

TEMP POLE/SERVICE INSPECTION

- Post is properly secured.
- Meter base is secure
- All back-fed devices properly secured
- All connections are tight
- Main located at nearest point of entry for service
- Sub-fed panel locations have isolated neutral & ground busses &
- Neutrals are identified with white markings
- Ground is properly identified
- Wiring is correctly sized for the over current protection device
- Approved types of lugs & screws are used for grounding & bonding
- Grounding electrode conductor connected to neutral buss
- Proper ground rod min. 5/8" ss, copper or zinc otherwise 3/4"
- Intersystem bonding terminal installed
- Panel bonding screw or jumper is present / ground rod has 8' of contact with earth with min. #6 awg copper wire / metal water pipes/concrete encased electrode/ metal veneers and/or fixtures are
- Panel cover is securely installed
- Raceway sealed (Fire caulk or duct seal)

PRE—FOOTING INSPECTION

- Footings/Trenches are on virgin soil, free of standing water and loose debris. **ACI 332-10 6.2.4**
- Footings/Trenches are proper depth & width for proposed structure. **ACI 332-10 7.2.1.1/7.2.1.2**
- Top of footing is 36" minimum below finished grade. **R403.1.4.1/Table R301.2.1(f)**
- Re-bar is bent around corners. **ACI 332-10 8.2.8(f)**
- Proper overlap of re-bar. **ACI 332-10**
- Re-bar for wall-to-footing connection on-site or keyway. **ACI 332-10 7.3.4**
- Isolated piers depth width with rebar **ACI 332-10 Table 7.3**
- Concrete encased electrode. **NEC 250.52(3)**
- Anchor bolts of proper size & diameter on-site. **R403.1.6**

FOUNDATION INSPECTION

- Vertical rebar size & spacing **ACI 332-10 Table A.1**
- Horizontal rebar. Number of bars and location. **ACI 332-10 8.2.8**
- Re-bar on site for reduced wall thickness (extends 12" into thicken area) **ACI**
- Re-bar for reentrant corners (openings & footing jumps) **ACI 332-10 8.2.10**
- Type of wall-to-footing connection used. **ACI 332-10 7.3.4**
- Re-bar is bent around corners. **ACI 332-10 8.2.8(f)**
- Proper overlap of re-bar. **ACI 332-10 8.2.8(e)**
- Concrete encased electrode. **NEC 250.52 (3)**
- Anchor bolts of proper size & diameter on-site. **ACI 332-10 8.2.5.1(a-e)**
- Re-bar for block wall size & spacing. **IRC Table 404.1.1(2)(3)(4) / 404.1.2(1)(2)(3)(4)**

BUILDING FRAMING

Termite & Decay Protection

- Untreated wood off ground, only treated wood may touch concrete surface. **R317.1.2**

Floor & Ceiling Framing

- Bearing Points - at least 1-1/2" on wood and 3" on masonry. **R502.6**
- Joist Overlap - 3" minimum. **R802..5.2.1**
- Bored Holes - less than 1/3 depth and not within 2" of top, bottom or another hole. **R502.8.1**
- Notches - None in the middle 1/3 of joist, 1/6th the depth and 1/3 length. **R502.8.1**
- Joists, Plates and Hangers, properly nailed. **Table R602.3(1)**
- Ceiling joists - Properly nailed to rafters and plates. **Table R602.3(1)**
- Header Framing - double header and trimmer joists if over 4' span & hangers must be used if span is greater than 6'. **R502.10**
- Load Bearing - loads properly carried to the foundation. **R301.1**
- Fire blocking - stair landing, walls exceeding 10', concealed spaces & fireplaces. **R302.11**

Wall Framing

- Top Plates - double with 24" offset OR single with steel strap connectors. **R602.3.2**
- Stud to Joist Alignment. **R602.3.3**
- Bearing & Exterior Wall Borings - 40% - 60% bores must be doubled. Holes not closer than 5/8" to framing surface. **R602.6**
- Headers properly sized. **R602.7**
- Anchor bolts properly spaced and secured. **R403.1.6**
- Penetrations sealed. **R302.11**
- Wall bracing - All walls properly braced. **R602.10**

