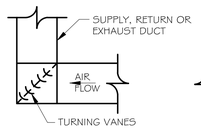
A/C CONDENSER UNIT SCHEDULE TOTAL HVAC TONS = 6						
NO.	TOTAL BTU	TOTAL TONNAGE	ELECTRICAL			MANUFACTURER
			VOLTAGE	MCA	CKT BRKR	
1	48,000	4 TON	120/240 1Φ	25	HP-1,3	TRANE OR EQUAL
2	24,000	2 TON	120/240 1Φ	12	HP-5,7	

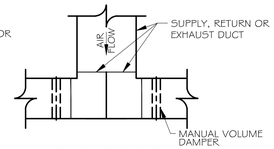
A/C AIR HANDLING UNIT SCHEDULE TOTAL HVAC TONS = 6								
NO.	TOTAL BTU	CFM	O.A.	HEAT ELEC.	ELECTRICAL			MANUFACTURER
					VOLTAGE	MCA	CKT BRKR	
1	48,000	1,600	75	10 kw	120/240 1Φ	53	HP-2,4	TRANE OR EQUAL
1	24,000	800	31	8 kw	120/240 1Φ	52	HP-6,8	

NOTE: ALL AIR HANDLING UNITS TO HAVE A SINGLE-POINT CONNECTION FOR THE BLOWER & HEATING ELEMENT.

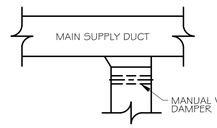
FRESH AIR REQUIREMENTS PER IMC 2009 TABLE 403.3					
AREA NAME	SF	OCC/ 1000 SF	CFM/ OCC	CFM/ SF	TOTAL OA
ZONE-1	1676	3.0	15.0	-	75
ZONE-2	698	3.0	15.0	-	31



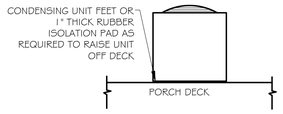
SQUARE ELBOW DETAIL
N.T.S.



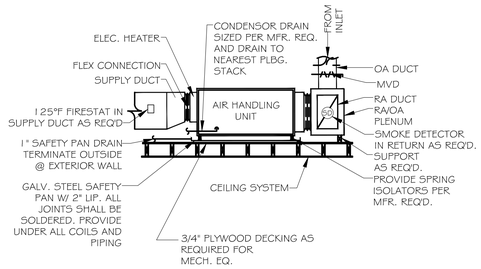
DUCT SPLITTER DETAIL
N.T.S.



SUPPLY DUCT TAKE-OFF DETAIL
N.T.S.



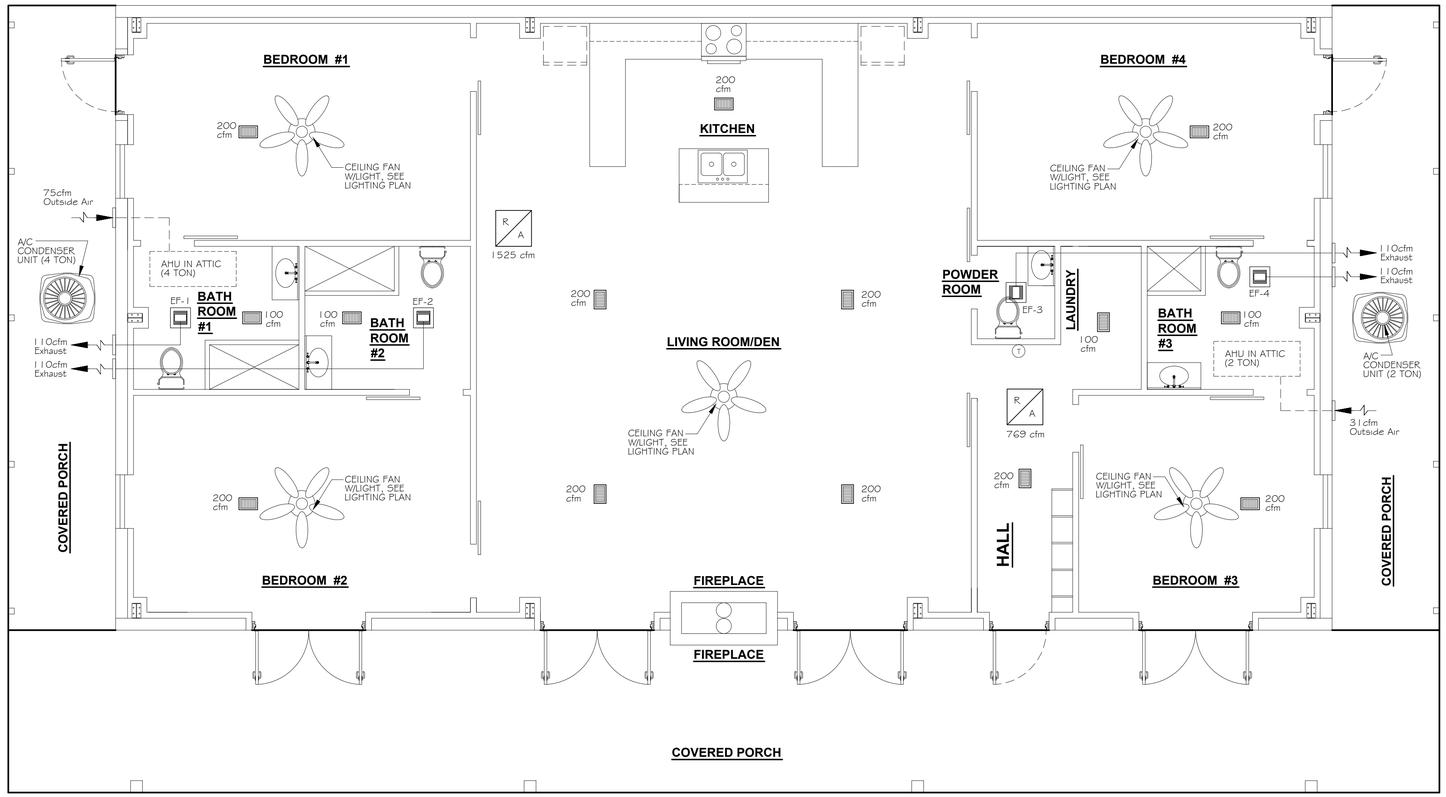
CONDENSING MOUNTING DETAIL
N.T.S.



