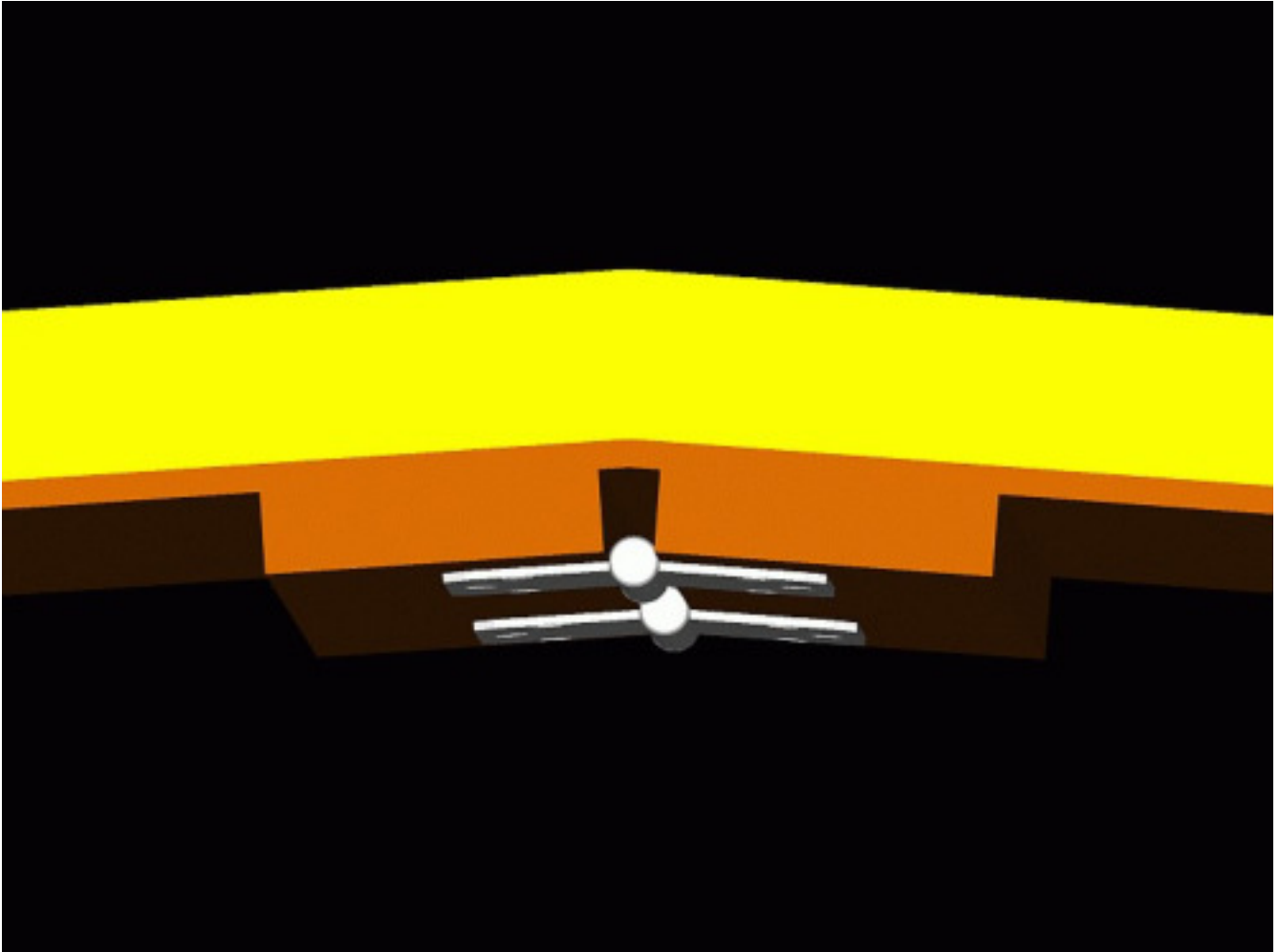


DOGGE RAMP™

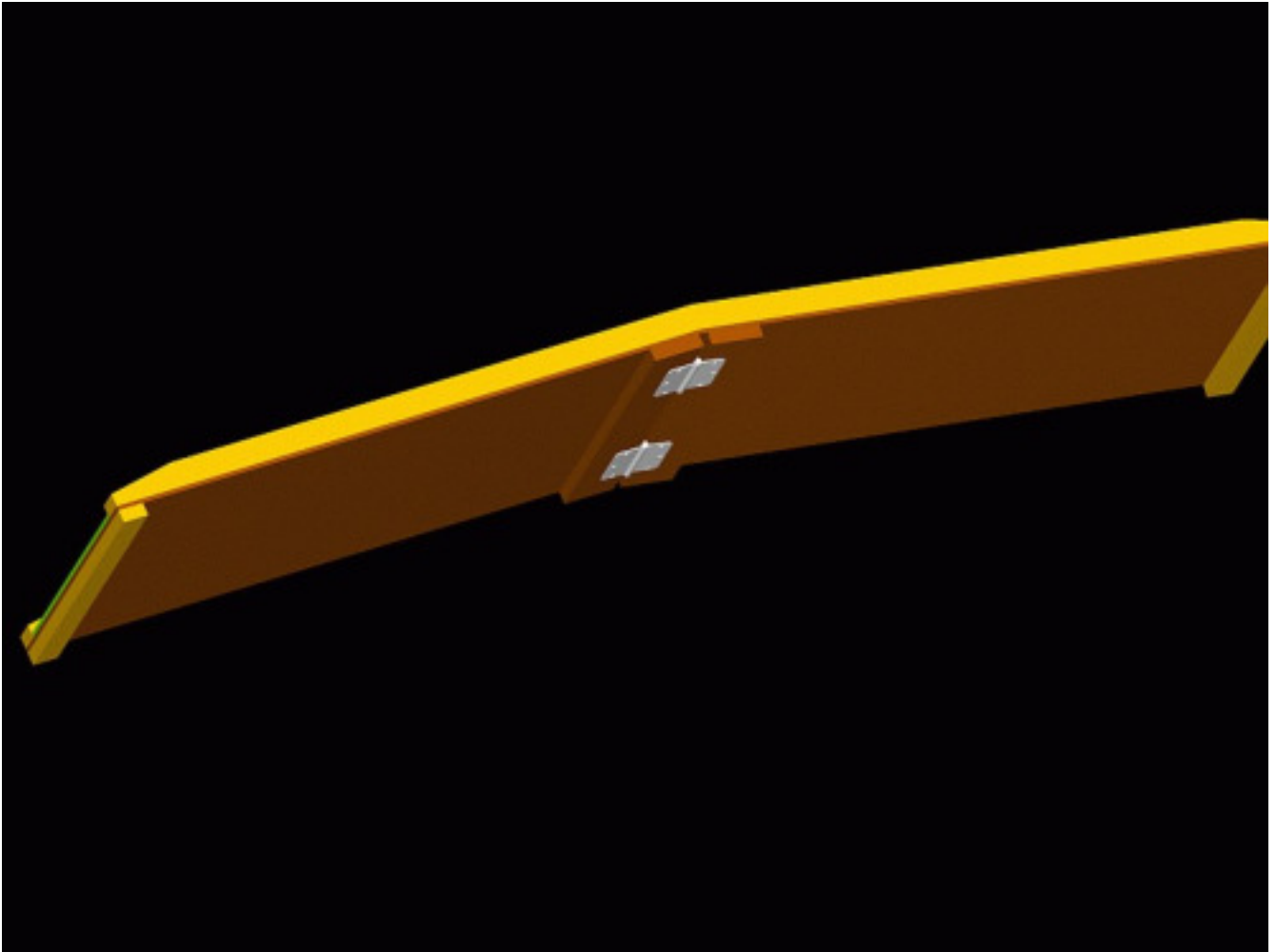
1. Close up of hinges and arch



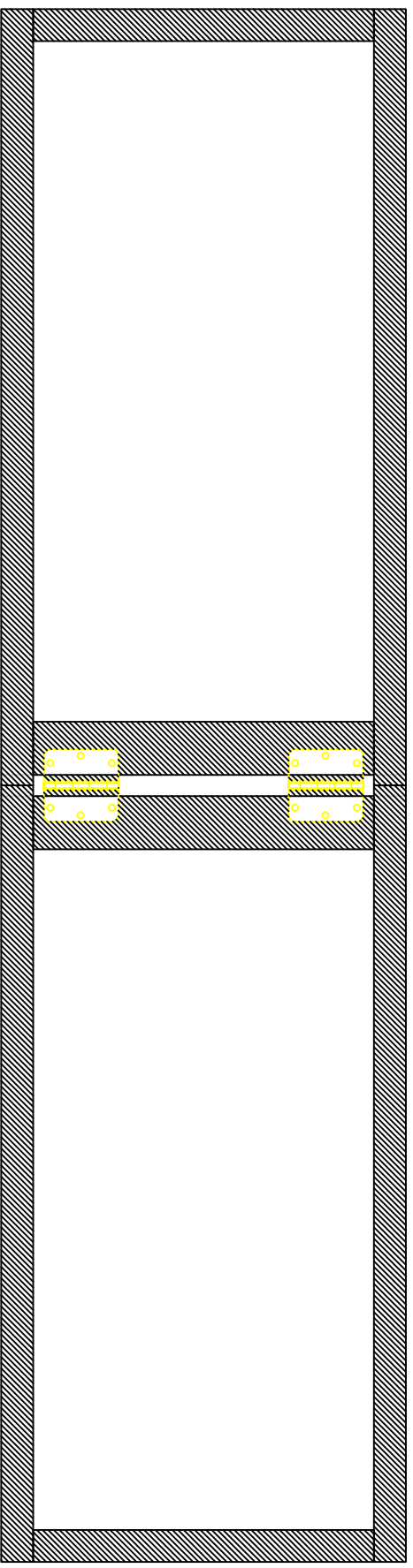
2. Top view of Dogge Ramp™



3. Bottom view of Dogge Ramp™



