

1 & 2 FAMILY DWELLING INSPECTOR TRAINING PROGRAM (rev05)

CHECKLIST (Only this BOAF checklist may be used)

Required 72 hours (variable) of FLORIDA BUILDING CODE, ICC, NEC, (or equal) classroom training. (See Master List for related training)

Required 450 hours (minimum) On-the-Job Training (OJT) with a 1 & 2 Family Dwelling Inspector Trainer.

Plumbing Training

A. Extensive training on all aspects of plumbing systems.

1. Administration
2. General Regulations
3. Fixtures, Faucets & Fixture Fittings
4. Water Heaters
5. Water Supply & Distribution
6. Sanitary Drainage
7. Indirect/Special Waste
8. Vents
9. Traps
10. Storm Drainage
11. Fuel Piping
12. Special Piping & Storage

Under slab rough plumbing inspection:

Initial the OJT checklist when each training segment has been completed and include the number of hours spent on that segment and date of completion.

- | | |
|---|--|
| <input type="checkbox"/> DWV pipe & fittings per code | <input type="checkbox"/> DWV graded per code |
| <input type="checkbox"/> DWV fully bedded | <input type="checkbox"/> DWV sized per code |
| <input type="checkbox"/> All vents to code | <input type="checkbox"/> Developed lengths |
| <input type="checkbox"/> Traps per code | <input type="checkbox"/> Sleeving in place |
| <input type="checkbox"/> DWV head test | <input type="checkbox"/> All stacks properly supported |
| <input type="checkbox"/> Water pipe & fittings per code | <input type="checkbox"/> Water piping properly sized |
| <input type="checkbox"/> Water pipe sleeving as required | <input type="checkbox"/> Water pressure test to code |
| <input type="checkbox"/> Under slab elec. & mech. to code | <input type="checkbox"/> Complies with site requirements |

Second rough plumbing inspection:

- | | |
|--|---|
| <input type="checkbox"/> Materials per code | <input type="checkbox"/> Fall, grade & support maintained |
| <input type="checkbox"/> Vents complete & through roof | <input type="checkbox"/> Tubs, stalls, & pans set |
| <input type="checkbox"/> Cutting, notching & boring ok | <input type="checkbox"/> Second floor water tests |
| <input type="checkbox"/> Scald-guard shower valves | <input type="checkbox"/> All fixtures with reqd. stops |
| <input type="checkbox"/> Accesses where required | <input type="checkbox"/> Water piping secured to code |
| <input type="checkbox"/> Nail guards in place | |

Final plumbing inspection:

- | | |
|--|---|
| <input type="checkbox"/> Main shut-off & fixture stops | <input type="checkbox"/> System under pressure |
| <input type="checkbox"/> All fixtures set & sealed | <input type="checkbox"/> Hot on left, cold on right |
| <input type="checkbox"/> Compliance with Fl. Energy Code | <input type="checkbox"/> Back-flow requirements met |
| <input type="checkbox"/> Tub - shower areas water-tight | <input type="checkbox"/> Air admittance valves installed |
| <input type="checkbox"/> Sewer/septic hookup complete | <input type="checkbox"/> Indirect wastes where needed |
| <input type="checkbox"/> Air gaps/air breaks | <input type="checkbox"/> All accessibility requirements met |

Final sewer/septic inspection:

- | | |
|---|--|
| <input type="checkbox"/> Pipe & fittings per code | <input type="checkbox"/> Fall & grade proper per code |
| <input type="checkbox"/> Size of pipe & fittings per code | <input type="checkbox"/> Clean-outs & clearance |
| <input type="checkbox"/> Septic sealed | <input type="checkbox"/> Tap inspected by Utility Co. |
| <input type="checkbox"/> Separation from water service | <input type="checkbox"/> Lift station per design |
| <input type="checkbox"/> Interceptor piped per code | <input type="checkbox"/> Well and pump installations completed |
| <input type="checkbox"/> Florida Energy Code | |

Building Training

A. Extensive training on all aspects of Building systems.

1. Fundamentals
2. Footings, piers, foundation walls, slabs and lintels.
3. Soil conditions and excavations.
4. Site plan verifications.
5. Roof framing and roof sheathing.
6. Interior and exterior framing, fire stopping.
7. Infiltration practices.
8. Accessibility requirements.
9. Emergency egress windows.
10. Blocking and tie downs for mobile homes.
11. Final building inspection including interior finishes, finish grades, right of way requirements, exterior finishes, stairs and landings.

