

Report By:

National TAB
1329 E. KEMPER ROAD
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Report: TAB

Function: Test, Adjust, & Balance

Date: 03/13/2025

Completed By: National TAB

PROJECT

Riverbank Community Center (Riverbank, CA)

3309 Stanislaus Street

Riverbank, CA 95367

Client

B&M Builders, Inc.

11330 Sunrise Park Drive

Suite C

Rancho Cordova, CA 95742

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Project: Riverbank Community Center (Riverbank, CA)

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National TAB

Project: Riverbank Community Center (Riverbank, CA)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-080-VG-1-17-x
Serial Num	-	25206163
Type	CRE DNBLAST	DOWNBLAST

Test Data		
	Design	Actual
CFM	300	313
RL Voltage	115	NA
RL Amperage	1.38	NA
Total ESP	0.375	0.43"

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	0.10	0.10
Motor Rpm	1725	1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.38
Service Factor	-	NL

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Unit Data - PHOTO LOG



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National TAB

Project: Riverbank Community Center (Riverbank, CA)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-1/RESTROOMS

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CE-1	8	150	1	209	154	154	102.7
EGRD2	CE-1	8	150	1	157	159	159	106.0
Total			300		366	313	313	104.33%

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Project: Riverbank Community Center (Riverbank, CA)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:ELECTRICAL/AV

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-080-VG-1-17-X
Serial Num	-	25206166
Type	CRE DNBLAST	DOWNBLAST

Test Data		
	Design	Actual
CFM	225	227
RL Voltage	115	NA
RL Amperage	1.38	NA
Total ESP	0.375	0.31"

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	0.10	0.10
Motor Rpm	1725	1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.38
Service Factor	-	NL

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Unit Data - PHOTO LOG



03/10/2025

National TAB

Project: Riverbank Community Center (Riverbank, CA)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-2/ELECTRICAL/AV

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CE-2	10X10	225	1	395	227	227	100.9
Total			225		395	227	227	100.89%

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Project: Riverbank Community Center (Riverbank, CA)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA: STORAGE

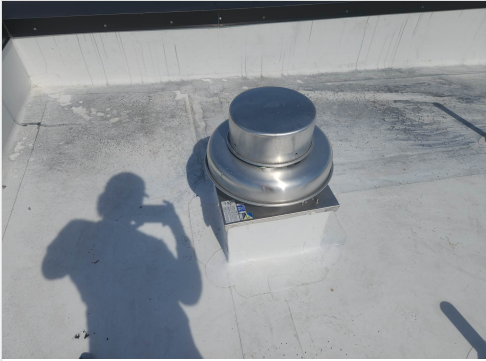
Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-060-VG-1-17-X
Serial Num	-	25206174
Type	CRE DNBLAST	DOWNBLAST

Test Data		
	Design	Actual
CFM	65	66
RL Voltage	115	NA
RL Amperage	1.3	NA
Total ESP	0.375	0.28"

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	0.067	0.067
Motor Rpm	1725	1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.3
Service Factor	-	NL

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Unit Data - PHOTO LOG



03/10/2025

National TAB

Project: Riverbank Community Center (Riverbank, CA)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-3/STORAGE

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CE-2	8X8	65	1	125	66	66	101.5
Total			65		125	66	66	101.54%

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CERTIFICATION



PROJECT: Riverbank Community Center (Riverbank, CA)

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 Standard for Testing, Adjusting and Balancing of Environmental Systems. The measurements shown, and the information given, in this report are certified to be accurate and complete, at the time and date information was gathered. Any variances from design quantities, which exceed NEBB tolerances, are noted in the TAB report project summary.

NEBB TAB FIRM: National TAB - Kansas City
REGISTRATION NO: 3768
CERTIFIED BY: Will Turnbough
DATE: 3/13/2025

Submitted and Certified by:

NEBB TAB FIRM: National TAB - Kansas City
TAB PROFESSIONAL: Will Turnbough
REGISTRATION NO: CP-24289
CERTIFICATION EXP: 12/31/2025



National TAB

Project: Riverbank Community Center (Riverbank, CA)

System/Unit: AHU/RTU



Asset: RTU-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2H3841317
Model Num	NA	XYE04A1B1AA1A111A3
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	12X25
Num PreFilter 1	-	2
PreFilter Size 1	-	16X25X2

Test Data		
	Design	Actual
SF CFM	1200	1269
SF RPM	1033	890
RA CFM	745	816
OA CFM	455	453
RL Voltage	208	244/244/244
RL Amperage	7.6	4.0/4.0/4.0
OA Damper Position	-	38%
Brake Horse Power	0.61	0.83

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	1.50	1.5
Motor Rpm	-	1725
Phase	1	1
Rated Voltage	208	230
Rated Amperage	7.6	7.2
Service Factor	-	1.15

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.31"
Fan Suction SP	-	-0.46"
Fan Discharge SP	-	0.23"
Total ESP	0.65	0.54"
Fan Total SP	-	0.69"

Drive Data	
	Actual
Motor Sheave Size	1VL34
Motor Bore Size	5/8"
Motor Sheave SetPt	3 TURNS OPEN
Fan Sheave Size	AK46
Fan Sheave Bore	3/4"
Belt CL Distance	15-1/4"
Num of Belts	1
Belt Size	A39

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Unit Data - PHOTO LOG



03/10/2025

National TAB

Project: Riverbank Community Center (Riverbank, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	BOYS RR	CS-2	8	75	172	80	106.7
SGRD2	GIRLS RR	CS-2	8	75	161	82	109.3
SGRD3	COMM RM	CS-1	10	260	282	272	104.6
SGRD4	COMM RM	CS-1	10	260	215	281	108.1
SGRD5	COMM RM	CS-1	10	265	263	279	105.3
SGRD6	COMM RM	CS-1	10	265	282	275	103.8
Total				1200	1375	1269	105.75%

Diffuser Ret/Exh (GRD)

RTU-1/

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CR-1	14	900	1	816	819	816	90.7
Total			900		816	819	816	90.67%

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National TAB

Project: Riverbank Community Center (Riverbank, CA)

System/Unit: AHU/RTU



Asset: RTU-2

AREA:

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2H3841320
Model Num	NA	XYE05A1B1AA1A111A3
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	12X25
Num PreFilter 1	-	4
PreFilter Size 1	-	16X16X2

Test Data		
	Design	Actual
SF CFM	1600	1630
SF RPM	1120	1130
RA CFM	1175	1209
OA CFM	425	422
RL Voltage	208	243/244/244
RL Amperage	7.6	5.5/5.5/5.5
OA Damper Position	-	27%
Brake Horse Power	0.84	1.14

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	1.50	1.5
Motor Rpm	-	1725
Phase	1	1
Rated Voltage	208	230
Rated Amperage	7.6	7.2
Service Factor	-	1.15

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.55"
Fan Suction SP	-	-0.65"
Fan Discharge SP	-	0.38"
Total ESP	0.65	0.93"
Fan Total SP	-	1.03"

Drive Data	
	Actual
Motor Sheave Size	1VL34
Motor Bore Size	5/8"
Motor Sheave SetPt	3 TURNS OPEN
Fan Sheave Size	AK46
Fan Sheave Bore	3/4"
Belt CL Distance	15-1/4"
Num of Belts	1
Belt Size	A39

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Unit Data - PHOTO LOG



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Project: Riverbank Community Center (Riverbank, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	MEETING	CS-1	10	400	300	391	97.8
SGRD2	MEETING	CS-1	10	400	302	411	102.8
SGRD3	MEETING	CS-1	10	400	267	403	100.8
SGRD4	MEETING	CS-1	10	400	413	425	106.3
Total				1600	1282	1630	101.88%

Diffuser Ret/Exh (GRD)

RTU-2/

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CR-1	14	587	1	612	612	612	104.3
EGRD2	CR-1	14	588	1	597	597	597	101.5
Total			1175		1209	1209	1209	102.89%

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