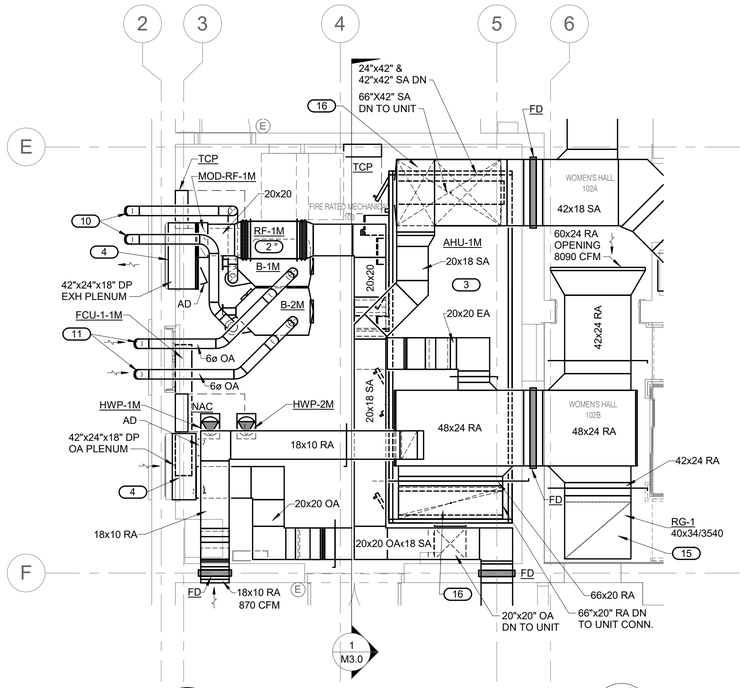
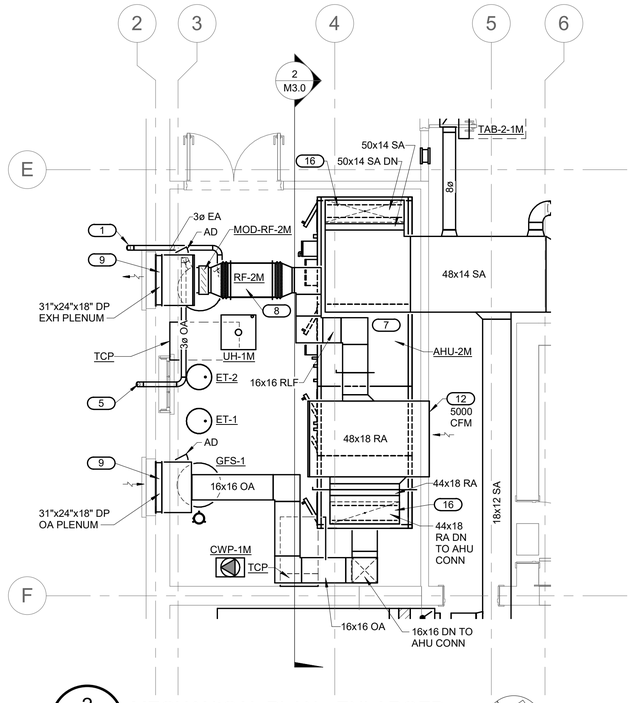


1 M4.0 MECHANICAL 103 PLAN - ENLARGED

1/4" = 1'-0"

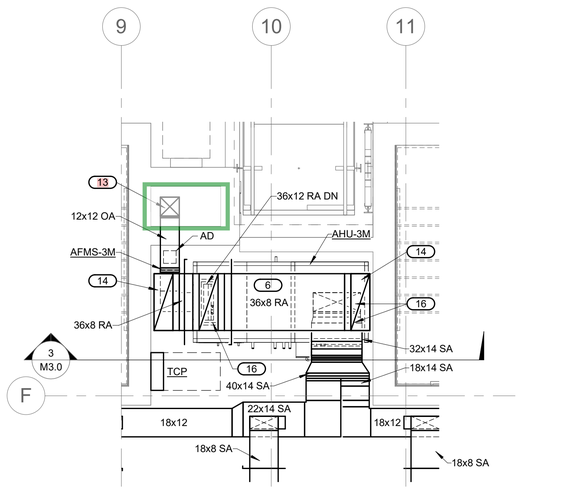
BLDG.



2 M4.0 MECHANICAL PLAN - ENLARGED

1/4" = 1'-0"

BLDG.



3 M4.0 MECHANICAL PLAN - ENLARGED

1/4" = 1'-0"

BLDG.

