

PERMIT ISSUED

JAN 18 2011

City of Portland

Form # P04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

BU  IATION

PERMIT

Permit Number: 101502

This is to certify that 501 DANFORTH LLC / Eastern Fire Protection, Inc.

has permission to install a water-based fire suppression system

AT 501 DANFORTH ST CB# 070 C002001

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 red-in. 24 HOUR 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. N. [Signature]

Health Dept. _____

Appeal Board _____

Other _____

Department Name

 H18-11

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: 10-1502	Issue Date:	CBL: 070 C002001
-----------------------	-------------	---------------------

Location of Construction: 501 DANFORTH ST (525)	Owner Name: 501 DANFORTH LLC	Owner Address: 53 LISBON ST STE 2400	Phone:
Business Name:	Contractor Name: Eastern Fire Protection Co., Inc.	Contractor Address: 170 Kittyhawk Ave., PO Box 1390 Au	Phone 2077841507
Lessee/Buyer's Name	Phone:	Permit Type: Fire Suppression System	Zone: B-7b

Past Use: Commercial - connected to permit #10-064 New 60' x 100' building	Proposed Use: Commercial - install a water-based fire suppression system	Permit Fee: \$170.00	Cost of Work: \$15,000.00	CEO District: 2
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied *See Conditions	INSPECTION: Use Group: S-1 Type: Sprinkler Signature: [Signature]	

Proposed Project Description:
install a water-based fire suppression system

Signature: [Signature] Signature: [Signature]

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: Approved Approved w/Conditions Denied

Signature: _____ Date: _____

Permit Taken By: Idobson	Date Applied For: 12/08/2010	Zoning Approval
-----------------------------	---------------------------------	------------------------

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. 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..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>OK w/ conditions Date: [Signature]</p>	<p>Zoning Appeal</p> <p><input checked="" type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p>Historic Preservation</p> <p>YES</p> <p><input type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Any exterior work Date: reviewed & separate</p>
	<p>review & approval thru historic preservation</p>		

PERMIT ISSUED

JAN 18 2011

City of Portland

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.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
------------------------	---------	------	-------

BUILDING PERMIT INSPECTION PROCEDURES

**Please call 874-8703 or 874-8693 (ONLY)
or email: buildinginspections@portlandmaine.gov**

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the City of Portland Inspection Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months, if the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a “Stop Work Order” and subsequent release to continue with construction.**

 X **Final inspection required at completion of work.**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

City of Portland, Maine - Building or Use Permit

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

Permit No: 10-1502	Date Applied For: 12/08/2010	CBL: 070 C002001
------------------------------	--	----------------------------

Location of Construction: 501 DANFORTH ST	Owner Name: 501 DANFORTH LLC	Owner Address: 53 LISBON ST STE 2400	Phone:
Business Name:	Contractor Name: Eastern Fire Protection Co., Inc.	Contractor Address: 170 Kittyhawk Ave., PO Box 1390 Au	Phone (207) 784-1507
Lessee/Buyer's Name	Phone:	Permit Type: Fire Suppression System	

Proposed Use: Commercial - install a water-based fire suppression system	Proposed Project Description: install a water-based fire suppression system
--	---

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Ann Machado **Approval Date:** 12/08/2010

Note: **Ok to Issue:**

- 1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
- 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Nicholas Adams **Approval Date:** 01/18/2011

Note: **Ok to Issue:**

- 1) Permit approved based on the plans submitted and reviewed w/owner/contractor, with additional information as agreed on and as noted on plans.
- 2) Separate permits are required for any electrical, plumbing, fire alarm HVAC systems, heating appliances, including pellet/wood stoves, commercial kitchen exhaust hood systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
- 3) ANY exterior work requires separate review and approval thru Historic Preservation
- 4) 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:** 01/11/2011

Note: **Ok to Issue:**

- 1) Sprinkler protection shall be maintained.
Where the system is to be shut down for maintenance or repair, the system shall be checked at the end of each day to insure the system has been placed back in service.
- 2) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance.
Compliance letters are required.
- 3) Buildings with a Fire Alarm or sprinkler system require a Knox Box to be installed per city ordinance
- 4) The sprinkler system shall be installed in accordance with NFPA 13.
- 5) Application requires State Fire Marshal approval.
- 6) System acceptance and commissioning must be co-ordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.
- 7) The Fire Department will require knox locking caps on all Fire Department Connections on the exterior of the building.
- 8) Fire department connection type and location shall be approved in writing by fire prevention bureau.

PERMIT ISSUED

JAN 18 2011

City of Portland

Location of Construction: 501 DANFORTH ST	Owner Name: 501 DANFORTH LLC	Owner Address: 53 LISBON ST STE 2400	Phone:
Business Name:	Contractor Name: Eastern Fire Protection Co., Inc.	Contractor Address: 170 Kittyhawk Ave., PO Box 1390 Au	Phone (207) 784-1507
Lessee/Buyer's Name	Phone:	Permit Type: Fire Suppression System	

PERMIT ISSUED

JAN 18 2011

City of Portland



Water-Based 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: 501 Danforth Street CBL: 47. A. 13

Exact location: (within structure) _____

Type of occupancy(s) (NFPA & ICC): Ordinary Hazard Group I

Building owner: _____

Managing Supervisor (RMS): William Flynt License No: 368

Supervisor phone: 207-784-1507 E-mail: flyntwa@teameastern.com

Installing contractor: Eastern Fire Protection License No: 101

Contractor phone: 207-784-1507 E-mail: dussaultgr@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 this system is designed to: NFPA13 Edition: 2010

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

Download a new copy of this document from www.portlandmaine.gov/fire for every submittal. Attach all working documents and complete approved submittals as may be required by the State Fire Marshal's Office on 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.