THE DOGGE RAMP™ FOLDING DOG RAMP PLANS 3/8 INCH PLYBOARD FLOOR



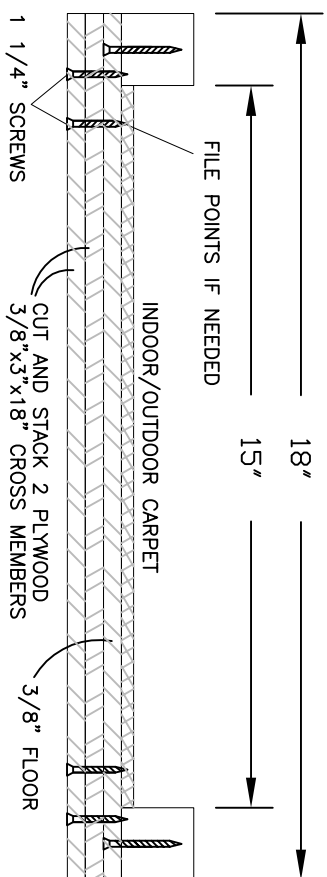
DRAWING INDEX

SHEET 1	TITLE SHEET
SHEET 2	18" RAMP PLAN
SHEET 3	16" RAMP PLAN
SHEET 4	PROFILE
SHEET 5	SECTIONS
SHEET 6	DETAILS
SHEET 7	QUANTITIES
SHEET 8	ASSEMBLY STEPS

