



CARROLLTON
TEXAS

DEVELOPMENT SERVICES
Building Inspection

RESIDENTIAL
Inspection Checklists

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**BUILDING INSPECTION
DEVELOPMENT SERVICES**

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Required Inspections by Permit Type

ELECTRICAL

- 1011 – Temporary Electrical Pole/SWPPP
- 3064 – Electrical Rough/Energy
- 4062 – Electrical/Energy Final

FENCE

- 1090 – Fence

LAWN SPRINKLER

- 1024 – Lawn Sprinkler

MECHANICAL

- 3063 – HVAC Rough/Energy
- 4004 – HVAC/Energy Final

PLUMBING

- 1021 – Sewer
- 1022 – Water Service
- 2020 – Plumbing Rough/Energy
- 3065 – Plumbing Top Out/Gas Test/Energy
- 4005 – Utility Release/Plumbing/Energy Final

POOLS

- 1012 – Pool Electrical Bond
- 1029 – Pool P-Trap
- 4042 – Pool Work Final

RETAINING WALL

- 1041 - Retaining Wall

SINGLE FAMILY DWELLING

- 1028 – Water Meter Pre-Install R.O.W.
 - 2020 – Plumbing Rough/Energy
 - 1901 – Residential Pre-Pour
 - 2001 – Foundation
 - 3063 – HVAC Rough/Energy
 - 3064 – Electrical Rough/Energy
 - 3065 – Plumbing Top Out/Gas Test/Energy
 - 3066 – Building Framing/Energy
 - 3067 – Insulation
 - 3068 – Energy Compliance Certificate
 - 4004 – HVAC/Energy Final
 - 4005 – Utility Release/Plumbing/ Energy Final
 - 4062 – Electrical/Energy Final
 - 3068 – Energy Compliance Certificate
 - 4063 – Building/Energy Final
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Reference of Abbreviations

The following is a reference list of some abbreviations/symbols used in this handbook of inspection checklists. Abbreviations are to be read as singular/plural in context with material. Any reference to a code or ordinance is to be interpreted as the latest version available of that code or ordinance. Periods have been eliminated in abbreviations for ease in reading.

A/C.....	Air conditioning
Art	Article
CFC	Carrollton Fire Code
cfm	Cubic feet per minute
Ch	Chapter
CoC.....	City of Carrollton
CSC	Carrollton Sign Code
CZO.....	Comprehensive Zoning Ordinance
Dwg	Drawing
GDS.....	General Design Standards
HB.....	House bill
IBC	International Building Code
IECC	International Energy Conservation Code
IFC.....	International Fire Code
IFGC.....	International Fuel Gas Code
IMC.....	International Mechanical Code
IPC	International Plumbing Code
Mfg.....	Manufacturing
NCTCOG/ COG.....	North Central Texas Council of Governments
NEC.....	National Electrical Code
NFPA.....	National Fire Protection Association
Ord	Ordinance
p	Page
pp	Pages
psi.....	Pounds per square inch
Sec.....	Section
Specs	Specifications
Std	Standard
Subdv.....	Subdivision
Tbl.....	Table
TIM	City of Carrollton Technical Interpretation Manual

Temporary Electrical Pole/SWPPP Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Panel grounded and bonded	2014 NEC	250.28 250.52&53
Breaker/outlet requirements-sizing for outlets used	2014 NEC	210.19
Wire sizes and insulation	2014 NEC	310.15(B)(16)
No open holes/to remain water tight	2014 NEC	314.17
Unused breaker openings filled	2014 NEC	408.7
Clearances: 18' above traffic for overhead drop Distance from public property –R.O.W	2014 NEC	225.18
Raceway used and installed	2014 NEC	230.50 230.54
Weather resistant receptacles 115-250 volt	2014 NEC	406.9
GFCI Protection in use covers for exposed outlets	2014 NEC	406.3
Address	2015 IRC	R319
Bracing: 45 degrees to support pole	Oncor service guidelines	600

SWPPP Inspection Checklist

- A. Erosion controls are to be in place at the temporary electric pole inspection.
- B. Erosion control fencing or soil stabilization fabric must be installed in an approved manner and maintained throughout the construction project until the Utility Release/Plumbing/ HVAC final inspections.
- C. Large piles of dirt are required to be protected with erosion control fencing, **NOT** soil stabilization fabric.
- D. Erosion control protection should be proactively maintained at least once a week.
- E. Storm water inlet protection
- F. 50 feet rock entryway on commercial projects.

