

BLOCK 671 LOT 1.01 QUALIFICATION CODE _____ ADDRESS (SITE) DeChambers Bridge PERMIT NO. 19-1297



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION
1. Proposed Work Site at: Trader Joe's 110 Plaza, Space 43A, Brick NJ 08723
2. Name of Owner in Fee: Federal Realty
Tel. (484) 419-1208 e-mail ncain@federalrealty.com
Address 50E. Wynnewood Rd Ste #200 Wynnewood PA 19096
3. Ownership in Fee: Public _____ Private _____
4. Principal Contractor: Retail Project Management Tel. (631) 218-3970
Address 925 Lincoln Ave. Hk1brook, N.Y. 11741 e-mail jon@retailproject.com
License No. OR, if new home, Builder Reg. No. 0100-9460-73 Exp. Date _____
Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
Federal Emp. ID No. _____ FAX: () _____
5. Architect or Engineer Bergmann Architects Engineer Contact SCOTT WRASMAN
Address 81 Washington St. Conshohocken PA e-mail swrasman@bergmannpe.com
Tel. (484) 567-7670 FAX: () _____
6. Responsible Person in Charge once Work has Begun Jonathan Bonett
Tel. (631) 218-3970 FAX: (631) 218-3980
Edward 516-524-8281

V. FEE SUMMARY (for office use only)		Update	Update
1. Building	\$ <u>31,100-</u>		
2. Electrical	<u>3410</u> ✓		<u>150</u> ✓
3. Plumbing	<u>1072-</u>		
4. Fire Protection	<u>150-</u>	<u>240-</u>	<u>116-</u>
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	\$ _____		
8. Subtotal	\$ _____		
9. State Permit Surcharge Fee	<u>2222-</u>	<u>57-</u>	<u>16-</u>
10. Subtotal	<u>175-</u>		
11. Cert. of Occupancy	<u>150</u>		
12. Other			
13. TOTAL	\$ <u>37488</u>		<u>282-</u>

VI. BUILDING/SITE CHARACTERISTICS (office use only)

1. Number of Stories	<u>1</u>
2. Height of Structure	_____ ft.
3. Area — Largest Floor	<u>13,226</u> sq. ft.
4. New Building Area	_____ sq. ft.
5. Volume of New Structure	_____ cu. ft.
6. Max. Live Load	_____
7. Max. Occupancy Load	<u>372</u> 372
8. If Industrialized Building: State Approved	_____ HUD _____
9. Total Land Area Disturbed	_____ sq. ft.
10. Flood Hazard Zone	_____
11. Base Flood Elevation	_____ ft.
12. Wetlands yes _____ no _____	

COMMERCIAL

IIa. PROPOSED WORK

☐ Minor Work	☐ New Building	☐ Addition	☐ Demolition
☐ Repair	☐ Alteration	☒ Renovation	☐ Reconstruction
☐ Asbestos Abat. -Subch. 8	☐ Lead Hazard Abatement	☐ Radon Remediation	☐ Annual Permit

IIb. SUBCODES (Check all that apply)

	Est. Cost	Plans Rec'd	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
☒ Building	<u>860,000.00</u>	<u>CM</u>			<u>4/8/19</u>	<u>JS</u>			
☒ Electrical	<u>175,000.00</u>	<u>3/26/19</u>			<u>4/15/19</u>	<u>JS</u>			
☒ Plumbing	<u>100,000.00</u>				<u>4/15/19</u>	<u>JS</u>			
☒ Fire Protection	<u>65,000.00</u>				<u>4/15/19</u>	<u>JS</u>			
☐ Elevator									
TOTAL COST		<u>Long Exempt</u>							

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

4. No. of dwelling units: Total Units Income-restricted

Gained, Sale	_____
Gained, Rental	_____
Lost, Sale	_____
Lost, Rental	_____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: M

3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present 11-B Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

1. ☐ Partial Releases

2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks	4. ☒ Refrigeration Systems	8. ☐ Smoke Control Systems in Open Wells
2. ☐ High Pressure Boilers	5. ☐ Cross-Connections/Backflow Preventers	9. ☐ Underground Storage Tanks
3. ☐ Pressure Vessels	6. ☐ Hazardous Uses/Places of Assembly	10. ☐ Swimming Pools, Spas and Hot Tubs
	7. ☒ Sprinklers	11. ☐ LPGas Tanks

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name Retail Project Management - Jonathan Bonetti

Address 925 Lincoln Ave Unit 11
Holbrook NY 11741

Telephone (631) 218 3970

Signature [Signature]

- III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☐ Zoning Officer									
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Department of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Department of Environmental Protection									
☐ Utility Dig No.									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition		Name of Code & Edition		Other	
Building _____	Energy _____	Other _____			
Electrical _____	Barrier Free _____	_____			
Plumbing _____	Flood Hazard _____	_____			
Fire Protection _____	As Built Elevation Cert. _____	_____			
Mechanical _____	Other _____	_____			

X. CERTIFICATES ISSUED (office use only)		DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____	_____

7/14/19 Called Michelle con RFP and

7
UE DATE _____

CONTROL # _____

DATE RECEIVED _____

WP - VIOLATION # _____

DATE RETURNED TO OWNER/AGENT _____

DATE RESUBMITTED _____

BLOCK _____

LOT _____

NAME _____

LOCATION _____

CONTRACTOR'S LICENSE NO. _____ Application Given to Applicant [] Received [] [] OWNER

COMMENTS & SIGNATURES

ate Received _____ FIRE _____

Approved _____

Disapproved _____

Resubmitted _____

ate Received _____ ELECTRIC _____

Approved _____

Disapproved _____

Resubmitted _____

ate Received _____ PLUMBING _____

Approved _____

Disapproved _____

Resubmitted _____

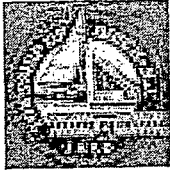
ate Received _____ BUILDING _____

Approved _____

Disapproved _____

Resubmitted _____

COMMENTS _____



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 10/10/2019
Control Number C-19-001116
Permit Number 19-1297
Permit Issue Date 05/23/2019
Certificate Number 19-1297

Certificate

Construction Code Division
(Certificate of Occupancy)

Identification

Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Block: 671 Lot: 1.01 Qual: _____
Owner in Fee: FEDERAL REALTY INVESTMENT TRUST %
Owner Address: PO BOX 92129 (ALTUS GROUP SOUTHLAKE TX 76092)
Telephone: _____
Contractor: RETAIL PROJECT MANAGEMENT NY INC
Address: 925 LINCOLN AVE HOLBROOK NY 11741
Telephone: (631) 218-3970 Fax: (631) 218-3980
License Number or Builders Registration Number: _____ Federal Emp. Number: _____
Home Warranty Number: _____
Type of Warranty Plan: ☐ State ☐ Private
Use Group: M Construction Classification: Type II
Maximum Live Load: 0 Maximum Occupancy Load: 372
Description of Work/Use: TENANT FIT UP - - TRADER JOE'S - SPACE 43

Certificate Comments:

☒ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☐ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

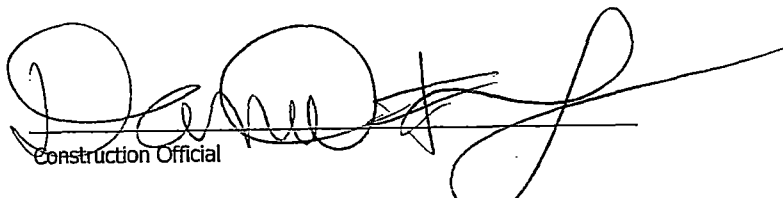
- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

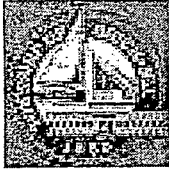
This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:


Construction Official

Fee: \$150.00
Check Number: 26668
Collected By: Christopher Winters



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 10/03/2019
Control Number C-19-001116
Permit Number 19-1297
Permit Issue Date 05/23/2019
Certificate Number 19-1297

Certificate

Construction Code Division
(Temporary Certificate of Occupancy)

Identification

Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Block: 671 Lot: 1.01 Qual: _____
Owner in Fee: FEDERAL REALTY INVESTMENT TRUST %
Owner Address: PO BOX 92129 (ALTUS GROUP SOUTHLAKE TX 76092)
Telephone: _____
Contractor: RETAIL PROJECT MANAGEMENT NY INC
Address: 925 LINCOLN AVE HOLBROOK NY 11741
Telephone: (631) 218-3970 Fax: (631) 218-3980
License Number or Builders Registration Number: _____ Federal Emp. Number: _____
Home Warranty Number: _____
Type of Warranty Plan: ☐ State ☐ Private
Use Group: M Construction Classification: Type II
Maximum Live Load: 0 Maximum Occupancy Load: 0
Description of Work/Use: TENANT FIT UP - - TRADER JOE'S - SPACE 43

Certificate Comments: THIS CERTIFICATE IS FOR MERCHANDISING ONLY

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☐ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

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This certificate has an expiration date of: _____
Conditions to be met:

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- ☐ Partial or limited time period (_____ years); see file

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- ☐ Total removal of asbestos hazards in scope of work
- ☐ Partial or limited time period (_____ years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____

☒ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: 11/01/2019 or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of: 11/01/2019
Conditions to be met:

Need Final Building, Plumbing, and Fire Inspections. Need Final Engineering Approval. Need Final Ocean County Soil Conservation Approval.

Construction Official

Date Printed: 10/03/2019

U.C.C. F260 (rev. 08/05)

Fee: \$0.00
Check Number: _____
Collected By: _____

Tenant fit-ups / Commercial Renovations

Certificate requirements

[print](#)
[reset defaults](#)
[check all](#)
[complete](#)

Tenant fit-ups / Commercial Renovations**UCC Requirements**

Approved Final Building Inspection

comment☐☐**TCO for Merchandising**

Approved Final Electrical Inspection

comment☒☐

Approved Final Plumbing Inspection

comment☐☐**TCO 60 Days**

Approved Final Fire Inspection

comment☐☐**TCO 60 Days**

Approved Final Elevator Inspection (If Applicable)

comment☐☒**Prior Approvals**

Approval from the BTMUA (732) 458-7000

comment☒☐

Approval from the Division of Engineering (If Applicable)

comment☐☐**TCO for Merchandising (TCO until 11/1/19 inspection on 10/2/19 rec'd in bldg. from eng. on 10/3/19 MFF)**

Final Ocean County Soil Conservation 714 Lacey Rd. Forked River (609) 971-7002 (If Applicable)

comment☐☐

Affordable Housing Approval (If Applicable)

comment☐☒

Signed Certificate of Occupancy Application

comment☐☐

All Updates Have Been Approved

comment☐☐This checklist has been given to: [\(edit\)](#)

Tenant fit-ups / Commercial Renovations

Certificate requirements

[print](#)
[reset defaults](#)
[check all](#)
[complete](#)

Tenant fit-ups / Commercial Renovations**UCC Requirements**

Approved Final Building Inspection	comment	☒	☐
Approved Final Electrical Inspection	comment	☒	☐
Approved Final Plumbing Inspection	comment	☒	☐
Approved Final Fire Inspection	comment	☒	☐
Approved Final Elevator Inspection (If Applicable)	comment	☐	☒

Prior Approvals

Approval from the BTMUA (732) 458-7000	comment	☒	☐
Approval from the Division of Engineering (If Applicable)	comment	☒	☐
TCO for Merchandising (TCO until 11/1/19 inspection on 10/2/19 rec'd in bldg. from eng. on 10/3/19 MFF) Passed 10/9/19 rec'd in bldg. 10/10/19 MFF			
Final Ocean County Soil Conservation 714 Lacey Rd. Forked River (609) 971-7002 (If Applicable)	comment	☒	☐
Affordable Housing Approval (If Applicable)	comment	☐	☒
Signed Certificate of Occupancy Application	comment	☒	☐
All Updates Have Been Approved	comment	☒	☐

This checklist has been given to: [\(edit\)](#)



APPLICATION FOR
CERTIFICATE

Date Received 04/01/2019
Date Permit Issued 05/23/2019
Control # C-19-001116
Permit # 19-1297
Date Issued

IDENTIFICATION

Block 671 Lot 1.01 Qualifier _____
Work Site Location 56 CHAMBERS BRIDGE RD. Brick Township, NJ Contractor RETAIL PROJECT MANAGEMENT NY INC
Address 925 LINCOLN AVE. HOLBROOK NY 11741
Owner in Fee FEDERAL REALTY INVESTMENT TRUST % Telephone (631) 218-3970
PO BOX 92129 (ALTUS GROUP, SOUTHLAKE TX
76092 Lic. No. or Bldrs. Reg. No. _____
Telephone _____ Federal Employee No. _____

ACTION

- ☒ CERTIFICATE OF OCCUPANCY
☐ CERTIFICATE OF CONTINUED OCCUPANCY
☐ LEAD HAZARD ABATEMENT CERTIFICATE OF CLEARANCE
☐ TEMPORARY CERTIFICATE OF OCCUPANCY

USE GROUP M Previous M Current

FINAL COST OF CONSTRUCTION: \$ 1135000

(Include value of any new structure, all on-site improvements, built-in furnishings and fixtures and all the integral equipment exclusive of process or manufacturing equipment.)

A set of "As Built" or amended drawings is required if the building or structure deviates from the approved plans filed with the construction permit. Use space below to describe any deviations from approved plans:

If you are requesting a Temporary Certificate of Occupancy, please explain why in the space below.

DESCRIPTION OF WORK/USE:

Alteration TENANT FIT UP - TRADER JOE'S - SPACE 43

I hereby attest that to the best of my knowledge, the completed project meets the conditions of construction permit and all prior approvals, and all work has been completed substantially in accordance with the code and with those portions of the plans and specifications controlled by the code, with any substantial deviations noted. Incomplete items listed on a Temporary Certificate of Occupancy will be complete by the date on the

SIGNED: _____

Owner/Agent

☐ OWNER

☒ AGENT



APPLICATION FOR CERTIFICATE

Date Received 04/01/2019
Date Permit Issued 05/23/2019
Control # C-19-001116
Permit # 19-1297
Date Issued 10/03/2019

IDENTIFICATION

Block 671 Lot 1.01 Qualifier _____
Work Site Location 56 CHAMBERS BRIDGE RD. Brick Township, NJ Contractor RETAIL PROJECT MANAGEMENT NY INC
Address 925 LINCOLN AVE HOLBROOK NY 11741
Owner in Fee FEDERAL REALTY INVESTMENT TRUST % Telephone (631) 218-3970
PO BOX 92129 (ALTUS GROUP SOUTH LAKE TX Lic. No. or Bldrs. Reg. No. _____
76092 Federal Employee No. _____
Telephone _____

ACTION

- ☐ CERTIFICATE OF OCCUPANCY
☐ CERTIFICATE OF CONTINUED OCCUPANCY
☐ LEAD HAZARD ABATEMENT CERTIFICATE OF CLEARANCE
☒ TEMPORARY CERTIFICATE OF OCCUPANCY

USE GROUP M Previous M Current

FINAL COST OF CONSTRUCTION: \$ 1135000

(Include value of any new structure, all on-site improvements, built-in furnishings and fixtures and all the integral equipment exclusive of process or manufacturing equipment.)

A set of "As Built" or amended drawings is required if the building or structure deviates from the approved plans filed with the construction permit. Use space below to describe any deviations from approved plans:

If you are requesting a Temporary Certificate of Occupancy, please explain why in the space below.

Need Final Building, Plumbing, and Fire Inspections. Need Final Engineering Approval. Need Final Ocean County Soil Conservation Approval.

DESCRIPTION OF WORK/USE:

Alteration TENANT FIT UP - TRADER JOE'S - SPACE 43

I hereby attest that to the best of my knowledge, the completed project meets the conditions of construction permit and all prior approvals, and all work has been completed substantially in accordance with the code and with those portions of the plans and specifications controlled by the code, with any substantial deviations noted. Incomplete items listed on a Temporary Certificate of Occupancy will be complete by the date on the

SIGNED _____

Owner/Agent

☐ OWNER

☒ AGENT

SHADER JOES

FIRE PROTECTION SUBCODE TECHNICAL SECTION



Casey 310 195 3731
Bend 7/2015

Date Received
Control #
Date Issued
Permit #

5/23/19

19-1297

HA

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 671 Lot 1.01 Qualification Code

Work Site Location 110 Brick Plaza Space 434 56 Chambers

Brick, NJ 08723 Budget Rd

Owner in Fee: Federal Realty

Tel. 484 419-1208 e-mail ncaina@federalrealty.com

Address 50E. Wynnwood Rd. Wynnwood PA 19096

Contractor: Millennium Fire Protection Tel. (973) 975-2006

Address 86 Emmans Road Ledgewood, NJ 07852 e-mail

gbender@millenniumfire.com

Fire Protection Equipment, NJ Div of Fire Safety Permit No. P01422

Fire Protection Equipment, NJ Div of Fire Safety Installer No. 153959

Fire Alarm Contractor No. Exp. Date

Home Improvement Contractor Registration No. or Exemption Reason

Federal Emp. ID No. 463059969 FAX: (973) 668-5819

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present M Proposed M

Constr. Class: Present 11-B Proposed

Heating System: ☐ New OR ☐ Modification to Existing

OR ☐ Conversion OR ☐ Replacement

Fuel Type: ☐ Gas ☐ Oil ☐ Electric ☐ Solar

☐ Other

Location:

Total Cost of Fire Protection Work \$ 30,000

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Applicant/Contractor sign here:

Print name here: George Bender

D. TECHNICAL SITE DATA ☐ Certified Contractor ☐ Exempt Applicant

DESCRIPTION OF WORK:

Water Supply Source Modify existing system

Method of Alarm/Suppression System Supervision

Flammable/Combustible Tanks

Alarm Systems

☐ System

☐ 110v Interconnected

☐ CO Detectors/110v

Alarm Devices (i.e., smoke, heat, pulls, water/flow)

Supervisory Devices (i.e., tampers, low/high air)

Signaling Devices (i.e., horn/strobes, bells)

Other Devices

TOTAL

Suppression Systems

Fire Pump GPM Type

Dry Pipe/Alarm Valves

Pre-action Valves

Sprinkler Heads (Dry and Wet)

Standpipes

Pre-engineered Systems

Wet Chemical

Dry Chemical

CO₂ Suppression

Foam Suppression

FM200 Suppression

Other

Other Systems

Kitchen Hood Exhaust System

Smoke Control System

Fuel-Fired Appliances ☐ Gas ☐ Oil ☐ Solid

Fireplace Venting/Metal Chimney

Other

Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

JOB SUMMARY (Office Use Only)		INSPECTIONS				Dates (Month/Day)	
PLAN REVIEW		Type	Failure	Failure	Approval	Initial	
☐ No Plans Required		Alarm System					
☐ Partial -Underslab Utilities Approved		Suppression Sys.					
Date: Approved by:		Standpipe					
☒ Fire Protection Plans Approved		Fire Pump					
Date: Approved by:		Pre-Eng. System					
Joint Plan Review Required:		Mechanical					
☐ Bldg. ☐ Elec. ☐ Plumb. ☐ Elev.		Smoke Control					
SUBCODE APPROVAL for PERMIT		TCO					
Date: Approved by:		Flam/Combust Tanks					
SUBCODE APPROVAL for CERTIFICATE		Fireplace Venting					
☐ CO ☐ ECO ☐ CA		Final					
Date: Approved by:		Other					

COMMERCIAL



KHADER JONES

FIRE PROTECTION SUBCODE

TECHNICAL SECTION



N.S.1
1324

312

See ESS

Date Received
Control #

Date Issued
Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 67X Lot 1.01 Qualification Code _____

Work Site Location 100 Cedar Bridge Ave, Space 43A

Brick, NJ (40 Bricks Plaza) 56 Chambers Bridge

Owner in Fee: Federal Realty

Tel. 484 419-1208 e-mail ncain@federalrealty.com

Address 50 E. Wynnewood Rd. #10 Wynnewood PA 19096

Contractor: KGB Electrical Contractor Corp Tel. 347-219-5501

Address 61 Fifth Street e-mail kgelectrice@juno.com

Garden City Park, NY 11040

Fire Protection Equipment, NJ Div of Fire Safety Permit No. _____

Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Fire Alarm Contractor No. 34E101588600 Exp. Date 3/31/2021

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. _____ FAX: _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present M Proposed M Fuel Storage Tank: _____

Constr. Class: Present 11-B Proposed _____ Fuel Type: [] Flammable or [] Combustible

Heating System: [] New OR [] Modification to Existing Capacity _____

OR [] Conversion OR [] Replacement Fire Alarm System: [] New OR [] Existing

Fuel Type: [] Gas [] Oil [] Electric [] Solar Location of Panel: _____

[] Other [] New OR [] Existing Fire Suppression/Standpipe System: _____

Location: _____ Location of Main Control Valve: _____

Total Cost of Fire Protection Work \$ 35,000.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW		Type:	Failure	Failure	Approval
[] No Plans Required		Alarm System			
[] Partial -Underslab Utilities Approved		Suppression Sys.			
Date: _____ Approved by: _____		Standpipe			
[] Fire Protection Plans Approved		Fire Pump			
Date: _____ Approved by: _____		Pre-Eng. System			
Joint Plan Review Required:		Mechanical			
[] Bldg. [] Elec. [] Plumb. [] Elev.		Smoke Control			
SUBCODE APPROVAL for PERMIT		TCO			
Date: _____ Approved by: _____		Flam/Combust Tanks			
SUBCODE APPROVAL for CERTIFICATE		Fireplace Venting			
[] CO [] CCO [] CA		Final			
Date: _____ Approved by: _____		Other			

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Applicant/Contractor sign here: _____

Print name here: Scott Hooper

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: New Tenant fire

Water Supply Source Alarm

Method of Alarm/Suppression System Supervision _____

	NUMBER	FEE (Office Use Only)
Flammable/Combustible Tanks	_____	\$ _____
Alarm Systems	_____	
[] System	_____	
[] 110v Interconnected	_____	
[] CO Detectors/110v	_____	
Alarm Devices (i.e., smoke, heat, pulls, water/flow)	<u>17</u>	
Supervisory Devices (i.e., tampers, low/high air)	<u>1</u>	
Signaling Devices (i.e., horn/strobes, bells)	<u>23</u>	
Other Devices <u>FACP/FAAP</u>	<u>2</u>	
TOTAL	<u>43</u>	
Suppression Systems	_____	
Fire Pump _____ GPM Type _____	_____	
Dry Pipe/Alarm Valves	_____	
Pre-action Valves	_____	
Sprinkler Heads (Dry and Wet)	_____	
Standpipes	_____	
Pre-engineered Systems	_____	
Wet Chemical	_____	
Dry Chemical	_____	
CO ₂ Suppression	_____	
Foam Suppression	_____	
FM200 Suppression	_____	
Other _____	_____	
Other Systems	_____	
Kitchen Hood Exhaust System	_____	
Smoke Control System	_____	
Fuel-Fired Appliances <u>N</u> Gas [] Oil [] Solid <u>3-Duct</u>	_____	
Fireplace Venting/Metal Chimney	_____	
Other _____	_____	

COMMERCIAL

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____



FIRE PROTECTION SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE: CALL UTILITY DIG NO: 1-800-272-1000.

Block 6771 Lot 7.01 Qualification Code _____
Work Site Location Trader Joe's Space 43
110 Brick Plaza Brick, NJ 08724

Owner in Fee: Retail Project Management of NY, Inc

Tel. (631) 218-3970 e-mail tconlon@retailproject.com
Address 925 Lincoln Ave Unit 11 Holbrook, NY 11741

Contractor: Electronic Security Solutions municipality _____ Tel. (215) 277-5248
Address 5115 Campus Drive e-mail tcapie@essfiresys.com

Plymouth Meeting, PA 19462

Fire Protection Equipment, NJ Div of Fire Safety Permit No. P01299

Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Fire Alarm Contractor No. 34BF000377 Exp. Date 10/31/2019

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. 25-189772 FAX: (215) 277-5263

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present M Proposed M
Constr. Class: Present 11B Proposed 11B

Fuel Storage Tank:
Fuel Type: ☐ Flammable OR ☐ Combustible
Capacity _____

Heating System: ☐ New OR ☐ Modification to Existing
OR ☐ Conversion OR ☐ Replacement

Fire Alarm System: ☐ New OR ☒ Existing

Location of Panel: Sprinkler Room

Fire Suppression/Standpipe System:

☐ New OR ☐ Existing

Location of Main Control Valve: _____

Fuel Type: ☐ Gas ☐ Oil ☐ Electric ☐ Solar
☐ Other _____

Location: _____

Total Cost of Fire Protection Work \$ 4,027

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)			
PLAN REVIEW		Type:	Failure	Failure	Approval	Initial	
☐ No Plans Required		Alarm System					
☐ Partial - Underslab Utilities Approved		Suppression Sys.					
Date: _____ Approved by: _____		Standpipe					
☒ Fire Protection Plans Approved		Fire Pump					
Date: _____ Approved by: _____		Pre-Eng. System					
☒ Joint Plan Review Required		Mechanical					
☐ Bldg. ☐ Elec. ☐ Plumb. ☐ Elev.		Smoke Control					
SUBCODE APPROVAL for PERMIT		TCO					
Date: _____ Approved by: _____		Flam/Combust Tanks					
SUBCODE APPROVAL for CERTIFICATE		Fireplace Venting					
☐ CO ☐ CCO ☐ CA		Final					
Date: _____ Approved by: _____		Other					

U.C.C. F140 (rev. 02/11)
Internet version

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

Date Received
Control #

Date Issued
Permit #

5/23/19
19-1297 HB

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Applicant/Contractor
sign here: _____

Print name here: Tom Capie

☒ Certified Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

Water Supply Source _____

Method of Alarm/Suppression System Supervision _____

	NUMBER	FEE (Office Use Only)
Flammable/Combustible Tanks	_____	\$ _____
Alarm Systems		
☒ System	_____	_____
☐ 110v Interconnected	_____	_____
☐ CO Detectors/110v	_____	_____
Alarm Devices (i.e., smoke, heat, pulls, water/flow)	_____	_____
Supervisory Devices (i.e., tampers, low/high air)	_____	_____
Signaling Devices (i.e., horn/strobes, bells)	<u>23</u>	_____
Other Devices	_____	_____
TOTAL	_____	_____
Suppression Systems		
Fire Pump _____ GPM Type _____	_____	_____
Dry Pipe/Alarm Valves	_____	_____
Pre-action Valves	_____	_____
Sprinkler Heads (Dry and Wet)	_____	_____
Standpipes	_____	_____
Pre-engineered Systems		
Wet Chemical	_____	_____
Dry Chemical	_____	_____
CO ₂ Suppression	_____	_____
Foam Suppression	_____	_____
FM200 Suppression	_____	_____
Other	_____	_____
Other Systems		
Kitchen Hood Exhaust System	_____	_____
Smoke Control System	_____	_____
Fuel-Fired Appliances ☒ Gas ☐ Oil ☐ Solid	<u>3</u>	_____
Fireplace Venting/Metal Chimney	_____	_____
Other	_____	_____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____

COMMERCIAL

3 - Dual Detectors



PLUMBING SUBCODE TECHNICAL SECTION



Date Received
Control #

Date Issued
Permit #

10/31/19
19-12977 +D

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 10711 Lot 1.01 Qualification Code _____
Work Site Location Trader Joe's Brick, NJ

Owner in Fee: Federal Realty
Tel. 484 419 1208 e-mail ncalin@federalrealty.com

Address 50 E. Wynnewood Rd #200 Wynnewood PA 19096
street municipality zip code

Contractor: Meli Plumbing & Heating, Inc
Address 51 Cleveland St. Tel. 201 343-2710
Hackensack, NJ 07602 e-mail _____

Contractor License No. 8724

Home Improvement Contractor Registration No. or Exemption Reason _____ Exp. Date _____

Federal Emp. ID No. 22-3499780

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed _____ FAX: 201 343-2572

Building Sewer Size _____ Public Sewer _____
Water Service Size _____ Public Water _____ Private Septic _____
Est. Cost of Plumbing Work \$ 450 Private Well _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required
☐ Partial - Underslab Utilities Approved

Date: _____ Approved by: _____

☒ Plumbing Plans Approved

Date: 10-3-19 Approved by: [Signature]

Joint Plan Review Required: _____

☐ Bldg. ☐ Elec. ☐ Fire. ☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: 10-5-19 Approved by: [Signature]

SUBCODE APPROVAL for CERTIFICATE

☐ CO ☐ CCO ☐ CA

Date: 10-5-19 Approved by: [Signature]

INSPECTIONS

Type:	Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equipment				
Gas Piping				
LPGas Tank				
Fuel Oil Piping				
Solar				
TCO				
Final				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here:

Print name here: Frank Meli

☒ Licensed Contractor

☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Backflow

QTY.

