

INVITATION TO BID BID NO. 9763 BACKFLOW DEVICES REBUILT AND/OR REPLACED FOR TROY SCHOOL DISTRICT

The Troy School District will receive firm, sealed bids for furnishing, delivering and installing Backflow Devices - Rebuilt and/or Replace as specified in accordance with local and state guidelines for Troy Schools..

Your proposal marked "**Backflow Devices**" must be delivered no later than 2 p.m., Tuesday, July 2, 2013, Purchasing Department, Troy School District, 1140 Rankin, Troy, Michigan 48083, at which time all bids will be publicly opened and read aloud immediately thereafter. Bid proposals received after this time will not be considered or accepted.

All questions regarding the bid specified, or the bid terms and conditions will be accepted in writing <u>ONLY</u> and subsequently answered through an addendum to all interested parties. Any questions must be received no later than noon, June 25, 2013, <u>at no other time</u> prior to the bid opening will questions/concerns be addressed or accepted and may be faxed to: 248.823.4077, or emailed as a Word document to: <u>PurchasingOffice@troy.k12.mi.us</u>.

The Troy Board of Education reserves the right to accept or reject any or all bids, either in whole or in part; to award contract to other than the low bidder; to waive any irregularities and/or informalities; and in general to make awards in any manner deemed to be in the best interest of the owner.

Purchasing Department Troy School District 1140 Rankin Troy, MI 48083

INSTRUCTIONS TO BIDDERS

PROPOSALS

- 1. The Troy School District will receive firm, sealed bids for furnishing, delivering and installing Backflow Devices- Rebuilt and/or Replaced for Troy Schools, in accordance with the attached specifications and local and state guidelines.
- 2. Proposals will be submitted only on the forms provided, will be enclosed in a sealed envelope marked with the name of the bidder, the title of the work and must be delivered to the Purchasing Department, Troy School District, 1140 Rankin, Troy, Michigan 48083, no later than 2 p.m., Tuesday, July 2, 2013, at which time all bids will be publicly opened and read aloud immediately thereafter. Bid proposals received after this time will not be considered or accepted. Oral, telephone, fax or electronic mail bids are invalid and will not receive consideration.
- 3. Proposals will be made in conformity with all the conditions set forth in the specifications. All items of furniture and equipment must conform to the specifications.
- 4. All questions regarding the bid specified, or the bid terms and conditions will be accepted in writing <u>ONLY</u> and subsequently answered through an addendum to all interested parties. Any questions must be received no later than noon, Tuesday, June 25, 2013, <u>at no other time</u> prior to the bid opening will questions/concerns be addressed or accepted and may be faxed to: 248.823.4077, or emailed as a Word document to: <u>PurchasingOffice@troy.k12.mi.us</u>.
- 5. References in the specifications to any article, product, material, fixture, form or type of construction, etc., by proprietary name, manufacturer, make or catalog number will be interpreted as establishing a standard quality of design and will not be construed as limiting proposals.
- 6. The Troy Board of Education reserves the right to accept or reject any or all proposals either in whole or in part; to waive any irregularities and/or informalities; and in general to make awards or cancel this proposal, if deemed to be in the best interests of the owner.
- 7. A completed Familial Disclosure form must be included with each proposal submitted of the proposal will not be accepted, please note this form must be notarized.

SCOPE

This specification includes furnishing, delivering and installing rebuilt and/or replacing Backflow Devices, in accordance with the attached specifications and with local and state guidelines for several school locations in the Troy School District.

TAXES

State and local sales and use taxes are not applicable and will not be included in the proposal.

CONTRACT AWARD

The contract will be awarded in the form of PURCHASE ORDERS mailed to the Vendor(s) selected. It is the intent to award the bid on July 9, 2013 at the regular monthly meeting of the Board of Education.

WITHDRAWAL OF BIDS

Any bidder may withdraw their bid at any time prior to the scheduled time for receipt of bids. No proposal may be withdrawn until after 45 days after bid opening.

DELIVERY

All shipments will be F.O.B. delivered, Troy School District, to each specific school location as detailed in the specification.

FIRM PRICING

Unit pricing will prevail when computing total quantity on bids. No price allowance or extra consideration on behalf of the bidder will subsequently be allowed by reason of error or oversight on the part of the bidder. The successful bidder(s) will hold bid prices firm for all purchase orders placed through June, 2014 or for a period of approximately one full year.

WARRANTY

All material and equipment will be guaranteed to be free from defects in both workmanship and materials for no less than one year from date of receipt/installation. If manufacturer warranty exceeds this minimum requirement, the manufacturer warranty will prevail. Any item(s) found to be defective will be replaced or repaired within seven working days at Vendor(s) expense.

PAYMENTS

Payment in full will be due and payable within thirty days after delivery, providing all goods are approved and accepted by the Board of Education and the contract having been fully performed.

MSDS

COPIES OF MATERIAL SAFETY DATA SHEETS FOR ALL HAZARDOUS MATERIALS MUST BE INCLUDED WITH YOUR INVOICE.

MATERIAL SAFETY DATA SHEETS

Troy Schools expects MATERIAL SAFETY DATA SHEETS for all appropriate materials ATTACHED TO THE INVOICE and to appropriately label all products delivered according to Section 14 of Act 154, of the Public Acts of 1974 as amended. Any appropriate products not labeled will be refused and the vendor will be responsible for additional freight charges. Payment may be withheld until MSDSs are received by the school district.

Troy School District Backflow Devices Rebuilt and/or Replaced Bid # 9763 Locations, Specifications & Backflow Test Reports

Baker Middle School 1359 Torpey Troy, MI 48083

A. Device: 4" WATTS 909 Serial #214142 - Rebuild - replacing the failed 1st check and relief valve, a copy of the Backflow Preventer Test Report is included below for reference.

Larson Middle School 2222 E. Long Lake Troy, MI 48085

- A. Device: 1 1/4" WATTS 009M2 Serial # 40282 Rebuild 1st check on RPZ and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.
- B. Non Testable Device: 4'' VIKING Detector Check Replace with new testable device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Leonard Elementary School 4401 Tallman Troy, MI 48085

- A. Device: 1" WATTS 009QT Serial # 38923 Rebuild relief valve on RPZ and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.
- B. Non Testable Device: 4'' WATTS 07F Serial # 93480 Detector Check Replace with new testable device and device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Maintenance & Operations Building 1140 Rankin Rd. Troy, MI 48083

A. Device: 1" FEBCO 765 Serial #61477- Replace -failed PVB device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Hamilton Elementary School 5625 Northfield Parkway Troy, MI 48098

A. Device: 2½" WATTS 700 Serial # 100168 Detector Check – Rebuild - failed detector check on device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Troy High School 4777 Northfield Parkway Troy, MI 48098

- A. Device: 2 ½'' WILKINS 575RP Serial # Z13918 Rebuild failed device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.
- B. Device: 6" AMES 2000SS Serial # M20132H0428 Detector Check Rebuild failed device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference
- C. Device: 2" FEBCO 765 Serial # AA4600 Rebuild failed PVB device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.
- D. Device: 2 ½" WILKINS 575RP Serial # 264 Rebuild failed RPZ device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Bemis Elementary 3571 Northfield Parkway Troy, MI 48084

A. Device: 2½" KENNEDY A2 Serial # 4D27(A) Detector Check – Rebuild - failed detector check on device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Boulan Park Middle School 3570 Northfield Parkway Troy, MI 48084

A. Non Testable Device: 4'' VIKING Detector Check – Replace - with new testable device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

International Academy 1291 Torpey Troy, MI 48083

A. Non Testable Device: 4" VIKING Detector Check – Replace - with new testable device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Barnard Elementary 3601 Forge Dr Troy, MI 48083

A. Device: 3/4" WILKINS 975 XL Serial # 2391403 RPZ – Rebuild- failed RPZ device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

Hill Elementary 4600 Forsyth Troy, MI 48085

A. Device: 1 1/2" FEBCO 825Y Serial # 250 RPZ – Rebuild - failed RPZ device and re-test upon completion, a copy of the Backflow Preventer Test Report is included below for reference.

