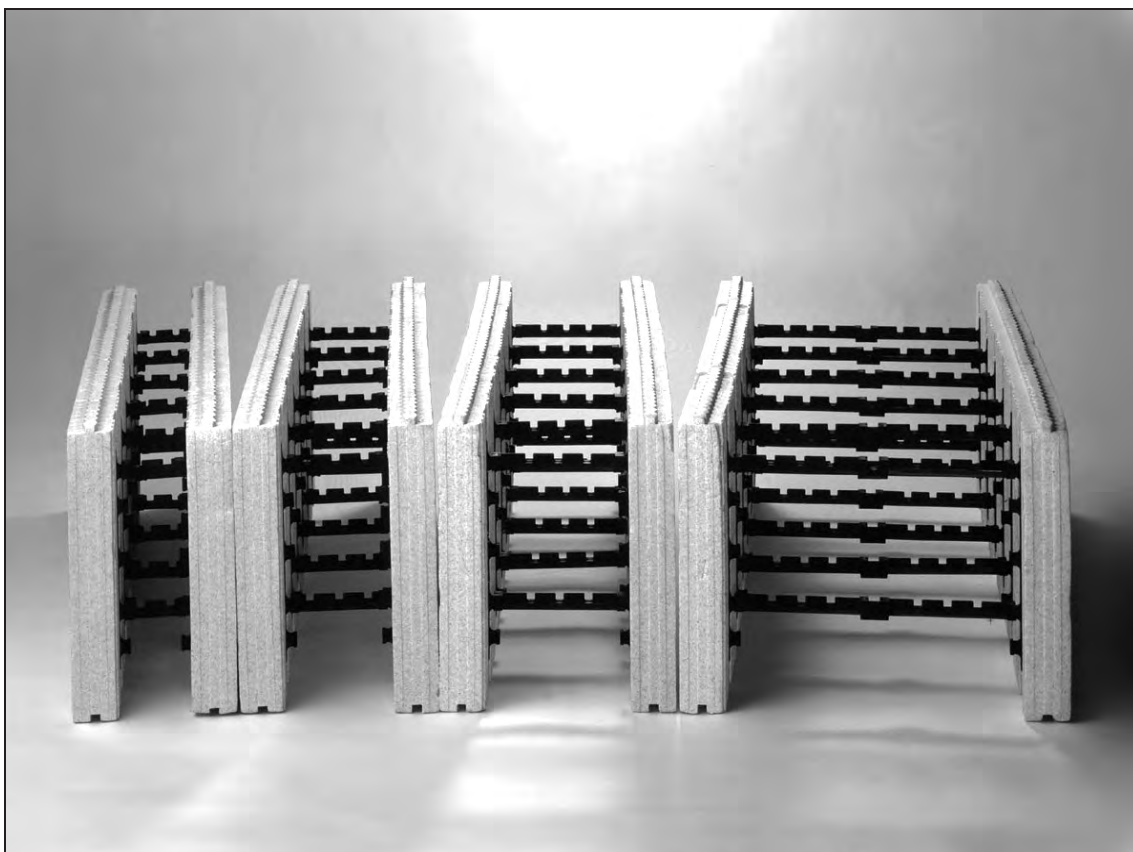




Wide Walls

It is possible to get a wall of almost any thickness by linking the standard 4, 6, 8, and 10-inch connectors with the ECO-Block connector splices. After linking connectors to the desired length, insert them into the forms following the standard procedure. Utilization of our splice connectors allows walls to be created from 4" to 24"+, in 2" increments.

Be certain to include all necessary connectors and splices in your materials estimates. Also, on walls 10 inches thick or more, connect at three locations (T's) per web. This is only necessary for courses exceeding 600pcf, or usually the first three courses. (see concrete pressures)



Technical Tip:

When creating a wall greater than 12" please contact your Regional Sales Manager or the ECO-Block office for specific instructions.



T-Walls

With the ECO Block System, T-wall intersections are easily and quickly accomplished. A “T” wall occurs when one wall has a second wall adjoin it in the middle of its run.

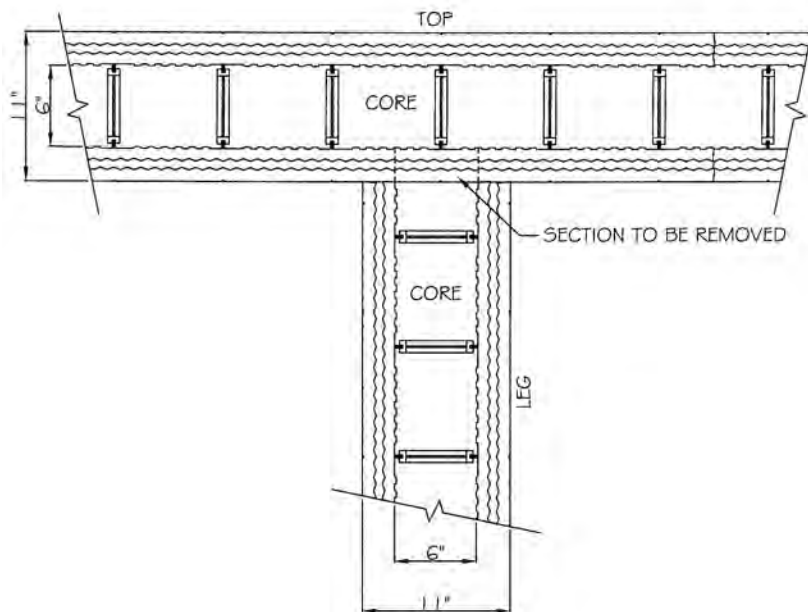
To build a T-wall, place the first block of the wall that forms the *leg* of the “T” against the wall forming the *top* of the “T”. Mark the panel of the *top* of the ”T”, indicating where the concrete core of the *leg* wall will be. This is the section that needs to be cut and removed.

Should the concrete core of the *leg* wall occur where a web is positioned in the *top* wall, cut and remove this section of panel including the web. This situation is why we have the Tie Anchor to tie the outside of the removed web to the webs in the *leg* of the “T”.

Assembly

If the *leg* wall core occurs between the webs of the *top* wall, simply butt the forms together and use (2)-36” ECO TIES around the connectors of both walls to pull the walls together.

If the *leg* wall core occurs where a web has been removed, use (2)-Tie Anchors attached to the second and fourth positions of the remaining web in the *top* wall. Use (2)-36” Zip Ties to pull the walls together by slipping an ECO TIE through each of the Tie Anchors and around the connectors of the *leg* wall.







Technical Tips:

Remember the “4 BAR” rule. If a cut leaves more than 4 bars showing past a web, additional shoring should be installed prior to placement of concrete.

Use caution when tightening the ECO TIES. It is possible to pull the outer panel of the “top” leg wall in too far. Properly tightened, there should be no more than 1/8” of inward deflection.

Place rebar as specified!



45° Corners

The 45° panel connector is an excellent way to create 45° corners on the job site. The connectors are available for use with the Standard System (2 ½” thick) and the Commercial System (2” thick)

The 45° panel connector has been designed to eliminate mitering on the job site. Simply slide the panel connector over the end of the standard panel and instantly the 45° corner has been created. When creating the inside corner, make sure to line up the webs – some cutting will be required.

The 45° panel connector has “teeth” allowing it to grip the panels, however installing additional strapping to prevent a weak spot during concrete placement is a good idea.

The illustration below depicts one possible method of reinforcement. The use of zip ties will also provide additional strength to the corner when placing concrete.

