



# INSPECTION GUIDELINES

## GENERAL PROCEDURES

All Inspectors shall read and become familiar with these procedures

Inspections carried over from the previous working day shall be given priority and must be performed first.

Inspection cancellations must be documented on the comment line with the name and telephone number of the person that requested it and the time of the request.

When a jobsite is not accessible always leave a tag and record in the comments line "Left tag at....."

Before using disposition code 035 "Unable to locate" use the Property Appraiser's web site [http://www.miamidade.gov/pa/property\\_search.asp](http://www.miamidade.gov/pa/property_search.asp) and/or call your supervisor. If permit holder cannot be reached place the hold code 067.

Do not use Field Check Disposition 010 without obtaining approval from supervisor.

The work shall be inspected for compliance with the permit plans and the applicable Code (FBC or SFBC).

The permit holder (contractor or owner builder) is responsible for the job and shall inspect the work and ascertain it meets code requirements before calling for inspection.

Temporary buildings and sheds used exclusively for construction purposes are exempt of a building permit (**Zoning Improvement Permit** required). Mobile homes used as temporary offices are required to comply with the requirements of F.S. Chapter 553, Part V relating to accessibility by individuals with disabilities.

Verify that you are recording the inspection result on the correct permit card.

All documents that you receive in the field from the permit holder shall contain the permit number on every page, the date and the inspector name and signature

Be thorough conducting the inspection and recording the results. List all deficiencies. When too many deficiencies are found, indicate on permit card "others". This will alert the inspector performing the re-inspection later on to perform a thorough inspection and not only a follow up of the items listed.

When performing a partial inspection clearly writes on the comment line the portion of work you are approving. Highlight the location of approved area on permit plans initial, date and cross reference drawing number on comment line. For large projects use a log. Write comments on permit card as well. Review completely previously denied partial inspections and approve or denied as required. If denied, include in your comments the corrections that are needed for approval.

Do not enter disposition 001 (approved) when previous inspection types are pending approval (previous inspection type was denied or partial approval was granted). Use disposition 043 (partial approval) and be explicit in your comments regarding the reason for the partial approval.

Close partial inspections in a timely manner.

In case of any doubt, check with your supervisor.

Always write on the permit card the date of the inspection; print your name and sign.

As a courtesy to Owners and Contractors alert them of code changes.



# INSPECTION GUIDELINES

ROUGH 002

Mechanical 003 (A/C)

Verify permit card posted FBC-B 105.7	<input type="checkbox"/>
Check approved energy calculations and plans at worksite FBC-B 106.3.1 Energy Eff., 13-103.1.1	<input type="checkbox"/>
Verify fees correspond to the scope of work FBC-B 108.2	<input type="checkbox"/>
Verify Notice of Commencement: Mandatory after 7 days (except when cost of construction is less than \$2500.00) from permit issuance. Write on the permit card and the comment line that you have confirmed this requirement for the benefit of the next inspector. Does not apply to the repair or replacement of a/c systems less than \$5000.00.	<input type="checkbox"/>
Check and inspect underground-excavated trenches/ditches/chases pipes, tubes, ducts and related component per its specifications prior to backfill/concealment FBC-B 109.3	<input type="checkbox"/>
Check and inspect pipes, tubes, ducts, and related components per its specification prior to concealment/installation of wall or ceiling membranes FBC-B 109.3	<input type="checkbox"/>
Verify cutting/drilling or overloading of structural members supports for mechanical equipment by registered design professional drawings FBC-M 302.4	<input type="checkbox"/>
Verify pipe hangers/anchors installed per manufacturer's instructions or approved plans details FBC-M 305.3	<input type="checkbox"/>
Verify piping support intervals spacing requirement per FBC-M TABLE 305.4	<input type="checkbox"/>
Verify horizontal primary condensate lines in unconditioned space are insulated FBC-M 307.2.5	<input type="checkbox"/>
Verify condensate drain line installed ¾" internal diameter minimum FBC-M 307.2.2 FBC-R 1411.3.2	<input type="checkbox"/>
Verify condensate drain line pitched/sloped inside partition walls FBC-M 307.2.2 FBC-R M1411.3.1	<input type="checkbox"/>



