



Inspection Definitions and Requirements

Golden Gate Fire Control and Rescue District
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This information is only a guide. Additional code requirements may be sighted during fire inspections.

1. Thrust Block (or restraint) Inspection

This inspection ensures hydrants are properly installed and secured to prevent from being disabled due to water hammers. The inspector will check for proper location of the fire hydrant, the approved plans to ensure the right restraint system, and to ensure the restraint system used is installed correctly.

2. Fire Sprinkler Underground Hydrostatic Inspection

This inspection ensures underground fire sprinkler pipe is the right size, type and restraints are installed per plans and the code. The inspector will check for a permit card and the approved plans. He/she will check for coating of metal restraints, ensure the pipe layout is in accordance with the approved plans and see that the backfill does not have large rocks in it. There are two ways acceptable: Mark the gauge with the time and pressure, and the inspector will check for any pressure drops after two hours. In the other method, the inspector takes the gauge reading and come back in two hours. The test shall be done at no less than 200 PSI unless approved by the AHJ. If the pressure drops during this test, NFPA 24 has a meter test to see if the drop is permissible. You need to prepare in advance for this test.

3. Fire Sprinkler Underground Flush

This inspection ensures no foreign objects are in the line that may obstruct the flow of water. This inspection involves the full bore flush of water for a minimum of two minutes. No jumpers are permitted on the system when this inspection is made.

- 4. Fire Sprinkler Rough CPVC Systems**

This inspection ensures no obvious glue plugs are present in the reducing coupling. When the inspector looks at the reducing couplings, there should be no glue on the threads
- 5. Fire Sprinkler Rough Steel or Metal Systems**

This inspection ensures the metal piping was installed per approved plans. This inspection occurs after the metal pipe is sized and reamed before the pipe is hung.
- 6. Fire Sprinkler Above Ground Flush**

This inspection ensures all debris is removed from both CPVC and metal fire sprinkler piping prior to sprinkler heads being installed. The inspector witnesses that the fire system piping is flushed. This may be accomplished one of two ways: The first method is to pressurize the system at static or hydro pressure with plugs in the R/Cs. The inspector must see that the system is under pressure. The second method is to flow water through the system while the inspector is present. The inspector checks head placement and pipe sizes during this inspection.
- 7. Fire Sprinkler Hydro**

This inspection checks for leaks or pressure loss during a given two hour time period. There are two ways acceptable: Mark the gauge with the time and pressure, and the inspector checks for any pressure drops. In the second method, the inspector takes the gauge reading and comes back in two hours. The test shall be done at no less than 200 PSI unless approved by the AHJ.
- 8. Standpipe Underground Hydro**

This inspection ensures underground fire sprinkler pipe is the right size and type, and restraints are installed according to approved plans and to code. The inspector checks for a permit card and the approved plans. He or she checks for coating of metal restraints, ensures the pipe layout is in accordance with the approved plans and sees that the backfill does not have large rocks in it. There are two ways acceptable: In the first method, mark the gauge with the time and pressure, and the inspector checks for any pressure drops. In the second method, the inspector takes the gauge reading and comes back in two hours. If the pressure drops during this test, NFPA 24 provides a meter test that may be used to see if the drop is permissible. You need to prepare in advance for this test.

9. Standpipe Underground Flush

This inspection ensures no foreign objects are in the line that could obstruct the flow of water. This inspection involves the full bore flush of water for a minimum of two minutes. No jumpers are permitted on the system when this inspection is made.

10. Standpipe Flow Test

This inspection ensures the required flows are met during a flow of the system. Each roof outlet is tested, along with all pressure regulating devices. The main drain is also tested. The contractor must supply all equipment and personnel for these tests.

11. Rated Wall Pre-Tape

The inspector ensures dry wall is installed per approved plans. This inspection is made prior to tape or joint compounds being applied. The inspector checks the type of board, the plane of its installation and the maximum gap allowance on $\frac{1}{8}$ non stud, and $\frac{1}{4}$ on stud. The inspector ensures proper screw patterns are used and checks dovetails. A ladder shall be provided for the inspector. Rated walls must be installed.

12. Rated Wall Penetration

This inspection ensures all penetrations in a rated fire assembly are properly protected. The inspector checks penetration fire stop systems and assemblies. The job superintendent, or others, must have all fire stop installation instructions on the premises inspection. A ladder shall be provided for the inspector.

13. Floor to Floor Penetration

Same as above, with the exception that this inspection is specific for those penetrations of rated floor assemblies. A ladder shall be provided for the inspector.