Pool Electrical Bond Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Grounding with minimum #8 ground wire around deck with ground clamps and all metal within 5'	2014 NEC	680.26
Grounding of copper conduit for pool lights/fixtures	2014 NEC	680.23
Position of plugs in relation to pool sides	2014 NEC	680.22
Low voltage lighting/transformer ground run to equipment ground to panel	2014 NEC	680.24

Sewer Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Pipe materials	2015 IRC TIM for SDR 17 Trenchless pipe	P3002 702
Pipe sizes	2015 IRC	P3004
Grade of pipe	2015 IRC	P3005
Pipe joints	2015 IRC	P3003
Cleanouts	2015 IRC	P3005.2
Trench and backfill	2015 IRC	P2604
Testing	2015 IRC	P2503

Water Service Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Pipe materials NTCOG Amendment (no polybutylene pipe allowed)	2015 IRC	P2903
Pipe sizes	2015 IRC	P2903
Pressure test	2015 IRC	P2503
Trench and backfill	2015 IRC	P2604
Shutoff valves	2015 IRC	P2903.9
Backflow protection	2015 IRC	P2902
Testing	2015 IRC	P2503.7

Lawn Sprinkler Irrigation Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Check city approved plans are to be on site	HB 1656	
Approved back flow prevention device required with y strainer installed before device. Full port ball type isolation valve between meter and back flow device. Test cocks on B/F device are to be plugged with threaded plugs. Installed min. 3 ft. from water service on customer side of property line	HB 1656	
Master valve (if required) installed on discharge side of B/F device (full port ball type valve)	HB 1656	
Check location of controllers and sensors (rain/freeze) each controller must be labeled with installers name and company name, license number, telephone number and warranty period	HB 1656	
Check location and of water emission devices, valves (zone, master, and isolation)	HB 1656	
Check all underground wiring for UL burial rating and sizing to manufacturers specifications, all wire splices must be moisture proof. All wiring is buried min. 6 inches	HB 1656	
Check PVC piping for sizing, rating, installation and depth (min. 6 inches)	HB 1656	
Pop up water emission devices must be installed a min. 4 inches from hardscape and direct flow away	HB 1656	

NOTE: Double check backflow prevention permitted in ground if protected by a box.

Water Meter Pre- Install Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
1" meter loop furnished by contractor. Top of meter to be not less than 9" or more than 12" below top of meter can. Meter can set on loop. Bass & Hayes P 34P 14 D can	GDS	W 7 - 1 of 1 pp 4-9
1 ½" and larger meters curb stop 22" - 26" below top of curb	GDS	W 7-1
No right angle curb stops	GDS	W 7-1
3' circumference around curb stop	GDS	W 7-1
Meter not in paving area	GDS	4-5
Correct meter can next to installation Bass & Hayes P548P 18D can	GDS	pp 4-9

Pool P-Trap Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
P-Trap for pools/spas with air break	2015 IPC TIM	802
1 ½" minimum backwash/drain pipe	TIM	

Retaining Wall Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Retaining walls which do not require a permit are not inspected. If under 4 feet from the bottom of footing to the top	2015 IRC	R105.2
Inspect based on engineered approved plans for retaining walls requiring permit	2015 IBC	1610.1

Sidewalks and Approach Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Sand cushion for leveling only 1" (sidewalks only)	GDS	P-17
Concrete thickness: Sidewalks/driveways	GDS	P-16, P-17
Location of sidewalk with respect to street and other existing sidewalk	GDS	P-17
Width of sidewalk is 4' or 5'	GDS	P-17
Tooling joints spacing	GDS	P-17
Construction joint requirements	GDS	P-11, P-16 P-17
Expansion joint spacing (no tear off strips allowed in the sidewalks)	GDS	P-12, P-17
Expansion joint materials	GDS	P-16, P-17
Five foot flare instead of radius and curb omission for approaches attached to alleys	GDS	P-16
Reinforcing steel	GDS	P-11, P-16 P-17
Storm drain inlet and separation from approach	GDS	D-1
Location of driveway from intersection <ul style="list-style-type: none"> • 30' Residential or Alley • 40' Collector / Industrial • 50' Residential Arterial 	Driveway Ord	Ord 1604 as amended
Bollards for thin brick wall required? Note on this inspection if needed.	GDS	M-4

