

Brick

Permit Without a Jacket

Permit Number 7568

Construction Permit # 7568

6-18-86

19

Owner Foodtown

Location Route 70

Block 702 Lot 30

Contractor Allied Fire & Safety

Fee \$ 45.00 Use Back flow for sprinkler system

BUILDING SUB-CODE INSPECTIONS

Footing Trench
Foundation
Slab
Sheathing
Framing
Insulation
Sheet Rock
Plumbing
Fire Inspection
Final
C.O. Issued

PLUMBING SUB-CODE INSPECTIONS

Slab
Rough
Septic/Sewer
Water
Final
Electrical Final

VIOLATIONS

Use reverse side for additional remarks

TOWNSHIP OF BRICK



CONSTRUCTION PERMIT

PERMIT NO. 7568
 DATE ISSUED 6-18-86
 Block 702 Lot 30
 Subdivision _____

A. IDENTIFICATION

Owner FOOTLOAN Agent Allied Fire & Safety
 Address Rt. 70 Address Safety
Brick, N.J.
 Tel. (____) _____ Tel. (____) _____
 Work Site Address _____ Lic. No. _____
Adm. Federal Emp. No. _____

PAYMENTS

Permit Fee \$ 45.00
 Fees Remitted \$ 00
☒ Check No. 251
☒ Cash 20
☐ Other _____
 Collected By: Palo
 Date: 6-18-86

is hereby granted permission
 to perform the following work:

- ☐ BUILDING ☐ ELECTRICAL
☒ PLUMBING ☐ FIRE PROTECTION
☐ OTHER _____

Description of work:

*reduced pressure
 back flow for
 sprinkler syst.*

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases
 for a period of six (6) months, this permit is void.

Estimated Cost of Work: \$ 12,000. A. J. Cery
 CONSTRUCTION OFFICIAL

TOWNSHIP OF BRICK

NOTICE OF
PERMIT UPDATE

PERMIT NO. 7568
 UPDATE
 DATE ISSUED 4-6-88
 Block 702 Lot 30
 Subdivision _____

IDENTIFICATION

Owner FoodtownAgent Allied FireAddress Rt 70Address v. SafetyBrick, NJ

Tel. () _____

Tel. () _____

Work Site Address _____

Lic. No. _____

Same

Federal Emp. No. _____

PAYMENTS

Permit Fee \$ _____

Fees Remitted \$ _____

☐ Check No. _____☐ Cash _____☐ Other _____

Collected By: _____

Date: _____

is hereby granted permission
to perform the following work:

☐ BUILDING ☐ ELECTRICAL☒ PLUMBING ☒ FIRE PROTECTION☐ OTHER extend 8" main

Description of work:

Reduced pressure
back flow for
sprinkler system

Estimated Cost of Work: \$ 12000.

A. J. Cery
 CONSTRUCTION OFFICIAL

JUL 10/86

CONSTRUCTION PERMIT APPLICATION

BRICK TOWNSHIP, NEW JERSEY

BUILDING IMPORTANT — Complete ALL items. Mark boxes where applicable

1. LOCATION OF BUILDING	Number and street <i>Food Town Rt 70 Brick</i>	Section <i>702</i>	Block <i>30</i>
	N S	N S	
	E W side of feet E W from intersection of (Other local geographic, political, or legal subdivision identification)		

II. TYPE AND COST OF BUILDING — All applicants complete Parts A-D

A. TYPE OF IMPROVEMENT

- 1 ☐ New buildings
 2 ☐ Addition (If residential, enter number of new housing units added, if any, in Part D, 13)
 3 ☐ Alteration (See 2 above)
 4 ☐ Repair, replacement
 5 ☐ Demolition
 6 ☐ Moving (relocation)
 7 ☒ Garage
 ☐ Swim Pool ☐ in ☐ out
 ☐ Fence

D. PROPOSED USE — For "Wrecking" most recent use

Residential

- 12 ☐ One family
 13 ☐ Two or more family — Enter number of units
 14 ☐ Transient hotel, motel, or dormitory — Enter number of units
 15 ☐ Garage
 16 ☐ Carport
 17 ☐ Other — Specify

Nonresidential

- 18 ☐ Amusement, recreational
 19 ☐ Church, other religious
 20 ☐ Industrial
 21 ☐ Parking garage
 22 ☐ Service station, repair garage
 23 ☐ Hospital, institutional
 24 ☐ Office, bank, professional
 25 ☐ Public utility
 26 ☐ School, library, other educational
 27 ☒ Stores, mercantile
 28 ☐ Tanks, towers
 29 ☐ Other - Specify

B. OWNERSHIP

- 8 ☒ Private (individual, corporation, nonprofit institution, etc.)
 9 ☐ Public (Federal, State, or local government)

C. COST

10. Cost of improvement *12,000* ✓ \$
 To be installed but not included in the above cost
 a. Electrical (# Fixtures, Outlets)
 b. Plumbing (# of Fixtures)
 c. Heating, air conditioning
 d. Other (elevator, etc.)

(Omit cents)

Nonresidential — Describe in detail proposed use of buildings, e.g., food processing plant, machine shop, laundry building at hospital, elementary school, secondary school, college, parochial school, parking garage for department store, rental office building, office building at industrial plant. If use of existing building is being changed, enter proposed use.

11. TOTAL COST OF IMPROVEMENT \$

III. SELECTED CHARACTERISTICS OF BUILDING —

For new buildings and additions, complete Parts E-I; for wrecking, complete only Part H, for all others skip to IV.

E. PRINCIPAL TYPE OF FRAME ☐ Masonry (wall bearing) ☐ Wood frame ☐ Structural steel ☐ Reinforced concrete ☐ Other - Specify	H. DIMENSIONS Number of stories Total square feet of floor area, all floors, based on exterior dimensions Total land area, sq. ft.	FEE COMPUTATIONS VOLUME OF BUILDING BUILDING SUB CODE ELECTRICAL CODE PLUMBING CODE PLAN REVIEW CERTIFICATE OF <i>approval</i> SECURITY STATE TRAINING FUND CONSTRUCTION PERMIT FEE	
	F. TYPE OF HEATING SYSTEM Specify Air Cond. Yes ☐ No ☐	1. RESIDENTIAL BUILDING ONLY Number of bedrooms Number of bathrooms { Full Partial	
G. TYPE OF SEWERAGE DISPOSAL ☐ Public ☐ Individual			25. — 20. — 45. —

SEE REVERSE

7508

25. check
20. cash

SUB CONTRACTORS

NAME	TRADE	ADDRESS	ZIP CODE	PHONE #
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				

PERSON TO BE IN CHARGE OF CONSTRUCTION

NAME ALLIED Fire & Safety - Ed King
 ADDRESS 381 Hwy 35 Red Bank N.J. 07701

IV. IDENTIFICATION — To be completed by all applicants

	Name	Mailing address — Number, street, city, and State	ZIP code	Tel. No.
1. Owner Agent	<u>Foot Taper</u> <u>ALLIED Fire & Safety</u>	<u>Route 70 Back NJ</u>	<u>08224</u>	
2. Contractor	<u>ALLIED Fire & Safety</u>	<u>381 Hwy 35 Red Bank N.J.</u>	<u>07701</u>	<u>741-2113</u>
3. Architects				

The owner of this building and the undersigned agree to conform to all applicable laws of Township of Brick and that all required state, county and local prior approvals have been given.

