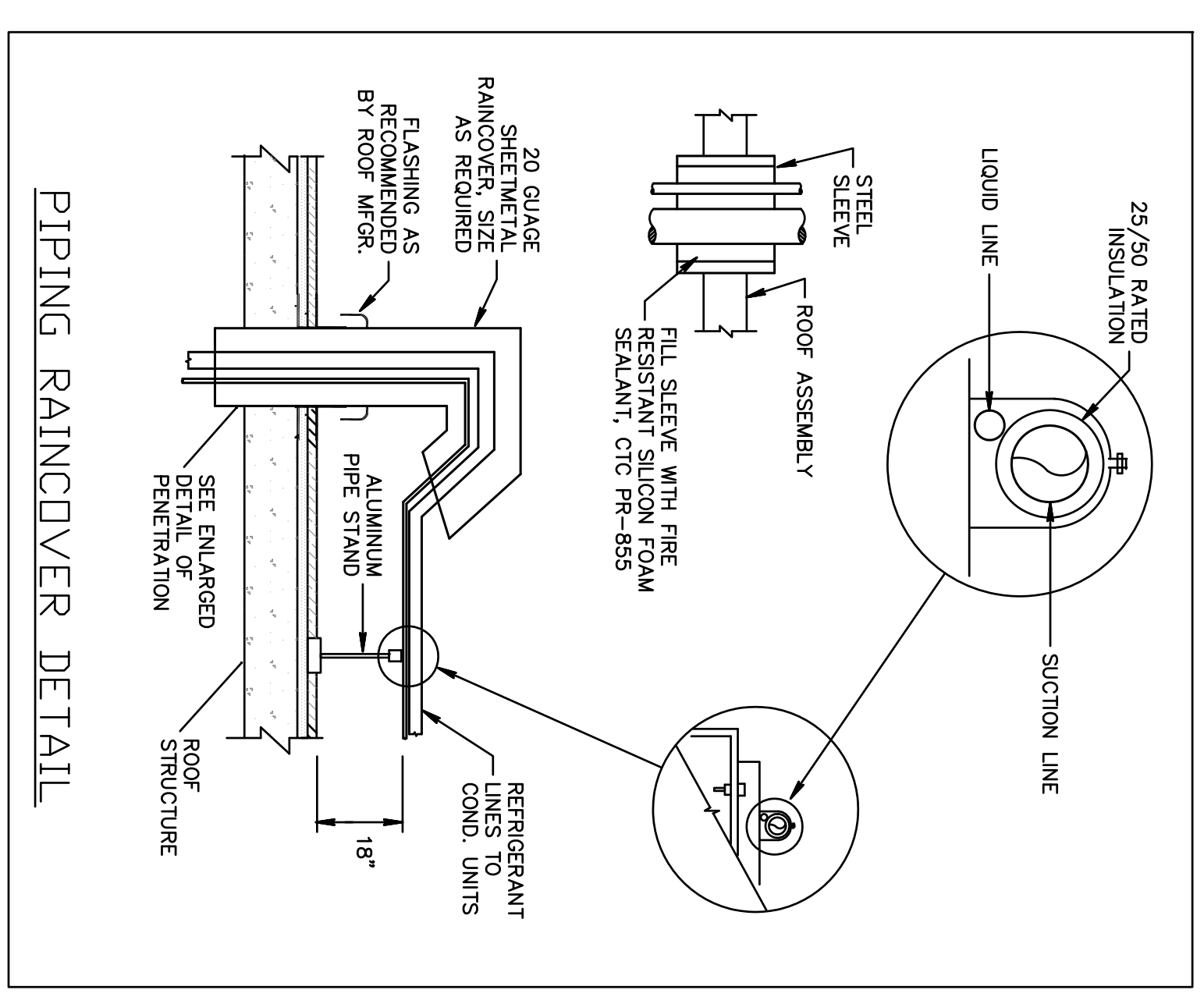


**MECHANICAL GENERAL NOTES:**

1. THESE DRAWINGS ARE DIAGNOSTIC. ALL GSEETS, FITTINGS, TRANSITIONS AND ACCESSORIES ARE NOT SHOWN. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL ITEMS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. DO NOT SCALE DRAWINGS FOR INSTALLATION.
2. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER BY LICENSED CONTRACTORS.
3. THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL NECESSARY FEES PERMITS, AND TESTS.
4. ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. NO CONTRACTOR SHALL BID UNLESS FAMILIAR WITH THESE CODES.
5. CORRECTION OF DEFECTS TO THIS WORK SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER. REPAIR AND REPLACEMENT FOR DAMAGE CAUSED BY THIS CONTRACTOR SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER.
6. ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS OF CONSTRUCTION.
7. THE CONTRACTOR SHALL INCLUDE THE WORK OF ALL REQUIRED SUB-CONTRACTORS, SUCH AS ELECTRICAL, INSULATING, TEST & BALANCE, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
8. EQUIPMENT SHALL BEAR A U.L. OR OTHER RECOGNIZED LABEL, NAMEPLATES, WIRING DIAGRAMS, AND ENERGY RATINGS AS APPLICABLE.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ACCESSORIES TO BE READY ACCESSIBLE FOR SERVICING, TESTING, BALANCING, AND REPLACEMENT.
10. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE AGAINST DEFECTS IN ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM ACCEPTANCE WITH FOUR ADDITIONAL YEARS OF WARRANTY ON COMPRESSORS.
11. THE CONTRACTOR SHALL PROVIDE THREE COPIES OF SUBMITTAL DATA, SHOP DRAWINGS, AND AT COMPLETION OF THE PROJECT TWO SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL PROJECT ITEMS.