# INSPECTION GUIDELINES

FINAL 001

Mechanical 003 (A/C)

Permit card posted FBC-B 105.7		<input type="checkbox"/>
Approved energy calculations and plans at worksite FBC-B 105.7, 106.3.1, 13-103.2		<input type="checkbox"/>
Notice of Commencement. Mandatory after 7 days except when cost of construction is less than \$2500.00) from permit issuance. Write on the permit card and the comment line that you have confirmed this requirement for the benefit of the next inspector. Does not apply to the repair or replacement of a/c systems less than \$5000.00.		<input type="checkbox"/>
Verify the building is complete and ready for occupancy	FBC-B 109.3	<input type="checkbox"/>
EPL card displayed at worksite signed by the builder	FBC-B 13-104.4.1	<input type="checkbox"/>
HVAC card posted at worksite signed by the contractor	FBC-B 13-104.4.2	<input type="checkbox"/>
Manufacturer's performance data sheet posted at worksite	FBC-B 13-607	<input type="checkbox"/>
Check for balanced return air across close doors where returns are centrally located limited to 0.01 inch WC or less. Allow for exceptions 1, 2 and 3 designer specs. on plans	FBC-M 601.4	<input type="checkbox"/>
Verify if the unit or change in unit make/model number meets the design heat-load sizing calculations	FBC-B Energy Eff., 13-407.AB.1, 607.AB.1 FBC-M 312.1	<input type="checkbox"/>
Check for all manufacturer's installation instruction at time of inspection	FBC-M 304.1	<input type="checkbox"/>
Verify vibration isolators/isolations by designed or per manufacturer's specs.	FBC-M 301.10	<input type="checkbox"/>
Verify guard protection of appliances/components/fans/roof hatches within 10-ft of roof edge	FBC-M 304.10	<input type="checkbox"/>
Verify roof equipment, pipes/supports are secured to the structure	FBC-M 301.12	<input type="checkbox"/>
Verify rooftop unit clearance for roof repairs	FBC-M 1509.7	<input type="checkbox"/>
Verify raised roof stands height are in accordance with	FBC-M 1509.7 FBC-B Table 1522.3	<input type="checkbox"/>
Verify concrete pads/other approved material is mounted level on grade at least 3 1/2" thick and extends 2" inches above grade	FBC-M 304.9	<input type="checkbox"/>
Verify units installed away from the area they served are marked/identified	FBC-M 304.11	<input type="checkbox"/>
Check protection barriers for appliances subject to mechanical damage	FBC-M 303.4	<input type="checkbox"/>
Verify air handler attics installation has posted notice to homeowners as req.	FBC-M 306.3.2	<input type="checkbox"/>
Verify ladders from grade to appliance level @ building exceeding 16 ft in height	FBC-M 306.5	<input type="checkbox"/>
Verify receptacle outlet is near the equipment; on roof top installations	FBC-306.5.2	<input type="checkbox"/>
Verify condensate lines do not discharge into streets, parking lots or alleys	FBC-M 307.2.1	<input type="checkbox"/>
Verify condensate drains trapped per appliance manufacturer	FBC-M 307.2.4	<input type="checkbox"/>
Check provisions to prevent formation of condensation on pipe	FBC-M 1206.11, 1107.3	<input type="checkbox"/>
Anchor bolt minimum pull-out @ 500/lbs	Dade County Ordinance (8C-5)	<input type="checkbox"/>



