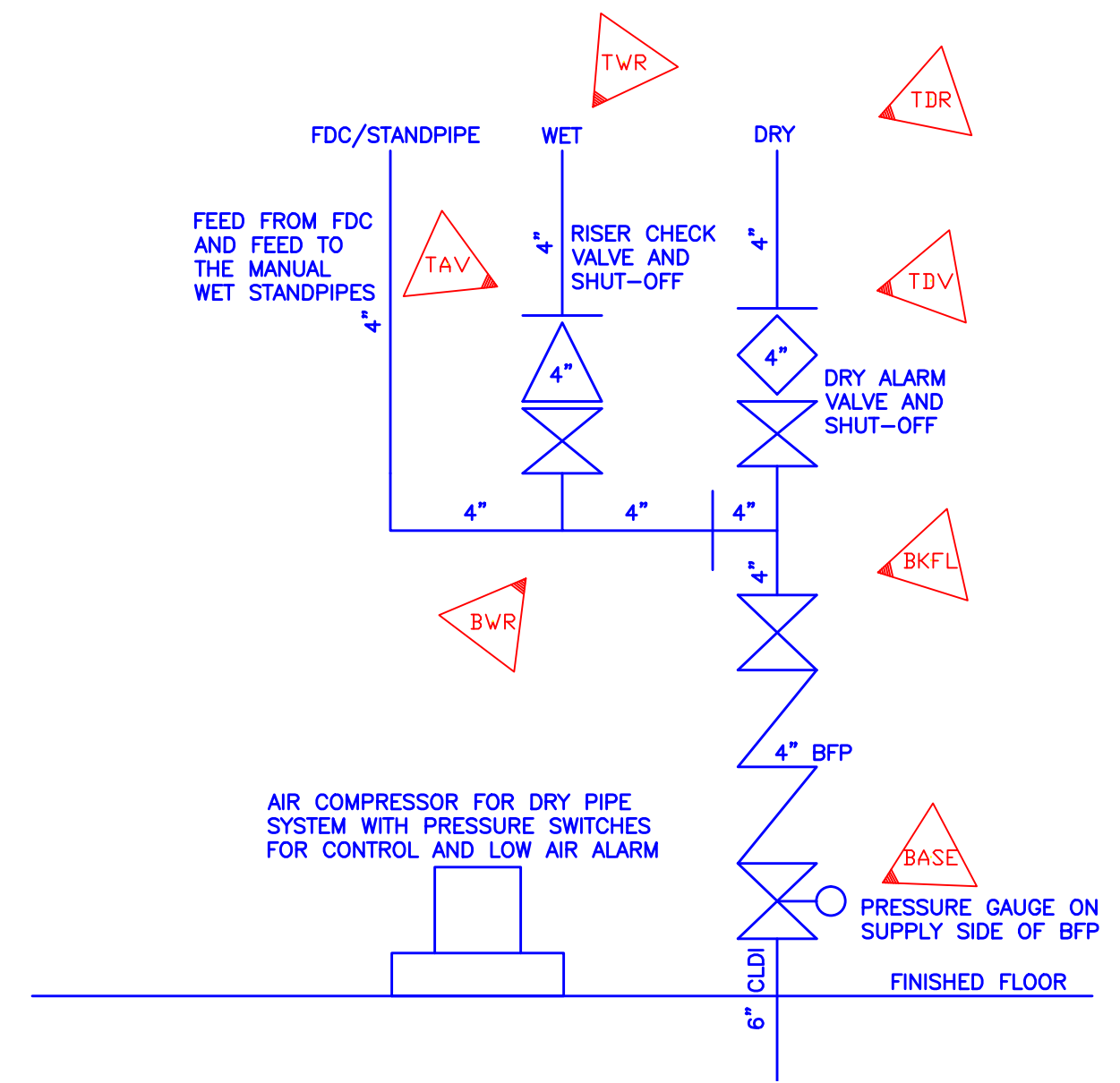
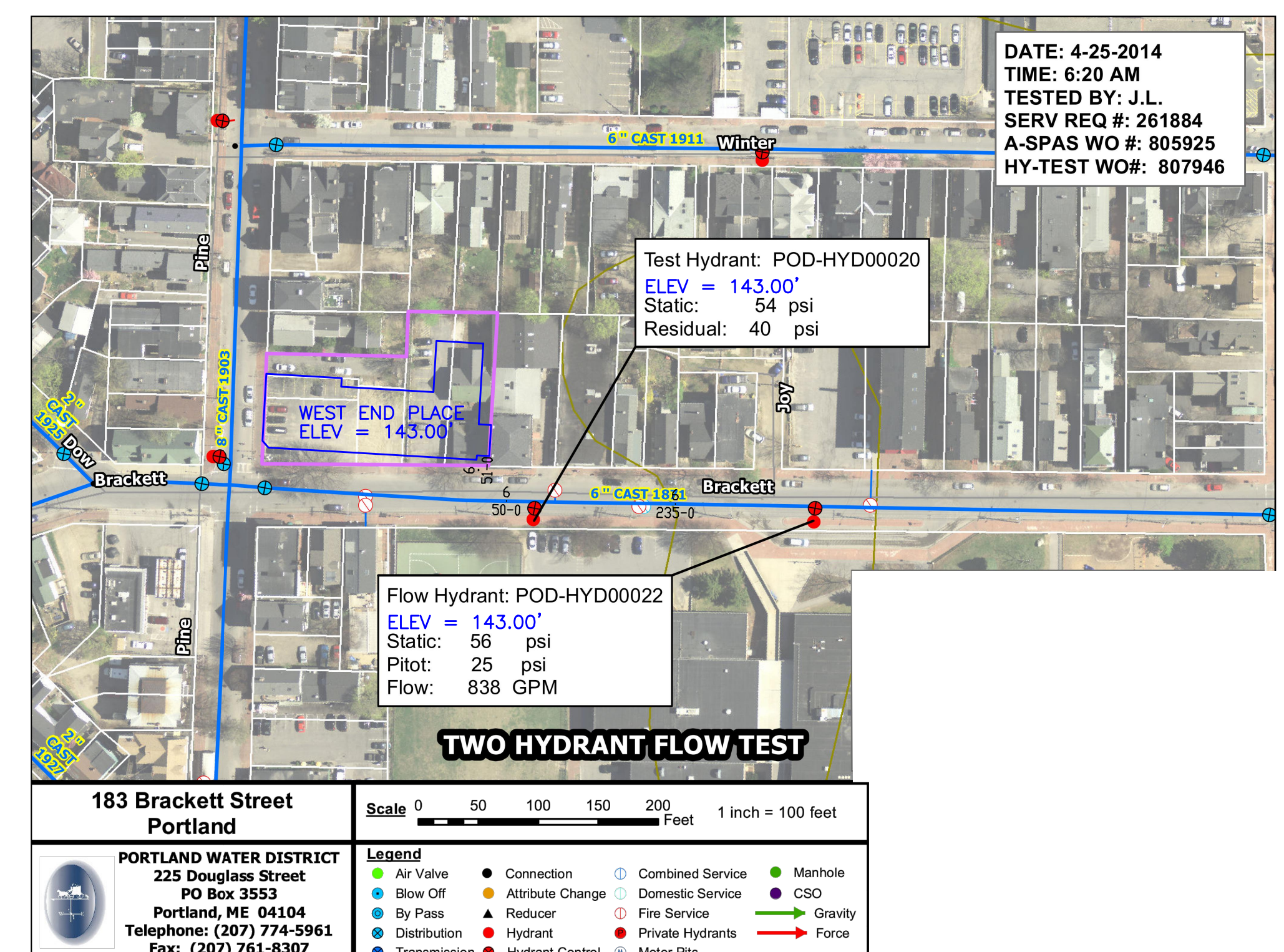


**FIRST LEVEL PLAN**  
FINISHED FLOOR ELEV. = 143'-0"  
SCALE: 1/8"=1'-0"



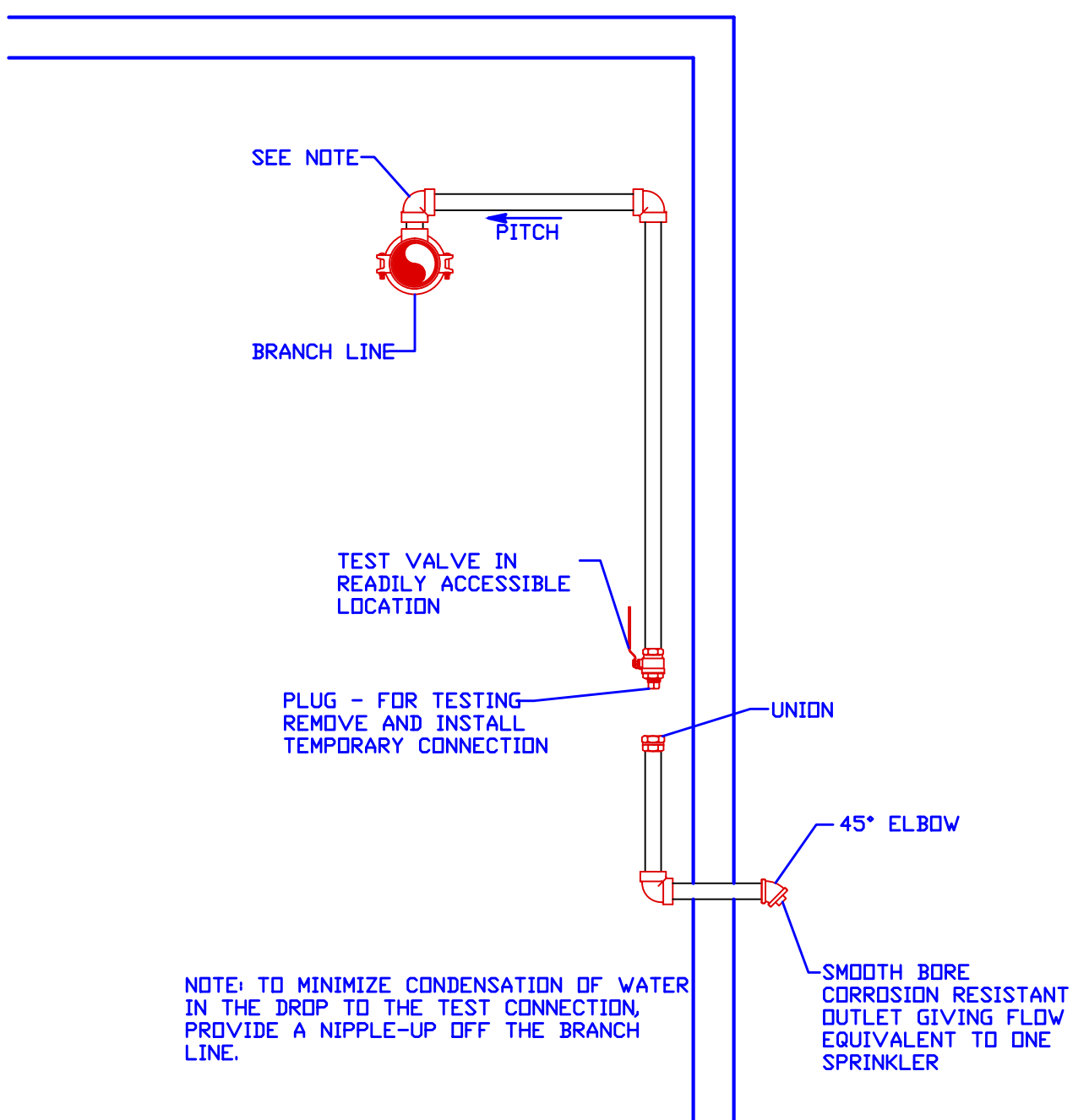
**ELEVATION OF SPRINKLER RISER**  
SCALE: 1/2"=1'-0"



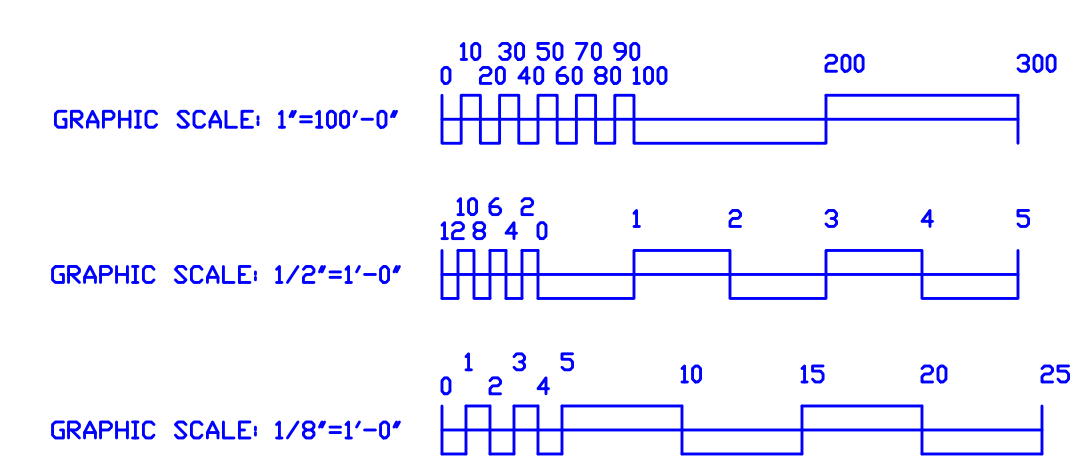
**183 Brackett Street**  
Portland  
PORTLAND WATER DISTRICT  
225 Douglas Street  
PO Box 3553  
Portland, ME 04104  
Telephone: (207) 774-5961  
Fax: (207) 793-8307

**SITE PLAN**  
SCALE: 1"=100'-0"

WET SYSTEM AREA-1	DRY SYSTEM AREA-1	DRY SYSTEM AREA-2
<b>HYDRAULIC DATA NAMEPLATE</b>	<b>HYDRAULIC DATA NAMEPLATE</b>	<b>HYDRAULIC DATA NAMEPLATE</b>
This Building is protected by a hydraulically designed Automatic Sprinkler System	This Building is protected by a hydraulically designed Automatic Sprinkler System	This Building is protected by a hydraulically designed Automatic Sprinkler System
Location <u>RETAIL 103</u>	Location <u>AREA-1</u>	Location <u>AREA-2</u>
No. of Sprinkler <u>11</u>	No. of Sprinkler <u>17</u>	No. of Sprinkler <u>16</u>
Basis of design	Basis of design	Basis of design
1. Density <u>.20 gpm/sqft</u>	1. Density <u>.15 gpm/sqft</u>	1. Density <u>.15 gpm/sqft</u>
