Staircase Installation Standards

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www.southernstaircase.com

Southern Staircase

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Southern Staircase takes pride in the quality of the products it produces, and therefore we set Standards for Quality. We expect all employees and subcontractors to follow these standards regardless of what other stair companies or the market may feel is acceptable. We insist on this quality, because our reputation is at stake.

Installation Specifications:

1. **Attaching stair at header**:
    a. Use **six** 16D penny nails **or six** #8 x 3" Flat Head Screws located approx. 2" from top

    b. Bondo and sand
2. **Attaching stair at stud walls**:
    a. 5/8" Spacer block attached with two #8 x 3" Flat Head Screws or 16D penny nails per stud (Stair over 10 rises). One screw per stud 10 rises or less.
    b. Attach from underside of stair (when possible)
    c. Shim blocks and stringers glued to the floor
3. **Framing Landings**:
    a. Run into walls when possible (all four corners need to be supported)
    b. If not run into walls: run GRK into studs
    c. Floor joist on 16" centers
    d. Use 2" x 10" joist (STD) for framing (char uses 2x8)
    e. Use ¾" CDX plywood on surface of landing
    f. Supported with ledger strips or hangers

    g. Break plywood - joint on center of stud
    h. Secure plywood subfloor with #8 x 3” Flat Head Screws every 12” into joist and use subfloor adhesive
4. **Framing Walls**:
    a. Studs will be 16” on center on straight stairs
    b. Studs start at 8” and increase by 6”(per) on curved stairs
    c. Fasten with 3” Coated Sinker framing nails
5. **Packing out a header**:
    a. <4.5” = No more than three 2”x10” studs (4.5”) applied face to face
    b. >4.5” = Frame a box to be mounted
6. **Attaching Dog-Legs**:
    a. Run inside a wall / set on jacks
    b. Steel Angle brackets (3/2) can be used if runs into beam
    c. Use 3” x ½” Lags (Minimum) when using angle brackets
    d. Construction adhesive
    e. Flitch plates required when beam depth exceeds
    f. Through Bolt for some applications
7. **Beaming Freestanding Stairs**
    a. Bird-mouth cut or flush cut
    b. Steel Angle brackets (3/2) can be used if runs into beam
    c. Use 3” x ½” Lags (Minimum) when using angle brackets
    d. Construction adhesive
    e. Through Bolt for some applications
8. **In contact with cement**:
    a. Tar paper; felt paper; or plastic must be between surfaces
    b. Pressure treated wood will also work
9. **Tread covers**
    a. Must be secured with ½”x ¾” staples – minimum two per tread