

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-A3

AREA: MEDIA CENTER A-18

Unit Data		
	Design	Actual
MFG	DAIKIN	DAIKIN
Serial Num	-	
Model Num	DPS007A	DPS007A
Configuration	VERTICAL	
Num PreFilter 1	-	6
PreFilter Size 1	-	18"X24"X2"

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	4.0
Motor Rpm	-	
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	15.1
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	3000	
SF RPM	2024	
RA CFM	2500	
OA CFM	500	
RL Voltage	-	
RL Amperage	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
Min OA Damper Position	-	
Brake Horse Power	1.65	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.5	
Fan Total SP	2.27	
Pre-Filter P.D.	0.05	
Cooling Coil P.D.	0.14	

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Project: Pleasant Grove Elementary School (Burlington, NC)

## AHU/RTU



Comfort. Under control.

### VAV - Single Duct

#### RTU-A3/MEDIA CENTER A-18

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
A3-VAV-1	PRICE	SDV5		12"	1650		545		1000		
A3-VAV-2	PRICE	SDV5		10"	800		264		800		

### Diffuser Ret/Exh (GRD)

#### RTU-A3/MEDIA CENTER A-18

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RA3-1	RC	48"X24"	2600					-
Total			2600		0	0	0	0%

#### FCU-A6/LOUNGE A-16

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RFA6-1	RA	22"X22"	750					-
Total			750		0	0	0	0%

### Diffuser Supply (GRD)

#### A3-VAV-1/MEDIA CENTER A-18

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A3-1-1	A-18	SC	10"X8"	275			-
A3-1-2	A-18	SC	10"X8"	275			-
A3-1-3	A-18	SC	10"X8"	275			-
A3-1-4	A-18	SC	10"X8"	275			-
A3-1-5	A-18	SC	10"X8"	275			-
A3-1-6	A-18	SC	10"X8"	275			-
Total				1650	0	0	0%

#### A3-VAV-2/COMPUTER LAB A-21

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A3-2-1	A-21	SC	10"X8"	200			-
A3-2-2	A-21	SC	10"X8"	200			-
A3-2-3	A-21	SC	10"X8"	200			-
A3-2-4	A-21	SC	10"X8"	200			-
Total				800	0	0	0%

#### FCU-A6/LOUNGE A-16

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
FA6-1	A-16	SB	12"	375			-
FA6-2	A-16	SB	12"	375			-
Total				750	0	0	0%

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Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU-A1

AREA:HALL

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	OAH008GVAM
Type	-	AHU
Configuration	HORIZONTAL	
Num PreFilter 1	-	2
PreFilter Size 1	-	24"X20"X2"
Num PreFilter 2	-	1
PreFilter Size 2	-	24"X12"X2"
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	3500	
SF RPM	2000	
RA CFM	2500	
OA CFM	1000	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	4.06	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	5.0
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	6.70
Service Factor	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	2.00"	
Fan Total SP	3.35"	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	AK74H
Motor Bore Size	-	
Fan Sheave Size	-	AK66H
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	1
Belt Size	-	AX35

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Project: Pleasant Grove Elementary School (Burlington, NC)

## AHU/RTU



Comfort. Under control.

### VAV-Fan Powered Box

#### AHU-A1/HALL

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
A1-VAV-1	PRICE	FDV5			10"	1000		300		1000		
A1-VAV-2	PRICE	FDV5			10"	1000		300		1000		
A1-VAV-3	PRICE	FDV5			10"	1000		300		1000		
A1-VAV-4	PRICE	FDV5			10"	1000		300		1000		

### Diffuser Ret/Exh (GRD)

#### AHU-A1/HALL

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RA1-1	RC	48"X24"	3500					-
Total			3500		0	0	0	0%

### Diffuser Supply (GRD)

#### A1-VAV-1/CLASSRM A-2

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A1-1-1	A-2	SA	24"X12"	500			-
A1-1-2	A-2	SA	24"X12"	500			-
Total				1000	0	0	0%

