

Report By:

National TAB
105 Stone Village Drive
Fort Mill, SC 29708



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 08/11/2025
Completed By: National TAB

PROJECT

Oakland Presbyterian Church (Rock Hill, SC)

421 Oakland Ave

Rock Hill, SC 29730

Client

Action Mechanical Inc.

PO Box 7325

CHARLOTTE, NC 28241

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

Table Of Contents

Section	Page #
Certification	3
Equipment Calibrations	4
Abbreviations	5
GRD Layout	6
Split Sys Furnace	8
FAN - Supply	20
FAN - Exhaust	21
Kitchen Hood Type I	26



CERTIFICATION

PROJECT: Oakland Presbyterian Church (Rock Hill, 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: 8/11/2025

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

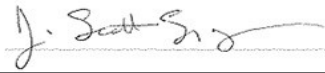
CERTIFIED BY: J. Scott Springer 23312

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





National TAB

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	Shortridge HDM 250 - S/N W25059	6/18/2025	6/18/2026
	DIFFERENTIAL PRESSURE MEASUREMENT	0 psi - 80 psi	±2% of reading +/- 1 psi	Shortridge HDM 250 - S/N W25059	6/18/2025	6/18/2026
DALT	DUCT LEAKAGE	-10" - +10" wc	±1% of reading +/- 0.004" wc	Kanomax DALT 6900 S/N: 080439	3/7/2025	3/7/2026

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

PROVIDE GREENHECK BRICK VENT (MODEL BVE157).

PROVIDE GREENHECK BRICK VENT (MODEL BVE808).

16"x16" AND 16"x14" OUTSIDE AIR DUCT UP TO ATTIC SPACE (SEE M103)

16"x16" SUPPLY DUCT UP TO ATTIC SPACE (SEE M409)

REFRIGERANT PIPING IN WALL GOING UP TO ATTIC. (TYP.) (SEE M104)

PROVIDE GREENHECK BRICK VENT (MODEL BVE808).

