

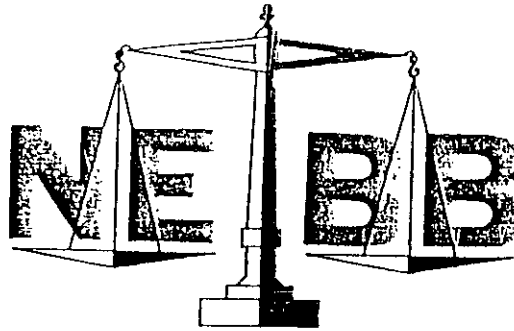
B & S Sheet Metal Mechanical, Inc.
550 West Bridge Street, Morrisville, Pa 19067-2306

Phone: (215) 295-7782 **Fax: (215) 295-9204**

March 13, 2001

To whom it may concern:

We will not be able to balance the Heating Hot Water at the J. Harold Van Zant School due to the fact that we do not have the means to do so.



CERTIFIED TEST, ADJUST, AND BALANCE REPORT

DATE May 2001

PROJECT J.H. Vanzant School

ADDRESS Evesham Township

Burlington County, New Jersey

ARCHITECT Wayne Allan Nevill, AIA

West Berlin New Jersey

ENGINEER EMC Consulting Engineers, Inc.

Cinnaminson, NJ

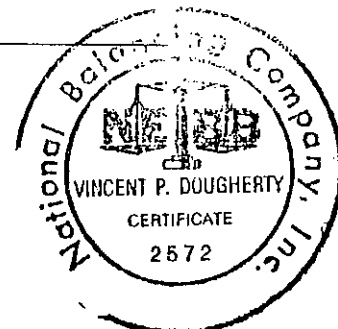
HVAC CONTRACTOR B and S Sheetmetal Mechanical

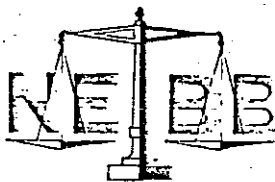
Morrisville, PA

NEBB TAB FIRM National Balancing Company, Inc.

ADDRESS 408 Oak Ave.

Cherry Hill, NJ 08002





CERTIFICATION

PROJECT J.H. Vanzant School
ADDRESS Evesham Township
Burlington County, New Jersey

THE DATA PRESENTED IN THIS REPORT IS AN EXACT RECORD OF SYSTEM PERFORMANCE AND WAS OBTAINED IN ACCORDANCE WITH NEBB STANDARD PROCEDURES. ANY VARIANCES FROM DESIGN QUANTITIES WHICH EXCEED NEBB TOLERANCES ARE NOTED THROUGHOUT THIS REPORT.

THE AIR DISTRIBUTION SYSTEMS HAVE BEEN TESTED & BALANCED AND FINAL ADJUSTMENTS HAVE BEEN MADE IN ACCORDANCE WITH NEBB "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, BALANCING OF ENVIRONMENTAL SYSTEMS" AND THE PROJECT SPECIFICATIONS.

NEBB TAB FIRM National Balancing Company, Inc.

REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Aug. 2000
(Air TAB Supervisor)

THE HYDRONIC DISTRIBUTION SYSTEMS HAVE BEEN TESTED & BALANCED AND FINAL ADJUSTMENTS HAVE BEEN MADE IN ACCORDANCE WITH NEBB "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, BALANCING OF ENVIRONMENTAL SYSTEMS" AND THE PROJECT SPECIFICATIONS.

NEBB TAB FIRM National Balancing Company, Inc.

REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Aug. 2000
(Hydronic TAB Supervisor)

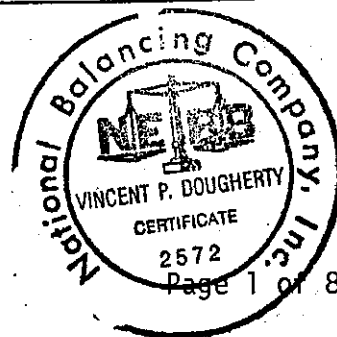
SUBMITTED & CERTIFIED BY:

NEBB TAB FIRM National Balancing Company, Inc.

TAB SUPERVISOR Vincent P. Dougherty

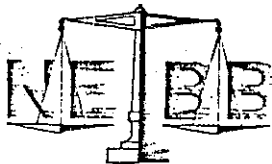
REG. NO. 2572 SIGNATURE Vincent P. Dougherty

DATE Aug. 2000 CERTIFICATION EXPIRATION DATE Dec. 2000



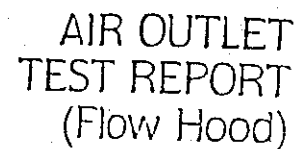
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TEST DATE Aug. 2000 READINGS BY VPO

PROJECT J. H. VAN ZANT School

FAN DATA	FAN NO. <u>EF-1</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>TOILET ROOMS</u>					
Manufacturer	<u>LOREN LOCK CO</u>					
Model Number	<u>180 HLC - B</u>					
Serial Number	<u>9822 - 0005</u>					
Type/Class	<u>CENT/EXHAUST</u>					
Motor Make/Style	<u>EMERSON / --</u>					
Motor H.P./RPM/Frame	<u>1/3 / 1725 / --</u>					
Volts/Phase/Hertz	<u>115 / 1 / 60</u>					
F.L. Amps/S.F.	<u>6.0 / 1.35</u>					
Motor Sheave Make/Model	<u>MASKA / MVL3.4</u>					
Motor Sheave Diam./Bore	<u>MVL3.4 / 1 1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>AK5.0 / 3 1/4"</u>					
No. Belts/Make/Size	<u>1 / GOODYEAR / 4L500</u>					
Sheave Φ Distance	<u>18 1/4"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>2100</u>	<u>2135</u>				
Fan RPM	<u>---</u>	<u>832</u>				
S.P. In/Out	<u>---</u>	<u>-0.21</u> <u>76.04</u>				
Total S.P.	<u>---</u>	<u>0.25</u>				
Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>115</u>	<u>115</u>				
Amperage $T_1 T_2 T_3$	<u>6.0</u>	<u>5.7</u>				

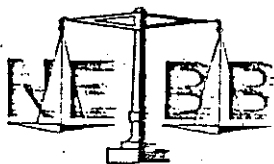
REMARKS: REVISEDTEST DATE APRIL 2001 READINGS BY VPO



OUTLET MANUFACTURER TITUS TEST APPARATUS Flow hood

REMARKS: REVISED

PAGE 4 OF 8



FAN TEST REPORT

PROJECT J. H. VAN ZANT School

FAN DATA	FAN NO. <u>EF-2</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>IDF/ELEC. RM</u>					
Manufacturer	<u>LOREN COOK</u>					
Model Number	<u>100 HLC-B</u>					
Serial Number	<u>9822-0005</u>					
Type/Class	<u>CENT/EXHAUST</u>					
Motor Make/Style	<u>EMERSON / ---</u>					
Motor H.P./RPM/Frame	<u>1/4/1725 / ---</u>					
Volts/Phase/Hertz	<u>115/1/60</u>					
F.L. Amps/S.F.	<u>4.9/1.35</u>					
Motor Sheave Make/Model	<u>MASKA / ---</u>					
Motor Sheave Diam./Bore	<u>3.0 O/D / 1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>MA 3.8 / 3/4"</u>					
No. Belts/Make/Size	<u>1/6000 X CAN / 4L370</u>					
Sheave & Distance	<u>13 3/8"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>500</u>	<u>480</u>				
Fan RPM	<u>---</u>	<u>1215</u>				
S.P. In/Out	<u>---</u>	<u>0.16 / 0.04</u>				
Total S.P.	<u>---</u>	<u>0.20</u>				
Voltage T_1, T_2, T_3 T_3, T_1	<u>115</u>	<u>115</u>				
Amperage T_1, T_2, T_3	<u>4.9</u>	<u>4.1</u>				

REMARKS:

EST DATE AUG 2000 READINGS BY VAD



OUTLET MANUFACTURER TITUS TEST APPARATUS Freemood

REMARKS:

PAGE 6 OF 8



PUMP TEST REPORT

PROJECT J. H. VANZANT School

	DATA	PUMP NO. <u>HP-1</u>	PUMP NO.	PUMP NO. <u>HP-2</u>	PUMP NO.	PUMP NO.
DESIGN	Location	<u>Boiler Rm 109</u>		<u>Boiler Rm 109</u>		
	Service	<u>HOT WATER</u>		<u>HOT WATER</u>		
	Manufacturer	<u>Bell & Gossett</u>		<u>Bell & Gossett</u>		
	Model Number <u>CAT #</u>	<u>U 4T-1</u>		<u>U 4T-1</u>		
	Serial Number <u>FAE #</u>	<u>PSC0CA012103</u>		<u>PSC0CA012103</u>		
	GPM/Head	<u>196.7/40</u>		<u>196.7/40</u>		
	Req. NPSH	<u>---</u>		<u>---</u>		
	Pump RPM	<u>---</u>		<u>---</u>		
	Impeller Diam.	<u>---</u>		<u>---</u>		
	Motor Mfr./Frame	<u>MAGNETEK/---</u>		<u>USELECTRIC/182T</u>		
	Motor HP/RPM	<u>3/1745</u>		<u>3.0/1730</u>		
	Volts/Phase/Hertz	<u>208/3/60</u>		<u>208/3/60</u>		
	F.L. Amps/S.F.	<u>9.5/---</u>		<u>9.5/---</u>		
	Seal Type	<u>---</u>		<u>---</u>		
ACTUAL	Pump Off-Press.	<u>0</u>		<u>0</u>		
	Valve Shut Diff.	<u>17 PSI</u>		<u>17 PSI</u>		
	Act. Impeller Diam.	<u>---</u>		<u>---</u>		
	Valve Open Diff.	<u>15 PSI</u>		<u>15 PSI</u>		
	Valve Open GPM	<u>---</u>		<u>---</u>		
	Final Dischg. Press.	<u>24.0 PSI</u>		<u>24.0 PSI</u>		
	Final Suction Press.	<u>9.0 PSI</u>		<u>9.0 PSI</u>		
	Final ΔP	<u>15.0 PSI</u>		<u>15.0 PSI</u>		
	Final GPM	<u>---</u>		<u>---</u>		
	Voltage T_1-T_2 T_2-T_3 T_3-T_1	<u>208/208/208</u>		<u>208/208/208</u>		
	Amperage T_1 T_2 T_3	<u>8.8/8.6/8.6</u>		<u>8.9/8.7/8.8</u>		

REMARKS:

TEST DATE Aug 2000 READINGS BY VPD



BALANCE VALVE/FLOW METER TEST REPORT

PROJECT J H VANZANT SCHOOL SYSTEM/UNIT HOT WATER
LOCATION EVESHAM TOWNSHIP

SERVICE OR DESIGNATION	SIZE	MODEL	DESIGN GPM (l/s)	ACTUAL VALVE SETPOINT (DEGREE)	ACTUAL VALVE P.D. <i>Inches H₂O</i>	ACTUAL GPM (l/s)	NOTES
UNIT VENT RM 139	3/4	TACO	2.0	---	10"	1.9	
128				---	10"	1.9	
127				---	11"	2.0	
126				---	11"	2.0	
125				---	10"	1.9	
124				---	10"	1.9	
123				---	10"	1.9	
UNIT VENT. RM 122	3/4	TACO	2.0	---	10"	1.9	
VH #2 STORAGE 135	3/4	TACO	0.70	---	2	0.80	
CUH #2 VEST 301	3/4	TACO	1.5	---	7"	1.6	

REMARKS:

TEST DATE Aug 2000 READINGS BY VPD

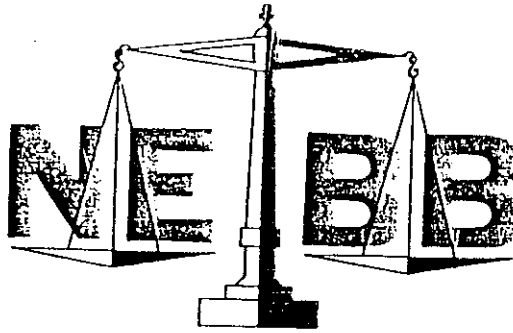
B & S Sheet Metal Mechanical, Inc.
550 West Bridge Street, Morrisville, Pa 19067-2306

Phone:(215)295-7782 **Fax:(215)295-9204**

March 13, 2001

To whom it may concern:

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CERTIFIED TEST, ADJUST, AND BALANCE REPORT

DATE May 2001

PROJECT J.H. Vanzant School

ADDRESS Evesham Township

Burlington County, New Jersey

ARCHITECT Wayne Allan Nevill, AIA

West Berlin New Jersey

ENGINEER EMC Consulting Engineers, Inc.

Cinnaminson, NJ

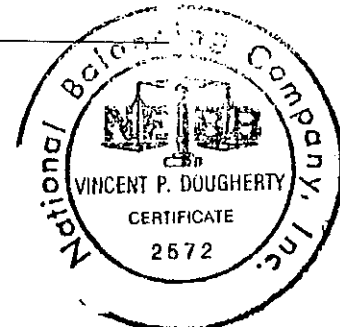
HVAC CONTRACTOR B and S Sheetmetal Mechanical

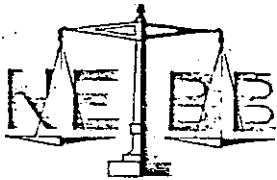
Morrisville, PA

NEBB TAB FIRM National Balancing Company, Inc.

ADDRESS 408 Oak Ave.

Cherry Hill, NJ 08002





CERTIFICATION

PROJECT J.H. Vanzant School
ADDRESS Evesham Township
Burlington County, New Jersey

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NEBB TAB FIRM National Balancing Company, Inc.

REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Aug. 2000
(Air TAB Supervisor)

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NEBB TAB FIRM National Balancing Company, Inc.

REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Aug. 2000
(Hydronic TAB Supervisor)

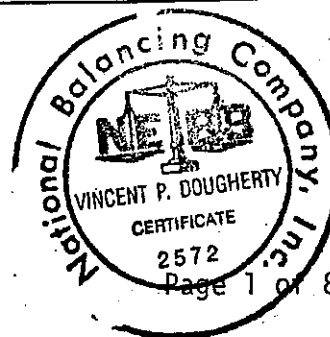
SUBMITTED & CERTIFIED BY:

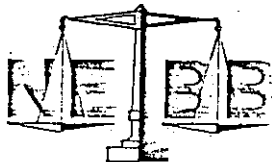
NEBB TAB FIRM National Balancing Company, Inc.

TAB SUPERVISOR Vincent P. Dougherty

REG. NO. 2572 SIGNATURE Vincent P. Dougherty

DATE Aug. 2000 CERTIFICATION EXPIRATION DATE Dec. 2000



PROJECT J. H. VAN ZANT SCHOOL

FAN DATA	FAN NO. <u>EF-1</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>TOILET ROOMS</u>					
Manufacturer	<u>LOREN LOCK CO</u>					
Model Number	<u>180 HLC - B</u>					
Serial Number	<u>9822 - 0005</u>					
Type/Class	<u>CENT/EXHAUST</u>					
Motor Make/Style	<u>EMERSON / --</u>					
Motor H.P./RPM/Frame	<u>1/3 / 1725 / --</u>					
Volts/Phase/Hertz	<u>115 / 1 / 60</u>					
F.L. Amps/S.F.	<u>6.0 / 1.35</u>					
Motor Sheave Make/Model	<u>MASKA / MVL3.4</u>					
Motor Sheave Diam./Bore	<u>MVL3.4 / 1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>AK5.0 / 3/4"</u>					
No. Belts/Make/Size	<u>1 / GOODYEAR / 4L500</u>					
Sheave & Distance	<u>18 1/4"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>2100</u>	<u>2135</u>				
Fan RPM	<u>---</u>	<u>832</u>				
S.P. In/Out	<u>---</u>	<u>-0.21 / 10.04</u>				
Total S.P.	<u>---</u>	<u>0.25</u>				
Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>115</u>	<u>115</u>				
Amperage $T_1 T_2 T_3$	<u>6.0</u>	<u>5.7</u>				

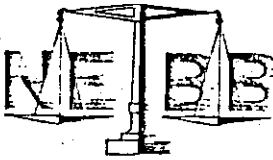
REMARKS: REVISEDTEST DATE APRIL 2001 READINGS BY VPO



OUTLET MANUFACTURER TITUS TEST APPARATUS Flow hood

REMARKS: REVISED

T DATE April 2021 READINGS BY VPO

PROJECT J. H. VAN ZANT School

FAN DATA	FAN NO. <u>EF-2</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>IDF/ELEC. RM</u>					
Manufacturer	<u>LOREN COOK</u>					
Model Number	<u>100 HLC-B</u>					
Serial Number	<u>9822-0005</u>					
Type/Class	<u>CENT/EXHAUST</u>					
Motor Make/Style	<u>EMERSON / ---</u>					
Motor H.P./RPM/Frame	<u>1/4/1725 / ---</u>					
Volts/Phase/Hertz	<u>115/1/60</u>					
F.L. Amps/S.F.	<u>4.4/1.35</u>					
Motor Sheave Make/Model	<u>MASKA / ---</u>					
Motor Sheave Diam./Bore	<u>3.0 9/16 / 1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>MA 3.8 / 3/4"</u>					
No. Belts/Make/Size	<u>1/6000 XEAM / 4L370</u>					
Sheave & Distance	<u>13 3/8"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>500</u>	<u>480</u>				
Fan RPM	<u>---</u>	<u>1215</u>				
S.P. In/Out	<u>---</u>	<u>0.16 / 0.04</u>				
Total S.P.	<u>---</u>	<u>0.20</u>				
Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>115</u>	<u>115</u>				
Amperage $T_1 T_2 T_3$	<u>4.4</u>	<u>4.1</u>				

REMARKS:

TEST DATE AUG 2000 READINGS BY VAD



OUTLET MANUFACTURER Titus TEST APPARATUS Frankford

REMARKS:

PAGE 6 OF 8



PUMP TEST REPORT

PROJECT J. H. VAN ZANT School

	DATA	PUMP NO. <u>HP-1</u>	PUMP NO.	PUMP NO. <u>HP-2</u>	PUMP NO.	PUMP NO.
DESIGN	Location	<u>Boiler Rm 109</u>		<u>Boiler Rm 109</u>		
	Service	<u>HOT WATER</u>		<u>HOT WATER</u>		
	Manufacturer	<u>Bell & Gossett</u>		<u>Bell & Gossett</u>		
	Model Number <u>CAT #</u>	<u>U 4T-1</u>		<u>U 4T-1</u>		
	Serial Number <u>PAC #</u>	<u>PICCA0121203</u>		<u>PICCA0121203</u>		
	GPM/Head	<u>196.7/40</u>		<u>196.7/40</u>		
	Req. NPSH	<u>---</u>		<u>---</u>		
	Pump RPM	<u>---</u>		<u>---</u>		
	Impeller Diam.	<u>---</u>		<u>---</u>		
	Motor Mfr./Frame	<u>MAGNETEK/---</u>		<u>USELECTRIC/182T</u>		
	Motor HP/RPM	<u>3/1745</u>		<u>3.0/1730</u>		
	Volts/Phase/Hertz	<u>208/3/60</u>		<u>208/3/60</u>		
	F.L. Amps/S.F.	<u>9.5/---</u>		<u>9.5/---</u>		
Seal Type	<u>---</u>		<u>---</u>			
ACTUAL	Pump Off-Press.	<u>0</u>		<u>0</u>		
	Valve Shut Diff.	<u>17 PSI</u>		<u>17 PSI</u>		
	Act. Impeller Diam.	<u>---</u>		<u>---</u>		
	Valve Open Diff.	<u>15 PSI</u>		<u>15 PSI</u>		
	Valve Open GPM	<u>(---)</u>		<u>(---)</u>		
	Final Dischg. Press.	<u>24.0 PSI</u>		<u>24.0 PSI</u>		
	Final Suction Press.	<u>9.0 PSI</u>		<u>9.0 PSI</u>		
	Final ΔP	<u>15.0 PSI</u>		<u>15.0 PSI</u>		
	Final GPM	<u>(---)</u>		<u>(---)</u>		
	Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>208/208/208</u>		<u>208/208/208</u>		
	Amperage $T_1 T_2 T_3$	<u>8.8/8.6/8.6</u>		<u>8.9/8.7/8.8</u>		

REMARKS:

TEST DATE Aug 2000 READINGS BY VPD



BALANCE VALVE/FLOW METER TEST REPORT

PROJECT J H VANZANT SCHOOL SYSTEM/UNIT HOT WATER
LOCATION EVERS HARK TOWNSHIP

SERVICE OR DESIGNATION	SIZE	MODEL	DESIGN GPM (l/s)	ACTUAL VALVE SETPOINT (DEGREE)	ACTUAL VALVE P.D. <i>INCHES H₂O</i>	ACTUAL GPM (l/s)	NOTES
UNIT VENT RM 129	3/4	TACO	2.0	---	10"	1.9	
128				---	10"	1.9	
127				---	11"	2.0	
126				---	11"	2.0	
125				---	10"	1.9	
124				---	10"	1.9	
123				---	10"	1.9	
UNIT VENT. RA 122	3/4	TACO	2.0	---	10"	1.9	
UH #1 STORAGE 135	3/4	TACO	0.70	---	2"	0.80	
QUH # VEST 301	3/4	TACO	1.5	---	7"	1.6	

REMARKS:

TEST DATE Aug 2000 READINGS BY VPD

B & S Sheet Metal Mechanical, Inc.
550 West Bridge Street, Morrisville, Pa 19067-2306

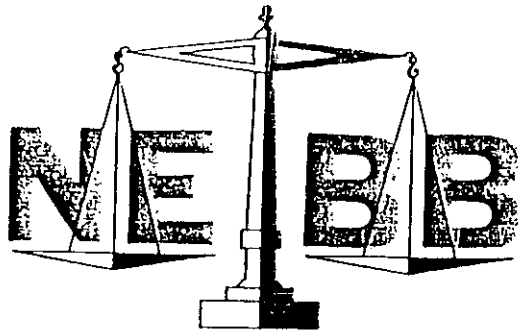
Phone:(215)295-7782

Fax:(215)295-9204

March 13, 2001

To whom it may concern:

We will not be able to balance the Heating Hot Water at the J. Harold Van Zant School due to the fact that we do not have the means to do so.



CERTIFIED TEST, ADJUST, AND BALANCE REPORT

DATE May 2001

PROJECT J.H. Vanzant School

ADDRESS Evesham Township

Burlington County, New Jersey

ARCHITECT Wayne Allan Nevill, AIA

West Berlin New Jersey

ENGINEER EMC Consulting Engineers, Inc.

Cinnaminson, NJ

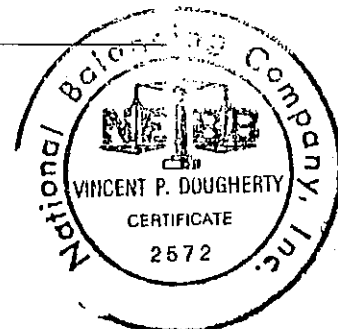
HVAC CONTRACTOR B and S Sheetmetal Mechanical

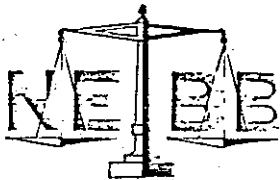
Morrisville, PA

NEBB TAB FIRM National Balancing Company, Inc.

ADDRESS 408 Oak Ave.

Cherry Hill, NJ 08002





CERTIFICATION

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ADDRESS Evesham Township
Burlington County, New Jersey

THE DATA PRESENTED IN THIS REPORT IS AN EXACT RECORD OF SYSTEM PERFORMANCE AND WAS OBTAINED IN ACCORDANCE WITH NEBB STANDARD PROCEDURES. ANY VARIANCES FROM DESIGN QUANTITIES WHICH EXCEED NEBB TOLERANCES ARE NOTED THROUGHOUT THIS REPORT.

THE AIR DISTRIBUTION SYSTEMS HAVE BEEN TESTED & BALANCED AND FINAL ADJUSTMENTS HAVE BEEN MADE IN ACCORDANCE WITH NEBB "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, BALANCING OF ENVIRONMENTAL SYSTEMS" AND THE PROJECT SPECIFICATIONS.

NEBB TAB FIRM National Balancing Company, Inc.

REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Aug. 2000
(Air TAB Supervisor)

THE HYDRONIC DISTRIBUTION SYSTEMS HAVE BEEN TESTED & BALANCED AND FINAL ADJUSTMENTS HAVE BEEN MADE IN ACCORDANCE WITH NEBB "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, BALANCING OF ENVIRONMENTAL SYSTEMS" AND THE PROJECT SPECIFICATIONS.

NEBB TAB FIRM National Balancing Company, Inc.

REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Aug. 2000
(Hydronic TAB Supervisor)

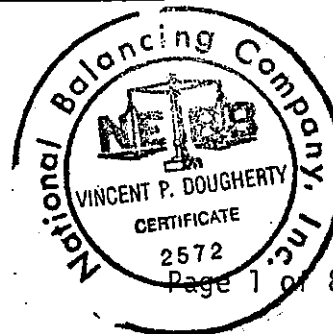
SUBMITTED & CERTIFIED BY:

NEBB TAB FIRM National Balancing Company, Inc.

TAB SUPERVISOR Vincent P. Dougherty

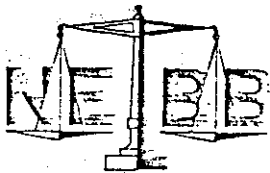
REG. NO. 2572 SIGNATURE Vincent P. Dougherty

DATE Aug. 2000 CERTIFICATION EXPIRATION DATE Dec. 2000



[illegible]

TEST DATE Aug. 2000 READINGS BY VPO



FAN TEST REPORT

PROJECT J. H. VAN ZANT SCHOOL

FAN DATA	FAN NO. <u>EF-1</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>TOILET ROOMS</u>					
Manufacturer	<u>LOREN LOCK CO</u>					
Model Number	<u>180 HLC-B</u>					
Serial Number	<u>9822-0005</u>					
Type/Class	<u>CENT/EXHAUST</u>					
Motor Make/Style	<u>EMERSON / --</u>					
Motor H.P./RPM/Frame	<u>1/3 / 1725 / --</u>					
Volts/Phase/Hertz	<u>115 / 1 / 60</u>					
F.L. Amps/S.F.	<u>6.0 / 1.35</u>					
Motor Sheave Make/Model	<u>MASSA / MVL3.4</u>					
Motor Sheave Diam./Bore	<u>MVL3.4 / 1 1/2"</u>					
Fan Sheave Make	<u>MASSA</u>					
Fan Sheave Diam./Bore	<u>AK5.0 / 3/4"</u>					
No. Belts/Make/Size	<u>1 / GOODYEAR / 4L500</u>					
Sheave ϕ Distance	<u>18 1/4"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>2100</u>	<u>2135</u>				
Fan RPM	<u>---</u>	<u>832</u>				
S.P. In/Out	<u>---</u>	<u>0.21 70.04</u>				
Total S.P.	<u>---</u>	<u>0.25</u>				
Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>115</u>	<u>115</u>				
Amperage $T_1 T_2 T_3$	<u>6.0</u>	<u>5.7</u>				

REMARKS: REVISEDTEST DATE APRIL 2001 READINGS BY VPO



PROJECT J H VAN ZANT School SYSTEM EF # 2
OUTLET MANUFACTURER TITUS TEST APPARATUS Flowlood

REMARKS: REVISEDST DATE April 2021 READINGS BY VPD

PROJECT J. H. VAN ZANT School

FAN DATA	FAN NO. <u>EF-2</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>IDF/ELEC. RM</u>					
Manufacturer	<u>LOREN COOK</u>					
Model Number	<u>100 HLC-B</u>					
Serial Number	<u>9822-0005</u>					
Type/Class	<u>CENT/EXHAUST</u>					
Motor Make/Style	<u>EMULSER / ---</u>					
Motor H.P./RPM/Frame	<u>1/4/1725 / ---</u>					
Volts/Phase/Hertz	<u>115/1/60</u>					
F.L. Amps/S.F.	<u>4.4/1.35</u>					
Motor Sheave Make/Model	<u>MASKA / ---</u>					
Motor Sheave Diam./Bore	<u>3.0 O/D / 1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>MA3.8 / 3/4"</u>					
No. Belts/Make/Size	<u>1/6600SEAN/4L370</u>					
Sheave ϕ Distance	<u>13 3/8"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>500</u>	<u>480</u>				
Fan RPM	<u>---</u>	<u>1215</u>				
S.P. In/Out	<u>---</u>	<u>0.16 / 0.04</u>				
Total S.P.	<u>---</u>	<u>0.20</u>				
Voltage $\frac{T_1-T_2}{T_3-T_1}$	<u>115</u>	<u>115</u>				
Amperage $T_1 T_2 T_3$	<u>4.4</u>	<u>4.1</u>				

REMARKS:

TEST DATE AUG 2000 READINGS BY VAD



OUTLET MANUFACTURER TITUS TEST APPARATUS Finchcoo

REMARKS:

PAGE 6 OF 8



PUMP TEST REPORT

PROJECT J. H. VANZANT School

	DATA	PUMP NO. <u>HP-1</u>	PUMP NO.	PUMP NO. <u>HP-2</u>	PUMP NO.	PUMP NO.
DESIGN	Location	<u>Boiler Rm 109</u>		<u>Boiler Rm 109</u>		
	Service	<u>HOT WATER</u>		<u>HOT WATER</u>		
	Manufacturer	<u>Bell & Gossett</u>		<u>Bell & Gossett</u>		
	Model Number <u>CAT #</u>	<u>114T-1</u>		<u>114T-1</u>		
	Serial Number <u>PAC #</u>	<u>PICOLA0121203</u>		<u>PICOLA0121203</u>		
	GPM/Head	<u>196.7/40</u>		<u>196.7/40</u>		
	Req. NPSH	<u>---</u>		<u>---</u>		
	Pump RPM	<u>---</u>		<u>---</u>		
	Impeller Diam.	<u>---</u>		<u>---</u>		
	Motor Mfr./Frame	<u>MAGNETEK/---</u>		<u>US ELECTRIC/182T</u>		
	Motor HP/RPM	<u>3/1745</u>		<u>3.0/1730</u>		
	Volts/Phase/Hertz	<u>208/3/60</u>		<u>208/3/60</u>		
	F.L. Amps/S.F.	<u>9.5/---</u>		<u>9.5/---</u>		
Seal Type	<u>---</u>		<u>---</u>			
ACTUAL	Pump Off-Press.	<u>0</u>		<u>0</u>		
	Valve Shut Diff.	<u>17 PSI</u>		<u>17 PSI</u>		
	Act. Impeller Diam.	<u>---</u>		<u>---</u>		
	Valve Open Diff.	<u>15 PSI</u>		<u>15 PSI</u>		
	Valve Open GPM	<u>---</u>		<u>---</u>		
	Final Dischg. Press.	<u>24.0 PSI</u>		<u>24.0 PSI</u>		
	Final Suction Press.	<u>9.0 PSI</u>		<u>9.0 PSI</u>		
	Final ΔP	<u>15.0 PSI</u>		<u>15.0 PSI</u>		
	Final GPM	<u>---</u>		<u>---</u>	<u>← NO DATA ?</u>	
	Voltage $T_1-T_2 T_2-T_3$ T_3-T_1	<u>208/208/208</u>		<u>208/208/208</u>		
	Amperage $T_1 T_2 T_3$	<u>8.8/8.6/8.6</u>		<u>8.9/8.7/8.8</u>		

REMARKS:

TEST DATE Aug 2000 READINGS BY VPD



BALANCE VALVE/FLOW METER TEST REPORT

PROJECT J H VAN ZANT SCHOOL SYSTEM/UNIT HOT WATER
LOCATION EUREKA TOWNSHIP

SERVICE OR DESIGNATION	SIZE	MODEL	DESIGN GPM (l/s)	ACTUAL VALVE SETPOINT (DEGREE)	ACTUAL VALVE P.D. INCHES H ₂ O	ACTUAL GPM (l/s)	NOTES
UNIT VENT RM 129	3/4	TACO	2.0	---	10"	1.9	
128				---	10"	1.9	
127				---	11"	2.0	
126				---	11"	2.0	
125				---	10"	1.9	
124				---	10"	1.9	
123				---	10"	1.9	
UNIT VENT RM 122	3/4	TACO	2.0	---	10"	1.9	
VH #1 STORAGE 135	3/4	TACO	0.70	---	2"	0.80	
CUH #1 VEST 301	3/4	TACO	1.5	---	7"	1.6	

REMARKS:

TEST DATE Aug 2000 READINGS BY VPD