PROSPER FIRE RESCUE
FIRE MARSHAL'S OFFICE
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Dry Pipe Sprinkler System

This inspection checklist is provided as a courtesy to assist with dry pipe sprinkler suppression installation requirements

Project Name: _____ **Permit #** _____

Address: _____

City, State & Zip: _____ **Date:** _____

Phone Number: _____

Y	N	N/A	Hydrostatic Test
☐	☐	☐	Confirm underground fire line finalized w/SF-042 Certification
☐	☐	☐	Start PSI: ____ Time: ____ (≥ 200 psi for 2 hours)
☐	☐	☐	Pressure pumps disconnected 13-28.2.1
☐	☐	☐	End PSI: ____ Time: ____ (No loss of pressure)
☐	☐	☐	Relieved pressure and the gauge returned to zero?

Inspection Results: ☐ **Passed** ☐ **Failed**

Y	N	N/A	24 Hour Air Test (Dry & Pre-Action Systems)
☐	☐	☐	System pressure @ 40 psi 13-28.2.2.1
☐	☐	☐	Start PSI: ____ Time: ____ (24 hours)
☐	☐	☐	Air compressor disconnected?
☐	☐	☐	End PSI: ____ Time: ____ (Pressure loss ≤ 1.5 psi)
☐	☐	☐	Relieved pressure and the gauge returned to zero?

Inspection Results: ☐ **Passed** ☐ **Failed**

Y	N	N/A	Visual

Consult the stamped approved plans and verify the following

Piping & Hangers

☐	☐	☐	Verify proper pipe installed 13-16.3.1
☐	☐	☐	Verify piping sizes and layout
☐	☐	☐	Pipe hangers installed per section 13-17.1.1
☐	☐	☐	Main & cross main piping supported per 13-(Table 17.4.2.1 a)
☐	☐	☐	Branch line piping supported per section 13-17.4.3
☐	☐	☐	Support of riser piping per section 13-17.4.5
☐	☐	☐	Clearance to hangers not within 3" of an upright head 13-17.4.3.3

Sprinklers

☐	☐	☐	Type, temp. & spacing of sprinklers match plans 13-9.5.1
☐	☐	☐	Minimum distances from sprinklers 13-9.5.3.4
☐	☐	☐	Minimum deflector distance below ceiling 13-9.5.4.1.1
☐	☐	☐	Obstructions to sprinkler discharge 13-9.5.5
☐	☐	☐	Min. Temp. & Distance from heat source 13-(Table 9.4.2.5 a)
☐	☐	☐	Are dry sprinkler min. barrel lengths per 13-(Table 15.3.1 a)
☐	☐	☐	Has the penetration of the dry sprinkler been sealed 13-15.3.3
☐	☐	☐	Are sprinklers in their proper orientation per 13-9.5.4.2

Riser

☐	☐	☐	Backflow device, size, type & flow direction 13-16.9.3.3.5
☐	☐	☐	Main drain piped outside or to drain of proper size 13-16.10.4.4
☐	☐	☐	Are all freeze protection methods operational SFMO 34.718

FDC

☐	☐	☐	Connection 18" to 48" above finished grade 13-16.12.5.1.2
☐	☐	☐	5" Stortz w/30° downturn and locking cap 13-16.12.3.1.1
☐	☐	☐	FDC with the proper drip valve for drainage 13-16.12.7
☐	☐	☐	Verify 5' pathway, visible & facing the fire lane 24-5.9.5.1
☐	☐	☐	Sign with 1" letters indicating what it serves 13-16.12.5.8
☐	☐	☐	If FDC serves multi-addresses, addresses must be listed 24-5.9a

Y	N	N/A	Dry System Functional Test
☐	☐	☐	Full flow trip test, w/out Quick Opening Device (QOD) 13-8.2.3.3
☐	☐	☐	Full flow trip test, w/QOD (750 gallon capacity) 13-8.2.3.4
☐	☐	☐	Record water delivery times per 13-8.2.3
☐	☐	☐	Delivery: ≥ 60 sec. or > 500 gal. or > 750 gal. w/QOD) 13-8.2.3.2

Inspection Results: **Passed** ☐ **Failed** ☐

Y	N	N/A	Air Compressor Visual & Functional Test
☐	☐	☐	Verify the compressor is listed for proper use per 13-8.2.6.3
☐	☐	☐	Verify the connection supply pipe not less than 1/2" per 13-8.2.6.4.1
☐	☐	☐	Verify the compressor fills the system per Section 13-8.2.6.3.2
☐	☐	☐	Confirm high/low pressure supervisory signal @ the FACP 903.4

Inspection Results: **Passed** ☐ **Failed** ☐

Y	N	N/A	Visual
☐	☐	☐	Sprinkler placement clearance from obstructions 13-9.5.5.2
☐	☐	☐	Verify sprinkler heads are free from foreign matter 13-16.2.3.1
☐	☐	☐	Escutcheon plates are installed per mfg. instructions 13-16.2.5
☐	☐	☐	Water pressure gauges are installed properly 13-16.13
☐	☐	☐	Inspector's test connection clearly indicated & accessible 13-16.9.12
☐	☐	☐	Auxiliary/low point drains clearly indicated & accessible 13-16.10.5.3
☐	☐	☐	Sign @ each control valve w/portion of building served 13-16.9.12.3

Riser Room

☐	☐	☐	Hydraulic nameplate installed at riser per section 13-28.5.1
☐	☐	☐	Spare head box, sprinkler heads, wrench & label per 13-16.2.7
☐	☐	☐	Proper space around riser(s) for service **per mfg.** (3' min.) 901.4.6
☐	☐	☐	Multiple risers correspond w/ fire alarm addressing 904.3
☐	☐	☐	All riser trim and valves labeled per 13-28.6.1.1
☐	☐	☐	Riser room door labeled & Knox box installed 509.1
☐	☐	☐	Riser room hard wired for heat & emergency lighting 13-8.2.5.2.1
☐	☐	☐	A Locking documents cabinet installed per Prosper Amendments
☐	☐	☐	NFPA 25, Contractor Certificate & As-Built Drawings in cabinet

Testing

☐	☐	☐	Main drain test performed, recorded/permanently affixed 13-28.2.3.4.2
☐	☐	☐	Flow from ITV initiated signals within the designed times 13-28.2.3.1
☐	☐	☐	Initiation of alarm activated proper notification devices 13-28.2.3.1.1
☐	☐	☐	Signals to F/A panel w/correct address & description 903.4
☐	☐	☐	Signals @ the FACP correspond w/monitoring station signals received?
☐	☐	☐	Verify DCVA forward flow and certification test report provided?
☐	☐	☐	Signed Aboveground Contractor Material & Test Certificate SF-041
☐	☐	☐	Statement of Compliance letter on file with the Prosper FMO
☐	☐	☐	As-Built drawings on file with the Prosper FMO

Inspection Results: **Passed** ☐ **Failed** ☐

Comments: _____

Inspector's Name: _____ **Contractor's Name & License #** _____