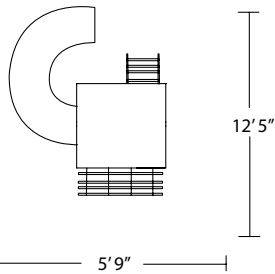


PINEHURST

PLAY CENTER

REV. Mar. 1 / 06



Setup Dimensions
with Safety Clearance: 18' x 24' 5" l.



High Rail Wave Slide



I M P O R T A N T

DO NOT return this product to the store. Please call toll free
1-877-WOODSET (966-3738)

for questions, assembly help or assistance with missing or defective parts.

Prior to assembling your play center please read your
Big Backyard Owners Manual.



solo)wave design
375 Sligo Rd. W. • P.O. Box 10
Mount Forest • Ontario • Canada • N0G 2L1
Phone: 519-323-3833 • Fax: 519-323-4186
TOLL FREE: 1-877-WOODSET (966-3738)
www.solowavedesign.com

ABOUT OUR WOOD

Solowave Design™ uses only Premium playground lumber ensuring the safest product for your children's use. Although great care has taken place in selecting the best quality lumber available, wood is a product of nature and susceptible to weathering (changes in the aesthetics of the wood). For your information we have described some changes that may occur as a result of weathering:

1. **Checking** – checks are surface cracks in the wood along the grain. 4" x 4" material will experience more checking than 2", 1-1/4" or 1" material because the surface and interior moisture content will vary more widely the thinner wood.
2. **Warping** – warping refers to any distortion (twist, cupping) from the true plane that may take place during weathering.
3. **Fading** – wood exposed to sunlight will over time turn a gray color.

Note: The above changes will not effect the strength of the product.

What Causes Weathering?

One of the main reasons for weathering is the effect of water (moisture); the moisture content of the wood at the surface is different than the interior of the wood. As the moisture moves in or out of the wood (result of climate changes) the different moisture content causes tension in the wood, which can result in checking and/or warping.

Due to changes in the climate, moisture moves in and out of the wood.



Moisture content will vary through-out any piece of wood

How can I reduce the amount of weathering to my Play Center?

At the factory we have added water repellent to the stain. This water repellent decreases the amount of water absorption during rain or snow thus decreasing the tension in the wood. Sunlight will breakdown the water repellent, so we recommend to apply a water repellent on a yearly basis (see your local stain/paint supplier for a recommended products). Also if storing the product before installation, make sure you store out of direct sunlight in a cool dry place.

Will Weathering effect the Strength of my Play Center?

Most weathering is just the normal result of nature and will not effect the safe play and enjoyment for your child. However if you are concerned that a part has experienced a severe weathering problem please call our customer service department for further assistance.

Important Information:
Please ensure this page is read.

Big Backyard
Play BIG! in any yard by solo)wave®

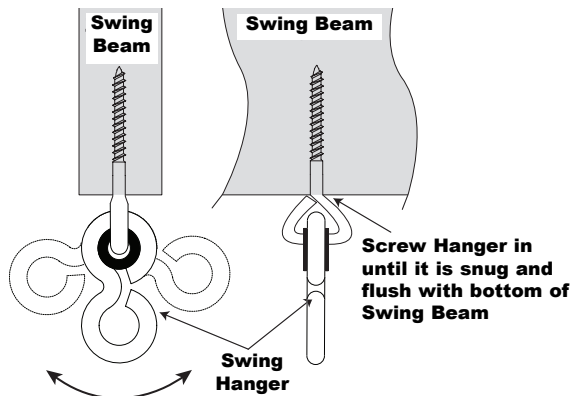
HELPFUL HINTS

TOOLS REQUIRED



SWING HANGERS

Swing hangers must be screwed into the wood the full length of the shaft, so that the triangular head is touching the wood (see swing hanger diagram). Failure to correctly install swing hangers may result in the hanger itself breaking, or the hanger becoming dislodged from the wood. Either circumstance can cause serious injury. Big Backyard cannot assume any responsibility for incorrect installation of swing hangers.



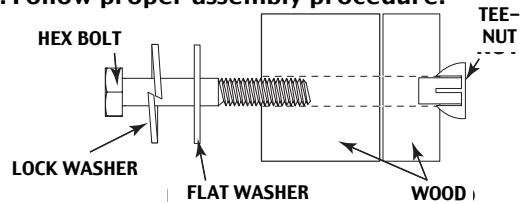
Important Information:
Please ensure this page is read.

TEE-NUTS & LOCK WASHERS

Place tee-nut in hole and tap into place with hammer. Insert the hex bolt through, first the lock washer and then the flat washer, and feed through hole. Hand tighten to ensure bolt and tee-nut connection (this may not be possible due to coating on hardware, if not use a ratchet), and then proceed with ratchet. **DO NOT** over tighten, hardware should not crush wood.

A 1/4" lock washer and flat washer, are used with 1/4" hex bolt or 5/16" with 5/16".

NOTE: Follow proper assembly procedure.



HARDWARE

When making the selection of 1/4" and 5/16" hardware, carefully read the instructions in each step of this manual to ensure the proper hardware is used.

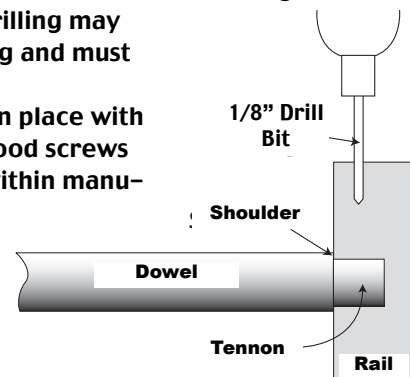
Note: 5/16" Hardware is larger in diameter than 1/4".

The Swing Brace Plate has a total of 5 holes, and they are all used depending on where you are installing it. When installing the plates, pay close attention to the holes required. When complete the swing end should be angled out (away from fort) approx. 110°

NOTE: In the event that Hex Bolt is exposed beyond the tee-nut, please disassemble, add another flat washer to head of hex bolt and then reassemble until correct.

DOWEL INSTALLATION

1. Insert Dowel into provided holes until the shoulder of tenon is flush to the face of the Swing Rail or Access Rail.
2. Pre-drill a 3" x 1/8" hole through Rail or Post prior to securing with wood screw. Securing with screw prior to pre-drilling may lead to cracking and must be avoided.
3. Secure dowel in place with appropriate wood screws as instructed within manual.



WOOD PARTS IDENTIFICATION

PARTS IDENTIFICATION HELPFUL HINTS:

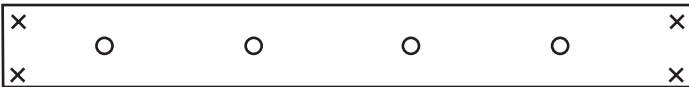
DUE TO THE FACT THAT WOOD IS A NATURAL SUBSTANCE, SLIGHT WARPING OR TWISTING MAY OCCUR WHILE IT IS IN THE CARTON. HOWEVER, THE WOOD WILL STRAIGHTEN OUT ONCE ASSEMBLED. ALSO, DUE TO WEATHER CHANGES, EXPANSIONS AND CONTRACTION OF WOOD MAY CAUSE SLIGHT CHECKING AND DISTORTION. THIS IS A NATURAL CHARACTERISTIC OF WOOD AND WILL NOT AFFECT THE STRUCTURAL INTEGRITY OF THE PLAY CENTER.

1. WHILE DUEING INVENTORY IT IS HANDY TO LABEL YOUR PARTS WITH A PIECE OF CHALK. THIS WILL ALLOW FOR EASY IDENTIFICATION WHEN ASSEMBLING THE UNIT, AND THE CHALK WILL WASH OFF IN THE RAIN.
2. WOOD PARTS ACTUAL DIMENSIONS VARY DUE TO MOLDING. FOR EXAMPLE A 2" x 4" PIECE OF WOOD AFTER MOLDING WILL BE 1-3/8" x 3-3/8".
3. DURING THE COURSE OF ASSEMBLY, YOU MIGHT FIND A SPLINTER OR A ROUGH EDGE. TO REMOVE, GENTLY APPLY MEDIUM GRIT SANDPAPER TO THE AREA UNTIL SMOOTH.

7 - Cedar Wall Boards 1" x 6" x 34-1/4"



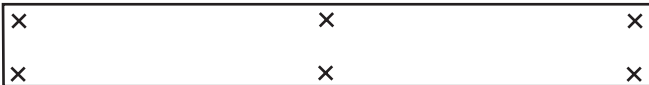
1 - Rope Ladder Bottom 5/4" x 6" x 46-3/4"



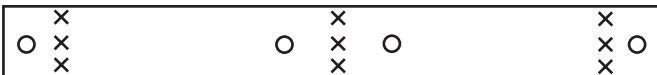
1 - Front Divider 2" x 4" x 43-3/8"



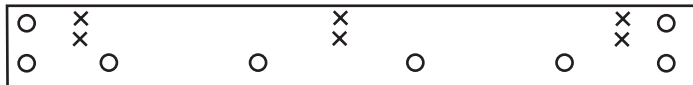
1 - Cedar Gap 1" x 6" x 42-1/2"



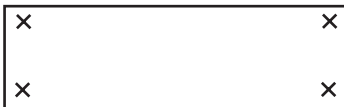
1 - Floor Front 2" x 4" x 45-1/2"



1 - Rope Top 5/4" x 6" x 46-3/4"



1 - Sandbox End 5/4" x 6" x 20"



2 - Floor Side 5/4" x 6" x 46-3/4"



3 - Floor Joist 2" x 3" x 43-1/8"



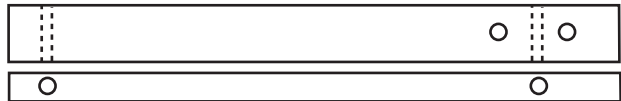
2 - Top Side 5/4" x 4" x 46-3/4"



2 - Top End 5/4" x 4" x 46-3/4"



2 - Swing Mount 2" x 3" x 41-3/4"



2 - Sandbox Diagonal 2" x 3" x 35"



2 - Gingerbread Trim 1" x 4" x 38"



Nominal Material Sizes

Named Size in Inches	True Size in Inches
5/4 x 4	1 x 3-1/2
5/4 x 5	1 x 4-1/2
5/4 x 6	1 x 5-1/2
2 x 3	1-3/8 x 2-1/2
2 x 4	1-3/8 x 3-3/8
3 x 6	2-3/8 x 5-3/8
4 x 4	3-3/8 x 3-3/8

Estimated Size After Molding

WOOD PARTS IDENTIFICATION

7 - Cedar Floor Boards
1" x 6" x 45-1/2"



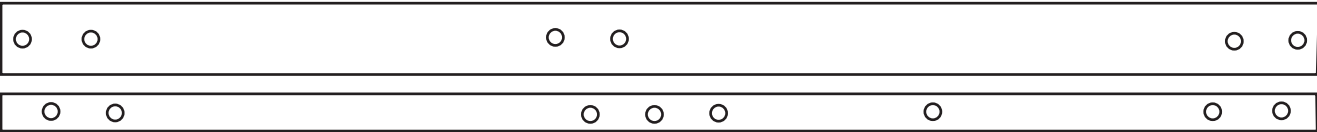
3 - Tennon Dowel
1-1/8" x 18-5/8"



1 - Roof Ridge
2" x 2" x 47-3/4"



4 - Post
2" x 4" x 83"



2 - Sandbox Sides
1" x 6" x 65"



2 - Ground Stake
2" x 2" x 14"



2 - Access Rail (1 Left / 1 Right)
2" x 3" x 50"



1 - Gusset
2" x 3" x 16"



1 - Sandbox
1" x 6" x 46-3/4"



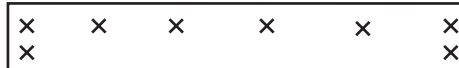
4 - Roof Support
2" x 2" x 31"



1 - Floor Gap
2" x 4" x 22-1/2"



1 - Wall Support
5/4" x 4" x 27-1/2"



1 - Slide Brace
2" x 3" x 27-1/2"



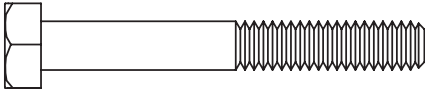
HARDWARE PARTS IDENTIFICATION

Parts Identification Helpful Hints:

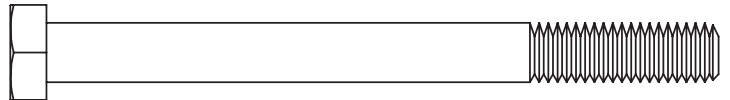
1. During assembly DO NOT fully tighten bolts unless instructed. Fully tightened bolts may not allow for other hole alignments.
2. Before children use the play center, make sure all hardware is tightened, all ground stakes are installed, and any remaining wood, hardware and packaging materials are removed from the play area.
3. Be careful not to over-tighten hardware as it will crush wood fibers and result in splintering.

NOTE HARDWARE IS TO SCALE.

