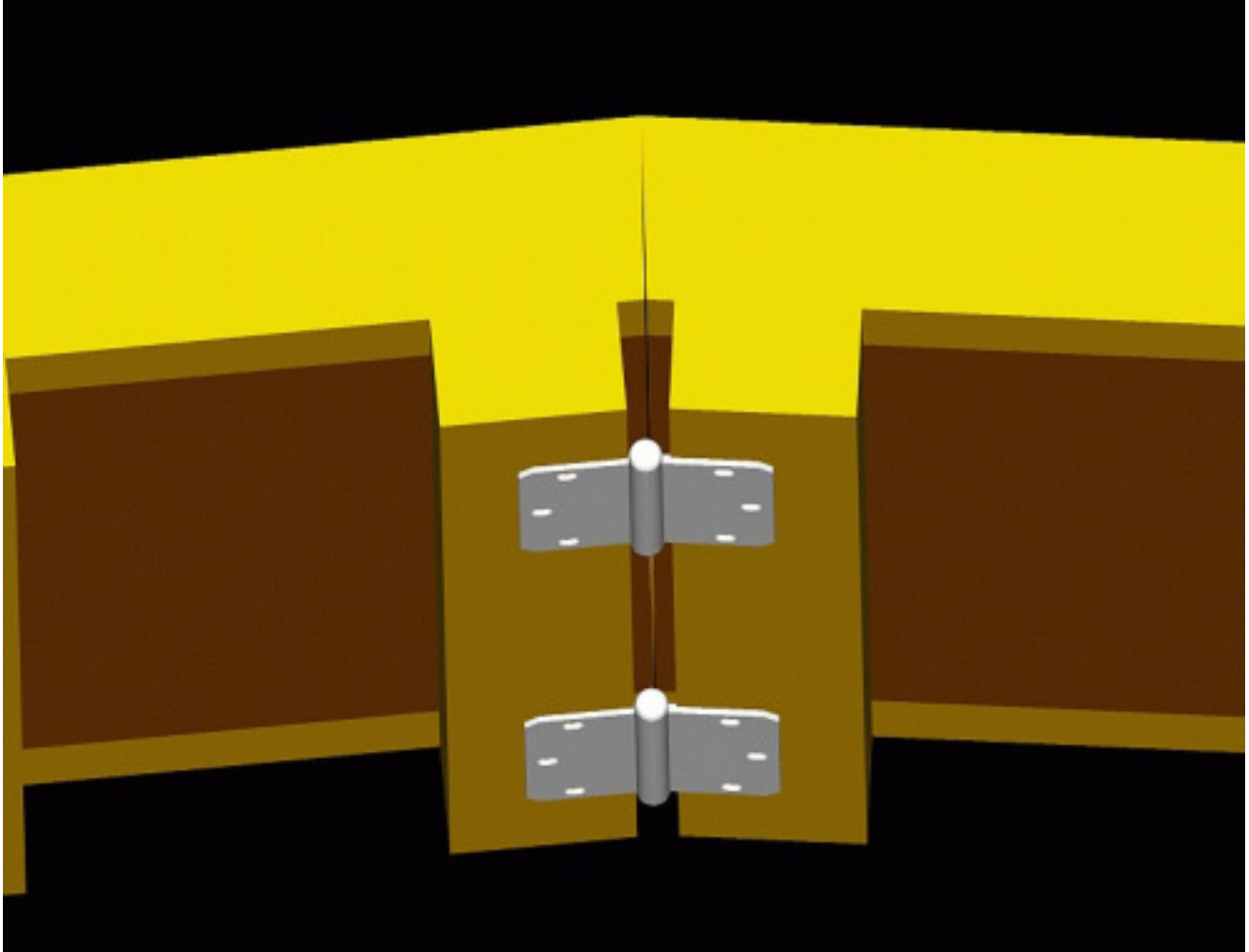
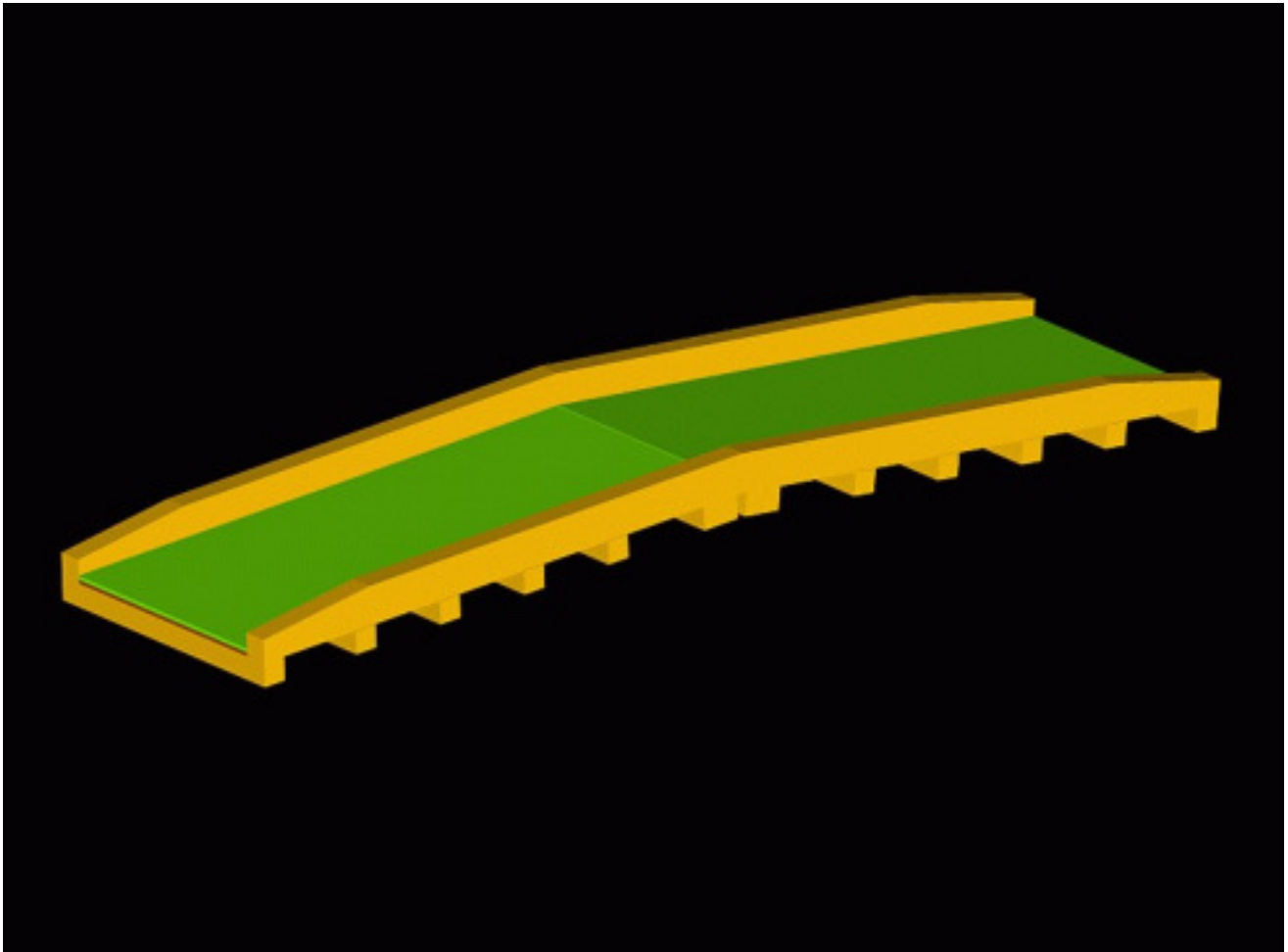


