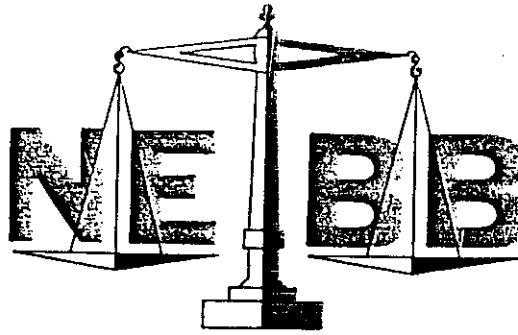




CERTIFIED TEST, ADJUST, AND BALANCE REPORT

DATE May 2001

PROJECT Florence V. Evans 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

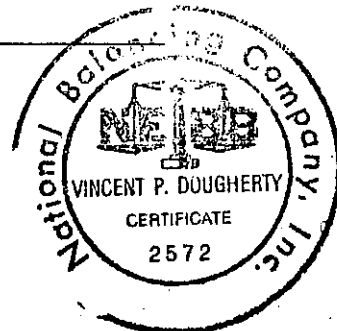
Morrisville, PA

NEBB TAB FIRM National Balancing Company, Inc.

ADDRESS 408 Oak Ave.

Cherry Hill, NJ 08002

NOTE: Included updated values for
EF #1.



PROJECT Florence V. Evans SchoolADDRESS Evesham TownshipBurlington 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.

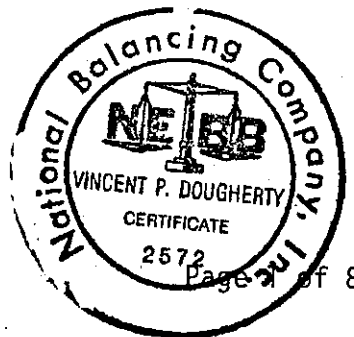
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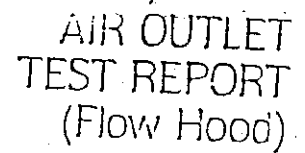
NEBB TAB FIRM National Balancing Company, Inc.REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Sept. 2000
(Air TAB Supervisor)

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 Sept. 2000
(Hydronic TAB Supervisor)

SUBMITTED & CERTIFIED BY:

NEBB TAB FIRM National Balancing Company, Inc.TAB SUPERVISOR Vincent P. DoughertyREG. NO. 2572 SIGNATURE Vincent P. DoughertyDATE Sept. 2000 CERTIFICATION EXPIRATION DATE Dec. 2000



PROJECT FLORENCE V. EVANS SCHOOL SYSTEM UNIT VENTILATOR / OUTSIDE AIR
OUTLET MANUFACTURER - - - - - TEST APPARATUS FLOW HOOD

REMARKS:

TEST DATE Sept. 2000 READINGS BY VPD

PROJECT FLORENCE V. EVANS 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 COOK</u>					
Model Number	<u>150 HLC-B</u>					
Serial Number <u>JOB#</u>	<u>2895586509/9822</u>					
Type/Class	<u>CENT EXHAUST</u>					
Motor Make/Style	<u>MARATHON/DEL</u>					
Motor H.P./RPM/Frame	<u>1/3/1725/48Z</u>					
Volts/Phase/Hertz	<u>115/1/60</u>					
F.L. Amps/S.F.	<u>6.1/1.35</u>					
Motor Sheave Make/Model	<u>MASKA/1UL3.4</u>					
Motor Sheave Diam./Bore	<u>1UL3.4/1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>AK5.0/3/4"</u>					
No. Belts/Make/Size	<u>1/GOODYEAR/A-43</u>					
Sheave ϕ Distance	<u>15 7/8"</u>					
	<u>MAX. SHEAVE POSITION</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>1840</u>	<u>1685</u>				
Fan RPM	<u>---</u>	<u>1021</u>				
S.P. In/Out	<u>---</u>	<u>0.34</u> <u>10.02</u>				
Total S.P.	<u>---</u>	<u>0.36</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>6.1</u>	<u>6.0</u>				

REMARKS: REVISEDTEST DATE APRIL 2001 READINGS BY VPD

[illegible]

