



ARCHITECTURE | DESIGN | CONSTRUCTION

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E/BE Project Number : 26129.00

ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	09/11/26
ISSUED FOR PERMIT	09/11/26
ISSUED FOR CONSTRUCTION	

REVISIONS		
MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26

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09/11/2026

DRAWING TITLE
MECHANICAL PLAN
SHEET NO.

M-1.10

E/B/E Mechanical
Electrical
Plumbing
12603 Southwest Fwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638



MECHANICAL KEYED NOTES:

- 1 PROVIDE CONDENSATE PUMP AND ROUTE PUMPED 3/4" CONDENSATE DRAIN LINE AT 1/8" SLOPE PER FOOT TO FLOOR DRAIN IN THE MOPSINK. TYPICAL.
- 2 PROVIDE NEW AHU ABOVE ACCESSIBLE CEILING. FIELD VERIFY AND COORDINATE EXACT LOCATION WITH BUILDING ENGINEER AND EXISTING CONSTRAINTS. UNIT WILL BE INSTALLED ABOVE THE ATTIC PLATFORM, COORDINATE WITH ARCH DRAWINGS FOR MORE INFORMATION. TYPICAL.
- 3 PROVIDE NEW DDC THERMOSTAT AT LOCATION INDICATED. CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH BUILDING ENGINEER FOR EXACT THERMOSTAT AND LOCATION. TYPICAL.
- 4 PROVIDE CONDENSER UNIT (CU) ON THE SLAB ON THE GROUND AT LOCATION SHOWN. COORDINATE WITH BUILDING ENGINEER AND ARCHITECT FOR EXACT LOCATION AND OTHER REQUIREMENTS. SEE SCHEDULE AND DETAILS. TYPICAL.
- 5 ROUTE NEW REFRIGERANT PIPING THROUGH WALL WITH A JACK. FOLLOW MANUFACTURER GUIDELINE FOR PROPERLY SIZING REFRIGERANT PIPES. PROTECT PIPING WITH 1" INSULATION. PROTECT OUTDOOR PIPING WITH ALUMINUM JACKET. TYPICAL.
- 6 PROVIDE NEW 24" X 24" SUPPLY AIR DEVICE AT LOCATION INDICATED. BALANCE TO CFM INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
- 7 PROVIDE NEW 24" X 24" RETURN AIR GRILLE AT LOCATION INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
- 8 PROVIDE NEW SIDE WALL SUPPLY/RETURN DEVICES AT LOCATION INDICATED. BALANCE TO CFM INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
- 9 PROVIDE CEILING EXHAUST FAN (EF) AT LOCATION INDICATED WITH THE DUCT SIZE AS SHOWN. BALANCE CFM TO INDICATED. ROUTE EXHAUST DUCT TO THE COMMON EXHAUST RISER (10"Ø) TO ROOF WITH EXHAUST VENT.
- 10 PROVIDE A OUTSIDE AIR DUCTWORK WITH THE MOTORIZED DAMPER (MTD) FOR OA INTAKE. BALANCE OA TO THE CFM INDICATED ON PLAN. MTD WILL CLOSE WHEN THE ECU IS DE-ENERGIZED. ROUTE OUTSIDE AIR DUCT TO THE COMMON EXHAUST RISER (12"Ø) TO ROOF WITH ROOF VENT.

01 MECHANICAL PLAN
SCALE: 1/4"=1'-0"