# Truckee Meadows Fire Protection District

# Inspection Scheduling Guide

December 15, 2020

## INTRODUCTION

This guide is intended to provide developers and contractors with general information of what is expected for the various types of fire inspections. Time is a commodity to the Truckee Meadows Fire Protection District (TMFPD) just as it is to your company and customers. It is always advisable and generally required that your company and/or sub-contractor perform a quality control inspection on all work prior to scheduling an inspection of any type. Proper preparation by your sub-contractors and yourself prior to scheduling inspections significantly increases the chances of the inspection(s) being accepted and continuing the construction process.

When you schedule an inspection with the District it is for acceptance of the system or verification that the scheduled inspection meets the required Fire Code and/or standard applicable to that inspection. The Fire Prevention Specialist reserves the right to determine your readiness for the requested inspection. If they observe that significant aspects of the scheduled inspection are deficient, the inspection may be ended, and you may be issued a reinspection fee for that inspection.

This document was created as a guideline to assist developers and contractors with the TMFPD's inspection process. Nothing in this document limits the jurisdiction from enforcing any provision or reference of an adopted code, standard, and/or ordinance not specifically listed herein. The TMFPD performs acceptance testing and field verification for compliance with all adopted codes, standards, and ordinances, however the developer or contractors designing and installing systems are ultimately responsible for ensuring that code compliance has been fully met.

Permits may be obtained from the Washoe County Building Department or the Truckee Meadows Fire Protection District. All inspections will be scheduled through the One NV website.

## GENERAL REQUIREMENTS

1. Be ready at 0700 hours on the day of your scheduled inspection. All work scheduled for the inspection must be completed and it is your responsibility to ensure that it has been completed. If your work is not ready for inspection at the start of the day in which you have scheduled the inspection, it may result in a reinspection fee if you state that you are unable to make the time set by the Fire Prevention Specialist.

2. A Fire Prevention Specialist will contact you by 0730 hours to arrange a time on the day of your scheduled inspection.

3. Be on time for your scheduled inspection. Being fifteen (15) minutes or later for your scheduled inspection is grounds for the Fire Prevention Specialist to end the inspection and issue a reinspection fee. All fees issued must be paid prior to your next scheduled inspection.

4. Have the appropriate Accepted Plans (stamped) and Permit available on the job site for all requested inspections.

5. Schedule appropriate inspection(s) with corresponding permit. Failure to schedule all required and/or requested inspections may result in being charged a same day inspection fee (Fire Prevention Specialist's schedule permitting) or scheduling the additional inspections after normal business hours (After Hours Inspection Fees apply as well as availability of the Fire Prevention Specialist) or on the following day. All same day and/ or after-hours inspection fees must be paid prior to the scheduled inspection.

**PRIVATE FIRE SERVICE MAINS AND RISER STUB INSPECTIONS- Washoe County Building Permits**

PRIVATE FIRE SERVICE MAIN VISUAL - **Scheduling Code 100**

1. Pipe shall be installed (Fabrication Stamping facing upward on all pieces) to the proper minimum depth and set on a minimum of four (4") inches of clean fill, Type II, or Type III Aggregate compacted to 90% max. density. The same fill material shall be placed and compacted to 90% max. density from the bottom to the center line of the piping installed with six (6") to twelve (12") of clearance on each side.

2. All required thrust blocks(kickers)/mechanical restraint shall be complete and ready for inspection.

Minimum Depth of Bury - Thirty-six (36") inches below grade

1. Sewer main must be located at least eighteen (18") inches lower than the water main.

2. Sewer main must be located at least eighteen (18") inches lower than the water service lateral.

3. Sewer service lateral must be located at least twelve (12") inches lower than the water main or water service lateral.

PRIVATE FIRE SERVICE MAIN HYDROSTATIC - **Scheduling Code 102**

1. All piping scheduled for testing shall be pressurized to 200 psi or 50 psi in excess of the system working pressure, whichever is greater by 0730 hours on the day of the scheduled inspection.

    A. If the Fire Department Connection (FDC) is on the building it shall be pressurized along with the sprinkler system hydrostatic test.
    B. If the FDC is a yard type, after it has been flushed through its riser and connected to the sprinkler system, it shall be hydrostatically tested.

2. Pipe Zone shall be filled utilizing clean fill, Type II, or Type III Aggregate compacted to 90% max. density a minimum of twelve (12") inches shall be completed along all portions of piping except for within two feet of any bells and/or thrust blocks for radial turns, tees, etc.

3. Locator ribbon shall be installed along the top of the compacted fill at this inspection the entire length of all piping to be inspected.

PRIVATE FIRE SERVICE MAIN FLUSH - **Scheduling Code 103**

Flushing of piping shall be performed through the 4” or 4.5” outlet using a gauged diffuser or a pitot to verify flow rate. All piping has been hydrostatically tested and accepted. Coordinate with the site superintendent due to the amount of water that will be flowed on-site. This inspection may be scheduled with a Riser Stub Flush 106 inspection; however, each inspection must be scheduled.

Table 10.10.2.1.3 Flow Required to Produce Velocity of 10 ft/sec in Pipes

| **Nominal Pipe Size** | | **Flow Rate** | |
|---|---|---|---|
| **in.** | **mm** | **gpm** | **L/min** |
| 2 | 50 | 100 | 380 |
| 2 1⁄2 | 65 | 150 | 570 |
| 3 | 75 | 220 | 833 |
| 4 | 100 | 390 | 1500 |
| 5 | 125 | 610 | 2300 |
| 6 | 150 | 880 | 3350 |
| 8 | 200 | 1560 | 5900 |
| 10 | 250 | 2440 | 9250 |
| 12 | 300 | 3520 | 13,300 |

RISER STUB - **Scheduling Code 105**

Install pre-fab or built-up riser and pour required thrust block (kicker) prior to requesting inspection. Do not cover Riser Stub and ensure no concrete is poured on the top of the 90-degree elbow or bend.