Signature of applicant _____ Address _____ Application date _____

DO NOT WRITE IN THIS SPACE — FOR OFFICE USE ONLY

Approved by Arly J. [Signature] Date permit issued 6-18-86 Permit Number 7568

I agree to construct said building in conformity with the plans and specifications filed with the Construction Official and in compliance with the provisions of the Building Code whether shown on plans or not.

TOWNSHIP OF BRICK



PLUMBING SUBCODE TECHNICAL SECTION



PERMIT NO. 7568
DATE ISSUED 6-18-86
REVISION DATE _____
Block 202 Lot 30
Subdivision _____

A. IDENTIFICATION

APPLICANT - *Complete unshaded areas only* When changing contractors, notify this office

Owner Footman Contractor ALVED FIRE SAFETY
Address ROUTE 70 Address 361 Hwy A 35
BRICK N.J. 08724 RED BOX B-S 07701
Tel. (201) 741-2113 Tel. (201) 741-2113
Work Site Address Same Lic. No./Bus. Permit _____
Federal Emp. No. _____

CERTIFICATION IN LIEU OF OATH:
(Complete for Minor Work and Small Job Only)
I hereby certify that the proposed work is authorized by the owner of record and I have been authorized by the owner to make this application as his agent.
AGENT SIGNATURE _____

B. TECHNICAL SITE DATA

List all fixtures
TYPE OF WORK:

No.	Fixture	Fee	No.	Fixture	Fee	Fee
	Water Closet/Bidet/Urinal	\$		Garbage Disposal	\$	COLUMN 1
	Bath tub			Air Conditioner Unit		COLUMN 2
	Lavatory/Sink			Indirect Connection		SUBTOTAL \$
	Shower/Floor Drain			Sewer Ejector		Minimum Plumbing Fee
	Washing Machine			Grease Trap		(If applicable)
	Dishwasher			Interceptor		Total Plumbing Fee
	Commercial Dishwasher			Backflow Device		(Greater of Minimum
	Water Heater			Reduced Pressure		or Subtotal)
	Domestic Boiler/Furnace			Backflow Device		
	Steam Boiler			Vent Stack		
	Water Util. Connection			Solar System		
	Sewer Util. Connection			Other		
	Hose Bibb			Other		
	Water Cooler			Other		
COLUMN 1		\$	COLUMN 2		\$	

C. PLUMBING CHARACTERISTICS

USE GROUP: _____ Present _____ Proposed _____

Drainage - Material _____ Size _____

Building Sewer - Material _____ Size _____

Water Service - Material _____ Size _____

Venting - Material _____ Size _____

Estimated Cost of Plumbing Work: \$ _____

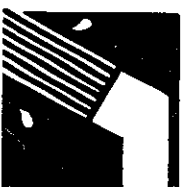
D. COMMENTS

☐ Partial Releases ☐ Prototype Processing

TOWNSHIP OF BRICK



PLUMBING SUBCODE TECHNICAL SECTION



PERMIT NO. 7168
 DATE ISSUED 1-20-83
 REVISION DATE 1-20-83
 Block 207 Lot 30
 Subdivision 742

A. IDENTIFICATION

APPLICANT - Complete unshaded areas only

When changing contractors, notify this office

Owner Footman
 Address Route 70
Box O.J. 08724
 Tel. () 301 741-2113

Contractor ALFRED F. REASEN
 Address 381 H. O. 7A 35
KED BOX O.J. 07701
 Tel. () 301 741-2113

Work Site Address Same
 Lic. No./Bus. Permit
 Federal Emp. No.

CERTIFICATION IN LIEU OF OATH:
 (Complete for Minor Work and Small Job Only) .

I hereby certify that the proposed work is authorized by the owner of record and I have been authorized by the owner to make this application as his agent.

AGENT SIGNATURE [Signature]

B. TECHNICAL SITE DATA

List all fixtures

TYPE OF WORK:

No.	Fixture	Fee	No.	Fixture	Fee	Fee
	Water Closet/Bidet/Urinal	\$		Garbage Disposal	\$	COLUMN 1
	Bathtub			Air Conditioner Unit		COLUMN 2
	Lavatory/Sink			Indirect Connection		SUBTOTAL \$
	Shower/Floor Drain			Sewer Ejector		Minimum Plumbing Fee
	Washing Machine			Grease Trap		(If applicable)
	Dishwasher			Interceptor		Total Plumbing Fee
	Commercial Dishwasher			Backflow Device		(Greater of Minimum
	Water Heater			Reduced Pressure		or Subtotal)
	Domestic Boiler/			Backflow Device		
	Furnace			Vent Stack		
	Steam Boiler			Solar System		
	Water Util. Connection			Other		
	Sewer Util. Connection			Other		
	Hose Bibb			Other		
	Water Cooler			Other		
	COLUMN 1	\$		COLUMN 2	\$	

C. PLUMBING CHARACTERISTICS

USE GROUP: Present Proposed

Drainage - Material Size

Building Sewer - Material Size

Water Service - Material Size

Venting - Material Size

Estimated Cost of Plumbing Work: \$

D. COMMENTS

☐ Partial Releases ☐ Prototype Processing

PLAN REVIEW AND INSPECTION - PLUMBING

DATE _____

JOB CONDITION/COMMENTS[illegible]

JOB SUMMARY

INSPECTIONS

- ☐ No Plans Required
☐ Plan Review Approved

Date: _____

Approved By: _____

INSPECTIONS FINAL

CO ☒ CCO ☐ CA ☐

Date: 6-6-88

Inspected By: [Signature]

U.C.C. Form F-130 (8/83)

**ALLIED FIRE & SAFETY
EQUIP. CO., INC.**

P.O. Box 8189 • 381 Hwy. 35
RED BANK, NEW JERSEY 07701

(201) 741-2113

LETTER OF TRANSMITTAL

TO Township of BRICKTOWN.
Chambers bridge RD.
PLUMBING INSPECTION DEPT.

DATE <u>6-17-86</u>	JOB NO. <u>FOODTOWN - RT 70</u>
ATTENTION <u>PLUMBING DEPT</u>	
RE: <u>MANUFACTURERS DATA ON</u>	
<u>REDUCED PRESSURE</u>	
<u>BACKFLOW PREVENTOR</u>	
<u>INSTALLATION.</u>	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☒ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
<u>2</u>	<u>6-17-86</u>		<u>MANUFACTURERS DATA SHEETS</u>

THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☒ Return 1 corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS ONE COPY FOR APPROVALS ONE COPY FOR YOUR
PERMANENT FILES
APPLICATION -
25.00 PERMIT FEE. : ENCLOSED.