Building Trade Inspections

General site conditions:

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|--|---|
| <input type="checkbox"/> Permit, site plan, & plans posted | <input type="checkbox"/> Address posted |
| <input type="checkbox"/> Notice of commencement posted | <input type="checkbox"/> Lot corners identified |
| <input type="checkbox"/> Proper setbacks | <input type="checkbox"/> Proper site drainage |
| <input type="checkbox"/> Sanitary facilities on site | |

Footing inspection:

- | | |
|--|---|
| <input type="checkbox"/> Depth, width, steel per plan | <input type="checkbox"/> Soil conditions - density report |
| <input type="checkbox"/> Bar laps & corners continuous | <input type="checkbox"/> Dowels per plan |
| <input type="checkbox"/> Steps in footing per code/engineering | <input type="checkbox"/> Complies with site requirements |

Mono and stemwall slab Inspection:

- | | |
|---|--|
| <input type="checkbox"/> All "Footing" items | <input type="checkbox"/> Vapor barrier, 6 mil. |
| <input type="checkbox"/> V.B. seams & penetrations sealed | <input type="checkbox"/> Wire mesh lapped |
| <input type="checkbox"/> Pipe sleeves through footings | <input type="checkbox"/> All forms in place |
| <input type="checkbox"/> Soil treatment certification | <input type="checkbox"/> Water pipes protected |
| <input type="checkbox"/> Column pads ready | <input type="checkbox"/> Foundation block alignment |
| <input type="checkbox"/> Block head and bed joints | <input type="checkbox"/> Slab thickness |
| <input type="checkbox"/> Vert. poured cells clean | <input type="checkbox"/> Vert. Dowels 40 dia. |
| <input type="checkbox"/> Complies with site requirements | <input type="checkbox"/> Under slab plbg., elec. & mech. to code |

Lintel inspection:

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|---|---|
| <input type="checkbox"/> Tie beam size per plans | <input type="checkbox"/> Block alignment, head & bed joints |
| <input type="checkbox"/> Precast lintels match plans | <input type="checkbox"/> Lintel support |
| <input type="checkbox"/> Clean-outs per plan & clean | <input type="checkbox"/> Steel continuous, laps, & hooks |
| <input type="checkbox"/> Concrete cover of steel proper | <input type="checkbox"/> Plumb. Vents & conduits above lin. |
| <input type="checkbox"/> Windows & door openings per plan | <input type="checkbox"/> Flood FFE ok & in file if required |

Framing inspection:

- | | |
|---|---|
| <input type="checkbox"/> Vertical down pours filled | <input type="checkbox"/> Roof sheathing properly nailed |
| <input type="checkbox"/> Shingles properly secured | <input type="checkbox"/> Flashings on roof |
| <input type="checkbox"/> Wall sheathing properly nailed | <input type="checkbox"/> Trusses match engineering |
| <input type="checkbox"/> Truss bracing per plan or engr'g. | <input type="checkbox"/> Truss connectors per plan or engr'g. |
| <input type="checkbox"/> Diaphragm assemblies correct | <input type="checkbox"/> Gable end per engr'g. |
| <input type="checkbox"/> Conventional roof framing per plan | <input type="checkbox"/> Attic vented per plan/code |
| <input type="checkbox"/> Truss alignment ok | <input type="checkbox"/> Trusses designed for load |
| <input type="checkbox"/> Access through roof system | <input type="checkbox"/> Window & door attachments |
| <input type="checkbox"/> Bearing wall construction per plan | <input type="checkbox"/> Non-bearing walls |
| <input type="checkbox"/> Continuous path for uplift | <input type="checkbox"/> Shear walls per plan |
| <input type="checkbox"/> Fasteners & connectors per plan | <input type="checkbox"/> Frame floor system per plan/ engr'g. |
| <input type="checkbox"/> Stair construction per code | <input type="checkbox"/> Guard railing to code |
| <input type="checkbox"/> Fireplace per plan or spec's | <input type="checkbox"/> Chimney built to plan |
| <input type="checkbox"/> Fire stopping to code | <input type="checkbox"/> "Egress" requirements met |
| <input type="checkbox"/> Windows & exterior doors in | <input type="checkbox"/> Safety glazing were required |
| <input type="checkbox"/> Handicap requirements met | <input type="checkbox"/> Vapor barrier in place |

Insulation inspection (rgh.):

