

m99
25807.004

SPLIT SYSTEM AIR TO AIR HEAT PUMP SCHEDULE

INDOOR UNIT											
SYMBOL	TOTAL CFM	OUTSIDE AIR	ESP IN.	FAN MOTOR HP.	FAN MOTOR RPM	COOLING MBTUH	HEATING MBTUH	ELECT. HTG. @ 47° F	AMB. TEMP. ° F	OUTDOOR UNIT SYMBOL	MOD.NO.
AHU-1	2900	900	.50	2.4	1725	89.0	67.4	83.0	15/1	95°	CU-1
AHU-2	1765	120	.50	3/4		56.0	42.0	58.0	5/1	95°	CU-2
AHU-3	1855	300	.50	3/4		56.0	42.0	58.0	8/1	95°	CU-3
AHU-4	2000	300	.50	3/4		56.0	42.0	58.0	8/1	95°	CU-4

DIFFUSER SCHEDULE

SUPPLY (CD)				RETURN (CR)			
CFM RANGE	NECK SIZE IN.	FLEX. DUCT IN. DIA.	NECK SIZE IN.	CFM RANGE	NECK SIZE IN.	FLEX. DUCT IN. DIA.	NECK SIZE IN.
0-100	6X6	6	8X8	0-200	8X8		
101-200	8X8	8	10X10	201-500	12X12		
201-300	10X10	9	12X12	501-800	15X15		
301-500	12X12	12	18X18	801-1100	18X18		
501-800	15X15	14	22X22	1171-1700	22X22		
801-1100	18X18	16					

THRU THE WALL HEAT PUMP SCHEDULE

INDOOR UNIT											
SYMBOL	TOTAL CFM	OUTSIDE AIR	ESP IN.	FAN MOTOR HP.	FAN MOTOR RPM	COOLING MBTUH	HEATING MBTUH	ELECT. HTG. KW	ELECT. COOLING AMPS	EER	MOD.NO.
HP-1	300	50	.38	1/8	13.2	11.0	3.4	19.9	7.4	8.8	52SQC515-3

