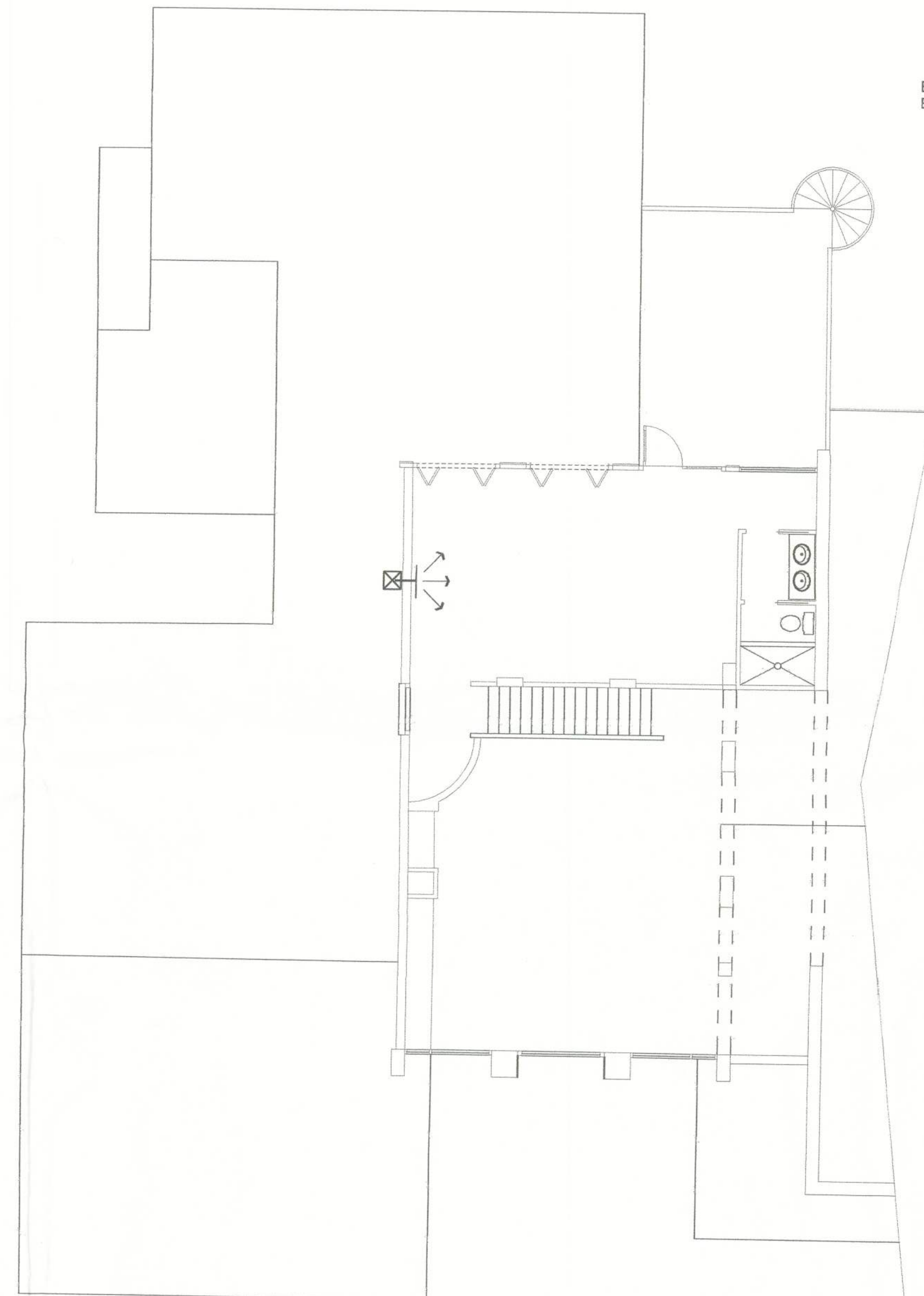


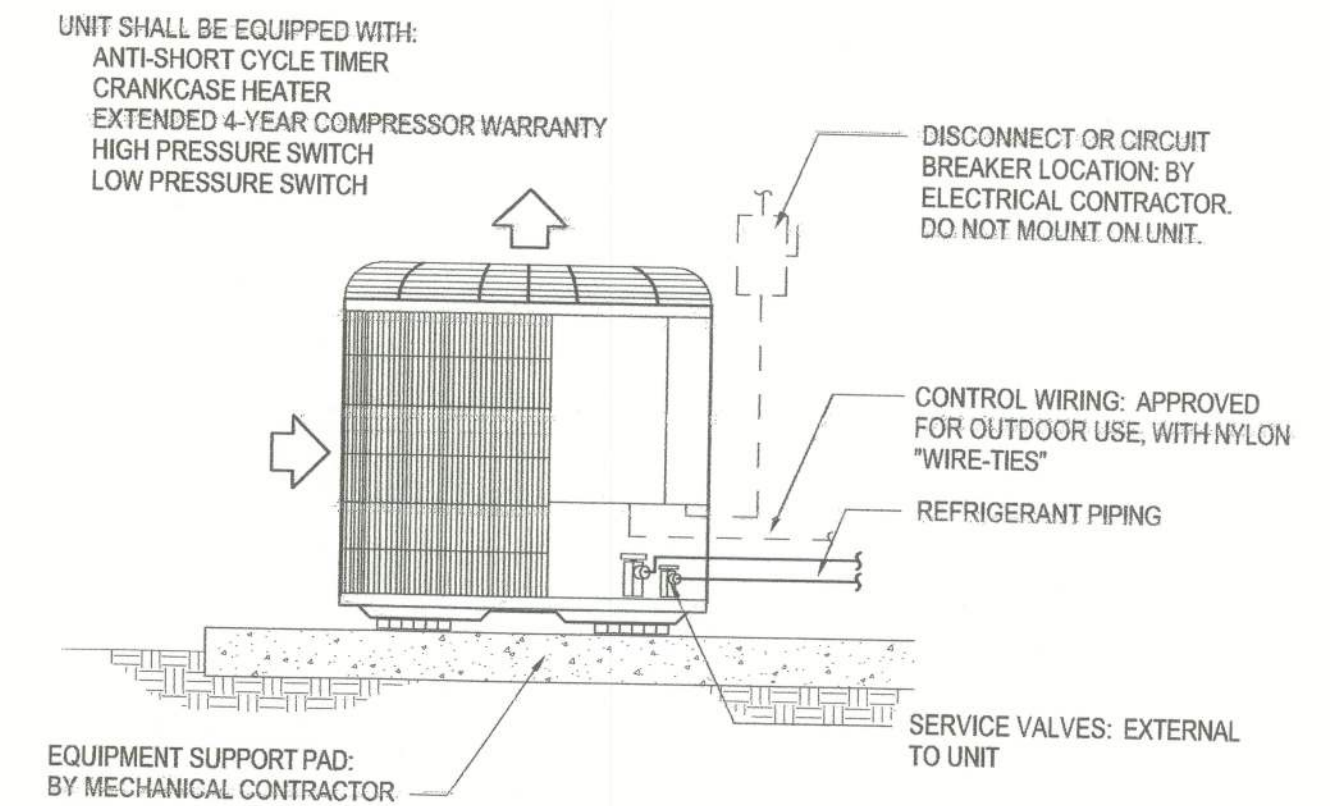
MECHANICAL PLAN - FIRST FLOOR

1/8" = 1' - 0"



MECHANICAL PLAN - SECOND FLOOR

1/8" = 1' - 0"



CONDENSING UNIT DETAIL

NOT TO SCALE

HVAC EQUIPMENT AND DUCTS TO BE SIZED BY MECHANICAL SUB-CONTRACTOR

### HVAC GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES. THIS IS TO INCLUDE THE 2001 FLORIDA BUILDING CODE, APPLICABLE NFPA CODES, AND THE FLORIDA ENERGY CODE.
2. ALL ELECTRICAL EQUIPMENT SHALL BE UL CLASSIFIED OR LISTED.
3. TEST & BALANCE SHALL BE PERFORMED BY THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL HAVE ALL SYSTEMS FULLY INSTALLED AND OPERATIONAL, WITH CLEAN FILTERS PRIOR TO TEST & BALANCE.

