



# Over-The-Post Take Off Guide

The following information will help you begin installation of an Over-The-Post Stair System. (Interior use only.) This list will allow the flexibility to comply with most building codes related to baluster spacing and handrail height. We suggest you always consult local building codes before installation begins.

**STARTING STEP** – To be used with volute and turnout fittings. Length is determined from outside finished wall to outside finished wall.

**TREADS** – Excluding the starting step choose one tread for each step. Open-sided stairs require mitered return treads. Treads are available mitered on one side or both sides. For open-on-one-side stairs, add 1.125" to the measured length between the finished walls and order the next longest standard length or tread.

**RISERS** – The required number of risers will be one more than the number of treads chosen (do not choose a riser for the starting step).

**LANDING TREAD** – Choose enough landing tread for all landings and balconies. 5.25" landing tread is used with 3.5" newels. 3.25" land tread may be used with 3" newels.

**COVE MOULDING** – Choose enough footage to go under all landing tread and tread nosing including tread returns.

**STARTING FITTING** – Choose either a volute, turnout, or starting easing.

**STARTING NEWEL** – Choose either a volute newel or the shortest universal newel for the first floor.

**INTERMEDIATE NEWEL** – Choose the 56" intermediate landing newel for two rise applications where the newel will be draped two rises. Choose the 72" newel if more than two rises are being draped. If the intermediate newel will not be draped but is face mounted, the 48" newel may be used.

**BALCONY NEWEL** – Choose the shortest universal newel for flush mount installations or the 48" length when the newel will be draped or mounted below the floor surface.

**LEVEL RUN** – A universal newel should be used at least every eight feet of balcony run. At the corner of the balcony use a quarter turn cap over each newel. The 43" universal newel may be used for flush mounts, the 48" universal newel should be used if a draped installation is desired.

**HALF NEWEL OR ROSETTE** – For the best installation, select a half newel which matches the other newels on the job. Alternately, choose a round rosette for all level rail connections and an oval rosette for all angle rail connections.

**HARDWARE** – Choose the appropriate newel mounting hardware for each newel post.

**BALUSTERS FOR VOLUTES AND TURNOUTS** – Four or six 1.25" balusters and four or five 1.75" balusters are required under the volute. Turnouts require two 1.25" and one 1.75"

balusters. For 30" rake heights, 38" or 36" balusters under the volute and use 42" balusters under turnouts. For 34" rake heights use 42" balusters under volutes and turnouts. **Warning:** Rake heights over 36" may result in the 42" baluster not being long enough to be used under fittings.

**BALUSTERS FOR STARTING EASING WITH CAP** – Use one 38" or 39" baluster under a starting easing if your rake height is 30". Use a 42" baluster if your rake rail height is 34".

**RAKE BALUSTERS FOR 30" RAKE HEIGHTS (2-Length System)** – When using *two balusters* per tread use two 34" balusters (trim the block on the first baluster up to 4 inches to align squares with rail). When using *three balusters* on a tread use the 34" baluster as the first and second baluster and the 38" baluster as the third baluster on the tread. Trim all baluster blocks to attain correct height and alignment.

**RAKE BALUSTERS FOR 34" RAKE HEIGHTS (2-Length System)** – When using *two balusters* per tread use two 34" balusters as the first baluster and the 38" baluster as the second baluster. When using *three balusters* on a tread use the 34" baluster as the first baluster, a 38" second baluster and a 42" baluster as the third baluster on the tread. The 38" and 42" baluster will require the bottom of the baluster to be trimmed.

**RAKE BALUSTERS FOR 30" RAKE HEIGHTS (5-Length System)** – When using *two balusters* per tread use a 31" first baluster and a 34" second baluster. When using *three pin-top balusters* on a tread use a 31" first baluster, a 34" second baluster and a 36" third baluster on the tread.

**RAKE BALUSTERS FOR 34" RAKE HEIGHTS (5-Length System)** – When using *two balusters* per tread use the 34" or 36" (check Installation Guide) baluster as the first baluster and the 39" baluster as the second baluster. When using *three balusters* on a tread, use a 36" first baluster, a 39" second baluster and a 42" baluster as a third baluster on the tread.

**FITTINGS FOR LANDINGS** – Choose the correct fitting for each newel. Half newels require an opening cap which will be cut on the job.