FIXTURE/EQUIPMENT

Water Closet

Urinal/Bidet

Bath Tub

Lavatory

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Hose Bibb

Water Heater

Fuel Oil Piping

Gas Piping

LPGas Tank

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor/Separator

Backflow Preventer

Greasetrap

Sewer Connection

Water Service Connection

Stacks

Other

FEE (Office Use Only)

\$

Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 671 Lot 1.01 Qualification Code _____

Work Site Location Trader Joe's, Space 43
110 Brick Plaza Brick, NJ 08724

Owner in Fee: Retail Project Management of NY, Inc

Tel. (631) 218-3970 e-mail tconlon@retailproject.com

Address 925 Lincoln Ave Unit 11 Holbrook, NY 11741

Contractor: ELECTRONIC SECURITY SOLUTIONS Tel. (215) 277-5248

Address 5115 Campus Drive e-mail jeffmitchell@essfiresys.com
Plymouth Meeting, PA 19462

Contractor License No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. 25-189772 FAX: (215) 277-5263

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

[] Pole/Pad # _____ [] Temporary [] Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 4,027

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)			
PLAN REVIEW		Type:	Failure	Failure	Approval	Initial	
[] No Plans Required		Rough					
[] Partial Underslab Utilities Approved		Barrier-Free					
Date: _____ Approved by: _____		Trench					
[X] Electric Plans Approved		Temp. Serv.					
Date: <u>5-17-19</u> Approved by: <u>IM</u>		Constr. Serv.					
Joint Plan Review Required:		TCO					
[] Bldg: [] Plumb: [] Fire: [] Elev.		Other					
SUBCODE APPROVAL for PERMIT		Service					
Date: <u>5-17-19</u>		Final					
Approved by: <u>IM</u>		Barrier-Free					
SUBCODE APPROVAL for CERTIFICATE		Temp. Cut-in-Card Date Issued					
[] CO [] CCO [] CA		Final Cut-in-Card Date Issued					
Date: <u>6-3-19</u>		Annual Pool Inspection					
Approved by: <u>IM</u>		Date of Grounding and Bonding Certification					

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here: Tom Capie

Print name here: Tom Capie

[] Licensed Elec. Contractor [] Certif'd Landscape Irrigation Cont'r [X] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:
Fire Alarm Fitout

QTY.	SIZE	ITEMS	FEE (Office Use Only)
		Lighting Fixtures	
		Receptacles	
		Switches	
		Detectors	
		Light Poles	
		Motors—Fract. HP	
		Emergency & Exit Lights	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		TOTAL NUMBERS	
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW Elec. Range/Receptacle	
		KW Oven/Surface Unit	
		KW Elec. Water Heater	
		KW Elec. Dryer/Receptacle	
		KW Dishwasher	
		HP Garbage Disposal	
		KW Central A/C Unit	
		HP/KW Space Heater/Air Handler	
		KW Baseboard Heat	
		HP Motors 1/+ HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____

Date Received
Control #
Date Issued
Permit #

5/23/19
19-1297

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 671 Lot 1.01 Qualification Code _____

Work Site Location 100 CEDAR BRIDGE AVE, SPACE 43A 56 Champps Bridge Rd
BRICK, NJ (110 Brick Plaza)

Owner in Fee: Federal Realty

Tel. 484 419-1208 e-mail ncain@federalrealty.com

Address 50 E. WYNNWOOD RD. #200 WYNNWOOD RD 19096
street municipality zip code

Contractor: KGB ELECTRICAL CONTRACTOR CORP Tel. 317-295501

Address 61 FIFTH STREET e-mail kgbelectric@juno.com
GARDEN CITY PARK, NY 11040

Contractor License No. 34EI01588600 Exp. Date 03/31/2021

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. _____ FAX: _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed M

[] Pole/Pad # _____ [] Temporary [] Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 175,000

JOB SUMMARY (Office Use Only)	
PLAN REVIEW	INSPECTIONS
	Dates (Month/Day)
[] No Plans Required	Type: Failure Failure Approval Initial
[] Partial -Underslab Utilities Approved	Rough _____
Date: _____ Approved by: _____	Barrier-Free _____
[X] Electric Plans Approved	Trench _____
Date: <u>4/5/19</u> Approved by: <u>PJC</u>	Temp. Serv. _____
Joint Plan Review Required:	Constr. Serv. _____
[] Bldg. [] Plumb. [] Fire. [] Elev.	TCO _____
SUBCODE APPROVAL for PERMIT	Other _____
Date: <u>4/5/19</u>	Service _____
Approved by: _____	Final _____
SUBCODE APPROVAL for CERTIFICATE	Barrier-Free _____
[] CO [] CCO [] CA	Temp. Cut-in-Card Date Issued _____
Date: _____	Final Cut-in-Card Date Issued _____
Approved by: _____	Annual Pool Inspection _____
	Date of Grounding and Bonding Certification _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here: Scott Hoerter

Print name here: Scott Hoerter

☒ Licensed Elec. Contractor [] Certifd Landscape Irrigation Contr [] E-Permit Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:			FEE (Office Use Only)	
Installation of new supermarket equipt.			COMMERCIAL	
QTY.	SIZE	ITEMS		
178		Lighting Fixtures		
75		Receptacles		
13		Switches		
		Detectors		
		Light Poles		
		Motors—Fract. HP		
72		Emergency & Exit Lights		
75		Communications Points		
38		Alarm Devices/F.A.C. Panel		
26		20a Refri Cases		
477		TOTAL NUMBERS		
		Pool Permit/with UW Lights		
		Storable Pool/Spa/Hot Tub		
		KW Elec. Range/Receptacle		
1	15	KW Oven/Surface Unit		
		KW Elec. Water Heater		
		KW Elec. Dryer/Receptacle		
		KW Dishwasher		
		HP Garbage Disposal		
3	24	KW Central A/C Unit		
		HP/KW Space Heater/Air Handler		
		KW Baseboard Heat		
5		HP Motors 1/+ HP		
		KW Transformer/Generator		
		AMP Service		
		AMP Subpanels		
		AMP Motor Control Center		
		KW Elec. Sign/Outline Light		
1	200	Refrig Unit		



Trader Joe's

ELECTRICAL SUBCODE

TECHNICAL SECTION



Change of Contractor
ONLY

Date Received 6/25/19
Control #
Date Issued 19-1297
Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 611 Lot 1.01 Qualification Code _____

Work Site Location Space 43A

Brick Plaza

Owner in Fee: Federal Realty

Tel. (484) 419-1208 e-mail ncain@federalrealty.com

Address 50 E. Warrington Rd. #200 Warrington PA 19096

Contractor: All Phase Electric Inc Tel. (908) 482-0979

Address PO Box 12 e-mail John.A.Allphase@comcast.net

Dayton NJ 08810

Contractor License No. 8346 Exp. Date 2021

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 22-2685729 FAX: () _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

[] Pole/Pad # _____ [] Temporary [] Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 175,000.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW		INSPECTIONS		Dates (Month/Day)	
[] No Plans Required	Type: <u>ABOVE CEILING</u>	Failure	Failure	Approval	Initial
[] Partial - Underslab Utilities Approved	Rough: <u>9/12/19</u>				
Date: _____ Approved by: _____	Barrier-Free				
[] Electric Plans Approved	Trench				
Date: _____ Approved by: _____	Temp. Serv.				
Joint Plan Review Required:	Constr. Serv. <u>Partial Rough</u>				
[] Bldg. [] Plumb. [] Fire. [] Elev.	TCO				
SUBCODE APPROVAL for PERMIT	Other <u>Slab Walked</u>				
Date: _____	Service <u>PANAMA</u>				
Approved by: _____	Final				
SUBCODE APPROVAL for CERTIFICATE	Barrier-Free				
[] CO [] CCO [] CA	Temp. Cut-in-Card Date Issued				
Date: <u>10/3/19</u>	Final Cut-in-Card Date Issued				
Approved by: _____	Annual Pool Inspection				
	Date of Grounding and Bonding Certification				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here:

Print name here: John A. Allphase

[X] Licensed Elec. Contractor [] Certif'd Landscape Irrigation Contr. [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

Installation of Supermarket Wiring & Equip

QTY	SIZE	ITEMS	FEE (Office Use Only)
<u>175</u>		Lighting Fixtures	
<u>75</u>		Receptacles	
<u>13</u>		Switches	
		Detectors	
		Light Poles	
		Motors—Fract. HP	
		Emergency & Exit Lights	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		<u>20A Ref. Case</u>	
		TOTAL NUMBERS	
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW Elec. Range/Receptacle	
		KW Oven/Surface Unit	
		KW Elec. Water Heater	
		KW Elec. Dryer/Receptacle	
		KW Dishwasher	
		HP Garbage Disposal	
		KW Central A/C Unit	
		HP/KW Space Heater/Air Handler	
		KW Baseboard Heat	
		HP Motors 1/+ HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	
<u>1</u>	<u>200A</u>	<u>Retng Unit</u>	

Administrative Surcharge	\$
Minimum Fee	\$
State Permit Surcharge Fee	\$
TOTAL FEE	\$



IKADER JOES

BUILDING SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 671 Lot 101 Qualification Code _____
Work Site Location 110 Brick Plaza, Space 48A, BRICK NJ 08723

510 Chambers Bridge Rd

Owner in Fee: Federal Realty

Tel. 484-419-1208 e-mail ncain@federalrealty.com

Address 50 East Wynnwood Rd, Ste #200, Wynnwood PA 19096

Contractor: Retail Project Management NY Inc. Tel. 631-218-3970

Address 925 Lincoln Ave. e-mail jon@retailproject.com
Walbrook, NY 11741

Contractor License No. or Builder Registration No. 0100-9460-73 Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. 11-3419035 FAX: 631-218-3980

JOB SUMMARY (Office Use Only)		PLAN REVIEW		INSPECTIONS		Dates (Month/Day)	
	Date	Initial		Type:	Failure	Failure	Approval
☐ No Plans Required							
☒ All	<u>4-18-19</u>	<u>JS</u>		Footings			
☐ Footings/Foundations				Footings Bonding			
☐ Structural/Framework				Foundation			
☐ Exterior				Slab			
☐ Interior				Frame			
				Truss Sys./Bracing			
Joint Plan Review Required:				Barrier-Free			
☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator				Insulation			
SUBCODE APPROVAL FOR PERMIT				Finishes -Base Layer			
Date: <u>4-18-19</u>				Finishes -Final			
Approved by: <u>JS</u>				Energy			
SUBCODE APPROVAL for CERTIFICATE				Mechanical			
☒ CO ☐ CCO ☐ CA				TCO			
Date: <u>10/04/19</u>				Other			
Approved by: <u>JS</u>				Final	<u>10-3-19</u>	<u>JS</u>	<u>10-4-19</u>
				Barrier-Free			

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed M Constr. Class Present 11-B Proposed _____

No. of Stories 1 If Industrialized Building: _____

Height of Structure _____ ft. State Approved _____ HUD _____

Area — Largest Floor 13226 sq. ft. Est. Cost of Bldg. Work:

New Bldg. Area/All Floors _____ sq. ft.

Volume of New Structure _____ cu. ft.

Max. Live Load _____

Max. Occupancy Load 370

U.C.C. F110 (rev. 11/09)
Internet version

Date Received
Control #

5/23/19

Date Issued
Permit #

19-1297

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: Jonathan Bonet

Print name here: Jonathan Bonet

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Interior Fit-out
of Grocery store.

COMMERCIAL

TYPE OF WORK:

- ☐ New Building
☐ Addition
☒ Rehabilitation
☐ Roofing
☐ Siding
☐ Fence _____ Height (exceeds 6')
☐ Sign _____ Sq. Ft.
☐ Pool
☐ Retaining Wall _____ Sq. Ft.
☐ Asbestos Abatement Subchapter 8
☐ Lead Haz. Abatement NJAC 5:17
☐ Radon Remediation
☐ Other _____
☐ Demolition

FEE (Office Use Only)

\$ _____

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

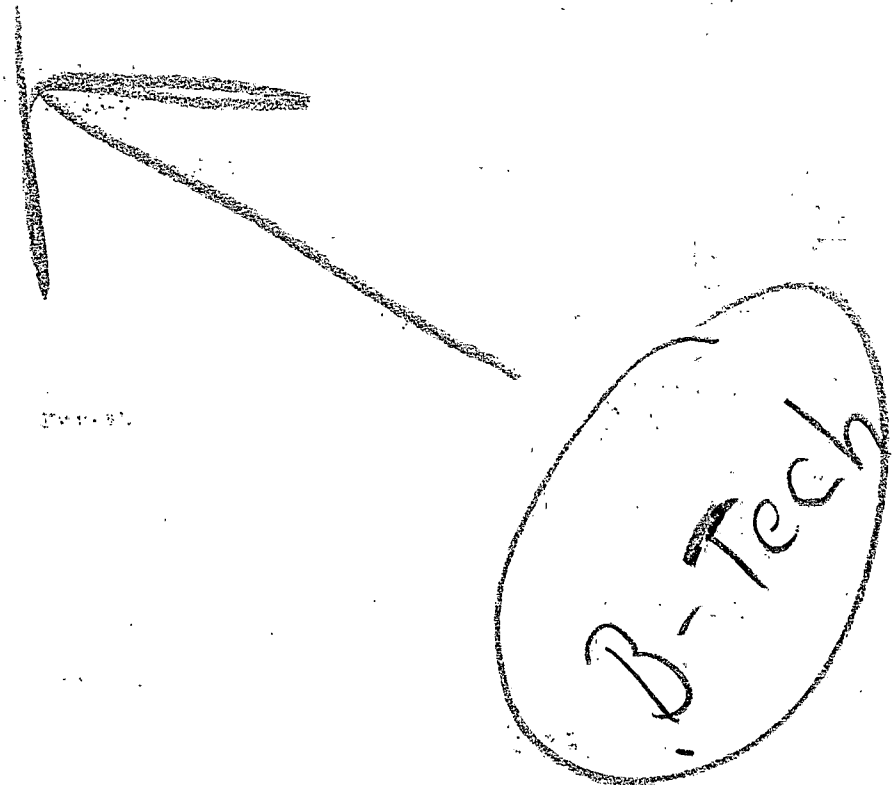
TOTAL FEE \$ _____

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

7/11/19 PM SLAB - Received Tech from builder Rick/Scott Spred #18 wire
and Pressure treated wood at Refrigerator slab in NW of
Redwood.

10/3/19 PM Final all Good, just need to fix emergency light
front Entrance.

COMMERCIAL





Brick Township
401 Chambers Bridge Rd.

Brick, NJ 08723
(732) 262-1041

Date Issued:

Application Number:

Application Date:

Project Number:

Permit Number:

Fee:

5/23/19
ZA-19-00361

4/1/2019

2P-14-00550

\$75.00

Zoning Permit

Worksite **56 CHAMBERS BRIDGE RD.**

Location: **Brick Township, NJ**

Owner: **FEDERAL REALTY INVESTMENT TRUST %**

Address: **PO PO BOX 92129 (ALTUS GROUP
SOUTHLAKE, TX 76092**

Applicant: **RETAIL PROJECT MANAGEMENT NY INC**

Address: **925 LINCOLN AVE
HOLBROOK, NJ 11741**

Block: 671 Lot: 1.01 Qualifier: _____ Zone: B-3

This Certifies that an application for the issuance of a Zoning Permit has been examined.

Present Use: Furniture Store

☐ Non Conforming Use

☐ Non Conforming Structure

Proposed Use: Retail Store (Trader Joes)

Work Description:

Rehabilitation, Tenant Fit-Up - Interior alterations for new tenant. Changing from Ethan Allen to "Trader Joes."

Additional Zoning Permit is required for additional work and signage.

Application Approved Date: 4/9/2019

Upon review it was determined that the Zoning Permit:

☒ Permitted by Ordinance

☐ Permitted by Variance approved on: _____

☐ Approved with Conditions

☐ Valid Nonconforming Use/Structure is established by

☐ Zoning Board of Adjustment

☐ Zoning Officer

Christopher J. Romano, Zoning Officer

4/9/2019

Date



Date Issued _____
Control # C-19-001116
Permit # 19 1297

IDENTIFICATION	Block: <u>671</u>	Lot: <u>1.01</u>	Qualifier	
Work Site Location:	<u>56 CHAMBERS BRIDGE RD. Brick Township, NJ</u>		Contractor	<u>RETAIL PROJECT MANAGEMENT NY INC</u>
			Address	<u>925 LINCOLN AVE HOLBROOK NY 11741</u>
Owner in Fee	<u>FEDERAL REALTY INVESTMENT TRUST %</u>			
	<u>PO BOX 92129 (ALTUS GROUP SOUTH LAKE TX</u>		Telephone:	<u>(631) 218-3970</u>
	<u>76092</u>		Lic. No. or Bldrs. Reg. No.	
Telephone:			Federal Employee. No.	

Is hereby granted permission to perform the following work:

- ☒ BUILDING
 ☒ PLUMBING
 ☐ LEAD HAZARD ABATEMENT
- ☒ ELECTRICAL
 ☐ FIRE PROTECTION
 ☐ DEMOLITION
- ☐ ELEVATOR DEVICES
 ☐ ASBESTOS ABATEMENT
(Subchapter 8 only)
 ☐ OTHER

DESCRIPTION OF WORK:

TENANT FIT UP - TRADER JOE'S

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 \$1,135,000

Construction Official

Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4. GOLD - APPLICANT

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C.5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

- ☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:
1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
 2. Foundations and all walls up to grade level prior to back filling.
 3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
 4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:
- ☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".
- ☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

PAYMENTS (Office Use Only)	
Building _____	\$31,100
Electrical _____	\$3,295
Plumbing _____	\$712
Fire Protection _____	\$0
Elevator Devices _____	\$0
Other _____	\$0.00
DCA Training Fee _____	\$2,156
CO Fee _____	\$150.00
Other _____	\$0
Total _____	\$37,413
Check No. _____	
Cash _____	\$0
Credit _____	\$0
Collected By _____	



PERMIT UPDATE

Date Update Issued 5/23/19
Control # C-19-001116+A
Permit # +A

19-1297-A

IDENTIFICATION Block: 671 Lot: 1.01 Qualifier _____
Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Contractor RETAIL PROJECT MANAGEMENT NY INC
Address 925 LINCOLN AVE HOLBROOK NY 11741
Owner in Fee FEDERAL REALTY INVESTMENT TRUST %
PO BOX 92129 (ALTUS GROUP SOUTHLAKE TX Telephone: (631) 218-3970
76092 Lic. No. or Bldrs. Reg. No. _____
Telephone: _____ Federal Employee No. _____

Is hereby granted permission to perform the following work:

- | | | |
|---|--|--|
| ☐ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☐ ELECTRICAL | ☒ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter 8 only) | ☐ OTHER |

DESCRIPTION OF WORK:

TENANT FIT UP - TRADER JOE'S ...UPDATE +A - SPRINKLERS

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 \$30,000

D. Vawter
Construction Official

5/17/19
Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$0
Plumbing	\$0
Fire Protection	\$290
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$57
CO Fee	
Other	\$0
Total	\$347
Check No.	<u>26118</u>
Cash	\$0
Credit	\$0
Collected By:	<u>BW</u>

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



PERMIT UPDATE

Date Update Issued 5/23/19
Control # C-19-001116+B
Permit # +B

19-1297-B

IDENTIFICATION Block: 671 Lot: 1.01 Qualifier _____
Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Contractor RETAIL PROJECT MANAGEMENT NY INC
Address 925 LINCOLN AVE HOLBROOK NY 11741
Owner in Fee FEDERAL REALTY INVESTMENT TRUST % Telephone: (631) 218-3970
PO BOX 92129 (ALTUS GROUP SOUTHLAKE TX Lic. No. or Bids. Reg. No. _____
76092 Federal Employee No. _____
Telephone: _____

Is hereby granted permission to perform the following work:

- | | | |
|--|--|--|
| ☐ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☒ ELECTRICAL | ☒ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter 8 only) | ☐ OTHER |

DESCRIPTION OF WORK:

TENANT FIT UP - TRADER JOE'S ...UPDATE +B - ALARM SYSTEM

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 \$8,054

Construction Official _____

Date 5/17/19

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$150
Plumbing	\$0
Fire Protection	\$116
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$16
CO Fee	
Other	\$0
Total	\$282

Check No. 20190523
Cash 2019 0523 \$0
Credit 2019 0523 \$0
Collected By EW

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

- ☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:
1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
 2. Foundations and all walls up to grade level prior to back filling.
 3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
 4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

- ☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

- ☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



PERMIT UPDATE

Date Update Issued _____
Control # C-19-001116+C
Permit # 19-1297+C

IDENTIFICATION Block: 671 Lot: 1.01 Qualifier _____
Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Contractor RETAIL PROJECT MANAGEMENT NY INC
Address 925 LINCOLN AVE HOLBROOK NY 11741
Owner in Fee FEDERAL REALTY INVESTMENT TRUST %
PO BOX 92129 (ALTUS GROUP SOUTH LAKE TX Telephone: (631) 218-3970
76092 Lic. No. or Bldrs. Reg. No. _____
Telephone: _____ Federal Employee No. _____

Is hereby granted permission to perform the following work:

- | | | |
|---|--|--|
| ☐ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☐ ELECTRICAL | ☒ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter 8 only) | ☐ OTHER |

DESCRIPTION OF WORK:

TENANT FIT UP - TRADER JOE'S ...UPDATE +C - REVISED SPRINKLER DRAWINGS AND
ADDED 33 HEADS

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 \$33,000

Construction Official: [Signature]

Date: 8/15/19

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$0
Plumbing	\$0
Fire Protection	\$175
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$63
CO Fee	
Other	\$0
Total	\$238
Check No.	
Cash	\$0
Credit	\$0
Collected By	

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

- ☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

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2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

- ☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

- ☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



PERMIT UPDATE

Date Update Issued 10/3/2019
Control # C-19-001116+D
Permit # 19-1297+D

IDENTIFICATION Block: 671 Lot: 1.01 Qualifier _____
Work Site Location: 56 CHAMBERS BRIDGE RD. Brick Township, NJ Contractor RETAIL PROJECT MANAGEMENT NY INC
Address 925 LINCOLN AVE. HOLBROOK NY 11741
Owner in Fee FEDERAL REALTY INVESTMENT TRUST %
PO BOX 92129 (ALTUS GROUP SOUTHLAKE TX
76092 Telephone: (631) 218-3970
Lic. No. or Bldrs. Reg. No. _____
Federal Employee No. _____

Is hereby granted permission to perform the following work:

- ☐ BUILDING ☒ PLUMBING ☐ LEAD HAZARD ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☐ OTHER

DESCRIPTION OF WORK:

TENANT FIT UP - TRADER JOE'S - SPACE 43 ...BACKFLOWS

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 \$450

[Signature] 10/3/19
Construction Official Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building _____ \$0
Electrical _____ \$0
Plumbing _____ \$200
Fire Protection _____ \$0
Elevator Devices _____ \$0
Other _____ \$0.00
DCA Training Fee _____ \$1
CO Fee _____
Other _____ \$0
Total _____ \$201
Check No. _____ 253
Cash _____ \$0
Credit _____ \$0
Collected By _____ Nichol Ponsi

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

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2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

- ☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

- ☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

RECEIVING CLERK

DATE REC'D

3/26/19

ZONING PERMIT APPLICATION

PERMIT #

5/23/19

DATE ISSUED

27-19-00558

BLOCK:

671

LOT:

1.01

QUALIFIER:

—

SITE ADDRESS:

110 Brick Plaza Suite 434, BRK NJ 08123

IDENTIFICATION:

1. NAME OF OWNER IN FEE:

Federal Realty

COMPLETE ADDRESS:

508 Wynnwood Rd 318#200

Wynnwood, PA 19076

PHONE #

484-419-1208

EMAIL:

mcairn@federalrealty.com

2. NAME OF APPLICANT:

Retail Project Management

APPLICANT ADDRESS:

925 Lincoln Ave,

Holtbrook, NY 11741

PHONE #

631-218-3970

EMAIL:

jon@retailproject.com

3. RESPONSIBLE PERSON FOR WORK:

Jonathan Bennett

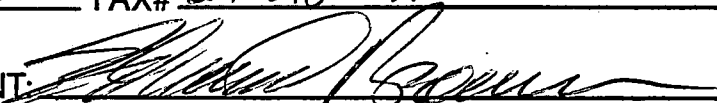
PHONE #

631-218-3970

FAX #

631-218-3970

4. SIGNATURE OF APPLICANT:



FOR OFFICE USE ONLY

FEE SUMMARY:

APPLICATION FEE: \$

75-

OTHER: \$

TOTAL: \$

75-

REQUIRED BY APPLICANT

RESIDENTIAL: ☐COMMERCIAL: ☒

EXISTING USE:

Ethan Allen

PROPOSED USE:

TRADER Joe's

BOARD APPROVAL: ☐ PB ☐ ZB

RESOLUTION#:

APPROVAL DATE:

PROJECT DESCRIPTION: (PLEASE CHECK APPLICABLE WORK & DESCRIBE)

*NEW BUILDING: ☐*ADDITION ☐*ALTERATION ☐*PORCH ☐*DECK ☐POOL: ABOVE GROUND ☐IN GROUND ☐FENCE: HEIGHT ☐TYPE ☐MATERIAL ☐HEIGHT: ☐

(*IF APPLICABLE)

OTHER ☐

DESCRIPTION:

Interior Kit out of Grocery Store

ZONING REVIEW:

DATE REVIEWED:

4-9-19

DATE DENIED: ☐

DATE APPROVED:

4-9-19

INTLS: ☐

CM

(SEE BACK PAGE)

TOWNSHIP OF BRICK ZONING CHECKLIST

1) Four (4) copies of plot plan containing:

- All existing and proposed structures
- All dimensions of the lot and structures
- All setbacks from the structures to the property lines
- All adjacent streets and waterways
- If applicable, include a copy of the Zoning Board of Adjustment Resolution, the date that the map was signed, and/or the date that the subdivision map was filed with the Ocean County Clerk, along with the file map and number.

2) Two copies of the plans with dimensions and heights noted:

- Floor plans and elevations
- Signed site plans
- Property map
- Survey map

Choose which is applicable for submission

3) Plot plans and building plans must match for complete review

NOTE: NO PARTIAL, TAPED, FAXED, REDUCED OR ENLARGED COPIES CAN BE ACCEPTED

OFFICE USE ONLY

ZONING REVIEW:

DATE REVIEWED: _____ DATE DENIED: _____ DATE APPROVED: _____ INTLS: _____

[illegible]

LAND USE

245 Attachment 5

Township of Brick

SCHEDULE OF AREA, YARD AND BUILDING REQUIREMENTS

Township of Brick
Ocean County, New Jersey

[Amended 6-26-1979 by Ord. No. 354-2B-79; 4-22-1980 by Ord. No. 354-2H-80; 10-14-1980 by Ord. No. 354-2N-80; 9-23-1980 by Ord. No. 354-1B-80; 8-25-83 by Ord. No. 354-2SS-83; 11-5-1984 by Ord. No. 354-2AAA-84; 11-5-1984 by Ord. No. 354-2CCC-84; 6-24-1986 by Ord. No. 354-2WWW-86; 9-13-1988 by Ord. No. 354-2TTTT-88; 9-27-1988 by Ord. No. 354-2XXXX-88; 9-12-2000 by Ord. No. 354-2EE-00; 5-9-2000 by Ord. No. 354-2Z-00; 3-26-2002 by Ord. No. 354-2C-02; 11-26-2002 by Ord. No. 354-2L-02; 3-25-2003 by Ord. No. 354-2D-03; 6-13-2006 by Ord. No. 19-06]

Zone	Minimum Lot Size						Minimum Required Yard Depth						Maximum Lot Coverage by Building	Maximum Building Height				Minimum Floor/ Building Area (square feet) 2 stories/1 story	Maximum Allowable Impervious Coverage	
	Interior Lots			Corner Lots			Principal Building				Accessory Building			Maximum Building Height						
	Area (square feet)	Width (feet)	Depth (feet)	Area (square feet)	Width (feet)	Depth (feet)	Front Yard (feet)	Side Yard, Each (feet)	Both Sides Combined (feet)	Rear Yard (feet)	Side Yard (feet)	Rear Yard ¹ (feet)		Stories	Eaves (feet)	Feet	Ridge (feet)			
R-R	40,000	150	150	40,000	150	150	50	25			50	25	25	25%	—	26			—	
RR-2	See § 245-90.																			
RR-3	See § 245-103.																			
R-20	20,000	100	125	25,000	100	125	40	15	—		40	10	10	25%	—	26	35	38.5	—	
R-15	15,000	100	115	17,250	100	115	35	12	—		35	10	10	25%	—	26	35	38.5	—	
R-10	10,000	90	100	10,500	100	100	30	6	20		20	5	5	30%	—	26	35	38.5	—	
R-7.5	7,500	75	90	9,000	75	90	25	6	15		15	5	5	30%	—	26	35	38.5	—	
R-5	5,000	50	75	6,000	50	75	20	5	12		15	5	5	35%	—	26	35	38.5	—	
O-P	15,000	100	150	15,000	100	150	50	10	—		50	20	50	35% ²	2	—	35	38.5	1,500	70%
B-1	10,000	100	90	12,500	100	125	30	10	—		20	10	20	30% ²	2	—	35	38.5	1,000	60%
B-2	20,000	125	125	20,000	125	125	50	10	—		50	10	50	30% ²	2	26	35	38.5	2,000	65%
B-3	2 acres	200	200	2 acres	200	200	75	30	—		50	20	50	25% ²	—	—	35	38.5	2,000	65%
B-4	5 acres	300	300	—	—	—	100	50(150 ¹)	—		100(150 ¹)	20	50	25%	3	—	35	38.5	30,000	70%
M-1	5 acres	300	300	5 acres	300	300	100	50	—		150	75	150	30% ²	—	—	35	38.5	5,000	65%
R-M	25 acres	350	200	—	—	—	50	50	—		30	30	30	20%	—	26	35	38.5	—	65%
O-P-T	40,000	150	150	40,000	150	150	50	20	—		50	20	50	25% ²	2	—	35	38.5	2,000	50%
H-S	See § 245-261.																			
															—	—	—	—		70%

NOTES:

- ¹ If adjacent to residential zone or use.
- ² The maximum lot coverage shall refer only to that percentage of an affected lot which is suitable for building.
- ³ For rear yard setback requirements for accessory buildings on waterfront property, see § 245-10B.

FOR REFERENCE ONLY

ENGINEERING PERMIT APPLICATION

RECEIVING CLERK: _____

PERMIT #: _____

BLOCK: 671 LOT: 1.01 ADDRESS: 110 Brick Plaza Space 43A, Brick NJ 08723**IDENTIFICATION:**

1. WORK SITE ADDRESS: 110 Brick Plaza Space 43A Brick NJ 08723
2. NAME OF OWNER IN FEE: Federal Realty
ADDRESS: 50 E. Wynnwood Rd, Ste 500 PHONE #: 484 419-1208
Wynnwood, PA 19096 FAX #: () _____
3. PRINCIPAL CONTRACTOR: Retail Project Management
ADDRESS: 925 Lincoln Ave. PHONE #: (631) 218-3970
Holbrook, NY 11741 FAX #: (631) 218-3980
4. ARCHITECT OR ENGINEER: Bergmann Architects Engineer
ADDRESS: 181 Washington St. PHONE: # (484) 567-7670
5. RESPONSIBLE PERSON FOR WORK: Jonathan Bonett
ADDRESS: 925 Lincoln Ave, Holbrook NY 11741
PHONE #: (631) 218-3970 FAX #: () _____ E-MAIL: JBonett@bergmannpa.com

PROJECT DESCRIPTION: ☐ GRADING/CLEARING ☐ ROAD OPENING
☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☐ POOL
☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL _____
☐ OTHER _____
LENGTH: _____ WIDTH: _____ HEIGHT: _____

FEE SUMMARY:

APPLICATION FEE: \$ _____
REVIEW FEE: \$ _____
INSPECTION FEE: \$ _____
OTHER _____: \$ _____
BOND(S): \$ _____
TOTAL: \$ _____

SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: _____
DRAINAGE EASEMENTS: _____
UTILITY EASEMENTS: _____
CONSERVATION EASEMENTS: _____
FEMA REQUIREMENTS: _____
D.E.P. PERMITS: _____
BOARD APPROVAL: ☐ PB ☐ ZB
APPLICATION NUMBER: _____
APPROVED DATE: _____

ENGINEERING REVIEW:

DATE RECEIVED: _____ DATE REJECTED: _____ DATE APPROVED: _____ INITIALS: _____

**THE BRICK TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY**

1551 HIGHWAY 88 WEST
BRICK, NEW JERSEY 08724
(732) 458-7000

CERTIFICATE OF COMPLIANCE

Date 9/26/19

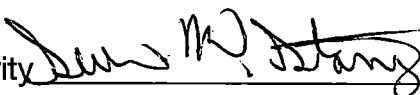
NAME Federal Realty Investment

ADDRESS PO Box 182601 Columbus OH 43215-2601

PROPERTY LOCATION 10 Brick Plaza (Trader Joes)

Account No 3592814-8 Block 671 Lot 1.01

I hereby certify that the above applicant has complied with all Rules and Regulations of this Authority and has paid all required fees and charges.