# DOGGE BRIDGE™

## 1. View of hinges and arched join



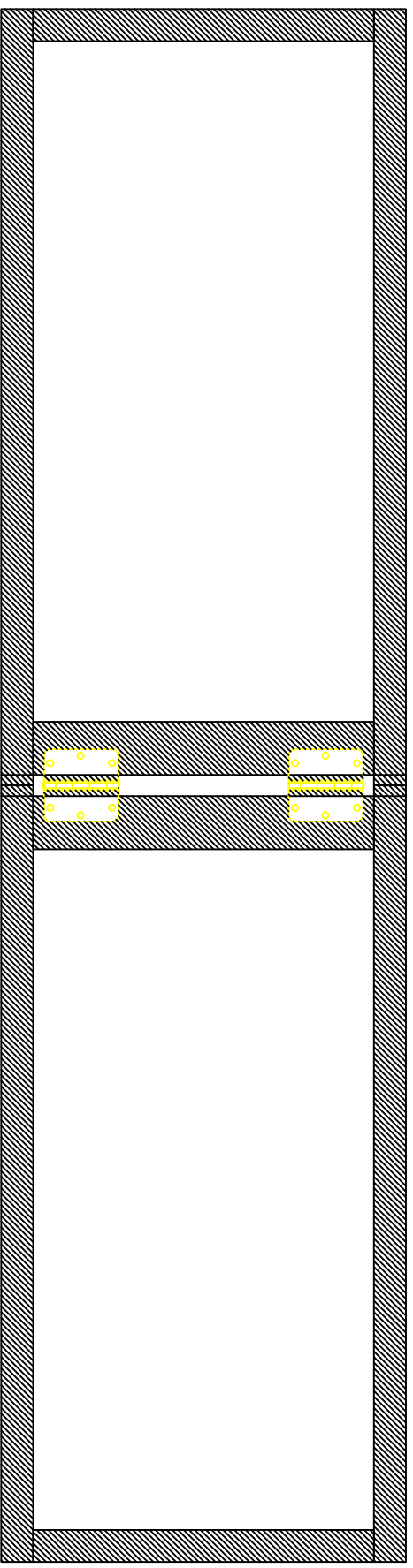
## 2. View of completed Dogge Bridge™ - top side



