

BLOCK 670 LOT 10.01 QUALIFICATION CODE _____ADDRESS (SITE) 2700 Hooper AvePERMIT NO. 16-3403

CONSTRUCTION PERMIT APPLICATION

732-300-1794
Nelson
C-16-004521

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

V. FEE SUMMARY (for office use only)

1. Building	\$ 150 -	Update 3882	Update 1740
2. Electrical			1740
3. Plumbing			475
4. Fire Protection			475
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee	\$ 2 -		1740
10. Subtotal	\$		
11. Cert. of Occupancy	150	610	
12. Other	20 EP		
13. TOTAL	\$ 155 -		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories	1E	(Office use only)
2. Height of Structure		
3. Area - Largest Floor	170 sq. ft.	170 sq. ft.
4. New Building Area		
5. Volume of New Structure	3150	cu. ft.
6. Max. Live Load	10	psf
7. Max. Occupancy Load	156	
8. If Industrialized Building: State Approved	180	
9. Total Land Area Disturbed		sq. ft.
10. Flood Hazard Zone		
11. Base Flood Elevation		ft.
12. Wetlands	yes	no

I. IDENTIFICATION

1. Proposed Work Site at: 2700 Hooper Ave

2. Name of Owner in Fee: Nelson Monroy (Villa Vittoria)
Tel. (732) 581-4235 e-mail nelsonmonroy1@gmail.com
Address 2700 Hooper Ave Brick NJ 08723
street municipality zip code

3. Ownership in Fee: Public ☐ Private ☒ Municipality ☒

4. Principal Contractor: John Winton Tel. (732) 581-4235
Address 70 Hackley Ave e-mail Toms River, NJ 08753

License No. OR, if new home, Builder Reg. No. 100848700 Exp. Date 3/31/18

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

Federal Emp. ID No. PAUL P. Amelchenko FAX: (732) 255-8582

5. Architect or Engineer PAUL P. Amelchenko Contact PAUL
Address 917 Main Street e-mail Amelchenko@optimum.net
Tel. (732) 974-0406 FAX: (732) 974-0309

6. Responsible Person in Charge once Work has Begun Amelchenko@optimum.net
Tel. (732) 581-4235 FAX: (732) 255-8582

IIa. PROPOSED WORK

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

IIb. SUBCODES

(Check all that apply)

- ☒ Building
- ☒ Electrical
- ☐ Plumbing
- ☐ Fire Protection
- ☐ Elevator

TOTAL COST 2500

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
2500	MFE	9/23/16	10/31/16	11/16/16	KPK	6/17		PJL
				2-6-17				

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: 150-E
2. Use Group, Proposed: 150-E
3. Change in Use Group, Indicate Present: 150-E
4. No. of dwelling units: 353
- Gained, Sale
- Gained, Rental
- Lost, Sale
- Lost, Rental

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: A-2
2. Use Group, Proposed: A-2
3. Change in Use Group, Indicate Present:

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

- D. Construct. Classification: Present
- Proposed

III. PLAN REVIEW (optional)

- DO YOU WANT: +A - BUILDING
1. ☐ Partial Releases SUBCODE
2. ☐ Prototype Processing ONLY

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

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

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	
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. _____	_____	_____	_____	_____

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 John Winton

Address 70 Hadley Ave.
Toms River, NJ 08753

Telephone (732) 581-4335

Signature [Signature]

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



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 08/23/2017
Control Number C-16-004521+A
Permit Number 16-3403+A
Permit Issue Date 11/17/2016
Certificate Number 16-3403

Certificate

Construction Code Division

(Temporary Certificate of Occupancy)

Identification

Work Site Location: 2700 HOOPER AVE. Brick Township, NJ Block: 670 Lot: 10.01 Qual:
Owner in Fee: IL GIARDINO SUL MARE LLC
Owner Address: 2700 HOOPER AVE BRICK NJ 08723
Telephone: (732) 581-4335
Contractor JOHN WINTON
Address 70 HADLEY AVE TOMS RIVER NJ 08753-
Telephone: (732) 341-2959 Fax:
License Number or Builders Registration Number: 095864 Federal Emp. Number: 14-2288905

Home Warranty Number:

Type of Warranty Plan: ☐ State ☐ Private

Use Group: A-2 Construction Classification:

