SPLIT SYSTEM HEAT PUMP SCHEDULE

AIR HANDLER																HEAT PUMP					
TAG	AREA SERVED	TRANE MODEL NO.	NOMINAL TONS	TOTAL CFM	OA CFM	COOLING				Motor HP	ESP (" WC)	HEAT	POWER			TAG	TRANE MODEL NO.	POWER			REMARKS
						TMBH	EDB	EWB	CIRCUITS			KW	VAC	PH	MCA			VAC	PH	MCA	
AC-A	Chapel	TWE07243B	6	2160	610	78.8	81.7	70.9	2	1/2	0.4	7.5	208	3	33	CU-A	TWA0724 3D	208	3	27	1, 2, 3, 4

NOTES:
1 Provide inlet filter box, single point power connection, expansion valve, crankcase heat, time delay relay, condensate overflow switch & programmable 7/24 thermostat with lockable cover.
2 Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3 Install units in accordance with manufacturer's recommendations.
4 Provide new filters after commissioning and final acceptance.

SPLIT SYSTEM AIR CONDITIONING SCHEDULE

AIR HANDLER																CONDENSER					
TAG	AREA SERVED	TRANE MODEL NO.	NOMINAL TONS	TOTAL CFM	OA CFM	COOLING			Motor HP	ESP (" WC)	HEAT	POWER			TAG	TRANE MODEL NO.	POWER			REMARKS
						TMBH	EDB	EWB			KW	VAC	PH	MCA			VAC	PH	MCA	
AC-1	Owner's Office Area	TEM3A0B36	3	800	80	30.9	88.8	68.6	1/2	0.3	3.6	208	1	25	CU-1	4TTR5036E1	208	1	19	1, 2, 3, 4
AC-2	Merch & Viewing	TEM3A0C60	5	1670	310	56.9	80.2	68.8	3/4	0.4	5.8	208	1	45	CU-2	4TT5060E1	208	1	34	1, 2, 3, 4
AC-3	Viewing / IDS Coffee Area	TEM3A0B36	3	1080	200	35	80	69.9	1/2	0.4	3.6	208	1	25	CU-3	4TTR5036E1	208	1	19	1, 2, 3, 4
AC-4	Lobby	TEM3A0C60	5	1670	310	58.6	79.8	68.2	3/4	0.4	7.2	208	1	60	CU-4	4TT5060E1	208	1	34	1, 2, 3, 4
AC-5	Holding & Dressing	TEM3A0C48	4	1410	610	46.3	83.5	73.1	1/2	0.4	5.8	208	1	38	CU-7	4TTR5048E1	208	1	26	1, 2, 3, 4

NOTES:
1 Provide inlet filter box, single point power connection, expansion valve, crankcase heat, time delay relay, condensate overflow switch & programmable 7/24 thermostat with lockable cover.
2 Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3 Install units in accordance with manufacturer's recommendations.
4 Provide new filters after commissioning and final acceptance.

REPLACE (REF. E-MAIL)

Exhaust Fan Schedule

Tag	Fan				Power			Make / Model	Remarks
	Airflow (CFM)	TSP (" wc)	Watts	RPM	Volts	Phase	Hz		
EF-1	100	0.05	72	2250	120	1	60	Air King BFQ110	1, 2
EF-2	360	0.1	94	1620	120	1	60	Fan Tech FG-10EC	2, 3
EF-3	200	0.1	57	932	120	1	60	Air King AK200LS	1, 2