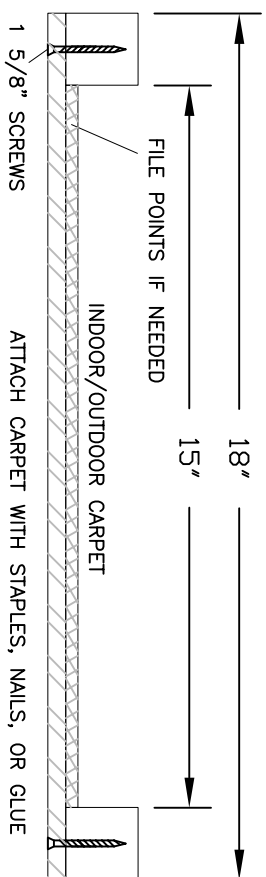
UNITS: ENGLISH INCHES/FEET
SCALE: VARIES BY SHEET

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

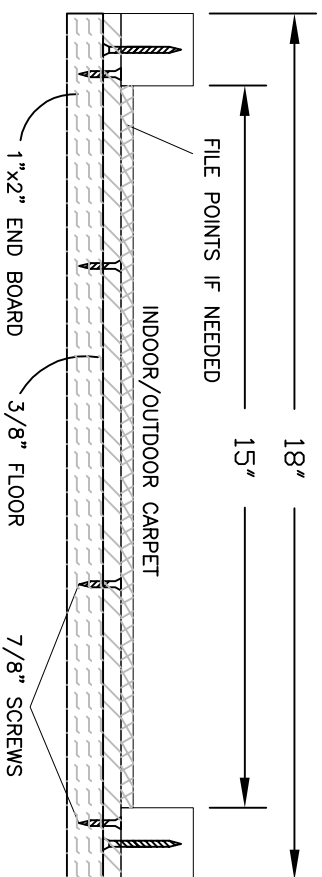
18" SECTION AT HINGE



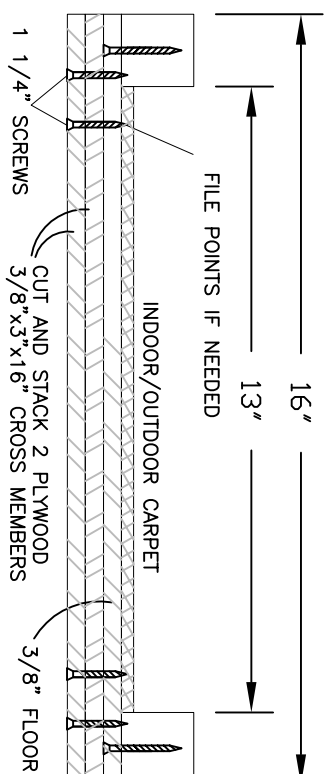
18" SECTION AT MIDDLE



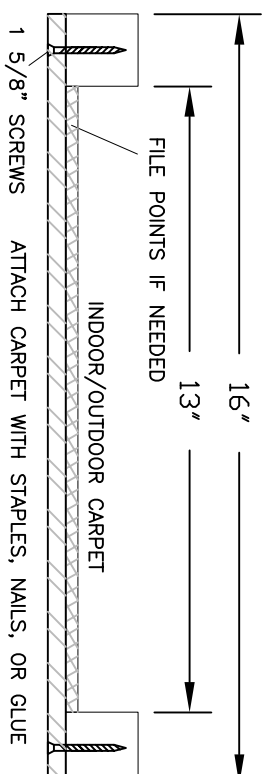
18" SECTION AT END



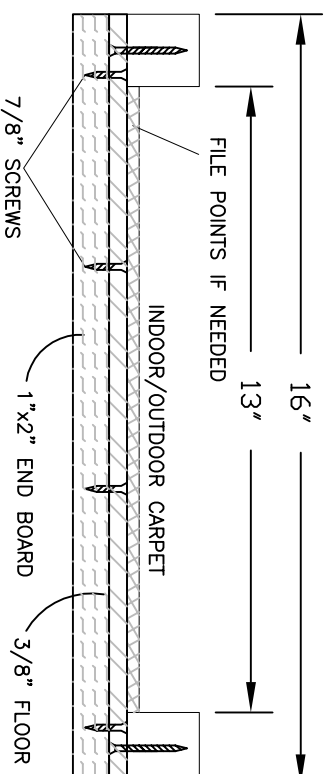
16" SECTION AT HINGE



16" SECTION AT MIDDLE