HANGERS FOR RECTANGULAR DUCTS

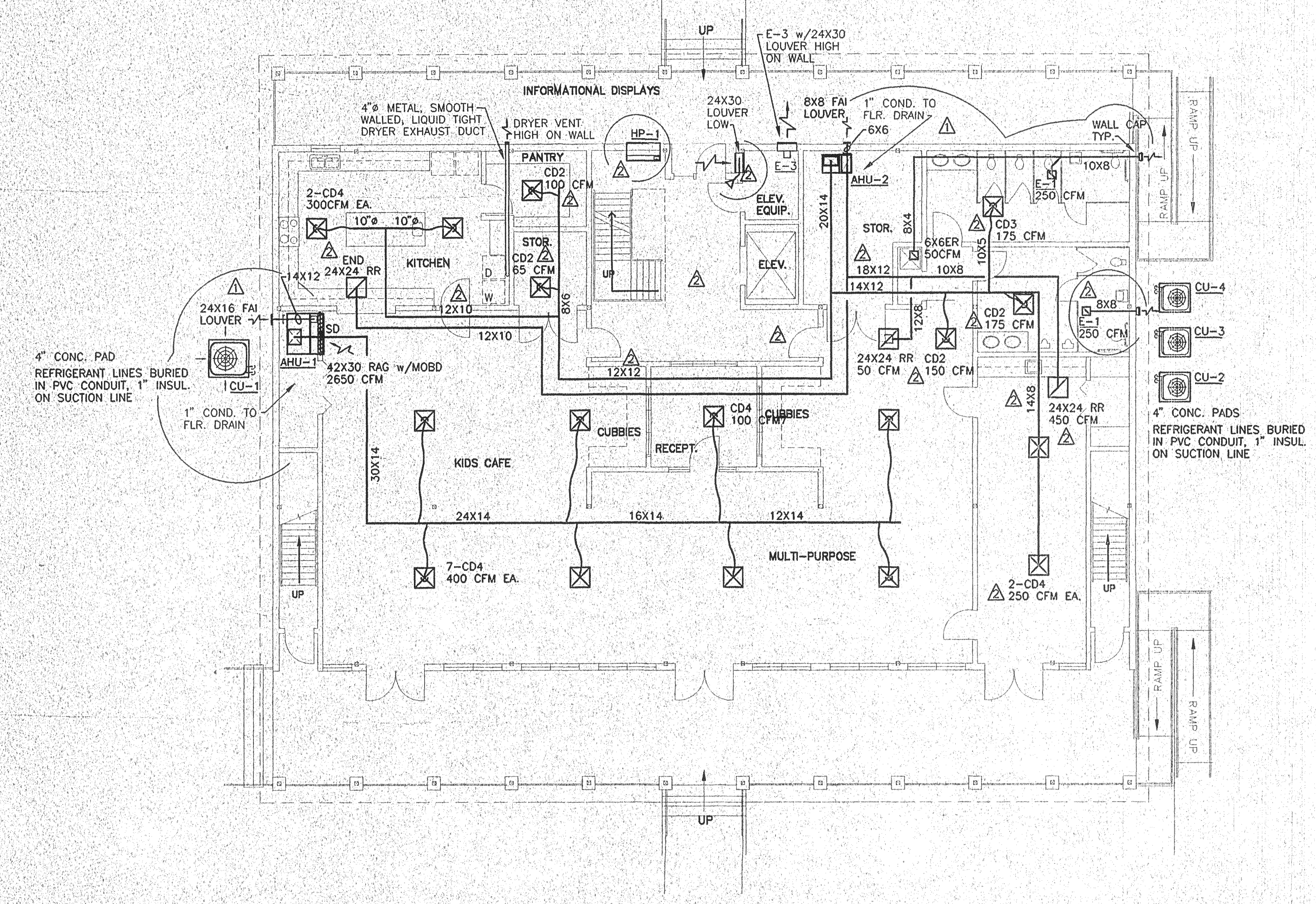
LONGEST DUCT DIMENSION	ROUND HANGERS	STRAP HANGERS	MAX. SPACING
UP THRU 16"	8 GAUGE WIRE	1" X 16 GAUGE	10'-0"
19" THRU 30"	8 GAUGE WIRE	1" X 16 GAUGE	10'-0"
31" THRU 42"	1/4" DIA. ROD	1" X 16 GAUGE	10'-0"
43" THRU 60"	3/8" DIA. ROD	1" X 16 GAUGE	10'-0"
61" THRU 84"	3/8" DIA. ROD	1 1/2" X 16 GAUGE	8'-0"

ALL HANGERS MUST BE SECURELY ATTACHED TO A STRUCTURAL MEMBER AND NOT TO THE ROOF DECK

FAN SCHEDULE

FAN NO.	CFM	ESP IN.	TYPE	SERVES	HP.	DRIVE	RPM	BACKDRAFT DAMPER	SONES	MFG.	MOD.NO.
E-1	250	.10	CLG.	TOILETS	83W	DIRECT	1000	YES	3.0	GREENHECK	SP-224
E-2	75	.10	CLG.	JAN.	40W	DIRECT	1500	YES	3.0	GREENHECK	SP-6
E-3	1850	.10	WALL	ELEV. RM.	1/6	DIRECT	1140	YES	11.0	GREENHECK	SDE-16-32-B
E-4	100	.10	WALL	TOILET	80	DIRECT	950	YES	2.1	GREENHECK	SP-7