2. Design area of discharge <u>900 sqft</u>	2. Design area of discharge <u>1,950 sqft</u>	2. Design area of discharge <u>1,950 sqft</u>
System Demand	System Demand	System Demand
1. Water Flow Rate	1. Water Flow Rate	1. Water Flow Rate
@ Base <u>258.36 gpm</u>	@ Base <u>380.05 gpm</u>	@ Base <u>358.02 gpm</u>
2. Residual Pressure	2. Residual Pressure	2. Residual Pressure
@ Base <u>38.406 psi</u>	@ Base <u>36.017 psi</u>	@ Base <u>35.814 psi</u>
Cushion: <u>XX psi</u>	Cushion: <u>8.67 psi</u>	Cushion: <u>9.44 psi</u>
NOT MOST REMOTE AREA	MOST REMOTE AREA	NOT MOST REMOTE AREA
GROSS AREA SQFT. <u>48,400</u>		



**INSPECTOR'S TEST CONNECTION DETAIL**  
SCALE: NONE



<p>NORTH</p>	<p><b>TYPICAL HANGER</b></p> <p>1 - ALL THREAD ROD 1 - RING 1 - TOP BEAM CLAMP</p>	<p><b>TYPICAL HANGER</b></p> <p>1 - 2" Sch 40 Black Steel Pipe (Length = A+4") 1 - 3/8" x 4" All Thread Rod 1 - 3/8" Top Beam Clamp</p>	<p><b>TYPICAL HANGER</b></p> <p>1 - ALL THREAD ROD 1 - RING 1 - HILTI SHIELD</p>	<p><b>TYPICAL HANGER</b></p> <p>1 - ALL THREAD ROD 1 - HILTI SHIELD 1 - EYE SOCKET 1 - 1/2" BOLT</p>	<p><b>HANGERS</b></p> <p>AS SHOWN</p>	<p><b>ABBREVIATIONS</b></p> <p>B Bottom of Beam D Bottom of Deck P Pipe N.A.C. Nipple and Cap N.C. Not in Contract N.T.S. Not to Scale O.S. Open Star Studs P.R.V. Pressure