

Screen Enclosure or Covered Porch

- **Completed Application**
- **Two (2) Plot plans** (must show main dwelling outline, decks, porches, easements, etc. and their distances to the property lines).
- **Two (2) sets of plans** for the deck drawn to a 1/4" scale. Include the following:
 1. Plan View (top view)
 - Name and address of the person designing the plan
 - Outside dimensions of the proposed porch
 - Footing size (thickness, width, depth) and location, for each footing.
 - Girder size, type material, and location of each utilized.
 - Floor joist size, type material, spacing and direction of span.
 - Dimensions between supports of all structural members.
 - Proximity and attachment to the house, or note that porch is freestanding.
 - Show cantilevers and dimensions per table R502.3.3(1).
 - Treated floor decking per Appendix M, 6 (ex: 5/4x6, or 2x6 S4S) or other used.
 - Roof details: gable or shed roof, roof pitch, flat or vaulted ceiling, rafters, ceiling joist, headers, ridge beams, attachment to the house, rafter ties & spacing, etc.
 2. Elevation drawings
 - Provide drawings and construction details as necessary for clarification.
 - Bracing is required for porches with floors more than 4' above grade. Freestanding porches require bracing on all four sides.
 - Guardrails that are 36" high are required for porches with floors more than 30" above grade.
 3. Engineering (all conditions below require design by a NC Design Professional)
 - Porch supported by a cantilever (ex: bay window or 2nd floor cantilever).
 - Point loads not supported directly to a foundation or footing.
 - Spas and hot tubs supported by wood floor system.
 - Cantilevers that exceed allowances in table R502.3.3(1).
 - Other structural conditions not covered by the Code.