

Address: _____ Permit #: _____ Date: _____

MECHANICAL ROUGH INSPECTION CHECKLIST

YES	NO	N/A	
___	___	___	1. Manufacturer's installation instructions for products and appliances shall be available on the Jobsite at the time of inspection.
___	___	___	2. Check air handler location – if in attic – within 6' of access opening, walkway not less than 24" wide to unit, work platform not less than 30" X 30" on front or service side of unit.
___	___	___	3. Protection from damage appliances shall not be installed in a location subject to mechanical Damage, unless protected by approved barriers. Pipe to be protected with protective shield plates.
___	___	___	4. Air handler must be labeled with heat strip size.
___	___	___	5. Furnaces and air handlers within compartments shall have a minimum working space clearance of 3" Along the sides, back and top with a total width of the enclosing space being at least 12" Wider than the furnace or air handler.
___	___	___	6. A luminaire switched at the access opening to provide lighting along the walkway and a receptacle Outlet at or near the service area shall be provided.
___	___	___	7. Supply and return duct insulation if not completely within building thermal envelope: $\geq 3"$ – R-8, All others – R-6
___	___	___	8. Duct work passing through garage walls or ceilings shall be rigid (metal or duct board) with no Openings into garage.
___	___	___	9. All distribution system sealed and tested.
___	___	___	10. Proper attachments of inner line and outer jacket of flex ducts shall be provided.
___	___	___	11. Tapes shall be UL 181 and extend a minimum of 1" onto each of the mated surfaces.
___	___	___	12. All ducts shall be constructed, braced, reinforced and installed to provide structural strength & durability.
___	___	___	13. Flexible duct shall be fully extended & properly supported per manufacturer's SMACNA construction Standards.
___	___	___	14. Hangers, saddles and other supports shall not restrict internal duct diameter and shall not be less Than 1 1/2" wide installed at intervals not to exceed 12' and SMACNA duct construction standards.
___	___	___	15. Bends in flex duct shall maintain a center line radius of not less than one duct diameter. Installation Shall be per code and SMACNA duct construction standards.
___	___	___	16. Thermostat wire per the listing, manufacturer's installation instructions.
___	___	___	17. Combustion air must be provided.
___	___	___	18. Shield plates are required to protect refrigerant pipe.
___	___	___	19. Condensate drains must be a minimum of 3/4" and be installed so that horizontally sections have A uniform slope.
___	___	___	20. Auxiliary and secondary drain pans or water level detection shall be provided as required.

- ___ ___ ___ 21. On down flow units that do not have a secondary drain or provisions to install a secondary drain Pan, a water-level monitoring device shall be installed inside the primary drain pan-only.
- ___ ___ ___ 22. Refrigerant piping insulation minimum R-4.
- ___ ___ ___ 23. Refrigerant piping penetrating slabs or foundations or other corrosive materials shall be protected Against external corrosion by a protective sheathing. Installation of materials & insulation Of refrigerant piping.
- ___ ___ ___ 24. Refrigerant piping shall be properly supported.
- ___ ___ ___ 25. Protection of piping insulation, exterior piping insulation shall be protected.
- ___ ___ ___ 26. The air removed by every mechanical exhaust system shall be discharged to the outdoors. Air shall not be exhausted into an attic, soffit, ridge vent or crawl space. Exception: whole-house ventilation type attic fans that discharge into the attic space of Dwelling units having private attics shall be permitted.

THESE GUIDELINES ARE NOT ALL INCLUSIVE. ADDITIONAL REQUIREMENTS IN THE FLORIDA BUILDING CODE MAY ALSO APPLY TO YOUR PROJECT. IF YOU NEED FURTHER ASSISTANCE, PLEASE CONSULT THE CURRENT BUILDING CODE. IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CONTACT THE CITY OF INVERNESS COMMUNITY DEVELOPMENT DEPARTMENT AT 352-726-3401 OR DDS@INVERNESS.GOV.