

## **BASEMENT WALL STRAP INSTALLATION INSTRUCTIONS**

Two people are recommended for the installation. To prevent injury, always wear gloves and safety glasses.

Required tools:

- Safety Gloves
  - Safety Glasses
  - Tin Snips
  - Level
  - Hammer/Impact Drill
1. First determine if the top block is 8" in height or 4" in height.
  2. If the top block is 8" tall, secure the 4<sup>th</sup> hole from the top of the strap to the center of the top block.
  3. If the top block is 4" tall, secure the 3<sup>rd</sup> hole from the top of the strap to the center of the top block
  4. To secure the strap, mark and drill a hole into the center of the block using a 3/8" diameter masonry bit in a hammer/impact drill. Drill through the hollow portion of the block which is located to the left or right of the center of the block. Once the hole is drilled, secure the strap to the top block use a 3/8" Titen Bolt and a driver socket in a hammer/impact drill. Just snug the Titen Bolt, DO NOT OVERTIGHTEN, there is no pulling force on the bolt.
  5. Next, position the strap vertical using a level. It may be helpful to mark the base of the wall on one side of the strap to use as an alignment guide to keep the strap vertical during installation.
  6. Tension the base of the strap using your foot. A second person to drill and secure the bolts is helpful during this step. Using the pre-drilled hole in the strap, drill the next hole down from the top of the strap and the secure with another Titen Bolt.
  7. Copy steps 6 (always keeping tension on the strap) until the last hole that aligns with the bottom block is used up. Note that depending on the height of your foundation wall, some of the bottom blocks may get two bolts per block that will be located at 1/3<sup>rd</sup> locations in the block.
  8. Cut off the excess length of the strap at the base of the wall.
  9. Bend the top of the strap up tight against the rim board and secure using the pre-drill hole that aligns the best with the 1/4" diameter structural screw, Figure 1. Note that securing the top of the strap to the wood rim board helps prevent the top of the foundation wall from moving inward. If your foundation wall is just bowed and not moving inward at the top, it is not necessary to secure the strap to the rim board.