### CONTROLS

1. ALL TEMPERATURE CONTROLS SHALL BE 24 VOLT, AS PROVIDED BY THE MECHANICAL CONTRACTOR.
2. THERMOSTAT SHALL BE BY THE UNIT MANUFACTURER (NO SUBSTITUTIONS), WITH STAGES OF COOLING AND HEATING TO MATCH THE UNITS SELECTED. MOUNT THERMOSTAT SUBCONTRACTOR.
3. EXHAUST FANS SHALL BE CONTROLLED VIA WALL SWITCH.
4. LOW VOLTAGE (24 VOLT) CONTROL WIRING SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
5. LINE VOLTAGE (110 VOLT AND HIGHER) POWER WIRING & CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.
6. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL DISCONNECT SWITCHES. DO NOT MOUNT DISCONNECT SWITCHES OVER NAMEPLATES OR OVER SERVICE PANELS.

### AIR CONDITIONING EQUIPMENT

1. THE AIR CONDITIONING EQUIPMENT SHALL BE SPLIT SYSTEM LP FURNACE WITH ELECTRIC COOLING.
2. ALL EQUIPMENT SHALL MEET THE MINIMUM EER REQUIREMENTS OF THE FLORIDA ENERGY CODE: 5 TON & BELOW = 12.0 SEER.
3. TRANE IS THE BASIS OF DESIGN, WITH CARRIER AS AN APPROVED ALTERNATE MANUFACTURER PROVIDED THEY MEET THE PLANS AND SPECIFICATIONS. IF CARRIER IS TO BE SUBMITTED, THE CONTRACTOR SHALL MAKE NECESSARY CHANGES TO THE ELECTRICAL, STRUCTURAL, OR DUCTWORK TO ACCOMMODATE THE SUBSTITUTION.
4. SUBMITTALS SHALL BE REVIEWED BY THE ELECTRICAL SUBCONTRACTOR, FOR IMPACT ON THE ELECTRICAL, PRIOR TO ORDERING EQUIPMENT.
5. ALL AIR CONDITIONING UNITS SHALL INCLUDE A MINIMUM ONE YEAR UNIT WARRANTY AND EXTENDED 4-YEAR COMPRESSOR WARRANTY.
6. REFRIGERANT PIPING SHALL BE PROVIDED AS SHOWN ON THE PLAN. PIPING OUTSIDE OF THE BUILDING SHALL BE HARD COPPER, PLUMB WITH BUILDING LINES AND INSTALLED IN A NEAT AND WORKMAN-LIKE MANNER.
7. CONDENSATE DRAIN PIPING SHALL BE ROUTED FROM AIR HANDLING UNITS TO SPILL ON PERVIOUS GRADE. PIPING SHALL BE SCHEDULE 40 PVC, SLOPED AT 1/8" PER FOOT AND INSULATED WITH 1/2" ARMAFLEX INSULATION FULL LENGTH. THE P-TRAP SHALL BE PROVIDED WITH REMOVABLE CAPS, AT BOTH INLET AND OUTLET, OF THE TRAP.
8. THE AIR CONDITIONING UNITS SHALL BE OPERATED DURING CONSTRUCTION WITH THROW-AWAY FILTERS. FILTERS SHALL BE CHANGED DURING CONSTRUCTION IF THEY BECOME RESTRICTIVE OF AIR-FLOW FOR NORMAL OPERATION. PROVIDE REPLACEABLE MEDIA FILTERS, WITH METAL FILTER FRAMES JUST PRIOR TO TEST & BALANCE.
9. THE EVAPORATOR COILS AND FANS, FOR ALL AIR HANDLING UNITS, SHALL BE CLEANED AFTER CONSTRUCTION AND JUST PRIOR TO TEST & BALANCE.
10. UNITS SHALL BE CLEANED, ALL SCRATCHES SHALL BE COMBED OUT, AND ALL PANELS AND SCREWS SHALL BE RE-INSTALLED AT COMPLETION OF THE PROJECT.