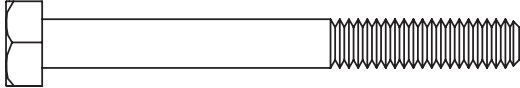
10 - 1/4" x 2" Hex Bolts



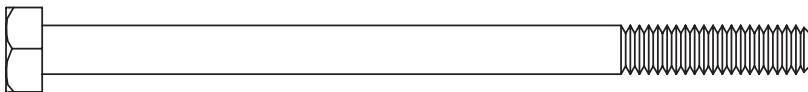
4 - 5/16" x 3-1/2" Hex Bolts



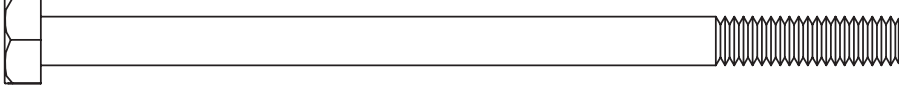
12 - 1/4" x 2-1/2" Hex Bolts



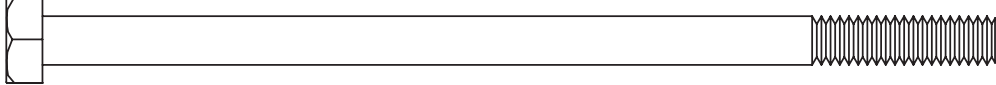
4 - 1/4" x 4" Hex Bolts



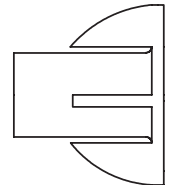
9 - 1/4" x 4-1/2" Hex Bolts



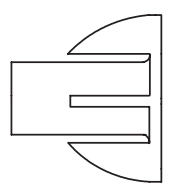
7 - 1/4" x 5" Hex Bolts



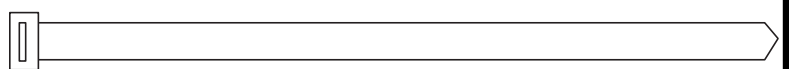
4 - 5/16" Tee Nuts



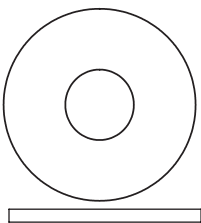
43 - 1/4" Tee Nuts



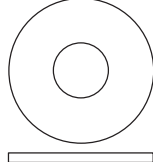
8 - CableTies



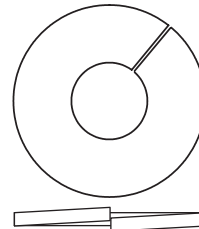
4 - 5/16" Flat Washers



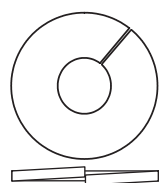
43 - 1/4" Flat Washers



4 - 5/16" Lock Washers



43 - 1/4" Lock Washers



HARDWARE PARTS IDENTIFICATION

NOTE HARDWARE IS TO SCALE.

14 - #8 Flat Washers



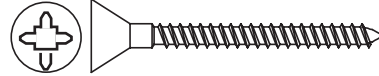
2 - #12 x 2" Pan Screw



14 - #8 x 1/2" Pan Screw



88 - #8 x 1-1/2" Wood Screw



8 - #8 x 2-1/2" Wood Screw

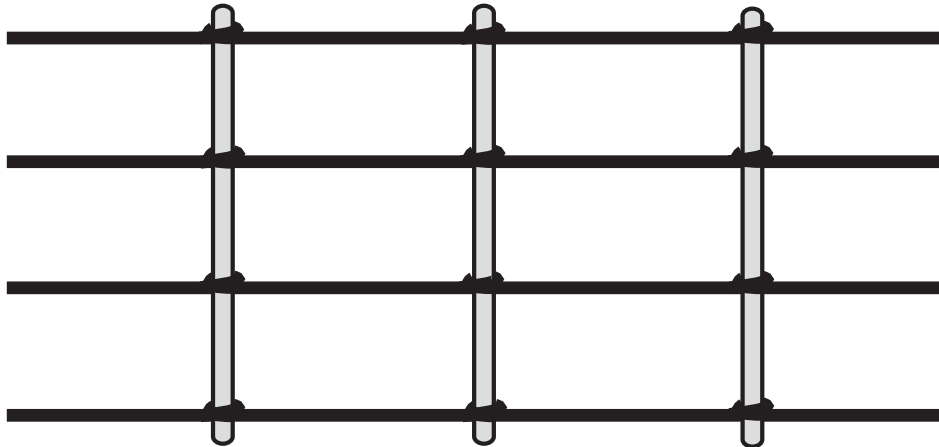


28 - #8 x 3" Wood Screw

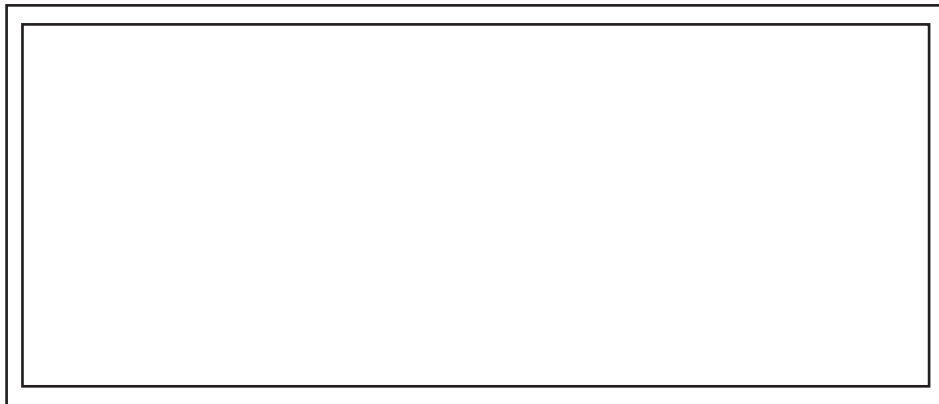


ACCESSORY PARTS IDENTIFICATION

1 - Cargo Rope Ladder



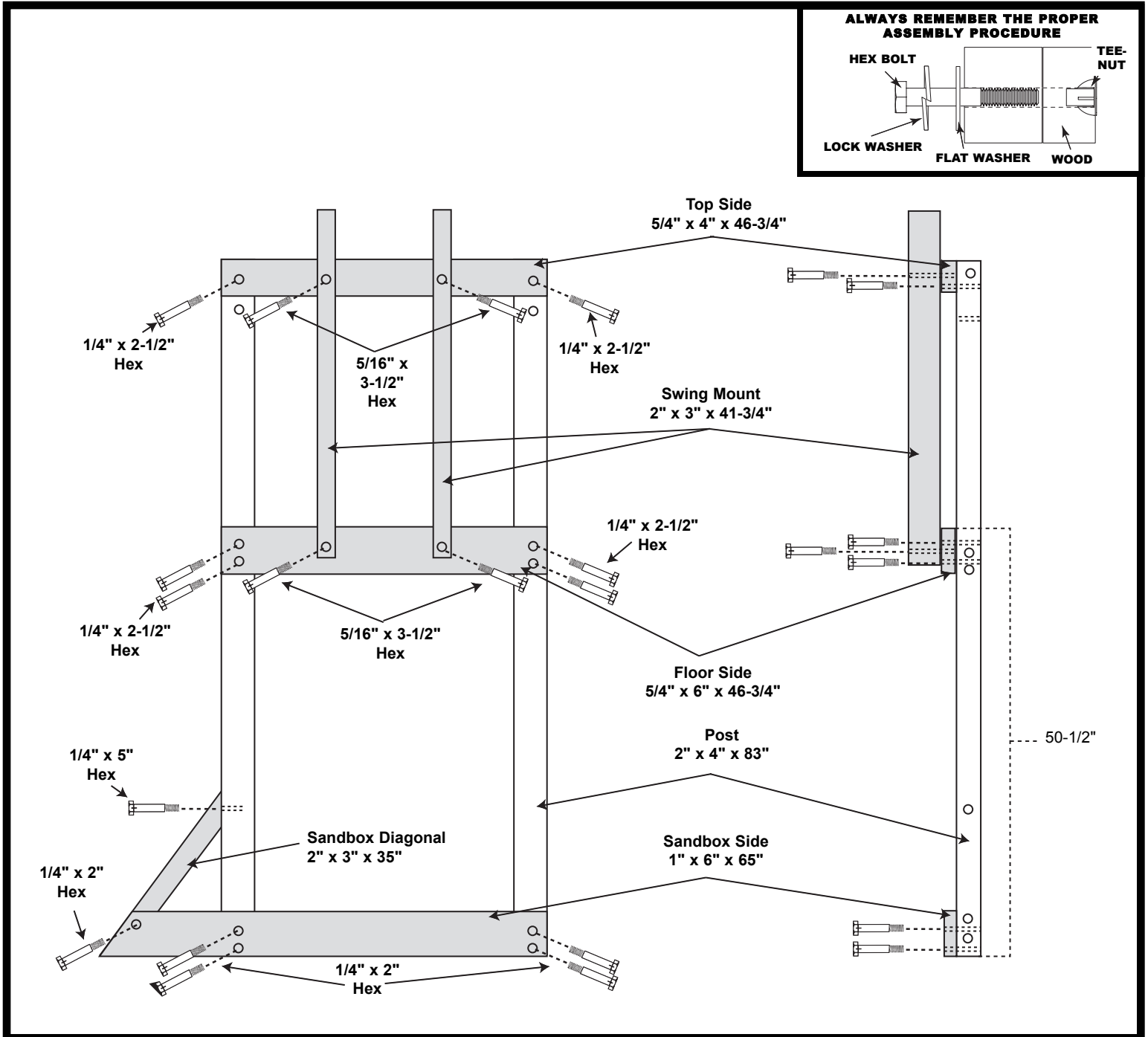
1 - Tarp



STEP 1 - ASSEMBLE SWING SIDE WALL

- A. Using two 1/4" x 2-1/2" Hex Bolts attach Top Side 5/4" x 4" x 46-3/4" to Posts 2" x 4" x 83".
- B. Using four 1/4" x 2-1/2" Hex Bolts connect Floor Side 5/4" x 6" x 46-3/4" to Posts 2" x 4" x 83".
- C. Using four 1/4" x 2" Hex Bolts connect Sand Box Side 1" x 6" x 65" to Posts 2" x 4" x 83".
- D. Using four 5/16" x 3-1/2" Hex Bolts connect Swing Mount 2" x 3" x 41-3/4" to Top Side 5/4" x 4" x 46-3/4" and Floor Side 5/4" x 6" x 46-3/4".
- E. Using one 1/4" x 5" Hex Bolt and one 1/4" x 2" Hex Bolt connect Sand Box Diagonal 2" x 3" x 35" to Post 2" x 4" x 83" and Sand Box Side 1" x 6" x 65".

NOTE: Do not tighten bolts until a later step.



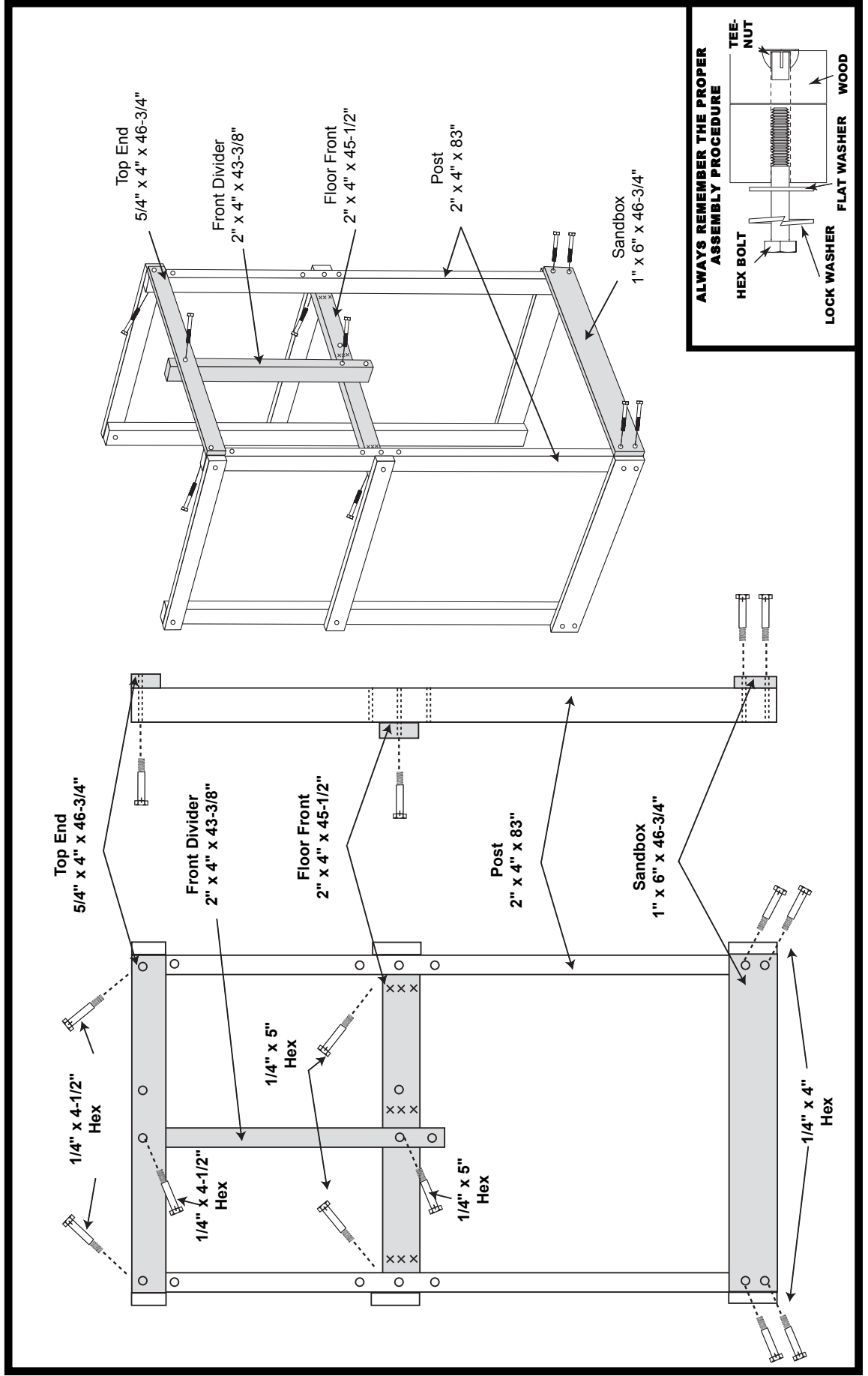
STEP 3 - ASSEMBLE SLIDE SIDE

With a Helper, stand previously assembled walls up & using the posts from those walls, continue assembly.

