

1. ALL JOINTS SHALL BE RESTRAINED ON BOTH SIDES OF THE FITTING FOR THE LENGTH SHOWN UNLESS OTHERWISE INDICATED. 2. REDUCER IS ONE SIZE SMALLER THAN PIPE LISTED. RESTRAINED LENGTH IS UPSTREAM ON THE LARGE SIDE OF THE REDUCER.

3. IF UNDER 100 PSI WORKING PRESSURE, RESTRAINT JOINT(S) ARE TO BE USED. IF EQUAL TO OR OVER 100 PSI WORKING PRESSURE, BOTH THRUST BLOCK

Virginia Class A
Contractors License

STANDARD
GROOVED COUPLINGS/FITTINGS

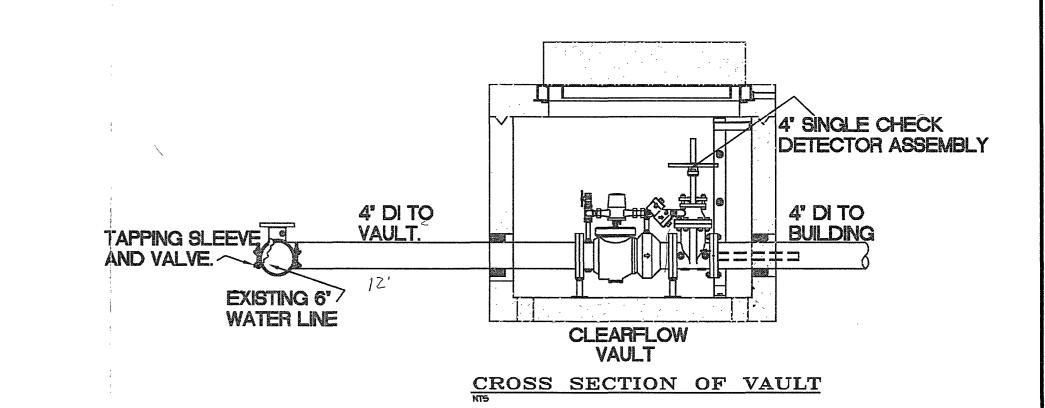
Number: VICTAULIC "FIRELOCK"

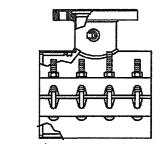
2' TYPE K COPPER LINE OUT 2' TAPPING SADDLE w/2' BALL VALVE SMOOTH HOLE W/LINK SEALS (TYP OF 4) PLAN VIEW (SEE NOTES) 36' x 48' DOUBLE DOOR GUTTER-FRAME H20 RATED ALUM. ACCESS HATCH (E-Z SET GDH-3648) 11/2" HATCH _ DRAIN LADDER CONCRETE (HIDDEN) 4" PIPE TO RISER (SEE BASEMENT PLAN AND RISER DETAIL). ALL UNDERGROUND TO BE RODDED AND RETAINER GLANDS USED 4" BLOCKOUT FOR DRAIN (TYP OF 4) -STEEL PIPE SUPPORT SECTION VIEW (TYP OF 4)

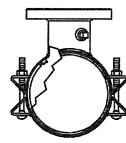
LOK-PAK METER 2' METER COUPLING (SEE NOTES) 2', CHECK

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROX. 16,000 LBS. 2. 4" WILKINS 310DAL SINGLE CHECK DETECTOR ASSEMBLY WONE OSTY GATE VALVE 3. 2' DOMESTIC LINE IS TYPE K COPPER WITH GRIP JOINT FITTINGS, BALL VALVE AT TAPPING SADDLE (W/LOCKING TABS) AND CHECK VALVE ON OUTLET. 4. METERS SUPPLIED BY WWWA TO CLEAR FLOW + INSTALLED ON OUR YARD.

BACKFLOW VAULT BY CLEARFLOW







1. TAPPING SLEEVE SHALL BE POWERSEAL MODEL 3490 TYPE 304 STAINLESS STEEL WITH CARBON STEEL FLANGE, ROMAC'S MODEL SST III, FORD MODEL FTSS WITH CARBON STEEL FLANGE OR APPROVED EQUIVALENT. SLEEVE SHALL BE RATED AT 250 PSI AND MUST HAVE A TEST PLUG.

TAPPING VALVE SHALL BE AVK RESILIENT SEATED GATE VALVE SERIES 25 MJFL OR MUELLER T-2360 RESILIENT WEDGE TAPPING VALVE WITH MJFL. VALVE SHALL BE RATED

3. TAPPING SLEEVE AND VALVE SHALL BE FULL PORT TO ACCEPT FULL SIZE SHELL CUTTER. 4. STEEL FLANGE SHALL MEET AWWA C207.

WESTERN VIRGINIA WATER AUTHORITY NOTES -THE PROPOSED VAULT WILL REQUIRE AN EASEMENT 5'-0' OUTSIDE OF THE PROPOSED VAULT LOCATION. THIS WILL NEED TO BE RECORDED AS A DEED OF EASEMENT PRIOR TO SUBSTANTIAL COMPLETION. -VSC FIRE + SECURITY, INC. TO FURNISH AND INSTALL TAPPING SLEEVE AND VALVE, TAP TO BE MADE BY WWWA. CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND SHORING PER OSHA REGULATIONS. -ALL WATER CONNECTIONS SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY. -ALL WATER AND SANITARY SEWER FACILITIES ARE TO BE INSTALLED ACCORDING TO WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION

-BILLY RITZ IS AN EXISTING BUILDING LOCATED IN DOWNTOWN ROANOKE, VA.

