

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND PERMIT ISSUED

Please Read
Application And
Notes, If Any,
Attached

BUILDING DIVISION

PERMIT

Permit Number: 091334

DEC 1 2009

This is to certify that CENTRO HERITAGE SPE 4 LLC / Eastern Fire Protection Co.has permission to Install Fire Suppression System

City of Portland

AT 1056 BRIGHTON AVE

CB 263A A007001

provided that the person or persons, firm or corporation accounting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is lathed or otherwise worked-in. 24 HOURS NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. CAPT. R. Johnson

Health Dept. _____

Appeal Board _____

Other _____

Department Name

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 09-1334		Issue Date:		CBL: 263A A007001	
Location of Construction: 1056 BRIGHTON AVE		Owner Name: CENTRO HERITAGE SPE 4 LLC		Owner Address: 131 DARTMOUTH ST	
Business Name:		Contractor Name: Eastern Fire Protection Co., Inc.		Contractor Address: 170 Kittyhawk Ave., PO Box 0139 Au	
Lessee/Buyer's Name		Phone:		Phone: 2077841507	
Past Use: Commercial - "Cakes Extraordinaire"		Proposed Use: Commercial - "Cakes Extraordinaire" - Install Fire Suppression System		Permit Type: Fire Suppression System	
Proposed Project Description: Install Fire Suppression System		Permit Fee: \$60.00		Cost of Work: \$3,450.00	
Use under #09-1077		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied * See Conditions		INSPECTION: Use Group: M Type: Sprinkler IBC-2003 Signature: JMB 12/1/09	
		Signature: (K6)		Signature: JMB 12/1/09	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied			
		Signature:		Date:	
Permit Taken By: Ldobson		Date Applied For: 11/20/2009		Zoning Approval	
<ol style="list-style-type: none">This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.Building permits do not include plumbing, septic or electrical work.Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..		Special Zone or Reviews		Zoning Appeal	
		<input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 11/23/09		<input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

PERMIT ISSUED

SIGNATURE OF APPLICANT

ADDRESS

DEC DATE 12/1/09

PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE

City of Portland

PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 09-1334	Date Applied For: 11/20/2009	CBL: 263A A007001
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Location of Construction: 1056 BRIGHTON AVE	Owner Name: CENTRO HERITAGE SPE 4 LLC	Owner Address: 131 DARTMOUTH ST	Phone:
Business Name:	Contractor Name: Eastern Fire Protection Co., Inc.	Contractor Address: 170 Kittyhawk Ave., PO Box0139 Au	Phone (207) 784-1507
Lessee/Buyer's Name	Phone:	Permit Type: Fire Suppression System	

Proposed Use: Commercial - "Cakes Extraordinaire" - Install Fire Suppression System	Proposed Project Description: Install Fire Suppression System
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Dept: Zoning Status: Approved Reviewer: Marge Schmuckal Approval Date: 11/23/2009
Note: Ok to Issue: ☒

Dept: Building Status: Approved with Conditions Reviewer: Jeanine Bourke Approval Date: 12/01/2009
Note: Ok to Issue: ☒

1) Sprinkler systems to be designed and installed per IBC 2003 standards Sec. 903.3.1

Dept: Fire Status: Approved with Conditions Reviewer: Capt Keith Gautreau Approval Date: 11/24/2009
Note: Ok to Issue: ☒

- 1) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance. Compliance letters are required.
- 2) The sprinkler system shall be installed in accordance with NFPA 13.
- 3) Application requires State Fire Marshal approval.
- 4) Fire department connection type and location shall be approved in writing by fire prevention bureau.
- 5) System acceptance and commissioning must be co-ordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.

PERMIT ISSUED**DEC 1 2009**

City of Portland



Fire Suppression System Permit

If you or the property owner owes real estate or property taxes or user charges on any property within the city, payment arrangements must be made before permits of any kind are accepted.

Installation address: Pine Tree Shopping Ctr CBL: _____
Exact location: (within structure) Unit 203
Type of occupancy(s) (NFPA & ICC): Confectionary Products
Building owner: _____
Managing Supervisor: Steve Leeman License No: _____
Supervisor phone: 874-2253 E-mail: _____
Installing contractor: Eastern Fire Protection License No: 101
Contractor phone: 784-1507 E-mail: stpierredr@teameastern.com
The suppression work to be done will be: New: ☐ Renovation: ☐ Addition to existing system: ☒
This is an amendment to an existing permit: Yes: ☐ NO ☒ Permit no: _____
NFPA Standard will this system is designed to: 13 Edition: 2007

*Non-NFPA systems are not approved for use within the City of Portland.

