

Report By:

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Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 05/02/2025
Completed By: National TAB

PROJECT
Clover Fine Arts Addition (Clover, SC)

1625 State HWY 55 E

Clover, SC 29710

Client

Action Mechanical Inc.
PO Box 7325
CHARLOTTE, NC 28241

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

Table Of Contents

Section	Page #
Certification	3
Equipment Calibrations	4
Abbreviations	5
GRD Layout	6
AHU/RTU	9
Heat Pump	21
FAN - Exhaust	23



CERTIFICATION

PROJECT: Clover Fine Arts Addition (Clover, SC)

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-Southeast

REGISTRATION NO: 3755

CERTIFIED BY: J. Scott Springer 23312

DATE: 5/2/2025

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-Southeast

REGISTRATION NO: 3755

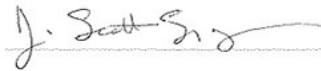
CERTIFIED BY: J. Scott Springer 23312

DATE: _____

Submitted and Certified by:

NEBB TAB FIRM: National TAB-Southeast

TAB PROFESSIONAL: J. Scott Springer

SIGNATURE: 

REGISTRATION NO: 3755 (NTAB) / 23312

CERTIFICATION EXP: 12/31/2025





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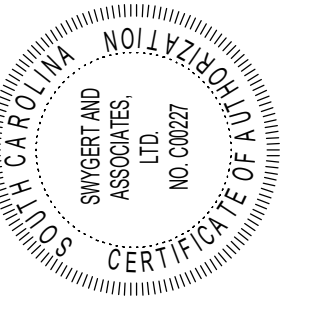
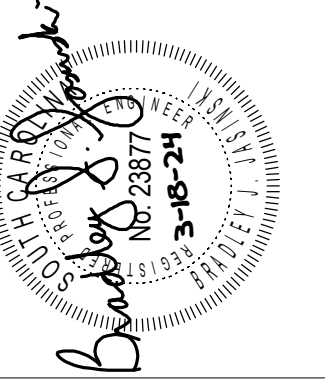


Testing, Adjusting, and Balancing Equipment

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	Shortridge ADM-880C S/N M05066	10/15/2024	10/15/2025
	AIR VELOCITY INSTRUMENT	50 fpm to 3900 fpm	+/- 5 % +/- 7 fpm	Shortridge ADM-880C S/N M05066	10/15/2024	10/15/2025
	DIRECT HOOD READING	100 cfm to 2000 cfm	+/- 3 % +/- 7 cfm	Shortridge Flow Hood	10/15/2024	10/15/2025
TEMPERATURE	AIR METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	AIR PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 5028	10/15/2024	10/15/2025
	IMMERSION METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	IMMERSION PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 1075	10/15/2024	10/15/2025
	CONTACT METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	CONTACT PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 4011	10/15/2024	10/15/2025
HUMIDITY	HUMIDITY PROBE	10 % RH to 90 % RH	3% of reading	Cooper ATKINS - SRH77A S/N 090315046	10/15/2024	10/15/2025
ELECTRICAL	VOLTAGE MEASUREMENT	0 VAC to 600 VAC	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	10/15/2024	10/15/2025
	AMPERAGE MEASUREMENT	0 Amperers to 100 Amperes	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	10/15/2024	10/15/2025
ROTATION	ROTATION MEASUREMENT	60 rpm to 5000 rpm	2 % reading 2 rpm	Dwyer TAC-L - S/N S1100123	10/15/2024	10/15/2025
HYDRONIC	PRESSURE MEASUREMENT	-30 in Hg to 200 psi	±2% of reading +/- 1 psi	Dwyer 490W-6 - S/N 01L6NK	6/3/2024	6/3/2025
	DIFFERENTIAL PRESSURE MEASUREMENT	0 psi - 80 psi	±2% of reading +/- 1 psi	Dwyer 490W-6 - S/N 01L6NK	6/3/2024	6/3/2025
DALT	DUCT LEAKAGE	-10" - +10" wc	±1% of reading +/- .0004" wc	Kanomax DALT 6900 S/N: 080439	3/2025	3/1/2026

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
CO ₂ = 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



