FIGURE 9-1.2(a) Sample contractor's material and test certificate for aboveground piping.

Contractor's Material and Test Certificate for Aboveground Piping

Standpipe System NFPA 14

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME	ATRIUM	DATE OCT 24/2022
PROPERTY ADDRESS	19945 BRYDON CRES, LANGLEY	
PLANS	ACCEPTED BY APPROVING AUTHORITIES (NAMES) CITY OF LANGLEY	
	ADDRESS 20399 DOUGLAS CRES, LANGLEY	
	INSTALLATION CONFORMS TO ACCEPTED PLANS	☑ YES ☐ NO
	EQUIPMENT USED IS APPROVED OR LISTED	☑ YES ☐ NO
	IF NO, EXPLAIN DEVIATIONS	
TYPE OF SYSTEM	AUTOMATIC-DRY	☐ YES
	AUTOMATIC-WET	☑ YES
	SEMIAUTOMATIC-DRY	☐ YES
	MANUAL-DRY	☐ YES
	MANUAL-WET	☐ YES
	COMBINATION STANDPIPE/SPRINKLER	☑ YES
	OTHER, IF YES EXPLAIN	☐ YES
WATER SUPPLY DATA USED FOR DESIGN AND AS SHOWN ON PLANS	FIRE PUMP DATA	
	MANUFACTURER _____ MODEL _____	
	TYPE: ☐ ELECTRIC ☐ DIESEL ☐ OTHER, EXPLAIN _____	
	RATED GPM _____ RATED PSI _____ SHUT-OFF PSI _____	
WATER SUPPLY SOURCE CAPACITY, GALLONS	PUBLIC WATER-WORKS SYSTEM ☑ STORAGE TANK ☐ GRAVITY TANK ☐ OPEN RESERVOIR ☐	
	OTHER ☐ EXPLAIN	
IF PUBLIC WATERWORKS SYSTEM:	STATIC PSI 105 RESIDUAL PSI 95 FLOW IN 2" GPM	
HAVE COPIES OF THE FOLLOWING BEEN LEFT ON THE PREMISES?	☑ SYSTEM COMPONENTS INSTRUCTIONS ☑ CARE AND MAINTENANCE OF SYSTEM ☑ NFPA 25	
	☑ COPY OF ACCEPTED PLANS ☑ HYDRAULIC DATA/CALCULATIONS	
SUPPLIES BUILDING(S)	MAIN WATERFLOW SHUT-OFF LOCATION WATER ENTRY ROOM P1	
	NUMBER OF STANDPIPE RISERS 3	
	DO ALL STANDPIPE RISERS HAVE BASE OF RISER SHUT-OFF VALVES?	☑ YES ☐ NO
VALVE SUPERVISION	LOCKED OPEN ☐ SEALED AND TAGGED ☐ TAMPERPROOF SWITCH ☑ OTHER ☐ IF OTHER,	
PIPE AND FITTINGS	TYPE OF PIPE 4" SCHED 10"	
	TYPE OF FITTINGS VICTAULIC GROOVED	
BACKFLOW PREVENTOR	A) DOUBLE CHECK ASSEMBLY ☑ SIZE 4" MAKE AND MODEL WATTS 757	
	B) REDUCED-PRESSURE DEVICE ☐	

(NFPA 14, 1 of 3)

FIGURE 9-1.2(a) *Continued.*

CONTROL VALVE DEVICE

TYPE	SIZE	MAKE	MODEL
BUTTERFLY VALVE	4"	VICTAULIC	705W

TIME TO TRIP THROUGH REMOTE HOSE VALVE 0 MIN 0 SEC WATER PRESSURE 105 AIR PRESSURE ____
TIME WATER REACHED REMOTE HOSE VALVE OUTLET 0 MIN 0 SEC TRIP POINT AIR PRESSURE 105 PSI
ALARM OPERATED PROPERLY ☑ YES ☐ NO IF NO, EXPLAIN ____

TIME WATER REACHED REMOTE HOSE VALVE OUTLET 0 MIN 0 SEC
HYDRAULIC ACTIVATION ☐ YES
ELECTRIC ACTIVATION ☐ YES
PNEUMATIC ACTIVATION ☐ YES
MAKE AND MODEL OF ACTIVATION DEVICE ____
EACH ACTIVATION DEVICE TESTED ☐ YES ☐ NO IF NO, EXPLAIN ____

EACH ACTIVATION DEVICE OPERATED PROPERLY ☐ YES ☐ NO IF NO, EXPLAIN ____

PRESSURE-REGULATING DEVICE

LOCATION & FLOOR	MODEL	NONFLOWING (PSI) INLET	NONFLOWING (PSI) OUTLET	FLOWING (PSI) INLET	FLOWING (PSI) OUTLET	GPM

ALL HOSE VALVES ON SYSTEM OPERATED PROPERLY ☐ YES ☐ NO IF NO, EXPLAIN ____

(NFPA 14, 2 of 3)