### 3. View of completed Dogge Bridge™ from underneath



# THE DOGGE BRIDGE™ FOLDING DOG RAMP PLANS 1/4 INCH PLYBOARD FLOOR

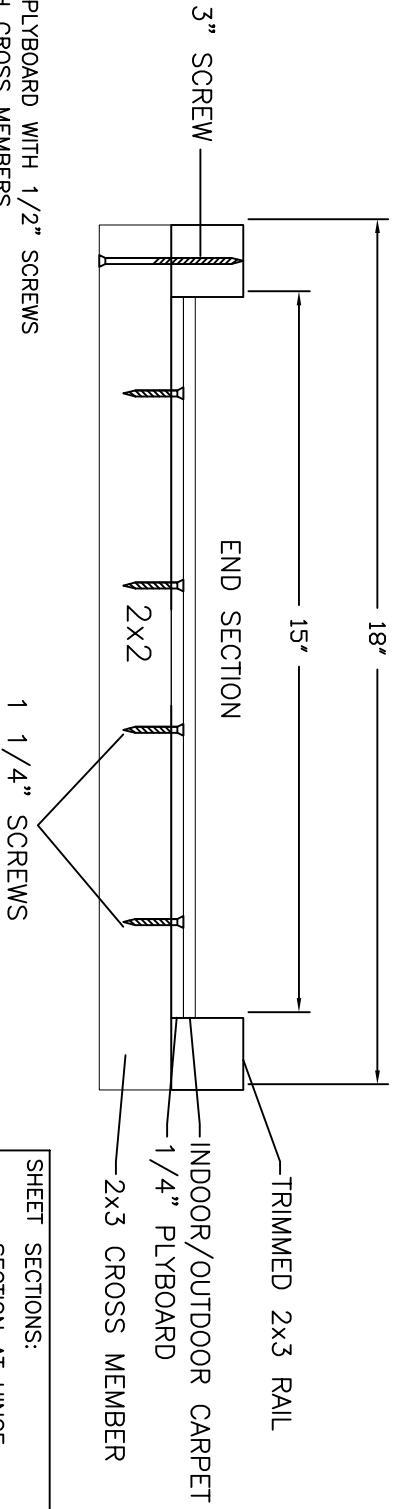
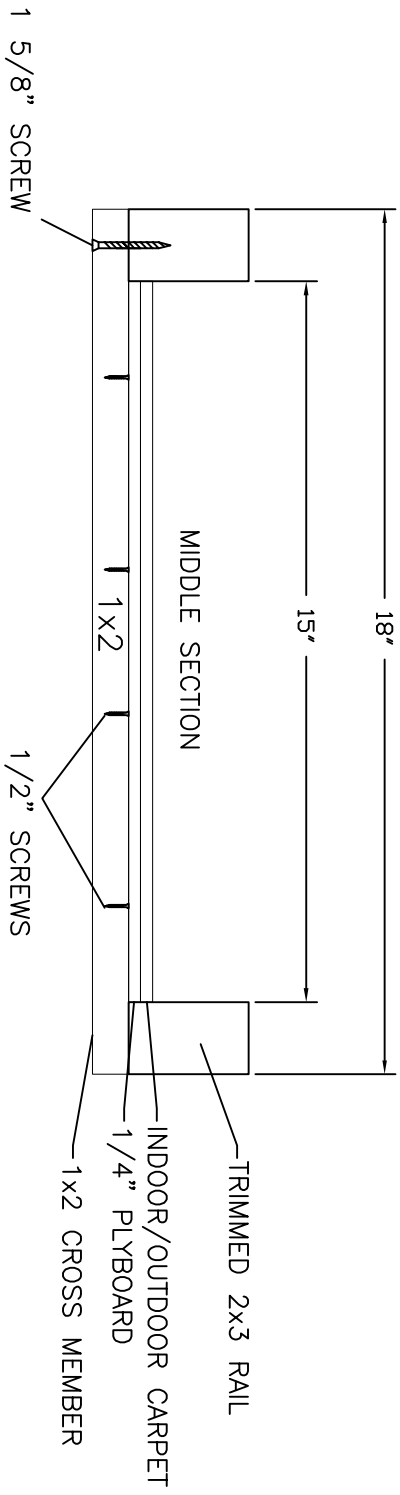
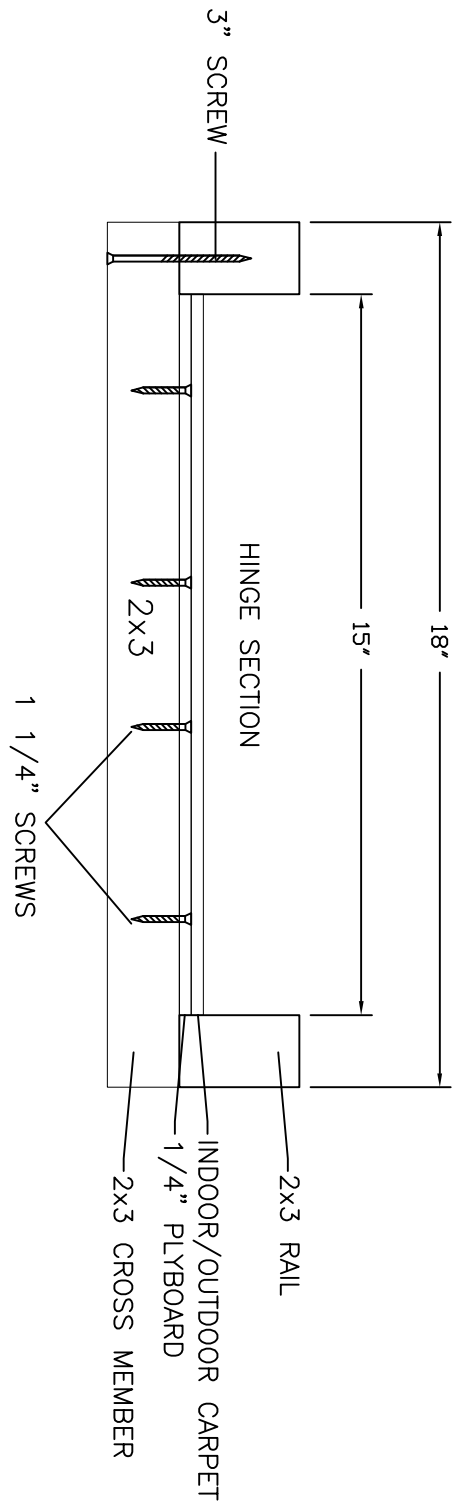