Maximum Live Load: 0 Maximum Occupancy Load: 156

Description of Work/Use: FIRE RESTORATION ADDITION - VILLA VITTORIA RESTORATION & ADDITION

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: 10/22/2017
or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of: 10/22/2017
Conditions to be met:

Need Final Plumbing Inspection


Construction Official

Date Printed: 08/23/2017

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

Fee: \$0.00

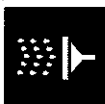
Check Number:

Collected By:

Page 1



PLUMBING 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 638 Lot 10.01 Qualification Code 10.01
Work Site Location 2200 Hooper Ave.
Owner in Fee: Nelson Moray (Vina Victoria)
Tel. 732 581-4335 e-mail _____
Address 2200 Hooper Ave
Contractor: Air Concepts Htg & Cig, Inc. municipality Beachwood, NJ 08722 Tel. (732) 473-0696 e-mail airconceptsny@yahoo.com
Contractor License No. 19HC00028000 Exp. Date 06/30/2018
Home Improvement Contractor Registration No. or Exemption Reason 13VH03344700
Federal Emp. ID No. 204838688 FAX: (732) 473-0671

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed _____
Building Sewer Size _____ Public Sewer _____ Private Septic _____
Water Service Size _____ Public Water _____ Private Well _____
Est. Cost of Plumbing Work \$ 65,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW		INSPECTIONS		Dates (Month/Day)		
		Type:	Failure	Failure	Approval	Initial
☐ No Plans Required		Slab				
☐ Partial Under-slab Utilities Approved		Rough				
Date: _____	Approved by: _____	Water				
☒ Plumbing Plans Approved	Date: _____	Sewer				
Joint Plan Review Required: _____	Approved by: _____	Fixtures				
☐ Bldg. ☐ Elec. ☐ Fire. ☐ Elev.		Gas Equipment				
SUBCODE APPROVAL for PERMIT	Date: <u>8-2-17</u>	Gas Piping				
Approved by: _____		LP Gas Tank				
SUBCODE APPROVAL for CERTIFICATE		Fuel Oil Piping				
☐ CO ☐ CCO		Solar				
Date: <u>5-15-17</u>		TCO				
Approved by: _____		Final				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to execute this application and perform the work listed on this application.
Applicant sign/contractor sign and seal here: _____
Print name here: Justin Houston

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

6 Zones Heat + A/C

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 _____

LP Gas Tank _____

Steam Boiler _____

Hot Water Boiler _____

Sewer Pump _____

Interceptor/Separator _____

Backflow Preventer _____

Greaseltrap _____

Sewer Connection _____

Water Service Connection _____

Stacks _____

Other A/C _____

Date Received _____
Control # _____

Date Issued _____
Permit # 16-03403 + C

2/17/17

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____



Approved by: _____

Other Full

3

16-3403-8

4 Gold = Applicant Copy

8-7-17 *HT*
Not Enough Combustion Air



tech.

Not Ready
8-9-17 / 10
720 60 days
Temperatures 110° At LAUS

↑
P
tech.



VILLA VITTORIO 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 670 Lot 10.01 Qualification Code _____

Work Site Location 2700 Old Hooper Ave, Brick NJ 08724

Owner in Fee: Nelson Morroy

Tel. (732) 300 1794 e-mail villavittorio@comcast.net

Address 3700 Old Hooper Ave, Brick NJ 08724

Contractor: Custom Designed Security Inc. Tel. (732) 830 7900

Address 1358 Hooper Ave, Pmb 381, e-mail karen@custom3

7005 River Rd, 08753, design@security.com

Contractor License No. PO08667 Exp. Date 4/30/19

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

Federal Emp. ID No. 222 862 397 FAX: (888) 889 7194

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

(☐) Pole/Pad # _____ (☐) Temporary (☐) Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 7450.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW

(☐) No Plans Required

(☐) Partial -Underslab Utilities Approved

Date: _____ Approved by: _____

(☒) Electrical Plans Approved

Date: 6/17/17 Approved by: PSC

Joint Plan Review Required: _____

(☐) Bldg. (☐) Plumb. (☐) Fire. (☐) Elev.