#### A1-VAV-2/CLASSM A-4

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A1-2-1	A-4	SA	24"X12"	500			-
A1-2-2	A-4	SA	24"X12"	500			-
Total				1000	0	0	0%

#### A1-VAV-3/CLASSRM A-6

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A1-3-1	A-6	SA	24"X12"	500			-
A1-3-2	A-6	SA	24"X12"	500			-
Total				1000	0	0	0%

#### A1-VAV-4/CLASSRM A-8

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A1-4-1	A-8	SA	24"X12"	500			-
A1-4-2	A-8	SA	24"X12"	500			-
Total				1000	0	0	0%

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Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU-A2

AREA:HALL

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	OAH008GVAM
Type	-	AHU
Configuration	HORIZONTAL	
Num PreFilter 1	-	2
PreFilter Size 1	-	24"X20"X2"
Num PreFilter 2	-	1
PreFilter Size 2	-	24"X12"X2"
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	5.0
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	6.70
Service Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	AK74H
Motor Bore Size	-	
Fan Sheave Size	-	AK66H
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	1
Belt Size	-	AX35

Test Data		
	Design	Actual
SF CFM	3500	
SF RPM	2000	
RA CFM	2500	
OA CFM	1000	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	4.06	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	2.00"	
Fan Total SP	3.35"	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	

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Project: Pleasant Grove Elementary School (Burlington, NC)

## AHU/RTU



Comfort. Under control.

### VAV-Fan Powered Box

#### AHU-A2/HALL

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
A2-VAV-1	PRICE	FDV5			10"	1000		300		1000		
A2-VAV-2	PRICE	FDV5			10"	1000		300		1000		
A2-VAV-3	PRICE	FDV5			10"	1000		300		1000		
A2-VAV-4	PRICE	FDV5			10"	1000		300		1000		

### Diffuser Ret/Exh (GRD)

#### AHU-A2/HALL

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RA2-1	RC	48"X24"	3500					-
Total			3500		0	0	0	0%

### Diffuser Supply (GRD)

#### A2-VAV-1/CLASSRM A-1

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A2-1-1	A-1	SA	24"X12"	500			-
A2-1-2	A-1	SA	24"X12"	500			-
Total				1000	0	0	0%

#### A2-VAV-2/CLASSRM A-3

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A2-2-1	A-3	SA	24"X12"	500			-
A2-2-2	A-3	SA	24"X12"	500			-
Total				1000	0	0	0%

#### A2-VAV-3/CLASSRM A-5

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A2-3-1	A-5	SA	24"X12"	500			-
A2-3-2	A-5	SA	24"X12"	500			-
Total				1000	0	0	0%

#### A2-VAV-4/CLASSRM A-7

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A2-4-1	A-7	SA	24"X12"	500			-
A2-4-2	A-7	SA	24"X12"	500			-
Total				1000	0	0	0%

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Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU-B1

AREA:CLASSRM 8

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	CAH011GVAM
Type	-	AHU
Configuration	HORIZONTAL	
Num PreFilter 1	-	4
PreFilter Size 1	-	24"X24"X2"
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	7.5
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	9.50
Service Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	BK75H
Motor Bore Size	-	
Fan Sheave Size	-	BK85H
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	1
Belt Size	-	BX41

Test Data		
	Design	Actual
SF CFM	5500	
SF RPM	1526	
RA CFM	4300	
OA CFM	1200	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	6.93	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	3.50"	
Fan Total SP	4.69"	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	

Notes:  
SHARED SA & RA DUCTS WITH AHU-B2

Written By: on

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Project: Pleasant Grove Elementary School (Burlington, NC)

## AHU/RTU



Comfort. Under control.