- A. Using two 1/4" x 4-1/2" Hex Bolts connect Top End 5/4" x 4" x 46-3/4" to Posts 2" x 4" x 83".
- B. Using two 1/4" x 5" Hex Bolts connect Floor Front 2" x 4" x 45-1/2" to Post 2" x 4" x 83" (note: Put T-Nuts in Post and Front Divider).
- C. Using four 1/4" x 4" Hex Bolts connect Sand Box 1" x 6" x 46-3/4" to Posts 2" x 4" x 83".
- D. Using one 1/4" x 4-1/2" Hex Bolt and one 1/4" x 5" Hex Bolt, attach 1 - Front Divider 2" x 4" x 43-3/8", as per diagram.

NOTE: Do not tighten bolts until a later step.

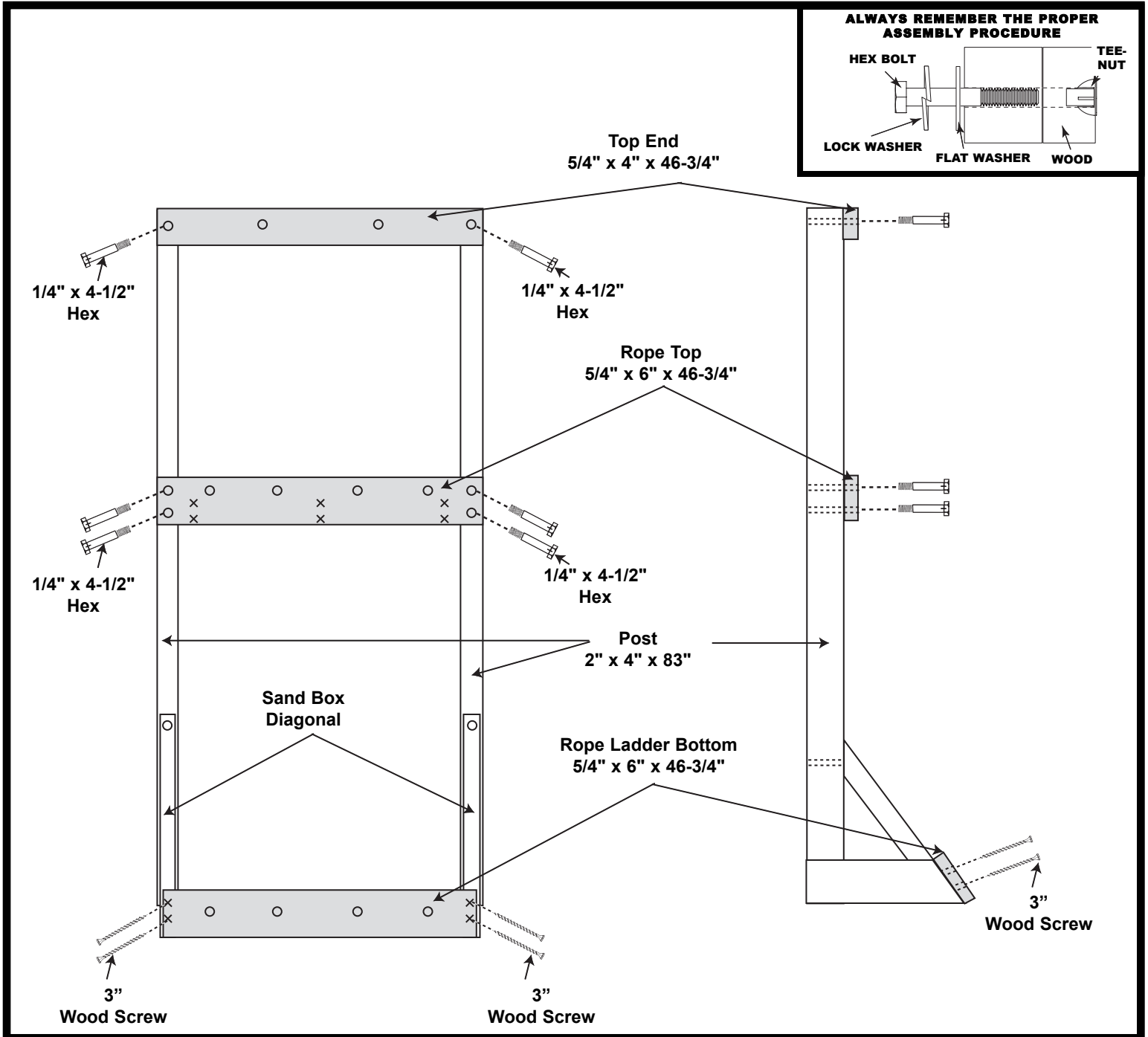
NOTE: When installing Top End and Floor Front, Hex Bolts are inserted from inside fort structure.



STEP 4 - ASSEMBLE ROPE LADDER SIDE

- A. Using two 1/4" x 4-1/2" Hex Bolts connect Top End 5/4" x 4" x 46-3/4" to Post 2" x 4" x 83".
- B. Using four 1/4" x 4-1/2" Hex Bolts connect Rope Top 5/4" x 6" x 46-3/4" to Post 2" x 4" x 83".
- C. Using four 3" Wood Screws connect Rope Ladder Bottom 5/4" x 6" x 46-3/4" to Sand Box Diagonals 2" x 4" x 83".

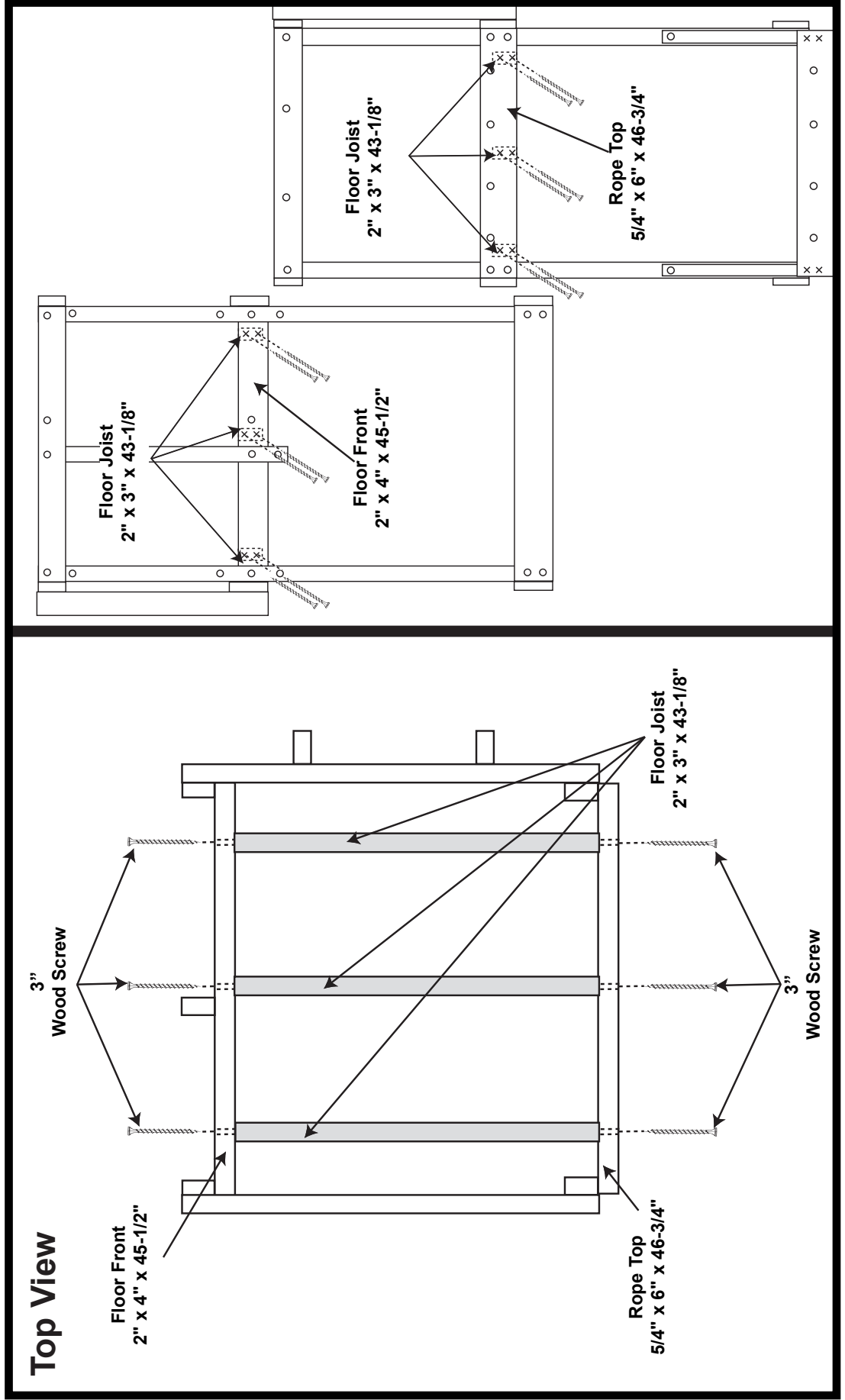
NOTE: Do not tighten bolts until a later step.



STEP 5 - ASSEMBLE PLAY DECK

A. Using twelve 3" Wood Screws connect Floor Joist to Floor Front 2" x 4" x 45-1/2" and Rope Top 5/4" x 6" x 46-3/4"

NOTE: Floor Joists sit flush at the top of Floor Front 2" x 4" x 45-1/2" and flush at the bottom of Rope Top 5/4" x 6" x 46-3/4".



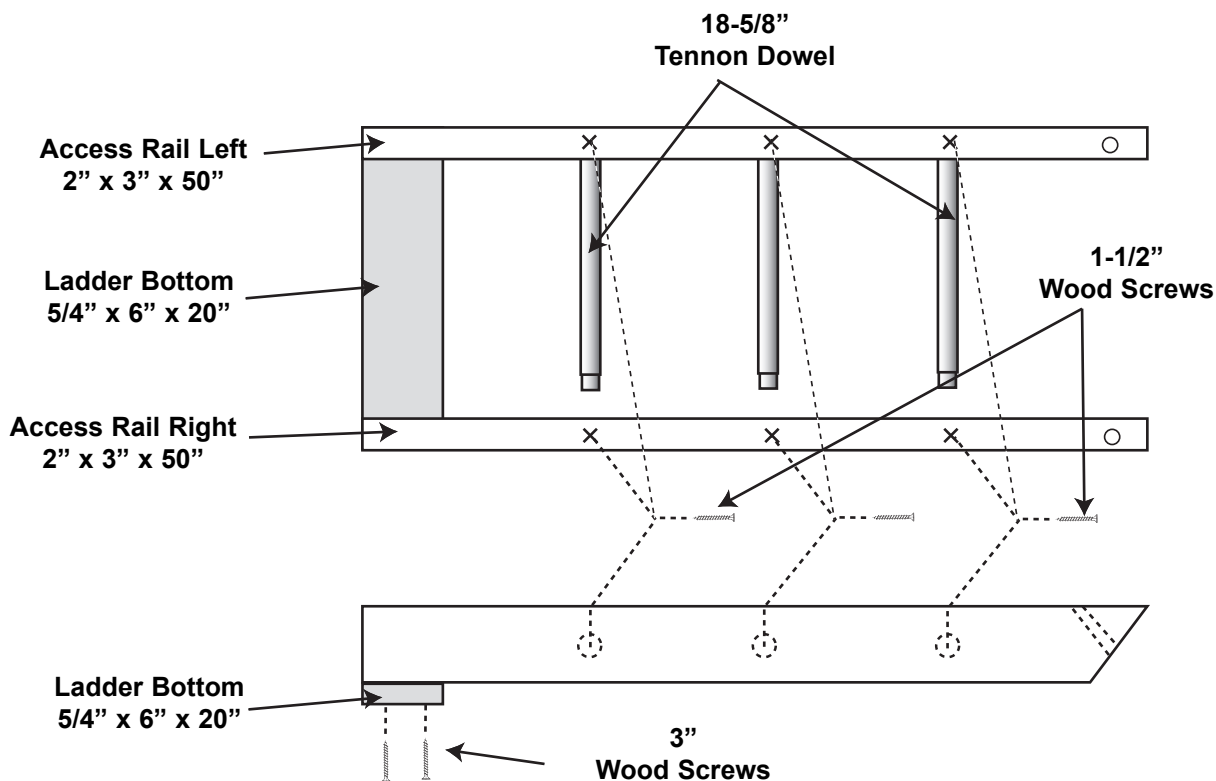
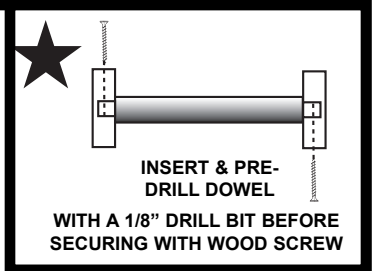
STEP 6 - ASSEMBLE ACCESS LADDER

NOTE: Prior to securing Dowels with Screws, ensure that Dowel is sitting flush to Swing Rail. For proper installation, see "Dowel Installation" on the Helpful Hints page at the beginning of this manual.