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES THIS TEST REPORT IS DUE 5/31/2013 **BACKFLOW PREVENTER TEST REPORT TEST YEAR** 2013 Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 LAST TEST STATUS 248-524-3398 Desk 248-524-3520 Fax 248-524-3370 Ofc KAPCIAMR@TROYMI.GOV 00/00/00 R: 2013 01 16 Property Occupant TROY SCHOOLS-BAKER MIDDLE SCHOOL Contact Service Address 1359 TORPEY City TROY Suite St MI Office Phone No. (248) 823-4600 48083 **KEN MILLER** Contact TROY SCHOOLS-MAINTENANCE OPERATIONS Name Mailing Address 1140 RANKIN ST City TROY Zip State MI 48083-6003 Office Phone Nc (248) 823-4050 (248) 823-4051 Ext. E-Mail Address Assembly Make WATTS 214142 4.00 Model Serial No. Size Type RP CONTAINMENT FOR POTABLE WATER Orientation-Horizontal X Vertical Up Flow Application Vertical Down Flow SOUTH EAST MAIN MECHANICAL ROOM Location Height Above Floor or Ground Feet ALL PSID READINGS MUST BE RECORDED Verify Proper Installation Pass Fail First Test Date Pass Test Time /⊃45 AM PM X Supply Line Static Pressure 345 Model Serial () \$131160 Last Annual Certification Test Gauge Make Status of Shutoff During #1 Check #2 Check RP Relief Valve (RV) Valves During Test #1 #2 XI L Dripped Malfunction X Closed Tight 1st Opening REQUIRED #2 Check Drip Point Leaked 3 Hose Back Pressure Not Applicable Optional RV Flush REQUIRED #1 Check 2 Hose Direction of Flo Yes Νn Status of Shutoff Before After OPTIONAL #2 Check 2-Hose Optional RV Full Open Test #1 #2 #1 #2 Pass Fail Direction of Flow >> Valves On Valves Off [ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR Second Test Date Pass Fail Test Time AM 1 PM Supply Line Static Pressure Model Serial Test Gauge Make Last Annual Certification Status of Shutoff During #2 Check #1 Check RP Relief Valve (RV) Valves During Test #1 #2 C CLI Dripped Malfunction Closed Tight REQUIRED #2 Check 1st Opening Drip Point Leaked 3 Hose Back Pressure Not Applicable REQUIRED #1 Check Optional RV Flush XXXX2 Hose Direction of Flo No Status of Shutoff Before After OPTIONAL #2 Check 2-Hose Optional RV Full Open Tes #1 | #2 | #1 | #2 **Pass** Valves Direction of Flow >> Fail Valves On Valves Off

Periodic testing of backflow assemblies is required by the Michigan Plumbing Code and the State of Michigan DEQ to protect the water supply. There is no guarantee that this assembly will continue to operate because mechanical failure or contaminants in the water could cause the assembly to fail at any time.

Michigan Codes require owners, occupants, and agents to have all plumbing systems maintained in proper operating condition.

X117361

The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing.

City

MI Plumbing License #

Testing Co

Tester's Name

Backflow Cert #

Address

Phone 200-9/2

Plumbing Contractor License #

Tester Signature

Fax

Zip 483>0



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Faxed number of pages. QF

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Office Phone No.	Fax	Cell 🚰
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Tester and Gauge information.	NELYS End System Ment Of Sit	Phone 248-912-9973
Testing Company Source Ro	Bur City Won	State / I Zip (3)
Address 44200 Grand	Khon City VIII	Mich. Backflow Certification No. Of 136
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TEST REPORT DUE DATE TEST THE DEVICE IN THE MONTH DUE!

- BACKFLOW PREVENTER TEST REPORT

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ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES TROY SCHOOLS_FINDLEY 248-823-4050 Last Tester: THIS TEST REPORT IS DUE 5/31/2013

BACKFLOW PREVENTER TEST REPORT

oss Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928

TEST YEAR 2013 LAST TEST STATUS

	248-524-3398	Desk 248-52	4-3520 Fax @TROYMI.GOV	248-524-33	70 Ofc	PASS 04/27/09 (R: 2013_01_16
Property Occupant TROY	SCHOOLS-LEONAR		Contact				
	TALLMAN		Suite	City	TROY		St MI
Office Phone No.		Fax				Zip	48085
	and the second s	ang again ang ng pamananana <mark>a pama tanggal paga ng pama tan a pamatan a ban</mark>		N	EN MILLER)	
Contact TROY SCHOOLS-MAI			,	Name	State MI		3-6003
Mailing Address 1140 RAN		City TROY			State IVII	121p -1000	3-0003
Office Phone Nc (248) 82	23-4050 Ext.	Fax (248)	823-4051		_		
E-Mail Address							
Assembly Make WATTS	Model 009		Serial No. 3892		Size 1.0		
Application CHILLER			Orientation- Horizo			Vertical Dow	
Location MECHAN	IICAL ROOM - NORT	H SIDE OF BUILD	ING - MIDDLE	Heig	ht Above Floor	or Ground 4	Feet
Verify Proper Installation	Pass 😿 Fail	☐ ALL PSID	READINGS M	UST BE RE	CORDED		
verny i roper matanation	1 400 243 1 5						
First Test Date	5 - 15 - 13 Pa	ss 🗌 Fail 🔀 Te	st Time 2:00 AM		Supply Line	Static Pressure	%
Test Gauge Make Midwest		45 Se	erial (3 \$131/6	5 L	ast Annual Certif	ication 5/4	-13
Status of Shutoff During		Check #2 Check	RP Relief Valv				
Valves During Test #1 #2	C 🗴	I r L c M r L	Dripped Malfun	ction X			
	EQUIRED #2 Check X	XXX 6 .0	Drip Point	(C)			
	EQUIRED #1 Check	2 2 VVVV	Optional RV F				
	Hose Direction of Flo	, .) XXXX	Yes Optional RV Full C	No L			
Status of Shutoff Before Al Valves #1 #2 #1	fter OPTIONAL #2 Check			ail			
Valves On ☑ 🏖 🔼						HH	
Valves Off							
ALL FAILED ASSEMBLIE	ES MUST BE REPAIR	ED OR REPLACED	WITHIN 15 DAY	S BY A LICE	NSED PLUM	IBING CONTI	RACTOR
			<u> </u>				
Second Test Date				м рм		Static Pressur	
Test Gauge Make	Model		erial		ast Annual Certi	ification	-
Status of Shutoff During		Check #2 Check	RP Relief Val			1	
Valves During Test #1 #2	C [EQUIRED #2 Check	r C C L	Dripped Malfu 1st Opening	nction			
	Hose Back_Pressure	XXX .	Drip Point				
Not Applicable R	REQUIRED #1 Check	. XXXX	Optional RV				
	Hose Direction of Flo After OPTIONAL #2 Chec		Yes Optional RV Full (No			
W. 1 00 D.			Pass	Fail			
1 Valves # # # #	#2 Direction of Flo						
Valves On U	Direction of Flo					H	-
Valves On Valves Off						HH	
Valves On U				and the resu	Its were true		testing.
Valves On Valves Off	ove was tested in acc		cable standards a	and the resu	912-7773	Fax	
Valves On Valves Off The assembly listed about Testing Co	ove was tested in acc		Pho	and the resu	Its were true		
Valves On Valves Off The assembly listed about Testing Co	ove was tested in acc	ordance with applic	Pho	ne) 48-	912-7773	Fax	