- | | |
|---|--|
| <input type="checkbox"/> All "rough" inspections approved | <input type="checkbox"/> Exterior envelope walls insulated |
| <input type="checkbox"/> Infiltration caulking complete | <input type="checkbox"/> Inaccessible ceiling batted |
| <input type="checkbox"/> Dams, baffles, & gages installed | <input type="checkbox"/> Weather protected |
| <input type="checkbox"/> R-value matches plan | <input type="checkbox"/> Holes in walls & floors sealed |
| <input type="checkbox"/> Access for "blow-in" | |

Insulation final inspection (for "blown" insulation):

- | | |
|--|--|
| <input type="checkbox"/> Depth matches R-value | <input type="checkbox"/> Insulation certificate complete |
| <input type="checkbox"/> Attic accessible | |

Final building inspection:

- | | |
|--|---|
| <input type="checkbox"/> Site work & grade as required | <input type="checkbox"/> Compliance to Termite Sections |
| <input type="checkbox"/> Weather & rodent proofed | <input type="checkbox"/> All plumbing complete |
| <input type="checkbox"/> All electrical complete | <input type="checkbox"/> All mechanical complete |
| <input type="checkbox"/> All means of egress | <input type="checkbox"/> Walls & ceilings covered |
| <input type="checkbox"/> Insulation & infiltration | <input type="checkbox"/> Complies with "Handicap" Code |
| <input type="checkbox"/> All "fire" requirements met | <input type="checkbox"/> Garage door to wind region |
| <input type="checkbox"/> Fireplace(s) meet all codes | <input type="checkbox"/> All stairs to code |
| <input type="checkbox"/> Safety glazing where required | <input type="checkbox"/> Guard rails to code |
| <input type="checkbox"/> Completed per plans as relate to code | <input type="checkbox"/> Water & sewer operational |

Final roof inspection:

- | | |
|---|--|
| <input type="checkbox"/> All flashings in place | <input type="checkbox"/> Final roof product in place |
| <input type="checkbox"/> Vents installed per code | <input type="checkbox"/> Water shed from foundation |

Mechanical Training

A. Extensive training on all aspects of mechanical systems.

1. Fundamentals
2. Air Conditioning Systems and Equipment
3. Heating Systems
4. Fuel Systems
5. Combustion and Venting
6. Mechanical Piping materials and Fittings
7. Duct and Venting Systems
8. Exhaust Systems
9. Smoke Control
10. Boilers and Water Heaters
11. Refrigeration
12. Special Systems
13. Piping Systems

Mechanical Trade Inspections

Rough mechanical inspection:

- | | |
|---|--|
| <input type="checkbox"/> Approved materials | <input type="checkbox"/> Duct connections & support |
| <input type="checkbox"/> Sized per Manual "D" & "J" | <input type="checkbox"/> Register locations & size /plan |
| <input type="checkbox"/> "Flex"; extension & radius | <input type="checkbox"/> "R" value to code |
| <input type="checkbox"/> Return air plenum - mech. Closet | <input type="checkbox"/> Equipment platforms & access |
| <input type="checkbox"/> Lighting & servicing electric | <input type="checkbox"/> Drip pan overflow protection |
| <input type="checkbox"/> Bath exhaust fan requirements | <input type="checkbox"/> Exhaust discharge locations |
| <input type="checkbox"/> Dryer vent material & distance | <input type="checkbox"/> Non-screened termination |
| <input type="checkbox"/> Range hood material & joints | <input type="checkbox"/> Discharge/intake locations |
| <input type="checkbox"/> Fireplace & chimney clearance | <input type="checkbox"/> Chimney height |
| <input type="checkbox"/> Combustion air | <input type="checkbox"/> Plenum boxes |
| <input type="checkbox"/> Gas piping materials & joints | <input type="checkbox"/> Gas piping support & size |
| <input type="checkbox"/> Gas vent materials & joints | <input type="checkbox"/> Gas vent support & size |
| <input type="checkbox"/> Gas vent clearance | <input type="checkbox"/> Gas appliance protection |
| <input type="checkbox"/> Gas appliance locations | <input type="checkbox"/> Combustion air |
| <input type="checkbox"/> Confined space ventilation | <input type="checkbox"/> Gas piping pressure test |
| <input type="checkbox"/> Heating system requirements | <input type="checkbox"/> Other fuel systems |
| <input type="checkbox"/> Testing of piping systems | <input type="checkbox"/> Duct insulation |

Final mechanical inspection:

