

FRESH AIR REQUIREMENTS PER IMC 2003, TABLE 403.3				
ROOM NUMBER	SQUARE FEET	OCCUPANTS	CFM O.A. / OCC.	TOTAL REQ. O.A. (cfm)
A/C#1 - 18 TON				
100	296	18	15	270
101	185	11	15	165
102	154	1	20	20
103 (NOT USED)	-	-	-	-
CORRIDOR 104	299		0.05 cfm / sq ft	15
HALL 105	55		0.05 cfm / sq ft	3
106a, b, c			100cfm / W.C.	200
107			100cfm / W.C.	100
108	267	2	20	40
109	200	2	20	40
110	400	20	20	400
111	140	1	20	20
112	135	1	20	20
113	140	1	20	20
114	120	1	20	20
115	226	5	20	100
116			100cfm / W.C.	100
117	73		0.05 cfm / sq ft	4
118	93	1	20	20
119	94	1	20	20
ALCOVE 120	77		0.05 cfm / sq ft	4
CORRIDOR 121	334		0.05 cfm / sq ft	17
122	60	4	20	80
123	99	1	20	20
124	99	1	20	20
125	99	1	20	20
126	99	1	20	20
127	99	1	20	20
128	99	1	20	20
129	99	1	20	20

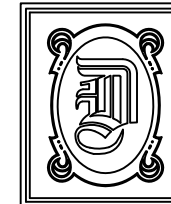
AIR BALANCE SCHEDULE					
	A/C-1	EF-1	EF-2	EF-3	EF-4
SUPPLY AIR FLOW (CFM)	6000				
OUTSIDE AIR FLOW (CFM)	1818				
RETURN AIR FLOW (CFM)	4182				
EXHAUST AIR FLOW (CFM)		100	100	100	100
BUILDING PRESSURE (CFM)	+1818	-100	-100	-100	-100
QUANTITIES	1	1	1	1	1
TOTAL PRESSURIZATIONS	+1818	-100	-100	-100	-100
REMARKS					
RESULTING BUILDING PRESSURIZATION (CFM) = +1418					

MECHANICAL NOTES

1. CONCEALED DUCTWORK TO BE UL-181, CLASS 1, FIBERGLASS DUCTBOARD. DUCTS SHALL BE SIZED TO LIMIT MAIN DUCTS TO 1000 CFM & SECONDARY DUCTS TO 800 CFM. TO BE INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL PER SMACNA STANDARDS. LINE WITH NEOPRENE COATED 1.0" 1.5 POUNDS PER CUBIC FOOT DUCT INSULATION.
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. WHERE MULTIPLE AIR-HANDLING SYSTEMS SHARE COMMON SUPPLY OR RETURN AIR DUCTS OR PLENUMS WITH A COMBINED CAPACITY GREATER THAN 2000 CFM, THE RETURN AIR SYSTEM SHALL BE PROVIDED WITH SMOKE DETECTORS IN ACCORDANCE WITH IMC '06 SEC. 606.2.1.
7. PROVIDE U.L. RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
10. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
11. EXHAUST FAN EQUAL TO BROAN MODEL NO. 100 CF. OR EQUAL. FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCH. DWGS.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
17. 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).
18. MECHANICAL PLANS ARE DRAWN SCHEMATICALLY. CONTRACTOR TO ROUTE DUCT SYSTEMS PER FIELD CONDITIONS.
19. AREA OF REFUGE SHALL BE DESIGNED IN ACCORDANCE WITH NFPA 92A. TO INCLUDE STAIRWELL PRESSURIZATION SYSTEMS. PROVIDE PROPER ACTIVATION AND CONTROL SYSTEMS.
20. PROVIDE POWER SUPPLY AND MAX. OVERCURRENT DEVICE PER MANUFACTURERS SPECIFICATION FOR ALL UNITS.

CONTRACTOR NOTES

1. PROVIDE ELEC. DISCONNECT, MAINTENANCE OUTLET, AND LIGHT AT EACH AIR HANDLER LOCATION.
2. INSTALL ALL MECHANICAL EQUIPMENT PER MANUFACTURER REQUIREMENTS.
3. INSTALL ALL DUCT WORK ABOVE CEILING AS SHOWN, MAKE ADJUSTMENTS PER FIELD REQUIREMENTS.
4. PROVIDE ONE OUTDOOR SERVICE OUTLET WITHIN 10' OF EACH CONDENSER UNIT.
5. COORDINATE MECHANICAL PLANS WITH ARCHITECTURAL, ELECTRICAL, AND PLUMBING PLANS.



**DAMMON
ENGINEERING, INC.**

CHIEF ENGINEER
EMMETT
DAMMON, P.E.

CHIEF ARCHITECT
ROBERT
WILTSE

1095 FLORIDA AVENUE
SUDELL, LA. 70458
OFFICE: 985-649-5832
FAX: 985-641-5950

WEBSITE:
WWW.DAMMONENGINEERING.COM

EMAIL:
DAMMONENG@BELLSOUTH.NET

ARCHITECTURE

ENGINEERING

STUDIES

PLANNING

INVESTIGATION

EXPERT WITNESS

SOUTHEAST
LOUISIANA
VETERAN'S
HEALTH CARE
SYSTEM

SUITE C
MECHANICAL
NOTES

REV:

SCALE: AS NOTED

JOB#: 2011

DATE: 03-20-09

SHEET 10

M-2

OF 14