

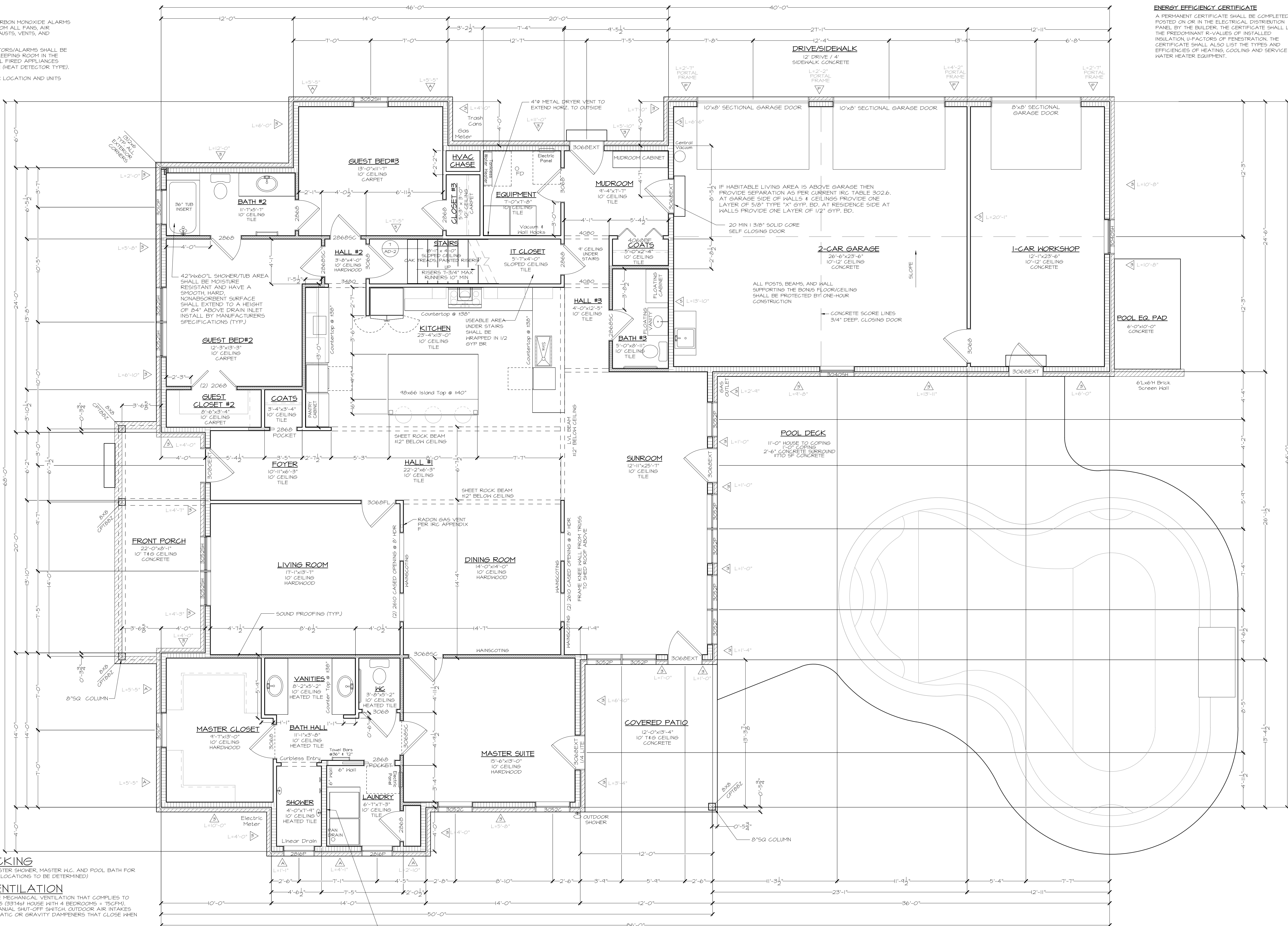
**NOTE:**

ALL SMOKE DETECTORS/CARBON MONOXIDE ALARMS SHALL BE A MIN. OF 36" FROM ALL FANS, AIR CIRCULATION DEVICES, EXHAUSTS, VENTS, AND BATHROOM OPENINGS.