## DRAWING INDEX

SHEET 1	SHEET 2	SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7	SHEET 8
TITLE SHEET	PLAN VIEWS	PLAN MOD 1	PROFILES	SECTIONS	DETAILS	RAMP QUANTITIES	RAMP ASSEMBLY STEPS

UNITS: ENGLISH INCHES/FEET  
SCALE: VARIES BY SHEET

SHEET				
TITLE SHEET				
SHEET NO	SCALE	DATE	REV	DES BY
1	BY SHEET	JAN 2008	1	SMS



INSTRUCTIONS:

- SECURE 1/4" PLYBOARD WITH 1/2" SCREWS TO 1x2 INCH CROSS MEMBERS
- SECURE 1/4" PLYBOARD WITH 1 1/4" SCREWS TO HINGE AND END CROSS MEMBERS
- SECURE INDOOR/OUTDOOR CARPET WITH 1/4", 5/8" STAPLES OR CARPET TACKS FOR THE 2'x4' FLOOR PLAN, STAGGER SCREWS ON EITHER SIDE OF JOIN - SEE SHEET 8

SHEET SECTIONS:

SECTION AT HINGE SECTION AT MIDDLE SECTION AT END

SHEET NO	SCALE	DATE	REV	DES BY
5	1"=4"	JAN 2008	1	SMS

DOGGE BRIDGE QUANTITIES							
THE STANDARD RAMP							
Item	Length in Inches or Size	No. of Pieces	TxLxH Length Feet	Size Units	Units Needed	Price/Unit	Total Cost \$
2"x3" Sice Rails	36	4	12.0	8'	2.00	\$1.70	\$2.40
2"x3" Hinged End Pieces*	18	2	3.0	8'	3.00		
2"x2" End Pieces	18	2	3.0	8'	1.00	\$1.82	\$1.82
1/4" Plyboard		1		Ea	1.00	\$10.00	\$10.00
1"x2" Braces	10	3	12.0	8'	2.00	\$1.40	\$2.80
Hinges - 1/4" Radius	3.2"x1.2"	2		Ea	2.00	\$1.19	\$2.38
Screws	3"	16		Lb	0.25	\$0.90	\$0.23
Screws	1.875"	15		Lb	0.25	\$0.90	\$0.23
Screws	1.25"	20		Lb	0.25	\$0.90	\$0.25
Screws	0.5"	16		Lb	0.25	\$0.90	\$0.23
Geomet	38"x15"	2	6'2"	Sc F.	6.25	\$0.59	\$3.69
Staples	5/16"			Box	1.00	\$2.26	\$2.26
*Full End Pieces from Rail 2x3x8							
<b>Total</b>							<b>\$27.26</b>

