A Time-Saving Solution for Installing Anchor Bolts

The Steel Strong-Wall® Anchor Bolt Stabilizer (SSWBS) for Steel Strong-Wall (SSW) Shearwall Anchor Bolt Templates

The SSWBS is an optional installation product that ensures correct anchor bolt location by allowing the anchors to be plumbed and secured independently of the footing rebar cage. Designed to save money and construction time, the SSWBS works with all SSW anchor bolt templates.

Two bolt stabilizers are recommended to optimize this stabilization system with each SSW anchor assembly — one at the embedded plate washer and the other above the template. At minimum, the SSWBS must be used at the bottom of the anchor bolts in order to avoid the need to tie into the rebar cage. Half-inch-diameter, T-shaped dowels (not included) are then driven down through the bolt stabilizers and into the ground to ensure plumb installation of the anchors and prevent movement during concrete placement. Immediately following concrete placement, the dowels are removed and can be reused in other locations.

Features:

- Removes the guesswork from the installation of Steel Strong-Wall shearwall anchor bolts, ensuring more consistent and efficient anchor placement and shearwall installation
- Innovative stabilizer/dowel system eliminates the need to tie anchor bolts to rebar cage for stabilization
- Saves money with reusable top anchor bolt stabilizer
- Works with all Steel Strong-Wall anchor bolt templates

SSWBS Anchor Bolt Stabilizers shown with SSWTEL (Extended Leg) Template, which allows for placement of Steel Strong-Wall shearwall flush with inside face of 2x6 framed exterior wall.

U.S. Patent 7,445,192

Note: Concrete reinforcement (i.e., rebar cage) not shown for clarity.
A Time-Saving Solution for Installing Anchor Bolts

Steel Strong-Wall® Anchor Bolt Templates Stabilizers

<table>
<thead>
<tr>
<th>Steel Strong-Wall Model</th>
<th>Width (in.)</th>
<th>Steel Strong-Wall Template Model</th>
<th>Anchor Bolt Stabilizer Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSW12</td>
<td>12</td>
<td>SSWT12</td>
<td>SSWBS12</td>
</tr>
<tr>
<td>SSW18</td>
<td>18</td>
<td>SSWT18</td>
<td>SSWBS18</td>
</tr>
<tr>
<td>SSW21</td>
<td>21</td>
<td>SSWT21</td>
<td>SSWBS21</td>
</tr>
<tr>
<td>SSW24</td>
<td>24</td>
<td>SSWT24</td>
<td>SSWBS24</td>
</tr>
</tbody>
</table>

SSWBS Anchorage Details and Installation Notes

For proper installation of the SSWBS:

- Loosen the top nut of the double nut-washer assembly at the bottom of each anchor bolt to create a ¼" gap
- Insert the SSWBS anchor bolt stabilizer into this gap on both anchor bolts so that it is resting on top of the plate washers with the opening facing away from the form boards
- Re-tighten the top-most nuts on each bolt to snug tight plus ½ turn
- Repeat for top-most nut above the SSWT/SSWTEL
- Insert ½" dowels through holes of both stabilizers and drive them into soil so that anchor bolts are plumb
- Remove dowels immediately after concrete pour (SSWBS in concrete is left in place)
- Remove SSWBS and SSWT/SSWTEL before wall installation

Steel Strong-Wall Panel

U.S. Patent 8,281,551
Canadian Patent 2,489,845

SSWBS Anchor Bolt Stabilizers shown with SSWTEL (Extended Leg) Template, which allows for placement of Steel Strong-Wall shearwall flush with inside face of 2x6 framed exterior wall.

U.S. Patent 7,445,192

Note: Concrete reinforcement (i.e., rebar cage) not shown for clarity.

Steel Strong-Wall Panel

U.S. Patent 8,281,551
Canadian Patent 2,489,845

Plan View of SSWT and SSWTEL showing shearwall and anchor bolt alignment with the different templates.

SSWT places wall flush with edge of concrete of 2x6 wall.

SSWTEL places SSW flush with the inside face of 2x6 wall.