16" SECTION AT END



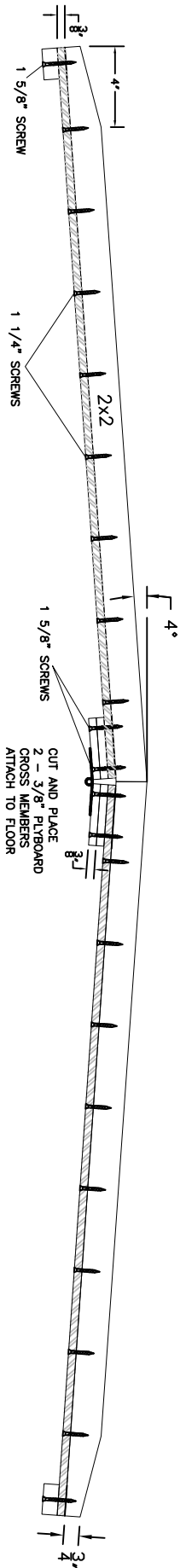
INSTRUCTIONS:

- CUT OUT 2 - 3/8"x3"x18" or 16"
- CROSS MEMBERS FROM PLYBOARD
- SECURE 3/8" FLOOR WITH 1 5/8" SCREWS
- AT 2x2 INCH RAILS
- SECURE 3/8" HINGE END CROSS MEMBERS
- WITH 1 1/4" SCREWS
- SECURE 1"x2" END BOARD TO FLOOR
- WITH 7/8" SCREWS
- STAGGER SCREWS ON THE HINGE CROSS MEMBERS

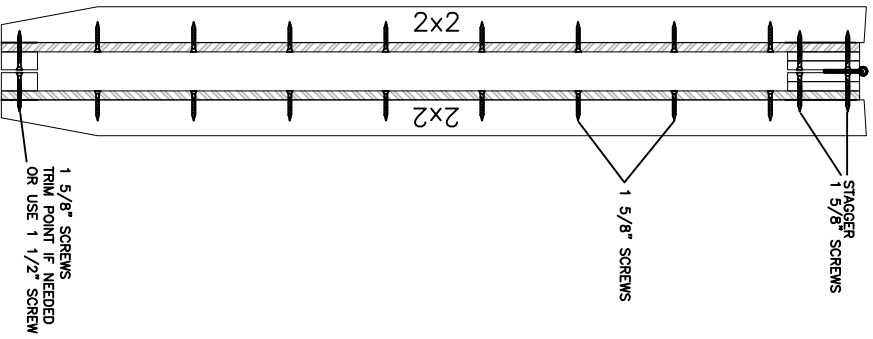
SHEET SECTIONS:

