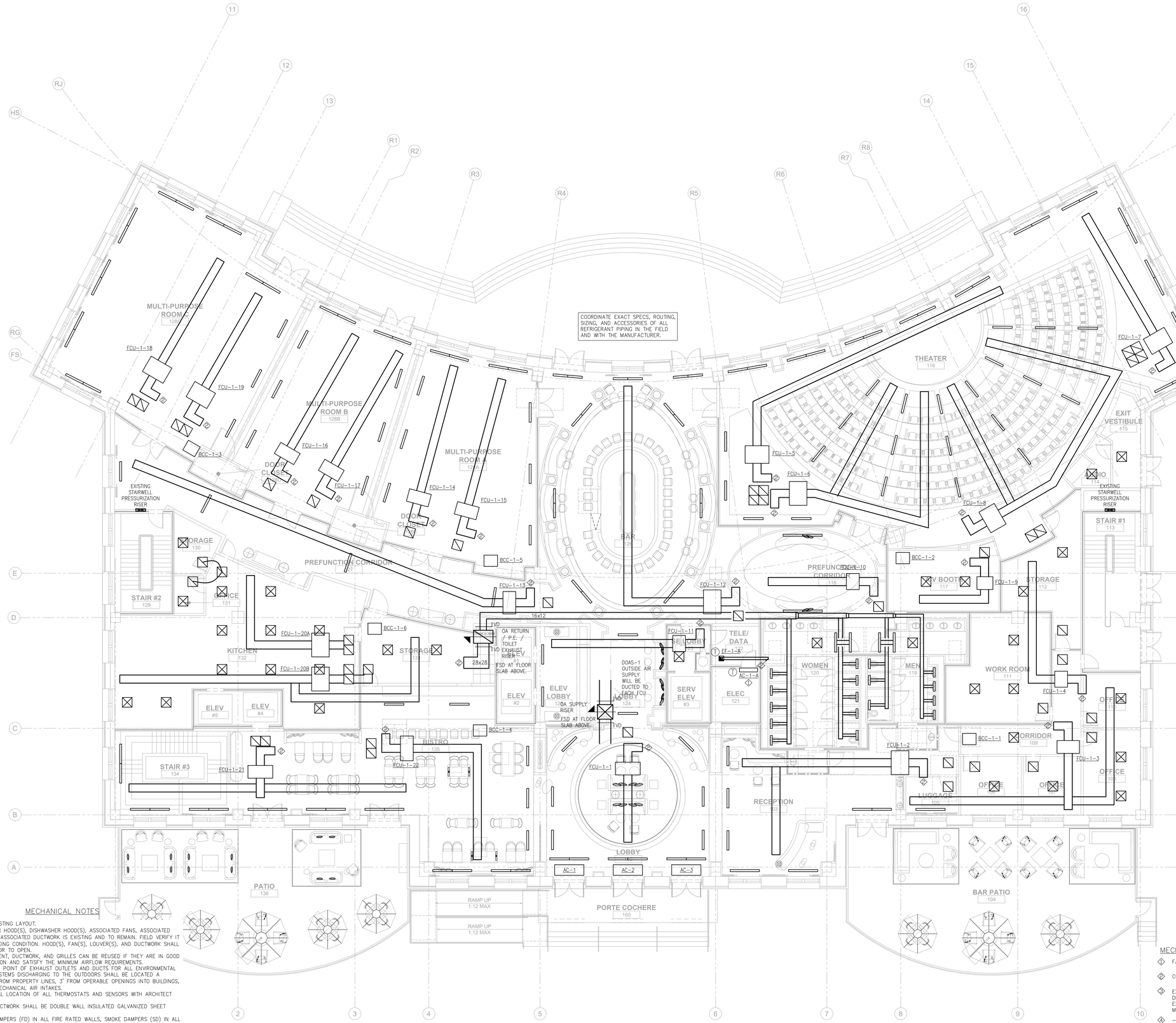

HVAC SYMBOLS

	SUPPLY GRILL
	RETURN GRILL
	EXHAUST GRILL
	EXHAUST FAN
	SPIN-IN
	EXISTING DUCTWORK
	NEW DUCTWORK
	FLEX DUCTWORK
S	TEMPERATURE SENSOR
C	CO2 SENSOR
T	PROGRAMMABLE THERMOSTAT
T_O	PROGRAMMABLE THERMOSTAT W/ OCCUPANCY SENSOR
VD	VOLUME DAMPER
FD	FIRE DAMPER
FSD	FIRE-SMOKE DAMPER
	SIDEWALL AIR SUPPLY GRILLS
	SIDEWALL AIR TRANSFER GRILLS

