



**DETAIL OF FENCE POST INSTALLATION USING SLEEVE-IT™ 1224R  
N.T.S.**

**ASSEMBLY & INSTALLATION**

- 1. General** - The Sleeve-It™ post foundation system shall be purchased and installed by the retaining wall contractor to facilitate future fence post installation. Contractor shall verify proper spacing requirements prior to installation.
- 2. Assembly & Installation** - Refer to instructions provided with units for specific information related to the assembly of the Sleeve-It™ system and the correct installation procedure. When the segmental retaining wall has been constructed to two feet from top not including the capstone:
  - Step 1:** Prepare a level area approximately 24" wide x 36" deep behind the wall face. The prepared area should be 24" below the proposed top of wall (not including the cap stone).
  - Step 2:** Take the two sleeve halves, one front (no slots) and one back (with slots) and lay them on a level surface with the IN (smooth fingers) and the OUT (raised fingers) opposite each other. Interweave the two sleeve halves by pushing the IN finger sets under the OUT finger sets. Flip the sleeve over and follow the same procedure on the other side. Stand the unit vertically and use the two plastic ties to secure the sleeve halves into a cylindrical unit.
  - Step 3:** Place the Plastisol coated cantilever base on the prepared area with the vertical upright about 6" from the tail of the block.
  - Step 4:** Slide the sleeve over the vertical leg (the uncoated portion) with the slotted side of the sleeve facing away from the wall face.
  - Step 5:** Slip the uncoated end of each strut through the slots located in the back of the sleeve and connect them to the topmost transverse bar on the vertical leg inside the sleeve. Connect the coated ends of the struts to the coated base portion of the steel cantilever on the second transverse bar from the rear of the base.
  - Step 6:** Reposition the entire system as needed by lifting it using the top transverse bar of the vertical portion of the steel cantilever inside the sleeve after assembly. Make sure the wall batter for any remaining courses of block is accounted for when positioning the Sleeve-It™ in its final location.
  - Step 7:** Place enough 3/4" clean stone around the system to stabilize it. Set the lid in place with the handle perpendicular to the wall face. Use the handle as the center line measuring guide to ensure that the next Sleeve-It™ is placed with the proper spacing requirements as directed by the fence specifications.
  - Step 8:** When installing geogrid around the Sleeve-It™ system, slit the geogrid perpendicular to the wall face just enough to fold around the sleeve ensuring that the grid is properly attached to the wall face everywhere with the exception of where the sleeve is. This method is acceptable by geogrid manufacturers when obstacles such as fence post foundations are present.

**Important Note:** Backfill soil as prescribed by retaining wall manufacturer. Backfill material above and surrounding the Sleeve-It™ system must be compacted to a minimum of 95% of the material's maximum dry density as determined by **ASTM D-698** (Standard Proctor). Backfill and compaction within three feet of the wall face should be performed with hand operated equipment as recommended by the National Concrete Masonry Association (NCMA) SRW guidelines. Care should be taken during the first 6-8" lift to avoid affecting the integrity of the struts extending back into the backfill zone.

Repeat Above Steps for next Sleeve-It™ unit.

When installing fencing, posts must be concreted into the Sleeve-It™ cavity. Fence posts shall extend a minimum distance of 18" into the sleeve to ensure proper engagement with the Sleeve-It™ system. All posts must be on the "inboard" side of the vertical portion of the cantilever base. Do not install posts between vertical leg and wall face. Fill cavity completely with concrete. When concrete cures, topsoil or other surficial cover may be placed over the Sleeve-It™ system to create final, finished appearance.

The Sleeve-It™ product shall be evenly spaced no farther apart than 10 feet on centers in any case. Use of the Sleeve-It™ system is limited to the following fencing applications:

- 8-foot high and under chain link fences
- 6-foot high and under wood fence with gaps between boards
- 6-foot height and under ballustraded PVC, steel, aluminum or wrought iron fences.

For other fencing systems specifically not meeting these criteria, contact Strata Systems Inc., to determine suitability. **1 (800) 680-7750 or email strata@geogrid.com**

ALL material may be subject to site testing for compliance to the above specifications.

**Details from SleeveIt**

No.	Date	Revision	By



Project  
**GEO WALL STANDARD DRAWINGS**

Title  
**SleeveIt Details**

Date **7/19/11** Drawn By: **SMR**

Scale **As Noted** Sheet

The information on this drawing is for conceptual design and should not be used without the signature of a professional engineer. Details should be specific to the project and project site requirements.

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