

UNIT B- MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

**FRESH AIR REQUIREMENTS PER  
IMC 2003, TABLE 403.3**

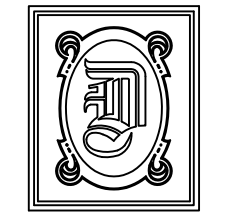
ROOM NUMBER	SQUARE FEET	OCCUPANTS	CFM O.A. / OCC.	TOTAL REQ. O.A. (cfm)
A/C#1 - 18 TON				2105
118	170	5	20	100
120	185	13	20	260
121	154	2	25	50
122	154	2	25	50
123	140	2	25	50
125			75cfm / W.C.	75
126	140	2	25	50
142	100	1	25	25
143	100	1	25	25
144	100	1	25	25
152	100	1	20	20
153	100	2	15	30
154	250	5	15	75
155			75cfm / W.C.	75
156			75cfm / W.C.	75
157	145	1	20	20
100	1160	70	15	1050
CORRIDOR			0.05 cfm / sq ft	50
A/C#2 - 18 TON				1520
101	208	2	20	40
102	84		0.5 cfm / sq ft	40
103	173	5	20	100
106			75cfm / W.C.	75
107			75cfm / W.C.	75
109	140	2	25	50
110	140	2	25	50
111	140	1	20	20
112	140	1	20	20
113	140	1	20	20
116	110	1	20	20
117	345	17	20	340
130			75cfm / W.C.	75
131			75cfm / W.C.	75
132	186	2	25	50
133	140		0.15 cfm / sq ft	20
134	140	2	25	50
135	186	2	25	50
136	120	1	25	25
137	120	1	25	25
139	100	1	25	25
140	100	1	25	25
141	100	1	25	25
147	380	3	20	60
148	100		0.5 cfm / sq ft	20
149	60	1	20	20
150	100	1	20	20
151	100	1	20	20
CORRIDOR	1100		0.05 cfm / sq ft	55

**LEGEND**

- RIGID RETURN AIR DUCT, SIZE AS SHOWN
- RIGID SUPPLY AIR DUCT, SIZE AS SHOWN
- FLEX SUPPLY AIR DUCT, MAX LENGTH 14'
- 100 cfm - 5"
- 150 cfm - 6"
- 200 cfm - 8"
- 250 cfm - 9"
- 300 cfm - 10"
- 500 cfm - 12"
- 24"x24" DIFFUSER
- RETURN AIR GRILLE, SIZE AS NEEDED
- ROUND DAMPERS WITH VVT (VARIABLE VOLUME AND TEMPERATURE) SIZE AS SHOWN. VERIFY SIZE WITH MANUFACTURER'S RECOMMENDATIONS
- THERMOSTAT: VERIFY LOCATION WITH OWNER
- 80 cfm EXHAUST FAN THROUGH ROOF

**A/C UNIT SCHEDULE**

NO.	TOTAL BTU	CFM	O.A.	HEAT (KW)	ELECTRICAL			COMMENTS
					VOLTAGE	MCA	CKT BRKR	
1	216,000 18 TON	7200	1520	40	230V, 3Ø			CARRIER 50PG020
2	216,000 18 TON	7200	2105	40	230V, 3Ø			CARRIER 50PG020
3	18,000 1.5 TON	600	100	5	230V, 1Ø			MMD18E-PHEOC



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SOUTHEAST  
LOUISIANA  
VETERAN'S  
HEALTH CARE  
SYSTEM

MECHANICAL  
PLAN

REV:

SCALE: AS NOTED

JOB#: 2009

DATE: 02-03-09

SHEET 9

**M-1**

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