A. Using 1-1/2" Wood Screws, Insert and secure Tenon Dowel (18-5/8") to Access Rails (left & Right) (2" x 3" x 50")

NOTE: Insert Dowel & pre-drill a 1/8" hole through both Access Rails and Dowel prior to securing with screw.

B. Using four 3" Wood Screws, attach sandbox end (5/4" x 6" x 20") to bottoms of Access Rails (2" x 3" x 50")



If you have purchased a High Rail Wave Slide with your Pinehurst Play Fort please proceed to the next step. If you have purchased a Spiral Wave Slide with your Pinehurst Play Fort please proceed to step 12 and continue installation.

STEP 7 - ATTACH CEDAR FLOOR & WALL CEDAR

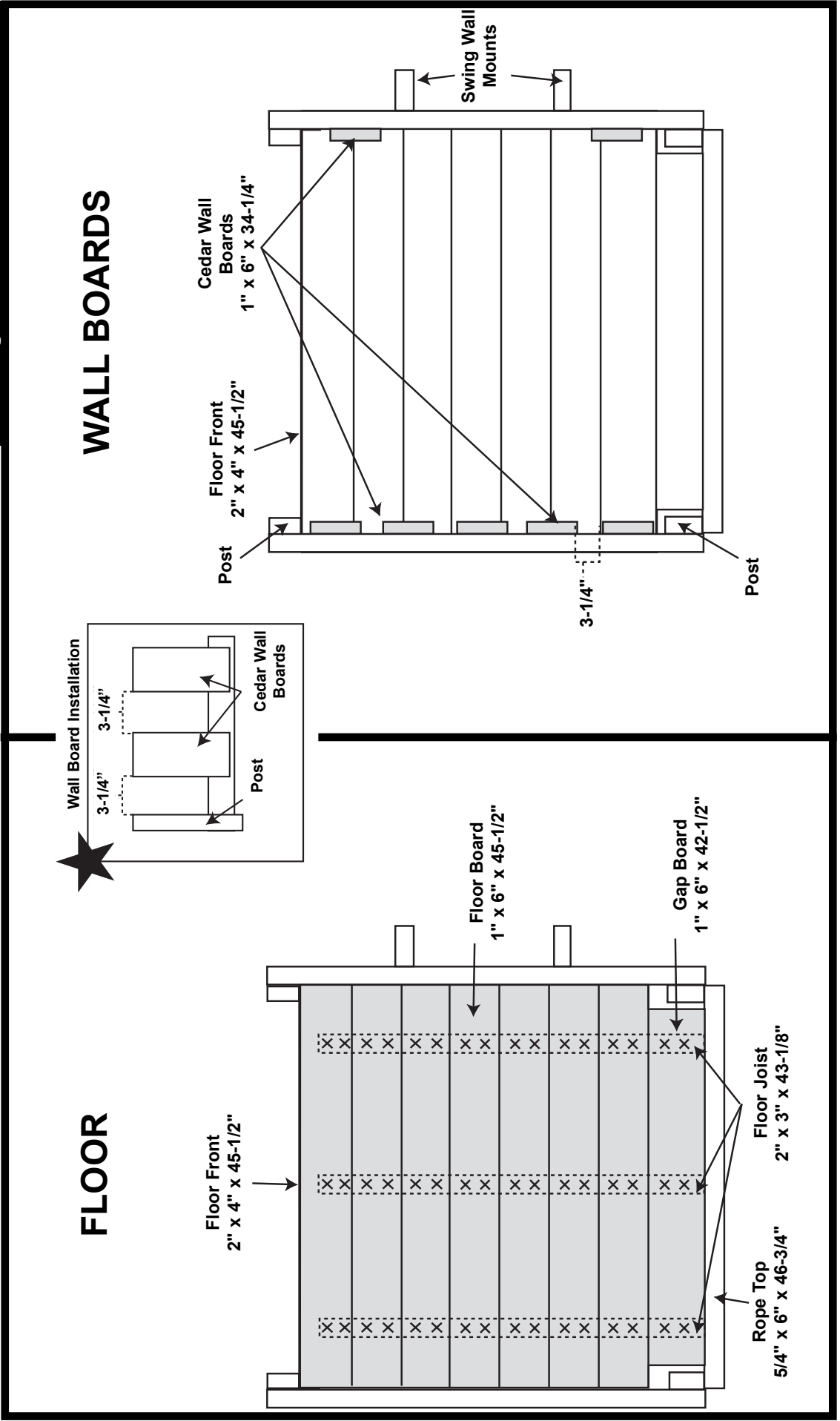
- A. Square up and level fort. Tighten Hex Bolts prior to installing Cedar Wall and Floor Boards
- B. Evenly space and attach seven Floor Boards (1" x 6" x 45-1/2") and one Gap Board (1" x 6" x 42-1/2") using 1-1/2" Wood Screws.

NOTE: Evenly space Cedar Floor Boards on Floor Side prior to securing.

- C. Evenly space and attach 7 Cedar Wall Boards, as per diagram, using 4 - 1-1/2" wood screws per Wall Board.

NOTE: When spacing the wall boards, do not exceed 3-1/4" between Posts, Wall Boards and Swing Wall Mounts.

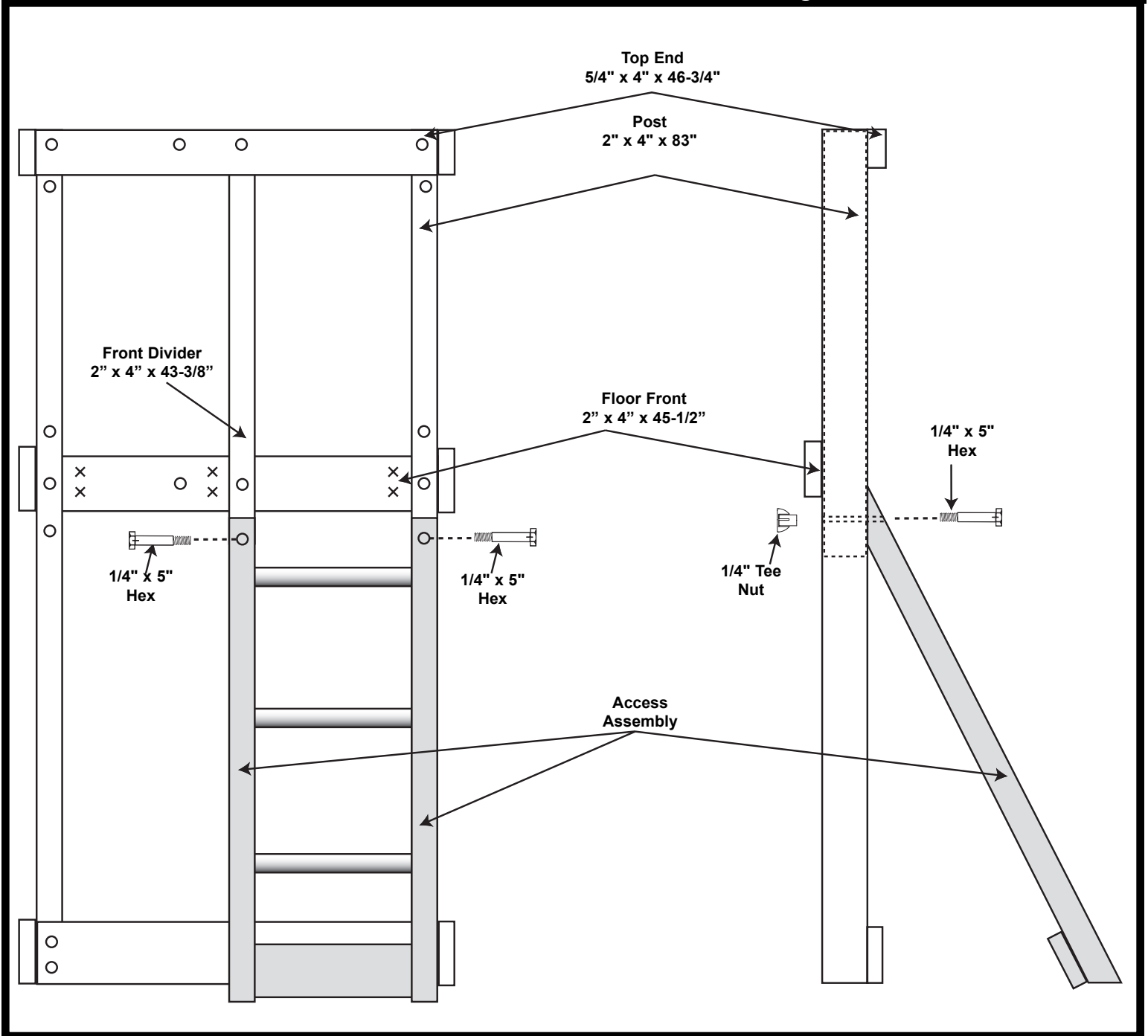
For High Rail Wave Slide Installation



STEP 8 - ATTACH ACCESS ASSEMBLY TO FORT

- A. Using two 1/4" x 5" Hex Bolts connect Access Assembly to Post 2" x 4" x 83" and Front Divider 2" x 4" x 43-3/8".

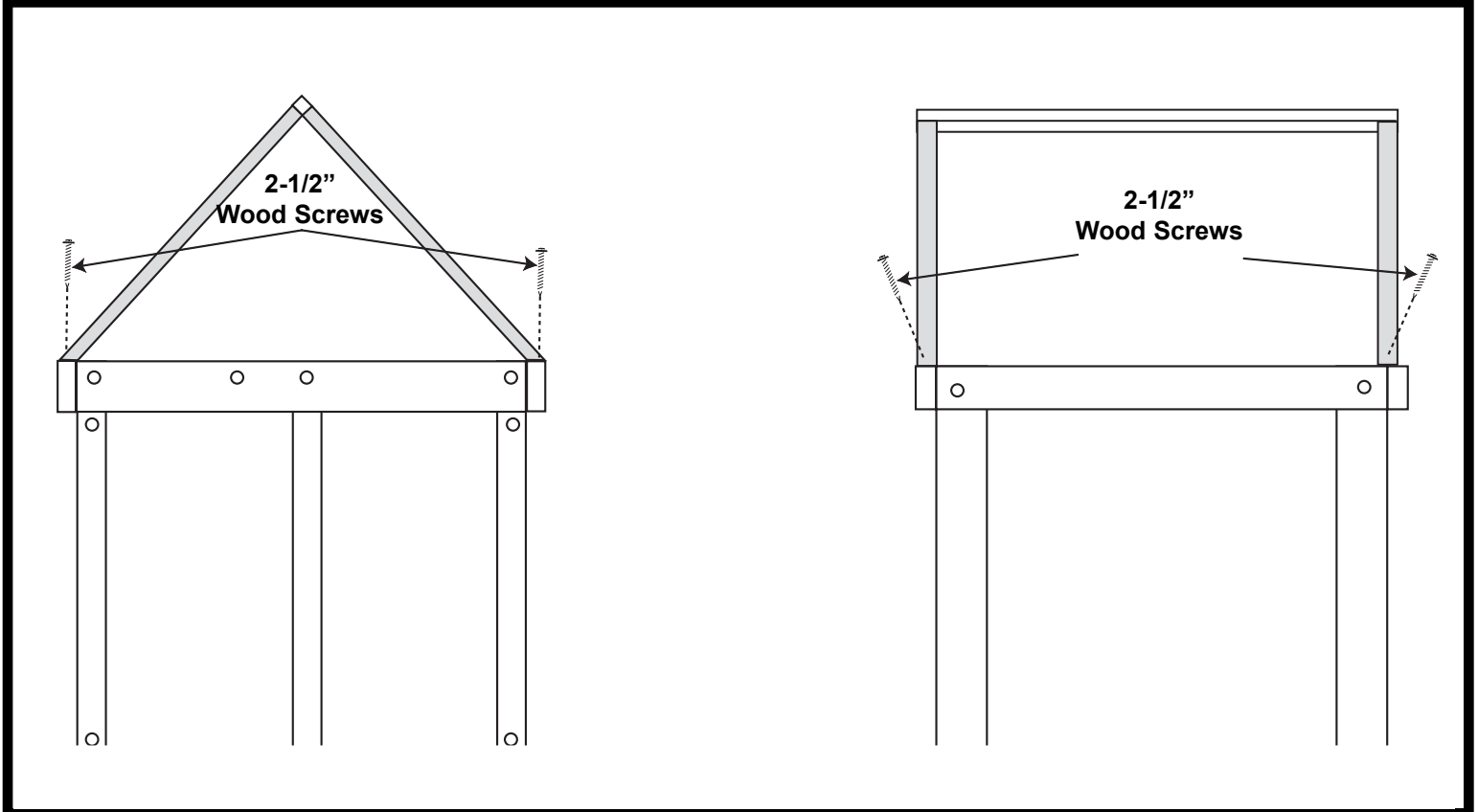
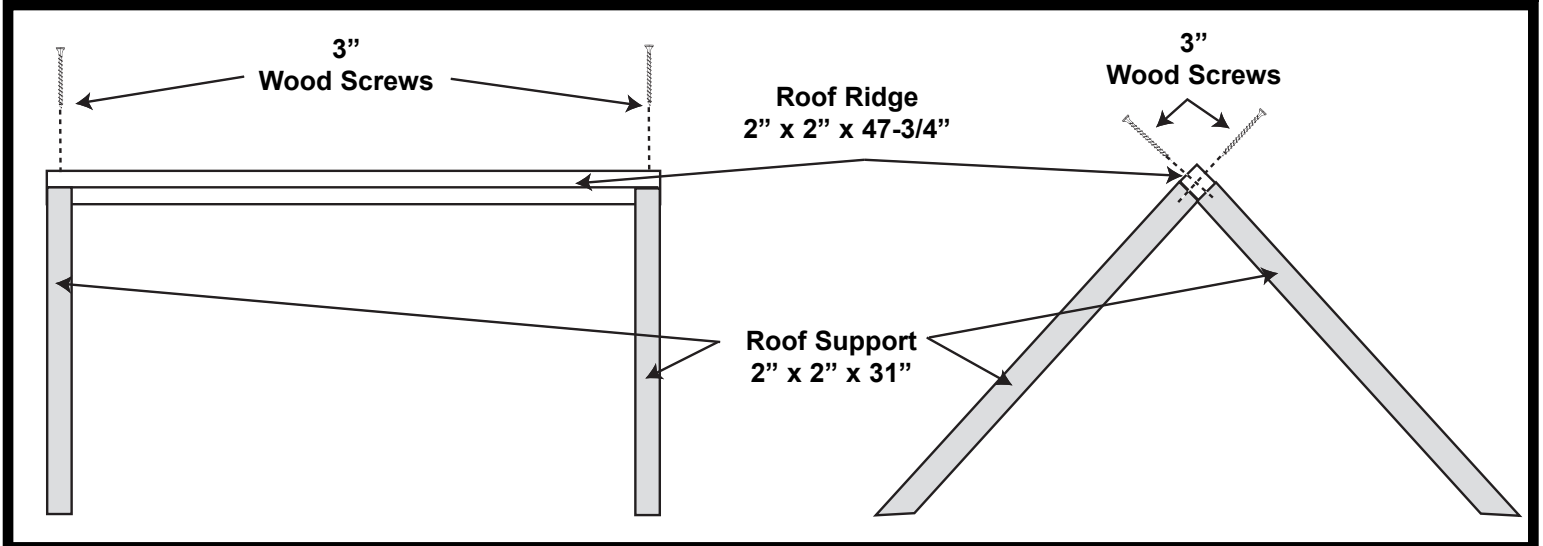
For High Rail Wave Slide Installation



