



10641 Highway 36
Covington, GA
30014

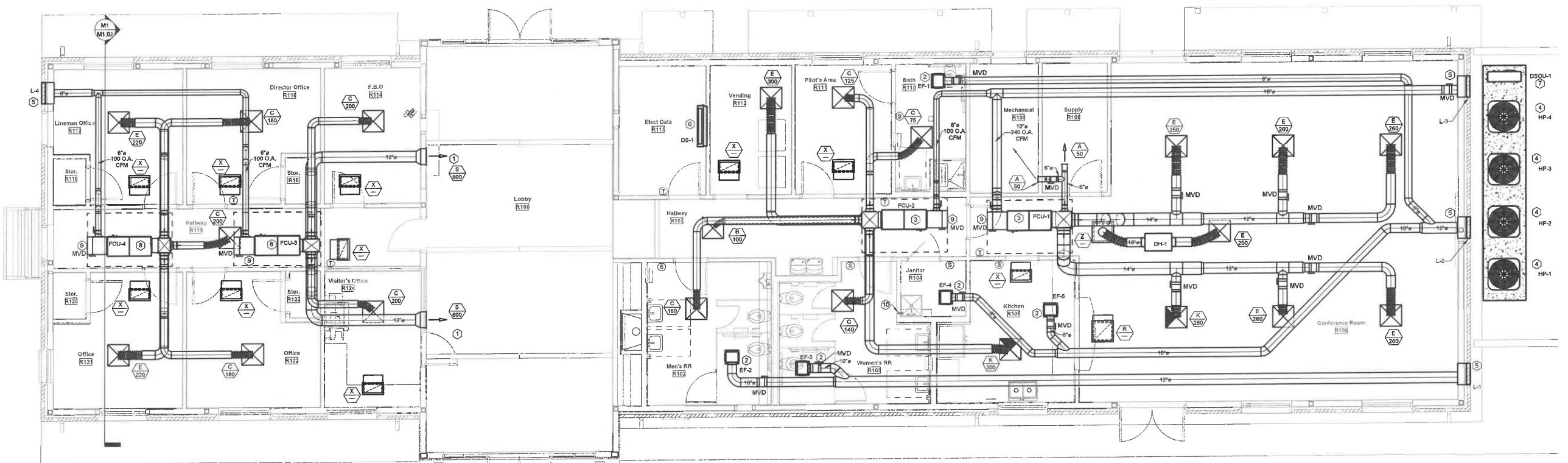
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JACKSON COUNTY AIRPORT TERMINAL BUILDING

Mechanical Repair Services
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Brent Powell
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23-0000 HVAC As-built



 M1 HVAC - FLOOR PLAN
TRUE
NORTH
SCALE: 1/4" = 1'-0"

TRUE
NORTH

GENERAL NOTES:

1000

DRAWING LEGEND			
SYMBOL	DEFINITION	SYMBOL	DEFINITION
	SUPPLY DIFFUSER		RETURN GRILLE
	AIR DEVICE DESIGNATOR		THERMOSTAT
	SIDEWALL GRILLE DESIGNATOR: A.F.F. HEIGHT IS TO BOTTOM OF GRILLE FACE		DUCTWORK OFFSETS
	HUMIDISTAT		CARBON DIOXIDE SENSOR
	SPIN-IN WITH VOLUME DAMPER		M.V.D. MANUAL VOLUME DAMPER
	SMOKE DAMPER		FD FIRE DAMPER
	FIRE/SMOKE DAMPER		D.H. DEHUMIDIFICATION UNIT
FCU-	FAN COIL UNIT	HP-	HEAT PUMP
EF-	EXHAUST FAN	L-	LOUVER
U.N.O.	UNLESS NOTED OTHERWISE	A.F.F.	ABOVE FINISHED FLOOR

DUCT SIZING CHART

FLOW RATE (CFM)	SIZE (DIAMETER)
0-100	6"
101-200	8"
201-400	10"
401-600	12"

CHART CAN BE USED IF DUCT MAY NEEDS TO BE SPLIT INTO MULTIPLE DUCTS TO FIT THROUGH TRUSS.

