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 and/or call your supervisor. If the 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 (**Z**oning **I**mprovement **P**ermit 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’s 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 to perform a thorough inspection and not only a follow-up of the items listed.

When performing a partial inspection clearly write 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.

MIAMI-DADE COUNTY

INSPECTION GUIDELINES

ROUGH 023-002 **Mechanical 003 (A/C)**

Verify permit card posted	FBC-B [A] 105.7	☐
Verify energy calculations and plans at worksite	FBC-B [A] 107.3.1, FBC-ENRG [C] 103.3.1	☐
Verify fees correspond to the scope of work	FBC-B [A] 109.1	☐
Verify Notice of Commencement: Mandatory (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. Do not apply to the repairs or replacement of a/c systems less than $7500.00.	FBC-B [A] 105.8	☐
Verify underground-excavated trenches/ditches/chases pipes, tubes, ducts and related component per its specifications prior to backfill/concealment	FBC-B [A] 110.3(1)	☐
Verify pipes, tubes, ducts or related components per its specification prior to closure or concealment of the floors, walls or ceiling membranes	FBC-B [A] 110.3(2)	☐
Verify approval's for supports for mechanical equipment by a registered design professional Letters/Drawings	FBC-M [BS] 302.4	☐
Verify pipe hangers supports, anchors are in accordance the plans details, approved materials for compatibility with the pipes (prevent galvanic action)	FBC-M 305.3	☐
Verify piping support intervals spacing requirement per (TABLE 305.4)	FBC-M 305.4	☐
Verify condensate drain line pitched (1-percent slope)	FBC-M 307.2.1, FBC-R 1411.3	☐
Verify condensate drain line minimum of ¾ -inch internal dia.	FBC-M 307.2.2, FBC-R 1411.3.1	☐
Verify horizontal primary condensate lines (unconditioned) spaces are insulated	FBC-M 307.2.5	☐
Verify equipment Vibration isolation or other approved means of restraint	FBC-M 301.13	☐
Verify mechanical systems are not installed in elevator shaft	FBC-M 303.8	☐

MIAMI-DADE COUNTY

INSPECTION GUIDELINES

FINAL 001 **Mechanical 003 (A/C)**

Verify Permit card posted	FBC-B [A] 105.7	☐
Verify energy calculations and plans at worksite	FBC-B [A] 107.3.1, FBC-ENRG C103.3.1	☐
Notice of Commencement: Do not apply to the repair or replacement of a/c systems less than $7500.00 (change-outs)	FBC-B [A] 105.8	☐
Verify the building is complete and ready for certificate of occupancy [CO]	FBC-B [A] 111.1	☐
Verify equipment sizing do not exceed 1.15 times the total calculated load and shall not be less than the latent load calculated. **Mandatory**	FBC ENRG R403.7.1.1	☐
Verify equipment sizing output capacity of heating and cooling equipment is not greater than the loads calculated in accordance with Section C403.2.1	FBC ENRG C403.2.2	☐
Check for balanced return air/0.01 inch WC or less/exceptions 1, 2 and 3 - firewalls/ceilings must provide air duct pathways or air transfer pathways from the high pressure zone to the low zone	FBC-M 601.6	☐
Verify manufacturer's expanded performance data is be used to select cooling-only equipment	FBC-R ENRG 403.7.1.1	☐
Verify equipment vibration isolation – approved means of restraint	FBC-M 301.13	☐
Verify wind-load provisions; to include the exception - wind resistance requirements of the 2007 Florida Building Code – Exception;	FBC-M 301.15	☐
Verify Locking access port Caps (tamper resistance caps)	FBC-M 1101.10	☐
Verify protection barriers for appliances subject to mechanical damage	FBC-M 303.4	☐
Check for all manufacturer's installation instruction at time of inspection	FBC-M 304.1	☐
Verify Level concrete pad/or other approved pad installed 3" inches above grade	FBC-M 304.10	☐
Verify appliances shall be located to allow for access for inspection, service, repair, and replacement without removing permanent construction, other appliances, or any other piping or ducts not connected to the appliance being inspected, serviced, repaired, or replaced. A level working space not less than 30 inches deep and 30 inches wide shall be provided in front of the control side to service an appliance	FBC-R 1305.1	☐ ☐ ☐ ☐
Verify guard protection appliances/fans/roof hatches within 10-ft of roof edge – Exception: Guards are not required where permanent fall arrest/restraint anchorage connector devices that comply with ANSI/ASSE Z 359.1 during the entire lifetime of the roof covering.	FBC-M 304.11	☐ ☐
Verify rooftop units, stands, ductwork piping or similar equipment clearances	FBC-B 1522	☐