FIGURE 9-1.2(a) *Continued.*

TEST DESCRIPTION	HYDROSTATIC: HYDROSTATIC TESTS SHALL BE MADE AT NOT LESS THAN 200 PSI (13.6 BAR) FOR 2 HOURS OR 50 PSI (3.4 BAR) ABOVE STATIC PRESSURE IN EXCESS OF 150 PSI (10.2 BAR) FOR 2 HOURS. DIFFERENTIAL DRY PIPE VALVE CLAPPERS SHALL BE LEFT OPEN DURING TEST TO PREVENT DAMAGE. ALL ABOVEGROUND PIPING LEAKAGE SHALL BE STOPPED. PNEUMATIC: ESTABLISH 40 PSI (2.7 BAR) AIR PRESSURE AND MEASURE DROP, WHICH SHALL NOT EXCEED 1½ PSI (0.1 BAR) IN 24 HOURS. TEST PRESSURE TANKS AT NORMAL WATER LEVEL AND AIR PRESSURE AND MEASURE AIR PRESSURE DROP, WHICH SHALL NOT EXCEED 1½ PSI (0.1 BAR) IN 24 HOURS.
TESTS	ALL PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HRS — IF NO, STATE REASON DRY PIPING PNEUMATICALLY TESTED ☑ YES ☐ NO EQUIPMENT OPERATES PROPERLY ☑ YES ☐ NO
	DO YOU CERTIFY AS THE STANDPIPE CONTRACTOR THAT ADDITIVES AND CORROSIVE CHEMICALS, SODIUM SILICATE, OR DERIVATIVES OF SODIUM SILICATE, BRINE, OR OTHER CORROSIVE CHEMICALS WERE NOT USED FOR TESTING SYSTEMS OR STOPPING LEAKS? ☑ YES ☐ NO
	DRAIN TEST — READING OF GAUGE LOCATED NEAR WATER SUPPLY TEST CONNECTION 105 PSI — RESIDUAL PRESSURE WITH VALVE IN TEST CONNECTION OPEN WIDE 95 PSI
	UNDERGROUND MAINS AND LEAD-IN CONNECTIONS TO SYSTEM RISERS FLUSHED BEFORE CONNECTION MADE TO STANDPIPE PIPING. VERIFIED BY COPY OF THE U FORM NO. 85B ☑ YES ☐ NO OTHER EXPLAIN FLUSHED BY INSTALLER OF UNDERGROUND STANDPIPE PIPING ☑ YES ☐ NO
BLANK TESTING	NUMBER USED 0 — LOCATIONS — NUMBER REMOVED
WELDING	WELDED PIPING ☐ YES ☑ NO
	IF YES . . .
	DO YOU CERTIFY AS THE STANDPIPE CONTRACTOR THAT WELDING PROCEDURES COMPLY WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3 ☐ YES ☐ NO DO YOU CERTIFY THAT THE WELDING WAS PERFORMED BY WELDERS QUALIFIED IN COMPLIANCE WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3 ☐ YES ☐ NO DO YOU CERTIFY THAT WELDING WAS CARRIED OUT IN COMPLIANCE WITH A DOCUMENTED QUALITY CONTROL PROCEDURE TO ENSURE THAT ALL DISCS ARE RETRIEVED, THAT OPENINGS IN PIPING ARE SMOOTH, THAT SLAG AND OTHER WELDING RESIDUE ARE REMOVED, AND THAT THE INTERNAL DIAMETERS OF PIPING ARE NOT PENETRATED ☐ YES ☐ NO
CUTOUTS (DISCS)	DO YOU CERTIFY THAT YOU HAVE A CONTROL FEATURE TO ENSURE THAT ALL CUTOUTS (DISCS) ARE RETRIEVED? ☑ YES ☐ NO
HYDRAULIC DATA NAMEPLATE	NAME PLATE PROVIDED ☑ YES ☐ NO — IF NO, EXPLAIN
REMARKS	DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: OCT 24/2022
NAME OF SPRINKLER/ STANDPIPE CONTRACTOR	NAME OF CONTRACTOR W.S. FIRE PROTECTION LTD. ADDRESS 1009 EDGEHILL PL, KAMLOOPS BC, V2C0G6 STATE LICENSE NUMBER (IF APPLICABLE) _____
SYSTEM OPERATING TEST WITNESSED BY	PROPERTY OWNER _____ TITLE _____ DATE _____ SPRINKLER/STANDPIPE CONTRACTOR [signature] TITLE OWNER DATE OCT 24/2022 APPROVING AUTHORITIES _____ TITLE _____ DATE _____
ADDITIONAL EXPLANATION AND NOTES	

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