



# Mechanical Inspection Checklist

Cayman Islands Government  
 Department of Planning  
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RESULT OF INSPECTION	
Pass	
Fail	
Partial Pass	

Applicant: \_\_\_\_\_ Permit No.: \_\_\_\_\_ Block & Parcel: \_\_\_\_\_  
 Date: \_\_\_\_\_ Site Address: \_\_\_\_\_

INSPECTION ITEMS	A	D	N A
1. Primary and secondary condensate disposal lines installed per section – 304.8			
2. Pipe support shall be spaced so there shall be no undue stress/ strain on the pipe joints, fittings, or valves – 301.4.2			
3. Flex duct cannot be kinked at elbows – 604.4			
4. Rotating equipment protections – shall be provided with screens or gratings of not more than ½ mesh – 301.5			
5. Access opening large enough for the largest piece of equipment but not less than 36" X 22" – 304.4.1			
6. Access opening not more than 20 feet from equipment – 304.4.1			
7. Passageway of continuous solid flooring not less than 24" wide from attic access Attic catwalk and working platform installed for attic equipment 304.1- 304.4.1			
8. Electrical receptacle installed within 25' of air handler equipment NEC 210.63			
9. Motors and fans shall be installed as to afford access for servicing and maintenance – 404.1			
10. Rotary fans without blade protection shall provide not less than 8 ft of clearance from finished floor 404.3.2			
11. Outdoor air intakes shall be protected against fire exposure by suitable means - 405			
12. Recirculation units with fan capacity or more than 2,000 cfm shall have automatic shut-down by a duct smoke detector – 406.1			
13. Recirculation units with fan capacity of 2,000 cfm or less used for egress – shall have automatic shut-down – 406.2			
14. It shall be prohibited to use exit access corridors that are separated by fire rated partitions for return air – 407.1			
15. Ducts shall not pass through exit enclosures – 408.1			
16. Air removed by mechanical exhaust shall be discharged where it cannot readily be drawn back in by the ventilating system – 501.3			
17. Mechanical exhaust from bathroom urinal, locker, service sink, closets or similar spaces shall not be recirculated – 501.4			
18. Duct materials used in mech. exhaust shall be of sheet metal or other approved materials – 501.5			
19. Condensate lines ¾ minimum to terminate at safe locations at the exterior of the building – 304.8.4			

INSPECTION ITEMS	A	D	N A
20. Flex duct connection. Inner and outer jacket connected per manufactures instruction – 604.4			
21. Air exhausted from bathrooms shall be exhausted to the outdoors or shall have windows 3 sq. ft. of open space – 503.3			
22. Grease duct cleanout, electrical shutoff within 20'			
23. An exhaust system shall be provided where machines or equipment produce fumes and shall be discharged to the outdoor atmosphere – 503.1			
24. Kitchen hood shall be tested by Cayman Islands Fire Department prior to final building approvals.			
25. Equipment requires a light switch and receptacle at attic access NEC 210.70			
26. A minimum of 30" of clear floor space on the service side for inspection and servicing shall be provided – 304.7			
27. Every portion of the hood shall have a clearance from combustibles of not less than 18" – 504.4			
28. Range hood or microwave exhaust duct shall be smooth wall sheet metal -505.1			
29. All ducts with a external grease extractor and shall be listed by a nationally recognized agency – 505.3			
30. All seams shall be made liquid tight with a continuous external weld – 505.2			
31. Air removed by mechanical exhaust shall be discharged to outdoors where it cannot be readily drawn back in by a ventilating system – 501.3			
32. Return air intake shall be located not closer than 10-feet from a cooking appliance or 3' from a bathroom - 409			
33. Dryer vents not to exceed 25' in length. Maximum length reduced by 2.5 feet for each 45 ° bend and 5 feet for each 90 degree bend, no metal screws - 509.3			
34. Check gauge and metal Table 604.3			
35. An exhaust hood shall be installed on commercial food processing equipment that produces grease – 504.1			
36. Where natural air is not provided 2 cu. ft. (1 cu. Ft. residential) of air per minute shall be exhausted by mechanical means – 503.3.2			
37. Dryer duct shall not exceed manufacture specifications – 509.3			
38. Check For Fire-Resistant Construction Where Required - 607.1			

**Note: This form is intended as a general checklist and is not intended to address all possible conditions of approval.**

**A = Approved, D = Disapproved, NA = Not applicable**

Notes: \_\_\_\_\_  
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**BUILDING INSPECTOR**

\_\_\_\_\_  
**CONTRACTOR/OWNER**