For the Authority 

CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR

A ABOVEGROUND PIPING

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME		Ethan Allen / Vanilla Box (Shell)				Date	5/22/19	
PROPERTY ADDRESS		Brick Nova 56 Chambers Bridge, Brick, NJ						
PLANS	ACCEPTED BY APPROVING AUTHORITY(S) NAMES							
	ADDRESS							
	INSTALLATION CONFORMS TO ACCEPTED PLANS						☒ YES	☐ NO
	EQUIPMENT USED IS APPROVED						☒ YES	☐ NO
INSTRUCTIONS	IF NO, EXPLAIN DEVIATIONS							
	HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT?							
							☐ YES	☒ NO
	IF NO, EXPLAIN							
LOCATION OF SYSTEM	SUPPLIES BUILDING:							
	HAVE COPIES OF THE FOLLOWING BEEN LEFT ON THE PREMISES:							
	1. SYSTEM COMPONENTS INSTRUCTIONS						☐ YES	☒ NO
	2. CARE AND MAINTENANCE INSTRUCTIONS						☐ YES	☒ NO
SPRINKLERS	3. NFPA 25							
PIPE AND FITTINGS	Type of Pipe: Schd. 40 <u>Lightwall</u>							
	Type of Fittings: Cast iron 125# and <u>Grooved</u>							
ALARM VALVE OR FLOW INDICATOR	ALARM DEVICE				MAXIMUM TIME TO OPERATE THRU TEST CONNECTION			
	TYPE	MAKE	MODEL	MIN.	SEC.			
	<u>Vein</u>	<u>System</u>	<u>VSF4</u>	<u>0</u>	<u>45</u>			
	Q.O.D.							
DRY PIPE OPERATING TEST	MAKE		MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.	
	TIME TO TRIP THRU TEST CONNECTION*		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIR PRESSURE	TIME WATER REACHED TEST OUTLET*	ALARM OPERATED PROPERLY	
	MIN.	SEC.	PSI	PSI	PSI	MIN.	SEC.	
	Without Q.O.D.							
	With Q.O.D.							
	YES							NO
IF NO, EXPLAIN:								

*MEASURED FROM TIME INSPECTOR'S TEST CONNECTION OPENED.

(OVER)

Vanilla Box

DELUGE & PREACTION VALVES <i>NA</i>	OPERATION							
	☐ PNEUMATIC ☐ ELECTRIC ☐ HYDRAULIC							
	PIPING SUPERVISED ☐ YES ☐ NO DETECTING MEDIA SUPERVISED ☐ YES ☐ NO							
	DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE CONTROL STATIONS ☐ YES ☐ NO							
TEST DESCRIPTION	IS THERE AN ACCESSIBLE FACILITY IN EACH CIRCUIT FOR TESTING ☐ YES ☐ NO IF NO, EXPLAIN							
	MAKE	MODEL	DOES EACH CIRCUIT OPERATE SUPERVISION LOSS ALARM?		DOES EACH CIRCUIT OPERATE VALVE RELEASE?		MAXIMUM TIME TO OPERATE RELEASE	
			YES	NO	YES	NO	MIN.	SEC.
			☐		☐			
TESTS	HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.6 bars) for two hours or 50 psi (3.4 bars) above static pressure in excess of 150 psi (10.2 bars) for two hours. Differential dry-pipe valve clappers shall be left open during test to prevent damage. All aboveground piping leakage shall be stopped.							
	PNEUMATIC: Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours.							
	ALL PIPING HYDROSTATICALLY TESTED AT <u>200</u> PSI FOR <u>2</u> HRS. IF NO, STATE REASON:							
	DRY PIPING PNEUMATICALLY TESTED ☐ YES ☐ NO							
TESTS	EQUIPMENT OPERATES PROPERLY ☐ YES ☐ NO							
	DO YOU CERTIFY AS THE SPRINKLER CONTRACTOR THAT ADDITIVES AND CORROSIVE CHEMICALS, SODIUM SILICATE OR DERIVATIVES OF SODIUM SILICATE, BRINE, OR OTHER CORROSIVE CHEMICALS WERE NOT USED FOR TESTING SYSTEMS OR STOPPING LEAKS? ☒ YES ☐ NO							
	DRAIN TEST	READING OF GAGE LOCATED NEAR WATER SUPPLY TEST CONNECTION: <u>5</u> PSI				RESIDUAL PRESSURE WITH VALVE IN TEST CONNECTION OPEN WIDE <u>5</u> PSI		
	UNDERGROUND MAIN AND LEAD IN CONNECTIONS TO SYSTEM RISERS FLUSHED BEFORE CONNECTION MADE TO SPRINKLER PIPING							
BLANK TESTING GASKETS	NUMBER USED				LOCATIONS:			NUMBER REMOVED
	<u>Zero</u>							
	WELDED PIPING ☒ YES ☐ NO IF YES...							
	DO YOU CERTIFY AS THE SPRINKLER CONTRACTOR THAT WELDING PROCEDURES COMPLY WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3? ☒ YES ☐ NO							
WELDING	DO YOU CERTIFY THAT THE WELDING WAS PERFORMED BY WELDERS QUALIFIED IN COMPLIANCE WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3? ☒ YES ☐ NO							
	DO YOU CERTIFY THAT WELDING WAS CARRIED OUT IN COMPLIANCE WITH A DOCUMENTED QUALITY CONTROL PROCEDURE TO INSURE THAT ALL DISCS ARE RETRIEVED, THAT OPENINGS IN PIPING ARE SMOOTH, THAT SLAG AND OTHER WELDING RESIDUE ARE REMOVED, AND THAT THE INTERNAL DIAMETERS OF PIPING ARE NOT PENETRATED? ☒ YES ☐ NO							
	CUTOUTS (DISCS) DO YOU CERTIFY THAT YOU HAVE A CONTROL FEATURE TO ENSURE THAT ALL CUTOUTS (DISCS) ARE RETRIEVED? ☒ YES ☐ NO							
	HYDRAULIC DATA NAMEPLATE NAME PLATE PROVIDED ☒ YES ☐ NO IF NO, EXPLAIN:							
REMARKS	DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: <u>9/25/19</u>							
	NAME OF SPRINKLER CONTRACTOR: <u>Premier Fire Systems</u>							
SIGNATURES	FOR PROPERTY OWNER (SIGNED) <u>[Signature]</u>				TESTS WITNESSED BY		DATE	
	FOR SPRINKLER CONTRACTOR (SIGNED) <u>[Signature]</u>				TITLE <u>PM</u>		DATE <u>5/22/19</u>	
				TITLE <u>Superior</u>		DATE <u>5/22/19</u>		

ADDITIONAL EXPLANATION AND NOTES

(BACK)

CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR

A BOVEGROUND PIPING

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME <u>Trader Joe's</u>						Date <u>9/16/19</u>		
PROPERTY ADDRESS <u>Brick Plaza 56 Chambers Bridge Brick, NJ</u>								
ACCEPTED BY APPROVING AUTHORITY(S) NAMES								
ADDRESS								
PLANS	INSTALLATION CONFORMS TO ACCEPTED PLANS						☒ YES ☐ NO	
	EQUIPMENT USED IS APPROVED						☒ YES ☐ NO	
IF NO, EXPLAIN DEVIATIONS								
INSTRUCTIONS	HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT?						☐ YES ☒ NO	
	IF NO, EXPLAIN							
LOCATION OF SYSTEM	SUPPLIES BUILDING: <u>Trader Joe only</u>							
SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING		
	<u>Victaulic</u>	<u>V3805</u>	<u>2019</u>	<u>1/2</u>	<u>113</u>	<u>155</u>		
	<u>Tyco</u>	<u>TY5334</u>	<u>2019</u>	<u>1/2</u>	<u>9</u>	<u>155</u>		
PIPE AND FITTINGS	Type of Pipe: <u>Schd. 40</u> <u>Lightwall</u> Type of Fittings: <u>Cast iron 125#</u> and <u>Grooved</u>							
ALARM VALVE OR FLOW INDICATOR	ALARM DEVICE			MAXIMUM TIME TO OPERATE THRU TEST CONNECTION				
	TYPE	MAKE	MODEL	MIN.	SEC.			
DRY PIPE OPERATING TEST	<u>Vein</u>	<u>System</u>	<u>V5F4</u>	<u>0</u>	<u>45</u>			
	DRY VALVE			Q.O.D.				
	MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.		
	TIME TO TRIP THRU TEST CONNECTION*		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIR PRESSURE	TIME WATER REACHED TEST OUTLET*	ALARM OPERATED PROPERLY	
	MIN. SEC.		PSI	PSI	PSI	MIN. SEC.	YES	NO
	Without Q.O.D.						☐	☐
	With Q.O.D.						☐	☐
IF NO, EXPLAIN:								

*MEASURED FROM TIME INSPECTOR'S TEST CONNECTION OPENED.

(OVER)

Trader Joe's

DELUGE & PREACTION VALVES <i>NA</i>	OPERATION ☐ PNEUMATIC ☐ ELECTRIC ☐ HYDRAULIC								
	PIPING SUPERVISED ☐ YES ☐ NO				DETECTING MEDIA SUPERVISED ☐ YES ☐ NO				
	DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE CONTROL STATIONS ☐ YES ☐ NO								
	IS THERE AN ACCESSIBLE FACILITY IN EACH CIRCUIT FOR TESTING ☐ YES ☐ NO				IF NO, EXPLAIN				
TEST DESCRIPTION	MAKE	MODEL	DOES EACH CIRCUIT OPERATE SUPERVISION LOSS ALARM?		DOES EACH CIRCUIT OPERATE VALVE RELEASE?		MAXIMUM TIME TO OPERATE RELEASE		
			YES	NO	YES	NO	MIN.	SEC.	
TESTS	HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.6 bars) for two hours or 50 psi (3.4 bars) above static pressure in excess of 150 psi (10.2 bars) for two hours. Differential dry-pipe valve clappers shall be left open during test to prevent damage. All aboveground piping leakage shall be stopped.								
	PNEUMATIC: Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours.								
	ALL PIPING HYDROSTATICALLY TESTED AT <u>200</u> PSI FOR <u>2</u> HRS.				IF NO, STATE REASON:				
	DRY PIPING PNEUMATICALLY TESTED ☐ YES ☐ NO								
	EQUIPMENT OPERATES PROPERLY ☐ YES ☐ NO								
	DO YOU CERTIFY AS THE SPRINKLER CONTRACTOR THAT ADDITIVES AND CORROSIVE CHEMICALS, SODIUM SILICATE OR DERIVATIVES OF SODIUM SILICATE, BRINE, OR OTHER CORROSIVE CHEMICALS WERE NOT USED FOR TESTING SYSTEMS OR STOPPING LEAKS? ☐ YES ☐ NO								
	DRAIN TEST	READING OF GAGE LOCATED NEAR WATER SUPPLY TEST CONNECTION: <u>15</u> PSI				RESIDUAL PRESSURE WITH VALVE IN TEST CONNECTION OPEN WIDE <u>103</u> PSI			
	UNDERGROUND MAIN AND LEAD IN CONNECTIONS TO SYSTEM RISERS FLUSHED BEFORE CONNECTION MADE TO SPRINKLER PIPING								
	OTHER				EXPLAIN				
	VERIFIED BY COPY OF THE U FORM NO. 85B ☐ YES ☐ NO								
FLUSHED BY INSTALLER OF UNDERGROUND SPRINKLER PIPING ☐ YES ☐ NO									
BLANK TESTING GASKETS	NUMBER USED <u>Zero</u>		LOCATIONS:					NUMBER REMOVED	
	WELDED PIPING ☒ YES ☐ NO								
WELDING	IF YES...								
	DO YOU CERTIFY AS THE SPRINKLER CONTRACTOR THAT WELDING PROCEDURES COMPLY WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3? ☒ YES ☐ NO								
	DO YOU CERTIFY THAT THE WELDING WAS PERFORMED BY WELDERS QUALIFIED IN COMPLIANCE WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3? ☒ YES ☐ NO								
	DO YOU CERTIFY THAT WELDING WAS CARRIED OUT IN COMPLIANCE WITH A DOCUMENTED QUALITY CONTROL PROCEDURE TO INSURE THAT ALL DISCS ARE RETRIEVED, THAT OPENINGS IN PIPING ARE SMOOTH, THAT SLAG AND OTHER WELDING RESIDUE ARE REMOVED, AND THAT THE INTERNAL DIAMETERS OF PIPING ARE NOT PENETRATED? ☒ YES ☐ NO								
CUTOUTS (DISCS)	DO YOU CERTIFY THAT YOU HAVE A CONTROL FEATURE TO ENSURE THAT ALL CUTOUTS (DISCS) ARE RETRIEVED? ☒ YES ☐ NO								
HYDRAULIC DATA NAMEPLATE	NAME PLATE PROVIDED ☒ YES ☐ NO				IF NO, EXPLAIN:				
	DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: <u>9/15/19</u>								
REMARKS	<u>Premier Fire Systems</u>								
SIGNATURES	NAME OF SPRINKLER CONTRACTOR: <u>Ed Brown</u>								
	FOR PROPERTY OWNER (SIGNED)				TITLE		DATE		
	FOR SPRINKLER CONTRACTOR (SIGNED)				TITLE		DATE		

ADDITIONAL EXPLANATION AND NOTES

(BACK)

HYDRAULIC CALCULATIONS

for:
Proposed Renovations for:

Space 43 Shell Black Box - Brick Plaza
Future Trader Joes
56 Chambers Bridge Road
Brick, New Jersey 08723

DESIGN DATA: CALCULATION #1

Area Calculated: Most Demanding/Remote
System 1 - Wet - Uprights
Hazard: OHG2 - Temporary Storage
Density: 0.20 gpm/ft
Minimum Pressure Per Head: 7 psi
Area: 967.5 Sq. Ft.
No. Sprinklers Calculated: 3
Area Per Sprinkler: 130 Sq. Ft. Max.
Hose Demand: 250.000 gpm
Total Water Required: 484.170 gpm
Total Pressure Required: 54.814 psi
Safety Margin: 18.26 psi

DESIGN DATA: CALCULATION #2

Area Calculated: Most Demanding/Remote
System 1 - Wet - Sidewalls
Hazard: OHG2 - Storage
Density: 0.20 gpm/ft
Minimum Pressure Per Head: 20.7 psi
Area: 855 Sq. Ft. - Entire Area
No. Sprinklers Calculated: 4
Area Per Sprinkler: 16' x 16' Max.
Hose Demand: 250.000 gpm
Total Water Required: 454.872 gpm
Total Pressure Required: 50.038 psi
Safety Margin: 23.24 psi

JOB: # 283

Installing Contractor:
Premier Fire Systems
License # P00647
2 Ilene Court #21
Hillsborough, N.J. 08844
TEL: (908) 874-4414

No.	Revision/Issue	Date
1	Preliminary Design	02/07/2019
2	Released for Submittal	02/11/2019
3	Updated Pipe Direction	02/22/2019
4	Added Sidewalls	03/28/2019
5	Added Pendants in Clg.	08/07/2019
6		
7		
8		
9		

FIRE SPRINKLER DESIGN BY:
Tsunami Fire Suppression, L.L.C.

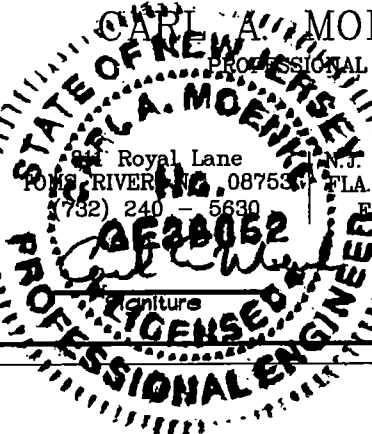


A new wave in fire protection.
3770 N.C. State Highway 134, Asheboro, North Carolina 27209
TEL: (732) 597-6357/E-MAIL: Trevor@TsunamiFireSprinkler.com
Trevor A. Silvers, CET
NICET LIC. #128017
Automatic Sprinkler System Layout, Level III
Inspection & Testing of Water Based, Level III



CARL A. MOENKE, P.E.
PROFESSIONAL ENGINEER

Royal Lane
P.O. Box 108753
Fort Lauderdale, FL 33310
TEL: (732) 240 - 5630 FAX: (732) 240 - 3463



08-07-2019
Date:



COMcheck Software Version 4.1.1.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: Trader Joe's
Project Type: Alteration

Construction Site:
100 Cedar Bridge Ave
Space 43A
Brick, NJ 08723

Owner/Agent:
Trader Joe's

Designer/Contractor:
Bergmann
Six Tower Bridge, Suite 430
181 Washington Street
Conshohocken, PA 19428

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Grocery (Retail)	13760	1.26	17338
Total Allowed Watts =			17338

Proposed Interior Lighting Power

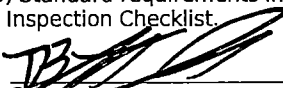
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Grocery (Retail 13760 sq.ft.)</u>				
A: A: 2x4 LED Troffer: LED Other Fixture Unit 50W:	1	165	49	8085
A2: A2: 2x4 LED Troffer: LED Other Fixture Unit 50W:	1	14	49	686
B: B: 2x4 LED Troffer: LED Other Fixture Unit 50W:	1	45	49	2205
C: C: 2x2 LED Troffer: LED Other Fixture Unit 40W:	1	10	34	340
D: D: 4ft LED Fixture: LED Other Fixture Unit 36W:	1	1	35	35
D1: D1: 4ft LED Fixture: LED Other Fixture Unit 36W:	1	5	35	175
E: E: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	3	25	75
E1: E1: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	1	25	25
F: F: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	3	52	156
F1: F1: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	1	52	52
Q: Q: Walk-in Cooler/Freezer: LED Other Fixture Unit 50W:	1	8	50	400
Total Proposed Watts =			12234	

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Brett J. Garner, PE
Name - Title


Signature

2/19/19
Date



COMcheck Software Version 4.1.1.0

Inspection Checklist

Energy Code: 90.1 (2013) Standard

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 9.4.3, 9.7 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
---	----------------------	---	------------------------	---	---------------------

Project Title: Trader Joe's

Report date: 02/19/19

Data filename: H:\TRADER JOES\012386.05 TRADER JOE'S - BRICK NJ\3.0 Design\3.4 Calcs\Electrical\012386.05 Page 2 of 5
ComCheck.cck

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
9.4.1.1 [EL1] ²	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.1 [EL2] ²	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.2 [EL11] ²	Parking garage lighting is equipped with required lighting controls and daylight transition zone lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.1f [EL13] ¹	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.3 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.6.2 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
---	----------------------	---	------------------------	---	---------------------

Project Title: Trader Joe's

Report date: 02/19/19

Data filename: H:\TRADER JOES\012386.05 TRADER JOE'S - BRICK NJ\3.0 Design\3.4 Calcs\Electrical\012386.05 Page 3 of 5
ComCheck.cck

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
8.7.1 [FI16] ³	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
8.7.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.2.2.3 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Interior Lighting fixture schedule for values.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
---	----------------------	---	------------------------	---	---------------------

Project Title: Trader Joe's

Report date: 02/19/19

Data filename: H:\TRADER JOES\012386.05 TRADER JOE'S - BRICK NJ\3.0 Design\3.4 Calcs\Electrical\012386.05
ComCheck.cck Page 5 of 5



COMcheck Software Version 4.1.1.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: Trader Joe's
Project Type: Alteration

Construction Site:
100 Cedar Bridge Ave
Space 43A
Brick, NJ 08723

Owner/Agent:
Trader Joe's

Designer/Contractor:
Bergmann
Six Tower Bridge, Suite 430
181 Washington Street
Conshohocken, PA 19428

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Grocery (Retail)	13760	1.26	17338
Total Allowed Watts =			17338

Proposed Interior Lighting Power

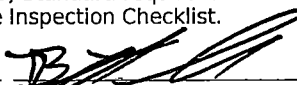
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Grocery (Retail 13760 sq.ft.)</u>				
A: A: 2x4 LED Troffer: LED Other Fixture Unit 50W:	1	165	49	8085
A2: A2: 2x4 LED Troffer: LED Other Fixture Unit 50W:	1	14	49	686
B: B: 2x4 LED Troffer: LED Other Fixture Unit 50W:	1	45	49	2205
C: C: 2x2 LED Troffer: LED Other Fixture Unit 40W:	1	10	34	340
D: D: 4ft LED Fixture: LED Other Fixture Unit 36W:	1	1	35	35
D1: D1: 4ft LED Fixture: LED Other Fixture Unit 36W:	1	5	35	175
E: E: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	3	25	75
E1: E1: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	1	25	25
F: F: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	3	52	156
F1: F1: 4ft LED Strip Fixture: LED Other Fixture Unit 25W:	1	1	52	52
Q: Q: Walk-in Cooler/Freezer: LED Other Fixture Unit 50W:	1	8	50	400
Total Proposed Watts =			12234	

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Brett J. Garner, PE
Name - Title


Signature

2/19/19
Date

Project Title: Trader Joe's

Report date: 02/19/19

Data filename: H:\TRADER JOES\012386.05 TRADER JOE'S - BRICK NJ\3.0 Design\3.4 Calcs\Electrical\012386.05 Page 1 of 5
ComCheck.cck



COMcheck Software Version 4.1.1.0

Inspection Checklist

Energy Code: 90.1 (2013) Standard

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 9.4.3, 9.7 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
---	----------------------	---	------------------------	---	---------------------

Project Title: Trader Joé's

Report date: 02/19/19

Data filename: H:\TRADER JOE'S\012386.05 TRADER JOE'S - BRICK NJ\3.0 Design\3.4 Calcs\Electrical\012386.05 Page 2 of 5
ComCheck.ckk

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
9.4.1 [EL1] ²	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.1 [EL2] ²	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.2 [EL11] ²	Parking garage lighting is equipped with required lighting controls and daylight transition zone lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.1f [EL13] ¹	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.3 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.6.2 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
------------------------	--------------------------	-----------------------

Project Title: Trader Joe's

Report date: 02/19/19

Data filename: H:\TRADER JOES\012386.05 TRADER JOE'S - BRICK NJ\3.0 Design\3.4 Calcs\Electrical\012386.05 Page 3 of 5
ComCheck.cck

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
8.7.1 [FI16] ³	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
8.7.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.2.2.3 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Interior Lighting fixture schedule for values.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
---	----------------------	---	------------------------	---	---------------------

Project Title: Trader Joe's

Report date: 02/19/19

Data filename: H:\TRADER JOES\012386.05 TRADER JOE'S - BRICK NJ\3.0 Design\3.4 Calcs\Electrical\012386.05
ComCheck.cck Page 5 of 5



BERGMANN

ARCHITECTS ENGINEERS PLANNERS

July 11, 2019

Peter McNamara
Building Inspector, Brick Township
401 Chambers Bridge Road
Brick, NJ 08723

RE: Trader Joe's, 56 Chambers Bridge, Brick, NJ
Permit # 19-1297

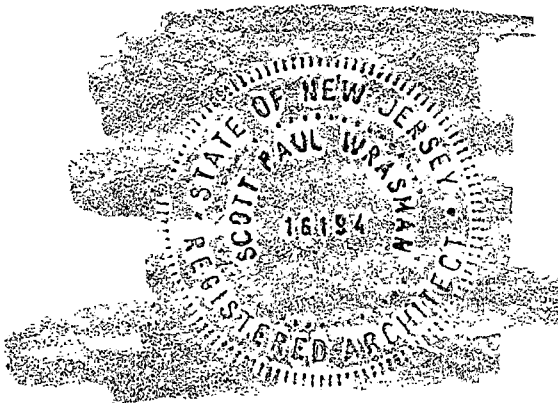
Mr. McNamara,

1. Number 10 gauge reinforcement at 6" x 6" is acceptable for the slab reinforcing.
2. In detail 2/A2.3, pressure treated wood is an acceptable substitute for the redwood shown in the detail.

Please do not hesitate to contact me with any other questions.

Sincerely,

Scott P. Wrasman, AIA, LEED AP, PMP
484.567.7682
swrasman@bergmannpc.com





TRI-STATE

WATER MAIN TAPS, LLC

PO Box 352
Lincoln Park, NJ 07035

Tel.: 973-713-7116

Fax: 973-628-1597

E-mail: dennis.flood@tristatewettap.com

Physical Connection Permit No.: _____ -WPC_____

New Jersey Department of Environmental Protection Quarterly Physical Connection Test & Maintenance Report

1 st quarter	2 nd quarter	3 rd quarter	4 th quarter
☐	☐	☐	☐
01/01-03/31	04/01-06/30	07/01-09/30	10/01-12/31

Instructions: This form is to be completed for each test of each approved valve. It is to be mailed to the Supplier of Water and Local Administrative Authority within 5 days of each test and inspection performed by a Certified Tester. These forms shall be kept at the facility for a period of 5 years (N.J.A.C. 7:10-10.2(f)) and be exhibited upon request.

Date of test: 9 / 26 / 2019 Time of Test: 11:42AM

☒ Initial Installation

To:

From: (Name of Permit Holder)

TRADEK JONES
100 CEDAR BROOK AVE
BRICK NJ

The backflow prevention device identified below has been tested and inspected as required by N.J.A.C. 7:10-10.6 and is certified to be in compliance with this regulation.

Manufacturer: WATTS ☒ RPZ ☐ DCVA
Model Number: 009M3 Size: 3/4 in.
Serial Number: 256802
Comments and Notations: _____

Location of Valve

Mech. Room / Attic

Test Port #1= _____ psi Test Port #4= _____ psi

Test Kit Serial # <u>0073597</u> Calibration Date <u>11/26/18</u>	Pressure Test			Internal Inspection	
	Reduced Pressure Zone Assembly (RPZ) Double Check Valve Assembly (DCVA)			Double Check Valve (DCVA)	
	1 st Check	2 nd Check	Relief Valve	1 st Check	2 nd Check
Initial Test	Closed Tight ☒ At <u>0.6</u> psid	Closed Tight ☒ At <u>1.5</u> psid	Opened at <u>2.7</u> psid	OK ☐	OK ☐
Passed ☒	Leaked ☐	Leaked ☐	Did Not Open ☐	Failed ☐	Failed ☐
Failed ☐	No. 2 Shut-off Valve Closed Tight ☐ Leaked ☐ By-Pass Used ☐				
Repairs & Materials Used					
Test After Repair & Assembly	Closed Tight ☐ _____ psid	Closed Tight ☐ _____ psid	Opened at _____ psid	OK ☐	OK ☐

The Results Shown Above are Certified to be True

Certified Tester's Name: Dennis Flood

Certified Tester's Signature: [Signature]

Certifying Authority: [Signature]

Cert. ID#: 10272 Exp. Date: 4 / 30 / 2020

Witnesses to Test and Inspection

Name: _____ Title: _____

Representing: _____

Name: _____ Title: _____

Representing: _____



TRI-STATE

WATER MAIN TAPS, LLC

PO Box 352
Lincoln Park, NJ 07035

Tel.: 973-713-7116

Fax: 973-628-1597

E-mail: dennis.flood@tristatewettap.com

Physical Connection Permit No.: _____ -WPC_____

New Jersey Department of Environmental Protection Quarterly Physical Connection Test & Maintenance Report

Instructions: This form is to be completed for each test of each approved valve. It is to be mailed to the Supplier of Water and Local Administrative Authority within 5 days of each test and inspection performed by a Certified Tester. These forms shall be kept at the facility for a period of 5 years (N.J.A.C. 7:10-10.2(f)) and be exhibited upon request.

1 st quarter	2 nd quarter	3 rd quarter	4 th quarter
☐	☐	☐	☐
01/01-03/31	04/01-06/30	07/01-09/30	10/01-12/31

Date of test: 9 / 26 / 2019 Time of Test: 11:32 AM

☒ Initial Installation

To:

From: (Name of Permit Holder)

TRADER JONES
100 CEDAR BRICK AVE
BRICK NJ

The backflow prevention device identified below has been tested and inspected as required by N.J.A.C. 7:10-10.6 and is certified to be in compliance with this regulation.

Description of Valve

Location of Valve

Manufacturer: WATTS ☒ RPZ ☐ DCVA
Model Number: 009 M3 Size: 3/4 in.
Serial Number: 256798
Comments and Notations: _____

Mech. Room / APIC

Test Port #1= _____ psi Test Port #4= _____ psi

Test Kit Serial # <u>0073597</u>	Pressure Test			Internal Inspection	
	Reduced Pressure Zone Assembly (RPZ)			Double Check Valve (DCVA)	
	Double Check Valve Assembly (DCVA)				
Calibration Date <u>11/26/18</u>	1 st Check	2 nd Check	Relief Valve	1 st Check	2 nd Check
Initial Test	Closed Tight ☒ At <u>7.2</u> psid	Closed Tight ☒ At <u>1.3</u> psid	Opened at <u>3.6</u> psid	OK ☐	OK ☐
Passed ☒	Leaked ☐	Leaked ☐	Did Not Open ☐	Failed ☐	Failed ☐
Failed ☐	No. 2 Shut-off Valve Closed Tight ☒ Leaked ☐ By-Pass Used ☐				
Repairs & Materials Used					
Test After Repair & Assembly	Closed Tight ☐ _____ psid	Closed Tight ☐ _____ psid	Opened at _____ psid	OK ☐	OK ☐

The Results Shown Above are Certified to be True

Witnesses to Test and Inspection

Certified Tester's Name: DENNIS FLOOD

Name: _____ Title: _____

Certified Tester's Signature: [Signature]

Representing: _____

Certifying Authority: NEWWA

Name: _____ Title: _____

Cert. ID#: 10272 Exp. Date: 4/30/2020

Representing: _____

INSPECTOR: Russell Harris
JOB: Brick Plaza SECTION: Phase 1
TYPE OF WORK: Trader Joe's PERMIT #: PB-2102
WEATHER / TEMP: Rain / 60's

DATE: Wed. 10/9/19
INSPECTION: Final CO (Trader Joe's only)
LOCATION: 56 Chambers Bridge Rd.
BLOCK: 468 & 671 LOT: 1-9, 10.01-10.03
2, 11, 12, 13

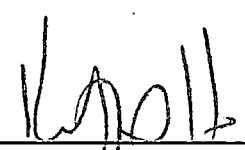
ENGINEERING RECOMMENDATIONS FOR
CERTIFICATION OF OCCUPANCY
INSPECTION CHECK LIST

ITEMS TO BE COMPLETED	COMPLETED	DEFICIENT
1. Driveway	✓	
2. Grading	✓	
3. Sidewalk	✓	
4. Road Pavement	✓	
5. Landscaping & Sodding	✓	
6. Clean-up Procedures	✓	
7. Note on-going construction in immediate area	Adjacent Tenant Fit-ups & Phase 2 areas	
8. Safety	✓	
9. As Built Survey / Elevation-Certificate	✓	

COMMENTS REFERENCING ITEM NUMBER:

RECOMMENDATIONS:

- ☐ TEMP. C.O.
☒ FINAL C.O.
☐ DETAILED REINSPECTION
☐ HOLD INSPECTION UNTIL LOT ELEVATION FIELD VERIFIED
☐ REQUIRES PERMIT UPDATE / ADDITIONAL PERMITS
☐ \$50.00 REINSPECTION FEE


MUNICIPAL ENGINEER



2019 Fire Alarm Test Report

For

Federal Realty

Trader Joes ~ Brick Shopping Center

56 Chambers Bridge Road

Brick NJ, 08723

INSPECTION DATE:

9/10/2019

INSPECTED BY:

Steve Nice



Electronic Security Solutions

5115 Campus Drive

Plymouth Meeting, PA 19462

Telephone 215-277-5248

Fax 215-277-5263

tcapie@essfiresys.com



DEVICE	FLOOR	LOCATION	PASS	ADDRESS	NOTES
0		TOTAL FIRE PUMP TROUBLE	0	0	NA
0		TOTAL FIRE PUMP NOT IN AUTO	0	0	NA
0		TOTAL SMOKE/CO DETECTORS	0	0	NA
0		TOTAL HEAT/CO DETECTORS	0	0	NA
0		TOTAL PRIMARY ELEVATOR RECALL	0	0	NA
0		TOTAL ALTERNATE ELEVATOR RECALL	0	0	NA
0		TOTAL ELEVATOR CAB WARNING	0	0	NA
0		TOTAL SHUNT TRIP BREAKER	0	0	NA
0		TOTAL DOOR HOLDER	0	0	NA
0		TOTAL HVAC SHUTDOWN	0	0	NA
0		TOTAL DAMPER CONTROLS	0	0	NA
0		TOTAL FIRE PHONE JACKS	0	0	NA
0		TOTAL PRINTER	0	0	NA
0		TOTAL POWER SUPPLY	0	0	NA
0		TOTAL FACP	0	0	NA
0		TOTAL ANNUNCIATOR	0	0	NA
0		TOTAL NAC PANEL	0	0	NA
2		TOTAL MISCELLANEOUS	2	0	100.00%
4		TOTAL CARBON MONOXIDE DETECTORS	4	0	100.00%

FAILURES, RECOMMENDATIONS/CONCERNS & NOTES ENCOUNTERED DURING TESTING	
	FAILURES:
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
	RECOMMENDATIONS/CONCERNS:
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

VERIFICATION OF SYSTEM TEST

The fire life safety system has been placed in operation and as the owner's representative, I have been instructed in the operation of the system.