SUBCODE APPROVAL FOR PERMIT

Date: 6/17/17

SUBCODE APPROVAL FOR CERTIFICATE

(☐) CO (☐) CCO (☐) CA

Date: 6/17/17

Approved by: [Signature]

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:

(☐) Licensed Elec. Contractor (☐) Certif'd Landscape Migration Contr (☒) Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: INSTALLATION OF BOREHOLE

QTY. SIZE ITEMS

4 1/2" 6 MOTORS

4 1/2" 3.4KV STATIONS

4 1/2" 5 PAU STATIONS

4 1/2" 125 STATIONS

4 1/2" 125 STATIONS

4 1/2" 125 STATIONS

4 1/2" 125 STATIONS

4 1/2" 125 STATIONS

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4 1/2" 125 STATIONS

4 1/2" 125 STATIONS

4 1/2" 125 STATIONS

Update

6/1/17

14-3408+G

Date Received
Control #
Date Issued
Permit #

TOTAL NUMBERS

Pool Permit/with UV 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

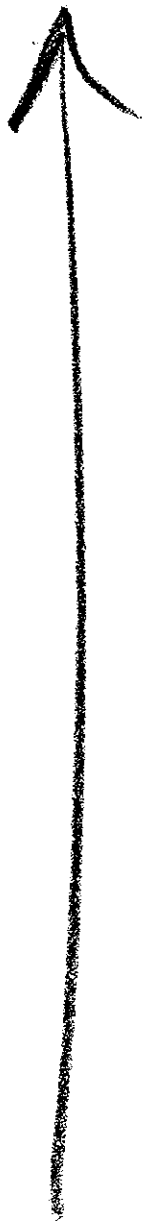
Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

8-7-17 Mon.
No-t Teaching



tech.

8-7-17 Wm
Viet Reading

21



2000 csa



**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 670 Lot 10.01 Qualification Code _____

Work Site Location 2200 Hooper Ave.

Block 10.01 Subcode 08725

Owner in Fee: Nelson Morrey (with Victor)

Tel. (732) 581-4335 e-mail _____

Address 2200 Hooper Ave. B.I.I.

Contractor: John Winton Municipality _____ Tel. (732) 581-4335

Address 20 Hooper Ave. e-mail _____

Contractor License No. or Builder Registration No. 164400848700 Exp. Date 3/31/17

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

Federal Emp. ID No. _____ FAX: (732) 255-8582

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

☐ No Plans Required

☐ All

☐ Footings/Foundations

☐ Structural/Framework

☐ Exterior

☐ Interior

Joint Plan Review Required:

☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator

SUBCODE APPROVAL for PERMIT

Date: _____

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

Date: 08/23/17

Approved by: [Signature]

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____

No. of Stories 2

Height of Structure _____ ft.

Area — Largest Floor _____ sq. ft.

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

Volume of New Structure _____ cu. ft.

Max. Live Load _____

Max. Occupancy Load _____

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: [Signature]

Print name here: John Winton

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Fire Denolition
Interior and exterior
Fire damage only

TYPE OF WORK:

☐ New Building

☐ Addition

☐ Rehabilitation

☐ Roofing

☐ Siding

☐ Fence

☐ Sign

☐ Pool

☐ Retaining Wall

☐ Asbestos Abatement Subchapter 8

☐ Lead Haz. Abatement NJAC 5:17

☐ Radon Remediation

☒ Demolition

FEE (Office Use Only)

\$ _____

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____

Date Received
Control #

Date Issued
Permit #

08/29/14
H-3403

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy

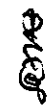
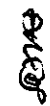
Final Calculations - Hazen-Williams