STEP 9 - ASSEMBLE AND ATTACH ROOF FRAME

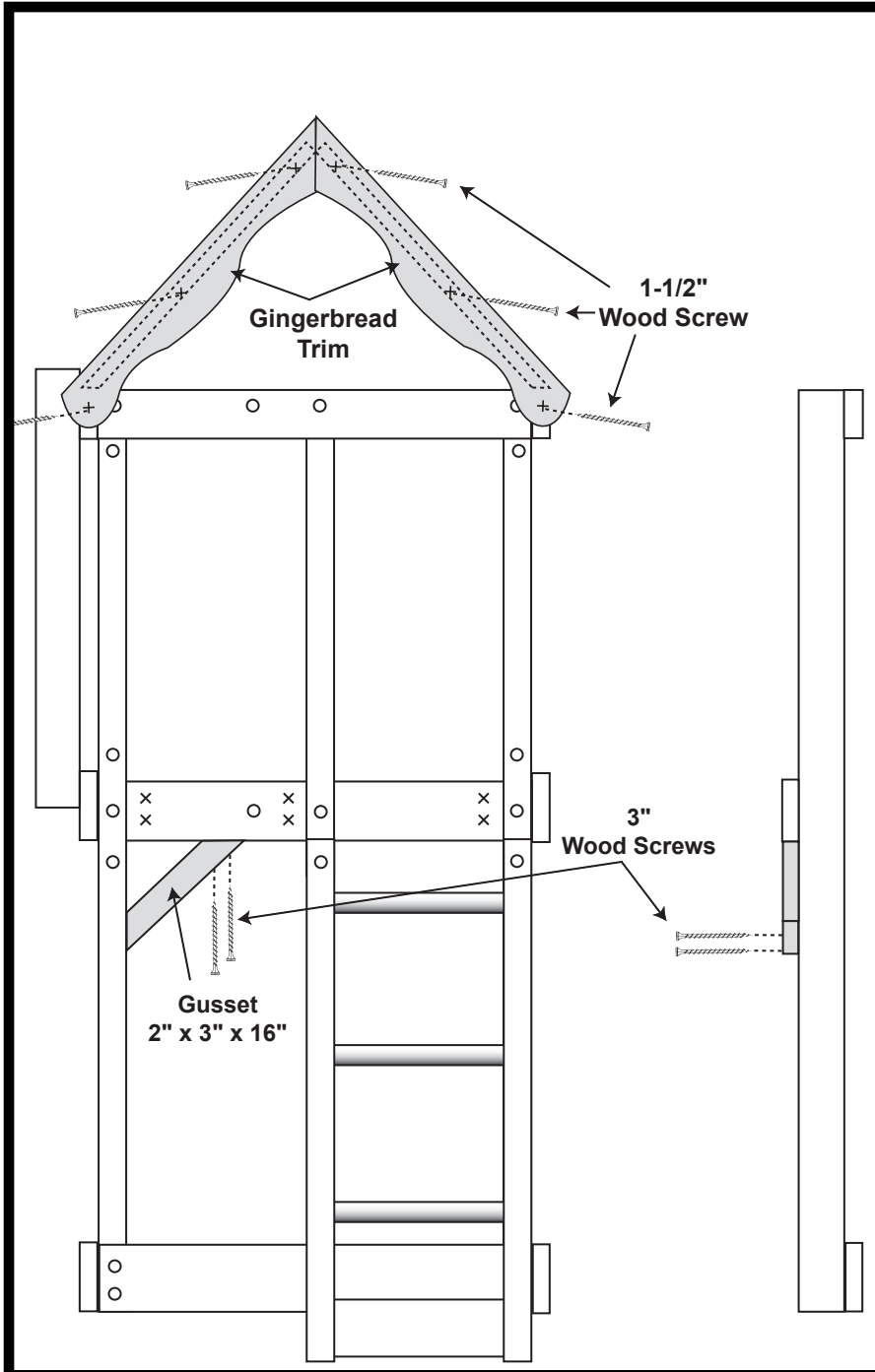
- A. Using four 3" Wood Screws, Attach 4 – Roof Supports (2" x 2" x 31") to Roof Ridge (2" x 2" x 47-3/4")
- B. Move Roof Assembly to Fort and place on top of unit, ensure that the Roof Assembly is flush to the front (access side) of the fort
- C. Secure Roof Assembly to Fort using one 2-1/2" Wood screw per Roof Support.

For High Rail Wave Slide Installation

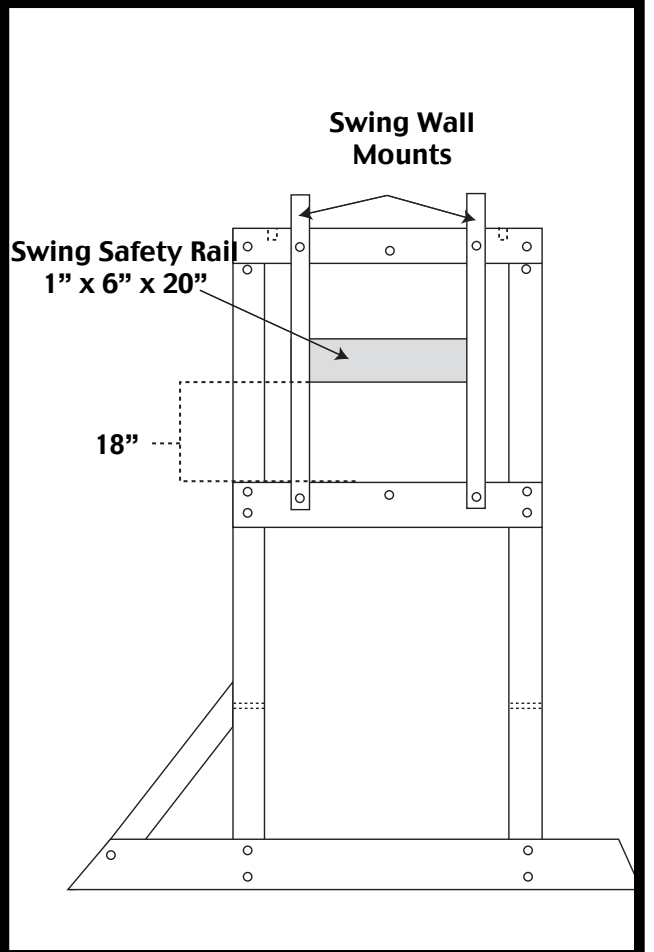
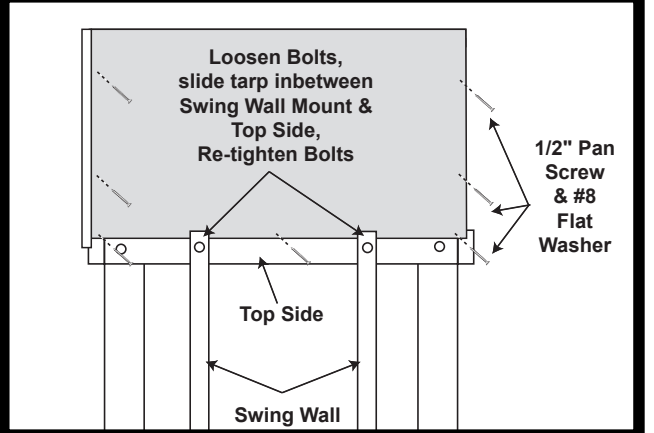


STEP 10 - ATTACH FORT GUSSETS AND GINGERBREAD TRIM

- A. Using four 3" Wood Screws, attach Gusset (2" x 3" x 16") to Post (2" x 4" x 83") & Floor Front (2" x 4" x 45-1/2")
- B. Attach Gingerbread Trim to Roof Frame using three 1-1/2" Wood Screws per Trim.
- NOTE: 2 screws secure to roof supports (2" x 2" x 31") and 1 into Top End (5/4" x 4" x 46-3/4").
- C. Lay Tarp over top of Roof Frame, center tarp and attach too Roof Supports (2" x 2" x 31") and Top Sides (5/4" x 4" x 46-3/4") using a total of fourteen 1/2" tapping screws and #8 flat washers, as per detail.
- D. Using four 1-1/2" Wood Screws attach Swing Safety Rail 1" x 6" x 20" to the inside of Swing Wall Mounts.



For High Rail Wave Slide Installation

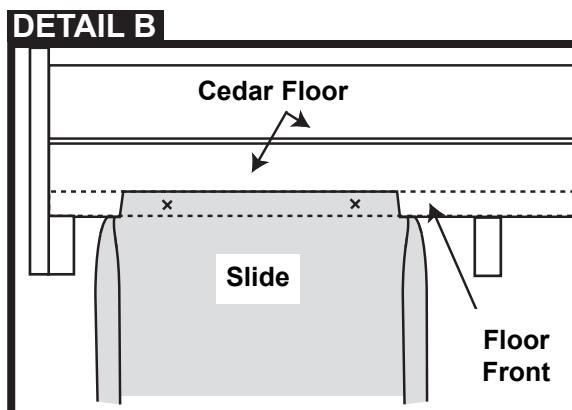
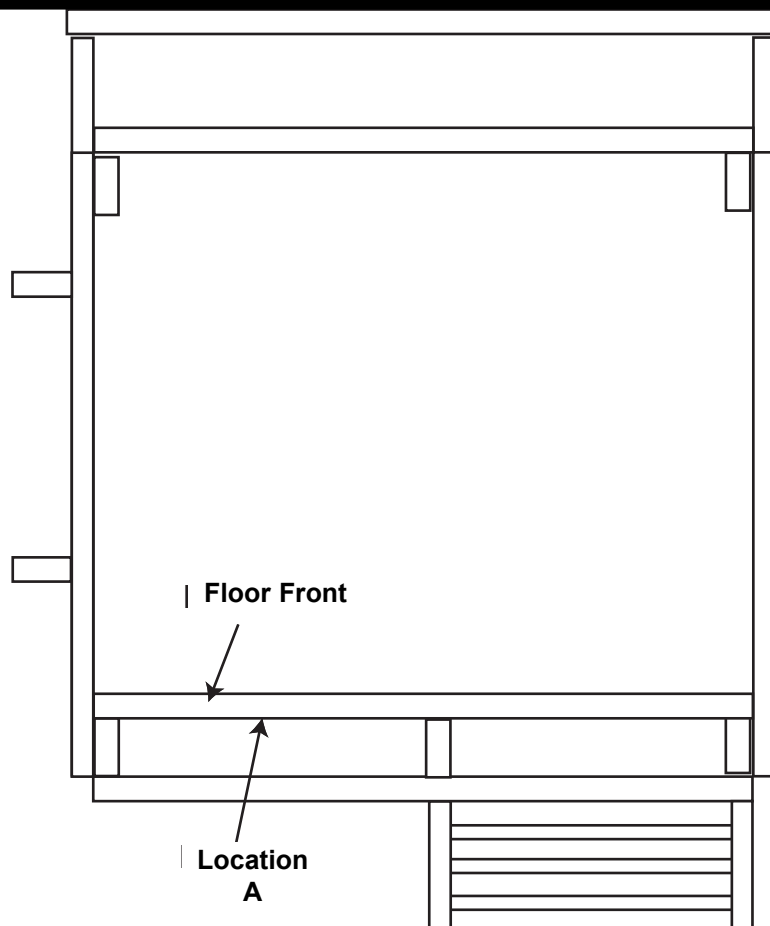


STEP 11 - ATTACH SLIDE

- A. Using two #12 x 2" pan head screws, center and attach high rail wave slide to fort at location A, as per Detail B.

