1. Close up of hinges and arch
2. Top view of Dogge Ramp™
3. Bottom view of Dogge Ramp™
3/8 INCH PLYBOARD FLOOR
FOLDING DOG RAMP PLANS
THE DOGEE RAMP™
RAMP CLOSED PROFILE

RAMP OPEN PROFILE

SUBSTITUTE WITH EQUIVALENT IF NEEDED

1. Draw all screws and show:
   - Ramp closed angle appx 4 degrees
   - Saw cut rails 4" from ends - see details
   - Place rails so that they touch with ramp open
   - Angle cut rails 3/32" bottom to top - see details

INSTRUCTIONS:
ATTACH HINGES AFTER CUTTING RAILS
AND PLACING TOGETHER

IMPORTANT DIMENSIONS
- ANGLE CUT RAIL ENDS 3/32"
- ANGLE CUT RAIL ENDS 3/16"
- 3/4" STAPLES OR CRAFT TACKS
- 5/8" STAPLES OR CRAFT TACKS
- CROSS MEMBER OFFSET CROSS MEMBERS AS SHOWN
- CUT ENDS OF 2X2 AS SHOWN
- MOVE THEM 3/16"

FOR BARREL TO SEAT
SHOULD BE APPROX 3/8" GAP
PLACE CROSS MEMBERS TOUCHING HINGE BARREL

2) THEN EXTEND AN ADDITIONAL 3/16"
1) CUT RAILS 3/32" AS ABOVE

RAIL CUT DETAIL HINGE END PROFILE

RAIL CUT DETAIL HINGE END PLAN VIEW

BEYOND END OF CROSS MEMBERS
EXTEND EACH RAIL 3/16" (CUT END)

BEYOND END OF CROSS MEMBERS
EXTEND AN ADDITIONAL 3/16"

RAIL
O
RAIL
O
O
O
MEMBER
MEMBER
CROSS

HINGE PLACEMENT

HINGE
BARREL

3/8" GAP

HINGE
BARREL

1.5" X 3.5" HINGE

3/8" CROSS MEMBER

2X2

FLOOR

BEYOND RAILS
EXTEND CUT RAIL ENDS 3/8"
RAMP ASSEMBLY STEPS

1. Sand wood as desired prior to assembly.

2. Plywood hinge and members are stronger than commercial 1/3" pine board members.

3. To minimize splitting, pre-drill screw holes about two-thirds of the length of each screw with a 1/8" drill bit.

GENERAL NOTES

2. Carpet should be lapped over the ends of the ramps.

1. Pull carpet over the plywood and fasten. Make sure there are no sharp edges your dog will step on.

INSTL THE CARPET

1. Check for screw ends protruding, file as needed.

6. Check to ensure the 3/8" gaps are still present.

2. Support the frame in the bridged position, then screw the other half of the hinges into the second frame.

4. Push the frames together so that the 2x2" rail ends are flush. The frames will have a slight upward angle.

3. The next step is tricky but crucial for proper operation of the doggie ramp:

2. This should create a 3/8" gap between the two halves of the ramp, only then screw the frame together.

1. Extend the bottom ends of the rails 3/16" beyond the end of the plywood - See Detail Sheet.

BUILD THE FRAME

1. Angle cut 4 at the 2x2" rails at the bottom ends as shown on the DETAIL drawing sheet.

6. Cut two pieces of 3/8" plywood 16" or 18" by 3 feet (36 inches) long (anywhere from 12 to 15 inches wide, your choice).

5. Cut two pieces of 3/8" plywood 16" or 18" by 3 feet (36 inches) long.

3. Cut 2 - 1"x12" end members 16" or 18" long.

2. Alternatively, cut 16" or 18" hinge cross members out of 1"x3" board.

4 cut 4 - 3" wide by 18" or 16" long strips depending on the ramp you are building.

1. Cut two 2x2" Rails 36" long.

CUT THE WOOD
Instructions:

1. Clamp, mark, drill, and screw hinges in place.
2. Make sure hinges open so their touch with ramp open.
3. Adjust ramps to leave a 3/8" gap. Enough to allow for hinge barrels.
4. Screw cross members in place.
5. Screw rails in place.
6. Drill holes with 3/32" B.T.
7. Allow rails to extend 3/16" over hinge end.
8. Allow and clamp rails in place.
9. Cut 2-1/6 X 8" plywood sheets.

See details regarding rail ends and placement.

Import: 8" cap between ramp rails.

Cross members:
- 2 - 3" X 3/8" plywood.
- 2 - 3" X 3/8" plywood.

Instructions:

1. Clamp, mark, drill, and screw hinges in place.
2. Make sure hinges open so their touch with ramp open.
3. Adjust ramps to leave a 3/8" gap. Enough to allow for hinge barrels.
4. Screw cross members in place.
5. Screw rails in place.
6. Drill holes with 3/32" B.T.
7. Allow rails to extend 3/16" over hinge end.
8. Allow and clamp rails in place.
9. Cut 2-1/6 X 8" plywood sheets.
Instructions:

- Cut 2-1/8"x36" plywood sheets
- Screw rails in place
- Screw cross members in place
- Screw rails together with 3/32" bolts
- Pre-drill holes in staggered pattern, 5/32" bolt
- Allow rails to extend 1/16" over hinge end
- Align hinge cross members and clamp in place
- Align cross members and screw in place
- Place rail and screw in place
- Minimum 1 screw per rail

Notes:

- Set details regarding rail ends and placement
- 3/8" gap between 2x2 rails
- 2 x 2x2 plywood
- Cross members
- 2 - 3/4"x8" plywood
- Min 12 screws per brace
- 2 from edge
- 2 from edge
- Offset hinges
- Approx. 3/4" apart
- 4 screws per 1x2"
### Ramp Quantities

**Notes Regarding Materials and Costs:**

- 1/4"X4X8 plywood = $1.97
- 2/4"X4X8 plywood = $1.88
- 2/8"X4X8 RDP Shiplap = $2.12
- 1/2"X4X8 OSB = $0.96
- 1/2"X4X8 OSB = $0.68
- 1/2"X4X8 OSB = $0.69
- 1/8"X2X4 Hardboard/fibercement board = $2.81

**Sample Costs of Some Standard Wood Product Sheets:**

- Plywood and other flooring material costs:

<table>
<thead>
<tr>
<th>Material</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Total Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;X4X8 plywood</td>
<td>144</td>
<td>$1.97</td>
<td>$283.52</td>
</tr>
<tr>
<td>2/4&quot;X4X8 plywood</td>
<td>126</td>
<td>$1.88</td>
<td>$238.08</td>
</tr>
<tr>
<td>2/8&quot;X4X8 RDP Shiplap</td>
<td>120</td>
<td>$2.12</td>
<td>$254.40</td>
</tr>
<tr>
<td>1/2&quot;X4X8 OSB</td>
<td>100</td>
<td>$0.96</td>
<td>$96.00</td>
</tr>
<tr>
<td>1/2&quot;X4X8 OSB</td>
<td>100</td>
<td>$0.68</td>
<td>$68.00</td>
</tr>
<tr>
<td>1/2&quot;X4X8 OSB</td>
<td>100</td>
<td>$0.69</td>
<td>$69.00</td>
</tr>
<tr>
<td>1/8&quot;X2X4 Hardboard/fibercement board</td>
<td>100</td>
<td>$2.81</td>
<td>$281.00</td>
</tr>
</tbody>
</table>

---

*For a complete list of materials and costs, please refer to the spreadsheet provided.*

---

*The standard ramp*