REMARKS: REVISED

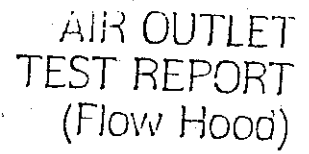
EST DATE APRIL 2001 READINGS BY VPD

PROJECT FLORENCE V. EVANS School

FAN DATA	FAN NO. <u>EF-2</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>IDF. ELCC. RM 217</u>					
Manufacturer	<u>KOREN COOK</u>					
Model Number	<u>100 HCC-B</u>					
Serial Number <u>JOB#</u>	<u>2895586509/9822</u>					
Type/Class	<u>CENT. EXHAUST</u>					
Motor Make/Style	<u>EMULSON/TP</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 0/0/1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>MA 3.8 1/3/4"</u>					
No. Belts/Make/Size	<u>1/GOODRICH/A-35</u>					
Sheave & Distance	<u>13 3/8"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>500</u>	<u>515</u>				
Fan RPM	<u>---</u>	<u>1209</u>				
S.P. In/Out	<u>---</u>	<u>0.16</u> <u>0.61</u>				
Total S.P.	<u>---</u>	<u>0.15</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>4.9</u>	<u>4.0</u>				

REMARKS:

TEST DATE SEPT 2000 READINGS BY UPD



OUTLET MANUFACTURER TITUS TEST APPARATUS Flowood

[illegible]

REMARKS:

TEST DATE SEPT. 2000 READINGS BY UPD



CERT. No. 2572

NATIONAL BALANCING COMPANY, INC.

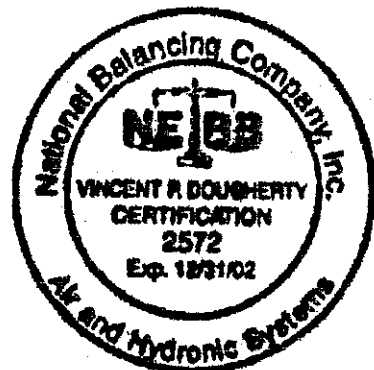
408 OAK AVENUE
CHERRY HILL, NJ 08002

(856) 667-5100 FAX (856) 667-1099

FLORENCE V. EVANS SCHOOL

EVESHAM TOWNSHIP

HYDRONICS



PUMP TEST REPORT

PROJECT FLORENCE V. EVANS SCHOOL

DATA		PUMP NO. <u>HWP-1</u>	PUMP NO.	PUMP NO. <u>HWP-2</u>	PUMP NO.	PUMP NO.
DESIGN	Location	<u>1451 Bailey Rd.</u>		<u>1451 Bailey Rd.</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>V2-T</u>		<u>V2-T</u>		
	Serial Number <u>FAC #</u>	<u>5M2557-2</u>		<u>5M2557-2</u>		
	GPM/Head	<u>---</u>		<u>---</u>		
	Req. NPSH	<u>---</u>		<u>---</u>		
	Pump RPM	<u>---</u>		<u>---</u>		
	Impeller Diam.	<u>---</u>		<u>---</u>		
	Motor Mfr./Frame	<u>V/ELCC./145T</u>		<u>WAGNER/184</u>		
	Motor HP/RPM	<u>2/1785</u>		<u>2/1750</u>		
	Volts/Phase/Hertz	<u>230/3/60</u>		<u>208/3/60</u>		
F.L. Amps/S.F.	<u>7.0/1.15</u>		<u>6.4/---</u>			
Seal Type	<u>---</u>		<u>---</u>			
ACTUAL	Pump Off-Press.	<u>0</u>		<u>0</u>		
	Valve Shut Diff.	<u>---</u>		<u>---</u>		
	Act. Impeller Diam.	<u>---</u>		<u>---</u>		
	Valve Open Diff.	<u>---</u>		<u>---</u>		
	Valve Open GPM	<u>---</u>		<u>---</u>		
	Final Dischg. Press.	<u>20.0 PSI</u>		<u>20.0 PSI</u>		
	Final Suction Press.	<u>NO GAUGE PORT</u>		<u>NO GAUGE PORT</u>		
	Final Δ P.	<u>---</u>		<u>---</u>		
	Final GPM	<u>---</u>		<u>---</u>		
	Voltage T_1-T_2 T_2-T_3 T_3-T_1	<u>210/210/210</u>		<u>210/210/210</u>		
	Amperage T_1 T_2 T_3	<u>5.6/5.4/5.5</u>		<u>5.7/5.6/5.6</u>		

REMARKS:

TEST DATE SEPT 2000 READINGS BY UPD

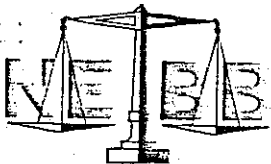


SYSTEM/UNIT HOT WATER

LOCATION Evesham Township

REMARKS: NOTE: OLD EXISTING SYSTEM NEEDS MORE INVESTIGATION FROM
EXISTING PUMPS TO TIE-IN NEGATIVE BEARING AT NEW TIE-IN CIRCUIT SETTER
AND INDICATE SOMETHING CLOSED (VALUE ETC.) OR SYSTEM AIR BOUND.

TEST DATE SEPT 2000 READINGS BY VPD



PUMP TEST REPORT

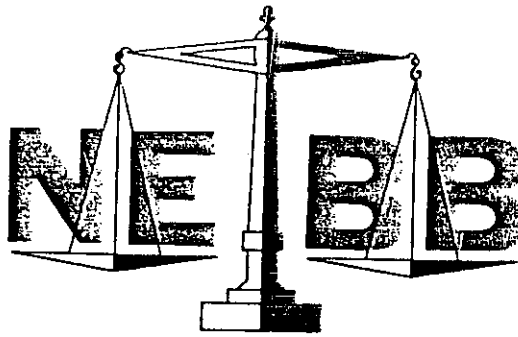
PROJECT FLORENCE V. EVANS School

	DATA	NEW H.W. PUMP NO. <u>P-1</u>	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.
DESIGN	Location	<u>Boiler RM</u>				
	Service	<u>HOT WATER</u>				
	Manufacturer	<u>TACO</u>				
	Model Number	<u>6.35/1614</u>				
	Serial Number	<u>16142312</u>				
	GPM/Head	<u>40/38</u>				
	Req. NPSH	<u>---</u>				
	Pump RPM	<u>1725</u>				
	Impeller Diam.	<u>6.35</u>				
	Motor Mfr./Frame	<u>EMERSON/1---</u>				
	Motor HP/RPM	<u>3/4/1725</u>				
	Volts/Phase/Hertz	<u>200/3/60</u>				
	F.L. Amps/S.F.	<u>3.4/1.25</u>				
Seal Type	<u>---</u>					
ACTUAL	Pump Off-Press.	<u>0</u>				
	Valve Shut Diff.	<u>19.0 PSI/44'</u>				
	Act. Impeller Diam.	<u>6.35"</u>				
	Valve Open Diff.	<u>18.5 PSI/41'</u>				
	Valve Open GPM	<u>28</u>				
	Final Dischg. Press.	<u>30.6</u>				
	Final Suction Press.	<u>12.0</u>				
	Final ΔP	<u>18.6</u>				
	Final GPM	<u>18.0</u>				
	Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>212/211/212</u>				
	Amperage $T_1 T_2 T_3$	<u>2.6/2.7/2.7</u>				

REMARKS: SET AT CIRCUIT SETTERTEST DATE JAN 2000 READINGS BY VPO

[illegible]

TEST DATE Nov 2000 READINGS BY VPD



CERTIFIED TEST, ADJUST, AND BALANCE REPORT

DATE May 2001

PROJECT Florence V. Evans 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

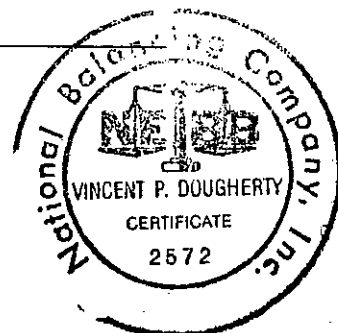
Morrisville, PA

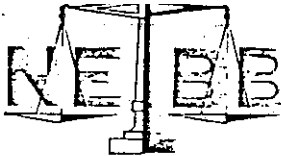
NEBB TAB FIRM National Balancing Company, Inc.

ADDRESS 408 Oak Ave.

Cherry Hill, NJ 08002

NOTE: Included updated values for
EF #1.



PROJECT Florence V. Evans SchoolADDRESS Evesham TownshipBurlington County, New Jersey

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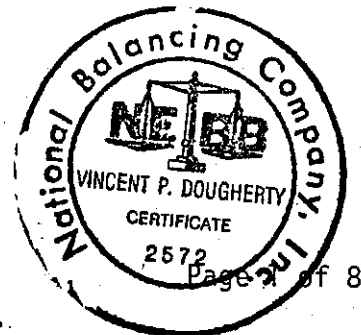
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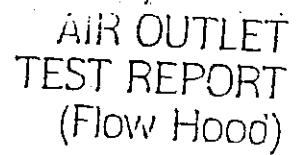
NEBB TAB FIRM National Balancing Company, Inc.REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Sept. 2000
(Air TAB Supervisor)

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NEBB TAB FIRM National Balancing Company, Inc.REG. NO. 2572 CERTIFIED BY Vincent P. Dougherty DATE Sept. 2000
(Hydronic TAB Supervisor)

SUBMITTED & CERTIFIED BY:

NEBB TAB FIRM National Balancing Company, Inc.TAB SUPERVISOR Vincent P. DoughertyREG. NO. 2572 SIGNATURE Vincent P. DoughertyDATE Sept. 2000 CERTIFICATION EXPIRATION DATE Dec. 2000



OUTLET MANUFACTURER TEST APPARATUS Flow hood

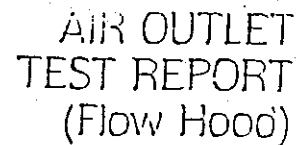
REMARKS:

PAGE 2 OF 8

PROJECT FLORENCE V. EVANS 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 COOK</u>					
Model Number	<u>150 HLC-B</u>					
Serial Number <u>JOB#</u>	<u>2895586509/9822</u>					
Type/Class	<u>CENT EXHAUST</u>					
Motor Make/Style	<u>MARATHON/DP</u>					
Motor H.P./RPM/Frame	<u>1/3/1225/48Z</u>					
Volts/Phase/Hertz	<u>115/1/60</u>					
F.L. Amps/S.F.	<u>6.1 / 1.35</u>					
Motor Sheave Make/Model	<u>MASKA / 1VL3.4</u>					
Motor Sheave Diam./Bore	<u>1VL3.4 / 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/GOODRICH/A-43</u>					
Sheave ϕ Distance	<u>15 7/8"</u>					
	<u>MAX. SHEAVE POSITION</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>1840</u>	<u>1685</u>				
Fan RPM	<u>---</u>	<u>1021</u>				
S.P. In/Out	<u>---</u>	<u>0.34</u> <u>10.02</u>				
Total S.P.	<u>---</u>	<u>0.36</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>6.1</u>	<u>6.0</u>				

REMARKS: REVISEDTEST DATE APRIL 2001 READINGS BY VPD



PROJECT FLORENCE V. EVANS SCHOOL SYSTEM EXHAUST FAN #2
OUTLET MANUFACTURER TITUS TEST APPARATUS Flow hood

REMARKS: REVISED

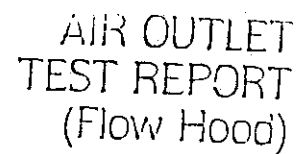
EST DATE APRIL 2001 READINGS BY VPD

PROJECT FLORENCE V. EVANS SCHOOL

FAN DATA	FAN NO. <u>EF-2</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>IDF. ELCC. RM 217</u>					
Manufacturer	<u>LOREN COOK</u>					
Model Number	<u>100 HLC-B</u>					
Serial Number <u>JOB#</u>	<u>2895586509/9822</u>					
Type/Class	<u>CENT. EXHAUST</u>					
Motor Make/Style	<u>EMERSON/TP</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>MR 3.8/3/4"</u>					
No. Belts/Make/Size	<u>1/GOODRICH/A-35</u>					
Sheave & Distance	<u>13 3/8"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>500</u>	<u>515</u>				
Fan RPM	<u>---</u>	<u>1209</u>				
S.P. In/Out	<u>---</u>	<u>0.16</u> <u>0.61</u>				
Total S.P.	<u>---</u>	<u>0.15</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>4.9</u>	<u>4.0</u>				

REMARKS:

TEST DATE SEPT 2000 READINGS BY VPD



OUTLET MANUFACTURER Titus TEST APPARATUS Flowfood

REMARKS:

PAGE 6 OF 8



CERT. No. 2572

NATIONAL BALANCING COMPANY, INC.

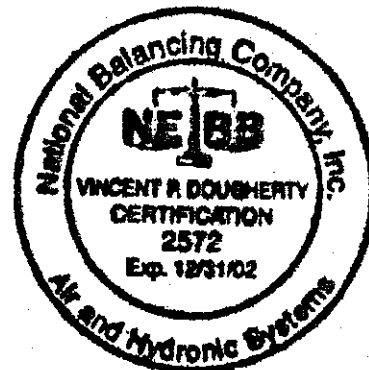
408 OAK AVENUE
CHERRY HILL, NJ 08002

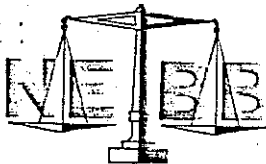
(856) 667-5100 FAX (856) 667-1099

FLORENCE V. EVANS SCHOOL

EVESHAM TOWNSHIP

HYDRONICS





PUMP TEST REPORT

PROJECT FLORENCE V. EVANS School

DATA		NEW H.W. PUMP NO. <u>P-1</u>	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.
DESIGN	Location	<u>Boiler Rm</u>				
	Service	<u>HOT WATER</u>				
	Manufacturer	<u>TACO</u>				
	Model Number	<u>6.35/1614</u>				
	Serial Number	<u>16140312</u>				
	GPM/Head	<u>40/38</u>				
	Req. NPSH	<u>---</u>				
	Pump RPM	<u>1725</u>				
	Impeller Diam.	<u>6.35</u>				
	Motor Mfr./Frame	<u>EMERSON/---</u>				
	Motor HP/RPM	<u>3/4/1725</u>				
	Volts/Phase/Hertz	<u>200/3/60</u>				
	F.L. Amps/S.F.	<u>3.4/1.25</u>				
Seal Type	<u>---</u>					
ACTUAL	Pump Off-Press.	<u>0</u>				
	Valve Shut Diff.	<u>19.0 PSI/44'</u>				
	Act. Impeller Diam.	<u>6.35"</u>				
	Valve Open Diff.	<u>18.5 PSI/41'</u>				
	Valve Open GPM	<u>28</u>				
	Final Dischg. Press.	<u>30.6</u>				
	Final Suction Press.	<u>12.0</u>				
	Final ΔP	<u>18.6</u>				
	Final GPM	<u>18.0</u>				
	Voltage T_1, T_2, T_3 T_3, T_1	<u>212/211/212</u>				
	Amperage T_1, T_2, T_3	<u>2.6/2.7/2.7</u>				

REMARKS: SET AT CIRCUIT SETTER

TEST DATE JAN 2000 READINGS BY VPO

[illegible]

REMARKS:

TEST DATE Nov 2000 READINGS BY VPD

PROJECT FLORENCE V. EVANS SCHOOL

DATA		PUMP NO. <u>HWP-1</u>	PUMP NO.	PUMP NO. <u>HWP-2</u>	PUMP NO.	PUMP NO.
DESIGN	Location	<u>1451 Boiler Rm.</u>		<u>1451 Boiler Rm.</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>V2-T</u>		<u>V2-T</u>		
	Serial Number <u>FAC #</u>	<u>5M2557-2</u>		<u>5M2557-2</u>		
	GPM/Head	<u>---</u>		<u>---</u>		
	Req. NPSH	<u>---</u>		<u>---</u>		
	Pump RPM	<u>---</u>		<u>---</u>		
	Impeller Diam.	<u>---</u>		<u>---</u>		
	Motor Mfr./Frame	<u>WEGE. / 145T</u>		<u>WAGNER / 184</u>		
	Motor HP/RPM	<u>2 / 1785</u>		<u>2 / 1750</u>		
	Volts/Phase/Hertz	<u>230 / 3 / 60</u>		<u>208 / 3 / 60</u>		
	F.L. Amps/S.F.	<u>7.0 / 1.15</u>		<u>6.4 / ---</u>		
	Seal Type	<u>---</u>		<u>---</u>		
ACTUAL	Pump Off-Press.	<u>0</u>		<u>0</u>		
	Valve Shut Diff.	<u>---</u>		<u>---</u>		
	Act. Impeller Diam.	<u>---</u>		<u>---</u>		
	Valve Open Diff.	<u>---</u>		<u>---</u>		
	Valve Open GPM	<u>---</u>		<u>---</u>		
	Final Dischg. Press.	<u>20.0 PSI</u>		<u>20.0 PSI</u>		
	Final Suction Press.	<u>No gauge port</u>		<u>No gauge port</u>		
	Final ΔP	<u>---</u>		<u>---</u>		
	Final GPM	<u>---</u>		<u>---</u>		
	Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>210 / 210 / 210</u>		<u>210 / 210 / 210</u>		
	Amperage $T_1 T_2 T_3$	<u>5.6 / 5.4 / 5.5</u>		<u>5.7 / 5.6 / 5.6</u>		

REMARKS:

TEST DATE SEPT 2000 READINGS BY VPD

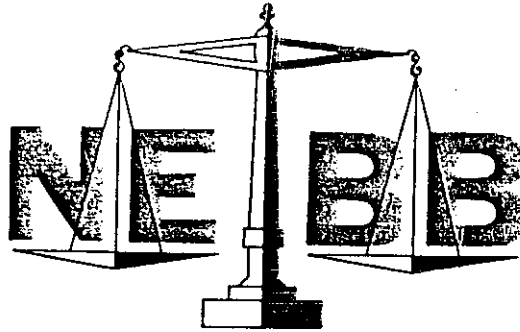


SYSTEM/UNIT HOT WATER

LOCATION Evesham Township

REMARKS: NOTE: OLD EXISTING SYSTEM NEEDS MORE INVESTIGATION FROM
EXISTING PUMPS TO TIE-IN NEGATIVE READING AT NEW TIE-IN CIRCUIT SETTER
AND INDICATE SOMETHING CLOSED (VALVE ETC.) OR SYSTEM AIR BOUND.

TEST DATE SEPT 2000 READINGS BY VPD



CERTIFIED TEST, ADJUST, AND BALANCE REPORT

DATE May 2001

PROJECT Florence V. Evans 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

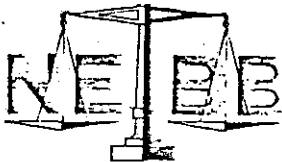
NEBB TAB FIRM National Balancing Company, Inc.

ADDRESS 408 Oak Ave.

Cherry Hill, NJ 08002

NOTE: Included updated values for
EF #1.





CERTIFICATION

PROJECT Florence V. Evans 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 Sept. 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 Sept. 2000
(Hydronic TAB Supervisor)

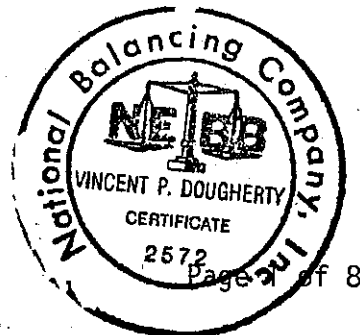
SUBMITTED & CERTIFIED BY:

NEBB TAB FIRM National Balancing Company, Inc.

TAB SUPERVISOR Vincent P. Dougherty

REG. NO. 2572 SIGNATURE Vincent P. Dougherty

DATE Sept. 2000 CERTIFICATION EXPIRATION DATE Dec. 2000



PROJECT FLORENCE V. EVANS SCHOOL

FAN DATA	FAN NO. <u>EF-1</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>TOILET ROOMS</u>					
Manufacturer	<u>KOREN COOL</u>					
Model Number	<u>150 HLC-B</u>					
Serial Number <u>JOB#</u>	<u>2895586509/9822</u>					
Type/Class	<u>CENT EXHAUST</u>					
Motor Make/Style	<u>MARATHON/DB</u>					
Motor H.P./RPM/Frame	<u>1/3/1725/482</u>					
Volts/Phase/Hertz	<u>115/1/60</u>					
F.L. Amps/S.F.	<u>6.1/1.35</u>					
Motor Sheave Make/Model	<u>MASKA/1 1/2 3.4</u>					
Motor Sheave Diam./Bore	<u>1 1/2 3.4/1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>AK 5.0/3/4"</u>					
No. Belts/Make/Size	<u>1/GOODYEAR/A-43</u>					
Sheave & Distance	<u>15 7/8"</u>					
	<u>MAX. SHEAVE POSITION</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>1840</u>	<u>1685</u>				
Fan RPM	<u>---</u>	<u>1021</u>				
S.P. In/Out	<u>---</u>	<u>0.34</u> <u>10.02</u>				
Total S.P.	<u>---</u>	<u>0.36</u>				
Voltage $\frac{T_1 T_2 T_3}{T_3 T_1}$	<u>115</u>	<u>115</u>				
Amperage $T_1 T_2 T_3$	<u>6.1</u>	<u>6.0</u>				

REMARKS: REVISEDTEST DATE APRIL 2001 READINGS BY VPD



PROJECT FLORENCE V. EVANS SCHOOL SYSTEM EXHAUST FAN #1
OUTLET MANUFACTURER TITUS TEST APPARATUS Flow hood

REMARKS: *REVISED*

TEST DATE April 2001 READINGS BY VPD

PROJECT FLORENCE V. EVANS School

FAN DATA	FAN NO. <u>EF-2</u>	FAN NO.	FAN NO.			
Location	<u>ROOF</u>					
Service	<u>IDF. ELCC. Rm 217</u>					
Manufacturer	<u>LOREN COOK</u>					
Model Number	<u>100 HCC-B</u>					
Serial Number <u>Job #</u>	<u>2895586509/9822</u>					
Type/Class	<u>CENT. EXHAUST</u>					
Motor Make/Style	<u>EMERSON/TP</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>3.00/0/1/2"</u>					
Fan Sheave Make	<u>MASKA</u>					
Fan Sheave Diam./Bore	<u>MA 3.8 1 3/4"</u>					
No. Belts/Make/Size	<u>1/GOODRICH/A-35</u>					
Sheave & Distance	<u>13 3/8"</u>					
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	<u>500</u>	<u>515</u>				
Fan RPM	<u>---</u>	<u>1209</u>				
S.P. In/Out	<u>---</u>	<u>0.16</u> <u>0.61</u>				
Total S.P.	<u>---</u>	<u>0.15</u>				
Voltage $\frac{T_1 T_2 T_3}{T_3 T_1}$	<u>115</u>	<u>115</u>				
Amperage $T_1 T_2 T_3$	<u>4.9</u>	<u>4.0</u>				

REMARKS:

TEST DATE SEPT 2000 READINGS BY UPD

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TEST DATE SEPT. 2000 READINGS BY UPD



CERT. No. 2572

NATIONAL BALANCING COMPANY, INC.

