

Amvic ICF Curb Detail

There are multiple ways of creating ledge support for a floor system without interfering with the vertical ICF coursing. Almost any block can be modified to create a ledge or a curb. Most commonly, regular straight or a taper top block is used. This document demonstrates the steps to creating a ledge with a double taper top block to achieve flush surface for framing above.

Step 1

ICF core size would affect the available bearing depth. It is important to choose the correct block size to ensure that the selected floor system has sufficient bearing once the ledge is created. A double taper top block can be notched on one side to create bearing for a floor while creating a concrete curb with flush surface for further installation.

Step 2

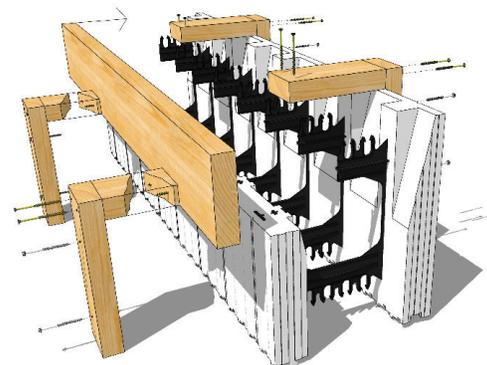
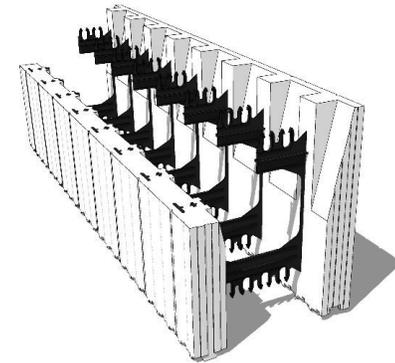
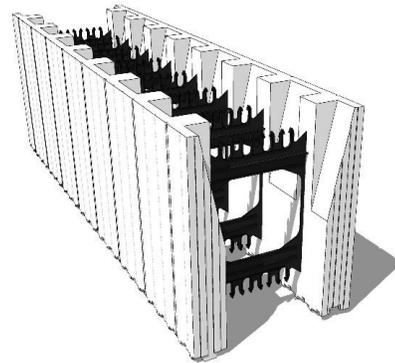
Once the ledge depth is selected, mark and rip-cut the panel using table or circular saw. The top of the webs can be cut with a handsaw at the correct depth. Block can be cut as much as 11" (279mm) either from the bottom or the top.

Step 3

Use scrap two by lumber to build formwork for the ledge. The support brackets for the ledger board can be made from 2x4" (38x89mm) lumber and spaced at 24" (610mm) on center. Each bracket should be fastened into the ICF web using a minimum of 2 Amvic's multi-use ICF Screws (or equivalent).

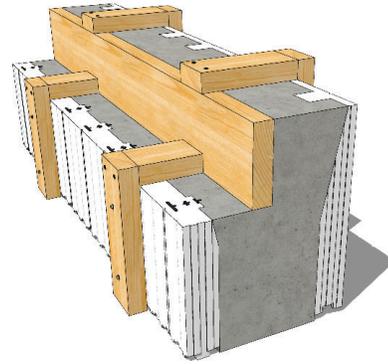
Applications

- Masonry veneer
- Precast concrete floors
- Conventional concrete floors
- Garage slabs
- Amvic Amdeck
- Wood floors
- Composite floor systems
- Beam pockets



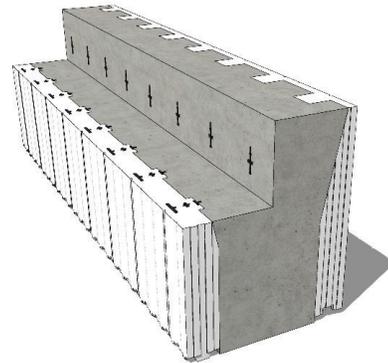
Step 4

Place concrete as per standard practice. It is highly recommended to use a mechanical pencil vibrator to ensure proper consolidation of the concrete.



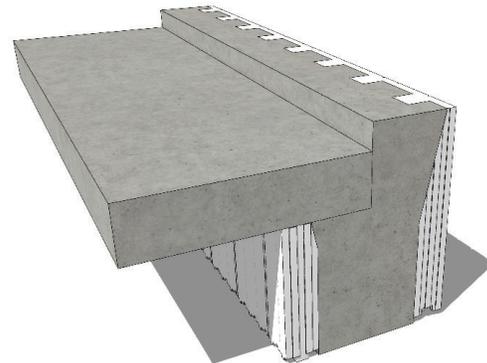
Step 5

After the concrete is sufficiently cured, remove the formwork. There is now a solid concrete ledge to support various floor systems or masonry. With a taper top block, the top surface of the curb is now flush allowing wider bearing when compared to a regular straight block (not shown).



Step 6

Install floor system (concrete slab shown).



Step 7

Install wood framing on top of concrete with proper anchoring.

