

CITY OF BRADENTON BEACH

Checklist for Building Inspections: 7th Edition Florida Building Codes

General for All Inspections:

- 1- Permit Card
- 2- Permitted Plans (w/municipality stamp)
- 3- Approved Site Plan or Survey (verify setbacks)
- 4- Truss Engineering Package (w/municipality stamp)
- 5- Copy of Filed NOC if required

First Rough Plumbing: - Maintain clearances between potable and DWV systems

1- Drain, Waste and Vent System:

- a. Pipes and fittings — proper materials, sized, aligned and supported
- b. Joints and Connections - primer, glue, other methods consistent w/materials
- c. Test Head Pressure (5' minimum)
- d. Minimum Fall
- e. Fixture Locations
- f. Vent Locations-at least one for VTR un-dimensioned in size
- g. Trap Sizes - deep seal or trap primer where required
- h. Trap to Vent Developed Length
- i. Pipes sleeved through footing or foundation, annular spaces filled, pipes in concrete wrapped

2- Domestic Water Distribution System:

- a. Pipes and fittings proper materials, sized, aligned and supported (min. $\frac{3}{4}$ " water service)
- b. Joints and Connections - primer, glue, other methods consistent w/materials
- c. Test Pressure (working pressure or 50 PSI)
- d. Pipes sleeved through footing or foundation, annular spaces filled, pipes in concrete wrapped

Underground Electrical:

- 1- Underground Race-ways, Conduits - (size, material, burial depth)
- 2- Conductor in Underground Raceways. size, type, conduit fill, seal offs
- 3- Direct Burial Conductors (size, type, burial depth)
- 4- Bushings & Fittings at transition from conduit to direct burial conductors
- 5- Protection of Conductors (emerging from underground)

- 6- Ufer Ground (size, type, connection)

Footing and/or Stem Wall Footing:

- 1- Verify Setbacks (per approved site plan or survey)
- 2- Soil Density Report or Compaction Test
- 3- Verify Termite Treatment
- 4- Verify Building Dimensions (per plans)
- 5- Depth, Width, Length and Location(s) footings, piers, pads per plans
- 6- Forms or Excavations free of stumps, roots, other foreign matter
- 7- Reinforcement and/or Embeds size, type, placement, clearance, splices
- 8- Relief Arches
- 9- Ufer Ground to Building Steel size, type, connection, protection or coating

Stem Wall:

- 1- Bonding Surfaces
- 2- Stem Wall Width (block and mortar or formed) (per plans)
- 3- Reinforcement and/or Embeds size, type, placement, clearance, splices
- 4- Crawl Space Access Opening (conventional floor framing)
- 5- Crawl Space Ventilation (conventional floor framing)

Monolithic Slab/Raised Floor slab:

- 1- Verify Setbacks per approved site plan or survey
- 2- Verify Finish Floor Elevation per approved site plan and form board survey
- 3- Soil Density Report or Compaction Test per permitted plan
- 4- Verify Termite Treatment
- 5- Vapor Barrier minimum 6 mil, lapped and sealed
- 6- Footing depth, width
- 7- Interior Footings or Pads
- 8- Forms or Excavations free of stumps, roots, other foreign matter
- 9- Reinforcement and/or Embeds size, type, placement, clearance, splices
- 10- Vertical Dowels size, type, placement, splice lengths, as per plans
- 11- Welded Wire Fabric or Fiber-mesh per plans
- 12- Verify Sleeves and/or Wraps on piping in/under concrete
- 13- Relief Arches in place at all plumbing passing through/ under footers

- 14- Slab Thickness per approved plans
- 15- Ufer Ground to Building Steel size, type, connection

Raised Floor Slab:

- 1- Interior Footings or Pads
- 2- Forms or Excavations free of stumps, roots, other foreign matter
- 3- Reinforcement and/or Embeds size, type, placement, clearance, splices
- 4- Vertical Dowels size, type, placement, splice lengths per plans
- 5- Welded Wire Fabric or Fiber-mesh per plans
- 6- Verify Sleeves and/or Wraps on piping in/under concrete
- 7- Slab Thickness

Conventional Frame Floor:

- 1- PT Wood or Barrier in contact with earth, girders within 12", or joist within 18" of earth, in contact with concrete
- 2- Layout of Framing Members per permitted plan
- 3- Size(s) of Framing Members (girders, beams, joists per plans)
- 4- Connectors (anchors, straps, brackets, clips fasteners per plans)
- 5- Decking or Sub- floor (layout, thickness, fasteners per plans)

Down Cells and Column Pours:

- 1- Verify Down Cell Location(s) per plans
- 2- Reinforcement (size, type, placement, clearance, splices, hooks, per plans)
- 3- Clean outs (clean and free of mortar droppings)
- 4- Block(s) Size and type (per plans)
- 5- Formwork per plans — spacing for concrete cover, walers and ties in place
- 6- Mortar (type, head joint, bed joint, per plans)
- 7- Plumbing Stacks (properly stubbed out and extended)
- 8- Water Pipes (properly stubbed out and wrapped)
- 9- Electrical Boxes (properly placed, supported)
- 10- Electrical Conduits(properly extended)

Lintel /Tie Beam:

- 1- Lintel - Verify Depth and Length of Lintels per plans
- 2- Pre-cast Lintels are undamaged and unaltered

- 3- Pre-cast Lintels have 4" minimum bearing each end

Tie Beam:

- 1- Bearing Elevation per plans
- 2- Depth of Beams per plans
- 3- Reinforcement (size, type, placement, clearance splices, hooks, corners, per plans
- 4- Embeds (anchors, straps, hangers) per plans

Rake Beam:

- 1- Bearing Elevations
- 2- Depth of Beams per plans
- 3- Reinforcement size, type, placement, clearance, splices, hooks, per plans
- 4- Embeds (anchors, straps, hangers) per plans

2nd Floor Slab:

- 1- Floor Framing Members (layout, size, type per plans and/or truss package)
- 2- Floor Framing (bracing, shoring and/or interior bearing walls, columns, posts
- 3- Floor Framing (bearing and connections at exterior and interior bearing points)
- 4- Floor Decking Materials per plans
- 5- Floor Decking fasteners to framing members sized and spaced per plans
- 6- 2nd Floor Slab Thickness (for poured or pre-cast slab caps) per plans

Wall Framing:

- 1- Wall Layout, Dimensions per plans; Bottom Plate PT wood in contact w/ concrete; Bottom Plate Anchor Bolts & washers, tightened nuts; Top Plates doubled, lapped, fastened per plans; Verify Stud Grade and Spacing, fasteners per plans; Door and Window Opening Locations & sizes per plans; Emergency escape openings sized properly at sleeping rooms, sill height at 44" max; accessible door widths
- 2- Framing details, header depth & width, header support (king & jack studs, attachments and connectors for load paths, door and window bucks
- 3- Notching & boring on all studs, joists, trusses
- 4- Connectors throughout the load path from roof to foundation, including all specified hangers & straps for truss system or joists
- 5- Deadwood and nailers
- 6- Fireblocking at ceilings, soffits, overhangs and other concealed spaces
- 7- Draftstopping at floor/ceiling assemblies > 500 sq. ft; attics; per plans and code, and other concealed spaces
- 8- Stair framing, geometry, uniform risers, treads and nosing
- 9- Balloon framing or other continuous structural path at gable ends and/or vaults inside gables

Roof Framing:

- 1- Trusses supported at all bearing points, layout per plans and truss package, straps & connectors as specified at all bearing points, hangers and other supports, multi-ply trusses fastened at chords and webs per truss engineering, blocking & bracing per truss engineering AND per engineer of record for permanent bracing, dormer framing, placement, blocking & bridging, connectors as specified on plans
- 2- Traditional framing- ridge boards and beams proper thickness & depth per plans and/or code; rafters proper size and grade, aligned, bridging, bracing, collar ties, continuous load path, fasteners and connectors sized and located per plans; joists sized and proper grade of material, aligned, bearing points, connectors, bridging & bracing; valley & jack rafters sized, proper materials, aligned, bearing points, connectors, bracing; dormer framing materials, connectors, blocking and load paths;

Exterior Wall Sheathing:

- 1- Sheathing materials, type, thickness, orientation of panels, span grade, fastening per plans
- 2- Shear wall segments, location, fastening, hold-down connectors, uplift and/or lateral load transfer

Exterior Roof Sheathing:

- 1- Sheathing material, span rating, blocked diaphragm or not, orientation, thickness, fastener spacing and size, clips or blocking at joints
- 2- Dry-in materials, product approved for the use, per manufacturer's specs, proper laps, splices, fastener sizes and spacing
- 3- Flashings and drip edge, product approved for use, thickness/gauge, laps, installed correctly for shedding water

Second Rough Plumbing:

- 1- Drain waste and vent system- Pipes and fittings listed for the use, sized and aligned, supported per code for the type of material, joints and connections properly primed, glued, or otherwise joined; test head pressure; fixtures located and spaced per code and plans; check length of fixture arms; minimum fall per pipe size; VTR

penetration at least 6" above finished roof; vent clearances from building openings; dry vents at least 6" above flood rim of fixture; horizontal vents in attics minimum 6" above batt insulation level; main vent accessible, vertical through to the roof; nail plates sized properly at studs and plates; auxiliary pan drains sized and routed; TPV drain sized and routed
- 2- Water distribution system — Pipes & fittings listed for the use, sized and aligned, supported per code for the type of material; joints & connections properly primed, glued, or otherwise joined; test pressure at working pressure or 50 psi minimum; water hammer arrestors where require; horizontal water pipes in attic insulated where required and at least 6" above batt insulation level; nail plates sized properly at studs & plates; tubs set and secured to wall/floor with anti-scald valve, waste & overflow installed, tub box sealed, water test; shower units installed and secured, shower pan materials in place & secured with all sides turned up 2" min. above finished curb height and sealed at curb, anti-scald valve in place, water test

Second Electrical Rough:

- 1- Service Entrance- proper location; conduits/raceways correct size and material listed for the use; burial depth; overhead clearance; side clearance from openings; roof clearance; service entrance conductors sized for intended loads, listed for use, identified for phases and grounded conductor; grounding electrode conductor sized and installed per code and continuous, with connectors listed for the use; grounding electrode UFER type or acceptable alternative per NEC 250; metal enclosures & raceways bonded; equipment grounding conductors

sized and terminated per listing for intended use with all bushings, clamps, hickies, studs compatible & properly installed

- 2- Branch Circuits- (Dwelling unit min. requirements) Two 20 amp small appliance circuits minimum, a 20 amp laundry circuit, bathrooms on 20 amp circuit(s), dryer circuit, range circuit, AFCI combination circuits, gfci circuit for exterior outlets, garage, accessory building with electric supplied, boathouses, crawl spaces, unfinished basements, attics with equipment, HVAC service outlets, kitchen countertops & wet bars

Outlet requirements — kitchens, family & living rooms, dining rooms, parlors, dens, bedrooms, rec rooms, or similar areas, within 6' of door or wall openings & every 12 lineal ft. thereafter; any wall space over 2' in length; hallways over 10' in length; floor receptacle outlets not counted unless within 18" of wall; room dividers and other areas counted as wall space; counter-top recepts in kitchens not over 20" above counter, within 12" of edge of sink/range/ countertop and no more than 48" apart, island and peninsular tops with at least 1 outlet if top is minimum 12" short dimension & 24" long dimension; bathrooms, provide gfci outlet within 3' of outside edge of lavatory

Lighting Outlets - Every habitable room at least one switch controlled lighting outlet; EXCEPTION: in other than kitchens and bathrooms, one or more receptacle outlets controlled by a wall switch shall be permitted in lieu of lighting outlets; hallways; stairways need a switch controlled outlet at each floor level; Exterior grade level walk doors; attached garages; detached garages with electrical power; utility rooms; closets (if provided, check for prohibited locations over shelf spaces; attics with equipment or storage(near access opening) ; underfloor spaces; basements; spaces containing equipment (HVAC, pumps, etc.)

Smoke detectors and carbon monoxide detectors properly located

- 3- Disconnects required water heater, air handlers, condensing units, other fixed in place equipment
- 4- Wiring methods — Panel & sub-panel locations/working clearances (prohibited in closets or bathrooms); conductors sized per circuit loads; identify each system; multi-wire branch circuits have common disconnect; conductors are of same circuit including EGC or bonding conductors; grounded conductor white; EGC green or bare; bored holes not less than 1¹/₄" from edge or provide nail plates, factory/field punched holes in metal

framing protected by bushing/grommet, conductors paralleling framing & < 1¹/₄" from edge needs protection by metal plates, conductors leaving raceway ends need bushing/protect for #4 & larger, all NM type (romex) wiring supported, secured within 12" of box, connectors where required, protected within 6' of attic or under-floor openings, 6" extra conductor length at boxes, boxes set back 1¹/₄" in non-combustible surfaces, but flush in combustible, boxes secured to framing, ceiling fan boxes listed for use

HVAC Rough:

- 1- Exterior of building— exhaust vents terminated above roof surface, separated from other openings or intakes; exhaust vents through walls, same separation requirements; bathroom exhausts not over walkways and separated from other openings or intakes; all vents have backdraft dampers in place, NO SCREENS OR OBSTRUCTIONS FOR DRYER VENTS; all exhaust vents capped; fresh air intakes separated from any exhausts; a/c linesets installed and chased, sealed for moisture/rodent intrusion; location of electrical disconnects at fixed equipment for working clearances; exterior ducts listed for use, R-values, proper support and fastened in place, not less than 6" above grade; ventilation of crawl spaces and/or attics
- 2- Interior of building —
Equipment: Air handler platform located and sized for clearances, accessible; platform with enclosed plenum fully insulated; clearance to combustibles and for service; ductwork mechanically fastened to equipment; supply & return plenums/ducts have 4" clearance for sealant; refrigeration lines installed, not located in a plenum; chases or linesets sealed; suction line insulated and condensate drain lines routed properly, insulated per code; auxiliary pan with separate drain and/or float switch; combustion air ducted in for fuel-fired units

Air Handlers in Attic: Trusses engineered for added loads; Joists (if conventional framing) engineered for added load; attic access large enough to allow remove/replace equipment, but not less than 22" X 36"; access opening no more than 6' from the service panel of the equipment; passageway 24" wide minimum is provided from access to the equipment with solid floor and elevated to allow for insulation under the platform; 30" x 30" working platform at the service panel, and elevated for insulation underneath; 30" vertical clearance above the platform; auxiliary pan with separate drain and float switch under the unit; lighting outlet near equipment with switch at the access; 120v. GFCI receptacle located in the attic within 25' of equipment; combustion air sized and piped when using fuel-fired equipment; ducts for combustion air and venting listed for the use unless as provided and specified by manufacturer; 5' minimum vent termination above roof angle for fuel-fired units

Crawl Space installations: Access opening large enough to remove/replace equipment, but not less than 22" x 36"; opening no more than 20' to the equipment service panel; level grade or working platform w/ 30" on all sides of equipment for servicing; 36" vertical clearance above level grade or platform; lighting outlet near equipment, with switch at the access opening; 120v GFCI receptacle outlet in the crawl space and within 25' of the unit; combustion air sized and piped (for fuel-fired units); venting per manufacturer's requirements and/or code; combustion and venting ductwork listed for use unless provided and specified by the manufacturer; equipment is located above base flood elevation (in SFHA) or protected to prevent water from entering or accumulating in equipment, appliance, ducts or plenums

Duct Systems: Supply, return, exhaust ducts installed per layout; material listed for that use; R-Value per plans and energy code; supply ducts and return ducts sized properly; duct boots and sealants listed for the use; ducts supported per manufacturer/code; routing and supports installed with no restrictions (kinks, pinched between framing, sharp radius, etc.); mechanical connections & fasteners where required; plenums sealed; continuous return ducts where concealed plenums; boxes & outlets sealed; joints and seams taped/sealed per listing; duct detectors in ducts and interlocked for auto shut-down of AHU where > 2000 CFM, EXCEPT FOR 1 & 2 FAMILY DWELLINGS; balance air returns by transfer grilles or ducts; fresh air intake (where required)

Exhaust Systems:

Bathroom exhausts vented to exterior; minimum CFM per plans or code, except for 1 & 2 family with windows with at least 3 sq. ft. of openable area;

Domestic clothes dryer vented with smooth hard duct, min. gauge per code, 4" min. diameter, backdraft damper & termination cap w/ no screen, properly secured and supported, joints lap in the direction of air flow with no screw penetrations or obstructions, max length per FBC-R, M1502.4; nail plates where required at studs and plates; transition ducts from dryer to exhaust duct system max. 8' long, single piece, listed/labeled for use, and not concealed

Commercial Dryer Vents (per plans and per code):

Domestic Range Hood Exhaust: Exhaust ducts vertical and down-draft to discharge to exterior, using galvanized, stainless steel, copper or other approved material; smooth interior with no obstructions, air-tight, with back-draft damper; PVC allowed with 5 conditions

