Prebuck

INSTALLATION INSTRUCTIONS

KNOCKDOWN WINDOW & DOOR BUCK

1. PURPOSE

1.1 The purpose of this document is to establish the proper assembly and installation instructions for the Prebuck Knockdown Window & Door Buck.

1.2 The assembly and installation techniques involved may require modifications to adjust to jobsite conditions. Prebuck recognizes that site-specific conditions, weather patterns, contractor preferences, and detailing, may require deviation or alteration from these prescribed installation procedures. When such circumstances exist on a project, the local Prebuck/Tremco Sales Representative or Technical Services must be contacted for assistance and approval as required.

2. SCOPE

2.1 This document will provide the necessary instruction for the assembly and installation of the Prebuck Knockdown Window & Door Buck into an Insulated Concrete Form (ICF) wall.

3. POSSIBLE SYSTEM COMPONENTS

3.1 Prebuck Metal L Angle

3.2 Fasteners

- Wood Screws
- Framing nails
- Roofing nails/staples

3.3 Low-Expansion Spray Foam

3.4 Flashing/Sealants

4. AVAILABILITY

4.1 Prebuck Knockdown Window and Door Buck is manufactured to specification and shipped direct to the jobsite from the Prebuck manufacturing facility in Wyoming, MI.

5. HANDLING & STORAGE

5.1 While transporting Prebuck Window & Door Buck, keep the load level and covered with a weatherproof tarp, protecting the edges and ends from damage.

5.2 Store the Prebuck Window & Door Buck off the ground under roof, tarp, or wrap, protected from moisture and weather, with proper ventilation.

5.3 Store Prebuck Window & Door Buck in a flat orientation properly supported to prevent warping or deformation.

5.4 Use proper PPE when handling Prebuck LSL and Prebuck Metal L Angle

6. TOOLS

6.1 The list below is intended to provide the contractor and their workers a guide for what tools are required on most Prebuck Knockdown Window & Door Buck installations. Although not all will be necessary for every project, the vast majority are essential to achieving an efficient Prebuck installation.

- Tape measure and Marking utensil
- Hammer
- Impact Driver
- Square
- Level
- Laser Level (Suggested)
- Foam Dispensing Gun

7. PREPARATION

7.1 Establish an assembly station
- Set-up a flat, clean working surface for assembling the Prebuck Knockdown Window & Door Bucks.
- The work surface should be at a height comfortable for the individual who will be assembling the bucks.

7.2 Place Prebuck Knockdown Window & Door Bucks at a comfortable distance from the assembly station.

7.3 On the ICF wall, determine the desired sill height location and ensure all sill locations are cut level.

7.4 Install all required sill reinforcement and RPD's (Reinforcement Positioning Device) to support required jamb reinforcement.

7.5 Clearly mark the window frame edges on the foam surface. These marks can be to the window side of the frame or concrete. side of the frame depending upon the choice of full depth, partial depth, or inset bucking.

8. BUCK ASSEMBLY CONSTRUCTION

8.1 Move one (1) Prebuck Knockdown Window & Door Buck kit onto the assembly station and remove the banding.

8.2 Select one (1) jamb piece from the kit and place it on edge on the work surface.
- The dovetails shall face the concrete side of the buck assembly.

8.3 Place the head piece on edge at one end of the jamb piece with the dovetails facing the outside of the buck assembly. Align the jamb piece flush with the end of the head piece.

8.4 Secure the head piece to the jamb piece with a minimum of three (3) screws (#10) or nails (16d) equally spaced across the width of the head piece.

8.5 Follow same alignment and fastening procedure in 8.4 for opposite side jamb.

8.6 Position sill plate between the jamb plates and align the bottom (dovetail surface) of the sill plate flush with the bottom of the jamb plates.
- Note: For door buck assembly, a sill piece is not required and is not included in the Knockdown kit. Temporary bracing can be installed between the jambs to hold the buck square during installation. Ensure temporary bracing does not impede concrete flow at the door sill.

8.7 Secure the sill plate in location by fastening through the jamb plates with a minimum of three (3) screws (#10) or nails (16d) equally spaced across the width of the sill piece.
- Make sure to securely hold the jamb plates and sill plate flush during fastening.

8.8 Verify unit is square and insert temporary bracing to support the frame while installing into the ICF formwork.

8.9 Complete steps 8.1 – 8.8 for all openings located in the area to be completed in this phase of construction.

9. METAL ALIGNMENT SYSTEM

9.1 It is recommended to add the Prebuck Metal L Angle to the edges of the buck.
- The Metal L Angle will help to maintain alignment of the opening with the ICF formwork and will aide in supporting the edge of the foam during concrete placement.

9.2 Cut angle using an angle grinder with a metal cut-off disc, tin snips or other metal cutting device.
- It is recommended the metal is cut to cover the length of the board plus the end face of any adjoining lengths of board. Ex: the Prebuck sill is cut to the adjusted RO and the side jambs attach to the ends of the sill; therefore, the metal L angle should be cut 3" (76 mm) longer than that sill.

9.3 Attach metal using roofing nails or staples (1").

10. INSTALLATION PROCEDURE INTO ICF WALL

10.1 Once ICF forms have reached sill height, the Prebuck Knockdown Window and Door Buck will be installed into the wall.

10.2 Set and level the buck frame.
- Use of a laser level to set the height and to level each opening is recommended.
- Add shims as needed between frame sill and ICF fastening strips.
  - If the Prebuck Metal L Angle was installed, the buck frame can be levelled by anchoring through the metal angle into the ICF fastening strips.

10.3 Allow 1/4" (6mm) – 1/2" (13mm) space around jambs and head when installing subsequent courses of ICF to allow for any final adjustments prior to concrete placement.

10.4 Secure frame with temporary strapping to the ICF fastening strip when the sides are plumb.
- Do this prior to placing an ICF form across the head of the opening.

10.5 Spray foam all gaps around the buck; complete on all surfaces inside and out prior to concrete placement.
- When using the Prebuck Metal L Angle it is suggested to plumb and level the frame after the first full ICF course above the sill is completed. This will allow the installer to foam the gap between the buck and ICF from the cavity side of the wall. Repeat this on each subsequent course, checking the buck for plumb, level and square.

10.6 Prior to the concrete placement, ensure the buck is properly level, plumb, square, and braced internally to support the fluid pressure of the concrete.

10.7 Once sufficient concrete strength in the ICF wall has been achieved, all temporary buck bracing can be removed.

10.8 Prior to the window frame placement, Prebuck Window and Door Buck should be properly flashed and sealed in accordance with local building codes.
- Consult the Prebuck Window and Door Buck Technical Data sheet for a list of compatible sealants, flashing, and weather resistive barrier products.

11. CLEAN UP

11.1 Due to the custom design of the Prebuck Knockdown Window and Door Buck there should be no waste with this product.

11.2 Any cross-bracing materials installed during the concrete pour should be discarded or recycled per local standards.

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