Download a new copy of this document from Inspection Division on-line at www.portlandmaine.gov for every submittal. Attach all design information and complete approved submittals as may be required by the State Fire Marshal's Office on 11X17 copies or electronic PDF's in addition to full sized plans.

Contractor shall verify location and type of all FDCs shall be approved in writing by the Fire Prevention Bureau.

Submit all information to the Building Inspections Department, 389 Congress Street, Room 315, Portland, Maine 04101.

Prior to acceptance of any fire protection system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

All installation(s) must comply with NFPA and the Fire Department Technical Standard(s).

State Permit not required.

COST OF WORK: 3,450.00

PERMIT FEE: \$60.00

(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

Applicant signature: [Signature] Date: 11-19-09



EASTERN FIRE PROTECTION

P.O. Box 1390
Kittyhawk Ave.
Auburn, ME 04210

PH # (207) 784-1507
FAX # (207) 782-0566

LETTER OF TRANSMITTAL

DATE	11-19-09	JOB NO.	A 4487-09
ATTENTION	Lannie Dobson		
RE:	Cakes Extraordinary		

TO City of Portland, Building Inspections
389 Congress Street, Room 315
Portland, Maine 04101

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

- ☒ Shop drawings
☐ Copy of letter

- ☐ Descriptive data
☐ Literature

- ☒ Hydraulic calculations

- ☒ Permit App & check

QUANTITY	DRAWING NO.	DATE	DESCRIPTION	STATUS
1	1 of 1	9-22-06	shop Drawing	C/E
1			Hydraulic Calculation	C/E
1			Permit App	E
1			\$60.00 check	E

Status code

- A. Approved
B. Approved as noted
C. Submitted for approval

- D. Corrected & resubmitted
E. For your files
F. Refer to remarks

Please return with notification ~~copies each~~ indicating your approval and/or comments.

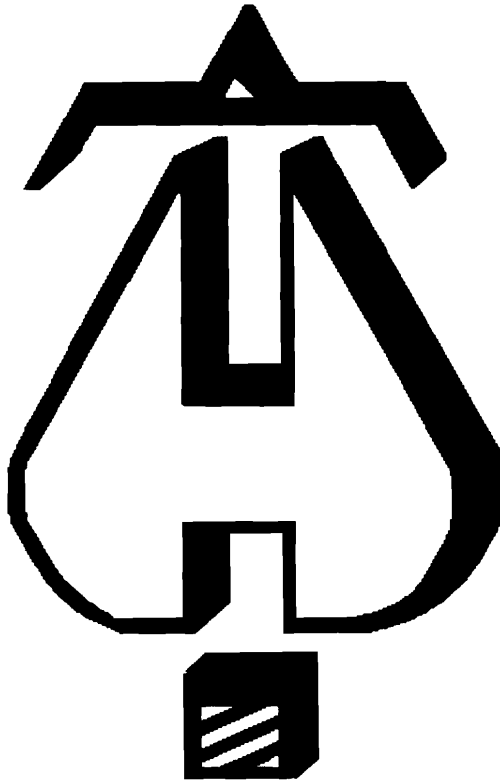
REMARKS

COPY TO

FIL

SIGNED

Daniel R. St. Pierre
[Signature]



... Fire Protection by Computer Design

EASTERN FIRE PROTECTION
P.O. BOX 1390
170 KITTYHAWK AVENUE
AUBURN, MAINE 4210
207-784-1507

Job Name : CAKES EXTRAORDINAIRE CALCULATION
Drawing : 1 OF 1
Location : PINE TREE SHOPPING, BRIGHTON AVENUE, PORTLAND, MAINE
Remote Area :
Contract : AN-4487-09
Data File : 4487CAKESEXTRAORDINAIRE.WXF

HYDRAULIC CALCULATIONS
for

Project name: CAKES EXTRAORDINAIRE CALCULATION
Location: PINE TREE SHOPPING, BRIGHTON AVENUE, PORTLAND, MAINE
Drawing no: 1 OF 1
Date: 11/17/09