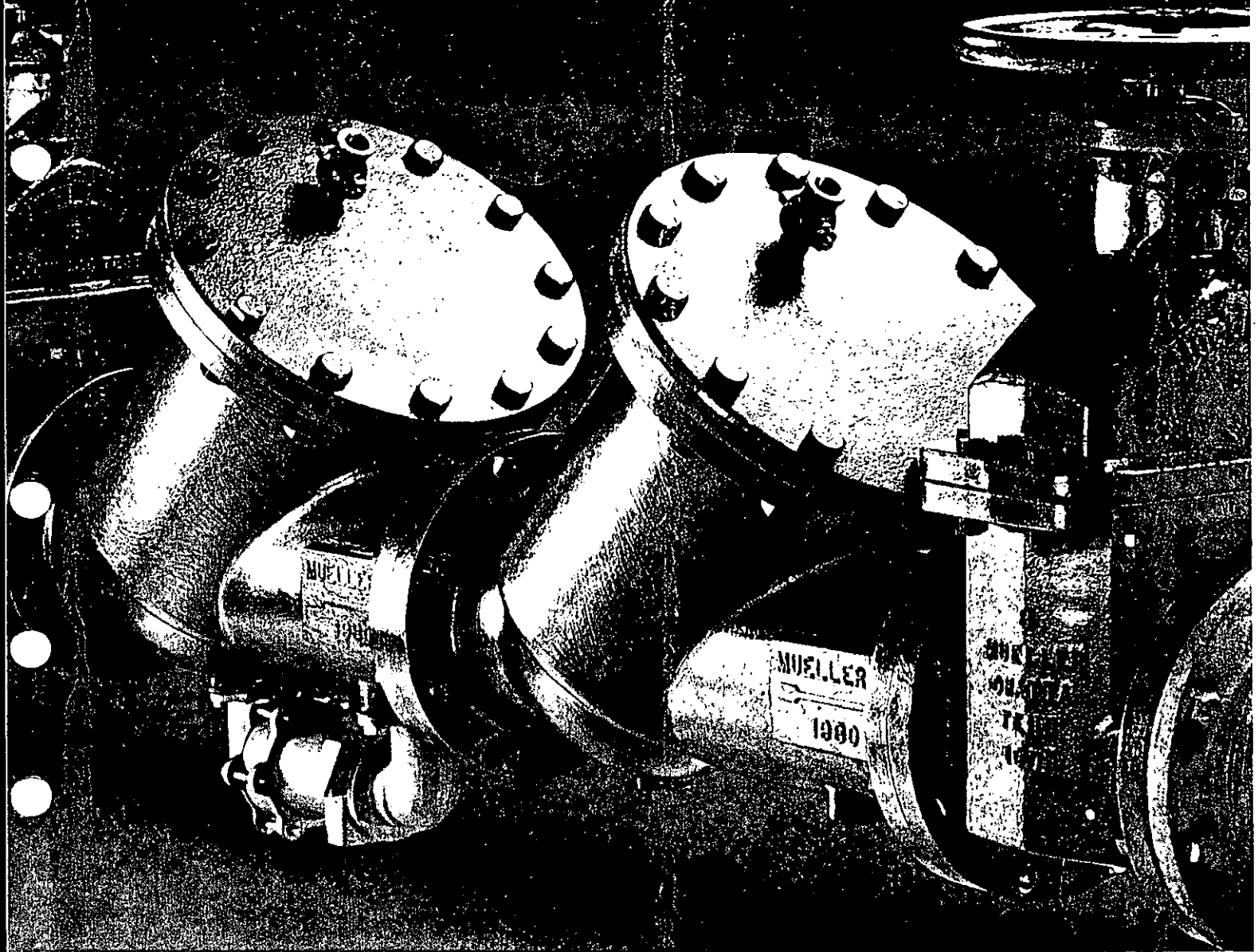
COPY TO FILE

SIGNED: PETER F. WESTGATE

**MUELLER® REDUCED PRESSURE
BACKFLOW PREVENTERS**

Effective protection against backpressure and backsiphonage

All-Mueller Reduced Pressure Backflow Preventer with
Mueller Test Stops and Mueller Resilient Seat Gate Valves
installed as inlet/outlet shutoffs. Also available without
relief valve as Mueller Double Check Backflow Preventer.



For each Mueller® Reduced Pressure and Double Check Backflow Preventer

Each Mueller backflow preventer device is "field tested" in the plant according to the recommendations of the Foundation for Cross-Connection Control and Hydraulic Research of the University of Southern California for field testing. Mueller performs the same tests the customer is required to perform in the field upon installation of the unit and provides a Certificate of Testing with each device shipped showing test results at the factory. This provides the customer with extra assurance the unit will pass the field test which he must perform after installation.

Mueller Reduced Pressure and Double Check Backflow Preventer devices have been structurally tested at 350 psi (1207 kPa) water pressure for a working pressure of 175 psi (2413 kPa).

**UL®
CLASSIFIED**

CERTIFICATION of TESTING	
MUELLER® H-9505 Double Check Backflow Preventers	
TESTING:	First Check Sealing Against Reverse Flow <u>Good</u>
	Second Check Sealing Against Reverse Flow <u>Good</u>
	Serial Number of Unit <u>014118425</u>
	Tester: <u>0262</u>
	Inspector: <u>W.D. R. M. J.</u>

CERTIFICATION of TESTING	
MUELLER® H-9506 Reduced Pressure Backflow Preventer	
Factory Tested Per Required Field Testing Procedures For Backflow Preventers	
TESTING:	Opening Differential of Relief Valve <u>3.0</u> psi
	Differential Across First Check Valve <u>6.7</u> psi
	Second Check Valve Sealing Against Reverse Flow <u>Good</u>
	Serial Number of Unit <u>016128406</u>
	Tester: <u>0262</u>
	Inspector: <u>W.D. R. M. J.</u>

The full line of Mueller products is available from distributors and representatives across the country. For the source nearest you, contact one of our District Service Centers, as listed below.



MAIN OFFICE — Decatur, IL (217) 423-4471
CANADA — Mueller Canada Inc., Milton Ontario (416) 878-0541
DISTRICT SERVICE CENTERS — Atlanta, GA (404) 256-2340,
Avon, CT (203) 674-0863, Dallas, TX (214) 934-1137,
Overland Park, KS (913) 451-1745, Irvine, CA (714) 261-6030

**ALLIED FIRE & SAFETY
EQUIP. CO., INC.**

P.O. Box 8189 • 381 Hwy. 35
RED BANK, NEW JERSEY 07701

(201) 741-2113

LETTER OF TRANSMITTAL

DATE 2-29-88	JOB NO.
ATTENTION Mr. Metcalf	
RE: Foodtown - Back	
Blount 702 - Lot 30	
Permit # 7568	

TO Township of Bricktown
Chambersbridge Rd
Brick NJ 08724

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☒ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2			Specs Ames Backflow Preventor

RECEIVED

MAR 2 1988

DIV. OF INSPECTION

THESE ARE TRANSMITTED as checked below:

- ☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

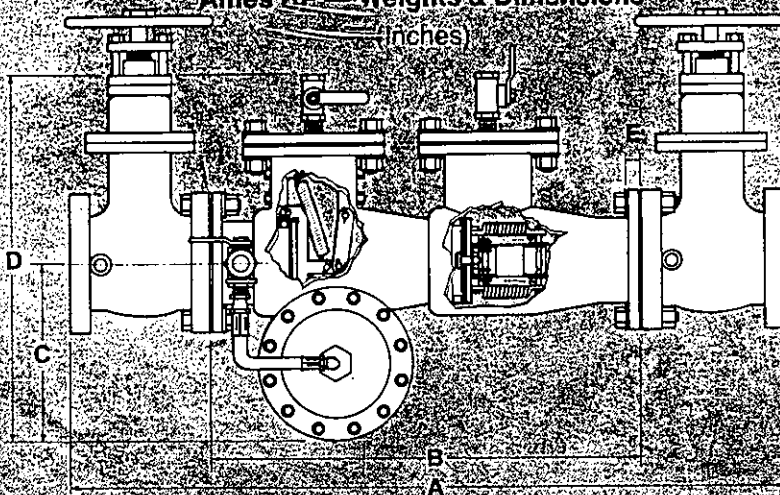
As per our telephone conversation
Enclosed are copies of Backflow Preventor
we will use