-VSC FIRE + 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 DEPARTMENT 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 13 2007 ED.

-THE MAXIMUM DISTANCE BETWEEN HANGERS SHALL BE 12'-0" FOR SCH. 40 PIPE 114" AND SMALLER AND 15'-0" FOR SCH. 10 PIPE OR SCH. 40 112" OR LARGER.

PIPE PAINTING IS BY OTHERS SEISMIC BRACING IS NOT REQUIRED PIPE IDENTIFICATION ISNOT REQUIRED PIPE SLEEVES ARE NOT REQUIRED PIPE INSULATION NOTE:
ALL PIPE INSULATION IS TO BE BY OTHERS, ANY DETAILS PROVIDED ARE FOR SUGGESTIONS ONLY, ALL INSULATION

COMPLETE FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SINCE 1958

WEB SITE ADDRESS: http://www.vscfs.com

ROANOKE / SALEM OFFICE 773 UNION STREET - P.O. BOX 1597 SALEM, VA 24153

(540) 765-1300 • FAX (540) 765-1301

 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

SITE AND VAULT DETAILS JOB No. RM1194 SHEET No. DATE 10/21/1 102 MARKET STREET DESIGNER J. POTVIN ROANOKE, VA 24012 OF SCALE AS NOTED

DESIGN PURPOSES. THES	E HEADS ARE NOT REQUIRED TO BE ILES PER CONTRACT SPECIFICATIONS.	Number: 2705131102A	VICTAULIC "FIRELOCK" GROOVED COUPLINGS/FITTINGS					
	IMPORTANT THE OWNER HAS THE RESPONSIBILITY OF PROVIDING FREEZE PROTECTION IN AREAS THAT HAVE A WET PIPE SPRINKLER SYSTEM AS WELL AS A SUITABLE HEATED ENCLOSURE FOR DRY PIPE, DELUGE OR ANY OTHER TYPE VALVE CONTROLLING WATER SUPPLIES TO AUTOMATIC SPRINKLER SYSTEMS.							
	ANY FORM OR MANNER WHATSOEVER NOR	N CONNECTION WITH THE (DOCUMENTS MAY NOT BE U SHALL THEY BE ASSIGNED	OWNERSHIP OF THESE DRAWINGS AND/OR SED, REPRODUCED, CHANGED, OR COPIED IN TO ANY THIRD PARTY WITHOUT THE					
PROJECT NORTH	EXPRESS WRITTEN CONSENT OF VSC FIRE & NOT BE OBLIGATED TO GRANT. ALL RIGHTS	RESERVED.	ONSENT VSC FIRE & SECURITY, INC. SHALL					

AND RESTAINT JOINTS SHALL BE USED.

FOREMAN NOTE:
SPRINKLER HEAD LOCATIONS IN AREAS WITH SUSPENDED

ACCOUSTICAL CEILING TILES ARE SHOWN IN CENTER OF TILE FOR

								MUST BE INSTALLED BY A QUALIF VSC FIRE & SECURITY ACCEPTS NO		
PIPE & FITTING NOTES	DESIGN	N CRITERIA	SPRINKLE	RSUMMARY	TOTAL SP	PRINKLERS THIS DRAWING 000	Plot Date:	: 11/4/2011 10:24 AM	By: Potvin Jessica D.	ر.
ALL LINE PIPENGTOOBBE WLS W/ STANDARD 125# THREADED FITTINGS	TYPE SYSTEM: WET DRY PRE-ACTION NFPAS	STANDARD: 13-2007 14-2007 20-2007 24-2007	SYM TYPE F.	INISH TEMP ORIF. "K"	NPT MFG / MODEL #	S.I.N. ESCUTCH. / TEMP QTY.	BY	DESCRIPTION	. DATE #	1
ALL LINNE PIPENIGTIONE W/ OUTLETS & ENDS	OCCUPANCY:	APPROVING AUTHORITY:					JDP	SHOP DRAWINGS SENT FOR APPROVAL	10/21/11 🛕	
ALL MAIN PIPINGTOOBSE SCH.10 W/ WELDED OUTLETS & GROOVED ENDS	HAZARD:	CONSTRUCTION TYPE:					JDP	SITE PLANS SENT TO GC	10/27/11 🖄	7
ALL MAIN PIRINGTIONS W/ STANDARD 125# THREADED FITTINGS	DENSITY: GPM/SQ.Ff. REMOTE AREA: SO. FT.	AUTHORITY HAVING JURISDICTION CONTRACTOR/OWNER: CITY OF ROANOKE MARKET STREET PARTNERS					JDP	REVISED FOR CHANGES TO SITE PLAN	11/4/11 3	<u></u>
HANGER NOTES	MAX. S.F./HD.:	215 CHURCH AVE. SW RM. 170 14 CAMPBELL AVE. ROANOKE, VA 24011					JDP	REVISED FOR CHANGES TO VAULT ORIENTATION AS PER WVWA	11/4/11 4	JOI
DENOTES HANGER LOCATION STEEL BEAM CLAMP, PIPE RING, & ATR	TOTAL HOSE STREAM: 100 GPM 250 GPM	BANE COMPTON ROB RIGATTI						4		
DENOTES TRAPEZE HANGER LOCATION CONCRETE ANCHOR, PIPE RING, & ATR	☐ 500 GPM ☐ 750 GPM ☐ 1000 GPM	PHONE: PHONE: 353-6767 540-353-1090 JOB SUPERINTENDENT: PERMIT NUMBER								DES
3/8" ATR 1"-4" PIPE	LOCAL HOSE THREAD:	B090471 JOB PHONE:								S
									diameter de la constantial de	<u> </u>