Fence Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Proper setback from drainage easements	CZO	XXV 11-12 A-D
Proper height restriction for front yards or certain corner lots (key lots) 3' front yards, 4' key lots	CZO	XXVI-A
Proper requirements for pool enclosure	2015 IRC COG	Appendix Q
Gates across driveways as a pool enclosure	TIM	
Zero lot lines (check CZO)	CZO	Article VII Pages 88-90
Gates across driveways (electric)	TIM	
If electric need inspection / burial depth and conduits secured / gfcı needed ?	2014 NEC	300.5
Gates across driveways (manual)	TIM	
Proper location for visibility from streets & alleys	Visibility Ord.	Ord. 1325 as amended
No metal, barbed wire, or electric fencing permitted. Exception: Wrought iron is allowed	CZO Ord. 2803	Article XXV Sec 11 Sec 92-10

Residential Pre-Pour Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Structural and piping protection	2015 IRC	P2603
Insulation of hot water piping	2015 IECC	R403.4 R403.5
Concrete encased grounding electrode	2014 NEC	250.52

Foundation Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Inspect based on engineered plans: <ul style="list-style-type: none"> - Reinforcement size and spacing - Reinforcement supports (chairs) - Concrete thickness - Beam spacings and depth/width - Debris and mud and water on slab and beams Read permit for special notes such as minimum finished floor elevations	2015 IRC	R109.1
Wrap copper water lines	2015 IRC	P2603
Provide protection for any horizontal plumbing pipe embedded in concrete along the length of the beams	2015 IRC TIM	P2603.2.1
Driveway not allowed to street if alley exists	CSO	Article X
Garage not allowed to face streets—certain exceptions may be applicable	Ord.	2402
Driveway separation from intersections	Driveway Ord	Ord 1604 as amended
Has the lot grade been drastically changed by cuts, fill, or other obstruction which may alter subdivision drainage patterns from what was accepted by Carrollton Engineering Department?	Drainage Ord	Ord 1604 as amended
Concrete encased electrode	2014 NEC	250

NOTE: Effective May 1, 2003, all foundation inspections must have an engineer's inspection letter of approval.

Plumbing Rough/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Check for setback survey	CZO	Use Districts
Drainage piping materials	2015 IRC	P3002
Drainage pipe installation	2015 IRC	P3005.1
Drainage pipe joints	2015 IRC	P3003
Drainage pipe slope	2015 IRC	P3005.3
Drainage system sizing	2015 IRC	P3005.4
Drainage prohibited items	2015 IRC	P3003.2 P3005.2.11
Drainage system clean outs	2015 IRC	P3005.2
Fixtures stack vented	2015 IRC	P3102
P-trap installation requirements	2015 IRC	P3201
P-trap sizing	2015 IRC	P3201.7
Water distribution	2015 IRC	P2903.6
Water manifold sizing	2015 IRC	P2903.8.1
2 hose bibs required on SFD (front/side and rear) 1 required on town houses and condo's (rear)	TIM	
Water piping materials Polybutylene pipe not allowed (COG amendments)	2015 IRC	P2906
Trenching, excavation, and backfill	2015 IRC	P2604
Back flow prevention	2015 IRC	P2902
Cut-off valves	2015 IRC	P2903.9
Testing and inspection	2015 IRC	P2503
Gas pipe sizing	2015 IRC	G2413&17
Gas pipe labeling	2015 IRC	G2415.5

Plumbing Rough/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Gas pipe materials	2015 IRC	G2414
Gas pipe system installation & testing COG amendments	2015 IRC	G2415 G2417
Gas tracer wire	2015 IFGC	404.17.3
Protection of piping	2015 IRC	G2415.11
Insulate hot water lines	2015 IECC	R403.5.3
Gas pipe bonding	2015 IRC	G2411