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**CLOVER HIGH SCHOOL
9TH GRADE FINE ARTS ADDITION
CLOVER SCHOOL DISTRICT
1625 STATE HWY 55 E, CLOVER, SC 29710**

BID DOCUMENTS

No	Description	Date

DRAWN BY: BJJ

CHECKED BY: BJJ

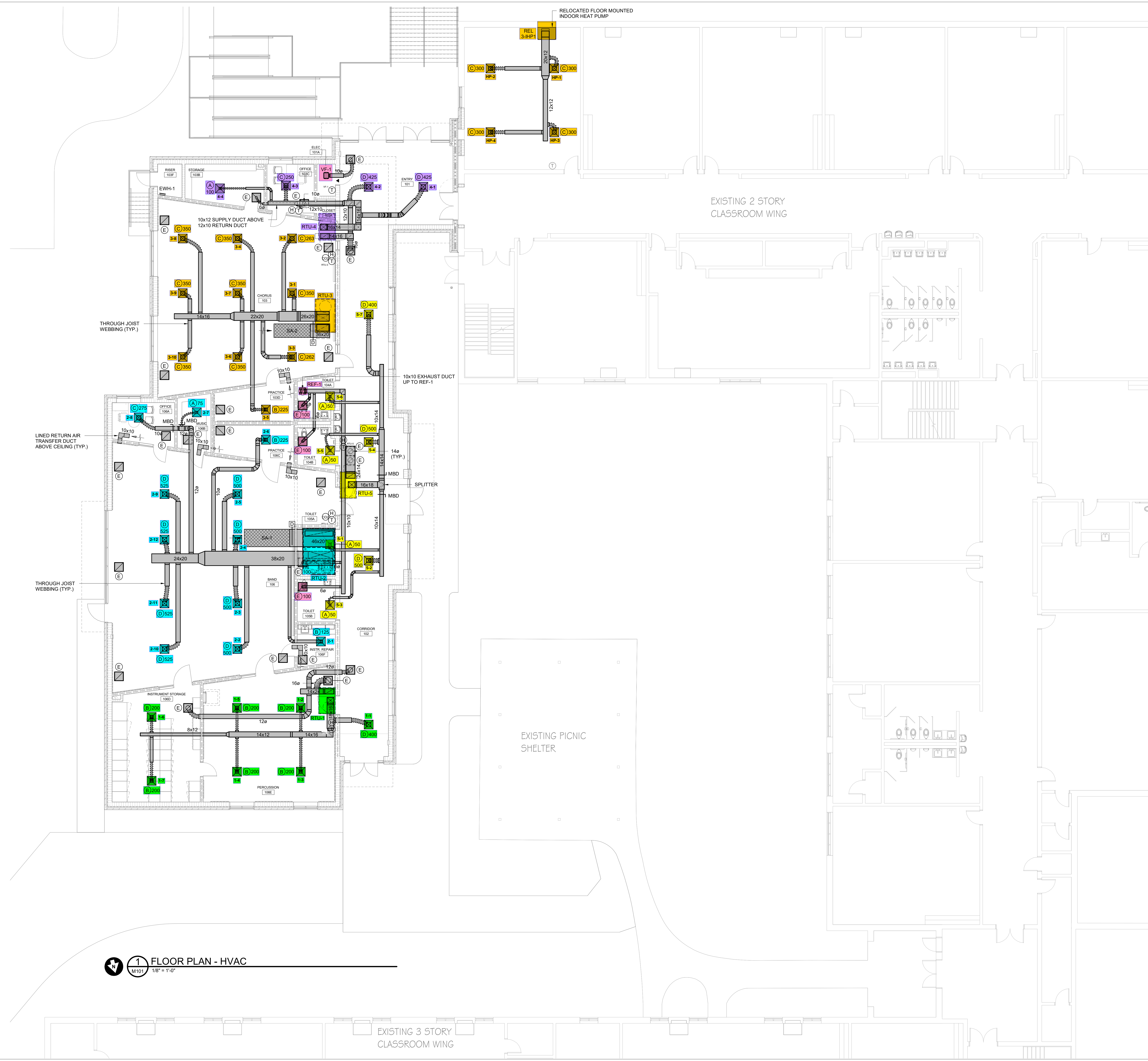
COMM NO: 21024

DATE: MARCH 18, 2024

SHEET TITLE: FLOOR PLAN - HVAC

SHEET NO:

