Eight parts down and ten to go! By now, you should be familiar enough with the process of either taking measurements from the building plans or using the actual-size templates to mark your cuts and locations for drilling, so let’s jump right back in.

This chapter will walk you through the cutting and drilling of the next six pieces. Remember to go slow and check your measurements before performing any cutting or drilling. You’ll be passing the halfway point when it comes to finishing up the plywood pieces for your 3D printer, so take your time and avoid mistakes.

Upper Structural Sides – Parts F and G

Parts F and G are identical with no counterbores required; this means you can easily drill the holes in both pieces if you properly clamp or tape them together before drilling. Mark one of the parts (Part F in Figure 8-1 below) using a center point punch or other sharp object where you need to drill.

Figure 8-1 shows Parts F and G taped together (with double-sided carpet tape) with the actual-size template cut out from the building plans and taped to the surface of Part F.
Figure 8-1. Parts F and G will be drilled simultaneously using the actual-size template.

Figure 8-2 shows the 1/4” holes drilled all the way through Parts F and G. All that’s left is to drill the 7/16” holes for the barrel nuts and the 1/4” holes along the edges. Note that we’ve used a pencil to mark where additional cuts will be made.