14. Fire Damper

This inspection ensures all fire dampers required in either rated floor or wall assemblies are the correct type, hour rating and are installed per approved plans. The inspector checks the damper for the direction of vane slide, hour fire rating and manufacturer's installation requirements. The inspector randomly checks dampers for function. The inspector also checks for proper access in ducts.

15. Fire Alarm Rough

This inspection ensures wiring for fire alarms and fire monitoring systems is in the correct location. The type of wiring, number of connectors and correct back boxes are also checked. This inspection is done prior to the fire alarm acceptance test. This inspection shall be requested before dry wall or ceilings are installed. The inspector also checks the height devices are mounted at, for cuts or damage wires, and whether high voltage lines are too close to fire alarm wiring.

16. Fire Alarm Acceptance Test

This inspection ensures all fire alarm initiations and notification devices function correctly. Prior to the fire alarm acceptance test, a letter must be submitted to this bureau stating the fire alarm system was tested prior to this inspection. All fire alarm devices and end-of-line devices are tested. The fire alarm control panel is tested for ground faults. Locations of all surge suppression devices are checked. One or more devices may be chosen to initiate a dispatch signal to the monitoring company.

17. Fire Pump Hydro

This inspection ensures all welds and fittings on a fire pump are checked for leaks. This test is the same as No. 6 of this list. This inspection can be done during the above ground hydro of a fire sprinkler system.

18. Pump Acceptance Test

This inspection ensures any fire pump installed is thoroughly run and inspected to ensure the pump was installed correctly and the controllers operate, as required by the code. On electrical pumps, phase reversal will be checked. Diesel pumps will have exhaust and batteries tested.

19. Hood Exhaust Ducts

This inspection ensures duct work to ventilate grease-laden vapors is installed per approved plans and all welds and openings are properly protected. The inspector checks distances to combustible members and the welds to ensure they are external and are liquid tight. He also checks the positions of clean out and ensures gasket material is suitable to withstand up to 1500 degrees.

20. Hood Suppression System

This inspection ensures the fire suppression system is installed correctly and ensures proper activation in the event of a fire. The inspector checks items like fusible links, nozzle type and height off the cooking surface, size of bottles and compatibility of gas valves. He also performs a functional test. The inspector will check the location of the Class K fire extinguisher.

21. Elevator Shaft

This inspection ensures the elevator shaft is of the proper hourly rating and the shaft is built per approved plans. The inspector checks the approved plans on site. He ensures the fire assembly corresponds to the plans and that the shaft is built to specifications.

22. Elevator Recall

This inspection ensures elevators are recalled to the correct floor in an emergency. This inspection is usually done during the Fire Alarm Acceptance Test (see No. 16). During a fire, the elevator is recalled to a floor where a lobby smoke detector has not activated.

23. Fuel Tank

This inspection ensures tanks containing flammable or combustible liquids are installed per plans and required safeguards are present. The inspector checks piping and containment. He also checks dispensing operations and electrical appliances.

24. LP Tank Tie Down

This inspection ensures all propane tanks, whether above or below ground, are properly secured. The inspector checks approved plans to ensure the size of tanks, number of tanks and type of tanks. The inspector also checks insulated tie down straps.

25. Final Fire Inspection

This inspection ensures all codes are met. The inspector addresses issues such as addressing, emergency lighting, exit lighting, location of portable fire extinguishers, locks, latches, paperwork and all other items not previously inspected.

26. Occupational License

This inspection is done when a business is ready to open. The inspector checks breaker boxes, portable fire extinguishers, two wire extension cords, emergency lighting, exit signs, aisle ways, exit doors and all other life safety issues.

All inspections, except Occupational License Inspections, will be cancelled if approved plans and permit cards are not on the job site.

Fee Schedule

The following fee schedule is for fees that are not collected at the time your permit is issued. These fees are to be paid at time of service.

1. Hydrant restraint inspections	\$50.00 per hydrant
2. Hydrant flow tests	\$35.00 per hydrant
3. Alternative water supply / draft hydrants	\$250.00 per hydrant
4. Time specific inspections	\$75.00
5. Occupational License inspections	\$75.00
1 st re-inspection:	N/C
2 nd re-inspection:	\$50.00 additional
3 rd re-inspection:	\$75.00 additional
4 th re-inspection:	\$100.00 additional
5 th re-inspection: and subsequent inspections	\$200.00 additional

All re-inspection fees (except Occupational License inspections) are paid at Collier County Community Development when the Certificate of Occupancy or Certificate of Completion is issued.

Yellow Tag fees (re-inspections fees)

1 st Fail; per unit	\$50.00
2 nd Fail; per unit	\$75.00
3 rd Fail; per unit	\$100.00
4 th Fail; per unit	\$250.00
5 th Fail; per unit	\$500.00