Deangelo Fire Protection
Villa Victoria Brick Restaurant

Page 6
Date 12-01-2016

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqv. Ln.	Pipe Ftng's Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
310 to 305	9.67 9.67		60.01 119.57	2.5 2.635	T 0.0	16.474 16.474	120 0.0401	11.234 0.0			
305			0.0 119.57					12.062		Vel = 7.03	
311 to 312	9 9.67	5.60	14.86	1	E T	2.0 5.0	120	7.042 -0.290			
312	9.67		14.86	1.049	Vcfd	43.0	0.0751	3.844		Vel = 5.52	
312 to 313	9.67 9.67		0.0 14.86	1.5	2E	9.9 0.0	120	10.596 0.0			
313	9.67		14.86	1.682		0.0	0.0075	0.125		Vel = 2.15	
313 to 309	9.67 9.67		14.93 29.79	1.5	T	9.9 0.0	120	10.721 0.0			
309			0.0 29.79	1.682		0.0	0.0272	0.397		Vel = 4.30	
314 to 302	9 9.67	5.60	14.94	1	E T	2.0 5.0	120	7.116 -0.290			
302	9.67		14.94	1.049	Vcfd	43.0	0.0758	3.944		Vel = 5.55	
302			0.0 14.94					10.770		K Factor = 4.55	
315 to 308	9 9.67	5.60	14.92	1	E T	2.0 5.0	120	7.097 -0.290			
308	9.67		14.92	1.049	Vcfd	43.0	0.0757	3.896		Vel = 5.54	
308			0.0 14.92					10.703		K Factor = 4.56	
316 to 317	9 9.67	5.60	14.94	1	E T	2.0 5.0	120	7.118 -0.290			
317	9.67		14.94	1.049	Vcfd	43.0	0.0759	3.895		Vel = 5.55	
317 to 318	9.67 9.67		0.0 14.94	1.5		0.0 0.0	120	10.723 0.0			
318	9.67		14.94	1.682		0.0	0.0077	0.092		Vel = 2.16	
318 to 310	9.67 9.67		15.01 29.95	1.5	T	9.9 0.0	120	10.815 0.0			
310	9.67		29.95	1.682		0.0	0.0275	0.419		Vel = 4.32	
310			0.0 29.95					11.234		K Factor = 8.94	
319 to 313	9 9.67	5.60	14.93	1	E T	2.0 5.0	120	7.108 -0.290			
313	9.67		14.93	1.049	Vcfd	43.0	0.0758	3.903		Vel = 5.54	
313			0.0 14.93					10.721		K Factor = 4.56	
320 to 318	9 9.67	5.60	15.00	1	E T	2.0 5.0	120	7.179 -0.290			
318	9.67		15.0	1.049	Vcfd	43.0	0.0765	3.926		Vel = 5.57	
318			0.0 15.00					10.815		K Factor = 4.56	
321 to 322	9 9.67	5.60	15.01	1	E T	2.0 5.0	120	7.185 -0.290			
322	9.67		15.01	1.049	Vcfd	43.0	0.0765	3.929		Vel = 5.57	

* 12-15-16 Footings appx - will need letter on 4 remaining ~~for~~ Pier Footings 

* 5-18-17 Frame Fail 1) Need all Penetration sealed Floor to Piers 
2) Note Fire Blocks on mechanical room to attic 
3) Need Joist hangers on ceiling board

4) Request as sets visit from DP to discuss items on Plans that will be met. 

8/30/17 DM Insulation - not ready

* 7-11-17 Trimmer ok met with Architect on load points Issues will check calculations 

* 7-12-17 above ceiling ok check Filbin Plate, AND Pass stop at kitchen entry 

* 08/02/17 FARM Insp'n Res.

NOT READY - Int. Finishes still being done.

FINAL FIRE SUBCODE Not done until tomorrow

CHK Insp'n comments from 7-12-17, 

CHK Accessible Bathroom Maneuvering Clearance as per

Fig. 404.2.3.2 attached 

CHK Handrail height @ Rear Stairway Meel Equip Rack

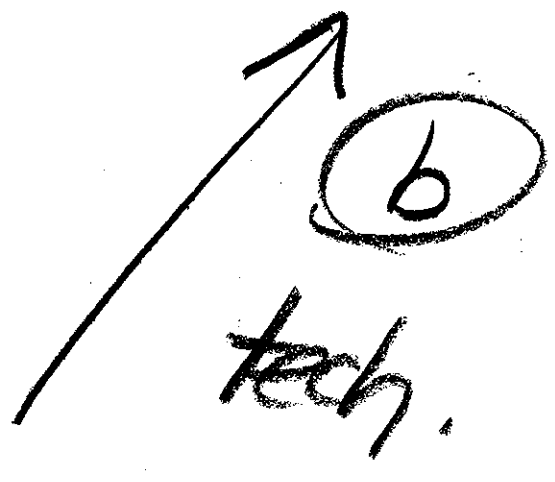
34" (min) - 38" (max) 

* 8-9-17 See ABOVE

+ pane Devices @ exit Door

Reconfigured Emergency exit signs

Have all fixtures in place



* 8-14-17 Final Fail Need mid support @ stairs,  undersink ADA restriction;  Final ADA Signage + striping 

