INSPECTION CHECKLIST FOR CONSTRUCTION BUILD OUT



	EXTERIOR
	Access drivable for inspections and emergency vehicles
	Addressing of structure, and suite number on front and back
	Fire lanes painted and stenciled and/or signage in place, at approx. 150'
	FDC location unobstructed and marked (signage address and road marker)
	Test header painted marked and accessible with cap
	Lock Box and required keys (doors interior/exterior, electrical, alarms and other systems)
	Bollards where required (gas meters, fire hydrants, and remote FDC's)
	Dumpster enclosure to be verified for clearance and distance
	All fire hydrants have been flowed and all street valves verified and accessible
	Fire hydrant road markers in place
	RISER ROOM
	'RISER ROOM' is clearly marked on door with approved signage
	Room is clear of debris
	Wrench and spare heads are in box, never exposed to sun
	Calculation plate and all other required riser signage is installed/in place
	Valves are marked and accessible
	'As Built' plans to be stored here or in building as directed
	Riser room shall be accessible from outside/enclose required
	Check for backflow device here or at remote location
	Forward flow test port in place
	ELECTRICAL INCRESTION
	ELECTRICAL INSPECTION
	All electrical panels are completed
_	All electrical panels have schedules
	All breakers are in place or blocked
	Fire Alarm breaker has lock-out in place
	'ELECTRICAL ROOM' is clearly marked on door with approved signage
	Required clearances to panel, and NO combustible storage
	All J-boxes completely closed and 'knock outs' in place
	All receptacles properly installed and in place
	High amperage electrical rooms have special requirements

DOOR INSPECTION
Proper door hardware as per approved plans are in place
No Dead bolt locks or other prohibited devices in place
Door signage as required shall read "While Occupied "and not "During Business Hours"
Suite numbers front and back
Blocked door sign if permitted
Self-closing rated doors shall have no gaps between, under, or on the sides
Test magnetic holders with alarm activation and loss of power
Door clearance into hallways for proper swing and ADA compliance
Fire-rated frames and assembly, along with door and any glass to be verified
Exterior access method is required, either key card or other means provided to fire fighters
FIRE EXTINGUISHER
Placement per approved plans or NFPA Standard 10
Usually every 75' in the path of egress near exit
Heights 36" to 44" at handle meets ADA and fire code for 2A10BC
Inspections required are annual maintenance, internal at 5 years, and hydrostatic at 12 years
K Class Extinguisher annual inspection required
K Class min. 10' and max. 20' away from hood in path of egress, signage required
Check extinguisher gauge hose nozzle and overall condition
Special systems Inspection every 6 months see manufacturers spec.'s
FIDE ALADAA
FIRE ALARM
Alarm system inspection during rough out layout per Approved Plans and NFPA 72
Device heights bottom of lenses over 80" from finished floor
Top of lenses under 96" from finished floor
Wiring completed in loop fashion
Devices checked for candela rating against approved plans, this is a designed system
Check for obstruction to throw patterns
Location of the FACP and alarm pull stations correlates with approved plans
Devices installed as designed and approved
All devices functional, horn and strobes are synchronized
Battery installed as per design, and should include label with install date
No intermixing of old and new systems unless deemed compatible at review
Full functionality testing completed with all ancillary systems and devices
Test horns, strobes, smokes, duct detectors, hood systems, missing device, ground fault, battery missing, tamper and flow. Verification of on/off site reporting, and AHJ/address needed
Completed NFPA 72 form to be completed and returned to GRFD
Keys for the alarm panel required
The alarm panel should address the situation at hand i.e. location and type of alarm

	FIRE SPRINKLER
	Underground fire line inspection completed visual to include mechanical restraints burial in ground check bedding materials, depth 2 ½' top of pipe to finished grade for non- road way areas, 3' top of pipe to finished grade for roadways. Blue tracer wire 12ga. required. Thrust blocks if required shall be in place
	Hydrostatic test required for underground 200 psi for a period of 2 hours (commercial)
	No leaks or pressure loss allowed
	Prior to riser connection to the overhead piping a flush is required. In Oro Valley, TOV Water shall be present
	Flush water until water runs clear and is free of debris or sounds. Longer pipe runs will require longer flow time. Always note approximate time as to equate to gallons flowed and record on report. Flush shall have sufficient pressure and duration (800-1000 gpm) to dislodge and move water thru the entire pipeline
	Once flush is completed, a cap or connection to the riser is required or else flush must be conducted again
	Never Hydro test against another valve, a plate or cap to be used
	Connection to riser or a looped hydrostatic test and inspection of the overhead piping is required
	Visual inspection all hangers shall be spaced per NFPA 13, hangars shall not exceed an angle of 15 degrees and no bends allowed
	Check spacing of all heads for proper coverage and verify type of head with approved plan set
	Make sure inspector test port is installed
	No wires or other material shall be supported by the fire sprinkler systems piping, hangars or heads
	Check all areas around and under HVAC ductwork for voids
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HOOD INSPECTION CON'T.
Appliances shall correspond to the approved plan set in the order of the cook line
All nozzles have a rating number and shall be checked against the approved plans, including nozzles in the top of the hood and exhaust duct. A flashlight and magnifying glass will be needed
The nozzle aim and heights need to be verified from the approved plans
Any flame producing device, i.e., grill adjacent to deep fryer shall either be separated by 18" or have a 9" high divider between them
Ensure the alarm company has been notified prior to testing
Two tests are requiring a cut link test and a pull test, only once does the gas have to be expelled
If the building has an alarm system, the alarm system should sound upon activation and report as hood system
The testing should shut down all gas and electric under the hood
When the gas burner is turned on, the exhaust fan should automatically turn on. (Heat Sensor)
During testing the caps or balloons should blow off or fill up respectively
The makeup air should shut down and the exhaust fan stays on during activation
Most hoods call for a 6" extension past the appliance on either side or some call for a 6" extension at the front or both
Ensure class K extinguisher is in place, and required signage in place
Location of the pull station is a least 10' away from the hood, not more than 20' maximum, and in the path of egress (sometimes this is difficult, use best judgment)
Once test is completed check to see if signal was received if monitored and place system in service
Check to see if all filters are compliant, and are properly installed along with grease drip cup

This is an outline for common inspections and testing procedures, and may not be all-inclusive for the systems described. This list does not include all inspections and may vary depending on the Occupancy Type and the complexity of the project.