COPY TO _____

SIGNED _____

Ames RP — Weights & Dimensions

(Inches)

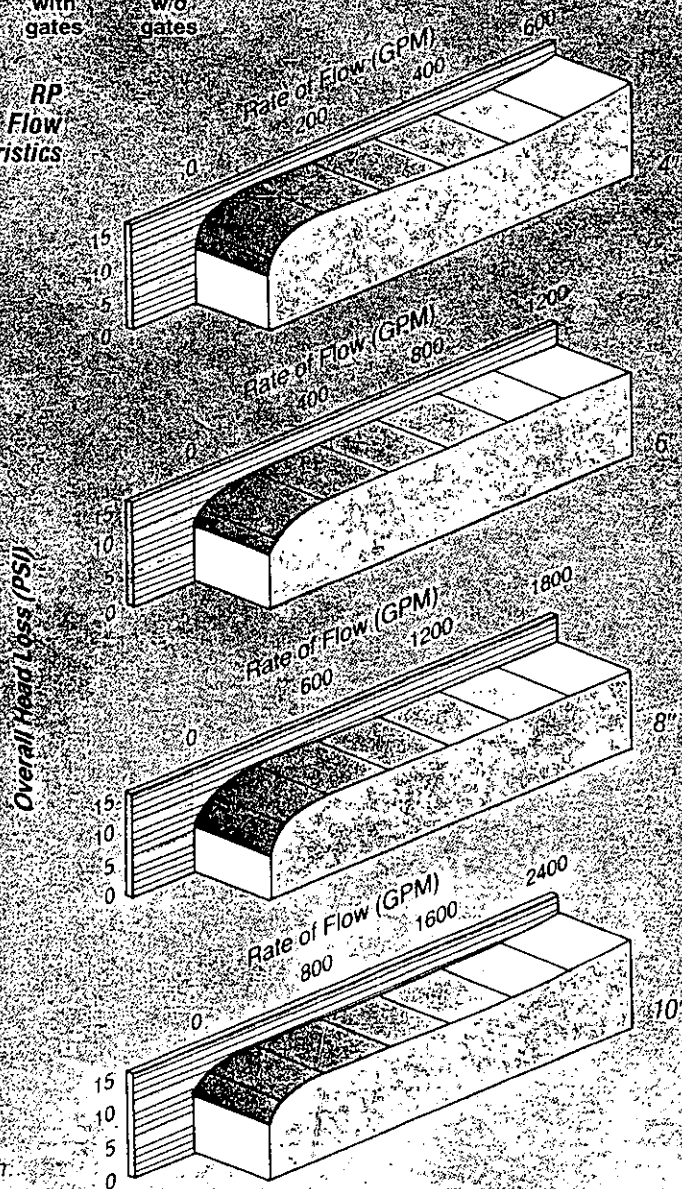


Size	A	B	C	D	E	Width	NET WT. with gates	NET WT. w/o gates
4"	45½	27½	9½	23⅞	⅝	18	384 lbs.	148 lbs.
6"	58⅞	37⅞	10½	25½	1⅞	20	557 lbs.	205 lbs.
8"	68¾	45¾	12	27	1⅞	22.5	923 lbs.	389 lbs.
10"	68¾	45¾	12	27	1⅞	25	1323 lbs.	409 lbs.

with
gates

w/o
gates

RP Flow Characteristics



The Ames RP is designed to provide maximum protection to the potable water supply from backflow or backsiphonage when a cross connection exists.

The Ames assembly consists of two independently operated, spring loaded, straight flow, check valves with a hydraulically operated differential pressure relief valve connected between the check valves. Inlet and outlet resilient wedge shut-off valves available on request.

When normal flow exists, both check valves are open and the pressure in the area between the checks, called the zone, is at least 2 PSI lower than the inlet pressure. The differential pressure relief valve is closed during normal flow.

If cessation of normal flow occurs, the differential pressure relief valve will automatically open and discharge to maintain the zone at least 2 PSI lower than the inlet pressure.

Economical..

AMES GUARD® Fusion Bonded Epoxy internally and externally.

One piece body design.

Stainless steel internal parts.

Removable bronze seat.

Maximum flow at a low head loss.

Light weight heavy-duty steel body design.

Easiest in-line maintenance available in industry.

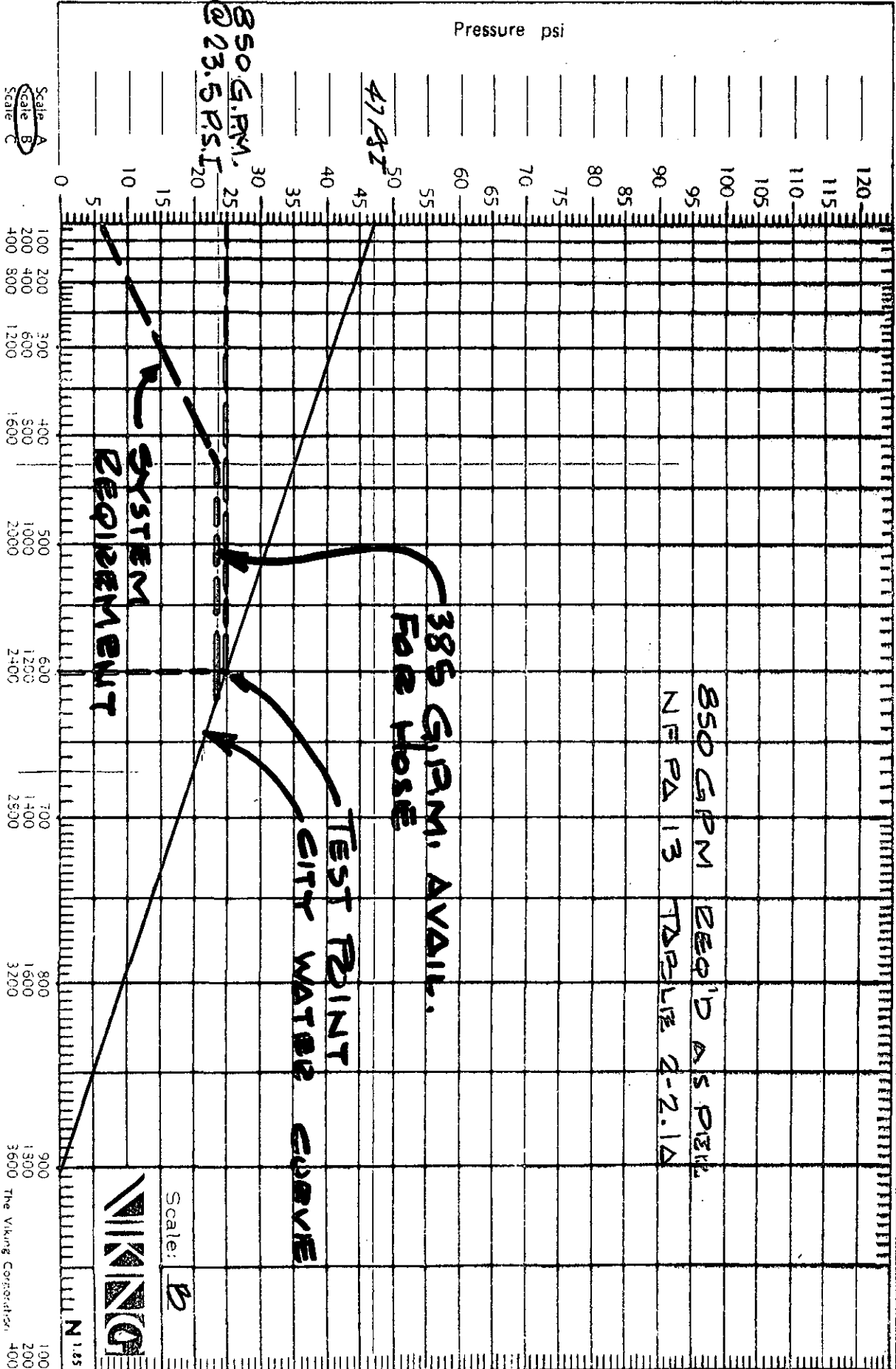
175 PSI Working pressure.