Pressure / Flow Summary - STANDARD

Deangelo Fire Protection
Villa Victoria Brick Restaurant

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Date 12-01-2016

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
300	9.0	5.6	7.0	na	14.82	0.1	140	7.0
301	9.67		10.74	na				
302	9.67		10.77	na				
303	9.67		10.93	na				
304	9.67		11.92	na				
305	9.67		12.06	na				
C	9.67		14.99	na				
D	9.17		15.24	na				
TOR	9.17		19.44	na				
BOR	2.0		26.34	na				
SPQ	2.0		34.21	na				
UG	-4.5		37.07	na				
TEST	0.0		35.36	na	100.0			
306	9.0	5.6	7.04	na	14.86	0.1	144	7.0
307	9.67		10.61	na				
308	9.67		10.7	na				
309	9.67		11.12	na				
310	9.67		11.23	na				
311	9.0	5.6	7.04	na	14.86	0.1	100	7.0
312	9.67		10.6	na				
313	9.67		10.72	na				
314	9.0	5.6	7.12	na	14.94	0.1	60	7.0
315	9.0	5.6	7.1	na	14.92	0.1	144	7.0
316	9.0	5.6	7.12	na	14.94	0.1	144	7.0
317	9.67		10.72	na				
318	9.67		10.81	na				
319	9.0	5.6	7.11	na	14.93	0.1	120	7.0
320	9.0	5.6	7.18	na	15.0	0.1	144	7.0
321	9.0	5.6	7.19	na	15.01	0.1	130	7.0
322	9.67		10.82	na				
323	9.67		10.89	na				
324	9.0	5.6	7.26	na	15.09	0.1	120	7.0
325	9.0	5.6	7.23	na	15.05	0.1	96	7.0

The maximum velocity is 9.67 and it occurs in the pipe between nodes 305 and C

Final Calculations - Hazen-Williams - 2007

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Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqv. Ln.	Pipe Ftng's Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
300 to 301	9 9.67	5.60	14.82	1	2E T Vcfd	4.0 5.0 43.0	2.010 52.000 54.010	120 -0.290 4.035			Vel = 5.50
301 to 302	9.67 9.67		0.0	1.5		0.0 0.0	3.330 0.0	120 0.0			Vel = 2.14
302 to 303	9.67 9.67		14.82	1.682		0.0 0.0	3.330 6.000	0.0075 120			Vel = 4.30
303 to 304	9.67 9.67		14.93	1.5		0.0 0.0	6.000 9.900	120 0.0			Vel = 6.47
304 to 305	9.67 9.67		29.75	1.682		0.0 0.0	6.000 17.060	0.0272 0.0581			Vel = 2.64
305 to C	9.67 9.67		15.09	1.5	T	9.9 0.0	7.160 9.900	120 0.0			Vel = 9.67
C to D	9.67 9.17		44.84	1.682		0.0 0.0	17.060 0.500	0.0581 120			Vel = 9.67
D to TOR	9.17 9.17		0.0	2.5	T	16.474 0.0	4.520 16.474	120 0.0			Vel = 9.67
TOR to BOR	9.17 2		44.84	2.635		0.0 0.0	20.994 20.994	0.0065 0.0065			Vel = 9.67
BOR to SPQ	2 2		119.58	2.5	E	8.237 0.0	32.260 8.237	120 0.0			Vel = 9.67
SPQ to UG	2 -4.5		164.42	2.635		0.0 0.0	40.497 0.500	0.0723 120			Vel = 3.70
UG to TEST	-4.5 0		0.0	2.5		0.0 0.0	0.500 0.0	120 0.0			Vel = 3.70
TEST			164.42	2.635		0.0 0.0	0.500 0.500	0.0720 0.0720			Vel = 4.00
			0.0	2.5	3E	24.711 0.0	33.450 24.711	120 0.0			Vel = 9.67
			164.42	2.635		0.0 0.0	58.161 7.170	0.0723 120			Vel = 9.67
			0.0	2.5	T	16.474 9.61	7.170 45.304	120 3.105			Vel = 9.67
			164.42	2.635	S	19.22 0.0	52.474 26.334	0.0723 120			Vel = 9.67
			0.0	4	2E Zai	26.334 0.0	6.460 26.334	120 7.640			** Fixed Loss = 7.64
			164.42	4.26		0.0 0.0	32.794 0.0	0.0070 120			Vel = 3.70
			0.0	4		0.0 0.0	6.500 0.0	120 2.815			Vel = 3.70
			164.42	4.26		0.0 0.0	6.500 0.0	0.0071 120			Vel = 3.70
			0.0	4	E	14.534 2.907	20.000 17.441	140 -1.949			Vel = 4.00
			164.42	4.1	G	0.0 0.0	37.441 0.0	0.0063 0.0063			Vel = 4.00
			100.00 264.42								Qa = 100.00 K Factor = 44.47
306 to 307	9 9.67	5.60	14.86	1	E T Vcfd	2.0 5.0 43.0	1.500 50.000 51.500	120 -0.290 3.866			Vel = 5.52
307 to 308	9.67 9.67		0.0	1.5		0.0 0.0	12.000 0.0	120 0.0			Vel = 2.15
308 to 309	9.67 9.67		14.86	1.682		0.0 0.0	12.000 9.900	0.0075 120			Vel = 4.30
309 to 310	9.67 9.67		14.91	1.5	T	9.9 0.0	5.330 9.900	120 0.0			Vel = 3.50
			29.77	1.682		0.0 0.0	15.230 0.0	0.0272 120			Vel = 3.50
			29.79	2.5		0.0 0.0	10.500 0.0	120 0.0			Vel = 3.50
			59.56	2.635		0.0 0.0	10.500 0.0	0.0110 0.0110			Vel = 3.50

