



DEL - AIR

TAB Software, LLC

(302) 629-6565

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Sample TAB Report

Description Of The Project

Del-Air Job No.: 12 - 061

Architect: Architect Name, Inc.

Engineer: Engineer Name, Inc.

Contractor: Contractor Name, Inc.

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TAB Supervisor Signature: _____
FirstName LastName

Date: June 1, 2012

TAB Certification No.: 011-011

Test Project

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Project Notes & Deficiencies

Job Number: 12-061

Date: 6/1/2012

1. The pulley and belt were changed on RTU - 1
2. Outside air damper is leaking on RTU - 1
3. Unable to thoroughly balance the return outlets on RTU - 1 due to a lack of dampers.
4. Exhaust side of ERU - 1 is not performing as designed.

XYZ Company, Inc.



Air Handling Unit Test Data

Job Number: 12-061

Date: 6/1/2012

System: Roof Top Unit - 1

UNIT INFORMATION	
Unit Number	RTU - 1
Location	Roof
Area Served	Auditorium
Manufacturer	Trane
Model Number	GERE 24042
Serial Number	W10B02373

AIR MEASUREMENTS	DESIGN	ACTUAL
Total Fan CFM	9,000	9,590
Total Outlet CFM	8,998	9,045
Total Traverse CFM	8,998	9,590
Total Return Air CFM	8,998	9,590
Total Outside Air CFM	-	-
External Unit Static Pressure	1.08	1.14
Total Fan Static Pressure	-	1.39
Total Suction Static Pressure	-	-0.92
Total Discharge Static Pressure	-	+0.22
Fan RPM	803	845
Diff. Press. Set Point	-	-

MOTOR MEASUREMENTS	DESIGN	ACTUAL
Motor HP	7.50	7.36
Motor Voltage	460	480
Motor Phase	3	3
Motor Amperage #1	8.72	8.10
Motor Amperage #2	8.72	8.20
Motor Amperage #3	8.72	8.30
Motor Service Factor	1.15	1.15
Motor RPM	3,465	3,450
VFD Hz. Setting	-	-
Overload Protection	-	-

PULLEY & BELT DATA	
Motor Pulley	1VP-44 x 1-1/8"
Fan Pulley	BK-160 x 1-3/16"
Belt - Quantity/Size	BX-87
Center Distance	29"
% Sheave Adjusted Closed	20%

Notes: The motor pulley and belt were changed in order to achieve the required air flow.



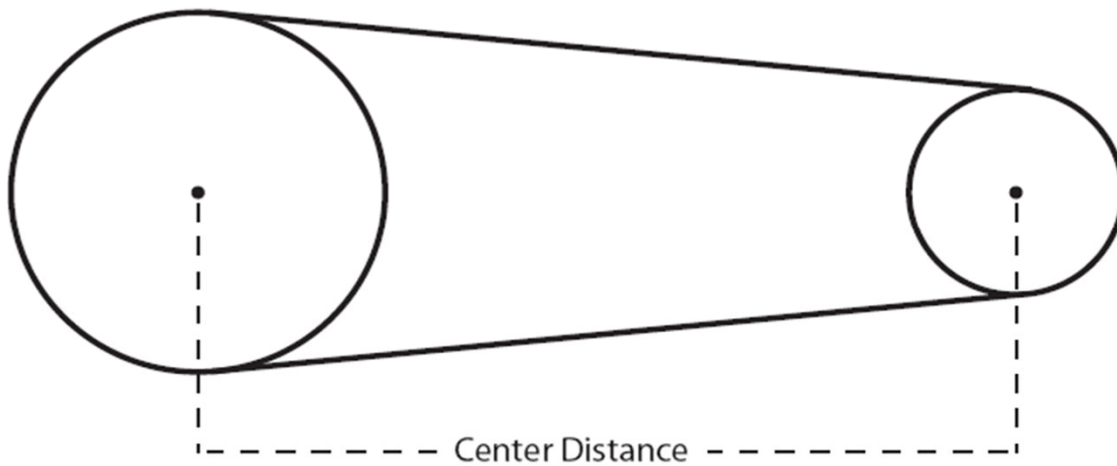
Pulley & Belt Change Data

Job Number: 12-061
System: RTU - 1

Date: 6/1/2012

Fan Pulley	BK-160
Pitch Diameter	15.40
Bore Size	1-3/16"
Bushing Size	n/a
Fan RPM	845

Motor Pulley	1VP-50
Pitch Diameter	3.70
Bore Size	1-1/8"
Bushing Size	n/a
Motor RPM	3465



Belt Size BX-90

Center Distance 28.50

Actual CFM	10300
Actual Fan RPM	845

Design CFM	9000
Required Fan RPM	738

Required Fan Pulley PD 17.62

Required Motor Pulley PD 3.23

Required Belt Pitch Length If Changing Motor Pulley 87.55

Required Belt Pitch Length If Changing Fan Pulley 92.18

Notes:

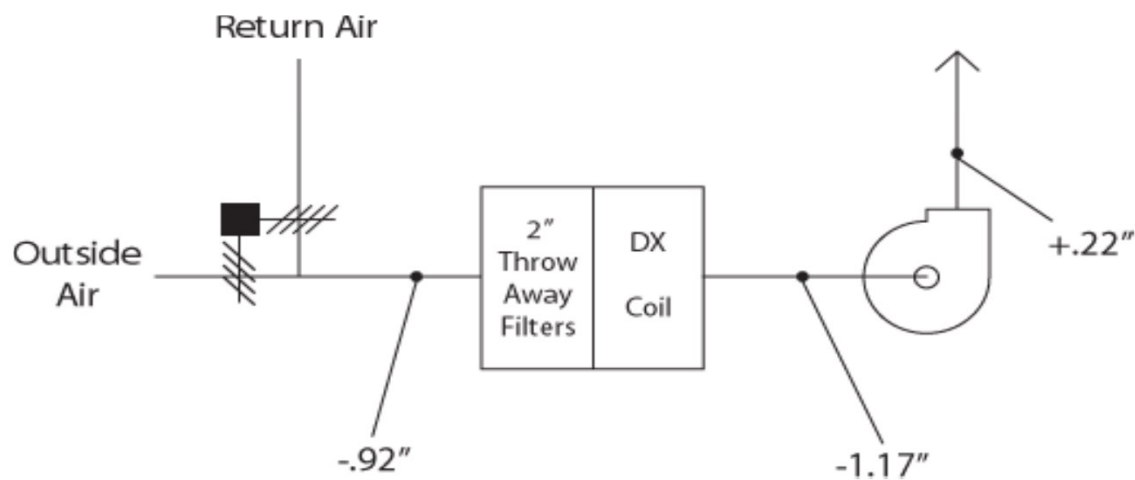
The motor pulley was changed to a 1VP-44 x 1-1/8
The belt was changed to a BX-87



Static Pressure Profile

Job Number: 12-061
System: RTU - 1

Date: 6/1/2010



Notes: Outside air damper is closed because there is an Energy Recovery Unit that provides fresh air to the Auditorium.

System: RTU - 1 Supply Air

Traverse/Outlet Number	Design CFM	Actual CFM
TS - 1	7598	8200
Outlet # 24	175	170
Outlet # 25	175	180
Outlet # 26	175	180
Outlet # 27	175	180
Outlet # 51	175	170
Outlet # 52	175	180
Outlet # 53	175	180
Outlet # 54	175	180
Totals	8998	9620

Notes:

Job Number: 12-061
System: RTU - 1 Supply Air
Trav. Number: TS - 1

Traveler Location		Ceiling of the Projection Booth			
Outlets Served		Outlets 1 thru 54			
Duct Size		Design		Actual	
Width	50	FPM	CFM	FPM	CFM
Height	18	1216	7598	1312	8200
Area	6.25	Static Pressure		+ 0.10	

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XYZ Company, Inc.



Diffuser And Grille Test Data

Job Number: 12-061

Date: 6/1/2012

System: RTU - 1 Supply Air

Room	Number	Size	Type	Ak	Design		Actual	
					FPM	CFM	FPM	CFM
Auditorium	1	4' x 3 slot - 10"O	LD			140		135
Auditorium	2	4' x 3 slot - 10"O	LD			140		140
Auditorium	3	4' x 3 slot - 10"O	LD			140		145
Auditorium	4	4' x 3 slot - 10"O	LD			140		140
Auditorium	5	4' x 3 slot - 10"O	LD			140		150
Auditorium	6	4' x 3 slot - 10"O	LD			140		150
Auditorium	7	4' x 3 slot - 10"O	LD			140		150
Auditorium	8	4' x 3 slot - 10"O	LD			140		140
Auditorium	9	4' x 3 slot - 10"O	LD			140		140
Auditorium	10	4' x 3 slot - 10"O	LD			140		140
Auditorium	11	4' x 3 slot - 10"O	LD			140		150
Auditorium	12	4' x 3 slot - 10"O	LD			140		150
Auditorium	13	4' x 3 slot - 10"O	LD			140		145
Auditorium	14	4' x 3 slot - 10"O	LD			140		135
Auditorium	15	4' x 3 slot - 10"O	LD			140		130
Auditorium	16	16"O	CD			333		310
Auditorium	17	4' x 3 slot - 10"O	LD			140		130
Auditorium	18	4' x 3 slot - 10"O	LD			140		140
Auditorium	19	16"O	CD			333		325
Auditorium	20	4' x 3 slot - 10"O	LD			140		135
Auditorium	21	4' x 3 slot - 10"O	LD			140		145
Auditorium	22	4' x 3 slot - 10"O	LD			140		145
Auditorium	23	16"O	CD			333		340
Auditorium	24	12x12	CD			175		170
Auditorium	25	12x12	CD			175		180
Auditorium	26	12x12	CD			175		180
Auditorium	27	12x12	CD			175		180
Auditorium	28	4' x 3 slot - 10"O	LD			140		135
Auditorium	29	4' x 3 slot - 10"O	LD			140		140
Auditorium	30	4' x 3 slot - 10"O	LD			140		145
Auditorium	31	4' x 3 slot - 10"O	LD			140		135
Auditorium	32	4' x 3 slot - 10"O	LD			140		150
Auditorium	33	4' x 3 slot - 10"O	LD			140		150
Auditorium	34	4' x 3 slot - 10"O	LD			140		150
Auditorium	35	4' x 3 slot - 10"O	LD			140		145
Auditorium	36	4' x 3 slot - 10"O	LD			140		145
Auditorium	37	4' x 3 slot - 10"O	LD			140		140
Auditorium	38	4' x 3 slot - 10"O	LD			140		150
Auditorium	39	4' x 3 slot - 10"O	LD			140		150
Auditorium	40	4' x 3 slot - 10"O	LD			140		150
Auditorium	41	4' x 3 slot - 10"O	LD			140		135