*NATIONAL APPROVALS — ASSE, AWWA C-506 UL, FM

*Contact Factory for sizes.

WATER FLOW TEST SUMMARY SHEET

Hydrant No.	Outlet I.D. inches	Pitot Press. psi	Flow gpm	Residual psi	Date: 3-27-86	Time:	Cont. No.
1	—	—	1200	25 PSI	Cont. Name: FRODTOWN		
2	—	—			Address: ROUTE 70 REBICKTOWN		
3	—	—					
Total Flow				1200	Static Press: 47 PSI	Flow @ 20 psi	1340 gpm



123.4 PSI

FILE COPY

THE BRICK TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY

1551 HIGHWAY 88 WEST
BRICK, NEW JERSEY 08724

PHONE: (201) 458-7000

March 31, 1986

Allied Fire & Safety, Inc.
381 State Highway 35
Middletown, N.J. 07748

Subject: Foodtown
Route 70, Brick Township

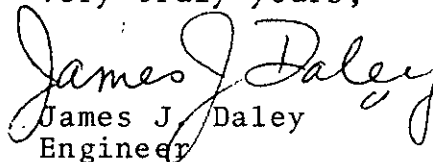
Gentlemen:

A hydrant test conducted on March 27, 1986 at the last hydrant on Salmon Street indicated the following:

1. Static Pressure - 47 psi.
2. Flow - 1200 GPM
3. Residual Pressure - on hydrant at intersection of
Pier and East Eel (with flows at 1200 GPM) - 25 psi.

We trust this information meets your needs.

Very truly yours,

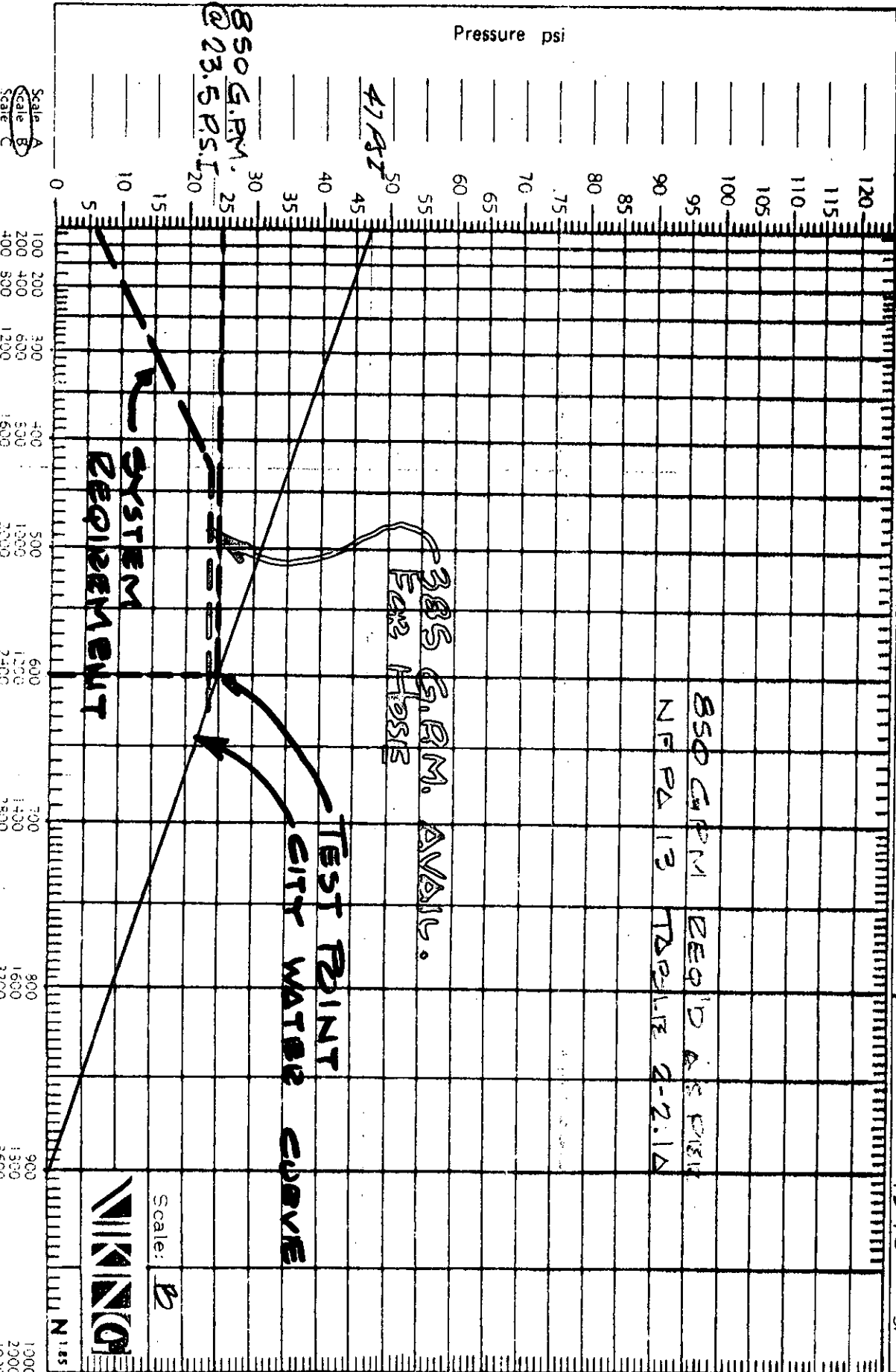

James J. Daley
Engineer

JJD/als

cc: Account No. K756100
K756003.

WATER FLOW TEST SUMMARY SHEET

Hydrant No.	Outlet I.D. inches	Pilot Press. psi	Flow gpm	Residual psi	Date: 3-27-86	Time:	Cont. No.
1	—	—	1200	25 PSI	Cont. Name: FOODTOWN		
2	—	—	—	—	Address: ROUTE 70 ROCKTOWN		
3	—	—	—	—	Static Press: 47 PSI Flow @ 20 psi 1340 gpm		
Total Flow				1200			



THE BRICK TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY

1551 HIGHWAY 18 WEST
BRICK, NEW JERSEY 08724

PHONE: (201) 458-7000

March 31, 1986

Allied Fire & Safety, Inc.
381 State Highway 35
Middletown, N.J. 07748

Subject: Foodtown
Route 70, Brick Township

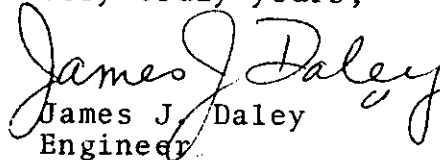
Gentlemen:

A hydrant test conducted on March 27, 1986 at the last hydrant on Salmon Street indicated the following:

1. Static Pressure - 47 psi.
2. Flow - 1200 GPM
3. Residual Pressure - on hydrant at intersection of Pier and East Eel (with flows at 1200 GPM) - 25 psi.

