

STEP 16: CLIMBING RAMP

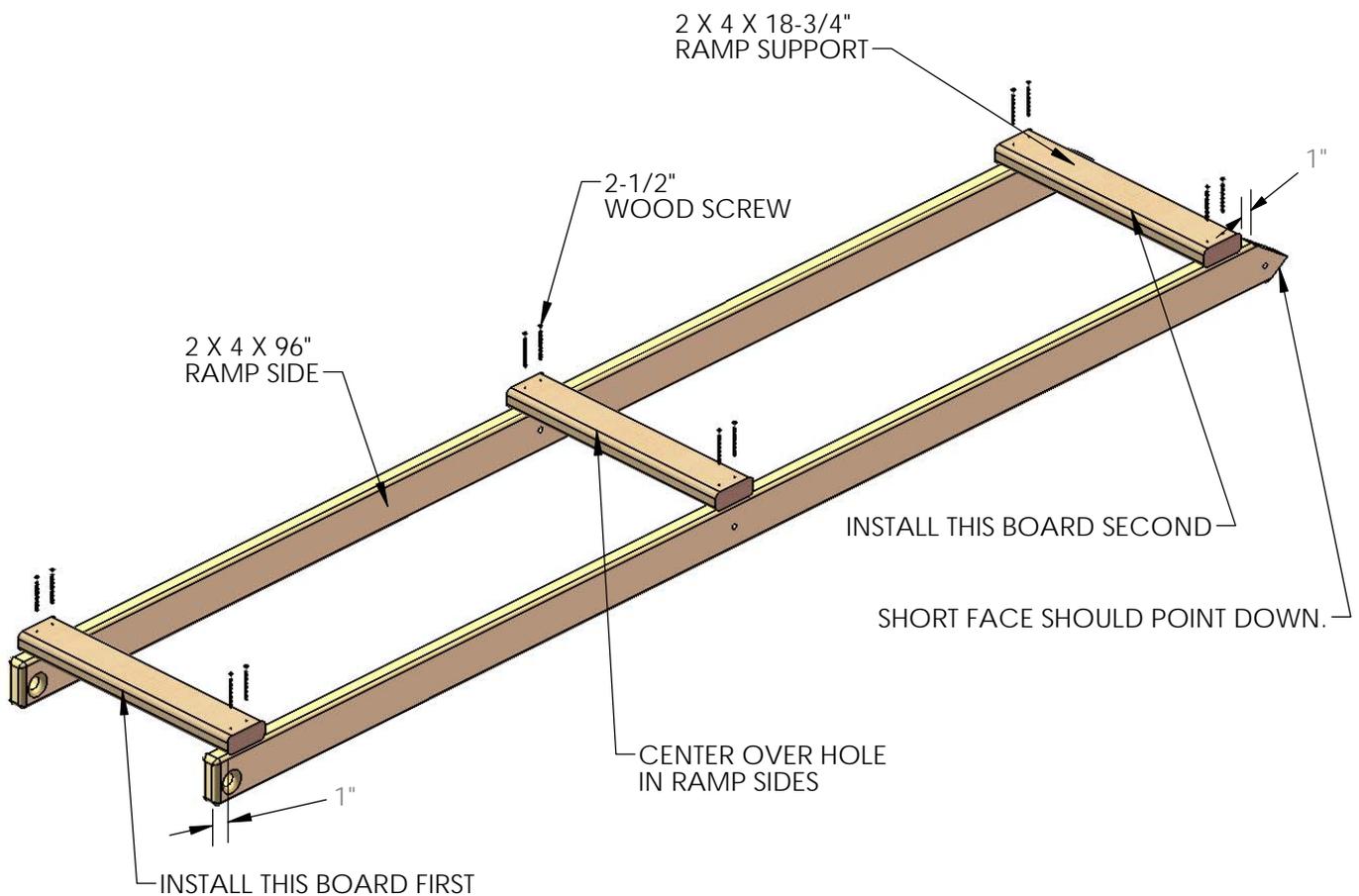
1: LAY OUT THE 2 X 4 X 96" RAMP SIDE BOARDS MAKING SURE THE ANGLED END FACES ALIGN WITH ONE ANOTHER. THE SHORT FACE ON THE ANGLED END SHOULD FACE DOWN.

2: FIRST PLACE ONE 2 X 4 X 18-3/4" RAMP SUPPORT BOARD AT THE SQUARE END OF THE 2 X 4 X 96" RAMP SIDE BOARDS. OFFSET THE BOARD 1" FROM THE EDGE. FASTEN THE RAMP SUPPORT BOARD TO THE RAMP SIDE BOARDS WITH TWO 2-1/2" WOOD SCREWS PER SIDE.

3: SECOND PLACE ONE 2 X 4 X 18-3/4" RAMP SUPPORT BOARD AT THE ANGLED END OF THE 2 X 4 X 96" RAMP SIDE BOARDS. OFFSET THE BOARD 1" FROM THE EDGE. FASTEN THE RAMP SUPPORT BOARD TO THE RAMP SIDE BOARDS WITH TWO 2-1/2" WOOD SCREWS PER SIDE.

4: PLACE THE REMAINING 2 X 4 X 18-3/4" RAMP SUPPORT BOARD ACROSS THE RAMP SIDE BOARDS IN THE MIDDLE, AND FASTEN WITH TWO 2-1/2" WOOD SCREWS PER SIDE.

