Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 10/23/2025

Completed By: National TAB

PROJECT

Eastgate Ambulatory (Union Twnshp, OH)

4155 Aicholtz Rd

Cincinnati, OH 45245

Client

Perfection Group

2649 Commerce Boulevard

Cincinnati, OH 45241

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

Table Of Contents

CERTIFICATION

PROJECT: Eastgate Ambulatory (Union Twnshp, OH)

The data presented in this report is a record of system measurements and final adjustments that have been obtained in accordance with the current edition of the NEBB *Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems.* Any variances from design quantities, which exceed NEBB tolerances, are noted in the Test-Adjust-Balance Report Project Summary.

The air distribution system has been tested and balanced and final adjustments have been made in accordance with NEBB standards and the project specifications.

NEBB TAB FIRM:	National TAB
REGISTRATION NO:	3629
CERTIFIED BY:	Joe Hertenstein
DATE:	10/23/2025

The hydronic distribution system has been tested and balanced and final adjustments have been made in accordance with NEBB standards and the project specifications.

NEBB TAB FIRM:	National TAB
REGISTRATION NO:	3629
CERTIFIED BY:	Joe Hertenstein
DATE:	

Submitted and Certified by:

NEBB TAB FIRM:	National TAB
TAB PROFESSIONAL:	Joe Hertenstein
SIGNATURE:	Joe Hertenstein
REGISTRATION NO:	3629
CERTIFICATION EXP:	12/31/2025

Function		Range	Minimum Accuracy	Instrument Information	Calibration Date	Date Due
AIR	AIR PRESSURE	0 in wg to 10 in wg	2% +/- 0.001 in wg	Evergreen S-PVF-1 S/N 2200484C	3/24/2025	3/24/2027
	AIR VELOCITY INSTRUMENT	50 fpm to 3900 fpm	+/- 5 % +/- 7 fpm	Evergreen S-PVF-1 S/N 2200484C	3/24/2025	3/24/2027
	DIRECT HOOD READING	100 cfm to 2000 cfm	+/- 5 % +/- 7 cfm	Evergreen S-PVF-1 S/N 2200484C	3/24/2025	3/24/2027
TEMPERATURE	AIR METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 071118034	9/9/2025	9/9/2026
	AIR PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 5028	9/9/2025	9/9/2026
	IMMERSION METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 071118034	9/9/2025	9/9/2026
	IMMERSION PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 1075	9/9/2025	9/9/2026
	CONTACT METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 071118034	9/9/2025	9/9/2026
	CONTACT PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 4011	9/9/2025	9/9/2026
HUMIDITY	HUMIDITY PROBE	10 % RH to 90 % RH	3% of reading	Cooper ATKINS - SRH77A S/N 071118034	9/9/2025	9/9/2026
ELECTRICAL	VOLTAGE MEASUREMENT	0 VAC to 600 VAC	2 % reading +/- 5 digits	Fluke 373 True RMS, S/N: 33290686	9/8/2025	9/8/2026
	AMPERAGE MEASUREMENT	0 Amperers to 100 Amperes	2 % reading +/- 5 digits	Fluke 373 True RMS, S/N: 33290686	9/8/2025	9/8/2026
ROTATION	ROTATION MEASUREMENT	60 rpm to 5000 rpm	2 % reading 2 rpm	SHIMPO DT-207LR S/N: D1530081R	9/9/2025	9/9/2026
HYDRONIC	PRESSURE MEASUREMENT	-30 in Hg to 200 psi	±2% of reading +/- 1 psi	Evergreen Water Module S/N: 2500210B	8/11/2025	8/11/2026
	DIFFERENTIAL PRESSURE MEASUREMENT	0 psi - 80 psi	±2% of reading +/- 1 psi	Evergreen Water Module S/N: 2500210B	8/11/2025	8/11/2026

Abbreviation List

A = Area (ft^2)	S.F. = Service Factor
AHU = Air Handling Unit	SF = Supply Fan
A_k = Effective Area	SP = Static Pressure
BHP = Brake Horsepower (IP) HP	SR = Supply Register
Btu = British Thermal Unit	T = Temperature
Btu/h = Btuh = BTUH = BTU/Hour	T_{ma} = Mixed Air Temperature
CL = Center Distance (used in belt formula)	T_{oa} = Outside Air Temperature
CD = Ceiling Diffuser	T_{ra} = Return Air Temperature
CF = Correction Factor	H = Head (in wc, ft wc, psi)
CFM = Volumetric Flow: Cubic Feet Per Minute	h = Enthalpy
CO2 = Carbon Dioxide	HP = Horsepower
CO = Carbon Monoxide	hr = Hour
C_v = Flow Constant	K_v = Flow constant (SI)
d = Diameter (in.) IP	kW = Kilowatt = 1000 Watts
Δ = Difference or Change (Final - Initial)	LAT = Leaving Air Temperature
DB = Dry Bulb	lb = Pounds
EA = Exhaust Air	LWT = Leaving Water Temperature
EAT = Entering Air Temperature	ma = Mixed Air
EF = Exhaust Fan	MIN = Minimum
Eff = Efficiency	MAX = Maximum
EG = Exhaust Grille	N/A = Not Applicable
ESP = External Static Pressure	NA = No Access
EWT = Entering Water Temperature	NL = Not Listed
°F = Degrees Fahrenheit, °F	NPSHA = Net Positive Suction Head Available
FPB = Fan Powered Box	NS = Not Specified
FLA = Full Load Amps	OA = Outside Air
fpm = Feet per Minute (fpm)	OAT = Outside Air Temperature
ft = Foot	PD = Sheave Pitch Diameter
gal = Gallons	P.D. = Pressure Drop
GPM = Gallons Per Minute (GPM)	PF = Power Factor
h = Enthalpy (BTU/lb dry air)	SG = Supply Grille
P = Pressure	SR = Supply Register
ppm = parts per million	TP = Total Pressure
psi = Pounds Per Square Inch	T_{ra} = Return Air Temperature
psid = PSI Differential	TS = Tip Speed (fpm) IP, (m/s) SI
r = Radius (in)	TSP = Total Static Pressure
$\%_{ra}$ = % of Return Air	V = Velocity
RA = Return Air	VAV = Variable Air Volume
RAT = Return Air Temperature	VD = Volume Damper
RF = Return Fan	VFD = Variable Frequency Drive
RG = Return Grille	W = Watt
RH = Relative Humidity	WB = Wet Bulb
RPM = Revolutions Per Minute	wg = wc = water gauge = water column
RTU = Roof Top Unit	WHP = Water Horsepower (IP)
SA = Supply Air	ω = Humidity Ratio

1 FLOOR PLAN - MECHANICAL
3/16"=1'-0"

PROJECT NOTES

A. PROJECT SCOPE OF WORK INCLUDES LIKE–FOR–LIKE REPLACEMENTS OF ROOFTOP UNITS, AIR HANDLING UNITS, HUMIDIFIERS, EXHAUST FANS AND ELECTRIC DUCT HEATERS. EXISTING FLOOR PLANS WITH AIR DEVICE LOCATIONS AND DUCT ROUTING SHOWN FOR REFERENCE ONLY. SPACE USAGE WITHIN PROJECT SCOPE NOT ALTERED. VENTILATION RATES FOR AREAS SERVED BY THIS PROJECT ARE UNAFFECTED BY THIS REVISION.