KEYNOTES: (APPLIES TO THIS SHEET OF)

1. SIDEWALL AIR DEVICE SHALL BE MOUNTED ON WALL APPROXIMATELY 9' 6" A.F.
2. CEILING MOUNTED EXHAUST FAN SHALL BE MOUNTED HORIZONTALLY ABOVE CEILING. SUPPORT FROM STRUCTURE. ROUTE 1" CONDENSATE DOWN WALL IN WALL CAVITY AND TURN OUT 3' ABOVE SINK IN JANITOR ROOMS. TURN DOWN INTO SINK. COORDINATE REQUIRED INSTALLATION SPACE WITH TRUSS PROVIDER. STRUCTURAL PLANS REQUIRE CUSTOM TRUSSES AT THE UNITS FOR INSTALLATION. THE CEILING DUCTWORK SHALL BE ROUTED THROUGH THE TRUSS WEBBING AND BETWEEN THE TRUSS. REFER TO DUCTWORK SIZING CHART FOR DUCT SIZES IF MODIFICATIONS ARE REQUIRED TO FOR THE SUPPLIED TRUSSSES.
3. INDUSTRIAL EXHAUST FAN SHALL BE MOUNTED HORIZONTALLY ABOVE CEILING. SUPPORT FROM STRUCTURE. ROUTE 1" CONDENSATE DOWN WALL IN WALL CAVITY AND TURN OUT 3' ABOVE SINK IN JANITOR ROOMS. TURN DOWN INTO SINK. COORDINATE REQUIRED INSTALLATION SPACE WITH TRUSS PROVIDER. STRUCTURAL PLANS REQUIRE CUSTOM TRUSSES AT THE UNITS FOR INSTALLATION. THE CEILING DUCTWORK SHALL BE ROUTED THROUGH THE TRUSS WEBBING AND BETWEEN THE TRUSS. REFER TO DUCTWORK SIZING CHART FOR DUCT SIZES IF MODIFICATIONS ARE REQUIRED TO FOR THE SUPPLIED TRUSSSES.
4. OUTDOOR SPLIT SYSTEM UNIT SHALL BE MOUNTED ON CONCRETE PAD.
5. LOCAL EXHAUST FAN SHALL BE MOUNTED ON CONCRETE PAD.
6. WALL MOUNTED DUCTLESS SPLIT SHALT BE MOUNTED APPROX. 7' A.F. ROUTE CONDENSATE TO DRAIN IN JANITORS ROOM - THE INTO CONDENSATE PIPE IN JANITORS ROOM CONDENSATE AND REFRIGERANT PIPING SHALL BE RECESSED IN WALL CAVITY.
7. DUCTLESS SPLIT SYSTEM UNIT SHALL BE MOUNTED ON CONCRETE PAD.
8. INDOOR FAN COIL UNIT SHALL BE MOUNTED HORIZONTALLY ABOVE CEILING. SUPPORT FROM STRUCTURE. ROUTE 1" CONDENSATE TO EXTERIOR WALL - SEE P.10 FOR ROUTING. SEE P.01 FOR CONDENSATE DRAIN IN EXTERIOR WALL SPILL ON GRADE. COORDINATE REQUIRED INSTALLATION SPACE WITH TRUSS PROVIDER. STRUCTURAL PLANS REQUIRE CUSTOM TRUSSES AT THE UNITS FOR INSTALLATION. THE CEILING DUCTWORK SHALL BE ROUTED THROUGH THE TRUSS WEBBING AND BETWEEN THE TRUSS. REFER TO DUCTWORK SIZING CHART FOR DUCT SIZES IF MODIFICATIONS ARE REQUIRED TO FOR THE SUPPLIED TRUSSSES.
9. REFER TO DUCTWORK SIZING CHART FOR DUCT SIZES AS FOU CONNECTION SIZE. RETURN SHALT BE OPEN TO PLENUM WITH VOLUME DAMPER TO ALLOW FOR OUTSIDE AIR INTAKE.
10. CONDENSATE PIPING ROUTED DOWN WALL IN CAVITY TO SINK IN JANITORS ROOM.

