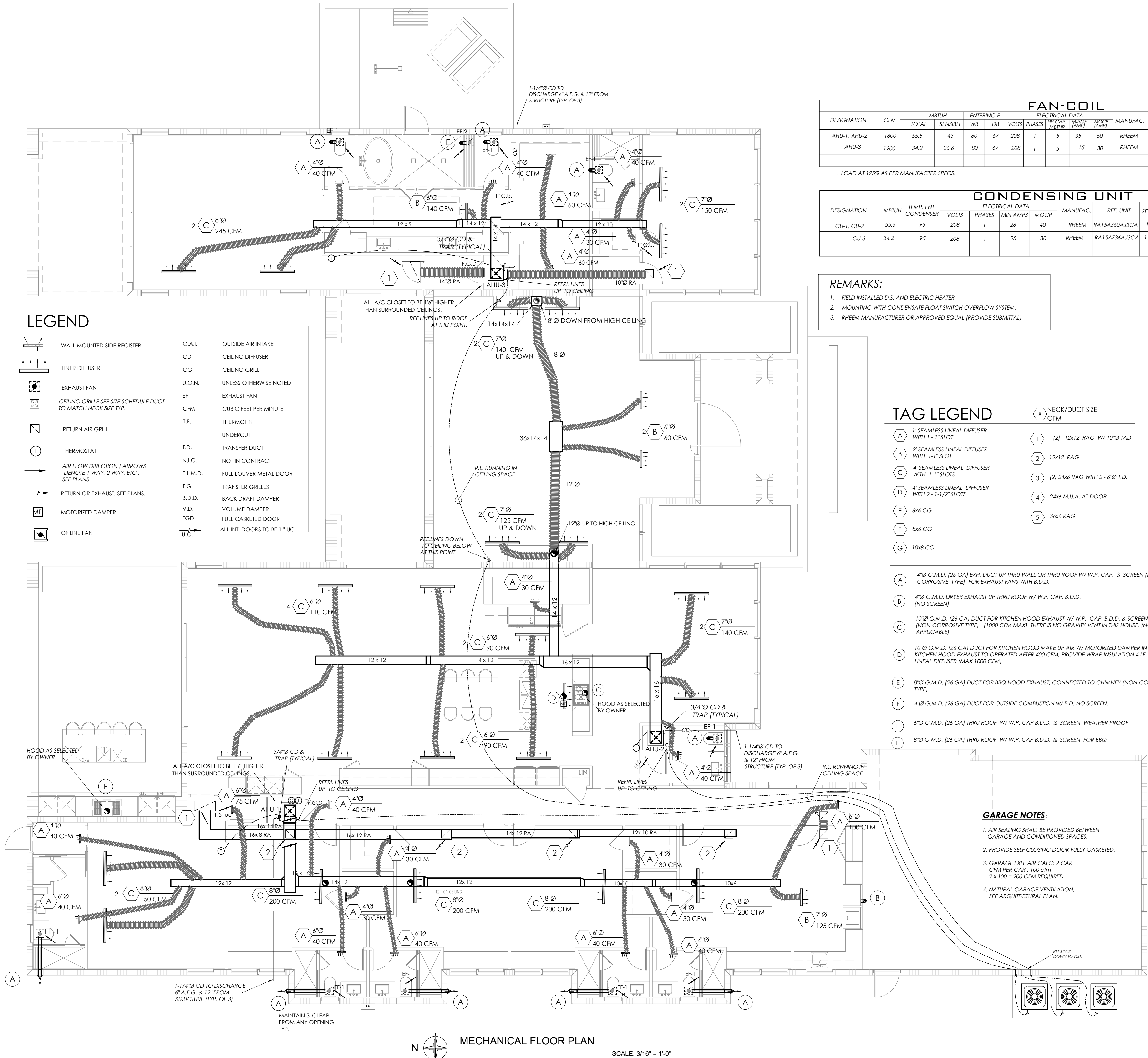


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| FAN-COIL     |      |       |          |            |    |                 |        |                   |              |               |       |                 |                  |                                       |                 |      |       |  |
|--------------|------|-------|----------|------------|----|-----------------|--------|-------------------|--------------|---------------|-------|-----------------|------------------|---------------------------------------|-----------------|------|-------|--|
| DESIGNATION  | CFM  | MBTUH |          | ENTERING F |    | ELECTRICAL DATA |        |                   |              |               |       | MANUFAC.        | REF. UNIT        | DIMENSIONS<br>(INCHES)<br>(L x W x H) | WEIGHT<br>(LBS) | OBS  |       |  |
|              |      | TOTAL | SENSIBLE | WB         | DB | VOLTS           | PHASES | HP CAP.<br>MBT/HR | MAX<br>(AMP) | MOCP<br>(AMP) | LIQ.  |                 |                  |                                       |                 | SUC. | COND. |  |
| AHU-1, AHU-2 | 1800 | 55.5  | 43       | 80         | 67 | 208             | 1      | 5                 | 35           | 50            | RHEEM | RH2TZ6024STANNJ | 24x22x55.5       | 160                                   | 3/8             | 7/8  | 1     |  |
| AHU-3        | 1200 | 34.2  | 26.6     | 80         | 67 | 208             | 1      | 5                 | 15           | 30            | RHEEM | RH2TZ3621MTANNJ | 21.8 x 17.5x41.5 | 126                                   | 3/8             | 7/8  | 1     |  |
|              |      |       |          |            |    |                 |        |                   |              |               |       |                 |                  |                                       |                 |      |       |  |