Built-up risers must be appropriately wrapped for soil conditions.

RISER STUB FLUSH - **Scheduling Code 106**

All piping has been hydrostatically tested and accepted. Coordinate with the site superintendent due to the amount of water that will be flowed on-site. This inspection may be scheduled with a Private Fire Main Flush 102 inspection; however, each inspection must be scheduled.

**AUTOMATIC FIRE SPRINKLER SYSTEM INSPECTIONS- TMFPD Permits**

SPRINKLER SYSTEM ROUGH 13 - **Scheduling Code 200**

* Partial inspections may result in our department charging additional inspection fees. Original permit fees cover the cost of one (1) Plan Review, one (1) Overhead Rough/Hydro 13 Inspection, and one (1) Sprinkler Final 13 Inspection.

1. All piping is installed in accordance with accepted plans and standards.

2. All piping is supported in accordance with accepted plans and standards.

   **NOTE:** When sprinkler piping is hung from the bottom of trusses, documentation stating that the trusses are structurally designed to support the weight of the water-filled pipe plus a temporary load of 250 lbs. must be provided to the Fire Prevention Specialist.

3. All sprinkler heads are installed in accordance with accepted plans and the standard.

4. All areas are exposed for inspection and nothing related to the sprinkler system is covered.

5. Company representative for the inspection has a current "G" Card issued by the Nevada State Fire Marshal's Office.

6. For ceiling heights sixteen (16) feet or greater above finished floor, you must have a working lift, that accommodates at least two (2) people, available for all Overhead Rough/Hydro 13 Inspections.

This inspection may be scheduled with a Sprinkler System Hydrostatic 13 202 inspection; however, each inspection must be scheduled. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

CONCEALED COMBUSTIBLE SPACE - **Scheduling Code 203**

* Partial inspections may result in our department charging additional inspection fees.

All areas in buildings protected with a sprinkler system that meet the definition of concealed combustible space as defined by NFPA 13 in which sprinkler protection is not provided, shall be completely filled with non-combustible insulation.

1. Completely fill all concealed combustible spaces with non-combustible insulation and leave open for inspection.

This inspection should be scheduled by the General Contractor by utilizing the Sprinkler Contractors permit number. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

SPRINKLER SYSTEM HYDROSTATIC 13 - **Scheduling Code 202**

* Partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule. Original permit fees cover the cost of one (1) Plan Review, one (1) Overhead Rough/Hydro 13 Inspection, and one (1) Sprinkler Final 13 Inspection.

1. System shall be pressurized to 200 psi or 50 psi in excess of the system working pressure, whichever is greater by 0730 hours on the day of the scheduled inspection.
    A. If the Fire Department Connection (FDC) is on the building it shall be pressurized along with the sprinkler system for this test.
    B. If the FDC is a yard type, after it has been flushed through its riser and connected to the sprinkler system, it shall be hydrostatically tested.

2. All piping is installed in accordance with accepted plans and standards.

    **NOTE:** When piping is hung from the bottom of trusses, documentation stating that the trusses are structurally designed to support the weight of the water-filled pipe plus a temporary load of 250 lbs. must be provided to the Fire Prevention Specialist.

3. All piping is supported in accordance with accepted plans and standards.

4. All sprinkler heads are installed in accordance with accepted plans and the standard.

5. All areas are exposed for inspection and nothing related to the sprinkler system is covered.

6. Company representative for the inspection has a current “G” Card issued by the Nevada State Fire Marshal’s Office.

7. For ceiling heights sixteen (16) feet or greater above finished floor, you must have a working lift, that accommodates at least two (2) people, available for all Overhead Rough/Hydro 13 Inspections.

This inspection may be scheduled with a Sprinkler System Rough 13 200 inspection; however, each inspection must be scheduled. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

SPRINKLER SYSTEM FINAL 13 - **Scheduling Code 205**

1. All drywall work (hole patching, painting, etc.) is completed in a two (2) foot radius of all

sprinkler heads.

2. All sprinkler head deflectors are set to the minimum acceptable distance below the ceiling.

3. All sprinkler heads, covers, or escutcheons shall be free of foreign matter (paint, drywall mud, etc.). Heads found with foreign matter shall be replaced.

4. Hydraulic Calculation plate shall be permanently marked (legible) and affixed at the sprinkler system riser in accordance with NFPA 13.

5. A stock of spare sprinklers (as required by NFPA 13) and sprinkler wrench shall be provided in a box located in the Riser Room.

6. All sprinkler system valves are electronically monitored and ready for testing. The sprinkler monitoring company must be scheduled for an inspection on the same day you schedule a Sprinkler Final 13 inspection.

7. An orifice or reducer equal to the smallest orifice size of any sprinkler heads installed on the system shall be installed in the Inspector's Test outlet.

8. A correctly and legibly completed Contractor's Material and Test Certificate for Aboveground Piping as found in NFPA 13 shall be provided to the Fire Prevention Specialist along with a Certificate of Completion. Documents that are not completed or are found to be incorrectly completed are grounds to reject the inspection and issue a reinspection fee.