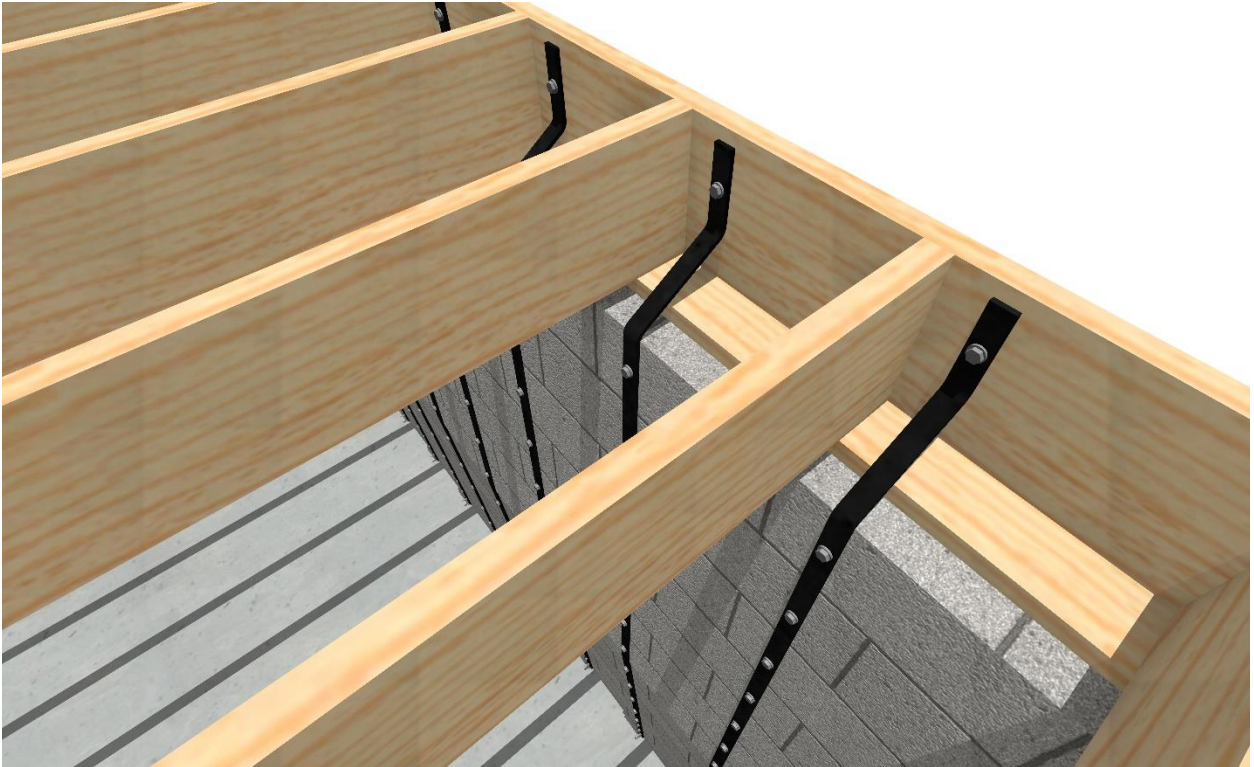


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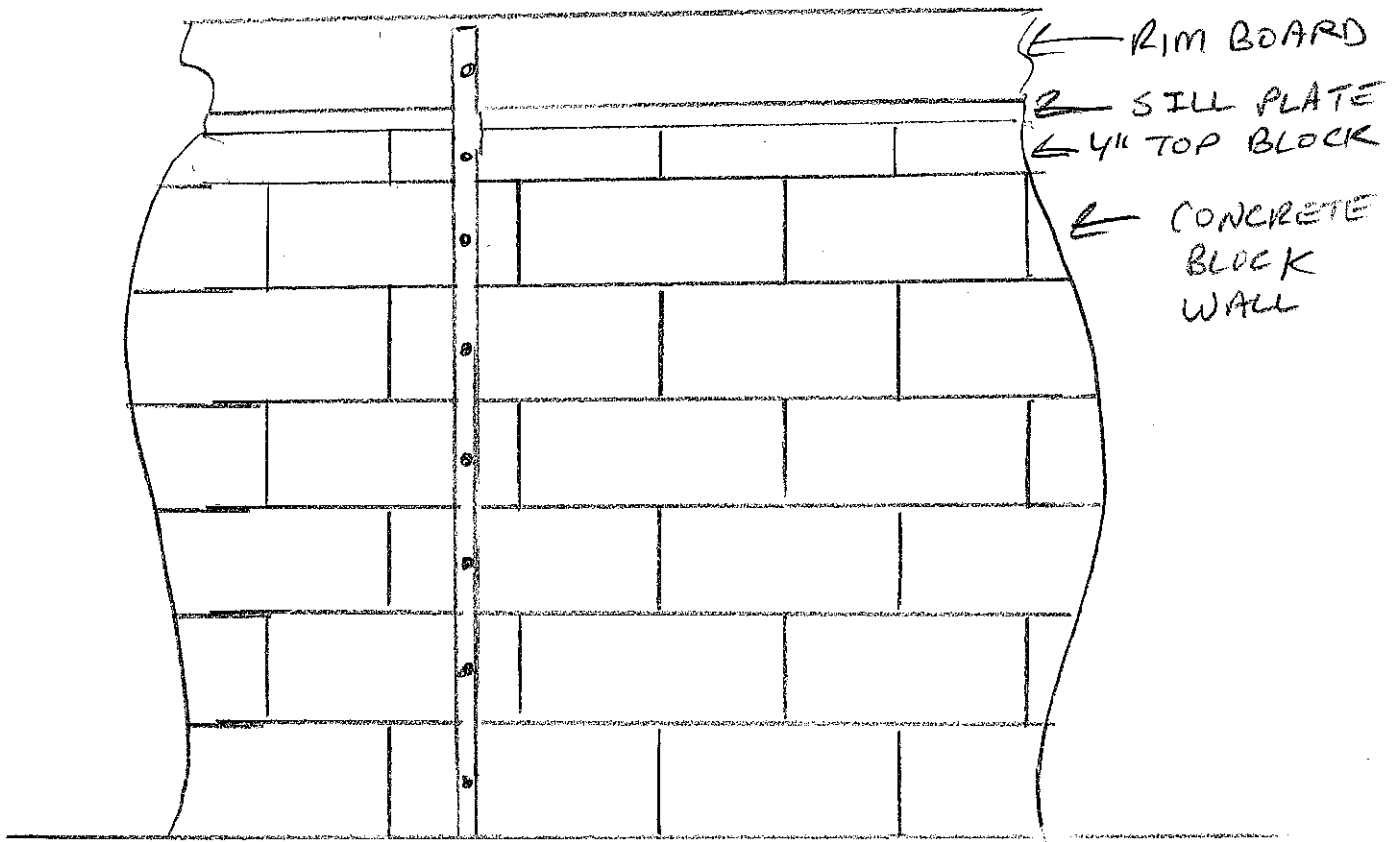
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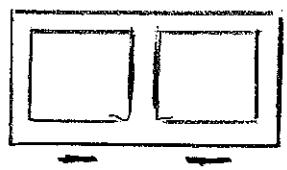
10. Cut off any excess strapping material at the top.



**Figure 1 – Securing strap to rim board**



↑ ↑ WALL STRAP  
DO NOT ALIGN STRAP ON VERTICAL MASONRY JOINT



↑ LOCATE STRAP OVER HOLLOW SECTION OF BLOCK.