

3021 Easy-Buck™/Crawl Space Door Installation Aluminum Panel Forms

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. 4' level

B. Materials List

1. Four (4) standard wall ties

C. Installation Procedure

1. Properly brace Easy-Buck™/Crawl Space Door before proceeding
 1. See 'Easy-Buck™ Wood Bracing' Tech Data Sheet
2. Layout the Easy-Buck™ location on the outside panels using the following wall tie spacing. The Easy-Buck™ is designed to be held in place with one (1) tie @ each inside corner. See '3021 Easy-Buck™ Aluminum Panels Tie Selection Chart' Tech Data Sheet for additional information.
 1. 24" vertical
 2. 36" horizontal
3. Once Easy-Buck™ location has been determined, set Easy-Buck™ over the four (4) designated wall ties on the outside wall panels.
 1. Ensure that the mounting screws are facing towards the exterior side of the foundation.
 2. Check for level, plumb, and square
4. Prior to setting inside form panels, ensure that any reinforcement around the Easy-Buck™ is not in direct contact, maintaining a minimum concrete cover of 2".
 1. See ACI 332-08 Standard, 'Requirements for Residential Concrete Construction and Commentary', for additional information.
5. Set and secure inside wall panels.

Notes:

1. The lockable access panel for the Crawl Space Door is installed from the exterior foundation side. Lock is not included with package.

3021 Easy-Buck™/Crawl Space Door Installation Wood Panel Forms

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. 4' level
2. 16 ounce framing hammer

B. Materials List

1. Twenty four (24) 16d x 2" Nails

C. Installation Procedure

1. Properly brace Easy-Buck™/Crawl Space Door before proceeding
 1. See 'Easy-Buck™ Wood Bracing' Tech Data Sheet
2. Layout the Easy-Buck™ location on the outside panels, checking for any wall tie interference. Easy-Buck™ dimensions are the following.
 1. 25.75" high x 36.25" wide inside
 2. 33.25" high x 43.75" wide outside
3. Once Easy-Buck™ location has been determined, proceed by nailing top left, exterior side corner from inside the foundation using the pre-punched hole. Pivot Easy-Buck™ to level position and nail top right, exterior side corner from inside the foundation using the pre-punched hole.
 1. Ensure that the mounting screws are facing towards the exterior side of the foundation.
 2. Check for level, plumb, and square.
 3. Complete nailing the remaining ten (10) holes in the same manner.
4. Prior to setting inside form panels, ensure that any reinforcement around the Easy-Buck™ is not in direct contact, maintaining a minimum concrete cover of 2".
 1. See ACI 332-08 Standard, 'Requirements for Residential Concrete Construction and Commentary', for additional information.
5. Set and secure inside wall panels.
6. Secure interior side of Easy-Buck™.
 1. Nail through the inside forms into the interior side of the Easy-Buck™ twelve (12) times @ the pre-punched hole locations.

Notes:

1. The lockable access panel for the Crawl Space Door is installed from the exterior foundation side. Lock is not included with package.

Easy-Buck™ Installation Aluminum Panel Forms

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. 4' level

B. Materials List

1. Four (4) standard wall ties

C. Installation Procedure

1. Properly brace Easy-Buck™ before proceeding
 1. See 'Easy-Buck™ Wood Bracing' Tech Data Sheet
2. Layout the Easy-Buck™ location on the outside panels. See 'Easy-Buck™ Aluminum Panels Tie Selection Chart' Tech Data Sheet for additional information.
 1. Ensure that the bottom of the Easy-Buck™ is not greater than 38" from the top of finished floor.
 2. Inside finished sill height may not exceed 44" from top of finished floor. See IRC-2006 R310.1 for additional information.
3. Once Easy-Buck™ location has been determined, place it against the outside wall panels, matching the top wall tie with the top wall tie slot in the jamb. Insert wall tie from exterior side of outside panel thru tie slot of jamb, securing with hardware. Repeat for lower wall tie 24" below.
 1. Ensure that the mounting screws are facing towards the exterior side of the foundation.
4. Set and secure inside form panel, matching the two (2) wall ties.
5. Prior to setting opposite side of Easy-Buck™, ensure that any reinforcement around the Easy-Buck™ is not in direct contact, maintaining a minimum concrete cover of 2".
 1. See ACI 332-08 Standard, 'Requirements for Residential Concrete Construction and Commentary', for additional information.
6. Repeat Steps 3 & 4 for opposite side of Easy-Buck™.
 1. Check for level, plumb, and square before setting last form panel.

