Automatic Sprinkler Systems

Insert logo here

Contractor's Material and Test Certificate for Aboveground Piping

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:				Date:				
Property Addre	ess:							
	Accepted by approving a	uthorities (name	es)					
Plans	Installation conforms to a		in deviations			Yes Yes	□ No	
	Has person in charge of f of control valves and care If no, explain					Yes	□ No	
Instructions	Have copies of the follow	_	the premises?			Yes	□ No	
	 System components in Care and maintenance NFPA 25 					Yes Yes Yes	 No No No	
Location of system	Supplies buildings							
	Make	Model	Year of manufacture	Orifice size	(mannity -		Temperature rating	
Sprinklers								
Pipe and	Type of pipe				_			
fittings	Type of fittings							

Alawa walio	Alarm device						Maximum time to operate through test connection						
Alarm valve or flow	Type		Make		Mod	Model		Minutes		Seconds			
indicator													
			Dry v	alve	Q.O.D								
		Make		Model	Se	rial No.	Ma	ke	Mo	del	Ser	rial No.	
Dry pipe		Time to trip through test connection ^{1,2}		Water pressure	pı	Air	Tr poin pres	t air	Time water reached test outlet ^{1,2}		ор	Alarm operated properly	
operating test		Minutes	Seconds	psi		psi	p	si	min.	sec.	Yes	s No	
	Without Q.O.D												
	With Q.O.D												
	If no explain:												
	Operation	on 🔲	Pneumatic	☐ Ele	ectric		Hydı	aulic					
	Piping supervised Yes No Detecting media supervised Yes No												
	Does valve operate from the manual trip, remote, or both control Yes No												
	Is there an accessible facility in each circuit for testing?												
Deluge and preaction	If no, explain												
valves	Make Model												
	Does each circuit operate supervision loss alarm?							Yes No					
	Does each circuit operate valve release?								☐ Ye	s [□No		
	Maximu	ım time to	operate re	elease	_		Minutes Seconds			s			
Pressure reducing valve	Location	and floo	r			S	Static pr	essur		dual pre (flowing		Flow rate	
test	Make an	e and model				nlet psi)	Outle (psi	1		utlet psi)	Flow (gpm)		
	Setting					_			_				
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 excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.					clappers							
	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.												

¹ Measured from time inspector's test connection is opened ² NFPA 13 only requires the 60-second limitation in specific sections

Form 4

	If no, state reason Dry piping pneumatically Equipment operates	Yes No			
	chemicals, sodium silicate	nkler contractor that additives and corros or derivatives of sodium silicate, brine, not used for testing systems or stopping	or other	☐ Ye	es 🗌 No
Tests	test: Residual pressur	ff gauge located near water supply test core with valve in test connection open wid ead-in connections to system risers flushed	le: psi (bar)
	1 7 7	ontractor's Material and Test nd Piping	Yes N	o [Other
	Explain:				_
	Flushed by installer of un	derground sprinkler piping		∐ Y€	s No
	If powder-driven fasteners testing been satisfactorily	s are used in concrete, has representative completed?	sample	☐ Ye	es 🗌 No
	If no, explain				
Blank testing gaskets	Number used	Locations	Number remov	ved	
	Welding piping	☐ Yes ☐ No			
	If yes				
	complied with the minimu	nkler contractor that welding procedures im requirements of AWS B2.1, ASME S diffications, or other applicable qualificat	ection IX	□ Y	es No
Welding	Do you certify that the we qualified in accordance w	elding was performed by welders or weld ith the minimum requirements of AWS Frazing Qualifications, or other applicable AMI	32.1, ASME		es 🗌 No
	Do you certify that the we documented quality control (2) that openings in piping removed; (3) the internal of the control of	elding was conducted in compliance with ol procedure to ensure that (1) all discs are g are smooth, that slag and other welding diameters of piping are not penetrated; (4 s, incomplete fusion, surface porosity gre	re retrieved; residue are 1) completed	□ Y	es 🗌 No
		per than the lesser of 25% of the wall thi cumferential butt weld reinforcement doe			
Cutouts (discs)	Do you certify that you hat are retrieved?	ave a control feature to ensure that all cut	outs (discs)	□ Y	es No
Hydraulic	Nameplate provided			□ Y	es No
data nameplate	If no, explain				
Remarks	Date left in service with a	all control valves open			

Form 4

	Name of sprinkler contractor						
	Tests witnessed by						
Signatures	The property owner or their authorized agent (signed)	Title	Date				
	For sprinkler contractor (signed)	Title	Date				
A daliti a mala an							
Additional ex	planations and notes:						
Overall Syste	em Status						
Satisfactor	ry Unsatisfactory						
Signature:		Date:					
License/Certific	eation No.:						