Gas Rough and Test Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Pipe materials	2015 IRC 2015 IFGC	G2414 403
Pipe sizes	2015 IRC 2015 IFGC	G2413 402
Pressure test (gas) COG Amendment	2015 IRC 2015 IFGC	G2417 404.20
Connections/joints	2015 IRC 2015 IFGC	G2414 Ch. 4
Tracer wire for non-metallic piping	2015 IRC 2015 IFGC	G2415.17.3 404.17.3
Pipe depth	2015 IRC COG 2015 Amendment	G2415.15
Gas risers	2015 IRC 2015 IFGC	G2414.6.1 403.6.1
Gas pipes not to be bent or strained	2015 IRC 2015 IFGC	G2416 405
Separate ditch for gas piping	TIM	
Protection from corrosion	2015 IRC 2015 IFGC	G2415.11 404.11
Drips/sediment traps	2015 IFGC	408

Pre Brick Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Sheathing will be free of all holes	2015 IRC	R703
No framing shall be visible	2015 IRC	R703
The roofing process has been completed	TIM	
Exterior openings exposed to weather shall be flashed	2015 IRC	R703
Exterior veneer shall not be attached to wood frame construction at or point more than 30' in height	2015 IRC	Table R703.7
When wall ties are installed: ties shall be spaced to support not more than 2.67 sq. ft. of wall; wall ties shall not be more than 24" on centers horizontally & vertically	2015 IRC	R703.8
When anchored veneer is applied over 2x4" stud construction, stud spacing shall not exceed 16"	TIM	
When anchored veneer is applied over 2x6" stud construction, stud spacing shall not exceed 24"	TIM	
Flashing and counter flashing	2015 IRC TIM - Brick Supported by Wood	R703
Veneer height and support limitations 30' max height to footing rafter size per 2015 IRC, then doubled	2015 IRC TIM - Brick Supported by Wood	703.7

Pre Brick Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

Brick on wood rafters 3 – 2x8"	2015 IRC TIM - Brick Supported by Wood	R703
Wind sheer Scab 2x4" on side of each stud	2015 IRC TIM - Brick Supported by Wood	R703
Wall bracing	2015 IRC	R602.10 Table R602.10.9
Water resistance barrier Exterior wall envelope	2015 IRC	R703.2
Seal exterior wall envelope	2015 IECC	402.4

***NOTE:**

- Lintel installation occurs after the pre-brick inspection and is the responsibility of the contractors.
- Lintel = the horizontal beam forming the upper member of a door or window frame supporting part of the structure above it.

Moisture Barrier Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Water resistive barrier on exterior wall envelope	2015 IRC	R703.1.1
Brick ties installed per code and Tech Policy 16" on 2x4 studs and 24" on 2x6 studs	2015 IRC TIM	R703.8
Exterior openings flashed	2015 IRC	R703
Flashing and counter flashing	2015 IRC TIM	R703.7
Seal exterior envelope	2015 IECC	402.4

- This inspection is not a pre-brick inspection.
- This inspection is intended to be used in case the moisture barrier is not in place at the 3067 insulation inspection.

HVAC Rough/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

Combustion air	2015 IRC	M1701
Ducts (HVAC)	2015 IRC	M1601
Duct insulation	2015 IRC 2015 IECC	M1601.3 R403
Refrigerant piping insulation	2015 IECC COG	R403
Plenums: Sealed & secure	2015 IECC	R402
HVAC equipment: access and service space	2015 IRC	M1305.1
Condensation	2015 IRC	M1411
Return air	2015 IRC	M1602
Exhaust fans: vent termination	2015 IRC	M1507
Clothes dryer duct	2015 IRC	M1502
Chimney & vents	2015 IRC	Chapter 10 M1805
Specific appliances (fireplace and fuel burning equipment)	2015 IRC	M1901
Water heaters	2015 IRC	M2005

Electrical Rough/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Required outlet spacing /location	2015 IRC	E3901
Required outlets/switches –circuits Kitchen counter top spacing	2015 IRC	E3901
Protection of wires run through framing/studs	2015 IRC	E3610
Support of NM cables (staples)	2014 NEC	314.23 334
NM cable in wet locations /kitchen islands (not allowed)	2015 IRC	E3907
Grouping/bundling of cables (no more than 4- #12 & #14)	2015 IRC	Ch. 37
Damaged, pinched or torn cables	2015 IRC	E3404.10
Sealing penetrations top plates and fire blocking	2015 IRC	Ch. 3
Recessed lighting fixtures –clearances /energy	2014 NEC	410
Bonding of metal boxes /ground pigtails/grounding	2015 IRC	E3609
Ceiling fan rated boxes	2014 NEC	314.27
Smoke/fire alarm locations	2015 IRC	R314

Electrical Rough/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Attic space requirements: switches, service outlet, a/c disconnect & exhaust fan controls	2014 NEC	210.70 210.63 320.23
Jacuzzi tub requirements: circuits, GFCI & bonding	2015 IRC	E3902
Conductor fill for boxes/number or cables in box	2014 NEC	314.16
Panel service conductor size	2015 IRC	E3706
Neutral identification (white tape)	2015 IRC	E3407
One neutral per termination point on bar/buss Grounds may be doubled	2014 NEC	408.41
Sub-panel isolation/no bond at to neutral at sub-panel	2014 NEC	250.24
Coverage of panel during construction	2014 NEC	110.12
Bonding/grounding: all metal enclosures/cold water bonding	2015 IRC	E3607
Concrete encased electrode/other electrodes/access	2015 IRC	E3608
Panel identification/markings—phases/amps/voltage	2015 IRC	E3706
Panel maximum 42 circuits	2014 NEC	408.54

Plumbing Top Out/Gas Test/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Plumbing vent termination with respect to openings	2015 IRC	P3103
Water heater vent location	2015 IFGC	503
Gas pipe sizing and tests. CSST must be supported every 4 ft. and a min. of 12" clearance from roof deck unless installed in a flexible metal sleeve must be bonded from manifold to breaker panel with min. # 6 wire or equivalent. Tested 10 lbs. on 20 lb. 3 1/2" diaphragm test gauge and 3 lbs. on a 6 lb. 3 1/2 diaphragm test gauge on low side with current calibration sticker. Gas pipe bonding to electrical system	2015 IRC TIM	G2413&17
Ventilation	2015 IRC	M1507
Protection of piping (freeze or damage)	2015 IRC	P2603
Fixture drainage lines	2015 IRC	P3005
Tests and inspection (sanitary drainage and potable water)	2015 IRC	P2503
Required Hose bibs (2 on SFD front & rear) 1 on Town homes and Condo's	TIM	
Showers (material, installation and testing)	2015 IRC	Ch. 27 P2503.6
Island fixture venting	2015 IRC	P3112
Vent connection and grades	2015 IRC	P3104
Stack venting	2015 IRC	P3102
Wet venting limitations	2015 IRC	P3108
Trap arm and p-trap	2015 IRC	Ch. 32
Prohibited traps	2015 IRC	P3201.5
Clothes washer trap and tail piece height requirement	2015 IRC	Table 3201.7 P2706
Piping support	2015 IRC	P2605

Plumbing Top Out/HVAC Rough/Gas Test/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
	TIM for CSST	
Water heaters: Regulations and installation	2015 IRC TIM	P2801
Insulate hot water lines	2015 IECC	R403.5.3
Above ceiling pan and drain for water heater	2015 IRC	P2801

Building/Framing/Energy Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Wall heights/stud heights	2015 IRC	Ch. 6
Safety glazing	2015 IRC	R308
Wind bracing	2015 IRC	R602
Struts and purlins	2015 IRC	R802.5.1
Brick supported by wood members	2015 IRC	R703.8
Cutting, notching and boring	2015 IRC	R502.8 R602.6
Floor joist bearing	2015 IRC	R502
Bathroom and laundry room ventilation	2015 IRC	R303.3
Attic ventilation (This only for a reminder at this stage. Shall not cause inspection disapproval.)	2015 IRC	R806
Rafter, joist, header construction	2015 IRC	R802.3 R502.4 R602.7 R804.3
New additions or remodel, smoke detector requirements/wiring Carbon monoxide alarms	2015 IRC	R314 R315
Bottom plates anchor - bolts or shot	2015 IRC	R403.1.6
Perimeter bottom plates – treated	2015 IRC	R317
Fire blocking - holes and openings in top plates	2015 IRC	R602.8