Fittings Used Summary

Deangelo Fire Protection
Villa Victoria Brick Restaurant

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Fitting Legend		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12	14	16	18	20	24
Abbrev.	Name																				
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
G	NFPA 13 Gate Valve	0	0	0	0	0	1	1	1	2	2	3	3	4	5	6	7	8	10	11	13
S	NFPA 13 Swing Check	0	0	0	0	0	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
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
Vcld *	1/2 in VicFlex AH2 - 60 in Long	0	0	43					0	0	0	0	0	0	0	0	0	0	0	0	0
Zai	Ames 4000SS	Fitting generates a Fixed Loss Based on Flow																			

Units Summary

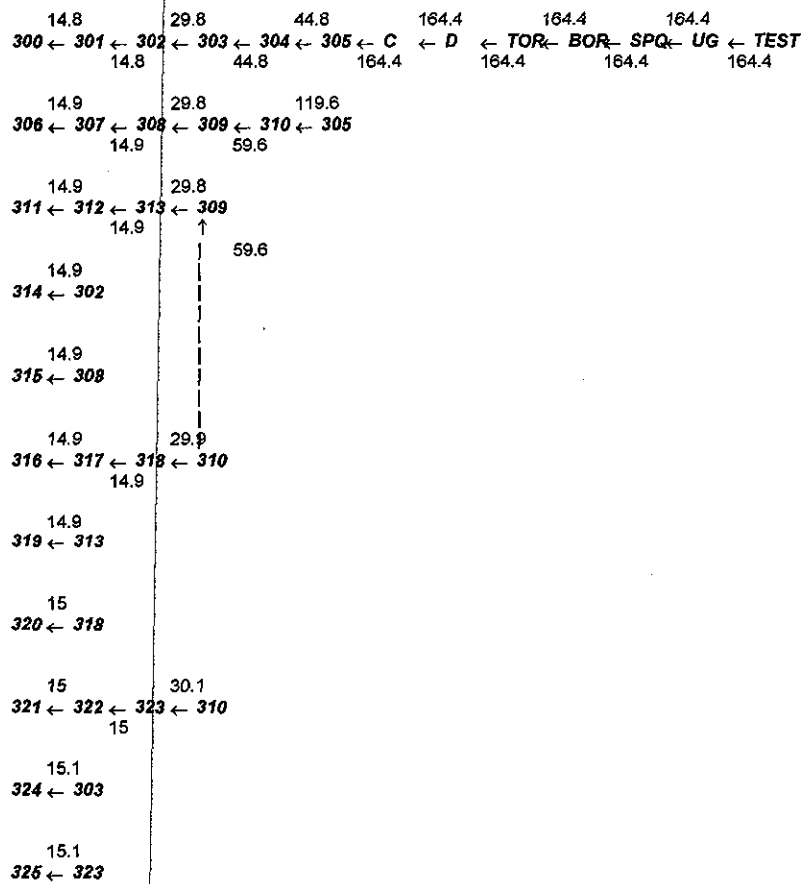
Diameter Units	Inches
Length Units	Feet
Flow Units	US Gallons per Minute
Pressure Units	Pounds per Square Inch

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.