**PLYBOARD AND OTHER FLOORING MATERIAL COSTS:**

**SAMPLE COSTS OF SOME STANDARD WOOD PRODUCT SHEETS:**

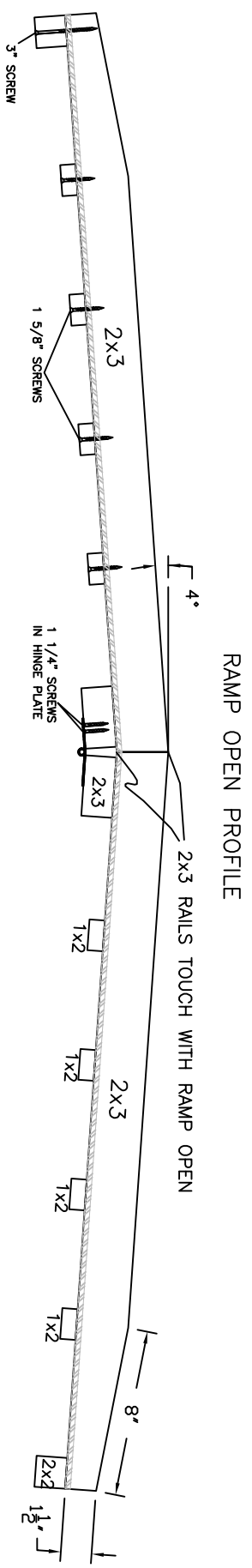
- 1/8"x2'x4' Hardboard/Particle Board = \$2.61
- 1/4"x2'x4' Plyboard = \$6.60
- 7/16"x4'x8' OSB T/G = \$7.88
- 3/8"x4'x8' RTD Sheathing = \$12.44
- 3/4"x4'x8' OSB T/G = \$13.88
- 1/4"x4'x8' Plyboard = \$19.97

**NOTES REGARDING MATERIALS AND COSTS:**

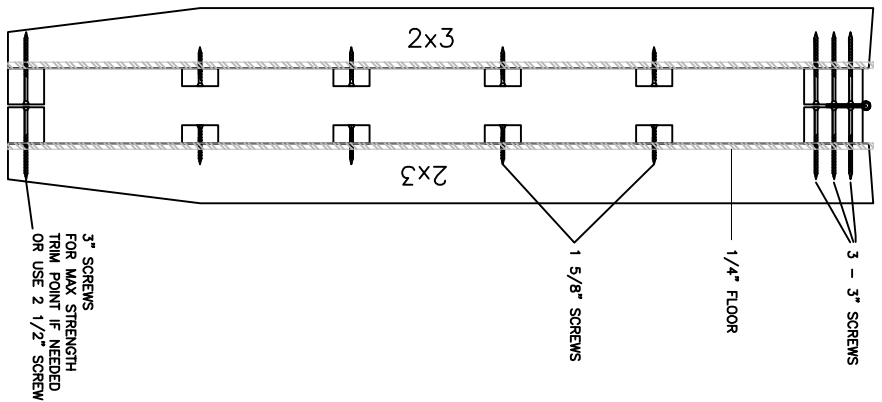
PRICES AND COSTS MAY VARY GREATLY DEPENDING ON MATERIALS USED AND WHERE PURCHASED  
 Prices based on Home Depot and Ace Hardware Retail Prices Sacramento, Ca Jan 2008  
 A 2'x4' sheet of plyboard or Hardboard/Particle Board may be substituted for the 4x4 sheet  
 if a 2'x4' sheet is substituted, supporting 1x2 cross members must be moved - see Plan Mod1  
 A 2'x4' sheet of MDF or particle board may also be used to save cost  
 A 12" piece of carpet may be used instead of the full 15" width as a cost saving measure  
 Screws may be drywall type or better in quality, drywall screws are less expensive  
 Screws priced by the pound are the most cost effective  
 Carpet tacks may be used in place of staples to secure carpet

**SHEET RAMP QUANTITIES**

SHEET NO	SCALE	DATE	REV	DES BY
7	N.T.S.	JAN 2008	1	SMS

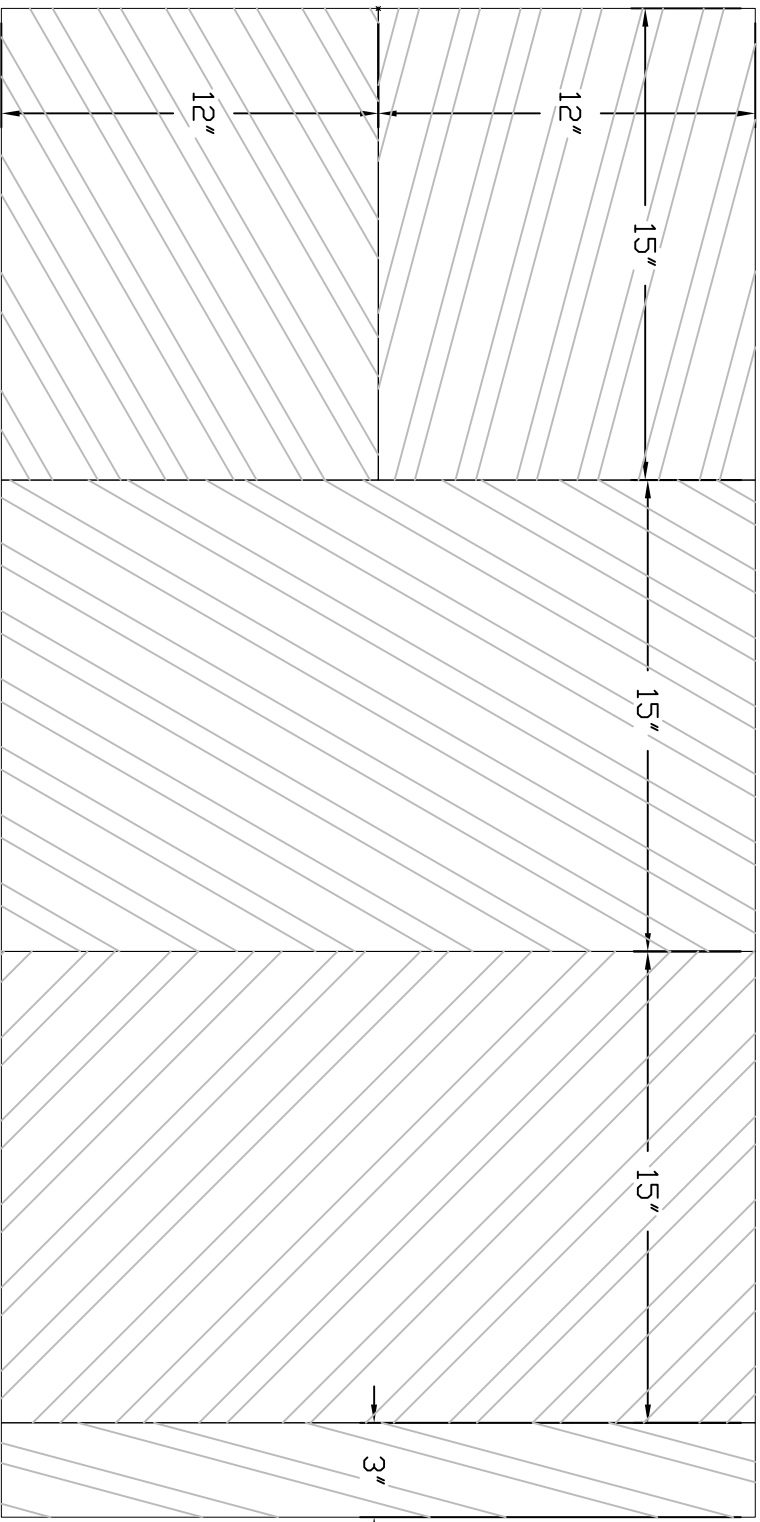


RAMP CLOSED PROFILE



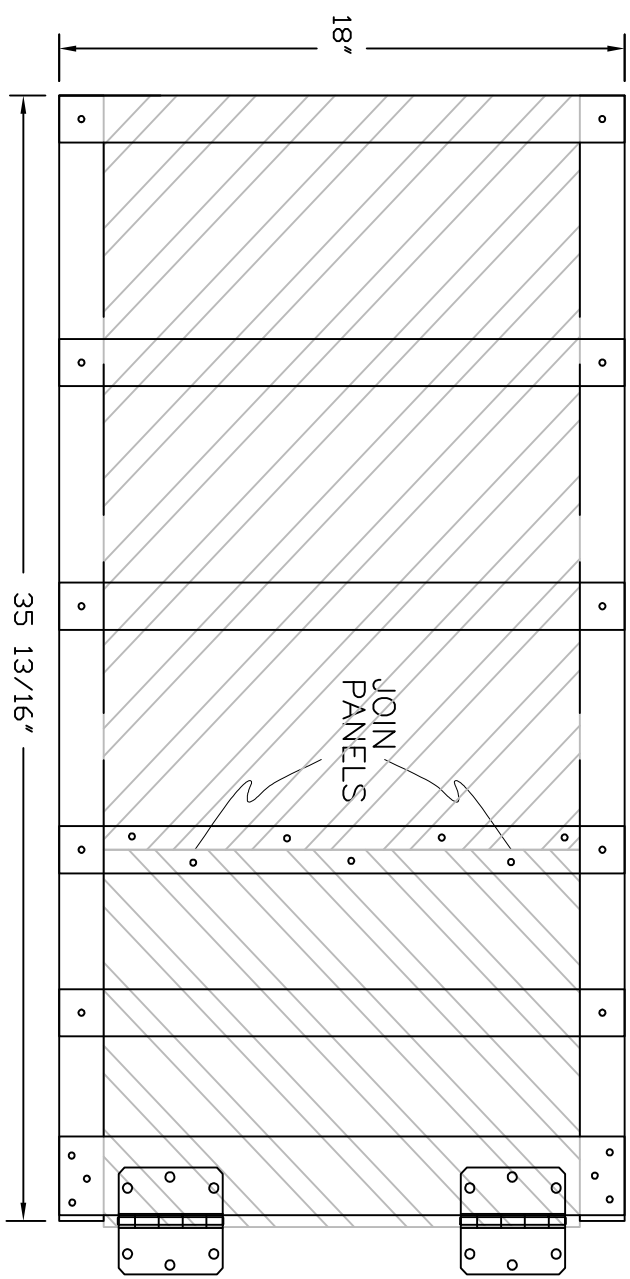
INSTRUCTIONS:  
 ANGLE CUT RAILS 3/16" BOTTOM TO TOP - SEE DETAILS  
 PLACE RAILS SO THAT THEY TOUCH WITH RAMP OPEN  
 SAW CUT RAILS 8" FROM ENDS - SEE DETAILS  
 RAMP CLOSED ANGLE APPROX. 4 DEGREES  
 DRYWALL SCREWS ARE SHOWN;  
 SUBSTITUTE WITH EQUIVALENT IF NEEDED

SHEET PROFILES:				
RAMP OPEN PROFILE				
RAMP CLOSED PROFILE				
SHEET NO	SCALE	DATE	REV	DES BY
4	1"=8"	JAN 2008	1	SMS



CUTTING PLAN  
FOR 2'x4' SHEET

CROSS-BRACE PLAN



INSTRUCTIONS:  
THIS MODIFICATION PERTAINS TO FLOORING  