Date _____ Name _____ Title _____

The undersigned ESS representative certifies that the fire alarm has been tested in accordance with NFPA 72 (2013 Edition) and local fire codes.

Date 9/10/19

ESS Steve Nice



INSPECTION AND TESTING FORM

DATE: 9/10/2019
TIME: 14:00

Service Organization

NAME: Electronic Security Solutions
ADDRESS: 5115 Campus Drive
Plymouth Meeting, PA 19462
REPRESENTATIVE: Steve Nice
LICENSE NO: P01299
TELEPHONE: 215-277-5248

Property Name (User)

NAME: Federal Realty
ADDRESS: 56 Chambers Bridge Road
Brick, NJ 08723
OWNER CONTACT: Kerry Dolan
TELEPHONE: 7328221977

MONITORING AGENCY

CONTACT: Rapid Response
TELEPHONE: 800-932-3822
MONITORING ACCOUNT REF NO: Z931393

APPROVING AGENCY

CONTACT: Brick Township
TELEPHONE: 732-262-1000

TYPE TRANSMISSION

☐	- Mc Cullogh
☐	- Multiplex
☒	- Digital
☐	- Reverse Priority
☐	- RF
☐	- Other (Specify)

SERVICE

☐	- Weekly
☐	- Monthly
☐	- Quarterly
☐	- Semi Annually
☒	- Annually
☐	- Other (Specify)

PANEL MANUFACTURER: Edwards/UTC MODEL NO: IO64
CIRCUIT CLASS: B
OF CIRCUITS: 6
SOFTWARE REV: 4.11
LAST DATE THAT SYSTEM HAD ANY SERVICE PERFORMED: On File

LAST DATE THAT ANY SOFTWARE OR CONFIGURATION WAS REVISED: On File

ALARM INITIATING DEVICES AND CIRCUIT INFORMATION

QTY OF	CIRCUIT CLASS	
<u>4</u>	<u>B</u>	MANUAL STATIONS
<u>1</u>	<u>B</u>	PHOTO DETECTORS
<u>4</u>	<u>B</u>	CO DETECTORS
<u>4</u>	<u>B</u>	DUCT DETECTORS
<u>0</u>		HEAT DETECTORS
<u>1</u>	<u>B</u>	WATERFLOW SWITCHES
<u>2</u>	<u>B</u>	SUPERVISORY SWITCHES
		OTHER (SPECIFY) _____



NOTIFICATION APPLIANCES AND CIRCUIT INFORMATION

QTY OF	CIRCUIT CLASS	
<u>7</u>	<u>B</u>	SPEAKER/STROBES
		HORN/STROBES
		CHIMES
<u>6</u>	<u>B</u>	STROBES
		SPEAKERS
		OTHER (SPECIFY): _____

NOTIFICATION APPLIANCE CIRCUITS: 6

ARE ALL CIRCUITS SUPERVISED: ☒ YES ☐ NO

SUPERVISORY SIGNAL INITIATING DEVICES AND CIRCUIT INFORMATION

QTY OF	CIRCUIT CLASS	
<u>N/A</u>		BUILDING TEMPERATURE
<u>N/A</u>		SITE WATER TEMPERATURE
<u>N/A</u>		SITE WATER LEVEL
<u>N/A</u>		FIRE PUMP POWER
<u>N/A</u>		FIRE PUMP RUNNING
<u>N/A</u>		FIRE PUMP AUTO
<u>N/A</u>		FIRE PUMP OR FIRE PUMP CONTROLLER IN TROUBLE
<u>N/A</u>		FIRE PUMP PHASE REVERSAL
<u>N/A</u>		GENERATOR IN AUTO
<u>N/A</u>		GENERATOR OR CONTROLLER TROUBLE
<u>N/A</u>		SWITCH TRANSFER
<u>N/A</u>		GENERATOR RUNNING
<u>N/A</u>		OTHER (SPECIFY): _____

SIGNALING LINE CIRCUITS

Quantity and class (see NFPA 72, Table 3-6.1) for signaling line circuits connected to system:

QUANTITY: 1 CLASS: B

POWER SUPPLIES

a. Primary (Main) Nominal Voltage 120, Amps 6

Overcurrent Protection: Type Breaker, Amps 20

Location (Panel Number): Electrical Room CP

Disconnecting Means Location: 14

b. Secondary (Standby):

12VDC x 2 Storage Battery Amp Hour Rating 7

Calculated capacity to operate system, in hours: 24

N/A Engine driven generator dedicated to the fire alarm system

Location of Fuel Storage N/A

TYPE BATTERY

☐	Dry Cell
☐	Nickel Cadmium
☒	Sealed Lead-Acid
☐	Other (Specify) _____

c. Emergency or standby system used as a backup to primary power supply, instead of using a secondary power supply:

N/A Emergency system describe in NFPA 70, Article 700

N/A Legally required standby described in NFPA, Article 701

N/A Optional standby system described in NFPA 70, Article 702, which also meets the performance requirements of Article 700 or 701.



PRIOR TO ANY TESTING

NOTIFICATIONS ARE MADE:

MONITORING ENTITY
BUILDING OCCUPANTS
BUILDING MANAGEMENT
OTHER (SPECIFY)
AHJ NOTIFIED OF ANY IMPAIRMENTS

YES	NO	WHO	TIME
☒			
☒			
☒			

SYSTEM TESTS AND INSPECTIONS

TYPE	VISUAL	FUNCTIONAL	COMMENTS
CONTROL PANEL	☒	☒	
INTERFACE EQ	☒	☒	
LAMPS/LED	☒	☒	
FUSES	☒	☒	
PRIMARY POWER SUPPLY	☒	☒	
TROUBLE SIGNALS	☒	☒	
DISCONNECT SWITCHES	☒	☒	
GROUND FAULT MONITORING	☒	☒	

SECONDARY POWER

TYPE	VISUAL	FUNCTIONAL	COMMENTS
BATTERY CONDITION	☒		
LOAD VOLTAGE		☒	
DISCHARGE TEST		☒	
CHARGER TEST		☒	
TRANSIENT SUPPRESSORS	☒		
REMOTE ANNUNCIATORS	☒	☒	

NOTIFICATION APPLIANCES

	VISUAL	FUNCTIONAL	COMMENTS
AUDIBLE	☒	☒	
VISUAL	☒	☒	
SPEAKERS			N/A
VOICE CLARITY			N/A

COMMENTS: _____

EMERGENCY COMMUNICATION EQUIP

	VISUAL	FUNCTIONAL	COMMENTS
PHONE SET			N/A
PHONE JACKS			N/A
OFF-HOOK INDICATOR			N/A
AMPLIFIER(S)			N/A
TONE GENERATOR(S)			N/A
CALL IN SIGNAL			N/A
SYSTEM PERFORMANCE			N/A

INTERFACE EQUIPMENT

	VISUAL	DEVICE OPERATION	SIMULATED OPERATION
(SPECIFY) _____			
(SPECIFY) _____			
(SPECIFY) _____			
(SPECIFY) _____			

SPECIAL HAZARD SYSTEMS

	VISUAL	DEVICE OPERATION	SIMULATED OPERATION
(SPECIFY) _____			
(SPECIFY) _____			



(SPECIFY) _____

SPECIAL PROCEDURES: _____

COMMENTS: _____

ON/OFF PREMISIS MONITORING

	YES	NO	COMMENTS
ALARM SIGNAL	☒	☐	_____
ALARM RESTORAL	☒	☐	_____
TROUBLE SIGNAL	☒	☐	_____
TROUBLE RESTORAL	☒	☐	_____
SUPERVISORY SIGNAL	☒	☐	_____
SUPERVISORY RESTORAL	☒	☐	_____

NOTIFICATIONS THAT TESTING IS COMPLETE

	YES	NO	COMMENTS
BUILDING MANAGEMENT	☒	☐	_____
MONITORING AGENCY	☒	☐	_____
BUILDING OCCUPANTS	☒	☐	_____
OTHER (SPECIFY)	☐	☐	_____

THE FOLLOWING DID NOT OPERATE CORRECTLY: _____

SYSTEM RETURNED TO NORMAL OPERATION

DATE: 9/10/2019

TIME: _____

THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA72 STANDARDS

NAME OF INSPECTOR: Steve Nice

DATE: 9/10/2019

SIGNATURE: _____



Thomas Capie, SET, CFPS

NAME OF OWNER REPRESENTATIVE: _____

Kerry Dolan

DATE: 9/10/2019

SIGNATURE: _____

HYDRAULIC CALCULATIONS
for

Project name: Trader Joes Vanilla Box
Location: 56 Chambers Bridge Road, Brick, NJ 08723
Drawing no: SPK100
Date: 02-07-2018

Design

Remote area number: 1
Remote area location: Most Demanding Remote Sales Floor
Occupancy classification: OHG2 - Mercantile
Density: 0.20 - Gpm/SqFt
Area of application: 967.5 - SqFt
Coverage per sprinkler: 130 - SqFt
Type of sprinklers calculated: Globe SIN#GL5606 Concealed Pendant 5.6K
No. of sprinklers calculated: 9
In-rack demand: N/A - GPM
Hose streams: 250 - GPM
Total water required (including hose streams): 484.170 - GPM @ 54.814 - Psi
Type of system: New Wet Grid System
Volume of dry or preaction system: N/A - Gal

Water supply information

Date: 05-06-2014
Location: Hydrant on Site
Source: MAC Sprinkler

Name of contractor: Premier Fire Systems, Inc.
Address: Lic. # P00647 / 2 Ilene Court #21 / Hillsborough, N.J. 08844
Phone number: 908-874-4144
Name of designer: Tsunami FireSuppression
Authority having jurisdiction: Local Fire Marshal
Notes: (Include peaking information or gridded systems here.) Safety Factor: 18.26 psi
Electronically Peaked

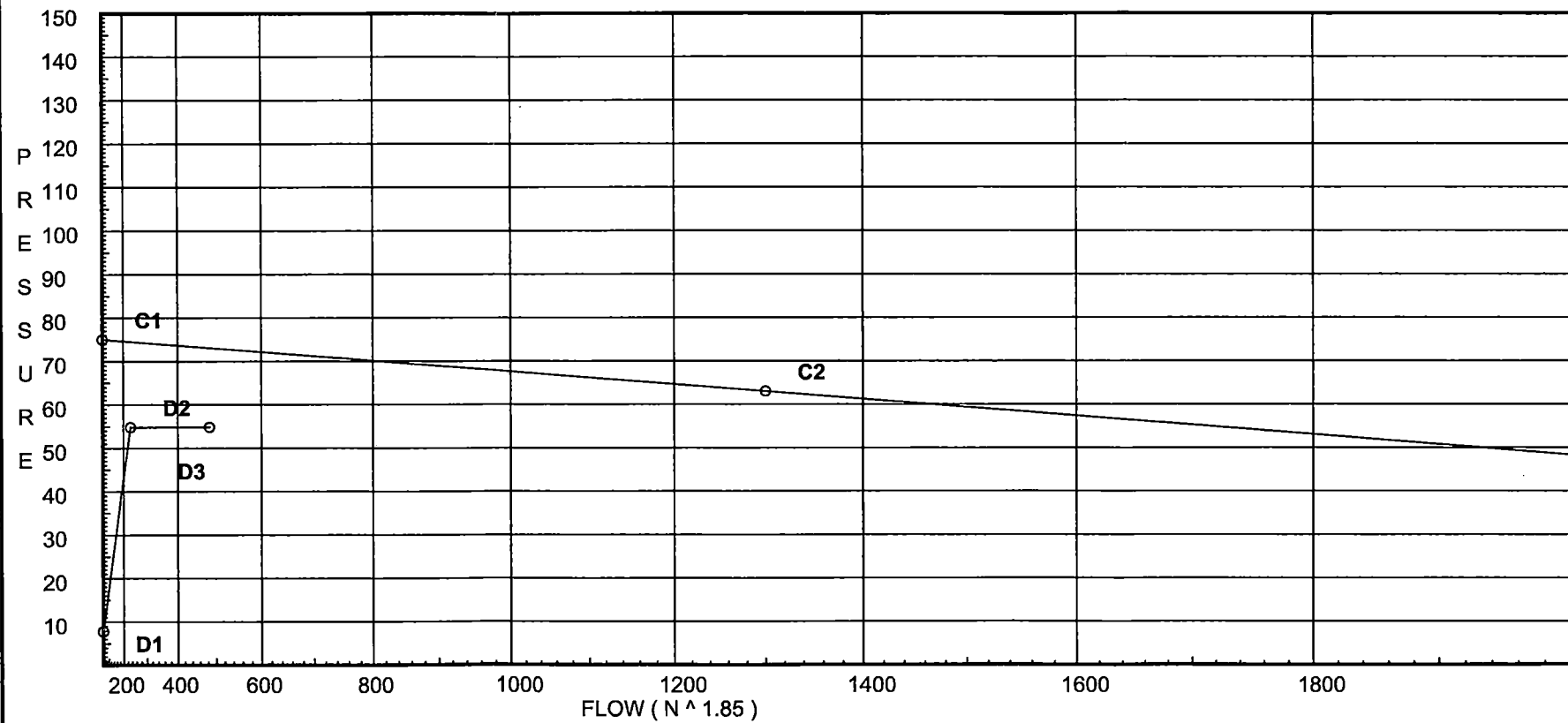
Water Supply Curve C

Premier Fire Systems, Inc.
Trader Joes

Page 2
Date 02-07-2019

City Water Supply:
C1 - Static Pressure : 75
C2 - Residual Pressure: 63
C2 - Residual Flow : 1300

Demand:
D1 - Elevation : 7.796
D2 - System Flow : 234.17
D2 - System Pressure : 54.814
Hose (Demand) : 250
D3 - System Demand : 484.17
Safety Margin : 18.256



HYDRAULIC CALCULATIONS
for

Project name: Trader Joes Vanilla Box
Location: 56 Chambers Bridge Road, Brick, NJ 08723
Drawing no: SPK100
Date: 02-07-2018

Design

Remote area number: 2
Remote area location: Most Demanding Remote Overhang
Occupancy classification: OHG2 - Temporary Storage - Mercantile
Density: 0.20 - Gpm/SqFt
Area of application: 855 Entire - SqFt
Coverage per sprinkler: 16' x 16' - SqFt
Type of sprinklers calculated: TYCO SIN#TY5339 Uprights 11.2K
No. of sprinklers calculated: 4
In-rack demand: N/A - GPM
Hose streams: 250 - GPM
Total water required (including hose streams): 454.872 - GPM @ 50.038 - Psi
Type of system: New Wet Grid System
Volume of dry or preaction system: N/A - Gal

Water supply information

Date: 05-06-2014
Location: Hydrant on Site
Source: MAC Sprinkler

Name of contractor: Premier Fire Systems, Inc.
Address: Lic. # P00647 / 2 Ilene Court #21 / Hillsborough, N.J. 08844
Phone number: 908-874-4144
Name of designer: Tsunami FireSuppression
Authority having jurisdiction: Local Fire Marshal
Notes: (Include peaking information or gridded systems here.) Saftey Factor: 23.24 psi
Electronically Peaked

Brick Township

401 Chambers Bridge Road
Brick, NJ 08723
732-262-1030

CORRECTION NOTICE

ADDRESS Trade Joes
PERMIT NUMBER 19-1297 BLOCK _____ LOT _____
OWNER _____

Upon inspection, violations of the _____ Building _____ Plumbing _____ Electric ☒ Fire Code
were in evidence and the following orders are hereby issued for their correction:

- ☒ Knox box keys for Knox box - Masley, Frank
- ☒ Fire Extinguishers to be installed as discussed
- ☒ Fire Sprinkler Test report
- ☒ final walk-thru
- ☒ make Knox box as discussed

OK to Start —

PLEASE CALL FOR INSPECTION WHEN CORRECTIONS HAVE BEEN COMPLETED. ACCEPTANCE AND
APPROVAL BY AN INSPECTOR OF THIS DEPARTMENT IS REQUIRED.

DATE 9/25/15 INSPECTOR [Signature]

INSPECTOR: Russell Harris

DATE: Wed. 10/2/19

JOB: Brick Plaza SECTION: Phase 1
Trader Joe's

INSPECTION: Temp. Merchandising CO
for Trader Joe's outly

TYPE OF WORK: Trader Joe's PERMIT #: PB-2102

LOCATION: 56 Chambers Bridge Rd.

WEATHER / TEMP:

BLOCK: 468 & 671 LOT: 1-9, 10.01-10.03
2, 4, 8, 11 & 12

ENGINEERING RECOMMENDATIONS FOR
CERTIFICATION OF OCCUPANCY
INSPECTION CHECK LIST

ITEMS TO BE COMPLETED	COMPLETED	DEFICIENT
1. Driveway	✓	
2. Grading	✓	
3. Sidewalk	✓	
4. Road Pavement	✓	
5. Landscaping & Sodding	In Progress	
6. Clean-up Procedures	✓	
7. Note on-going construction in immediate area	Adjacent Tenant Fit-ups / Phase II	
8. Safety	Maintain at all Times	
9. As Built Survey / Elevation-Certificate	Revisions Required for Final	

COMMENTS REFERENCING ITEM NUMBER:

* See attached email for Store Opening Punch-List
(dated 10/2/19)

RECOMMENDATIONS:

☒ TEMP. C.O. Exp 11/1/19

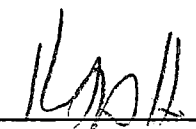
☐ FINAL C.O.

☐ DETAILED REINSPECTION

☐ HOLD INSPECTION UNTIL LOT ELEVATION FIELD VERIFIED

☐ REQUIRES PERMIT UPDATE / ADDITIONAL PERMITS

☐ \$50.00 REINSPECTION FEE


MUNICIPAL ENGINEER



Russell Harris

From: Russell Harris
Sent: Wednesday, October 2, 2019 5:30 PM
To: 'Chris Cole'; Michael Newland; Kurt J. Otto; Matthew Fagen; Elissa Commins
Cc: jkornsey@nmboc.com; Neil Cain; jcarr@ldcengineers.com; Kerry Dolan; Toto, Thomas; Drew Pavlick; Marilyn Kaczka; Kevin Batzel
Subject: RE: Trader Joes TCO Requirements

All. As discussed at today's on-site meeting. Please see below items still remaining for Trader Joe's Final CO for store opening:

- Verify All Site Lighting Functioning Properly
- Must provide 4" yellow cross hatch and 'Fire Zone' Lettering in stall directly in front of Trader Joe's Fire Department Connection
- Must stripe 'Fire Zone' Lettering at Fire Department Connection East of Gravity Vault
- Must Install 4 signs for slow striping at bend
- Complete all landscaping installations in Phase 1 areas
- Provide basic phasing plan to show
 - o Safety fencing to block off remaining active work area and open store front adjacent to Trader Joe's
 - o Safety fencing for staging areas for remainder of Phase 2 work
- Must install handicap signage at stalls directly adjacent to Trader Joe's
- Bolt Cart Corral to surface
- Remove all remaining construction debris, materials, and equipment to appropriate staging areas

Three other items discussed that will need to be addressed but will not hold up engineering sign off for Trader Joe's final CO

- Replenish deficient Phase 1 escrow (formal letter to be sent)
- Revise and Resubmit Phase 1 Final As-Built (per Kurt Otto Review and to update for finished conditions)
- *Gravity Vault will need to provide separate traffic control plan if they plan to have portions of the newly opened lot closed off for larger deliveries (must be provided prior to work – will not hold up Trader Joe's CO)

As discussed we are processing the engineering sign off for store merchandising for Trader Joe's. Please keep in mind you that you will need the actual sign off from the Construction Official to start merchandising. Please let me know if any questions with above. Also, please be aware that in order to process the engineering sign off for anticipated store opening date of Friday October 11th, all engineering items detailed above will need to be completed no later than end of the day Wednesday 10/9 so that engineering paperwork can be completed and processed back through the building department.

Russell Harris
Supervising Road Inspector
Engineering Department
Township of Brick
Phone: 732-262-1040
Fax: 732-262-2941

From: Chris Cole <ccole@metrovation.com>
Sent: Friday, September 27, 2019 7:13 AM



OCEAN COUNTY SOIL CONSERVATION DISTRICT

714 Lacey Road, Forked River, NJ 08731

Tel 609.971.7002 • Fax 609.971.3391 •

www.soildistrict.org

REPORT OF COMPLIANCE

TO: **CONSTRUCTION CODE OFFICIAL**

MUNICIPALITY: Brick Twp

PROJECT: Brick Plaza Plan 3- Site Plan

SCD NO: 18580

BLOCK NO.(S): 671

LOT NO.(S): 1.01

Final Compliance



Conditional Compliance



Block No.	Lot No.	Conditions
		Applicant remains responsible for proper grading and permanent stabilization.
671	1.01	56 Chambers Bridge Rd
TOTAL FEES DUE: \$ <u> </u>		

This verifies that the soil erosion and sediment control measures for the above designated block and lot numbers are in compliance to the extent indicated above with the soil erosion and sediment control plan as certified by the Ocean County Soil Conservation District and required by Chapter 251, P.L.1975 as amended, the Soil Erosion and Sediment Control Act, (N.J.S.A. 4:24-39 et. seq.).

AGENT RESPONSIBLE FOR PROJECT: _____

AUTHORIZED DISTRICT SIGNATURE:

DATE: 9/30/19

56 Chambers Bridge Rd. → Trader Joe's

TOWNSHIP OF BRICK
DEPARTMENT OF INSPECTIONS

OCCUPANCY

OCCUPANT LOAD	<u>372</u>	
LIVE LOAD	<u> </u>	P. S. F.
FIRE GRADING	<u> </u>	HOURS
USE GROUP	<u>M</u>	

**OCEAN COUNTY SOIL CONSERVATION DISTRICT**

714 Lacey Road, Forked River, NJ 08731

Tel 609.971.7002 • Fax 609.971.3391 •

www.soildistrict.org

REPORT OF COMPLIANCETO: **CONSTRUCTION CODE OFFICIAL**MUNICIPALITY: Brick TwpPROJECT: Brick Plaza Plan 3 - Site PlanSCD NO: 18580BLOCK NO.(S): 671LOT NO.(S): 1.01

RECEIVED
OCT 04 2019
BUILDING

Final Compliance

(FRBC)
☒

Conditional Compliance

☐

Block No.	Lot No.	Conditions
		Applicant remains responsible for proper grading and permanent stabilization.
671	1.01	56 Chambers Bridge Rd

RECEIVED
OCT 04 2019
BUILDING

TOTAL FEES DUE: \$

This verifies that the soil erosion and sediment control measures for the above designated block and lot numbers are in compliance to the extent indicated above with the soil erosion and sediment control plan as certified by the Ocean County Soil Conservation District and required by Chapter 251, P.L.1975 as amended, the Soil Erosion and Sediment Control Act, (N.J.S.A.4:24-39 et. seq.).

AGENT RESPONSIBLE FOR PROJECT: _____

AUTHORIZED DISTRICT SIGNATURE: _____

DATE: _____

Sam Yeats
9/30/19

THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER WITH A MULTICOLORED
BACKGROUND AND MULTIPLE SECURITY FEATURES. PLEASE VERIFY AUTHENTICITY.



State of New Jersey
Department of Community Affairs
Division of Fire Safety



Hereby Issues To

PREMIER FIRE SYSTEMS

Fire Protection Equipment Contractor Business Permit

In The Following Fire Protection Areas:

Fire Sprinkler System

<u>P00647</u>	<u>05/13/2019 to 10/31/2022</u>	
Permit ID	Date Issued	Lapse Date

A handwritten signature in cursive script, reading 'Sheila Y. Oliver'.

Sheila Y. Oliver
Commissioner

HYDRAULIC CALCULATIONS

for:

Proposed Renovations for:

Space 43 Shell Black Box - Brick Plaza
Future Trader Joes
56 Chambers Bridge Road
Brick, New Jersey 08723

DESIGN DATA: CALCULATION #1

Area Calculated: Most Demanding/Remote
System 1 - Wet - Uprights
Hazard: OHG2 - Temporary Storage
Density: 0.20 gpm/ft
Minimum Pressure Per Head: 7 psi
Area: 967.5 Sq. Ft.
No. Sprinklers Calculated: 9
Area Per Sprinkler: 130 Sq. Ft. Max.
Hose Demand: 250.000 gpm
Total Water Required: 484.170 gpm
Total Pressure Required: 54.814 psi
Safety Margin: 18.26 psi

DESIGN DATA: CALCULATION #2

Area Calculated: Most Demanding/Remote
System 1 - Wet - Sidewalls
Hazard: OHG2 - Storage
Density: 0.20 gpm/ft
Minimum Pressure Per Head: 20.7 psi
Area: 855 Sq. Ft. - Entire Area
No. Sprinklers Calculated: 4
Area Per Sprinkler: 16' x 16' Max.
Hose Demand: 250.000 gpm
Total Water Required: 454.872 gpm
Total Pressure Required: 50.038 psi
Safety Margin: 23.24 psi

JOB: # 283

Installing Contractor:
Premier Fire Systems
License # P00647
2 Ilene Court #21
Hillsborough, N.J. 08844
TEL: (908) 874-4414

No.	Revision/Issue	Date
1	Preliminary Design	02/07/2019
2	Released for Submittal	02/11/2019
3	Updated Pipe Direction	02/22/2019
4	Added Sidewalls	03/28/2019
5	Added Pendants in Clg.	08/07/2019
6		
7		
8		
9		

FIRE SPRINKLER DESIGN BY:
Tsunami Fire Suppression, L.L.C.



A new wave in fire protection.

3770 N.C. State Highway 134, Asheboro, North Carolina 27205
TEL: (732) 597-6357/E-MAIL: Trevor@TsunamiFireSprinkler.com
Trevor A. Silvers, CET
NICET LIC. #128017
Automatic Sprinkler System Layout, Level III
Inspection & Testing of Water Based, Level III



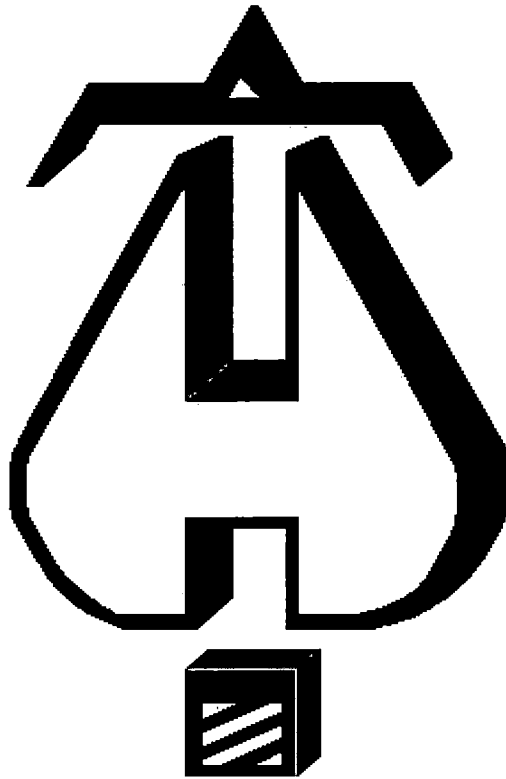
CARL A. MOENKE, P.E.