M101



1 FLOOR PLAN - HVAC
M101
1/8" = 1'-0"

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 Columbia, S.C. 29211 mail@swygert-associates.com

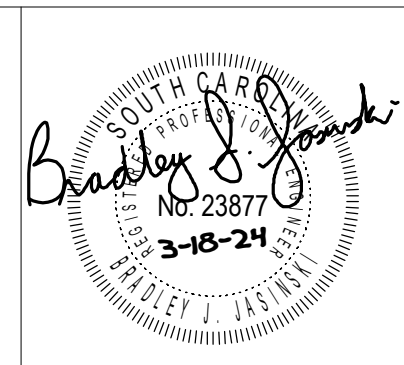
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ARCHITECTS

412 Meeting Street
West Columbia
South Carolina



CLOVER HIGH SCHOOL
9TH GRADE FINE ARTS ADDITION
CLOVER SCHOOL DISTRICT
1625 STATE HWY 55 E, CLOVER, SC 29710

BID DOCUMENTS

No	Description	Date

DRAWN BY: BJJ
 CHECKED BY: BJJ
 COMM NO: 21024
 DATE: MARCH 18, 2024
 SHEET TITLE: SECOND FLOOR PLAN - HVAC

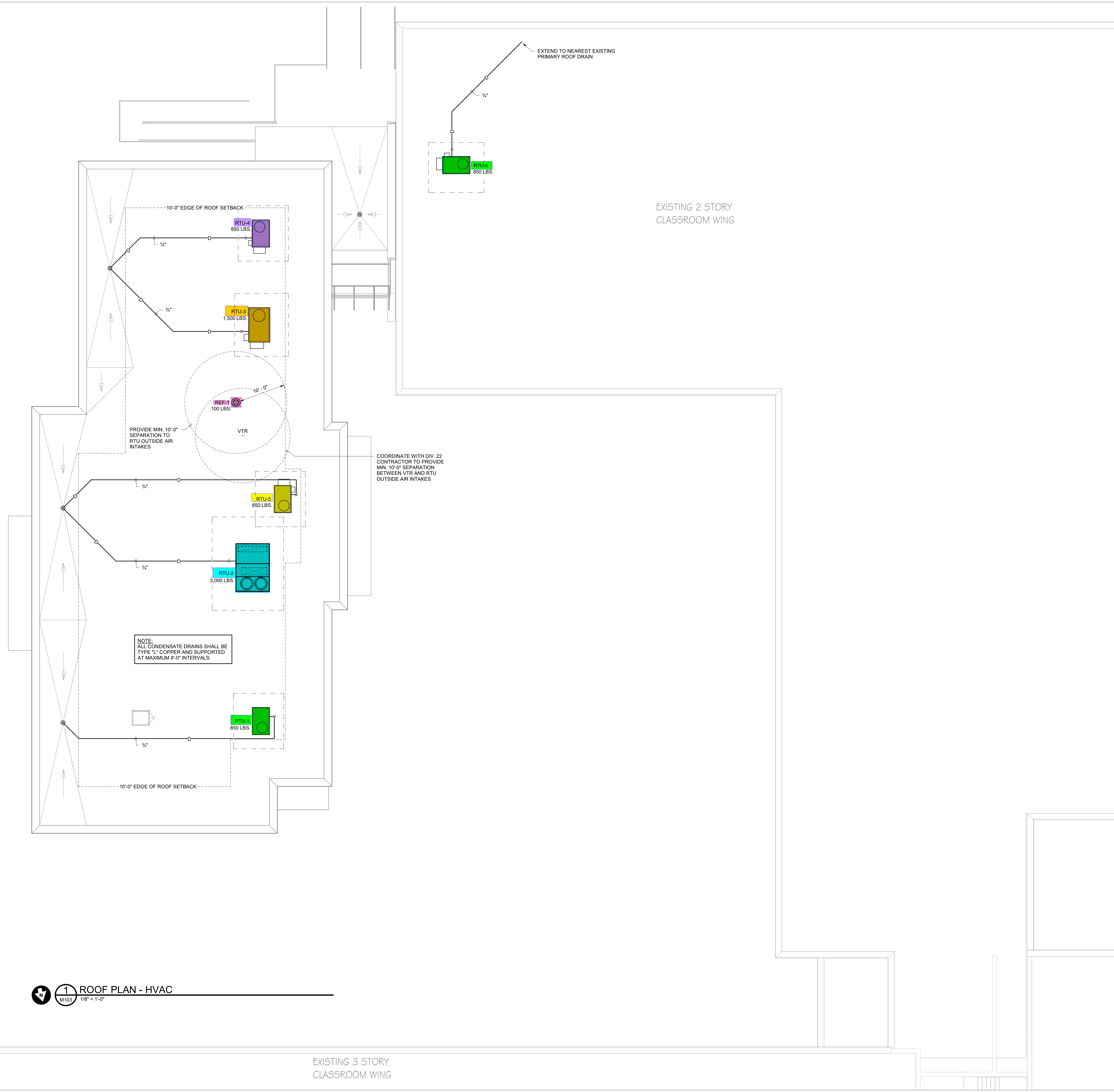
SHEET NO: M102



1 SECOND FLOOR PLAN - HVAC
 1/8" = 1'-0"

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1 ROOF PLAN - HVAC
M103 1/8" = 1'-0"

EXISTING 3 STORY CLASSROOM WING

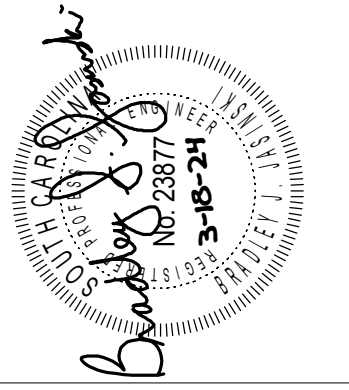
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**CLOVER HIGH SCHOOL
9TH GRADE FINE ARTS ADDITION
CLOVER SCHOOL DISTRICT
1625 STATE HWY 55 E, CLOVER, SC 29710**

BID DOCUMENTS

No	Description	Date

DRAWN BY: **BJJ**
 CHECKED BY: **BJJ**
 COMM NO: **21024**
 DATE: **MARCH 18, 2024**
 SHEET TITLE: **ROOF PLAN - HVAC**

SHEET NO:

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M103



National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: AHU/RTU



Asset: RTU1

AREA:ROOF