Design

Remote area number:
Remote area location: FRONT OF STORE
Occupancy classification: ORDINARY HAZARD GROUP II
Density: .2 - Gpm/SqFt
Area of application: 1089 - SqFt
Coverage per sprinkler: 130 - SqFt
Type of sprinklers calculated: TYCO, TY-FRB, TY-3131, UPRIGHT, 5.6K, 155 DE
No. of sprinklers calculated: 9
In-rack demand: - GPM
Hose streams: 250 - GPM
Total water required (including hose streams): 497.9 - GPM @ 72.9 - Psi
Type of system: WET TREE
Volume of dry or preaction system: - Gal

Water supply information

Date: 5/21/04
Location: AT BRIGHTON AVENUE & CHABOT
Source: PORTLAND WATER DISTRICT

Name of contractor: EASTERN FIRE PROTECTION
Address: P.O. BOX 1390 / 170 KITTYHAWK AVENUE / AUBURN, MAINE 4210
Phone number: 207-784-1507
Name of designer: DRS
Authority having jurisdiction: PORTLAND FIRE DEPARTMENT
Notes: (Include peaking information or gridded systems here.) AREA REDUCED PER NFPA 13 SECTION 11.2.3.2.3.1.

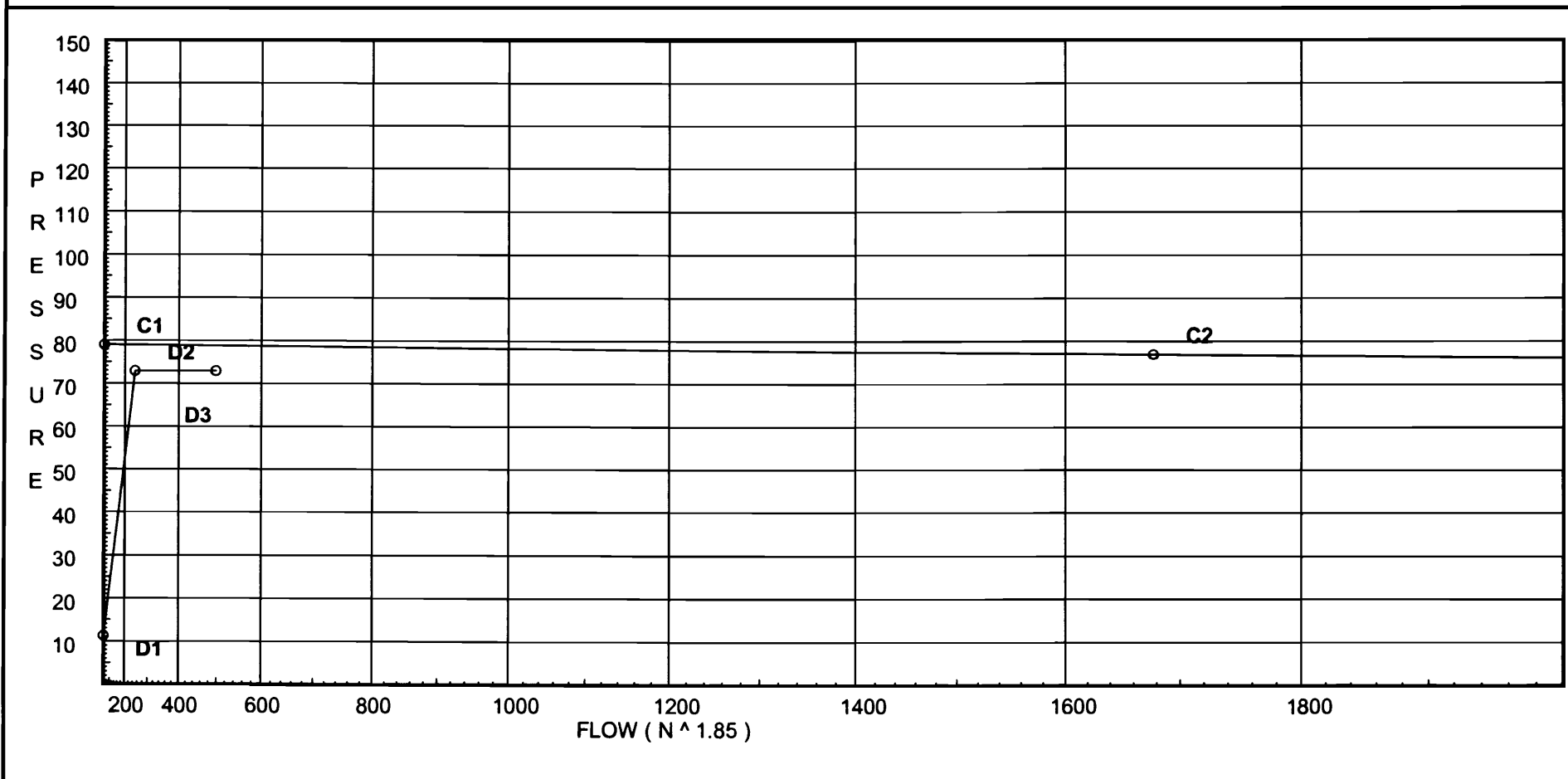
Water Supply Curve (C)

