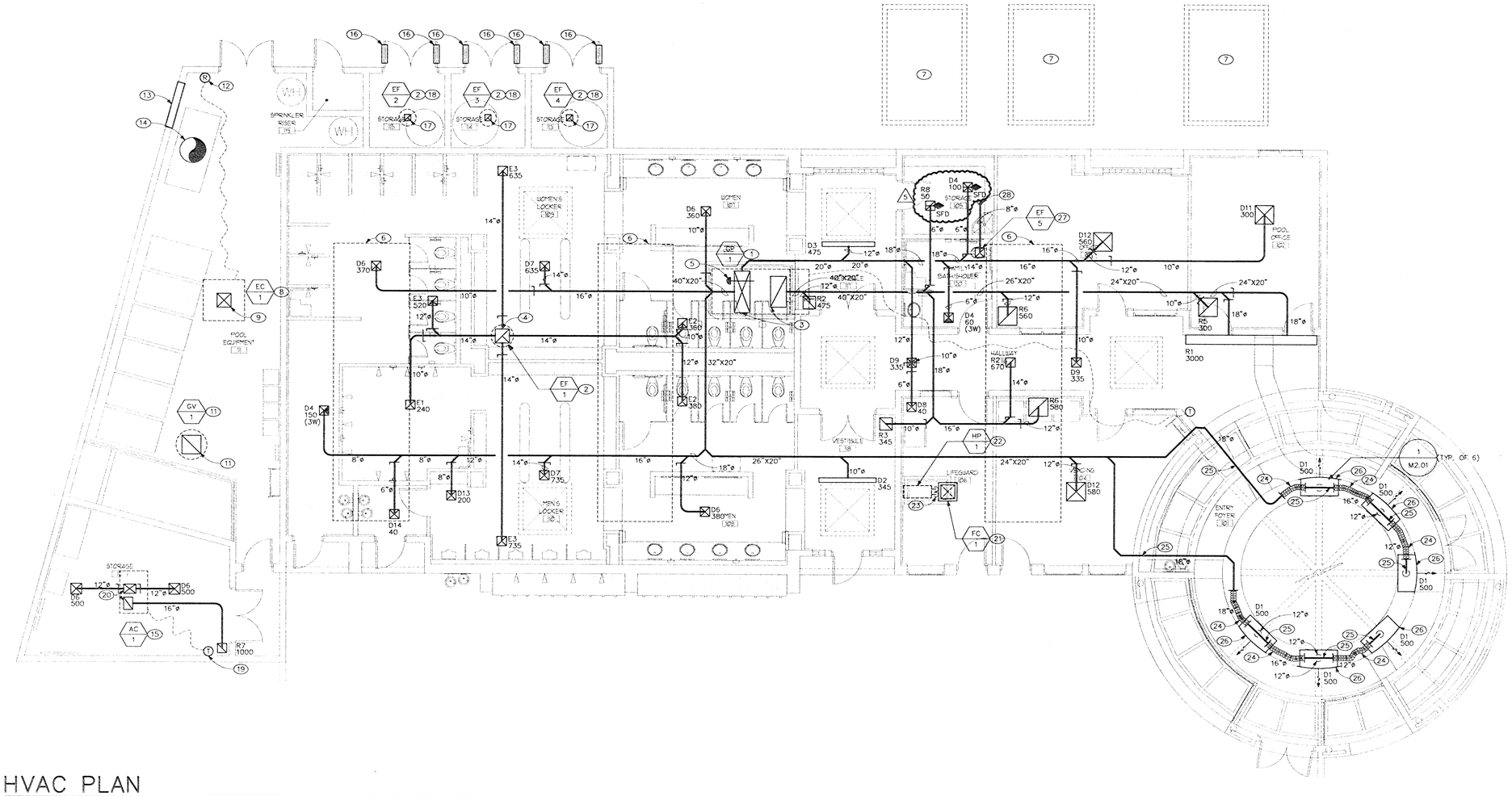


HVAC PLAN

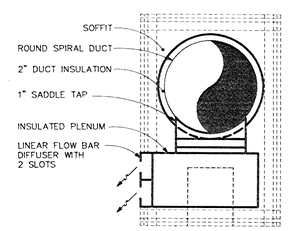
SCALE: 3/16" = 1' - 0"

GENERAL NOTES

1. THE MECHANICAL CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE UNIFORM MECHANICAL CODE AND ALL LOCAL CODE REQUIREMENTS.
2. DUCT SIZES SHOWN ARE THE NET DIMENSIONS INSIDE OF THE INSULATION.
3. ALL DUCTWORK SHALL BE SUSPENDED FROM STRUCTURE ABOVE.
4. ALL BRANCH SUPPLY, RETURN AND EXHAUST DUCTS SHALL BE FURNISHED WITH ADJUSTABLE VOLUME DAMPERS LOCATED AS CLOSE AS POSSIBLE TO THE MAIN DUCT. PROVIDE ACCESS DOORS OR REMOTE ACTUATORS IN GYP. BOARD CEILINGS OR WHERE DAMPERS ARE INACCESSIBLE.
5. VERIFY AND COORDINATE FRAME AND BORDER TYPES OF ALL AIR DISTRIBUTION DEVICES WITH ARCHITECTURAL CEILING PLANS PRIOR TO ORDERING.
6. REFER TO THE PLUMBING PLANS FOR SIZES AND ROUTING OF CONDENSATE DRAINS AND OVERFLOW DRAINS, WHERE APPLICABLE.
7. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE HEATING, VENTILATION AND AIR CONDITIONING WORK WITH STRUCTURAL, ELECTRICAL AND ALL OTHER TRADES THAT ARE AFFECTED.
8. PROVIDE INSULATED SUB BASE FOR THERMOSTATS MOUNTED ON AN EXTERIOR WALL AND MOUNT THERMOSTATS IN ACCORDANCE WITH ADA STANDARDS.
9. DUCT SIZES SHOWN ARE THE NET DIMENSIONS INSIDE THE INSULATION.

