



## **Commercial and Residential Inspection Checklist**

### **General**

Permit Card  
Permitted Plan (w/city stamp)  
Approved Site Plan or Survey (verify setbacks)  
Truss Engineering Package (w/city stamp)

### **200 First Rough Plumbing**

#### **Drain, Waste and Vent System**

Pipe(s) and Fitting(s) Material(s)  
Pipe(s) and Fitting(s) Size(s)  
Pipe(s) and Fitting(s) Alignment/Support  
Joints and Connections  
(primer, glue, other methods consistent w/materials)  
Test Head Pressure (5' minimum)  
Minimum Fall  
Fixture Locations  
Vent Locations  
(at least one for VTR undiminished in size)  
Trap Size(s) (deep seal or trap primer where required)  
Trap to Vent Developed Length  
Pipe Sleeved (through footing or foundation)  
Annular Space Filled (between pipe and sleeve)  
Pipes Wrapped (through concrete)

#### **Domestic Water Distribution System**

Pipe(s) and Fitting(s) Material(s)  
Pipe(s) and Fitting(s) Size(s)  
(3/4" minimum water service)  
Pipe(s) and Fitting(s) Alignment and Support  
Joints and Connections  
(primer, glue, other methods consistent with materials)  
Test Pressure (working pressure or 50 PSI)  
Pipe(s) Sleeved (through footing or foundation)  
Annular Space Filled (between pipe and sleeve)  
Pipes Wrapped (through concrete)

### **450 Underground Electrical**

Underground Raceways, Conduits  
(size, material, burial depth)  
Conductor in Underground Raceways, Conduits  
(size, type, conduit fill, seal offs)  
Direct Burial Conductors (size, type, burial depth)

Bushing or Terminal Fittings  
(at transition from conduit to direct burial conductors)  
Protection of Conductors (emerging from underground)  
Ufer Ground (size, type, connection)

### **251 Footing and/or 252 Stem Wall Footing**

Verify Setbacks  
(per approved site plan or survey)  
Soil Density Report or Compaction Test  
Verify Termite Treatment  
Verify Building Dimensions (per permitted plan)  
Depth, Width, Length and Location(s)  
(footings, piers, pads) (per permitted plan)  
Forms or Excavations  
(free of stumps, roots, other foreign matter)  
Reinforcement and/or Embeds  
(size, type, placement, clearance, splices)  
Relief Arch (per permitted plan)  
Ufer Ground to Building Steel  
(size, type, connection)

#### **Stem Wall**

Bonding Surface  
Stem Wall Width  
(block and mortar or formed) (per permitted plan)  
Reinforcement and/or Embeds  
(size, type, placement, clearance, splices)  
Crawl Space Access Opening  
(conventional floor framing)  
Crawl Space Ventilation  
(conventional floor framing)

### **250 Monolithic Slab/Raised Floor slab**

Verify Setbacks  
(per approved site plan or survey)  
Verify Finish Floor Elevation  
(per approved site plan and form board survey)  
Soil Density Report or Compaction Test  
(per permitted plan)  
Verify Termite Treatment  
Vapor Barrier  
(minimum 6 mil, lapped and sealed)

#### **Monolithic Slab**

Footing (depth, width)  
Interior Footings or Pads  
Forms or Excavations  
(free of stumps, roots, other foreign matter)  
Reinforcement and/or Embeds  
(size, type, placement, clearance, splices)  
Vertical Dowells  
(size, type, placement, (per approved plan),  
minimum 25" in height for splice)  
Welded Wire Fabric or Fibremesh

(per permitted plan)  
Verify Sleeves and/or Wraps (plumbing)  
Relief Arch (per permitted plan)  
Slab Thickness (per approved Plan)  
Ufer Ground to Building Steel  
(size, type, connection)

### **Raised Floor Slab**

Interior Footings or Pads  
Forms or Excavations  
(free of stumps, roots, other foreign matter)  
Reinforcement and/or Embeds  
(size,type,placement,clearance, splices)  
Vertical Dowells  
(size, type, placement (per permitted plan),  
minimum 25" in height for splice)  
Welded Wire Fabric or Fibremesh  
(per permitted plan)  
Verify Sleeves and/or Wraps(plumbing)  
Slab Thickness

### **Conventional Frame Floor**

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

### **262 Down Cell**

Verify Down Cell Location(s)  
(per permitted plan)  
Reinforcement (size, type, placement, clearance,  
splices, hooks, per permitted plan)  
Cleanouts (clean and free of mortor drippings)

### **Block(s)**

Size and type (per permitted plan)  
Mortor (type, head joint, bed joint, per permitted plan)  
Plumbing Stacks (properly stubbed out and extended)  
Water Pipes (properly stubbed out and wrapped)  
Electrical Boxes (properly placed, supported)  
Electrical Conduits(properly extended)

### **300 Lintel /Tie Beam**

#### **Lintel**

Verify Depth and Length of Lintel(s)  
(per permitted plan)  
Pre-cast Lintel(s) (undamaged, unaltered)

Pre-cast Lintel(s) (4"minimum bearing each end)

### **Tie Beam**

Bearing Elevation (per permitted plan)  
Depth of Beam(s) (per permitted plan)  
Reinforcement (size, type, placement, clearance  
splices, hooks, corners, per permitted plan)  
Embeds (anchors, straps, hangers,  
per permitted plan)

### **312 Rake Beam**

Rearing Elevation(s)  
Depth of Beam(s)  
Reinforcement (size, type, placement, clearance,  
splices, hooks, per permitted plans)  
Embeds (anchors, straps, hangers,  
per permitted plan)

### **254 2nd Floor Slab**

Floor Framing Members (layout, size, type  
per permitted plan and/or permitted truss package)  
Floor Framing (bracing, shoring and/or interior  
bearing walls, columns, posts in place)  
Floor Framing (bearing and connections at  
exterior and interior bearing points)  
Floor Decking Material(s) (per permitted plan)  
Floor Decking (fastening to framing members  
per permitted plan)  
2nd Floor Slab Thickness (per permitted plan)

### **Framing**

Wall Layout, Dimensions (per permitted plan)  
Bottom Plate (PT wood in contact w/concrete)  
Bottom Plate Anchor Bolts (washer, tightened nuts)  
Top Plate (doubled, lapped, fastened,  
per permitted plan)  
Verify Stud Grade and Spacing (fastening,  
per permitted plan)  
Door and Window Opening Locations  
(per permitted plan)  
Door and Window Opening (sizes per permitted  
plan FYI: at least one 1st floor bathroom  
require a minimum 29" clear door opening)  
Header Depth, Width and Construction  
(per permitted plan)  
Header Support (king and jack studs, per permitted  
plan)  
Egress Window Opening (sleeping rooms)  
(maximum sill height 44", sized per permitted plan)  
Door and Window Bucks (material, size, attachment,

per permitted plan)  
Notching and/or Boring (studs, joists, trusses)  
Connectors (fasteners, hangers, straps, clips,  
per permitted plan and/or truss package)  
Fireblocking (ceiling levels, soffits, overhangs  
per permitted plan, other concealed spaces  
as required by code)  
Draftstopping (at floor ceiling assemblies greater  
than 500 sq. ft. and/or per permitted plan or  
other concealed spaces as required by code)  
Deadwood or Nailers  
Stair (per permitted plan)  
Balloon Framing at Gable End(s)  
(per permitted plan)

### **352 Exterior Wall Sheathing**

Sheathing (material type, thickness, orientation  
of panels, fastening per permitted plan)  
Shear Walls (locations, fastening and/or  
uplift connectors per permitted plan)

### **354 Roof Sheathing**

#### **Truss Supported**

Truss Layout (per permitted plan  
and/or truss package)  
Truss Bearing Points (alignment, fastening,  
strapping per permitted plan and/or truss package)  
Multi-ply Girders (alignment, fastening,  
strapping per permitted plan and/or truss package)  
Blocking and Bracing (per permitted plan and/or  
truss package)  
Doormers (framing, placement, blocking, bracing,  
per permitted plan, truss package and code)

#### **Framed Support**

Ridge board (thickness and depth  
per permitted plan and per code)  
Rafters (material size, alignment, bearing points  
strapping, blocking, bracing, collar ties, fastening  
per permitted plan and per code)  
Joist (material size, alignment, bearing points  
strapping, blocking, bracing, collar ties, fastening  
per permitted plan and per code)  
Valley or Jack Rafters (material size, alignment,  
bearing points, strapping, blocking, bracing,  
per permitted plan and per code)  
Doormers (framing, placement, blocking, bracing,  
strapping per permitted plan and code)

### **Sheathing**

Sheathing (material type, orientation, thickness, fastening, clips per permitted plan and/or code)

Dry-in Materials (type, lapping, splicing attachment, per permitted plan and/or manufacturer's specifications)

## **202 Second Rough Plumbing**

### **DrainWaste and Vent System**

Pipe(s) and Fitting(s) Material(s)

Pipe(s) and Fitting(s) Size(s)

Pipe(s) and Fitting(s) Alignment/Support

Joints and Connections

(primer (purple), glue, other method(s) consistent w/materials)

Test Head Pressure

Fixture Location(s), Clearance(s)

(per permitted plan, per code)

Developed Length of Fixture Arm Over

(trap to vent)

Minimum Fall (per pipe size)

VTR Through Penetration (6" minimum)

Vent Clearance from Doors or Windows

Horizontal Dry Vent (6" above flood rim of fixture)

Horizontal Vents in Attic (above batt insulation level)

Studor Vent (accessible location, Vertical installation, per permitted plan)

Nail Guards (at pipes through studs and plates)

Auxiliary Pan(s) Drain (properly sized and routed)

Temperature/Pressure Relief Drain (properly sized and routed)

### **Domestic Water Distribution System**

Pipe(s) and Fitting(s) Material(s)

Pipe(s) and Fitting(s) Size(s) (at least minimum sizes per code)

Pipe(s) and Fitting(s) Alignment and Support

Joints and Connections (primer, glue other methods consistent w/materials)

Test Pressure (working pressure or 50 PSI)

Air Hammer Arrestor (at quick closing valves such as washing machine, dishwasher)

Horizontal Water Pipe(s) in Attic (above batt insulation level)

Nail Plates (at pipes through studs or plates)

### **Tub(s) and Shower(s)**

#### **Tub**

Tub Set and Secure

Combination Fiberglass Units (fastened to studs)

Scald Guard Valve Installed

Waste and Overflow Installed

Tub Box Sealed

Water Test

### **Shower**

Fiberglass Units (fastened to studs)  
Formed Vinyl Pans (secured, all sides turned up  
2" above finish curb height)  
Scald Guard Valve Installed  
Water Test

## **452 Second Electrical Rough**

### **Service Entrance**

Service Entrance Location  
Conduit or Raceway (material type,size)  
Burial Depth (underground service)  
Service Entrance Conductors (type,size  
per permitted plan and code)  
Grounding Electrode Conductor (type,size,  
continuous,connection)  
Ufer or Acceptable Alternative (such as  
20' #2 copper grounding ring)  
Ground to Metal Cold Water Pipe (where available)  
Ground to Building Structural Steel  
(where available)  
Metal Boxes and Raceways Grounded  
Equipment Grounding Conductor (type,size,  
connections)  
Bushings, Clamps, Studs, Hickeys (compatible with  
materials and equipment, properly installed)

### **Power Branch Circuits**

#### **Dwelling Unit (minimum requirements)**

20 Amp Small Appliance Circuit  
(minimum of 2 per kitchen)  
20 Amp Laundry Circuit  
20 Amp Bathroom Circuit  
Dryer Circuit (minimum conductor 10/3 w/ground)  
Range Circuit (minimum conductor 8/3 w/ground)

#### **AFCI Protected Outlets Required**

All Bedroom Outlets

#### **GFCI Protected Receptacle Outlets Required**

Exterior ( minimum of 2, one at back, one at front)  
Garage (if not obscured by major appliance)  
Accessory Building(s) (such as shed)  
Boathouse  
Crawl Space(s)  
Unfinished Basement  
Bathroom(s)  
Kitchens (where serveing countter top space)  
Wet Bar (within 6' outside edge of sink)  
HVAC Equipment Service Outlet (within 25'  
of outside equipment)

## **Dwelling Unit Receptacle Outlet**

### **Required Locations**

(in every kitchen, family room, dining room., living room, parlor, library, den, sunroom, bedroom, recreation room, or similar room or area)

Spacing (no point horizontally along wall no more than 6' from an receptacle outlet)

Wall Space (2' or more in length)

Hallway (10' in length)

Floor Receptacle Outlets (not counted as part of required number unless within 18" of wall)

### **Counter Tops (kitchen and dining rooms)**

Not more than 20" above counter

Wall Counter Space(s) (counter 12" or wider, no point more than 24" from a receptacle outlet)

Island and Peninsular countertop(s) (at least one receptacle outlet if countertop is at least 12" short dimension and 24" long dimension)

### **Bathrooms**

Within 3' of outside edge of basin (on the wall adjacent to the basin or basin counter top)

### **Dwelling Unit Lighting Outlet Required Locations**

Every Habital 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 (switch controlled at each floor level)

Outside Grade Level Exterior Personell Doors

Attached Garages

Detached Garages (w/electrical power)

Utility Rooms

Closets

Attics (near access opening)

Underfloor spaces

Basements

Spaces Containing Equipment (HVAC,pumps, etc.)

### **Electrical Disconnects**

Water Heater

Air Handler

Condensing Unit

(required if not in sight of and within 50' of panel)

### **Wiring Methods**

Panel/Sub-panel Locations/Working Clearances (prohibited in closets or bathrooms)

Conductors (type, size, per permitted plan and code)

Identify Each System

Multi-wire Branch Circuits (common disconnect)

Conductors of the Same Circuit (including equipment

grounding conductor or bonding conductors)  
Grounded Conductor **White**  
Grounding Conductor **Green or Bare**  
Bored Holes (in wood framing members not less than  
1 1/4 " from nearest edge, or provide nail plate)  
Factory or Field Punched Holes (in metal framing  
members protected by listed bushing or grommets  
prior to installation of conductor)  
Conductor or Raceways Parallel to Framing Members  
(1 1/4" from nearest edge or provide nail plates)  
Protect Conductor at Conduit Ends (#4 and larger)  
Romex Properly Supported  
Romex Secured (within 12" of a box)  
Romex Conectors Required  
Protect Romex Within 6' of Attic Access Opening or  
Attic Storage Areas  
6" Minimum of Free Conductor (at boxes)  
Boxes Setback 1/4" (in non-combustible surfaces)  
Boxes set Flush (in combustible surfaces)  
Boxes Securely Fastened  
Boxes for Ceiling Fans (listed for that use)

#### **400 HVAC Rough**

##### **Exterior of Building**

Exhaust Vent Termination Caps (roof)  
(verify separation from windows,doors, intakes)  
Exhaust Vent Termination Caps (wall)  
(verify separation from windows,doors, intakes)  
Bathroom Exhaust Vent Termination Cap  
(verify separation from windows,doors, intakes,  
not over walkway)  
Dryer Exhaust Vent Termination Cap (dampered  
no screen)  
Range Hood Exhaust Vent Termination Cap  
(verify separation from windows, doors,intakes  
not over walkway)  
Fresh Air Intake Cap (if required per permitted plan  
or code, verify separation from exhaust vent(s))  
A/C Refrigeration Line Set Installed (at condensing  
unit location, suction piping insulated)  
A/C Refrigeration Line Set Chased (sealed against  
moisture intrusion)  
Verify Location of Electrical Connection  
(allow for working clearance at condensing unit)  
Exterior Ducts (material type, size,R-value,proper  
support, at least 6" above grade.  
Crawl Space and Attic Ventilation

##### **Interior of Building**

###### **General**

Air Handler(s) Location (per prmitted plan and  
accessible per code)  
Air Handler Platform

Clearance to Combustibles  
Supply and return Air Plenums (minimum 4" clearance for sealing connections)  
A/C Refrigeration Lines Properly Installed  
A/C Refrigeration Lines Installed in a Chase (chase must be sealed and cannot terminate inside an air plenum)  
A/C Refrigeration Suction Line Insulated  
Condensate Drain Line(s) (routing, insulated in concealed spaces)  
Auxiliary Pan w/Separate Drain and/or Float Switch  
Combustion Air (fired units) (per permitted plan or per code)

### **Air Handlers in Attic**

Trusses Engineered to Support Added Load (per permitted plan, truss package)  
Ceiling Joist to Support Added Load (per permitted plan at 125 PSF)  
Attic Access Opening (large enough to remove equipment, minimum of 22"X36")  
Attic Access Opening Not More Than 6' From the Equipment Service Panel  
24" Wide Passageway From Access Opening to the AHU (unobstructed, solid floor, elevated to allow for required thickness of ceiling insulation)  
30"X30" Working Platform (on service side of equipment, elevated to allow for required ceiling insulation)  
30" Vertical Clearance Above Platform  
Auxiliary Pan w/Separate Drain and Float Switch (for automatic shut down of unit)  
Lighting Outlet Near Equipment Requiring Service (switch at the access opening)  
120 Volt Receptacle Outlet (in the attic within 25' of the equipment)  
Adequate Combustion Air (fired units)  
5' Minimum Vent Termination Height (fired units)

### **Crawl Space Installation**

Access Opening (large enough to remove equipment, minimum 22"X36")  
Access Opening Not More Than 20' From the Equipment Service Panel)  
Level Grade or Working Platform (30" on all sides of equipment for service)  
36" Vertical Clearance Above the Level Grade or Working Platform)  
Lighting Outlet Near Equipment Requiring Service (switch at the access opening)  
120 Volt receptacle Outlet (in the crawl space)

within 25' of the equipment)  
Adequate Combustion Air (fired unit)  
Venting (per manufacture's specifications, per code  
per permitted plan)  
Equipment Above Base Flood or Protected (to  
keep water from entering or accumulating within  
equipment, appliance,ducts or plenum)

### **Supply, Return and Exhaust Duct System(s)**

Duct Layout (per permitted plan)  
Verify Duct Material(s) ( type, R-Value per  
permitted plan, per code)  
Verify Size(s) (supply and/or return duct(s),  
duct boot(s),sealing material,per permitted plan,  
per code)  
Verify Support of Duct (per permitted plan, per code,  
without air restrictions)  
Proper Mechanical Connections, Mechanical Fasteners,  
Sealing Material(plenums,distribution boxes,supply/return  
boots,duct joints/seams,per permitted plan,per code)  
Verify Smoke Detector in Duct (interlocked for  
auto. shut-down of AHU (2000+ cfm), **EXCEPTION:**  
**1 & 2 Family Dwellings)**  
Balance of Return Air (via return duct(s) and/or transfer  
air grilles)  
Fresh Air Intake (where required per code,per  
permitted plan)

### **Exhaust Systems**

Bathroom Exhaust Fan (vented to the exterior)  
At Least Minimum CFM (perpermitted plan,per code)  
**FYI: Not required in bathroom(s) w/window(s)**  
**w/at least 3 sq. ft. of openable area)**

Domestic Clothes Dryer  
Material (smooth interior,4" minimum diameter,  
w/dampered termination cap w/no screen)  
Properly Supported  
Overlap Joints(in direction of air flow)  
No Screw Penetrations or Obstructions (inside duct)  
Maximum Developed Length 25' (minus 5' for 90's and  
2 1/2' for 45's) (lengths over 25' per manufacture's  
specification or engineered system per permitted plan)  
Transition Ducts (single piece,maximum length 8'  
listed/labeled for use,not concealed in construction)  
Provide Nail Guards for Ducts (at plates and studs)

**Commercial Dryer Vents** (per permitted plan and/or  
per code)

### **Domestic Range Hood Exhaust**

Domestic Range Hood Exhaust Ducts and Domestic  
Down Draft Ducts(discharge outside,galvanized or

stainless steel or copper,smooth interior,air tight,  
w/backdraft damper)

### **Commercial Grease Hoods and Exhaust Ducts**

Design and Installation(per permitted plan,per code)

### **Factory Built Solid Fuel Burning or Gas Fired Appliance Exhaust Vent(s) or Chimney(s)**

Stoves (per manufactures specifications)

Fireplaces (per manufactures specifications)

Vent (connections, clearance from cumbustibles,  
termination height)

Draft Stopping or Fire Stopping (flue chase)

Proper Materials for Fireplace Hearth

Proper size of Fireplace Hearth (per manufactures  
specification, permitted plan or code)

Adequate Combustion Air

Adequate Ventilation

Verify That All Flues and Vents Through Walls and  
Roof(s) (have minimum height, termination caps,  
and weatherproof seal or flashing)

### **650 Gas Rough**

Exterior Piping

Location of Pipe through Exterior Wall

Electrical Bonding of Gas Piping System

Underground Piping (minimum 18" below grade)

Piping Not allowed in Concrete (without approval)

Pressure Test Guage (no less than 10 PSI)

Interior Piping

Piping Material (type and size, per perrmitted plan)

Proper Pipe Support

Nail Protection (as required)

Pressure Test Guage (no less than 10 PSI)

### **Combustion Air/Ventilation**

Adequate Combustion Air (in all rooms w/gas fired  
appliances)

Adequate Ventilation (rooms w/gas fired appliances)

### **Flue(s)/Vents**

Size and Type of Materials(per permitted plan,per code)

Prop[erly Installed, Sealed and Supported (per  
manufactures specifications,per permitted plan,  
per code)

Mechanical Connections (attachment to appliance,joints)

Clearance From Combustibles

Single Wall Vent (exposed area ONLY)

Double Wall (type B,BW in atttics or other concealed  
spaces)

Locations Vent Connectors  
Size and type of Connectors  
Vertical to Horizontal Run Ratio  
Flue Damper Stops on Gas Fireplaces (per  
manufacture's specifications)

### **Insulation**

Exterior of Building  
Roof Covering Complete and Weather-tight  
All Windows and Doors Installed (all other opening  
in exterior walls sealed)  
Verify Type glass in Windows and Doors (per permitted  
plan, per energy calculations)  
R-Value of Insulation Over Crawl Spaces (per permitted  
plan and energy calculations)  
Support of Insulation Over Crawl Spaces

Interior of Building  
R-Value and Installation of Insulation Material  
(per permitted plan and energy calculations)  
All Joints, Cracks and Holes (sealed against air  
infiltration, including along the bottom plate of framing)  
All void Insulated (inside window arches, behind tubs  
and showers, etc.)  
Vapor Barriers (where required, per permitted  
plan, per code)  
All Platforms, Ducts, Pipes and Wire in Attic  
(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' (visible from attic access opening)  
Batt Insulation (where vertical clearance don't allow  
for blown insulation, such as corners of hipped roofs)  
Proper Sized Attic Access Opening

### **Building Final**

Verify Proper address Posted (size, location)  
Final Survey (w/ finish floor elevation and flood zone)  
Proof of Final Termite Treatment  
Energy Compliance Placard Posted (on water  
heater or electrical panel)  
Verify that exterior is Complete (protective finishes  
against weather, insects, odents)  
Wood Siding and/or Foam Products (6" above grade)  
Roof Covering and Flashings (properly installed)  
Site Sloped to Facilitate Drainage (away from structure)  
Garage Door Installed (per permitted plan, w/wind  
pressure rating labels)  
All Stairs, Landings, Handrails, Guardrails (per  
permitted plan and per code)

*This is a working document which is not intended to be all inclusive and is subject to change.*

Condensate Lines and Down Spouts (diverted at least 1' away from foundation)  
Installation of Skirting (where required)

### **Water Service**

Separation from Sewer Service  
Properly Sized (per permitted plan, per code, 3/4" minimum)  
Approved Piping Material  
12" Minimum burial depth  
Main shut Off Valve Installed (valve box provided)

### **Sewer Service**

Separation From Water Service  
Approved Piping Material  
Proper Pipe Size (per permitted plan, fixture count)  
Cleanout (minimum 18" from building)  
Proper Fall and Bedding  
Static Pressure Test  
Connection to Utility Tap (connector type, size)

### **208 Plumbing Final**

Main Shut Off valve (valve box provided)  
Back Flow Prevention at Hose Bibbs  
Exposed, Exterior Piping Insulated  
Thermal Expansion Device Installed  
Cold Water Shut Off Valve at Water Heater  
Temperature/Pressure relief Valve (properly installed and routed for drainage)  
Auxiliary Pan and Drain  
Gas Fire Water Heater (18" minimum above floor to pilot light and/or burner if installed in garage or storage closet)  
Stops and Traps Installed (as required, with no apparent leaks at connections)  
Securely Fastened Metal Collars (where pipes pass through walls, floors or ceilings)  
Hot and Cold Water Indicators (hot on left, cold on right, NOT REVERSED)  
Fixtures in Working Order (free of apparent defects of leaks)  
Icemaker and Washer Boxes Trim  
Air Gap (dishwasher and washing machine drain)

### **Electrical Final**

Overhead Service (weather-head height, riser size, riser support, meter enclosure securely attached, grounding electrode conductor properly sized and properly connected to utility 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, meter enclosure securely attached, grounding conductor properly sized and connected to ufer ground or acceptable alternative grounding system)  
Service Entrance Conductors (type,size)  
3-Phase (installed ABC,high leg center, marked orange)  
Grounding Electrode Conductor(sized and connected per permitted plan and/or code)  
Equipment Grounding Conductor (sized and connected per permitted plan and/or code)  
Bonding Jumpers (sized and connected per code)  
Main Service disconnect (size, securely attached) (no more than 6 disconnects grouped w/o a main disconnect)  
Shunt Trips and/or Surge Arrestors (where required, properly installed and securely attached)  
Over current Devices (sized for circuits and conductors)  
Circuits Identified and Labeled  
Conduit Fill and Conductor Protection  
Termination of Conductors (lugs clamps and/or connector tight) FYI: TERMINALS FOR MORE THAN ONE CONDUCTOR AND TERMINALS USED TO CONNECT ALUMINUM *SHALL* BE SO IDENTIFIED)  
Panels, Sub-panels and Disconnects  
Required Working Clearances  
Verify Conduit Fill and conductor Protection  
All Enclosures, Feeder Conductors Circuit Conductors  
Over Current Protection Devices( size, type, identified, labeled, properly terminated, grounded and bonded w/lugs and connectors tight) FYI: Back fed breakers shall be *shall* be secured by an additional fastener, that requires more than a pull to release the device.  
All Unused Openings Blanked Off (panel,enclosure)  
All Junction Boxes Accessible  
All Junction Boxes Covered  
Flex Conduit (strapped 12" from disconnect)  
Disconnects (W/H, AHU,C/U, other equipment as required per permitted plan or code) FYI: Not require if equipment served is within sight of and within 50' of panel where circuit originates.  
Disconnects (installed so that up is "on")  
Motors and Controllers

Receptacle Outlets  
Working Condition (w/no apparent defects, or damage)  
No Open Grounds or Reversed Polarity  
Spacing (along walls, counter tops, in bathrooms)  
GFCI and AFCI Protection (where required)  
Receptacle Outlets in Wet Location (can be covered while in use)

Lighting  
Working Condition (w/no apparent damage or defects)

## Support

Location(s) (where required per code/or switch controlled receptacle,per permitted plan)

Switches (installed so that up is "on")

In Closets (type, spacing from shelf storage area, FYI: No incandescent fixture w/partially enclosed or exposed bulbs,no pendent 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 for wet or damp location)

Smoke Detectors Locations (on 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)

Photoelectric Type SD or Silienccing Capability SD (within 20' of cooking appliance)

All Smoke detectors(hardwired w/battery back-up)

All Smoke Detectors (inter-connected)

## 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)

Minmum 6' 8" (above walking surfaces)

## **410 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 above grade)

Condensate Drains (correctly installed and trapped)

Metal Thermal Collars (at duct connections within 6" of heat strips)

Data Plate on Equipment (model number, BTU rating, circuit ampacity,over current protection device)

Equipment Electrical Service(location, installation, protection of conductors, over current protection device)

Gas Service (clearance for meter, 18" minimum burial depth,electrically bonded,shut-off valves,wall penetration)

sealed)

Flue Vents or Chimneys (locations, heights, termination caps, flashings)

#### Interior of Building

Air Handler in an Accessible Location (access opening, working clearance, clearance from combustibles)

Equipment Adequately Supported

Auxiliary Pan W/Drain and/or Float Switch

Connection and Sealing of Duct Work to Equipment

Sealing of Duct Penetrations (through walls and/or ceilings if in a conditioned space)

Support and Connection (refrigeration lines, gas lines, Data Plate on Equipment (Model number, BTU rating, minimum circuit ampacity, size of over current protection device)

Electrical Disconnect (location, installation)

Electrical Circuit Conductors (size, installation, protection)

Electrical Circuit Over Current Protection Device (size)

Energy Performance Level Placard (completely filled out, signed by the licensed builder, posted on the AHU)

Florida HVAC Efficiency Placard (completely filled out, signed by the HVAC contractor, posted on the AHU **OR**

Federal Trade Commission Label on each piece of the HVAC equipment)

BTU Rating of Air Handler and Condensing Unit Match (on split Systems)

A/C Chase Openings Sealed

#### Air Handlers in Attics

Trusses Engineered to Support Equipment (per permitted plan, truss package)

Attic Access Opening (large enough to remove equipment, no less than 22" X 36", not more than 6' from equipment)

Passageway to Equipment (minimum 24" wide, unobstructed, solid flooring, elevated above insulation)

Working Platform (30" X 30" w/30" vertical clearance, on the service side of the equipment)

Unit Clearance From Combustibles

Condensate (installed, insulated)

Auxiliary Pan (w/ separate drain and float switch)

Notice (to owner) of Attic Installation (posted on electrical panel)

Proper Support and Connection (refrigeration lines, gas pipe, electrical supply)

Lighting Outlet (at or near service panel)

Electrical Receptacle Outlet (in attic, within 25' of equipment)

Minimum 5' Height Vent Termination (fired unit)

Combustion Air (fired unit)

#### Air Handlers In Crawl Spaces

Access Opening (larger enough to remove equipment, no less than 22" X 36", not more than 20' from equipment)

Level Grade or Working Platform (30" on all sides of equipment w/36" minimum vertical clearance)

Unit Clearance From Combustibles

Unit Clearance From Ground (at least above flood)

Unit Support

Condensate Drain (installed,insulated)

Proper Support and Connection (refrigeration lines, gas line,electrical supply)

Lighting Outlet (at or near service panel)

Electrical Receptacle Outlet (in crawl space, GFCI protected,within 25' of equipment)

Flue Vent Installation (support, connection, joints)

Combustion Air (fired unit)

Ventilation (unobstructed)

#### Bathroom Exhaust Fan/Vent

Dryer Vent Inlet

Range Hood Vent

Ceiling Fan Height (6' 8" minimum)

Grilles (supply,return,transfer air,sized per permitted plan,per code)

Balanced Return Air (from all rooms, EXCEPT:bathrooms, laundry rooms, small closets)

#### Factory Built Fireplaces

Hearth (size,clearance from combustibles)

Combustion Air

Chimney Termination Height

#### Gas Fired Appliances

Location(s) of Gas Fired Appliances and/or Stubouts (per permitted plan)

Clearance From Combustibles

Protection From Physical Damage (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 (hard caps on all stub outs)  
combustiion Air (adequate supply in every room w/gas fired appliances)

Regulator Location (high pressure system)

Appliances High Pressure System (verify that all appliances are approved for high pressure use)

#### Flue Vents

Material (size,type)

Properly Installed and Supported

Mechanical Connection (at appliance,joints)

Clearance From Combustibles (FYI: Single wall in exposed areas only and 6" minimum clearance from combustibles) (double wall Type B and BW in attics, concealed spaces, clearance (manufacture's specifications)

Common Vent (multiple appliances interconnected)

Material (size,type)

Location (connections,connectors)

Vertical Height to Horizontal Run Ratio

Flue Damper Stops (gas log fireplaces)