SHEET NOTES:

1. ROUTING OF TERMINAL EQUIPMENT AND DUCTWORK SHALL BE VERY CAREFULLY COORDINATED WITH EXISTING CONDITIONS, PRESERVATION ZONES AND HISTORIC NATURE OF BUILDING TO CONFORM WITH THE SECRETARY OF THE INTERIOR'S REHABILITATION REQUIREMENTS AND PRESERVATION BRIEFS RELATED TO MEP DESIGN AND INSTALLATION .

KEYNOTES: (#)

1. 3" DIA. DUAL WALL AL29-4C WATER HEATER FLUE 5'-3"+/- AFF. TERMINATE W/ 45 DEG DOWNWARD ELBOW W/ STAINLESS STEEL WIRE MESH SCREEN ON INLET. FLASH WALL PENETRATION & PAINT FLUE.
2. DIRECT DRIVE RELIEF FAN RF-1M SUSPENDED FROM STRUCTURE WITH SUITABLE STEEL RODS AND SPRING ISOLATORS. PROVIDE FLEXIBLE CONNECTION ON INLET & OUTLET.
3. COOLING ONLY VAV UNIT WITH AIR BLENDERS, MERV 11 FILTRATION, PREHEAT COIL, FAN ARRAY, COOLING COIL AND UV LIGHTS. MOUNT ON 6" MIN. HIGH HOUSEKEEPING PAD.
4. EXISTING LOUVERS TO REMAIN. CONNECT NEW PLENUMS TO LOUVERS. BLANK OFF UNUSED PORTIONS OF LOUVERS W/ INSULATED SHEET METAL SANDWICH PANELS.
5. 3" DIA. G.I. COMBUSTION AIR DUCT 5'-3"+/- AFF. TERMINATE W/ 45 DEG DOWNWARD ELBOW W/ STAINLESS STEEL WIRE MESH SCREEN ON INLET. FLASH WALL PENETRATION & PAINT DUCT.
6. SINGLE ZONE AHU WITH MERV 11 FILTRATION, COOLING COIL, REHEAT COIL AND PLENUM FAN.
7. COOLING ONLY VAV UNIT WITH AIR BLENDERS, MERV 11 FILTRATION, PREHEAT COIL, FAN ARRAY, COOLING COIL AND UV LIGHTS. MOUNT ON 4" MIN. HIGH HOUSEKEEPING PAD.
8. DIRECT DRIVE RELIEF FAN RF-2M SUSPENDED FROM STRUCTURE WITH SUITABLE STEEL RODS AND SPRING ISOLATORS. PROVIDE FLEXIBLE CONNECTIONS ON INLET & OUTLET.
9. NEW 31"x39" LOUVERS IN EXISTING WINDOW OPENING WITH NEW PLENUMS. FIELD VERIFY DIMENSIONS BEFORE ORDERING. BLANK OFF UNUSED PORTIONS OF LOUVERS W/ INSULATED SHEET METAL SANDWICH PANELS.
10. 6" ID DUAL WALL AL29-4C BOILER FLUES ABOVE LOUVER. TERMINATE WITH 45 DEG TURNED DOWN FACTORY ELBOW AT LEAST 12" FROM EXTERIOR WALL. FLASH WALL PENETRATION.
11. 6" DIA. G.I. COMBUSTION AIR DUCTS ABOVE WINDOW. TERMINATE W/ 45 DEG DOWNWARD ELBOW W/ STAINLESS STEEL WIRE MESH SCREEN ON INLET. FLASH WALL PENETRATION & PAINT DUCT.
12. 48"x18" OPENING ABOVE FUTURE CEILING.
13. 12"x12" OA UP TO INTAKE PENTHOUSE ON SHAFT ROOF.
14. 36"x12" RA UP TO BELOW BENCHES ABOVE.
15. HEAVY GAUGE LATTICE STYLE RETURN GRILLE. ADD REINFORCEMENT TO SUPPORT AS REQUIRED TO KEEP FROM SAGGING BUT NOT BLOCK AIRFLOW.
16. TRANSITION & CONNECT TO UNIT.

CERTIFICATE OF AUTHORIZATION
IMEG Consultants Corp.
No. 4308
ARKANSAS

ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20909
DAVID W. BODLINE
10.27.2023

A/E FIRMS	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
PRIME/ARCH: **STRATA ARCHITECTURE** 1701 OAK STREET, SUITE 100 KANSAS CITY, MO T: 816.474.0900	SGB	01 M4.0	MAURICE BATHHOUSE MECHANICAL PLANS - ENLARGED	626 180065
MEP/ENG: **IMEG CORP.** 1600 BALTIMORE STREET, SUITE 300 KANSAS CITY, MO T: 816.842.8437	CADD: WMM			PMIS/PKG NO. 318674
	TECH. REVIEW: SGB		REHABILITATE BATHHOUSES HOT SPRINGS NATIONAL PARK	SHEET 150 OF 286
	DATE: 10.27.2023			

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