9. Company representative for the inspection has a current "G" Card issued by the Nevada State Fire Marshal's Office.

10. For ceiling heights sixteen (16) feet or greater above finished floor, you must have a working lift, that accommodates at least two (2) people, available for all Overhead Rough/Hydro 13 Inspections.

This inspection should be coordinated and scheduled with Sprinkler System Monitoring 311 inspection. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

DRY SPRINKLER SYSTEM - PNEUMATIC TEST - START - **Scheduling Code 223**

Inspection 200 should have already been scheduled and accepted prior to scheduling this inspection.

1. System shall be pressurized to at least 40 psi by 0730 hours on the day of the scheduled inspection. The actual twenty-four (24) hour test time will start upon notification of the

Fire Prevention Specialist.

2. Fire Prevention Specialist will require the contractor to disable and lock out the electrical circuit serving the compressor.

3. All piping is installed in accordance with accepted plans and standards.

4. All piping is supported in accordance with accepted plans and standards.

5. All sprinkler heads are installed in accordance with accepted plans and the standard.

6. Company representative for the inspection has a current "G" Card issued by the Nevada State Fire Marshal's Office.

A Dry Sprinkler System Pneumatic Test - End 224 inspection is to be scheduled at the same time as this inspection for the following day. To schedule this inspection on a Friday or Saturday, you must obtain prior approval and will be charged after hours inspection fees in accordance with our Permit and Fee Schedule.

DRY SPRINKLER SYSTEM - PNEUMATIC TEST - END - **Scheduling Code 224**

1. Fire Prevention Specialist will return twenty-four (24) hours after the test began.

2. Fire Prevention Specialist will verify that the electrical circuit to the compressor is still disabled and locked out.

3. Fire Prevention Specialist will verify the pressure is within 1.5 psi of the previous days starting pressure reading.

SPRINKLER SYSTEM ROUGH 13D - **Scheduling Code 210**

1. All piping is installed in accordance with accepted plans and standards.

2. All sprinkler heads are installed in accordance with accepted plans and standards.

3. All areas are exposed for inspection and nothing related to the sprinkler system is covered.

4. Company representative for the inspection has a current "J" Card issued by the Nevada State Fire Marshal's Office.

SPRINKLER SYSTEM FINAL 13D **- Scheduling Code 215**

1. Water meter is installed at the street and the feed piping installed is in accordance with accepted plans and standards.

2. The system is charged to normal operating pressure (street pressure) for the inspection.

3. All drywall work (hole patching, painting, etc.) is completed in a two (2) foot radius of all sprinkler heads.

4. All sprinkler head deflectors are set to the minimum acceptable distance below the ceiling.

5. All sprinkler heads, covers, or escutcheons shall be free of foreign matter (paint, drywall mud, etc.). Heads or concealed head covers found with foreign matter shall be replaced.

6. All smoke detectors installed and interlocked for testing.

7. Hydraulic Calculation plate shall be permanently marked (legible) and affixed at the sprinkler system riser in accordance with NFPA 13D.

8. Open test valve fully to observe that no obstructions have entered the piping.

9. Company representative for the inspection has a current "J" Card issued by the Nevada State Fire Marshal's Office.

SPRINKLER SYSTEM ROUGH 13R - **Scheduling Code 220**

* Partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule. Original permit fees cover the cost of one (1) Plan Review, one (1) Overhead Rough/Hydro 13R Inspection, and one (1) Sprinkler Final 13R Inspection.

1. All piping is installed in accordance with accepted plans and standards.

2. All sprinkler heads are installed in accordance with accepted plans and the standard.

3. All areas are exposed for inspection and nothing related to the sprinkler system is covered.

4. Company representative for the inspection has a current "G" Card issued by the Nevada State Fire Marshal's Office.

This inspection may be scheduled with a Sprinkler System Hydrostatic 13R 222 inspection; however, each inspection must be scheduled. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

SPRINKLER SYSTEM HYDROSTATIC 13R - **Scheduling Code 222**

* Partial inspections may result in our department charging additional inspection fees. Original permit fees cover the cost of one (1) Plan Review, one (1) Overhead Rough/Hydro 13R

Inspection, and one (1) Sprinkler Final 13R Inspection.

1. System shall be pressurized to 200 psi or 50 psi in excess of the system working pressure, whichever is greater by 0730 hours on the day of the scheduled inspection. The actual two-hour test time will start upon the Fire Prevention Specialist's arrival.
    A. If the Fire Department Connection (FDC) is on the building it shall be pressurized along with the sprinkler system for this test.
    B. If the FDC is a yard type, after it has been flushed through its riser and connected to the sprinkler system, it shall be hydrostatically tested.

2. All piping is installed in accordance with accepted plans and standards.

3. All sprinkler heads are installed in accordance with accepted plans and the standard.

4. All areas are exposed for inspection and nothing related to the sprinkler system is covered.

5. Company representative for the inspection has a current "G" Card issued by the Nevada State Fire Marshal's Office.

This inspection may be scheduled with a Sprinkler System Rough 13R 220 inspection; however, each inspection must be scheduled. This inspection scheduled by itself may in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

SPRINKLER SYSTEM FINAL 13R - **Scheduling Code 225- TMFPD Permit**

1. All drywall work (hole patching, painting, etc.) is completed in a two (2) foot radius of all sprinkler heads.

2. All sprinkler head deflectors are set to the minimum acceptable distance below the ceiling.

3. All sprinkler heads, covers, or escutcheons shall be free of foreign matter (paint, drywall mud, etc.). Heads or concealed head covers found with foreign matter shall be replaced.

4. Hydraulic Calculation plate shall be permanently marked (stamped/legibly inscribed) and affixed at the sprinkler system riser in accordance with NFPA 13R.