AS-BUILT

CHANGES REQUIRED YES NO
Name (Print) Brent Powell
Signature 
Company (Print) Mechanical Repair Service
Date 12/15/2025

The logo for MBA Consulting Engineers. It features the letters 'MBA' in a large, bold, black font. Below 'MBA', the words 'CONSULTING ENGINEERS' are written in a smaller, bold, black font. To the right of the text, there is a small vertical bar containing the letters 'MB' and some mathematical symbols: MATH, 1126, ROSW, PHON, and WWW.

DISSOCIATES, INC.
TE F-2
076
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JACKSON COUNTY AIRPORT- TERM
500 Sky Harbor Way, Jefferson, GA



M.I.O

GMC # AATL230012

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ISSUE DATE CONSTRUCTION DOCUMENTATION 01/29/24

JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

DUCTLESS SPLIT SYSTEM SCHEDULE											
MARK	CFM	COOLING (95°F OA TEMP.)			HEATING (47°F OA TEMP.)			BASIS OF DESIGN		NOTES	
		E.A.T. DB/WB (°F)	TOT. MBh	SEN. MBh	SEER	E.A.T. DB/WB (°F)	TOT. MBh	H.S.P.F.	INDOOR UNIT	OUTDOOR UNIT	
DS-1/DSOU-1	425	80/67	18.0	12.6	15.0	70/60	25.0	9.5	PKA-A18KA	PUZ-A18NHA4	1, 2, 3, 4

NOTES:

1. COOLING CAPACITIES BASED 65°F/75°F AMBIENT. HEATING CAPACITIES BASED ON 17°F/15°F AMBIENT.
2. PROVIDE WITH REMOTE CONDENSATE PUMP LITTLE GIANT OR EQUAL.
3. CONDENSING UNIT OR HEAT PUMP SHALL BE MOUNTED ON EQUIPMENT HOUSEKEEPING PAD WHEN LOCATED ON GRADE. - SEE PLANS FOR UNIT LOCATION.
4. PROVIDE WITH HARDWIRED WALL MOUNTED THERMOSTAT.

FAN SCHEDULE							
MARK	CFM	DRIVE	E.S.P. (IN. W.G.)	HP	TYPE	BASIS OF DESIGN	NOTES
EF-1	150	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A200	1, 2, 3
EF-2	300	DIRECT	0.375	0.2	CEILING	GREENHECK SP-A410	1, 2, 3
EF-3	225	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A250	1, 2, 3
EF-4	125	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A200	1, 2, 3
EF-5	150	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A200	1, 2, 3

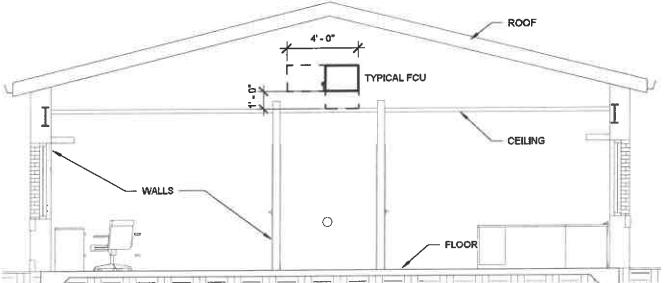
NOTES:

1. PROVIDE WITH BACKDRAFT DAMPER, EC MOTOR AND SPEED CONTROLLER.
2. CONTROL BY WALL SWITCH - PROVIDE WITH TRANSFORMER AND RELAYS AS REQUIRED. - DIVISION 23.
3. INTERLOCK FAN WITH LOUVER MOTORIZED DAMPER. DAMPER SHALL OPEN WHEN FAN IS ENABLED.

