Buck Assembly

Build bucks for all the doors and windows as you install the forms.

Constructing your bucks out of the Universal Buck system is quick and easy.

With the Universal Buck you can build to any length and any R.O. dimension. The 8' long, modular components fit any size concrete core (4"+) in 2" increments and cut with ordinary tools.

The End Rails and Filler Pieces are slid together on the job and locked in-place with PVC cement. By staggering the joints of the End Rails and Filler Pieces, bucks of virtually any length can be assembled, making even 16' or 20' garage door openings easy to do.

Once the End Rails and Filler Pieces are locked in place with the PVC cement, the Universal Buck handles like dimensional lumber and is cut with standard tools.

Standard Webs (available from leftover/cut EPS panels on site) can slide into the rear slots on the Filler Pieces. These Webs enable the Universal Buck to be tied back into the form with Zip Ties adding stability prior to concrete placement. Similarly, once concrete is placed, the Webs anchor the entire Buck solidly into the concrete.

The Universal Buck is braced with the Corner Buck Braces. For windows, two braces are screwed into the opposite inside corners and two on opposite outside corners. After the concrete is placed and set, the metal braces are removed for re-use.

Technical Tip:
Buck Installation – Leave a small gap (about ½) between the top (header) of the window buck & the bottom of the ECO-Block course above. This allows for a slight bit of settlement while placing concrete.

You can construct your bucks from pressure treated lumber or wrap kiln-dried lumber with plastic wrap or DR Sill Seal or other barrier for all parts of the wood that will come into contact with the concrete.

If you will be constructing your bucks out of lumber follow the steps below:
Construct your bucks so their width matches or exceeds the wall width. If you are using a 6" core you will need a 2 x 12. Rip the 2 x 12 down to the exact wall width. The lintel should overlap the jambs, which will overlap the sill. The window sill is constructed from (2) lengths of 2 x 3's or 2 x 4's, or from a 2 x 12 with 3" or larger holes in it. Constructing the sill in this fashion will allow concrete to be placed through it.

- Add 3" to the width of your rough opening for the thickness of the lumber on each side (this assumes that the nominal thickness is 1 ½")
- Cut a piece of 2 x 12 to this length for the lintel.
- For the jambs, take the height of the rough opening and add 1 ½" for the thickness of one piece of lumber. Cut (2) pieces.
- Cut (2) 2 x 4's (for a window) or a single piece of lumber (for a door) to the exact rough opening width for the sill.
- Nail the pieces together with the lintel over the two jambs.
- Square the buck and attach vertical and horizontal braces to support the buck frame from concrete pressure.

Set anchor bolts in each jamb to hold the buck securely to the concrete or nail through the jamb into the concrete cavity with #20 galvanized nails prior to concrete placement.
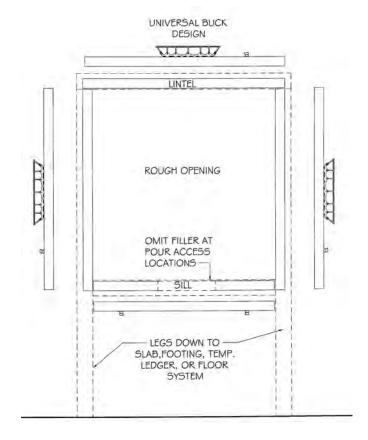
Universal Buck System
With Corner Bracing

UNIVERSAL BUCK
DESIGN

LINTEL

ROUGH OPENING

OMIT FILLER AT
POUR ACCESS
LOCATIONS

SILL

LEGS DOWN TO
SLAB, FOOTING, TEMP.
LEDGER, OR FLOOR
SYSTEM