



# 26' GROWING DOME FOUNDATION WALL INSULATION

## CUTTING THE WALL SECTION INSULATION PIECES

See the “Rigid Foam Insulation Layouts” Diagram 14-D1 for specific lengths, quantities, and cutting layouts. Mark a sheet of rigid foamboard with the appropriate measurements per the layout. If cutting another sheet with the same pattern, set the circular saw blade depth so that it cuts into the panel below it. This way you only need to measure and mark the top piece. Make sure the stack of foamboard sheets is on a flat surface when cutting. If the foamboard bends or sags while cutting, it tends to trap the saw blade which will heat the blade and can cause the blade to melt the foamboard.

***HINT:** When cutting the foamboard, cut it in an area that can be easily swept up as it tends to make a mess. Also do not cut it near any polycarbonate panels as the poly may still have a considerable amount of static electricity and can attract foamboard “bits and pieces”.*

Install cut foamboard insulation into the appropriate spaces between the studs. Starting at the center stud and going out toward the end of the wall section, slide the cut foamboard into the space behind the rebar used to anchor the wall section to the ground if you used the gravel ring foundation. Then ‘pop’ it into place. If the cut foamboard is prevented from ‘popping’ into place because of the bolt attaching the base plate to the top plate of the wall section, simply use a saw or knife blade to cut a small slit in the foamboard which should allow the insulation section to ‘pop’ in. See “Foundation Wall Insulation” Video 14-V1. For interference caused by the tops of expansion bolts used in concrete pier or ICF foundations, use the same technique to cut a small slit in the bottom of the foamboard. The idea is to have the foamboard fully recessed against the inside of the siding.

For the two pieces needed to insulate the narrow sections on either side of the door, use duct tape to tape offcuts together and cut to the appropriate height and width. If after installing all the pieces you find any gaps remaining, use the spray foam provided to fill the gaps. Careful with the spray foam. It tends to ‘swell’ in place and does not ‘wipe off’.