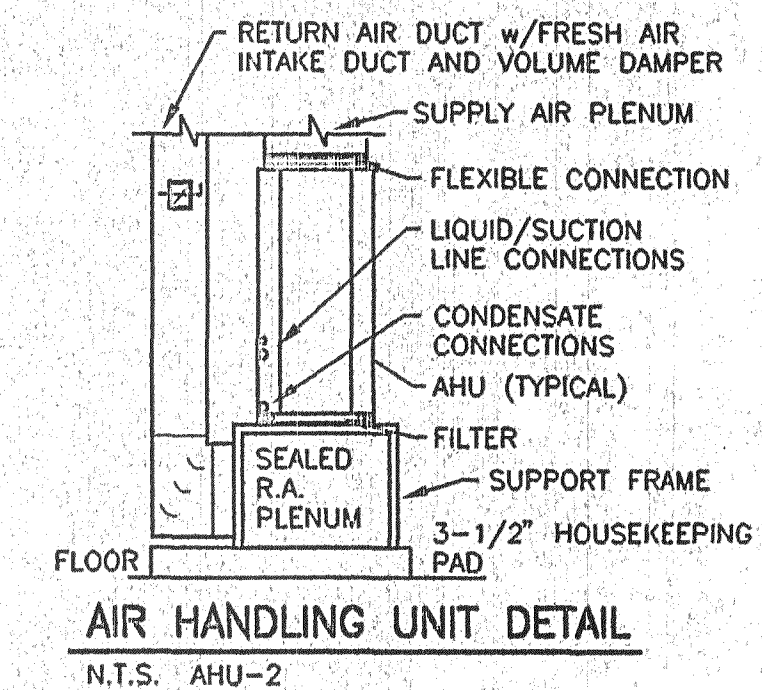
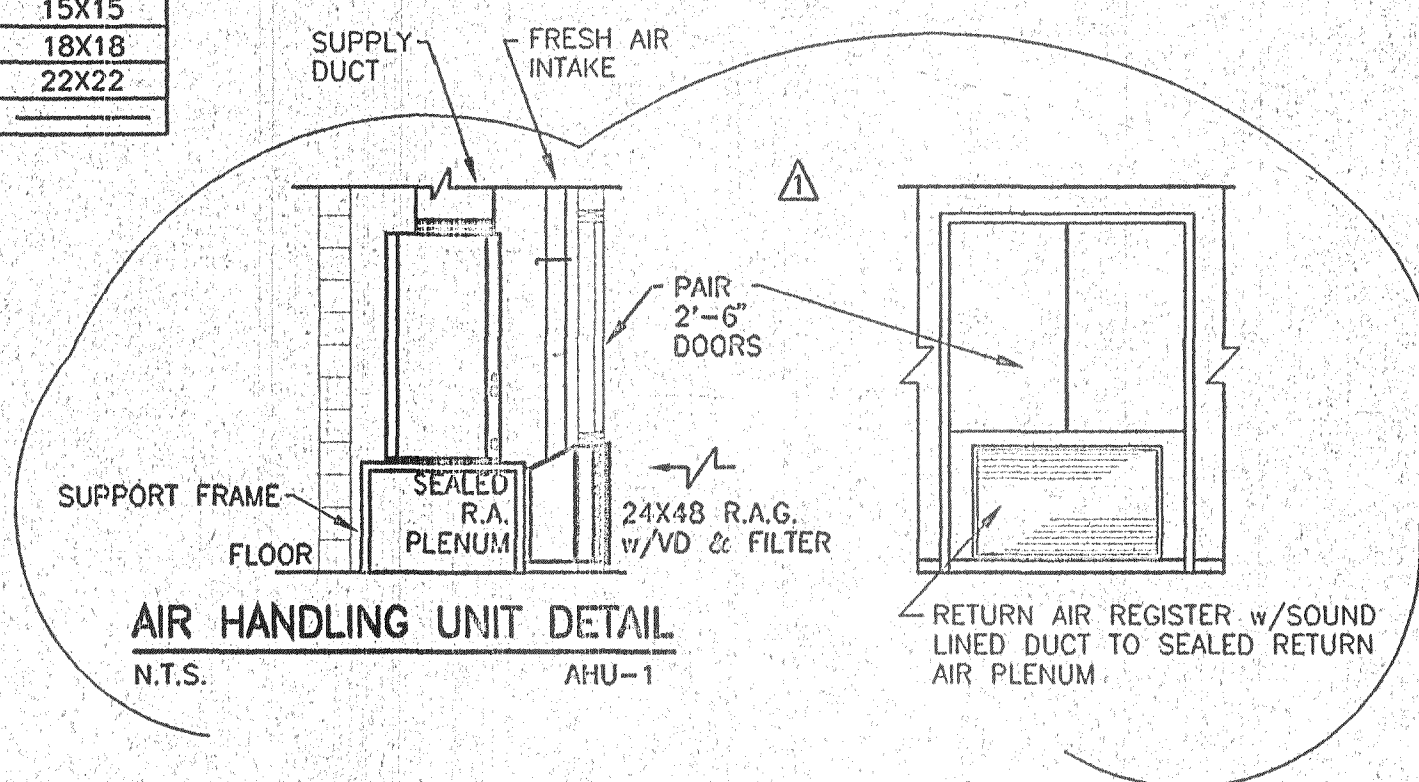
FANS ARE TO RUN CONTINUOUSLY, AND HAVE SPEED CONTROLLERS



