

Report By:

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



Report: PRELIM
Function: Test, Adjust, & Balance
Date: 08/07/2024

PROJECT
Maverik (Rocklin, CA)

Sunset Blvd & Lonetree Blvd

Rocklin, CA

Client

PARAMOUNT MECHANICAL
8525 23RD AVE
STE 108
SACRAMENTO, CA 95826

National TAB

Project: Maverik (Rocklin, CA)

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Project: Maverik (Rocklin, CA)

System/Unit: AHU/RTU



Asset: RTU-1

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	224014626L
Model Num	NA	YHC120F3RLA2900D1A1A
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	37.5X24
Num PreFilter 1	-	2/3
PreFilter Size 1	-	20X30X2/20X25X2

Test Data		
	Design	Actual
SF CFM	3600	3589
SF RPM	-	1115
RA CFM	-	2997
OA CFM	580	592
RL Voltage	-	206
RL Amperage	-	2.7
OA Damper Position	-	17%
Brake Horse Power	-	1.02

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	2.75
Motor Rpm	-	1615
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	7.3
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.41"
Fan Suction SP	-	-0.58"
Fan Discharge SP	-	0.17"
Total ESP	0.5	0.58"
Fan Total SP	-	0.75"

Drive Data	
	Actual
Motor Sheave Size	N/A
Motor Bore Size	N/A
Motor Sheave SetPt	N/A
Fan Sheave Size	N/A
Fan Sheave Bore	N/A
Belt CL Distance	N/A
Num of Belts	N/A
Belt Size	N/A

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Project: Maverik (Rocklin, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU-1/RETAIL

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	RETAIL	E	10X10	400	301	381	95.3
1-2	RETAIL	E	10X10	600	772	595	99.2
1-3	RETAIL	D	12X12	500	421	494	98.8
1-4	RETAIL	D	12X12	500	445	507	101.4
1-5	RETAIL	D	12X12	500	572	482	96.4
1-6	RETAIL	D	12X12	500	581	512	102.4
1-7	RETAIL	D	12X12	600	531	618	103.0
Total				3600	3623	3589	99.69%

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Project: Maverik (Rocklin, CA)
System/Unit: AHU/RTU



Asset: RTU-2

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	224014628L
Model Num	NA	YHC120F3RLA2900D1A1A
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	37.5X24
Num PreFilter 1	-	2/3
PreFilter Size 1	-	20X30X2/20X25X2

Test Data		
	Design	Actual
SF CFM	3600	3689
SF RPM	-	1127
RA CFM	-	3086
OA CFM	580	603
RL Voltage	-	205
RL Amperage	-	2.45
OA Damper Position	-	17%
Brake Horse Power	-	0.95

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	2.75
Motor Rpm	-	1615
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	7.3
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.45"
Fan Suction SP	-	-0.63"
Fan Discharge SP	-	0.21"
Total ESP	0.5	0.66"
Fan Total SP	-	0.84"

Drive Data	
	Actual
Motor Sheave Size	N/A
Motor Bore Size	N/A
Motor Sheave SetPt	N/A
Fan Sheave Size	N/A
Fan Sheave Bore	N/A
Belt CL Distance	N/A
Num of Belts	N/A
Belt Size	N/A

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Project: Maverik (Rocklin, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU-2/RETAIL

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1	RETAIL	E	10X10	400	457	407	101.8
2-2	RETAIL	E	10X10	600	701	589	98.2
2-3	RETAIL	D	12X12	500	498	510	102.0
2-4	RETAIL	D	12X12	500	603	532	106.4
2-5	RETAIL	D	12X12	500	571	521	104.2
2-6	RETAIL	D	12X12	500	421	519	103.8
2-7	RETAIL	D	12X12	600	631	611	101.8
Total				3600	3882	3689	102.47%

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Project: Maverik (Rocklin, CA)
System/Unit: AHU/RTU



Asset: RTU-3

AREA:102

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	224011264L
Model Num	NA	YHC074F3RLA2900D1A1A
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	37.5X24
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Test Data		
	Design	Actual
SF CFM	2400	2456
SF RPM	-	775
RA CFM	-	2250
OA CFM	300	289
RL Voltage	-	206
RL Amperage	-	1.05
OA Damper Position	-	15%
Brake Horse Power	-	0.4

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	2.75
Motor Rpm	-	1615
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	7.3
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.17"
Fan Suction SP	-	-0.27"
Fan Discharge SP	-	0.16"
Total ESP	0.5	0.33"
Fan Total SP	-	0.43"

Drive Data	
	Actual
Motor Sheave Size	N/A
Motor Bore Size	N/A
Motor Sheave SetPt	N/A
Fan Sheave Size	N/A
Fan Sheave Bore	N/A
Belt CL Distance	N/A
Num of Belts	N/A
Belt Size	N/A

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Project: Maverik (Rocklin, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU-3/102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1	107	M	12X12	430	322	409	95.1
3-2	107	M	12X12	430	437	421	97.9
3-3	MENS RR	C	10X10	320	324	331	103.4
3-4	WOMENS RR	C	10X10	320	350	341	106.6
3-5	HALL	C	10X10	400	162	422	105.5
3-6	103	C	10X10	300	645	322	107.3
3-7	102	B	10X10	200	320	210	105.0
Total				2400	2560	2456	102.33%

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Project: Maverik (Rocklin, CA)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:MENS RR

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-090-VG-1-19-X
Serial Num	-	23626727
Type	CRE UPBLAST	CRE UPBLAST

Test Data		
	Design	Actual
CFM	420	427
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.25	0.29"

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	1/10
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.5
Service Factor	-	NL

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Project: Maverik (Rocklin, CA)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:WOMENS RR

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-090-VG-1-19-X
Serial Num	-	23626752
Type	CRE UPBLAST	CRE UPBLAST

Test Data		
	Design	Actual
CFM	420	415
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.25	0.27"

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	1/10
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.5
Service Factor	-	NL

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System/Unit: FAN - Exhaust



Asset: EF-3

AREA:

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-095-VG-1-19-X
Serial Num	-	23626756
Type	CRE UPBLAST	CRE UPBLAST

Test Data		
	Design	Actual
CFM	800	815
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.25	0.31"

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	1/6
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.3
Service Factor	-	NL

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