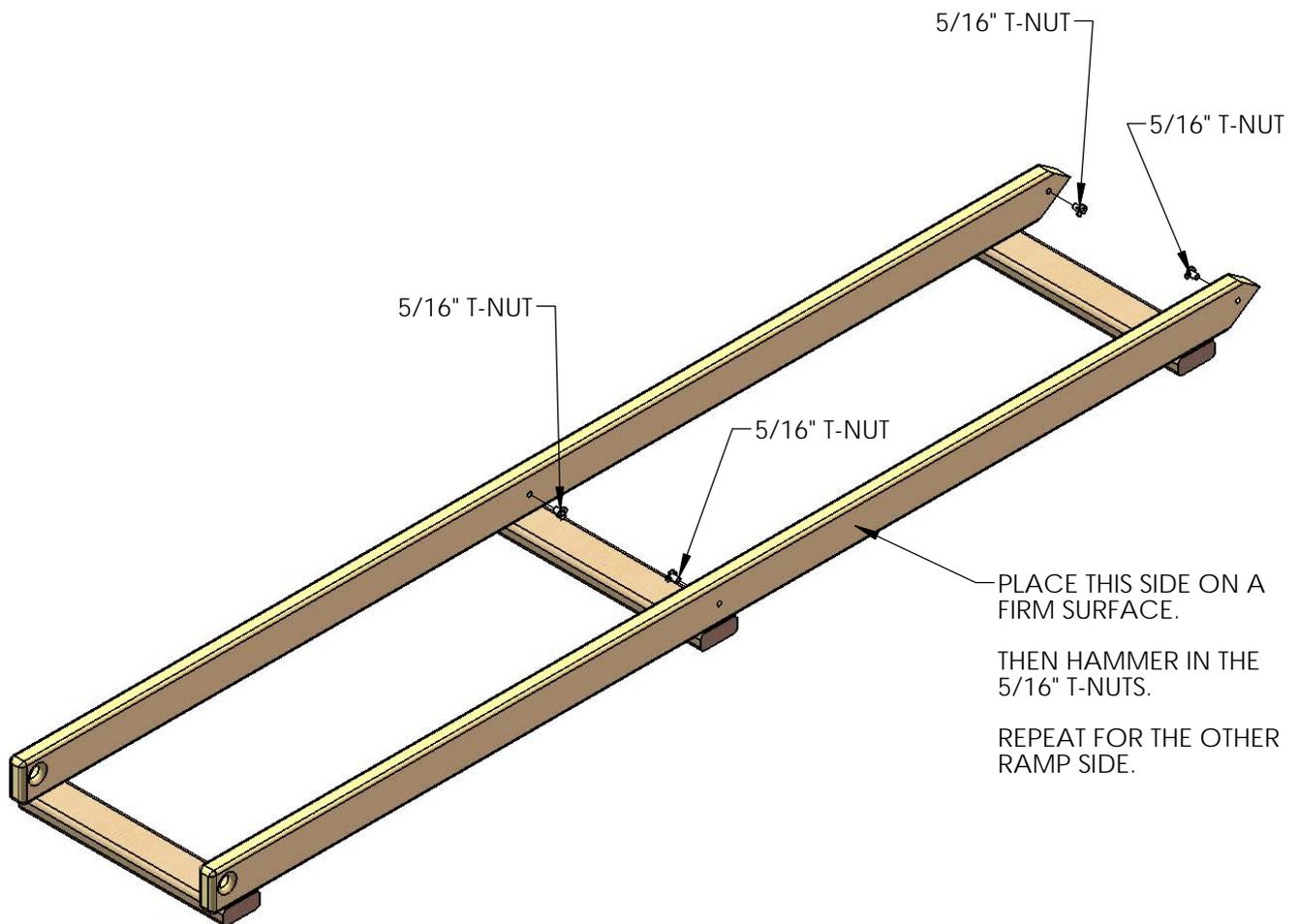
NOTE: CLIMBING RAMP TO BE INSTALLED INSTEAD OF LADDER ON THIS MODEL. THE LADDER PARTS ARE INCLUDED IN THE PACKAGE BUT ARE **NOT** USED.



STEP 16A: CLIMBING RAMP

1: PLACE THE RAMP SIDE ON A FIRM LEVEL SURFACE. HAMMER A 5/16" T-NUT INTO EACH HOLE ON THE INSIDE OF THE RAMP SIDE.

2: REPEAT FOR THE OTHER RAMP SIDE.