## INSPECTION GUIDELINES

Collect air conditioning unit serial/model numbers: Dade County Ordinance	<input type="checkbox"/>
Remote control required in mechanical equipment machinery room per FBC-M 1106.5	<input type="checkbox"/>
Verify machinery room break-glass type off-only control for electrical energized equipment and appliances FBC-M 1106.5.1	<input type="checkbox"/>
Machinery room switch break-glass type on-only control of the ventilation fans FBC-M 1106.5.2	<input type="checkbox"/>
Carbon monoxide control systems see Section 913 FBC-B FBC-M 513.12.2	<input type="checkbox"/>
Smoke control systems subject to the provisions of Section 909 of the FBC-B FBC-M 513.3	<input type="checkbox"/>



## INSPECTION GUIDELINES

### ROUGH/P-TEST 106

### Mechanical 009

Verify underground trenches, ditches are excavated and piping installed	FBC-B 109.3(1)	<input type="checkbox"/>
Check pipe sizes and schedules per the approved plans	FBC-B 105.7, 106.3.1, 1307.1	<input type="checkbox"/>
Check piping allowances for expansion, contraction, jarring and vibration	FBC-M 1303.11	<input type="checkbox"/>
Verify underground tanks are installed with flexible connectors per	FBC-M 1303.11	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 009**

Check if fill piping terminates point is 2-ft from any building openings	FBC-M 1305.6	<input type="checkbox"/>
Check fill pipe designed as per plans minimize spillage when disconnected	FBC-M 1305.6	<input type="checkbox"/>
Verify if valve stop is installed to shut off fuel oil flow to the tank in the building	FBC-M 1307.1	<input type="checkbox"/>
Check if shutoff valves are connected to each fuel-burning oil appliance	FBC-M 1307.2	<input type="checkbox"/>
Verify relief valve on pump discharge if it can exceed the oil system pressure	FBC-M 1307.3	<input type="checkbox"/>



# INSPECTION GUIDELINES

FINAL 001

Mechanical 010

Verify vented wall furnace located as not to create a fire	FBC-M 909.2	<input type="checkbox"/>
Verify duct furnace installed per manufacturer's instructions	FBC-M 911.1	<input type="checkbox"/>
Check heaters clearances to combustible material per manufacturer's instructions	FBC-M 912.2	<input type="checkbox"/>
Verify duct are heaters installed per manufacturer's instructions	FBC-M 927.1	<input type="checkbox"/>
Verify location of electric duct heater does not create a fire hazard	FBC-M 927.2	<input type="checkbox"/>
Check if duct heaters is 4-ft from a heat pump/air conditioner also listed/labeled	FBC-M 927.3	<input type="checkbox"/>
Verify if the heat pump/air conditioner is listed/labeled for duct heater installations	FBC-M 927.3	<input type="checkbox"/>
Verify opening/passageway sizes for appliance in attics	FBC-M 306.3,2, FBC-R M1305.1.3	<input type="checkbox"/>
Check if duct size is as per furnace manufacturer's installation instructions	FBC-M 918.2	<input type="checkbox"/>
Verify if unit heater is installed per manufacturer's instructions	FBC-M 920.1	<input type="checkbox"/>
Check suspended-type heaters designed to carry weight and dynamic loads	FBC-M 920.2	<input type="checkbox"/>
Suspended-type heaters supports of noncombustible hangers and brackets	FBC-M 920.2	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 011**

Verify duct coverings/linings/adhesives-meets 25/50 flame/smoke	FBC-M 604.3	<input type="checkbox"/>
Verify coverings do not to penetrate walls/floors with fire-resistance ratings	FBC-M 604.6	<input type="checkbox"/>
Verify linings are interrupted in area where occurs operation of a fire damper	FBC-M 604.8	<input type="checkbox"/>
Verify insulated exterior ducts is protected weatherproof barrier	FBC-M 604.12	<input type="checkbox"/>





# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 015**

Verify pressure vessels components and materials per approved plans and by design FBC-M 1003.2	<input type="checkbox"/>
Verify pipe supports intervals in accordance FBC-M Table 305.4	<input type="checkbox"/>