5. A stock of spare sprinklers (as required by NFPA 13R), sprinkler wrench, and a copy of NFPA 25 shall be provided in a box located in the Riser Room.

6. All sprinkler system valves are electronically monitored and ready for testing. The sprinkler monitoring company must be scheduled for an inspection on the same day you schedule a Sprinkler Final 13R inspection.

7. An orifice or reducer equal to the smallest orifice size of any sprinkler heads installed on the system shall be installed in the Inspector's Test outlet.

8. A correctly and legibly completed Contractor's Material and Test Certificate for Aboveground Piping as found in NFPA 13R shall be provided to the Fire Prevention Specialist along with a Certificate of Completion. Documents that are not completed or are found to be incorrectly completed are grounds to reject the inspection and issue a reinspection fee.

9. Company representative for the inspection has a current "G" Card issued by the Nevada State Fire Marshal's Office.

This inspection must be coordinated and scheduled with Sprinkler System Monitoring 311 inspection to pass. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

FIRE PUMP - **Scheduling Code 230**

* Partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule. Original permit fees cover the cost of one (1) Plan Review, one (1) Fire Pump Acceptance Test.

1. All piping must be hydrostatically tested and flushed prior to pump installation.

2. Ensure installation is complete and in accordance with accepted plans. All required utilities for the fire pump must be operational.

    2a. If a second pump is required at the project site, it must be complete and ready for testing also.

    2b. If the fire pump is located in a separate pump house, the sprinkler protection for the pump house must have been hydrostatically tested and it supply piping flushed prior to testing.

3. Provide pump acceptance test data in writing to the Fire Prevention Specialist for review.

Must be coordinated with Fire Alarm System Final 305 and Fire Alarm System Monitoring 310 Inspections. This inspection scheduled by itself may result in a partial inspection.
Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

STANDPIPE SYSTEM ROUGH/HYDROSTATIC - **Scheduling Code 260**

* Partial inspections may result in our department charging additional inspection fees. Original permit fees cover the cost of one (1) Plan Review, one (1) Standpipe System Rough/Hydro Inspection, and one (1) Standpipe System Flow Test/Final Inspection.

1. System shall be pressurized to 200 psi or 50 psi in excess of the system working pressure, whichever is greater by 0730 hours on the day of the scheduled inspection. The actual two-hour test time will start upon the Fire Prevention Specialist's arrival.
   A. If the Fire Department Connection (FDC) is on the building it shall be pressurized along with the sprinkler system for this test.
   B. If the FDC is a yard type, after it has been flushed through its riser and connected to the sprinkler system, it shall be hydrostatically tested.

2. All piping is installed in accordance with accepted plans and standards.

   **NOTE:** When piping is hung from the bottom of trusses, documentation stating that the trusses are structurally designed to support the weight of the water-filled pipe plus a temporary load of 250 lbs. must be provided to the Fire Prevention Specialist.

3. All piping is supported in accordance with accepted plans and standards.

4. All areas are exposed for inspection and nothing related to the sprinkler system is covered.

5. Company representative for the inspection has a current "I" Card issued by the Nevada State Fire Marshal's Office.

6. For ceiling heights sixteen (16) feet or greater above finished floor, you must have a working lift, that accommodates at least two (2) people, available for all Standpipe System Rough/Hydro Inspections.

STANDPIPE SYSTEM FLOW TEST/FINAL - **Scheduling Code 265**

1. Hydraulic Calculation plate shall be permanently marked (stamped/legibly inscribed) and affixed at the standpipe system FDC in accordance with NFPA 13 and 14.

2. All standpipe system valves are electronically monitored and ready for testing. The sprinkler monitoring company must be scheduled for an inspection on the same day you schedule a Standpipe System Flow Test/Final Inspection.
3. A correctly and legibly completed Contractor's Material and Test Certificate for Aboveground Piping as found in NFPA 13 and 14 shall be provided to the Fire Prevention Specialist along with a Certificate of Completion. Documents that are not completed or are found to be incorrectly completed are grounds to reject the inspection and issue a reinspection fee.

4. Company representative for the inspection has a current "I" Card issued by the Nevada

State Fire Marshal's Office.

5. Your technician must have measuring devices, tools, and sufficient personnel (Two or more) readily available to ensure that a proper acceptance test can be performed, i.e. static gauge(s), pitot(s) of flow meter device(s), etc.

6. Provide final flow test calculations in writing to the Fire Prevention Specialist for review.

Must be coordinated with Fire Alarm System Final 305 and Fire Alarm System Monitoring 310 Inspections.

**SPRINKLER SYSTEM MONITORING and FIRE ALARM SYSTEM INSPECTIONS- TMFPD Permits**

FIRE ALARM SYSTEM - ROUGH ELECTRICAL - **Scheduling Code 300**

This inspection is to verify conduit and device placement are in accordance with accepted plans.

1. Horn/Strobe locations per approved plans.

2. Smoke detector conduit- devices no further than 15 feet from any wall or 3 feet from AC/ heat register.

3. All devices must be present, installed in accordance with NFPA 72 and manufacturer specifications, operational, and properly addressed. If any of these items are not present, non-operable/malfunctioning, and/or incorrectly addressed or installed, the inspection will not be accepted, and a reinspection fee will be charged in accordance with our Permit and Fee Schedule.

FIRE ALARM SYSTEM 24 HR BATTERY TEST - START - **Scheduling Code 301**

1. Accepted Central Station or Proprietary Station monitoring must be established prior to scheduling and it is recommended that it is established for your pre-test.