SHEET NO	SCALE	DATE	REV	DES BY
5	1"=8"	JAN 2008	1	SMS

RAMP OPEN PROFILE



RAMP CLOSED PROFILE

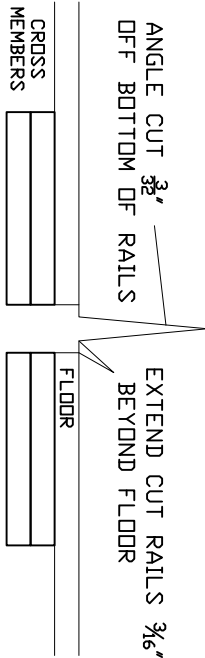


INSTRUCTIONS:
 ANGLE CUT RAILS 3/32" BOTTOM TO TOP - SEE DETAILS
 PLACE RAILS SO THAT THEY TOUCH WITH RAMP OPEN
 SAW CUT RAILS 4" FROM ENDS - SEE DETAILS
 RAMP CLOSED ANGLE APPROX. 4 DEGREES
 DRYWALL SCREWS ARE SHOWN;
 SUBSTITUTE WITH EQUIVALENT IF NEEDED

SHEET PROFILES:				
RAMP OPEN PROFILE				
RAMP CLOSED PROFILE				

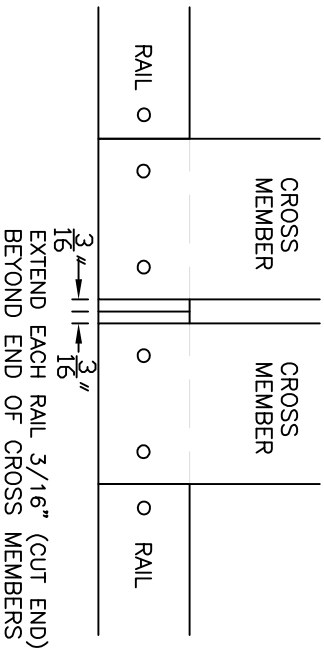
SHEET NO	SCALE	DATE	REV	DES BY
4	1"=8"	JAN 2008	1	SMS

RAIL CUT DETAIL HINGE END PROFILE

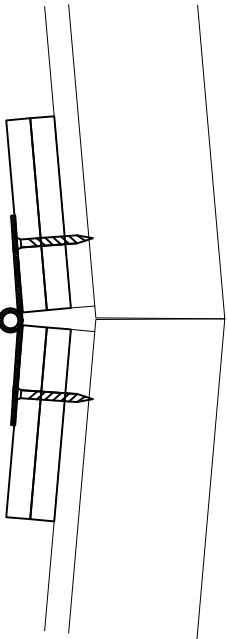


RAIL CUT DETAIL HINGE END PLAN VIEW

- 1) CUT RAILS 3/32" AS ABOVE
- 2) THEN EXTEND AN ADDITIONAL 3/16" BEYOND END OF CROSS MEMBERS

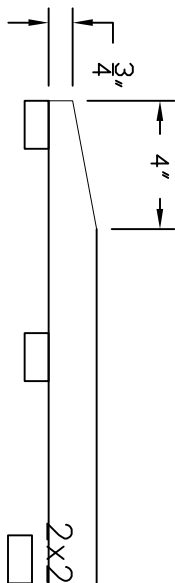


RAILS ROTATED INTO PLACE

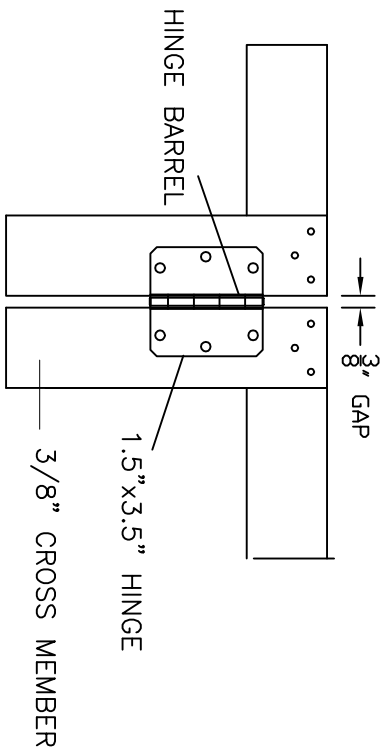


ATTACH HINGES AFTER CUTTING RAILS AND PLACING TOGETHER

RAIL CUT DETAIL RAMP END



HINGE PLACEMENT



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

NOTES:

- IMPORTANT DIMENSIONS -
- ANGLE CUT RAIL ENDS 3/32"
- THEN MOVE THEM 3/16"
- CUT ENDS OF 2x2s AS SHOWN
- OFFSET CROSS MEMBERS AS SHOWN
- ROTATE RAMP HALVES INTO PLACE
- PRE-DRILL AND ATTACH HINGES
- SECURE INDOOR/OUTDOOR CARPET WITH 1/4", 5/8" STAPLES OR CARPET TACKS