CODED NOTES

1. REMOVE DUCT MOUNTED HEATER AND REPLACE LIKE–FOR–LIKE. MAINTAIN CONTROL WIRING FOR USE WITH NEW HEATER. MODIFY EXISTING DUCTWORK AS REQUIRED TO MAKE FINAL CONNECTIONS TO NEW HEATER.
2. REMOVE WALL MOUNTED HUMIDIFIER AND REPLACE LIKE–FOR–LIKE. ROUTE NEW PIPING TO NEW DUCTMOUNTED DISPERSION TUBE.
3. REMOVE EXISTING ROOF MOUNTED EXHAUST FAN AND REPLACE LIKE–FOR–LIKE. PROVIDE ROOF CURB ADAPTOR WHERE REQUIRED AND MODIFY EXISTING DUCTWORK AS REQUIRED TO MAKE FINAL CONNECTIONS TO NEW UNIT.

ISSUE/REVISION	BY	DATE
PERMIT SUBMITTAL	CSL	04/27/22

STATE OF OHIO
WILLIAM JOHN ALBRECHT, JR.
E66541
REGISTERED
PROFESSIONAL ENGINEER
04/27/2022

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MECHANICAL FLOOR PLAN

HVAC RENOVATIONS FOR:
MERCY HEALTH EASTGATE SURGERY CENTER
4415 AICHOLTZ ROAD
CINCINNATI, OHIO 45245

JOB NO.:
SCALE: AS NOTED
DATE: 04/27/2022
DRAWN BY: CSL
APPROVED BY: CSL
DRAWING NUMBER:
M-1
REVISION NO.: 0

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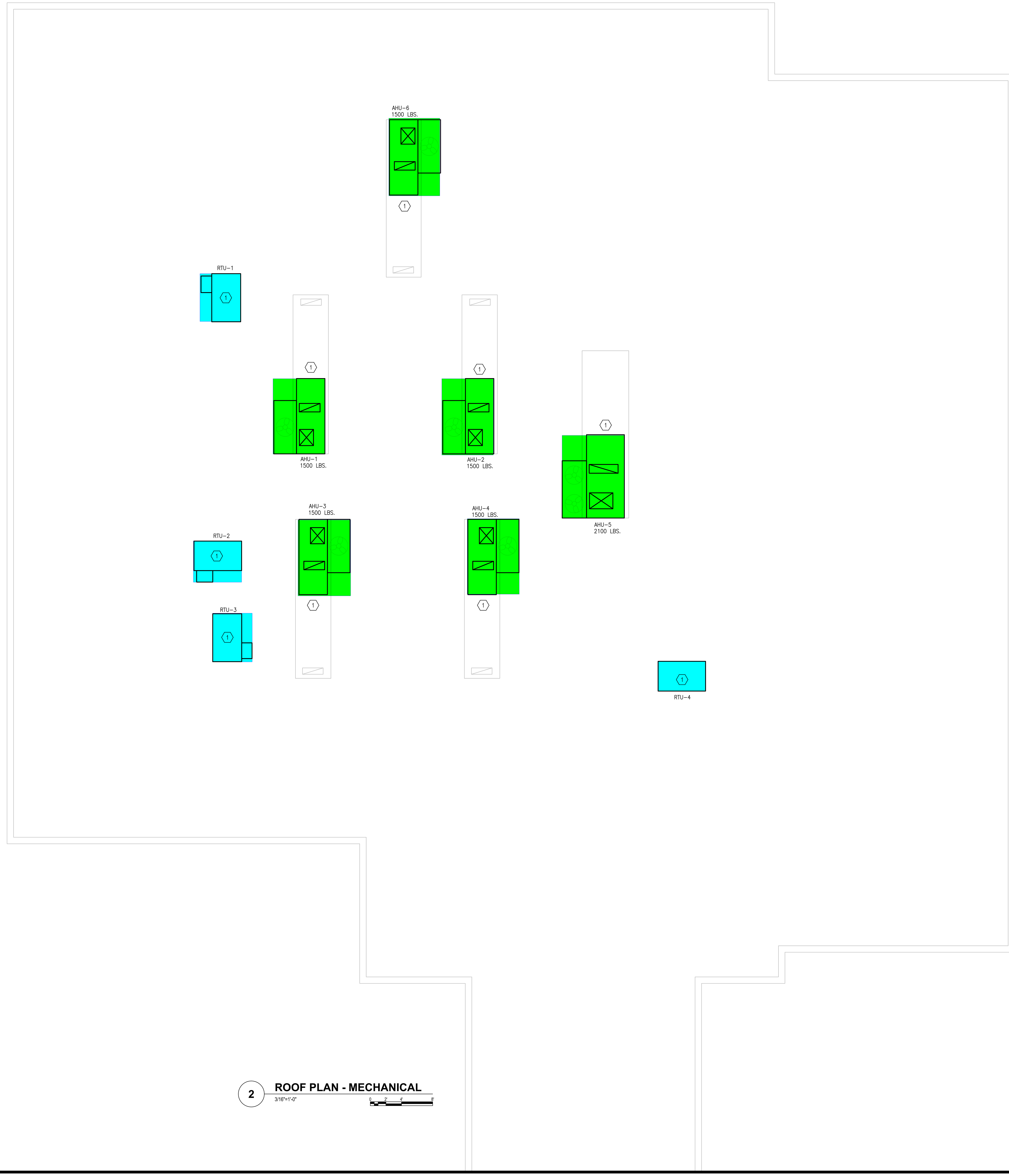

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2 ROOF PLAN - MECHANICAL
3/16"=1'-0"

