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MECHANICAL FLOOR PLAN
 1/4" = 1'-0"

- KEYED NOTES**
1. ROUTE SUPPLY AND RETURN DUCTS DOWN FROM THE RTU CONNECTIONS AND TRANSITION THROUGH THE ROOF TO SIZES AS SHOWN. INSTALL COMPLETE WITH FLEXIBLE CONNECTIONS AT EQUIPMENT. PROVIDE 1/2" INTERNALLY LINED ACOUSTIC INSULATION FOR RETURN DUCTWORK AND THE FIRST 10'-0" OF SUPPLY DUCTWORK.
 2. FACTORY AVAILABLE SMOKE DETECTOR CAPABLE OF SHUTTING DOWN THE MECHANICAL UNIT UPON ACTIVATION.
 3. PROVIDE NEW WALL MOUNTED HUMIDISTAT MOUNTED 8' AFF.
 4. PROGRAMMABLE THERMOSTAT TO BE MOUNTED AT 8' AFF AND CLEARLY LABELED. VERIFY PLACEMENT WITH ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS. VERIFY FINAL LOCATION OF THERMOSTAT WITH THE OWNER.
 5. AIR DEVICE IN LAY-IN CEILING ABOVE FIXED BOOTHS/ MILLWORK SHALL BE INSTALLED COMPLETE WITH OPPOSED BLADE DAMPER FOR MANUAL VOLUME ADJUSTMENT. REFERENCE ARCHITECTURAL FURNISHING PLAN. EXTEND AND CONNECT BRANCH DUCT TO MAIN FIELD. VERIFY EXACT SIZE AND LOCATION PRIOR TO STARTING WORK.
 6. MANUAL PULL STATION FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM ACTIVATION AND GAS SUPPLY SHUT-OFF TO BE PROVIDED BY THE FIRE SUPPRESSION SUBCONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE RECESSED JUNCTION BOX AND CONDUIT FOR PULL STATION LINKAGE. FIRE SUPPRESSION SUBCONTRACTOR SHALL VERIFY APPROVED LOCATION WITH THE LOCAL AUTHORITY AND COORDINATE THE COMPLETE INSTALLATION WITH ALL OTHER TRADES. TO BE COMPLETED BY KEC.
 7. FIRE SPRINKLER CABINET TO BE FURNISHED AND INSTALLED COMPLETE WITH THE EXHAUST HOOD PACKAGE. TO BE COMPLETED BY KEC.
 8. ROUTE GREASE EXHAUST DUCT UP FROM HOOD COLLAR THRU ROOF EXHAUST POINT. GREASE EXHAUST DUCT SHALL BE OF THE SAME SIZE AS THE HOOD COLLAR. FIELD VERIFY ANY REQUIRED TRANSITIONS OR OFFSETS OF EXHAUST DUCT FROM COMBUSTIBLE MATERIALS TO MAINTAIN THE MINIMUM CLEARANCES REQUIRED (PER APPLICABLE CODES) AND FIRE WRAP MANUFACTURER'S INSTRUCTIONS.
 9. ROUTE THE COMBUSTIBLE INTAKE EXHAUST PIPING FROM THE WATER HEATERS IN THE MECHANICAL ROOM TO TERMINATION LOCATIONS ON THE EXTERIOR WALL ABOVE THE DOOR. INSTALL WITH THE MINIMUM BOYS AND OFFSETS AS NECESSARY FOR A COMPLETE INSTALLATION PER THE WATER HEATER MANUFACTURER'S REQUIREMENTS, TERMINATED WITH THE EXTERIOR WALL THROUGH THE ROOF. FIELD COORDINATE EXHAUST PIPING WITH CEILING LIGHT FIXTURES.
 10. EXISTING DISHWASHER EXHAUST POINT. FIELD VERIFY REQUIRED TRANSITIONS OR OFFSETS OF EXHAUST DUCT FROM STRUCTURE. HITCH HORIZONTAL EXHAUST DUCT A MINIMUM OF 1/4" PER FOOT BACK TOWARDS THE HOOD. CONDENSATE EXHAUST DUCTWORK SHALL BE INSTALLED COMPLETE WITH EXTERNAL DUCT INSULATION SIMILAR TO OTHER HVAC DUCTWORK.
 11. PROVIDE RISER FOR RESTROOM EXHAUST RISER UP TO ROOF MOUNTED EXHAUST FAN.
 12. MAKE UP AIR UNIT AND ALL ASSOCIATED DUCTWORK.
 13. CAPTIVEAIRE COOKING HOODS AND ALL ASSOCIATED DUCTWORK. PROVIDE NEW EXHAUST FAN AS SCHEDULED ON CAPTIVEAIRE SHEETS.
 14. CAPTIVEAIRE DISHWASHER HOOD & ALL ASSOCIATED DUCTWORK. PROVIDE NEW EXHAUST FAN AS SCHEDULED ON CAPTIVEAIRE SHEETS.

- GENERAL NOTES**
- A. ALL OUTDOOR AIR INTAKES BY MECHANICAL EQUIPMENT SHALL HAVE A MINIMUM 10'-0" HORIZONTAL CLEARANCE FROM THE DISCHARGE OF ANY EXHAUST FAN, COMBUSTION EXHAUST OR PLUMBING VENT.
 - B. PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE DUCT/PIPING CONNECTIONS TO ALL MOVING MACHINERY NOT INTERNALLY ISOLATED.
 - C. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
 - D. THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT AND DIFFUSER LOCATIONS WITH LIGHT FIXTURES AS WELL AS SPRINKLER PIPING AND HEADS (WHERE INCLUDED IN THE PROJECT) FOR A COMPLETE INSTALLATION.
 - E. LOCATIONS FOR THERMOSTATS AND REMOTE SENSORS SHALL BE FIELD COORDINATED TO AVOID INTERFERENCE WITH WALL MOUNTED DEVICES FROM HEAT PRODUCING EQUIPMENT.
 - F. ALL RECTANGULAR ROOFING PENETRATION WORK SHALL BE SIZED AS SHOWN ON THESE DRAWINGS AND SHALL BE PERFORMED AND INSTALLED ACCORDING TO THE MOST RECENT EUBUSHER MACNA STANDARDS. ALL JOINTS, SEAMS, AND CONNECTIONS MUST BE SEPTON CASTERED AND SEALED BY APPROVED METHODS.
 - G. ANY FLEXIBLE DUCTS SHALL BE INSTALLED IN CONCEALED SPACES ONLY. THE MAXIMUM ALLOWABLE LENGTH OF FLEXIBLE DUCT SHALL BE 8'-0". ALL FLEXIBLE DUCTS SHALL BE CONNECTED TO EACH RUNS AND FITTINGS WITH A PANDUIT-TYPE BAND, AND SHALL NOT BE ATTACHED DIRECTLY TO THE AIR DEVICE COLLAR.

GO TO FIELD VERIFY EXACT SIZE & LOCATION OF ALL DUCTWORK PRIOR TO START OF ANY WORK.

GENERAL CONTRACTOR TO INSTALL QUICK SEALS ON ALL CAPTIVEAIRE EQUIPMENT.

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 28858
 10/25/2019

PROJECT NO.:
 DRAWN BY: TBA
 CHECKED BY: TBA
 ISSUED DATE: 05.07.19

ISSUED REVISIONS:

NO.	DESCRIPTION

Owensboro, KY 42303

ihop Rise and Shine Prototype

MECHANICAL FLOOR PLAN

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MECHANICAL FLOOR PLAN

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