NOTE: Screws must penetrate Floor Front

For High Rail Wave Slide Installation



Upon completion of Step 11 proceed to Step 16 and complete the installation of your Pinehurst Play Fort.

STEP 12 - ATTACH CEDAR FLOOR & WALL CEDAR

- A. Square up and level fort. Tighten Hex Bolts prior to installing Cedar Wall and Floor Boards
- B. Evenly space and attach seven Floor Boards (1" x 6" x 45-1/2") and one Gap Board (1" x 6" x 42-1/2") using 1-1/2" Wood Screws.

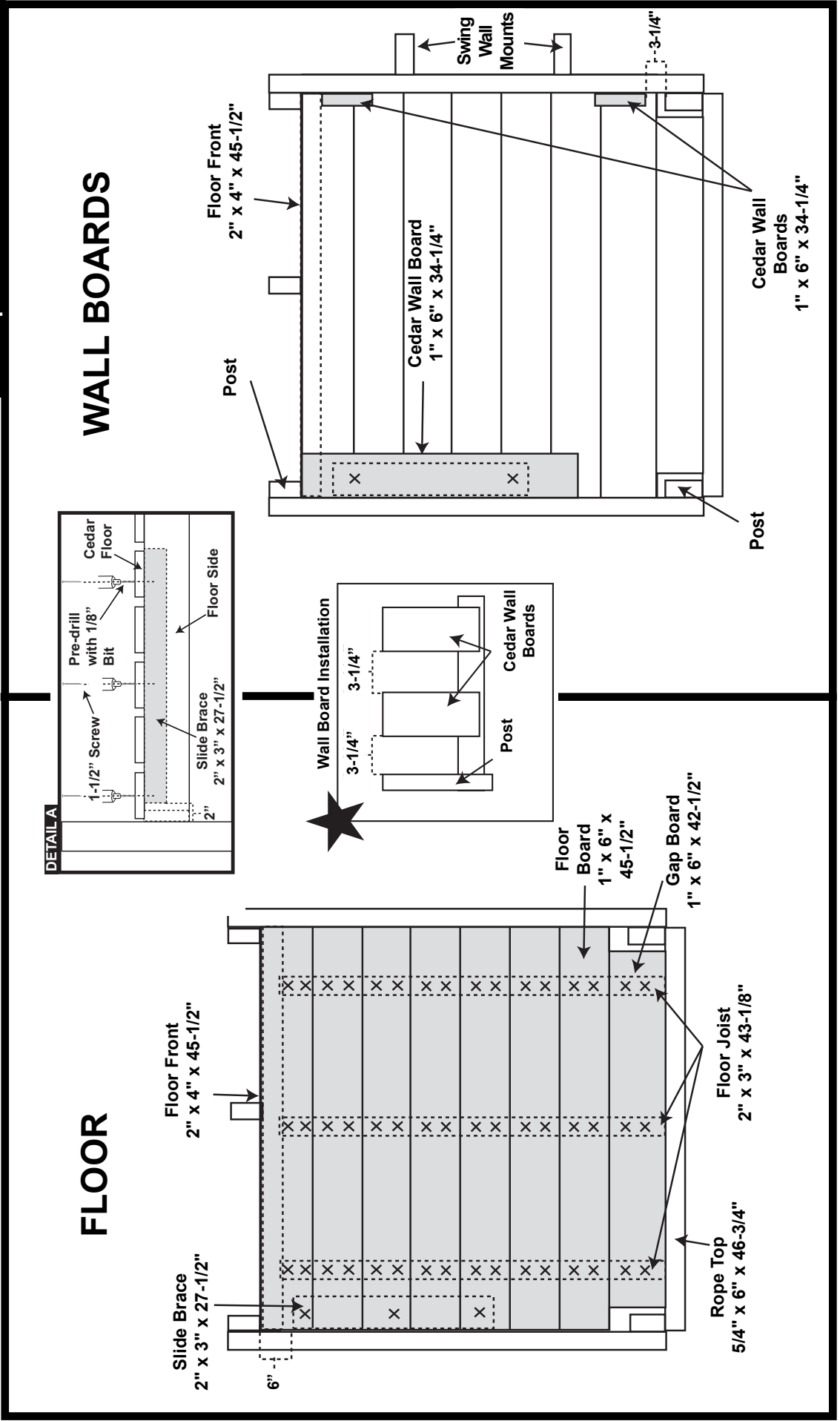
NOTE: Evenly space Cedar Floor Boards on Floor Side prior to securing.

- C. Using three 1-1/2" Wood Screw attach 1 Slide Brace (2" x 3" x 27-1/2") to underside of Floor as per detail A.

NOTE: When spacing the wall boards, do not exceed 3-1/4" between Posts, Wall Boards and Swing Wall Mounts.

- D. Evenly space and attach 2 Cedar Wall Boards, as per diagram, using 4 - 1-1/2" wood screws per Wall Board.
- E. Using two 1-1/2" wood screw attach Cedar Wall Board (1" x 6" x 34-1/4") to Slide Brace through cedar floor.

