1. View of hinges and arched join
2. View of completed Dogge Bridge™ - top side
3. View of completed Dogge Bridge™ from underneath
DRAWING INDEX

SHEET 8
RAMP ASSEMBLY STEPS

SHEET 7
RAMP QUANTITIES

SHEET 6
DETAILS

SHEET 5
SECTIONS

SHEET 4
PROFILES

SHEET 3
PLAN MOD 1

SHEET 2
PLAN VIEWS

SHEET 1
TITLE SHEET

SCALE: VARIES BY SHEET
UNITS: ENGLISH INCHES/FEET
**NOTES REGARDING MATERIALS AND COSTS:**

- 1/4"X.08" Poplar = $19.97
- 1/4"X.06" OSB 1/0 = $24.98
- 1/2"X.60" RD Studding = $11.44
- 1/2"X.60" OSB 1/0 = $27.68
- 1/4"X.06" Poplar = $13.61

1/4"X.06" Hardboard/Particle Board = $2.61

**SAFETY COSTS OF SOME STANDARD WOOD PRODUCTS SHEETS:**

<table>
<thead>
<tr>
<th>Material</th>
<th>Cost</th>
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<tbody>
<tr>
<td>plywood</td>
<td>$12.00</td>
</tr>
<tr>
<td>other flooring material</td>
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**THE STANDARD RAMP**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Fascia boards</td>
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</tr>
<tr>
<td>Trusses</td>
<td>10</td>
<td>$20.00</td>
</tr>
<tr>
<td>Framing</td>
<td>10</td>
<td>$10.00</td>
</tr>
<tr>
<td>Flooring</td>
<td>10</td>
<td>$12.00</td>
</tr>
<tr>
<td>Roofing</td>
<td>10</td>
<td>$12.00</td>
</tr>
<tr>
<td>misc.</td>
<td>10</td>
<td>$10.00</td>
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</tbody>
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**DOOR BRIDGE QUANTITIES**

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Total</td>
<td>10</td>
<td>Pre-cut, Pre-drilled</td>
</tr>
</tbody>
</table>

**CONSTRUCTION COSTS:**

- Labor: $25.00
- Material: $30.00
- Total: $55.00
RAMP CLOSED PROFILE

RAMP OPEN PROFILE

INSTRUCTIONS:

DRAWN WITH SCREWS ARE SHOWN. SAW OUT RAILS 6" FROM ENDS - SEE DETAILS.
PLACE RAILS SO THAT THEY TOUCH WITH RAMPS OPEN. ANGLE CUT RAILS 3/16" BOTTOM TO TOP - SEE DETAILS.

SUBSTITUTE WITH EQUIVALENT IF NEEDED.
Instructions:

For 2’x4’ Sheet

Cutting Plan

Place braces as needed to support floor.

Space between braces shown as approximate.

Attach floor to braces.

Place one 1’x1’ sheet adjacent.

Place one 2’x4’ sheet on cross members as shown.

Cut 2’x4’ sheet as shown.

This modification pertains to flooring and bracing for their Flooring only.

Panels join.

3’

35 1/3’x16’

18’
**INSTRUCTIONS:**

- **TOP PLAN VIEW**
  - Place floor boards so they touch.
  - Place plywood so edge is flush with 1/4" from each end.

- **BOTTOM PLAN VIEW**
  - Cut all cross members and place rails.
  - Allow rails to extend 3/16" over hinge end.
  - Cross members and rails and cross members.

- **IMPORTANT NOTE:**
  - Adjust frames to leave a 3/8" gap enough to snuggly fit hinge barrens.
  - Make sure hinges open all the way for folding.
  - Screw rails in place to cross members.
  - Screw-drill screw holes with 3/32" drill.

- **CLAMP IN PLACE**
  - Clamp all frames and screws in place.
  - See details sheet for how to cut, align, and place rails.

**NOTE:**
- Allow for 1/32" between each frame.
- Adjust frames to leave a 3/8" gap enough to snugly fit hinge barrens.
Attach hinges after cutting rails.

1. Cut rails 3/16" long.
2. Then extend an additional 3/16".

Extend each rail 3/16".

Rails cut and placed together.

2 X 3s touching hinge barrel.

Should be approx 3/8" gap.

Hinge placement.

Hinge barrel.

Rail cut detail ramp end.

Sheet details.
2. Sand wood as desired prior to assembly.

1. 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 humped over the ends of the ramps.

INSTALL THE CARPET

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

2. Take care to slide the plywood up to the joint and make sure it’s flush when you open the ramp.

3. Be sure to place floor boards so they are touching to avoid puncturing – See Sheet 2.

4. Screw the plywood to the cross members. Pre-drilling required for Hardboard/Particleboard floors.

FIT THE FLOOR

1. Fill the plywood into each frame. Check for protruding screw ends. File as needed.

2. Drill holes for the screws for the 1x2 cross members. Then attach them.

3. Support the frames in the bridged position, then screw the other half of the hinges into the second frame. The frames will have a slight upward angle.

4. Push the frames together so that the 2x3 rail ends are flush. The frames will have a slight upward angle.

5. The next step is tricky but crucial for proper operation of the doggie bridge. This should create a 3/8" gap between the two halves of the ramp. Only then screw the frame together.

BUILD THE FRAME

1. Extend the bottom ends of the rails 3/16" beyond the end of the plywood. See detail Sheet 8.

8. Angle cut 8' off the 2x3 rails 3/16" at the hinge ends as shown on the DETAIL drawing sheet.

6. Cut two pieces of plywood 15" by 36" for the two 2x2 cross members 18" long.

5. Cut two pieces of plywood 15" by 36" for the 2x4 sheet.

4. Cut two pieces of plywood 15" by 36" for the 2x4 sheet.

3. Cut two 2x2 ends 18" long.

2. Cut two 2x3 rails 36" long.

1. Cut the wood.

RAMP ASSEMBLY STEPS