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES THIS TEST REPORT IS DUE



Backflow Cert #

BACKFLOW PREVENTER TEST REPORT

TEST YEAR 2013 Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 LAST TEST STATUS 248-524-3520 Fax 248-524-3370 Ofc 248-524-3398 Desk KAPCIAMR@TROYMLGOV 00/00/00 R: 2013_01_16 Property Occupant TROY SCHOOLS-LEONARD ELEMENTARY Contact City TROY St MΙ Suite 4401 TALLMAN Service Address Zip 48085 Fax Office Phone No. Name KEN MILLER Contact TROY SCHOOLS-MAINTENANCE OPERATIONS City TROY State M1 Zip 48083-6003 Mailing Address 1140 RANKIN ST (248) 823-4051 Office Phone Nc (248) 823-4050 Ext. E-Mail Address Serial No. 93480 4.00 SCV Size 07F Assembly Make WATTS Model Vertical Up Flow X Vertical Down Flow Orientation- Horizontal FIRE SYSTEM Application MECHANICAL ROOM - NORTH SIDE OF BUILDING - MIDDLE Height Above Floor or Ground Location ALL PSID READINGS MUST BE RECORDED Has Fire Pump Fail Verify Proper Installation Pass Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly Before Test During Main Drain Flush After Flush AM PM Supply Line Static Pressure Pass Fail Test Time First Test Date Serial Last Annual Certification Model Test Gauge Make #1 Check During Status of Shutoff Valves During Test #1 #2 Max 2.0 for DC's & SCV's Closed Tight 3-Hose (BP) Back Pressure Test Leaked (PREFERRED) 2-Hose Not Applicable (DOF) Direction of Flow Status of Shutoff Before After Valves #1 #2 #1 #2 Fire Valves Locked After Test > Yes No Locks Valves On REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes No Drain Valves Off ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR VITO 35 1/4" Replacement Length Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly | Before Test During Main Drain Flush After Flush AM PM Supply Line Static Pressure Fail **Test Time** Second Test Date Pass Serial Last Annual Certification Model Test Gauge Make #1 Check During Status of Shutoff Max 2.0 for DC's & SCV's L Valves During Test #1 #2 Closed Tight 3-Hose (BP) Leaked Back Pressure Test (PREFERRED) 2-Hose Not Applicable (DOF) Direction of Flow Status of Shutoff Before After Valves #1 #2 #1 #2 Fire Valves Locked After Test > Yes Valves On REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes Valves Off The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing Fax Phone Testing Co Zip State City Address Tester Signature Tester's Name Plumbing Contractor License # MI Plumbing License #

DIFLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES

BACKFLOW PREVENTER TEST REPORT

THIS TEST REPORT IS DUE 5/31/2013

Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928

TEST YEAR 2013

	248-524-339		8-524-3520) Fax 24	248-524-3370 Ofc	LAST TEST	STATUS
Property Occupant TROY S	SCHOOLS-MAINT	FNENACE OPER	AMR@TROY	/MI.GOV		00/00	D/00 R: 2013_01_
Service Address 1140 R	ANKIN	ENERACE OF EN	AHUNS	Suite	ONDO BELARD	1	1
Office Phone No. (248) 82		Fax		Jouile	City TROY		St Mi
				Proceedings of the second		Zip 4	48 083-600
Contact TROY SCHOOLS-MAINT Mailing Address 1140 RANK	ENANCE OPERATION				Name KEN MIL	LLER	
Office Phone Nc (248) 823-		City TR			State	e MI Zip 48	8083-6003
E-Mail Address	-4050 Ext.	Fax (24	48) 823-40	151			
Assembly Make FEBCO	Model 768		Serial N	Vo. 61477	Size	1.00 Type	e PVB
	INKLER SYSTEM		Orientatio		Uprigh	1 1	Incorrect
Location OUTSIDE E	AST WALL					Floor or Ground	Feet
Verify Proper Installation	Pass X Fail		ID READ	INICS WITS.	T BE RECORD		
	44	<u> </u>	ID VEVE	INGS MIGS	BE KECOKDI	ED	
First Test Date	- 15 - 13 Pa	ass 🗌 Fail 🛣	Test Time	3 30 AM	OM Supply!	Lina Céntin Danner	
Test Gauge Make Mid Intes	7. 7.		Serial OS	77/1/2		Line Static Pressu	111
Status of Shutoff During			30,12, 5	21 31 160	Last Annual (Certification S -	
Valves During Test #1 #2 Closed Tight			1		Air Inlet C		
Closed Fight Leaked					1-Hose	1-Hose	е
Not Applicable			\dashv		PSID 2-Hose	PSID PSID	
Status of Shutoff Before After					Check	Valve Test PSID	
Valves #1 #2 #1 #2					REQUIRE	ED BackPressure	
Valves On					162101	f Assembly Piping	Fail
Valves Off 🔲 🔲 🦳						H H	
ALL FAILED ASSEMBLIES	VIUST BE REPAIR!	ED OR REPLACE	D WITHIN	15 DAYS BY	A LICENSED DI	THE PARTY OF THE	
Desa preds to	- har carlessa)		AALL FILLS	10 DATO DI	A LICENSED FL	-UMBING CONT	RACTOR
1/600 1000 3 10	DE COPICIFEI						
Second Test Date	Par	ass 🗌 Fail 🗍 T	est Time	AM F	PMT Supply I	ine Static Pressur	
est Gauge Make	Model		Serial	T W	Last Annual C		re
Status of Shutoff During			11			sure Vacuum B	
/alves During Test #1 #2					Air Inlet O		
Closed Tight Leaked			7		1-Hose	1-Hose	
Not Applicable					PSID 2-Hose	PSID Direction of Flow	•
0111 1/01 1/1 0 1] [Check \	Valve Test PSID	
Status of Shutoff Before After Valves #1 #2 #1 #2					REQUIRE	D BackPressure	
Valves On O			J		l est or /	Assembly Piping	Fail
Valves Off						HH	
The assembly listed above v	was tested in accor	rdance with applic	cable stan	ndards and th	ie results were tri	ue at the time of	tacting
esting Co				Phone	3,000,10	Fax	lesuriy.
ddress		City		111911	State		
ester's Name] ~			<u> </u>	Zip	
ackflow Cert #			lest	ter Signature			
acknow Cen #	MI Plumbing	License #		Plumbi	ing Contractor Lic	cense#	

