



# MARTIN COUNTY FIRE RESCUE

Fire Prevention  
800 SE Monterey Road  
Stuart, FL 34994  
772 288-5633

Fire\_prev@martin.fl.us



## BUILDING FIRE FINAL INSPECTION Check List

### Applicable Base Codes

All work shall be completed in accordance with the latest adopted edition of the Florida Fire Prevention code and referenced publications within.

**This document is intended to be a guide and may not contain all reimbursements needed to obtain permits and approval from Martin County Fire Rescue/Fire Prevention.**

#### **General Building Features:**

- Confirm shop drawings are approved; **permit on jobsite**
- Verify:
  - Fire department access to the building is provided
  - Lock boxes are installed at the primary point of building access
  - Building is addressed properly with signage
  - All hydrants, valves, FDCs, and appurtenances have proper clearance striping/signage
  - Underground mains and hydrants are installed, approved and in service
  - Fire extinguishers are provided in accordance with the plans
  - Distance of hydrant to standpipe FDC < 100'
  - Hydrant > 50' from building it serves
  - Number of hydrants within 300'

#### **Collect contractors' paperwork for all fire permits after approval**

#### **Fire Alarm System (NFPA 72):**

- Confirm shop drawings are approved
- Verify:
  - Verify panel is online and clear
  - Call dispatch with your location and status
  - For new flow switches and tamper switches, verify operation
  - Verify that dispatch has received an alarm signal
  - Place the alarm system in "Test Mode" to prevent further signals to dispatch
  - Conduct fire alarm operations test



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## **Sprinkler System (NFPA 13):**

- Confirm shop drawings are approved

Verify:

- Sprinkler system fire permit is cleared
- Sprinklers are installed properly as shown on approved plans
- All escutcheon plates are installed properly
- Hydraulic nameplates are installed on each riser

## **Building Life Safety Systems (NFPA 101):**

- Confirm plans are approved

Verify:

- Travel distances/common paths are in accordance with NFPA 101
- Changes in level in the means of egress by ramp/stair
- Trip hazards
- Handrails/guardrails for elevation changes
- Obstructions to clear width of doors/corridors/exits
- Exit signs are visible and legible within 100' of all points in exit access
- Exit signs located at each exit
- Tactile exit signage provided at each exit
- Exit stair construction is rated, continuous and enclosed
- Exit stairs/ramps contain handrails and guardrails
- Tactile exit stair and stair identification signage is provided
- Panic hardware is provided on exit doors from assembly, educational and/or day care facilities
- All fire-rated doors are auto-closing, latching and listed
- Door opening forces (30 lbf to start; 15 lbf to open)
- Exits discharge to public way
- Fire rated construction has listed assemblies
- Emergency generator system meets NFPA 110
- Automatic transfer to emergency power < 10 seconds
- Emergency lighting is provided in the means of egress
- Illumination at floor level of egress path is at least 1 ft-candle; max contrast 40:1, no less than 0.2 ft-candle with outage
- Occupant content signs have been placed near the main exit and each area in assembly occupancies; must match approved
- Access control systems meet Life Safety Code (LSC)
- Elevator lobbies have a means of egress
- Finish materials meet LSC
- Furniture layout meets plan for all assemblies
- Electric panel clearance 36", panel marked, no openings
- Extension cords used properly



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## Operational Test — Fire Pumps (NFPA 20) (Fire Pump Certification) (Fire Standpipe)

- Confirm shop drawings are approved; **permit on jobsite**
- General Inspection:**
- Pump manufacturer, engine manufacturer, controller manufacturer and transfer switch manufacturer (or their respective representatives) shall be present during the test
- A copy of the fire pump acceptance test data paperwork must be received prior to fire pump inspection request
- All electrical wiring to the fire pump motor, including controllers, emergency power supply and jockey pump must be completed, inspected and approved
- The manufacturer shall provide a certified pump test characteristic curve for comparison to acceptance test results
- The fire pump shall be operated for at least 1 hour cumulative time during acceptance testing
- The fire pump or controlling equipment shall not experience overheating, excessive vibration or over-current during acceptance testing
- Alarm conditions shall annunciate locally and through the building fire alarm system for fire pump, controller and control valves (phase or power loss, phase reversal, pump running, transfer switch in emergency)
- The fire pump must have a nameplate, suction and discharge gauges, and a suitable means to discharge and calibrate flow during a flow test (exterior test header with hose outlets as specified by NFPA 20, Table 5.25).
- The fire pump must have a pump bypass configuration
- Reducers on the pump suction must be eccentric
- Elbows installed in the parallel plane of a horizontal split-case pump shall be placed at least 10 supply pipe diameters in distance from the pump suction
- A check valve is required in each fire and jockey pump discharge assembly
- All flow meters and gauges must be calibrated within the past 12 months
- The jockey pump must stop at the fire pump churn pressure plus the minimum county static supply
- Jockey pump must start at the jockey pump stop pressure — 10 psi
- Fire pump must start at the jockey pump stop pressure— 5 psi
- Fire pump will return to normal state at the rated pressure plus the minimum county static (a timed automatic shutoff is permitted once the pump returns to normal state and a runtime of 10 minutes for electric, 30 minutes for engine driven, is complete)
- Contractor's certification paperwork collected at BLD Fire Final