COST OF WORK: \$15,000

PERMIT FEE: \$170.00

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

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).

Applicant signature: [Signature] Date: 12-2-10



EASTERN FIRE PROTECTION

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

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

LETTER OF TRANSMITTAL

DATE	12-2-10	JOB NO.	AU-4649-10
ATTENTION	SCOTT BARRE LANNIE		
RE:	DOBSON		
501 DANFORTH ST.			

TO CITY OF PORTLAND
389 CONGRESS ST., RM 315
PORTLAND, ME 04101

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

- Shop drawings Descriptive data Hydraulic calculations
 Copy of letter Literature _____

QUANTITY	DRAWING NO.	DATE	DESCRIPTION	STATUS
1	1 OF 1	12-1	FIRE SPRINKLER PLAN 30x42	C
1	1 OF 1	12-1	" " 11x17	C
1			HYDRAULIC CALCULATIONS	C
1			PERMIT APPLICATION	E
1			CHECK FOR \$170.00	E

Status code

- A. Approved
- B. Approved as noted
- C. Submitted for approval
- D. Corrected & resubmitted
- E. For your files
- F. Refer to remarks

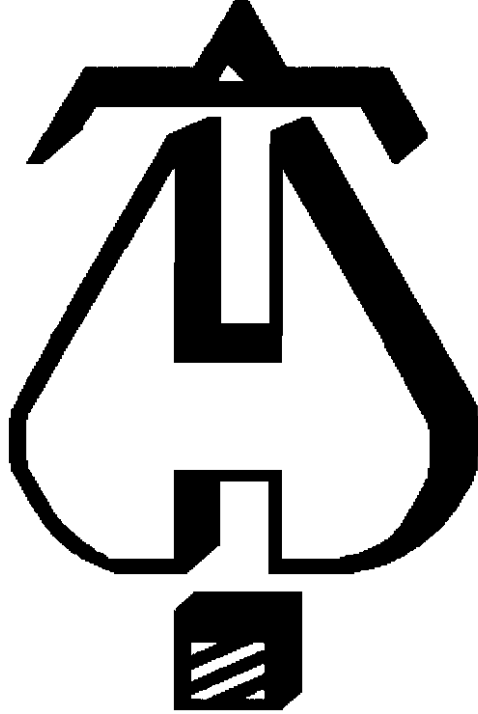
Please return 1 ~~copies each~~ indicating your approval and/or comments.

PERMIT

REMARKS _____

COPY TO _____

SIGNED [Signature]



. . . Fire Protection by Computer Design

EASTERN FIRE PROTECTION
170 KITTY HAWK AVE
AUBURN, ME 04210
207-784-1507

Job Name : AU-4649-10 501 DANFORTH ST PORTLAND ME
Drawing : 1 OF 1
Location : PORTLAND, ME
Remote Area : AREA#1
Contract : AU-4649-10
Data File : AU-4649-10 501 DANFORTH ST PORTLAND ME AREA 1.wxf

HYDRAULIC CALCULATIONS
for

Project name: 501 DANFORTH ST
Location: PORTLAND, ME
Drawing no: 1 OF 1
Date: 12-1-10

Design

Remote area number: AREA#1
Remote area location: VEHICLE STORAGE
Occupancy classification: ORDINARY GROUP I
Density: .15 - Gpm/SqFt
Area of application: 2043 - SqFt
Coverage per sprinkler: 130 - SqFt
Type of sprinklers calculated: TYCO TY-B UPRIGHT K5.6
No. of sprinklers calculated: 17
In-rack demand: - GPM
Hose streams: 250 - GPM
Total water required (including hose streams): 670.62 - GPM @ 53.25 - Psi
Type of system:
Volume of dry or preaction system: 118 - Gal

Water supply information

Date: 8-6-2007
Location: SEE PLOT PLAN
Source: PORTLAND WATER DISTRICT

Name of contractor: EASTERN FIRE PROTECTION
Address: 170 KITTY HAWK AVE / / AUBURN, ME 04210
Phone number: 207-784-1507
Name of designer: GRD
Authority having jurisdiction: STATE FIRE MARSHAL
Notes: (include peaking information or gridded systems here.)