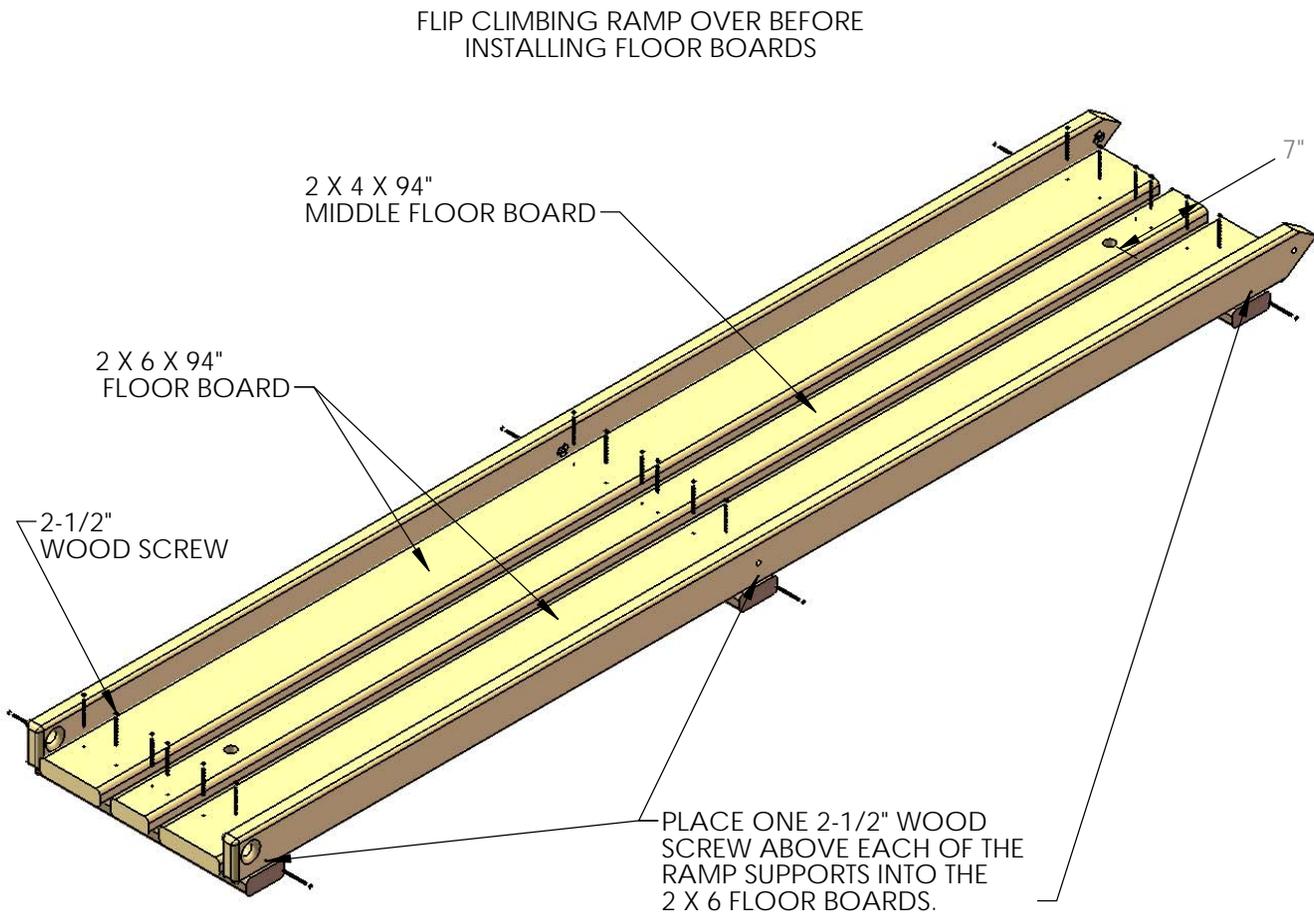


STEP 17: CLIMBING RAMP

1: FLIP THE CLIMBING RAMP OVER. PLACE ONE 2 X 6 X 94" FLOOR BOARD AGAINST EACH OF THE RAMP SIDE BOARDS. FASTEN THE FLOOR BOARDS TO THE RAMP SUPPORT BOARDS WITH TWO 2-1/2" WOOD SCREWS PER SUPPORT.

2: PLACE THE 2 X 4 X 94" MIDDLE FLOOR BOARD ON THE CENTER OF THE RAMP. THE HOLE AT 7" SHOULD BE TOWARDS THE ANGLED END OF THE RAMP. FASTEN THE FLOOR BOARD TO THE RAMP SUPPORT BOARDS WITH TWO 2-1/2" WOOD SCREWS PER SUPPORT.

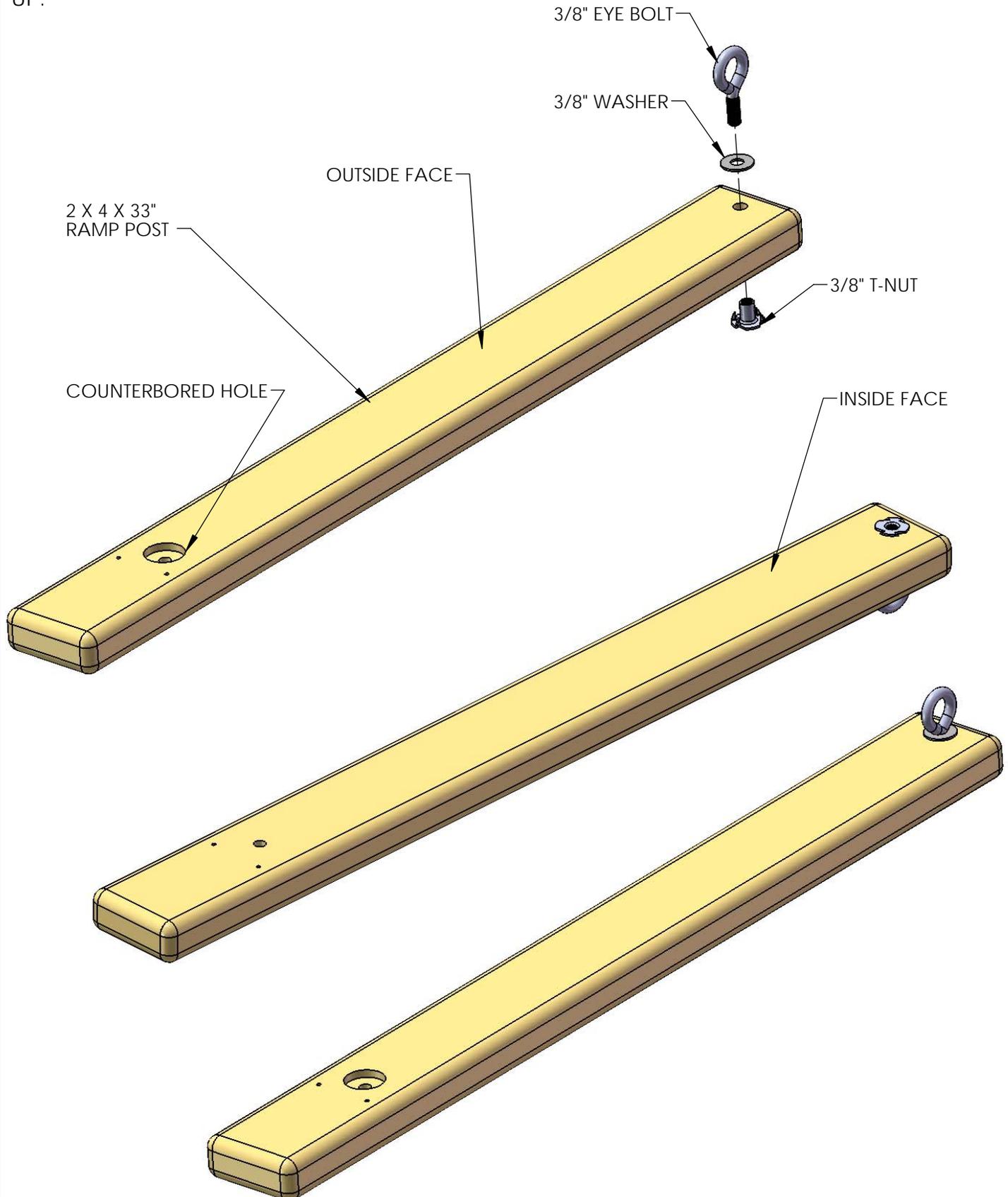
3: PLACE ONE 2-1/2" WOOD SCREW THROUGH THE RAMP SIDE BOARDS, ABOVE EACH OF THE RAMP SUPPORTS INTO THE 2 X 6 FLOOR BOARDS.