2. Fire Prevention Specialist will request a completed and signed pre-test report at this time. Failure to provide a completed and signed pre-test report may result in the inspection not being accepted and a reinspection fee being charged.

3. Fire Prevention Specialist will verify A/C power is disconnected and locked out.

A Fire Alarm System 24hr Battery Test - End 302 inspection is to be scheduled at the same time as this inspection for the following day. To schedule this inspection on a Friday or Saturday, you must obtain prior approval and will be charged after hours inspection fees in accordance with our Permit and Fee Schedule.

FIRE ALARM SYSTEM 24 HR BATTERY TEST - END - **Scheduling Code 302**

1. Accepted Central Station or Proprietary Station monitoring must be established prior to scheduling the inspection and it is recommended that it is established for your pre-test.

2. All devices must be present, installed in accordance with NFPA 72 and manufacturer specifications, operational, and properly addressed. If any of these items are not present, non-operable/malfunctioning, and/or incorrectly addressed or installed, the inspection will be not be accepted and a reinspection fee being charged.

3. A Fire Prevention Specialist will return at the time A/C power was disconnected on the previous day.

4. Perform five (5) minute alarm test.

If all device testing is to be conducted at this inspection, you must also have scheduled a Fire Alarm System Final 305 inspection.

FIRE ALARM SYSTEM FINAL - **Scheduling Code 305**

1. Accepted Central Station or Proprietary Station monitoring must be established prior to scheduling the inspection and is required for your pre-test.

2. All devices must be present, installed in accordance with NFPA 72 and manufacturer specifications, operational, and properly addressed. If any of these items are not present, non-operable/malfunctioning, and/or incorrectly addressed or installed, the inspection will not be accepted and a reinspection fee will be charged.

3. Fire Prevention Specialist will request a completed and signed pre-test report at this time. Failure to provide a completed and signed pre-test report may result in the inspection not being accepted and a reinspection fee being issued. This will also cause the start and end of the inspection to be rescheduled. The installing technician(s) are required to pre-test all devices and the system in its entirety and make required corrections prior to scheduling the inspection.

4. Your technician must have measuring devices, tools, and sufficient personnel (Two or more) readily available to ensure that a proper acceptance test can be performed, i.e. tape measure(s), ladder(s), lift(s), decibel meter(s), etc.

This inspection must be coordinated with Fire Alarm System Monitoring 310 inspection.

FIRE ALARM SYSTEM MONITORING - **Scheduling Code 310**

1. Accepted Central Station or Proprietary Station monitoring must be established prior to scheduling the inspection and it is required for your pre-test.

2. All devices must be present, installed in accordance with NFPA 72 and manufacturer

specifications, operational, and properly addressed. If any of these items are not present, non-operable/malfunctioning, and/or incorrectly addressed or installed, the inspection will be not be accepted and will be charged a reinspection fee.

3. Pre-test all devices to be monitored prior to scheduling the inspection and make required corrections.

Must be coordinated with Fire Alarm System - Final 305 inspection. Should attempt to coordinate with Sprinkler System Monitoring 311 inspection also.

SPRINKLER SYSTEM MONITORING - **Scheduling Code 311**

1. Pre-test all devices to be monitored prior to scheduling the inspection and make required corrections.

2. Accepted Central Station or Proprietary Station monitoring must be established prior to scheduling the inspection and it is required that it is established for your pre-test.

Failure to properly pre-test all required monitoring may result in the inspection not being accepted and will be charged a reinspection fee.

This inspection should be coordinated and scheduled with Sprinkler System Final 13R 225 or Sprinkler System Final 13 205 inspection as applicable.

WATERFLOW NOTIFICATION APPLIANCE ADDITION - **Scheduling Code 312**

1. Pre-test device(s) prior to scheduling the inspection and make required corrections. Device must be set to the Temporal Three (3) settings.

Failure to properly pre-test all required monitoring may result in the inspection not being accepted and will be charged a reinspection fee.

This inspection should be coordinated and scheduled with Sprinkler System Final 13 205 inspection as applicable.

HAZARDOUS MATERIALS ALARM MONITORING - **Scheduling Code 313**

1. Accepted Central Station or Proprietary Station monitoring must be established prior to scheduling the inspection and it is required that it is established for your pre-test.

2. All devices must be present, installed in accordance with NFPA 72 and manufacturer specifications, operational, and properly addressed. If any of these items are not present, non-operable/malfunctioning, and/or incorrectly addressed or installed, the inspection will be not be accepted and will be charged a reinspection fee.

3. Fire Prevention Specialist will request a completed and signed pre-test report at this time.

Failure to provide a completed and signed pre-test report may result in the inspection not being accepted and a reinspection fee being issued. This will also cause the start and end of the inspection to be rescheduled. The installing technician(s) are required to pre-test all devices and the system in its entirety and make required corrections prior to scheduling the inspection.

4. Your technician must have measuring devices, tools, and sufficient personnel (Two or more) readily available to ensure that a proper acceptance test can be performed, i.e. tape measure(s), ladder(s), decibel meter(s), etc.

Must be coordinated with inspection Fire Alarm System - Final 305 inspection.

SMOKE CONTROL/SMOKE EXHAUST SYSTEM VERIFICATION - **Scheduling Code 320**

1. All smoke control dampers are installed and operational.

2. Smoke Control Dampers are readily accessible to visually verify operation.

SMOKE CONTROL/SMOKE EXHAUST SYSTEM FINAL - **Scheduling Code 321**

* Partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule. Original permit fees cover the cost of one (1) Plan Review, one (1) Inspection, and one (1) Final Inspection.