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	242412789L
Model Num	WSC048	WSC048H4REA2FD0C1A2A6
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	11X26.5
Num PreFilter 1	-	2
PreFilter Size 1	-	20X35X2

Test Data		
	Design	Actual
SF CFM	1600	1595
SF RPM	-	5.5 on speed dial
RA CFM	1280	1259
OA CFM	320	336
RL Voltage	460	460
RL Amperage	2.5	0.60/0.63/0.65
OA Damper Position	-	0.50" open

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NA
Horsepower	-	1
Motor Rpm	-	NA
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	2.5
Service Factor	-	1.0

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.38"
Fan Discharge SP	-	0.23"
Total ESP	0.6	0.45"
Fan Total SP	-	0.61"
Pre-Filter P.D.	-	* combined
Cooling Coil P.D.	-	-0.16*

Completed By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/29/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

AHU/RTU



Diffuser Supply (GRD)

RTU1/ROOF

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU1-SGRD1	CORRIDOR	D	12	400	1	464		396	99.0
AHU1-SGRD2	PERCUSSION	B	8	200	1	190		200	100.0
AHU1-SGRD3	PERCUSSION	B	8	200	1	202		195	97.5
AHU1-SGRD4	PERCUSSION	B	8	200	1	193		204	102.0
AHU1-SGRD5	PERCUSSION	B	8	200	1	195		205	102.5
AHU1-SGRD6	INSTRUMENT STORAGE	B	8	200	1	170		189	94.5
AHU1-SGRD7	INSTRUMENT STORAGE	B	8	200	1	196		206	103.0
Total				1600		1610	0	1595	99.69%