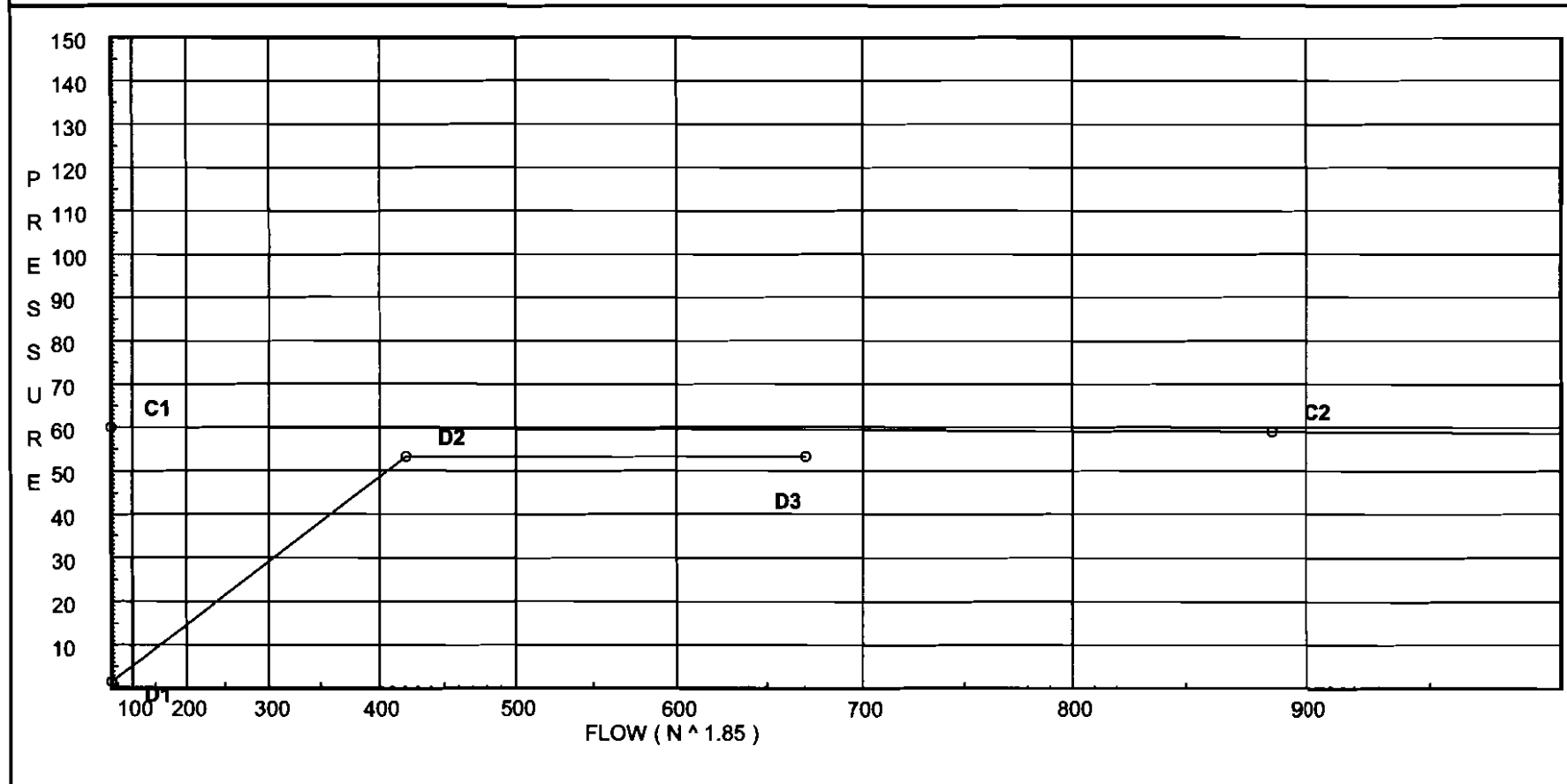
Water Supply Curve (C)

EASTERN FIRE PROTECTION
AU-4649-10 501 DANFORTH ST PORTLAND ME

Page 2
Date

City Water Supply:
C1 - Static Pressure : 60
C2 - Residual Pressure: 59
C2 - Residual Flow : 886

Demand:
D1 - Elevation : 1.516
D2 - System Flow : 420.618
D2 - System Pressure : 53.248
Hose (Demand) : 250
D3 - System Demand : 670.618
Safety Margin : 6.155



Fittings Used Summary

EASTERN FIRE PROTECTION
 AU-4649-10 501 DANFORTH ST PORTLAND ME

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	NFPA 13 Butterfly Valve	0	0	0	0	0	6	7	10	0	12	9	10	12	19	21	0	0	0	0	0
D	Dry Rel D										28		47								
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	1	2	2	3	4	5	6	7	8	10	11	13
I	90' Grvd-Vic Elbow #10	0	0	2	3	4	3.5	6	5	8	7	8.5	10	13	17	20	23	25	33	36	40
S	NFPA 13 Swing Check Valve	4	5	5	7	9	11	14	16	19	22	27	32	45	55	65	76	87	98	109	130
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

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.