1. Inspection will generally be conducted in partial inspections.

2. Contractor/Developer will be responsible for all overtime cost associated with completing the required testing.

3. Third party special inspection agency will present all final documentation to the Fire Prevention Specialist.

**EXTINGUISHING SYSTEM INSPECTIONS- TMFPD Permits**

WET - DRY EXTINGUISHING SYSTEM - **Scheduling Code 325**

Type I Hood Extinguishing Systems

1. All utilities required are complete and operational.

2. Hood installed is in accordance with accepted plans and NFPA 96.

3. Extinguishing system has been installed in accordance with the accepted plans, NFPA 17A and 96, and all other applicable codes and is ready for acceptance testing.

4. All appliances installed under the hood shall be as indicated on the accepted plans. Any changes will require that the plans be submitted to TMFPD for review before testing.

5. Company representative for the inspection has a current "E" Card issued by the Nevada State Fire Marshal's Office.

If a Fire Alarm System is present, this system must be connected to it and should be scheduled with Fire Alarm System Final 305 and Fire Alarm System Monitoring 310 inspections.

Spray Booth utilizing Dry-Extinguishing Systems

1. All utilities required are complete and operational.

2. Booth installed is in accordance with accepted plans.

3. Extinguishing system has been installed in accordance with the accepted plans, NFPA 17, and all other applicable codes and is ready for acceptance testing.

4. Company representative for the inspection has a current "E" Card issued by the Nevada State Fire Marshal's Office.

If a Fire Alarm System is present, this system must be connected to it and should be scheduled with Fire Alarm System Final 305 and Fire Alarm System Monitoring 310 inspections.

CLEAN AGENT SYSTEM ROUGH - **Scheduling Code 330**

1. Construction of the area to be protected is complete.

2. Extinguishing system has been installed in accordance with the accepted plans, NFPA 2001, and all other applicable codes and is ready for acceptance testing.

3. System has been pre-tested and found to be in compliance. Fire Prevention Specialist will request a completed and signed pre-test report at this time. Failure to provide a completed and signed pre-test report may result in a failed inspection and a reinspection fee being issued and both the start and end of the inspection shall be rescheduled. The installing technician(s) are required to pre-test all devices and the system in its entirety and make required corrections prior to scheduling the inspection.

This inspection should be coordinated and scheduled with inspection 331. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

CLEAN AGENT SYSTEM 15min PNEUMATIC TEST - **Scheduling Code 331**

1. Clean Agent System Rough 330 must be completed and/or scheduled at the same time.

2. System must be pneumatically tested in a closed circuit for a period of 10 minutes at 150 psi. At the end of 10 minutes, the pressure drop shall not exceed 20 percent of the test pressure. When pressurizing the piping, pressure shall be increased in 50 psi increments.

   CAUTION: Pneumatic pressure testing creates a potential risk of injury to personnel in the area, as a result of airborne projectiles, if rupture of the piping system occurs. Prior to conducting the pneumatic pressure test, the protected area shall be evacuated, and appropriate safeguards shall be provided for test personnel.

   **Exception:** The pressure test shall be permitted to be omitted if the total piping contains no more than one change in direction fitting between the storage container and the discharge nozzle, and where all piping is physically checked for tightness.

This inspection should be coordinated and scheduled with inspection 330. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

CLEAN AGENT SYSTEM DOOR FAN TEST/FINAL - **Scheduling Code 335**

1. Technician must have measuring devices, tools, and sufficient personnel (Two or more) readily available to ensure that a proper acceptance test can be performed.

2. Provide documentation of maximum leakage allowed.

3. Provide Inspector with a copy of final test document indicating maximum leakage from area protected.

Must be scheduled with Fire Alarm System Final 305 and Fire Alarm System Monitoring 310 inspections. This inspection scheduled by itself may result in a partial inspection. Numerous partial inspections may result in additional fees being charged in accordance with our Permit and Fee Schedule.

SPRAY BOOTH FINAL - **Scheduling Code 800**

1. Inspection of Fire Protection is completed and accepted. Sprinkler Final 13 205 is completed and accepted if sprinklers were installed to protect the booth. Wet - Dry Extinguishing System 325 is completed and accepted if this system was installed to protect the booth.

2. All equipment is present and operation of spray equipment is proven inoperable when the exhaust to the booth is shut off.

**MEDICAL GAS SYSTEMS- TMFPD Permits**

The third-party special inspection agency will present all final documentation to the Fire

Prevention Specialist. All alarm testing shall be conducted by third party special inspection agency.

**UNDERGROUND and ABOVE GROUND STORAGE TANKS- Washoe County Building Department Permits**

UNDERGROUND STORAGE TANK - TANK PLACEMENT - **Scheduling Code 400**

1. Tank numbers and vacuum gauge readings shall be recorded by the installer prior to placement.

2. Tank is installed in accordance with the accepted plans and all other applicable codes and standards.

3. A Fire Prevention Specialist will document and verify tank numbers and vacuum gauge readings, distance between multiple tanks, distance to property line(s), etc.

UNDERGROUND STORAGE TANK - PRODUCT PIPING - **Scheduling Code 401**

1. Piping shall be hydrostatically pressurized to 150 percent of the maximum anticipated pressure of the system or pneumatically to 110 percent of the maximum anticipated pressure of the system, and the test pressure shall be maintained while a complete visual inspection of all joints and connections is conducted. Pressurization of piping shall be completed by 0730 hours on the day of the scheduled inspection.