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: AHU/RTU



Asset: RTU2

AREA:ROOF

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	244510172D
Model Num	WSJ180	WSJ180A4S0N02D0A2A
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	17X65
Num PreFilter 1	-	8
PreFilter Size 1	-	20X24X2

Test Data		
	Design	Actual
SF CFM	4800	4790
SF RPM	-	62 %
RA CFM	3300	3279
OA CFM	1500	1511
RL Voltage	460	471/478/481
RL Amperage	4.6	3.15/3.23/3.25
OA Damper Position	-	12%

Motor Data		
	Design	Actual
Motor MFG	-	US MOTOR
Frame	-	NA
Horsepower	-	2.9
Motor Rpm	-	NA
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	4.6
Service Factor	-	1.0

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.33"
Fan Discharge SP	-	0.28"
Total ESP	1.0	1.45"
Fan Total SP	-	1.61"
Pre-Filter P.D.	-	* combined
Cooling Coil P.D.	-	-0.16" *

Completed By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/29/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

AHU/RTU



Diffuser Supply (GRD)

RTU2/ROOF

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU2-SGRD1	INSTRUMENT REPAIR	B	8	125	1	210		121	96.8
RTU2-SGRD2	BAND	D	12	500	1	430		480	96.0
RTU2-SGRD3	BAND	D	12	500	1	465		516	103.2
RTU2-SGRD4	BAND	D	12	500	1	479		522	104.4
RTU2-SGRD5	BAND	D	12	500	1	481		522	104.4
RTU2-SGRD6	PRACTICE	B	8	225	1	209		229	101.8
RTU2-SGRD7	MUSIC	A	6	75	1	111		76	101.3
RTU2-SGRD8	OFFICE	C	10	275	1	318		273	99.3
RTU2-SGRD9	BAND	D	12	525	1	479		529	100.8
RTU2-SGRD10	BAND	D	12	525	1	468		517	98.5
RTU2-SGRD11	BAND	D	12	525	1	422		495	94.3
RTU2-SGRD12	BAND	D	12	525	1	464		510	97.1
Total				4800		4536	0	4790	99.79%

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: AHU/RTU



Asset: RTU3

AREA:ROOF

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	242412927L
Model Num	WSC120	WSC120H4RKB2FD0C1A2A
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	15X36
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Test Data		
	Design	Actual
SF CFM	3200	3116
SF RPM	-	5.5 on speed dial
RA CFM	2200	2018
OA CFM	1000	1098
RL Voltage	460	477/480/478
RL Amperage	3.6	1.46/1.45/1.46
OA Damper Position	-	1-1/4 " open

Motor Data		
	Design	Actual
Motor MFG	-	US MOTOR
Frame	-	NA
Horsepower	-	2.75
Motor Rpm	-	NA
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	3.6
Service Factor	-	NA

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.86"
Fan Discharge SP	-	0.21"
Total ESP	1.0	0.73"
Fan Total SP	-	1.07"
Pre-Filter P.D.	-	* combined
Cooling Coil P.D.	-	0.34" *

Completed By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/29/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

AHU/RTU



Diffuser Supply (GRD)

RTU3/ROOF

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU3-SGRD1	CHORUS	C	10	350	1	283		335	95.7
RTU3-SGRD2	CHORUS	C	10	263	1	322		259	98.5
RTU3-SGRD3	CHORUS	C	10	262	1	219		253	96.6
RTU3-SGRD4	CHORUS	C	10	350	1	383		351	100.3
RTU3-SGRD5	PRACTICE	B	8	225	1	166		215	95.6
RTU3-SGRD6	CHORUS	C	10	350	1	365		348	99.4
RTU3-SGRD7	CHORUS	C	10	350	1	377		348	99.4
RTU3-SGRD8	CHORUS	C	10	350	1	346		337	96.3
RTU3-SGRD9	CHORUS	C	10	350	1	340		333	95.1
RTU3-SGRD10	CHORUS	C	10	350	1	304		337	96.3
Total				3200		3105	0	3116	97.38%

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: AHU/RTU



Asset: RTU4

AREA:ROOF

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	242412819L
Model Num	WSC036	WSC036H4RBA2FD0C1A2A
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	11X26.5
Num PreFilter 1	-	2
PreFilter Size 1	-	20X35X2

