

Report By:

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



Report: TEST

Function: Test, Adjust, & Balance

Date: 02/16/2026

Completed By: National TAB

PROJECT

Marshalls (Cold Spring, KY)

5315 Alexandria Pike

Cold Spring, KY 41076

Client

Champion Commercial HVAC

2638 Tem Mile Rd.

Melbourne, KY 41059

National TAB

Project: Marshalls (Cold Spring, KY)

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Marshalls (Cold Spring, KY)

Project Issue Information

Issue Name : RTU-6 Alarm
Description : RTU-6 not running, displaying alarm " HS1 shutdown due to limit switch ". Cycled power several times in attempt to clear alarm unsuccessfully.
Created By : National TAB **Assigned To :** National TAB - Jordan Best
Status : Open
Priority : High **Asset Tag :**
Originated Date : 03/16/2026 - Jordan Best - National TAB



Marshalls (Cold Spring, KY)

Project Issue Information

Issue Name : RTU-7 Alarm
Description : RTU 7 is displaying “economizer source unavailable” alarms. Unable to set OA
Created By : National TAB **Assigned To :** National TAB - Jordan Best
Status : Open
Priority : High **Asset Tag :**
Originated Date : 03/16/2026 - Jordan Best - National TAB



Marshalls (Cold Spring, KY)

Project Issue Information

Issue Name : RTU-8 Alarms
Description : RTU-8 not running, displaying " economizer communication failure " and " outputs disabled due to low input" alarms.
Created By : National TAB **Assigned To :** National TAB - Jordan Best
Status : Open
Priority : High **Asset Tag :**
Originated Date : 03/16/2026 - Jordan Best - National TAB

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Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-1

AREA:SALES 2

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2M5753689
Model Num	NA	KJ150N24R2DEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X24"X2"

Test Data		
	Design	Actual
SF CFM	5000	4891
RA CFM	240	3602
OA CFM	1250	1289
RL Voltage	208	214/214/213
RL Amperage	-	12.7 VFD
OA Damper Position	-	19%

Motor Data		
	Design	Actual
Horsepower	-	5.0
Motor Rpm	-	1490
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	20.4

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.58"
Fan Suction SP	-	-0.83"
Fan Discharge SP	-	1.16"
Total ESP	1.0	1.74"
Fan Total SP	-	1.99"

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	1"
Motor Sheave SetPt	4 TURNS OUT
Fan Sheave Size	7"
Fan Sheave Bore	1"
Belt CL Distance	18"
Num of Belts	1
Belt Size	A54

Completed By: Aaron Cosby on 03/18/2026

Notes:
90% FAN SPEED

Written By: Aaron Cosby on 03/18/2026

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Project: Marshalls (Cold Spring, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-1/SALES 2

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	SALES 2	SR-1	20X10	800	789	789	98.6
1-2	SALES 2	SR-1	20X10	800	756	756	94.5
1-3	SALES 2	SR-1	20X10	800	809	809	101.1
1-4	SALES 2	SR-1	20X10	400	412	412	103.0
1-5	VESTIBULE 1	SD-1	10	300	286	286	95.3
1-6	VESTIBULE 1	SD-1	10	300	305	305	101.7
1-7	SALES 2	SR-1	20X10	800	757	757	94.6
1-8	SALES 2	SR-1	20X10	800	777	777	97.1
Total				5000	4891	4891	97.82%

Diffuser Ret/Exh (GRD)

RTU-1/SALES 2

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R1-1	SALES 2	R-2	36X18	2500	4.5	2437	2437	97.5
R1-2	SALES 2	R-2	36X18	2500	4.5	2389	2389	95.6
Total				5000		4826	4826	96.52%

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Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-2

AREA:SALES 2

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2D5657117
Model Num	NA	KJ120N24R2DEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X24"X2"

Motor Data		
	Design	Actual
Horsepower	-	3.0
Motor Rpm	-	1117
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	13.2

