

Model 165 Stair Erection Instructions

STANDARD ERECTION INSTRUCTIONS FOR SPIRAL STAIR: DESIGN 165

The following instructions are written to cover the erection of standard Superior Spiral Stairs. Slight variation and/or additional procedures in erection may be necessary to meet conditions other than standard. When erecting multiple flight stairs, it is recommended that each flight be assembled in its entirety before beginning erection of subsequent flights.

All stairs have been completely shop assembled and are marked in accordance with shop detail drawings. Erection should be coordinated with shop drawing which shows parts' locations, hardware application, and other applicable data.

DESIGN 165

- 1 Anchor base plate in proper position.
 - 2 Place center pole in position on base plate.
 - 3 Install wood end caps. Refer to sketch attached. (Not applicable on all 4. stairs.)
 - 4 Install carpet covering. Refer to sketch attached.
 - 5 Assemble treads on center pole in numerical order: i.e. 1, 2, 3, etc. and place in approximate position as shown in plan views.
 - 6 **NOTE:** The hub of tread #1 is machined to allow for the base plate and the hubs of all treads and platforms are drilled and tapped two places for 3/8 " set screws. Make sure threads are free from paint, chips, etc. before they are assembled on center pole.
 - 7 Place center pole trim piece over protruding center pole, rotate trim piece so that tapped holes are directly in line to receive well rail. Install well rail and anchor points. Secure center pole trim piece with two 5/16 " x 5/16 " set screws.
 - 8 Attach balusters loosely to corresponding numbered treads.
 - 9 Attach spiral rail sections loosely to balusters with screws as indicated by detail on drawing. Secure spiral rail splices per details on drawing. Anchor top section of spiral rail securely to platform, wall or well rail as indicated on the drawing.
 - 10 **NOTE:** Spiral rail sections are marked in numerical order as stair is ascended. For birch rail splice details refer to sketch attached.
 - 11 Working from top of stair down, position treads so that balusters are in a true vertical position. Lock tread to center pole with 3/8 " set screws. Secure spiral rail to baluster and baluster to tread.
 - 12 Recheck all fasteners and make sure all are secure. Adjust alignment as required.
 - 13 **FINAL OPERATION:** Drill center pole thru 3/16 " hole in hub of treads with #14 drill and install 3/16 " x 3/4 " groove pins. **
 - 14 If colorail is being used, install in accordance with instructions in colorail bulletin.
- ** Drill center pole thru 3/8 " hole in tread #1 with a 3/8 " drill and install 3/8 " x 1 " groove pin.