Red Valve R.M. Roof Manifold R.P. Roof Standpipe T.O.B. Top of Beam T.O.P. Top of Pipe T.O.S. Top of Slab U.S. Unless Otherwise Noted C.L. Centerline N.A.S. No Automatic Sprinklers O.T.A. Open to Above</p>	<p><b>CONTRACT RESPONSIBILITIES</b></p> <table border="1"> <tr> <th>ITEM</th> <th>FPC</th> <th>OTHERS</th> </tr> <tr> <td>STREET CONN.</td> <td></td> <td></td> </tr> <tr> <td>EXCAVATION</td> <td></td> <td></td> </tr> <tr> <td>FLUSHING</td> <td></td> <td></td> </tr> <tr> <td>WIRING</td> <td></td> <td></td> </tr> <tr> <td>PAINTING</td> <td></td> <td></td> </tr> <tr> <td>TAMPERS SYSTEMS</td> <td></td> <td></td> </tr> <tr> <td>FLOW SWITCHES</td> <td></td> <td></td> </tr> <tr> <td>STREET CONN.</td> <td></td> <td></td> </tr> </table>	ITEM	FPC	OTHERS	STREET CONN.			EXCAVATION			FLUSHING			WIRING			PAINTING			TAMPERS SYSTEMS			FLOW SWITCHES			STREET CONN.			<p><b>SPRINKLER HEAD LEGEND</b></p> <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>MAKE</th> <th>MODEL</th> <th>SIN</th> <th>FINISH</th> <th>TYPE</th> <th>TEMP</th> <th>NPT</th> <th>DRIFICE</th> <th>K-FACTOR</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>○</td> <td>RELIABLE</td> <td>F1FR56</td> <td>RA4485</td> <td>WHITE</td> <td>UPRIGHT</td> <td>155 