2. The Fire Prevention Specialist will inspect the piping with the installer spraying a soap and water solution on the piping to search for leaks.

3. The test pressure gauge shall read not less than 5 psi at the highest point of the system and test pressure shall be maintained for ten (10) minutes.

UNDERGROUND STORAGE TANK - TANK COVER - **Scheduling Code 402**

1. Installer will provide documentation to the Fire Prevention Specialist as to the type and amount of cover utilized.

2. Fire Prevention Specialist shall verify rebar and tank cover method is installed per accepted plans.

UNDERGROUND STORAGE TANK - FINAL - **Scheduling Code 405**

1. All fuel dispensing and monitoring equipment shall be installed and operational.
2. Installer shall supply all equipment necessary for testing fuel dispensers.

3. Fire Prevention Specialist shall verify location and operation of each emergency shut off

supplied.

4. Fire Prevention Specialist shall verify location and operation of all required shear valves.

5. Fire Prevention Specialist shall verify vehicle impact protection is installed in accordance with accepted plans and per code.

6. Fire extinguisher(s) shall be installed. Minimum 2A20BC rated, tagged by a NV licensed extinguisher contractor and placed not less than seventy-five (75) feet from any pump, dispenser or fill-pipe opening.

7. All signs shall be installed as required.

8. Communication system between attendant and dispensers shall be operational and verified by the Fire Prevention Specialist.

9. Fire Prevention Specialist shall verify vent piping placement and height.

10. Installer will provide the Fire Prevention Specialist with written documentation proving that the property owner has been notified of all required testing, maintenance, and documentation for upkeep of the tank and dispensing equipment.

UNDERGROUND STORAGE TANK-ABANDONMENT/REMOVAL - **Scheduling Code 404**

1. Submit decommissioning plan to TMFPD to obtain Temporary Operational Permit.

2. Schedule inspection after obtaining permit.

3a. Abandonment - Remove tank, product piping, and all associated equipment.

3b. Removal - Remove tank. Prepare for testing if new tank is to be installed.

4. Fire Prevention Specialist will verify tank number and information when tank is removed from the ground and prior to transportation from the site.

ABOVE GROUND STORAGE TANK - TANK PLACEMENT - **Scheduling Code 410**

1. Tank numbers and vacuum gauge readings shall be recorded by the installer prior to placement.

2. Tank is installed in accordance with the accepted plans and all other applicable codes and standards.

3. A Fire Prevention Specialist will document and verify tank numbers and vacuum gauge readings, distance between multiple tanks, distance to property line(s), etc.

ABOVE GROUND STORAGE TANK - PRODUCT PIPING - **Scheduling Code 411**

1. Piping shall be hydrostatically pressurized to 150 percent of the maximum anticipated pressure of the system or pneumatically to 110 percent of the maximum anticipated pressure of the system, and the test pressure shall be maintained while a complete visual inspection of all joints and connections is conducted. Pressurization of piping shall be completed by 0730 hours on the day of the scheduled inspection.

2. The Fire Prevention Specialist will inspect the piping with the installer spraying a soap and water solution on the piping to search for leaks.

3. The test pressure gauge shall read not less than 5 psi at the highest point of the system and test pressure shall be maintained for ten (10) minutes.

ABOVE GROUND STORAGE TANK - FINAL - **Scheduling Code 415**

1. All fuel dispensing and monitoring equipment shall be installed and operational.
2. Installer shall supply all equipment necessary for testing fuel dispensers.

3. Fire Prevention Specialist shall verify location and operation of each emergency shut off supplied.

4. Fire Prevention Specialist shall verify vehicle impact protection is installed in accordance with accepted plans and per code.

5. Fire extinguisher(s) shall be installed. Minimum 2A20BC rated, tagged by a NV licensed extinguisher contractor and placed not less than seventy-five (75) feet from any pump, dispenser or fill-pipe opening.

6. All signs shall be installed as required.

7. Communication system (If Applicable) between attendant and dispensers shall be operational and verified by the Fire Prevention Specialist.

8. Fire Prevention Specialist shall verify vent piping placement and height.

9. Installer will provide the Fire Prevention Specialist with written documentation proving that the property owner has been notified of all required testing, maintenance, and documentation for upkeep of the tank and dispensing equipment.

ABOVE GROUND STORAGE TANK-ABANDONMENT/REMOVAL - **Scheduling Code 414**

1. Submit decommissioning plan to Permit Application Center (PAC) to obtain permit.

2. Schedule inspection after obtaining permit.

3a. Abandonment - Remove tank, product piping, and all associated equipment.

3b. Removal - Remove tank. Prepare for testing if new tank is to be installed.

4. Fire Prevention Specialist will verify tank number and information when tank is removed from the ground and prior to transportation from the site.

**FIRE FINAL- Washoe County Building Permits**

FIRE FINAL - **Scheduling Code 905**

Required for all Commercial/Industrial/Multi-family Residential type inspections. Shell Building and Tenant Improvements require a separate Fire Final inspection for each permit.

Shell Buildings

1. All required inspections by sub-contractors have been completed.

2. Main Building address (permanent) is posted on the street side of the building in accordance with addressing requirements. Address identification characters shall contrast with their background. Each character shall not be less than 4 inches high with a minimum stroke width of ½ inch.

3. Knox Box(es) have been installed and a key for the Riser Room door and/or PIV lock are available and labeled.

4. All building systems and fire protection systems have been accepted and are operational.

5. Provide proof that all fire extinguishing systems have received a final inspection and copies of all required maintenance agreements (Sprinkler System, Sprinkler Monitoring System, Extinguishing System, Fire Alarm System, etc.).