DATE	BY	ISSUE/REVISION
04/27/22	CSL	PERMIT SUBMITTAL

STATE OF OHIO
WILLIAM JOHN ALBRECHT, JR.
04/27/2022

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MECHANICAL ROOF PLAN

HVAC RENOVATIONS FOR:
MERCY HEALTH EASTGATE SURGERY CENTER
4415 AICHOLTZ ROAD
CINCINNATI, OHIO 45245

JOB NO.:
SCALE: AS NOTED
DATE: 04/27/2022
DRAWN BY: CSL
APPROVED BY: CSL
DRAWING NUMBER:
M-2
REVISION NO.: 0

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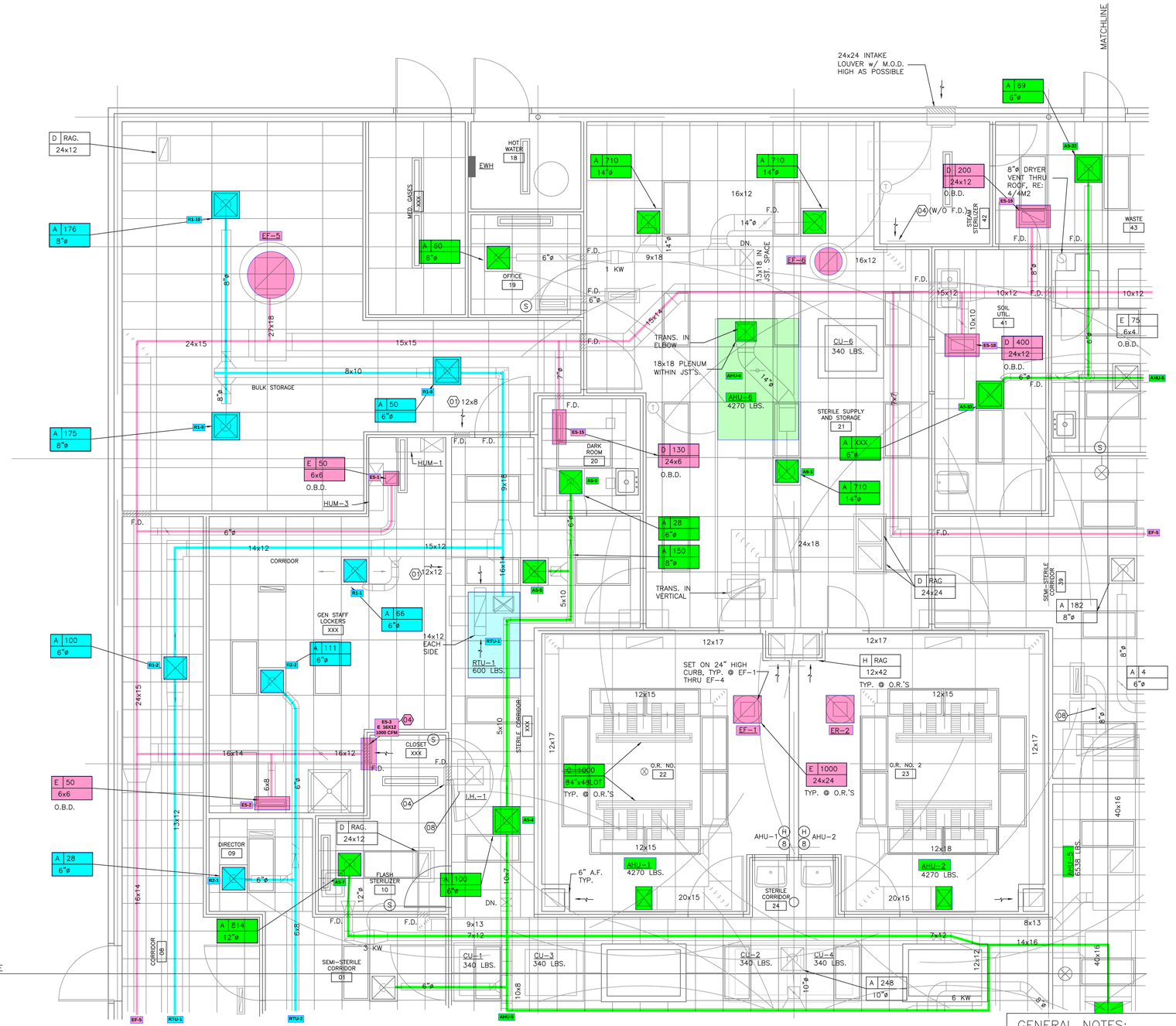

SPECIFIC NOTES:

01 PROVIDE OPENING THRU THE WALL, ABOVE THE CEILING OF SIZE INDICATED – NO SIZE SHOWN SHALL BE 1x8

02 NO OUTSIDE AIR INTAKE AT RTU–4, ALL O.A. SHALL BE FROM SF–1

03 PROVIDE SCR CONTROL TO MAINTAIN 53°F. DISCHARGE AT 500 CFM.

04 16x12 FRAMED HARDWARE CLOTH EXHAUST IN FRONT OF FIRE DAMPER–SET DESIGN AT 1000 CFM.

05 16x16 NECK SIZE INTAKE HOOD WITH MOTOR OPERATED DAMPER

06 32x16 FRAMED HARDWARE CLOTH EXHAUST IN FRONT OF FIRE DAMPER

07 24x24 NECK SIZE INTAKE HOOD WITH MOTOR OPERATED DAMPER, DAMPER MOTOR SHALL BE SERVICEABLE FROM THE INSIDE

08 ADJUST BALANCE DAMPER TO MAINTAIN A SLIGHT POSITIVE PRESSURE IN RM. 39 WITH ALL DOORS CLOSED AND CEILING TILES IN PLACE

1 / 1M1 PARTIAL HVAC PLAN

SCALE ¼"=1'–0"

N

GENERAL NOTES:

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02 DUCT TRANSITIONS FROM ROOF MOUNTED EQUIPMENT SHALL BE MADE IN THEIR VERTICAL

03 TYPE 'D' RETURN AIR GRILLES IN LAY–IN CEILINGS SHALL BE 24"x6" IN SIZE UNLESS OTHERWISE NOTED.

04 COORD. EXACT LOCATION OF CEILING MTD. AIR DEVICES IN

Seal

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tom preston - consultant
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Key Plan