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	1"
Motor Sheave SetPt	3 TURNS OUT
Fan Sheave Size	7"
Fan Sheave Bore	1"
Belt CL Distance	18"
Num of Belts	1
Belt Size	A54

Test Data		
	Design	Actual
SF CFM	4000	4158
RA CFM	3000	3060
OA CFM	1000	1098
RL Voltage	208	212/213/211
RL Amperage	-	7.7
OA Damper Position	-	19%

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.41"
Fan Suction SP	-	-0.66"
Fan Discharge SP	-	0.71"
Total ESP	0.6	1.12"
Fan Total SP	-	1.37"

Completed By: Aaron Cosby on 03/18/2026

Notes:
. Fan Speed 90%

Written By: Jordan Best on 03/16/2026

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 Project: Marshalls (Cold Spring, KY)
AHU/RTU



Diffuser Ret/Exh (GRD)

RTU-2/SALES 2

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R2-1	SALES 2	R-2	36X14	2000	3.5	1891	1891	94.6
R2-2	SALES 2	R-2	36X14	2000	3.5	1962	1962	98.1
Total				4000		3853	3853	96.32%

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Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-3

AREA:SALES 2

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2F5129267
Model Num	NA	KJ120N24R2DEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X24"X2"

Motor Data		
	Design	Actual
Horsepower	-	3.0
Motor Rpm	-	1117
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	13.2

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	1"
Motor Sheave SetPt	1 TURN OUT
Fan Sheave Size	7"
Fan Sheave Bore	1"
Belt CL Distance	18"
Num of Belts	1
Belt Size	A54

Test Data		
	Design	Actual
SF CFM	4000	4083
RA CFM	3000	3040
OA CFM	1000	3040
RL Voltage	208	212/213/213
RL Amperage	-	9.8
OA Damper Position	-	18%

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.53"
Fan Suction SP	-	-0.88"
Fan Discharge SP	-	0.84"
Total ESP	0.6	1.37"
Fan Total SP	-	1.72"

Completed By: Aaron Cosby on 03/18/2026

Notes:
. Fan Speed 90%

Written By: Jordan Best on 03/16/2026

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 Project: Marshalls (Cold Spring, KY)
AHU/RTU



Diffuser Ret/Exh (GRD)

RTU-3/SALES 2

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R3-1	SALES 2	R-2	36X14	2000	3.5	2012	2012	100.6
R3-2	SALES 2	R-2	36X14	2000	3.5	2045	2045	102.3
Total				4000		4057	4057	101.43%

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Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-4

AREA:SALES 2

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2N5773259
Model Num	NA	KJ090N18R2DEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	30"X20"
OA Filter Size 1	-	1
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X24"X2"

Test Data		
	Design	Actual
SF CFM	3000	3111
RA CFM	2250	2348
OA CFM	750	763
RL Voltage	208	212/213/214
RL Amperage	-	5.7 VFD
OA Damper Position	-	22%

Motor Data		
	Design	Actual
Horsepower	-	3.0
Motor Rpm	-	947
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	13.2

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.18"
Fan Suction SP	-	-0.27"
Fan Discharge SP	-	0.55"
Total ESP	1.0	0.73"
Fan Total SP	-	0.82"

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	1"
Motor Sheave SetPt	4 TURNS OUT
Fan Sheave Size	7"
Fan Sheave Bore	1"
Belt CL Distance	19
Num of Belts	1
Belt Size	A54

Completed By: Aaron Cosby on 03/18/2026

Notes:
. Fan Speed 65%

Written By: Aaron Cosby on 03/18/2026

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 Project: Marshalls (Cold Spring, KY)
AHU/RTU



Diffuser Ret/Exh (GRD)

RTU-4/SALES 2

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R4-1	SALES 2	R-2	36X12	1500	3	1582	1582	105.5
R4-2	SALES 2	R-2	36X12	1500	3	1476	1476	98.4
Total				3000		3058	3058	101.93%

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Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-5