Test Data		
	Design	Actual
SF CFM	1200	1146
SF RPM	-	5.5 on speed dial
RA CFM	1100	1039
OA CFM	100	107
RL Voltage	460	478/477/478
RL Amperage	1.7	0.47/0.48/0.47
OA Damper Position	-	3/8"

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NA
Horsepower	-	0.75
Motor Rpm	-	NA
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	1.7
Service Factor	-	1.0

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.35"
Fan Discharge SP	-	0.15"
Total ESP	0.6	0.42"
Fan Total SP	-	0.50"
Pre-Filter P.D.	-	* combined
Cooling Coil P.D.	-	0.08" *

Completed By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/29/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

AHU/RTU



Diffuser Supply (GRD)

RTU4/ROOF

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU4-SGRD1	ENTRY	D	12	425	1	355		400	94.1
RTU4-SGRD2	ENTRY	D	12	425	1	393		410	96.5
RTU4-SGRD3	OFFICE	C	10	250	1	296		239	95.6
RTU4-SGRD4	STORAGE	A	6	100	1	116		97	97.0
Total				1200		1160	0	1146	95.5%

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: AHU/RTU



Asset: RTU5

AREA:ROOF

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	242412957L
Model Num	WSC048	WSC048H4REA2FD0C1A2A
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	11X26.5
Num PreFilter 1	-	2
PreFilter Size 1	-	20X35X2

Test Data		
	Design	Actual
SF CFM	1600	1591
SF RPM	-	5.5 on speed dial
RA CFM	1450	1434
OA CFM	150	157
RL Voltage	460	478/480/479
RL Amperage	2.5	0.64/0.63/0.64
OA Damper Position	-	3/8" open

Motor Data		
	Design	Actual
Motor MFG	-	US MOTOR
Frame	-	NA
Horsepower	-	1.0
Motor Rpm	-	NA
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	2.5
Service Factor	-	1.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.26"
Fan Suction SP	-	-0.41"
Fan Discharge SP	-	0.21"
Total ESP	0.6	0.47"
Fan Total SP	-	0.62"
Pre-Filter P.D.	-	* combined
Cooling Coil P.D.	-	0.15" *

Completed By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/29/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

AHU/RTU



Diffuser Supply (GRD)

RTU5/ROOF

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU5-SGRD1	TOILET	A	6	50	1	107		51	102.0
RTU5-SGRD2	CORRIDOR	D	12	500	1	420		505	101.0
RTU5-SGRD3	TOILET	A	6	50	1	112		48	96.0
RTU5-SGRD4	CORRIDOR	D	12	500	1	384		480	96.0
RTU5-SGRD5	TOILET	A	6	50	1	117		50	100.0
RTU5-SGRD6	TOILET	A	6	50	1	119		53	106.0
RTU5-SGRD7	CORRIDOR	D	12	400	1	391		404	101.0
Total				1600		1650	0	1591	99.44%

Completed By: Jearod Ferrette on 04/30/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: AHU/RTU



Asset: RTU6

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	242412833L
Model Num	WSC036	WSC036H4RBA2FD0C1A2A
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	11X26X5
Num PreFilter 1	-	2
PreFilter Size 1	-	20X35X2

Test Data		
	Design	Actual
SF CFM	1200	1213
SF RPM	-	5.5 on speed dial
RA CFM	1050	1055
OA CFM	150	158
RL Voltage	460	472/472/472
RL Amperage	1.7	0.50/0.51/0.50
OA Damper Position	-	3/8"

Motor Data		
	Design	Actual
Motor MFG	-	US MOTOR
Frame	-	NA
Horsepower	-	075
Motor Rpm	-	NA
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	1.7
Service Factor	-	1.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.04"
Fan Suction SP	-	-0.12"
Fan Discharge SP	-	0.54"
Total ESP	0.6	0.58"
Fan Total SP	-	0.66"
Pre-Filter P.D.	-	* combined
Cooling Coil P.D.	-	0.08" *

Completed By: Jearod Ferrette on 04/30/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