### VAV-Fan Powered Box

#### AHU-B1/CLASSRM 8

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
B1-VAV-1	PRICE	FDV5			10"	1000		300		1000		
B1-VAV-2	PRICE	FDV5			10"	1000		300		1000		
B1-VAV-3	PRICE	FDV5			10"	1000		300		1000		
B1-VAV-4	PRICE	FDV5			10"	1000		300		1000		
B1-VAV-5	PRICE	FDV5			10"	1000		300		1000		

### Diffuser Supply (GRD)

#### B1-VAV-1/CLASSRM 14

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B1-1-1	CLASSRM 14	SD	12"X8"	500			-
Total				500	0	0	0%

#### B1-VAV-2/CLASSRM 15

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B1-2-1	CLASSRM 15	SD	12"X8"	500			-
B1-2-2	CLASSRM 15	SD	12"X8"	500			-
Total				1000	0	0	0%

#### B1-VAV-3/CLASSRM 12

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B1-3-1	CLASSRM 12	SD	12"X8"	50			-
B1-3-2	CLASSRM 12	SD	12"X8"	500			-
Total				550	0	0	0%

#### B1-VAV-4/CLASSRM 9

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B1-4-1	CLASSRM 9	SD	12"X8"	500			-
B1-4-2	CLASSRM 9	SD	12"X8"	500			-
Total				1000	0	0	0%

#### B1-VAV-5/CLASSRM 8

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B1-5-1	CLASSRM 8	SD	12"X8"	500			-
B1-5-2	CLASSRM 8	SD	12"X8"	500			-
Total				1000	0	0	0%

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Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU-B2

AREA:CLASSRM 15

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	CAH011GVAM
Type	-	AHU
Configuration	HORIZONTAL	
Num PreFilter 1	-	4
PreFilter Size 1	-	24"X24"X2"
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	5500	
SF RPM	1526	
RA CFM	4300	
OA CFM	1200	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	6.93	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	7.5
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	9.50
Service Factor	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	3.50"	
Fan Total SP	4.69"	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	BK75H
Motor Bore Size	-	
Fan Sheave Size	-	BK85H
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	1
Belt Size	-	BX41

Notes:  
SHARED SA & RA DUCTS WITH AHU-B1

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Project: Pleasant Grove Elementary School (Burlington, NC)

## AHU/RTU



Comfort. Under control.

### VAV-Fan Powered Box

#### AHU-B2/CLASSRM 15

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
B2-VAV-1	PRICE	FDV5			10"	1000		300		1000		
B2-VAV-2	PRICE	FDV5			10"	1000		300		1000		
B2-VAV-3	PRICE	FDV5			10"	1000		300		1000		
B2-VAV-4	PRICE	FDV5			10"	1000		300		1000		
B2-VAV-5	PRICE	FDV5			10"	1000		300		1000		
B2-VAV-6	PRICE	FDV5			10"	1000		300		1000		
B2-VAV-7	PRICE	FDV5			10"	1000		300		1000		

### Diffuser Ret/Exh (GRD)

#### AHU-B2/CLASSRM 15

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RB12-1	RD	24"X16"	900					-
RB12-2	RD	24"X16"	900					-
RB12-3	RD	24"X16"	900					-
RB12-4	RD	24"X16"	900					-
RB12-5	RE	24"X12"	800					-
RB12-6	RE	24"X12"	900					-
RB12-7	RE	24"X12"	900					-
RB12-8	RE	24"X12"	900					-
RB12-9	RE	24"X12"	900					-
RB12-10	RE	24"X12"	900					-
RB12-11	RD	24"X16"	900					-
RB12-12	RE	24"X12"	900					-
Total			10700		0	0	0	0%

### Diffuser Supply (GRD)

#### B2-VAV-1/CLASSRM 18

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B2-1-1	CLASSRM 18	SD	12"X8"	500			-
B2-1-2	CLASSRM 18	SD	12"X8"	500			-
Total				1000	0	0	0%