12. PROVIDE ALL CONTROLS, STARTERS, CONTROL WIRING, DISCONNECTS, AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
13. THE HVAC CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, ON SITE, A DETAILED AS-BUILT PLAN SHOWING ACTUAL INSTALLATIONS. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE AGAINST DEFECTS UPON COMPLETION WHICH SHALL BE SUBMITTABLE FOR PERMISSION TO THE BUILDING DEPARTMENT AND TO THE OWNER.
14. PRIOR TO ACCEPTANCE BY THE OWNER THE SYSTEMS SHALL BE TESTED AND BALANCED BY THE CONTRACTOR. PROVIDE A WRITTEN REPORT.
15. SUPPLY AND INSTALL DUCT MOUNTED SMOKE DETECTORS AS REQUIRED.
16. COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
17. ALL GRILLES TO BE TITUS OR METALALUE UNLESS OTHERWISE NOTED. SIZES AS SHOWN ON PLANS, ALUMINUM CONSTRUCTION.
18. ALL DUCT WORK SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH SIMCOYA STANDARDS AND LOCAL BUILDING CODES.
19. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
20. ALL OUTSIDE AIR DUCTWORK SHALL BE SHEETMETAL WITH EXTERIOR R-6 INSULATION. INSULATION SHALL BE R-4.2 INSULATION IN CONCEALED SPACES, AND BOARD TYPE IN EXPOSED AREAS.
21. ALL EXHAUST AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SIMCOYA STANDARDS.
22. FLEXIBLE DUCT, WHERE SHOWN, SHALL BE U.L. CLASS 1, R-6 INSULATION.
23. LOW PRESSURE SUPPLY AND RETURN RECTANGULAR DUCTWORK IS RIGID DUCTBOARD, 1 IN. THICK, R-4.2 INSULATION.
24. PROVIDE ELBOW TURNING VANES IN ALL RECTANGULAR DUCTS WHERE TURNS ARE GREATER THAN 45 DEGREES.
25. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS.
26. VERIFY ALL THERMOSTAT LOCATIONS WITH THE LANDLORD.
27. CONDENSATE DRAIN PIPING SHALL BE ABOVE GRADE COPPER DRAIN, WASTE AND VENT FINISHES. INSULATE ALL CONDENSATE PIPING W/3/4\"/>



