

## **REQUIRED INSPECTIONS**

The following indicated ☒ inspections are required at \_\_\_\_\_

for \_\_\_\_\_ (2018 International Residential Code)

**Requests for inspections should be made at least Twenty-Four (24) hours in advance. Construction work must be inspected on accordance with these instructions. Re-inspection fees will be charged for all failed observations. Approved plans shall be on site at the time of inspections.**

**To schedule inspections, call Mike Brent (484-861-3108), or email [mbrent@barryisett.com](mailto:mbrent@barryisett.com)**

- ☐ **FOOTERS:** ☐ **PIERS:**  
Before placement of concrete. The bottom of footing trenches/piers shall be dry, clean, and solid. Rebar shall be installed if indicated on the approved plans. All forms shall be complete with gaps no greater than 3 inches. **FOR PRECAST FOUNDATIONS CALL FOR INSPECTION BEFORE THE STONE IS INSTALLED.**
- ☐ **PRE-FOUNDATION:**  
Foundation forms set, steel reinforcement installed per the approved plans, and before concrete placement. For CMU, partially erect with steel reinforcement installed.
- ☐ **FOUNDATIONS:**  
Foundation and all walls shall be complete up to grade level, prior to backfilling. Foundation waterproofing/damp proofing, materials, anchor bolts and sill plates installed, and exterior perimeter drains shall be complete.
- ☐ **SERVICE – SEWER:** ☐ **SERVICE – WATER:** ☐ **SERVICE – FIRE LINE:**  
Plumbing services shall be complete. Underground copper supply lines **shall not** be covered by limestone screening. Sand or other suitable fill shall be utilized. **Note: Plumbing tests are required for all water supply lines and drainage lines.** Water supply line tests require working pressure of the system or an air test not less than 50 psi. Drainage line tests require 10-foot head of water test. Fire lines require 200 PSI hydro-test.
- ☐ **UNDERSLAB ROUGH ELECTRICAL:**  
All conduits shall be installed below the bottom of the slab. All joints shall be sealed / glued.
- ☐ **UNDERSLAB ROUGH PLUMBING:**  
Plumbing under slab shall be complete. Underground copper supply lines shall not be covered by limestone screening. Sand or other suitable fill shall be utilized. **Note: Plumbing tests are required for all water supply lines and drainage lines.** Water supply line tests require working pressure of the system or an air test not less than 50 psi. Drainage line tests require 10-foot head of water test. (One- and two-family dwellings only are permitted to be tested with 5 psi of air).
- ☐ **SLAB:**  
All underground utilities shall be complete and inspected. Stone base, welded wire (if indicated), insulation board, and 6-mil polyethylene (if indicated) shall be complete. Finished floor elevation is required to be marked and/or indicated for the inspection. All rebar or wire mesh is required to be installed on chairs.
- ☐ **DECK BONDING (EQUIPOTENTIAL BONDING):**  
Before covering. Bonding Ring is installed and connected to the pool at 4 equally spaced locations.
- ☐ **BONDING:**  
Before back filling or covering any wire or connections. All potting compounds shall be installed.
- ☐ **ROUGH ELECTRICAL TRENCH:**  
All trenches shall be inspected before back fill. Conduits shall be installed at the correct depth per the code. The conduits shall be supported continuously at the bottom of the trench.
- ☐ **ELECTRICAL SERVICE:**  
Install meter base, panel/disconnect, service entrance conductors, and grounding electrode systems.
- ☐ **ROUGH ELECTRICAL:**  
All splicing to be complete. All wiring and device boxes are installed, all penetrations are fire stopped, prior to concealment.
- ☐ **ROUGH MECHANICAL:**  
Ductwork and/or concealed piping shall be complete. All penetrations fire stopped, prior to concealment.
- ☐ **GAS TEST:**  
Pressure tests are required for gas lines. Test pressure shall be not less than 1-1/2 times the proposed maximum working pressure, but not less than 3 psig. **Note: Propane systems and piping are excluded as per Act 35.**
- ☐ **ROUGH PLUMBING:**  
Plumbing under slab shall be complete. Underground copper supply lines shall not be covered by limestone screening. Sand or other suitable fill shall be utilized. **Note: Plumbing tests are required for all water supply lines and drainage lines.** Water supply line tests require working pressure of the system or an air test not less than 50 psi. Drainage line tests require 10-foot head of water test. (Air test on plastic is prohibited in Nonresidential (Commercial) Applications.) (One- and two-family dwellings only are permitted to be tested with 5 psi of air for plastic DWV.). The pressure test shall be witnessed by the Code Official.