SHEET DETAILS

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

RAMP ASSEMBLY STEPS

CUT THE WOOD

1. Cut two 2"x2" Rails 36" long
2. From the remaining plywood, cut end members:
Cut 4 – 3" wide by 18" or 16" long strips, depending on the ramp you are building
2a. Alternatively, cut 16" or 18" hinge cross members out of a 1"x3" board
3. Cut 2 – 1"x2" end members 16" or 18" long
4. Cut two pieces of 3/8" plywood 16" or 18" by 3 feet (36 inches)
5. Cut two pieces of carpet 38" long (anywhere from 12 to 15 inches wide, your choice)
6. Cut the 2"x2" rails 3/32" at the hinge ends as shown on the DETAIL drawing sheet
7. Angle cut 4" off the 2"x2" 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 Ramp:
4. Push the frames together so that the 2"x2" 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. Check to ensure the 3/8" gap is still present
7. Set hinge barrels in 3/8" slot – barrels should rest in slot, if not, repeat steps above
8. Check for screw ends protruding, file as needed

INSTALL THE CARPET

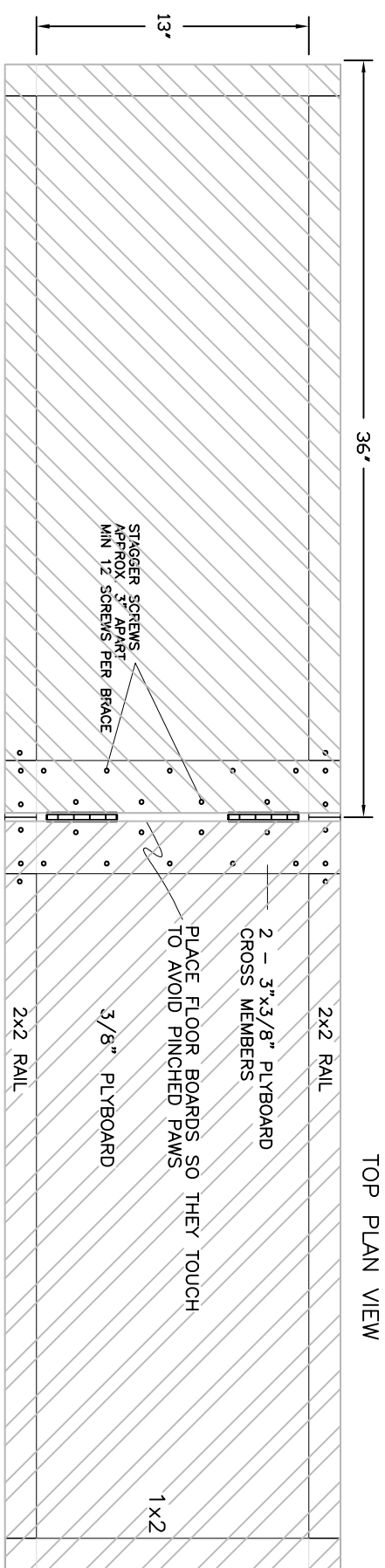
1. Put carpet over the plywood and fasten. Make sure there are no sharp edges your dog will step on
2. Carpet should be lapped over the ends of the ramps

GENERAL NOTES

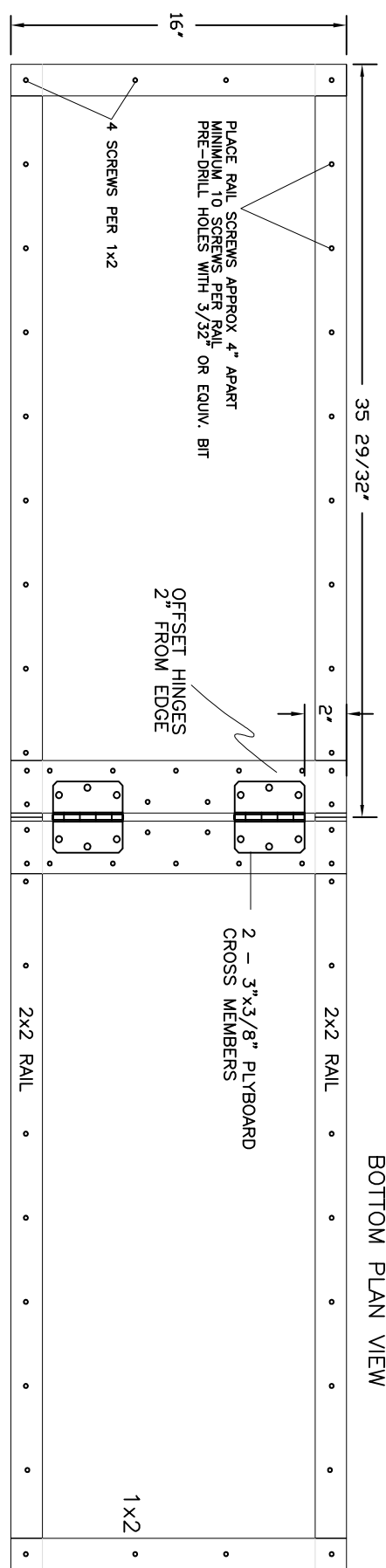
1. To minimize splitting, pre-drill screw holes about two thirds of the length of each screw with a 1/8" drill bit
2. Plywood hinge end members are stronger than commercial 1"x3" pine board members
3. Sand wood as desired prior to assembly

