

The Ultimate Crawl Space Entry System!

Installation Instructions:

Drill

The Turtl unit fits standard crawl access opening size of 24" tall x 32" wide

Also fits 16" tall x 32" wide opening when flange is trimmed along provided trim line (Fig. 1)

Main Unit Installation Kit (w/ring) Includes:

13 - 1/4" x 1 1/4" fender washers

13 - 1/4" x 3 1/4" tap cons

10 - #10 1" pan head screws

Tools Required for Installation:

6" x 3/16" Hammer Drill Bit Caulking Gun 5/16" nut driver Trowel Phillips head driver bit Level

Note: Sealants and pad lock not included.

New dwelling site preparation:

- 1) Excavate a hole for crawl unit approximately 52in X 48in X 24in, removing dirt 4" to 6" below bottom of opening. (Fig. 2)
- 2) Create crawl unit foundation with compacted granular fill and level to height of opening. (Fig. 2)
 - Proceed to Turtl Installation Step #4.

Existing dwelling site preparation:

- 1) Remove old crawl door including frame and excavate a hole for crawl unit approximately 52in X 48in X 24in, Removing dirt 4" to 6" below bottom of opening.
- Create crawl unit foundation with compacted granular fill and level to height of opening.
 - Proceed to Turtl Installation Step #4.



Shovel

Fig. 1



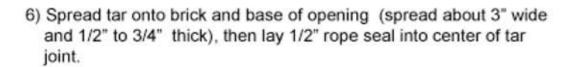
Fig. 2

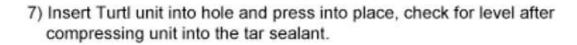


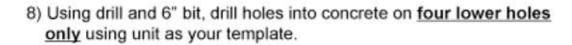
Fig. 3

Turtl Installation Steps (cont'd):

- 4) Pre fit Crawl unit into hole, align flush to building and level in all directions Note: If required - mark and remove siding material and/or add CCA treated wood shim to provide best flush fit. (Fig. 4)
- Remove unit once level, clean block with wire brush and wipe clean with rag.







- Using drill and nut driver install tap cons into 4 lowest pre-drilled holes and secure unit to block wall (upper tap cons install later).
- Drill two holes 9" from bottom leading edge in second groove from side. Use drill to install tap con and fender washer in holes. (Fig. 5)
- 11) Caulk cap groove with bead of silicone before installing to main unit with #10 pan head screws. (Fig. 6) Important: If using elevation ring(s) perform Step 11 and Step 12 for each ring prior to installing cap.
- Install lid onto main unit, hold unit in place and attach with #10 pan head screws. (Fig. 7)
- Drill holes into concrete using unit as template for lid and elevation ring(s).
- 14) Install tap cons and fender washers into lid and elevation ring(s).
- 15) Use silicone caulk above grade to seal outer edge of unit all the way around edge where it contacts side of dwelling: Use tar sealant below grade to seal edge below grade. (Fig. 8)
- 16) Back fill with granular fill starting from the back. Fill with granular fill up to 2/3 of grade, then finish last 1/3 with top soil to yard grade. (Fig. 9)



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9