EASTERN FIRE PROTECTION
CAKES EXTRAORDINAIRE CALCULATION

Page 2
Date

City Water Supply:
C1 - Static Pressure : 79
C2 - Residual Pressure: 77
C2 - Residual Flow : 1677

Demand:
D1 - Elevation : 11.295
D2 - System Flow : 247.947
D2 - System Pressure : 72.916
Hose (Adj City) :
Hose (Demand) : 250
D3 - System Demand : 497.947
Safety Margin : 5.873



Fittings Used Summary

EASTERN FIRE PROTECTION
CAKES EXTRAORDINAIRE CALCULATION

Page 3
Date

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	Generic Butterfly Valve	0	0	0	0	0	0	7	10	0	12	9	10	12	19	21	0	0	0	0	0
E	90° Standard Elbow	2	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	Generic Gate Valve	0	0	0	0	0	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
L	Long Turn Elbow	1	1	2	2	2	3	4	5	5	6	8	9	13	16	18	24	27	30	34	40
T	90° Flow thru Tee	3	4	5	6	8	10	12	15	17	20	25	30	35	50	60	71	81	91	101	121
Zcb	Colt C200 Vert Butt	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

SUPPLY ANALYSIS

<i>Node at Source</i>	<i>Static Pressure</i>	<i>Residual Pressure</i>	<i>Flow</i>	<i>Available Pressure</i>	<i>Total Demand</i>	<i>Required Pressure</i>
TEST	79.0	77	1677.0	78.788	497.95	72.916

NODE ANALYSIS

<i>Node Tag</i>	<i>Elevation</i>	<i>Node Type</i>	<i>Pressure at Node</i>	<i>Discharge at Node</i>	<i>Notes</i>
1	101.08	5.6	21.56	26.0	
2	101.08	5.6	23.44	27.11	
3	101.08	5.6	24.58	27.76	
AA	101.08		26.19		
A	99.67		30.05		
4	101.08	5.6	22.09	26.32	
5	101.08	5.6	24.02	27.44	
6	101.08	5.6	25.18	28.1	
BB	101.08		26.82		
B	99.67		30.76		
7	101.08	5.6	23.94	27.4	
8	101.08	5.6	26.02	28.57	
9	101.08	5.6	27.27	29.24	
CC	101.08		29.04		
C	99.67		33.24		
D	99.67		41.86		
DD	97.0		49.16		
E	97.0		49.37		
F	97.0		53.05		
TOR	97.0		53.92		
BFP	90.0		60.06		
BASE	87.0		66.07		
MAIN	80.0		69.58	250.0	
TEST	75.0		72.92		