AREA:SALES 2

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2N5773258
Model Num	NA	KJ090N18R2DEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X24"X2"

Test Data		
	Design	Actual
SF CFM	3000	3197
RA CFM	2250	2408
OA CFM	750	789
RL Voltage	208	213/212/212
RL Amperage	-	5.5 VFD
OA Damper Position	-	22%

Motor Data		
	Design	Actual
Horsepower	-	3.0
Motor Rpm	-	947
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	13.2

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.25"
Fan Suction SP	-	-0.33"
Fan Discharge SP	-	0.47"
Total ESP	1.0	0.72"
Fan Total SP	-	0.80"

Drive Data	
	Actual
Motor Sheave Size	4.5"
Motor Bore Size	1"
Motor Sheave SetPt	4 TURNS OUT
Fan Sheave Size	7"
Fan Sheave Bore	1"
Belt CL Distance	19"
Num of Belts	1
Belt Size	A54

Completed By: Aaron Cosby on 03/18/2026

Notes:
. Fan Speed 65%

Written By: Aaron Cosby on 03/18/2026

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 Project: Marshalls (Cold Spring, KY)
AHU/RTU



Diffuser Ret/Exh (GRD)

RTU-5/SALES 2

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R5-1	SALES 2	R-2	36X12	1500	3	1455	1455	97.0
R5-2	SALES 2	R-2	36X12	1500	3	1479	1479	98.6
Total				3000		2934	2934	97.8%

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Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-6

AREA:DRESSING

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	
Model Num	NA	KT037N08R2DEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Horsepower	-	1.5
Motor Rpm	-	805
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	9

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

Test Data		
	Design	Actual
SF CFM	1200	
RA CFM	900	
OA CFM	300	
RL Voltage	208	
RL Amperage	-	
OA Damper Position	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.8	
Fan Total SP	-	

Notes:
Fan not operating 3/18/26

Written By: Aaron Cosby on 03/18/2026

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Project: Marshalls (Cold Spring, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-6/DRESSING

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
6-1	DRESSING ROOM ENTRANCE 16	SD-1	10	300			-
6-2	MEN'S ADA 20	SD-1	6	80			-
6-3	MEN'S D.R. 18	SD-1	8	150			-
6-4	WOMEN'S ADA 19	SD-1	6	80			-
6-5	WOMEN'S D.R. 17	SD-1	8	195			-
6-6	WOMEN'S D.R. 17	SD-1	8	200			-
6-7	WOMEN'S D.R. 17	SD-1	8	195			-
Total				1200	0	0	0%

Diffuser Ret/Exh (GRD)

RTU-6/DRESSING

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R6-1	WOMEN'S ADA 19	R-1	16	1200				-
Total				1200		0	0	0%

National TAB

Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-7

AREA:PROCESSING ROOM 11

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2D5673542
Model Num	NA	KT061N12P2BEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	16"X20"X2"

Motor Data		
	Design	Actual
Horsepower	-	1.5
Motor Rpm	-	1049
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	9

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	1"
Motor Sheave SetPt	5 TURNS OUT
Fan Sheave Size	7"
Fan Sheave Bore	1"
Belt CL Distance	1"
Num of Belts	1
Belt Size	A45

Test Data		
	Design	Actual
SF CFM	2000	2066
RA CFM	1500	2066
OA CFM	500	0
RL Voltage	208	214/215/213
RL Amperage	-	3.4 VFD
OA Damper Position	-	0%

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.15"
Fan Suction SP	-	-0.31"
Fan Discharge SP	-	0.40"
Total ESP	1.0	0.55"
Fan Total SP	-	0.71"

Notes:
 . Fan Speed 90%
 Economizer not functioning 3/18/26 visit

Written By: Aaron Cosby on 03/18/2026

National TAB

Project: Marshalls (Cold Spring, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-7/PROCESSING ROOM 11