- | | |
|---|--|
| <input type="checkbox"/> Equipment & ducts complete | <input type="checkbox"/> Equipment clearance |
| <input type="checkbox"/> Chases sealed | <input type="checkbox"/> Condensate drainage |
| <input type="checkbox"/> Access to equipment | <input type="checkbox"/> Equipment servicing needs |
| <input type="checkbox"/> Flood requirements | <input type="checkbox"/> Duct clearance from grade |
| <input type="checkbox"/> Gas appliance set w/shut-off | <input type="checkbox"/> Gas appliance protection |
| <input type="checkbox"/> Gas vents complete | <input type="checkbox"/> Combustion air |
| <input type="checkbox"/> Confined space requirements | <input type="checkbox"/> Range hood sealed |
| <input type="checkbox"/> Dryer discharge non-screened | <input type="checkbox"/> Duct insulation |
| <input type="checkbox"/> Fire dampers | <input type="checkbox"/> Smoke control tested |
| <input type="checkbox"/> Solar system | |

Electrical Training

A. Extensive training on all aspects of electrical systems.

1. Temporary power poles. (Overhead and underground).
2. Electrical ground rough. (Wet locations).
3. Electrical rough in above ground. (Residential).
4. Pool electrical requirements.
5. Mobile home electrical services. (Overhead and underground).
6. Final electrical on dwellings. (1 & 2 family).
7. Misc. Electrical services, barn, ag. well, etc.
8. Three phase electric services.
9. Services over 600 volts.
10. More than one service per structure.
11. Conductor ampacity.
12. Hazardous locations.
13. Signs.

Electric Trade Inspections

Rough electric inspection:

- | | |
|---|---|
| <input type="checkbox"/> Wire size, type, & securing | <input type="checkbox"/> Required circuits |
| <input type="checkbox"/> GFCI circuits | <input type="checkbox"/> Small appliance circuits |
| <input type="checkbox"/> Lighting circuits | <input type="checkbox"/> Emergency circuits |
| <input type="checkbox"/> Smoke detector circuits | <input type="checkbox"/> Misc. "Dedicated" circuits |
| <input type="checkbox"/> Buried/underground circuits | <input type="checkbox"/> Required lighting |
| <input type="checkbox"/> Required servicing receptacles | <input type="checkbox"/> Recept. spacing (habitable rms.) |
| <input type="checkbox"/> Recept. spacing (counter tops) | <input type="checkbox"/> Req'd. outside recepts. |
| <input type="checkbox"/> Approved boxes & box fill | <input type="checkbox"/> Accessible J-boxes |
| <input type="checkbox"/> Conduit type, support, & termination | <input type="checkbox"/> Conduit bond & fill |
| <input type="checkbox"/> Wire protected in attic | <input type="checkbox"/> Nail plates - clear of sharp edges |
| <input type="checkbox"/> Wiring below 8' above ground | <input type="checkbox"/> Buried cable, plain & conduit |
| <input type="checkbox"/> Bending radius & kinks | <input type="checkbox"/> Corrosion inhibitor req'd. |
| <input type="checkbox"/> Panel protection & clear space | <input type="checkbox"/> Approved "grounding" system |
| <input type="checkbox"/> Required bonding | <input type="checkbox"/> Required disconnects & locations |
| <input type="checkbox"/> Wiring terminated in box | <input type="checkbox"/> Boxes all made up per code |
| <input type="checkbox"/> Pool equipment & metal bonding | |

Final electrical inspection:

- | | |
|---|---|
| <input type="checkbox"/> All electric trimmed or bugged | <input type="checkbox"/> Required lighting |
| <input type="checkbox"/> Working & identified GFCI circuits | <input type="checkbox"/> Breakers identified & sized |
| <input type="checkbox"/> Panels/disconnects covered/secured | <input type="checkbox"/> Panel/disconnect clearance |
| <input type="checkbox"/> Grounding system complete | <input type="checkbox"/> Neutrals isolated in sub-panels |
| <input type="checkbox"/> Lightning arrester installed | <input type="checkbox"/> Wire color coding |
| <input type="checkbox"/> Proper wire connections | <input type="checkbox"/> Overhead clearance |
| <input type="checkbox"/> Underground depth | <input type="checkbox"/> Light fixture clearance/protection |
| <input type="checkbox"/> Equipment bonding | <input type="checkbox"/> Equipment loads identified |
| <input type="checkbox"/> Flood elevation clearance | <input type="checkbox"/> MH sections bonded together |
| <input type="checkbox"/> Well casing bonded | <input type="checkbox"/> Pool bonding |