EASTGATE AMBULATORY SURGICAL CENTER
- NEW CONSTRUCTION
BETWEEN EASTGATE BLVD. AND AICHOLTZ ROAD
UNION TOWNSHIP, OHIO

PARTIAL H.V.A.C. PLAN

Revisions

Issue Date 7.1.98

Project No. 0198

Sheet No. 1M1

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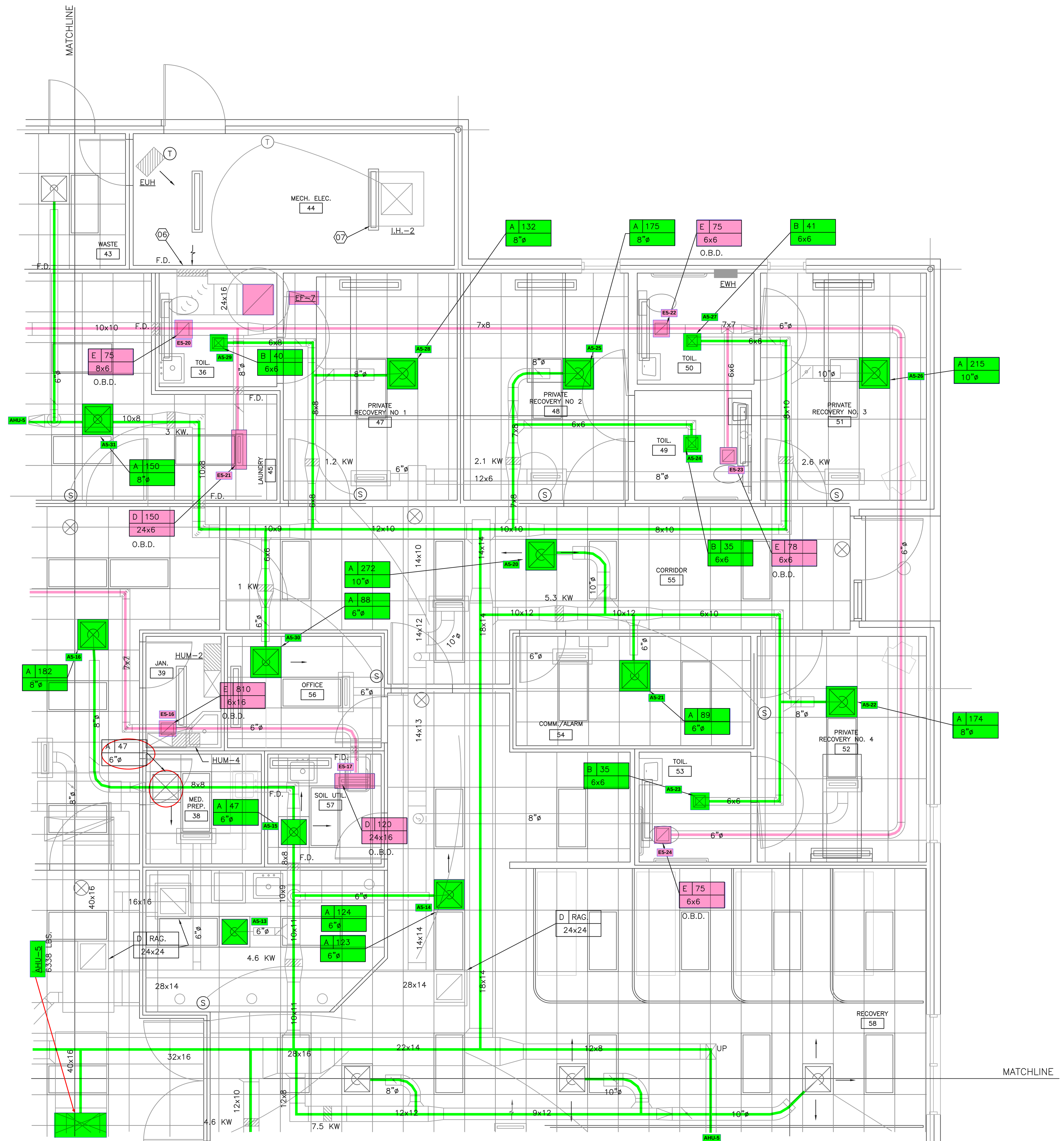
PLOT DATE: 08.29.98.08H



1
1M2
PARTIAL HVAC PLAN
SCALE ¼"=1'-0"

N

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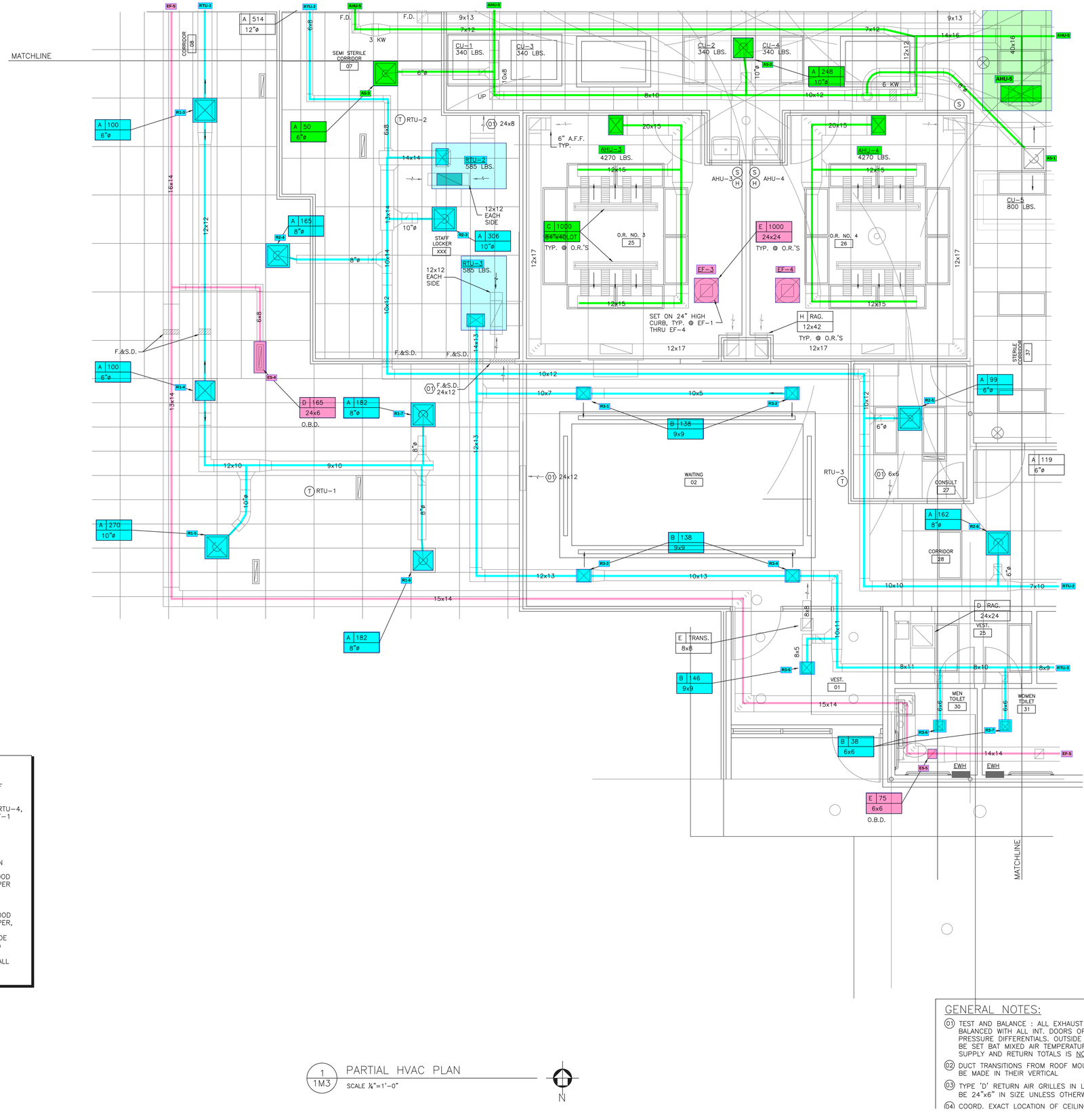
PARTIAL
H.V.A.C. PLAN