PROFESSIONAL ENGINEER



N.J. LICENSE NUMBER 39052
FLA. LICENSE NUMBER 42005
FAX: (732) 240 - 3463

Date:



... Fire Protection by Computer Design

Premier Fire Systems, Inc.
Lic. # P00647
2 Ilene Court #21
Hillsborough, N.J. 08844
908-874-4144

Job Name : Trader Joes
Building : SPK100
Location : 56 Chambers Bridge Road, Brick, NJ 08723
System : 1
Contract : 283
Data File : 283 Trader Joes Submittal 02-07-19 Rev5 AREA 9.wxf283 Trader

HYDRAULIC CALCULATIONS
for

Project name: Trader Joes Vanilla Box
Location: 56 Chambers Bridge Road, Brick, NJ 08723
Drawing no: SPK100
Date: 02-07-2018

Design

Remote area number: 1
Remote area location: Most Demanding Remote Sales Floor
Occupancy classification: OHG2 - Mercantile
Density: 0.20 - Gpm/SqFt
Area of application: 967.5 - SqFt
Coverage per sprinkler: 130 - SqFt
Type of sprinklers calculated: Globe SIN#GL5606 Concealed Pendant 5.6K
No. of sprinklers calculated: 9
In-rack demand: N/A - GPM
Hose streams: 250 - GPM
Total water required (including hose streams): 484.170 - GPM @ 54.814 - Psi
Type of system: New Wet Grid System
Volume of dry or preaction system: N/A - Gal

Water supply information

Date: 05-06-2014
Location: Hydrant on Site
Source: MAC Sprinkler

Name of contractor: Premier Fire Systems, Inc.
Address: Lic. # P00647 / 2 Ilene Court #21 / Hillsborough, N.J. 08844
Phone number: 908-874-4144
Name of designer: Tsunami FireSuppression
Authority having jurisdiction: Local Fire Marshal
Notes: (Include peaking information or gridded systems here.) Saftey Factor: 18.26 psi
Electronically Peaked

Water Supply Curve C

Premier Fire Systems, Inc.
Trader Joes

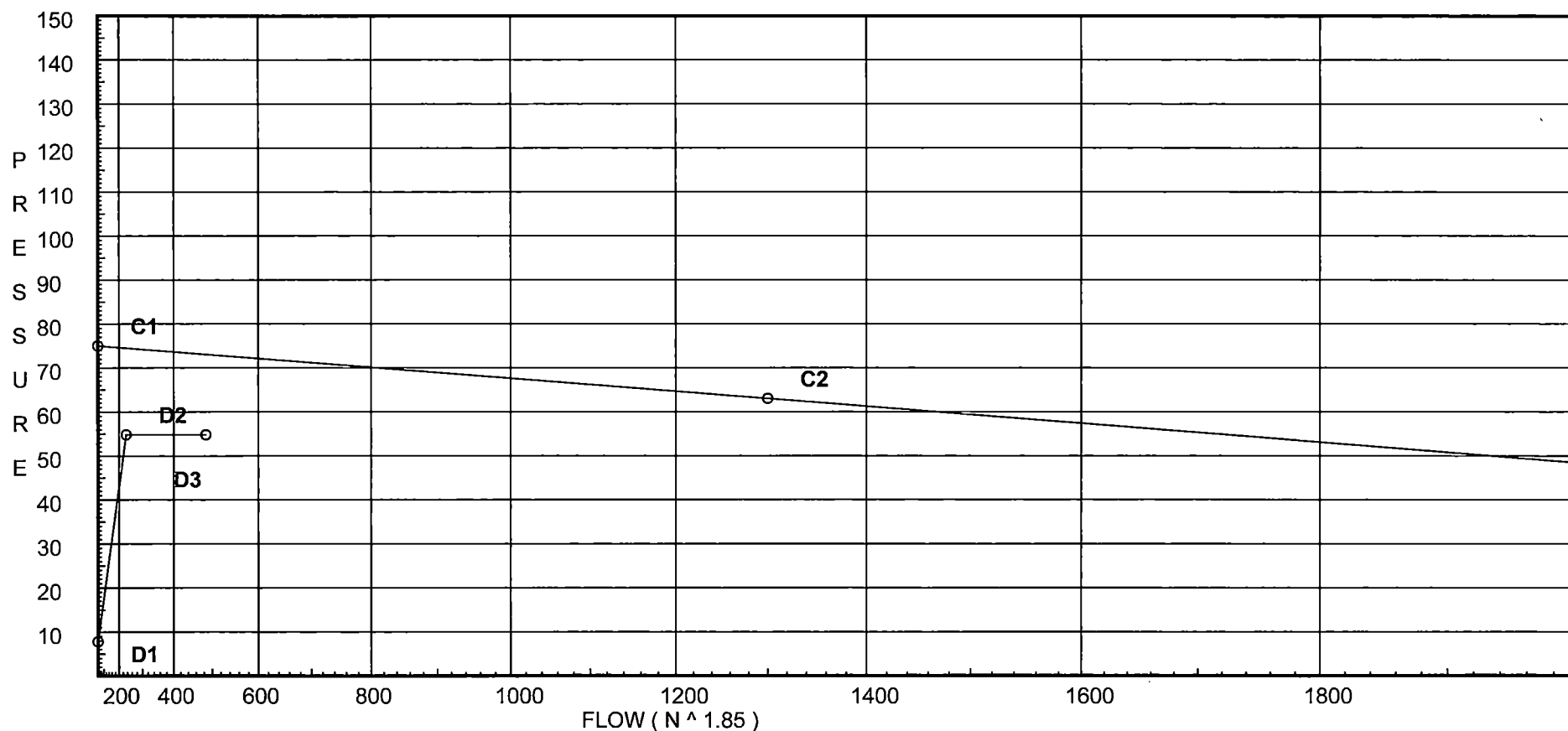
Page 2
Date 02-07-2019

City Water Supply:

C1 - Static Pressure : 75
C2 - Residual Pressure: 63
C2 - Residual Flow : 1300

Demand:

D1 - Elevation : 7.796
D2 - System Flow : 234.17
D2 - System Pressure : 54.814
Hose (Demand) : 250
D3 - System Demand : 484.17
Safety Margin : 18.256

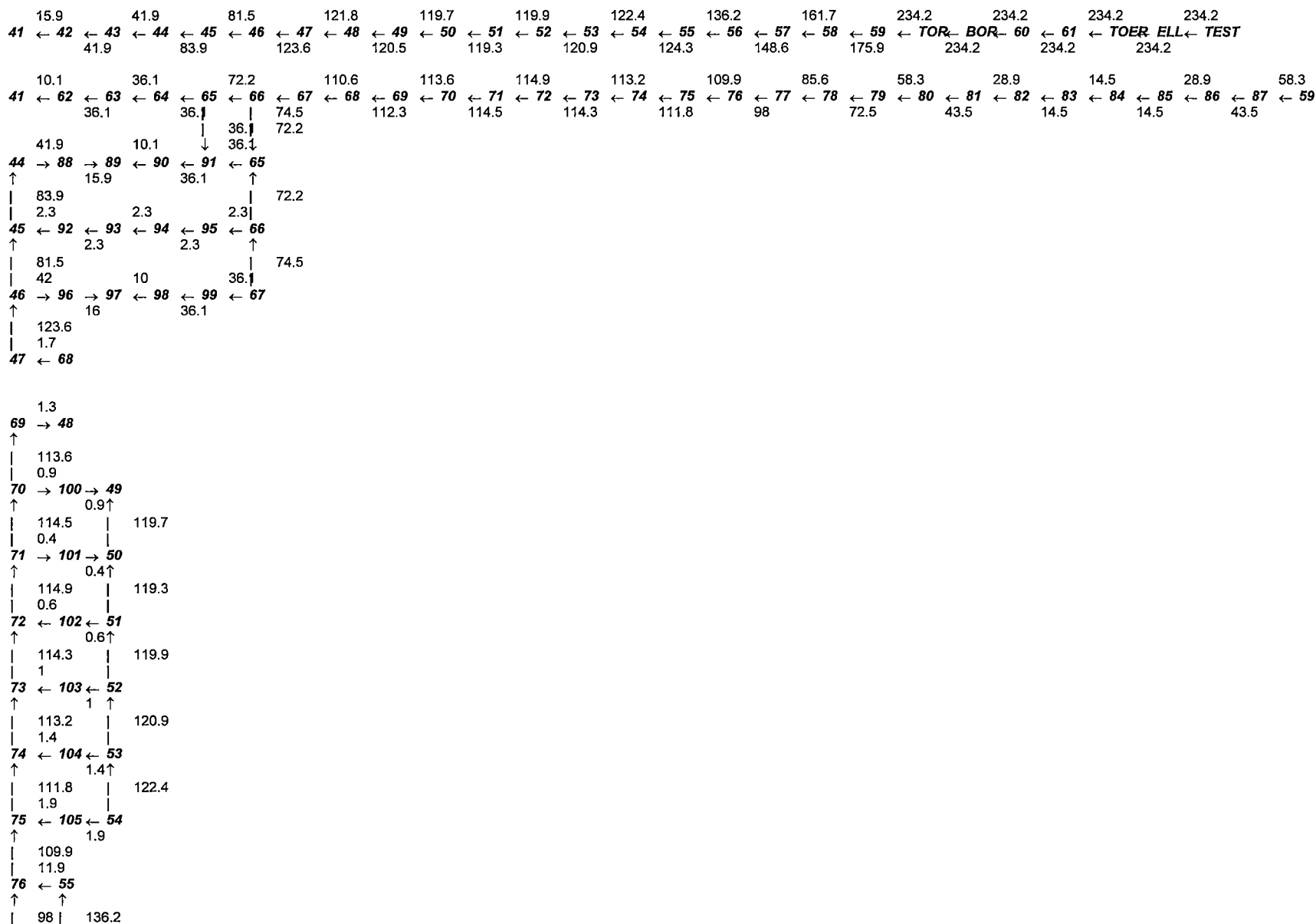


Flow Diagram

Premier Fire Systems, Inc.
Trader Joes

Page 3
Date 02-07-2019

26
~~DP04~~ EQ01



Flow Diagram

Premier Fire Systems, Inc.
Trader Joes

Page 4
Date 02-07-2019

| 12.4
77 ← 56
↑ ↑
| 85.6 148.6
| 13.1
78 ← 57
↑ ↑
| 72.5 161.7
| 14.2
79 ← 58
↑
| 58.3
| 14.8
80 ← 87
↑ |
| 43.5 43.5
| 14.6
81 ← 86
↑ |
| 28.9 28.9
| 14.3
82 ← 85

Fittings Used Summary

Premier Fire Systems, Inc.
Trader Joes

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Date 02-07-2019

Fitting Legend

Abbrev.	Name	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24
B	NFPA 13 Butterfly Valve	0	0	0	0	0	6	7	10	0	12	9	10	12	19	21	0	0	0	0	0
E	NFPA 13 90° Standard Elbow	1	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
Ezf *	1/2" EasyFlex EFB272 - 72" long	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fsp	Flow Switch Potter VSR	Fitting generates a Fixed Loss Based on Flow																			
G	NFPA 13 Gate Valve	0	0	0	0	0	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
S	NFPA 13 Swing Check	0	0	5	7	9	11	14	16	19	22	27	32	45	55	65					
T	NFPA 13 90° Flow thru Tee	3	4	5	6	8	10	12	15	17	20	25	30	35	50	60	71	81	91	101	121
Zss	Wilkins 350ASTDA	Fitting generates a Fixed Loss Based on Flow																			

Units Summary

Diameter Units Inches
Length Units Feet
Flow Units US Gallons per Minute
Pressure Units Pounds per Square Inch

Note: Fitting Legend provides equivalent pipe lengths for fittings types of various diameters. Equivalent lengths shown are standard for actual diameters of Sched 40 pipe and CFactors of 120 except as noted with *. The fittings marked with a * show equivalent lengths values supplied by manufacturers based on specific pipe diameters and CFactors and they require no adjustment. All values for fittings not marked with a * will be adjusted in the calculation for CFactors of other than 120 and diameters other than Sched 40 per NFPA.

Pressure / Flow Summary - STANDARD

Premier Fire Systems, Inc.
Trader Joes

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Date 02-07-2019

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
DP01	13.0	5.6	21.56	na	26.0	0.2	130	7.0
EQ01	18.0		36.62	na				
41	18.0	K = K @ EQ01	36.62	na	26.0			
42	18.0	K = K @ EQ01	36.69	na	26.02			
43	18.0		37.93	na				
44	18.0		37.93	na				
45	18.0		37.95	na				
46	18.0		37.97	na				
47	18.0		38.0	na				
48	18.0		38.03	na				
49	18.0		38.07	na				
50	18.0		38.1	na				
51	18.0		38.13	na				
52	18.0		38.16	na				
53	18.0		38.19	na				
54	18.0		38.23	na				
55	18.0		38.5	na				
56	18.0		38.53	na				
57	18.0		38.58	na				
58	18.0		38.64	na				
59	18.0		38.68	na				
TOR	18.0		39.24	na				
BOR	2.0		50.36	na				
60	2.0		53.06	na				
61	12.67		48.52	na				
TOER	12.67		48.94	na				
ELL	-5.0		56.6	na				
TEST	0.0		54.81	na	250.0			
62	18.0	K = K @ EQ01	36.68	na	26.02			
63	18.0		37.26	na				
64	18.0		37.95	na				
65	18.0		37.96	na				
66	18.0		37.97	na				
67	18.0		37.98	na				
68	18.0		38.01	na				
69	18.0		38.04	na				
70	18.0		38.07	na				
71	18.0		38.1	na				
72	18.0		38.13	na				
73	18.0		38.16	na				
74	18.0		38.19	na				
75	18.0		38.21	na				
76	18.0		38.24	na				
77	18.0		38.26	na				
78	18.0		38.28	na				
79	18.0		38.29	na				
80	18.0		38.3	na				
81	18.0		38.31	na				
82	18.0		38.31	na				
83	18.0		38.31	na				
84	18.0		38.67	na				
85	18.0		38.67	na				
86	18.0		38.67	na				
87	18.0		38.68	na				
88	18.0	K = K @ EQ01	36.69	na	26.03			
89	18.0	K = K @ EQ01	36.63	na	26.0			
90	18.0	K = K @ EQ01	36.68	na	26.02			
91	18.0		37.27	na				
92	18.0		37.95	na				
93	18.0		37.96	na				
94	18.0		37.96	na				

Flow Summary - Standard

Premier Fire Systems, Inc.
Trader Joes

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Date 02-07-2019

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
95	18.0		37.96	na				
96	18.0	K = K @ EQ01	36.72	na	26.04			
97	18.0	K = K @ EQ01	36.65	na	26.01			
98	18.0	K = K @ EQ01	36.71	na	26.03			
99	18.0		37.29	na				
100	18.0		38.07	na				
101	18.0		38.1	na				
102	18.0		38.13	na				
103	18.0		38.16	na				
104	18.0		38.19	na				
105	18.0		38.22	na				

The maximum velocity is 9.65 and it occurs in the pipe between nodes DP01 and EQ01

Final Calculations - Hazen-Williams - 2007

Premier Fire Systems, Inc.
Trader Joes

Page 8
Date 02-07-2019

Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
DP01 to EQ01	26.00 26.0	1.049 120.0 0.2114	1T 1Ezf	5.0 71.0 0.0	5.500 76.000 81.500	21.556 -2.166 17.233			K Factor = 5.60 Vel = 9.65	
	0.0 26.00						36.623		K Factor = 4.30	
41 to 42	15.91 15.91	1.682 120.0 0.0085		0.0 0.0 0.0	8.000 0.0 8.000	36.623 0.0 0.068			K Factor @ node EQ01 Vel = 2.30	
42 to 43	26.03 41.94	1.682 120.0 0.0513	1T	9.9 0.0 0.0	14.190 9.900 24.090	36.691 0.0 1.237			K Factor @ node EQ01 Vel = 6.06	
43 to 44	0.0 41.94	4.26 120.0 0.0006		0.0 0.0 0.0	8.000 0.0 8.000	37.928 0.0 0.005			Vel = 0.94	
44 to 45	41.94 83.88	4.26 120.0 0.0020		0.0 0.0 0.0	8.000 0.0 8.000	37.933 0.0 0.016			Vel = 1.89	
45 to 46	-2.34 81.54	4.26 120.0 0.0019		0.0 0.0 0.0	8.480 0.0 8.480	37.949 0.0 0.016			Vel = 1.84	
46 to 47	42.01 123.55	4.26 120.0 0.0041		0.0 0.0 0.0	8.000 0.0 8.000	37.965 0.0 0.033			Vel = 2.78	
47 to 48	-1.72 121.83	4.26 120.0 0.0040		0.0 0.0 0.0	8.000 0.0 8.000	37.998 0.0 0.032			Vel = 2.74	
48 to 49	-1.31 120.52	4.26 120.0 0.0040		0.0 0.0 0.0	9.080 0.0 9.080	38.030 0.0 0.036			Vel = 2.71	
49 to 50	-0.85 119.67	4.26 120.0 0.0038		0.0 0.0 0.0	8.000 0.0 8.000	38.066 0.0 0.030			Vel = 2.69	
50 to 51	-0.35 119.32	4.26 120.0 0.0039		0.0 0.0 0.0	8.000 0.0 8.000	38.096 0.0 0.031			Vel = 2.69	
51 to 52	0.58 119.9	4.26 120.0 0.0039		0.0 0.0 0.0	8.920 0.0 8.920	38.127 0.0 0.035			Vel = 2.70	
52 to 53	1.04 120.94	4.26 120.0 0.0040		0.0 0.0 0.0	8.000 0.0 8.000	38.162 0.0 0.032			Vel = 2.72	
53 to 54	1.44 122.38	4.26 120.0 0.0040		0.0 0.0 0.0	8.000 0.0 8.000	38.194 0.0 0.032			Vel = 2.75	
54 to 55	1.88 124.26	4.26 120.0 0.0041	2E	26.334 0.0 0.0	38.580 26.334 64.914	38.226 0.0 0.269			Vel = 2.80	
55 to 56	11.93 136.19	4.26 120.0 0.0049		0.0 0.0 0.0	8.000 0.0 8.000	38.495 0.0 0.039			Vel = 3.07	

Final Calculations - Hazen-Williams

Premier Fire Systems, Inc.
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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
56 to 57	12.39 148.58	4.26 120.0 0.0059		0.0 0.0 0.0	8.000 0.0 8.000	38.534 0.0 0.047			Vel = 3.34	
57 to 58	13.10 161.68	4.26 120.0 0.0067		0.0 0.0 0.0	9.000 0.0 9.000	38.581 0.0 0.060			Vel = 3.64	
58 to 59	14.18 175.86	4.26 120.0 0.0080		0.0 0.0 0.0	5.020 0.0 5.020	38.641 0.0 0.040			Vel = 3.96	
59 to TOR	58.31 234.17	4.26 120.0 0.0134	1T 1E	26.334 13.167 0.0	2.400 39.501 41.901	38.681 0.0 0.561			Vel = 5.27	
TOR to BOR	0.0 234.17	4.26 120.0 0.0134	1E 2B 1Fsp 1S	13.167 31.601 0.0 28.968	15.000 73.736 88.736	39.242 9.930 1.189		** Fixed Loss = 3	Vel = 5.27	
BOR to 60	0.0 234.17	6.357 120.0 0.0021	1Zss	0.0 0.0 0.0	1.410 0.0 1.410	50.361 2.692 0.003		** Fixed Loss = 2.692	Vel = 2.37	
60 to 61	0.0 234.17	6.357 120.0 0.0019	2E	35.205 0.0 0.0	10.670 35.205 45.875	53.056 -4.621 0.087			Vel = 2.37	
61 to TOER	0.0 234.17	6.357 120.0 0.0019	3E	52.808 0.0 0.0	168.940 52.808 221.748	48.522 0.0 0.423			Vel = 2.37	
TOER to ELL	0.0 234.17	6.357 120.0 0.0024		0.0 0.0 0.0	0.420 0.0 0.420	48.945 7.653 0.001			Vel = 2.37	
ELL to TEST	0.0 234.17	6.16 140.0 0.0017	4E 1G 1T	80.336 4.304 43.037	100.000 127.677 227.677	56.599 -2.166 0.381			Vel = 2.52	
	250.00 484.17					54.814		Qa = 250.00 K Factor = 65.40		
41 to 62	10.09 10.09	1.682 120.0 0.0037		0.0 0.0 0.0	15.000 0.0 15.000	36.623 0.0 0.055			Vel = 1.46	
62 to 63	26.02 36.11	1.682 120.0 0.0389		0.0 0.0 0.0	15.000 0.0 15.000	36.678 0.0 0.584		K Factor @ node EQ01	Vel = 5.21	
63 to 64	0.0 36.11	1.682 120.0 0.0389	1T	9.9 0.0 0.0	7.850 9.900 17.750	37.262 0.0 0.691			Vel = 5.21	
64 to 65	0.0 36.11	4.26 120.0 0.0004		0.0 0.0 0.0	8.000 0.0 8.000	37.953 0.0 0.003			Vel = 0.81	
65 to 66	36.10 72.21	4.26 120.0 0.0016		0.0 0.0 0.0	8.000 0.0 8.000	37.956 0.0 0.013			Vel = 1.63	

Final Calculations - Hazen-Williams

Premier Fire Systems, Inc.
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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
66 to 67	2.34 74.55	4.26 120.0 0.0015	0.0 0.0 0.0	8.480 0.0 8.480	37.969 0.0 0.013			Vel = 1.68	
67 to 68	36.07 110.62	4.26 120.0 0.0034	0.0 0.0 0.0	8.000 0.0 8.000	37.982 0.0 0.027			Vel = 2.49	
68 to 69	1.72 112.34	4.26 120.0 0.0035	0.0 0.0 0.0	8.000 0.0 8.000	38.009 0.0 0.028			Vel = 2.53	
69 to 70	1.31 113.65	4.26 120.0 0.0035	0.0 0.0 0.0	9.080 0.0 9.080	38.037 0.0 0.032			Vel = 2.56	
70 to 71	0.85 114.5	4.26 120.0 0.0035	0.0 0.0 0.0	8.000 0.0 8.000	38.069 0.0 0.028			Vel = 2.58	
71 to 72	0.36 114.86	4.26 120.0 0.0036	0.0 0.0 0.0	8.000 0.0 8.000	38.097 0.0 0.029			Vel = 2.59	
72 to 73	-0.58 114.28	4.26 120.0 0.0036	0.0 0.0 0.0	8.920 0.0 8.920	38.126 0.0 0.032			Vel = 2.57	
73 to 74	-1.05 113.23	4.26 120.0 0.0034	0.0 0.0 0.0	8.000 0.0 8.000	38.158 0.0 0.027			Vel = 2.55	
74 to 75	-1.44 111.79	4.26 120.0 0.0035	0.0 0.0 0.0	8.000 0.0 8.000	38.185 0.0 0.028			Vel = 2.52	
75 to 76	-1.88 109.91	4.26 120.0 0.0032	0.0 0.0 0.0	9.000 0.0 9.000	38.213 0.0 0.029			Vel = 2.47	
76 to 77	-11.93 97.98	4.26 120.0 0.0028	0.0 0.0 0.0	8.000 0.0 8.000	38.242 0.0 0.022			Vel = 2.21	
77 to 78	-12.39 85.59	4.26 120.0 0.0020	0.0 0.0 0.0	8.000 0.0 8.000	38.264 0.0 0.016			Vel = 1.93	
78 to 79	-13.10 72.49	4.26 120.0 0.0016	0.0 0.0 0.0	9.000 0.0 9.000	38.280 0.0 0.014			Vel = 1.63	
79 to 80	-14.18 58.31	4.26 120.0 0.0010	0.0 0.0 0.0	8.000 0.0 8.000	38.294 0.0 0.008			Vel = 1.31	
80 to 81	-14.79 43.52	4.26 120.0 0.0006	0.0 0.0 0.0	8.000 0.0 8.000	38.302 0.0 0.005			Vel = 0.98	
81 to 82	-14.58 28.94	4.26 120.0 0.0004	0.0 0.0 0.0	8.300 0.0 8.300	38.307 0.0 0.003			Vel = 0.65	

Final Calculations - Hazen-Williams

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Trader Joes

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
82 to 83	-14.48 14.46	4.26 120.0 0.0		0.0 0.0 0.0	8.000 0.0 8.000	38.310 0.0 0.0				Vel = 0.33
83 to 84	0.0 14.46	1.682 120.0 0.0072	2T	19.799 0.0 0.0	30.470 19.799 50.269	38.310 0.0 0.360				Vel = 2.09
84 to 85	0.0 14.46	4.26 120.0 0.0001		0.0 0.0 0.0	8.000 0.0 8.000	38.670 0.0 0.001				Vel = 0.33
85 to 86	14.48 28.94	4.26 120.0 0.0002		0.0 0.0 0.0	8.290 0.0 8.290	38.671 0.0 0.002				Vel = 0.65
86 to 87	14.58 43.52	4.26 120.0 0.0006		0.0 0.0 0.0	8.000 0.0 8.000	38.673 0.0 0.005				Vel = 0.98
87 to 59	14.79 58.31	4.26 120.0 0.0010		0.0 0.0 0.0	2.980 0.0 2.980	38.678 0.0 0.003				Vel = 1.31
	0.0 58.31					38.681				K Factor = 9.38
44 to 88	-41.95 -41.95	1.682 120.0 -0.0514	1T	9.9 0.0 0.0	14.190 9.900 24.090	37.933 0.0 -1.238				Vel = 6.06
88 to 89	26.03 -15.92	1.682 120.0 -0.0086		0.0 0.0 0.0	8.000 0.0 8.000	36.695 0.0 -0.069				K Factor @ node EQ01 Vel = 2.30
89 to 90	26.00 10.08	1.682 120.0 0.0037		0.0 0.0 0.0	15.000 0.0 15.000	36.626 0.0 0.056				K Factor @ node EQ01 Vel = 1.46
90 to 91	26.02 36.1	1.682 120.0 0.0389		0.0 0.0 0.0	15.000 0.0 15.000	36.682 0.0 0.584				K Factor @ node EQ01 Vel = 5.21
91 to 65	0.0 36.1	1.682 120.0 0.0389	1T	9.9 0.0 0.0	7.850 9.900 17.750	37.266 0.0 0.690				Vel = 5.21
	0.0 36.10					37.956				K Factor = 5.86
45 to 92	2.34 2.34	1.682 120.0 0.0002	1T	9.9 0.0 0.0	7.190 9.900 17.090	37.949 0.0 0.004				Vel = 0.34
92 to 93	0.0 2.34	1.682 120.0 0.0003		0.0 0.0 0.0	15.000 0.0 15.000	37.953 0.0 0.004				Vel = 0.34
93 to 94	0.0 2.34	1.682 120.0 0.0003		0.0 0.0 0.0	15.000 0.0 15.000	37.957 0.0 0.004				Vel = 0.34
94 to 95	0.0 2.34	1.682 120.0 0.0002		0.0 0.0 0.0	15.000 0.0 15.000	37.961 0.0 0.003				Vel = 0.34

Final Calculations - Hazen-Williams

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
95 to 66	0.0 2.34	1.682 120.0 0.0003	1T	9.9 0.0 0.0	7.850 9.900 17.750	37.964 0.0 0.005		Vel = 0.34	
	0.0 2.34					37.969		K Factor = 0.38	
46 to 96	-42.01 -42.01	1.682 120.0 -0.0515	1T	9.9 0.0 0.0	14.190 9.900 24.090	37.965 0.0 -1.241		Vel = 6.07	
96 to 97	26.04 -15.97	1.682 120.0 -0.0086		0.0 0.0 0.0	8.000 0.0 8.000	36.724 0.0 -0.069		K Factor @ node EQ01 Vel = 2.31	
97 to 98	26.01 10.04	1.682 120.0 0.0037		0.0 0.0 0.0	15.000 0.0 15.000	36.655 0.0 0.055		K Factor @ node EQ01 Vel = 1.45	
98 to 99	26.03 36.07	1.682 120.0 0.0388		0.0 0.0 0.0	15.000 0.0 15.000	36.710 0.0 0.582		K Factor @ node EQ01 Vel = 5.21	
99 to 67	0.0 36.07	1.682 120.0 0.0389	1T	9.9 0.0 0.0	7.850 9.900 17.750	37.292 0.0 0.690		Vel = 5.21	
	0.0 36.07					37.982		K Factor = 5.85	
47 to 68	1.72 1.72	1.682 120.0 0.0001	2T	19.799 0.0 0.0	60.040 19.799 79.839	37.998 0.0 0.011		Vel = 0.25	
	0.0 1.72					38.009		K Factor = 0.28	
69 to 48	-1.31 -1.31	1.682 120.0 -0.0001	2T	19.799 0.0 0.0	60.040 19.799 79.839	38.037 0.0 -0.007		Vel = 0.19	
	0.0 -1.31					38.030		K Factor = -0.21	
70 to 100	-0.85 -0.85	1.682 120.0 -0.0001	1T	9.9 0.0 0.0	7.850 9.900 17.750	38.069 0.0 -0.001		Vel = 0.12	
100 to 49	0.0 -0.85	1.682 120.0 0.0	1T	9.9 0.0 0.0	52.190 9.900 62.090	38.068 0.0 -0.002		Vel = 0.12	
	0.0 -0.85					38.066		K Factor = -0.14	
71 to 101	-0.36 -0.36	1.682 120.0 0.0	1T	9.9 0.0 0.0	7.850 9.900 17.750	38.097 0.0 0.0		Vel = 0.05	
101 to 50	0.0 -0.36	1.682 120.0 0.0	1T	9.9 0.0 0.0	52.190 9.900 62.090	38.097 0.0 -0.001		Vel = 0.05	
	0.0 -0.36					38.096		K Factor = -0.06	

Final Calculations - Hazen-Williams

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Trader Joes

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
72 to 102	0.58 0.58	1.682 120.0 0.0	1T 0.0 0.0	7.850 9.900 17.750	38.126 0.0 0.0			Vel = 0.08	
102 to 51	0.0 0.58	1.682 120.0 0.0	1T 0.0 0.0	52.190 9.900 62.090	38.126 0.0 0.001			Vel = 0.08	
	0.0 0.58				38.127			K Factor = 0.09	
73 to 103	1.05 1.05	1.682 120.0 0.0	1T 0.0 0.0	7.850 9.900 17.750	38.158 0.0 0.0			Vel = 0.15	
103 to 52	0.0 1.05	1.682 120.0 0.0001	1T 0.0 0.0	52.190 9.900 62.090	38.158 0.0 0.004			Vel = 0.15	
	0.0 1.05				38.162			K Factor = 0.17	
74 to 104	1.44 1.44	1.682 120.0 0.0001	1T 0.0 0.0	7.850 9.900 17.750	38.185 0.0 0.002			Vel = 0.21	
104 to 53	0.0 1.44	1.682 120.0 0.0001	1T 0.0 0.0	52.190 9.900 62.090	38.187 0.0 0.007			Vel = 0.21	
	0.0 1.44				38.194			K Factor = 0.23	
75 to 105	1.87 1.87	1.682 120.0 0.0002	1T 0.0 0.0	7.850 9.900 17.750	38.213 0.0 0.003			Vel = 0.27	
105 to 54	0.0 1.87	1.682 120.0 0.0002	1T 0.0 0.0	52.190 9.900 62.090	38.216 0.0 0.010			Vel = 0.27	
	0.0 1.87				38.226			K Factor = 0.30	
76 to 55	11.94 11.94	1.682 120.0 0.0050	2T 0.0 0.0	30.470 19.799 50.269	38.242 0.0 0.253			Vel = 1.72	
	0.0 11.94				38.495			K Factor = 1.92	
77 to 56	12.39 12.39	1.682 120.0 0.0054	2T 0.0 0.0	30.470 19.799 50.269	38.264 0.0 0.270			Vel = 1.79	
	0.0 12.39				38.534			K Factor = 2.00	
78 to 57	13.10 13.1	1.682 120.0 0.0060	2T 0.0 0.0	30.470 19.799 50.269	38.280 0.0 0.301			Vel = 1.89	
	0.0 13.10				38.581			K Factor = 2.11	
79 to 58	14.17 14.17	1.682 120.0 0.0069	2T 0.0 0.0	30.470 19.799 50.269	38.294 0.0 0.347			Vel = 2.05	

Final Calculations - Hazen-Williams

Premier Fire Systems, Inc.
Trader Joes

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
	0.0 14.17					38.641			K Factor = 2.28	
80 to 87	14.79	1.682 120.0	2T	19.799 0.0	30.470 19.799	38.302 0.0			Vel = 2.14	
	14.79	0.0075		0.0	50.269	0.376				
	0.0 14.79					38.678			K Factor = 2.38	
81 to 86	14.58	1.682 120.0	2T	19.799 0.0	30.470 19.799	38.307 0.0			Vel = 2.11	
	14.58	0.0073		0.0	50.269	0.366				
	0.0 14.58					38.673			K Factor = 2.34	
82 to 85	14.48	1.682 120.0	2T	19.799 0.0	30.470 19.799	38.310 0.0			Vel = 2.09	
	14.48	0.0072		0.0	50.269	0.361				
	0.0 14.48					38.671			K Factor = 2.33	