## INSPECTION GUIDELINES

### ROUGH/P-TEST 106

### Mechanical 016

Verify refrigerant/hydronic/oil piping covering/chases installed per plans	FBC-B 109.3	<input type="checkbox"/>
Verify heat pump loop system pressure test @ 100 psi for 30 minutes	FBC-M 1208.1.1	<input type="checkbox"/>
Verify hydronic pipes test @100 psi or no more than 1-1/2 times design press.	FBC-M 1208.1	<input type="checkbox"/>
Verify piping installed in or beneath concrete floors is encased in pipe duct	FBC-M 1107.2	<input type="checkbox"/>
Verify piping embedded in concrete pressure tested prior to pouring	FBC-M 1209.2	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 016**

Verify pipes penetration sleeves/thimbles are 3 / 8 inch larger + plus insulation	FBC-M 1107.2	<input type="checkbox"/>
Verify 1 & 2 -family homes exempts-25/450 flame/smoke	FBC-M 1204.1	<input type="checkbox"/>
Verify pipe insulation 25/450 flame spread/smoke-developed-FBC-B Chapter 13	FBC-M 1204.2	<input type="checkbox"/>
Verify insulation in air plenums complies with Section 602.2.1-FBC-B Chapter 13	FBC-M 1204.2	<input type="checkbox"/>
Verify hydronic pipes systems exceeding 250 ° F- clearance 1" to combustibles	FBC-M 1206.5	<input type="checkbox"/>
Verify refrigerant suction vapor lines insulated with R-4 minimum	FBC-R M1411.5	<input type="checkbox"/>



# INSPECTION GUIDELINES

## ROUGH/P-TEST 106

## Mechanical 019

Verify pipes installed in or beneath concrete floors are encased in pipe duct	FBC-M 1107.2	<input type="checkbox"/>
Verify voids between pipes and casing be enclosed with an approved material	FBC-M 1107.2	<input type="checkbox"/>
Verify pipe supports are accordance with	FBC-M 305.4	<input type="checkbox"/>
Verify insulation horizontal condensate drains in unconditioned areas	FBC-M 307.2.5	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 019**

Verify Roof equipment piping and supports are secured to the structure	FBC-M 301.12	<input type="checkbox"/>
Verify Refrigeration RTU- curb a minimum clearance for roof repairs	FBC-B 1509.7	<input type="checkbox"/>
Verify raised roof equipment clearance	FBC-M 1509.7 FBC-B Table 1522.3	<input type="checkbox"/>
Verify approved barriers for appliances subject to mechanical damage installed	FBC-M 303.4	<input type="checkbox"/>
Verify concrete pads/other approved material is mounted level on grade at least 3 ½" thick and extends 2" inches above grade	FBC-M 304.9	<input type="checkbox"/>
Verify appliances permanently marked and identified to the area it served	FBC-M 304.11	<input type="checkbox"/>



# INSPECTION GUIDELINES

**ROUGH 002**

**Mechanical 023**

Verify rigid and flexible ducts and connectors per	FBC-M 603	<input type="checkbox"/>
Verify Duct coverings, linings, tape and connectors installed per	FBC-M 603, 604. 3	<input type="checkbox"/>
Verify flexible ducts/flexible air connectors do not thru fire-rated assemblies	FBC-M 603.5.5	<input type="checkbox"/>
Verify flexible air connectors do no penetrating walls, floors or ceilings	FBC-M 603.5.5	<input type="checkbox"/>
Verify flexible duct supports a of min. 1½ inches wide	FBC-M 603.5.6.6	<input type="checkbox"/>
Verify terminal fittings/other components mechanically are fastened	FBC-M 603.1.1	<input type="checkbox"/>
Verify air distribution system sealed with approved closure systems	FBC-M 603.1.2	<input type="checkbox"/>
Verify ducts/air-transfer openings without damper @ fire rated assemblies shall comply with section 712 FBC-B	FBC-M 607.1.1	<input type="checkbox"/>
Verify dampers are listed/labeled and complies with UL-555	FBC-M 607.3	<input type="checkbox"/>
Verify smoke dampers complies with UL-555S	FBC-M 607.3	<input type="checkbox"/>
Verify combination fire/smoke dampers shall complies with UL 555/555S	FBC-M 607.3	<input type="checkbox"/>
Verify ceiling radiation dampers shall complies with UL-555C	FBC-M 607.3	<input type="checkbox"/>
Verify details of fire doors/fire dampers/ceiling dampers/smoke dampers on plans	FBC-M 607.8	<input type="checkbox"/>