STEP 17A: CLIMBING RAMP

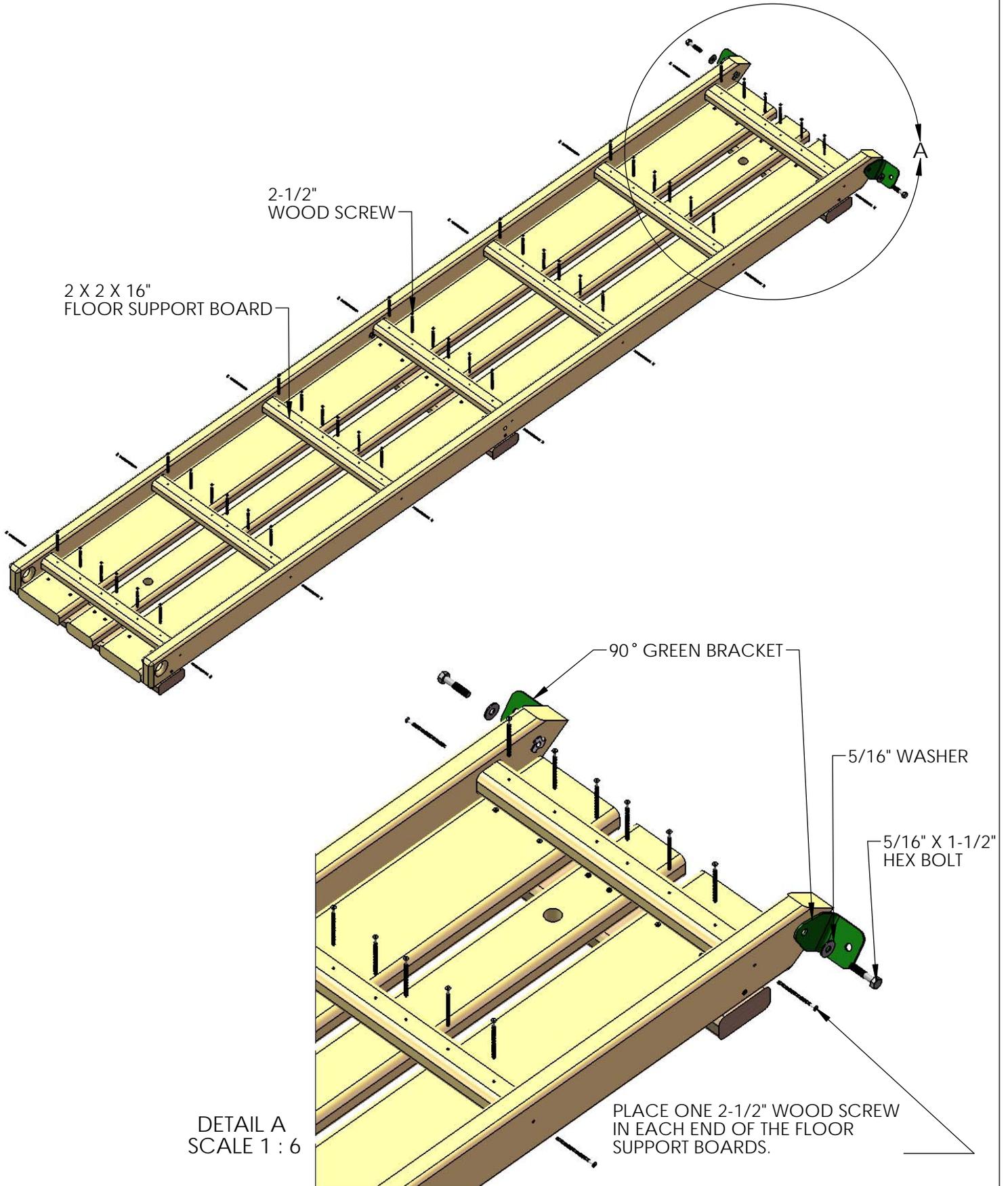
1: HAMMER A 3/8" T-NUT INTO THE INSIDE OF EACH POST. NOTE THIS IS THE SIDE OF THE POST THAT DOES NOT HAVE THE COUNTERBORED HOLE.

2: SCREW A 3/8" EYE BOLT WITH A WASHER INTO THE T-NUT SO IT LOOKS LIKE THE BOTTOM PICTURE. DO NOT TIGHTEN THE EYE BOLT SO TIGHTLY THAT IT CRACKS THE WOOD. JUST SNUG IT UP.