SHEET NOTES

1. MOUNT GAS PACKAGE UNIT ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
2. MOUNT EXHAUST FAN ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
3. 54"X20" SA AND 40"X20" RA DUCTS DOWN THRU ROOF.
4. 20"X20" EXHAUST DUCT DOWN THRU ROOF.
5. SMOKE DETECTOR IN SA DUCT.
6. FUTURE POOLPAK UNIT ON ROOF (10,000 LBS. OPERATING WT.)
7. FUTURE POOLPAK CONDENSING UNIT ON CONCRETE PAD (1190 LBS. OPERATING WT.)
8. MOUNT EVAPORATIVE COOLER ON ROOF PER MANUFACTURER'S RECOMMENDATIONS. SEE DIAGRAM 1/M0.01.
9. FULL SIZE SA DUCT DOWN THRU ROOF. TERMINATE WITH PYRAMID SHAPED DIFFUSION PLATE SUSPENDED A MAXIMUM OF 12" BELOW END OF DUCT. VERIFY TERMINATION HEIGHT OF DUCT SO THAT THE INSTALLATION DOES NOT INTERFERE WITH SPACE PROCESS.
10. MOUNT GRAVITY VENTILATOR ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
11. 24"X24" RELIEF OPENING IN ROOF.
12. ROTARY WALL SWITCH.
13. (1) CARNES MODEL NO. FLGA 60"(W)X36"(H) WEATHERPROOF ALUMINMUM LOUVER WITH BIRDSCREEN LOCATED WITHIN LOWER 12" OF WALL ABOVE FLOOR FOR COMBUSTION AIR (6.94 SQ. FT. NET FREE AREA). (1) CARNES MODEL NO. FLGA 60"(W)X36"(H) WEATHERPROOF ALUMINMUM LOUVER WITH BIRDSCREEN, LOCATED WITHIN UPPER 12" OF WALL BELOW CEILING FOR COMBUSTION AIR (6.94 SQ. FT. MIN. NET FREE AREA).
14. 32"ø FLUE UP FROM POOL HEATER THRU ROOF. TERMINATE WITH APPROVED FLUE CAP.
15. MOUNT AIR CONDITIONING UNIT ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
16. TITUS T-700L, 12"x6" PVC COATED STEEL OR PHENOLIC COATED STEEL DOOR GRILLE FOR CHLORINE AND ACID RESISTANCE.
17. 8"X8" PVC COATED STEEL EXHAUST DUCT UP TO EXHAUST FAN ON ROOF. PROVIDE PHENOLIC COATED OR PVC COATED STEEL WIRE GUARD ON DUCT OPENING.
18. INSIDE AND OUTSIDE OF EXHAUST FAN SHALL BE PHENOLIC COATED FOR CHLORINE AND ACID RESISTANCE.
19. MOUNT THERMOSTAT ON INSULATED SUB BASE.
20. 16"X12" SA AND RA DUCTS DOWN THRU ROOF.
21. SUSPEND CEILING MOUNTED FAN COIL PER MANUFACTURER'S RECOMMENDATIONS.
22. MOUNT HEAT PUMP UNIT ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
23. SIZE AND ROUTE INSULATED REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS.
24. INSULATED FLEXIBLE DUCT.
25. GALVANIZED SHEET METAL SPIRAL DUCT.
26. CURVED LINEAR FLOWBAR DIFFUSER APPROXIMATELY 4'-0" LONG.
27. SUSPEND CEILING EXHAUST FAN PER MANUFACTURER'S RECOMMENDATIONS.
28. 8"ø EXHAUST DUCT UP THRU ROOF. TERMINATE WITH MANUFACTURER'S ROOF CAP.



DUCT AT SOFFIT DIAGRAM

NO SCALE

1 / M2.01

APPROVAL IS FOR CLOUDED AREAS OR LATEST REVISIONS ONLY. SEE ORIGINALS FOR OTHER REQUIREMENTS

PLANS APPROVED PLUMBING/MECHANICAL
BW OCT 09 2001

№ 387023

RECEIVED
OCT 08 2001
CITY OF LAS VEGAS GENERAL PERMITS

LUCCHESI GALATI

CONSULTING ENGINEERS
HARRIS
PROJECT NO. 98240.30
DESIGNED BY: D. BURGER
CHECKED BY: R. HARRIS
DRAWN BY: T. ROMERO

HVAC PLAN

SUMMERLIN ARBORS PARK
POOL AND POOL BUILDING

Revisions: 1 10/01/01 MISCELLANEOUS REVISIONS

Date: 10-22-99
Project No. 98240.30
Scale: 1/8"=1'-0"
Drawn By: T.D.R.

Sheet Number: M2.01

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