Verify units installed are marked/identified to area they served	FBC-M 304.12	☐
Verify air handler unit's attic installation/CODE COMPLIANCE	FBC-R ENRG 403.3.6	☐
Verify ladders access on elevated structures/higher than 16 feet	FBC-M 306.5	☐
Verify Sloped/roof serviceable level platform installation-33% or greater	FBC-M 306.5.1	☐
Verify receptacle outlet for equipment; on roof top installations	FBC-M 306.5.2	☐
Verify condensate lines discharge prohibited - streets/alleys/or nuisance	FBC-M 307.2.1	
Verify condensate drains trapped per appliance/manufacturer	FBC-M 307.2.4	☐
Verify water level monitoring device requirements	FBC- M 307.2.3.1	☐
Verify Appliance, equipment and drain pans insulation	FBC-M 307.2.3.2	☐
Verify ductless mini-split equipment that produces condensate be provided with an inline check valve located in the drain line, or a trap	FBC-M 307.2.4.1	☐
Verify provision for condensation prevention on pipes (insulation)	FBC-M 1107.4, 1206.11	☐
Verify Energy performance level (EPL) display card (Mandatory)	FBC- ENRG R401.3	☐
Verify thermostat provision (Mandatory) one thermostat shall be provided for each separate heating and cooling system	FBC- ENRG R403.1.1	☐
Verify HVAC minimum equipment efficiencies (all tables)	FBC-ENRG R402.1.2.4, C403.2.3	
Verify testing (Mandatory) ducts pressure tested to determine air leakage by one of the following methods, rough-in test, or post construction test/Exception (1) & (2)	FBC-ENRG R403.3.3	☐ ☐
Verify mechanical systems commissioning and completion requirements/EXCEPTIONS (1) & (2)	FBC-ENRG C408.2	☐
Verify unit anchor bolt minimum pull-out @ 500/lbs.	Dade County Ordinance CHAPTER--8	☐
Verify air conditioning unit model/serial numbers-(Miami-Dade Police Department) has recognized that there is many "inside jobs" whereby installers are removing components following installation for re-sale at other job locations	Dade County Ordinance CHAPTER--8	☐
Verify remote controls machinery rooms	FBC-M [F] 1106.5.2	☐
Verify emergency machinery shut off - break-glass type or tamper resistance cover / OFF-only control	FBC-M [F] 1106.5.1	

Verify machinery rooms switch break-glass type on-only control of the ventilation fans FBC-M 1106.5.2	☐
Verify smoke detectors installed where indicated in Sections 606.2.1 thru 606.2.3. /NFPA-90 ahead of any branch connections in air supply systems having the capacity greater than 2000 CFM's/ EXCEPTIONS FBC-M 606.2.3	☐
Verify Carbon monoxide protection FBC-B [F] 908.8	☐
Verify carbon dioxide (CO_2) systems FBC-B [F] 908.7	

Check and inspect underground-excavated trenches/ditches/chases pipes, tubes, ducts and related component per its specifications prior to backfill/concealment	FBC-B [A] 110.3(1)	☐
Check pipe sizes and schedules	FBC-B [A] 110.3(1), FBC-M 1305.1	☐
Check piping allowances for expansion, contraction, jarring and vibration	FBC-M 1303.11	☐
Verify underground tanks are installed with flexible connectors	FBC-M 1303.11	☐
1305.1		

Verify Fill piping termination point 2’ from any building openings	FBC-M 1305.6	☐
Verify vent terminate outside of building 2’ feet building openings & weather proof	FBC-M 1305.7	☐
Verify shutoff valve installed on the fuel-oil supply line at the entrance to the building	FBC-M 1307.1	☐
Check if shutoff valves are connected to each fuel-burning oil appliance	FBC-M 1307.2	☐
Verify relief valve on pump discharge if it can exceed the oil system pressure	FBC-M 1307.3	☐
Verify testing - Fuel oil piping shall be tested in accordance with NFPA 31	FBC-M 1308.1	☐

