

COMMUNITY DEVELOPMENT AND SERVICES BUILDING AND FIRE SAFETY

FIRE SAFETY ENGINEERING

240 Water Street, P.O. Box 95050, Henderson NV 89009-5050 702-267-3630 e-mail: fireeplan@cityofhenderson.com

NFPA 13D & Enhanced NFPA 13D Fire Sprinkler Plan Review Checklist

GENERAL INFORMATION:

1.	Plan Reviewer's Name:		Date:	
2.			Date of Revision: _	
3.				
4.				
5.	City of Henderson Residentia	Fire Sprinkler General Notes	3:	Y 🗌 N 🗍
	(Check an answer. Space is	provided at the end of each	section for written comments a	nd explanations.)
WOF	RKING PLANS:			
1.	1 Name of owner:			N/A
1.	2 Location including street addr	ess:		N/A
1.	3 Point of compass:			N/A
1.	4 Building area in square feet (li	ving + garage) used to deterr	nine system type:	N/A
1.	5 Full height cross section or sh	eet number referenced from	building permit drawings:	N/A
1.	6 Ceiling/roof heights and slope	s not shown in the full height	cross section:	N/A
1.	7 Location of partitions, lintels a	nd doorways or sheet no. ref.	from bldg. permit dwgs.:	N/A
1.	8 Name and/or room label for ea	ach area:		N/A
1.	9 Size, length and type of under	ground pipe from the supply	to the riser:	N/A
1.	10 Pipe sizes and lengths:			N/A
1.	11 Location and size of riser nip	ples and/or drops:		N/A
1.	12 Type of fittings and joints:			N/A
1.	13 Type and location of hangers	5 :		N/A
1.	14 Location and size of all valve	es and drains:		N/A
1.	15 Hydraulic data plate informat	ion block(s):		N/A
1.	16 Relative elevations shown fo	r hydrants, finished floor, Add	led elevation table w/ req. pres.:	N/A

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1.17 Graphic scale provided:	N/A L Y L N L
1.18 Contractor's information including name, address, phone number and license number(s)): N/A Y N
1.19 Nevada State Fire Marshal registration number:	N/A
COMMENTS / EXPLANATIONS:	
Flush Multipurpose Systems:	
2.1 Flush multipurpose system design with supply from the loop to at least one remote toilet:	N/A 🗌 Y 🗌 N 🗀
2.2 System is looped both vertically and horizontally:	N/A 🗌 Y 🗌 N 🗀
2.3 Minimum domestic demand of 5 gpm added at the point of connection to common piping:	: N/A 🗌 Y 🗌 N 🗀
2.4 No backflow preventer, water treatment device, or pressure reducing valve in the supply l	line: N/A 🗌 Y 🗌 N 🗀
2.5 Dead-end supply lines to individual sprinklers do not exceed 50 feet in length:	N/A 🗌 Y 🗌 N 🗀
2.6 Pressure gauge installed on the supply side of the check valve:	N/A
COMMENTS / EXPLANATIONS:	
Network Multipurpose Systems:	
3.1 Network multipurpose system design supplying all cold-water domestic fixtures:	N/A 🗌 Y 🗌 N 🗀
3.2 Minimum domestic demand of 5 gpm added at the point of domestic demand:	N/A 🗌 Y 🗌 N 🗀
3.2 Dead-end supply lines only to domestic fixtures:	N/A 🗌 Y 🗌 N 🗀
3.3 WARNING sign provided adjacent to the main shutoff valve with wording per section 6.6.	6: N/A 🗌 Y 🗌 N 🗀
3.4 Water treatment device is taken into account hydraulically or automatically bypassed:	N/A 🗌 Y 🗌 N 🗀
3.5 Pressure gauge installed on the supply side of the dwelling unit control valve:	N/A 🗌 Y 🗌 N 🗀
3.6 If PRV is installed after the control valve, pressure gauge installed on discharge side of P	RV: N/A 🗌 Y 🗌 N 🗌
COMMENTS / EXPLANATIONS:	
SPRINKLER HEAD SPACING AND INFORMATION:	
4.1 Material data sheets provided for pipe, sprinklers, valves, etc. as required:	N/A
4.2 Sprinkler head spacing is acceptable:	N/A
4.3 Make, type, model, K-factor, temperature rating, and SIN are indicated for each sprinkler:	: N/A 🗌 Y 🗌 N 🗍
4.4 Sprinkler head counts are correct:	N/A
4.5 Special listed sprinkler information is shown, for example - extended coverage:	N/A

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4.6 Sprinklers are shown in soffits exceeding more than 8":	N/A 🗌 Y 📗 N 📗			
4.7 Sprinklers are installed in attached garage with living space above:	N/A			
COMMENTS / EXPLANATIONS:				
HYDRAULIC CALCULATIONS:				
6.1 System design criteria, including density & minimum remote area size, is correct:	N/A			
6.2 Remote area selected is acceptable:	N/A			
6.3 Waterflow information used matches witnessed paperwork:	N/A			
6.4 Waterflow information is current - no more than 6 months old:	N/A			
6.5 Minimum 10 psi safety factor is provided in each calculation:	N/A			
6.6 Sprinkler head K-factors match the drawings:	N/A			
6.7 Equivalent K-factor calculations are acceptable:	N/A			
6.8 Minimum required end head flow and pressure are acceptable:	N/A			
6.9 Hydraulic reference nodes match the drawing:	N/A			
6.10 Correct Hazen-Williams "C" values are used:	N/A			
6.11 Elevations match the drawing:	N/A			
6.12 Pipes inside diameters used match the drawing and cut sheets:	N/A			
6.13 Fitting counts match the drawing:	N/A			
6.14 Pipe lengths match the drawing:	N/A			
6.15 Fixed pressure loss devices are properly included:	N/A			
6.16 Maximum velocity does not exceed 32 feet per second:	N/A			
6.17 Additional fixed flow(s) is (are) added at the proper location(s):	N/A			
COMMENTS / EXPLANATIONS:				