**HANDRAIL** – Choose the appropriate lineal footage of handrail. 13" per step is the average length needed.

**SHOERAIL** – If shoerail is desired then choose the appropriate lineal footage. 13" per step is the average length needed.

**FILLET** – Fillet is shipped tacked into all plowed handrail and shoerail.

**WOOD PLUG** – A 1" wood plug is needed for each hole bored in the newel.

**DOWEL SCREW** – Where the screw method of installation is being used choose one dowel screw for each baluster except for those balusters being used in a shoerail. This is a recommended but optional method of installation.

**BRACKET** – If desired choose one bracket for each tread.



# Post-To-Post Take Off Guide

The following information will help you begin installation of a Post-To-Post Stair System. (Interior use only.) This list will allow the flexibility to comply with most building codes related to baluster spacing and handrail height. We suggest you always consult local building codes before installation begins.

**TREADS** – Excluding the starting step choose one tread for each step. Open-sided stairs require mitered return treads. Treads are available mitered on one side or both sides. For open-on-one-side stairs, add 1.125" to the measured length between the finished walls and order the next longest standard length or tread.

**RISERS** – The required number of risers will be one more than the number of treads (do not choose a riser for the starting step).

**LANDING TREAD** – Choose enough landing tread for all landings and balconies. 5.25" landing tread is used with 3.5" newels. 3.25" land tread may be used with 3" newels.

**COVE MOULDING** – Choose enough footage to go under all landing tread and tread nosing including tread returns.

**STARTING NEWEL** – Choose the 47.5" universal newel (if available) for 30" rake rail heights and the 55.5" length for 34" rake rail heights.

**INTERMEDIATE NEWEL** – Choose the appropriate second floor landing newel with an 10" or 16" top block if fittings are not being used. If fittings are being used choose a 5" top block universal newel.

**BALCONY NEWEL** – Choose the shortest universal newel for flush mount installations or the 47.5" length when the newel will be draped or mounted below the floor surface.

**HALF NEWEL OR ROSETTE** – For the best installation choose a half newel which matches the other newels on the job. Alternately, choose a round rosette for all level rail connections and an oval rosette for all angle rail connections.

**HARDWARE** – Choose the appropriate newel mounting hardware for each newel post.

**RAKE BALUSTERS FOR 30" RAKE HEIGHTS (2-Length System)** – When using *two balusters* per tread use two 34" balusters (trim the block on the first baluster up to 4 inches to

align square with rail). When using *three balusters* on a tread use the 34" baluster as the first and second baluster and the 38" baluster as the third baluster on the tread. Trim all baluster blocks to attain correct height and alignment.

**RAKE BALUSTERS FOR 34" RAKE HEIGHTS (2-Length System)** – When using *two balusters* per tread use two 34" balusters as the first baluster and the 38" baluster as the second baluster. When using *three balusters* on a tread use the 34" baluster as the first baluster, a 38" second baluster and a 42" baluster as the third baluster on the tread. The 38" and 42" baluster will require the bottom of the baluster to be trimmed.

**RAKE BALUSTERS FOR 30" RAKE HEIGHTS (5-Length System)** – When using *two balusters* per tread use a 31" first baluster and a 34" second baluster. When using *three pin-top balusters* on a tread use a 31" first baluster, a 34" second baluster and a 36" third baluster on the tread.

**RAKE BALUSTERS FOR 34" RAKE HEIGHTS (5-Length System)** – When using *two balusters* per tread use the 34" or 36" (check Installation Guide) baluster as the first baluster and the 39" baluster as the second baluster. When using *three balusters* on a tread, use a 36" first baluster, a 39" second baluster and a 42" baluster as a third baluster on the tread.

**HANDRAIL** – Choose the appropriate lineal footage of handrail. 132 per step is the average length needed.

**SHOERAIL** – If shoerail is desired then choose the appropriate lineal footage. 13" per step is the average length needed.

**FILLET** – Fillet is shipped tacked into all plowed hand rail and shoe rail.

**WOOD PLUG** – A 1" wood plug is needed for each hole bored in the newel.

**DOWEL SCREW** – Where the screw method of installation is being used choose one dowel screw for each baluster except for those balusters being used in a shoerail. This is a recommended but optional method of installation.

**BRACKET** – If desired choose one bracket for each tread.

**HANDRAIL HARDWARE** – Choose a rail and post fastener or a flush mount kit for each newel.

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