We trust this information meets your needs.

Very truly yours,


James J. Daley
Engineer

JJD/als
cc: Account No. K756100
K756003

**ALLIED FIRE & SAFETY
EQUIP. CO., INC.**

P.O. Box 8189 • 381 Hwy. 35
RED BANK, NEW JERSEY 07701

(201) 741-2113

LETTER OF TRANSMITTAL

TO Township of Bricktown
Chambersbridge Rd.
FIRE INSPECTION DEPARTMENT.

DATE <u>6-17-86</u>	JOB NO. <u>FOOTOWN-RT 70</u>
ATTENTION <u>FIRE INSPECTION DEPT.</u>	
RE: <u>SUBMITTALS OF WATER</u> <u>GRAPHS FOR FOOTOWN</u> <u>ROUTE TO BRICK TWP.</u> <u>FOR CITY WATER CONNECTION.</u>	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ WATER GR

COPIES	DATE	NO.	DESCRIPTION
<u>2</u>	<u>6-17-86</u>		<u>WATER GRAPHS FOR FIRE PROTECTION</u>

THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☒ Return 1 corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS ONE COPY FOR APPROVALS & ONE COPY FOR YOUR
PERMANENT FILES

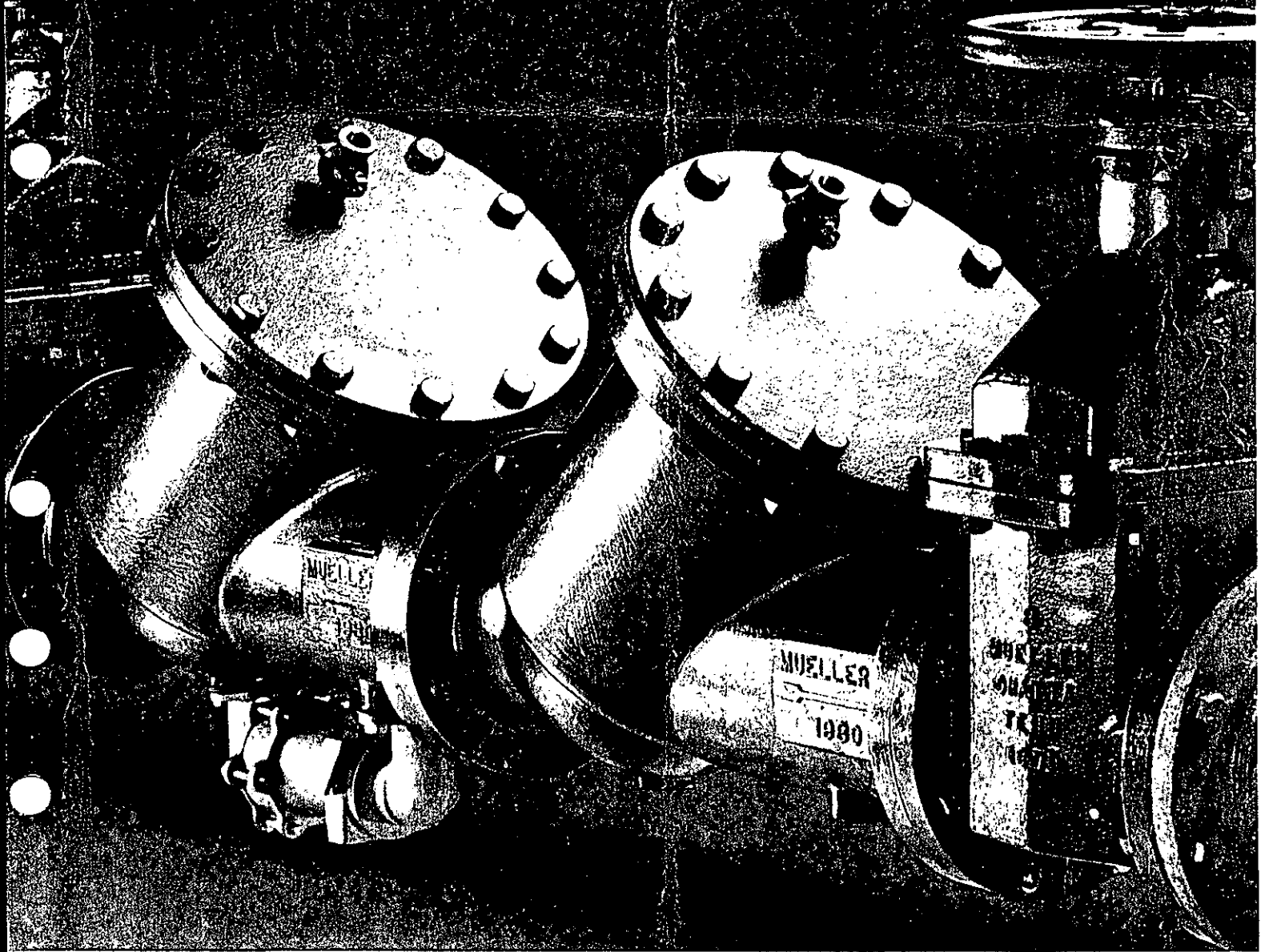
COPY TO FILE

SIGNED: PETER J. WISGARD

MUELLER® REDUCED PRESSURE
BACKFLOW PREVENTERS

Effective protection against backpressure and backsiphonage

All-Mueller Reduced Pressure Backflow Preventer with
Mueller Test Stops and Mueller Resilient Seat Gate Valves
installed as inlet/outlet shutoffs. Also available without
relief valve as Mueller Double Check Backflow Preventer.



The Mueller design for cross-connection control

Mueller Reduced Pressure Backflow Preventers give you the reliable protection you need to keep possibly contaminated water from re-entering the public water mains either by back-pressure or backsiphonage. The design is a double check valve with a relief valve which discharges water from the zone between the two check valves should either a backsiphonage or a back pressure condition exist.

Modular check valve assembly

Each valve assembly, including spring and seat, can be conveniently removed as a module. This allows easy inspection of the seat without unloading spring tension. The design includes convenient hand-holds in the spring retainer allowing the module to be easily lifted from the body of the device. To guard against accidental release of spring tension, a tamper-proof spring retention design is used. When the cover of a check valve chamber is removed, the check valve spring retainer rises to enclose the stem nut in a recess so it can't be turned with a wrench. This helps prevent accidental and unauthorized tampering with the factory assembled check valve assembly.

One size relief valve fits all

The relief valve is easily removed as a unit for repairs. Because the same size relief valve is used on all sizes (4" through 10") of Mueller Reduced Pressure Backflow Preventers, maintenance and repair parts stock can be kept at a minimum. By keeping an extra relief valve body on hand, it can be exchanged with any one needing repair, to minimize downtime and allow repairs to be made more conveniently back in the shop environment.

