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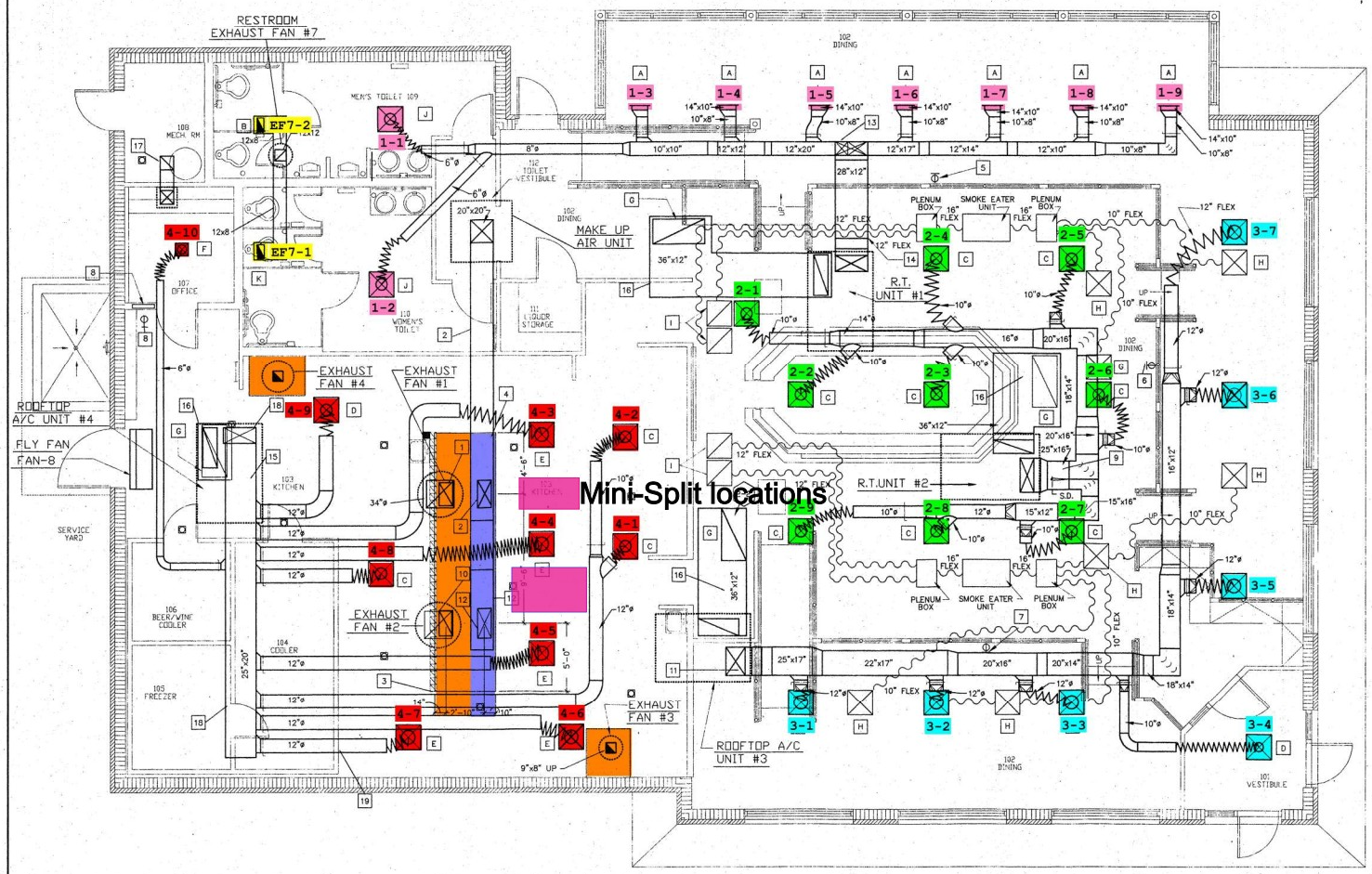

FLOOR PLAN – HVAC

SCALE:1/4"=1'-0"

Notes (M1)