A 40 6"Ø

A 300 10"Ø

A 310 10"Ø

A 310 10"Ø

A 310 10"Ø

A 110 8"Ø

L 30x18

L 36x18

HP-5A

EWH-1

EF-1

EF-2

3-9

3-7

A 160 8"Ø

A 50 6"Ø

A 50 6"Ø

B 14x14

B 10x10

B 6x6

AH-1B

CONNECT 1" CONDENSATE LINE TO EXISTING CONDENSATE. VERIFY LOCATION AND SIZE

KMUA-1

HP-1A

HP-2A

HP-3A

HP-4A

KH-1

KEF-1

WC-6

GF-1 SA

GF-3 RA

GF-3 SA

EF-3

EF-4

EF-5

EF-6

EF-7

EF-8

EF-9

EF-10

EF-11

EF-12

EF-13

EF-14

EF-15

EF-16

EF-17

EF-18

EF-19

EF-20

EF-21

EF-22

EF-23

EF-24

EF-25

EF-26

EF-27

EF-28

EF-29

EF-30

EF-31

EF-32

EF-33

EF-34

EF-35

EF-36

EF-37

EF-38

EF-39

EF-40

EF-41

EF-42

EF-43

EF-44

EF-45

EF-46

EF-47

EF-48

EF-49

EF-50

EF-51

EF-52

EF-53

EF-54

EF-55

EF-56

EF-57

EF-58

EF-59

EF-60

EF-61

EF-62

EF-63

EF-64

EF-65

EF-66

EF-67

EF-68

EF-69

EF-70

EF-71

EF-72

EF-73

EF-74

EF-75

EF-76

EF-77

EF-78

EF-79

EF-80

EF-81

EF-82

EF-83

EF-84

EF-85

EF-86

EF-87

EF-88

EF-89

EF-90

EF-91

EF-92

EF-93

EF-94

EF-95

EF-96

EF-97

EF-98

EF-99

EF-100

EF-101

EF-102

EF-103

EF-104

EF-105

EF-106

EF-107

EF-108

EF-109

EF-110

EF-111

EF-112

EF-113

EF-114

EF-115

EF-116

EF-117

EF-118

EF-119

EF-120

EF-121

EF-122

EF-123

EF-124

EF-125

EF-126

EF-127

EF-128

EF-129

EF-130

EF-131

EF-132

EF-133

EF-134

EF-135

EF-136

EF-137

EF-138

EF-139

EF-140

EF-141

EF-142

EF-143

EF-144

EF-145

EF-146

EF-147

EF-148

EF-149

EF-150

EF-151

EF-152

EF-153

EF-154

EF-155

EF-156

EF-157

EF-158

EF-159

EF-160

EF-161

EF-162

EF-163

EF-164

EF-165

EF-166

EF-167

EF-168

EF-169

EF-170

EF-171

EF-172

EF-173

EF-174

EF-175

EF-176

EF-177

EF-178

EF-179

EF-180

EF-181

EF-182

EF-183

EF-184

EF-185

EF-186

EF-187

EF-188

EF-189

EF-190

EF-191

EF-192

EF-193

EF-194

EF-195

EF-196

EF-197

EF-198

EF-199

EF-200

EF-201

EF-202

EF-203

EF-204

EF-205

EF-206

EF-207

EF-208

EF-209

EF-210

EF-211

EF-212

EF-213

EF-214

EF-215

EF-216

EF-217

EF-218

EF-219

EF-220

EF-221

EF-222

EF-223

EF-224

EF-225

EF-226

EF-227

EF-228

EF-229

EF-230

EF-231

EF-232

EF-233

EF-234

EF-235

EF-236

EF-237

EF-238

EF-239

EF-240

EF-241

EF-242

EF-243

EF-244

EF-245

EF-246

EF-247

EF-248

EF-249

EF-250

EF-251

EF-252

EF-253

EF-254

EF-255

EF-256

EF-257

EF-258

EF-259

EF-260

EF-261

EF-262

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: AH-1A 1

AREA:

Unit Data		
	Design	Actual
MFG	NA	Mitsubishi electric
Model Num	NA	Pead-A12AA9
Serial Num	-	4XR02912
Configuration	HORIZONTAL	HORIZONTAL

Test Data		
	Design	Actual
SF CFM	490	412
Motor Speed SetPt	-	HIGH
RL Voltage	208	208
RL Amperage	-	NA
RA CFM	-	361

Motor Data		
	Design	Actual
Motor MFG	-	MITSUBISHI ELECTRIC
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	208	208
Amperage	-	1.05

Performance Data		
	Design	Actual
Suction ESP	-	-0.077"
Discharge ESP	-	0.116"
Total ESP	0.14-0.6"	0.193"

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

Split Sys Furnace



Diffuser Supply (GRD)

AH-1A 1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CORRIDOR	A	8	145	147	124	85.5
SGRD1	CORRIDOR	A	8	145	149	122	84.1
SGRD2	STORAGE	A	6	50	55	43	86.0
SGRD3	WOMEN RR	A	6	150	82	120	80.0
Total				490	433	409	83.47%

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-1

AREA:

Unit Data		
	Design	Actual
MFG	Trane	Trane
Model Num	NA	S9X1C100U5PSBAB
Serial Num	-	243723W1JG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1740	1501
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	9.1
OA CFM	260	200

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	NA
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.09"
Discharge ESP	-	-0.18
Total ESP	0.5	0.27"

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

Split Sys Furnace



Diffuser Supply (GRD)

GF-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	KITCHEN	A	14	660	417	599	90.8
SGRD2	KITCHEN	A	6	40	82	38	95.0
SGRD3	KITCHEN	A	6	40	70	38	95.0
SGRD4	KITCHEN	A	8	115	141	103	89.6
SGRD5	KITCHEN	A	8	115	147	104	90.4
SGRD6	KITCHEN	A	14	660	471	600	90.9
SGRD7	KITCHEN	A	6	50	103	49	98.0
SGRD8	KITCHEN	A	6	60	70	55	91.7
Total				1740	1501	1586	91.15%

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-2

AREA:

Unit Data		
	Design	Actual
MFG	Trane	Trane
Model Num	NA	S9X1C100U5PSBAB
Serial Num	-	243723WYJG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1750	1578
Motor Speed SetPt	-	COP 1.9/MAX
RL Voltage	120	120
RL Amperage	-	9.0
OA CFM	260	196

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.11"
Discharge ESP	-	-0.29"
Total ESP	0.5	0.4"

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

Split Sys Furnace



Diffuser Supply (GRD)

GF-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	101	A	12	350	298	309	88.3
SGRD2	101	A	12	350	291	300	85.7
SGRD3	101	A	12	350	308	310	88.6
SGRD4	101	A	12	350	323	332	94.9
SGRD5	101	A	12	350	329	327	93.4
Total				1750	1549	1578	90.17%

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-3

AREA:

Unit Data		
	Design	Actual
MFG	Trane	Trane
Model Num	NA	S9X1C100U5PSBAB
Serial Num	-	243717E5JG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1750	1482
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	9.2
OA CFM	260	198

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.13"
Discharge ESP	-	-0.30"
Total ESP	0.5	0.43"

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

Split Sys Furnace



Diffuser Supply (GRD)

GF-3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	105	A	10	310	234	258	83.2
SGRD2	104	A	6	40	76	34	85.0
SGRD3	103	A	10	310	248	259	83.5
SGRD4	102	A	8	110	248	94	85.5
SGRD5	105	A	10	310	249	263	84.8
SGRD6	106	A	10	300	202	247	82.3
SGRD7	109	A	8	160	145	140	87.5
SGRD8	108	A	6	50	92	44	88.0
SGRD9	110	A	8	160	144	143	89.4
Total				1750	1638	1482	84.69%

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-4

AREA:

Unit Data		
	Design	Actual
MFG	Trane	Trane
Model Num	NA	S9X1C100U5PSBAB
Serial Num	-	243723RFJG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1740	1587
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	9.1
OA CFM	260	192

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.14"
Discharge ESP	-	-0.26"
Total ESP	0.5	0.4"

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

Split Sys Furnace



Diffuser Supply (GRD)