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
7-1	PROCESSING ROOM 11	SR-2	14X8	200	189	189	94.5
7-2	PROCESSING ROOM 11	SR-2	14X8	200	202	202	101.0
7-3	PROCESSING ROOM 11	SR-2	14X8	200	204	204	102.0
7-4	PROCESSING ROOM 11	SR-2	14X8	200	201	201	100.5
7-5	PROCESSING ROOM 11	SR-2	14X8	200	216	216	108.0
7-6	PROCESSING ROOM 11	SR-2	14X8	200	212	212	106.0
7-7	PROCESSING ROOM 11	SR-2	14X8	200	218	218	109.0
7-8	PROCESSING ROOM 11	SR-2	14X8	200	216	216	108.0
7-9	PROCESSING ROOM 11	SR-2	14X8	200	200	200	100.0
7-10	PROCESSING ROOM 11	SR-2	14X8	200	208	208	104.0
Total				2000	2066	2066	103.3%

Diffuser Ret/Exh (GRD)

RTU-7/PROCESSING ROOM 11

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R7-1	PROCESSING ROOM 11	R-2	30X12	1000	2.5	989	989	98.9
R7-2	PROCESSING ROOM 11	R-2	30X12	1000	2.5	943	943	94.3
Total				2000		1932	1932	96.6%

National TAB

Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-8

AREA: LOUNGE 9

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	
Model Num	NA	KT037N08P2BEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Horsepower	-	1.5
Motor Rpm	-	710
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	9

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

Test Data		
	Design	Actual
SF CFM	1200	
RA CFM	900	
OA CFM	300	
RL Voltage	208	
RL Amperage	-	
OA Damper Position	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.6	
Fan Total SP	-	

Notes:
Fan not operating 3/18/26

Written By: Aaron Cosby on 03/18/2026

National TAB

Project: Marshalls (Cold Spring, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-8/LOUNGE 9

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
8-1	HALL @ LOUNGE 6	SD-1	8	150			-
8-2	LOUNGE 9	SD-1	10	300			-
8-3	LOUNGE	SD-1	6	100			-
8-4	WOMEN'S 8	SD-2	8	175			-
8-5	MEN'S 7	SD-2	8	175			-
8-6	LOUNGE 9	SD-1	10	300			-
Total				1200	0	0	0%

Diffuser Ret/Exh (GRD)

RTU-8/LOUNGE 9

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R8-1	HALL @ LOUNGE 6	R-1	12	600				-
R8-2	LOUNGE 9	R-1	12	600				-
Total				1200		0	0	0%

National TAB

Project: Marshalls (Cold Spring, KY)
System/Unit: AHU/RTU



Asset: RTU-9

AREA:MGR. 3

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2D5673540
Model Num	NA	KT037N08P2BEHCA1R1
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X20"X2"

Motor Data		
	Design	Actual
Horsepower	-	1.5
Motor Rpm	-	710
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	9

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	1"
Motor Sheave SetPt	5 TURNS OUT
Fan Sheave Size	6.5"
Fan Sheave Bore	1"
Belt CL Distance	16"
Num of Belts	1
Belt Size	AX45

Test Data		
	Design	Actual
SF CFM	1000	1024
RA CFM	700	710
OA CFM	300	314
RL Voltage	208	209/211/210
RL Amperage	-	2.6 VFD
OA Damper Position	-	18%

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.01"
Fan Suction SP	-	-0.07"
Fan Discharge SP	-	0.19"
Total ESP	0.6	0.20"
Fan Total SP	-	0.26"

Completed By: Aaron Cosby on 03/18/2026

Notes:
. Fan Speed 50%

Written By: Aaron Cosby on 03/18/2026

National TAB

Project: Marshalls (Cold Spring, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-9/MGR. 3

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
9-1	ASST. MGR. 15	SD-1	8	125	188	118	94.4
9-2	ASST. MGR. 15	SD-1	8	125	182	130	104.0
9-3	MGR. 3	SD-1	8	225	175	210	93.3
9-4	CASH 4	SD-1	8	175	169	189	108.0
9-5	L.P. 5	SD-1	8	175	229	191	109.1
9-6	HALL @ CASH 14	SD-1	6	100	88	105	105.0
9-7	HALL @ MGR. 13	SD-1	6	75	101	81	108.0
Total				1000	1132	1024	102.4%

