



**Claremont Fire Department
Fire Chief Peter S. Chase**

100 Broad Street
Claremont, New Hampshire 03743
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Fire Alarm System Plans Review Checklist

Property location _____	Date of Review _____	
	YES	NO
1. Is application completed in entirety?	_____	_____
2. Are the plans review fee submitted with the application?	_____	_____
3. Does floor plan include all alarm devices?	_____	_____
4. Does floor plan include panel and annunciator locations?	_____	_____
5. Does floor plan include one-line wiring diagram?	_____	_____
6. Does floor plan include a list of alarm points if addressable?	_____	_____
7. Does floor plan include a legend detailing all symbols used in the plans?	_____	_____
8. Are battery calculations included?	_____	_____
9. Is annunciator detail showing zone labeling , master box and point of municipal connection, if applicable, on plan?	_____	_____
10. Is the FACP an approved device?	_____	_____
11. Is the FACP a stand alone system?	_____	_____
12. Will all pull boxes, junction boxes and associated covers installed for the installation of the fire alarm system be painted red ?	_____	_____
13. Is fire alarm cable in metal raceway or conduit?	_____	_____
14. Does fire alarm cable meet requirement of not being mounted within 12 inches of roof deck?	_____	_____
15. Are all FACP's and firefighter telephones equipped with CAT-30 keys?	_____	_____
16. Does manual pull station have dual-action with a CAT-30 key lock reset feature?	_____	_____
17. Are all fire alarm initiating devices and notification appliances predominantly red in color and labeled "FIRE"?	_____	_____
18. Are pull stations not connected to a master box or central Station labeled with a minimum of 1/4" lettering: White Letters on red engraved or silk-screened plastic or metal Reading: "LOCAL ALARM ONLY DIAL 911"?	_____	_____



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19. Is system a supervised DC, battery stand-by fire alarm system?	_____	_____
20. Is a separate AC circuit disconnect provided for the fire alarm system with a breaker lock?	_____	_____
21. Are the batteries used with the FACP capable of operating the panel for 60 hours with a 10 minute ring down at the end of the 60 hour period?	_____	_____
22. If FACP is located in a separate or concealed space, is signage provided on entrance door or near concealed space reading "Fire Alarm System"?	_____	_____
23. If the FACP is not clearly visible from outside the main entrance of the building, is an approved annunciator being installed?	_____	_____
24. Does the FACP have a drill switch to permit fire drills? Drill switch must be clearly labeled "Fire Drill."	_____	_____
25. Do all zones in non-addressable control panels have red alarm indicating lamps and yellow trouble indicating lamps?	_____	_____
26. Is addressable system using alphanumeric display at minimum 80 character LCD with at least 40 characters of usable text?	_____	_____
27. Does FACP have a signal silence and a system reset switch?	_____	_____
28. Does system have a re-sound provision? This provision shall insure that when the system is "silenced" any subsequent alarms from any other zone shall re-sound the evacuation	_____	_____
29. Do the visual indicators of the evacuation signals remain illuminated after the alarm silence or alarm acknowledges switch is operated until the system is reset?	_____	_____
30. For all place of assembly and structures housing 24 or more living units, is the required voice fire alarm system with a slow whoop evacuation signal and supervised microphone public address system in place?	_____	_____
31. Are UL listed audible devices (mini horn or speaker) connected to all dwellings within the fire alarm system?	_____	_____
32. Are all exterior exit ways and each exit from every level fitted with a manual pull station (located within 4 feet of exit way)?	_____	_____
33. Are end of line devices in Class B systems installed electrically last beyond any detection devices in the alarm circuit?	_____	_____
34. Is the location of the end of line device prominently and	_____	_____