AND BRACING FOR THAT FLOORING ONLY

CUT 2'x4' SHEET AS SHOWN  
ATTACH BRACES TO CROSS MEMBERS AS SHOWN  
PLACE ONE 24"x15" SHEET ON CROSS MEMBERS  
PLACE ONE 12"x15" SHEET ADJACENT  
ATTACH FLOOR TO BRACES  
STAGGER SCREWS EITHER SIDE OF JOIN  
DISTANCE BETWEEN BRACES SHOWN AS APPROX.  
PLACE BRACES AS NEEDED TO SUPPORT FLOOR

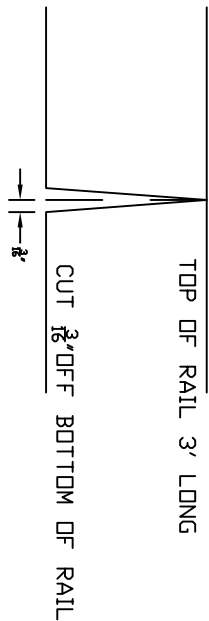
SHEET  
PLAN MOD 1  
2'x4' FLOOR PLAN

SHEET NO	SCALE	DATE	REV	DES BY
3	1"=6"	JAN 2008	1	SMS

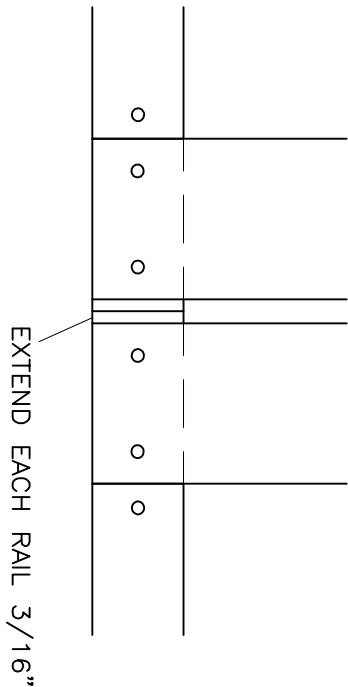




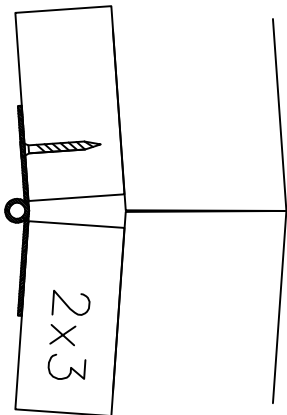
RAIL CUT DETAIL HINGE END



- 1) CUT RAILS  $\frac{3}{16}$ "
- 2) THEN EXTEND AN ADDITIONAL  $\frac{3}{16}$ "