AHU/RTU



Diffuser Supply (GRD)

RTU6/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU6-SGRD1	CLASSROOM	D	6	520	1	631	641	525	101.0
RTU6-SGRD2	CLASSROOM	A	12	80	1	187	188	82	102.5
RTU6-SGRD3	CLASSROOM	A	12	80	1	108	130	83	103.8
RTU6-SGRD4	CLASSROOM	D	6	520	1	0	279	523	100.6
Total				1200		926	1238	1213	101.08%

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: Heat Pump



Asset: 3-IHP1

AREA:CLASSROOM

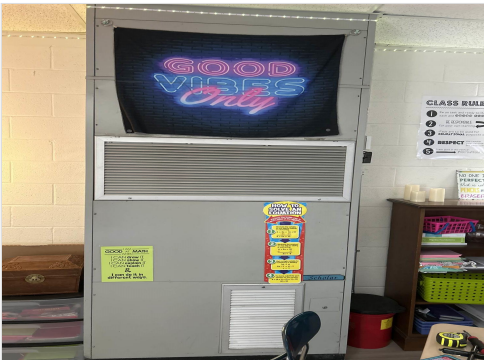
Unit Data		
	Design	Actual
Unit MFG	NA	NA
Model Num	NA	NA
Type	-	HP
Configuration	-	Vertical
Num Filters Size 1	-	1
Filter Size 1	-	16.25X32.5

Test Data		
	Design	Actual
SA CFM	1200	1197
RA CFM	-	1043
OA CFM	-	154

Motor Data		
	Design	Actual
Motor MFG	-	GREEN WHEEL
Frame	-	NA
Horsepower	-	0.1
Motor Rpm	-	NA
Phase	-	1
Voltage	-	208
Amperage	-	0.20

Completed By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/30/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

Heat Pump



Diffuser Supply (GRD)

3-IHP1/CLASSROOM

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CLASSROOM	C	10	300	415	302	100.7
SGRD2	CLASSROOM	C	10	300	323	305	101.7
SGRD3	CLASSROOM	C	10	300	284	299	99.7
SGRD4	CLASSROOM	C	10	300	197	291	97.0
Total				1200	1219	1197	99.75%

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: FAN - Exhaust



Asset: EF1

AREA:ROOF

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	G-095-D	G-095-D
Serial Num	-	202PL46374
Type	-	CRE

Test Data		
	Design	Actual
CFM	400	526
Fan RPM	-	Direct Drive
RL Voltage	115	115
RL Amperage	1.7	1.7
Total ESP	-	0.28

Motor Data		
	Design	Actual
Motor MFG	-	US MOTOR
Frame	-	487
Horsepower	-	0.125
Motor Rpm	-	1600
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.7
Service Factor	-	1

Completed By: Jearod Ferrette on 04/30/2025

Notes:
SPEED CONTROLLER NOT INSTALLED. PER CONTROLS, THEY CAN ONLY TURN ON AND OFF THE MOTOR, UNIT IS RUNNING 30% HIGH

Written By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/29/2025

National TAB
 Project: Clover Fine Arts Addition (Clover, SC)
FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/ROOF

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF1-EGRD1	TOILET	UPBLAST	1	100	1	128		121	121.0
EF1-EGRD2	TOILET	UPBLAST	1	100	1	130		128	128.0
EF1-EGRD3	TOILET	UPBLAST	1	100	1	40		117	117.0
EF1-EGRD4	TOILET	UPBLAST	1	100	1	175		160	160.0
Total				400		473	0	526	131.5%

Completed By: Jearod Ferrette on 04/30/2025

National TAB

Project: Clover Fine Arts Addition (Clover, SC)

System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-A390	SP-A390

Test Data		
	Design	Actual
CFM	300	366

Motor Data		
	Design	Actual
Motor MFG	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	-	NA
Voltage (rated)	-	NA
Amperage (rated)	-	NA

Completed By: Jearod Ferrette on 04/30/2025

Notes:

NO SPEED CONTROLLER INSTALLED, UNIT IS RUNNING 20% HIGH

Written By: Jearod Ferrette on 04/30/2025

Unit Data - PHOTO LOG



04/29/2025