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permanently labeled?	_____	_____
35. Is the system smoke detector and 212°F sprinkler head (if sprinkled) installed in all main electrical rooms and elevator equipment rooms?	_____	_____
36. Does each fire alarm zone cover a maximum of 10,000 sq ft?	_____	_____
37. Do all sprinkler zones annunciate separately?	_____	_____
38. Are all structures having multiple tenant access zoned by tenant space?	_____	_____
39. If mercantile Class A, educational occupancy or structure mandated by NFPA 101, does it have the required voice fire alarm system with approved recorded message and a supervised public address system?	_____	_____
40. Is a remote annunciator located at the main entrance mounted to allow unimpaired access and viewing from outside the building? Is it red? Is unit backlit with incandescent lighting?	_____	_____
41. Are remote silence and reset switches momentary operation type and equipped with a #A135 key switch? All keys shall be equipped with spring-loaded, weather resistant key switch covers.	_____	_____
42. Is the remote annunciator equipped with a visual and audio trouble device? This must be audible at 20 feet.	_____	_____
43. Is the location of the FACP permanently labeled on the remote annunciator?	_____	_____
44. If the building is greater than 20,000 sq ft, is the required graphic annunciator in place?	_____	_____
45. Does the building graphic show the building phase with the viewer and indicate in black letters "YOU ARE HERE"?	_____	_____
46. Are building outlines shown in "triple thickness" black? are corridors shown in "double thickness" black and lines of Lesser significance shown in "single thickness"?	_____	_____
47. Do graphics showing significant detail have stairways highlighted or shaded in blue and elevators in yellow?	_____	_____
48. Are all zone boundaries detailed using a red dashed line when applicable?	_____	_____



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49. Are all elevators connected to the system?	_____	_____
50. Are all smoke detectors connected to the appropriate zone?	_____	_____
51. Does elevator recall system reset automatically with the resetting of the FACP?	_____	_____
52. Is the firefighter telephone installed and housed in a box located inside the elevator?	_____	_____
53. Is elevator equipped with a firefighters control key #3502?	_____	_____
54. Is there permanent signage indicating the building street address and elevator location?	_____	_____
55. Is elevator emergency telephone connected to a 24-hour monitoring service as required? (911 is not acceptable.)	_____	_____
56. For sprinkler and standpipe systems, is sprinkler system installed in accordance with NFPA 13, 13D, and 13R?	_____	_____
57. For sprinkler or standpipe system, does building have a manual evacuation fire alarm system connected to the fire dept. through a wired master box?	_____	_____
58. Does sprinkler risers or standpipe systems have low pressure switch on the system side of the check valve located so that a 60% drop in pressure at any location in the system causes activation of alarm?	_____	_____
59. Does sprinkler or standpipe system have alarm initiating retarded waterflow devices?	_____	_____
60. Does vane flow switch have a 0-60 second retard device set to 45 seconds?	_____	_____
61. Does the sprinkler or standpipe system have an inspector's test valve located at the furthest point from the riser?	_____	_____
62. Is each floor zoned separately with a valve to control water flow to the individual zone?	_____	_____
63. Are all elevator control rooms equipped with a shut off valve and tamper switch located outside the room?	_____	_____
64. Are all fire pumps installed in accordance with the provisions put forth in the most recent edition of NFPA 20?	_____	_____
65. Does the sprinkler system have a direct connection to CFD? (This does not apply to NFPA 13D systems.)	_____	_____
66. Do all water shut-off devices have tamper switches installed for supervisory, which does not alarm the FACP?	_____	_____



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67. Does the tamper switch for the post or wall indicating valve annunciate as a supervisory signal separate from the other sprinkler system switches?	_____	_____
68. Is the master box approved?	_____	_____
69. Does the master box have a red indicator lamp over the box with a minimum of a 25 watt incandescent bulb?	_____	_____
70. Is conduit shall be a minimum of 2 inch rigid steel?	_____	_____
71. Is the installer providing 2 #14 solid wires, one black, one white for the master box via a direct metal conduit to the point of aerial connection?	_____	_____
72. Is the master box a local energy type?	_____	_____
73. Are the Knox Box keys and code devices clearly marked and labeled?	_____	_____
74. Is this Knox Box approved?	_____	_____