

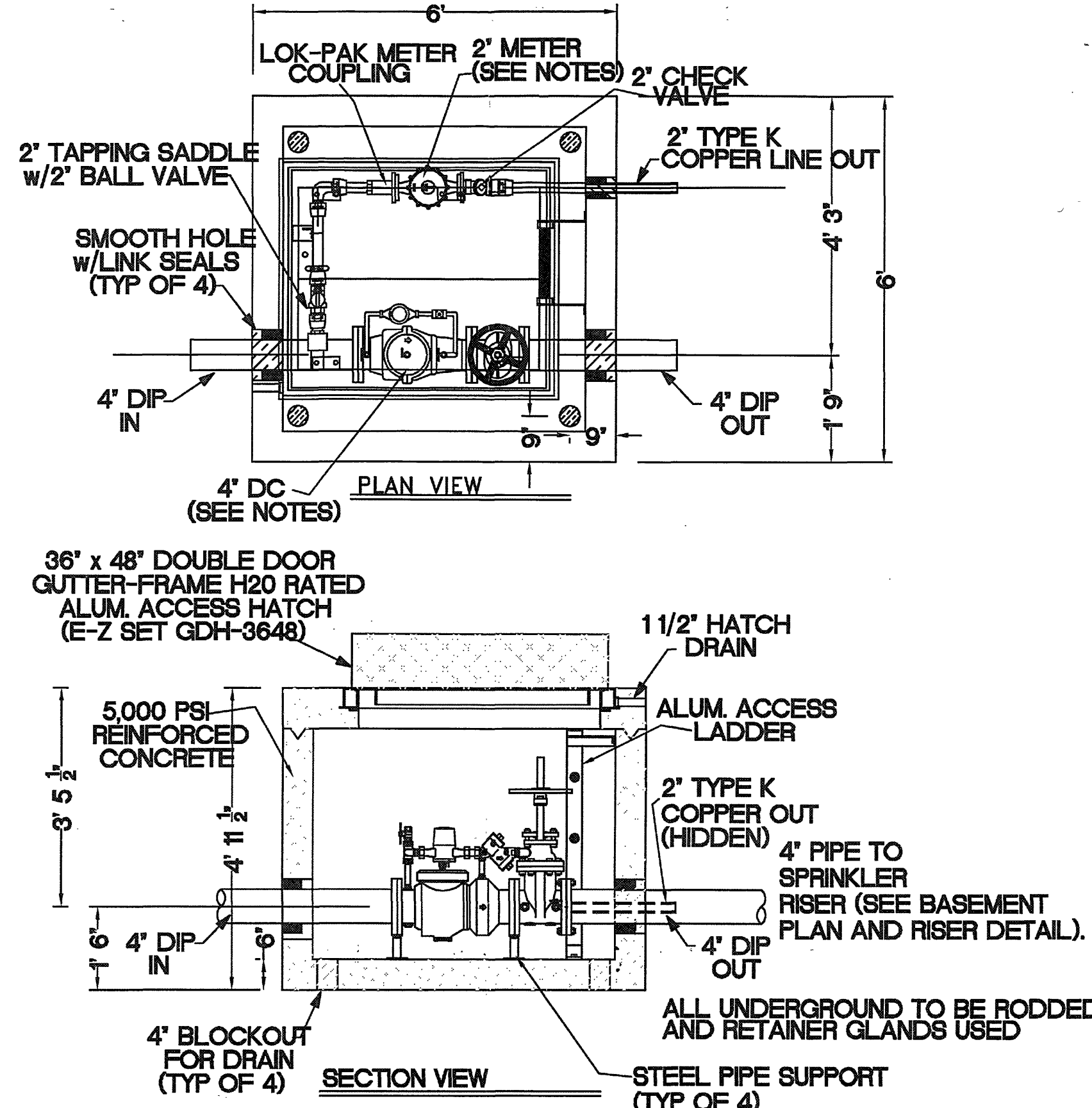
AS BURT
David W. Jarvis

10

NOTES:

- BILLY RITZ IS AN EXISTING BUILDING LOCATED IN DOWNTOWN ROANOKE, VA.
- VSC FIRE-1 SECURITY, INC. IS TO BEGIN AT A 6" TAP ON MARKET STREET TAP BY THE CITY OF ROANOKE.
- VSC IS TO INSTALL A SADDLE TEE, VALVE, AND PRECAST VAULT WITH A DC BACKFLOW PREVENTOR. VAULT BY CLEARFLOW.
- VSC IS TO INSTALL A COMPLETE WET SPRINKLER SYSTEM FOR THE BUILDING.
- VSC IS TO ALSO INSTALL A STANDPIPE SYSTEM FOR THE BUILDING.
- VSC IS TO INSTALL A BACKFLOW PREVENTOR, RISER CHECK VALVE, FLOW SWITCH, ELECTRIC BELL AND A WALL MOUNTED FIRE DETECTION CONNECTION WITH KNOX CAPS (PER CITY REQUIREMENTS).
- THE STANDPIPE WILL RUN IN TWO SEPARATE STAIRWELLS WITH FLOOR CONTROL ASSEMBLIES AND HOSE VALVES.
- EXCLUSIONS INCLUDE: PAINTING, PATCHING OR ELECTRICAL WORK OF ANY KIND, EARTHQUAKE BRACING OF ANY KIND, ASBESTOS ABATEMENT AND ANY FIRE ALARM OR RELATED WORK OR MATERIAL.
- ALL NEW THREADED PIPING TO BE SCH. 40 BLACK PIPE WITH #125 THREADED CAST IRON FITTINGS AND ALL NEW GROOVED PIPING TO BE SCH. 10 BLACK PIPE WITH GROOVED FIRELOCK FITTINGS.
- ALL HANGER MATERIALS ARE TO BE NEW AND IN COMPLETE COMPLIANCE WITH NFPA 70, 2007, EDITION.
- THE MAXIMUM DISTANCE BETWEEN HANGERS SHALL BE 12'-0" FOR SCH. 40 PIPE 1/4" AND SMALLER AND 15'-0" FOR SCH. 10 PIPE OR SCH. 40 1/2" OR LARGER.

	<h1 style="text-align: center;">VSC FIRE & SECURITY, INC.</h1>	
	<p style="text-align: center;">COMPLETE FIRE PROTECTION AND LIFE SAFETY SYSTEMS SINCE 1958</p>	
	<p style="text-align: center;">WEB SITE ADDRESS: http://www.vscfs.com</p>	
<h2 style="text-align: center;"><u>ROANOKE / SALEM OFFICE</u></h2>		
<p style="text-align: center;">773 UNION STREET - P.O. BOX 1597 SALEM, VA 24153 (540) 765-1300 • FAX (540) 765-1301</p>		
<ul style="list-style-type: none"> • ATLANTA, GA • BALTIMORE, MD • CHARLESTON, SC • CHARLOTTE, NC • • MYRTLE BEACH, SC • ORLANDO, FL • RALEIGH, NC • RICHMOND, VA • • SALEM, VA • SPRINGFIELD, VA • TAMPA, FL • VIRGINIA BEACH, VA • 		
<h3 style="text-align: center;">SITE AND VAULT DETAILS</h3>		FILE:
JOB No. RM1194	BILLI RITZ 102 MARKET STREET ROANOKE, VA 24012	
DATE 10/21/11 DESIGNER J. POTVIN SCALE AS NOTED	SHEET No. 1 OF 1	



BACKFLOW VAULT BY CLEARFLOW

NOTES:

1. FOR VERT. BEND DOWN IN EXCESS OF 11 1/4" BEND, ANCHORAGE MUST BE DESIGNED BY ENGINEER.
2. FOR VERT. BEND UPWARD, BLOCKING TO BE SIMILAR TO THAT FOR HORIZ. BEND.
3. GLANDS & BOLTS SHALL BE PROTECTED FROM CORROSION BY PLASTIC SHEETING WHEN POURING THRUST BLOCKS.
4. ALL THRUST BLOCK & SUPPORT CONC. SHALL BE 3000 PSI READY MIX CONCRETE.
5. THRUST BLOCKS WITH 18" DIMENSION GREATER THAN 30" SHALL HAVE THE RESTRAINED PIPE INSTALLED WITH A MINIMUM OF 4" COVER.
6. IF UNDER 100 PSI WORKING PRESSURE, RESTRAINT JOINTS MUST BE USED. IF EQUAL OR GREATER THAN 100 PSI WORKING PRESSURE, BOTH BLOCK AND RESTRAINT JOINTS ARE REQUIRED.

PRESSURE = 2000 psf
BEARING = 2000 psf

FACTOR OF SAFETY = 1.5

PIPE SIZE	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		TEE		PLUG	
	A	B	A	B	A	B	A	B	A	B	C	D
6"	8"	12"	8"	8"	6"	6"	6"	6"	11"	9"	10"	6"
8"	10"	12"	8"	10"	8"	8"	8"	8"	11"	10"	11"	10"
8"	18"	13"	10"	10"	8"	8"	8"	8"	11"	12"	12"	24"
10"	20"	18"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"
12"	22"	18"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"
16"	26"	20"	16"	18"	11"	13"	11"	13"	18"	20"	20"	36"
24"	32"	42"	30"	44"	22"	22"	16"	26"	42"	42"	42"	42"
30"	38"	42"	30"	42"	22"	42"	40"	30"	38"	42"	42"	42"