Revisions

Issue Date
7.1.98

Project No.
0198

Sheet No.
1M2



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1 / 1M3 PARTIAL HVAC PLAN

SCALE ¼"=1'–0"

N

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Key Plan

EASTGATE AMBULATORY SURGICAL CENTER - NEW CONSTRUCTION

BETWEEN EASTGATE BLVD. AND AICHOLTZ ROAD
UNION TOWNSHIP, OHIO

PARTIAL H.V.A.C. PLAN

Revisions

Issue Date
7.1.98

Project No.
0198

Sheet No.
1M3

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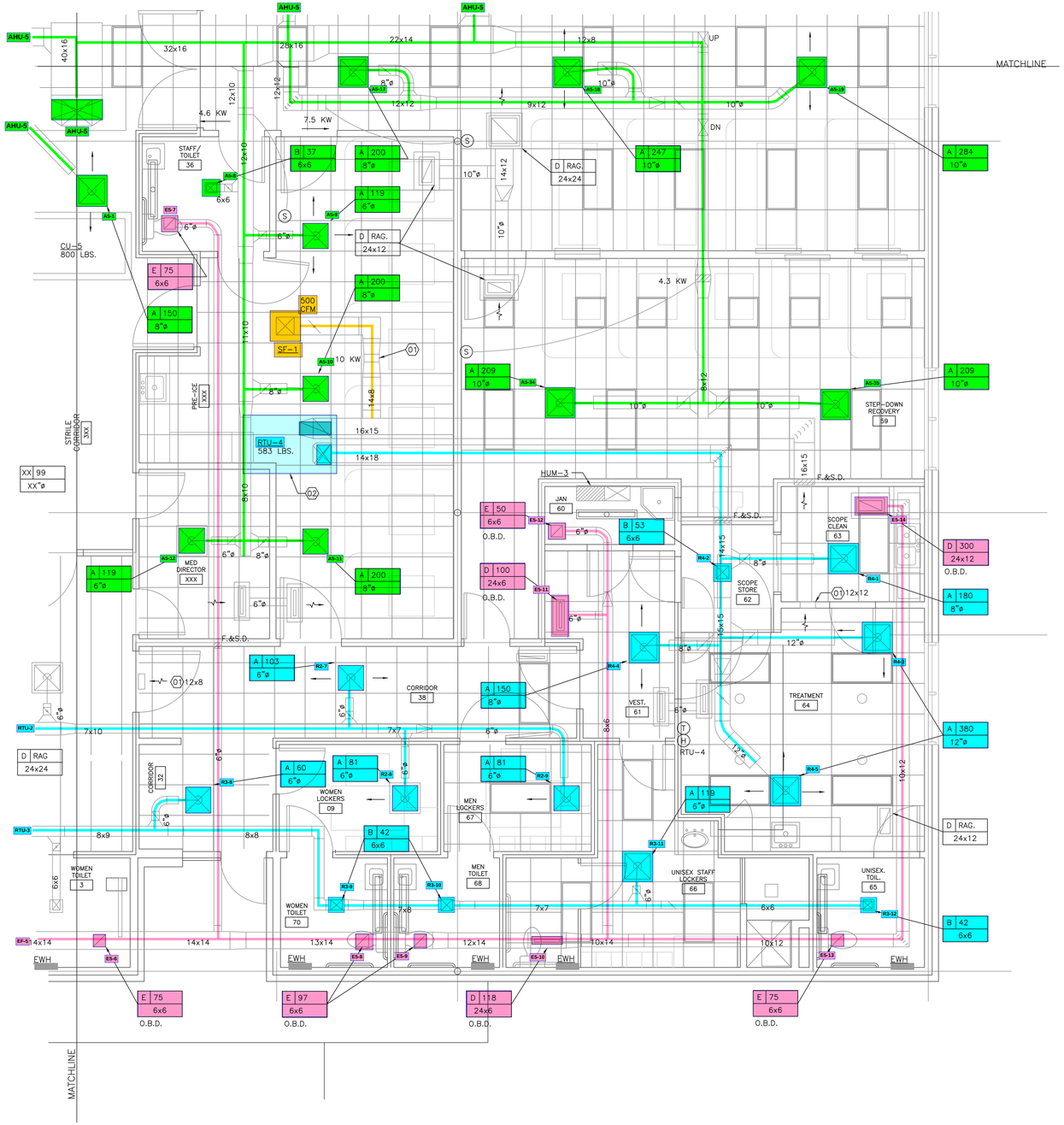
DATE: 08.29.08H



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Project No.
0198

Sheet No.
1M4

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: AHU-1 AREA:22 OR NO. 1

Unit Data		
	Design	**Actual**
MFG	NA	AAON
Serial Num	-	202204
Model Num	NA	RN-007-8-0-EB09-122
Configuration	-	RTU
Num PreFilter 1	-	4
PreFilter Size 1	-	16”X20”X2”

Motor Data		
	Design	**Actual**
Horsepower	5.0	5
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	208	208
Rated Amperage	16.7	16.7

Test Data		
	Design	**Actual**
SF CFM	2000	2024
SF RPM	2106	1466
RA CFM	-	1628
OA CFM	375	396
RL Voltage	208	208/206/207
RL Amperage	16.7	6.55 VFD
VFD Max SetPt	-	50HZ
Min OA Damper Position	-	14%