SUPPLY ANALYSIS

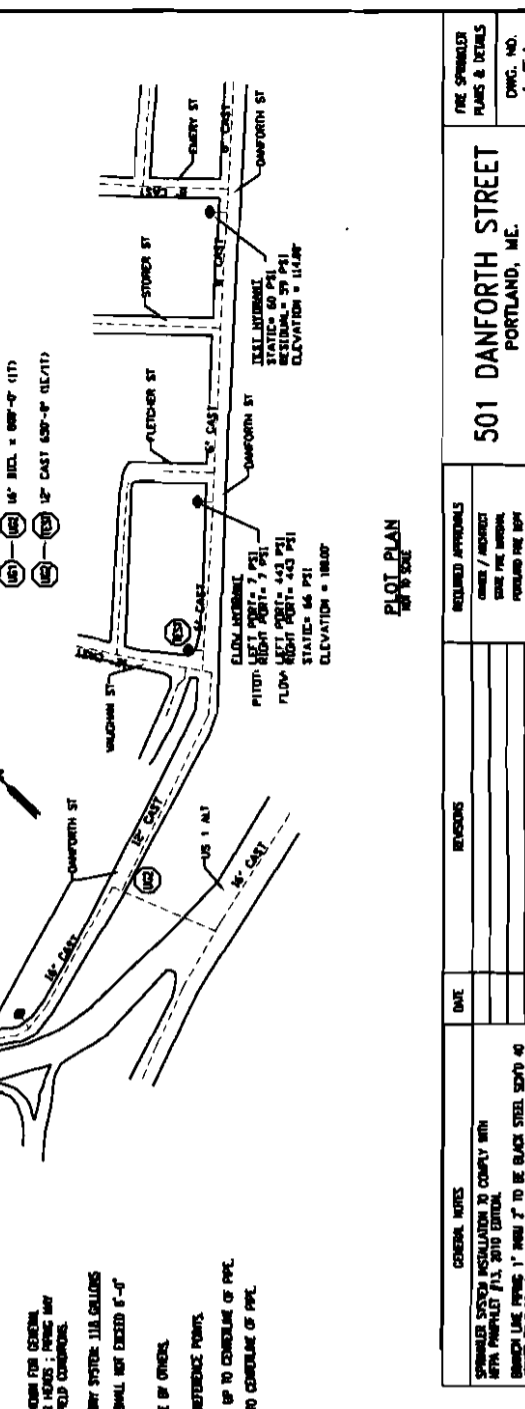
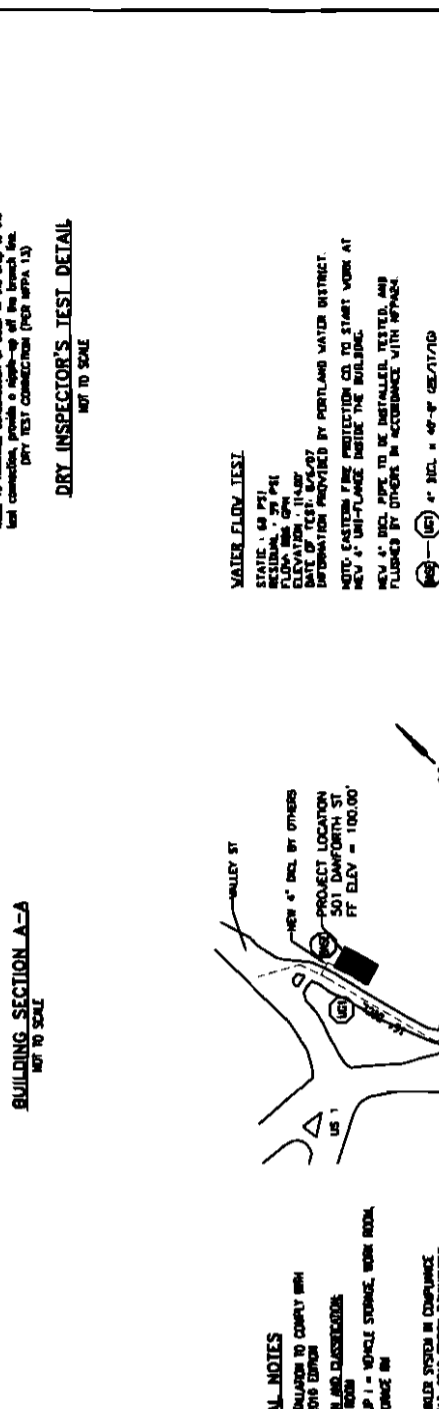
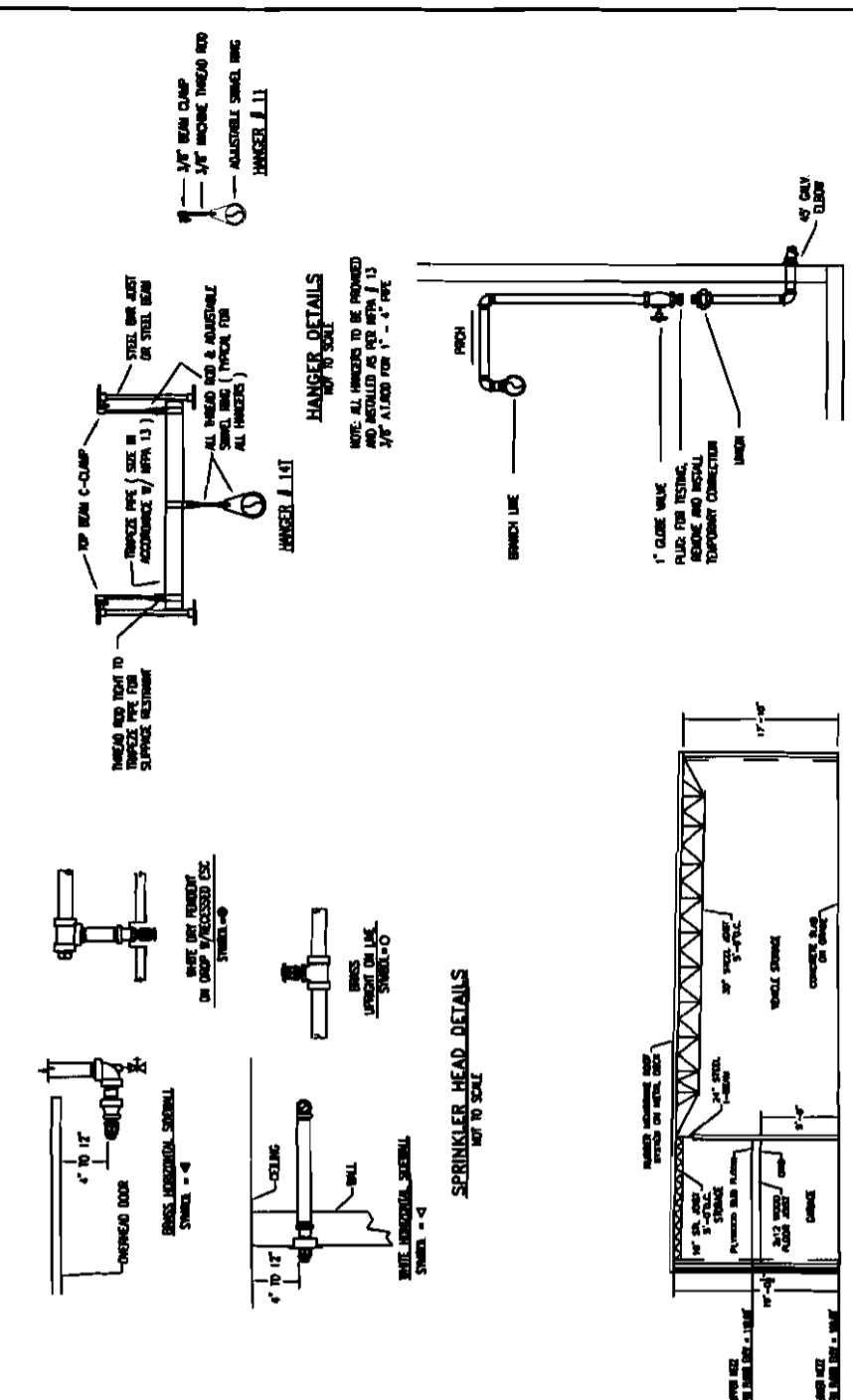
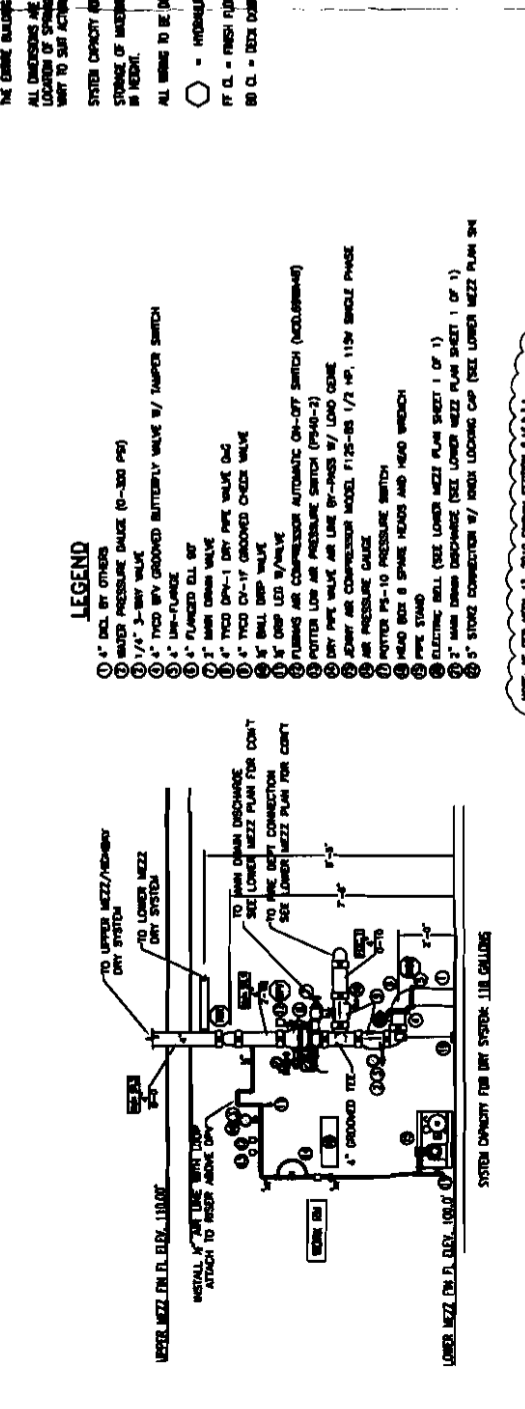
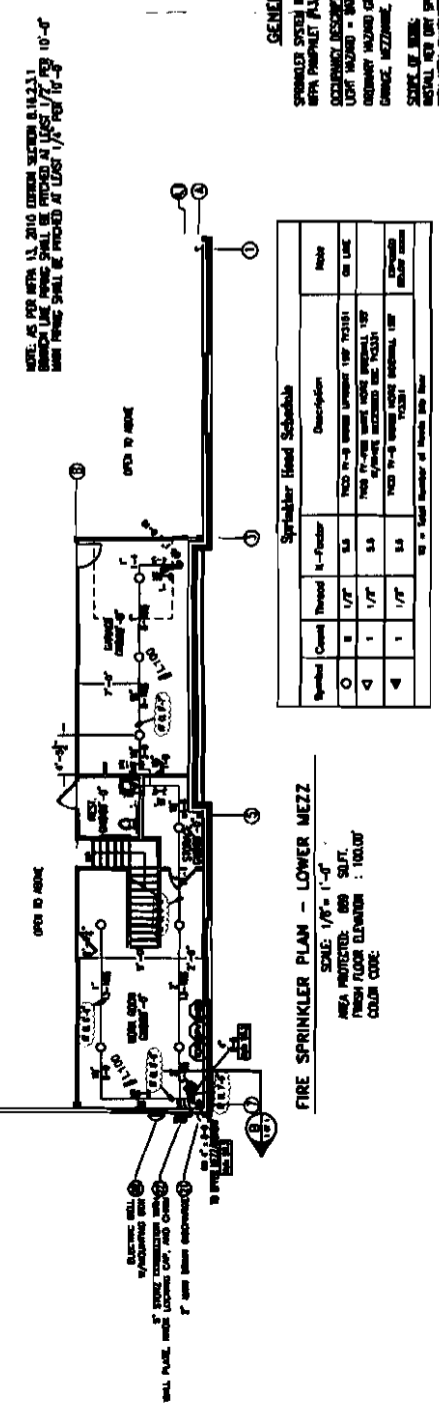
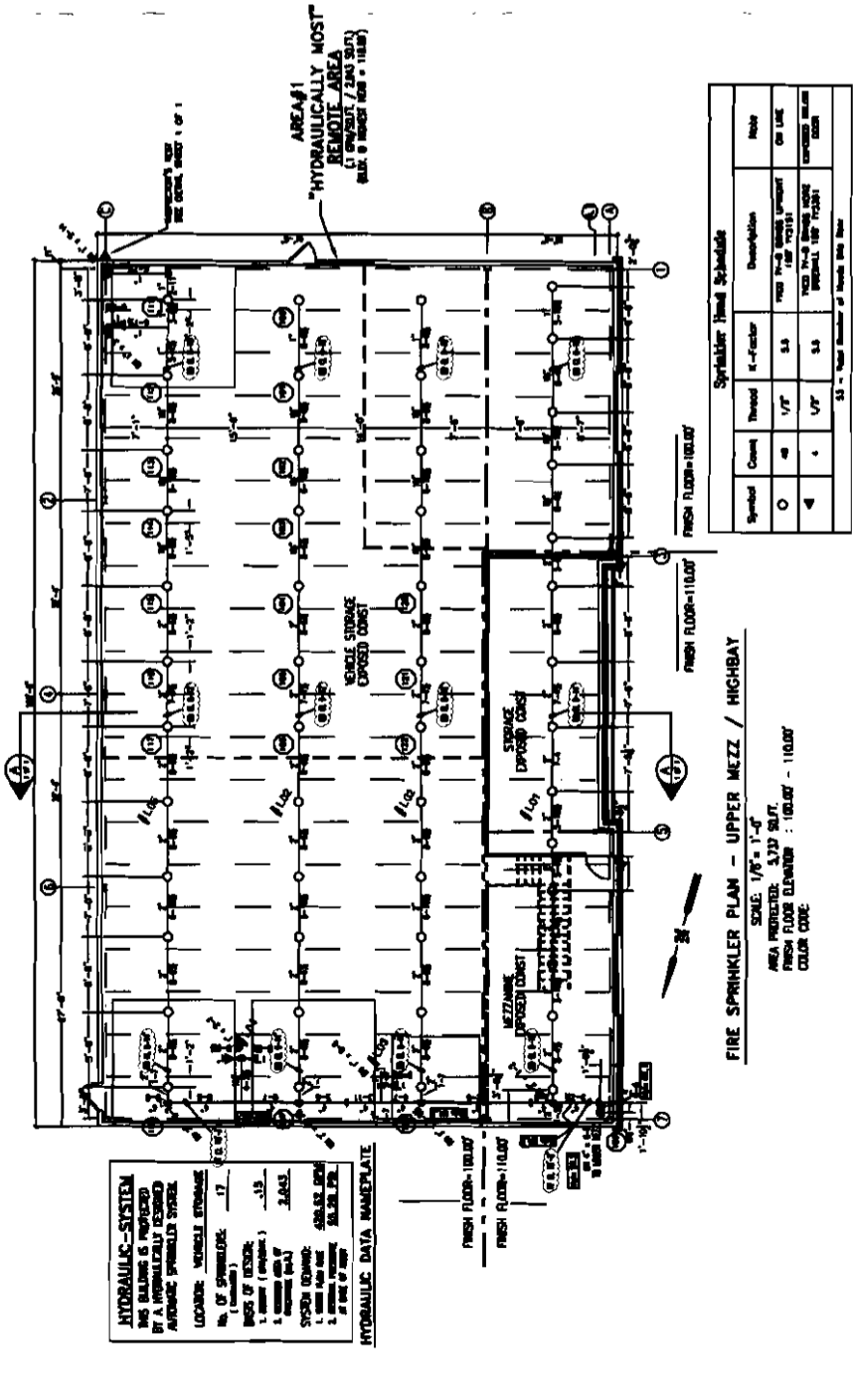
Node at Source	Static Pressure	Residual Pressure	Flow	Available Pressure	Total Demand	Required Pressure
TEST	60.0	59	886.0	59.403	670.62	53.248

