

**Report By:**

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



**Report: CERTIFIED TAB REPORT**

**Function: Test, Adjust, & Balance**

**Date: 11/27/2024**

**Completed By: National TAB**

**PROJECT  
PROJECT MAVERICK (FALLON, NV)**

1221 NEW RIVER PARKWAY

FALLON, NV 89406

**Client**

PANATONNI DEVELOPMENT COMPANY, INC.

# National TAB

Project: PROJECT MAVERICK (FALLON, NV)

## Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	7

# National TAB

Project: PROJECT MAVERICK (FALLON, NV)

System/Unit: AHU/RTU



Asset: RTU1

AREA:EMPLOYEE AREAS

Unit Data		
	Design	Actual
MFG	AAON	AAON
Serial Num	-	202410-ANEH32304
Model Num	RN-008	RN-008-3-0-E80E-133
Type	RTU	RTU
Configuration	HORIZONTAL DISCHARGE	HORIZONTAL
Num OA Filters 1	-	1
OA Filter Size 1	-	32X17
Num Final Filter 1	-	4
Final Filter Size 1	-	16X20X2
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	2	2
Motor Rpm	1760	1760
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	3.4

Electrical	
	Actual
VFD Min Setpt	
VFD Max Setpt	60HZ

Test Data		
	Design	Actual
SF CFM	2500	1976
SF RPM	2130	1760
RA CFM	-	1474
OA CFM	515	502
ABS MIN OA	215	233
ABS MIN OA DAMPER POSITION	-	8%
RL Voltage	-	488/488/487
RL Amperage	-	2.1/2.0/1.9
SF Rotation	-	CCW
RA Damper Position	-	80%
Min OA Damper Position	-	20%
Min OA Damper Type	-	MOTORIZED

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.98"
Fan Suction SP	-	-1.35"
Fan Discharge SP	-	0.33"
Total ESP	1.00"	0.54"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES

Completed By: Zack Eismin on 11/26/2024

Notes:

Unit is low on flow at 60hz proportionally balanced low 1976/2500 CFM. OA Damper manually set for testing.

Written By: Zack Eismin on 11/29/2024

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Project:PROJECT MAVERICK (FALLON, NV)

## AHU/RTU



### Diffuser Supply (GRD)

#### RTU1/EMPLOYEE AREAS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	104 OFFICE	CSD1	8"	150	1	105	115	115	76.7
SGRD2	116 SPACE	CSD2	8"	150	1	141	111	111	74.0
SGRD3	122 MULTI-FAITH ROOM	CSD2	8"	150	1	109	117	117	78.0
SGRD4	100 ASSOCIATE ENTRY	CSD2	10"	350	1	309	279	279	79.7
SGRD5	102 BREAKROOM	CRG1	14"	425	1	341	341	341	80.2
SGRD6	102 BREAKROOM	CRG1	14"	425	1	333	333	333	78.4
SGRD7	102 BREAKROOM	CRG1	14"	425	1	329	329	329	77.4
SGRD8	102 BREAKROOM	CRG1	14"	425	1	355	351	351	82.6
Total				2500		2022	1976	1976	79.04%

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Project: PROJECT MAVERICK (FALLON, NV)

System/Unit: AHU/RTU



Asset: RTU2

AREA: WAREHOUSE

Unit Data		
	Design	Actual
MFG	AAON	AAON
Serial Num	-	202410-BNEP32308
Model Num	RNA-020	RNA-020-C-A-3-DJB0C-B06FY
Type	RTU	RTU
Configuration	HORIZONTAL DISCHARGE	HORIZONTAL
Num OA Filters 1	-	1
OA Filter Size 1	-	52X29
Num Final Filter 1	-	6
Final Filter Size 1	-	20X25X2
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	10 HP	10
Motor Rpm	1170	1170
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	14

Electrical	
	Actual
VFD Min Setpt	
VFD Max Setpt	60HZ

Test Data		
	Design	Actual
SF CFM	9600	9298
SF RPM	1306	1170
MOTOR RPM	-	1170
RA CFM	-	7357
OA CFM	1935	1941
ABS MIN OA	1935	1941
ABS MIN OA DAMPER POSITION	-	20%
RL Voltage	-	488/488/488
RL Amperage	-	9.8/9.9/9.8
SF Rotation	-	CCW
RA Damper Position	-	80%
Min OA Damper Position	-	20%
Min OA Damper Type	-	MOTORIZED

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.36"
Fan Suction SP	-	-0.55"
Fan Discharge SP	-	0.18"
Total ESP	0.50"	0.54"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES

Completed By: Zack Eismin on 11/26/2024

Notes:  
DIFFUSERS UNABLE TO BE BALANCED DUE TO OBSTRUCTIONS. OA damper manually set for testing.

Written By: Zack Eismin on 11/26/2024

# National TAB

Project:PROJECT MAVERICK (FALLON, NV)

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU2/WAREHOUSE**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	121 WAREHOUSE	DSG1	40X12	1350					-
SGRD2	121 WAREHOUSE	DSG1	40X12	1375					-
SGRD3	121 WAREHOUSE	DSG1	40X12	1375					-
SGRD4	121 WAREHOUSE	DSG1	40X12	1375					-
SGRD5	121 WAREHOUSE	DSG1	40X12	1375					-
SGRD6	121 WAREHOUSE	DSG1	40X12	1375					-
SGRD7	121 WAREHOUSE	DSG1	40X12	1375					-
Total				9600		0	0	0	0%

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Project: PROJECT MAVERICK (FALLON, NV)

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOMS

Unit Data		
	Design	Actual
<b>MFG</b>	GREENHECK	GREENHECK
<b>Model Num</b>	SQ-120-VG	SQ-120-VG
<b>Serial Num</b>	-	25563354
<b>Type</b>	UPBLAST	INLINE
<b>Configuration</b>	VERTICAL	HORIZONTAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	NL
<b>Frame</b>	-	NL
<b>Horsepower</b>	1/2	0.5
<b>Motor Rpm</b>	1725	1725
<b>Phase</b>	1	1
<b>Voltage (rated)</b>	115	115
<b>Amperage (rated)</b>	-	6.4
<b>Service Factor</b>	-	NL

Test Data		
	Design	Actual
<b>CFM</b>	675	729
<b>Fan RPM</b>	1107	1035
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	1035
<b>System SetPt</b>	-	6
<b>RL Voltage</b>	-	NA
<b>RL Amperage</b>	-	NA
<b>Total ESP</b>	0.5"	0.56"
<b>Fan Inlet SP</b>	-	-0.56"
<b>Fan Discharge SP</b>	-	ATM

Completed By: Zack Eismin on 11/26/2024

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Project:PROJECT MAVERICK (FALLON, NV)

## FAN - Exhaust



Diffuser Ret/Exh (GRD)

**EF1/RESTROOMS**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CEG1	10"	250	1	630	273	273	109.2
EGRD2	CEG1	10"	250	1	536	267	267	106.8
EGRD3	CEG1	8"	175	1	322	189	189	108.0
Total			675		1488	729	729	108%

# National TAB

Project: PROJECT MAVERICK (FALLON, NV)

System/Unit: FAN - Exhaust



Asset: EF2

AREA:119 FIRE RISER

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-180	GB-180
Serial Num	-	25432292
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREENGREEN
Frame	-	NL
Horsepower	1	1
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.5
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	2730	2653
Fan RPM	906	1225
Fan Rotation	-	CCW
Motor RPM	-	1225
System SetPt	-	7
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.50"	0.44"
Fan Inlet SP	-	-0.44"
Fan Discharge SP	-	ATM

Completed By: Zack Eismin on 11/26/2024