EASTERN FIRE PROTECTION
CAKES EXTRAORDINAIRE CALCULATIONPage 5
Date

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	*****
1 to 2	101.080 101.080	5.60	26.00 26.0	1 1.049		0.0 0.0 0.0	8.920 0.0 8.920	120 0.2114	21.556 0.0 1.886		Vel = 9.65	
2 to AA	101.080 101.080	5.60	27.11 53.11	1.25 1.38	1T	6.0 0.0 0.0	7.170 6.000 13.170	120 0.2085	23.442 0.0 2.746		Vel = 11.39	
AA			0.0 53.11						26.188		K Factor = 10.38	
3 to AA	101.080 101.080	5.60	27.76 27.76	1 1.049	1T	5.0 0.0 0.0	1.750 5.000 6.750	120 0.2387	24.577 0.0 1.611		Vel = 10.31	
AA to A	101.080 99.670		53.12 80.88	1.25 1.38	1T	6.0 0.0 0.0	1.170 6.000 7.170	120 0.4538	26.188 0.611 3.254		Vel = 17.35	
A to B	99.670 99.670		0.0 80.88	2		0.0 0.0 0.0	13.790 0.0 13.790	120 0.0516	30.053 0.0 0.711		Vel = 7.10	
B			0.0 80.88						30.764		K Factor = 14.58	
4 to 5	101.080 101.080	5.60	26.32 26.32	1 1.049		0.0 0.0 0.0	8.920 0.0 8.920	120 0.2163	22.088 0.0 1.929		Vel = 9.77	
5 to BB	101.080 101.080	5.60	27.44 53.76	1.25 1.38	1T	6.0 0.0 0.0	7.170 6.000 13.170	120 0.2132	24.017 0.0 2.808		Vel = 11.53	
BB			0.0 53.76						26.825		K Factor = 10.38	
6 to BB	101.080 101.080	5.60	28.10 28.1	1 1.049	1T	5.0 0.0 0.0	1.750 5.000 6.750	120 0.2441	25.177 0.0 1.648		Vel = 10.43	
BB to B	101.080 99.670		53.76 81.86	1.25 1.38	1T	6.0 0.0 0.0	1.170 6.000 7.170	120 0.4642	26.825 0.611 3.328		Vel = 17.56	
B to C	99.670 99.670		80.88 162.74	2		0.0 0.0 0.0	13.170 0.0 13.170	120 0.1879	30.764 0.0 2.475		Vel = 14.29	
C			0.0 162.74						33.239		K Factor = 28.23	
7 to 8	101.080 101.080	5.60	27.40 27.4	1 1.049		0.0 0.0 0.0	8.920 0.0 8.920	120 0.2331	23.941 0.0 2.079		Vel = 10.17	
8 to CC	101.080 101.080	5.60	28.57 55.97	1.25 1.38	1T	6.0 0.0 0.0	7.170 6.000 13.170	120 0.2296	26.020 0.0 3.024		Vel = 12.01	
CC			0.0 55.97						29.044		K Factor = 10.39	
9 to CC	101.080 101.080	5.60	29.24 29.24	1 1.049	1T	5.0 0.0 0.0	1.750 5.000 6.750	120 0.2628	27.270 0.0 1.774		Vel = 10.85	

EASTERN FIRE PROTECTION
CAKES EXTRAORDINAIRE CALCULATIONPage 6
Date

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	*****
CC to C	101.080 99.670		55.97 85.21	1.25 1.38	1T 0.0	6.0 6.000	120 0.4999	29.044 0.611			
C to D	99.670 99.670		162.74 247.95	2 2.157	1T 0.0	12.307 12.307	120 0.4096	33.239 0.0	Vel = 18.28		
D to DD	99.670 97		0.0 247.95	2 2.157	1T 0.0	12.307 14.977	120 0.4096	41.864 6.135	Vel = 21.77		
DD to E	97 97		0.0 247.95	4 4.26	1E 0.0	13.167 14.337	120 0.0149	49.155 0.213	Vel = 5.58		
E to F	97 97		0.0 247.95	4 4.26	1Fsp 1B 1T	0.0 15.8 26.334	120 0.0149	49.368 3.000 0.683	* Fixed loss = 3 Vel = 5.58		
F to TOR	97 97		0.0 247.95	4 4.26	1E 1T	13.167 26.334	120 0.0149	53.051 0.0 0.871	Vel = 5.58		
TOR to BFP	97 90		0.0 247.95	4 4.26	1Fsp 0.0	7.000 0.0	120 0.0149	53.922 6.032 0.104	* Fixed loss = 3 Vel = 5.58		
BFP to BASE	90 87		0.0 247.95	4 4.26	1Zcb 0.0	3.000 0.0	120 0.0150	60.058 5.963 0.045	* Fixed loss = 4.664 Vel = 5.58		
BASE to MAIN	87 80		0.0 247.95	6 6.16	1L 1G 1T	12.911 4.304 43.037	200.000 60.252 260.252	140 3.032 0.483	Vel = 2.67		
MAIN to TEST	80 75	H250	250.00 497.95	6 6.16	2L 1G 1T	25.822 4.304 43.037	100.000 73.163 173.163	140 2.166 1.169	Vel = 5.36		
TEST			0.0 497.95					72.916	K Factor = 58.31		