Commercial Grease Hoods and Exhaust Ducts: Design/install per plans and code; coordinate with Fire Marshal for suppression system, light tests, duct wrap, exhaust clearances

Factory Built Solid Fuel Burning or Gas Fired Appliance Exhaust Vents or Chimneys/ Stoves: Installation per manufacturer's specs, check clearance to combustibles, sleeves at penetrations, clearance above roofs, vent connections, termination caps, draft-stopping & fire blocking as required, hearth materials, location, sized for side clearances per manufacturer's specs, combustion air, adequate ventilation, exterior portions weatherproof and flashed

Gas Rough:

- 1- Exterior piping: Location of pipe through exterior wall, bonding of gas piping, underground piping minimum 18" below grade; piping not allowed in concrete without approval, pressure test gauge not less than 10 PSI
- 2- Interior piping: material listed/labeled or approved for use; sized per fixture units, pipe supported, nail protection as required, pressure test gauge not less than 10 PSI

- 3- Combustion Air/Ventilation: Adequate combustion air in all rooms w/gas fired appliances, adequate ventilation in rooms w/gas fired appliances
- 4- Flues and vents: Materials listed for use or approved for use, or as per manufacturer's specification; installed and routed properly, sleeved where required, sealed and supported per specs, mechanical connections at appliances and joints; clearance from combustibles; single wall vent ONLY in exposed areas, not concealed; double wall (B or BW) in attics or other concealed spaces; location of vent connectors, size and type of connectors; vertical/horizontal run ratio; flue damper stops on gas units per manufacturer's specs

Insulation: (Information on plans and Energy Compliance forms must match up with all installed thermal envelope components)

- 1- Exterior of Building: Roof covering complete and weather-tight; all windows and doors installed and all other openings in exterior walls sealed; verify type glass in windows and doors per plans and per energy forms; R-Value of insulation for all exterior portions of the thermal envelope; support of insulation for horizontal installation; fastening for vertical applications.
- 2- Interior of Building: R-Value and installation of insulation material; all joints, cracks and holes sealed against air infiltration, including along the bottom plate of framing, all voids insulated inside window arches, behind tubs and showers, etc.; vapor barriers where required; all platforms, ducts, pipes and wire in Attics elevated to allow proper thickness of batt insulation

Blown Insulation: Baffles and chutes for insulation over R-19; dams for insulation up to R- 19; rulers every 6' to 10' and visible from attic access opening; Batt insulation where vertical clearance doesn't allow for blown insulation, such as corners of hipped roofs; properly sized attic access opening

FINAL INSPECTIONS

Plumbing Final:

- 1- Water Service: Separation from Sewer Service, properly sized (per plans, per code, 3/4" minimum), approved material, 12" minimum burial depth, main shutoff valve installed (valve box provided)
- 2- Sewer Service: Separation from Water Service, approved material, proper size (per plans, fixture count), clean-out minimum 18" from building, proper fall and bedding, static Pressure Test, connection to Utility Tap or septic tank (connector type, size)
- 3- Main Shut Off valve, Back Flow Prevention at utility connection and vacuum breakers at hose bibs, exposed exterior piping is insulated and protected from UV, Thermal Expansion Device installed, Cold water shutoff valve at Water Heater, Temperature/Pressure relief Valve installed and routed for drainage, Auxiliary Pan and Drain; Gas fired Water Heaters 18" minimum above floor to pilot light and/or burner if installed in garage or storage closet, Stops and Traps installed at all fixtures, collars/escutcheon plates where pipes pass through walls, floors or ceilings, Hot and Cold Water Indicators (hot on left, cold on right, NOT REVERSED), Fixtures, stops, and traps free of defects or leaks, Ice- maker and Washer Boxes trimmed out, Air Gap at dishwasher and washing machine

Electrical Final:

Overhead Service complete - weather-head height, riser size, riser support, meter enclosure securely attached; grounding electrode conductor properly sized and properly connected to ufer ground or acceptable alternative grounding system; Underground Service (service laterals not installed by the power utility must comply with NEC 300-5(d), all must be protected by a properly sized and supported raceway; service entrance conductors properly sized and terminated; 3- Phase (installed ABC, high leg center, marked orange), Bonding jumpers installed at metal raceways and at first means of disconnect; Equipment Grounding Conductor sized and connected per plans or NEC 250; inter-system bonding block installed adjacent to service

Main Service disconnect properly sized & securely attached (no more than 6 disconnects grouped w/o a main disconnect); Shunt Trips and/or Surge Arrestors (where required, properly installed); Over current devices sized for circuits and conductors, all circuits identified and labeled; conduit fill and conductor protection; termination of conductors (lugs clamps and connectors tight)

FYI: TERMINALS FOR MORE THAN ONE CONDUCTOR AND TERMINALS USED TO CONNECT ALUMINUM SHALL BE SO IDENTIFIED, AND LISTED/LABELED FOR THE INTENDED USE

Panels, Sub-panels and Disconnects: Required working clearances; verify conduit fill and conductor protection; all enclosures, feeder conductors, circuit conductors, and over-current protection devices are correctly sized and identified, properly labeled and terminated; Back fed breakers shall be secured by an additional fastener, so it requires more than a pull to release the device; unused openings blanked off at panels and enclosures; all junction boxes accessible and with covers; all flexible conduit secured within 12" of disconnects; all disconnects for fixed equipment fastened in place and with proper working clearances; all switches and disconnects installed so that "up" indicates the equipment is energized; Motors and Controllers provided with disconnects, check for proper bonding of motors and enclosures per manufacturer's instructions

Receptacle Outlets: All outlets in good working condition with no apparent defects, or damage; no open grounds or reversed polarity; Spacing along walls, counter tops, in bathrooms is consistent with plans and from electrical rough-in; GFCI and AFCI Protection where required, Outlets in wet location have weatherproof in-use covers

Lighting: Working Condition with no apparent damage or defects; supported per manufacturer's listing and installation; locations at entrances/exits per plans and code; switches and controls located properly and oriented so "up" indicates the circuit is energized; light fixtures in closets need to check for type of fixtures and spacing from shelf storage area, combustible clearances, etc. with no exposed bulbs, no pendant fixtures; Tub/Shower Zone (8' up from and 3' out from flood rim of tub or shower stall threshold); Exterior Fixtures required at all egress doors, listed/labeled for wet or damp locations

Smoke Detector Locations: Each floor level, ceiling near the bottom of stairs, outside of bedrooms (in the area of approach), inside bedrooms; FYI : NOT in the air flow of any air handling equipment, within 3' of a bathroom or kitchen door, within 3' of the blade tips of ceiling fans; Photoelectric Type SD or Silencing Capability SD needed within 20' of cooking appliances; all smoke detectors hardwired with battery backup and interconnected

Carbon Monoxide Detectors: Where the building has attached garage or fossil fuel burning equipment, install CO detectors per FBC Building Section 916 and FBC Residential R315, within 10' of sleeping rooms

Ceiling Fans: Properly supported, box listed for use, minimum 8' above flood rim of bathtub or shower threshold, minimum 7' 6" above water level of pools, spas, hot tubs, minimum 6' 8" above walking surfaces

Mechanical Final:

Exterior of Building: Exterior Ducts (type, mechanical fasteners, sealing of seams, joints and connectors); R-Value (Insulated duct jacket), properly supported (6" minimum above grade), Crawl Space and Attic Ventilation, Bathroom Vent termination Caps, Dryer Vent Termination Cap (w/damper, no screen), Range Hood Termination Cap; HVAC Equipment on a solid pad, at least 6" above grade, tied down (for flood zones, mounted at or above BFE or protected from flood water intrusion); Condensate Drains correctly installed and trapped, routed to drain at least 12" from walls; Metal sleeves at duct connections within 6" of heat strips); Data Plate on Equipment model number, BTU rating, circuit ampacity, overcurrent protection device; Equipment electrical service location, installation, protection of conductors, over current protection device; Gas Service clearance for meter, 18" minimum burial depth, bonded, shut-off valves, wall penetrations sealed; Flue Vents or Chimneys - locations, heights, termination caps, flashings

Interior of Building: Air Handler is accessible, access opening size, working clearance, clearance from combustibles, equipment adequately supported, auxiliary pan with Drain and/or Float Switch, connection and sealing of Ducts to equipment, sealing of duct penetrations through walls and/or ceilings; proper support and connections of refrigeration lines, gas lines; Data Plate with model number, BTU rating, minimum circuit ampacity, size of over-current protection; Electrical disconnect location and installation, circuit conductors sized and protected, over-current protection; Energy Performance Level placard signed by builder and posted on the AHU; Florida HVAC Efficiency placard signed by the HVAC contractor, posted on the AHU; FTC labels (yellow labels) on each piece of equipment; A/C Chase Openings Sealed

Air Handlers in Attics: NOTICE TO OWNER POSTED ON ELECTRICAL PANEL

Trusses engineered for added loads; Joists (if conventional framing) engineered for added load; attic access large enough to allow remove/replace equipment, but not less than 22" X 36"; access opening no more than 6' from the service panel of the equipment; passageway 24" wide minimum is provided from access to the equipment with solid floor and elevated to allow for insulation under the platform; 30" x 30" working platform at the service panel, and elevated for insulation underneath; 30" vertical clearance above the platform; auxiliary pan with separate drain and float switch under the unit; lighting outlet near equipment with switch at the access; 120v. GFCI receptacle located in the attic within 25' of equipment; combustion air sized and piped when using fuel-fired equipment; ducts for combustion air and venting listed for the use unless as provided and specified by manufacturer; 5' minimum vent termination above roof angle for fuel-fired units

Air Handlers in Crawl Spaces: Access opening large enough to remove/replace equipment, but not less than 22" x 36"; opening no more than 20' to the equipment service panel; level grade or working platform w/ 30" on all sides of equipment for servicing; 36" vertical clearance above level grade or platform; lighting outlet near equipment, with switch at the access opening; 120v GFCI receptacle outlet in the crawl space and within 25' of the unit; combustion air sized and piped (for fuel-fired units); venting per manufacturer's requirements and/or code; combustion and venting ductwork listed for use unless provided and specified by the manufacturer; equipment is located above base flood elevation (in SFHA) or protected to prevent water from entering or accumulating in equipment, appliance, ducts or plenums

Bathroom exhaust fans trimmed out, dryer vent and range hood trimmed out and connections sealed.

Ducts and grills for supply, return, and transfer air are sized per plans or per minimum code; balanced returns required for all rooms except kitchens, laundry rooms, and small closets

Factory Built Fireplaces: Hearth size; clearance from combustibles; combustion air hooked up; chimney termination complete and per height requirements

Gas Fired Appliances: Locations of Gas Fired Appliances and/or Stub-outs per plans; clearance from combustibles; protection from physical damage for appliances installed in garages; pilot lights and/or burners minimum 18" above finish floor for appliances installed in garages; shut-off valves within 6" of appliance, unused stub-outs are hard capped; combustion air provided with adequate supply in every room w/gas fire

appliances; Regulator location for high pressure gas systems with proper clearance from openings and sources of ignition; Appliances for high pressure systems must all be approved, listed and labeled for such use.

Flue Vents: Using correct material (listed and labeled); properly installed and supported; mechanical connections at appliances and joints; clearance from combustibles; single wall in pipe allowed in exposed areas only and 6" minimum clearance from combustibles; double wall Type B and BW in attics & concealed spaces; clearances per manufacturer's specifications, but not less than code unless proprietary listing; Common vents for multiple appliances properly routed & interconnected proper materials, and sized for appliances served; vent locations, connections, directional flow, all joints & transitions sealed and fastened; rise/run ratio; flue damper stops for gas logs; flue damper in place for wood-burning fireplaces/appliances;

Building Final:

- 1- Verify proper address posted (size, location).
- 2- Final Survey (w/ finish floor elevation and flood zone information reviewed and approved).
- 3- Proof of Final Termite Treatment.
- 4- Energy Compliance Placard posted on water heater or electrical panel.
- 5- Verify that exterior is complete (protective finishes against weather, insects, rodents).
- 6- Wood Siding and/or Foam Products (6" above grade).
- 7- Roof Covering and Flashings properly installed.
- 8- Site is sloped to facilitate drainage away from structure.
- 9- Garage Door installed per product approvals and plans, w/wind pressure rating labels.
- 10- All Stairs, Landings, Handrails, Guard-rails per plans and per code.
- 11- All doors and windows have wind pressure rating labels checked off and approved,
- 12- Condensate Lines and Down Spouts are diverted to at least 12" away from foundation.
- 13- Installation of Skirting, grille covers, flood vents where required.
- 14- All sub-trades complete with final inspections noted.
- 15- All local zoning compliance inspections, including rights of way, sea turtle lighting, stormwater and floodplain administration have been conducted and approved.