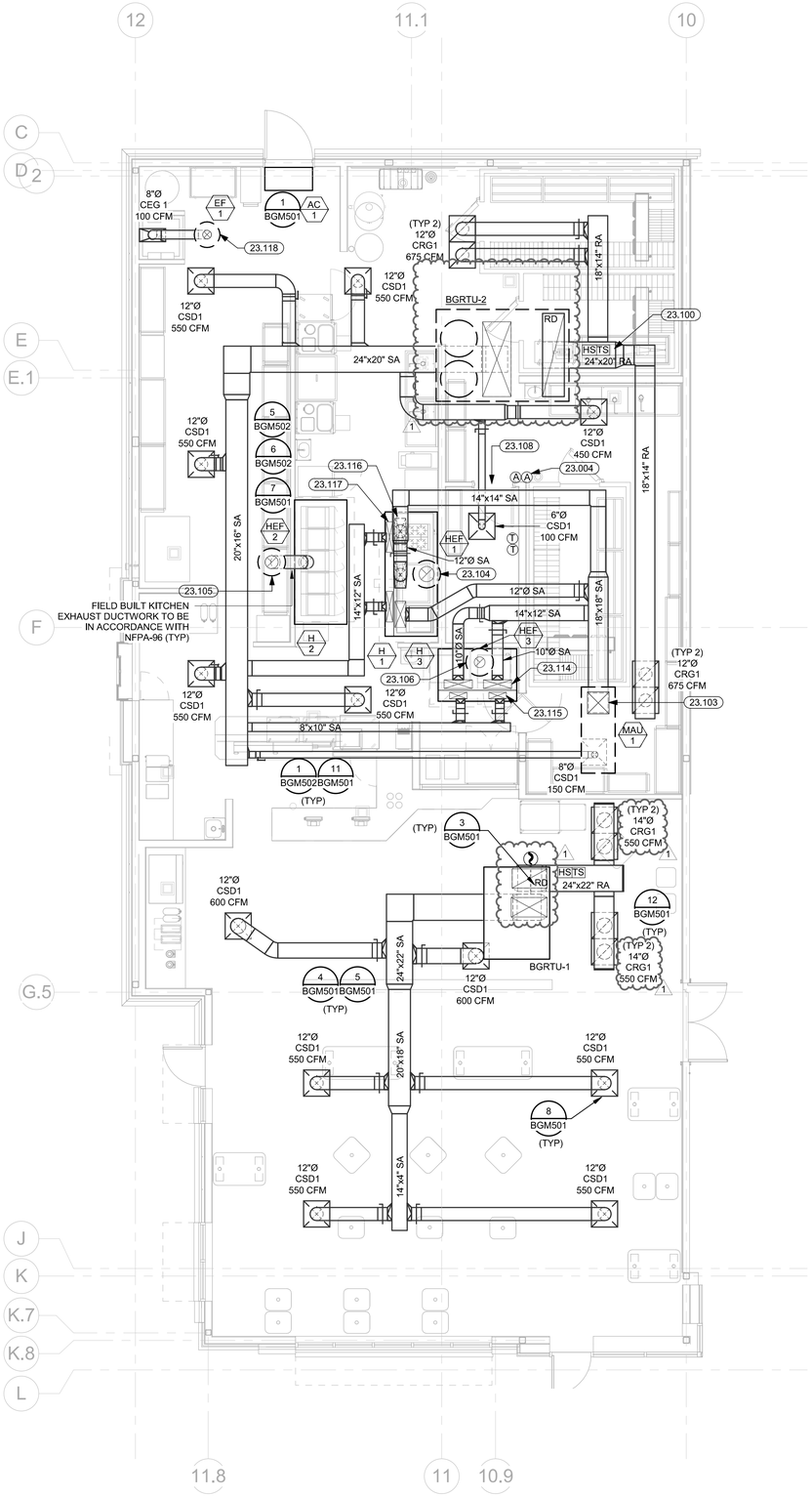

1 HVAC PLAN
3/16" = 1'-0"

GENERAL NOTES

1. ALL MECHANICAL HVAC AND PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BASE BUILDING SPECIFICATION AND WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL, PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
2. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION DEVICES WITH CEILING AND LIGHT FIXTURE LAYOUT - VERIFY WITH THE ARCHITECT.
3. ALL RECTANGULAR SUPPLY DUCTS ELBOWS SHALL HAVE SINGLE THICKNESS TURNING VANES.
4. ALL AIR CONDITIONING DUCTWORK SHALL BE SMACNA 1" PRESSURE CLASSIFICATION WITH SEAL CLASS 'A'.
5. ALL BRANCH TAPS TO DIFFUSERS AND GRILLES SHALL HAVE AN ADJUSTABLE VOLUME DAMPER AT TAP FOR BALANCING AIR VOLUME. DO NOT ADD VOLUME DAMPERS AT OR IN GRILLE, UNLESS NOTED OTHERWISE.
6. DUCT SIZES SHOWN ARE ACTUAL INSIDE CLEAR DIMENSIONS. SHEET METAL CONTRACTORS SHALL INCREASE SIZES FOR DUCTWORK REQUIRED TO BE LINED TO ALLOW FOR 1-1/2-INCH THICK LINER EQUIVALENT TO KNAUF TYPE "ATMOSPHERE" - MINIMUM R-VALUE 6.0.
7. COORDINATE ROUTING OF DUCTWORK WITHIN STRUCTURE WITH THE LOCATION OF COLUMNS, JOIST AND BEAMS.
8. ALL ROUND AIR CONDITIONING DUCTWORK SHALL HAVE 2-INCH THICK EXTERIOR DUCT WRAP CONSISTING OF A FIBERGLASS BLANKET WITH FACTORY APPLIED VAPOR BARRIER FACING AND HAVING A MINIMUM R-VALUE OF 5.6, UNLESS NOTED OTHERWISE.
9. IT IS THE INTENT TO HAVE ALL AIR SYSTEMS INCLUDING KITCHEN EXHAUST AND MAKE-UP AIR BALANCED BY AN INDEPENDENT TAB CERTIFIED NEBB CONTRACTOR. AIR QUANTITIES IN MAIN DUCT SHALL BE MEASURED BY PITOT TUBE TRAVERSES. OUTLET AND INLET AIR QUANTITIES SHALL BE DETERMINED IN ACCORDANCE WITH NEBB PROCEDURES. THE NEBB TAB FIRM SHALL PROVIDE A CERTIFICATE OF CONFORMANCE CERTIFICATION TO THE OWNER.
10. UNLESS DIMENSIONED, THE WORK SHOWN ON THE CONTRACT DRAWINGS IS DIAGRAMMATIC, ILLUSTRATING THE GENERAL ARRANGEMENT. CONTRACTOR SHALL ADHERE TO ARRANGEMENT SHOWN AS CLOSELY AS THE ACTUAL CONSTRUCTION WILL PERMIT.
11. CONTRACTOR SHALL VERIFY EXACT EQUIPMENT DIMENSIONS, CLEARANCES, AND FIELD DIMENSIONS RELATIVE TO LOCATIONS OF STRUCTURAL FRAMING. CHANGES REQUIRED IN ROUTING OR SIZES OF DUCTWORK TO MAKE WORK SHOWN CONFORM TO PROJECT REQUIREMENTS RESULTING FROM FIELD COORDINATION PROBLEMS SHALL BE IDENTIFIED, ILLUSTRATED, AND SUBMITTED TO THE ENGINEER FOR PRIOR REVIEW AND APPROVAL BEFORE INSTALLATION.

