

RPO 3' Driveway Quarter Pipe

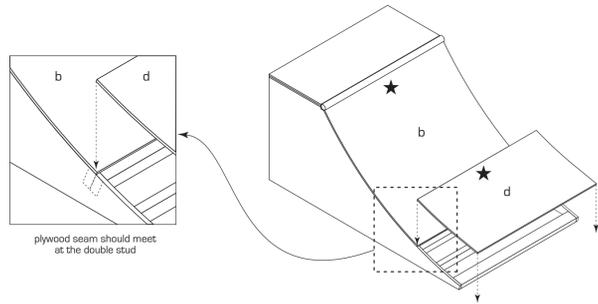
DISCLAIMER
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Step 7

scale: 1/2" = 1'

Attach first surface layer. Now it's time to begin adding the surface. From your pre-cut wood pile, first attach piece "b", the first of the two 48" x 48" cut sheets. Attach this piece snugly against the coping; use five 1-1/4" screws per stud to secure the plywood piece to the frame assembly. Begin with the top most row of screws, near the coping, and square the sheet up as best you can, then work your way down adding screws to each stud. **Make sure the star is in the correct orientation from the cut diagram!** This alignment ensures the plywood will bend easily!

After securing plywood piece "b", attach plywood piece "d". Again, use five 1-1/4" screws per stud to secure the plywood piece to the frame assembly. **The seam between these two plywood pieces should join directly over the double stud as shown.**



scale: 3" = 1'

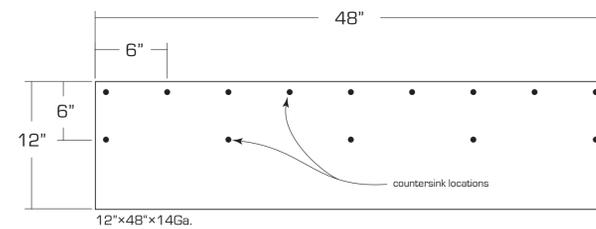
Ground Threshold Detail. The 1/2" plywood piece "d" should lay nicely on top of the ground.

Step 9

scale: 1-1/2" = 1'

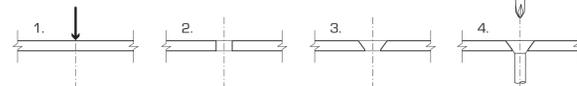
Prepare metal threshold plate. Before attaching the metal plate to the ramp, you will first need to pre-drill holes and countersinks so that the screw heads lay flush with the metal. This is a very easy process! You will need your 3/16" drill bit and your #10 countersinking bit.

Begin the process by marking the location of the countersinks. Evenly space out an ample amount of countersinks along one edge of the metal plate; eight or nine holes spaced 6" or less apart from one another should be enough. This row should be located about an inch from one of the long edges of the metal plate. Next, add a few more holes about four to six inches away from the previous row. This row does not require as many holes; five holes spaced about 12" apart will be fine. See the drawing below as an example.



Follow these steps to Pre-Drill the holes in the Metal Plate:
1. Use a drill tap to make a small indentation where the hole will be drilled.
2. Use a 3/16" drill bit to drill all the way through the steel.
3. Use a 1/8" to 3/8" (#10) countersink bit to bore out space for the screw head.
4. The screw head should fit flush (or slightly below) the surface of the metal plate.

scale: 1" = 1'



Do not drill all the way through the metal plate with the countersink bit!

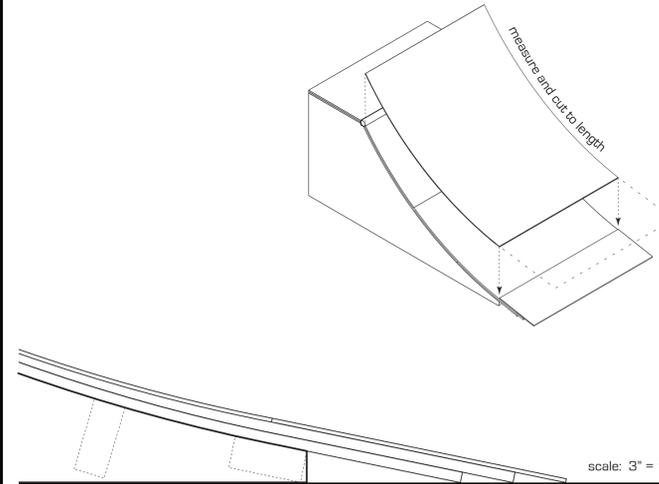
Step 11

scale: 1/2" = 1'

Attach the final surface. With the plate securely fastened, it is time to add the final riding surface!