SHEET				
RAMP ASSEMBLY STEPS				

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



TOP PLAN VIEW

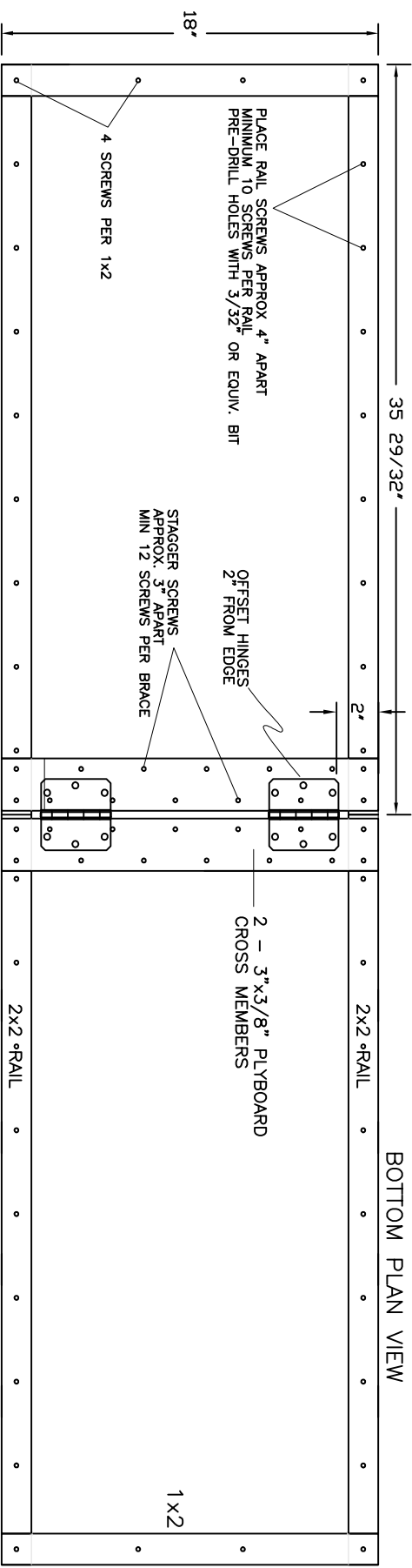
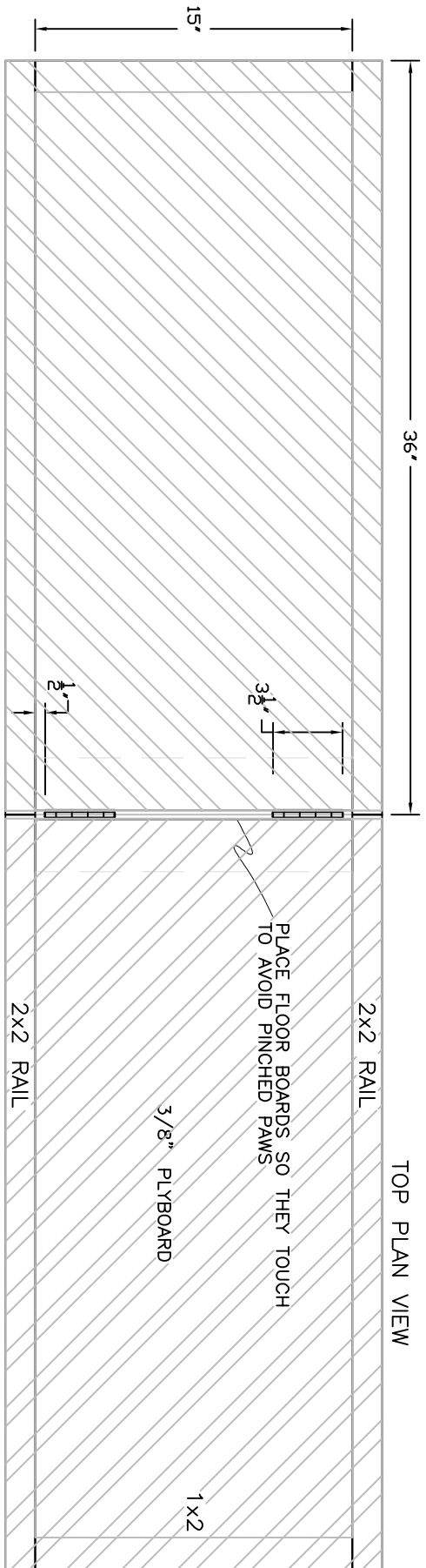