MECHANICAL PLAN NOTES:

23.004 MOUNT REMOTE ANNUNCIATORS 66" A.F.F. AND LABEL TO AREA SERVED.

23.100 REMOTE RTD TEMPERATURE AND HUMIDITY SENSORS (AS REQUIRED) LOCATED IN RETURN AIR DUCT; REFER TO SHEET B.M102 FOR CONTROL SCHEMATIC.

23.103 TRANSITION IN VERTICAL FROM RTU S/A AND R/A OPENINGS TO DUCT SIZES LISTED.

23.104 EXHAUST FAN HEF-1 TO BE SUPPLIED BY K.E.S.; 14" HOOD CONNECTION WITH 16 GAUGE BLACK IRON (CARBON STEEL) GREASE DUCT WELDED LIQUID-TIGHT; CONTRACTOR TO FURNISH AND INSTALL DUCT BETWEEN HOOD AND FAN IN ACCORDANCE WITH NFPA 96 & IMC.

23.105 EXHAUST FAN HEF-2 TO BE SUPPLIED BY K.E.S.; 12" TYPE II KITCHEN EXHAUST DUCT DOWN TO HOOD; CONTRACTOR TO FURNISH AND INSTALL DUCT BETWEEN HOOD AND FAN IN ACCORDANCE WITH NFPA 96 & IMC.

23.106 EXHAUST FAN HEF-3 TO BE SUPPLIED BY K.E.S.; 10" HOOD CONNECTION WITH 16 GAUGE BLACK IRON (CARBON STEEL) GREASE DUCT WELDED LIQUID-TIGHT; CONTRACTOR TO FURNISH AND INSTALL DUCT BETWEEN HOOD AND FAN IN ACCORDANCE WITH NFPA 96 & IMC.

23.108 UNDERCUT DOOR 3/4" FOR TRANSFER AIR.

23.114 CONNECT 26"X8" MAKEUP AIR RUNOUT TO HOOD SUPPLY PLENUM CONNECTION. BALANCE EACH CONNECTION TO 450 AND 455 CFM USING VOLUME DAMPER ON HOOD SUPPLY PLENUM. REFERENCE CAPTIVEAIRE SHEETS FOR DETAILS.

23.115 CONNECT 16"X6" SUPPLY AIR RUNOUT TO HOOD SUPPLY PLENUM CONNECTION. BALANCE EACH CONNECTION TO 125 CFM USING VOLUME DAMPER ON HOOD SUPPLY PLENUM REFERENCE CAPTIVEAIRE SHEETS FOR DETAILS.

23.116 CONNECT 36"X8" MAKEUP AIR RUNOUT TO HOOD SUPPLY PLENUM CONNECTION. BALANCE EACH CONNECTION TO 735 CFM USING VOLUME DAMPER ON HOOD SUPPLY PLENUM. REFERENCE CAPTIVEAIRE SHEETS FOR DETAILS.

23.117 CONNECT 28"X8" SUPPLY AIR RUNOUT TO HOOD SUPPLY PLENUM CONNECTION. BALANCE EACH CONNECTION TO 250 CFM USING VOLUME DAMPER ON HOOD SUPPLY PLENUM. REFERENCE CAPTIVEAIRE SHEETS FOR DETAILS.

23.118 8" ROUND EXHAUST DUCT UP TO EF-1.

HFA
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T1-90

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PROTO CYCLE:	Q3 - 2022

GREG J. SCHLUTERMAN
LICENSED PROFESSIONAL ENGINEER
STATE OF MISSISSIPPI

2023.02.21 09:29:35-06'00'

HVAC PLAN

SHEET:
BGM101

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