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.35”
Fan Suction SP	-	-0.54”
Fan Discharge SP	-	1.07”
Total ESP	3.50	1.42”
Fan Total SP	4.34	1.61”

Completed By: Corey Dick on 10/09/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

AHU-1/22 OR NO. 1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
A1-1	OR NO. 1	C	28X48	1000	1167	982	98.2
A1-2	OR NO. 1	C	28X48	1000	1216	1042	104.2
Total				2000	2383	2024	101.2%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: AHU-2 AREA:23 OR NO. 2

Unit Data		
	Design	**Actual**
MFG	NA	AAON
Serial Num	-	202203
Model Num	NA	RN-007-8-0-EB09-122
Configuration	-	RTU
Num PreFilter 1	-	4
PreFilter Size 1	-	16”X20X2”

Motor Data		
	Design	**Actual**
Horsepower	5.0	5.0
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	208	208
Rated Amperage	16.7	16.7

Test Data		
	Design	**Actual**
SF CFM	2000	2059
SF RPM	2106	1437
RA CFM	-	1667
OA CFM	375	392
RL Voltage	208	207/208/205
RL Amperage	16.7	6.16 VFD
VFD Max SetPt	-	49HZ
Min OA Damper Position	-	20%

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.24”
Fan Suction SP	-	-0.43”
Fan Discharge SP	-	1.05”
Total ESP	3.50	1.29”
Fan Total SP	4.34	1.48”

Completed By: Corey Dick on 10/09/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

AHU-2/23 OR NO. 2

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
A2-1	OR NO. 2	C	24X48	1000	1156	962	96.2
A2-2	OR NO. 2	C	28X48	1000	1306	1097	109.7
Total				2000	2462	2059	102.95%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: AHU-3 AREA:25 OR NO. 3

Unit Data		
	Design	**Actual**
MFG	NA	AAON
Serial Num	-	202203
Model Num	NA	RN-007-8-0-EB09-122
Configuration	-	RTU
Num PreFilter 1	-	4
PreFilter Size 1	-	16”X20”X2”

Motor Data		
	Design	**Actual**
Horsepower	5.0	5.0
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	208	208
Rated Amperage	16.7	16.7

Test Data		
	Design	**Actual**
SF CFM	2000	1937
SF RPM	2106	1437
RA CFM	-	1552
OA CFM	375	385
RL Voltage	208	205/207/206
RL Amperage	16.7	6.41 VFD
VFD Max SetPt	-	49HZ
Min OA Damper Position	-	12%

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.33”
Fan Suction SP	-	-0.55”
Fan Discharge SP	-	0.98”
Total ESP	3.50	1.31”
Fan Total SP	4.34	1.53”

Completed By: Aaron Cosby on 10/09/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

AHU-3/25 OR NO. 3

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
A3-1	OR NO. 3	C	28X48	1000	1166	962	96.2
A3-2	OR NO. 3	C	28X48	1000	1278	975	97.5
Total				2000	2444	1937	96.85%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: AHU-4 AREA:26 OR NO. 4

Unit Data		
	Design	**Actual**
MFG	NA	AAON
Serial Num	-	202203
Model Num	NA	RN-007-8-0-EB09-122
Configuration	-	RTU
Num PreFilter 1	-	4
PreFilter Size 1	-	16”X20”X2”

Motor Data		
	Design	**Actual**
Horsepower	5.0	5.0
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	208	208
Rated Amperage	16.7	16.7

Test Data		
	Design	**Actual**
SF CFM	2000	2100
SF RPM	2106	1672
RA CFM	-	1715
OA CFM	375	385
RL Voltage	208	205/207/206
RL Amperage	16.7	7.33 VFD
VFD Max SetPt	-	57HZ
Min OA Damper Position	-	12%

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.39”
Fan Suction SP	-	-0.58”
Fan Discharge SP	-	1.61”
Total ESP	3.50	2.00”
Fan Total SP	4.34	2.19”

Completed By: Corey Dick on 10/09/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

AHU-4/26 OR NO. 4

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
A4-1	OR NO. 4	C	28X48	1000	1068	1087	108.7
A4-2	OR NO. 4	C	28X48	1000	1105	1013	101.3
Total				2000	2173	2100	105%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: AHU-5 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	AAON
Serial Num	-	202203
Model Num	NA	RN-013-8-0-FB09-000
Configuration	-	RTU
Num PreFilter 1	-	4
PreFilter Size 1	-	20”X25”X2”

Motor Data		
	Design	**Actual**
Horsepower	7.50	7.5
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	208	208
Rated Amperage	24.2	24.2

Test Data		
	Design	**Actual**
SF CFM	5500	5504
SF RPM	1957	1965
RA CFM	4500	4435
OA CFM	1000	1069
RL Voltage	-	238 VFD
RL Amperage	-	18.40 VFD
VFD Max SetPt	-	67HZ
Min OA Damper Position	-	15%

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-1.15”
Fan Suction SP	-	-1.75”
Fan Discharge SP	-	2.17”
Total ESP	4.37	3.32”
Fan Total SP	4.37	3.92”

Completed By: Corey Dick on 10/09/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

AHU-5/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
A5-1	37	A	8	150	439	157	104.7
A5-2	24	A	10	248	201	254	102.4
A5-3	07	A	6	50	54	55	110.0
A5-4	12	A	6	100	107	105	105.0
A5-5	12	A	8	150	64	162	108.0
A5-6	20	A	6	28	98	30	107.1
A5-7	10	A	12	814	38	745	91.5
A5-8	36	B	6X6	37	50	38	102.7
A5-9	35	A	6	119	128	125	105.0
A5-10	35	A	8	200	146	216	108.0
A5-11	35	A	8	200	272	215	107.5
A5-12	34	A	6	119	136	126	105.9
A5-13	58	A	6	124	268	115	92.7
A5-14	58	A	6	123	124	132	107.3
A5-15	57	A	6	47	27	50	106.4
A5-16	39	A	8	182	44	189	103.8
A5-17	58	A	8	200	224	219	109.5
A5-18	58	A	10	247	248	256	103.6
A5-19	58	A	10	284	294	292	102.8
A5-20	55	A	10	272	440	289	106.3
A5-21	54	A	6	89	81	89	100.0
A5-22	52	A	8	174	223	178	102.3
A5-23	53	B	6X6	35	38	34	97.1
A5-24	49	B	6X6	35	37	37	105.7
A5-25	48	A	8	175	184	184	105.1
A5-26	51	A	10	215	287	236	109.8
A5-27	50	B	6X6	41	53	45	109.8
A5-28	47	A	8	132	134	132	100.0
A5-29	46	B	6X6	40	44	40	100.0
A5-30	56	A	6	88	83	84	95.5
A5-31	45	A	8	150	NOT INSTALLED	0	0.0
A5-32	43	A	6	69	41	64	92.8
A5-33	41	A	6	150	158	158	105.3
A5-34	58	A	10	209	241	227	108.6
A5-35	58	A	10	209	226	226	108.1
Total				5505	5232	5504	99.98%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: AHU-6 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	AAON
Serial Num	-	202203
Model Num	NA	RN-006-8-0-FB09-122
Configuration	-	RTU
Num PreFilter 1	-	4
PreFilter Size 1	-	16”X20”X2”