**SPLIT A/C SYSTEM SCHEDULE**

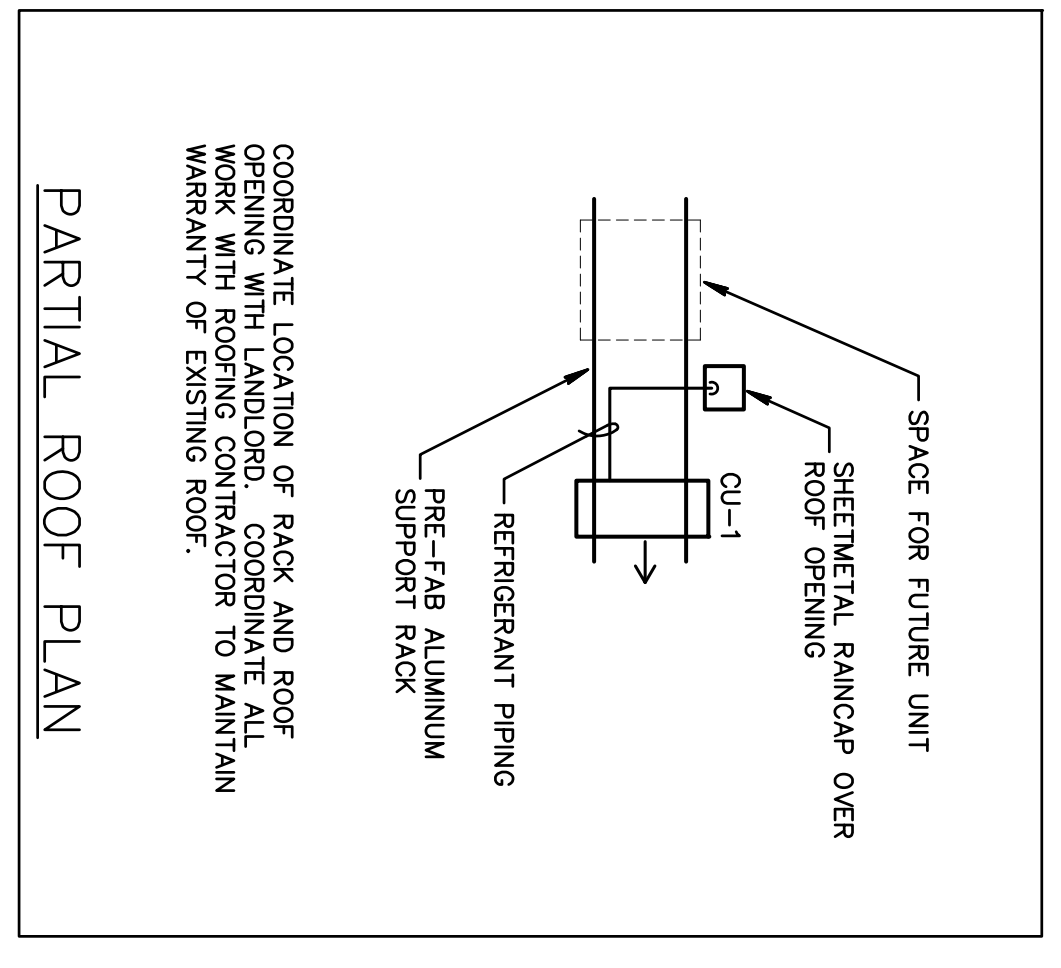
SYSTEM	CONDENSING UNIT	AIR HANDLING UNIT
AHU TAG		AHU-1
MODEL #		40NDC024
FAN MOTOR HP.		64 WATTS
FAN MOTOR FLA		0.38
HEATER KW/STEPS		- / -
SUPPLY AIR CFM @ EXT. SP.		645 @ 0.0
OUTSIDE AIR CFM		-
POWER - VOLTS/PHASE		208/1/60
MCA / MSCP		0.3 / 15
OPERATING WEIGHT (LBS)		31
DIMENSIONS (LXWXH)		43X8X12
CU TAG		CU-1
MODEL #		38HD7024
NOMINAL TONS (TOTAL)		2.0
COMPRESSOR RLA		12.8
FAN MOTOR FLA		0.8
POWER - VOLTS/PHASE		208/1/60
MCA / MSCP		1.6 / 25
OPERATING WEIGHT (LBS)		176
DIMENSIONS (LXWXH)		31X18X37
MANUFACTURER		CARRIER
TOTAL SENSIBLE MBH		14.2
TOTAL COOLING MBH		22.2
BATING 3/8\"/>		

**NOTES:**

1. PROVIDE 5 MINUTE ANTI-SHORT CYCLE RELAY.
2. CARRIER HARD WIRED WALL MOUNT CONTROLLER.
3. SIZE AND RUN REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE VIBRATION ISOLATORS PER MANUFACTURER'S RECOMMENDATIONS.
5. INSULATE REFRIGERANT SUCTION LINE WITH 1\"/>