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRA	ACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES
City	THIS TEST REPORT IS DUE 5/31/2013
BACKFLOW PREVENTE	R TEST REPORT TEST YEAR 2013
Cross Connection Control - 4693 Roch	ester Rd, Troy, MI 48085-4928 LAST TEST STATUS
248-524-3398 Desk 248-524-3520 KAPCIAMR@TROY	
Property Occupant TROY SCHOOLS-HAMILTON ELEMENTARY	Contact
Service Address 5625 NORTHFIELD PARKWAY	Suite City TROY St MI
Office Phone No. Fax	Zip 48098
Contact TROY SCHOOLS-MAINTENANCE OPERATIONS	Name KEN MILLER
Mailing Address 1140 RANKIN ST City TROY	State MI Zip 48083-6003
Office Phone Nc (248) 823-4050 Ext. Fax (248) 823-4	051
E-Mail Address	
Assembly Make WATTS Model 700 Serial	No. 7238 100168 Size 2.50 Type DC
7 (Sacrificity Mickey 117.17.)	tion- Horizontal X Vertical Up Flow Vertical Down Flow
Location WEST RECEIVING / METER ROOM	Height Above Floor or Ground 6 Feet
Verify Proper Installation Pass 🔀 Fail 🗌 ALL PSID REA	DINGS MUST BE RECORDED Has Fire Pump
Verify Proper Installation Pass X Fail ALL PSID REAL Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly	
First Test Date 5 - 16 - 13 Pass Fail & Test Time	Supply Line Static Pressure
Test Gauge Make Midwest Model 845 Serial O	S13/160 Last Annual Certification 5 - 14 - 13
Status of Shutoff During #1 Check #2 Check	
Valves During Test #1 #2 Max 2.0 for DC's & SCV's C L C L	
Closed Tight X 3-Hose (BP) Leaked Back Pressure Test	
Not Applicable (PREFERRED) 2-Hose (DOF) Direction of Flow	
Status of Shutoff Before After	
Valves #1 #2 #1 #2 Valves On X X X X	Fire Valves Locked After Test > Yes No No Locks
Valves On X X X A X Y X Y X Y X Y X Y X Y X Y X Y	
ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITH	IN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR
ALL FAILED ASSEMBLIES MOST BE REPAIRED OR REFEROLD WITH	III IO DATO DI A DIODICO DI COMPANO DI COMPA
Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly	y Before Test During Main Drain Flush After Flush
Second Test Date Pass - Fail - Test Tim	
Test Gauge Make Model Serial	Last Annual Certification
Status of Shutoff During #1 Check #2 Check Valves During Test #1 #2 Max 2.0 for DC's & SCV's C L C L	
Valves During Test #1 #2 Max 2.0 for DC's & SCV's C L C L C Closed Tight 3-Hose (BP)	
Leaked Back Pressure Test	
Not Applicable (PREFERRED) 2-Hose (DOF) Direction of Flow	
Status of Shutoff Before After	
Valves	Fire Valves Locked After Test > Yes No No Locks
Valves Off REQUIRED on Fire - Main Drain Test Perform	
The assembly listed above was tested in accordance with applicable s	standards and the results were true at the time of testing.
Testing Co Service Pro	Phone 248-713-977 Fax
Address 44300 Grad Pires City Nov	State Mt Zip 48375

MI Plumbing License #

Tester's Name

Backflow Cert # 3-13/

Tester Signature

Plumbing Contractor License #

UNLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES TROY SCHOOLS_FINDLEY 248-823-4050 THIS TEST REPORT IS DUE 5/31/2013 BACKFLOW PREVENTER TEST REPORT Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 LAST TEST STATUS

LAST TEST STATUS 248-524-3398 Desk 248-524-3520 Fax 248-524-3370 Ofc **PASS** KAPCIAMR@TROYMI.GOV 05/13/09 R. 2013_01_16 Property Occupant TROY SCHOOLS-TROY HIGH Contact Service Address 4777 NORTHFIELD PARKWAY Suite City TROY St MI Office Phone No. Fax 48098 Contact TROY SCHOOLS-MAINTENANCE OPERATIONS Name KEN MILLER Mailing Address 1140 RANKIN ST City TROY State MI Zip 48083-6003 Office Phone Nc (248) 823-4050 Ext. Fax (248) 823-4051 E-Mail Address **WILKINS** Assembly Make Model 575RP Serial No. Z13918 RP Size 2.50 Type **BOILER/CHILLER/COOLING TOWER** Application Orientation- Horizontal | X | Vertical Up Flow Vertical Down Flow Location BOILER CHILLER ROOM Height Above Floor or Ground Feet Verify Proper Installation ALL PSID READINGS MUST BE RECORDED **Pass** Fail **First Test Date** 13 Pass Fail Test Time 1:30 AM PM Supply Line Static Pressure Test Gauge Make Model Serial (55) 31160 Last Annual Certification -B During Status of Shutoff #1 Check #2 Check RP Relief Valve (RV) Valves During Test #1 #2 Dripped Malfunction X L Closed Tight X REQUIRED #2 Check 1st Opening Leaked [3 Hose Back Pressure **Drip Point** Not Applicable REQUIRED #1 Check Optional RV Flush 2_Hose Direction of Flo Yes No Status of Shutoff Before After OPTIONAL #2 Check 2-Hose Optional RV Full Open Valves #1 #2 #1 #2 Direction of Flow >> Pass Fall X **区** Valves On X Δ Valves Off \(\bar{\gamma}\) ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR Second Test Date Pass Fail Test Time AM PM Supply Line Static Pressure Test Gauge Make Model Serial Last Annual Certification Status of Shutoff During #1 Check #2 Check RP Relief Valve (RV) Valves During Test #1 #2 L Dripped Malfunction L Closed Tight REQUIRED #2 Check 1st Opening Leaked 3_Hose Back Pressure Drip Point Not Applicable REQUIRED #1 Check Optional RV Flush 2 Hose Direction of Flo Yes No Status of Shutoff Before After OPTIONAL #2 Check 2-Hose Optional RV Full Open 1 #1 #2 #1 #2 Valves Direction of Flow >> Pass Fail Valves On Valves Off The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing. 718-912-997 Fax Testing Co Phone Address Tester's Name Tester Signature Backflow Cert # (78 - 13K MI Plumbing License # > 117394 Plumbing Contractor License #