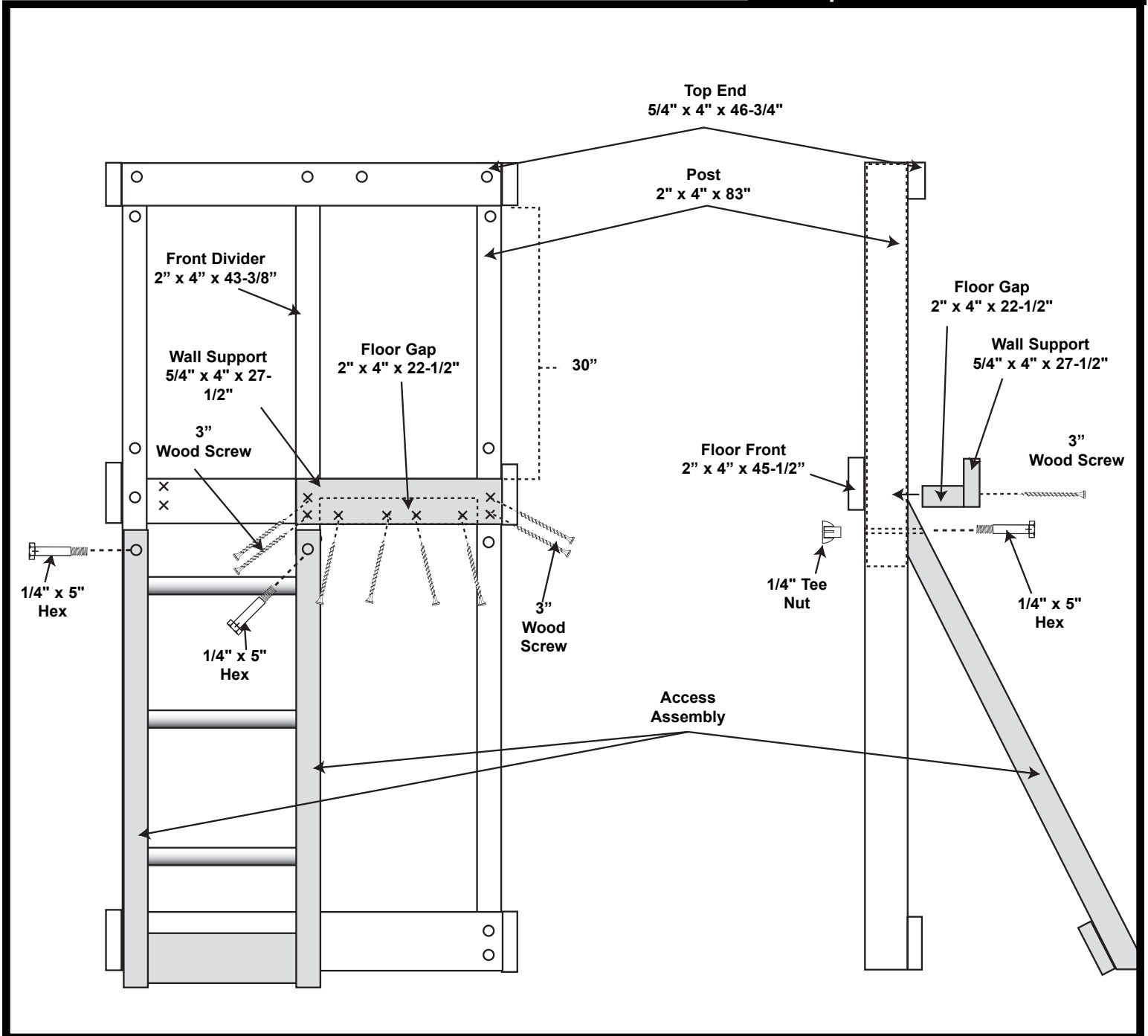
For Spiral Wave Slide Installation



STEP 13 - ATTACH ACCESS ASSEMBLY TO FORT

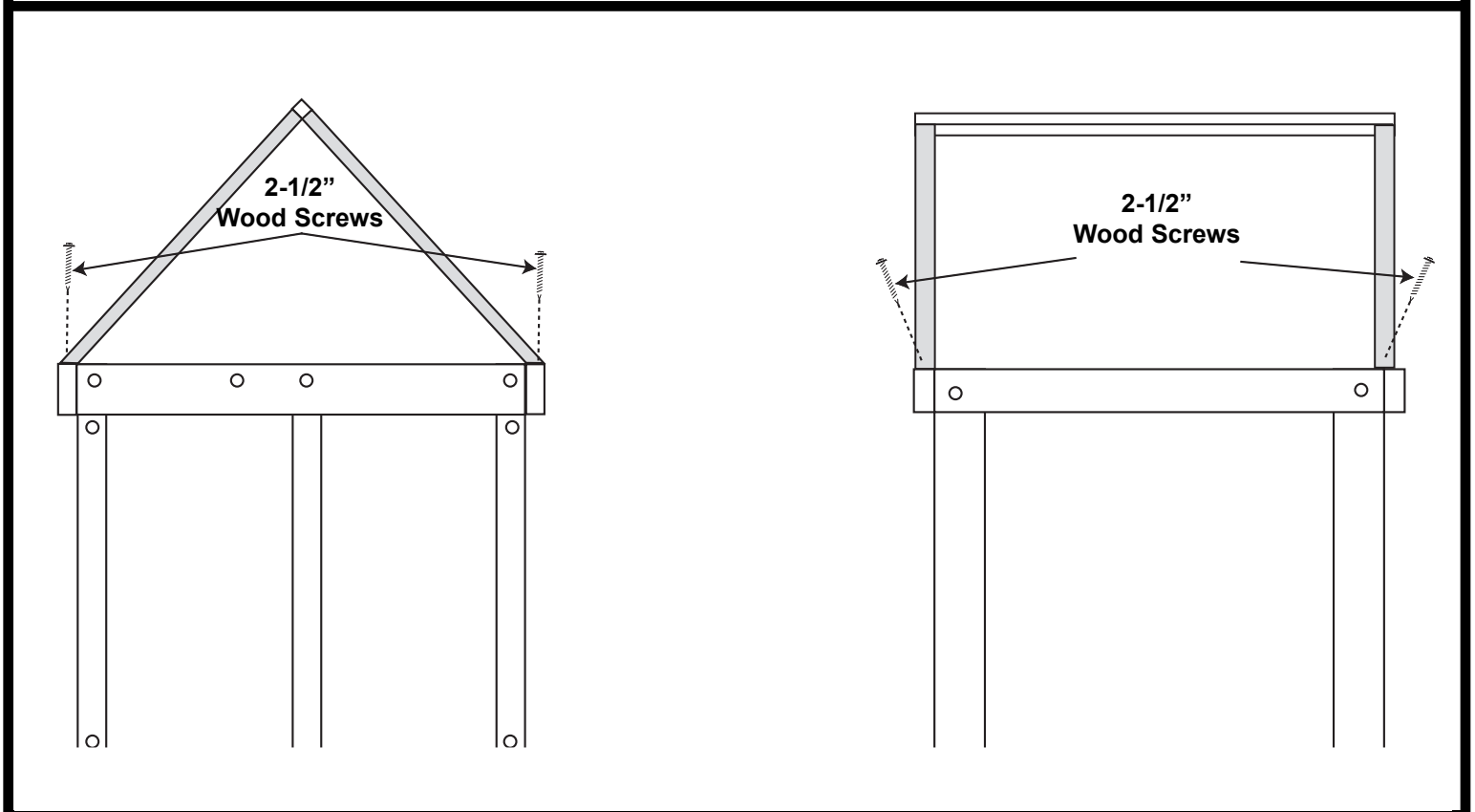
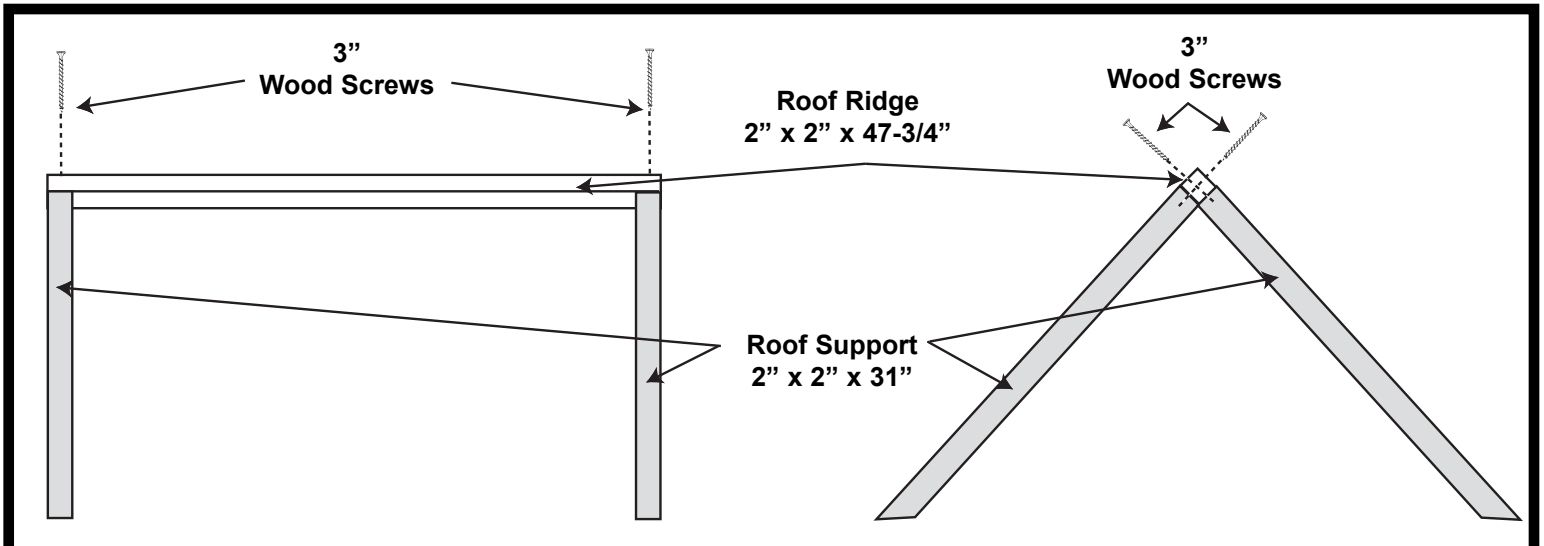
- A. Using two 1/4" x 5" Hex Bolts connect Access Assembly to Post 2" x 4" x 83" and Front Divider 2" x 4" x 43-3/8".
 - B. Measuring 33" down from top of post attach Wall Support 5/4" x 4" x 27-1/2" to Front Divide and Post, using four 3" Wood Screws .
- NOTE: Do not fully tighten screws.
- C. Place Floor Gap 2" x 4" x 22-1/2" between Wall Support 5/4" x 4" x 27-1/2" and Floor Front 2" x 4" x 45-1/2" and secure using four 3" Wood Screws.
- NOTE: Ensure that Floor Gap is level and the top face flush to top of Floor Front.
- D. Once Floor Gap is in place fully tighten Wall Support to Fort

For Spiral Wave Slide Installation



STEP 14 - ASSEMBLE AND ATTACH ROOF FRAME

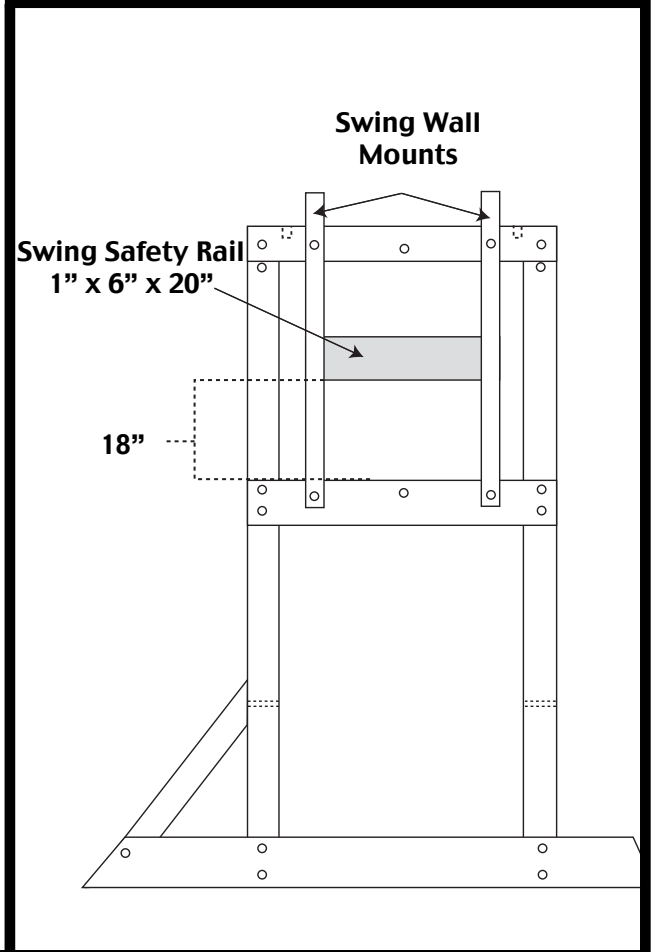
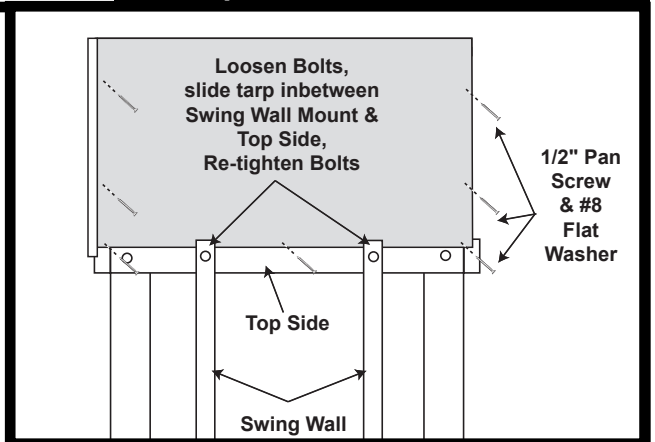
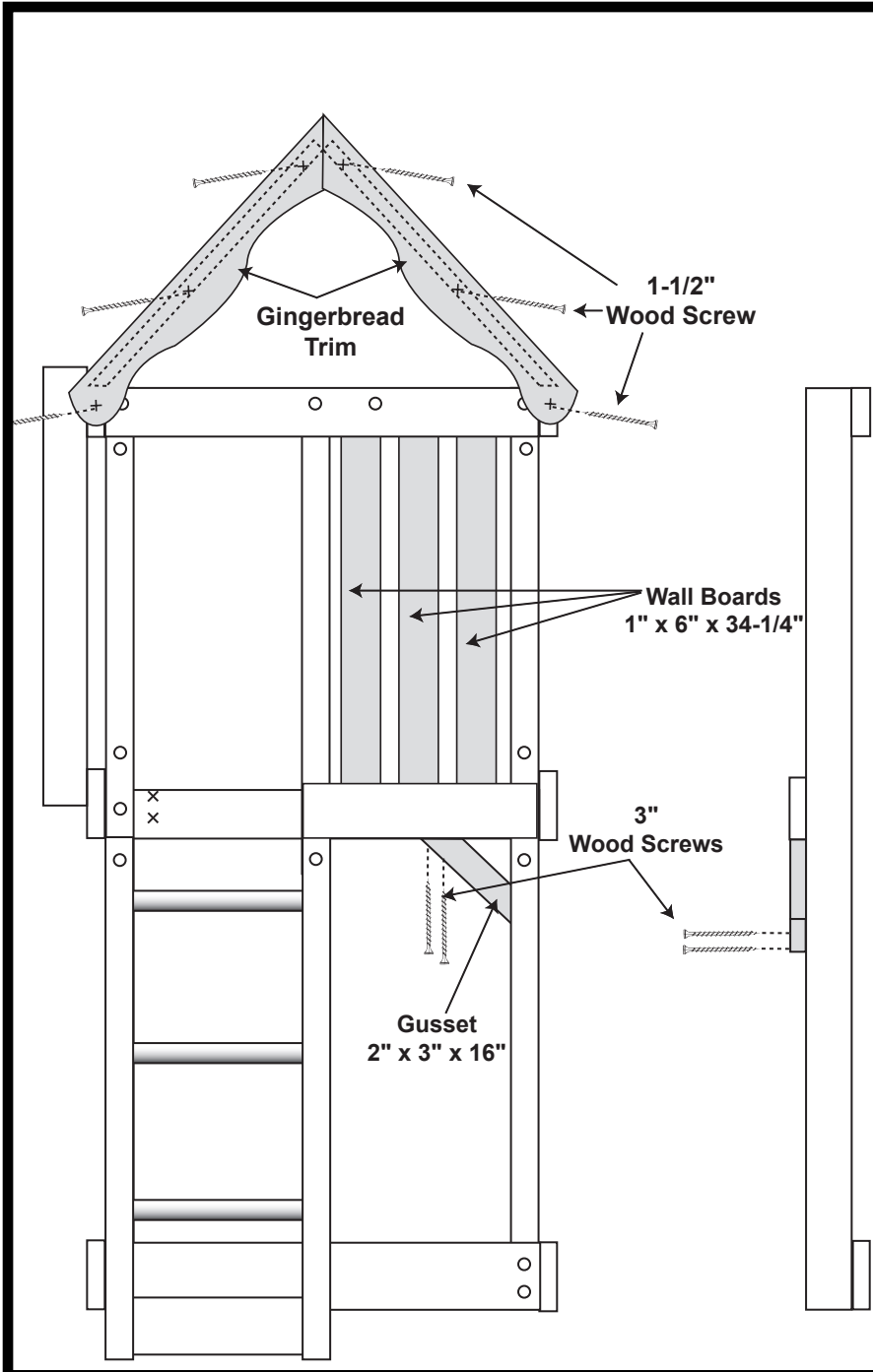
- A. Using four 3" Wood Screws, Attach 4 – Roof Supports (2" x 2" x 31") to Roof Ridge (2" x 2" x 47-3/4")
- B. Move Roof Assembly to Fort and place on top of unit, ensure that the Roof Assembly is flush to the front (access side) of the fort
- C. Secure Roof Assembly to Fort using one 2-1/2" Wood screw per Roof Support.



STEP 15 - ATTACH FORT GUSSETS AND GINGERBREAD TRIM

- A. Using four 3" Wood Screws, attach Gusset (2" x 3" x 16") to Post (2" x 4" x 83") & Floor Front (2" x 4" x 45-1/2")
- B. Attach Gingerbread Trim to Roof Frame using three 1-1/2" Wood Screws per Trim.
- NOTE: 2 screws secure to roof supports (2" x 2" x 31") and 1 into Top End (5/4" x 4" x 46-3/4").
- C. Lay Tarp over top of Roof Frame, center tarp and attach too Roof Supports (2" x 2" x 31") and Top Sides (5/4" x 4" x 46-3/4") using a total of fourteen 1/2" tapping screws and #8 flat washers, as per detail.
- D. Using four 1-1/2" Wood Screws attach Swing Safety Rail 1" x 6" x 20" to the inside of Swing Wall Mounts.
- E. Attach three Wall Boards (1" x 6" x 34-1/2") using four 1-1/2" Wood Screws per board.