**ABBREVIATIONS**

S/A	SUPPLY AIR
R/A	RETURN AIR
CFM	CUBIC FEET PER MINUTE.
AHU	AIR HANDLING UNIT
CU	CONDENSING UNIT

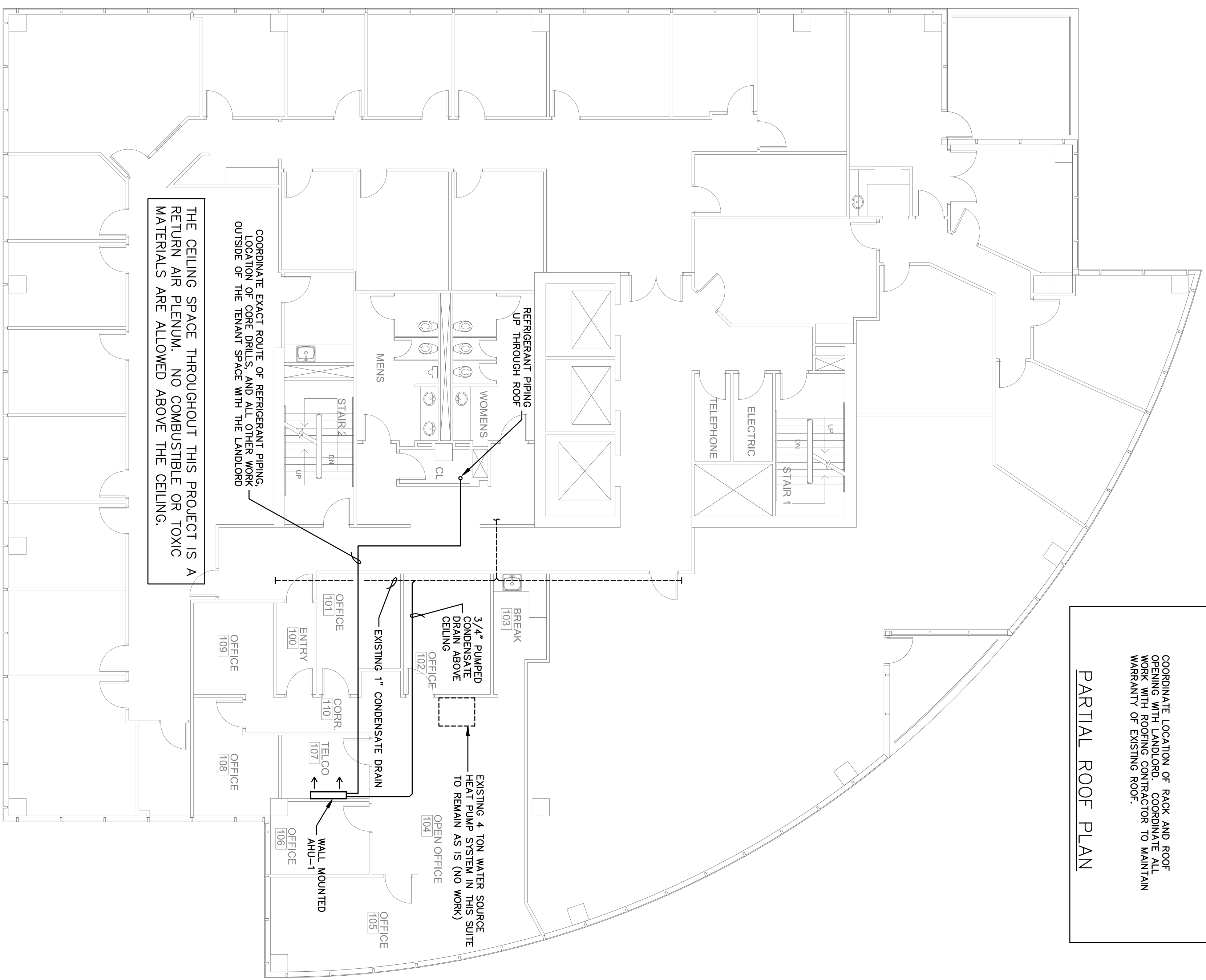


REFRIGERANT PIPING UP THROUGH ROOF

3/4\"/>

COORDINATE EXACT ROUTE OF REFRIGERANT PIPING, LOCATION OF CORE DRILLS, AND ALL OTHER WORK OUTSIDE OF THE TENANT SPACE WITH THE LANDLORD

THE CEILING SPACE THROUGHOUT THIS PROJECT IS A RETURN AIR PLENUM. NO COMBUSTIBLE OR TOXIC MATERIALS ARE ALLOWED ABOVE THE CEILING.



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

**Gilman & Associates, Inc.**  
MECHANICAL & ELECTRICAL ENGINEERS  
507 NORTH LAKESIDE DRIVE  
Lake Worth, FL 33460 CA. 009078  
(561) 582-0210 Fax (561) 582-8212  
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fax 772-409-8684  
AA26001615

**HDR**  
1400 CENTREPARK  
1400 CENTREPARK DRIVE #720  
WEST PALM BEACH, FL  
PROJECT NUMBER CP31

**REVISIONS**

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**DRAWN BY DR CD**  
5-10-12

**M-1**