6. All required fire lanes are marked in accordance with the fire code.

7. Where electronically controlled gates are installed across fire apparatus access, the Click 2 Enter system shall have been tested and accepted. If a manual gate is being used a Knox Padlock has been installed.

Tenant Improvements

1. All Shell Building requirements.

2. All Emergency Lighting and Exit Signs are operational. For larger A, E, I, and R (R-1, R-

2, and R-4) Occupancy Groups, you may be required to schedule an after-hours inspection with our division for verification of proper e-lighting and visualization of exit signs prior to or as part of your Fire Final.

**NOTE:** For required after hours inspections, the contractor is required to pay all fees in accordance with the TMFPD Permit and Fee Schedule.

3. Ensuring proper means of egress exist and proper door hardware/locking devices are installed.

4. Fire extinguishers are located throughout in accordance with the fire code and NFPA 10.

5. All required door closures are installed and operational.

TEMPORARY CERTIFICATE OF OCCUPANCY - **Scheduling Code 901**

You may seek a Temporary Certificate of Occupancy to begin occupying a building and serving the public. However, several conditions must be met and maintained until the Certificate of Occupancy is accepted.

1. Obtain application from Washoe County Building Department. This application must be signed by several departments. All departments except Building Safety should sign this document prior to requesting Fire Department sign off.

2. Review TMFPD Temporary Certificate of Occupancy Guideline.

TEMPORARY CERTIFICATE OF OCCUPANCY - STOCKING/TRAINING - **Scheduling Code 902**

1. You may seek a Temporary Certificate of Occupancy for Stocking and Training only. This will not allow the general public access to the building. Occupancy will be limited to employees of the company and/or project construction personnel.

2. Obtain written approval from your project Building Inspector.

3. Review TMFPD Temporary Certificate of Occupancy - Stocking/Training Guideline.

**GATES AND SITE ACCESS- Washoe County Building Permits**

CLICK-2-ENTER GATE - **Scheduling Code 600**

1. Final Electrical shall be accepted by Washoe County Building Department and the inspection card available for the Fire Prevention Specialist.

2. Provide accepted job site plans from TMFPD.

3. Demonstrate gate operation with use of Fire District radio.

4. Demonstrate gate operation of Knox Key back up.

5. Contact project developer/superintendent and ensure fire lanes are marked accordingly across access gates.

MANUAL GATE - **Scheduling Code 601**

1. Final gate plan shall be accepted by Building Department and that inspection card presented to the Fire Prevention Specialist.

2. Provide accepted job site plans from TMFPD.

3. Provide Knox Padlock for TMFPD Fire Prevention Specialist.
4. Contact project developer/superintendent and ensure fire lanes are marked accordingly across access gates.

**SITE ACCESS-**

SITE ACCESS - **Scheduling Code 605**

Fire Apparatus Access Roads and operational fire hydrants are installed as required in accordance currently adopted codes and ordinances of TMFPD.

**EXCEPTION:** See TMFPD Guideline on Temporary Fire Apparatus Access Roads for acceptable exceptions to the standard requirements.

HIGH-PILE STORAGE - **Scheduling Code 500- Washoe County Building Dept. Permit**

This inspection is to ensure that the any High-Pile Storage Configuration has been reviewed by TMFPD and is ready for inspection as accepted.

1. Pallet racks, if applicable have been accepted by the WASHOE COUNTY Building Safety Division for structural compliance.

2. Sprinkler System has been reviewed for compliance and it is noted on the accepted plans what type(s) of commodities can be stored and to what maximum height above finished floor.

DEFENSIBLE SPACE - **Scheduling Code 705- Washoe County Building Dept. Permit**

This inspection is to ensure that the defensible space requirements per the International Wildland Urban Interface code have been completed.

**TABLE 503.1**
**IGNITION-RESISTANT CONSTRUCTION[a]**

| DEFENSIBLE SPACE[c] | FIRE HAZARD SEVERITY | | | | | |
|---|---|---|---|---|---|---|
| | Moderate Hazard | | High Hazard | | Extreme Hazard | |
| | Water Supply[b] | | Water Supply[b] | | Water Supply[b] | |
| | Conforming[d] | Nonconforming[e] | Conforming[d] | Nonconforming[e] | Conforming[d] | Nonconforming[e] |
| Nonconforming | IR 2 | IR 1 | IR 1 | IR 1<br>N.C. | IR 1<br>N.C. | Not Permitted |
| Conforming | IR 3 | IR 2 | IR 2 | IR 1 | IR 1 | IR 1<br>N.C. |
| 1.5 × Conforming | Not Required | IR 3 | IR 3 | IR 2 | IR 2 | IR 1 |

a. Access shall be in accordance with Section 402.
b. Subdivisions shall have a conforming water supply in accordance with Section 402.1.

IR 1 = Ignition-resistant construction in accordance with Section 504.
IR 2 = Ignition-resistant construction in accordance with Section 505.
IR 3 = Ignition-resistant construction in accordance with Section 506.
N.C. = Exterior walls shall have a fire-resistance rating of not less than 1-hour and the exterior surfaces of such walls shall be *noncombustible*. Usage of log wall construction is allowed.

c. Conformance based on Section 603.
d. Conformance based on Section 404.
e. A nonconforming water supply is any water system or source that does not comply with Section 404, including situations where there is no water supply for structure protection or fire suppression.

SOLAR - **Scheduling Code 805- Washoe County Building Dept. Permit**

This inspection is to ensure that the labeling and pathways are correct per the accepted plans.