BOTTOM PLAN VIEW

← 8" GAP BETWEEN RAMP HALVES
IMPORTANT:
 SEE DETAILS REGARDING RAIL ENDS AND PLACEMENT

INSTRUCTIONS:
 CUT 2-16"x36" PLYBOARD SHEETS
 ALIGN AND CLAMP RAILS IN PLACE
 ALLOW RAILS TO EXTEND 3/16" OVER HINGE END
 PRE-DRILL SCREW HOLES WITH 3/32" BIT
 SCREW RAILS IN PLACE
 ALIGN HINGE CROSS MEMBERS AND CLAMP IN PLACE
 PRE-DRILL HOLES IN STAGGERED PATTERN, 3/32" BIT
 SCREW CROSS MEMBERS IN PLACE
 ALIGN, CLAMP, DRILL, AND SCREW IN 1"x2" END MEMBERS
 ALIGN HINGES 2" FROM EITHER SIDE OF EDGES
 MAKE SURE HINGES OPEN SO THEY TOUCH WITH RAMP OPEN
 ADJUST RAMPS TO LEAVE A 3/8" GAP, ENOUGH TO SNUGLY FIT HINGE BARRELS
 ALIGN, CLAMP, MARK, DRILL, AND SCREW HINGES IN PLACE

SHEET 16" RAMP PLAN				
TOP PLAN VIEW				
BOTTOM PLAN VIEW				
SHEET NO	SCALE	DATE	REV	DES BY
3	1"=6"	JAN 2008	1	SMS



INSTRUCTIONS:
 CUT 2-18"x36" PLYBOARD SHEETS
 ALIGN AND CLAMP RAILS IN PLACE
 ALLOW RAILS TO EXTEND 3/16" OVER HINGE END
 PRE-DRILL SCREW HOLES WITH 3/32" BIT
 SCREW RAILS IN PLACE

ALIGN HINGE CROSS MEMBERS AND CLAMP IN PLACE
 PRE-DRILL HOLES IN STAGGERED PATTERN, 3/32" BIT
 SCREW CROSS MEMBERS IN PLACE
 ALIGN, CLAMP, DRILL, AND SCREW IN 1"x2" END MEMBERS
 ALIGN HINGES 2" FROM EITHER SIDE OF EDGES
 MAKE SURE HINGES OPEN IN PROPER DIRECTION
 ADJUST RAMPS TO LEAVE A 3/8" GAP, ENOUGH TO SNUGLY FIT HINGE BARRELS
 ALIGN, CLAMP, MARK, DRILL, AND SCREW HINGES IN PLACE

IMPORTANT:
 SEE DETAILS REGARDING RAIL ENDS AND PLACEMENT

SHEET 18" RAMP PLAN				
TOP PLAN VIEW		BOTTOM PLAN VIEW		
SHEET NO	SCALE	DATE	REV	DES BY
2	1"=8"	JAN 2008	1	SMS

DOGGE RAMP QUANTITIES																
THE STANDARD RAMP																
Item	Length Inches or Size	No. of Pieces	Max Length Feet	Store Units	Units Needed	Price/Unit	Total Cost									
2" x 2" Sida Rala	36	4	12.0	8	2.00	\$.70	\$3.10									
1" x 2" Lnd Pieces	18	2	3.0	8	1.00	\$.82	\$1.82									
3/8" Plyboard	4'x8' Sheet	1		EA	1.00	\$7.20	\$12.50									
Hinges - 1/4" Radius	3.5"x1.5"	2		EA	2.00	\$7.18	\$2.38									
Screws	1.5"	20		L0	0.25	\$0.90	\$0.23									
Scrapers	1.25"	20		L0	0.25	\$0.80	\$0.22									
Screws	0.875"	20		L0	0.25	\$0.90	\$0.23									
Screws	0.5"	16		L0	0.25	\$0.90	\$0.23									
Carpet	36"x15"	2	6.2'	Sq Ft	6.25	\$0.58	\$3.63									
Staples	5/16"			Box	1.00	\$2.28	\$2.28									
Total							\$26.95									

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
 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