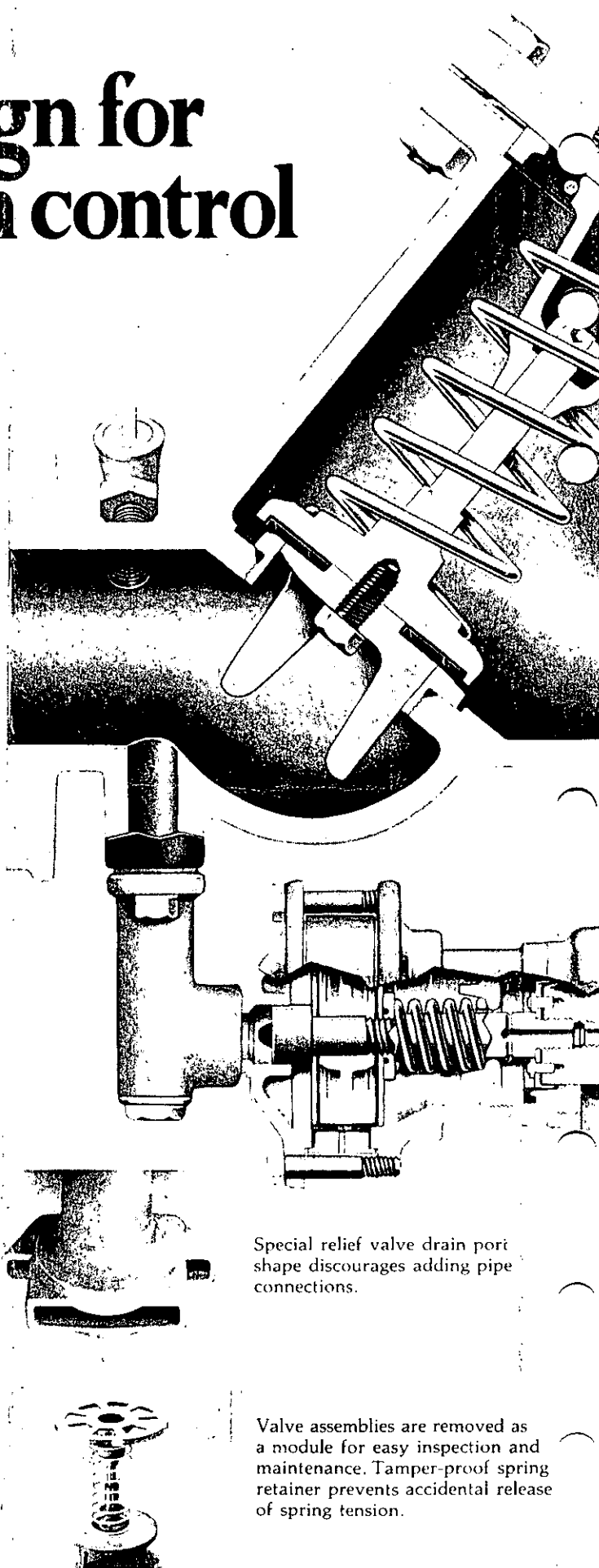
The relief valve and drain are located at the lowest point in the unit to provide complete zone drainage and establish a large air space to prevent backsiphonage. The drain port vents to open air and a special port shape discourages adding pipe connections. The relief valve features a dependable, long-lasting resilient seal which is molded over a stainless steel ring to resist cold flow, two separate rolling diaphragms for extra reliability, and corrosion-resistant bronze and stainless steel working parts.

All-Mueller construction

Both the design and the construction are all-Mueller — providing that extra measure of dependability and durability a cross-connection installation deserves. Mueller has excellent control over the quality and availability of repair or replacement items because Mueller stocks all parts.

The Mueller Reduced Pressure Backflow Preventer (and Double Check Backflow Preventer) is supplied with Mueller NRS Resilient Seat Gate Valves for inlet and outlet shutoffs. Mueller RSGV's provide dependable bubble-tight shutoffs during maintenance. These also allow accurate testing of the backflow preventer which is important in this application. Other Mueller Gate Valve styles are available on request.

The Mueller Reduced Pressure Backflow Preventer (and Double Check Backflow Preventer) device is UL Classified as to friction loss and body strength and meets or exceeds all specifications of AWWA, ASSE, SBCCI (Basic Plumbing Code) and Dept. of Buildings (MEA) City of New York.



Special relief valve drain port shape discourages adding pipe connections.

Valve assemblies are removed as a module for easy inspection and maintenance. Tamper-proof spring retainer prevents accidental release of spring tension.

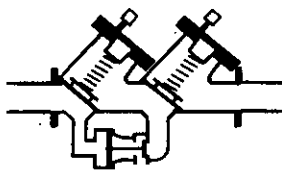
Slanted check valves provide straight-through flow for improved flow characteristics.

Cast iron bodies are coated for corrosion resistance.

Relief valve working parts are corrosion-resistant bronze and stainless steel.

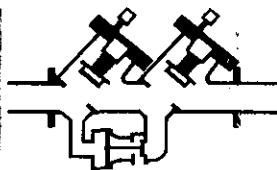
Resilient disc seat provides effective seal and resists effects of water, ozone and oxidation.

Operation of the Mueller Reduced Pressure Backflow Preventer



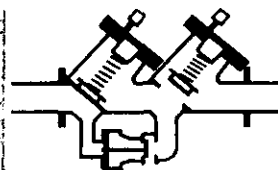
STATIC PRESSURE

Check valves close under spring pressure. Relief valve is held closed by inlet pressure on the diaphragms, which is maintained at least 5 psi higher than the zone between the check valves.



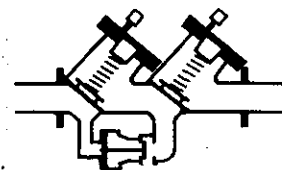
NORMAL FLOW

Check valves open fully, reducing the inlet supply pressure by a total of 7-8 psi at the outlet. Relief valve remains closed by higher inlet pressure on the diaphragms.



UNDER BACK-PRESSURE

All valves close. If outlet side of second check valve fouls, a zone pressure rise approaching 2 psi of inlet pressure pushes the relief valve piston off the drain port to empty the zone.



UNDER BACK-SIPHONAGE

Check valves close. When inlet pressure approaches 2 psi of zone pressure, the relief valve opens and drains the zone creating an air space.

For each Mueller® Reduced Pressure and Double Check Backflow Preventer

Each Mueller backflow preventer device is "field tested" in the plant according to the recommendations of the Foundation for Cross-Connection Control and Hydraulic Research of the University of Southern California for field testing. Mueller performs the same tests the customer is required to perform in the field upon installation of the unit and provides a Certificate of Testing with each device shipped showing test results at the factory. This provides the customer with extra assurance the unit will pass the field test which he must perform after installation.

Mueller Reduced Pressure and Double Check Backflow Preventer devices have been structurally tested at 350 psi (1207 kPa) water pressure for a working pressure of 175 psi (2413 kPa).