MIAMI-DADE COUNTY

INSPECTION GUIDELINES

FINAL 001 **Mechanical 010**

Verify central furnaces clearance for heater working space	FBC-M 306.1.1	☐
Verify opening/passageway sizes for appliance in attics	FBC-M 306.3	☐
Verify vented wall furnace located as not to create a fire	FBC-M 909.2	☐
Verify duct furnace installed per manufacturer's instructions	FBC-M 911.1	☐
Check heaters clearances to combustible material per manufacturer's instructions	FBC-M 912.3	☐
Check minimum duct size is as per furnace manufacturer's installation instructions	FBC-M 918.2	☐
Verify if unit heaters are installed per manufacturer's instructions	FBC-M 920.1	☐
Verify unit heaters suspended-type installed on non-combustible supports	FBC-M 920.2	☐
Verify radiant duct heaters installed per manufacturer's instructions	FBC-M 927.1	☐
Verify radiant duct heaters clearances, panels or elements to wiring or outlets	FBC-M 927.2	☐
Verify radiant panels installed on wood or steel conform to requirements	FBC-M 927.3	☐

Verify duct coverings and linings meets 25/50 flame and smoke req.	FBC-M 604.3	☐
Verify duct coverings do not to penetrate walls/floors with fire-resistance ratings	FBC-M 604.6	☐
Verify linings are interrupted in area where occurs operation of a fire damper	FBC-M 604.8	☐
Verify insulated exterior ducts is protected weatherproof barrier	FBC-M 604.12	☐
Verify duct insulation minimum R- values climate zone areas	FBC-ENRG C402.1.3	☐

Verify pipe supports intervals (Table) FBC-M 305.4	☐
Verify pressure vessels piping, fittings, joints, connections/devices plans-designed FBC-M 1003.2	☐
Verify Welds on pressure vessels are performed by an R-Stamp holder in accordance with the National Board Inspection Code, Part 3 an approved standard FBC-M 1003.3	☐

Check and inspect underground-excavated trenches/ditches/chases pipes, tubes, ducts and related component per its specifications prior to backfill/concealment	FBC-B [A] 110.3(1)	☐
Verify piping installed in or beneath concrete floors is encased in pipe duct	FBC-M 1107.2.1	☐
Verify before connecting ground/heat pump loop p-test @ 100 psi for 15 min	FBC-M 1208.1.1	☐
Verify ground source heat pump loop system p-test @ 100 psi for 15 min	FBC-M 1210.10	☐
Verify piping embedded in concrete pressure testing prior to pouring	FBC-M 1209.2	☐

Verify Pipe supports spacing as specified in Table 305.4	FBC-M 305.4	☐
Verify boiler or modular boiler shutoff valves in the supply/return piping	FBC-M 1005.1	☐
Verify refrigerant pipes not placed in elevator, dumbwaiter or shafts	FBC-M 1107.2	☐
Verify refrigerant-pipes condensate protection to prevent damage	FBC-M 1107.4	☐
Verify materials for refrigerant pipe and tubing 1107.5.1 thru 1107.5.5	FBC-M 1107.5	☐
Verify hydronic pipes systems exceeding 250 F- clearance 1” to combustibles	FBC-M 1206.5	☐

Verify pipe hangers and supports shall have sufficient strength to withstand all anticipated static/ dynamic loading and piping supports will not promote galvanic action. FBC-M 305.2	☐
Verify Pipe supports spacing as specified in Table 305.4 FBC-M 305.4	☐
Verify condensate drains from cooling coils/evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Piping shall maintain a minimum horizontal of not less than one-eighth unit vertical in 12 units horizontal (1-percent slope). FBC-M 307.2.1	☐
	☐
Verify condensate drain lines are configured to permit the clearing of blockages and performance of maintenance without requiring the drain line to be cut – Exception: FBC-M 307.2.5	☐
Verify pipes installed in or beneath concrete floors are encased in pipe duct FBC-M 1107.2.1	
Verify materials for refrigerant pipe and tubing 1107.5.1 thru 1107.5.5 FBC-M 1107.5	

Verify ductless mini-split equipment that produces condensate shall be provided with an inline check valve located in the drain line, or a trap (computer/data rooms, Etc...)	FBC-M 307.2.4.1	☐
Verify raised roof equipment clearance	FBC-B 1522.3	☐
Verify Roof top piping minimum clearances from finish roof	FBC-B 1522.3.4	☐
Verify Roof equipment and supports are secured to the structure	FBC-M 301.15	☐
Verify appliances protection from damage	FBC-M 303.4	☐
Verify concrete pad level – extends not less than 3” inches above grade	FBC-M 304.10	☐
Verify appliances are permanently marked and identified to the area served	FBC-M 304.12	☐
Verify Locking access port Caps (tamper resistance)	FBC-M 1101.10	☐