# INSPECTION GUIDELINES

FINAL 001

Mechanical 023

Verify sealing/ inspection/ cleaning space is maintenance	FBC-M 603.1(1), (2)	<input type="checkbox"/>
Verify 4 inch clearance space around air handling units in closets	FBC-M 603.1(3)	<input type="checkbox"/>
Verify exemption clearances on retrofit/replacements	FBC-M 603.1(3)	<input type="checkbox"/>
Verify fire-dampers listed/labeled dynamic type	FBC-M 607.3	<input type="checkbox"/>
Verify interior of mechanical closets sheathed continuously with air barrier	FBC-M 603.9.1	<input type="checkbox"/>
Verify ducts protected where exposed to mechanical damage	FBC-M 603.15	<input type="checkbox"/>
Verify duct registers/grilles meet listing of 25/50 flame spread/smoke	FBC-M 603.17	<input type="checkbox"/>
Verify smoke detectors installed where indicated	FBC-M 606.2	<input type="checkbox"/>
Verify smoke detectors in systems where design exceeds 2000 cfm's	FBC-M 606.2.2	<input type="checkbox"/>
Verify where multiple units share a common supply/return system duct smoke detectors to be in the supply and return system	FBC-M 606.2.2	<input type="checkbox"/>
Verify Return/supply air risers with a design capacity over 15,000 cfm's- requires smoke detectors be installed at each story supply/return before branch take offs	FBC-M 606.2.3	<input type="checkbox"/>
Verify Test smoke detectors shut down on the air distribution system upon activation	FBC-M 606.4	<input type="checkbox"/>
Verify smoke detectors tied to the building fire alarm system	FBC-M 606.4.1	<input type="checkbox"/>
Verify Check for aluminaire (light) control by a switch near the appliance on attic installations	FBC-306.4.1, FBC-R M1305.1.3.1	<input type="checkbox"/>
Verify Clothes washers/clothes dryers/combustion/water heaters/atmospheric combustion furnaces are not installed in the return air systems	FBC-B Energy Eff., 13-610.AB.3.7	<input type="checkbox"/>



# INSPECTION GUIDELINES

FINAL 001

Mechanical 024

Verify Boiler: 400,000 Btuh/Temp 210°F/Tank capacity of 120 gal	FBC-M Definitions	<input type="checkbox"/>
Verify fuel-fired furnaces/boilers is listing for closets/alcoves installation	FBC-M 303.5	<input type="checkbox"/>
Verify manufacturer's rating data and the nameplate is affixed to the boiler	FBC-M 1004.2	<input type="checkbox"/>
Verify pathways is 18 inches around the boiler per	FBC-M 1004.3	<input type="checkbox"/>
Verify boiler installation clearances as per	FBC-M 1004.3.1	<input type="checkbox"/>
Verify boilers tanks/equipment secured as per manufacturer's instructions	FBC-M 1004.4	<input type="checkbox"/>
Verify mounted on noncombustible construction or listed for combustible flooring	FBC-M 1004.5	<input type="checkbox"/>
Verify boiler rooms rating and enclosures installation per (1hour)	FBC-B & CH 3 FBC-M	<input type="checkbox"/>
Verify boiler rooms floor drain or other approved means for disposal	FBC-M 1004.6	<input type="checkbox"/>
Verify Safety/relief valves are connected on either side the safety/relief valve	FBC-M 1006.5	<input type="checkbox"/>
Verify Safety/relief valves pipes is same size as the valve outlet	FBC-M 1006.6	<input type="checkbox"/>
Verify Safety/relief valves discharges to vents outside of structure	FBC-M 1006.6	<input type="checkbox"/>
Verify controls/limit devices are installed per manufacturer's instructions/listings	FBC-M 1006.7	<input type="checkbox"/>
Verify boilers low-water cutoff control are installed per manufacturer instructions	FBC-M 1007.1	<input type="checkbox"/>





# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 025**

Verify conveyors and conveying systems complies with ASME B20.1	FBC-B 3005.3	<input type="checkbox"/>
Verify conveyors/related equipment/connecting enclosures openings protection	FBC-B 3005.3.1	<input type="checkbox"/>
Verify conveyers automatic limit switches	FBC-B 3005.3.2	<input type="checkbox"/>



# INSPECTION GUIDELINES

## ROUGH 002

## Mechanical 038

Verify Type I hood ducts 18 inches clearance to combustibles	FBC-M 507.9	<input type="checkbox"/>
Verify ducts supports at intervals not to exceed-10 feet	FBC-M 510.9	<input type="checkbox"/>
Verify supports constructed of noncombustible material	FBC-M 510.9	<input type="checkbox"/>
Verify external hood joints/seams/penetrations be external liquid-tight weld	FBC-M 507.7.1	<input type="checkbox"/>
Verify grease ducts leakage test-Contractor provides test equipment	FBC-M 507.3.31	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 038**

Verify Type I hoods ducts constructed requirement of 18 gage metal	FBC-507.4	<input type="checkbox"/>
Verify Type I hood clearance to combustibles of 18 inches	FBC-M 507.9	<input type="checkbox"/>
Verify clearance reduction regarding gypsum wallboard	FBC-M 507.9	<input type="checkbox"/>
Verify makeup air is supplied during cooking operation	FBC-M 508.1	<input type="checkbox"/>
Verify makeup air is electrically interlocked to exhaust system	FBC-M 508.1	<input type="checkbox"/>
Verify Filter support frames/appendages be sealed to grease tight	FBC-M 507.7.1	<input type="checkbox"/>
Contractor to test airflow and provides equipment/devices for test	FBC-M 507.16.1	<input type="checkbox"/>
Verify all appliances @ full cooking & operating temperatures during test	FBC-M 507.16.1	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 039**

Verify Cooling towers installed per manufacturer's instruction/approved plans-water-cooling towers shall comply with NFPA 214	FBC-M 908.1	<input type="checkbox"/>
Verify cooling towers/evaporative condenser are accessible for service	FBC-M 908.2	<input type="checkbox"/>
Verify cooling tower clearances 20-ft. from building openings or 5 ft. above plume	FBC-M 908.3	<input type="checkbox"/>
Verify supports be designed in accordance with	FBC-M 908.4	<input type="checkbox"/>
Verify Drains/overflow/blowdown be approved for discharge of chemical waste	FBC-M 908.6	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 040**

Verify Internal combustion engines/gas turbines/fuel storage/piping per NFPA 37	FBC-M 915.1	<input type="checkbox"/>
Verify internal combustion engines/turbines installed per manuf.'s and NFPA 37	FBC-M 915.2	<input type="checkbox"/>
Verify Heat/odors/fumes/spray/vapors/smoke/gases exhaust per FBC-M Ch5	FBC-M 502.1	<input type="checkbox"/>
Verify exhaust discharge to an approved location at exterior of the building	FBC-M 502.1	<input type="checkbox"/>



