



MECHANICAL PLAN - BLDG C
SCALE: 1/8" = 1'-0"

A/C UNIT SCHEDULE - BLDG.C						COMMENTS
NO.	TOTAL RTU	CFM	O.A.	HEAT ELEC.	ELECTRICAL VOLTAGE MCA	CKT BRKR
1C	24,000	800	100	5 KW	240V, 3ø	-
2C	24,000	800	100	5 KW	240V, 3ø	-
3C	24,000	800	100	5 KW	240V, 3ø	-
4C	24,000	800	100	5 KW	240V, 3ø	-
5C	24,000	800	100	5 KW	240V, 3ø	-
6C	24,000	800	100	5 KW	240V, 3ø	-
7C	24,000	800	100	5 KW	240V, 3ø	-
8C	24,000	800	100	5 KW	240V, 3ø	-
9C	24,000	800	100	5 KW	240V, 3ø	-
10C	24,000	800	100	5 KW	240V, 3ø	-
11C	24,000	800	100	5 KW	240V, 3ø	-
12C	24,000	800	100	5 KW	240V, 3ø	-
13C	24,000	800	100	5 KW	240V, 3ø	-
14C	24,000	800	100	5 KW	240V, 3ø	-
15C	24,000	800	100	5 KW	240V, 3ø	-
16C	24,000	800	100	5 KW	240V, 3ø	-
17C	24,000	800	100	5 KW	240V, 3ø	-
18C	24,000	800	100	5 KW	240V, 3ø	-
19C	24,000	800	100	5 KW	240V, 3ø	-
20C	24,000	800	100	5 KW	240V, 3ø	-
21C	24,000	800	100	5 KW	240V, 3ø	-
22C	24,000	800	100	5 KW	240V, 3ø	-
23C	24,000	800	100	5 KW	240V, 3ø	-
24C	24,000	800	100	5 KW	240V, 3ø	-
25C	24,000	800	100	5 KW	240V, 3ø	-
26C	24,000	800	100	5 KW	240V, 3ø	-
27C	24,000	800	100	5 KW	240V, 3ø	-
28C	24,000	800	100	5 KW	240V, 3ø	-
29C	24,000	800	100	5 KW	240V, 3ø	-
30C	24,000	800	100	5 KW	240V, 3ø	-
31C	24,000	800	100	5 KW	240V, 3ø	-
32C	24,000	800	100	5 KW	240V, 3ø	-
33C	24,000	800	100	5 KW	240V, 3ø	-
34C	24,000	800	100	5 KW	240V, 3ø	-
35C	24,000	800	100	5 KW	240V, 3ø	-
36C	24,000	800	100	5 KW	240V, 3ø	-
37C	24,000	800	100	5 KW	240V, 3ø	-
38C	24,000	800	100	5 KW	240V, 3ø	-
39C	24,000	800	100	5 KW	240V, 3ø	-
40C	24,000	800	100	5 KW	240V, 3ø	-
41C	24,000	800	100	5 KW	240V, 3ø	-
42C	24,000	800	100	5 KW	240V, 3ø	-
43C	24,000	800	100	5 KW	240V, 3ø	-
44C	24,000	800	100	5 KW	240V, 3ø	-
45C	24,000	800	100	5 KW	240V, 3ø	-
46C	24,000	800	100	5 KW	240V, 3ø	-
47C	24,000	800	100	5 KW	240V, 3ø	-
48C	24,000	800	100	5 KW	240V, 3ø	-
49C	24,000	800	100	5 KW	240V, 3ø	-
50C	24,000	800	100	5 KW	240V, 3ø	-
51C	24,000	800	100	5 KW	240V, 3ø	-
52C	24,000	800	100	5 KW	240V, 3ø	-
53C	24,000	800	100	5 KW	240V, 3ø	-
54C	24,000	800	100	5 KW	240V, 3ø	-
55C	24,000	800	100	5 KW	240V, 3ø	-
56C	24,000	800	100	5 KW	240V, 3ø	-
57C	24,000	800	100	5 KW	240V, 3ø	-
58C	24,000	800	100	5 KW	240V, 3ø	-
59C	24,000	800	100	5 KW	240V, 3ø	-
60C	24,000	800	100	5 KW	240V, 3ø	-
61C	24,000	800	100	5 KW	240V, 3ø	-
62C	24,000	800	100	5 KW	240V, 3ø	-
63C	24,000	800	100	5 KW	240V, 3ø	-
64C	24,000	800	100	5 KW	240V, 3ø	-
65C	24,000	800	100	5 KW	240V, 3ø	-
66C	24,000	800	100	5 KW	240V, 3ø	-
67C	24,000	800	100	5 KW	240V, 3ø	-
68C	24,000	800	100	5 KW	240V, 3ø	-
69C	24,000	800	100	5 KW	240V, 3ø	-
70C	24,000	800	100	5 KW	240V, 3ø	-
71C	24,000	800	100	5 KW	240V, 3ø	-
72C	24,000	800	100	5 KW	240V, 3ø	-
73C	24,000	800	100	5 KW	240V, 3ø	-
74C	24,000	800	100	5 KW	240V, 3ø	-
75C	24,000	800	100	5 KW	240V, 3ø	-
76C	24,000	800	100	5 KW	240V, 3ø	-
77C	24,000	800	100	5 KW	240V, 3ø	-
78C	24,000	800	100	5 KW	240V, 3ø	-
79C	24,000	800	100	5 KW	240V, 3ø	-
80C	24,000	800	100	5 KW	240V, 3ø	-
81C	24,000	800	100	5 KW	240V, 3ø	-
82C	24,000	800	100	5 KW	240V, 3ø	-
83C	24,000	800	100	5 KW	240V, 3ø	-
84C	24,000	800	100	5 KW	240V, 3ø	-
85C	24,000	800	100	5 KW	240V, 3ø	-
86C	24,000	800	100	5 KW	240V, 3ø	-
87C	24,000	800	100	5 KW	240V, 3ø	-
88C	24,000	800	100	5 KW	240V, 3ø	-
89C	24,000	800	100	5 KW	240V, 3ø	-
90C	24,000	800	100	5 KW	240V, 3ø	-
91C	24,000	800	100	5 KW	240V, 3ø	-
92C	24,000	800	100	5 KW	240V, 3ø	-
93C	24,000	800	100	5 KW	240V, 3ø	-
94C	24,000	800	100	5 KW	240V, 3ø	-
95C	24,000	800	100	5 KW	240V, 3ø	-
96C	24,000	800	100	5 KW	240V, 3ø	-
97C	24,000	800	100	5 KW	240V, 3ø	-
98C	24,000	800	100	5 KW	240V, 3ø	-
99C	24,000	800	100	5 KW	240V, 3ø	-
100C	24,000	800	100	5 KW	240V, 3ø	-

HVAC NOTES

1. CONCEALED DUCTWORK TO BE UL-181, CLASS 1, FIRE-RATED 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 1.5" POLYURETHANE FOAM 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. PROVIDE ULL LISTED 125 F° FRESH AIR IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE ULL RATED FIRE DAMPERS 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 BROWN 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 DRAHT 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. INSTALL FIRE DAMPER WHERE S.A. & R.A. DUCTS PENETRATE 1 HOUR RATED CEILING.
18. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE RATED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH AN APPROVED FIRE RATED SEALANT OR FLAMESTOP 101.
19. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE SEALED WHEN TESTED IN ACCORDANCE WITH ASTM-E84-10.