Verify metallic ducts shall be constructed as specified in the SMACNA HVAC Duct Construction Standards—Metal and Flexible. FBC-M 603.4	☐
Verify contamination prevention-positive pressure, chimneys & vents/Exceptions: FBC-M 601.4/(1)(2)(2.1)(2.2)(2.3)	☐
Verify materials within plenums listed/labeled 25/50 – ASTM E 84 or UL 723 FBC-M 602.2.1	☐
Verify space provided - air distribution systems (ducts components) FBC-M 603.1.1	☐
Verify mechanically fastened (round metallic duct) min-3 sheet metal screws/rivets FBC-M 603.4.1	☐
Verify flexible air connectors do not penetrating walls, floors or ceilings FBC-M 603.6.2.2	☐
Verify joints. seams and connections FBC-M 603.9	☐
Verify underground ducts installation – protective coating or encased 2" concrete FBC-M 603.8	☐
Verify duct supports-not exceeds 12' feet/SMACNA HVAC Standards (metal/flexible) FBC-M 603.10	☐
Verify flexible duct supports and other factory-made ducts supports per manufactures' installation instructions FBC-M 603.10	☐
Verify ducts including linings, coverings, vibration isolation & connectors are installed on the exterior of the building shall be protected against the elements FBC-M 603.16	☐
Verify flexible ducts & flexible air connectors is not penetrating rated assemblies FBC-M 604.6	☐
Verify duct identification - legibly Printed at intervals not greater than 36" (3-ft) FBC-M 604.7	☐
Verify ducts & air-transfer openings @ fire barriers FBC-M 607.5.2	☐
Verify Fire dampers are listed & labeled, and complies with UL-555/S/C or in accordance with the requirements of testing as part of fire-resistive-rated floor/ceiling or roof/ceiling FBC-M 607.3.1	☐
Verify ceiling fire damper ratings (TABLE 607.3.2.1) FBC-M 607.3.2.1	☐
Verify smoke damper ratings FBC-M 607.3.2.2	☐
Verify combination fire/smoke damper ratings FBC-M 607.3.2.3	☐
Verify flexible ducts and air connectors does not pass through any fire-resistance-rated assembly FBC-M [BF] 607.7	☐
Verify location and installation details of each fire damper, ceiling damper and smoke damper as shown, and identified by designer plans. FBC-M 607.8	☐

Verify space provided - air distribution systems (ducts components)	FBC-M 603.1.1	☐
Verify space provided - air distribution systems (ducts components)	FBC-M 603.1.1	☐
Verify retrofit, replacement not part of a renovation (exemption)	FBC-M 603.1.1	☐
Verify ducts protection for weather/protection against the elements	FBC-M 603.16	☐
Verify 6" lining/interruption upstream-downstream for elec./fuel-burning heaters	FBC-M 604.8	☐
Verify smoke detectors listed/label-complies with UL-268A/other detectors UL-268	FBC-M 606.1	☐
Verify smoke detector exception where required (incapable of spreading smoke)	FBC-M 606.2	☐
Verify smoke detector in return air-systems w/designed capacity over/2000 cfms	FBC-606.2.1	☐
Verify area smoke detectors (exception) in return air-systems	FBC-606.2.1	☐
Verify multiple-air handling systems sharing a common supply/return/air ducts or plenums with a designed capacity over/2000 cfms are provided with smoke detectors	FBC-M 606.2.2	☐
Verify individual smoke detectors (exception) if each fan-terminal provided that such units do not have a designed capacity greater than 2000 cfms	FBC-M 606.2.2	☐
Verify return air risers serving two or more stories with a designed capacity greater than 15,000 cfms-smoke detectors installed at each story located upstream in return air riser before any air duct or plenums	FBC-M 606.2.3	☐
Verify smoke detector supervision audible/visible/connected to fire alarm system	FBC-M 606.4.1	☐
Verify supervisory signal (exception) – 1. smk./detector activates alarms appliances	FBC-M 606.4.1	☐
Verify occupancy without a fire alarm system (exception) – 2. smk./detector shall activates a visible/audible – Smoke detector trouble shall activate visible/audible signal	FBC-M 606.4.1	☐
Verify fire damper actuation device requirements	FBC-M 607.3.3.1	☐
Verify Smoke damper actuation close upon actuation	FBC-M 607.3.3.2	☐
Verify fire/smoke damper access and identification with an approved means of access – access point shall be permanently identified FIRE/SMOKE, SMOKE DAMPER OR FIRE DAMPER – access door shall be tight fitting and suitable for duct construction.	FBC-M 607.4	☐
Verify ceiling radiation dampers installed in accordance w/detail listed in the fire-resistance-rated assembly and the manufacturer's installation instructions and the listing	FBC-M 607.6.2.1	☐
Verify flexible ducts/air connectors do not penetrate fire-resistive rated assembly	FBC-M 607.7	☐

