Minimum requirements for residential building plans submitted to Wake County Plan Review. All plans are required to be designed to meet the 2018 North Carolina Residential Code. This is a minimum plan review checklist, additional information may be added by the applicant or requested in the field to determine compliance (e.g. I-joists hole cutting chart/booklet). Permit holders remain responsible for meeting all code requirements regardless if a review item or not. This minimum review checklist is intended to help prevent any major non-compliance issues from being built in the field which typically results in significant cost and delays on a project.

**General**
- Name of designer, engineer, or architect with address and phone number
- If plans are stamped by a N.C. Architect or Engineer, their seals are required to be signed and dated
- Indicate heated square footage, garage square footage, unheated square footage, deck/porch sqft.
- Number of bedrooms on the plans are required to match permit application and septic system.
- All options being used need to be clearly marked. Please eliminate or mark out options not being used
- Drawings to scale (minimum 1/8")
- Minimum plan size: Minimum 11x17; small structures 8.5" x 11" if legible
- Energy code requirements. Insulation, floors, walls and ceilings

**Elevations**
- Front, sides and rear elevations
- Building height, mean roof height and story height
- Roof pitches
- Glazing U-Factor

**Floor Plans**
- Rooms labeled as to their intended use. Please do not use bonus, flex or office
- Mark all unheated / unfinished areas
- Room, hallway and stair dimensions
- Window and door sizes and locations
- Label and show all fireplaces, prefab or masonry

**Foundation**
- Wall footing width and depth, reinforcement if required
- Foundation wall type, size and reinforcement if required
- Pier footing size width and depth, reinforcement if required
- Pier sizes and solid cap
- Slab footings and layouts for mono-slabs
- Slab thickness and details, reinforcement if required
- Anchor bolt details
- Crawl space ventilation calculations or closed crawl space marked on plans
- Crawl space access size
**Floor Framing**
- Girder size, number of members, species, grade and spans
- Floor joist direction, size, on-center spacing, species, grade and spans
- If using I-Joist, plans or layout will need to list manufacturer, series, size and on-center spacing. I-Joist design is required to be approved by architect or engineer of plans.
- Engineered web floor truss package and layout, if being used.
- Openings in floors, headers and trimmers marked
- Floor sheathing type and thickness

**Wall & General Framing**
- Wall stud size, on-center spacing, species and grade
- Wall header size, number of members, species, grade and spans
- Number of jack and king studs for each opening
- Beam type or species/grade, size, number of members and span
- Stud column size, number of members, species and grade for beams and point loads
- Wall sheathing type and thickness
- Wall bracing method used
- Portal / narrow wall bracing detail, if required
- Point loads marked with load path and blocking requirements
- If brick veneer used, list lintel requirements

**Roof Framing**
- Roof rafter plan or layout from manufacturer if using engineered roof trusses
- Roof rafter direction, size, on-center spacing, species, grade and spans
- Roof tie down method and continuous load path
- Collar ties and rafter ties size and spacing
- Ridge board, hip and valley sizes
- Ceiling joist direction, size, on-center spacing, species, grade and spans
- Openings in ceilings or roof, headers and trimmers marked
- Roof sheathing type and thickness
- Roof vent calculations or marked as unvented
- Attic access size and location

**Decks and Porches**
- Dimensions- outside dimensions, spans between supports posts and footings.
- Footing sizes- width, depth and locations.
- Posts sizes.
- Girder sizes, number of members and spans between supports.
- Floor joist direction, size, on-center spacing and spans.
- Bracing details for free standing decks and decks attached to structures with a floor height 4’ or taller
- Deck to house band attachment details.
- Header size, number of members and spans between posts.
- Ceiling joist direction, size, on-center spacing and spans.
- Roof rafter direction, size, on-center spacing and spans
- Ridge size