+ LOAD AT 125% AS PER MANUFACT. SPECS.

| DESIGNATION |  | MBTUH | TEMP. ENT.<br>CONDENSER | ELECTRICAL DATA |        |          |      |  | MANUFAC. | REF. UNIT     | SEER2 | DIMENSIONS<br>(INCHES)<br>(L x W x H) | WEIGHT<br>(LBS) | AREA SERVED | REMARKS |
|-------------|--|-------|-------------------------|-----------------|--------|----------|------|--|----------|---------------|-------|---------------------------------------|-----------------|-------------|---------|
|             |  |       |                         | VOLTS           | PHASES | MIN AMPS | MOCP |  |          |               |       |                                       |                 |             |         |
|             |  |       |                         |                 |        |          |      |  |          |               |       |                                       |                 |             |         |
| CU-1, CU-2  |  | 55.5  | 95                      | 208             | 1      | 26       | 40   |  | RHEEM    | RA15AZ60AJ3CA | 15.2  | 38.4x38.4x51                          | 289             | SHOWN       | 1, 2, 3 |
| CU-3        |  | 34.2  | 95                      | 208             | 1      | 25       | 30   |  | RHEEM    | RA15AZ36AJ3CA | 15.2  | 35.7x35.7x27                          | 195             | SHOWN       | 1, 2, 3 |

REMARKS:

- FIELD INSTALLED D.S. AND ELECTRIC HEATER.
- MOUNTING WITH CONDENSATE FLOAT SWITCH OVERFLOW SYSTEM.
- RHEEM MANUFACTURER OR APPROVED EQUAL (PROVIDE SUBMITAL)

PROVIDE 1" UNDER CUTS AT DOORS AT BATH OR TOILET ROOMS.

NOTE:  
ALL DISCHARGES ARE 3'-0" AWAY FROM ANY OPERABLE OR AIR INTAKE.

PROVIDE 1" UNDER CUTS AT DOORS WITH TRANSFER OR R.A.G.

NOTE:  
ALL ENVIRONMENTAL AIR EXHAUST AT A MINIMUM OF 3'-0" FROM OPERABLE WINDOWS.

ALL BRANCH TAKE OFF SHALL BE PROVIDED W/ AIR FLOW ADJUSTABLE VOLUME DAMPER OR GRILLES ARE TO BE PROVIDED WITH OPPOSED BLADE DAMPERS, NO EXCEPTION

TAG LEGEND

- A 1" SEAMLESS LINEAL DIFFUSER WITH 1 - 1" SLOT
- B 2" SEAMLESS LINEAL DIFFUSER WITH 1-1" SLOT
- C 4" SEAMLESS LINEAL DIFFUSER WITH 1-1" SLOTS
- D 4" SEAMLESS LINEAL DIFFUSER WITH 2 - 1-1/2" SLOTS
- E 6x6 CG
- F 8x6 CG
- G 10x8 CG

- X NECK/DUCT SIZE CFM
- 1 (2) 12x12 RAG W/ 10" TAD
- 2 12x12 RAG
- 3 (2) 24x6 RAG WITH 2 - 6" T.D.
- 4 24x6 M.U.A. AT DOOR
- 5 36x6 RAG

- A 4" G.M.D. (26 GA) EXH. DUCT UP THRU WALL OR THRU ROOF W/ W.P. CAP. & SCREEN (NON CORROSIVE TYPE) FOR EXHAUST FANS WITH B.D.D.
- B 4" G.M.D. DRYER EXHAUST UP THRU ROOF W/ W.P. CAP. B.D.D. (NO SCREEN)
- C 10" G.M.D. (26 GA) DUCT FOR KITCHEN HOOD EXHAUST W/ W.P. CAP. B.D.D. & SCREEN (NON-CORROSIVE TYPE) - (1000 CFM MAX). THERE IS NO GRAVITY VENT IN THIS HOUSE. (NO APPLICABLE)
- D 10" G.M.D. (26 GA) DUCT FOR KITCHEN HOOD MAKE UP AIR W/ MOTORIZED DAMPER INTERLOCKED WITH KITCHEN HOOD EXHAUST TO OPERATED AFTER 400 CFM, PROVIDE WRAP INSULATION 4 LF W/ 2-1" SLOTS LINEAL DIFFUSER (MAX 1000 CFM)
- E 8" G.M.D. (26 GA) DUCT FOR BBQ HOOD EXHAUST, CONNECTED TO CHIMNEY (NON-CORROSIVE TYPE)
- F 4" G.M.D. (26 GA) DUCT FOR OUTSIDE COMBUSTION W/ B.D. NO SCREEN.
- E 6" G.M.D. (26 GA) THRU ROOF W/ W.P. CAP B.D.D. & SCREEN WEATHER PROOF
- F 8" G.M.D. (26 GA) THRU ROOF W/ W.P. CAP B.D.D. & SCREEN FOR BBQ