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES THIS TEST REPORT IS DUE BACKFLOW PREVENTER TEST REPORT TEST YEAR 2013 Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 LAST TEST STATUS 248-524-3520 Fax 248-524-3370 Ofc 248-524-3398 Desk KAPCIAMR@TROYMLGOV 00/00/00 Ft: 2013_01_16 Property Occupant TROY SCHOOLS-TROY HIGH Contact Service Address 4777 NORTHFIELD PARKWAY Suite City TROY St MI Office Phone No. Fax 48098 Zip Name KEN MILLER Contact TROY SCHOOLS-MAINTENANCE OPERATIONS Mailing Address 1140 RANKIN ST TROY State MI 48083-6003 Office Phone Nc (248) 823-4050 Fax (248) 823-4051 Ext. E-Mail Address Assembly Make AMES M20132H0428 Model 2000SS Serial No. Size 6.00 DC Type FIRE SYSTEM Orientation- Horizontal X Vertical Up Flow Vertical Down Flow Application BOILER CHILLER ROOM Height Above Floor or Ground Location ALL PSID READINGS MUST BE RECORDED Has Fire Pump ∇ Fail Verify Proper Installation Pass Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly | Before Testes | During Main Drain Flush Pass Fail Test Time AM PM Supply Line Static Pressure First Test Date 6-13 MIDWEST Model Serial (25/3)160 Last Annual Certification Test Gauge Make During #1 Check #2 Check Status of Shutoff Valves During Test #1 #2 Max 2.0 for DC's & SCV's LCXL CX Closed Tight 3-Hose (BP) (2)Leaked Back Pressure Test Not Applicable (PREFERRED) 2-Hose (DOF) Direction of Flow Status of Shutoff Before After #1 #2 #1 #2 Valves Valves On 🔀 Fire Valves Locked After Test > Yes No Locks Valves Off REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly During Main Drain Flush Before Test After Flush **Second Test Date** Fail AM PM Pass Test Time Supply Line Static Pressure Serial Test Gauge Make Model Last Annual Certification Status of Shutoff During #1 Check #2 Check Valves During Test #1 #2 Max 2.0 for DC's & SCV's Closed Tight 3-Hose (BP) Leaked Back_Pressure Test Not Applicable (PREFERRED) 2-Hose (DOF) Direction of Flow Status of Shutoff Before After Valves #1 #2 #1 #2 Valves On Fire Valves Locked After Test > Yes No Locks Valves Off REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing.

Tester Signature

Plumbing Contractor License #

City

MI Plumbing License #

Testing Co

Tester's Name

Backflow Cert #

Address

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES THIS TEST REPORT IS DUE 5/31/2013 BACKFLOW PREVENTER TEST REPORT TEST YEAR 2013 Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 LAST TEST STATUS 248-524-3520 Fax 248-524-3370 Ofc 248-524-3398 Desk KAPCIAMR@TROYMI.GOV 00/00/00 R: 2013_01_16 Contact Property Occupant TROY SCHOOLS-TROY HIGH City TROY 4777 NORTHFIELD PARKWAY Suite St Mi Service Address 48098 Fax Zip Office Phone No. Name KEN MILLER Contact TROY SCHOOLS-MAINTENANCE OPERATIONS City TROY State MI Zip 48083-6003 Mailing Address 1140 RANKIN ST Office Phone Nc (248) 823-4050 Fax (248) 823-4051 E-Mail Address 2.00 Type PVB Serial No. AA4600 Size Assembly Make FEBCO 765 Model Upright X Orientation-Incorrect LAWN SPRINKLER SYSTEM Application **OUTSIDE EAST WALL OF CONCESSION BUILDING** Height Above Floor or Ground Feet Location ALL PSID READINGS MUST BE RECORDED Fail Verify Proper Installation **Pass** Fail Test Time 200 AM PM **First Test Date** Pass Supply Line Static Pressure 840 Serial () S/ B/160 Last Annual Certification < - 14 Model Test Gauge Make Pressure Vacuum Breaker Status of Shutoff During Air Inlet O M Check C Valves During Test #1 #2 1-Hose 1-Hose Closed Tight PSID PSID Leaked 2-Hose Direction of Flow Not Applicable Check Valve Test PSID REQUIRED BackPressure Pass Status of Shutoff Before

Short / Missing lest por AM PM **Second Test Date** Fail Test Time Supply Line Static Pressure Pass Serial Last Annual Certification Model Test Gauge Make Pressure Vacuum Breaker Durina Status of Shutoff Air Inlet O M Check C L Valves During Test #1 #2 1-Hose 1-Hose Closed Tight PSID PSID Leaked 2-Hose Direction of Flow Not Applicable Check Valve Test PSID REQUIRED BackPressure Pass Status of Shutoff Before After Test of Assembly Piping #1 #2 #1 #2 Valves Valves On Valves Off The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing.

ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR

#1 #2 #1 #2

Valves

Testing Co

Tester's Name

Backflow Cert #

Address

Valves On Valves Off

Test of Assembly Piping

MI Plumbing License # \$112394

Nov

Phone

Tester Signature ⋝

Plumbing Contractor License #

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES THIS TEST REPORT IS DUE 5/31/2013 **BACKFLOW PREVENTER TEST REPORT** TEST YEAR 2013 Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 LAST TEST STATUS 248-524-3520 Fax 248-524-3370 Ofc 248-524-3398 Desk KAPCIAMR@TROYMI.GOV 00/00/00 R: 2013_G1_16 Property Occupant TROY SCHOOLS-TROY HIGH Contact Service Address 4777 NORTHFIELD PARKWAY Suite City TROY St MI Office Phone No. (248) 823-4000 Fax 48098-4799 Contact TROY SCHOOLS-MAINTENANCE OPERATIONS Name KEN MILLER Mailing Address 1140 RANKIN ST City TROY State MI Zip 48083-6003 Office Phone Nc (248) 823-4050 (248) 823-4051 Fax E-Mail Address Assembly Make WILKINS 575 ?-264 2.50 Type RP Model Serial No. Size Orientation- Horizontal X Vertical Up Flow Vertical Down Flow **POOL FILLER** Application POOL FILLER ROOM Location Height Above Floor or Ground Feet ALL PSID READINGS MUST BE RECORDED Verify Proper Installation Fail Pass **First Test Date** 5 - 16 - 13 Pass Fail Am Test Time 145 AM PM Supply Line Static Pressure 245 Mid 5951 Test Gauge Make Model Serial 65/3/160 Last Annual Certification -13 RP Relief Valve (RV) Status of Shutoff During #1 Check #2 Check Valves During Test #1 #2 Dripped Malfunction L Closed Tight REQUIRED #2 Check 1st Opening Leaked **Drip Point** 3 Hose Back Pressure Not Applicable REQUIRED #1 Check Optional RV Flush 2_Hose Direction of Flo Yes No Before After OPTIONAL #2 Check 2-Hose Optional RV Full Open Test Status of Shutoff #1 #2 #1 #2 Pass Fail Valves Direction of Flow >> Valves On Valves Off ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR THIS ASSEMBLY IS NOT NEEDED PROVIDING ALL PIPING DOWNSTREAM IS AIR GAPPED. Second Test Date AM□ PM[Test Time Pass Fail Supply Line Static Pressure Model Serial Last Annual Certification Test Gauge Make RP Relief Valve (RV) #2 Check Status of Shutoff During #1 Check Valves During Test #1 #2 Dripped Malfunction IC | L L Closed Tight 1st Opening REQUIRED #2 Check Drip Point Leaked 3 Hose Back Pressure Not Applicable REQUIRED #1 Check Optional RV Flush 2_Hose Direction of Flo Yes No Before After OPTIONAL #2 Check 2-Hose Optional RV Full Open Tes Status of Shutoff #1 #2 #1 #2 Pass Fail Valves Direction of Flow >> Valves On Valves Off The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing Phone 249 -912-9973 Testing Co 🧠 📆