DEHUMIDIFICATION SCHEDULE				
Mark	CFM @ 0.0° W.G.	DEHUMIDIFICATION CAPACITY PTS./DAY	BASIS OF DESIGN	NOTES
DH-1	310	130	APRILAIRE 1870W	1

NOTES:

1. PROVIDE WITH INTEGRAL CONTROLS - SET AT 60% RH (ADJUSTABLE).



M1 TYPICAL FCU - VERTICAL CLEARANCE FROM CEILING
SCALE: 1/4" = 1'-0"

SPLIT SYSTEM - ELECTRIC										
MARK	CFM	OA CFM	E.S.P. (IN. W.G.)	HP	SENSIBLE (MBh)	TOTAL (MBh)	REV. CYCLE (MBh)	AUX KW	BASIS OF DESIGN	NOTES
FCU-1/HP-1	1600	240	0.60	.75	34.5	46.0	46.5	3.8	CARRIER FBHCNP030/25H448	1, 2, 3, 4
FCU-1/HP-2	1600	100	0.60	.5	22.5	28.1	28.2	3.8	CARRIER FBHCNP030/25H449	1, 2, 3, 4
FCU-3/HP-3	1600	100	0.60	.75	34.5	46.0	46.5	3.8	CARRIER FBHCNP030/25H448	1, 2, 3, 4
FCU-4/HP-4	1600	100	0.60	.33	22.5	28.1	27.9	3.8	CARRIER FBHCNP030/25H449	1, 2, 3, 4

NOTES:
 1. COOLING CAPACITIES BASED 65°F/75°F AMBIENT. HEAT PUMP CAPACITIES BASED ON 17°F/15°F AMBIENT.
 2. PROVIDE HORIZONTAL FAN COILS WITH A CONDENSATE OVERFLOW PAN AND SAFETY FLOAT SWITCH THAT SHUTS THE UNIT DOWN, IF OVERFLOW PAN FILLS WITH CONDENSATE.
 3. HEAT PUMP SHALL BE MOUNTED ON EQUIPMENT HOUSEKEEPING PAD WHEN LOCATED ON GRADE. - SEE PLANS FOR UNIT LOCATION.
 4. ELECTRIC HEATER SHALL BE INTEGRAL TO UNIT. AUX KW SHOWN SHALL BE OUTPUT AT ELECTRICAL VOLTAGE PROVIDED.

MARK	TYPE	SIZE IN INCHES			FINISH	BASIS OF DESIGN	NOTES
		FACE	BACKPAN	NECK			
A	SUPPLY	8 x 8	N/A	6 x 6	WHITE	TITUS 30RS	
B	SUPPLY	24 x 24	18 x 18	6"	WHITE	TITUS TDC	1
C	SUPPLY	24 x 24	18 x 18	8"	WHITE	TITUS TDC	1
E	SUPPLY	24 x 24	18 x 18	10"	WHITE	TITUS TDC	1
K	SUPPLY	24 x 24	18 x 18	10"	WHITE	TITUS TDC 3-WAY	1, 2
R	RET/EXH	24 x 24	N/A	22 x 22	WHITE	TITUS 50F	
S	SUPPLY	20 x 14	N/A	18 x 12	WHITE	TITUS 30RS	
X	RET/EXH	24 x 12	N/A	22 x 10	WHITE	TITUS 50F	
Z	RET/EXH	24 x 24	N/A	22 x 22	WHITE	TITUS 50F	1

NOTES:
 1. PROVIDE TRANSITION FROM SQUARE NECK TO ROUND NECK.
 2. DIFFUSER SHALL BE 3-WAY BLOW TYPE. SEE DETAIL.

LOUVER SCHEDULE					
MARK	SIZE	FREE AREA SQ. FT.	SERVICE	BASIS OF DESIGN	NOTES
L-1	24x12	0.68	EXHAUST	GREENHECK ESD435	1, 2
L-2	24x12	0.68	EXHAUST	GREENHECK ESD435	1, 2
L-3	24x12	0.68	OUTSIDE AIR	GREENHECK ESD435	1, 3
L-4	24x12	0.68	OUTSIDE AIR	GREENHECK ESD435	1, 3

NOTES:
 1. COORDINATE CUSTOM COLOR FROM FULL RANGE OF COLORS WITH ARCHITECT.
 2. LOUVER SHALL HAVE A KYNAR FINISH.
 3. PROVIDE WITH MOTORIZED DAMPER INTERLOCKED WITH FAN SERVED.

JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA
GMC # AATL230012



M1.02
HVAC - SCHEDULES

CHANGES REQUIRED	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Name (Print)	Brent Pauls	
Signature		
Company (Print)	Mechanical Repair Service	
Date	12/15/2025	

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