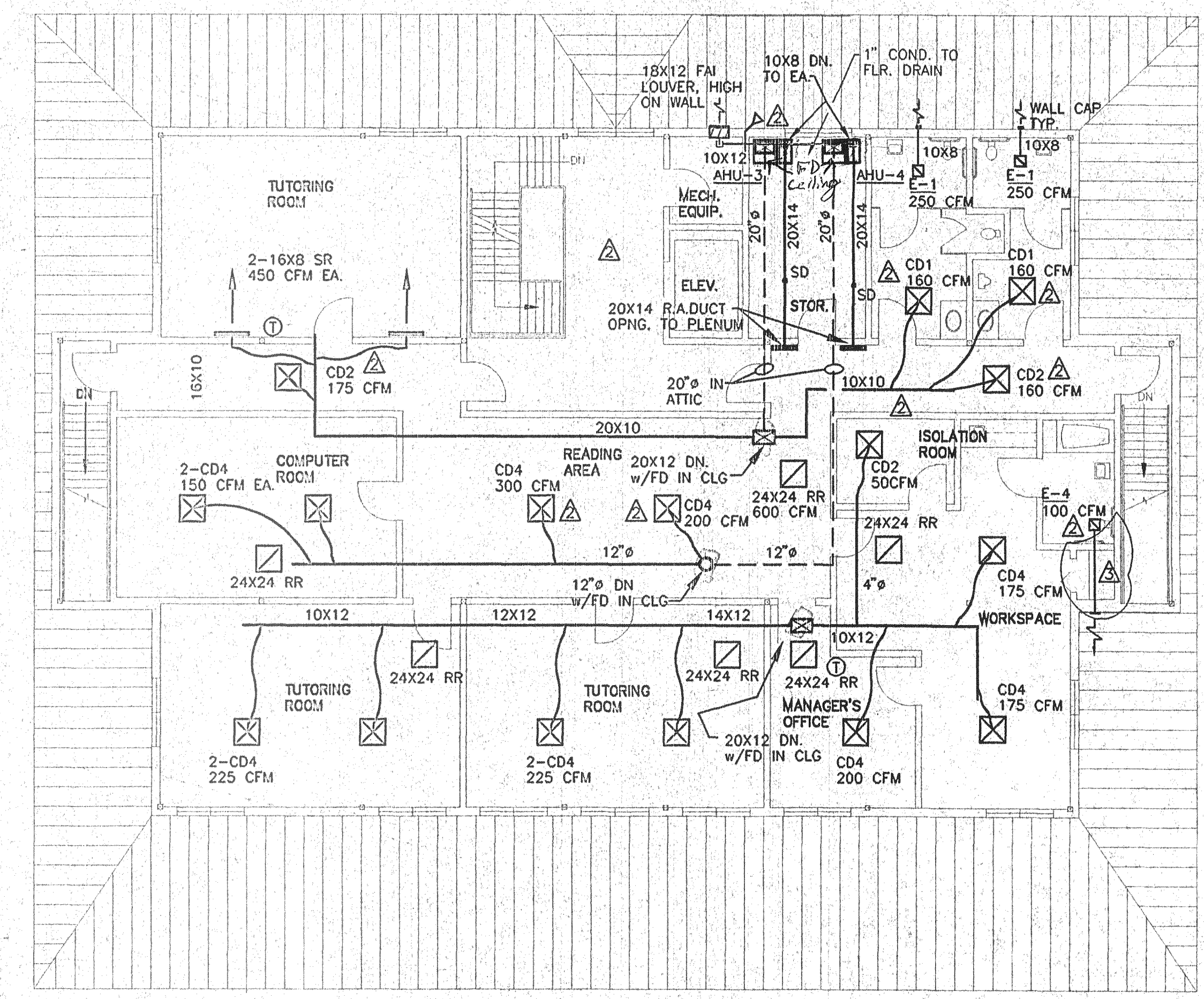
FIRST FLOOR PLAN - HVAC
SCALE: 1/8"=1'-0"