#### B2-VAV-2/CLASSRM 19

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B2-2-1	CLASSRM 19	SD	12"X8"	500			-
B2-2-2	CLASSRM 19	SD	12"X8"	500			-
Total				1000	0	0	0%

**B2-VAV-3/CLASSRM 20**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
B2-3-1	CLASSRM 20	SD	12"X8"	500			-
B2-3-2	CLASSRM 20	SD	12"X8"	500			-
Total				1000	0	0	0%

**B2-VAV-4/CLASSRM 21**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
B2-4-1	CLASSRM 21	SD	12"X8"	500			-
B2-4-2	CLASSRM 21	SD	12"X8"	500			-
Total				1000	0	0	0%

**B2-VAV-5/CLASSRM 22**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
B2-5-1	CLASSRM 22	SD	12"X8"	500			-
B2-5-2	CLASSRM 22	SD	12"X8"	500			-
Total				1000	0	0	0%

**B2-VAV-6/CLASSRM 23**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
B2-6-1	CLASSRM 23	SD	12"X8"	500			-
B2-6-2	CLASSRM 23	SD	12"X8"	500			-
Total				1000	0	0	0%

**B2-VAV-7/CLASSRM 24**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
B2-7-1	CLASSRM 24	SD	12"X8"	500			-
B2-7-2	CLASSRM 24	SD	12"X8"	500			-
Total				1000	0	0	0%

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Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU-B3

AREA:GYM 7

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	DAT09044
Type	-	AHU
Configuration	HORIZONTAL	
Num PreFilter 1	-	2
PreFilter Size 1	-	16"X20"X2"
Num PreFilter 2	-	2
PreFilter Size 2	-	20"X20"X2"
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	2.0
Motor Rpm	-	
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	2.90
Service Factor	-	

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

Test Data		
	Design	Actual
SF CFM	3000	
SF RPM	-	
RA CFM	3000	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	0.75"	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### AHU-B3/GYM 7

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B3-1	GYM 7	SA	24"X12"	1000			-
B3-2	GYM 7	SA	24"X12"	1000			-
B3-3	GYM 7	SA	24"X12"	1000			-
Total				3000	0	0	0%

### Diffuser Ret/Exh (GRD)

#### AHU-B3/GYM 7

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RB3-1	RG	36"X30"	1500					-
RB3-2	RG	36"X30"	1500					-
Total			3000		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU-B4

AREA:STAGE 7A

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	CAH010GVAC
Type	-	AHU
Configuration	STACKED/VERTICAL	
Num PreFilter 1	-	2
PreFilter Size 1	-	24"X24"X2"
Num PreFilter 2	-	1
PreFilter Size 2	-	24"X12"X2"
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	4000	
SF RPM	1147	
RA CFM	3200	
OA CFM	800	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	2.83	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	5.0
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	6.70
Service Factor	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	1.50"	
Fan Total SP	2.64"	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	BK57H
Motor Bore Size	-	
Fan Sheave Size	-	BK85H
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	1
Belt Size	-	BX41

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### AHU-B4/STAGE 7A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
B4-1	GYM 7	SA	24"X12"	1000			-
B4-2	GYM 7	SA	24"X12"	1000			-
B4-3	GYM 7	SA	24"X12"	1000			-
B4-4	CAFETERIA 25	SF	26"X16"	1333			-
B4-5	CAFETERIA 25	SF	26"X16"	1333			-
B4-6	CAFETERIA 25	SF	26"X16"	1333			-
Total				6999	0	0	0%

### Diffuser Ret/Exh (GRD)

#### AHU-B4/STAGE 7A

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RB4-1	RG	36"X30"	1500					-
RB4-2	RI	22"X22"	1500					-
Total			3000		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: Energy Recovery Unit



Comfort. Under control.