Verify Boiler- 400,000 Btuh/Temp 210 º F/Tank capacities of 120 gal: Definitions FBC-M 202	☐
Verify fuel-fired furnaces/boilers is listed for closets/alcoves installation FBC-M 303.5	☐
Verify welding on pressure vessels are performed by an R-Stamp holder in accordance with the National Board Inspection Code, Part 3 and or with an approved standard FBC-M 1003.3	☐
Verify manufacturer's rating data and the nameplate is affixed to the boiler FBC-M 1004.2	☐
Verify boilers shall be tested to a maximum level of 50 parts per million (ppm) of carbon monoxide as per OSHA guidelines. FBC-M 1004.2.1	☐
Verify passageways around all 4-side of the boiler-(18 inches) FBC-M 1004.3	☐
Verify boiler top clearances to ceiling/overhead obstructions TABLE 1004.3.1 FBC-M 1004.3.1	☐
Verify boilers tanks/equipment secured as per manufacturer's instructions FBC-M 1004.4	☐
Verify mounted on noncombustible construction or listed for combustible flooring FBC-M 1004.5	☐
Verify boiler rooms/ enclosures installation (1hour rated) FBC-B 453.7.8, FBC- M 1004.6	☐
Verify boiler rooms floor drain or other approved means for disposal FBC-M 1004.6	☐
Verify safety/relief valves-installed into the safety relief valves openings FBC-M 1006.5	☐
Verify safety/relief valves discharge pipes are same diameter as the valve outlet FBC-M 1006.6	☐
Verify safety/relief valves high-press-steam discharges vents outside the structure FBC-M 1006.6	☐
Verify controls/limit devices are installed per manufacturer's instructions/listings FBC-M 1006.7	☐
Verify steam and hot water boilers are protected with a low-water cutoff control/-E**xception:** A low-water cutoff is not required for coil/water-tube-type boilers protected with a flow sensing control FBC-M 1007.1	☐

Verify conveyors and conveying systems complies with ASME B20.1	FBC-B 3004.3	☐
Verify conveyors connecting successive floors are provided with a shaft enclosure. Verify openings protection	FBC-B 3004.3.2	☐
Verify conveyer's automatic limit switches	FBC-B 3004.3.2	☐

Verify kitchen hoods and other kitchen exhaust *equipment*, Sections 506.3.13, 506.4 and 506.5./Exception: Factory-built commercial kitchen grease ducts *listed* and *labeled* in accordance with UL 1978 FBC-M 501.3.1	☐
Verify grease duct constructions of 16-gauge steel or 18-gauge stainless steel FBC-M 506.3.1.1	☐
Verify makeup air ducts connecting 18 inches of a Type I hood /duct insulation installed within 18 inches a Type I hood shall be noncombustible FBC-M 506.3.1.2	☐
Verify external hood joints/seams/penetrations be external liquid-tight weld FBC-M 506.3.2	☐
Verify Type I hood - 18 inches" clearance to combustibles FBC-M 507.9	☐
Verify Type I hood (exception)-clearance not required for cementitious wall board attached on non-combustible construction FBC-M 507.9	☐
Verify ducts supports at intervals not to exceed-10 feet FBC-M 510.9	☐
Verify supports constructed of noncombustible material FBC-M 510.9	☐
Verify prior to the use or concealment of any portion of a grease duct system, a leakage test shall be performed. visually inspected on all sides FBC-M 506.3.2.5	☐
Permit holder shall be responsible to provide the necessary equipment and perform the grease duct leakage test. A light test shall be performed to determine that all welded and brazed joints are liquid tight FBC-M 506.3.2	☐
Verify grease duct cleanouts and openings shall comply with all of the following: 1,2,3,4,5,6,7 FBC-M 506.3.8	☐
Verify underground grease duct installations shall comply with all the following: 1,2,3,4, 5,6 FBC-M 506.3.10	☐
Verify kitchen grease duct serving a Type I hood penetrating ceiling, wall, floor any concealed space shall be enclosed from the point of penetration to the outlet terminal FBC-M 506.3.11	☐
Verify commercial kitchen exhaust systems serving Type II hoods complies with Sections 506.4.1 and 506.4. FBC-M 506.4	☐
Verify Up-blast fans serving Type I hoods and installed in a vertical or horizontal position shall be hinged, supplied with a flexible weatherproof electrical cable to permit inspection/ ductwork shall extend not less than 18 inches above the roof surface. FBC-M 506.3.13	☐