For Spiral Wave Slide Installation



STEP 16 - ATTACH SLIDE AND WALL BOARDS

A. Using four #12 x 2" Pan Screws attach slide to Fort.

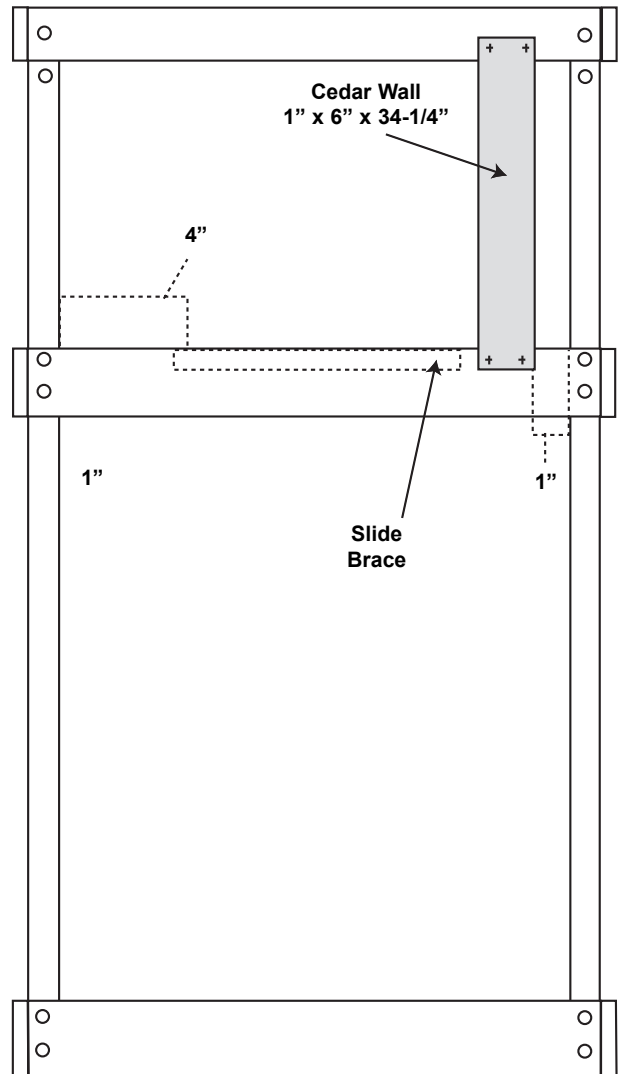
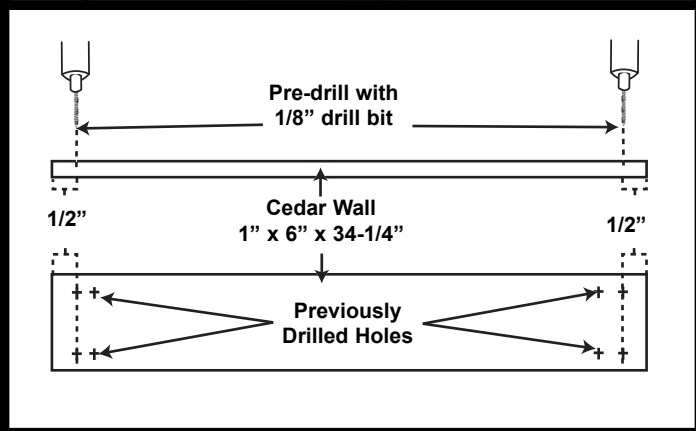
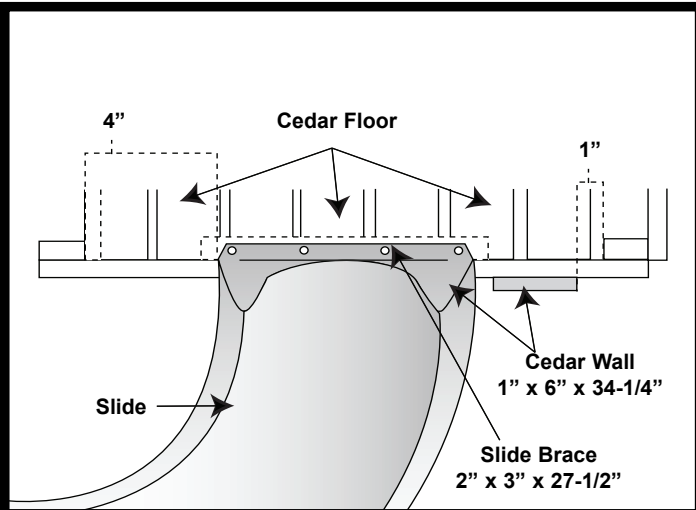
NOTE: Screws must penetrate Slide Brace 2" x 3" x 27-1/2".

B. Take two Cedar Wall Boards (1" x 6" x 34-1/4") and add holes using 1/8" drill.

C. Using four #8 x 1-1/2" Wood Screws attach 1 Cedar Wall 1" x 6" x 34-1/4".

NOTE: Wall Board edge must be 1" from Corner Post as per diagram.

For Spiral Wave Slide Installation



STEP 17 - ATTACH ROPE LADDER

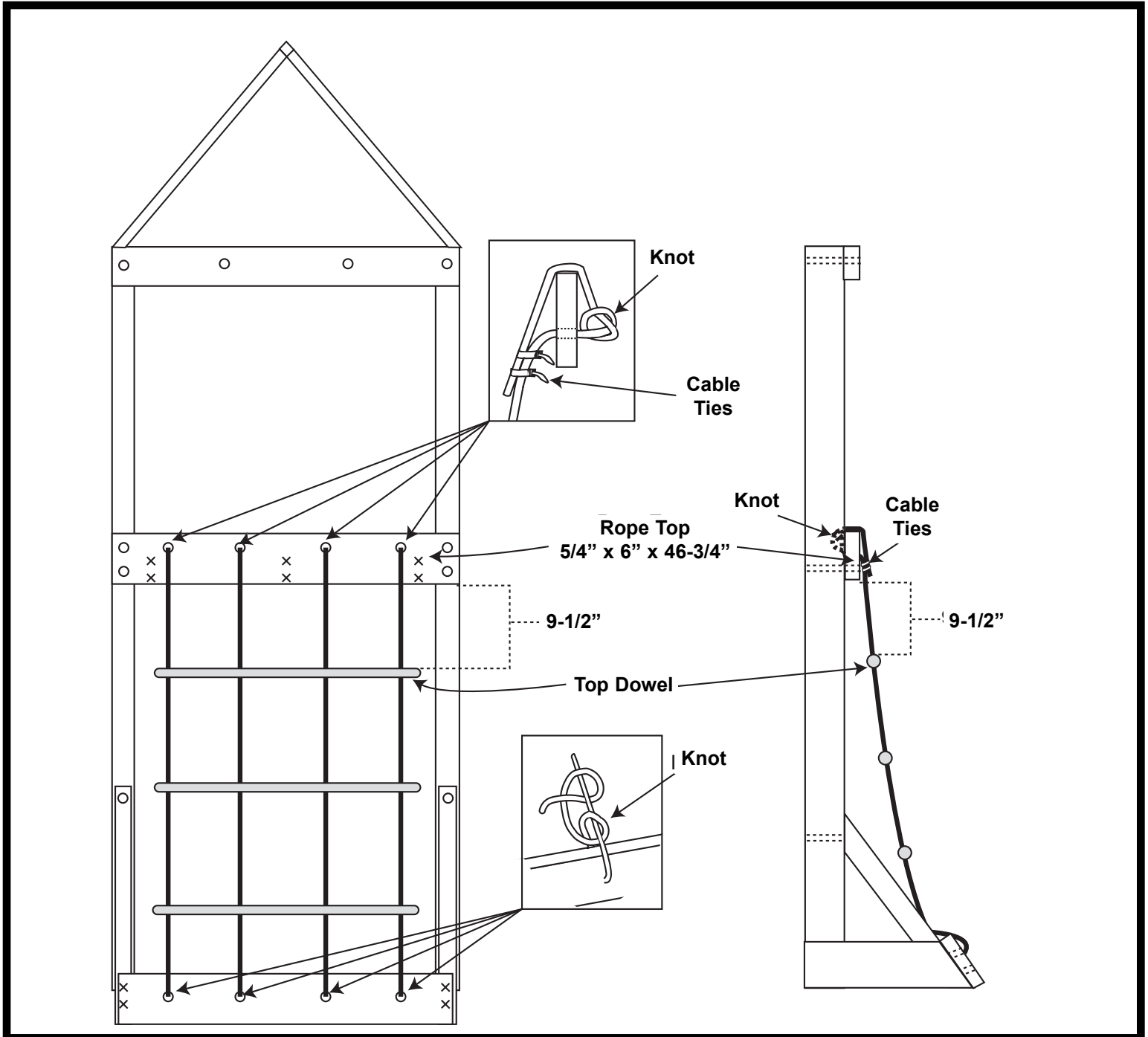
A. Insert rope ends and tie knots as per diagrams.

NOTE: Do Not fully tighten knot until ladder is level and rope is taught.

NOTE: Ensure that there is a 9-1/2" space between the top dowel of the rope ladder and the bottom of the Rope Top.

B. Using two Cable Ties per rope, secure excess rope as per diagram.

NOTE: Cut off excess Cable Tie while ensuring that the cut end is not sharp.



STEP 18 - ATTACH GROUND STAKES & SLIDE

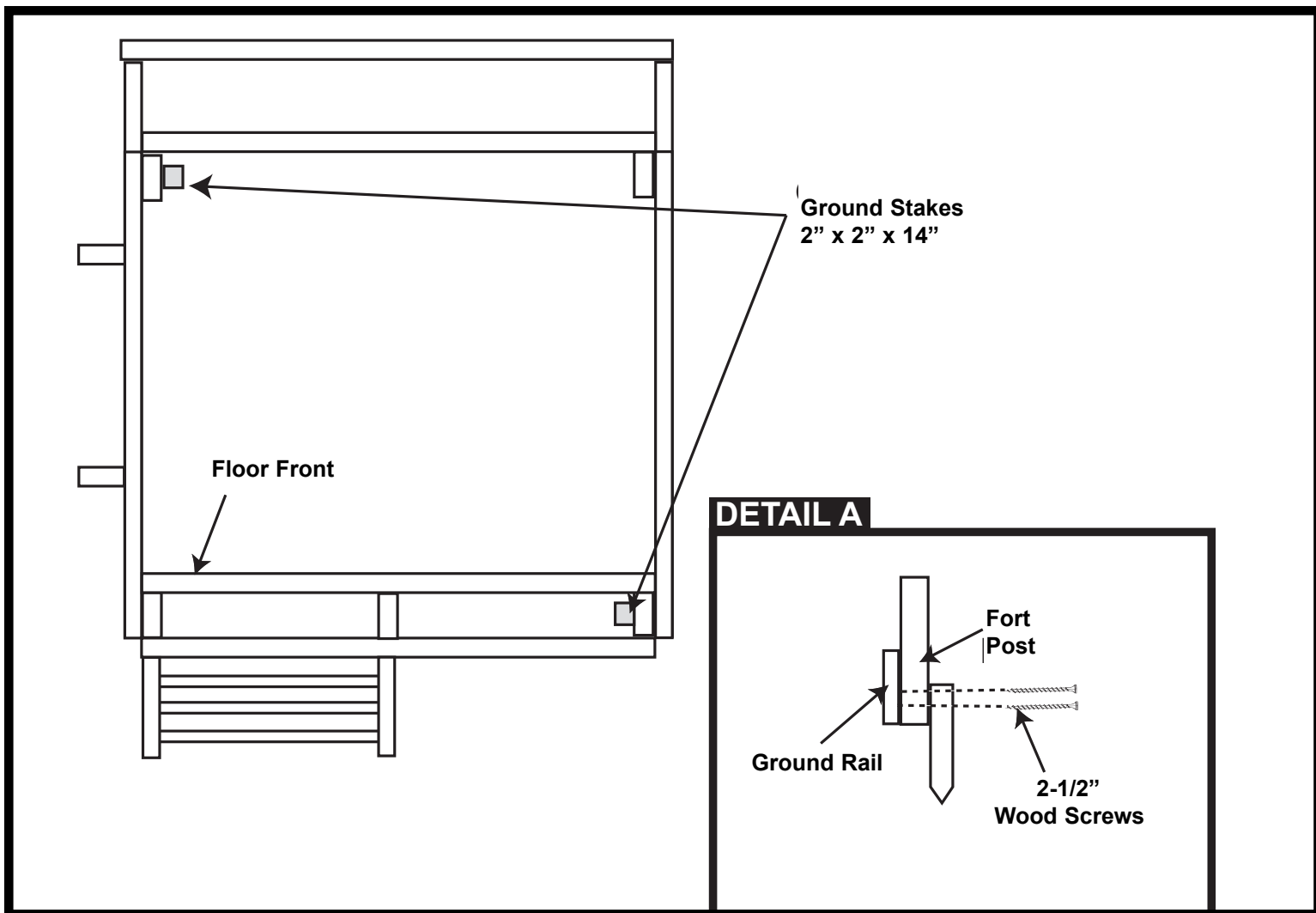
NOTE: Ground Stakes (2" x 2" x 14") must be used and installed in proper location. Drive Ground Stakes into firm ground.

A. Using two 2-1/2" wood screws per Ground Stake (2" x 2" x 14"), secure 1 - Ground Stake (2" x 2" x 14") to both fort posts (2" x 4" x 83")

NOTE: To avoid damaging the ground stake it is recommended that a separate piece of wood is used between the ground stake and the hammer.

C. Using two #12 x 2" pan head screws, center and attach 8' slide to fort at location A, as per Detail B.

NOTE: Screws must penetrate Floor Front .



ATTENTION

*** RE-TIGHTEN ALL HEX BOLTS, LAG BOLTS, AND WOOD SCREWS TO ENSURE SAFETY. DO NOT OVER TIGHTEN TO AVOID CRUSHING WOOD.**

*** THOROUGHLY READ INSTRUCTIONS, AND THE OWNERS MANUAL, BEFORE USING PLAY CENTER.**