IN HVAC DUCT SYSTEMS 2,000CFM AND OVER IN R/A DUCT.
 - A/C UNIT #1 & #2 TO BE HORIZONTAL 5 TON, (60000) BTU COOLING
 - A/C UNIT #3 TO BE HORIZONTAL 3 TON, (36000) BTU COOLING
 - A/C UNIT #4 & #5 TO BE HORIZONTAL 4 TON, (48000) BTU COOLING
 - RUN BATHROOM EXHAUST VENT PIPE UP TO ROOF VENT.
 - VENTILATION COMPLYS WITH ASHRAE 62-1998
 - ALL RULES OF LATEST EDITION OF NFPA 90A, LOCAL MECHANICAL CODE, LOCAL PLUMBING CODE AND NEC APPLY AS MINIMUM FOR THIS PROJECT



2 MECHANICAL RISER DIAGRAM
 NOT TO SCALE