STEP 18: CLIMBING RAMP

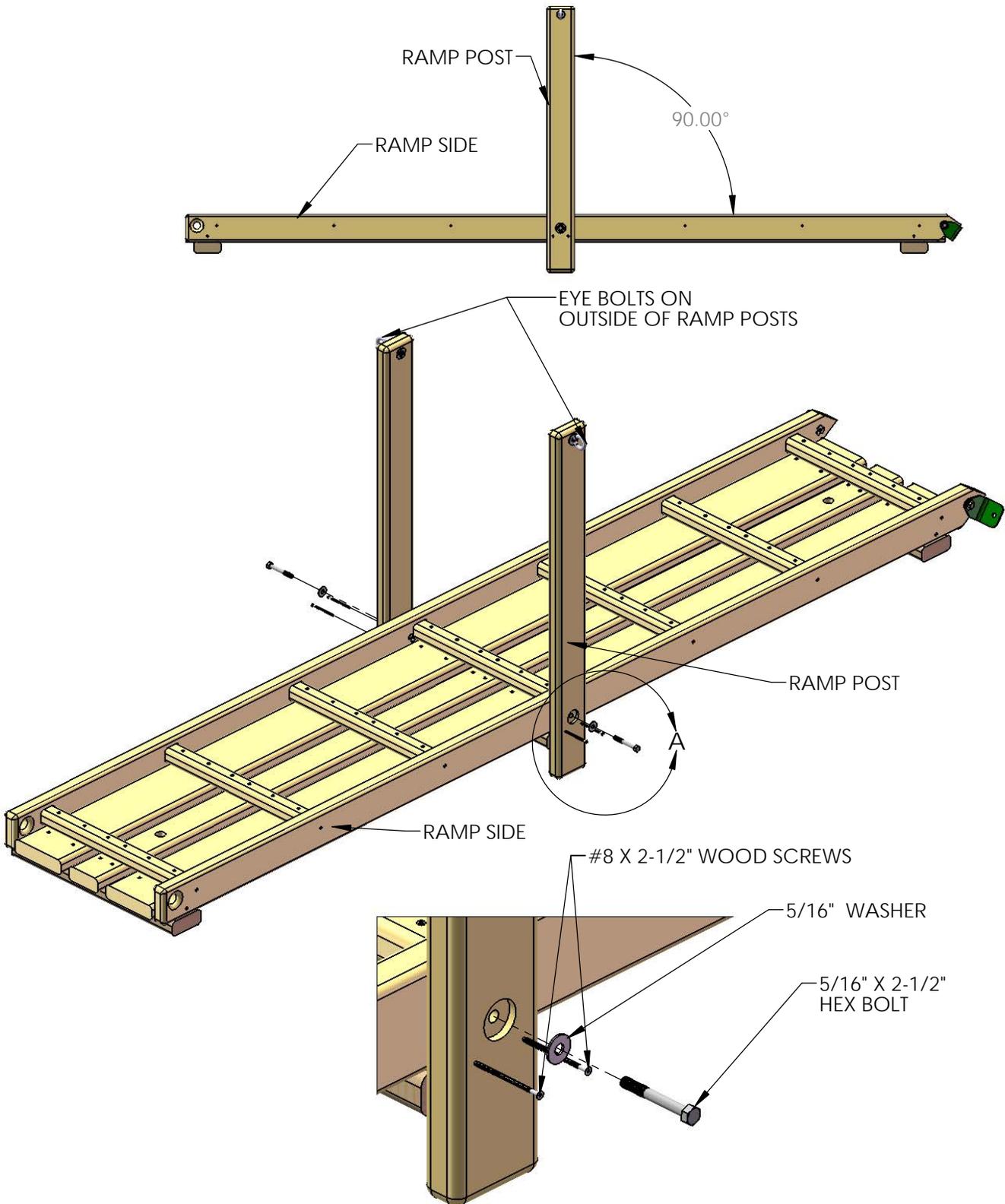
- 1: ATTACH THE 2 X 2 X 16" FLOOR SUPPORT BOARDS TO THE FLOOR BOARDS WITH 2-1/2" WOOD SCREWS. (SEE DETAIL VIEW BELOW)
- 2: FASTEN THE 90° GREEN BRACKET TO THE RAMP SIDES WITH 5/16" X 1-1/2" HEX BOLTS AND 5/16" WASHERS.



STEP 18A: CLIMBING RAMP

1: ATTACH A RAMP POST TO EACH RAMP SIDE WITH 5/16" X 2-1/2" HEX BOLTS AND 5/16" WASHERS. THE EYE BOLTS SHOULD BE ON THE OUTSIDE OF THE RAMP POSTS

2: SQUARE THE RAMP POST TO THE RAMP SIDE AND DRIVE IN TWO 2-1/2" WOOD SCREWS TO SECURE IT.