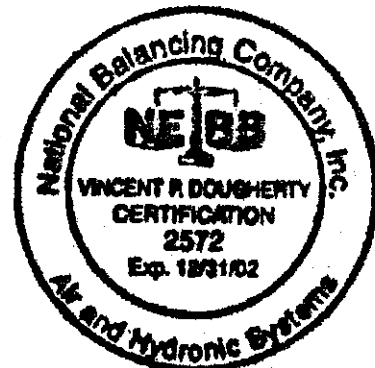
408 OAK AVENUE
CHERRY HILL, NJ 08002

(856) 667-5100 FAX (856) 667-1099

FLORENCE V. EVANS SCHOOL

EVESHAM TOWNSHIP

HYDRONICS



PUMP TEST REPORT

PROJECT FLORENCE V. EVANS SCHOOL

DATA		PUMP NO. <u>HW P-1</u>	PUMP NO.	PUMP NO. <u>HW P-2</u>	PUMP NO.	PUMP NO.
DESIGN	Location	<u>1451 BOILER RM.</u>		<u>1451 BOILER RM.</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>U2-T</u>		<u>U2-T</u>		
	Serial Number <u>FAC #</u>	<u>5M2557-2</u>		<u>5M2557-2</u>		
	GPM/Head	<u>---</u>		<u>---</u>		
	Req. NPSH	<u>---</u>		<u>---</u>		
	Pump RPM	<u>---</u>		<u>---</u>		
	Impeller Diam.	<u>---</u>		<u>---</u>		
	Motor Mfr./Frame	<u>WEGE. 1145T</u>		<u>WAGNER 184</u>		
	Motor HP/RPM	<u>2/1725</u>		<u>2/1750</u>		
	Volts/Phase/Hertz	<u>230/3/60</u>		<u>208/3/60</u>		
	F.L. Amps/S.F.	<u>7.0/1.15</u>		<u>6.4/---</u>		
	Seal Type	<u>---</u>		<u>---</u>		
ACTUAL	Pump Off-Press.	<u>0</u>		<u>0</u>		
	Valve Shut Diff.	<u>---</u>		<u>---</u>		
	Act. Impeller Diam.	<u>---</u>		<u>---</u>		
	Valve Open Diff.	<u>---</u>		<u>---</u>		
	Valve Open GPM	<u>---</u>		<u>---</u>		
	Final Dischg. Press.	<u>20.0 PSI</u>		<u>20.0 PSI</u>		
	Final Suction Press.	<u>NO GAUGE PORT</u>		<u>NO GAUGE PORT</u>		
	Final ΔP	<u>---</u>		<u>---</u>		
	Final GPM	<u>---</u>		<u>---</u>		
	Voltage $T_1 T_2 T_3$ $T_3 T_1$	<u>210/210/210</u>		<u>210/210/210</u>		
	Amperage $T_1 T_2 T_3$	<u>5.6/5.4/5.5</u>		<u>5.7/5.6/5.6</u>		

REMARKS:

TEST DATE SEPT 2000 READINGS BY VPD



SYSTEM/UNIT HOT WATER

LOCATION Evesham Township

REMARKS: NOTE: OLD EXISTING SYSTEM NEEDS MORE INVESTIGATION FROM
EXISTING PUMPS TO TIE-IN NEGATIVE BENDING AT NEW TIE-IN CIRCUIT SETTER
AND INDICATE SOMETHING CLOSED (VALVE ETC.) OR SYSTEM AIR BOUND.

TEST DATE SEPT 2000 READINGS BY UDD



PUMP TEST REPORT

PROJECT FLORENCE V. EVANS School

DATA		NEW H.W. PUMP NO. <u>P-1</u>	PUMP NO.	PUMP NO.	PUMP NO.	PUMP NO.
DESIGN	Location	<u>Boiler RM</u>				
	Service	<u>HOT WATER</u>				
	Manufacturer	<u>TACO</u>				
	Model Number	<u>6.35/1614</u>				
	Serial Number	<u>161403N2</u>				
	GPM/Head	<u>40/38</u>				
	Req. NPSH	<u>---</u>				
	Pump RPM	<u>1725</u>				
	Impeller Diam.	<u>6.35</u>				
	Motor Mfr./Frame	<u>EMULSON/---</u>				
	Motor HP/RPM	<u>3/4/1725</u>				
	Volts/Phase/Hertz	<u>200/3/60</u>				
	F.L. Amps/S.F.	<u>3.4/1.25</u>				
	Seal Type	<u>---</u>				
ACTUAL	Pump Off-Press.	<u>0</u>				
	Valve Shut Diff.	<u>19.0 PSI/44'</u>				
	Act. Impeller Diam.	<u>6.35"</u>				
	Valve Open Diff.	<u>18.5 PSI/41'</u>				
	Valve Open GPM	<u>28</u>				
	Final Dischg. Press.	<u>30.6</u>				
	Final Suction Press.	<u>12.0</u>				
	Final ΔP	<u>18.6</u>				
	Final GPM	<u>18.0</u>				
	Voltage $\begin{smallmatrix} T_1-T_2 & T_2-T_3 \\ T_3-T_1 \end{smallmatrix}$	<u>212/211/212</u>				
	Amperage $T_1 T_2 T_3$	<u>2.6/2.7/2.7</u>				

REMARKS: SET AT CIRCUIT SETTERTEST DATE JAN 2000 READINGS BY VPO

[illegible]

TEST DATE Nov 2000 READINGS BY VPD