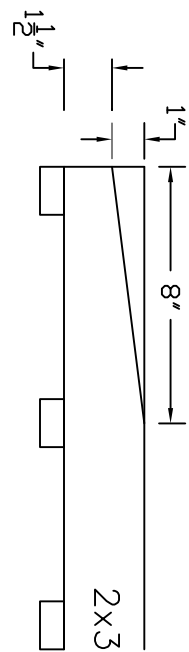


RAILS CUT AND PLACED TOGETHER

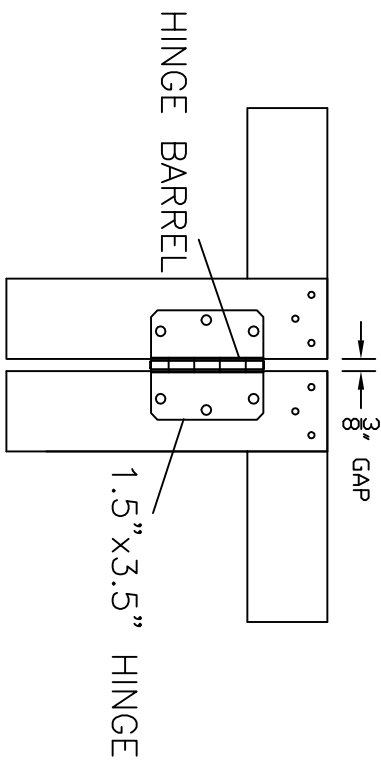


ATTACH HINGES AFTER CUTTING RAILS AND PLACING TOGETHER

RAIL CUT DETAIL RAMP END



HINGE PLACEMENT



PLACE 2x3s TOUCHING HINGE BARREL SHOULD BE APPROX  $\frac{3}{8}$ " GAP

SHEET DETAILS

SHEET NO	SCALE	DATE	REV	DES BY
6	1"=6"	JAN 2008	1	SMS

## RAMP ASSEMBLY STEPS

### CUT THE WOOD

1. Cut two 2x3 Rails 36" long
2. Cut two 2x2 ends 18" long
3. Cut eight 1x2 cross members 18" long
4. Cut two pieces of plywood 15" by 36"
5. See Plan Mod 1 for cutting plywood floor out of a 2'x4' sheet
6. Cut two pieces of carpet 38" long (anywhere from 12 to 15 inches wide, your choice)
7. Cut the 2x3 rails 3/16" at the hinge ends as shown on the DETAIL drawing sheet
8. Angle cut 8" off the 2x3 rails at the bottom ends as shown on the DETAIL drawing sheet

### BUILD THE FRAME

1. Extend the bottom ends of the rails 3/16" beyond the end of the plywood – See Detail Sheet
2. This should create a 3/8" gap between the two halves of the ramp, only then screw the frame together
3. The next step is tricky but crucial for proper operation of the Dogge Bridge:
4. Push the frames together so that the 2x3 rail ends are flush. The frames will have a slight upward angle.
5. Support the frames in the bridged position, then screw the other half of the hinges into the second frame.
6. Note that there will be an approx 3/8" gap due to the barrel of the hinges taking up space
7. Drill holes for the screws for the 1x2 cross members, then attach them

### FIT THE FLOOR

1. Fit the plywood into each frame, check for protruding screw ends, file as needed
2. Be sure to place floor boards so they are touching to avoid pinching – See Sheet 2
3. Take care to slide the plywood up to the joint and make sure it fits when you open the ramp
4. Screw the plywood to the cross members. Pre-Drilling required for Hardboard/Particleboard floors

### INSTALL THE CARPET

1. Put carpet over the plywood and fasten. Make sure there are no sharp edges your dog will step on
2. Carpet should be lapped over the ends of the ramps

### GENERAL NOTES

1. To minimize splitting, pre-drill screw holes about two thirds of the length of each screw with a 1/8" drill bit
2. Sand wood as desired prior to assembly

SHEET				
RAMP ASSEMBLY STEPS				

SHEET NO	SCALE	DATE	REV	DES BY
8	N.T.S.	JAN 2008	1	SMS