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TOWN OF GREECE

Department of Technical Services

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Fire Marshal's Office

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Fire Sprinkler System Plans Submittal Checklist

Working plans shall be drawn to an indicated scale on sheets of uniform size

		Rec'd (Y/N)
1	Name of owner and occupant	
2	Location, including street address	
3	Point of compass	
4	Full height cross section, or schematic diagram, including structural member information, if required, for clarity and including ceiling construction and method of protection for non-metallic piping	
5	Location of partitions	
6	Location of fire walls	
7	Occupancy class of each area or room	
8	Location and size of concealed spaces, closets, attics, and bathrooms	
9	Any small enclosures in which no sprinklers are to be installed	
10	Size of city main in street and whether dead end or circulating; if dead end, direction and distance to nearest circulating main; and city main test results and system elevation relative to test hydrant	
11	Other sources of water supply, with pressure or elevation	
12	Make, type, model, and nominal K-factor of sprinklers	
13	Temperature rating and location of high-temperature sprinklers	
14	Total area protected by each system on each floor	
15	Number of sprinklers on each riser per floor	
16	Total number of sprinklers on each dry pipe system, preaction system, combined dry pipe-preaction system, or deluge system	
17	Approximate capacity in gallons of each dry pipe system	
18	Pipe type and schedule of wall thickness	
19	Nominal pipe size and cutting lengths of pipe (or center-to-center dimensions). Where typical branch lines prevail, it shall be necessary to size only one typical line	
20	Location and size of riser nipples	
21	Type of fittings and joints and location of all welds and bends. The contractor shall specify on drawing any sections to be shop welded and the type of fittings or formations to be used	
22	Type and locations of hangers, sleeves, braces, and methods of securing sprinklers, when applicable	
23	All control valves, check valves, drain pipes, and test connections	
24	Make, type, model, and size of alarm or dry pipe valve	
25	Make, type, model, and size of preaction or deluge valve	
26	Kind and location of alarm bells	

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Fire Sprinkler System Plans

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27	Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment	
28	Private fire service main sizes, lengths, locations, weights, materials, point of connection to city main; the sizes, types and locations of valves, valve indicators, regulators, meters, and valve pits; and the depth that the top of the pipe is laid below grade	
29	Piping provisions for flushing	
30	Where the equipment is to be installed as an addition to an existing system, enough of the existing system indicated on the plans to make all conditions clear	
31	For hydraulically designed systems, the information on the hydraulic data nameplate	
32	A graphic presentation of the scale used on all plans	
33	Name and address of contractor	
34	Hydraulic reference points shown on the plan that correspond with comparable reference points on the hydraulic calculation sheets	
35	The minimum rate of water application (density), the design area of water application, in-rack sprinkler demand, and the water required for hose streams both inside and outside	
36	The total quantity of water and pressure required noted at a common reference point for each system	
37	Relative elevations of sprinklers, junction points, and supply or reference pints	
38	If room design method is used, all unprotected wall openings throughout the floor protected	
39	Calculation of loads for sizing and details of sway bracing	
40	The setting for pressure-reducing valves	
41	Information about backflow preventers (manufacturer, size, type)	
42	Information about antifreeze solution used (type and amount)	
43	Size and location of hydrants, showing size and number of outlets and if outlets are to be equipped with independent gate valves. Whether hose houses and equipment are to be provided, and by whom, shall be indicated. Static and residual that were used in flow tests shall be shown	
44	Size, location, and piping arrangement of fire department connections	

Where Applicable:

Water Supply Capacity Information

The following information shall be included:

Location and elevation of static and residual test gauge with relation to

1. The riser reference point
2. Flow location
3. Static pressure, psi (bar)
4. Residual pressure, psi (bar)
5. flow, gpm (L/min)
6. Date
7. Time
8. Test conducted by or information supplied by

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9. Other sources of water supply, with pressure or elevation

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