**UL®
CLASSIFIED**

CERTIFICATION of TESTING	
MUELLER® H-9505 Double Check Backflow Preventers	
TESTING:	First Check Sealing Against Reverse Flow <u>Good</u>
	Second Check Sealing Against Reverse Flow <u>Good</u>
	Serial Number of Unit <u>014118405</u>
	Tester: <u>0262</u>
	Inspector: <u>W.D. R. M. J.</u>

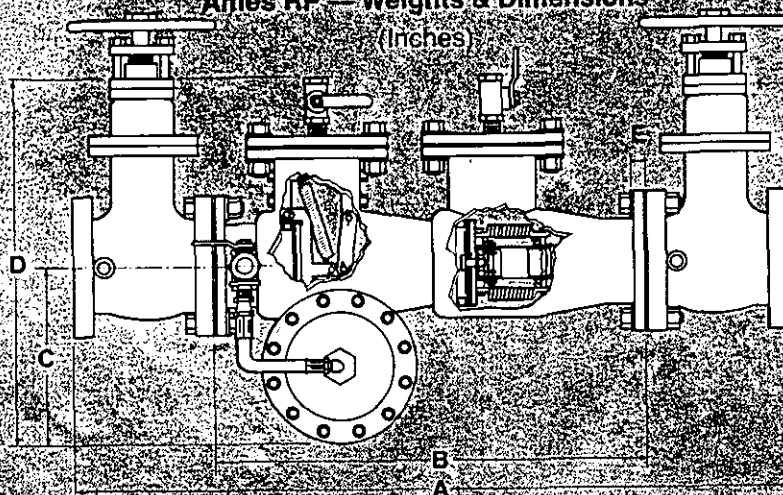
CERTIFICATION of TESTING	
MUELLER® H-9506 Reduced Pressure Backflow Preventer	
Factory Tested Per Required Field Testing Procedures For Backflow Preventers	
TESTING:	Opening Differential of Relief Valve <u>3.0</u> psi
	Differential Across First Check Valve <u>6.7</u> psi
	Second Check Valve Sealing Against Reverse Flow <u>Good</u>
	Serial Number of Unit <u>014128406</u>
	Tester: <u>0262</u>
	Inspector: <u>W.D. R. M. J.</u>

The full line of Mueller products is available from distributors and representatives across the country. For the source nearest you, contact one of our District Service Centers, as listed below.



MAIN OFFICE — Decatur, IL (217) 423-4471
CANADA — Mueller Canada Inc., Milton Ontario (416) 878-0541
DISTRICT SERVICE CENTERS — Atlanta, GA (404) 256-2340,
Avon, CT (203) 674-0863, Dallas, TX (214) 934-1137,
Overland Park, KS (913) 451-1745, Irvine, CA (714) 261-6030

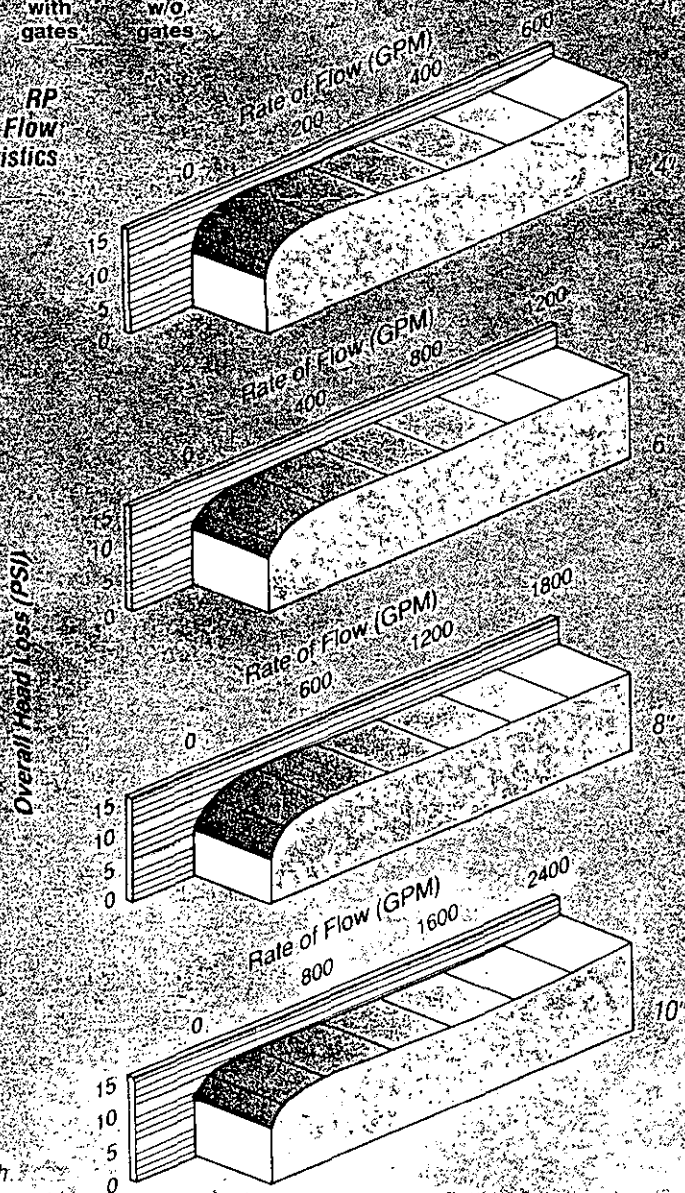
Ames RP — Weights & Dimensions (Inches)



Size	A	B	C	D	E	Width	NET WT. with gates	NET WT. w/o gates
4"	45½	27½	9½	23⅞	⅝	18	384 lbs.	148 lbs.
6"	58⅞	37⅞	10½	25½	1⅞	20	557 lbs.	205 lbs.
8"	68¾	45¾	12	27	1⅞	22.5	923 lbs.	389 lbs.
10"	68¾	45¾	12	27	1⅞	25	1323 lbs.	409 lbs.

with gates w/o gates

RP Flow Characteristics



The Ames RP is designed to provide maximum protection to the potable water supply from backflow or backsiphonage when a cross connection exists.

The Ames assembly consists of two independently operated, spring loaded, straight flow, check valves with a hydraulically operated differential pressure relief valve connected between the check valves. Inlet and outlet resilient wedge shut-off valves available on request.

When normal flow exists, both check valves are open and the pressure in the area between the checks, called the zone, is at least 2 PSI lower than the inlet pressure. The differential pressure relief valve is closed during normal flow.

If cessation of normal flow occurs, the differential pressure relief valve will automatically open and discharge to maintain the zone at least 2 PSI lower than the inlet pressure.

Economical.

AMES GUARD® Fusion Bonded Epoxy internally and externally.

One piece body design.

Stainless steel internal parts.

Removable bronze seat.

Maximum flow at a low head loss.

Light weight heavy-duty steel body design.

Easiest in-line maintenance available in industry.

175 PSI Working pressure.

*NATIONAL APPROVALS — ASSE, AWWA C-506 UL, FM

*Contact Factory for sizes.

~~1212~~ ~~lot~~ 7.87

~~1212~~ ~~7.21~~

~~7.28~~ ~~model C~~

Goodtown

Demo of tank

New Oil line

Framease Connection

Double check Assembly 8"

July

New

Jacket

CLASS

FIRST

CLASS

ALLIED FIRE

& SAFETY EQUIP. CO., INC.

381 Highway 35 P.O. Box 8189

RED BANK, NEW JERSEY 07701

First Class Mail

Bricktown -

Plumbing Dept.

CLASS

FIRST

CLASS

FIRST

CLASS

FIRST

CLASS

FIRST

CLASS

FIRST

CLASS

FIRST

CLASS

ALLIED FIRE

& SAFETY EQUIP. CO., INC.

381 Highway 35 P.O. Box 8189

RED BANK, NEW JERSEY 07701

Brick Town

First Inspection.

First Class Mail

CLASS

FIRST

CLASS

FIRST

CLASS

FIRST

CLASS

FIRST

CLASS

FIRST