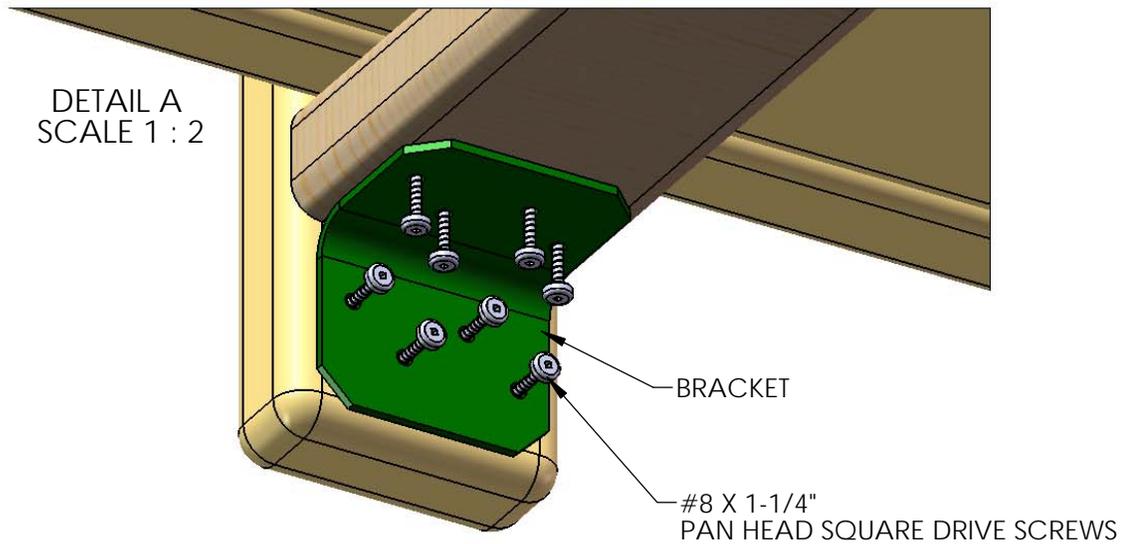
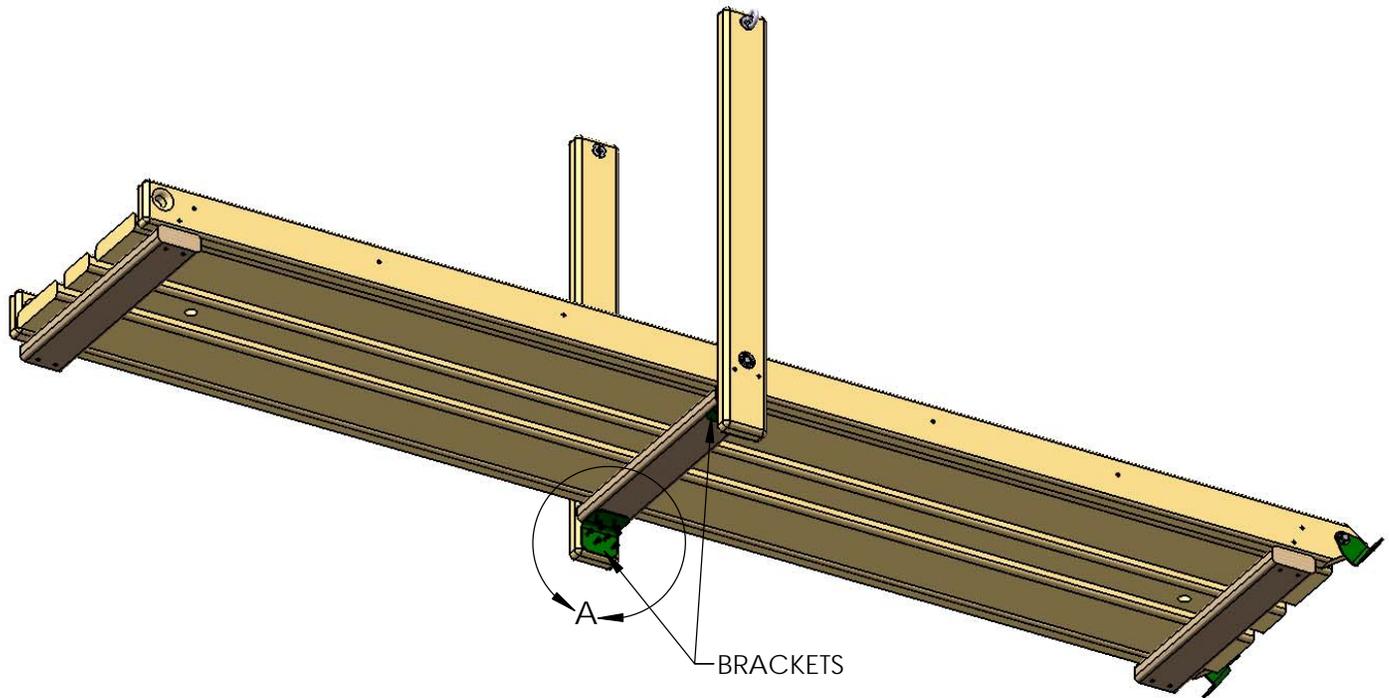
DETAIL A
SCALE 1 : 4

STEP 18B: CLIMBING RAMP

1: FASTEN A BRACKET AS SHOWN UNDERNEATH THE RAMP TO THE RAMP POST AND THE RAMP SUPPORT.