Diffuser Ret/Exh (GRD)

RTU-9/MGR. 3

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R9-1	HALL @ MGR. 13	R-1	6	75	1	68	68	90.7
R9-2	HALL @ CASH 14	R-1	6	75	1	72	72	96.0
R9-3	CASH 4	R-1	8	175	1	186	186	106.3
R9-4	L.P. 5	R-1	8	175	1	179	179	102.3
R9-5	ASST. MGR.	R-1	8	250	1	244	244	97.6
R9-6	MGR. 3	R-1	8	225	1	231	231	102.7
Total				975		980	980	100.51%

National TAB

Project: Marshalls (Cold Spring, KY)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	NA	PENNBARRY
Model Num	NA	DX13QGP
Serial Num	-	L25RZ63821
Type	CENTRIFUGAL	DOWNBLAST

Test Data		
	Design	Actual
CFM	650	601
System SetPt	-	MARKED
RL Voltage	115	121.1
RL Amperage	7.2	1.4
Suction ESP	-	-0.41"
Discharge ESP	-	ATM
Total ESP	-	0.41"

Motor Data		
	Design	Actual
Motor MFG	-	McMillan
Horsepower	-	0.33
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	5.2

Completed By: Aaron Cosby on 03/18/2026

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Project: Marshalls (Cold Spring, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-1/RESTROOMS

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
E1-1	WOMEN'S 8	EG-1	8	250	1	289	228	91.2
E1-2	MEN'S 7	EG-1	8	250	1	304	226	90.4
E1-3	LOUNGE	EG-1	8	150	1	246	147	98.0
Total				650		839	601	92.46%

Completed By: Jordan Best on 03/16/2026

National TAB

Project: Marshalls (Cold Spring, KY)
System/Unit: FAN - Exhaust



Asset: EF-2

AREA: LOUNGE 9

Unit Data		
	Design	Actual
MFG	NA	PENNBARRY
Model Num	NA	DX10QGP
Type	CENTRIFUGAL	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	McMillan
Motor Rpm	-	1357
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	5.2

Test Data		
	Design	Actual
CFM	220	239
System SetPt	-	MARKED
RL Voltage	115	121.6
RL Amperage	4.4	1.2
Suction ESP	-	-0.67
Discharge ESP	-	ATM
Total ESP	-	0.67"

Completed By: Aaron Cosby on 03/18/2026

National TAB

Project: Marshalls (Cold Spring, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-2/LOUNGE 9

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
E2-1	LOUNGE 9	EG-1	8	220	1	442	239	108.6
Total				220		442	239	108.64%

National TAB

Project: Marshalls (Cold Spring, KY)
System/Unit: FAN - Exhaust



Asset: EF-3

AREA:DRESSING ROOMS

Unit Data		
	Design	Actual
MFG	NA	PENNBARRY
Model Num	NA	DX10QGP
Serial Num	-	L25RZ63823
Type	CENTRIFUGAL	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	McMillan
Horsepower	-	0.166
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	5.2

Test Data		
	Design	Actual
CFM	310	325
System SetPt	-	MARKED
RL Voltage	115	121.2
RL Amperage	4.4	1.5
Suction ESP	-	-0.36"
Discharge ESP	-	ATM
Total ESP	-	0.36"
Brake Horse Power	-	0.04

Completed By: Aaron Cosby on 03/18/2026

National TAB
 Project: Marshalls (Cold Spring, KY)
FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-3/DRESSING ROOMS

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
E3-1	WOMEN'S D.R. 17	R-1	8	250	1	342	262	104.8
E3-2	MEN'S D.R. 18	R-1	6	60	1	118	63	105.0
Total				310		460	325	104.84%

Completed By: Jordan Best on 03/16/2026