Warning: Ensure that no rebar comes in contact with the Easy-Buck. All rebar should be held at least 2" from any surface of the Easy-Buck. A metallic path between the Easy-Buck and Easy-Well can result from rebar touching the Easy-Buck and premature corrosion of the Easy-Well can occur. Failure to ensure no rebar touches the Easy-Buck will void all warranties.

Notes:

1. Easy-Buck™ form panel requirements.
 - a. 4 Foot Easy-Bucks™ equals 54", or 36" full panel and 18" filler panel
 - b. 5 Foot Easy-Bucks™ equals 66", or 36" full panel and 30" filler panel
 - c. 6 Foot Easy-Bucks™ equals 78", or two (2) 36" full panels and 6" filler panel

Easy-Buck™ Assembly

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. Slip-joint pliers
2. 16 ounce claw hammer
3. Standard screwdriver with 3/8" wide tip
4. #3 Phillips head screwdriver

B. Materials List

1. 2" x 4" x 12" long wood block

C. Assembly Procedure

1. Separate the Head/Sill and Jamb parts. Sill is the same on both the top and bottom and has a male tab. Jamb is the same for both sides, with female slots and attached buck nuts.
2. Slightly crimp all Jamb corners on both pieces with pliers.
3. Lay Jamb on flat surface. Note location of factory 'stamp' at one end.
4. Insert tab of 'stamp' end Sill into 'stamp' end of Jamb slot at 45-degree angle. Applying downward pressure, return Sill to vertical 90 degree angle.
5. Install Sill on opposite side in the same manner, except match 'blank' end of Sill to 'blank' end of Jamb.
6. Place second Jamb on top of freestanding Sills ensuring buck nuts on both sides are facing in the same direction.
7. Using the hammer and/or screwdriver, align tab of Sill with slot of Jamb. Place the 2" x 4" block across the top of the Jamb and drive down with hammer.
8. Using the end of the 2" x 4" wood block or hammer, straighten tab back to a vertical alignment of 90 degrees.
9. Place the 2" x 4" wood block in the center tower of Jamb and butt against the Sill tab that protrudes through Jamb. Hammer top of 2" x 4" wood block until entire tab is through Jamb.
10. Be sure to look for the locking tooth on the tab which will kick out. Ensure tooth is locked in place by slightly tapping out with screwdriver and hammer. This will lock in place leaving tab vertical. Bend tab down to flat towards inside of buck.
11. Tap outer edge of Sill into place with hammer, making sure that Sill corner wrap is overlapping Jamb wrap, and Jamb wrap is channeled in Sill alignment notch.
12. Make sure you have the proper overlap and alignment of Sill and Jamb before proceeding.
13. Repeat the previous steps on the opposite end of Sill. Lift and rotate entire frame and repeat these steps again making sure all four corners are properly seated. Tighten all screws on both jambs.
14. The Easy-Buck™ is now ready for bracing.

Easy-Well™ Buck Mount

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. Cordless drill or impact gun
2. #3 Phillips bit
3. 7/16" nut driver
4. Putty knife
5. Concrete hammer drill
6. Masonry drill bit to match concrete anchor diameter
7. Nut driver or socket to match concrete anchor nut
8. 4 lb. heavy hammer

B. Materials List

1. Fender washers, 1/4"Ø x 1 1/4" outside diameter
 1. Ten (10) required for 4' tall bucks
 2. Twelve (12) required for 5' tall bucks
2. Concrete anchors with fender washers, minimum size required; 1/4"Ø x 2.5" embedment depth, wedge type or equivalent
 1. Four (4) required
3. One (1) tube of white commercial grade, exterior sealant (**optional**)

