



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

LEGEND

- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- EXHAUST FAN LIGHT COMBO (EACH FAN TO HAVE A BACKFLOW PREVENTER)
- SUPPLY AIR DUCT
- RETURN AIR DUCT
- OUTSIDE AIR INTAKE DUCT
- ROUND FLEX DUCT, MAX. LENGTH 12'-0", MIN. R.G. PROVIDE MAN. DAMPER AT DIFFUSER CONNECTIONS. DUCT SIZE AS FOLLOWS:
300CFM TO 399CFM = 8"
200CFM TO 299CFM = 6"
100CFM TO 199CFM = 5"
- AC CONDENSING UNIT MOUNTED ON ROOF, SEE ROOF PLAN
- AHU UNIT
- CONTROL DAMPER
- FIRE DAMPER
- THERMOSTAT

NOTE-1: MECHANICAL PLAN IS DRAWN DIAGRAMATIC. DUCT LOCATIONS ARE FOR REFERENCE ONLY. FIELD LOCATE AS NEEDED BETWEEN JOISTS OR TRUSSES. INSTALL FIRE DAMPER AT ANY LOCATION WHERE DUCT PENETRATES A FIRE WALL OR CEILING. ANY EXHAUST FAN FIXTURE INSTALLED IN A RATED CEILING SHALL BE RATED FOR THAT CEILING. REFER TO MECHANICAL NOTES # DETAILS ON SHEET M-2 FOR FURTHER INFORMATION.

NOTE-2: COORDINATE LOCATION OF ALL SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES, EXHAUST FANS, ETC... WITH LIGHTING PLAN.

EXHAUST FAN SCHEDULE					
FAN No.	CFM	VOLTAGE	TYPE	MANUFACTURER	
EF-1	70	120	VENT/LIGHT	BROAN 744, SEE WOODHOUSE SPECS.	
EF-2	70	120	VENT/LIGHT	BROAN 744, SEE WOODHOUSE SPECS.	
EF-3	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.	
EF-4	70	120	VENT/LIGHT	BROAN 744, SEE WOODHOUSE SPECS.	
EF-5	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.	
EF-6	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.	
EF-7	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.	

NOTE: ALL EXHAUSTS TO HAVE BACKFLOW PREVENTERS.

A/C UNIT SCHEDULE TOTAL HVAC TONS = 20							
NO.	TOTAL BTU	CFM	O.A.	ELECTRICAL		MANUFACTURER	
				VOLTAGE	MCA		CKT BRKR
1	60,000 5 TON	2,000	100	208V, 1Ø	34.6	MDP-2,4	TRANE OR EQUAL
2	60,000 5 TON	2,000	100	208V, 1Ø	34.6	MDP-6,8	
3	60,000 5 TON	2,000	100	208V, 1Ø	34.6	MDP-10,12	
4	60,000 5 TON	2,000	100	208V, 1Ø	34.6	MDP-34,36	

AHU UNIT SCHEDULE TOTAL HVAC TONS = 20								
NO.	TOTAL BTU	CFM	O.A.	HEAT ELEC.	ELECTRICAL		MANUFACTURER	
					VOLTAGE	MCA		CKT BRKR
1	60,000 5 TON	2,000	100	15 KW	208V, 1Ø	48/22	MDP-1,3	TRANE OR EQUAL
2	60,000 5 TON	2,000	100	15 KW	208V, 1Ø	48/22	MDP-5,7	
3	60,000 5 TON	2,000	100	15 KW	208V, 1Ø	48/22	MDP-9,11	
4	60,000 5 TON	2,000	100	15 KW	208V, 1Ø	48/22	MDP-13,15	

#	DESCRIPTION	DATE
1	REVISION #1	5/23/2013
2	REVISION #2	7-22-13