Flow Diagram

Deangelo Fire Protection
Villa Victoria Brick Restaurant

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Water Supply Curve C

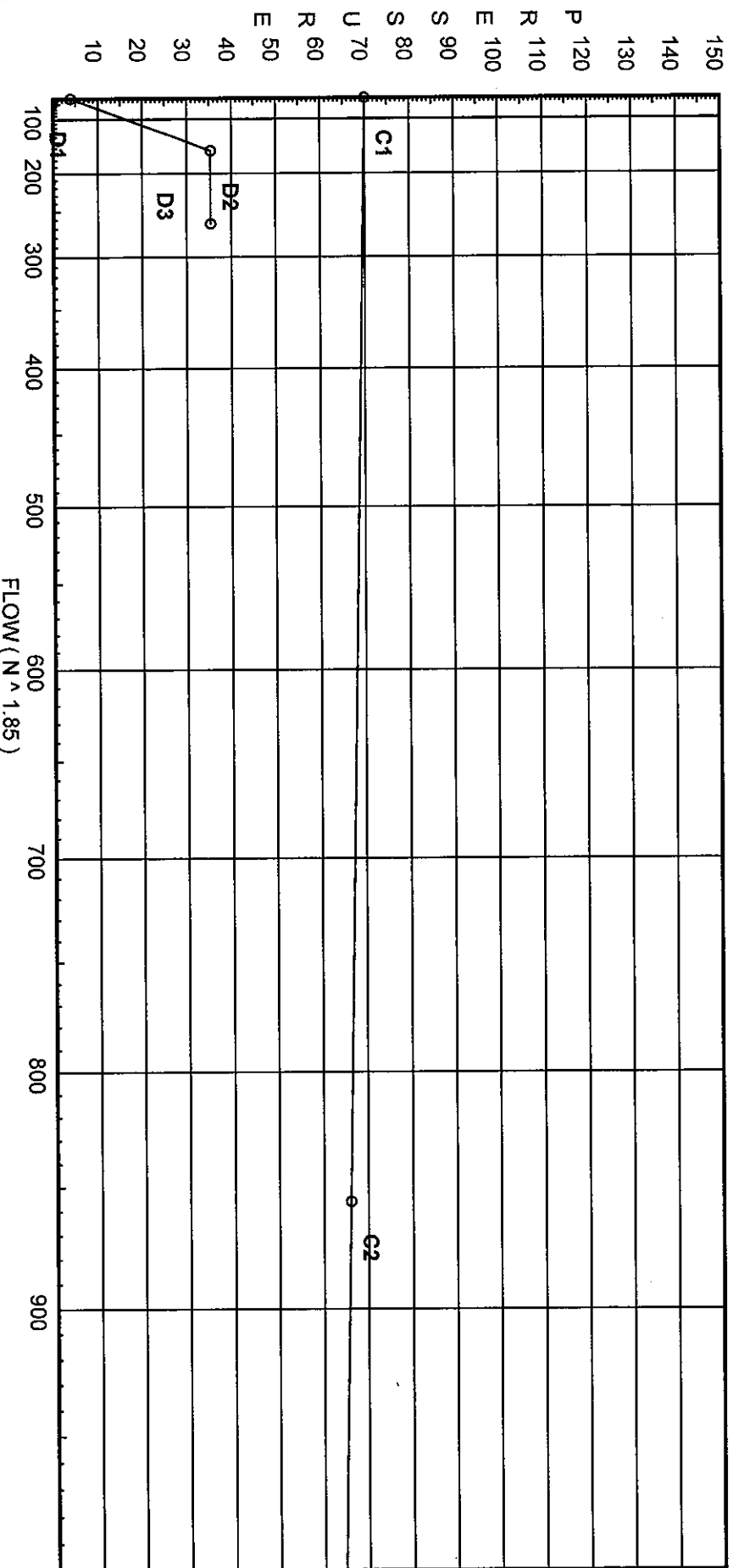
Deangelo Fire Protection
Villa Victoria Brick Restaurant