Windows

- Egress - Proper size, height and location. **R310**
- Fall protection for windows less than 24" and above grade. **R312.2.1**
- Safety Glazing in Hazardous Location - stairs, door swing, bath/shower areas & less than 18". **R308.4**

Roof Framing

- Notches (rafters) - no notches on tension side. **R802.7**
- Ridge Board (rafters)-at least 1" thick & same depth as cut of rafters. **R802.3**
- Rafter overhang does not exceed 24". **Table 802.11 footnote c**
- Rafter ties where ceiling joists are not connected to the rafters. **R8025.2**
- Trusses - no cuts or alterations. **R802.7.2**
- Trusses properly braced. **R802.10.3**
- Hurricane Ties - on all truss to exterior walls with all holes filled. **R802.11**

MECHANICAL—ROUGH IN

- Hydronic piping tested prior to placement of concrete. **M2105.28**
- Building cavities are not to be used as supply ducts. **M1601.1.1(7)**
- All ductwork to be sealed and properly supported. **M1601.4**
- Dryer vent length doesn't exceed 35', unless manf. specs differ. **G2439.7.5**
- Discharge of exhaust clearance from openings
- Duct blast test results if applicable.

ELECTRICAL—ROUGH IN

- Proper location and clearance of the electrical panel. **IRC E3405**
 - Lighting for electrical panel. **E3405.6**
 - All Romex connectors & bushings properly installed.
 - Holes in joist shall not be within 2" top, bottom or another hole. **R502.8.1**
 - Holes not located closer than 5/8" to framing surface.
 - Nail protection plates for holes less than 1-1/4" from the end of member.
 - Protection of wires located closer than 1 1/4" to framing surface.
 - Panel bonding screw or jumper is present / ground rod has 8' of contact with earth sized to largest conductor copper wire / metal water pipes/concrete encased electrode/ metal veneers and/or fixtures are bonded to ground.
 - Low voltage and high voltage in separate boxes.
 - Cables stapled 12" of boxes & 4-1/2" thereafter with splices in proper boxes correctly connected and tightened.
 - Conductors spliced properly in boxes with appropriate connectors.
 - Receptacle Outlets on outside of dwelling (one front and one rear).
 - 1/4" minimum amount of Romex sheath shown in box.
 - Cables are protected 6' min of attic access.
 - Approved cover requirements have been met (buried or encased).
 - Outlet spacing, switch locations, fan boxes, floor boxes, etc. are correct.
 - Hallways > 10' must have an outlet, light, and switch at both ends.
 - Stairs with 6 riders or more must have light and 3 way switches top and bottom.
 - Interconnected smoke detectors in all sleeping rooms.
 - Interconnected CO detectors in the immediate vicinity of sleeping rooms.
 - No boxes or cables in return air plenums.
 - Recessed light fixtures are properly rated.
- #### Garages and Basements
- One outlet minimum excluding laundry area.
 - Lighting for stairs.
 - Required wall switched light installed.
 - Light on exterior side of man door.
 - First 6" above garage floor free of panels and receptacles
- #### Kitchen
- Area wired with 12 awg copper
 - In Kitchens, Pantry, Breakfast Rooms, Dining Rooms, etc. two or more small
 - Hood vent not on small appliance circuit
 - Disposal and dishwasher on separate circuits
 - Range supplied with 3-conductor cable w/ ground (30A-10, 50A-8)
 - One outlet (minimum) for peninsular & fixed island countertops
 - Receptacle wall outlets for countertop spaces greater than 12" are spaced so that no point is greater than 24" from outlet
- #### Bathroom
- Separate circuit breaker for receptacle or recept & lights per room
 - Whirlpool tub motor bonded
 - Area wired with 12 awg copper
- #### Laundry Areas
- Area wired with 12 awg copper
 - Clothes dryer wired with 10awg wiring 3 conductor cable w/ ground