C. Installation Procedure

1. Determine finished grade. Mark location on foundation alongside outside flange of Easy-Buck™. The top of the Easy-Well™ should extend a minimum of 3" inches above the finished grade and a minimum of 10" below the bottom of the Easy-Buck™. If the Easy-Well™ will not meet these requirements, a taller unit or an extension will be required.
2. Clean both Easy-Buck™ Jamb and screws from excess concrete build up.
3. Back out nearest mounting screws on Easy-Buck™ approximately 3/4". These will be the screws located at the same elevation or higher than previously marked in **Step #1**, indicating finished grade.
4. Remove all remaining screws in the Easy-Buck™.
5. Hang the Easy-Well™ at the desired height over the two backed out screws. Ensure the well is pulled down tight until the small notch of the well flange is in contact with the mounting screws.
6. Re-install the remaining buck mounted screws with fender washers.
7. Remove the top screws and re-install with fender washers.
8. Complete installation by ensuring there are either buck mounted screws or concrete wedge anchors at the following locations:
 1. Top two (2) opposing holes of the Easy-Well™
 2. Bottom opposing holes of Easy-Well™
 3. Maximum 13.5" on center

Clear Cover

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. Plastic scraper
2. Hand brush
3. Nylon scrub brush

B. Material List

1. Windex™ or equivalent window cleaner
2. Paper towels

C. Installation Procedure

1. Clean top of safety grate. Scrape and brush off mud and jobsite accumulation.
2. Clear cover has a thin, clear protective film laminated to outside surface. This must be peeled off the cover completely.
3. Place clear cover over safety grate, ensuring back, raised lip is pulled tight against raised angle of safety grate, and sides are symmetrical. Mark locations for Velcro™ attachments on top surface of safety grate.
4. Remove clear cover.
5. Using glass cleaner and nylon brush, thoroughly clean areas on top surface of safety grate previously marked for Velcro™ attachments. Surface dry after cleaning.
6. Check that cleaned areas are completely dry before proceeding.
7. Peel off each Velcro™ strip adhesive covering from underneath clear cover.
8. Again, place clear cover over safety grate, ensuring back, raised lip is pulled tight against raised angle of safety grate, and sides are symmetrical.
9. Apply hand pressure over both Velcro™ strips to ensure an adequate bond, and leave in place a minimum of 5 minutes before removing clear cover from safety grate.



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Easy-Well™ Back Fill Requirements

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. Shovel
2. Gloves
3. Mini excavator (optional)

B. Materials List

1. Wire ties
2. Wood 2x4
3. Drain extension or 4" PVC pipe.
4. Crushed Stone #57 ¾" – 1-1/4" or equivalent.

C. Procedure

1. Depending on type of foundation drainage system used tie an extension of the drain up to the bottom of the window opening using wire and 2x4 to brace drain during back fill (if needed).
2. Fill with excavated materials on each side of the window well until dirt extends above the bottom of well creating a funnel look underneath the well.
3. Backfill with #57 stone or equivalent on both the inside and outside area of the Easy-Well™ making sure at least 24" to 36" inches of stone is placed below the well.
4. Stub the drain extension to an area 3" below the bottom of the window opening and fill with stone to the same height. NOTE: Depending on type of drain extension used a drain cap may be required in order to keep hole from becoming obstructed during back fill process.
5. Tamp dirt and stone when possible during backfill process on the exterior of Easy-Well™.

Note: Different areas of the country may have different requirements for backfill due to soil conditions and annual rainfall totals. Check with your local municipality for proper procedures for your area.

Easy Well™ Wall Mount

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. Cordless drill or impact gun
2. Tape measure
3. 4' level
4. Concrete hammer drill
5. Masonry drill bit to match concrete anchor diameter
6. Nut driver or socket to match concrete anchor nut
7. 4 lb. heavy hammer
8. Caulk gun for 10.1 ounce tube (**optional**)

B. Materials List

1. Concrete anchors with fender washers, minimum size required; 3/8"Ø x 2.5" embedment depth wedge type or equivalent
 1. Quantity required = Easy-Well™ height x 2. If Easy-Well™ is seamed, add four (4) additional anchors.
2. One (1) tube of white commercial grade, exterior sealant (**optional**)

C. Installation Procedure

1. Determine finished grade location. Mark location on foundation alongside vertical edge of rough masonry opening. The top of the well should extend a minimum of 3" above the finished grade and a minimum of 10" below the bottom of the rough masonry opening. If the Easy-Well™ will not meet these requirements, a taller unit or an extension will be required.
2. Layout locations for top anchors which will match the top opposing holes of the Easy-Well™. These two locations should be located at the same elevation or higher than previously marked in **Step #1**, indicating finished grade, since the difference between the top of the Easy-Well™ and its' top holes is 3".
3. The distance between the anchors in **Step #2** must be equal to the Easy-Well™ interior width plus 1 (i.e. 5236-60 + 1 = 53" anchor center to anchor center), or the steel safety grate and cover will not properly fit.
4. Center, left to right, and level the top anchor locations. Drill and pin these anchors according to their recommended manufacturer's instructions.
5. Hang Easy-Well™ by top opposing holes over anchors. Place fender washers and hand tighten nuts.
6. Plumb edges of Easy-Well™ flanges and scribe line.
7. Mark every 3rd hole down the sides of the Easy-Well™ starting with the top anchor. This will provide an anchor spacing of 13.5" on center.
8. Drill and set anchors with fender washers at these locations. **Note:** If the Easy-Well™ is seamed, you will need to add additional anchors just above and below seam.
9. Caulk interior flange/wall intersection @ both sides to provide finished appearance (**optional**)

Warning: When installing concrete anchors into the foundation wall, ensure that no anchors come in contact with foundation wall rebar. Failure to ensure this could cause a metallic path and cause premature corrosion of the Easy-Well.

Easy-Well™ Extension Installation

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. Cordless drill or impact gun
2. #3 Phillips bit
3. 7/16" nut driver
4. Concrete hammer drill
5. Masonry drill bit to match concrete anchor diameter
6. Nut driver or socket to match concrete anchor nut
7. 4 lb. heavy hammer
8. Caulk gun for 10.1 ounce tube (**optional**)

B. Materials List

1. Concrete anchors with fender washers, minimum size required; 1/4"Ø x 2.5" embedment depth wedge type or equivalent
 1. Four (4) required
2. One (1) tube of white commercial grade, exterior sealant (**optional**)

C. Installation Procedure

1. Remove vinyl protective strip from the top of existing Easy-Well™ by hand.
2. Check to see if the top slots (left and right sides) of the existing Easy-Well™ are fastened to the Easy-Buck™ frame by the factory provided screws. If yes, remove these two screws.
3. Wrap extension around existing Easy-Well™, dropping extension down one corrugation on existing Easy-Well™ (matching bottom male rib on interior of extension with top female rib on exterior of existing Easy-Well™). Ensure extension is in the proper orientation. Slots on flange should be facing upwards. This will provide an overall **9"** extension.
4. Once ribs of both extension and existing Easy-Well™ are fully overlapped, the top hole of the existing Easy-Well™ should line up with the bottom hole of the extension.
5. Re-install top screws in Easy-Buck™ with fender washers through the bottom hole of the extension or drill and anchor to concrete wall if Easy-Buck™ screws were not removed from Step #2.
6. Drill and anchor top holes of extension using fender washers (left and right sides).
7. Re-attach protective strip to the top of extension.
8. Caulk interior flange/buck-wall intersection and any gaps @ both sides to provide finished appearance (**optional**)

Ladder Installation

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. Cordless drill
2. 3/8" nut driver

B. Materials List

Ladder Length	Screw Quantity	Screw Type
4'	2	#14 x 1.25" non-corrosive self-drilling screw
5'	4	#14 x 1.25" non-corrosive self-drilling screw
6'	6	#14 x 1.25" non-corrosive self-drilling screw
7'	6	#14 x 1.25" non-corrosive self-drilling screw

C. Installation Procedure

1. Hook ladder over top of Easy-Well™ along rear profile. Center left to right. Make sure that the vertical flat stock is perpendicular to the Easy-Well™ ribs.
2. Attach self-drilling screws with screw gun until they make contact with ladder. **DO NOT OVER TORQUE** as this may result in the screws spinning out.



