



Typical Inspections for Residential (1- & 2-family) Construction

August 1, 2014

The table below is a guide to determine which inspections are needed for conventional construction techniques based on the type of project. An inspection is generally required before framing, insulation, concrete reinforcement or MEP work is concealed or covered.

Inspection	New construction 1 & 2 family	New construction Townhouse	Addition	Remodel
Temporary Pole Inspection	O	O	O	O
Plumbing Rough-In	R	R	O	O
Plumbing Outside Relay Water/Sewer/Gas	R	R	O	O
Pre-Pour Foundation/Grade Beam	R	R	R	O
Masonry Fire Box	O	O	O	O
Fire Rated Construction	O	R	O	O
Wind Bracing	R	R	R	O
Combination Framing/MEP	R	R	R	O
Insulation	R	R	R	O
Pre-Pour Drive Approach	R	R	O	NR
Pre-Pour Sidewalk	R	R	O	NR
Building Final	R	R	R	R

R = Required Inspection; O = Only if project scope requires; NR = Not required

1. **Temporary Pole Inspection:** Inspection items include pole support, location, GFCI protection, wiring method, address, grounding, etc.
2. **Plumbing Rough-In:** Inspection items include pipe grading/embedment, material, venting, proper size, connections, water test, etc.
3. **Plumbing Outside Service Water/Sewer/Gas:** Inspection items include materials, sizing, testing, pipe grading/embedment, etc. If water pressure exceeds 85 PSI, a pressure-reducing valve must be installed just past the meter and outside of the city right-of-way.
4. **Pre-Pour Foundation/Grade Beam:** Inspection items include steel/cable reinforcement, forms, anchor bolts/special hold downs (including those necessary for any wind bracing) on site, protection of plumbing/electrical piping, form board survey zoning setbacks/ minimum finish floor if required, provide observation report from engineer if piers are poured, etc.
5. **Masonry Fire Box:** First inspection is conducted after the fire box is constructed and damper is in place.
6. **Fire Rated Construction:** Please see Technical Bulletin:
www.arlingtontx.gov/build/pdf/technicalbulletins/2009/townhouse_firewalls_plan_review_inspection.pdf.
7. **Wind bracing:** Inspection items include nail patterns for brace wall panels, correct type and placement, anchors and matches plan.
8. **Residential Building Seconds (combination framing/MEP):** Inspection items include framing, rough electric, plumbing top-out, gas line, a/c rough-in and energy items (glazing SHGC and U-factor, door U-factors, duct insulation, sealing holes in thermal envelope, etc.).
9. **Insulation:** Inspection items include wall cavity, ceiling batt, floor cavity above unconditioned spaces, sealing of doors/windows and building envelope, etc.
10. **Pre-Pour Drive Approach/Sidewalk:** Inspection items include reinforcement and expansion material and dowel connection. Typical details can be found on Arlington Public Works Department web site at www.arlingtontx.gov/publicworks/engineering_typicaldetails.html.
11. **Building Final:** Inspection items include building life safety, MEP fixtures set, lot graded, attic insulated, water meter set, landscaping installed (when on approved plans), duct blower test certification and FEMA elevation certificate (if required).

The general contractor is responsible for inspection requests. Request inspections can be made online if you are registered to use ArlingtonPermits.com or by calling the 24/7 Inspection Request Line at (817) 261-8817. Requestors need to provide their name and phone number, permit number or address and type of inspection. Inspections requests made after 7 a.m. will be scheduled for the next business day.

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