NOTES:

- COORDINATE ALL DUCTWORK AND PIPING WITH OTHER CONSTRUCTION.
- COORDINATE DIFFUSERS WITH CEILING GRID AND LIGHTS AND LOCATE AS SHOWN ON REFLECTED CEILING PLAN.
- ALL DUCT DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS.
- ALL RECTANGULAR SUPPLY AND RETURN DUCTWORK FROM AHU'S SHALL HAVE 1" SOUND LINING IN ALL DIRECTIONS FROM 15'-0".
- CONDENSATE LINES FROM AHU'S TO DRAINS SHALL BE INSTALLED WITH P-TRAPS.



LEGEND: (AS APPLICABLE)

- AHU AIR HANDLING UNIT
- CU CONDENSING UNIT
- RTU ROOF TOP UNIT
- CFM CUBIC FEET PER MIN.
 CD | CEILING DIFFUSER | CR | CEILING RETURN REGISTER | SR | SIDEWALL REGISTER | RR | RETURN AIR REGISTER | LD | LINEAR DIFFUSER | ER | EXHAUST REGISTER | TG | TRANSFER GRILLE | SA | SUPPLY AIR | RA | RETURN AIR | FAI | FRESH AIR INTAKE | E | EXHAUST FAN | EXH | EXHAUST | EA | EACH | ESP | EXTERNAL STATIC PRESSURE | FLEX | FLEXIBLE | CONN | CONNECTION | AUX | AUXILIARY | HTR | HEATER | KW | KILOWATT | MBTUH | ONE THOUSAND BRITISH THERMAL UNITS PER HOUR | TYP | TYPICAL | ° | THERMOSTAT | HP | HORSEPOWER | RPM | REVOLUTIONS PER MINUTE | DR | DRIVE | CENT | CENTRIFUGAL | LD | LOUVERED DOOR | MD | MOTORIZED DAMPER | MOBD | MANUAL OPPOSED BLADE VOLUME DAMPER | SD | SMOKE DETECTOR | FD | FIRE DAMPER | LRA | LOCKED ROTOR AMPS. | FLA | FULL LOAD AMPS | RLA | RATED LOAD AMPS | EER | ENERGY EFFICIENCY RATIO | SEER | SEASONAL ENERGY EFFICIENCY RATIO | COP | COEFFICIENT OF PERFORMANCE | HSPF | HEATING SEASONAL PERFORMANCE FACTOR | | EXTRACTOR | | ELBOW w/TURNING VANES | | SPLITTER |


AS BUILTS 5/13/99
SECOND FLOOR PLAN - HVAC
SCALE: 1/8"=1'-0"

Revised 5-B-99

R. J. J. 5-14-99

THE BRIDGE MULTI-SERVICE CENTER

REVISIONS

BY

4/16/98

7/15/98

REV. AHU-2

CFMS, DUCTS, ADDED E-4, FDS, HP-1.

REV. AHU-3

CFMS, DUCTS, ADDED

7/31/98

REV. EXH DUCT

ROY TURKNETT ENGINEERS, PA
CONSULTING ENGINEERS - MECHANICAL - ELECTRICAL
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DATE

4/16/98

SCALE

1/4"=1'-0"

DRAWN

SE

JOB

SHEET

M-1R

1 of 1