TYPICAL HORIZONTAL AHU DETAIL

LEGEND

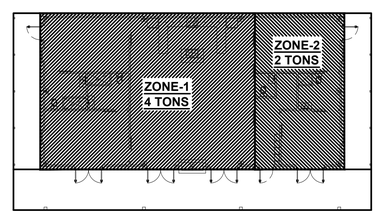
- INDICATES NEW CEILING DIFFUSER CFM AS NOTED
- R/A - INDICATES NEW 24x24 RETURN AIR CEILING GRILLE. TRANSFER DUCT TO BE RECTANGULAR AS INDICATED
- MECHANICAL EXHAUST VENT/LIGHT COMBO FIXTURE
- T - DIGITAL THERMOSTAT
- CONDENSOR UNIT
- AHU IN ATTIC - AIR HANDLING UNIT
- OUTSIDE AIR
- EXHAUST AIR



MECHANICAL NOTES

1. SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND REQUIREMENTS OF LOCAL UTILITY OFFICIALS. DESIGN ENGINEER SHALL PREPARE CALCULATIONS FOR EQUIPMENT SIZING, DUCT SIZING, ACCESSORY ARRANGEMENT, ETC., AND SHALL PREPARE FINAL DRAWING ACCORDINGLY.
2. FURNISH ALL DUCT WORK, CONTROL WIRING, PIPING, FITTINGS, ACCESSORIES, ETC, FOR COMPLETE INSTALLATION.
3. INSULATE ALL HEATING OR CONDENSER WATERLINES IN UN-INSULATED SPACES W/TUBULAR FOAM INSULATION. INSULATION SHALL BE OF SELF SEALING TYPE OR SHALL BE TAPED CLOSED W/FOIL FACED TYPE.
4. CLOSELY COORDINATE WORK WITH ALL OTHER TRADES. MAINTAIN CEILING HEIGHTS AND DUCT SPACES PROVIDED.
5. ALL VALVES, DAMPERS AND OTHER CONTROL DEVICES SHALL BE ACCESSIBLE FOR OPERATION AND MAINTENANCE THROUGH ACCESSIBLE CEILINGS OR THROUGH ACCESS DOORS OR PANELS MANUFACTURED FOR SUCH PURPOSES.
6. ALL UNITS ABOVE CEILING SHALL HAVE AUXILIARY DRAIN PANS INSTALLED BELOW ENTIRE UNIT.
7. COORDINATE WITH ELECTRICIAN CONCERNING ITEMS REQUIRING ELECTRICAL SERVICE SUCH AS CONDENSING UNITS, AIR-HANDLING UNITS, CONDENSATE PUMPS, MOTORIZED DAMPERS, ETC. COORDINATE SERVICE AND AMPACITY REQUIRED.
8. THE BUILDER SHALL TEST PRESSURE-REDUCING VALVES, T&P RELIEF VALVES AND OTHER SAFETY DEVICES PRIOR TO OPERATING SYSTEM. THE BUILDER SHALL TEST AND BALANCE ALL SYSTEMS PRIOR TO COMPLETION OF THE WORK.

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



ZONE KEY PLAN
N.T.S.

DAMMON ENGINEERING, INC.
Architects & Engineers
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5990
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

PRELIMINARY NOT FOR CONSTRUCTION

A MULTI-USE BUILDING FOR
THE HINES PROPERTY IN
HANCOCK COUNTY
MISSISSIPPI
1084 JOHN MAGER ROAD
PORLARVILLE, MS 39470

All plans & designs as instruments of service, shall be and remain the property of Dammon Engineering, and are not to be used in any way without the permission of Dammon Engineering, and are not to be changed or altered in any way. Visual contact with these plans & designs shall constitute prima facie evidence of acceptance of these restrictions.

DRAWN BY:	JOB No:	DATE:	CHECKED BY:
JTL	2216	12-10-14	CKD

SHEET TITLE:
MECHANICAL PLAN

DRAWING NUMBER:
M1

SHEET No: -- of -