- ☐ **ROUGH FIRE ALARM/SPRINKLER:**  
The pressure tests shall be witnessed by the Code Official.
- ☐ **ROUGH BUILDING/FRAMING:**  
All structural framing, sheathing, bracing, fire caulking, fire blocking, and draft stopping shall be complete. Mechanical, electrical, and plumbing systems shall be complete. Installation of insulation shall not be initiated.
- ☐ **SPRINKLER TEST:**  
Piping shall be exposed. Tests shall be conducted as per NFPA requirements.
- ☐ **EXTERIOR LATH:**  
(Stucco Mesh, Veneer Mesh, or any similar products): Before base coat.
- ☐ **INSULATION/ENERGY CONSERVATION:**  
All insulation (to be concealed) shall be complete. **Note: Chosen energy path information (Com-Check, International Energy Code Prescriptive, Res-Check, PA Alternatives, International Residential Code Prescriptive) must be on site, including manufacturer's stickers on all glazing.**
- ☐ **AIR BARRIER/AIR LEAKAGE:**  
Thermal envelope fully sealed and any required testing completed per IRC and IECC requirements.
- ☐ **DRYWALL:** After insulation is approved and wallboard has been fastened, prior to taping and spackling.
- ☐ **ABOVE CEILING-BUILDING**
- ☐ **ABOVE CEILING-ELECTRICAL**
- ☐ **ABOVE CEILING-MECHANICAL:**  
Required duct insulation shall be installed.
- ☐ **ABOVE CEILING-PLUMBING:**  
For all above ceiling inspections above: all penetrations shall be sealed. Fire-rated and smoke-rated wall shall be labeled. Ceiling grid shall be properly supported. Ceiling tile shall not be installed.
- ☐ **ALARM TEST:**  
Alarm system complete and operational. Provide the capability to test all devices.
- ☐ **HOOD DUCT TEST:**  
Light test for hood duct prior to the duct wrap.
- ☐ **HOOD DUCT WRAP:**  
After wrap is installed and before concealing the wrap.
- ☐ **HOOD SUPPRESSION TEST:**  
All tests, including balloon, fusible link and pull station, to be conducted as per NFPA requirements.
- ☐ **HOOD FINAL:**  
When all the work is completed, and all cooking equipment is installed.
- ☐ **FINAL ELECTRICAL:**  
All devices, fixtures, and equipment shall be installed and operational. Unused wire connections shall be capped.  
- *Solar inspections for PECO service – Barry Isett & Associates must be made a collaborator on the contractor's account prior to inspection, otherwise we will not be able to issue a cut-in card.*
- ☐ **FINAL MECHANICAL:**  
All heating and air conditioning and other mechanical appliances shall be operational. **Note: Propane systems and piping are excluded as per Act 35.**
- ☐ **FINAL PLUMBING:**  
All fixtures shall be installed. Hot water shall be operational. Drains for uninstalled fixtures shall be capped.
- ☐ **FINAL SPRINKLER:**  
The entire system must be complete and operational.
- ☐ **ACCESSIBILITY:**  
Accessibility compliance with the International Building Code and ICC/ANSI A117.1. Signage installed and handicap parking striped.
- ☐ **FINAL BUILDING:**  
Any above inspections that apply shall be complete. Smoke detectors, handrails, guardrails, plus exterior landings, and steps shall be complete.
- ☐ **OTHER AS NOTED:**

**PLEASE NOTE THAT ROUGH-IN, ABOVE-CEILING, AND FINAL INSPECTIONS FOR ALL DISCIPLINES WILL BE COMPLETED AT THE SAME TIME UNLESS ALTERNATE SCHEDULE HAS BEEN APPROVED BY THE CODE OFFICIAL.**

**IF APPLICABLE, WAREHOUSE RACKING SYSTEMS MUST BE INSTALLED PRIOR TO FINAL INSPECTION, OR HAVE LAYOUT DESIGN SUBMITTED AND APPROVED PRIOR TO FINAL INSPECTION.**

**NO BUILDING SHALL BE OCCUPIED OR USED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.**