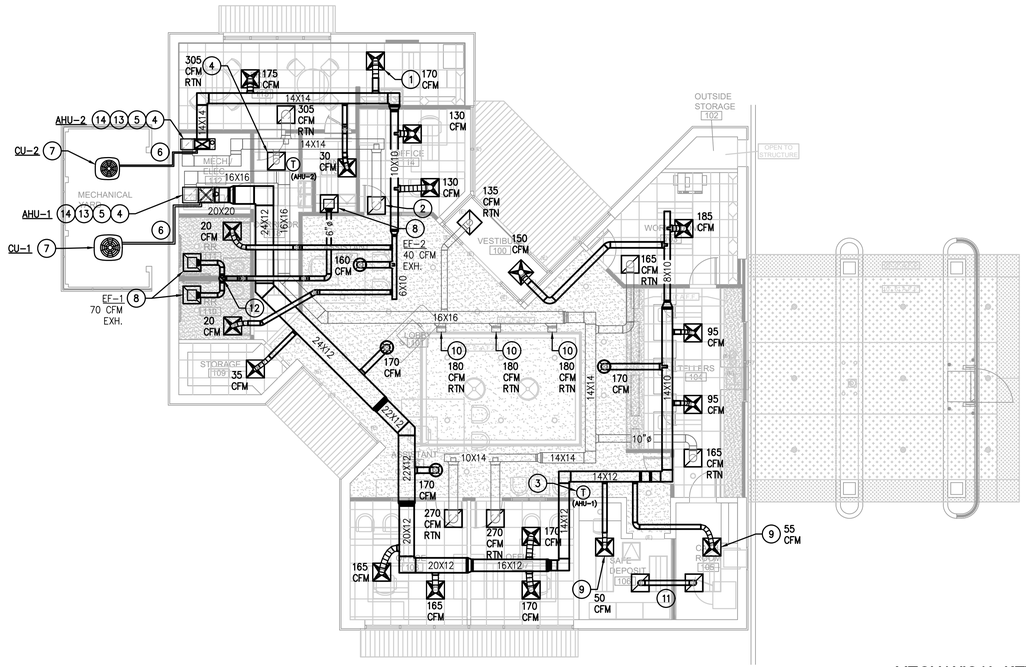

01 MECHANICAL PLAN
SCALE: 1/8"=1'-0"

MECHANICAL KEYED NOTES:

1. PROVIDE NEW 24" X 24" SUPPLY AIR DEVICE AT LOCATION INDICATED. BALANCE TO CFM INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
2. PROVIDE NEW 24" X 24" RETURN AIR GRILLE AT LOCATION INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
3. PROVIDE NEW THERMOSTAT AT LOCATION INDICATED AT 4' A.F.F.. CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH BUILDING ENGINEER FOR EXACT THERMOSTAT AND LOCATION.
4. PROVIDE NEW CONDENSATE LINE TO FLOOR DRAIN IN MECHANICAL ROOM. PIPING SHALL NOT OBSTRUCT MAINTENANCE ACCESS TO EQUIPMENT. TYPICAL.
5. PROVIDE VERTICAL UPFLOW AIR HANDLING UNIT, DX TYPE COIL, GAS HEAT, WITH 1" THROW AWAY FILTER. SEE SCHEDULE AND DETAILS.
6. REFRIGERANT PIPING WITH 1" ARMAFLEX INSULATION. PROVIDE SUPPORT AS NEEDED. REFER TO MANUFACTURER RECOMMENDATIONS FOR LINE SIZE.
7. PROVIDE AIR COOLED CONDENSING UNIT. SEE MECHANICAL SCHEDULE AND DETAILS.
8. PROVIDE NEW CEILING MOUNTED EXHAUST FAN. SEE MECHANICAL SCHEDULE AND DETAILS.
9. PROVIDE NEW 24" X 24" (TITUS SG-SD OR EQUAL) SUPPLY AIR DEVICE AT LOCATION INDICATED. BALANCE TO CFM INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
10. PROVIDE NEW WALL MOUNTED 6"x16" RETURN GRILLE (TITUS 350RS) AT LOCATION INDICATED.
11. PROVIDE 6"ø JUMPER DUCT.
12. ROUTE 8"ø EXHAUST DUCT UP TO ROOF.
13. PROVIDE FLUE PIPING UP TO ROOF. SEE MANUFACTURES REQUIREMENTS FOR EXACT SIZE.
14. PROVIDE FIELD FABRICATED MIXING BOX IN THE BASE STAND FOR OUTSIDE AIR AND RETURN AIR. PROVIDE 10"x8" OUTSIDE AIR DUCT WITH MOTORIZED DAMPER CONFIGURED TO CLOSE WHEN THE AHU SYSTEM IS NOT IN OPERATION. OA DUCT SHALL BE ROUTED AND DUCTED TO THE MIXING BOX. PROVIDE OPPOSED BLADE VOLUME DAMPER AT THE HORIZONTAL INLET OF RETURN AIR. FIELD VERIFY AND COORDINATE FOR THE EXACT LOCATION. REFER TO MECHANICAL SCHEDULE FOR CFM REQUIREMENTS. TYP.

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E/B/E PROJECT NUMBER - 26026.00

ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	
ISSUED FOR PERMIT	04/13/2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE
	PERMIT SET	04/13/2026

JOSE M. GUERRERO
154536
REGISTERED
PROFESSIONAL ENGINEER
04/13/2026

PRINT DATE

DRAWING TITLE
MECHANICAL PLAN

SHEET NO.
M-2.00

E|B|E CONSULTING ENGINEERS Mechanical Electrical Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
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PM	SETUP	MECH	ELEC	PLBG	CHCK
JG	CC/JG	CC	JG	CC	JG