

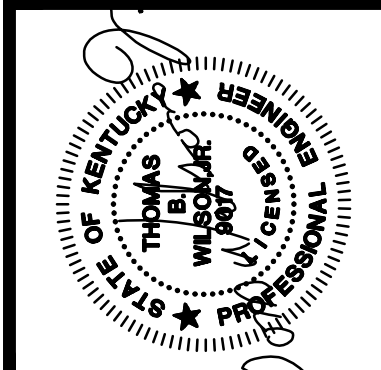
HVAC PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES

- ① IU-1, IU-2, IU-3, & OU-1; IU-1,2,3, KMIR327-3F09, OU-1; KMIR 327-H, OU-2, IU-4, KSOQ012 (IU) KSIQ012-HIB-OSEER, 60' LINE SET.
- ② KLIMARE MODEL NUMBERS, SEPARATE THERMOSTAT FOR EACH INDOOR UNIT, PERMANENTLY MOUNT REMOTE THERMOSTATS, WITH TWO 15' AND ONE 25' INSTALLATION KITS, 208V, SINGLE PHASE, 30 AMPS. INDOOR UNITS FEED FROM OUTDOOR UNITS, "SNAP" TYPE DISCONNECT AT EACH INDOOR UNIT, FIBER MOUNTING PAD FOR EACH OUTDOOR UNIT, 1 YEAR PARTS WARRANTY, 5 YEAR COMPRESSOR WARRANTY.
- ③ SEPARATE THERMOSTAT FOR EACH INDOOR UNIT, PERMANENTLY MOUNT REMOTE THERMOSTATS, WITH TWO 15' AND ONE 25' INSTALLATION KITS, 208V, SINGLE PHASE, 35 AMPS. INDOOR UNITS FEED FROM OUTDOOR UNITS, "SNAP" TYPE DISCONNECT AT EACH INDOOR UNIT, FIBER MOUNTING PAD FOR EACH OUTDOOR UNIT, 1 YEAR PARTS WARRANTY.
- ④ EF-1: GREENHECK SP-A90-QD, 70 CFM AT 1/4" S.P., 70 CFM, 50 WATTS UP TO GREENHECK RCC-7 ROOF CAP (WITH BIRD SCREEN), 12" HIGH ROOF CURB, FAN ON / OFF WITH BATHROOM LIGHT SWITCH, BUILT-IN SPEED ADJUSTMENT.
- ⑤ EF-2: GREENHECK 1-440, 900 CFM AT 0.25" S.P., DIRECT DRIVE, SPEED CONTROL, 1/6 HP, 120V, WITH WALL HOUSING, SHUTTER AND INSECT DRIVE, 14" DIAMETER FAN.
- ⑥ PUMP CONDENSATE TO MOP BASIN, CONCEAL LINES AS POSSIBLE.
- ⑦ H-1, 3 KW DAYTON OR EQUAL RECESSED ELECTRIC HEATER, INTERNAL THERMOSTAT AND DISCONNECT, MODEL 3UC57, 208 VOLTS, SINGLE PHASE.
- ⑧ H-2, 1.5 KW DAYTON OR EQUAL RECESSED ELECTRIC HEATER, INTERNAL THERMOSTAT AND DISCONNECT, MODEL2HAD6, 120 VOLTS.

