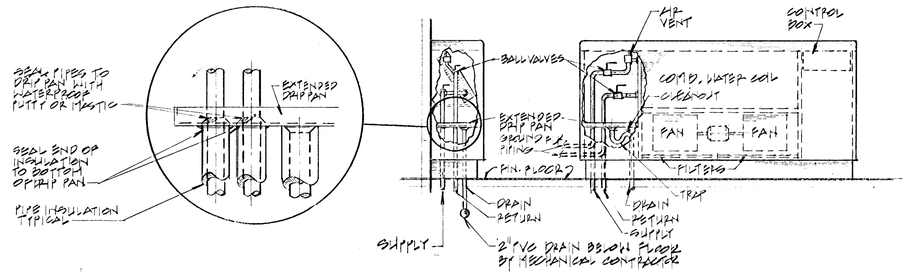
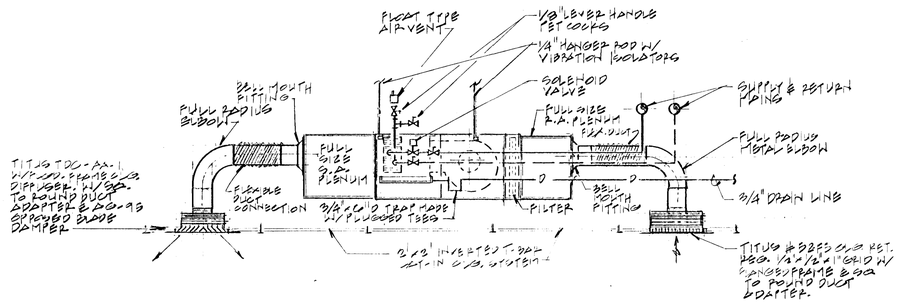


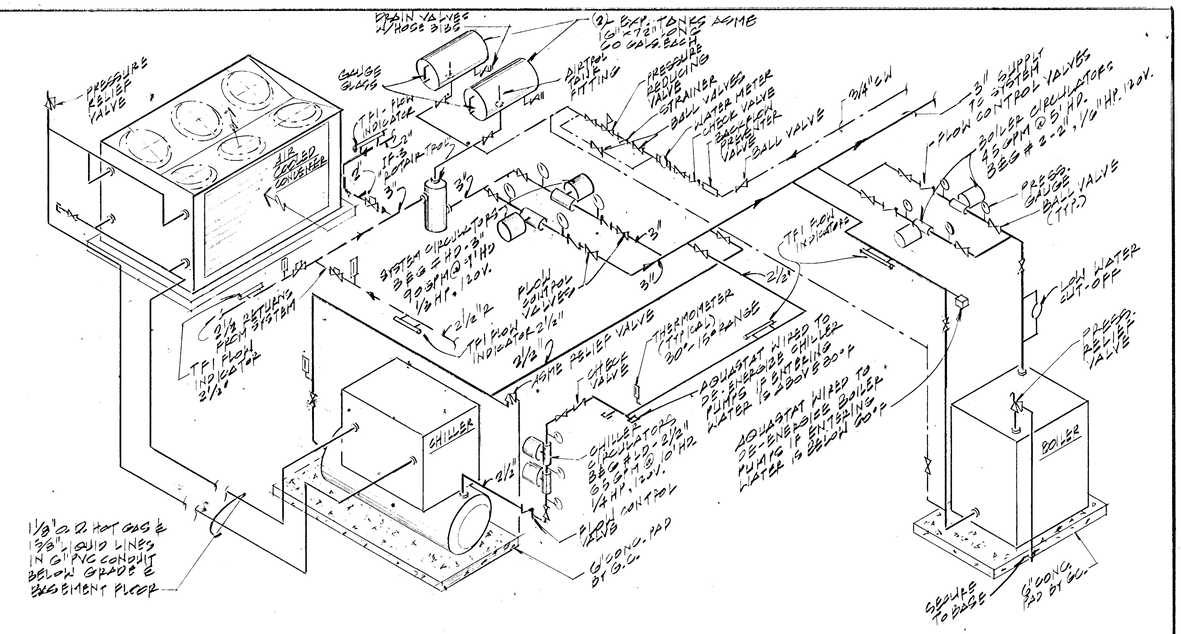
FLOOR MOUNTED FAN COIL UNIT PIPING DIAGRAM

NOT TO SCALE



FAN COIL UNIT & CEILING DIFFUSER ARRANGEMENT

NOT TO SCALE



BOILER / CHILLER PIPING SCHEMATIC

NOT TO SCALE

FAN COIL UNIT SCHEDULE

SYMBOL	TYPE	CARRIER MODEL NO.	CFM	TOTAL T.B.H. *(COOLING)	**WATTS	S.A. PLENUM	R.A. PLENUM
A	CEILING CONCEALED	42D57	1300			46"x16"	46"x16"
B	CEILING CONCEALED	42CE4	400	12.8	145	28"x8"	30"x12"
C	VERTICAL CABINET	42VB2	200	6.4	80	–	–
D		42VB3	300	9.6	80	–	–
E		42VB4	400	12.8	145	–	–
F		42VB2	200	6.4	80	MAN. MTD. W/ INLET & OUTLET GRILLES AND GRILLES.	