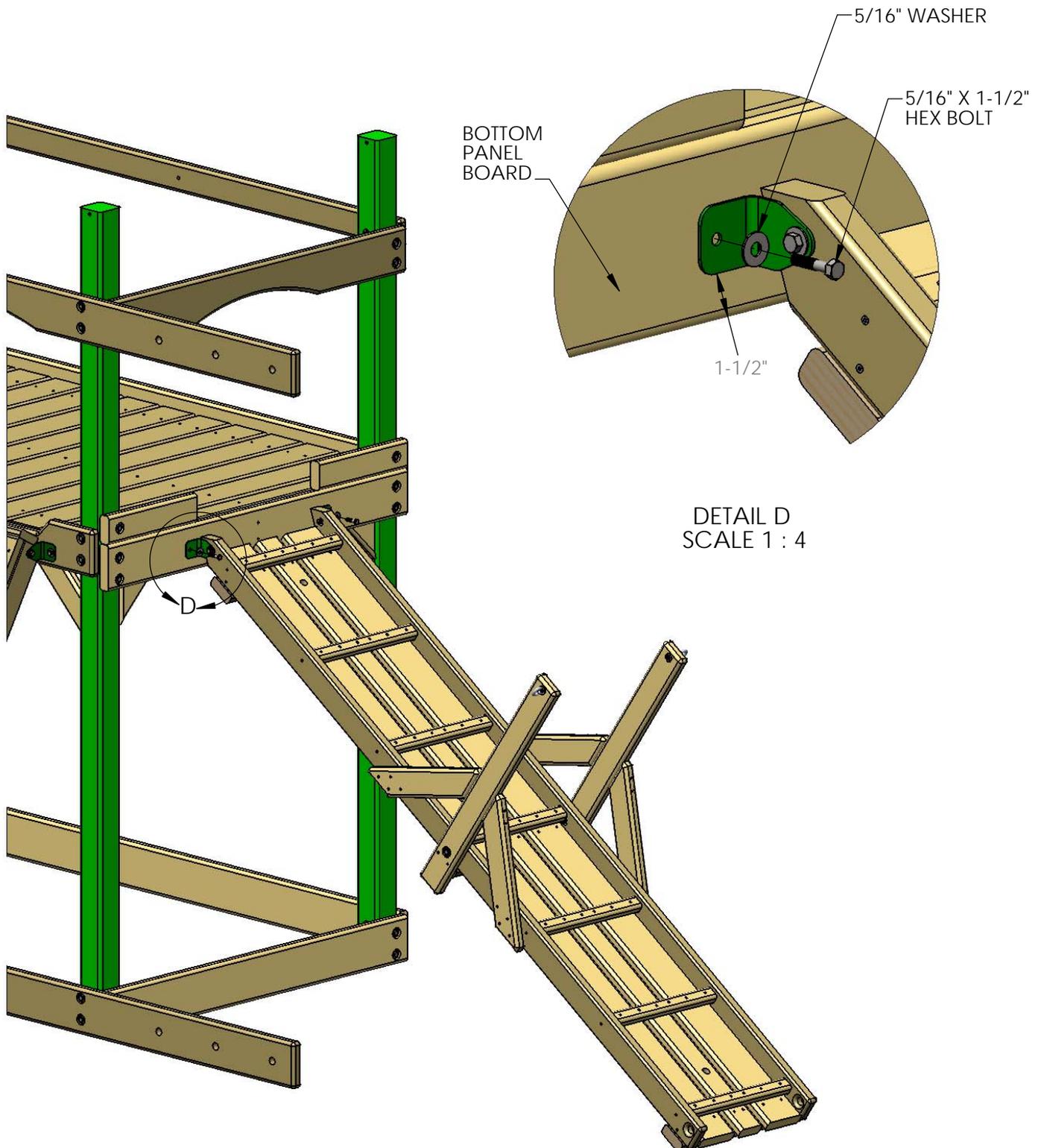
2: USE #8 X 1-1/4" PAN HEAD SQUARE DRIVE SCREWS TO ATTACH THE BRACKET.

3: REPEAT FOR THE RAMP POST ON THE OTHER SIDE.



STEP 19: CLIMBING RAMP TO FORT

- 1: PLACE THE CLIMBING RAMP INTO POSITION CENTERED ON THE RIGHT SIDE ON THE FORT. THE BOTTOM EDGE OF THE GREEN BRACKETS SHOULD BE 1-1/2" ABOVE THE BOTTOM OF THE BOTTOM PANEL BOARD. USING THE BRACKETS AS A TEMPLATE DRILL A 3/8" HOLE THROUGH THE BOTTOM PANEL BOARD.
- 2: FROM THE UNDERSIDE OF THE DECK INSERT A T-NUT INTO THE BACKSIDE OF THE 3/8" HOLES IN THE BOTTOM PANEL BOARD.
- 3: ATTACH THE CLIMBING RAMP WITH 5/16 X 1-1/2" HEX BOLTS AND 5/16" WASHERS.
- 4: WHEN THE 90° BRACKETS ARE SECURE, AND THE RAMP IS IN ITS FINAL POSITION; TIGHTEN THE 5/16 X 1-1/2" BOLTS ON THE RAMP SIDES.



STEP 19A: ROPE MOUNT

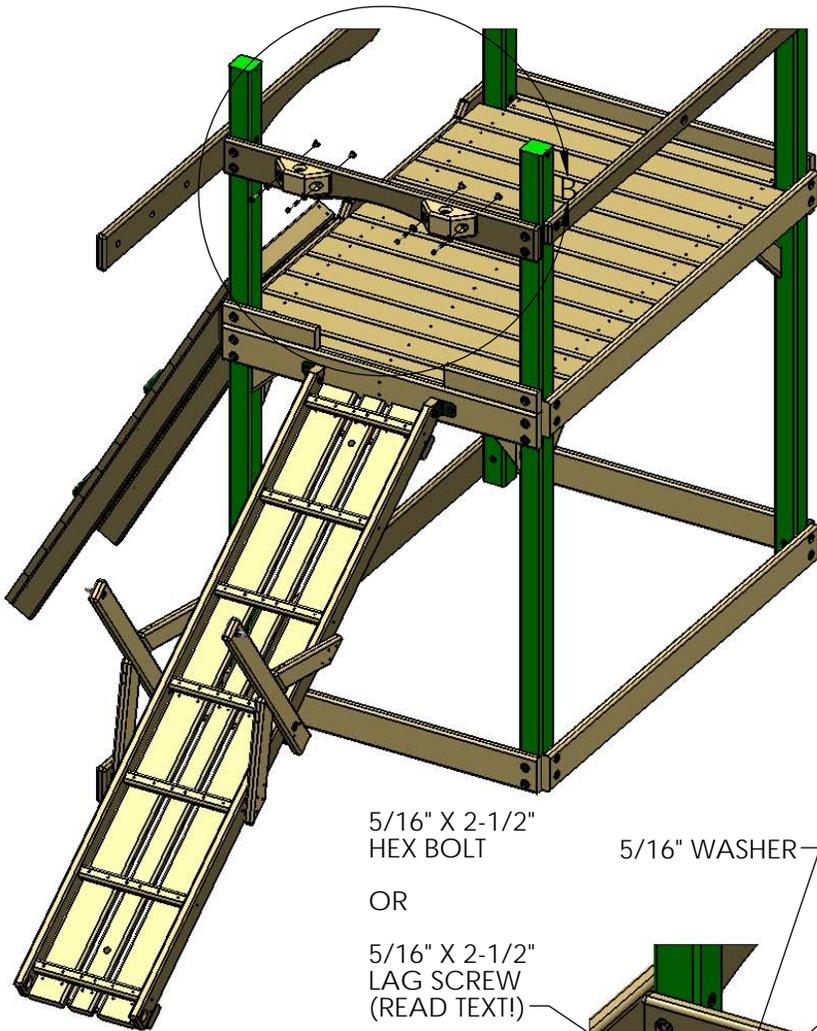
1: PLACE THE 4 X 4 X 8" ROPE MOUNTS ONTO THE FRONT OF THE ARCHED TOP PANEL BOARD FLUSH TO THE TOP. EACH ROPE MOUNT SHOULD BE 8-3/4" FROM THE END OF THE ARCHED TOP PANEL BOARD AS SHOWN IN DETAIL B BELOW.

