

## **Building Inspection Descriptions**

### **GENERAL CONSTRUCTION / ADDITIONS**

- Foundation inspections
  - Inspection after excavations for footings or piers and grade beams are complete: any required reinforcing steel along with any required bolts, anchors, forms, or straps are in place.
  - If there is a requirement for special inspection, soils engineering, or structural engineering, a letter or field report must be available at the time of inspection.
- Under-slab inspection
  - Inspection after all plumbing, equipment, conduit, etc. is installed, but before any concrete is placed; an additional slab reinforcement inspection will be required for any reinforcing steel, base fill material, required bolts, anchors, or straps.
- Under-floor inspection
  - For a raised wood floor system, an under-floor inspection of framing, plumbing, ducts, electrical cable or raceways, under floor ventilation and drainage equipment, is required before installing subfloor sheathing. A floor diaphragm nailing inspection may be required before building walls.
- Roof diaphragm or roof sheathing and exterior shear wall nail inspection
  - Done prior to covering with roof or exterior finish
  - If special inspection or structural observation is required a field report or stamped letter from the engineer of record must be available for this inspection.
- Vapor barrier
  - Inspection of all vapor barrier with windows installed
- Exterior lathe (siding, veneer or masonry)
  - Inspection of exterior weather proofing material (e.g. stucco paper or other approved products. For stucco applications a lathe inspection will be done at this time. All penetrations must be sealed.
  - Masonary anchors
  - Siding attachment
  - Weather proofing
- Frame All Trades inspection
  - Inspection of interior framing and rough plumbing, electrical, mechanical, fire sprinklers fire alarm, trade work. All plumbing systems must be under test.

- Wall, ceiling, or roof / ceiling thermal insulation inspection
  - Inspection of required insulation as well as sealing of all plate penetrations with an approved material.
  - This inspection may only be called when the affected area has been made weather tight.
- Drywall (interior and exterior (if applicable))
  - Inspection of all drywall (gypsum)
  - Inspection of shower backing
- Final inspection
  - Inspection after all the permitted work has been completed
  - Final affidavits from special inspection agencies, engineers, and Title 24 energy code forms must be available at this time.
  - Installation of required smoke detectors and carbon monoxide alarms will be verified at this inspection.
- Request Certificate of Occupancy

### **BATHROOM AND KITCHEN REMODELS (TYPICAL)**

- Frame All Trades
  - Inspection of all electrical, plumbing, and mechanical rough in prior to covering
- Drywall
  - Drywall nail inspection
  - Shower backing
- Final inspection
  - Inspection after all permitted work has been completed.
  - Installation of required smoke detectors and carbon monoxide and/or fire alarms will be verified at this inspection.
  - Bathroom finish floor installed and fixtures made water tight.

### **PLUMBING RE-PIPE**

- Rough plumbing
  - Inspection of all new pipe above and below floor
  - For PEX and CPVC installations, the plumber must be present and show proof of certification by the manufacturer as required.
- Final inspection
  - All drywall must be repaired and garage separation walls fire taped.
  - Installation of required smoke detectors and carbon monoxide alarms will be verified at this inspection.
  - Verification of required flushing procedures (PEX & CPVC installations)

## **P.V SOLAR INSPECTION**

### **Roof Mounted Systems.**

- Rough Frame (Code 133)
  - First Inspection - Attachment of rack/mounting system and flashing. Access by ladder and under roof required
- Rough Electric (code 204)
  - First Inspection – Pre-wiring inspection, required for all Enphase micro-inverter type installations as well as installations where wiring must be done in the field under or in the modules
- Final Electric (code 299)
  - Final inspection – Final inspection of all system. Digital images are usually required to show bonding of racks and junction boxes located on roof not viewable from ladder. Inspector will provide direction on what needs to be seen.

### **Ground Mounted Systems**

- Footings (code 102)
  - First Inspection - This inspection is required prior to placement of concrete footings.
- Rough Frame (code 133)
  - Second Inspection - Construction of array mounting system may require inspection prior to module installation. Contact inspector for specific job requirements.
- Rough Electric (code 204)
  - Second Inspection – Underground raceways and cables shall be inspected prior to covering. Pre-wiring inspection, required for all Enphase micro-inverter type installations as well as installations where wiring must be done in the field under or in the modules (I.e. BP Solar type modules). This inspection shall be done before module installation.
- Final Electrical (Code 299)
  - Final inspection – Final inspection of all system. Digital images are usually required to show bonding of racks and junction boxes located on roof not viewable from ladder. Inspector will provide direction on what needs to be seen.
- Final Building (Code 199)
  - Final Inspection - To be scheduled along with the final electrical inspection.