Auditorium	42	4' x 3 slot - 10"O	LD			140		130
Auditorium	43	16"O	CD			333		320
Auditorium	44	4' x 3 slot - 10"O	LD			140		130
Auditorium	45	4' x 3 slot - 10"O	LD			140		140
Auditorium	46	16"O	CD			333		330
Auditorium	47	4' x 3 slot - 10"O	LD			140		140
Auditorium	48	4' x 3 slot - 10"O	LD			140		145
Auditorium	49	4' x 3 slot - 10"O	LD			140		145
Auditorium	50	16"O	CD			333		340
Auditorium	51	12x12	CD			175		170
Auditorium	52	12x12	CD			175		180
Auditorium	53	12x12	CD			175		180
Auditorium	54	12x12	CD			175		180
						8998		9070

Notes:

Job Number: 12-061
System: RTU - 1 Return Air
Trav. Number: TR - 1

Traverse Location		Ceiling of Room 2121			
Outlets Served		Outlets 1, 3 thru 5 and 9			
Duct Size		Design		Actual	
Width	36	FPM	CFM	FPM	CFM
Height	16	1125	4500	1221	4884
Area	4.00	Static Pressure		-0.49	

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Job Number: 12-061
System: RTU - 1 Return Air
Trav. Number: TR - 2

Traveler Location		Ceiling of Room 2126			
Outlets Served		Outlets 2, 6 thru 8 and 10			
Duct Size		Design		Actual	
Width	36	FPM	CFM	FPM	CFM
Height	16	1125	4500	1098	4392
Area	4.00	Static Pressure		-0.42	

[illegible]

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Job Number: 12-061
System: RTU - 1 Return Air

[illegible]

****There is only one volume damper that serves all three of these outlets. They do not have individual dampers.**

XYZ Company, Inc.



Air Handling Unit Test Data

Job Number: 12-061

Date: 6/1/2012

System: Roof Top Unit - 2

UNIT INFORMATION	
Unit Number	RTU - 2
Location	Roof
Area Served	Auditorium
Manufacturer	Trane
Model Number	GERE 24042
Serial Number	W10B02373

AIR MEASUREMENTS	DESIGN	ACTUAL
Total Fan CFM	9,000	9,590
Total Outlet CFM	8,998	9,045
Total Traverse CFM	8,998	9,590
Total Return Air CFM	8,998	9,590
Total Outside Air CFM	-	-
External Unit Static Pressure	1.08	1.14
Total Fan Static Pressure	-	1.39
Total Suction Static Pressure	-	-0.92
Total Discharge Static Pressure	-	+0.22
Fan RPM	803	845
Diff. Press. Set Point	-	-

MOTOR MEASUREMENTS	DESIGN	ACTUAL
Motor HP	7.50	7.36
Motor Voltage	460	480
Motor Phase	3	3
Motor Amperage #1	8.72	8.10
Motor Amperage #2	8.72	8.20
Motor Amperage #3	8.72	8.30
Motor Service Factor	1.15	1.15
Motor RPM	3,465	3,450
VFD Hz. Setting	-	-
Overload Protection	-	-

PULLEY & BELT DATA	
Motor Pulley	1VP-44 x 1-1/8"
Fan Pulley	BK-160 x 1-3/16"
Belt - Quantity/Size	BX-87
Center Distance	29"
% Sheave Adjusted Closed	20%

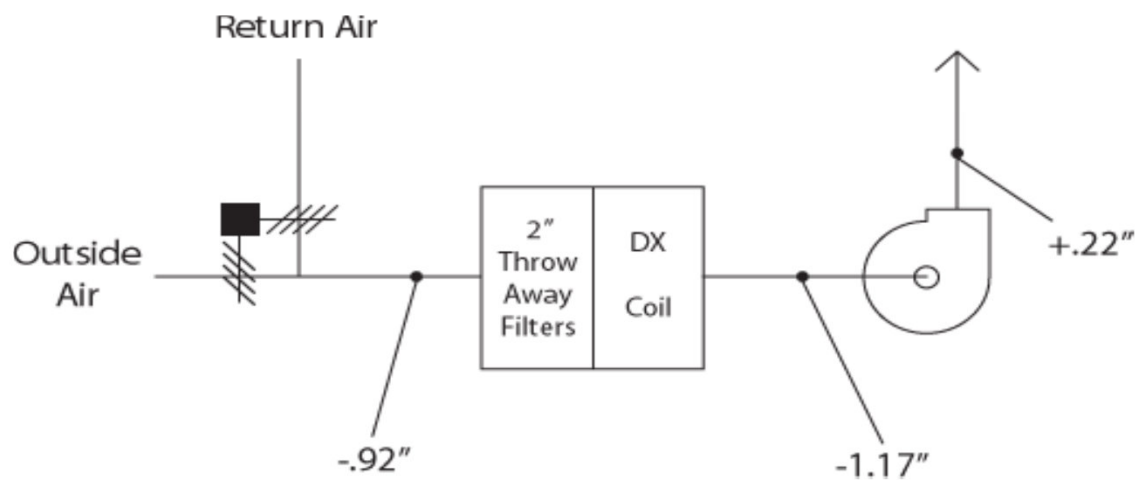
Notes: The motor pulley and belt were changed in order to achieve the required air flow.



Static Pressure Profile

Job Number: 12-061
System: RTU - 2

Date: 6/1/2010



Notes: Outside air damper is closed because there is an Energy Recovery Unit that provides fresh air to the Auditorium.

Job Number: 12-061
System: RTU - 2 Supply Air

Traverse/Outlet Number	Design CFM	Actual CFM
TS - 1	7598	8200
Outlet # 24	175	170
Outlet # 25	175	180
Outlet # 26	175	180
Outlet # 27	175	180
Outlet # 51	175	170
Outlet # 52	175	180
Outlet # 53	175	180
Outlet # 54	175	180
Totals	8998	9620

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Job Number: 12-061
System: RTU - 2 Supply Air
Trav. Number: TS - 1

Traverse Location		Ceiling of the Projection Booth			
Outlets Served		Outlets 1 thru 54			
Duct Size		Design		Actual	
Width	50	FPM	CFM	FPM	CFM
Height	18	1216	7598	1312	8200
Area	6.25	Static Pressure		+ 0.10	

[illegible]

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XYZ Company, Inc.



Diffuser And Grille Test Data

Job Number: 12-061

Date: 6/1/2012

System: RTU - 2 Supply Air

Room	Number	Size	Type	Ak	Design		Actual	
					FPM	CFM	FPM	CFM
Auditorium	1	4' x 3 slot - 10"O	LD			140		135
Auditorium	2	4' x 3 slot - 10"O	LD			140		140
Auditorium	3	4' x 3 slot - 10"O	LD			140		145
Auditorium	4	4' x 3 slot - 10"O	LD			140		140
Auditorium	5	4' x 3 slot - 10"O	LD			140		150
Auditorium	6	4' x 3 slot - 10"O	LD			140		150
Auditorium	7	4' x 3 slot - 10"O	LD			140		150
Auditorium	8	4' x 3 slot - 10"O	LD			140		140
Auditorium	9	4' x 3 slot - 10"O	LD			140		140
Auditorium	10	4' x 3 slot - 10"O	LD			140		140
Auditorium	11	4' x 3 slot - 10"O	LD			140		150
Auditorium	12	4' x 3 slot - 10"O	LD			140		150
Auditorium	13	4' x 3 slot - 10"O	LD			140		145
Auditorium	14	4' x 3 slot - 10"O	LD			140		135
Auditorium	15	4' x 3 slot - 10"O	LD			140		130
Auditorium	16	16"O	CD			333		310
Auditorium	17	4' x 3 slot - 10"O	LD			140		130
Auditorium	18	4' x 3 slot - 10"O	LD			140		140
Auditorium	19	16"O	CD			333		325
Auditorium	20	4' x 3 slot - 10"O	LD			140		135
Auditorium	21	4' x 3 slot - 10"O	LD			140		145
Auditorium	22	4' x 3 slot - 10"O	LD			140		145
Auditorium	23	16"O	CD			333		340
Auditorium	24	12x12	CD			175		170
Auditorium	25	12x12	CD			175		180
Auditorium	26	12x12	CD			175		180
Auditorium	27	12x12	CD			175		180
Auditorium	28	4' x 3 slot - 10"O	LD			140		135
Auditorium	29	4' x 3 slot - 10"O	LD			140		140
Auditorium	30	4' x 3 slot - 10"O	LD			140		145
Auditorium	31	4' x 3 slot - 10"O	LD			140		135
Auditorium	32	4' x 3 slot - 10"O	LD			140		150
Auditorium	33	4' x 3 slot - 10"O	LD			140		150
Auditorium	34	4' x 3 slot - 10"O	LD			140		150
Auditorium	35	4' x 3 slot - 10"O	LD			140		145
Auditorium	36	4' x 3 slot - 10"O	LD			140		145
Auditorium	37	4' x 3 slot - 10"O	LD			140		140
Auditorium	38	4' x 3 slot - 10"O	LD			140		150
Auditorium	39	4' x 3 slot - 10"O	LD			140		150
Auditorium	40	4' x 3 slot - 10"O	LD			140		150
Auditorium	41	4' x 3 slot - 10"O	LD			140		135



Auditorium	42	4' x 3 slot - 10"O	LD			140		130
Auditorium	43	16"O	CD			333		320
Auditorium	44	4' x 3 slot - 10"O	LD			140		130
Auditorium	45	4' x 3 slot - 10"O	LD			140		140
Auditorium	46	16"O	CD			333		330
Auditorium	47	4' x 3 slot - 10"O	LD			140		140
Auditorium	48	4' x 3 slot - 10"O	LD			140		145
Auditorium	49	4' x 3 slot - 10"O	LD			140		145
Auditorium	50	16"O	CD			333		340
Auditorium	51	12x12	CD			175		170
Auditorium	52	12x12	CD			175		180
Auditorium	53	12x12	CD			175		180
Auditorium	54	12x12	CD			175		180
						8998		9070

Notes:

Job Number: 12-061
System: RTU - 2 Return Air

[illegible]

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Job Number: 12-061
System: RTU - 2 Return Air
Trav. Number: TR - 1

Traverse Location		Ceiling of Room 2121			
Outlets Served		Outlets 1, 3 thru 5 and 9			
Duct Size		Design		Actual	
Width	36	FPM	CFM	FPM	CFM
Height	16	1125	4500	1221	4884
Area	4.00	Static Pressure		-0.49	

[illegible]

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Job Number: 12-061
System: RTU - 2 Return Air
Trav. Number: TR - 2

Traverse Location		Ceiling of Room 2126			
Outlets Served		Outlets 2, 6 thru 8 and 10			
Duct Size		Design		Actual	
Width	36	FPM	CFM	FPM	CFM
Height	16	1125	4500	1098	4392
Area	4.00	Static Pressure		-0.42	

[illegible]

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Job Number: 12-061
System: RTU - 2 Return Air

[illegible]

*There is only one volume damper that serves all three of these outlets. They do not have individual dampers.

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XYZ Company, Inc.



Air Handling Unit Test Data

Job Number: 12-061

Date: 6/1/2012

System: Roof Top Unit - 3

UNIT INFORMATION	
Unit Number	RTU - 3
Location	Roof
Area Served	Auditorium
Manufacturer	Trane
Model Number	GERE 24042
Serial Number	W10B02373

AIR MEASUREMENTS	DESIGN	ACTUAL
Total Fan CFM	9,000	9,590
Total Outlet CFM	8,998	9,045
Total Traverse CFM	8,998	9,590
Total Return Air CFM	8,998	9,590
Total Outside Air CFM	-	-
External Unit Static Pressure	1.08	1.14
Total Fan Static Pressure	-	1.39
Total Suction Static Pressure	-	-0.92
Total Discharge Static Pressure	-	+0.22
Fan RPM	803	845
Diff. Press. Set Point	-	-

MOTOR MEASUREMENTS	DESIGN	ACTUAL
Motor HP	7.50	7.36
Motor Voltage	460	480
Motor Phase	3	3
Motor Amperage #1	8.72	8.10
Motor Amperage #2	8.72	8.20
Motor Amperage #3	8.72	8.30
Motor Service Factor	1.15	1.15
Motor RPM	3,465	3,450
VFD Hz. Setting	-	-
Overload Protection	-	-

PULLEY & BELT DATA	
Motor Pulley	1VP-44 x 1-1/8"
Fan Pulley	BK-160 x 1-3/16"
Belt - Quantity/Size	BX-87
Center Distance	29"
% Sheave Adjusted Closed	20%

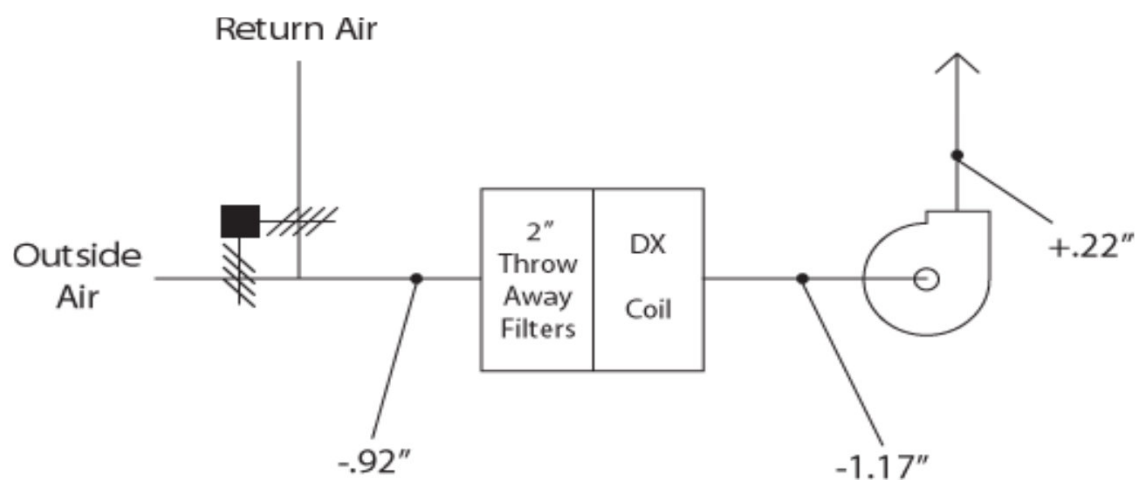
Notes: The motor pulley and belt were changed in order to achieve the required air flow.



Static Pressure Profile

Job Number: 12-061
System: RTU - 3

Date: 6/1/2010



Notes: Outside air damper is closed because there is an Energy Recovery Unit that provides fresh air to the Auditorium.

Job Number: 12-061
System: RTU - 3 Supply Air

Traverse/Outlet Number	Design CFM	Actual CFM
TS - 1	7598	8200
Outlet # 24	175	170
Outlet # 25	175	180
Outlet # 26	175	180
Outlet # 27	175	180
Outlet # 51	175	170
Outlet # 52	175	180
Outlet # 53	175	180
Outlet # 54	175	180
Totals	8998	9620

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Job Number: 12-061
System: RTU - 3 Supply Air
Trav. Number: TS - 1

Traveler Location		Ceiling of the Projection Booth			
Outlets Served		Outlets 1 thru 54			
Duct Size		Design		Actual	
Width	50	FPM	CFM	FPM	CFM
Height	18	1216	7598	1312	8200
Area	6.25	Static Pressure		+ 0.10	

[illegible]

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XYZ Company, Inc.



Diffuser And Grille Test Data

Job Number: 12-061

Date: 6/1/2012

System: RTU - 3 Supply Air

Room	Number	Size	Type	Ak	Design		Actual	
					FPM	CFM	FPM	CFM
Auditorium	1	4' x 3 slot - 10"O	LD			140		135
Auditorium	2	4' x 3 slot - 10"O	LD			140		140
Auditorium	3	4' x 3 slot - 10"O	LD			140		145
Auditorium	4	4' x 3 slot - 10"O	LD			140		140
Auditorium	5	4' x 3 slot - 10"O	LD			140		150
Auditorium	6	4' x 3 slot - 10"O	LD			140		150
Auditorium	7	4' x 3 slot - 10"O	LD			140		150
Auditorium	8	4' x 3 slot - 10"O	LD			140		140
Auditorium	9	4' x 3 slot - 10"O	LD			140		140
Auditorium	10	4' x 3 slot - 10"O	LD			140		140
Auditorium	11	4' x 3 slot - 10"O	LD			140		150
Auditorium	12	4' x 3 slot - 10"O	LD			140		150
Auditorium	13	4' x 3 slot - 10"O	LD			140		145
Auditorium	14	4' x 3 slot - 10"O	LD			140		135
Auditorium	15	4' x 3 slot - 10"O	LD			140		130
Auditorium	16	16"O	CD			333		310
Auditorium	17	4' x 3 slot - 10"O	LD			140		130
Auditorium	18	4' x 3 slot - 10"O	LD			140		140
Auditorium	19	16"O	CD			333		325
Auditorium	20	4' x 3 slot - 10"O	LD			140		135
Auditorium	21	4' x 3 slot - 10"O	LD			140		145
Auditorium	22	4' x 3 slot - 10"O	LD			140		145
Auditorium	23	16"O	CD			333		340
Auditorium	24	12x12	CD			175		170
Auditorium	25	12x12	CD			175		180
Auditorium	26	12x12	CD			175		180
Auditorium	27	12x12	CD			175		180
Auditorium	28	4' x 3 slot - 10"O	LD			140		135
Auditorium	29	4' x 3 slot - 10"O	LD			140		140
Auditorium	30	4' x 3 slot - 10"O	LD			140		145
Auditorium	31	4' x 3 slot - 10"O	LD			140		135
Auditorium	32	4' x 3 slot - 10"O	LD			140		150
Auditorium	33	4' x 3 slot - 10"O	LD			140		150
Auditorium	34	4' x 3 slot - 10"O	LD			140		150
Auditorium	35	4' x 3 slot - 10"O	LD			140		145
Auditorium	36	4' x 3 slot - 10"O	LD			140		145
Auditorium	37	4' x 3 slot - 10"O	LD			140		140
Auditorium	38	4' x 3 slot - 10"O	LD			140		150
Auditorium	39	4' x 3 slot - 10"O	LD			140		150
Auditorium	40	4' x 3 slot - 10"O	LD			140		150
Auditorium	41	4' x 3 slot - 10"O	LD			140		135



Auditorium	42	4' x 3 slot - 10"O	LD			140		130
Auditorium	43	16"O	CD			333		320
Auditorium	44	4' x 3 slot - 10"O	LD			140		130
Auditorium	45	4' x 3 slot - 10"O	LD			140		140
Auditorium	46	16"O	CD			333		330
Auditorium	47	4' x 3 slot - 10"O	LD			140		140
Auditorium	48	4' x 3 slot - 10"O	LD			140		145
Auditorium	49	4' x 3 slot - 10"O	LD			140		145
Auditorium	50	16"O	CD			333		340
Auditorium	51	12x12	CD			175		170
Auditorium	52	12x12	CD			175		180
Auditorium	53	12x12	CD			175		180
Auditorium	54	12x12	CD			175		180
						8998		9070

Notes:

System: RTU - 3 Return Air

Traverse/Outlet Number	Design CFM	Actual CFM
TR - 1	4500	4884
TR - 2	4500	4392
Totals	9000	9276

Notes: This unit has an outside air intake that is 100% closed, but it is not leak proof.

Job Number: 12-061
System: RTU - 3 Return Air
Trav. Number: TR - 1

Traverse Location		Ceiling of Room 2121			
Outlets Served		Outlets 1, 3 thru 5 and 9			
Duct Size		Design		Actual	
Width	36	FPM	CFM	FPM	CFM
Height	16	1125	4500	1221	4884
Area	4.00	Static Pressure		-0.49	

[illegible]

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Job Number: 12-061
System: RTU - 3 Return Air
Trav. Number: TR - 2

Traverse Location		Ceiling of Room 2126			
Outlets Served		Outlets 2, 6 thru 8 and 10			
Duct Size		Design		Actual	
Width	36	FPM	CFM	FPM	CFM
Height	16	1125	4500	1098	4392
Area	4.00	Static Pressure		-0.42	

[illegible]

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Job Number: 12-061
System: RTU - 3 Return Air

[illegible]

****There is only one volume damper that serves all three of these outlets. They do not have individual dampers.**

XYZ Company, Inc.



Energy Recovery Unit Test Data

Job Number: 12-061

Date: 6/1/2012

System: Energy Recovery Unit - 1

UNIT INFORMATION	Supply Fan	Exhaust Fan
Unit Number	ERU - 1	ERU - 1
Location	Roof	Roof
Area Served	Locker Rooms	Locker Rooms
Manufacturer	Greenheck	Greenheck
Model Number	ERT-52H-15	ERT-52H-15
Serial Number	12271938	12271938

AIR MEASUREMENTS	Design	Actual	Design	Actual
Total Fan CFM	3,550	3,235	3,550	2,641
Total Outlet CFM	3,300	3,235	3,300	2,485
Total Traverse CFM	-	-	-	-
Total Return Air CFM	-	-	3,300	2,641
Total Outside Air CFM	3,300	3,235	-	-
External Unit Static Pressure	1.00	0.84	-	-
Total Fan Static Pressure	2.737	2.65	.75	1.75
Total Suction Static Pressure	-	-0.23	-	-1.75
Total Discharge Static Pressure	-	+0.61	-	-
Fan RPM	1,909	1,540	1,529	1,510
Diff. Press. Set Point	-	-	-	-

MOTOR MEASUREMENTS	Design	Actual	Design	Actual
Motor HP	5.0	3.1	3.0	2.3
Motor Voltage	460	480	460	480
Motor Phase	3	3	3	3
Motor Amperage #1	6.60	4.00	4.10	3.00
Motor Amperage #2	6.60	3.90	4.10	2.90
Motor Amperage #3	6.60	3.90	4.10	2.90
Motor Service Factor	1.15	-	1.15	-
Motor RPM	1,750	-	1,760	-
VFD Hz. Setting	-	60.00	-	60.00
Overload Protection	-	-	-	-

PULLEY & BELT DATA		
Motor Pulley	1VP-66 x 1-1/8"	1VP-56 x 1-1/8"
Fan Pulley	BK-60 / QT-1-1/8"	AK-64 / QT-1-1/4"
Belt - Quantity/Size	B-40	AP-44
Center Distance	13-1/2"	14"
% Sheave Adjusted Closed	40%	100%

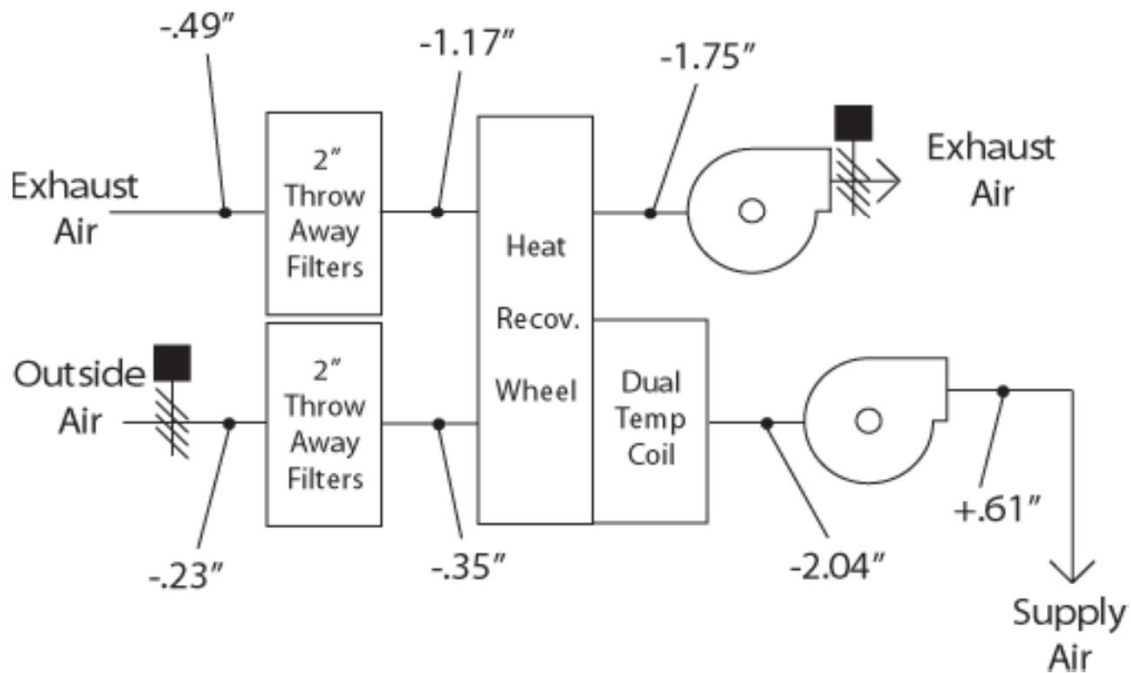
Notes:



Static Pressure Profile

Job Number: 12-061
System: ERU - 1

Date: 6/1/2012



Notes:

Job Number: 12-061
System: ERU - 1 Supply Air

[illegible]

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Job Number: 12-061
System: ERU - 1 Exhaust Air
Trav. Number: TE - 1

Traverse Location		Ceiling of Room 2180			
Outlets Served		Total Air - All Exhaust Outlets			
Duct Size		Design		Actual	
Width	20	FPM	CFM	FPM	CFM
Height	24	990	3300	793	2641
Area	3.33	Static Pressure		-0.36	

[illegible]

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Job Number: 12-061
System: ERU - 1 Exhaust Air

Room	Number	Size	Type	Ak	Design		Actual	
					FPM	CFM	FPM	CFM
1175	1	18 x 12	ER			450		360
1168	2	10 x 6	ER			75		65
1166	3	12 x 12	ER			200		165
1174	4	12 x 12	ER			225		170
1182	5	16 x 12	ER			400		285
1182	6	16 x 12	ER			400		305
1171	7	12 x 12	ER			250		180
1177	8	10 x 6	ER			75	*	55
1181	9	12 x 12	ER			200		155
1180	10	18 x 18	ER			525		375
1179	11	12 x 12	ER			200		150
1178	12	12 x 12	ER			300		220
					Totals	3300		2485

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XYZ Company, Inc.



Pump Test Data

Job Number: 12-061

Date: 6/1/2012

System: Chilled Water System

PUMP INFORMATION		
Pump Number	CHP - 1	CHP - 2
Location	Mechanical Room	Mechanical Room
System Served	Chilled Water	Chilled Water
Manufacturer	B&G	B&G
Model Number	1510 2BC	1510 2BC

PUMP MEASUREMENTS	Design	Actual	Design	Actual
Pump GPM	185.00	186.50	185.00	186.50
System Required GPM	185.10	186.50	185.10	186.50
Head Pressure - Ft. of Head	63.00	62.50	63.00	62.50
Discharge Pressure - PSI	-	45.00	-	46.00
Suction Pressure - PSI	-	18.00	-	19.00
Discharge Valve Setting	-	25% open	-	25% open
No Flow Pressure - Ft. of Head	-	77.00	-	76.50
Impeller Size	8.5"	8.5"	8.5"	8.5"
Diff. Press. Set Point	-	18 psi	-	18 psi

MOTOR MEASUREMENTS	Design	Actual	Design	Actual
Motor HP	5.0	4.9	5.0	5.0
Motor Voltage	460	480	460	480
Motor Phase	3	3	3	3
Motor Amperage #1	8.4	7.8	8.4	8.0
Motor Amperage #2	8.4	8.0	8.4	8.1
Motor Amperage #3	8.4	7.7	8.4	7.9
Motor Service Factor	1.15	-	1.15	-
Motor RPM	1,750	-	1,750	-
VFD Hz. Setting	-	60.00	-	60.00
Overload Protection	-	-	-	-

Notes: After balancing was complete, the discharge valve was opened completely to allow the VFD to control the flow, based upon the Diff. Press. Set Point.



Chiller Test Data

Job Number: 12-061

Date: 6/1/2012

System: Chilled Water System

CHILLER INFORMATION			
Chiller Number	CH - 1		CH - 2
Location	Concrete Pad		Concrete Pad
System Served	Chilled Water System		Chilled Water System
Manufacturer	Trane		Trane
Model Number	RTUD-100		RTUD-100
Serial Number	TDE354RS9880		TDE354RS9880

CHILLED WATER DATA	Design	Actual		Design	Actual
Chiller GPM	185.00	188.80		185.00	188.80
Pressure Drop - Ft. of Water	12.00	12.50		12.00	12.50
Entering Water Temperature	55.00	56.00		55.00	55.00
Leaving Water Temperature	45.00	47.00		45.00	44.00
Temperature Difference	10.00	9.00		10.00	11.00

CONDENSER WATER DATA	Design	Actual		Design	Actual
Condenser GPM	Air Cooled			Air Cooled	
Pressure Drop - Ft. of Water					
Entering Water Temperature					
Leaving Water Temperature					
Temperature Difference					

OUTSIDE AIR CONDITIONS	Design	Actual		Design	Actual
Dry-Bulb Temperature	95.00	88.00		95.00	90.00
Wet-Bulb Temperature	90.00	75.00		90.00	75.00

Notes:

