

## **D.9 GABLE END WALLS**

PolySteel provides superior strength and insulation from the footing to the roof line. Accordingly, constructing a gable end for the roof is often desired to provide these benefits. Cutting PolySteel Forms to achieve this result is a simple process, and placing concrete into the gable can be accomplished with a few additional considerations.

### **D.9.1 CONSTRUCTION.**

The marking and installation of a gable end wall is similar to the recommended method of trimming the top of any PolySteel wall (Section C.15).

1. Determine the pitch of the roof line so that you can accurately mark the angle of the gable end wall.
2. Stack, but do not glue, the gable wall forms in a rough pyramid shape (“wild”) sufficient to cover the area to be trimmed.
3. Snap a chalk line on the wall forms at the proper angle to mark the top of the gable end wall.
4. Remove the forms from the wall and cut each one along the chalk line.
5. Re-install the forms on the top of the wall and clip or glue them in place.
6. Brace the wall in accordance with Section C.10 of the Manual. And keep bracing in place until the roof system is attached.
7. Optional: Install a cap of VBuck to the top of the wall and cut concrete placement ports, to help keep the concrete in place during the pour.

***Tip:*** *If you have pre-engineered roof trusses, you can brace the gable end by attaching a truss on each side of the wall and screwing it to the attachment studs.*

*Be sure to brace the wall for plumb with intermediate braces.*

***Tip:*** *If your job site provides sufficient workable space, you may want to assemble the gable wall on the ground (Steps 2-4), and install the gable end at the top of the end wall as one unit.*

***Tip:*** *To minimize waste, use the scrap from the forms cut from one side and reverse them to use on the other side. The angle of the pitch will be the same, however, you will want to trim these pieces to make sure that your attachment studs line up with the rest of the wall.*



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### **D.9.2 CONCRETE PLACEMENT.**

The placement of concrete in a gable end wall is much the same as any PolySteel wall. However, you might want to pour a lower slump concrete (e.g. 3” to 4”) as you reach the top of the wall, and trowel it off as you progress towards the peak.