GENERAL HVAC NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE, AND SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS.
- 2. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS, AND BOTH ARE INTENDED TO BE COMPLEMENTARY, ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
- 3. THE CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT, AND SHALL EXAMINE THE SCOPE OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.
- 4. CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMMATICALLY AND IN SOME CASES, ENLARGED FOR CLARITY, ANY OFFSETS, ADDITIONAL FITTINGS, AND/OR APPURTENANCES REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM SHALL BE BORNE BY THE CONTRACTOR.
- 5. THE ENGINEERING DRAWINGS ARE OF EQUAL IMPORTANCE WITH THE ARCHITECTURAL DRAWINGS IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF ENGINEERING WORK, SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ENGINEERING DRAWINGS THAT WOULD CAUSE AN AWKWARD OR IMPROPER INSTALLATION, THE DISCREPANCY SHALL BE BROUGHT TO THE ARCHITECTS/ENGINEERS ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK, ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL/ENGINEER DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT/ENGINEER.
- 6. DO NOT SCALE THE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE, THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO THE START OF CONSTRUCTION, IF DISCREPANCIES ARE FOUND, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING THE WORK, EXPLICIT DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE.
- 7. CONTRACTOR SHALL FELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING OR BEGINNING WORK ON THIS PROJECT.
- 8. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 9. ANY DETAILS, SYSTEMS AND/OR MATERIALS WHICH ARE PROPOSED TO BE CHANGED MUST FIRST BE REVIEWED BY THE OWNER AND ARCHITECT/ENGINEER PRIOR TO THE PREPARATION OF SHOP DRAWINGS.
- 10. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TEMPLATE DRAWINGS FOR ALL MECHANICAL EQUIPMENT SUPPORTS, BOLT SETTING TEMPLATES ISOLATORS, SPRING ISOLATION, ETC., NOT SHOWN ON THE DRAWINGS
- 11. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED MATERIALS INCLUDING ALL DIFFUSERS, GRILLES, AND REGISTERS.
- 12. ALL DUCTWORK DIMENSIONS ARE CLEAR INSIDE DIMENSIONS AND DO NOT INCLUDE INSULATION OR INTERNAL LINING.
- 13. ALL BRANCH SUPPLY DUCTS SHALL HAVE VOLUME DAMPERS AT CONNECTION TO THE MAIN, OR OPPOSED BLADE DAMPER INCLUDED WITH THE SUPPLY GRILLE.
- 14. FLEXIBLE DUCTWORK USED IN BRANCH RUNS SHALL BE LIMITED TO A MAXIMUM OF 6 FEET, BRANCH DUCTWORK TO DIFFUSER SHALL BE SAME SIZE AS DIFFUSER INLET UNLESS SPECIFICALLY LABELED OTHERWISE, REFER TO DIFFUSER SCHEDULE FOR INLET SIZES, AVOID SHARP BENDS IN FLEXIBLE DUCTWORK WHICH MAY CAUSE EXCESSIVE NOISE.
- 15. PROVIDE CONCRETE PAD FOR CONDENSING UNITS.
- 16. INSTALL AIR HANDLER ON CONCRETE HOUSE KEEPING PAD.
- 17. ROUTE ALL FLUES UP TO MANUFACTURER'S RECOMMENDED ROOF TERMINATION.
- 18. SLOPE ALL VENTS / FLUES PER MANUFACTURER'S RECOMMENDATIONS.
- 19. EXTERIOR EQUIPMENT PADS; WHERE REQUIRED PROVIDE CONCRETE PAD, 6" THICK, TO BE 6" WIDER AND LONGER THAN EQUIPMENT. EXTEND PAD TO BUILDING WITH EXPANSION JOINT AT BUILDING, COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS.
- 20. HOUSEKEEPING PADS; WHERE REQUIRED PROVIDE REINFORCED CONCRETE PADS. HOUSEKEEPING PADS SHALL COMPLY WITH APPLICABLE CODES INCLUDING SEISMIC DESIGN REQUIREMENTS.



**ROWAN COUNTY
AMBULANCE GARAGE
MOREHEAD, KENTUCKY**

DATE	REVISION	BY

THESE DOCUMENTS ARE THE PROPERTY OF M&E OF KENTUCKY, INC. AND ON WHICH M&E OF KENTUCKY, INC. HAS PROPERTY RIGHTS. NEITHER YOU NOR YOUR EMPLOYEES, AGENTS, CONTRACTORS, SUBCONTRACTORS, OR CONSULTANTS ARE TO REPRODUCE, COPIY, OR TRANSMIT THESE DOCUMENTS IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF M&E OF KENTUCKY, INC.

PROJECT NO. 2306	DESIGNED BY TBM
DRAWN BY TBM	CHECKED BY TBM
REVIEWED BY	DATE APRIL 2020
SCALE AS NOTED	

Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503
www.mseinc.com

Phone: (606)223-5684
Fax: (606)223-2607

AFAE ENGINEERING, LLC
CONSULTING ENGINEERS
HVAC - PLUMBING - ELECTRICAL
706 WESTLAND DRIVE
LEXINGTON, KENTUCKY 40504
PHONE (859) 255-4457

DRAWING NO.
M-1
SHEET OF