City Water Supply:

C1 - Static Pressure : 70
C2 - Residual Pressure: 66
C2 - Residual Flow : 856

Demand:

D1 - Elevation : 3.898
D2 - System Flow : 164.415
D2 - System Pressure : 35.358
Hose (Demand) : 100
D3 - System Demand : 264.415
Safety Margin : 34.187

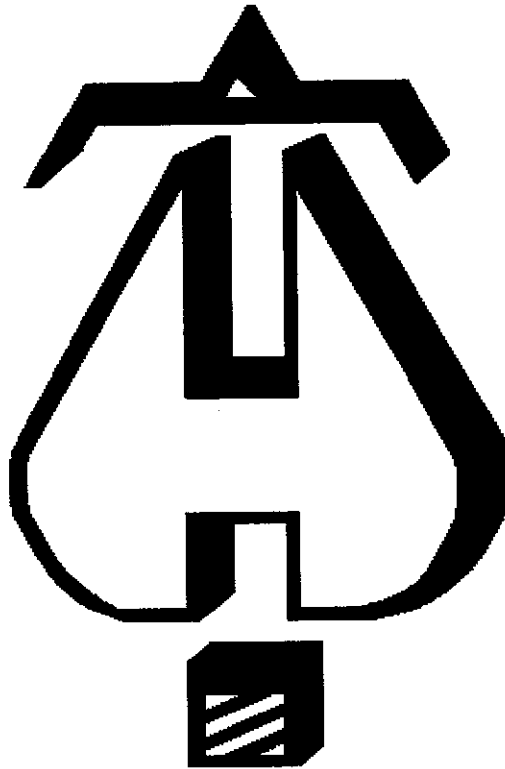


Final Calculations - Hazen-Williams

Deangelo Fire Protection
Villa Victoria Brick Kitchen

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Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqv. Ln.	Pipe Ftng's Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
209 to 210	9.67 9.67		0.0 18.03	1.5 1.682	0.0 0.0	12.000 0.0	120 0.0108	15.604 0.0			
									Vel =	2.60	
210 to 207	9.67 9.67		18.10 36.13	1.5 1.682	T 0.0	7.080 9.900	120 0.0390	15.734 0.0			
									Vel =	5.22	
207			0.0 36.13					16.396		K Factor =	8.92
211 to 212	7.83 8.67	5.60	18.38 18.38	1 1.049	E T Vcfd	2.0 5.0 43.0	1.330 50.000 51.330	120 -0.364 5.711		Vel =	6.82
212 to 213	8.67 9.67		0.0 18.38	1.5 1.682	2E 0.0	9.9 9.900	120 0.0111	16.114 -0.433		Vel =	2.65
213 to 203	9.67 9.67		18.24 36.62	1.5 1.682	T 0.0	4.920 9.900	120 0.0399	15.936 0.0		Vel =	5.29
203			0.0 36.62					16.528		K Factor =	9.01
214 to 210	9 9.67	5.60	18.10 18.1	1 1.049	E T Vcfd	2.0 5.0 43.0	1.500 50.000 51.500	120 -0.290 5.574		Vel =	6.72
210			0.0 18.10					15.734		K Factor =	4.56
215 to 206	9 9.67	5.60	18.15 18.15	1 1.049	E T Vcfd	2.0 5.0 43.0	1.500 50.000 51.500	120 -0.290 5.598		Vel =	6.74
206			0.0 18.15					15.808		K Factor =	4.56
216 to 202	9 9.67	5.60	18.20 18.2	1 1.049	E T Vcfd	2.0 5.0 43.0	1.170 50.000 51.170	120 -0.290 5.592		Vel =	6.76
202			0.0 18.20					15.864		K Factor =	4.57
217 to 213	9 9.67	5.60	18.24 18.24	1 1.049	E T Vcfd	2.0 5.0 43.0	1.170 50.000 51.170	120 -0.290 5.616		Vel =	6.77
213			0.0 18.24					15.936		K Factor =	4.57



. . . Fire Protection by Computer Design

Deangelo Fire Protection
707 Old Shore Road, Unit-5
Forked River, N.J. 08731
908-783-0539

Job Name : Villa Victoria Brick Restaurant
Drawing :
Location :
Remote Area :
Contract :
Data File : 5951 Villa Victoria Brick Submittal Area 3.WXF