Address 44360 g (cra) king City No.: State 1 Zip 483 75

Tester's Name Shain Jend Tester Signature

Backflow Cert # 08-136 MI Plumbing License # 81/3-374 Plumbing Contractor License #

Periodic testing of backflow assemblies is required by the Michigan Plumbing Code and the State of Michigan DEQ to protect the water supply. There is no

UNLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIE THIS TEST REPORT IS DUE 5/31/2013

BACKFLOW PREVENTER TEST REPORT

Cross Connection Control - 4693 Roc	ER TEST R	EPORT	TEST YEAR 2013
248-524-35 Desk 248-524-35	520 Fax '	y, MI 48085-4928 248-524-3370 Ofc	LAST TEST STATUS
Property Occupant TROY SCHOOLS-BEMIS ELEMENTARY	OYMI.GOV		00/00/00 R: 2013_01
Service Address 3571 NORTHFIELD PARKWAY	Contact		3073000 N. 2013_U1_
Office Phone No.	Suite	City TROY	St MI
Contact TROY SCHOOLS-MAINTENANCE OPERATIONS	A THE RESERVE TO SERVE THE PARTY OF THE PART	and the second s	Zip 48084-145
INTERIOR ADDRESS 1140 RANKIN CT		Name KEN MIL	
Office Phone No. (248) 823-4050 Evt		State	
E-Mail Address Ext. Fax (248) 823-	4051	1 3.0.0	MI Zip 48083-6003
Assembly Make KENNEDY Model A2			
Application FIRE SYSTEM Model A2 Serial	No. 4D27(A)	C:	
Location NORTH WEST RECEIVING ROOM		Size Vertical Up Flow	2.50 Type DC
Verify Proporting to the Control of		Height Above El	2000111000
Fire System Downstream (D)	DINGS MUST	PE PEOPE	D Has Fire Pump
Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly First Test Date C - 1/2 Poor Testing Fire Assembly	Before Test 9	DERECORDE	Has Fire Pump
Tail Mass Fail Mass Time	71.5	DIAM	Flush After Flush 0
Status of Shutoff During	5131160		e Static Pressure
valves During Test #1 #2 Max 2.0 for DC's & SCV's C L L C C L C C C C C C C C C C C C C		Last Annual Cer	diffication 5 = 14 13
Leaked Back Brown			7 7
(PREFERRED) 2-Hose			
Status of Shutoff Before After		<u> </u>	
Valves #1 #2 #11 #2		╣ ├──	
Valves On X Y V			
REQUIRED on Fire - Main Drain Took Barr	to verify all valve	ocked After Test > Yes	No No Locks
ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN	45 0 4 10	o dre felt open > Yes	No No Drain
ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN	15 DAYS BY A	LICENSED PLUM	BING CONTRACTOR
Fire System Downstream (Biggs VC			
Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly	Before Test	During Main C	
Test Gauge Make Pass Fail Test Time	AM PM	During Main Drain Flu	
Status of Shutoff During Serial		Last Annual Certific	Slatic Pressure
Classiff #1 #2 Max 2.0 for DC's & SCV's C L L TIC		T	auon
Leaked Back Back			
(PREFERRED) 2-Hose			
Status of Shutoff Before After			
Valves #1 #2 #1 #2			
Valves On Valves Off			
	verify all valves	ed After Test > Yes	No No Locks
The assembly listed above was tested in accordance with applicable standard directions of the standard	ards and the re	avit-	No No Drain
ddress 4430 Grand	Phone 249.	9/) agra	he time of testing.
City Nov	1. 110116 27 7 4	Fa	ıx
Main Jetol-		StaterI Zi	9833
Periodic testing of backflow assemblies is required by the All 1999	Signature	848	
Periodic testing of backflow assemblies is required by the Michigan Plumbling Code	Plumbing C	ontractor License	#

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSE



Testing Co 🤇

Tester's Name

BACKFLOW PREVENTER TEST REPORT

THIS TEST REPORT IS DUE **TEST YEAR**

State / Zip

Plumbing Contractor License #

LAST TEST STATUS Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 248-524-3370 Ofc 248-524-3520 Fax 248-524-3398 Desk 00/00/00 R 2013 C1 16 KAPCIAMR@TROYMI.GOV Property Occupant TROY SCHOOLS-BOULAN MIDDLE SCHOOL Contact MI City TROY St Suite 3570 NORTHFIELD PARKWAY Service Address 48084 Zip Fax Office Phone No. Name KEN MILLER Contact TROY SCHOOLS-MAINTENANCE OPERATIONS 48083-6003 State MI **TROY** Mailing Address 1140 RANKIN ST Citv Fax (248) 823-4051 Office Phone Nc (248) 823-4050 E-Mail Address Type DC 4.00 ?-232 Size Serial No. **A1** Model Assembly Make VIKING Orientation- Horizontal X Vertical Up Flow Vertical Down Flow FIRE SYSTEM Application Height Above Floor or Ground Feel SOUTH WEST METER ROOM Location ALL PSID READINGS MUST BE RECORDED | Has Fire Pump Fail **Pass** Verify Proper Installation Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly Before Test After Flush During Main Drain Flush Fail Test Time 400]ам□ РМ\́́і́І́ Supply Line Static Pressure **First Test Date** Pass Last Annual Certification Serial Model Test Gauge Make #2 Check #1 Check During Status of Shutoff CIL Max 2 0 for DC's & SCV's CILI Valves During Test #1 #2 3-Hose (BP) Closed Tight 子 Back Pressure Test Leaked (PREFERRED) 2-Hose Not Applicable (DOF) Direction of Flow After Status of Shutoff Before #1 #2 #1 #2 Valves No Locks Valves On X X \boxtimes REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes Valves Off ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR OBSOLETE ASSEMBLY. PLEASE BUDGET FOR FUTURE REPLACEMENT. During Main Drain Flush After Flush Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly Before Test Supply Line Static Pressure AM. PM Fail Test Time Pass Second Test Date Last Annual Certification Serial Model Test Gauge Make #2 Check #1 Check During Status of Shutoff Max 2.0 for DC's & SCV's L L Valves During Test #1 #2 3-Hose (BP) Closed Tight Back Pressure Test Leaked (PREFERRED) 2-Hose Not Applicable (DOF) Direction of Flow Status of Shutoff Before After Valves #1 #2 #1 #2 Fire Valves Locked After Test > Yes No Locks Valves On REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes Valves Off The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing

MI Plumbing License # \$1133e4

Tester Signature

ONLY LICENSED PLUMBERS WORKING FOR LICENSED PLUMBING CONTRACTORS ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES THIS TEST REPORT IS DUE 5/31/2013 BACKFLOW PREVENTER TEST REPORT 2013 TEST YEAR Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 LAST TEST STATUS 248-524-3520 Fax 248-524-3370 Ofc 248-524-3398 Desk 00/00/00 R: 2013 01 16 KAPCIAMR@TROYMI.GOV Property Occupant TROY SCHOOLS-INTERNATIONAL ACADEMY Contact MI St Suite City TROY 1291 TORPEY Service Address 48083-5400 Fax (248) 823-4600 Office Phone No. Name KEN MILLER Contact TROY SCHOOLS-MAINTENANCE OPERATIONS 48083-6003 State MI Zip City TROY Mailing Address 1140 RANKIN ST Fax (248) 823-4051 Office Phone Nc (248) 823-4050 Ext. E-Mail Address 4.00 Type SCV ?-252 Size UNKNOWN Serial No. VIKING Model Assembly Make Orientation- Horizontal X Vertical Up Flow Vertical Down Flow FIRE SYSTEM Application Height Above Floor or Ground CHILLER ROOM NEXT TO STAGE Location ALL PSID READINGS MUST BE RECORDED | Has Fire Pump Fail Pass Verify Proper Installation Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly Before Test During Main Drain Flush After Flush AM□ PM□ Supply Line Static Pressure Fail **Test Time First Test Date** Pass Serial Last Annual Certification Model Test Gauge Make #1 Check During Status of Shutoff Max 2.0 for DC's & SCV's C L Valves During Test #1 #2 Closed Tight 3-Hose (BP) Leaked Back Pressure Test Not Applicable (PREFERRED) 2-Hose (DOF) Direction of Flow Status of Shutoff Before After #1 #2 #1 #2 Valves No Locks Fire Valves Locked After Test > Yes Valves On REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes Valves Off ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITHIN 15 DAYS BY A LICENSED PLUMBING CONTRACTOR Fire System Downstream (Riser) Gauge Pressure When Testing Fire Assembly | Before Test During Main Drain Flush After Flush AM PM Supply Line Static Pressure Fail [Test Time **Second Test Date** Pass Serial Last Annual Certification Model Test Gauge Make #1 Check During Status of Shutoff Valves During Test #1 #2 Max 2.0 for DC's & SCV's L Closed Tight 3-Hose (BP) Back Pressure Test Leaked (PREFERRED) 2-Hose Not Applicable (DOF) Direction of Flow Status of Shutoff Before After #1 #2 #1 #2 Valves Fire Valves Locked After Test > Yes No No Locks

The assembly listed above was tested in accordance with applicable standards and the results were true at the time of testing Fax Phone Testing Co State Zip City Address Tester Signature Tester's Name Plumbing Contractor License # MI Plumbing License # Backflow Cert #

REQUIRED on Fire - Main Drain Test Performed to verify all valves are left open > Yes

Valves On

Valves Off



Last Tester: TROY SCHOOLS_FINDLEY

THIS TEST REPORT IS DUE

248-823-4050

BACKFLOW PREVENTER TEST REPORT

TEST YEAR

5/31/2013

Cross Connection Control - 4693 Rochester Rd, Troy, MI 48085-4928 248-524-3398 Desk 248-524-3520 Fax

248-524-3370 Ofc

LAST TEST STATUS

FAIL

KAPCIAMR@TRO	
Property Occupant TROY SCHOOLS-BARNARD ELEMENTARY	Contact
Service Address 3601 FORGE	Suite City TROY St MI
Office Phone No. Fax	Zip: 48083
Contact TROY SCHOOL & MAINTENANCE CONTACT	
Contact TROY SCHOOLS-MAINTENANCE OPERATIONS	Name KEN MILLER
Mailing Address 1140 RANKIN ST City TROY	State MI Zip 48083-6003
Office Phone No. (248) 823-4050 Ext. Fax (248) 823-4	1051
E-Mail Address	
Assembly Make WILKINS Model 975XL Serial	No. 2391403 Size 0.75 Type RP
Angle 1	Type IV
Location MECHANICAL ROOM NEXT TO THE MUSIC ROOM -	ation- Horizontal X Vertical Up Flow Vertical Down Flow
ECCAMON NEXT TO THE MIUSIC ROUM -	12' UP Height Above Floor or Ground 12 Feet
Verify Proper Installation Pass 🐰 Fail 🗌 ALL PSID REA	DINGS MUST BE RECORDED
First Test Date 5 -22-13 Pass X Fail Test Time	2/:/5 AM PMX Supply Line Static Pressure 82
	8 (1070 Last Annual Certification 08 - 01 - 12
	Relief Valve (RV)
	ed Malfunction
Closed Tight X REQUIRED #2 Check VVVV 1st	Opening Opening
	p Point .
	Optional RV Flush
	es No nai RV Full Open Test
Valves #1 #2 #1 #2 Direction of Flow >>	iss Fail
Valves On 🔀 🔀 🛪 Valves Off	
valves Off	
ALL FAILED ASSEMBLIES MUST BE REPAIRED OR REPLACED WITH	N 15 DAYS BY A LICENSED BLUMBING CONTRACTOR
	TO SATO STA EIGENOED TEOMBING CONTRACTOR
Second Test Date Pass Fail Test Time	
	AM PM Supply Line Static Pressure
Test Gauge Make Model Serial	Last Annual Certification -
Value Burier Z. i. value	Relief Valve (RV)
Valves During Test #1 #2 C L C L Drippe Closed Tight REQUIRED #2 Check COOK 1st C	
	Opening Depint
Not Applicable REQUIRED #1 Check	ptional RV Flush
2_Hose Direction of Flo . XXX Ye	es No
	nal RV Full Open Test
Valves	ss Fall
Valves Off	H H
The assembly listed above was tested in asserdance with applicable at	
The assembly listed above was tested in accordance with applicable st	
Testing Co Service Pro	Phone 2489129973 Fax 2489129925
Address 44300 Grand River Ave City Nov	I State MI Zip 48375
/	
Backflow Cert # 05 23 4 MI Plumbing License # 82213	
Page 10 of the Color of the Col	I Flumbing Contractor License #