Building/Framing/Energy Inspection Checklist

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CODE ITEM	CODE	SECTION
Draft stop	2015 IRC	R502.12
Stairs: run, rise, width	2015 IRC	R311
Fireplace lintel support	2015 IRC	R1003
Windows/skylights–U-Factor, SHGC	2015 IECC	R402
Proper lumber grade stamps	2015 IRC	R802.1.5.4
Roof and ceiling framing	2015 IRC	R802
Exterior wood protection/sheathing	2015 IRC	R703
Framing at skylights	2015 IRC	R802.9
Line up of floor and ceiling joists to studs	2015 IRC	R602.3.3
Size & location of emergency bedroom windows	2015 IRC	R310.1
Driveway not allowed to street if alley exists	CZO	Ord 1604 as amended
Nailing patterns on exterior sheathing	2015 IRC	R 602
No green board allowed in bathroom shower/tub areas	2015 IRC	R702.3. 7

Insulation Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Insulation – walls, ceilings, floors	2015 IECC	R402
COG Amendments	2015 IRC	1102.1
Water resistance barrier on exterior wall envelope	2015 IECC	R402

Energy Compliance Certificate Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
Building thermal envelope leakage testing verification	2015 IECC	R402.4.1.2
Duct leakage testing verification	2015 IECC	R403.3.4

HVAC/Energy Final Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

Furnace AFUE rating (seasonal)	2015 IECC	Tbl.503.2
Seal firebox where penetrated by gas log lighter		Mfg Specs
A/C pad	2015 IRC	M1401
Catwalk and working space for attic units	2015 IRC	M1305.1
Appliance venting (if installed) *Vent-A-Hood not included	2015 IRC	M1801
A/C overcurrent protection to manufacturers specs	2014 NEC	440.22
Controls / Temperature	2015 IECC	R403.1
Clearance from combustibles	2015 IRC	M1306.1

Utility Release/Plumbing/Energy Final Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
All plumbing fixtures in place, connected and water on	2015 IRC	P2503
No leaks in fixture drains	2015 IRC	P2503.5.2
Gas shut-off valves and connectors	2015 IRC	G2420
Water heater temperature and pressure relief valve	2015 IRC	P2804
Water heater clearance (if installed)	2015 IRC	M2005
Service water heating	2015 IECC	R403.4
Valve box at house	2015 IRC	P2903.9.1
Vacuum breakers/frost proof hose bibbs	2015 IRC	P2903.8.5 P2903.10
Seal firebox where penetrated by gas log lighter		Mfg Specs
Electrical safely capped (or fixture installed)	2014 NEC	410.8
Electric panel–feeder size	2014 NEC	310.15
Grounding electrode system	2015 IRC	E3608
City clean out	GDS	S11
Water meter can	GDS	W-7
Clearance from combustibles	2015 IRC	M1306.1
Bollards behind driveways for subdivision screening walls	GDS	M-4

Pool Work Final Inspection Checklist

This checklist is not to be construed as all-inclusive; it is only to be used as a guideline.

CODE ITEM	CODE	SECTION
P-Trap	2015 IPC TIM	802
GFCI for pool lights	2014 NEC	680
GFCI location & testing	2014 NEC	680
Grounding terminations	2014 NEC	680
Fence enclosure, gates and latches	2015 IRC COG	Appendix Q
Backflow protection	2015 IPC	608
Backwash/drain pipe	TIM	
Any gas line related items Lo pressure 3 lbs on 6 lb visibly certifiable diaphragm gauge High or med. 60 lbs on 100 lb visibly certifiable diaphragm gauge	2015 IRC 2015 IFGC	G2417 Sec. 406
Pool heaters ON-OFF switch	2015 IECC	R403
Pool cover for heated pools	2015 IECC	R403
Pool time clocks setting	2015 IECC	R403
Drainage	CZO 2015 IRC	Ord. 1964 R401.3
Entrapment protection/svrs system in place	2015 IRC COG	Appendix Q

