



John T. Auberger  
Supervisor

# TOWN OF GREECE

*Department of Technical Services*

1 VINCE TOFANY BOULEVARD ~ GREECE, NEW YORK 14612

*Fire Marshal's Office*

Telephone (585) 723-2309 Fax (585)723-2457

## **Fire Sprinkler System Plans Submittal Checklist**

**Working plans shall be drawn to an indicated scale on sheets of uniform size.  
A Licensed Professional with the State of New York shall stamp plans.**

		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 location 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, water flow and tamper device. System shall be monitored	
27	Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment	

## **Fire Sprinkler System Plans Submittal Checklist – Page 2**

<b>28</b>	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	
<b>29</b>	Piping provisions for flushing	
<b>30</b>	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	
<b>31</b>	For hydraulically designed systems, the information on the hydraulic data nameplate	
<b>32</b>	A graphic presentation of the scale used on all plans	
<b>33</b>	Name and address of contractor	
<b>34</b>	Hydraulic reference points shown on the plan that correspond with comparable reference points on the hydraulic calculation sheets	
<b>35</b>	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	
<b>36</b>	The total quantity of water and pressure required noted at a common reference point for each system	
<b>37</b>	Relative elevations of sprinklers, junction points, and supply or reference points	
<b>38</b>	If room design method is used, all unprotected wall openings throughout the floor protected	
<b>39</b>	Calculation of loads for sizing and details of sway bracing	
<b>40</b>	The setting for pressure-reducing valves	
<b>41</b>	Information about backflow preventers (manufacturer, size and type)	
<b>42</b>	Information about antifreeze solution used (type and amount)	
<b>43</b>	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	
<b>44</b>	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
9. Other sources of water supply, with pressure or elevation