THIS TEST REPORT IS DUE

5/31/2013

BACKFL BACKFL	OW PREVENTER	R TEST REPORT	TEST YEAR 2013
Cross Connection		ster Rd, Troy, MI 48085-4	928 LAST TEST STATUS
248-524-3398 Desi	248-524-3520		
TROV COULOUS UP A FLENCE	KAPCIAMR@TROY!		00/00/00 R: 2013_01_16
Property Occupant TROY SCHOOLS-HILL ELEME	NIARI	Contact Suite City TF	ROY St MI
Service Address 4600 FORSYTH	Fax	Suite City 11	Zip 48085-37 94
Office Phone No.	rax		Z.D 40003-37 34
Contact TROY SCHOOLS-MAINTENANCE OPERATIONS		Name K E	N MILLER
Mailing Address 1140 RANKIN ST	City TROY		State MI Zip 48083-6003
Office Phone Nc (248) 823-4050 Ext.	Fax (248) 823-40)51	
E-Mail Address			
FEDCO W. 11. 025V	Coriol N	lo. ?-250 Siz	ze 1.50 Type RP
Assembly Make FEBCO Model 825Y	Serial N Orientati	1.2	
Application BOILER Location MECHANICAL ROOM - SOUTH SII			Above Floor or Ground 10 Feet
Location MECHANICAL ROOM - SOUTH SI			
Verify Proper Installation Pass 🔀 Fail 🗌	ALL PSID READ	INGS MUST BE REC	ORDED
First Test Date 5 - 22 - 13 Pass			upply Line Static Pressure 55
Test Gauge Make WID WEST Model 845		741.04.00	Annual Certification
Status of Shutoff During #1 Chec		Relief Valve (RV)	
DECUMEN 40 OF THE	1610	Malfunction Dening	
Leaked 3 Hose Back Pressure	Drip	Point	
Not Applicable REQUIRED #1 Check 2 Hose Direction of Flo	XXXX OF	ptional RV Flush	
2_Hose Direction of Flo U.(Status of Shutoff Before After OPTIONAL #2 Check 2-Ho		nal RV Full Open Test	
Valves #1 #2 #1 #2 Direction of Flow >>	Pas		
Valves On 🗹 🔀 🗷 🗡			
Valves Off			
ALL FAILED ASSEMBLIES MUST BE REPAIRED O	R REPLACED WITHII	N 15 DAYS BY A LICENS	SED PLUMBING CONTRACTOR
First check failed. We	will quote	to rebuild de	vise & retest.
Company of the second of the s	an make grange grange and a second of the contract of		
Second Test Date Pass	Fail Test Time	AM PM S	supply Line Static Pressure
Test Gauge Make Model	Serial		Annual Certification
Status of Shutoff During #1 Chec		Relief Valve (RV)	
Valves During Test #1 #2 C L	C L Drippe	ed Malfunction Dening	
Closed Tight REQUIRED #2 Check XXX	V II	Point	
Not Applicable REQUIRED #1 Check	VVVV °	ptional RV Flush	
2_Hose Direction of Flo	XXXX Ye	es No nal RV Full Open Test	
Status of Shutoff Before After OPTIONAL #2 Check 2-Hi Valves #1 #2 #1 #2 Direction of Flow >>	. Pa		
Valves On U U			
Valves Off			
The assembly listed above was tested in accordar	nce with applicable st	andards and the results	were true at the time of testing.
Testing Co Service Pro		Phone 248-912	9973 Fax 248 9129975
Address 44300 Grand River	City Nova	Ī. S	State MI Zip 48375
,		ester Signature	n amak
Tester's Name 54m Ama+6 Backflow Cert # 05-234 MI Plumbing Lic	ense # \$12.132		
IBSCKNOW LED # VM C 659 WI FIDIO BOLIC	せいっき サート・カノフェライ		COLO, LIVOLION II



DUE: 2:00 p.m., July 2, 2013 **PROPOSAL:** BID NO. 9763 Backflow Devices

PROPOSAL FORM

We propose to furnish, deliver and install Backflow Devices - Rebuild and or Replace for Troy Schools in accordance with the specifications:						
	Grand Total \$					
BIDDER'SFIRM NAME						
ADDRESS						
CITY/STATE		_ ZIP				
TELEPHONE NUMBER	FAX #					
SIGNED BY	TITLE					
TYPED NAME	DATE					
E-MAIL ADDRESS						

SWORN AND NOTARIZED FAMILIAL DISCLOSURE STATEMENT

All Vendor/Contractor(s) submitting proposals must provide familial disclosure and attach this information to the proposal. The proposal will be accompanied by a sworn and notarized statement disclosing any familial relationship that exists between the owner or key employee of the vendor submitting a proposal and any member of the Troy School Board or the Troy School Superintendent. The District will not accept a proposal that does not include this sworn and notarized disclosure statement.

The members of Troy School Board are: Nancy Philippart, Todd Miletti, Paula Fleming, Ida Edmunds, Wendy Underwood, Gary Hauff and Karl Schmidt. The Troy Schools Superintendent is Dr. Barbara Fowler.

The following are the familial relationship(s):

Owner/Employee Name	Related to:	Relationship
l		
2		
3		
Attach additional pages if no		
There is no familial relationship th	•	-
Vendor/Contractor(s) submitting a proposal Schools Superintendent.		
NDIVIDUAL/FIRM NAME		
BY (SIGNATURE)		
PRINTED NAME AND TITLE		
Subscribed and sworn before me, this	_ Seal:	
lay of, 20, a Notary Pul	blic	
n and for County,	_	
(Signature) NOTARY PUBLIC		
My Commission expires		

CERTIFICATION OF COMPLIANCE – IRAN ECONOMIC SANCTIONS ACT

Michigan Public Act No. 517 of 2012

The undersigned, the owner, or authorized officer of the below-named Company, pursuant to the compliance certification requirement provided in Troy School District's Request For Proposal, the "RFP", hereby certifies, represents, and warrants that the Company and its officers, directors and employees, is not an "Iran Linked Business" within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the "Act"), and that in the event the Company is awarded a contract by Troy School District as a result of the aforementioned RFP, the Company is not and will not become an "Iran Linked Business" at any time during the course of performing any services under the contract.

The Company further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000.00 or two (2) times the amount of the contract or proposed contract for which the false certification was made, whichever is greater, the cost of Troy School District's investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date the it is determined that the person has submitted the false certification.

NAME OF COMPANY
NAME AND TITLE OF AUTHORIZED REPRESENTIVE
SIGNATURE
DATE

Acceptance of Proposal

The undersigned agrees to execute a Contract for work covered by this Proposal provided that he is notified of its acceptance within thirty days after the opening of the Proposal.

It is agreed that this bid will not be withdrawn until after forty-five (45) days after receipt of bids.

The undersigned affirms that the bid was developed without any collusion, undertaking, or agreement, either directly or indirectly, with any other bidder(s) to maintain the prices of indicated work or prevent any other bidder(s) from bidding the work.

BIDDER'S FIRM NAME			
BUSINESS ADDRESS			
TELEPHONE NUMBER			
FAX NUMBER			
BY (SIGNATURE)			
PRINTED NAME			
TITLE			
SIGNED THIS	DAY (OF	, 20
E-MAIL ADDRESS			

Troy School District Bid Tabulation BID 9763 - Backflow Devices Rebuilt and/or Replaced

Vendor	Total Cost
Cregger Mechanical Systems, Inc	* Incomplete Bid
Service Pro / Power Vac of Michigan * Incomplete Bid	\$ 29,090.00

Sent Invitations to Bid:

Boone & Darr Cregger Mechanical Systems, Inc. Cross Plumbing

Express Plumbing Heating & Mechanical

Nelson Brothers

Patroit Plumbing Inc.

Paul C. Scott

Power Vac of Michigan

Precision Plumbing, Inc

Thornton & Grooms