



MECAHNICAL H.V.A.C DESIGN CRITERIA

- I.O OUTSIDE CONDITIONS
- A. 95 DEGREES F. DB., SUMMER 18 DEGREES MB. B. O DEGREES F. DB., WINTER
- 2.0 INSIDE CONDITIONS
 - A. 15 DEGREES F. DB., SUMMER (2 DEGREE F. DB.) 50% RELATIVE HUMIDITY
 - B. 10 DEGREES F. DB., WINTER (2 DEGREE F. DB.)
 - C. 68 DEGREES F. DB., WINTER/SUMMER (2 DEGREE F .DB.) FOR PROCEDURE AND OBSERVATION AREAS
- 3.0 OCCUPANCY RATE
- A. ONE PERSON PER OFFICE/EXAM ROOM
- 4.0 VENTILATION RATE
- A. 20 C.F.M. PER PERSON

5.0 ELECTRICAL LOADS

- A. 350 WATTS PER P/C (I PERSON/I PC) B. LIGHTING 2 WATTS PER SQ. FOOT
- 6.0 BUILDING "U" VALVES
- A. ROOF .09 B. EXTERIOR WALL - .10
- C. GLASS 60 "U" VALUE
 - .80 SHADING COEFFICIENT

DRAWING NOTES

- EXISTING HORIZONTAL HEAT PUMP SUPPORTED FROM STRUCTURE ABOVE CEILING TO REMAIN. REFER TO SHEET M-5 FOR SIZE AND CAPACITY.
- 2 EXISTING SUPPLY AIR DUCTWORK MOUNTED FROM STRUCTURE ABOVE CEILING TO REMAIN (TYPICAL).
- (3) SUPPLY AIR DUCTHORK MOUNTED FROM STRUCTURE ABOVE CEILING (TYPICAL).
- (4) I' SOUNDLINED RETURN AIR DUCTWORK MOUNTED FROM STRUCTURE ABOVE CEILING. CONTRACTOR TO PROVIDE I" AIR FILTER WITH PULL ACCESS (TYPICAL). EXCEPT FOR HEAT PUMP UNIT #4; NO SOUNDLINING REQUIRED.
- (5) OUTSIDE AIR DUCTWORK MOUNTED FROM STRUCTURE ABOVE CEILING (TYPICAL).
- (6) EXHAUST AIR DUCTWORK MOUNTED FROM STRUCTURE ABOVE CEILING (TYPICAL).
- ONTRACTOR TO FIELD LOCATE AND CONNECT EXISTING EXHAUST/OUTSIDE AIR DUCT TAPS TO NEW EXHAUST DUCTWORK ABOVE CEILING AS INDICATED (TYPICAL).
- (8) 24"x24" VANE SUPPLY AIR DIFFUSER MOUNTED IN ACOUSTICAL CEILING TILE WITH NECK SIZE AND AIR VOLUME INDICATED (TYPICAL).
- (9) 12"x12" VANE SUPPLY AIR DIFFUSER MOUNTED IN ACOUSTICAL CEILING TILE WITH NECK SIZE AND AIR VOLUME INDICATED (TYPICAL).
- (io) 24"x24" CEILING RETURN AIR REGISTER MOUNTED IN ACOUSTICAL CEILING TILE WITH NECK SIZE AND AIR VOLUME INDICATED (TYPICAL).
- (I) EXHAUST AIR REGISTER MOUNTED IN DRYWALL CEILING WITH NECK SIZE AND AIR VOLUME INDICATED (TYPICAL).
- (2) 24"x24" PERFORATED SUPPLY AIR DIFFUSER MOUNTED IN ACOUSTICAL CEILING TILE WITH NECK SIZE AND AIR VOLUME INDICATED (TYPICAL).
- BY PROVIDE BRICK VENT INTAKE LOUVER AS MANUFACTURER BY COOK, MODEL BY 5 IN EXTERIOR WALL WITH FULL SIZE PLENUM THROUGH THE WALL. EXTEND OUTSIDE AIR DUCTWORK AND CONNECT AS INDICATED.
- (4) ELECTRONIC ZONE DAMPER ABOVE CEILING. REFER TO SHEET M-5 FOR BALANCING INFORMTION (TYPICAL).
- (15) THERMOSTAT TO BE MOUNTED ±5'-O" ABOVE FINISHED FLOOR ON WALL TO CONTROL ELECTRONIC DAMPER (TYPICAL).
- THERMOSTAT TO BE MOUNTED 15'-O" ABOVE FINISHED FLOOR ON WALL TO CONTROL EXISTING HEAT PUMP (TYPICAL).
- 17 THERMOSTAT TO BE MOUNTED 45'-O" ABOVE FINISHED FLOOR ON WALL TO CONTROL ELECTRIC DUCT HEATING COIL.
- (B) AIR-TITE FITTING (TYPICAL).
- (9) I" DOOR UNDERCUT. COORDINATE WITH ARCHITECT.
- MOTOR OPERATED DAMPER (TYPICAL).
- (2) VOLUME DAMPER (TYPICAL).
- (2) BACKDRAFT DAMPER (TYPICAL).
- 23 24"x24" AIR TRANSFER GRILLE WITH 22"x22" PLENUM BOX ABOVE AIR DEVICE FOR FLEXIBLE DUCT CONNECTION (TYPICAL).
- CEILING MOUNTED EXHAUST FAN SUPPORTED FROM STRUCTURE ABOVE. REFER TO SHEET M-5 FOR SIZE AND CAPACITY.
- 25) IN-LINE EXHAUST FAN SUPPORTED FROM STRUCTURE IN CEILING, REFER TO SHEET M-5 FOR SIZE AND CAPACITY.
- GALVANIZED WALL CAP AS MANUFACTURED BY COOK, (LITTLE GEM) MODEL WCG-1.
- WALL MOUNTED/RECESSED ELECTRIC WALL HEATER WITH INTEGRAL THERMOSTAT. REFER TO SHEET M-5 SOR SIZE AND CAPACITY.
- (2) INSULATED FLEXIBLE DUCT. MAXIMUM 8'-0" LENGTH (TYPICAL).
- (9) 8"x6" AIR TRANSFER GRILLE WITH 8"x4" DUCT CONNECTION ABOVE CEILING.
- FIRE DAMPER IN DRYWALL CEILING (TYPICAL).
- 3) 6"x6" SUPPLY AIR GRILLE MOUNTED IN DRYWALL CEILING WITH NECK SIZE AND AIR VOLUME INDICATED.
- (2) EXISTING DUCTWORK RELOCATED TO AVOID NEW TENANT PARTITION WALL.
- ELECTRONIC BYPASS DAMPER ABOVE CEILING. REFER TO SHEET M-4 FOR BALANCING INFORMTION (TYPICAL).
- IN-LINE VENTILATION FAN SUPPORTED FROM STRUCTURE IN CEILING. REFER TO SHEET M-5 FOR SIZE AND CAPACITY.

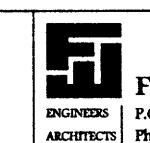
35) 8"x6" SUPPLY AIR GRILLE MOUNTED IN DRYWALL CEILING WITH NECK SIZE AND AIR VOLUME INDICATED.

TENANT RENOVATIONS FOR: RMS LIFE LINE 2405 YORK ROAD TIMONIUM, MARYLAND 21093

10/10/00 AS NOTED

ESCRIPTION

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