1. 16 GAGE TYPE 304 STAINLESS STEEL DUCT WITH WELDED SEAMS, 18" X 12" FROM HOOD TO EXHAUST FAN #1 ON ROOF.
2. 20" X 24" DUCT BETWEEN JOIST FROM HOOD TO MAKEUP AIR UNIT ON ROOF. MAKE 28" X 12" TAPS WITH DEFLECTROLS INTO HOOD SUPPLY PLENUM. FURNISH MANUAL DAMPER IN DUCT DROP.
3. ON-OFF CONTROL FOR HOOD EXHAUST FANS (2) AND MAKE UP AIR UNIT. SINGLE ON-OFF SWITCH SHALL START EXHAUST FAN #1, EXHAUST FAN #2 AND MAKE UP AIR UNIT LOCATE STARTERS ABOVE CEILING IN AN ACCESSIBLE PLACE.
4. COORDINATE DUCT LOCATIONS WITH HOOD HANGERS. HOOD HANGERS TAKE PRECEDENCE OVER DUCTS. SUPPORT DUCT INDEPENDENTLY OF HOOD.
5. LOCATION OF REMOTE THERMOSTAT FOR ROOFTOP A/C UNITS #1,2,3 & 4.
6. SENSOR W/GUARD FOR ROOFTOP A/C UNIT #2
7. SENSOR W/GUARD FOR ROOFTOP A/C UNIT #3
8. SENSOR W/GUARD FOR ROOFTOP A/C UNIT #4.
9. 25" X 16" SUPPLY AIR DUCT WITH SPLITTER DAMPER.
10. 16 GAGE TYPE 304 STAINLESS STEEL DUCT WITH WELDED SEAMS 20" X 12" FROM HOOD TO EXHAUST FAN #2 ON ROOF.
11. 25" X 17" SUPPLY AIR DUCT. CONNECT FULL SIZE TO UNIT SUPPLY.
12. 20" X 14" DUCT BETWEEN JOISTS FROM HOOD TO MAKEUP AIR UNIT ON ROOF. MAKE 28" X 12" TAPS WITH DEFLECTROLS INTO HOOD SUPPLY PLENUM. FURNISH MANUAL DAMPER IN DUCT DROP.
13. 28" X 12" S.A. DOWN INTO 18" X 12" AND 10" X 12".
14. 28" X 12" SUPPLY AIR. CONNECT FULL SIZE TO UNIT SUPPLY.
15. SUPPLY DUCT AS HIGH AS POSSIBLE BETWEEN TRUSSES TO CLEAR R/A PLENUM.
16. SIZE RETURN AIR PLENUM TO CONNECT RETURN AIR GRILLE AND RETURN AIR CONNECTION ON UNIT.
17. 12" X 12" COMBUSTION AIR VENT WITH VENTILATOR ON ROOF. REFER TO STANDARD DETAIL SEE SHEET M2.
18. 25" X 20" S.A. DUCT. CONNECT FULL SIZE TO UNIT.
19. SUPPLY DUCT THRU TRUSSES, TYPICAL
20. SEE SHEET M2 FOR EQUIPMENT SCHEDULE

General Notes (M1)

1. EXCEPT FOR A/C UNIT #4, RETURN AIR PLENUMS OCCUR BELOW TRUSSES. DUCTWORK SHALL BE THREADED THROUGH TRUSS CHORDS WHERE REQUIRED. VERIFY EXACT LOCATION OF TRUSSES AND TRUSS CHORDS PRIOR TO FABRICATION OF DUCTWORK.
2. DUCT AND REGISTER LOCATIONS TAKE PRECEDENCE OVER PIPING AND CONDUIT.
3. REFER TO SHEET METAL WORK IN PROJECT MANUAL FOR DUCTWORK SPECIFICATIONS.
4. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF DUCT PENETRATIONS TO EXHAUST HOOD WITH KITCHEN EQUIPMENT CONTRACTOR PRIOR TO INSTALLING SUPPLY AIR DUCTWORK.
5. GRILLS TO BE PAINTED TO MATCH CEILING.
6. FURNISH IN RETURN AIR OF EACH ROOF TOP UNIT A DUCT MOUNTED FIRESTAT TO STOP SUPPLY FAN.
7. INSULATE ALL SUPPLY AND RETURN AIR DUCTWORK LOCATED IN CEILING SPACES PER SPECIFICATIONS. LINE ALL RETURN DUCT AND FIRST 10 FT. OF SUPPLY DUCT FOR AC-1, 2, & 3.
8. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE B.O.A.C. ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION.
9. ALL WORK AND EQUIPMENT SHALL CONFORM WITH THE REQUIREMENTS OF THE B.O.A.C. MECHANICAL CODE, NFPA 90A, NFPA 96 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
10. ALL FANS SUPPLY 1900 CFM OR MORE OF AIR TO ANY SPACE SHALL BE INSTALLED WITH A SMOKE DETECTOR. THE SMOKE DETECTOR SHALL BE WIRED TO STOP THE FAN AND TO SOUND AN AUDIBLY AND VISUAL ALARM UPON DETECTION OF SMOKE. PROVIDE SUPERVISORY SIGNAL UPON DETECTOR FAILURE. DECTOR SHALL BE IN THE SUPPLY DUCT.
11. STARTERS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
12. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT COORDINATE SWITCH TYPE FUSED OR NON-FUSED WITH EQUIPMENT CHARACTERISTICS AND ELECTRICAL DRAWINGS.
13. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE ALL EQUIPMENT SCHEDULED ON THE DRAWINGS.
14. SLPOE ALL HORIZONTAL GAS FLUE PIPING MIN. 1/4" PER FOOT.
15. GAS FLUE PIPING SHALL BE TYPE "B" U.L. LISTED METALBESTOS OR EQUAL.
16. TERMINATE ALL GAS FLUE PIPING THROUGH ROOF WITH TALL CONE FLASHING. STORM COLLAR AND U.L. LISTED METAL BESTOS CAP.

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REVISIONS:
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Applebee's Neighborhood Grill & Bar
VENICE, FLORIDA

FLOOR PLAN HVAC

M-1

DATE: 6/21/94

REISSUED FOR CONSTRUCTION