AutoPeaking Summary

Premier Fire Systems, Inc.
 Trader Joes

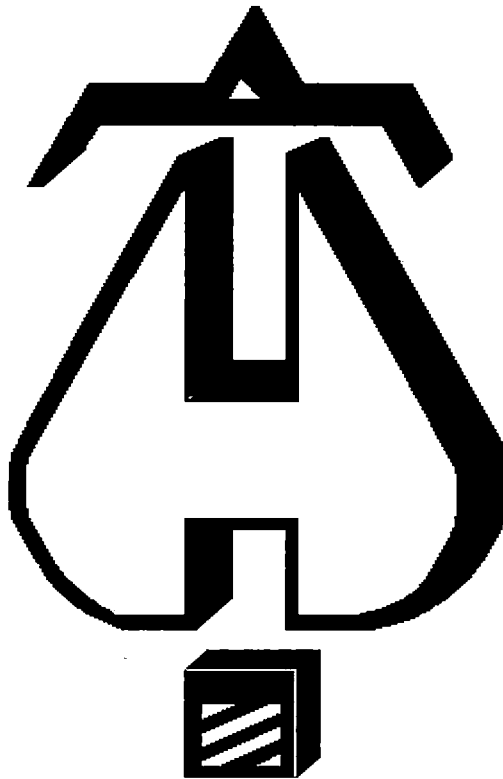
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Auto Peaking Summary - List of Pipes for Area Calculated

Left			Right		
Side			Side		
From	To	Length	From	To	Length
42	43	19.190	63	64	7.850
44	88	14.190	91	65	7.850
45	92	7.190	95	66	7.850
46	96	14.190	99	67	7.850
42	43	14.190	63	64	7.850
44	88	14.190	91	65	7.850
45	92	7.190	95	66	7.850
46	96	14.190	99	67	7.850

		Flow	Safety	Pressure
		Required	Margin	Differential
Area Calculated		484.170	18.256	-0.028
Right	5.000	484.183	18.228	0.000

Typical Distance Between Heads = 5.000
 Split Point Used in Worst Area Peaked = 41
 Split Point Used in Area Calculated = 41



... Fire Protection by Computer Design

Premier Fire Systems, Inc.
Lic. # P00647
2 Ilene Court #21
Hillsborough, N.J. 08844
908-874-4144

Job Name : Trader Joes
Building : SPK100
Location : 56 Chambers Bridge Road, Brick, NJ 08723
System : 2
Contract : 283
Data File : 283 Trader Joes Submittal 02-07-19 Rev3 AREA 9.wxf283 Trader

HYDRAULIC CALCULATIONS
for

Project name: Trader Joes Vanilla Box
Location: 56 Chambers Bridge Road, Brick, NJ 08723
Drawing no: SPK100
Date: 02-07-2018

Design

Remote area number: 2
Remote area location: Most Demanding Remote Overhang
Occupancy classification: OHG2 - Temporary Storage - Mercantile
Density: 0.20 - Gpm/SqFt
Area of application: 855 Entire - SqFt
Coverage per sprinkler: 16' x 16' - SqFt
Type of sprinklers calculated: TYCO SIN#TY5339 Uprights 11.2K
No. of sprinklers calculated: 4
In-rack demand: N/A - GPM
Hose streams: 250 - GPM
Total water required (including hose streams): 454.872 - GPM @ 50.038 - Psi
Type of system: New Wet Grid System
Volume of dry or preaction system: N/A - Gal

Water supply information

Date: 05-06-2014
Location: Hydrant on Site
Source: MAC Sprinkler

Name of contractor: Premier Fire Systems, Inc.
Address: Lic. # P00647 / 2 Ilene Court #21 / Hillsborough, N.J. 08844
Phone number: 908-874-4144
Name of designer: Tsunami FireSuppression
Authority having jurisdiction: Local Fire Marshal
Notes: (Include peaking information or gridded systems here.) Saftey Factor: 23.24 psi
Electronically Peaked

Water Supply Curve C

Premier Fire Systems, Inc.
Trader Joes

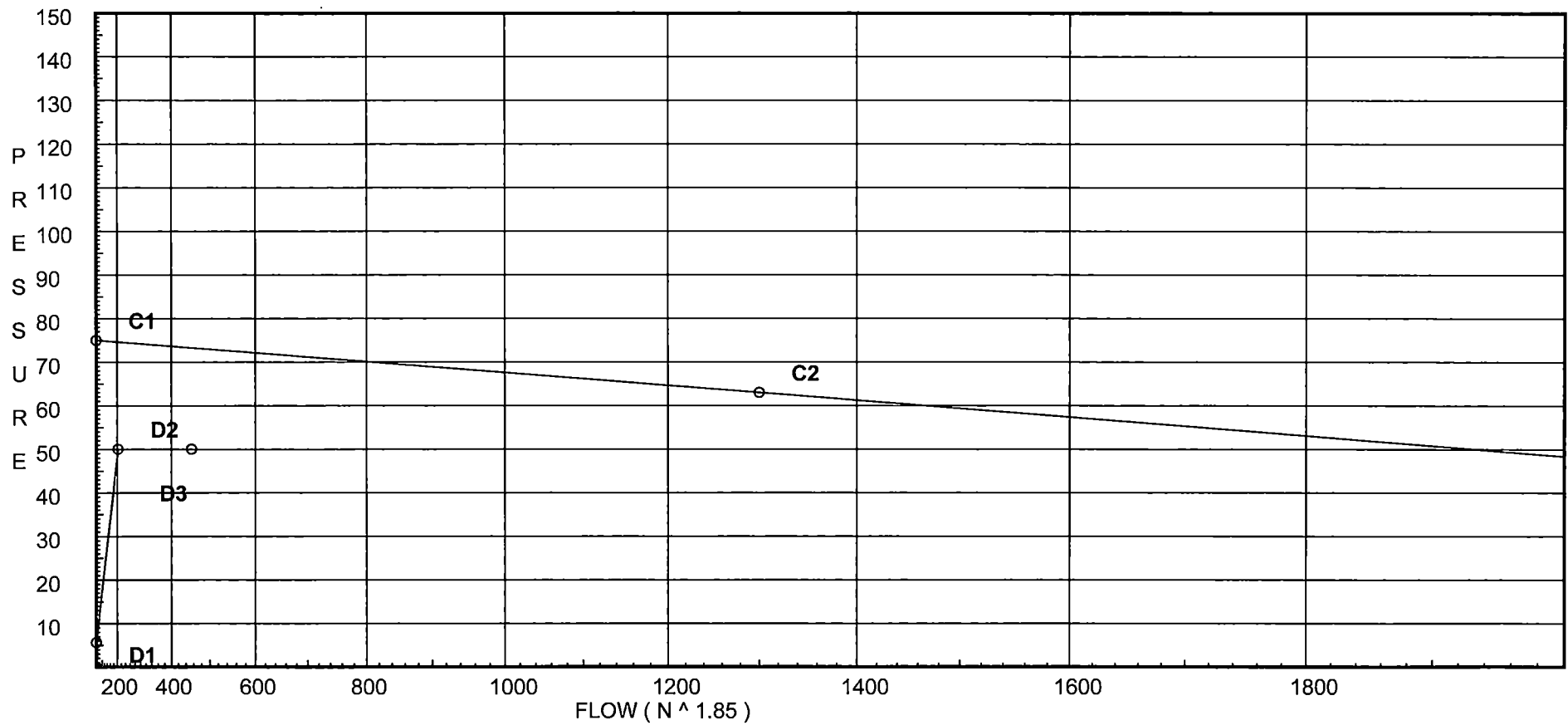
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City Water Supply:

C1 - Static Pressure : 75
C2 - Residual Pressure: 63
C2 - Residual Flow : 1300

Demand:

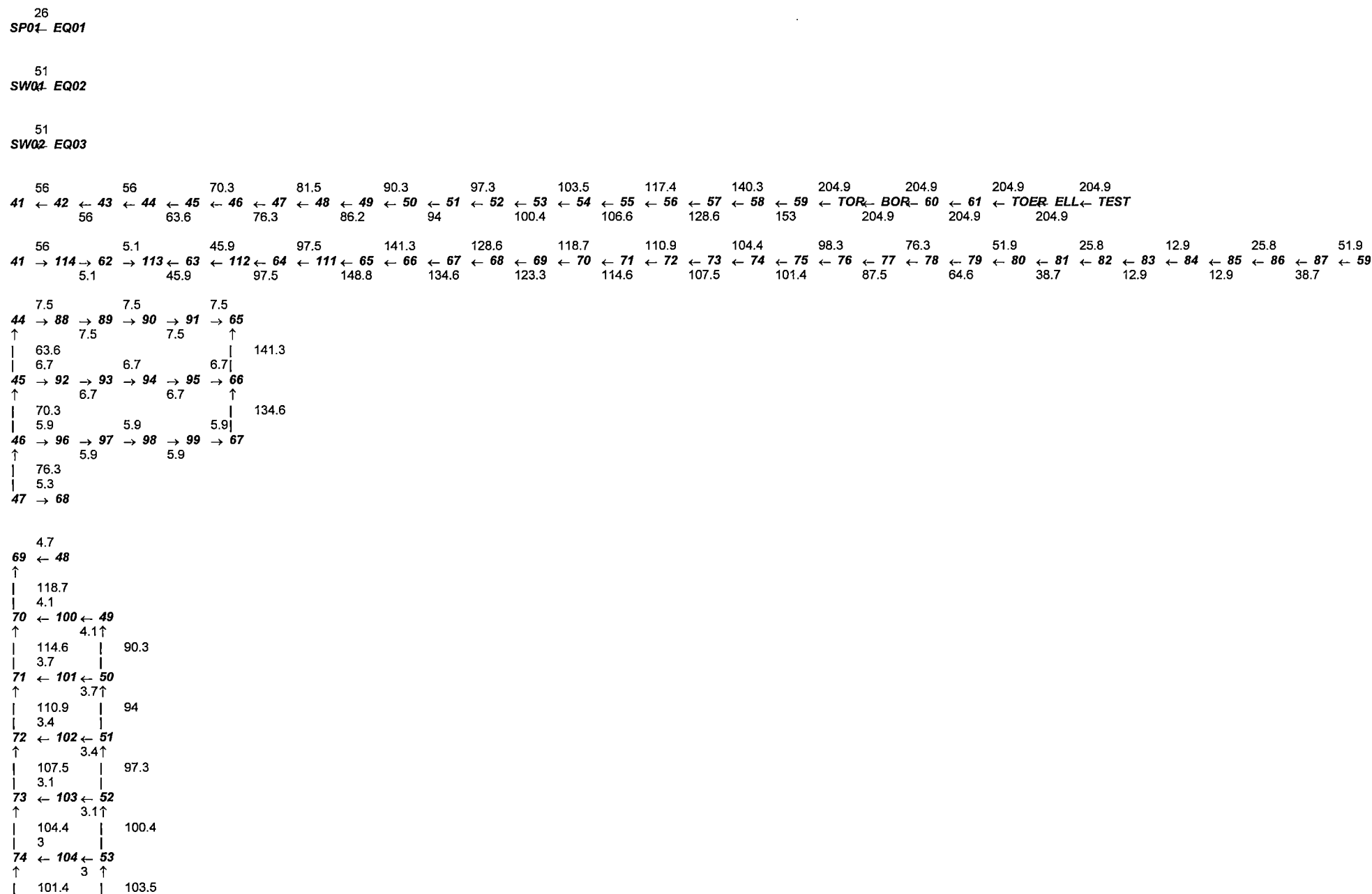
D1 - Elevation : 5.630
D2 - System Flow : 204.872
D2 - System Pressure : 50.038
Hose (Demand) : 250
D3 - System Demand : 454.872
Safety Margin : 23.242



Flow Diagram

Premier Fire Systems, Inc.
Trader Joes

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Flow Diagram

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| 3.1 |
75 ← 105 ← 54
↑ 3.1
| 98.3
| 10.8
76 ← 55
↑
| 87.5 117.4
| 11.2
77 ← 56
↑
| 76.3 128.6
| 11.8
78 ← 57
↑
| 64.6 140.3
| 12.6
79 ← 58
↑
| 51.9
| 13.2
80 ← 87
↑
| 38.7 38.7
| 13
81 ← 86
↑
| 25.8 25.8
| 12.9
82 ← 85

51.3
110 ← 111

Fittings Used Summary

Premier Fire Systems, Inc.
Trader Joes

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Fitting Legend

Abbrev.	Name	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24
B	NFPA 13 Butterfly Valve	0	0	0	0	0	6	7	10	0	12	9	10	12	19	21	0	0	0	0	0
E	NFPA 13 90° Standard Elbow	1	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
Fsp	Flow Switch Potter VSR	Fitting generates a Fixed Loss Based on Flow																			
G	NFPA 13 Gate Valve	0	0	0	0	0	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
S	NFPA 13 Swing Check	0	0	5	7	9	11	14	16	19	22	27	32	45	55	65					
T	NFPA 13 90° Flow thru Tee	3	4	5	6	8	10	12	15	17	20	25	30	35	50	60	71	81	91	101	121
Zss	Wilkins 350ASTDA	Fitting generates a Fixed Loss Based on Flow																			

Units Summary

Diameter Units Inches
Length Units Feet
Flow Units US Gallons per Minute
Pressure Units Pounds per Square Inch

Note: Fitting Legend provides equivalent pipe lengths for fittings types of various diameters. Equivalent lengths shown are standard for actual diameters of Sched 40 pipe and CFactors of 120 except as noted with *. The fittings marked with a * show equivalent lengths values supplied by manufacturers based on specific pipe diameters and CFactors and they require no adjustment. All values for fittings not marked with a * will be adjusted in the calculation for CFactors of other than 120 and diameters other than Sched 40 per NFPA.

Pressure / Flow Summary - STANDARD

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Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
SP01	14.0	5.6	21.56	na	26.0	0.2	130	7.0
EQ01	13.0		23.26	na				
SW01	14.0	11.2	20.7	na	50.96	0.2	0.001	20.7
EQ02	13.0		32.15	na				
SW02	14.0	11.2	20.7	na	50.96	0.2	0.001	20.7
EQ03	13.0		33.43	na				
41	13.0		32.99	na				
42	13.0		34.31	na				
43	13.0		35.81	na				
44	13.0		35.82	na				
45	13.0		35.83	na				
46	13.0		35.84	na				
47	13.0		35.86	na				
48	13.0		35.87	na				
49	13.0		35.89	na				
50	13.0		35.91	na				
51	13.0		35.93	na				
52	13.0		35.95	na				
53	13.0		35.98	na				
54	13.0		36.0	na				
55	13.0		36.2	na				
56	13.0		36.23	na				
57	13.0		36.27	na				
58	13.0		36.31	na				
59	13.0		36.34	na				
TOR	13.0		36.78	na				
BOR	2.0		45.43	na				
60	2.0		48.48	na				
61	12.67		43.92	na				
TOER	12.67		44.25	na				
ELL	-5.0		51.91	na				
TEST	0.0		50.04	na	250.0			
114	13.0	K = K @ EQ02	32.16	na	50.97			
62	13.0		32.15	na				
113	13.0	K = K @ EQ02	32.15	na	50.96			
63	13.0		32.56	na				
112	13.0	K = K @ EQ02	32.98	na	51.61			
64	13.0		35.61	na				
111	13.0		35.61	na				
65	13.0		35.65	na				
66	13.0		35.69	na				
67	13.0		35.73	na				
68	13.0		35.77	na				
69	13.0		35.8	na				
70	13.0		35.84	na				
71	13.0		35.86	na				
72	13.0		35.89	na				
73	13.0		35.92	na				
74	13.0		35.94	na				
75	13.0		35.97	na				
76	13.0		35.99	na				
77	13.0		36.01	na				
78	13.0		36.02	na				
79	13.0		36.03	na				
80	13.0		36.04	na				
81	13.0		36.04	na				
82	13.0		36.04	na				
83	13.0		36.05	na				
84	13.0		36.34	na				
85	13.0		36.34	na				
86	13.0		36.34	na				

Flow Summary - Standard

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Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
87	13.0		36.34	na				
88	13.0		35.78	na				
89	13.0		35.75	na				
90	13.0		35.72	na				
91	13.0		35.69	na				
92	13.0		35.8	na				
93	13.0		35.78	na				
94	13.0		35.75	na				
95	13.0		35.72	na				
96	13.0		35.82	na				
97	13.0		35.8	na				
98	13.0		35.78	na				
99	13.0		35.76	na				
100	13.0		35.85	na				
101	13.0		35.87	na				
102	13.0		35.9	na				
103	13.0		35.93	na				
104	13.0		35.95	na				
105	13.0		35.97	na				
110	13.0	K = K @ EQ03	33.93	na	51.33			

The maximum velocity is 18.92 and it occurs in the pipe between nodes SW01 and EQ02

Final Calculations - Hazen-Williams - 2007

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
SP01 to EQ01	26.00 26.0	1.049 120.0 0.2115	1T	5.0 0.0 0.0	1.000 5.000 6.000	21.556 0.433 1.269			K Factor = 5.60 Vel = 9.65	
	0.0 26.00					23.258			K Factor = 5.39	
SW01 to EQ02	50.96 50.96	1.049 120.0 0.7342	2T	10.0 0.0 0.0	5.000 10.000 15.000	20.700 0.433 11.013			K Factor = 11.20 Vel = 18.92	
	0.0 50.96					32.146			K Factor = 8.99	
SW02 to EQ03	50.96 50.96	1.049 120.0 0.7342	2T	10.0 0.0 0.0	6.750 10.000 16.750	20.700 0.433 12.298			K Factor = 11.20 Vel = 18.92	
	0.0 50.96					33.431			K Factor = 8.81	
41 to 42	56.05 56.05	1.682 120.0 0.0878		0.0 0.0 0.0	15.000 0.0 15.000	32.995 0.0 1.317			Vel = 8.09	
42 to 43	0.0 56.05	1.682 120.0 0.0879	1T	9.9 0.0 0.0	7.190 9.900 17.090	34.312 0.0 1.502			Vel = 8.09	
43 to 44	0.0 56.05	4.26 120.0 0.0009		0.0 0.0 0.0	8.000 0.0 8.000	35.814 0.0 0.007			Vel = 1.26	
44 to 45	7.54 63.59	4.26 120.0 0.0012		0.0 0.0 0.0	8.000 0.0 8.000	35.821 0.0 0.010			Vel = 1.43	
45 to 46	6.72 70.31	4.26 120.0 0.0014		0.0 0.0 0.0	8.480 0.0 8.480	35.831 0.0 0.012			Vel = 1.58	
46 to 47	5.95 76.26	4.26 120.0 0.0018		0.0 0.0 0.0	8.000 0.0 8.000	35.843 0.0 0.014			Vel = 1.72	
47 to 48	5.27 81.53	4.26 120.0 0.0019		0.0 0.0 0.0	8.000 0.0 8.000	35.857 0.0 0.015			Vel = 1.84	
48 to 49	4.68 86.21	4.26 120.0 0.0021		0.0 0.0 0.0	9.080 0.0 9.080	35.872 0.0 0.019			Vel = 1.94	
49 to 50	4.09 90.3	4.26 120.0 0.0022		0.0 0.0 0.0	8.000 0.0 8.000	35.891 0.0 0.018			Vel = 2.03	
50 to 51	3.68 93.98	4.26 120.0 0.0025		0.0 0.0 0.0	8.000 0.0 8.000	35.909 0.0 0.020			Vel = 2.12	
51 to 52	3.35 97.33	4.26 120.0 0.0027		0.0 0.0 0.0	8.920 0.0 8.920	35.929 0.0 0.024			Vel = 2.19	

Final Calculations - Hazen-Williams

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
52 to 53	3.11 100.44	4.26 120.0 0.0028		0.0 0.0 0.0	8.000 0.0 8.000	35.953 0.0 0.022			Vel = 2.26	
53 to 54	3.04 103.48	4.26 120.0 0.0030		0.0 0.0 0.0	8.000 0.0 8.000	35.975 0.0 0.024			Vel = 2.33	
54 to 55	3.07 106.55	4.26 120.0 0.0031	2E	26.334 0.0 0.0	38.580 26.334 64.914	35.999 0.0 0.203			Vel = 2.40	
55 to 56	10.84 117.39	4.26 120.0 0.0036		0.0 0.0 0.0	8.000 0.0 8.000	36.202 0.0 0.029			Vel = 2.64	
56 to 57	11.17 128.56	4.26 120.0 0.0045		0.0 0.0 0.0	8.000 0.0 8.000	36.231 0.0 0.036			Vel = 2.89	
57 to 58	11.76 140.32	4.26 120.0 0.0052		0.0 0.0 0.0	9.000 0.0 9.000	36.267 0.0 0.047			Vel = 3.16	
58 to 59	12.65 152.97	4.26 120.0 0.0060		0.0 0.0 0.0	5.020 0.0 5.020	36.314 0.0 0.030			Vel = 3.44	
59 to TOR	51.90 204.87	4.26 120.0 0.0105	1T 1E	26.334 13.167 0.0	2.400 39.501 41.901	36.344 0.0 0.438			Vel = 4.61	
TOR to BOR	0.0 204.87	4.26 120.0 0.0105	1E 2B 1Fsp 1S	13.167 31.601 0.0 28.968	11.000 73.736 84.736	36.782 7.764 0.887		** Fixed Loss = 3	Vel = 4.61	
BOR to 60	0.0 204.87	6.357 120.0 0.0014	1Zss	0.0 0.0 0.0	1.410 0.0 1.410	45.433 3.040 0.002		** Fixed Loss = 3.04	Vel = 2.07	
60 to 61	0.0 204.87	6.357 120.0 0.0015	2E	35.205 0.0 0.0	10.670 35.205 45.875	48.475 -4.621 0.068			Vel = 2.07	
61 to TOER	0.0 204.87	6.357 120.0 0.0015	3E	52.808 0.0 0.0	168.940 52.808 221.748	43.922 0.0 0.331			Vel = 2.07	
TOER to ELL	0.0 204.87	6.357 120.0 0.0		0.0 0.0 0.0	0.420 0.0 0.420	44.253 7.653 0.0			Vel = 2.07	
ELL to TEST	0.0 204.87	6.16 140.0 0.0013	4E 1G 1T	80.336 4.304 43.037	100.000 127.677 227.677	51.906 -2.166 0.298			Vel = 2.21	
	250.00 454.87					50.038			Qa = 250.00 K Factor = 64.30	
41 to 114	-56.05 -56.05	1.682 120.0 -0.0879		0.0 0.0 0.0	9.500 0.0 9.500	32.995 0.0 -0.835			Vel = 8.09	

Final Calculations - Hazen-Williams

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	***** Notes *****
114 to 62	50.97 -5.08	1.682 120.0 -0.0011	0.0 0.0 0.0	5.500 0.0 5.500	32.160 0.0 -0.006		K Factor @ node EQ02 Vel = 0.73
62 to 113	0.0 -5.08	1.682 120.0 -0.0010	0.0 0.0 0.0	8.330 0.0 8.330	32.154 0.0 -0.008		Vel = 0.73
113 to 63	50.96 45.88	1.682 120.0 0.0606	0.0 0.0 0.0	6.750 0.0 6.750	32.146 0.0 0.409		K Factor @ node EQ02 Vel = 6.62
63 to 112	0.0 45.88	1.682 120.0 0.0607	0.0 0.0 0.0	7.000 0.0 7.000	32.555 0.0 0.425		Vel = 6.62
112 to 64	51.61 97.49	1.682 120.0 0.2446	1T 9.9 0.0 0.0	0.850 9.900 10.750	32.980 0.0 2.629		K Factor @ node EQ02 Vel = 14.08
64 to 111	0.0 97.49	4.26 120.0 0.0029	0.0 0.0 0.0	1.750 0.0 1.750	35.609 0.0 0.005		Vel = 2.19
111 to 65	51.33 148.82	4.26 120.0 0.0058	0.0 0.0 0.0	6.250 0.0 6.250	35.614 0.0 0.036		Vel = 3.35
65 to 66	-7.53 141.29	4.26 120.0 0.0052	0.0 0.0 0.0	8.000 0.0 8.000	35.650 0.0 0.042		Vel = 3.18
66 to 67	-6.73 134.56	4.26 120.0 0.0048	0.0 0.0 0.0	8.480 0.0 8.480	35.692 0.0 0.041		Vel = 3.03
67 to 68	-5.94 128.62	4.26 120.0 0.0044	0.0 0.0 0.0	8.000 0.0 8.000	35.733 0.0 0.035		Vel = 2.90
68 to 69	-5.28 123.34	4.26 120.0 0.0041	0.0 0.0 0.0	8.000 0.0 8.000	35.768 0.0 0.033		Vel = 2.78
69 to 70	-4.68 118.66	4.26 120.0 0.0039	0.0 0.0 0.0	9.080 0.0 9.080	35.801 0.0 0.035		Vel = 2.67
70 to 71	-4.09 114.57	4.26 120.0 0.0035	0.0 0.0 0.0	8.000 0.0 8.000	35.836 0.0 0.028		Vel = 2.58
71 to 72	-3.68 110.89	4.26 120.0 0.0034	0.0 0.0 0.0	8.000 0.0 8.000	35.864 0.0 0.027		Vel = 2.50
72 to 73	-3.35 107.54	4.26 120.0 0.0031	0.0 0.0 0.0	8.920 0.0 8.920	35.891 0.0 0.028		Vel = 2.42
73 to 74	-3.11 104.43	4.26 120.0 0.0030	0.0 0.0 0.0	8.000 0.0 8.000	35.919 0.0 0.024		Vel = 2.35

Final Calculations - Hazen-Williams

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
74 to 75	-3.03 101.4	4.26 120.0 0.0029		0.0 0.0 0.0	8.000 0.0 8.000	35.943 0.0 0.023				Vel = 2.28
75 to 76	-3.08 98.32	4.26 120.0 0.0027		0.0 0.0 0.0	9.000 0.0 9.000	35.966 0.0 0.024				Vel = 2.21
76 to 77	-10.83 87.49	4.26 120.0 0.0022		0.0 0.0 0.0	8.000 0.0 8.000	35.990 0.0 0.018				Vel = 1.97
77 to 78	-11.18 76.31	4.26 120.0 0.0016		0.0 0.0 0.0	8.000 0.0 8.000	36.008 0.0 0.013				Vel = 1.72
78 to 79	-11.76 64.55	4.26 120.0 0.0012		0.0 0.0 0.0	9.000 0.0 9.000	36.021 0.0 0.011				Vel = 1.45
79 to 80	-12.64 51.91	4.26 120.0 0.0009		0.0 0.0 0.0	8.000 0.0 8.000	36.032 0.0 0.007				Vel = 1.17
80 to 81	-13.17 38.74	4.26 120.0 0.0005		0.0 0.0 0.0	8.000 0.0 8.000	36.039 0.0 0.004				Vel = 0.87
81 to 82	-12.98 25.76	4.26 120.0 0.0002		0.0 0.0 0.0	8.300 0.0 8.300	36.043 0.0 0.002				Vel = 0.58
82 to 83	-12.89 12.87	4.26 120.0 0.0		0.0 0.0 0.0	8.000 0.0 8.000	36.045 0.0 0.0				Vel = 0.29
83 to 84	0.0 12.87	1.682 120.0 0.0058	2T	19.799 0.0 0.0	30.470 19.799 50.269	36.045 0.0 0.290				Vel = 1.86
84 to 85	0.0 12.87	4.26 120.0 0.0001		0.0 0.0 0.0	8.000 0.0 8.000	36.335 0.0 0.001				Vel = 0.29
85 to 86	12.89 25.76	4.26 120.0 0.0002		0.0 0.0 0.0	8.290 0.0 8.290	36.336 0.0 0.002				Vel = 0.58
86 to 87	12.98 38.74	4.26 120.0 0.0005		0.0 0.0 0.0	8.000 0.0 8.000	36.338 0.0 0.004				Vel = 0.87
87 to 59	13.17 51.91	4.26 120.0 0.0007		0.0 0.0 0.0	2.980 0.0 2.980	36.342 0.0 0.002				Vel = 1.17
	0.0 51.91					36.344				K Factor = 8.61
44 to 88	-7.54 -7.54	1.682 120.0 -0.0021	1T	9.9 0.0 0.0	7.190 9.900 17.090	35.821 0.0 -0.036				Vel = 1.09
88 to 89	0.0 -7.54	1.682 120.0 -0.0022		0.0 0.0 0.0	15.000 0.0 15.000	35.785 0.0 -0.033				Vel = 1.09

Final Calculations - Hazen-Williams

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv.	Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
89 to 90	0.0 -7.54	1.682 120.0 -0.0021		0.0 0.0 0.0	15.000 0.0 15.000	35.752 0.0 -0.032				
								Vel =	1.09	
90 to 91	0.0 -7.54	1.682 120.0 -0.0021		0.0 0.0 0.0	15.000 0.0 15.000	35.720 0.0 -0.032				
								Vel =	1.09	
91 to 65	0.0 -7.54	1.682 120.0 -0.0021	1T	9.9 0.0 0.0	7.850 9.900 17.750	35.688 0.0 -0.038				
								Vel =	1.09	
	0.0 -7.54					35.650		K Factor =	-1.26	
45 to 92	-6.73	1.682 120.0 -0.0018	1T	9.9 0.0 0.0	7.190 9.900 17.090	35.831 0.0 -0.030				
								Vel =	0.97	
92 to 93	0.0 -6.73	1.682 120.0 -0.0017		0.0 0.0 0.0	15.000 0.0 15.000	35.801 0.0 -0.026				
								Vel =	0.97	
93 to 94	0.0 -6.73	1.682 120.0 -0.0017		0.0 0.0 0.0	15.000 0.0 15.000	35.775 0.0 -0.026				
								Vel =	0.97	
94 to 95	0.0 -6.73	1.682 120.0 -0.0017		0.0 0.0 0.0	15.000 0.0 15.000	35.749 0.0 -0.026				
								Vel =	0.97	
95 to 66	0.0 -6.73	1.682 120.0 -0.0017	1T	9.9 0.0 0.0	7.850 9.900 17.750	35.723 0.0 -0.031				
								Vel =	0.97	
	0.0 -6.73					35.692		K Factor =	-1.13	
46 to 96	-5.94	1.682 120.0 -0.0013	1T	9.9 0.0 0.0	7.190 9.900 17.090	35.843 0.0 -0.023				
								Vel =	0.86	
96 to 97	0.0 -5.94	1.682 120.0 -0.0014		0.0 0.0 0.0	15.000 0.0 15.000	35.820 0.0 -0.021				
								Vel =	0.86	
97 to 98	0.0 -5.94	1.682 120.0 -0.0014		0.0 0.0 0.0	15.000 0.0 15.000	35.799 0.0 -0.021				
								Vel =	0.86	
98 to 99	0.0 -5.94	1.682 120.0 -0.0014		0.0 0.0 0.0	15.000 0.0 15.000	35.778 0.0 -0.021				
								Vel =	0.86	
99 to 67	0.0 -5.94	1.682 120.0 -0.0014	1T	9.9 0.0 0.0	7.850 9.900 17.750	35.757 0.0 -0.024				
								Vel =	0.86	
	0.0 -5.94					35.733		K Factor =	-0.99	
47 to 68	-5.27	1.682 120.0 -0.0011	2T	19.799 0.0 0.0	60.040 19.799 79.839	35.857 0.0 -0.089				
								Vel =	0.76	