IN ACCORDANCE WITH FLORIDA BUILDING CODE, RESIDENTIAL ENERGY EFFICIENCY, SECTION 403.3.3, THE DUCTS SHALL BE PRESSURE TESTED TO DETERMINE AIR LEAKAGE. THE RESULTS SHALL BE IN ACCORDANCE WITH SECTION R403.3.4

NOTE:  
COMPLY WITH BLOWER DOOR TEST AS PER FBC M-401.2 AND FBC EC R-402.4.1.2 WHEN TEST RESULT IS LESS THAN 3.0 MECHANICAL VENTILATION IS REQUIRED (NOT NEEDED)

INFILTRATION NOTE:

WHERE THE AIR INFILTRATION RATE IN A DWELLING UNIT IS LESS THAN 3 AIR CHANGES PER HOUR WHEN TESTED WITH A BLOWER DOOR AT A PRESSURE OF 0.2 INCH WATER COLUMN (50 PA) IN ACCORDANCE WITH SECTION 402.4.1.2 OF THE FLORIDA BUILDING CODE, ENERGY CONSERVATION, THE DWELLING UNIT SHALL BE VENTILATED BY MECHANICAL MEANS IN ACCORDANCE WITH SECTION 403 (DWELLING UNITS), WHERE THE DWELLING TEST REPORT MORE THAN 7 ACH THE ENVELOPE SHALL BE PROPERLY SEAL FOR COMPLIANCE.

| HVAC DESIGN REQUIREMENT:               | YES | NO |
|----------------------------------------|-----|----|
| DUCT SMOKE DETECTOR                    |     | X  |
| FIRE DAMPER(S)                         |     | X  |
| SMOKE DAMPER(S)                        |     | X  |
| FIRE RATE ENCLOSURE                    |     | X  |
| FIRE RATED ROOF/FLOOR CEILING ASSEMBLY |     | X  |
| FIRE STOPPING                          |     | X  |
| SMOKE CONTROL                          |     | X  |
| THERMOSTAT (PROGRAMMABLE)              | X   |    |
| ENVELOPE LEAKAGE TEST                  | X   |    |

GARAGE NOTES:

- AIR SEALING SHALL BE PROVIDED BETWEEN GARAGE AND CONDITIONED SPACES.
- PROVIDE SELF CLOSING DOOR FULLY GASKETED.
- GARAGE EXH. AIR CALC: 2 CAR CFM PER CAR : 100 cfm 2 x 100 = 200 CFM REQUIRED
- NATURAL GARAGE VENTILATION, SEE ARCHITECTURAL PLAN.

**CMBeng**  
Consulting • Design  
CMB eng llc. • Miami, Florida 33185  
14850 SW 26 St. #215 • O. 786.375.5348 • CMB@CMBeng.com

L.C. No. 35097  
Edmundo Largaspada, P.E.  
Professional Engineer  
P.E. No. 0058915

**PASCUAL PEREZ KILIDDJIAN STARR**  
ARCHITECTS + PLANNERS

LICENSE # AA 26001357  
EDGARDO PEREZ, AIA  
LICENSE NO.: AR 0015394  
MARIO P. PASCUAL, AIA  
LICENSE NO.: AR 0008254  
PETER KILIDDJIAN, RA  
LICENSE NO.: AR 0093067  
ANDREW STARR, RA  
LICENSE NO.: AR 0095130

AT THE BEACON CENTER  
1330 NW 84th AVENUE  
DORAL, FLORIDA 33126  
TELEPHONE: (305) 592-1343  
FACSIMILE: (305) 592-6865  
http://www.ppkarch.com

**REVISIONS:**

**OWNER:**  
HERITAGE HOME BUILDERS, LLC  
9350 SOUTH DIXIE HIGHWAY  
SUITE 1500  
MIAMI, FL 33156  
PHONE: 305.665.3077

**NEW CONSTRUCTION AT PINECREST RESIDENCE:**  
BY HERITAGE HOME BUILDERS, LLC  
7725 SOUTHWEST 114 STREET  
VILLAGE OF PINECREST, FL 33156

**MECHANICAL FLOOR PLAN**  
DATE: 03/23/2023  
SCALE: AS SHOWN  
DRAWN:  
CHECK BY:  
JOB NO.: 23\_0012

**M-1**

SHEET NO.: