

Report By:

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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: 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



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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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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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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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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

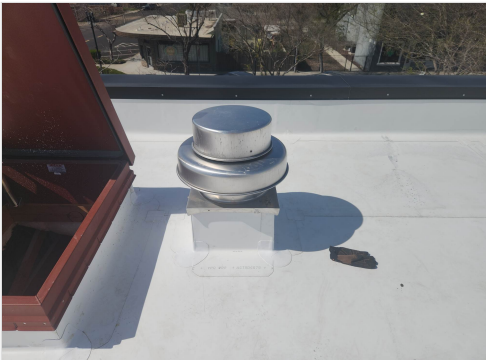
Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-080-VG-1-17-X
Serial Num	-	25206166
Type	CRE DNBLAST	DOWNBLAST

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



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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

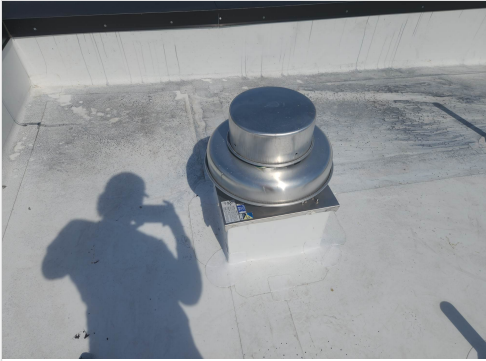
Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-060-VG-1-17-X
Serial Num	-	25206174
Type	CRE DNBLAST	DOWNBLAST

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



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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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