



FLOOR PLAN
1/8" = 1'-0"

EXHAUST FAN SCHEDULE

#	CFM	HP	MFR	MODEL	HP	VOLTS	REMARKS
EF-1	190	1/2	CARNES	ERD-07	1/25	120-1-60	WITH CURB, AUTO DRAIN, DISC SW.
EF-2	190	1/2	CARNES	ERD-07	1/25	120-1-60	DO.
EF-3	50	0.1	BROAN	E70	8 AMP	120-1-60	CEILING MOUNTED WITH BDD.
EF-4	375	1/8	FENN	Z-10	120W	120-1-60	DO, WITH SPEED CONTROL
EF-5	210	1	FENN	Z-8	105W	120-1-60	DO, DO.
EF-6	600	.35	BERLIND	J-1	1/4	120-1-60	

ROOF-TOP UNIT SCHEDULE

#	CFM	EP	TRANE MODEL	VOLTS	COOLING BTUH TOTAL	HEATING BTUH	GAS FLD. BTUH	REMARKS	
RT-1	1320	20"	5FHA-403L	208-3-60	46,500	34,300	100,000	15,000	WITH MANUAL O.A. UP TO 25% WITH CURB
RT-2	7200	50"	3FCA-1503L	208-3-60	185,400	141,200	300,000	225,000	WITH FULL ECONOMIZER WITH CURB

VARIABLE VOLUME BOXES

#	CFM	MFR	MODEL	REMARKS
VAV-1	810	METAL-AIRE	P10-TH-1E	WITH ELECTRIC ACTUATOR, THERMOSTAT & MINIMUM AIR FLOW STOP
VAV-2	380	DO.	P08-TH-1E	DO.
VAV-3	1100	DO.	P12-TH-1E	DO.

HUMIDIFIER

#	CAPACITY	BLOWER	KW	VOLTS	MAKE & MODEL
H-1	5.25/GHR	30CFM	1.4	120-1-60	AUTO-FLO X-15A WITH 1011K

NOTES

1. INSTALL SPLITTER DAMPERS WHEREVER SHOWN, AND AT EVERY TAKE-OFF.
2. INSTALL VOLUME DAMPERS WHEREVER SHOWN.
3. ALL ELBOWS IN RECTANGULAR & SQUARE DUCTS TO BE WITH VANES.
4. DIFFUSERS FOR ROOMS WITH VAV BOXES TO BE EXTRUDED ALUMINUM, METAL-AIRE MODEL M-15, WITH APD AND OBD. ALL OTHER DIFFUSERS TO BE MODEL M-1 WITH OBD.
5. ALL RETURN AIR GRILLES TO BE METAL-AIRE, MODEL RH.
6. ALL TOILET RETURN AIR REGISTERS TO BE METAL-AIRE, MODEL RHD.
7. ROUND FLEXIBLE DUCT IN ROOMS 18, 19, 20, 25, 26 TO BE 1/2" THICK FIBERGLASS, 1 LB/CUFT DENSITY, ANCO-FLEX 181, OR EQUAL. SIZES SHOWN ARE INSIDE DIAMETER.
8. OTHER RETURNS DUCTS TO BE UNINSULATED.
9. UN-UC. UNDERST DOORS BY G.C.
10. ALL SUPPLY DUCTS TO BE WRAPPED.
11. COORDINATE DUCT HEIGHTS WITH FIELD DRAWINGS FOR CEILING ELEVATIONS.
12. RETURN AIR DUCTS TO BE FIELD MODIFIED AS REQUIRED FOR CEILING CLEARANCES.

MECHANICAL ENERGY SYSTEMS, INC. 817-272-5010
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JOB NAME: AUTO RETAIL CORP. 35 WILSBROOK ST. BOSTON, MASS. 02118
DATE: 01.14.79
DRAWN: M.V.M.
CHECKED: M.V.M.
SCALE: AS SHOWN
JOB NO.: 77100

DRAWING NO.: HVAC LAYOUT PLAN 1 OF 3

REVISIONS:
1. 02.17.79 ADDED THERMOSTAT, THERMOSTAT & BLOWER MOTOR HP.
2. 01.17.79 ADDED DUCTED RETURN, REVISED SUPPLY OFF RT-1, RELOCATED RT-1, ADDED RT-1 & DOOR.
3. 01.17.79 ADDED VESTIBULE VENTILATION.
4. 01.17.79 ADDED HUMIDIFIER & EF-6.
5. 01.17.79 ADDED LOCATION OF RT-1 & RESEARCH UNIT.