FACTOR OF SAFETY = 1.5

PIPE SIZE	PIPE MAT'L	90° BEND	45° BEND	22 1/2° BEND		11 1/4° BEND		VALVE / PLUG	TEE BRANCH	REDUCER		VERT. 45°	VERT. 22 1/2°	VERT. 11 1/4°
				A	B	A	B			NOTE	2'			
6"	D.I.	28"	12"	6"	3"	3"	3"	38'	34"	20'	23"	11'	5'	
8"	D.I.	31"	15"	7"	4"	5"	4"	51'	47"	21'	30"	15'	7"	
10"	D.I.	45'	19"	8"	4"	5"	4"	61'	57"	23'	38"	18"	9"	
12"	PVC	53'	22"	11"	5"	7"	5"	63'	69"	24'	43"	21'	10"	
8"	PVC	30'	12"	6"	3"	56'	38"	29'	35"	17'	8"			
10"	PVC	47'	20'	9"	5"	89'	82"	30'	56'	27'	13"			
12"	PVC	56'	23"	11'	6"	106'	88"	56'	66"	32'	16"			

Virginia Class A
Contractors License
Number:
2705131102A

<input type="checkbox"/>	STANDARD GROOVED COUPLINGS/FITTINGS
<input type="checkbox"/>	VICTAULIC "FIRELOCK" GROOVED COUPLINGS/FITTINGS

SECTION IN AREAS THAT HAVE A
CLOSURE FOR DRY PIPE, DELUGE OR
WET SPRINKLER SYSTEMS.

P I P E	
<input type="checkbox"/> ALL LINE PIPING TO DOBE	WLS
<input type="checkbox"/> ALL LINE PIPING TO DOBE	_____
<input type="checkbox"/> ALL MAIN PIPING TO DOBE	SCH.10
<input type="checkbox"/> ALL MAIN PIPING TO DOBE	_____

F I T T I N G N O T E S	
W/ STANDARD 125# THREADED FITTINGS	
W/ _____	OUTLETS & _____ ENDS
W/ _____	WELDED OUTLETS & GROOVED ENDS
W/ STANDARD 125# THREADED FITTINGS	
H A N G E R N O T E S	
<input type="checkbox"/>	STEEL BEAM CLAMP, PIPE RING, & ATR
<input type="checkbox"/>	CONCRETE ANCHOR, PIPE RING, & ATR
<input type="checkbox"/>	WOOD HANGER ASSEMBLY, SEE DETAIL

		D E S	
TYPE SYSTEM:		<input type="checkbox"/> WET	<input type="checkbox"/> DRY <input type="checkbox"/> PRE-ACTION
OCCUPANCY: _____			
HAZARD: _____			
DENSITY: _____		GPM/SO. FT.	
REMOTE AREA: _____		SQ. FT.	
MAX. S.F./HD.: _____			
TOTAL HOSE STREAM:		<input type="checkbox"/> 100 GPM	<input type="checkbox"/> 250 GPM
		<input type="checkbox"/> 500 GPM	<input type="checkbox"/> 1000 GPM
LOCAL HOSE THREAD: _____			

IGN CRITERIA NFPA STANDARD: <input type="checkbox"/> 1-3-2007 <input type="checkbox"/> 1-4-2007 <input type="checkbox"/> 2-20-2007 <input type="checkbox"/> 2-24-2007			
APPROVING AUTHORITY: _____ CONSTRUCTION TYPE: _____			
AUTHORITY HAVING JURISDICTION CITY OF ROMANE 215 DURCI AVE. SW RM. 170 ROMANE, VA 20111 BAYE COMPTON PHONE: 540-533-1690 PERMIT NUMBER 8895471		CONTRACTOR/OWNER: MARKET STREET PARTNERS 14 CHURCHILL AVE. ROMANE, VA 20111 GC/CD: _____ PROJECT MANAGER: ROB RADIATTI PHONE: 353-6767 JOB SUPERINTENDENT: _____ JOB PHONE: _____	

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000	Plot Date: 11/4/2011 10:24 AM		R E
QTY.	BY	DESCR	
	JDP	SHOP DRAWINGS S	
	JDP	SITE PLANS	
	JDP	REVISED FOR CHAN	
	JDP	REVISED FOR CHANGES TO VALU	

VISIONS		Plotted By: Potvin Jessica D
DESCRIPTION	DATE	#
SENT FOR APPROVAL	10/21/11	1
SENT TO GC	10/27/11	2
AGES TO SITE PLAN	11/4/11	3
LT ORIENTATION AS PER WWWA	11/4/11	4
		△
		△
		△

773 UNION STREET SALEM, (540) 765-1300 •	
• ATLANTA, GA • BALTIMORE, MD • • MYRTLE BEACH, SC • ORLANDO, • SALEM, VA • SPRINGFIELD, VA •	
JOB No.	RM1194
DATE	10/21/11
DESIGNER	J. POTVIN
SCALE	AS NOTED

SITE AND

BILL

102 MARKET STREET

ROANOK, VA

LET - P.O. BOX 1597
VA 24153
FAX (540) 765-1301

CHARLESTON, SC • CHARLOTTE, NC •
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VAULT DETAILS	
LY RITZ KET STREET E, VA 24012	FILE: SHEET No. 1 OF 1

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