F</td> <td>1/2"</td> <td>1/2"</td> <td>5.6</td> <td>78</td> </tr> <tr> <td>○</td> <td>RELIABLE</td> <td>F1FR56</td> <td>RA4414</td> <td>WHITE</td> <td>NECESSARY PENDENT</td> <td>155 F</td> <td>1/2"</td> <td>1/2"</td> <td>5.6</td> <td>25</td> </tr> <tr> <td>○</td> <td>RELIABLE</td> <td>F1FR-H2W</td> <td>RA4435</td> <td>WHITE</td> <td>NECESSARY SIDEVALVE</td> <td>155 F</td> <td>1/2"</td> <td>1/2"</td> <td>5.6</td> <td>1</td> </tr> <tr> <td colspan="10">TOTAL</td> <td>104</td> </tr> </tbody> </table>	SYMBOL	MAKE	MODEL	SIN	FINISH	TYPE	TEMP	NPT	DRIFICE	K-FACTOR	TOTAL	○	RELIABLE	F1FR56	RA4485	WHITE	UPRIGHT	155 F	1/2"	1/2"	5.6	78	○	RELIABLE	F1FR56	RA4414	WHITE	NECESSARY PENDENT	155 F	1/2"	1/2"	5.6	25	○	RELIABLE	F1FR-H2W	RA4435	WHITE	NECESSARY SIDEVALVE	155 F	1/2"	1/2"	5.6	1	TOTAL										104	<p><b>SUBMITTALS</b></p> <table border="1"> <thead> <tr> <th>SENT TO</th> <th>DATE SENT MM/DD/YY</th> <th>DATE RECEIVED</th> </tr> </thead> <tbody> <tr> <td>I.S.D.</td> <td></td> <td></td> </tr> <tr> <td>T.M.</td> <td></td> <td></td> </tr> <tr> <td>L.W.</td> <td></td> <td></td> </tr> <tr> <td>I.R.I.</td> <td></td> <td></td> </tr> <tr> <td>L.A.</td> <td></td> <td></td> </tr> <tr> <td>STATE FIRE</td> <td></td> <td></td> </tr> <tr> <td>LOCAL FIRE</td> <td></td> <td></td> </tr> <tr> <td>LOCAL WATER</td> <td></td> <td></td> </tr> <tr> <td>G.C.</td> <td></td> <td></td> </tr> </tbody> </table>	SENT TO	DATE SENT MM/DD/YY	DATE RECEIVED	I.S.D.			T.M.			L.W.			I.R.I.			L.A.			STATE FIRE			LOCAL FIRE			LOCAL WATER			G.C.			<p>LICENSE # 093 442 R.M.S.# 442</p> <p>P.O. BOX 1395 LEWISTON MAINE 04243-1285</p>	<p><b>WEST END PLACE</b> 44 PINE STREET PORTLAND, MAINE</p> <p><b>FIRST LEVEL - FLOOR PLAN</b></p> <p>CONTRACT WITH ALLIED-COOK CONSTRUCTION</p> <table border="1"> <thead> <tr> <th>SYSTEM TYPE</th> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>WET</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DRY</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELUGE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PREACTION</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>M.L. LIFE</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	SYSTEM TYPE	NO.	DATE	REVISIONS	DESCRIPTION	WET					DRY					DELUGE					PREACTION					M.L. LIFE					<p>SCALE: 1/8"=1'-0"</p> <p>DRAWN BY: ARS</p> <p>CHECKED BY: CDS - NICET III #78833</p> <p>DATE: 29 MAY 2014</p> <p>TOTAL SPRKS DN JOB: 427</p> <p>SHEET # 1 OF 4</p> <p>JUB# 13-058</p>
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