Motor Data		
	Design	**Actual**
Horsepower	3.0	3.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	10.5

Test Data		
	Design	**Actual**
SF CFM	2190	2203
SF RPM	1939	1925
RA CFM	-	1746
OA CFM	425	457
RL Voltage	208	211 VFD
RL Amperage	-	6.59 VFD
VFD Max SetPt	-	66HZ
Min OA Damper Position	-	3.2 VDC

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.64”
Fan Suction SP	-	-1.03”
Fan Discharge SP	-	1.35”
Total ESP	3.35	1.99”
Fan Total SP	3.35	2.38”

Completed By: Corey Dick on 10/09/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

AHU-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
A6-1	21	A	14	710	677	697	98.2
A6-2	21	A	14	710	731	742	104.5
A6-3	21	A	14	710	706	707	99.6
A6-4	19	A	6	60	139	57	95.0
Total				2190	2253	2203	100.59%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: RTU-1 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	2422C06536
Model Num	NA	50FC-A05A2A5-0F0A0
Configuration	-	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	28”X14”
Num PreFilter 1	-	2
PreFilter Size 1	-	16”X25”X2”

Motor Data		
	Design	**Actual**
Phase	3	3
Rated Voltage	208	208
Rated Amperage	7.1	7.1

Test Data		
	Design	**Actual**
SF CFM	1401	1399
SF RPM	2043	1914
RA CFM	-	1176
OA CFM	215	223
RL Voltage	208	207
RL Amperage	7.1	6.0
SF System SetPt	-	8.7 VDC
OA Damper Position	-	20%

Performance Data		
	Design	**Actual**
Fan Suction SP	-	-0.37
Fan Discharge SP	-	0.98”
Total ESP	0.50	0.59”
Fan Total SP	0.85	1.35”

Completed By: Aaron Cosby on 10/10/2025

Notes:
-0.22” MA SP

Written By: Aaron Cosby on 10/10/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

RTU-1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-1	14	A	6	66	102	67	101.5
R1-2	06	A	6	100	55	97	97.0
R1-3	06	A	6	100	259	92	92.0
R1-4	03	A	6	100	129	98	98.0
R1-5	04	A	10	270	388	283	104.8
R1-6	03	A	8	182	225	172	94.5
R1-7	03	A	8	182	224	195	107.1
R1-8	16	A	8	50	131	51	102.0
R1-9	16	A	8	175	144	183	104.6
R1-10	16	A	8	176	134	161	91.5
Total				1401	1791	1399	99.86%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: RTU-2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	0722C05316
Model Num	NA	50FC-A04A2A5-0F0A0
Configuration	-	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	26”X14”
Num PreFilter 1	-	2
PreFilter Size 1	-	16”X25”X2”

Motor Data		
	Design	**Actual**
Phase	3	3
Rated Voltage	208	208
Rated Amperage	5.1	5.1

Test Data		
	Design	**Actual**
SF CFM	1136	1137
SF RPM	-	1914
RA CFM	-	863
OA CFM	285	274
RL Voltage	208	206
RL Amperage	5.1	4.7
SF System SetPt	-	8.7 VDC
OA Damper Position	-	20%

Performance Data		
	Design	**Actual**
Fan Suction SP	-	-0.48”
Fan Discharge SP	-	0.47”
Total ESP	0.70	0.80”
Fan Total SP	0.82	0.95”

Completed By: Aaron Cosby on 10/10/2025

Notes:
-0.33” MA SP

Written By: Aaron Cosby on 10/10/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

RTU-2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
R2-1	09	A	6	28	29	29	103.6
R2-2	13	A	6	111	115	115	103.6
R2-3	06	A	10	306	354	293	95.8
R2-4	05	A	8	165	205	163	98.8
R2-5	27	A	6	99	109	102	103.0
R2-6	28	A	8	162	104	174	107.4
R2-7	33	A	6	103	112	111	107.8
R2-8	69	A	6	81	46	73	90.1
R2-9	67	A	6	81	65	77	95.1
Total				1136	1139	1137	100.09%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: RTU-3 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	0822C05318
Model Num	NA	50FC-A04A2A5-0F0A0
Configuration	-	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	26”X14”
Num PreFilter 1	-	2
PreFilter Size 1	-	16”X25”X2”

Motor Data		
	Design	**Actual**
Phase	3	3
Rated Voltage	208	208
Rated Amperage	5.1	5.1

Test Data		
	Design	**Actual**
SF CFM	1079	1086
SF RPM	1802	1628
RA CFM	-	831
OA CFM	250	255
RL Voltage	208	206
RL Amperage	5.1	3.0
SF System SetPt	-	7.4 VDC
OA Damper Position	-	20%

Performance Data		
	Design	**Actual**
Fan Suction SP	-	-0.28”
Fan Discharge SP	-	0.50”
Total ESP	0.70	0.68”
Fan Total SP	0.82	0.78”

Completed By: Aaron Cosby on 10/10/2025

Notes:
-0.18” MA SP

Written By: Aaron Cosby on 10/10/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

RTU-3/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
R3-1	02	B	6X6	138	156	142	102.9
R3-2	02	B	6X6	138	147	147	106.5
R3-3	02	B	6X6	138	12	136	98.6
R3-4	02	B	6X6	138	124	131	94.9
R3-5	01	B	9X9	146	61	158	108.2
R3-6	30	B	6X6	38	40	40	105.3
R3-7	31	B	6X6	38	46	41	107.9
R3-8	32	A	6	60	56	56	93.3
R3-9	70	B	6X6	42	41	41	97.6
R3-10	68	B	6X6	42	40	40	95.2
R3-11	66	A	6	119	110	110	92.4
R3-12	65	B	6X6	42	37	44	104.8
Total				1079	870	1086	100.65%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: AHU/RTU