GF-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	101	A	12	435	366	393	90.3
SGRD2	101	A	12	435	384	400	92.0
SGRD3	101	A	12	435	363	399	91.7
SGRD4	101	A	12	435	376	395	90.8
Total				1740	1489	1587	91.21%

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-5

AREA:

Unit Data		
	Design	Actual
MFG	Trane	Trane
Model Num	NA	S9X1C100U5PSBAB
Serial Num	-	243717E2JG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1750	1516
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	8.9
OA CFM	260	195

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.04"
Discharge ESP	-	-0.20"
Total ESP	0.5	0.24"

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

Split Sys Furnace



Diffuser Supply (GRD)

GF-5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	101	A	12	350	260	289	82.6
SGRD2	101	A	12	350	331	331	94.6
SGRD3	101	A	12	350	298	298	85.1
SGRD4	101	A	12	350	366	300	85.7
SGRD5	101	A	12	350	285	298	85.1
Total				1750	1540	1516	86.63%

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Supply



Asset: KMUA-1

AREA:KH-1

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	DGX-P115-H05-VFD
Serial Num	-	25973299
Type	GAS FIRED	GAS FIRED
Configuration	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	1
Filter Size 1	-	20X20X2

Test Data		
	Design	Actual
CFM	1620	1584
SF RPM	-	DD/ 47HZ
SF System SetPt	-	47HZ
RL Voltage	208	190VFD
RL Amperage	-	3.54VFD
Suction ESP	-	-0.23"
Discharge ESP	-	0.04"
Total ESP	0.75"	0.27"

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	1.5	1.5
Motor Rpm	1725	1725
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	NA
Service Factor	-	1

Completed By: Jearod Ferrette on 07/28/2025

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	NA	Greenheck
Model Num	NA	NA
Serial Num	-	25610435
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	200	195
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.53
Total ESP	0.3	0.27"

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Horsepower	-	1/3
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.56
Service Factor	-	1

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	NA	Greenheck
Model Num	NA	NA
Serial Num	-	25610435
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	200	193
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.52
Total ESP	0.3	0.26"

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Horsepower	-	1/3
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.56
Service Factor	-	1

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA:116

Unit Data		
	Design	Actual
MFG	NA	Greenheck
Model Num	NA	NA
Serial Num	-	2616299
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	75	79
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.13
Total ESP	0.283	0.261"

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Horsepower	-	15W
Motor Rpm	-	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.17
Service Factor	-	1

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Exhaust



Asset: EF-4

AREA:104

Unit Data		
	Design	Actual
MFG	NA	Greenheck
Model Num	NA	NA
Serial Num	-	191411862-0012
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	50	48
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.15
Total ESP	0.3	0.25"

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Horsepower	-	16W
Motor Rpm	-	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.16
Service Factor	-	1

Completed By: Jearod Ferrette on 08/11/2025

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Exhaust



Asset: KEF-1

AREA:KH-1

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-130-A
Serial Num	-	26232113
Type	CRE UPBLAST	CRE UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	56
Horsepower	1.0	1
Motor Rpm	1725	1765
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	3.35
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	1800	1863
System SetPt	-	49HZ
RL Voltage	208	197.6 VFD
RL Amperage	4.6	3.03 VFD
Total ESP	1.134	1.05"
Brake Horse Power	-	0.645

Completed By: Jearod Ferrette on 07/28/2025

National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Kitchen Hood Type I



Asset: KH-1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GHEW-96-S
Job / Serial Num	-	26236245
Type	TYPE II CANOPY	TYPE II CANOPY
Hood length	96	108
Hood Width	60	60
Supply Plenum Type	-	ASP
Supply Plenum Width	14	12
Supply Plenum Length	108	120

Test Data Exhaust		
	Design	Actual
Filter Type	SS BAFFLE	SS BAFFLE
Filter Size 1	20x20	20X20
Filter Size 2	16x20	16x20
Filter Qty 1	3	3
Filter Qty 2	3	3
Filter AK factor size 1	2.40	2.40
Filters AK factor size 2	2.10	2.10
Filter Total AK Area	13.5	13.5
Filter1 FPM	-	129
Filter2 FPM	-	120
Filter3 FPM	-	149
Filter4 FPM	-	149
Filter5 FPM	-	139
Filter6 FPM	-	140
Filter Ave FPM(corr)	-	138
CFM	1800	1863

Cooking Equipment	
	Actual
Item 1	GRIDDLE
Item 2	GAS GRILL

Test Data Supply		
	Design	Actual
Total Area	10.50	10.0
Kv factor (Vel)	0.90	0.89
Num of Readings	-	8
Reading1 FPM	-	128
Reading2 FPM	-	119
Reading3 FPM	-	187
Reading4 FPM	-	159
Reading5 FPM	-	178
Reading6 FPM	-	246
Reading7 FPM	-	216
Reading8 FPM	-	191
Ave FPM(corr)	-	178
CFM	1620	1584

Completed By: Jearod Ferrette on 07/28/2025

Notes:
ACCUREX HOOD 20X20 EXTRACTOR

Written By: Jearod Ferrette on 06/30/2025