Verify commercial kitchen hoods operate-during cooking operations	FBC-M 507.1.1	☐
Verify factory-built commercial hoods listed/labeled in accordance with UL 710	FBC-M 507.1	☐
Verify factory-built commercial hoods exceptions: (1)(2)(3)	FBC-M 507.1	☐
Verify types I hoods are installed at or above all commercial cooking appliances	FBC-M 507.2	☐
Verify Type I hood exhaust fan interlock w/cooking appliances- interlock with exhaust systems shall not extinguish the pilot burners	FBC-M 507.1.1	☐
Verify heat or radiant energy sensors are utilized in hood systems consisting of multiple hoods served by a single exhaust system - sensors shall be provided in each hood	FBC-M 507.1.1	☐
Verify Type I hood grease filter minimum distance as specified in TABLE 507.11	FBC-M 507.2.8	☐
Verify canopy size-location/overhang horizontal distant not less than 6” inches/Vertical distance between the front lower lip of hood surface of the appliance not to exceed 4’ ft	FBC-M 507.4.1	☐
Verify Non-canopy hoods location is not greater than 3 feet above the cooking surface	FBC-M 507.4.2	☐
Verify Performance test – equipment/devices shall be provided by permit holder	FBC-M 507.6	☐
Verify capture and containment shall be visually observe with smoke, steam or produced by actual or simulated cooking or simulated cooking, such as with smoke candles	FBC-M 507.6.1	☐
Verify makeup air is supplied during cooking operation	FBC-M 508.1	☐
Verify makeup air to hood is electrically interlocked to exhaust system	FBC-M 508.1	☐

Verify cooling towers installed with an air conditioning/per manufacturer's installation instructions and it's listing in accordance with UL 1995	FBC-M 908.1	☐
Verify cooling towers/evaporative condenser are accessible for service	FBC-M 908.2	☐
Verify outside air intake vents distances are 20' ft. away from the cooling tower or cooling tower discharge plume is not less than 5 ft. above the intake opening	FBC-M 908.3	☐
Verify cooling tower restraints are per the FBC-Building	FBC-M 908.4	☐
Verify supports/anchorage is designed in accordance w/the FBC-Building	FBC-M 908.4	☐
Verify Drains/overflow/blow-down be approved for discharge of chemical waste	FBC-M 908.6	☐

Verify internal combustion engines/gas turbines/fuel storage and piping per (NFPA 37) - Stationary generator assemblies shall meet UL 2200 FBC-M 915.1	☐
Verify permanent equipment/appliance powered by internal combustion engines/turbines are installed per manufacturers installation instruction and (NFPA 37) FBC-M 915.2	☐
Verify ducts conveying explosive or flammable vapors, fumes or dust 30 feet from property lines,10 feet from operable openings into buildings FBC-M 501.3.1	☐
Verify exhaust discharge clearances to walls, roofs, operable openings & grade FBC-M 501.3.1	☐
Verify minimum distances location of exhaust outlets termination points FBC-M 502.1.3	☐

MIAMI-DADE COUNTY

INSPECTION GUIDELINES

ROUGH 002 **Mechanical 041**

Verify manufacturer's instructions-dyer exhaust systems shall be independent of all other systems FBC-M 504.1	☐
Verify air exhaust/intake openings are protected FBC-M 501.3.2	☐
Verify dry/exhaust ducts terminating outdoor-protected with corrosion-resistant screens, louvers or grilles and shall be sized not less than $^1/_4$ inch or be larger than $^1/_2$ inch FBC-M 501.3.2	☐
Verify domestic clothes dryer used smooth metal duct 4" inch round min. FBC-M 504.4.1	☐
Verify dryers duct supports/secured overlapped joints in direction of airflow FBC-M 504.6.2	☐
Verify dryer transition duct is 8-ft max - not concealed within the construction FBC-M 504.6.3	☐
Verify dryer ducts specified/reduce lengths FBC-M TABLE 504.8.4.1, FBC-R TABLE M1502.4.5.1	☐
Verify dryer exhaust duct total lengths 35-feet FBC-M 504.8.4.1, FBC-R M1502.4.5.1	☐
Verify Protective shield plates shall be placed where nails or screws from finish or other work are likely to penetrate the clothes dryer exhaust duct FBC-M 504.8	☐
Verify all exhaust systems shall discharge to the outdoors FBC-R 1501.1	☐
Verify dryer's manufacturer's instructions termination location: exhaust duct shall terminate not less than 3 feet in any direction from openings into buildings/Exhaust duct terminations shall be equipped with a backdraft damper FBC-R 1502.3	☐ ☐
The passageway of dryer exhaust duct terminals shall be undiminished in size and shall provide an open area of not less than 12.5 square inches FBC-R 1502.3.1	☐
Verify Exhaust ducts shall have a smooth interior finish and be constructed of metal having a minimum thickness of 0.0157 inch (28 gauge). The duct shall be 4 inches (102 mm) nominal in diameter. FBC-R 1502.4.1	
Verify dryer exhaust duct length-35' from the connecting transition to termination FBC-R 1502.4.4	
Verify (dryer) manufacturer's maximum length of the exhaust duct FBC-R 1502.4.4.2	
Verify downdraft range hoods exception for scheduled-40 pipes/fittings FBC-R 1503.2	

Verify bathrooms, water closet compartments and other similar rooms shall be provided with windows area of not less 3 square feet of which 1-half must be openable FBC-R 303.3	☐
Verify air exhaust openings shall terminate not less than 3 feet from property lines; 3 feet (914 mm) from operable/non-operable openings into the building and 10 feet from mechanical air intakes except where the opening is located 3 feet above the air intake. Openings shall comply with Sections R303.5.2 and R303.6 FBC-R 1506.3	☐ ☐ ☐
Verify blower door test for building or dwelling unit as having an air leakage rate not exceeding seven air changes per hour in Climate Zones - 1 FBC-ENRG R402.4.1.2	☐
Verify gravity outside air intake vents 10-ft from hazardous/noxious contaminant FBC-M 401.4	☐
Verify exhaust/intake openings protection - screens/louvers/grilles FBC-M-401.5	☐
Verify enclosed parking garages ventilation systems min. of - .05 cfms per/sq ft FBC-M 404.2	☐
Verify dryer exh-vertical riser shall be provided with a means for cleanout FBC-M 501.3	☐
Verify dryer ducts terminate outside of building with a back-draft damper FBC-M 504.1	☐
Verify Domestic dryer exhaust duct power ventilators shall be listed and labeled to UL 705 FBC-M 504.6 FBC-M 504.5	☐
Verify clothes dryer closets make-up air opening of 100 sq. /inches FBC-M 504.6	☐
Verify termination of exhaust ducts discharge locations FBC-M 501.3	☐
Verify exhaust air is not discharging directly onto walkways FBC-M 501.3.1.1	☐
Verify combustion chimneys and vents FBC-M 801.1	☐
Verify makeup air for clothes dryer exhaust more than 200 cfm's - makeup air have an opening area of not less than 100 square inches FBC-M 614.6, FBC-(IFGC) [M] 614.6	☐
Verify vent terminals for direct-vent appliances per with manufacturer's specs. FBC-M 804.1	☐
Verify natural draft venting of 9-inches between vent and building openings FBC-M 804.2.1	☐
Verify forced draft venting of 12-inches between vent and building openings FBC-M 804.2.1	☐
Verify termination of chimneys/vents power exhausters is 10-ft from lot lines FBC-M 804.3.3	☐
Verify mechanical flue exhausters/venting system size per manufacturer's FBC-M 804.3.7	☐
Verify identification dryer's length tag within 6' of dryer exh/duct connection FBC-R 1502.4.5	☐
Verify exhaust duct cap/plugged and identified for future use/ prior to occupancy FBC-R 1502.4.6	