MECHANICAL NOTES

1. FIELD VERIFY EXISTING LAYOUT.
2. EXISTING KITCHEN HOOD(S), DISHWASHER HOOD(S), ASSOCIATED FANS, ASSOCIATED LOUVER(S), AND ASSOCIATED DUCTWORK IS EXISTING AND TO REMAIN. FIELD VERIFY IT IS IN GOOD WORKING CONDITION. HOOD(S), FAN(S), LOUVER(S), AND DUCTWORK SHALL BE CLEANED PRIOR TO OPEN.
3. EXISTING EQUIPMENT, DUCTWORK, AND GRILLES CAN BE REUSED IF THEY ARE IN GOOD WORKING CONDITION AND SATISFY THE MINIMUM AIRFLOW REQUIREMENTS.
4. THE TERMINATION POINT OF EXHAUST OUTLETS AND DUCTS FOR ALL ENVIRONMENTAL AIR EXHAUST SYSTEMS DISCHARGING TO THE OUTDOORS SHALL BE LOCATED A MINIMUM OF 3' FROM PROPERTY LINES, 3' FROM OPERABLE OPENINGS INTO BUILDINGS, AND 10' FROM MECHANICAL AIR INTAKES.
5. COORDINATE FINAL LOCATION OF ALL THERMOSTATS AND SENSORS WITH ARCHITECT AND OWNER.
6. ALL EXPOSED DUCTWORK SHALL BE DOUBLE WALL INSULATED GALVANIZED SHEET METAL.
7. PROVIDE FIRE DAMPERS (FD) IN ALL FIRE RATED WALLS, SMOKE DAMPERS (SD) IN ALL SMOKE RATED WALLS, AND FIRE-SMOKE DAMPERS (FSD) IN ALL FIRE-SMOKE RATED WALLS AS IDENTIFIED ON ARCHITECTURAL DRAWINGS. THE RATINGS OF THE FIRE DAMPERS, SMOKE DAMPERS, AND FIRE-SMOKE DAMPERS SHALL MEET OR EXCEED THE RATING OF THE WALL IN WHICH IT IS INSTALLED.
8. COORDINATE LOCATIONS OF ALL GRILLS WITH THE FRAMING CONTRACTOR.
9. CONTRACTOR SHALL FIELD VERIFY SPACE REQUIREMENTS FOR DUCTWORK PRIOR TO MANUFACTURING. ADJUSTMENTS TO DUCT SIZES IS ACCEPTABLE AS LONG AS THE FOLLOWING FRICTION FACTORS ARE MAINTAINED:
   - SUPPLY: 0.08"/100FT.
   - RETURN: 0.06"/100FT.
   - ASPECT RATIO: LESS THAN 3 TO 1 WITHOUT CONCURRENCE WITH THE ENGINEER.

MECHANICAL KEYED NOTES:

1. FAN COIL UNIT TO BE MOUNTED ABOVE THE DOOR.
2. COVER OPEN ENDED DUCT WITH WIRE MESH.
3. EXTEND 8"ø DRYER DUCT THROUGH THE WALL AND TERMINATE WITH DRYER VENT CAP. PROVIDE UL705 LISTED AND LABELED DRYER EXHAUST DUCT POWER VENTILATOR AS NECESSARY PER MANUFACTURER INSTRUCTIONS.
4. --

1 HVAC Floor Plan - Level 1

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

FIELD VERIFY ALL UNITS HAVE AN OPEN PATHWAY FOR AIR TO FLOW TO THE RETURN. WALLS THAT GO TO STRUCTURE SHALL BE PROVIDED WITH A TRANSFER OPENING. IF THE WALL IS RATED, THEN THE OPENING SHALL BE PROVIDED WITH A DAMPER THAT MEETS OR EXCEEDS THE RATING OF THE WALL.

NOTE: ALL AREA ABOVE CEILING ARE RETURN PLENUMS. ALL EQUIPMENT, PIPING, DUCTWORK, AND WIRING SHALL MEET REQUIREMENTS FOR INSTALLATION IN A RETURN AIR PLENUM.

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CONSULTANTS:

Beach Engineering Solutions Team
Mechanical, Electrical & Plumbing Engineering
(678) 665-3280
Project Number: 23-547

THE STRICKLANDER
MARRIOTT AUTOGRAPH
PUBLIC SPACE
6405 SUGARLOAF PARKWAY
DULUTH, GEORGIA 30097

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SHEET NUMBER:

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