* M.B.H. 67° E.W.B., 78° E.D.B., 45° E.W.T. 8° A.T.R.
** WATTS AT 120 VOLTS W/ PSC MOTOR, HIGH SPEED.

SYMBOLS & ABBREV.

FCU FAN COIL UNIT	BALL VALVE (UNLESS NOTED OTHERWISE)
CD CEILING DIFFUSER	C.O. CLEANOUT
CR CEILING RETURN REGISTER	
FLEXIBLE ROUND DUCT	EF EXHAUST FAN
E.A. EXHAUST AIR	REF ROOF EXHAUST FAN
S.A. SUPPLY AIR, F.A. FRESH AIR	
R.A. RETURN AIR	(T) THERMOSTAT
HWS HOT WATER SUPPLY	
HWR HOT WATER RETURN	(T)N NITE ZONE (T)
CFM CUBIC FEET MINUTE	

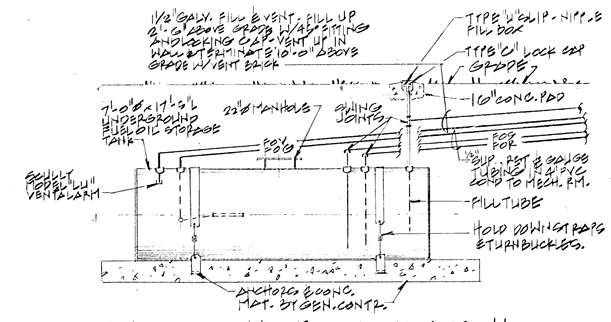
EXHAUST FAN SCHEDULE

PLAN NO.	TYPE	* MFR. NO.	CFM	S.P. INCHES	H.P. / WATTS	R.P.M.	CONTROL
REF-1	ROOF	AW-20	350	.25	1/20	860	2 SPEED SWITCH W/PILOT LIGHT
REF-2		AT-20	760	.25	1/2	1140	
REF-3		AT-20	530	3/8	1/2	1140	
REF-4		AT-20	500	.40	1/2	1140	
REF-5		AT-20	520	3/8	1/2	1140	INTERLOCK W/ 3 TOILET LIGHT SWITCHES.
EF-6	CABINET	Z-10	320	.125	190 W	1050	
REF-7	CABINET	Z-6	90	.13	50 W	1050	INTERLOCK W/ TOILET LIGHT SWITCH.
~~EF-8~~	~~UTILITY~~	~~BCM-1650~~	~~1600~~	~~.13~~	~~3/4~~	~~1300~~	~~2 SPEED STARTER W/REMOTE S.P. BUTTON & PILOT LIGHT.~~ — OMITTED
REF-9	ROOF	AW-20	350	.25	1/20	860	2-SPEED SWITCH W/PILOT LIGHT.

* MFR. NO. BASED ON PENN VENTILATOR CO. INC. EXCEPT EF-8 WHICH IS LOC. INDUSTRIES.

GENERAL NOTES =

1. PIPING DUCTWORK & EQUIPMENT SHOWN DIAGRAMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED AT THE SITE.
2. DUCT DIMENSIONS SHOWN ARE METAL SIZES. SUPPLY AND RETURN DUCTS SHALL BE LINED 1" THICK. EXHAUST DUCTS SHALL BE LINED 1/2" THICK.
3. SUPPLY RETURN & DRAIN PIPING TO FAN-COIL UNITS SHALL BE 3/4" UNLESS OTHERWISE NOTED.
4. GENERATOR EXHAUST SHALL BE 2" "TOLOY" PIPE THROUGH TAPLE ROOF SLEEVE W/ TALL CONS FLASHING, TURN 90° ABOVE ROOF AND UNDERCUT AT 30° ANGLE. INSTALL FLEXIBLE CONNECTION AND MUFFLER FURNISHED BY ELECTRICAL CONTRACTOR.



FUEL OIL TANK DETAIL

NOT TO SCALE

(DIESEL OIL TANK SIMILAR)

BARSTOW ENGINEERING, INC.
CONSULTING ENGINEERS
401 COMMONWEALTH AVENUE
BOSTON, MASSACHUSETTS 02215
262-0420

Additions and Renovations to
THE ACTON TOWN HALL
Acton, Massachusetts

title: HVAC SCHEDULES & DETAILS

ROBERT G. NEILEY ARCHITECTS
286 Congress Street, Boston MA 02210

drawn by DG. | job | scale | date 4-6-87

drawing: **M3**