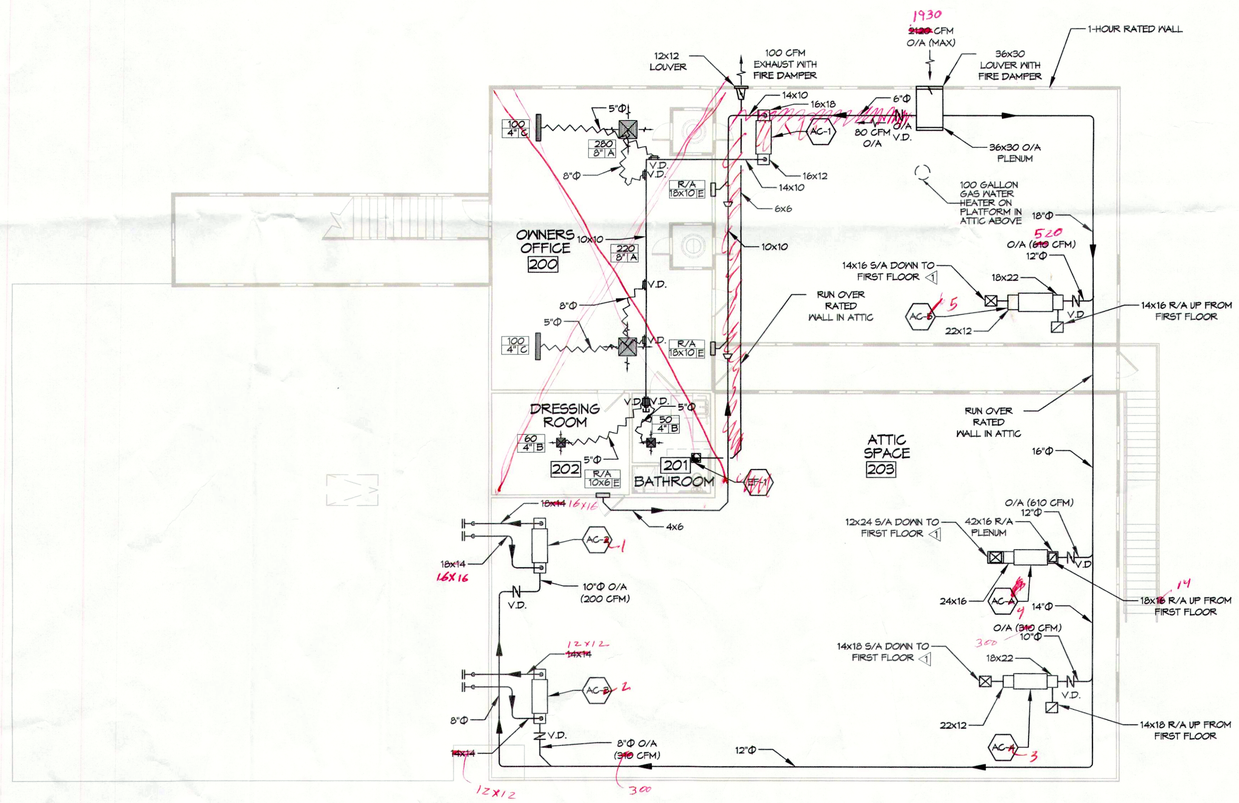
1. Interlock with light switch
2. Install per Manufacturer's recommendations.
3. Furnish with speed control and backdraft damper.

DIFFUSER SCHEDULE

Mark No.	Service	Neck Size	Description
A	Supply Air	Ref. Plan	24""x 24" Square Pattern Plaque, Titus "Omni" or equal
B	Supply Air	Ref. Plan	12""x 12" Square Pattern Plaque, Titus "Omni" or equal
C	Supply Air	Ref. Plan	48" Linear Slot w/ two 1/2" slots, Titus "ML-37" or equal
D	Return Air	Ref. Plan	12" x 12" Perforated Face Return, Titus "PAR" or equal
E	Return Air	Ref. Plan	R/A Grille, Titus "350RL" or equal
F	Supply Air	Ref. Plan	Double Deflection S/A Register, Titus "112-RS" or equal

1. Coordinate with Architect / Owner for colors and finish.

REPLACE (REF. E-MAIL)



24 SECOND FLOOR MECHANICAL PLAN
SCALE: 1/8"=1'-0"

MECHANICAL HVAC NOTES

1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE UL LISTED 125 °F FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
10. ALL RESTROOM EXHAUST FAN(S) SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
11. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
12. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
13. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
14. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E8-14).
15. ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY, CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
16. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0".
17. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
18. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
19. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJS. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR, IF REQUIRED.
20. FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
21. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
22. CONTRACTOR SHALL PROVIDE A MEANS FOR ATTIC VENTILATION FOR THE MOVEMENT OF AIR ABOVE DROP CEILING(S) EITHER BY MECHANICAL VENTS OR POWER VENTS.

LEGEND

- RETURN & SUPPLY GRILLE
- SUPPLY GRILLE
- RETURN GRILLE
- VOLUME DAMPER
- FIRE DAMPER

OLD

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#	DESCRIPTION	DATE

REVISIONS

SEAL: STATE OF LOUISIANA — BRIAN A. MISTICH — License No. 30187 — PROFESSIONAL ENGINEER

NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DONNIMAN ROAD
NEW ORLEANS, LA

JOB No: 2396 | DATE: 10-10-2014
DRAWN BY: RLD | CHECKED BY: CKD

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SHEET TITLE:
MECHANICAL SECOND FLOOR PLAN, SCHEDULES & DETAILS

DRAWING NUMBER:
M102

SHEET No: 17 of # 23