Electrical/Energy Final Inspection Checklist

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CODE ITEM	CODE	SECTION
Covers, outlets, and fixtures installed	2014 NEC	314.25
Tamper resistant receptacles	2014 NEC	406.12
AFCI (arc fault circuit interrupter) location/testing	2014 NEC	210.12
GFCI locations/testing	2014 NEC	210.8
Luminaire (light fixture) requirements	2014 NEC	410
Appliance installation	2014 NEC	422
Kitchen requirements—disposal cord, cook top flex strap; equipment tie in	2014 NEC	220.52
Smoke alarms in place and working	2015 IRC	R314
Jacuzzi requirements—tub grounded/bonded, dedicated circuit & accessibility	2014 NEC	680.71 - 680.74
Protection of wiring in attics/other attic requirements Service light and outlet, air handler disconnect & attic fan controls	2014 NEC	320.23 210.70 210.63
Electrical panel installation, identification, circuit labels (specific not general), breaker amperage consistent with conductor sizing , i.e. (no #14 romex on 20 amp breaker). Unused openings filled. Panel service conductor sizing	2014 NEC	210.19 215 310 408
Heating and air conditioning circuits (manufactures recommendations)	2014 NEC	440.22 422.12
Outdoor requirements—weather resistant outlets, in use covers	2014 NEC	406.9
Lighting of all egress doors to outside	2014 NEC	210.70
A/C disconnects labeled (if more than one)	2014 NEC	110.22
Outdoor service outlet for a/c unit	2014 NEC	210.63
Intersystem bonding terminations	2014 NEC	250.94

Building/Energy Final Inspection Checklist

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CODE ITEM	CODE	SECTION
Safety glass and glazing	2015 IRC	R308
Attic access and appliance access	2015 IRC	R807.1 M1305
Smoke detectors (with battery backup)	2015 IRC	R314
Carbon monoxide alarms	2015 IRC	R315
Front and rear address (minimum 4 inch numbers)	Policy	Fire Dept.
Hearth size	2015 IRC	R1001.1
Combustibles clearance from fireplace opening	2015 IRC	Tbl 1001.1 1001.11 1003.18
Separation between garage and house	2015 IRC	R309
Percentage of exterior brick (SF@70%)	CZO	Art. VII
Water meter cans (boxes)	GDS	W-7
City walks and approaches	Subdv Ord GDS	Art. X, Sec. G X1 Sec B P-15, P-22 P-26
Sewer cleanouts, water valves, manholes; level and accessible	GDS	Water & Sewer Chapters
Any work done without permit such as fences exceeding 20 feet in length, lawn sprinkler, dish, pool, etc.	General Brochure	
Attic ventilation *Includes Vent-A-Hood duct	2015 IRC	R806
Exterior refrigerant piping	2015 IECC	R403
Blown-in insulation shall comply with IECC	2015 IECC	R402
Surface drainage shall be directed to swales to ensure drainage away from foundation	2015 IRC	R401.3

Building/Energy Final Inspection Checklist

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CODE ITEM	CODE	SECTION
Stair and handrail requirements	2015 IRC	R311
Termite letter	2015 IRC	R318
Bollards behind driveway	GDS	M-4

Clean and Show/Construction Heat/Electric Service Inspection Checklist

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CODE ITEM	CODE	SECTION
Proper breaker size for heating unit	2014 NEC	424
Panel cover installed	2014 NEC	408
Access to electrical equipment	2014 NEC	110
No holes in panel or unused openings	2014 NEC	408 110-12
Capping of all loose wires and installed outlet covers	2014 NEC	110.14
Identification of panel service on meter base or disconnect	2014 NEC	408 110 230

Clean and Show/Construction Heat/Gas Service Inspection Checklist

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CODE ITEM	CODE	SECTION
Pipe materials (gas)	2015 IFGC	403
Pipe sizes (gas)	2015 IFGC	402
Connections (gas)	2015 IFGC	403
Pressure test (gas)	2015 IFGC	406
Proper installation	2015 IFGC	305
Venting of appliance	2015 IFGC	Chapter 5

Clean and Show/Construction Heat/Gas and Electric Service Inspection Checklist

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CODE ITEM	CODE	SECTION
Combine 6015 & 6020 inspections		

General Check/Follow-up Inspection Checklist

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CODE ITEM	CODE	SECTION
General Check/Follow-up		