Asset: RTU-4 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	0822C05317
Model Num	NA	50FC-A04A2A5-0F0A0
Configuration	-	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	28”X14”
Num PreFilter 1	-	2
PreFilter Size 1	-	16”X25”X2”

Motor Data		
	Design	**Actual**
Phase	3	3
Rated Voltage	208	208
Rated Amperage	5.1	5.1

Test Data		
	Design	**Actual**
SF CFM	1143	1103
RA CFM	-	622
OA CFM	500	481
RL Voltage	208	207
RL Amperage	5.1	3.2
SF System SetPt	-	7.54 VDC
OA Damper Position	-	20% MARKED

Performance Data		
	Design	**Actual**
Fan Suction SP	-	-0.30”
Fan Discharge SP	-	0.45”
Total ESP	0.70	0.73”
Fan Total SP	0.82	0.75”

Completed By: Corey Dick on 10/09/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

AHU/RTU

Diffuser Supply (GRD)

RTU-4/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
R4-1	63	A	8	180	112	164	91.1
R4-2	62	B	6X6	53	53	56	105.7
R4-3	64	A	12	380	350	375	98.7
R4-4	61	A	8	150	27	159	106.0
R4-5	64	A	12	380	216	349	91.8
Total				1143	758	1103	96.5%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: FAN - Exhaust

Asset: EF-5 AREA:CENTRAL

Unit Data		
	Design	**Actual**
MFG	NA	COOK
Model Num	NA	180 ACRU
Serial Num	-	108SJ73521
Type	CRE UPBLAST	UPBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	WESTINGHOUSE
Horsepower	2.0	2.0
Motor Rpm	1396	1740
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	5.48

Drive Data	
	Actual
Motor Sheave Size	4”
Motor Bore Size	1”
Motor Sheave SetPt	0 TURNS OUT
Fan Sheave Size	6”
Fan Sheave Bore	1”
Belt CL Distance	6”
Num of Belts	1
Belt Size	A20

Test Data		
	Design	**Actual**
CFM	3750	3125
Fan RPM	-	1740
RL Voltage	208	209
RL Amperage	-	4.1
Suction ESP	-	-0.48"
Discharge ESP	-	ATM
Total ESP	1.50	-0.48"

Completed By: Aaron Cosby on 10/10/2025

Notes:
1. Diffusers without dampers and/or above hard ceiling= 4,12,13,14, 20, 21, 22, 23, 24.
2. Traverse total is 3123 however connected load adds up to 2351. - Balanced proportionally.

Written By: Nick Payne on 10/23/2025

National TAB

Project:Eastgate Ambulatory (Union Twnshp, OH)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-5/CENTRAL

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E5-1	15	E	6X6	50	1	21	55	110.0
E5-2	13 RR	E	6X6	50	1	50	49	98.0
E5-3	11	E	16X12	1000	1	171	456	45.6
E5-4	05 RR	D	24X6	165	1	46	52	31.5
E5-5	30	E	6X6	75	1	41	55	73.3
E5-6	31	E	6X6	75	1	51	58	77.3
E5-7	36	E	6X6	75	1	48	51	68.0
E5-8	70	E	6X6	97	1	23	101	104.1
E5-9	68	E	6X6	97	1	85	76	78.4
E5-10	66 RR	D	24X6	118	1	61	98	83.1
E5-11	61	D	24X6	100	1	47	79	79.0
E5-12	60	E	6X6	50	1	23	69	138.0
E5-13	65	E	6X6	75	1	50	44	58.7
E5-14	63	D	24X12	300	1	15	63	21.0
E5-15	20	D	24X6	130	1	57	46	35.4
E5-16	39	D	24X16	120	1	289	86	71.7
E5-17	57	D	24X16	120	1	18	79	65.8
E5-18	41	D	24X12	400	1	33	375	93.8
E5-19	43	D	24X12	200	1	18	217	108.5
E5-20	46	E	6X6	75	1	39	43	57.3
E5-21	46	D	24X6	150	1	23	37	24.7
E5-22	50	E	6X6	75	1	56	37	49.3
E5-23	49	E	6X6	78	1	55	77	98.7
E5-24	53	E	6X6	75	1	52	48	64.0
Total				3750		1372	2351	62.69%

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: FAN - Exhaust

Asset: EF-6 AREA:STERILIZER

Unit Data		
	Design	**Actual**
MFG	NA	COOK
Model Num	NA	165 ACRU
Serial Num	-	108SJ7352
Type	CRE UPBLAST	UPBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Y
Horsepower	0.33	0.33
Motor Rpm	797	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	5.5

Drive Data	
	Actual
Motor Sheave Size	3”
Motor Bore Size	0.75”
Motor Sheave SetPt	2 TURNS OUT
Fan Sheave Size	6”
Fan Sheave Bore	1”
Belt CL Distance	5.5”
Num of Belts	1
Belt Size	A23

Test Data		
	Design	**Actual**
CFM	1500	1627
Fan RPM	-	1720
RL Voltage	115	119
RL Amperage	-	(1)
Suction ESP	-	-0.37”
Discharge ESP	-	ATM
Total ESP	0.375	-0.37”

Completed By: Aaron Cosby on 10/07/2025

Notes:
(1) conduit not long enough to take amps safely

Written By: Aaron Cosby on 10/07/2025

Unit Data - PHOTO LOG

10/07/2025

National TAB

Project: Eastgate Ambulatory (Union Twnshp, OH)

System/Unit: FAN - Exhaust

Asset: EF-7 AREA:MECHANICAL

Unit Data		
	Design	**Actual**
MFG	NA	COOK
Model Num	NA	108 ACRU
Serial Num	-	108SJ73521
Type	CRE UPBLAST	UPBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	US MOTORS
Horsepower	0.50	0.50
Motor Rpm	807	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	8

Drive Data	
	Actual
Motor Sheave Size	3”
Motor Bore Size	1”
Motor Sheave SetPt	4.5 TURNS OUT
Fan Sheave Size	6”
Fan Sheave Bore	1”
Belt CL Distance	6”
Num of Belts	1
Belt Size	A24

Test Data		
	Design	**Actual**
CFM	2500	2280
Fan RPM	-	1552
RL Voltage	115	118
RL Amperage	-	7.3
Suction ESP	-	(1)
Discharge ESP	-	ATM
Total ESP	0.375	(1)

Completed By: Aaron Cosby on 10/10/2025

Notes:
Unable to get pressures at the unit due to curb screws being covered by caulking.

Written By: Corey Dick on 10/09/2025

Test Data - PHOTO LOG

10/09/2025