CARBON MONOXIDE DETECTORS/ALARMS SHALL BE LOCATED OUTSIDE EACH SLEEPING ROOM IN THE IMMEDIATE VICINITY OF FUEL FIRED APPLIANCES AND IN ATTACHED GARAGE (HEAT DETECTOR TYPE).  
SEE FIRE ALARM PLAN FOR LOCATION AND UNITS

**ENERGY EFFICIENCY CERTIFICATE**

A PERMANENT CERTIFICATE SHALL BE COMPLETED AND POSTED ON OR IN THE ELECTRICAL DISTRIBUTION PANEL BY THE BUILDER. THE CERTIFICATE SHALL LIST THE PREDOMINANT R-VALUES OF INSTALLED INSULATION, U-FACTORS OF FENESTRATION. THE CERTIFICATE SHALL ALSO LIST THE TYPES AND EFFICIENCIES OF HEATING, COOLING AND SERVICE WATER HEATER EQUIPMENT.



**HANDICAP BLOCKING**

BLOCKING TO BE INSTALLED IN MASTER SHOWER, MASTER W.C., AND POOL BATH FOR HANDICAP GRAB BARS (HEIGHTS & LOCATIONS TO BE DETERMINED)

**MECHANICAL VENTILATION**

PROVIDE CONTINUOUS WHOLE-HOUSE MECHANICAL VENTILATION THAT COMPLIES TO CURRENT IRC N103.6 SECTION M1025 (B3714) HOUSE WITH 4 BEDROOMS + 75CFM. SYSTEM TO BE EQUIPPED WITH A MANUAL SHUT-OFF SWITCH. OUTDOOR AIR INTAKES AND EXHAUSTS SHALL HAVE AUTOMATIC OR GRAVITY DAMPENERS THAT CLOSE WHEN THE SYSTEM IS NOT OPERATING.

**GEOTHERMAL HVAC SYSTEM**

GEOTHERMAL HVAC SYSTEM TO BE VERTICAL CLOSED OR OPEN SYSTEM, WITH UNIT INSTALLED ON CONCRETE PAD IN HVAC/CRAWL SPACE ACCESS ROOM WITH UNIT ISOLATION.  
SYSTEM TO INCLUDE -  
PROGRAMMABLE THERMOSTATS  
WHOLE HOUSE AIR FILTER SYSTEM  
FRESH AIR - BALANCED VENTILATION SYSTEM (HRV/ERV)  
INSULATED DUCTWORK TO HAVE 4 ZONES - MASTER, GUEST BEDS 2-3 & BATH 2, MAIN LEVEL (KITCHEN, LR, DR, SUNROOM, MIDROOM) AND BONUS LEVEL  
VENTING - ATTIC INLINE UNIT IN MASTER BATH WITH 3 INLETS, BATHS 2-4, KITCHEN COOKTOP HOOD WITH 8" DUCTING, TANKLESS WATER HEATER, DRYER VENT.  
EXHAUST FANS TO BE PROVIDED BY CLIENT AND WILL HAVE 0.5 SONES UNITS.  
DEHUMIDIFIER TO BE INSTALLED IN CRAWL SPACE WITH SUPPLY & RETURN.  
HVAC UNIT DRAINAGE CONNECTED TO CRAWL SPACE SUMP PUMP SYSTEM.

**MAIN LEVEL FLOOR PLAN**

FOR NOTES AND BRACED WALL SCHEDULE SEE A-2

ALL EXTERIOR WALLS SHALL HAVE A R-19 BATT INSULATION ALL ATTIC AREAS TO HAVE MIN. R-38 INSULATION. ALL RAISED FLOOR AREAS TO HAVE R-19 INSULATION. ALL WINDOWS SHALL HAVE A MAXIMUM U-FACTOR OF 0.35. ALL POSTS, BEAMS, AND WALL SUPPORTING THE FLOOR/CEILING SHALL BE PROTECTED BY ONE-HOUR CONSTRUCTION. ALL EXTERIOR WALLS TO BE WRAPPED WITH 1/2" ZIP SYSTEM. MAKING ALL EXTERIOR WALLS A TYPE #3 BRACED WALL SYSTEM. ALL INTERIOR WALLS WITH FOUNDATIONS ARE TO BE 1/2" GYP. BOARD, MAKING ALL INTERIOR WALLS WITH FOUNDATIONS A TYPE #5 BRACED WALL SYSTEM.

REVISIONS	BY
8/8/20	AH
HEN19036_A1	
PROJECT	
HENDERSON RESIDENCE 3315 OLD PLANTATION WAY MARYVILLE, TN 37804	
MAIN LEVEL FLOOR PLAN	
A&R DESIGN & DRAFTING SERVICE 320 CRESVIEW CIRCLE LENOX CITY, TENNESSEE 37112 (865) 598-8512 RDJ@A&R.COM	
DATE 9/10/19	
SCALE 1/4"=1'-0" at 24x36	
DRAWN AH/RJ	
JOB HEN19036	
SHEET	
A-1	
OF SHEETS	