# INSPECTION GUIDELINES

**ROUGH 002**

**Mechanical 041**

Verify air exhaust/intake openings are protected	FBC-M 401.5	<input type="checkbox"/>
Verify downdraft range hoods/appliances in dwellings discharges to outdoors	FBC-M 505.1	<input type="checkbox"/>
Verify no screws/fasteners/screens obstructs the airflow in dryer exhaust ducts	FBC-M 504.4	<input type="checkbox"/>
Verify domestic clothes dryer used smooth metal duct 4" inch round min.	FBC-M 504.6	<input type="checkbox"/>
Verify dryers duct supports/secured, with overlapped joints in the direction of airflow	FBC-M 504.6	<input type="checkbox"/>
Verify dryer transition duct is 8-ft max. and not concealed within construction	FBC-M 504.6	<input type="checkbox"/>
Verify dryer exhaust don't exceed 25-ft-not including transition	FBC-M 504.6.1, FBC-R M1502.6	<input type="checkbox"/>
Verify dryer piping takeoffs: 2-1/2 ft (45 ells) 5-ft (90 ells)	FBC-M 504.6.1, FBC-R M1502.6	<input type="checkbox"/>
Verify dryer exhaust duct length exceptions per	FBC-M 504.6.1, FBC-R M1502.6	<input type="checkbox"/>
Verify Type 2 clothes dryers installed per manufacturer's instructions	FBC-M 504.7	<input type="checkbox"/>
Verify Type 2 dryer ducts maintains 6-inch clearance to combustibles	FBC-M 504.7	<input type="checkbox"/>



# INSPECTION GUIDELINES

FINAL 001

Mechanical 041

Verify dryers ducts terminate outside of building with a back-draft damper	FBC-M 504.4	<input type="checkbox"/>
Verify household-type appliances be listed/label for domestic use	FBC-M 917.3	<input type="checkbox"/>
Verify cooking appliances for commercial occupancies not installed dwelling units	FBC-M 917.2	<input type="checkbox"/>
Verify clothes dryers closets make-up air opening of 100 sq/inches	FBC-M 504.5	<input type="checkbox"/>
Verify Mechanical/gravity outside air intake openings is 10-ft from hazardous/noxious contaminant; exception on group R-3 occupancy	FBC-M 401.4.1	<input type="checkbox"/>
Verify bathtubs/showers/spas/similar bathing rooms has mech/exhaust; residential bathrooms exempted with windows of 3 sq/ft of open area	FBC-M 402.3.1	<input type="checkbox"/>
Verify no return air is from bathrooms or non-dedicated kitchen HVAC systems	FBC-M 407.1	<input type="checkbox"/>
Ensure exhaust air is not discharging directly onto walkways	FBC-M 401.5.2	<input type="checkbox"/>
Verify exhaust air does not discharge into attic/crawl space; exempted whole house fans and re-circulating cooking systems	FBC-M 501.2(1) (2)	<input type="checkbox"/>
Verify exhaust/intake openings protection - screens/louvers/grilles	FBC-M 401.5	<input type="checkbox"/>
Verify appliances discharges products of combustion to a vent/factory-built chimney/ masonry chimney, with the exception of appliances vented per Section 804	FBC-M 501.2	<input type="checkbox"/>
Verify enclosed parking garages ventilation systems automatically operate by detection devices upon detection of carbon monoxide at 25 (ppm's)	FBC-M 404.1	<input type="checkbox"/>
Verify termination of exhaust ducts discharge locations	FBC-M 501.2.1(1), (2), (3), (4)	<input type="checkbox"/>
Verify vent terminals for direct-vent appliances per with manufacturer's specs.	FBC-M 804.1	<input type="checkbox"/>
Verify forced draft venting of 12 inches between vent and building openings	FBC-M 804.2.1	<input type="checkbox"/>
Verify chimneys/vents power exhausters is 10-ft from lot lines	FBC-M 804.3.3	<input type="checkbox"/>
Verify mechanical flue exhausters/venting system per manufacturer's specs.	FBC-M 804.3.7	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 042**

Check pressure vessels labels from approved agency/installed per manufacturer's instructions FBC-M 1003.1	<input type="checkbox"/>
Verify pressure vessels is designed and stamped per ASME Boiler and Pressure Vessel FBC-M 1003.1	<input type="checkbox"/>
Verify piping materials/fittings/joints/connections/devices are designed approved per plans FBC-M 1003.2	<input type="checkbox"/>
Verify approved welders are in compliance nationally recognized welding certification FBC-M 1003.3	<input type="checkbox"/>





# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 043**

Verify commercial Type I hood is provided with an approved automatic fire suppression system FBC-M 509.1	<input type="checkbox"/>
Verify automatic fire-extinguishing systems installed, inspected, tested in accordance with this section and applicable referenced standards FBC-B 904.1	<input type="checkbox"/>
Verify system interlocking by design and installation for the hazard FBC-B 904.3.3	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 044**

Verify manufacturer's installation instruction is provided at time of inspection	FBC-M 304.1	<input type="checkbox"/>
Verify chimneys used on factory-built fireplaces comply with the requirements of UL 127	FBC-M (805.3)	<input type="checkbox"/>
Verify decorative shrouds is listed/labeled used the specific factory-built chimney system per	FBC-M 304.1, 805.6	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 045**

Check for all manufacturer's installation instruction at time of inspection	FBC-M 304.1	<input type="checkbox"/>
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# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 046**

Verify positive mechanical ventilation system per approved plans	FBC-M 502.7.2	<input type="checkbox"/>
Verify spraying operations shutdown when ventilation system is not operating FBC-M 502.7.3.1		<input type="checkbox"/>
Verify termination point of exhaust discharges/distance per	FBC-M 501.2.1(1), (2), (3), (4)	<input type="checkbox"/>
Verify electric motors driving exhaust fans are not within booths or ducts	FBC-M 502.7.3.6	<input type="checkbox"/>
Verify fan and housing are of nonferrous/non-sparking materials FBC-M 502.7.3.6		<input type="checkbox"/>
Verify belts or pulleys are fully enclosed not exposed in air systems FBC-M 502.7.3.6		<input type="checkbox"/>



## INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 048**

Verify Smoke control systems subject to provisions of Section 909 FBC-B	FBC-M 513.3	<input type="checkbox"/>
Verify building undergo special inspections and tests performed as per plans	FBC-B 909.2	<input type="checkbox"/>



# INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 050**

Verify raised roof stands legs height are in accordance with	FBC-B Table 1507.9	<input type="checkbox"/>
Verify Mechanical equipment/appliances/supports/exposed to wind attached per approved plans installed to resist the wind pressures on the equipment	FBC-B CH. 16 1522.2	<input type="checkbox"/>



## INSPECTION GUIDELINES

**FINAL 001**

**Mechanical 052**

Verify elevator inspection QEI reports on final inspection approving owner for use	<input type="checkbox"/>
Verify hard-wired working phone in the elevator cab	<input type="checkbox"/>



## INSPECTION GUIDELINES

### QUALITY CONTROL (all inspections except final)

Permit by affidavit

Check for proper inspection call-in for the type of work specified on the plans/drawings Code of Miami Dade County Section 2-1266 Administrative Order	<input type="checkbox"/>
Check the log for last approved inspection by private provider. Confirm compliance. Code of Miami Dade County Section 2-1266 Administrative Order	<input type="checkbox"/>





# INSPECTION GUIDELINES

## TCO INSPECTION

## Mechanical

Verifies Permit Inspection: TCO/TCC All mechanical life-safety components fire-damper, fire/smoke damper, fire-suppression, duct-smoke detector, and smoke control test are operational as applicable to system design FBC-B 110.3	<input type="checkbox"/>
Verify Permit by Affidavit: TCO/TCC All mechanical life-safety components fire/damper, fire/smoke damper, fire-suppression, duct-smoke detector, and smoke control test are operational as applicable to system design Code of Miami Dade County Section 2-1266 Administrative Order	<input type="checkbox"/>



## INSPECTION GUIDELINES

**FINAL 001**

**Permit by affidavit**

Verify Collect all inspection reports (documentation) from private provider pertaining to all inspection types and verify that all were call-in approved for quality assurance if all in order: Code of Miami Dade County Section 2-1266 Administrative Order	<input type="checkbox"/>
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