NODE ANALYSIS

Node Tag	Elevation	Node Type	Pressure at Node	Discharge at Node	Notes
100	117.5	5.6	12.13	19.5	
101	117.5	5.6	13.63	20.68	
102	117.5	5.6	15.14	21.79	
103	117.5	5.6	16.43	22.7	
104	117.5	5.6	19.26	24.58	
105	117.5	5.6	20.61	25.42	
106	117.5	5.6	22.32	26.46	
107	116.0		40.64		
108	116.0		41.11		
109	116.0		42.3		
TOR	108.0		47.18		
DPV	105.0		48.64		
BASE	100.0		55.28		
UG1	100.0		58.9	250.0	
UG2	100.0		59.0		
TEST	114.0		53.25		
111	117.0	5.6	12.19	19.55	
112	117.0	5.6	13.7	20.73	
113	117.0	5.6	15.22	21.85	
114	117.0	5.6	16.51	22.76	
115	117.0	5.6	19.36	24.64	
116	117.0	5.6	20.71	25.48	
117	117.0	5.6	22.43	26.52	
118	117.0		40.06		
120	118.0	5.6	33.76	32.54	
121	118.0	5.6	33.9	32.61	
122	118.0	5.6	34.35	32.82	

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	*****
100 to 101	117.500 117.500	5.60	19.50 19.5	1 1.049		0.0 0.0	8.670 0.0	100 0.1740	12.125 0.0			
						0.0	8.670		1.509	Vel =	7.24	
101 to 102	117.500 117.500	5.60	20.68 40.18	1.25 1.38		0.0 0.0	8.670 8.670	100 0.1743	13.634 0.0			
						0.0	8.670		1.511	Vel =	8.62	
102 to 103	117.500 117.500	5.60	21.79 61.97	1.5 1.61		0.0 0.0	7.000 7.000	100 0.1834	15.145 0.0			
						0.0	7.000		1.284	Vel =	9.77	
103 to 104	117.500 117.500	5.60	22.70 84.67	1.5 1.61		0.0 0.0	8.670 8.670	100 0.3268	16.429 0.0			
						0.0	8.670		2.833	Vel =	13.34	
104 to 105	117.500 117.500	5.60	24.58 109.25	2 2.067		0.0 0.0	8.670 8.670	100 0.1550	19.262 0.0			
						0.0	8.670		1.344	Vel =	10.45	
105 to 106	117.500 117.500	5.60	25.42 134.67	2 2.067		0.0 0.0	7.500 7.500	100 0.2283	20.606 0.0			
						0.0	7.500		1.712	Vel =	12.88	
106 to 107	117.500 116	5.60	26.45 161.12	2 2.067	1E 1T	3.568 7.137	44.833 10.705	100 0.3182	22.318 0.650			
						0.0	55.538		17.671	Vel =	15.40	
107 to 108	116 116		161.53 322.65	4 4.26		0.0 0.0	14.000 0.0	100 0.0340	40.639 0.0			
						0.0	14.000		0.476	Vel =	7.26	
108 to 109	116 116		0.0 322.65	4 4.26	2I	13.156 0.0	21.625 13.157	100 0.0340	41.115 0.0			
						0.0	34.782		1.181	Vel =	7.26	
109 to TOR	116 108		97.97 420.62	4 4.26	2I	13.156 0.0	12.333 13.157	100 0.0555	42.296 3.465			
						0.0	25.490		1.414	Vel =	9.47	
TOR to DPV	108 105		0.0 420.62	4 4.26		0.0 0.0	3.000 0.0	100 0.0557	47.175 1.299			
						0.0	3.000		0.167	Vel =	9.47	
DPV to BASE	105 100		0.0 420.62	4 4.26	1D 2E 1S 1B	36.868 26.334 28.968 15.8	5.000 107.970 112.970	120 0.0396	48.641 2.166 4.472			
										Vel =	9.47	
BASE to UG1	100 100		0.0 420.62	4 4.1	2E 1T 1G	29.067 29.067 2.907	40.000 61.041 101.041	140 0.0359	55.279 0.0 3.625			
										Vel =	10.22	
UG1 to UG2	100 100	H250	250.00 670.62	16 16.41	1T	166.859 0.0	800.000 166.860	140 0.0001	58.904 0.0			
						0.0	966.860		0.095	Vel =	1.02	
UG2 to TEST	100 114		0.0 670.62	12 12.34	1E 1T	42.195 93.767	650.000 135.962	140 0.0004	58.999 -6.063			
						0.0	785.962		0.312	Vel =	1.80	
TEST			0.0 670.62						53.248	K Factor =	91.90	

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqv.	Ln.	Pipe Fng's Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
111 to 112	117 117	5.60	19.55 19.55	1 1.049		0.0 0.0	8.670 0.0	100 0.1749	12.188 0.0 1.516		Vel = 7.26	
112 to 113	117 117	5.60	20.73 40.28	1.25 1.38		0.0 0.0	8.670 0.0	100 0.1752	13.704 0.0 1.519		Vel = 8.64	
113 to 114	117 117	5.60	21.85 62.13	1.5 1.61		0.0 0.0	7.000 0.0	100 0.1843	15.223 0.0 1.290		Vel = 9.79	
114 to 115	117 117	5.60	22.76 84.89	1.5 1.61		0.0 0.0	8.670 0.0	100 0.3283	16.513 0.0 2.846		Vel = 13.38	
115 to 116	117 117	5.60	24.64 109.53	2 2.067		0.0 0.0	8.670 0.0	100 0.1558	19.359 0.0 1.351		Vel = 10.47	
116 to 117	117 117	5.60	25.48 135.01	2 2.067		0.0 0.0	7.500 0.0	100 0.2293	20.710 0.0 1.720		Vel = 12.91	
117 to 118	117 117	5.60	26.52 161.53	2 2.067	1E 1T	3.568 7.137	44.458 10.705	100	22.430 0.0		Vel = 15.44	
118 to 107	117 116		0.0 161.53	4 4.26		0.0 0.0	15.000 0.0	100 0.0095	40.064 0.433 0.142		Vel = 3.64	
107			0.0 161.53						40.639		K Factor = 25.34	
120 to 121	118 118	5.60	32.54 32.54	2 2.067		0.0 0.0	8.670 0.0	100 0.0165	33.759 0.0 0.143		Vel = 3.11	
121 to 122	118 118	5.60	32.60 65.14	2 2.067		0.0 0.0	7.500 0.0	100 0.0596	33.902 0.0 0.447		Vel = 6.23	
122 to 109	118 116	5.60	32.82 97.96	2 2.067	1T 1E	7.137 3.568	45.167 10.705	100	34.349 0.866		Vel = 9.37	
109			0.0 97.96						7.081		K Factor = 15.06	



HYDRAULIC DATA NAMEPLATE

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM.

LOADING VEHICLE STORAGE	17
NO. OF SPRINKLERS	13
BASE OF DESIGN	3.63
SYSTEM DESIGNER	ASB&S
DATE	02.28.10
BY	ASB&S

Sprinkler Head Schedule

Symbol	Count	Thread	Description	Notes
○	48	1/2"	TKC 110-8 WIDE SPACED 110-8	ON LINE
◐	1	1/2"	TKC 110-8 WIDE SPACED 110-8	CONNECTION TO MAIN RISER
◑	1	1/2"	TKC 110-8 WIDE SPACED 110-8	CONNECTION TO MAIN RISER

Sprinkler Head Schedule

Symbol	Count	Thread	Description	Notes
○	8	1/2"	TKC 110-8 WIDE SPACED 110-8	ON LINE
◐	1	1/2"	TKC 110-8 WIDE SPACED 110-8	CONNECTION TO MAIN RISER
◑	1	1/2"	TKC 110-8 WIDE SPACED 110-8	CONNECTION TO MAIN RISER

LEGEND

- ① 4" DCL BY OTHERS
- ② WATER PRESSURE GAUGE (0-300 PSI)
- ③ 1/4" 3-WAY VALVE
- ④ 4" TYCO 8V GROUNDED BUTTERFLY VALVE W/ TAMPER SWITCH
- ⑤ 4" LINE-FLANGE
- ⑥ 4" FLANGED BALL CP
- ⑦ 3" MAIN DRAIN VALVE
- ⑧ 4" TYCO 8V-1 DRY PIPE VALVE (DCL)
- ⑨ 4" TYCO 8V-17 GROUNDED CHECK VALVE
- ⑩ 3" BALL DRIP VALVE
- ⑪ 3" DRIP LED W/ VALVE
- ⑫ PUMPING AIR COMPRESSOR AUTOMATIC ON-OFF SWITCH (MCL-APR-40)
- ⑬ PORTER LOW AIR PRESSURE SWITCH (P-140-2)
- ⑭ DRY PIPE VALVE AIR LINE BR-PASS W/ LOAD CODE
- ⑮ JERRY AIR COMPRESSOR MODEL F125-05 1/2 HP, 115V SINGLE PHASE
- ⑯ AIR PRESSURE GAUGE
- ⑰ PORTER PS-10 PRESSURE SWITCH
- ⑱ HEAD BOX & SPARE HEADS AND HEAD WRENCH
- ⑳ PIPE STAND
- ㉑ ELECTRIC BELL (SEE LOWER MEZZ PLAN SHEET 1 OF 1)
- ㉒ 2" MAIN DRAIN DISCHARGE (SEE LOWER MEZZ PLAN SHEET 1 OF 1)
- ㉓ 5" STORAGE CONNECTION W/ LOCKING CAP (SEE LOWER MEZZ PLAN SHEET 1 OF 1)

SPRINKLER SYSTEM ENTRANCE SECTION 'B'

NOT TO SCALE

501 DANFORTH STREET
 PORTLAND, ME.

EASTERN FIRE PROTECTION
 CONTRACT WITH DIMS & HANSON
 AUBURN/LEWISTON INDUSTRIAL AIRPARK, AUBURN, MAINE 04210

FIRE SPRINKLER PLANS & DETAILS
 DWG. NO. 1 OF 1
 JOB NUMBER AU-609-10
 SCALE AS NOTED
 DATE 12/1/10

REQUIRED APPROVALS

OWNER / ARCHITECT	DATE
OWNER / ENGINEER	
PERMITTED BY CITY	

DATE

REVISIONS

NO.	DESCRIPTION	DATE
-----	-------------	------

GENERAL NOTES

SPRINKLER SYSTEM INSULATION TO COMPLY WITH NFPA PARAGRAPH 11.3.10.3.2010 EDITION.

BRANCH LINE PIPING 1" SHALL BE BLACK STEEL SCH 40 JOINTS BY FUSED OR BUTT WELDED JOINTS BY MECHANICAL JOINTS.

MAIN PIPING 2" AND LARGER TO BE BLACK STEEL SCH 40 W/ COUPLERS, UNIONS & WELDED JOINTS JOINTS BY MECHANICAL JOINTS.

CONNECTION TO PUMPING COMPRESSOR SHALL BE AT MAIN ENTRANCE AND SHALL BE BY MECHANICAL JOINTS.

PROTECTION OF WATER FILLED SPRINKLER PIPING AND EQUIPMENT. (SEE 11.3.10.3.2010)

WATER FLOW TEST

STATE: ME PSI
 RESIDUAL: 20 PSI
 ELEVATION: 115.07
 DATE OF TEST: 04/07
 INFORMATION PROVIDED BY PORTLAND WATER DISTRICT.

NOTE: EASTERN FIRE PROTECTION CO. TO START WORK AT NEW 4" LINE-FLANGE INSIDE THE BUILDING.

NEW 4" DCL PIPE TO BE INSTALLED, TESTED, AND FLANGED BY OTHERS IN ACCORDANCE WITH NFPA 24.

④ 4" DCL x 40'-0" 02/17/10
 ⑤ 16" DCL x 08'-0" 01/17
 ⑥ 12" CAST 630-P 02/17/10

DRY INSPECTOR'S TEST DETAIL

NOT TO SCALE

Note: To minimize contamination of water in the dry pipe in the test connection, permit a 1/8" gap at the test connection. DRY TEST CONNECTION (FOR NFPA 11.3).

HANGER DETAILS

NOT TO SCALE

NOTE: ALL HANGERS TO BE PROVIDED AND INSTALLED AS PER NFPA 11.3.10.3.2010. 1/2" ALLOWED FOR 1" - 4" PIPE.

SPRINKLER HEAD DETAILS

NOT TO SCALE

BUILDING SECTION A-A

NOT TO SCALE

PLOT PLAN

NOT TO SCALE