

PLANNING & INSPECTIONS DEPARTMENT
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Orange County Inspection Division offers two inspection protocol options performed during construction of Residential projects. The “Standard” option is the eight required inspections listed in section 107 of the NC Administrative Code and Policies (seven are applicable to Residential projects). The “Traditional” option is the same inspections, expanded into each part that are inspected during construction.

To ensure compliance with NC General Statute the Traditional option requires you to “request” the additional inspections, by signing the affidavit.

**IF YOU WISH TO USE THE STANDARD OPTION YOU NEED DO NOTHING
AND THOSE INSPECTIONS WILL BE USED FOR YOUR PROJECT.**

Please note:

- The Standard eight inspections can only be scheduled in order and:
 - must be complete/approved to move to the next inspection.
 - All individual parts of the inspection step must be ready at the same time (one inspection for each of the eight inspections).
 - Partial inspections are not allowed unless for “technical feasibility” issues (such as slabs during foundation inspection). Trenches not ready at rough-in is not considered being technically infeasible and are required before scheduling a framing inspection. Whether an element is technical infeasible is determined by Orange County Inspection Division.
 - Exception is given to plumbing rough-in shower pan inspections (either option) to allow this inspection after insulation, but before finals.
- All individual parts (see red arrows) of the standard inspection are subject to re-inspection fees, independent from the other individual parts (e.g.: deficiencies in electrical and plumbing system would result in two re-inspection fees being assessed for the rough-in inspection), similar to the Traditional option.
- Orange County offers one “free” re-inspection during a project. All subsequent “re-inspection required” status (failed inspection) would result in a fee (this applies to Traditional or the individual parts of Standard inspections).

While it is preferred to select an option for the entire project, if you change your mind, you can switch your choice by either sending in a signed affidavit or letting us know to switch you to the Standard option.

See the following table detailing what individual part of a residential project is inspected at each scheduled inspection, for each option.

▶ = Individual parts of these inspections are subject to a separate re-inspection fee, for failure to meet minimum Code requirements.

* = Flexibility or no sequence in scheduling (hard stop at Insulation, all previous inspections to be approved).

NCACP SECTION 107 8 required inspections scheduled	Standard option: Inspected Individual parts	Traditional Inspections scheduled	Traditional option: Inspected Individual parts
Saw Service	<i>Indicating "Saw Service" on application grants authority to perform this inspection.</i>	Saw Service	<i>When electric is needed for construction.</i>
Footing <u>All excavations/forms in place:</u> ▶ Deck ▶ Building ▶ Retaining wall		Building Footing	When excavation is complete for building, * may be divided into sections for phasing.
		Deck Footing	When excavation is complete for deck/porch * no sequencing.
Under Slab All utilities concealed under a slab, under test and protections provided ▶ Plumbing, ▶ Electrical ▶ Mechanical (hydronic pipe, partial inspection to allow slab preparation)		Plumbing in slab,	Each trade in * any sequence when utility system is tested and ready.
		Mechanical in slab	Gas piping, duct or hydronic piping
		Electrical in slab	Conduit or grounding electrode
Foundation ▶ Foundation system complete (reinforced masonry partially approved until complete) ▶ projection ▶ structural slab/monolithic ▶ concrete form ▶ pre-cast foundation wall ▶ basement water-proofing ▶ modular building pier & tie-down ▶ masonry fireplace pedestal, to first flue liner (requires partial foundation approval until ready). ▶ Retaining wall (designed) No back fill, crawl space graded or floor framing permitted.		Foundation	-Crawl space is graded, damp-proofing applied, crawl drain provided and mudsill placed. *Floor system permitted to be framed (no sheathing). -Pier and tie-downs installed for on-frame modular buildings -Designed retaining walls * no sequence
		Projection	* Typically done while foundation block is being laid
		Concrete form	Concrete foundation and reinforced masonry walls. * May be scheduled for multiple pours.
		Water-proofing	Basement wall waterproof material applied. Before backfill.

	Building Slab	For all structural, non-structural interior and elevated slabs. *may be scheduled in multiple phases.
	Garage Slab	Structural slab, only.
	Floor Framing	* Typically combined with foundation inspection. Floor system with point-load blocking, multiply members installed BEFORE sheathing.
	Trenches	plumbing, mechanical, electrical, gas pipe trench inspections *may be scheduled whenever ready, * no sequence.

Rough-in Utility installation: ▶ plumbing trench ▶ electrical trench ▶ gas line trench ▶ mechanical trench (hydronic/geothermal) ▶ plumbing rough-in ▶ mechanical rough-in ▶ electrical rough-in ▶ factory fireplace ▶ gas pressure test (rough-in) ▶ NFPA 13D sprinkler rough-in	Masonry Fireplace	When firebox to the first flue liner and hearth extension are complete. * No Sequence
	Factory Fireplace	Separate from mechanical rough-in. * When system is installed.
	Gas pressure test: rough-in	When piping that will be concealed is tested. * No sequence.
	Pre-Brick, Pre-Stone	After weather-proofing and windows/doors installed. * No sequence
	NFPA 13D sprinkler system	Standalone designed system (part of plumbing inspections when a multipurpose system). * No sequence.
	Pool Bond	Bonding relating to swimming pools. * multiple accepted

Framing ▶ Exterior cladding/siding, ▶ structural framing	Modular Marriage wall	When sections are joined together * No sequence
	Framing	After trades have been approved (may be concurrently). * Partial approvals of sections permitted.

Insulation	All thermal insulation (that will be concealed behind wall coverings) is complete	Insulation	After all previous inspections including framing are approved. * Permission may be granted to insulate prior to complete framing approval
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<i>Temporary mechanical and/or electrical service</i>	<i>Application required: After wall finishes and either entire systems are complete or approved partial systems for release of utility power</i>	<i>Temporary mechanical and/or electrical service</i>	<i>Application required: After wall finishes and either entire systems are complete or approved partial systems for release of utility power</i>
Final After Insulation approved. ▶ plumbing final ▶ mechanical final ▶ electrical final ▶ gas pressure test final ▶ building final ▶ temporary utility final (application required) ▶ factory fireplace final	Restore Electrical Service,		* May be scheduled when needed (any order).
	Relocate Service,		
	Change-of-service		
	Deck Final		* No sequence, or with building final.
	Electrical final		Complete
	Plumbing final		Complete
	Mechanical final		Complete
	Factory fireplace final		Complete
	Gas pressure test final		Complete
Building final		Building complete, non-structural garage slab slope, Swimming pool barrier	
N/A	Inquire when Inspector on site for scheduled inspection only.	Consultation	* No sequence. Brings Inspector to job site to address questions.
N/A	Must follow schedule, may schedule partials ONLY within this schedule to facilitate technical feasibility issues, as approved by Orange County Inspections Division	Partial Inspections	* Applicant may select to have unique portion of building inspected to meet scheduling needs.