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Product Tech Data

Recommended materials, tools and installation procedures

Window Installation

(Always Use Job Specific Personal Protective Equipment)

A. Tool List (Suggested)

1. 2 lb. dead blow hammer or rubber mallet
2. Spring clamp x 4" opening
3. Putty knife
4. Nylon brush
5. 4' level
6. Short pry bar

B. Materials List

1. Trim kit (two jamb fastening strips and one head fastening strip)
2. Engineered wood fiber shims

C. Installation Procedure

1. Clean any concrete build-up and jobsite accumulation from Easy-Buck™, especially around raised tower on all four sides.
2. Check Easy-Buck™ sill for level at top of raised tower. Shim as required.
3. Remove trim kit and screen from window.
4. Check that factory installed sill trim piece is centered. If not, lightly tap with hammer to center.
5. Standing above the well on the outside, lower window into well.
6. From inside the basement, pull window over center tower of Easy-Buck™ and push down firmly in place, ensuring that the bottom of the window is resting on top of the raised tower.
7. Center window left to right.
8. Clamp right jamb of window against Easy-Buck™ approximately 18" up from the bottom.
9. Position right jamb fastening strip (ensure the strip is flush with the bottom strip).
10. Tap fastening strip with dead blow hammer or rubber mallet starting at the bottom while keeping the strip in alignment with window.
11. Repeat steps 9 & 10 on the left side of window (clamp not required on left side).
12. Clamp top of window against buck approximately 18" from right side.
13. Install top fastening strip, working from right to left, removing clamp as necessary.
14. Check window operation. Close and lock the window.
15. Re-install screen.

Easy-Buck™ Wood Bracing

(Always Use Suitable Personal Protective Equipment)

A. Tool List (Suggested)

1. 16 ounce claw hammer
2. Circular or hand saw

B. Materials List

1. Four (4) #16d x 2.5" long nails
2. One (1) 2" x 4" x 50" minimum length

C. Installation Procedure

1. Cut 2" x 4" to 48-1/4" and place vertically in center of the buck, left to right, between the raised towers of the Head and Sill.
2. Drive two nails into center of Head and into wood brace. Rotate buck and repeat, driving two nails into center of Sill and into wood brace.

Notes:

1. Easy-Buck™ must be braced prior to installation.
2. Boman Kemp offers a complete line of reusable pouring braces that are compatible with most forming systems on the market.
3. Horizontal bracing may be required under the following conditions. Please contact the main office or your local sales representative for additional information:
 - a. Wall heights > 8'
 - b. Wall placements > 7 ft/hr
 - c. Vibration depths > 4'
 - d. Cold weather concreting
 - e. Concrete mixes containing supplementary cementitious materials
 - f. Concrete slumps > 8"
 - g. Uneven placement during pumping

Easy-Buck™ Installation Wood Panel Forms

(Always Use Suitable Personal Protective Equipment)

A. Tool List (Suggested)

1. 4' level
2. 16 ounce framing hammer

B. Materials List

1. Twenty four (24) 16d x 2" nails

C. Installation Procedure

1. Properly brace Easy-Buck™ before proceeding
 - a. See 'Easy-Buck™ Wood Bracing' Tech Data Sheet
2. Layout the Easy-Buck™ location on the outside panels, checking for any wall tie interference.
 - a. Ensure that the bottom of the Easy-Buck™ is not greater than 38" from the top of finished floor.
 - b. Inside finished sill height may not exceed 44" from top of finished floor. See IRC-2006 R310.1 for additional information.
3. Once Easy-Buck™ location has been determined, proceed by nailing top left, exterior side corner from inside the foundation using the pre-punched hole. Pivot Easy-Buck™ to level position and nail top right, exterior side corner from inside the foundation using the pre-punched hole.
 - a. Ensure that the mounting screws are facing towards the exterior side of the foundation.
 - b. Check for level, plumb, and square.
 - c. Complete nailing the remaining ten (10) holes in the same manner.
4. Prior to setting inside form panels, ensure that any reinforcement around the Easy-Buck™ is not in direct contact, maintaining a minimum concrete cover of 2".
 - a. See ACI 332-08 Standard, 'Requirements for Residential Concrete Construction and Commentary', for additional information.
5. Set and secure inside wall panels.
6. Secure interior side of Easy-Buck™.
 - a. Nail through the inside forms into the interior side of the Easy-Buck™ twelve (12) times @ the pre-punched hole locations.