First, lay the full sheet of masonite or hardboard (or whatever riding surface you've chose) on top of the ramp. Fit the sheet flush with the coping and let it run out past the metal plate. Make a mark where you need to cut the full sheet down to size.

Once measured carefully and cut to length, use five 1-1/4" screws per stud to secure the riding surface to the frame assembly. **You may need to slightly countersink the holes for a flush surface. This is your judgement call!**



scale: 3" = 1'

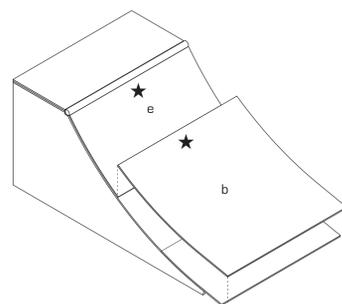
Ground Threshold Detail. All layers should feather out nicely to meet the ground.

Step 8

scale: 1/2" = 1'

Attach second surface layer. Next, attach the second surface layer. From your pre-cut wood pile, attach piece "e", attach this piece snugly against the coping; use five 1-1/4" screws per stud to secure the plywood piece to the frame assembly. Begin with the top most row of screws, near the coping, and square the sheet up as best you can; then work your way down adding screws to each stud. **Make sure the star is in the correct orientation from the cut diagram!** This alignment ensures the plywood will bend easily!

After securing plywood piece "e", attach the remaining plywood piece "b". Again, use five 1-1/4" screws per stud to secure the plywood piece to the frame assembly.



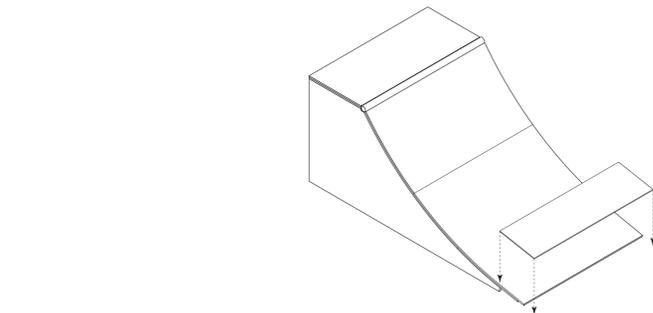
scale: 3" = 1'

Ground Threshold Detail. The next 1/2" plywood piece "b" should lay nicely on top of the first layer and the ground. **If a gap remains after this step, between the top-most layer and the ground, you probably misplaced the small rectangular pieces!** Make sure the threshold looks like the diagram above, or you will have problems attaching the metal plate!

Step 10

scale: 1/2" = 1'

Attach metal threshold plate. Once the countersinking is complete, it is time to attach the plate to the ground threshold of the ramp. Align the metal plate so it sits squarely on top of the quarter pipe and flush with the ground. See the lower diagram for an example. Attach the metal plate using 1-1/4" screws through all the pre-drilled countersinks.



scale: 3" = 1'

Ground Threshold Detail. The metal plate should be flush with the ground. Make sure this is true before securing it to the ramp.

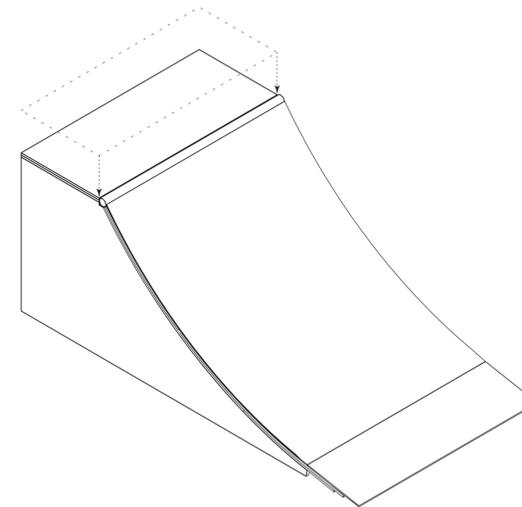
Step 12

scale: 3/4" = 1'

Completion! Your Quarter Pipe is now ready to ride! However...

You can use the remaining material from the riding surface to finish the deck. Some prefer this, some do not. It's up to you!

Happy Riding!



Send in photos of your ramp to Ramp Plans Online! We will showcase every single ramp!
Attach your photos and send an email to rampplansonline@gmail.com