Verify exhaust openings shall terminate 3’ from property line/3’ from openings areas into the building and 10’ from mech/intakes except when 3’ above FBC-R 1503.2	☐
Verify ozone gas-generator rooms gas detection system/local alarm FBC-B [F] 908.4	☐
Verify Carbon dioxide (CO_2) systems FBC-B [F] 908.7	☐
Verify carbon monoxide protection/EXCEPTION (1) (2) FBC-B [F] 908.8	☐
Verify ozone gas-generator rooms gas detection system FBC [F] 908.4	☐
Verify repair garages flammable-gas protection system FBC [F] 908.5	☐
Verify commercial cooking appliances are not installed dwelling units FBC-M 917.2	☐
Verify household-type (cooking) appliances be listed/label for domestic use FBC-M 917.3	☐
Verify bathrooms, water closet compartments and other similar rooms shall be provided with windows area of not less 3 square feet of which 1-half must be openable FBC-R 303	☐

Verify pressure vessels labels & installed per manufacturer's instructions	FBC-M 1003.1	☐
Verify pressure vessels is stamped per ASME Boiler and Pressure Vessel	FBC-M 1003.1	☐
Verity piping materials/fittings/joints/connections/devices per plans	FBC-M 1003.2	☐
Verify welders compliance with nationally recognized welding certification	FBC-M 1003.3	☐

Verify automatic fire-extinguishing systems installed, inspected, and tested	FBC-B [F] 904.1	☐
Verify system interlocking by design and installation for the hazard	FBC-B [F] 904.3.3	☐
Verify fire-extinguishing systems are monitored by the building alarm system	FBC-B [F] 904.3.5	☐
Verify commercial Type I hood fire suppression system	FBC-B [F] 904.11, FBC-M 509.1	☐
Verify system interlocking by design and installation for the hazard	FBC-B [F] 904.11	☐
Verify cooking fire suppression system automatically shut down fuel/electrical power - reset to be manual	FBC-B [F] 904.11.2	☐

Verify manufacturer's equipment and appliance installation instructions at time of inspection FBC-M 304.1	☐
Verify factory built-fireplaces installed in dwelling units shall comply with the HT requirements of UL 103- be marked "residential type/building heating appliance chimney" FBC-M 805.2	☐
Verify factory-built chimney offset angles not less than 30 degrees/shall not contained more than 4 elbows FBC-M 805.3	☐
Verify decorative shrouds is listed & labeled - specific factory-built chimney system FBC-M 805.6	☐
Verify metal chimneys installed in accordance with NFPA 211 FBC-M 806.1	☐

Verify manufacturer's equipment (fans) and appliance installation instructions at time of inspection- ductless FBC-M 304.1	☐

Verify termination point of exhaust discharge distances	FBC-M 501.3.1	☐
Verify limited spraying spaces ventilation system (6-complete air changes)	FBC-M 502.7.2	☐
Verify electric motors driving exhaust fans are not within booths or ducts	FBC-M 502.7.3.6	☐
Verify fan and housing are of nonferrous/non-sparking materials	FBC-M 502.7.3.6	☐
Verify belts or pulleys are fully enclosed not exposed in air systems	FBC-M 502.7.3.6	☐
Verify spraying operations shutdown when ventilation system is not operating	FBC-M 502.7.3.1	☐

Verify Smoke control systems subject to provisions of FBC-909	FBC-B [F] 909, FBC-M 513.3	☐
Verify building special inspectors-tests and documents per plans	FBC-B [F] 909.3	☐
Verify special inspections agency expertise in fire protection engineering, mechanical engineering and certification as air balancers	FBC-B [F] 909.18.8.2	☐
Verify special inspects-report shall be filed w/the fire code official-Building	BC-B [F] 909.18.8.3.1	☐
Verify acceptance/tested in the presence of the Fire official to confirm that the system is operating in compliance within the system requirements	FBC-B 909.19	☐

Verify roof mounted equipment per HVHZ requirements	FBC-B 1522.2, FBC-M 301.15	☐
Verify roof mounted machinery, piping, ductwork, signs compliance w/height req.	FBC 1522.3	☐
Verify raised roof stands legs height are in accordance with (TABLE) 1522.3	FBC-B 1522.3	☐

Verify elevator Inspector's- QEI reports final and approved for owner operation	FBC-B [A] 110.3	☐
Verify hard-wired working phone in the elevator cab is operational - [Residential]	FBC-B [A] 110.3	☐

INSPECTION GUIDELINES

(QUALITY ASSURANCE INSPECTION) **Permit by Affidavit**

Verify Final-collect all inspection reports (documentation) from private provider pertaining to mechanical inspection were approved for quality assurance Administrative Order 4-120 FBC-B [A] 107.6	☐