YOU MAY CHOOSE TO USE 5/16" X 2-1/2" LAG SCREWS WITH WASHERS OR T-NUTS WITH BOLTS TO ATTACH THE ROPE BLOCKS. IF YOU USE LAG SCREWS THEN CONTINUE READING BELOW. IF YOU USE BOLTS THEN GO TO 2 BELOW.

IF YOU CHOOSE THE LAG SCREW METHOD THEN PRE-DRILL 9/64" HOLES BY 1" DEEP USING THE ROPE MOUNT HOLES AS A GUIDE. THEN ATTACH THE MOUNTS WITH 5/16" X 2-1/2" LAG SCREWS WITH WASHERS. DO NOT OVER-TIGHTEN.

2: USE THE HOLES AS A GUIDE TO DRILL 3/8" DIAMETER HOLES THROUGH THE ROPE LADDER SUPPORT. DRILL CAREFULLY SO YOU DO NOT SPLINTER THE WOOD AS THE DRILL BIT EXITS THE OTHER SIDE. YOU MAY PLACE A SCRAP BLOCK OF WOOD ON THE BACK SIDE OF WHERE YOU ARE DRILLING TO PREVENT SPLINTERING, **BUT DO NOT PLACE YOUR HAND NEAR THE DRILLING AREA.**

3: HAMMER IN 5/16" T-NUTS INTO THE BACK SIDE OF THE HOLES AS SHOWN. NOW ATTACH THE ROPE MOUNTS WITH 5/16" X 2-1/2" HEX BOLTS AND 5/16" WASHERS.



DETAIL B
SCALE 1 : 12

5/16" X 2-1/2"
HEX BOLT

OR

5/16" X 2-1/2"
LAG SCREW
(READ TEXT!)

5/16" WASHER

5/16" T-NUT

4 X 4 X 8"
ROPE MOUNTS

8 3/4"

8 3/4"

STEP 19B: RAMP ROPE HANDRAILS

1: LOCATE THE RAMP ROPES THAT ARE IDENTICAL IN LENGTH. THEY SHOULD BE APPROXIMATELY 12 TO 13 FEET IN LENGTH. IF YOU HAVE FIVE 13 FOOT ROPES THAT IS FINE, HOWEVER IF TWO ARE 12 FEET THEN USE THEM.

2: TIE A KNOT IN ONE END OF A ROPE WITH THE END HANGING OUT ABOUT 2" FROM THE END OF THE KNOT. THREAD THE OTHER END OF THE ROPE THROUGH THE OUTSIDE OF THE RAMP SIDE. NOW THREAD IT THROUGH THE EYE BOLT. NOW THREAD IT THROUGH THE HOLE IN THE ROPE MOUNT ON THE ROPE LADDER SUPPORT. REPEAT THIS PROCESS FOR THE OTHER ROPE ON THE OTHER SIDE OF THE RAMP.

3: TO MAKE THE ROPE TIGHT PLACE A SCRAP BLOCK AROUND 4" THICK UNDER THE BOTTOM END OF THE RAMP TO ELEVATE IT. NOW TIE A KNOT IN THE END OF THE ROPES AT THE ROPE MOUNTS. REMOVE THE 4" SCRAP BLOCK FROM UNDER THE END OF THE RAMP. THE ROPES SHOULD TIGHTEN AND THE RAMP SHOULD BE ON THE GROUND. IF THE RAMP IS ELEVATED OFF THE GROUND THEN YOU SHOULD PUT A SMALLER BLOCK UNDER THE END OF THE RAMP AND THEN RETIE THE ENDS NEAR THE ROPE MOUNTS.

4: IF THERE IS ANY EXTRA LENGTH OF ROPE AT THE ROPE MOUNTS THEN TIE AN ADDITIONAL KNOT IN THE EXTRA LENGTH IF POSSIBLE.

****SAFETY CHECK**** - STAND ON THE END OF THE RAMP AT GROUND LEVEL WITH YOUR WEIGHT ON THE RAMP. GRAB EACH ROPE AND ATTEMPT TO WRAP THEM AROUND YOUR HAND. IF EITHER ROPE WRAPS AROUND YOUR HAND THEN IT IS TOO LOOSE, UNTIE THE ROPE AT THE ROPE MOUNT AND RETIE IT UNTIL IT NO LONGER WRAPS AROUND YOUR HAND.