Final Calculations - Hazen-Williams

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
	0.0 -5.27				35.768			K Factor = -0.88	
69 to 48	4.68 4.68	1.682 120.0 0.0009	2T 0.0 0.0	19.799 0.0 0.0	60.040 19.799 79.839	35.801 0.0 0.071		Vel = 0.68	
	0.0 4.68				35.872			K Factor = 0.78	
70 to 100	4.10 4.1	1.682 120.0 0.0007	1T 0.0 0.0	9.9 0.0 0.0	7.850 9.900 17.750	35.836 0.0 0.012		Vel = 0.59	
100 to 49	0.0 4.1	1.682 120.0 0.0007	1T 0.0 0.0	9.9 0.0 0.0	52.190 9.900 62.090	35.848 0.0 0.043		Vel = 0.59	
	0.0 4.10				35.891			K Factor = 0.68	
71 to 101	3.67 3.67	1.682 120.0 0.0006	1T 0.0 0.0	9.9 0.0 0.0	7.850 9.900 17.750	35.864 0.0 0.010		Vel = 0.53	
101 to 50	0.0 3.67	1.682 120.0 0.0006	1T 0.0 0.0	9.9 0.0 0.0	52.190 9.900 62.090	35.874 0.0 0.035		Vel = 0.53	
	0.0 3.67				35.909			K Factor = 0.61	
72 to 102	3.35 3.35	1.682 120.0 0.0005	1T 0.0 0.0	9.9 0.0 0.0	7.850 9.900 17.750	35.891 0.0 0.009		Vel = 0.48	
102 to 51	0.0 3.35	1.682 120.0 0.0005	1T 0.0 0.0	9.9 0.0 0.0	52.190 9.900 62.090	35.900 0.0 0.029		Vel = 0.48	
	0.0 3.35				35.929			K Factor = 0.56	
73 to 103	3.12 3.12	1.682 120.0 0.0005	1T 0.0 0.0	9.9 0.0 0.0	7.850 9.900 17.750	35.919 0.0 0.008		Vel = 0.45	
103 to 52	0.0 3.12	1.682 120.0 0.0004	1T 0.0 0.0	9.9 0.0 0.0	52.190 9.900 62.090	35.927 0.0 0.026		Vel = 0.45	
	0.0 3.12				35.953			K Factor = 0.52	
74 to 104	3.03 3.03	1.682 120.0 0.0004	1T 0.0 0.0	9.9 0.0 0.0	7.850 9.900 17.750	35.943 0.0 0.007		Vel = 0.44	
104 to 53	0.0 3.03	1.682 120.0 0.0004	1T 0.0 0.0	9.9 0.0 0.0	52.190 9.900 62.090	35.950 0.0 0.025		Vel = 0.44	
	0.0 3.03				35.975			K Factor = 0.51	
75 to 105	3.08 3.08	1.682 120.0 0.0004	1T 0.0 0.0	9.9 0.0 0.0	7.850 9.900 17.750	35.966 0.0 0.007		Vel = 0.44	

Final Calculations - Hazen-Williams

Premier Fire Systems, Inc.
Trader Joes

Page 14
Date 02-07-2019

Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
105 to 54	0.0 3.08	1.682 120.0 0.0004	1T	9.9 0.0 0.0	52.190 9.900 62.090	35.973 0.0 0.026		Vel = 0.44	
	0.0 3.08					35.999		K Factor = 0.51	
76 to 55	10.83 10.83	1.682 120.0 0.0042	2T	19.799 0.0 0.0	30.470 19.799 50.269	35.990 0.0 0.212		Vel = 1.56	
	0.0 10.83					36.202		K Factor = 1.80	
77 to 56	11.18 11.18	1.682 120.0 0.0044	2T	19.799 0.0 0.0	30.470 19.799 50.269	36.008 0.0 0.223		Vel = 1.61	
	0.0 11.18					36.231		K Factor = 1.86	
78 to 57	11.76 11.76	1.682 120.0 0.0049	2T	19.799 0.0 0.0	30.470 19.799 50.269	36.021 0.0 0.246		Vel = 1.70	
	0.0 11.76					36.267		K Factor = 1.95	
79 to 58	12.65 12.65	1.682 120.0 0.0056	2T	19.799 0.0 0.0	30.470 19.799 50.269	36.032 0.0 0.282		Vel = 1.83	
	0.0 12.65					36.314		K Factor = 2.10	
80 to 87	13.16 13.16	1.682 120.0 0.0060	2T	19.799 0.0 0.0	30.470 19.799 50.269	36.039 0.0 0.303		Vel = 1.90	
	0.0 13.16					36.342		K Factor = 2.18	
81 to 86	12.98 12.98	1.682 120.0 0.0059	2T	19.799 0.0 0.0	30.470 19.799 50.269	36.043 0.0 0.295		Vel = 1.87	
	0.0 12.98					36.338		K Factor = 2.15	
82 to 85	12.89 12.89	1.682 120.0 0.0058	2T	19.799 0.0 0.0	30.470 19.799 50.269	36.045 0.0 0.291		Vel = 1.86	
	0.0 12.89					36.336		K Factor = 2.14	
110 to 111	51.33 51.33	1.682 120.0 0.0747	1T	9.9 0.0 0.0	12.700 9.900 22.600	33.926 0.0 1.688		K Factor @ node EQ03 Vel = 7.41	
	0.0 51.33					35.614		K Factor = 8.60	



THE INCH® **QUICK RESPONSE** **AUTOMATIC SPRINKLER** **GL5606** **ONE INCH ADJUSTABLE** **FLAT PLATE CONCEALED PENDENT**

DESCRIPTION AND OPERATION

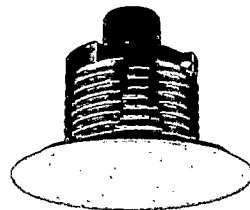
The Globe Quick Response GL5606 Adjustable Concealed Pendent Sprinkler has a low profile, aesthetically pleasing design. It provides sprinkler operations approximately six times faster than ordinary sprinklers and can be installed wherever standard concealed spray sprinklers are specified when allowed by the applicable standards. This sprinkler offers the additional feature of greatly increased safety to life and should be used advisedly and under the direction of approving authorities having jurisdiction. The sprinkler is available with a nominal 1" of adjustment and a low profile cover plate assembly. All that is seen at the ceiling is a 3 5/16" diameter ceiling plate or an optional 2 3/4" diameter ceiling plate color finished to match the specifier's exact requirements. The Series GL-QR Concealed Sprinkler may be virtually invisible as it does not interrupt the "smooth flow" of the ceiling. Globe's GL5606 Concealed Sprinkler utilizes a 3mm frangible glass ampule which is located above the ceiling and concealed from view by the ceiling plate.

The provided protective cap needs to be removed in order to install the sprinkler with the proper wrench. The protective cap must be replaced on the sprinkler until the time the cover plate is to be installed. The "push on - screw off" designed cover plate is easily installed and with a nominal 1" of adjustment makes it easier to get a proper fit at the ceiling.

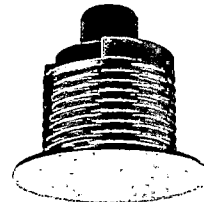
Operation of the sprinkler occurs when heat build up causes the solder holding the cover plate to the support shell to melt allowing the cover plate to fall clear. Continued heat build up causes the 3mm glass bulb to burst allowing the deflector to drop down and distribute water in an approved pattern to extinguish or control the fire.

TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Ratings -
 - 135°F (57°C) Sprinkler, 135°F (57°C) Cover Plate
 - 155°F (68°C) Sprinkler, 135°F (57°C) Cover Plate
 - 155°F (68°C) Sprinkler, 155°F (68°C) Cover Plate
 - 175°F (79°C) Sprinkler, 155°F (68°C) Cover Plate
 - 200°F (93°C) Sprinkler, 155°F (68°C) Cover Plate
- Water Working Pressure Rating - 175 psi (12 Bars)
- Factory tested hydrostatically to 500 psi (34 Bars)
- Maximum low temperature glass bulb rating is -67°F (-55°C)
- Frame - bronze • Deflector - brass • Screw - brass
- Lodgement Wire - stainless steel • Bulb seat - copper
- Spring - nickel alloy • Seal - teflon • Drop Pin - stainless steel
- Bulb - glass with alcohol based solution, 3mm size
- Cover Plate - brass • Upper Escutcheon Assembly - steel



3 5/16" diameter plate



**2 3/4" diameter plate
 SERIES GL-QR/INCH
 WHITE FLAT PLATE
 CONCEALED PENDENT**

NOTE: Globe's wrench P/N 332765 must be used to install this sprinkler.

•SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOR CODING

CLASSIFICATION	AVAILABLE SPRINKLER TEMPERATURES	BULB COLOR	N.F.P.A. MAXIMUM CEILING TEMPERATURE
ORDINARY INTERMEDIATE		ORANGE/RED YELLOW/GREEN	

THE INCH® QUICK RESPONSE AUTOMATIC SPRINKLER ONE INCH ADJUSTABLE FLAT PLATE CONCEALED PENDENT GL5606

SPECIFICATIONS

NOMINAL "K" FACTOR	THREAD SIZE	LENGTH	FLAT COVER PLATE FINISHES***
5.6 (80 metric)	1/2"NPT (15mm)	2 1/2" (6.4cm)	Chrome White Painted Other Finishes ^{1,2}

NOTE: METRIC CONVERSIONS ARE APPROXIMATE.

¹FINISHES AVAILABLE ON SPECIAL ORDER.

²FOR PLATES OTHER THAN WHITE, CONTACT GLOBE FOR ORDERING SPECIFICATIONS.

***FACTORY PAINTED COVER PLATES MUST NOT BE REPAINTED. NON-FACTORY APPLIED PAINT MAY ADVERSELY DELAY OR PREVENT SPRINKLER OPERATION IN THE EVENT OF A FIRE.

APPROVALS

STYLE	SIN	HAZARD ¹	135°F (57°C) Flat Cover Plate		155°F (68°C) Flat Cover Plate			cULus	*FM	NYC-DOB MEA 101-92-E
			**135°F (57°C) Sprinkler	155°F (68°C) Sprinkler	**155°F (68°C) Sprinkler	175°F (79°C) Sprinkler	200°F (93°C) Sprinkler			
Adjustable Concealed Pendent	GL5606	LH/OH	X	X	X	X	X	X	X	X

¹SPRINKLERS SHALL BE LIMITED AS PER THE REQUIREMENTS OF NFPA13 AND ANY OTHER RELATED DOCUMENTS.

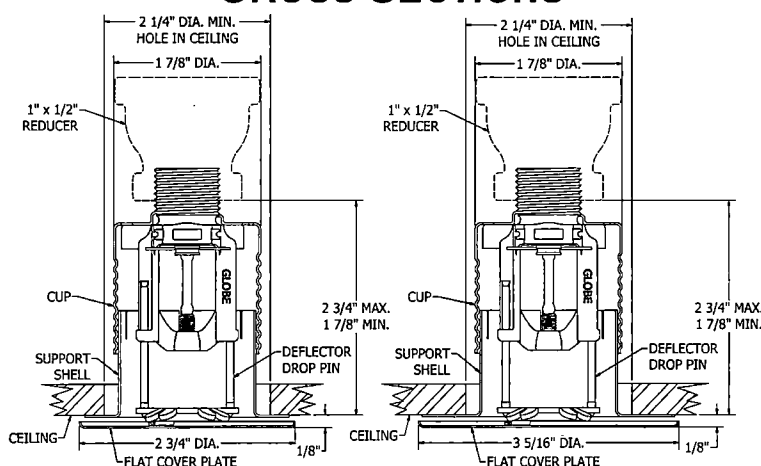
*FM APPROVED AS STANDARD RESPONSE

**NO FM APPROVALS

OH: ORDINARY HAZARD

LH: LIGHT HAZARD

CROSS SECTIONS



1\"/>

FLAT COVER PLATE SIZES	WHITE 135°F (57°C) PART #	WHITE 155°F (68°C) PART #	CHROME 135°F (57°C) PART #	CHROME 155°F (68°C) PART #
2 3/4" DIA.	332726	332731	332724	332729
3 5/16" DIA.	332706	332711	332704	332709

ORDERING INFORMATION SPECIFY

- Quantity • SIN • Style • Orifice
- Thread Size • Temperature • Finishes desired
- Quantity - Wrenches - P/N 332765
- Quantity - Protective Caps - P/N 332695

GLOBE® PRODUCT WARRANTY

Globe agrees to repair or replace any of its own manufactured products found to be defective in material or workmanship for a period of one year from date of shipment.

For specific details of our warranty please refer to Price List Terms and Conditions of Sale (Our Price List).



QUICK RESPONSE AUTOMATIC SPRINKLERS GL SERIES DRY TYPE PENDENT

DESCRIPTION AND OPERATION

The Globe Quick Response Series GL-QR/DRY Pendent Sprinkler is designed for use in special applications such as freezing environments and conditions where sediment or foreign materials might accumulate in ordinary drop nipples.

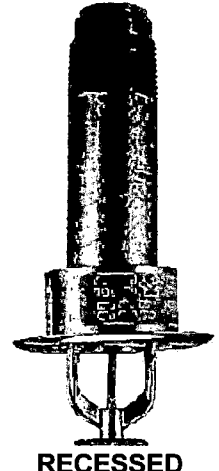
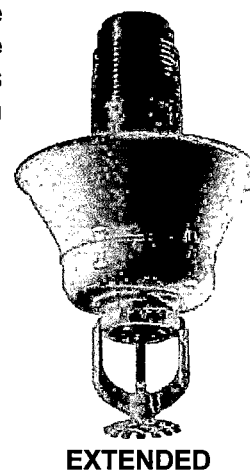
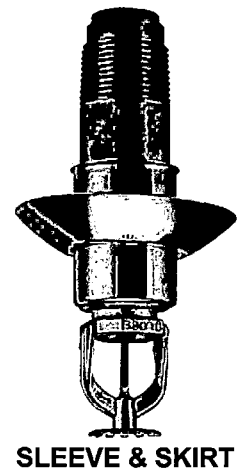
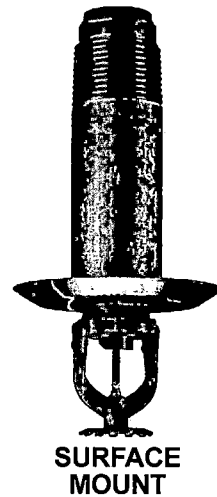
The Globe Quick Response Series GL-QR/DRY Pendent Sprinkler utilizes a 3mm frangible glass ampule as the thermosensitive element. This provides sprinkler operation approximately six times faster than ordinary sprinklers. At the ampule's rated temperature, the sprinkler opens releasing the bulb seat, causing the inner tube assembly to move, allowing the spring assembly to pivot alongside the inner tube. At this time, water flows through the sprinkler and is distributed by the deflector in an approved discharge pattern. It can be installed wherever standard spray sprinklers are specified but offers the additional feature of greatly increased safety to life. Quick Response Sprinklers should be used advisedly and under the direction of approving authorities having jurisdiction.

The heart of Globe's Series GL-QR/DRY sprinkler proven actuating assembly is a hermetically sealed frangible glass ampule that contains a precisely measured amount of fluid. When heat is absorbed, the liquid within the bulb expands increasing the internal pressure. At the prescribed temperature the internal pressure within the ampule exceeds the strength of the glass causing the glass to shatter. This results in water discharge which is distributed in an approved pattern.

TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Ratings -
135°F (57°C), 155°F (68°C), 175°F (79°C)
200°F (93°C), 286°F (141°C)
- Water Working Pressure Rating - 175 psi (12 Bars)
- Factory tested hydrostatically to 500 psi (34 Bars)
- Maximum low temperature glass bulb rating is -67°F (-55°C)
- Frame - bronze • Deflector - brass • Screw - brass
- Bulb Seat - brass • Spring - nickel alloy • Seal - teflon
- Retainer - brass • Pin - stainless steel
- Torsion Spring - stainless steel • Orifice Insert - brass
- Bulb - glass with alcohol based solution, 3mm size
- 3/4"NPT or 1"NPT • Outer Tube - galvanized steel pipe • Inner Tube - stainless steel

SERIES GL-QR/DRY



•SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOR CODING

CLASSIFICATION	AVAILABLE SPRINKLER TEMPERATURES		BULB COLOR	N.F.P.A. MAXIMUM CEILING TEMPERATURE	
ORDINARY	135°F/155°F	57°C/63°C	ORANGE/RED	100°F	33°C
INTERMEDIATE	175°F/200°F	79°C/93°C	YELLOW/GREEN	150°F	66°C
HIGH	286°F	141°C	BLUE	225°F	107°C

QUICK RESPONSE AUTOMATIC SPRINKLERS GL SERIES DRY TYPE PENDENT

SPECIFICATIONS

NOMINAL "K" FACTOR	THREAD SIZE	LENGTH	FINISHES
5.6 (80 metric)	3/4" or 1"NPT	cULus Variable to 48" FM Variable to 36"	Factory Bronze Chrome White Polyester ² Black Polyester ^{1,2}
8.0 (115 metric)	1"NPT		

NOTE: METRIC CONVERSIONS ARE APPROXIMATE.

¹FINISHES AVAILABLE ON SPECIAL ORDER.

²cULus LISTED CORROSION RESISTANT WHEN SPECIFIED ON ORDER.

APPROVALS

STYLE	SIN	K FACTOR	THREAD SIZE	HAZARD ¹	135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)	*FM	cULus	NYC-DOB MEA 101-92-E
PENDENT	GL5635	5.6	1"NPT	LH/OH	X	X	X	X	X	X	X	X
RECESSED	GL5636	5.6	3/4"NPT	LH/OH	X	X	X	X	X	---	X	X
PENDENT	GL8135	8.0	1"NPT	LH/OH	X	X	X	X	X	---	X	X

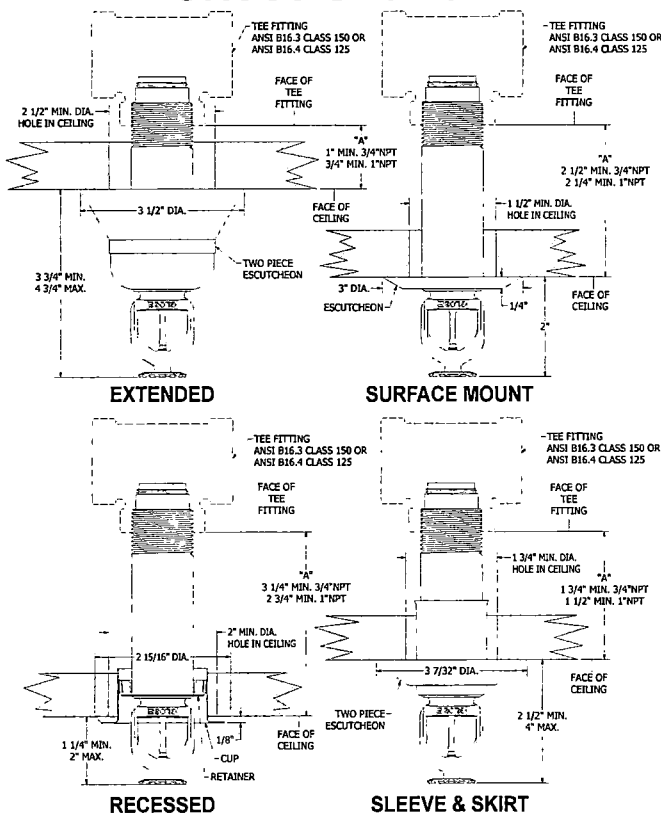
¹SPRINKLERS SHALL BE LIMITED AS PER THE REQUIREMENTS OF NFPA13 AND ANY OTHER RELATED DOCUMENTS.

*PENDENT STYLE - FM APPROVED 155°F (68°C), 200°F (93°C), AND 286°F (141°C)

*RECESSED PENDENT STYLE - FM APPROVED 155°F (68°C) AND 200°F (93°C)

LH: LIGHT HAZARD; OH: ORDINARY HAZARD

CROSS SECTIONS



IMPORTANT INSTALLATION DATA

Globe GL Series Dry Pendant Sprinklers should be installed in accordance with the requirements set forth in NFPA 13. These sprinklers are to be installed using a pipe wrench applied to the outer tube. When this is not possible, the proper sprinkler head wrench may be used with extreme care for lengths up to approximately 18". Excessive force may distort the frame thus destroying the unit.

When installed in a wet system extending into a freezing area see chart on Dry Caution Sheet for minimum exposed barrel length to prevent ice plugs. Please refer to our Dry Caution Sheet for further important installation data.

ORDERING INFORMATION

SPECIFY

- Quantity • SIN • Style • Orifice • Temperature • Finishes
 - Quantity - Wrenches - P/N 333010
 - Quantity Recessed Wrenches - P/N 337014
 - Escutcheons Desired
 - Quantity - Protective Caps - P/N 327109-cap (Friction Fit Recessed)
- "A" Dimension - Distance from face of fitting to the finished ceiling line regardless of escutcheon used.

GLOBE® PRODUCT WARRANTY

Globe agrees to repair or replace any of its own manufactured products found to be defective in material or workmanship for a period of one year from date of shipment.

For specific details of our warranty please refer to Price List Terms and Conditions of Sale (Our Price List).

Series DS-3 Dry-Type Sprinklers 11.2K Horizontal Sidewall Standard Response, Extended Coverage

General Description

TYCO Series DS-3 Dry-Type Sprinklers, 11.2K Horizontal Sidewall, Standard Response, Extended Coverage, Ordinary Hazard (ECOH) are decorative glass bulb automatic sprinklers. They are intended for use in applications where the sprinklers and/or a portion of the connecting piping may be exposed to freezing temperatures; for example, horizontal piping extensions through a wall to protect an unheated area of a building.

Series DS-3 Extended Coverage Ordinary Hazard Horizontal Sidewall, Dry-Type Sprinklers are designed for extended coverage use in ordinary hazard occupancies (ECOH) per NFPA 13.

Series DS-3 Dry-Type Sprinklers provide protection of coverage areas up to 16 ft x 20 ft (320 ft²) as compared to standard coverage horizontal sidewall sprinklers having a maximum coverage area of 10 ft x 10 ft (100 ft²) for ordinary hazard occupancies.

NOTICE

Series DS-3 Dry-Type Sprinklers described herein must be installed and maintained in compliance with this document, as well as with the applicable standards of the NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), in addition to the standards of any other authorities having jurisdiction. Failure

IMPORTANT

Refer to Technical Data Sheet TFP2300 for warnings pertaining to regulatory and health information.

Always refer to Technical Data Sheet TFP700 for the "INSTALLER WARNING" that provides cautions with respect to handling and installation of sprinkler systems and components. Improper handling and installation can permanently damage a sprinkler system or its components and cause the sprinkler to fail to operate in a fire situation or cause it to operate prematurely.

to do so may impair the performance of these devices.

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Contact the installing contractor or product manufacturer with any questions.

Series DS-3 Dry-Type Sprinklers must only be installed in fittings that meet the requirements of the Design Criteria section. Installation of Series DS-3 Dry-Type Sprinklers in a recessed installation will void all sprinkler warranties, as well as void the sprinkler's laboratory Approvals.

Sprinkler Identification Number (SIN)

TY5339

Technical Data

Approvals

UL and C-UL Listed

Refer to Table A and the Design Criteria section

Maximum Working Pressure

175 psi (12,1 bar)

Inlet Thread Connections

1 Inch NPT

ISO 7-R 1

Discharge Coefficient

Refer to Table B

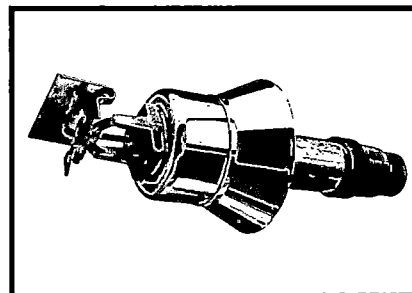
Temperature Ratings

155°F (68°C) and 200°F (93°C)

Finishes

Sprinkler: Refer to Table E

Escutcheon: Refer to Table E



Physical Characteristics

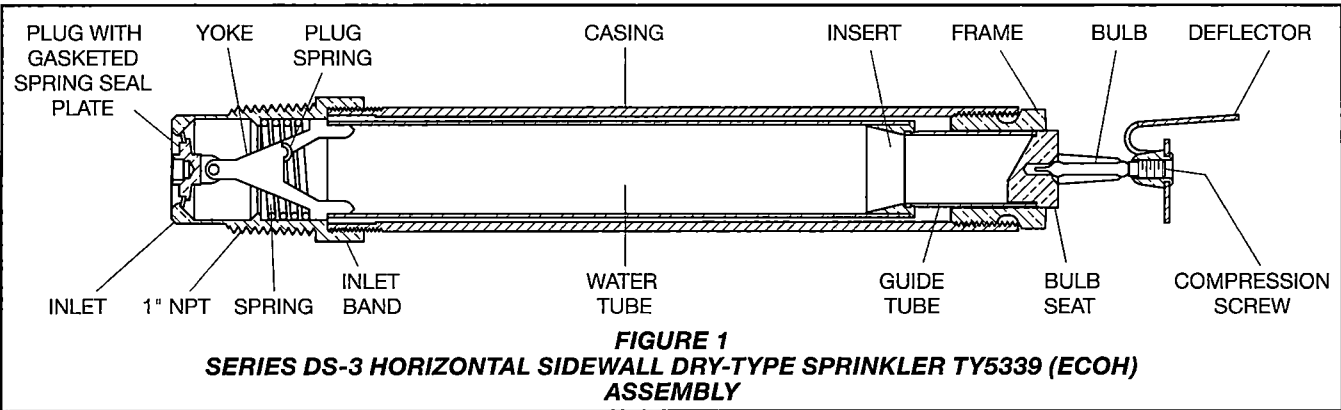
Inlet	Copper
Plug	Copper
Yoke	Stainless Steel
Casing	Galvanized Carbon Steel
Insert	Bronze
Bulb Seat	Bronze
Bulb	Glass (3 mm)
Compression Screw	Bronze
Deflector	Bronze
Frame	Bronze
Guide Tube	Stainless Steel
Water Tube	Stainless Steel
Spring	Stainless Steel
Sealing Assembly ..	Beryllium Nickel w/TEFLON
Pin	Stainless Steel
Button Spring	Stainless Steel
Helper Spring	Stainless Steel
Escutcheon	Carbon Steel

Operation

When TYCO Series DS-3 Dry-Type Sprinklers, 11.2K Horizontal Sidewall, Standard Response, Extended Coverage, Ordinary Hazard (ECOH) are in service, water is prevented from entering the assembly by the Plug with Sealing Assembly (Ref. Figure 1) in the Inlet of the sprinkler.

The glass bulb contains a fluid that expands when exposed to heat. When the rated temperature is reached, the fluid expands sufficiently to shatter the glass bulb, and the Bulb Seat is released.

The compressed Spring is then able to expand and push the Water Tube as well as the Guide Tube outward. This action simultaneously pulls inward on the Yoke, withdrawing the Plug with Sealing Assembly from the Inlet allowing the sprinkler to activate and flow water.



Temperature Rating	Bulb Color Code	SPRINKLER FINISH		
		Natural Brass	Chrome Plated	White Polyester
155°F (68°C)	Red	1, 2		
200°F (93°C)	Green			

Notes:

1. Listed by Underwriters Laboratories, Inc. (maximum order length of 48 inches)

2. Listed by Underwriters Laboratories for use in Canada (maximum order length of 48 inches).

TABLE A

SERIES DS-3 HORIZONTAL SIDEWALL DRY-TYPE SPRINKLERS

EXTENDED COVERAGE, ORDINARY HAZARD (TY5339)

LABORATORY LISTINGS AND APPROVALS

Design Criteria

The TYCO Series DS-3 Dry-Type Sprinklers, 11.2K Horizontal Sidewall, Standard Response, Extended Coverage, Ordinary Hazard (ECOH) are for use in ordinary hazard occupancies with non-combustible unobstructed construction and with a ceiling slope not exceeding 2 inches per foot (9.2°), using the design criteria provided in Table C, as well as any additional requirements specified in NFPA 13 for Extended Coverage Sidewall Spray Sprinklers.

A 36 in. (914 mm) clearance must be maintained between the top of the sprinkler deflector and any miscellaneous storage.

Series DS-3 Dry-Type Sprinklers may be installed on sloped ceilings in loading docks with a maximum roof slope of 4 inches per foot (18.4°) as shown in Figure 8 and using the design criteria provided in Table C.

Sprinkler Fittings

Install 1 inch NPT Series DS-3 Dry-Type Sprinklers in the 1 inch NPT outlet or run of the following fittings:

- malleable or ductile iron threaded tee fittings that meet the dimensional requirements of ANSI B16.3 (Class 150)
- cast iron threaded tee fittings that meet the dimensional requirements of ANSI B16.4 (Class 125)

Do not install Series DS-3 Dry-Type Sprinklers into elbow fittings. The Inlet of the sprinkler can contact the interior of the elbow.

The unused outlet of the threaded tee is plugged as shown in Figure 6.

Series DS-3 Dry-Type Sprinklers can also be installed in the 1 inch NPT outlet of a GRINNELL Figure 730 Mechanical Tee. However, the use of the Figure 730 Tee for this arrangement is limited to wet pipe systems.

Length, Inches (mm)	K-factor, gpm/psi ^{1/2} (lpm/bar ^{1/2})
2-1/2 to 14-3/4 (63 mm to 375 mm)	11.2 (161,3)
15 to 18-3/4 (381 mm to 476 mm)	10.9 (157,0)
19 to 23 (483 mm to 584 mm)	10.8 (155,5)
23-1/4 to 26-3/4 (591 mm to 679 mm)	10.7 (154,1)
27-1/4 to 31-1/4 (692 mm to 794 mm)	10.6 (152,6)
31-1/2 to 35-1/4 (800 mm to 895 mm)	10.5 (151,2)
35-1/2 to 39-1/2 (902 mm to 1003 mm)	10.4 (149,8)
39-3/4 to 43-1/2 (1010 mm to 1105 mm)	10.3 (148,3)
43-3/4 to 48 (111 mm to 1219 mm)	10.2 (146,9)
Notes: • K-factor Length is determined as follows: • Flush: Order Length from Figure 2 plus 1/2 in. (12,7 mm) • Deep: Order Length from Figure 4 plus 3-1/4 in. (82,6 mm) • Without Escutcheon: Order Length from Figure 5 minus 2-1/4 in. (57,2 mm)	
TABLE B DISCHARGE COEFFICIENTS	

Application	Coverage Area ¹ W x L, ft x ft (m x m)	Minimum Flow ² , gpm (lpm)	Minimum Pressure ² , psi (bar)	Top of Deflector-to-Ceiling Distance ³ , Inches (mm)	Temperature Rating	Minimum Spacing ⁴ , ft (m)
Series DS-3 (TY5339) Horizontal Sidewall Dry-Type Sprinkler (ECOH) OH Group 1 (0.15 gpm/sq.ft) Standard Response	16 x 16 (4,9 x 4,4)	38 (144)	11.5 (0,79)	6 to 12 (150 to 300)	155°F, 200°F (68°C, 93°C)	8 (2,4)
	16 x 18 (4,9 x 5,5)	43 (163)	14.7 (1,01)			
	16 x 20 (4,9 x 6,1)	48 (182)	18.4 (1,27)			
Series DS-3 (TY5339) Horizontal Sidewall Dry-Type Sprinkler (ECOH) OH Group 2 (0.20 gpm/sq.ft) Standard Response	16 x 16 (4,9 x 4,4)	51 (193)	20.7 (1,43)			
	16 x 18 (4,9 x 5,5)	58 (220)	26.8 (1,85)			
	16 x 20 (4,9 x 6,1)	64 (242)	32.7 (2,25)			

Notes:

1. Backwall (where sprinkler is located) by sidewall (length of throw).
2. Requirement is based on minimum flow in GPM from each sprinkler. The indicated residual pressures are based on the nominal K-factor of 11.2.
3. The centerline of the sprinkler waterway is located below the deflector as shown in Figures 2, 3, and 4.
4. Minimum spacing is for lateral distance between sprinklers located along a single wall. Otherwise adjacent sprinklers (that is, sidewall sprinklers on an adjacent wall, on an opposite wall, or pendent sprinklers) must be located outside of the maximum listed protection area of the extended coverage sidewall sprinkler being utilized.