Asset: ERV-A1

AREA:WC A-4A

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	ERVe-35-15H
Serial Num	-	
Num Exh-Filters 1	-	3
Exh-Filter Size 1	-	16"X25"X2"
Num OA-Filters 1	-	3
OA-Supply Size 1	-	16"X20"X2"

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	
Service Factor	-	

Exhaust Fan Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	
Brake Horse Power	-	

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	3000	
Exh-ERU RPM	1503	
Exh-ERU System SetPt	-	
RL Voltage	-	460
RL Amperage	-	
Brake Horse Power	-	

Exhaust Fan Performance Data		
	Design	Actual
Exh-ERU Filter Delta SP	-	
Exh-ERU Wheel Delta SP	-	
Exh-ERU Delta T	-	

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	3250	
OA-ERU RPM	1508	
Motor Frequency	-	
RL Voltage	-	460
RL Amperage	-	

OA Fan Performance Data		
	Design	Actual
OA-ERU Filter Delta SP	-	
OA-ERU Wheel Delta SP	-	
OA-ERU Delta T	-	

**OA Fan Drive Data**

	<b>Design</b>	<b>Actual</b>
<b>Motor Sheave Size</b>	-	
<b>Motor Bore Size</b>	-	
<b>Fan Sheave Size</b>	-	
<b>Fan Sheave Bore</b>	-	
<b>Belt CL Distance</b>	-	
<b>Num of Belts</b>	-	
<b>Belt Size</b>	-	

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## Energy Recovery Unit



Comfort. Under control.

### Diffuser Ret/Exh (GRD)

#### ERV-A1/WC A-4A

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
ERVA-1	EB	10"X10"	140					-
ERVA-2	EB	10"X10"	140					-
ERVA-3	EB	10"X10"	140					-
ERVA-4	EB	10"X10"	140					-
ERVA-5	EA	12"X12"	100					-
ERVA-6	EA	12"X12"	100					-
ERVA-7	EB	10"X10"	140					-
ERVA-8	EB	10"X10"	140					-
ERVA-9	EB	10"X10"	140					-
ERVA-10	EB	10"X10"	140					-
ERVA-11	EB	10"X10"	50					-
ERVA-12	EA	12"X12"	50					-
Total			1420		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: Energy Recovery Unit



Comfort. Under control.

Asset: ERV-B1

AREA:WC

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	ERVe-35-15H
Serial Num	-	
Num Exh-Filters 1	-	3
Exh-Filter Size 1	-	16"X25"X2"
Num OA-Filters 1	-	3
OA-Supply Size 1	-	16"X20"X2"

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	
Service Factor	-	

Exhaust Fan Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	
Brake Horse Power	-	

OA Fan Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	3000	
Exh-ERU RPM	1503	
Exh-ERU System SetPt	-	
RL Voltage	-	460
RL Amperage	-	
Brake Horse Power	-	

Exhaust Fan Performance Data		
	Design	Actual
Exh-ERU Filter Delta SP	-	
Exh-ERU Wheel Delta SP	-	
Exh-ERU Delta T	-	

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	3250	
OA-ERU RPM	1508	
Motor Frequency	-	
RL Voltage	-	460
RL Amperage	-	

OA Fan Performance Data		
	Design	Actual
OA-ERU Filter Delta SP	-	
OA-ERU Wheel Delta SP	-	
OA-ERU Delta T	-	

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## Energy Recovery Unit



Comfort. Under control.

### Diffuser Ret/Exh (GRD)

#### ERV-B1/WC

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
ERV-B-1	EA	12"X12"	250					-
ERV-B-2	EA	12"X12"	150					-
ERV-B-3	EB	10"X10"	50					-
ERV-B-4	EB	10"X10"	50					-
ERV-B-5	EB	10"X10"	50					-
ERV-B-6	EB	10"X10"	50					-
ERV-B-7	EB	10"X10"	50					-
ERV-B-8	EB	10"X10"	50					-
Total			700		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-B1

AREA:STORAGE 2A / TLT 7

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	SQ-70-VG
Serial Num	-	
Type	INLINE	

Test Data		
	Design	Actual
CFM	125	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.4	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.067	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	1.3
Service Factor	-	

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## FAN - Exhaust



Comfort. Under control.

### Diffuser Ret/Exh (GRD)

#### EF-B1/STORAGE 2A / TLT 7

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EFB1-1	EA	12"X12"	50					-
EFB1-2	EB	10"X10"	50					-
Total			100		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-C2

AREA:STOR 28 / TLT 30

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	SQ-70-VG
Serial Num	-	
Type	INLINE	

Test Data		
	Design	Actual
CFM	125	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.4	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.067	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	1.3
Service Factor	-	

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## FAN - Exhaust



Comfort. Under control.

### Diffuser Ret/Exh (GRD)

#### EF-C2/STOR 28 / TLT 30

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EFC2-1	EB	10"X10"	50					-
EFC2-2	EB	10"X10"	50					-
Total			100		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: FAN - Relief



Comfort. Under control.

Asset: RF-B1

AREA:AHU-B1 / AHU-B2

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	SQ-160-VG
Serial Num	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.0	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	3.2
Service Factor	-	

Test Data		
	Design	Actual
CFM	4000	
Relief Fan RPM	1579	
Motor Frequency	-	
RL Voltage	-	
RL Amperage	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: Fan Coil



Comfort. Under control.

Asset: FCU-B1

AREA:PRINCIPAL OFC 2

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Model Num	NA	FXSQ24TAVJU
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	-	
Phase	1	
Voltage (rated)	208	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	742	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	0.55"

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## Fan Coil



Comfort. Under control.

### Diffuser Supply (GRD)

#### FCU-B1/PRINCIPAL OFC 2

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
FB1-1	PRINCIPAL OFC 2	SB	12"	360			-
FB1-2	FCU-B4	SE	6"X4"	35			-
FB1-3	FCU-B5	SE	6"X4"	35			-
FB1-4	FCU-B7	SE	6"X4"	35			-
FB1-5	FCU-B6	DUCT	3"				
Total				465	0	0	0%

### Diffuser Ret/Exh (GRD)

#### FCU-B1/PRINCIPAL OFC 2

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RFB1-1	RA	22"X22"	160					-
Total			160		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: Fan Coil



Comfort. Under control.

Asset: FCU-B2

AREA:MAIN OFC 1

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Model Num	NA	FXSQ24TAVJU
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	-	
Phase	1	
Voltage (rated)	208	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	742	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	0.55"

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## Fan Coil



Comfort. Under control.

### Diffuser Supply (GRD)

#### FCU-B2/MAIN OFC 1

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
FB2-1	MAIN OFC 1	SB	12"	360			-
FB2-2	MAIN OFC 1	SB	12"	360			-
Total				720	0	0	0%

### Diffuser Ret/Exh (GRD)

#### FCU-B2/MAIN OFC 1

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RFB2-1	RA	22"X22"	670					-
Total			670		0	0	0	0%

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## System/Unit: Fan Coil



Comfort. Under control.

Asset: FCU-A6

AREA: LOUNGE A-16

Unit Data		
	Design	Actual
MFG	DAIKIN	DAIKIN
Model Num	FXSQ24TAVJU	FXSQ24TAVJU
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	-	
Phase	1	
Voltage (rated)	208	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	750	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	750	
OA CFM	0	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.55"	

# National TAB

Project: Pleasant Grove Elementary School (Burlington, NC)

## Fan Coil



Comfort. Under control.

### Diffuser Supply (GRD)

#### FCU-A6/LOUNGE A-16

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
FA6-1	A-16	SB	12"	375			-
FA6-2	A-16	SB	12"	375			-
Total				750	0	0	0%

### Diffuser Ret/Exh (GRD)

#### FCU-A6/LOUNGE A-16

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RFA6-1	RA	22"X22"	750					-
Total			750		0	0	0	0%