TABLE C
SERIES DS-3 EXTENDED COVERAGE HORIZONTAL SIDEWALL DRY-TYPE SPRINKLERS
UL AND C-UL LISTING COVERAGE AND FLOW RATE CRITERIA

Ambient Temperature Exposed to Discharge End of Sprinkler	Temperatures for Heated Area ¹		
	40°F (4°C)	50°F (10°C)	60°F (16°C)
	Minimum Exposed Barrel Length ² , Inches (mm)		
40°F (4°C)	0	0	0
30°F (-1°C)	0	0	0
20°F (-7°C)	4 (100)	0	0
10°F (-12°C)	8 (200)	1 (25)	0
0°F (-18°C)	12 (305)	3 (75)	0
-10°F (-23°C)	14 (355)	4 (100)	1 (25)
-20°F (-29°C)	14 (355)	6 (150)	3 (75)
-30°F (-34°C)	16 (405)	8 (200)	4 (100)
-40°F (-40°C)	18 (455)	8 (200)	4 (100)
-50°F (-46°C)	20 (510)	10 (255)	6 (150)
-60°F (-51°C)	20 (510)	10 (255)	6 (150)

Notes:

1. For protected area temperatures that occur between values listed above, use the next cooler temperature.
2. These lengths are inclusive of wind velocities up to 30 mph (18,6 kph).

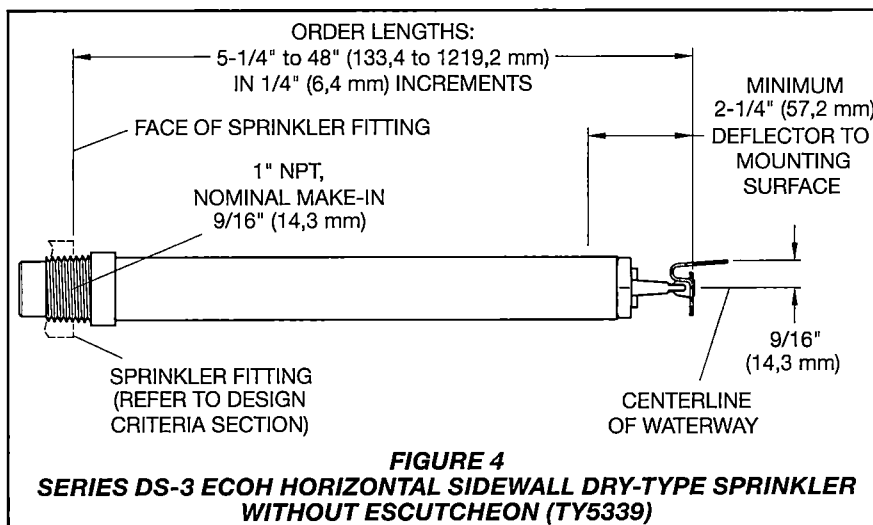
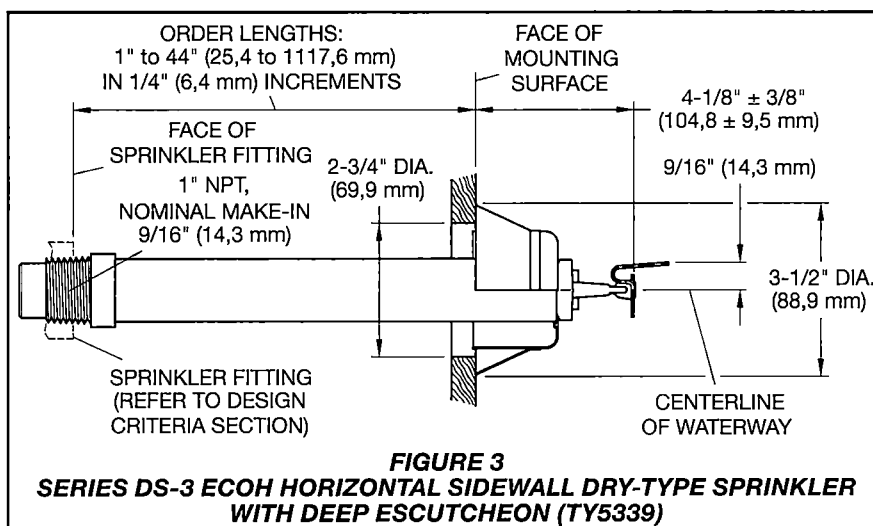
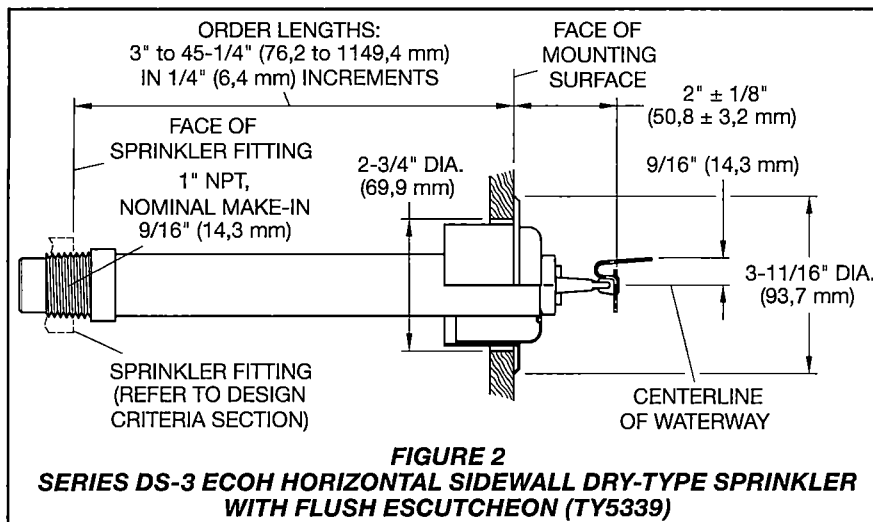
TABLE D
EXPOSED SPRINKLER BARRELS IN WET PIPE SYSTEMS
MINIMUM RECOMMENDED LENGTHS

The configuration shown in Figure 7 is only applicable for wet pipe systems where the sprinkler fitting and water-filled pipe above the sprinkler fitting are not subject to freezing and where the length of the Dry-Type Sprinkler has the minimum exposure length depicted in Figure 10. Refer to the Exposure Length section.

For wet pipe system installations of 1 inch NPT Series DS-3 Dry-Type Sprinklers connected to CPVC piping, use only the following TYCO CPVC fittings:

- 1 in. x 1 in. NPT Female Adapter (P/N 80145)
- 1 in. x 1 in. x 1 in. NPT Sprinkler Head Adapter Tee (P/N 80249)

For dry pipe system installations, use only the side outlet of maximum 2-1/2 inch reducing tee when locating Series DS-3 Dry-Type Sprinklers directly below the branch line. Otherwise, use the configuration shown in Figure 6 to assure complete water drainage from above Series DS-3 Dry-Type Sprinklers and the branch line. Failure to do so may result in pipe freezing and water damage.



NOTICE

Do not install Series DS-3 Dry-Type Sprinklers into any other type fitting without first consulting the Technical Services Department. Failure to use the appropriate fitting may result in one of the following:

- failure of the sprinkler to operate properly due to formation of ice over the Inlet Plug or binding of the Inlet Plug
- insufficient engagement of the Inlet pipe-threads with consequent leakage

Drainage

In accordance with the minimum requirements of the NATIONAL FIRE PROTECTION ASSOCIATION for dry pipe sprinkler systems, branch, cross, and feed-main piping connected to Dry Sprinklers and subject to freezing temperatures must be pitched for proper drainage.

Exposure Length

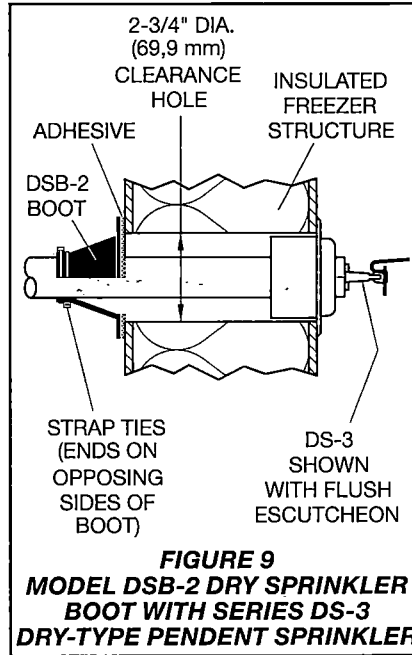
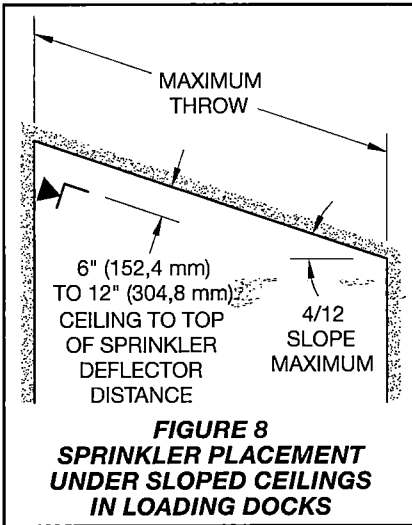
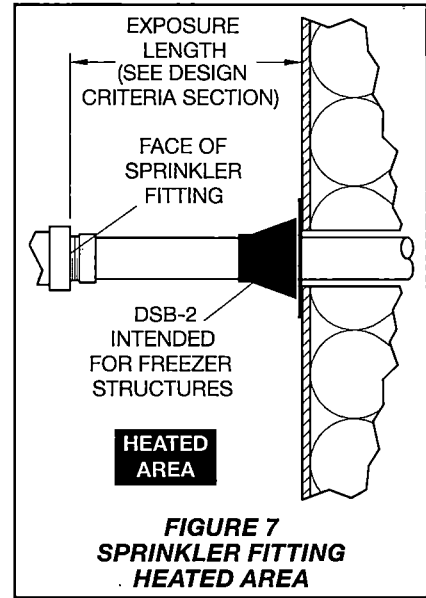
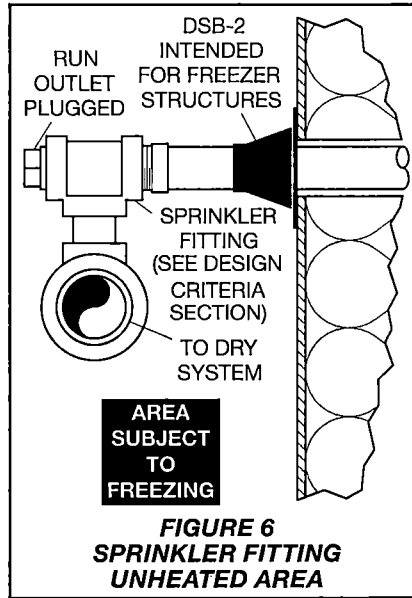
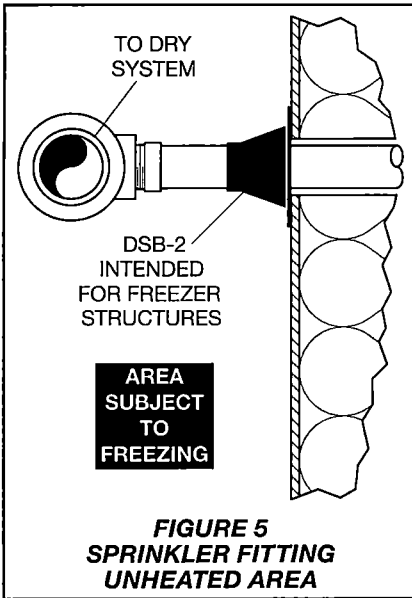
When using Dry Sprinklers in wet pipe sprinkler systems to protect areas subject to freezing temperatures, use Table D to determine a sprinkler's appropriate exposed barrel length to prevent water from freezing in the connecting pipes due to conduction. The exposed barrel length measurement must be taken from the face of the sprinkler fitting to the surface of the structure or insulation that is exposed to the heated area. Refer to Figure 7 for an example.

For protected area temperatures between those given above, the minimum recommended length from the face of the fitting to the outside of the protected area may be determined by interpolating between the indicated values.

Clearance Space

In accordance with NFPA 13, when connecting an area subject to freezing and an area containing a wet pipe sprinkler system, the clearance space around the sprinkler barrel of Dry-Type Sprinklers must be sealed. Due to temperature differences between two areas, the potential for the formation of condensation in the sprinkler and subsequent ice build-up is increased. If this condensation is not controlled, ice build-up can occur that might damage the Dry-Type Sprinkler and/or prevent proper operation in a fire situation.

Use of the Model DSB-2 Dry Sprinkler Boot, described in Technical Data Sheet TFP591 and shown in Figure 9, can provide the recommended seal.



Installation

TYCO Series DS-3 Dry-Type Sprinklers, 11.2K Horizontal Sidewall, Standard Response, Extended Coverage, Ordinary Hazard (ECOH) must be installed in accordance with this section.

General Instructions

Series DS-3 Dry-Type Sprinklers must only be installed in fittings that meet the requirements of the Design Criteria section. Refer to the Design Criteria section for other important requirements regarding piping design and sealing of the clearance space around the Sprinkler Casing. With reference to Figure 10, do not grasp the sprinkler by the deflector. Failure to follow this instruction may impair performance of the device.

Do not install any bulb-type sprinkler if the bulb is cracked or there is a loss of liquid from the bulb. With the sprinkler held horizontally, a small air bubble should be present. The diameter of the air bubble is approximately 1/16 in. (1,6 mm) for the 135°F (57°C) rating to 1/8 in. (3,2 mm) for the 360°F (182°C) rating.

A leak-tight 1 inch NPT sprinkler joint should be obtained by applying a minimum-to-maximum torque of 20 to 30 lb-ft (26,8 to 40,2 N-m). Higher levels of torque may distort the sprinkler Inlet with consequent leakage or impairment of the sprinkler.

Do not attempt to compensate for insufficient adjustment in an escutcheon plate by under or over-tightening the Sprinkler. Re-adjust the position of the sprinkler fitting to suit.

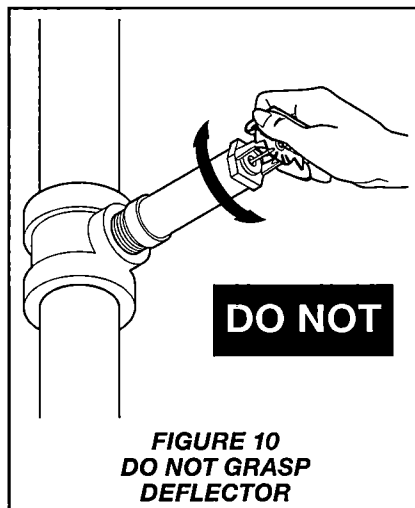
Step 1. Install horizontal sidewall sprinklers with the center line of waterway parallel to the ceiling and perpendicular to the back wall surface. The word "TOP" on the deflector must face upwards toward the ceiling.

Step 2. With a non-hardening pipe-thread sealant such as TEFLON applied to the Inlet threads, hand-tighten the sprinkler into the sprinkler fitting. Do not grasp the sprinkler by the deflector (Ref. Figure 10).

Step 3. Wrench-tighten the sprinkler using either:

- a pipe wrench on the Inlet Band or the Casing (Ref. Figure 1)
- the W-Type 8 Sprinkler Wrench on the Wrench Flat (Ref. Figure 11)

Apply the Wrench Recess of the W-Type 8 Sprinkler Wrench to the Wrench Flat.



Note: If sprinkler removal becomes necessary, remove the sprinkler using the same wrenching method noted above. Sprinkler removal is easier when a non-hardening sealant was used and torque guidelines were followed. After removal, inspect the sprinkler for damage.

Step 4. After applying a wall finish, slide on the outer piece of the escutcheon until it comes in contact with the mounting surface.

For Deep Escutcheons, slide the outer skirt over the inner cup to make firm contact with the mounting surface.

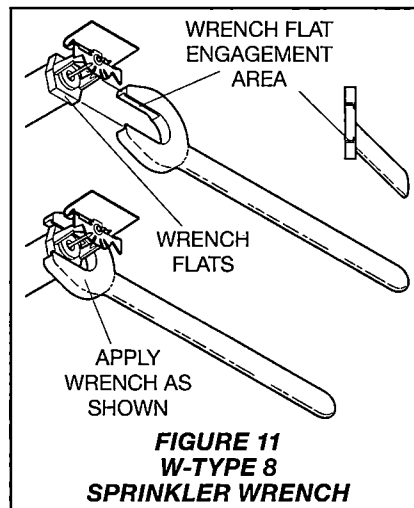
Care and Maintenance

TYCO Series DS-3 Dry-Type Sprinklers, 11.2K Horizontal Sidewall, Standard Response, Extended Coverage, Ordinary Hazard (ECOH) must be maintained and serviced in accordance with this section.

Before closing a fire protection system main control valve for maintenance work on the fire protection system that it controls, obtain permission to shut down the affected fire protection systems from the proper authorities and notify all personnel who may be affected by this action.

Absence of the outer piece of an escutcheon, which is used to cover a clearance hole, may delay the time to sprinkler operation in a fire situation.

A Vent Hole is provided in the Bulb Seat (Figure 1) to indicate if the Dry Sprinkler is remaining dry. Evidence of leakage from the Vent Hole indicates potential leakage past the Inlet seal and the need to remove the sprinkler to deter-



mine the cause of leakage; for example, an improper installation or an ice plug. Close the fire protection system control valve and drain the system before removing the sprinkler.

Sprinklers which are found to be leaking or exhibiting visible signs of corrosion must be replaced.

Automatic sprinklers must never be painted, plated, coated, or otherwise altered after leaving the factory. Modified sprinklers must be replaced. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, should be replaced if they cannot be completely cleaned by wiping the sprinkler with a cloth or by brushing it with a soft bristle brush.

Care must be exercised to avoid damage to the sprinklers – before, during, and after installation. Sprinklers damaged by dropping, striking, wrench twist/slippage, or the like, must be replaced. Also, replace any sprinkler that has a cracked bulb or that has lost liquid from its bulb. (Refer to Installation Section.)

The owner is responsible for the inspection, testing, and maintenance of their fire protection system and devices in compliance with this document, as well as with the applicable standards of the NATIONAL FIRE PROTECTION ASSOCIATION (e.g., NFPA 25), in addition to the standards of any other authorities having jurisdiction. Contact the installing contractor or product manufacturer with any questions.

Automatic sprinkler systems are recommended to be inspected, tested, and maintained by a qualified Inspection Service in accordance with local requirements and/or national codes.

P/N* 61 — XXX — X — XXX

ESCUTCHEON TYPE	
161	Flush Escutcheon (1 in. NPT), 155°F (68°C)
163	Flush Escutcheon (1 in. NPT), 200°F (93°C)
171	Deep Escutcheon (1 in. NPT), 155°F (68°C)
173	Deep Escutcheon (1 in. NPT), 200°F (93°C)
151	Without Escutcheon (1 in. NPT), 155°F (68°C)
153	Without Escutcheon (1 in. NPT), 200°F (93°C)

	SPRINKLER FINISH	ESCUTCHEON FINISH ¹
1	NATURAL BRASS	BRASS PLATED
4	SIGNAL WHITE (RAL9003) POLYESTER	SIGNAL WHITE (RAL9003) POLYESTER
9	CHROME PLATED	CHROME PLATED
0	CHROME PLATED	SIGNAL WHITE (RAL9003) POLYESTER

ORDER LENGTH ²	
055	5.50 in.
082	8.25 in.
180	18.00 in.
187	18.75 in.
372	37.25 in.
480	48.00 in.

Notes:

- Does not apply to assemblies without escutcheon.
- Dry-Type Sprinklers are furnished based upon "Order Length" as measured per Figures 2, 3 & 4.
- After the measurement is taken, round it to the nearest 1/4 inch increment.

* Use Prefix "I" for ISO 7-R1 Connection (e.g., I-61-161-1-055).

TABLE E
SERIES DS-3 HORIZONTAL SIDEWALL, DRY-TYPE SPRINKLERS (ECOH)
PART NUMBER SELECTION

Limited Warranty

For warranty terms and conditions, visit
www.tyco-fire.com.

Ordering Procedure

Contact your local distributor for availability. When placing an order, indicate the full product name, including description and Part Number (P/N).

Dry-Type Sprinklers

When ordering Series DS-3 Dry-Type Sprinklers, 11.2K Horizontal Sidewall, Standard Response, Extended Coverage, Ordinary Hazard (ECOH), specify the following information:

- SIN TY5339
- Order Length:
Dry-Type Sprinklers are furnished based upon Order Length as measured from the face of the wall to the face of the sprinkler fitting (Ref. Figures 2, 3 & 4). After the measurement is taken, round it to the nearest 1/4 inch increment.
- Inlet Thread Connections:
1 Inch NPT
(Standard)
ISO 7-R 1
(For information on ISO Inlet Thread Connections, contact your Johnson Controls Sales Representative.)
- Temperature Rating
- Sprinkler Finish
- Escutcheon Type and Finish, as applicable
- Part Number from Table E

Sprinkler Wrench

Specify W-Type 8 Sprinkler Wrench,
P/N 56-892-1-001

Sprinkler Boot

Specify Model DSB-2 Dry Sprinkler Boot, P/N 63-000-0-002

This Part Number includes one (1) Boot, two (2) Strap Ties, and 1/3 oz of Adhesive (a sufficient quantity for installing one boot).



BERGMANN

ARCHITECTS ENGINEERS PLANNERS

July 11, 2019

Peter McNamara
Building Inspector, Brick Township
401 Chambers Bridge Road
Brick, NJ 08723

RECEIVED
JUL 15 2019
BUILDING

RE: Trader Joe's, 56 Chambers Bridge, Brick, NJ
Permit # 19-1297

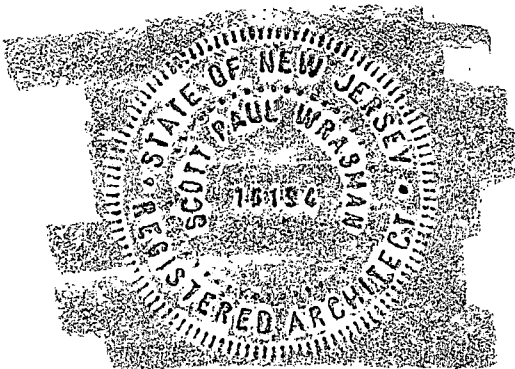
Mr. McNamara,

1. Number 10 gauge reinforcement at 6" x 6" is acceptable for the slab reinforcing.
2. In detail 2/A2.3, pressure treated wood is an acceptable substitute for the redwood shown in the detail.

Please do not hesitate to contact me with any other questions.

Sincerely,

Scott P. Wrasman, AIA, LEED AP, PMP
484.567.7682
swrasman@bergmannpc.com





Ocean County Health Department

Daniel E. Regenye, MHA, Public Health Coordinator/Health Officer
175 Sunset Avenue, PO Box 2191 Toms River, NJ 08754
Telephone: (732) 341-9700 Fax: (732) 286-1495
E-Mail: jprotonentis@ochd.org
www.ochd.org



Public Health
Prevent. Promote. Protect.

PLAN REVIEW

Insp Date: 5/23/2019 **Business ID:** OW000547
Business: Trader Joe's Grocery Store
110 Brick Plaza
Space 43A
Brick, NJ 08723

Inspection: OH001221
File Number: 053419
Phone:
REHS: B-102062 George McCoy
Reason: 05. PLAN REVIEW
Results: Approved

Time In / Time Out

Date	In	Out	Insp	Travel	Total	Mileage	Notes
05/23/19	08:15 AM	09:45 AM	1:30	0:00	1:30	0	
Total:			1:30	0:00	1:30	0	

Notes

5-23-19. THIS FOOD PLAN WAS OBSERVED TO BE SATISFACTORY.

UPON COMPLETION OF ALL CONSTRUCTION AND FINAL CLEAN UPS.

CONTACT THIS AGENCY TO ARRANGE FOR A PREOPERATIONAL INSPECTION.

24 HRS. NOTICE ARE REQUIRED.
Mr. McCoy.

732-341-9700 x 7479.

Inspector

Acknowledged Receipt :

Page 1 of 1

TRADER JOE'S COMPANY

160 FEDERAL STREET •
TWELFTH FLOOR • BOSTON, MA 02110
(857) 400-3400

May 1, 2019

Re: Trader Joe's #615

110 Brick Plaza

Brick, NJ 08723

To whom it may concern:

Trader Joe's is a retail grocery store that sells pre-packaged food items. There is no food production on site. There is no butcher shop, cheese cutting or wrapping, deli section, fresh fish department, or salad bar. All meat, fish, and deli items, are pre-packaged and labeled prior to delivery to the store.

The Food Demonstration Program is designed to introduce our foods to our customers. The purpose of the demo is to engage customers in conversation about the food and to show them how simple and easy it is to prepare and serve. We then prepare and serve the item using NSF equipment according to the package directions. Copies of all of the equipment specification sheets are included for your review.

It is our policy to prepare food in small batches that will last no longer than 30 minutes. After that time, any product that has not been served is discarded. A Trader Joe's employee attends the Food Demonstration Area at all times. There is no formal preset menu. A list of typical items that we sample is:

Chips and dips, cheese and crackers, snacks, cookies, candy, bakery products, dairy products, salads, frozen or refrigerated entrees, pizzas, hors d'oeuvres, desserts, side dishes, coffee, tea, juices, bottled waters, and assorted beverages.

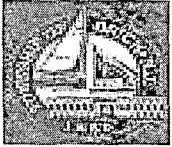
Thank you for your time and consideration. Please feel free to give me a call if any questions arise during the review of our plans.

Sincerely yours,



Astrid Anaya
National Licensing and Utilities Analyst
800 S. Shamrock Avenue
Monrovia, CA 91016
6296-599-3771
AAanaya@traderjoes.com

5/19/19 Emailed Bob@retailproject.com @m



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

Subcode Official Review

Date: Thursday, May 09, 2019

To: FEDERAL REALTY INVESTMENT TRUST
%
PO BOX 92129 (ALTUS GROUP
SOUTHLAKE, TX 76092

RE: Fire Subcode
Block: 671 Lot: 1.01 Qual:
56 CHAMBERS BRIDGE RD.
Permit Number: +B Control Number: C-19-001116+B
Last Submit Date: Wednesday, May 01, 2019

Dear FEDERAL REALTY INVESTMENT TRUST %,

Your request is hereby denied based upon the following infractions.

Regarding ESS Plan:

- ☒ 1. Exterior horn strobe required on front of structure by vestibule
- ☒ 2. FA Annunciator panel required by front vestibule
- ☒ 3. Please address Carbon Monoxide Coverage as stated in original review
- ☒ 4. Duct detection connected to FA has been addressed, the remote key resets has not
- ☒ 5. FA plan states devices existing in quantites box???

Sincerely,

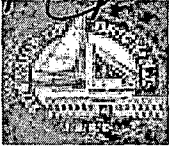
Richard Orlando, Subcode Official

CC:

Resubmit 5/16/19 @m

TI- 516-361-3939

4/17/19 Same copy to Kerry (MP) Failed - 631-218-3980 (MP)



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

Subcode Official Review

Date: Tuesday, April 16, 2019

To: FEDERAL REALTY INVESTMENT TRUST
%
PO BOX 92129 (ALTUS GROUP
SOUTHLAKE, TX 76092

RE: Fire Subcode
Block: 671 Lot: 1.01 Qual:
56 CHAMBERS BRIDGE RD.
Permit Number: Control Number: C-19-001116
Last Submit Date: Monday, April 15, 2019

Dear FEDERAL REALTY INVESTMENT TRUST %,

Your request is hereby denied based upon the following infractions.

1. Plan page SP1 states that fire sprinkler plan to be submitted by fire sprinkler contractor. Please submit actual fire sprinkler plan with hydraulic calculations, specifications, and copy of installer license.
2. RTU HVAC units to be connected to fire alarm with remote key resets. Roof top units to be labeled by number for identification.
3. Need to meet NJ UCC Rehab Subcode subchapter 6 for Carbon Monoxide Alarms.
4. Need copy of fire alarm installer license, and device specifications. Fire alarm to have programming ability to have have visual devices remain activating when silence command is utilized. Strobe only programming after silence. Panel to be fully programmed point to point.
5. A fire department knox box is required.

Sincerely,

Richard Orlando, Subcode Official

CC:

* * * Communication Result Report (Apr. 18. 2019 10:41AM) * * *

1)
2)

Date/Time: Apr. 18. 2019 10:40AM

File No. Mode	Destination	Pg(s)	Result	Page Not Sent
4292 Memory TX	916312183980	P. 1	OK	

Reason for error

- E. 1) Hang up or line fail
E. 3) No answer
E. 5) Exceeded max. E-mail size

- E. 2) Busy
E. 4) No facsimile connection
E. 6) Destination does not support IP-Fax



Subcode Official Review

Date: Tuesday, April 16, 2019

To: FEDERAL REALTY INVESTMENT TRUST
%
PO BOX 62126 (ALTUS GROUP
SOUTH LAKE, TX 76092

RE: Fire Subcode
Block: 671 Lot: 1.01 Quasi:
56 CHAMBERS BRIDGE RD.
Permit Number: Control Number: C-19-001116
Last Submit Date: Monday, April 15, 2019

Dear FEDERAL REALTY INVESTMENT TRUST %,

Your request is hereby denied based upon the following infractions.

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2. RTU HVAC units to be connected to fire alarm with remote key resets. Roof top units to be labeled by number for identification.
3. Need to meet NJ UCC Rehab Subcode subchapter 6 for Carbon Monoxide Alarms.
4. Need copy of fire alarm installer license, and device specifications. Fire alarm to have programming ability to have visual devices remain activating when silence command is utilized. Silence only programming after silence. Permit to be fully programmed point to point.
5. A fire department knock box is required.

Sincerely,

Richard Orlando, Subcode Official

CC: