

NE 4438



We Put Kids First.

COMPETITORTM

C228, C229, C230 INSTRUCTIONS.

**ASSEMBLY INSTRUCTIONS FOR ADDING THE TURBO TUBE SLIDE TO THE
COMPETITORTM DESIGN C230 CAN BE FOUND ON PAGE 31**

Swing•N•Slide • 1212 Barberry Drive • Janesville, Wisconsin 53545
Visit our web site at: www.swing-n-slide.com or call us at **1-800-888-1232**

SAFETY INSTRUCTIONS

IMPORTANT! *This product is intended for single family residential use only and not intended for use in any public setting. Placement in any public setting constitutes a misuse of this product.*

REQUIRED SAFETY INSTALLATION INSTRUCTIONS

- **Once the unit is completely assembled and before children are allowed to play on it, proper shock-absorbing surfacing material must be installed.** This may be accomplished by using loose-fill materials at a sufficient depth. The Consumer Product Safety Commission "Handbook for Public Playground Safety" lists the following materials and required depths that are sufficient for home/residential application. For fall height protection up to 9 ft. (2.742m) [recommended for Swing•N•Slide kits]:

LOOSE FILL MATERIAL	REQUIRED DEPTH ¹ <u>INCH (mm) (UNCOMPRESSED)</u>
Wood Mulch	9" (229mm)
Double Shredded Bark Mulch	9" (229mm)
Uniform Wood Chips	12" (305mm)
Fine Sand	12" (305mm)
Fine Gravel	12" (305mm)

¹ These depths were derived from the CPSC Handbook. Swing•N•Slide has not done independent tests to determine these required depths.

When properly installed, shock absorbing material will completely cover the horizontal baseboards on climbing units. This protective surfacing must extend a **minimum** of 6 ft. (1.828m) in all directions from the perimeter of the equipment or from the outermost edges of any component. For example, a slide extending beyond the platform must have protective surfacing at least 6 ft. (1.828m) out from both sides as well as the end. For swings, the protective surface must extend **at least 14 ft.** out from **both** the back and front of the swing when the swing is in its rest position.

PARENTS : Before building a backyard play area please take the time to read all instructions completely and caution your children accordingly. Observing the following statements and warnings reduces the likelihood of serious injury.

When building this kit, at least two people are required for lifting and holding beams, frames or other heavy assemblies in position before bolting or nailing. Special precautions must be taken when handling treated wood. Contact your local supplier for specific information.

INSTALLATION:

1. Read instructions completely prior to beginning assembly.
2. Do not deviate from these plans or alter design.
3. Be sure all hardware is tightened securely and flush to the intended member. Any caps provided which go over exposed bolts must be fastened securely.
4. During assembly be sure to use a hacksaw to cut off all protruding threaded ends of bolts and other fasteners. Remove any sharp edges with a metal file.
5. Place the equipment on level ground, not less than six feet (1.8 meters) from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines or electrical wires.
6. Do not install home playground equipment over concrete, asphalt, packed earth or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user.
7. Verify that suspended ropes and chains (except those used for swings) are secured at both ends so that they cannot be looped back on themselves.
8. Do not allow children to be in the area during assembly or use the equipment until it is properly installed.
9. Save this plan for future reference.

The Sun: Slides should **not** have a southern exposure unless they are shaded from mid-day and afternoon sun. Unshaded slides facing south can get hot and cause discomfort to bare skin. Northern exposures or shaded areas are definitely best.

OPERATION:

1. On-site adult supervision must be provided for children of all ages.
2. Be sure to teach children the following before allowing them to use the equipment:
 - A. Do not walk close to, in front of, behind or between moving items.
 - B. Do not twist swing or any other accessory chains or ropes or loop them over the beam as this will reduce the strength of the chain or rope.
 - C. Do not swing empty seats or other accessories.
 - D. Sit in the center of the swing seat and other accessories with full weight on seat.
 - E. Do not use equipment in a manner other than intended.
 - F. Do not get off equipment while it is in motion.
 - G. Do not climb on the equipment when it is wet.
 - H. Climbing or hanging on the frame of swing sets must not be permitted. Serious injuries can result from falls.
 - I. Do not attach extra items to this gym set, such as jump ropes, chain, clothes lines, pet leashes, cable and other items unless those items are Swing•N•Slide products specifically approved for use with this product. Failure to do so may cause a strangulation hazard.
3. Only one child per planned occupant seat should be allowed on this set at one time. Individual accessory weight limitations may vary, see packaging for details.
4. Dress children appropriately for play. Avoid clothing with draw strings and loose fitting clothes which could become entangled or snagged on equipment.

SAFETY - Wear safety glasses to protect your eyes from flying wood chips when cutting or drilling. Use a dust mask. Blunt nail points to prevent wood from splitting. To prevent splinters, sand the corners, edges, and all the points of the wood by wrapping a piece of 80 grit sandpaper around a block of wood and sanding.

WARNING: Lawn swings are designed for use by children over two years of age. Use by children under the age of two can result in entrapment between the seats and back areas. Never place children in a rearward facing position or with legs between seat and backrest because the child's body may pass through the opening causing entrapment of the child's head.

MAINTENANCE:

1. Check all nuts and bolts twice monthly during the usage season for tightness and tighten as required. It is particularly important that this procedure be followed at the beginning of each season.
2. Remove plastic swing seats and other plastic accessories and take indoors, or do not use when the temperature drops below 0° F.
3. Oil all metallic moving parts monthly during usage period.
4. Check all hardware and equipment for sharp edges twice monthly during usage season and replace them as necessary. It is especially important to do this at the beginning of each new season.
5. Check swing seats and protective sleeves for cracks. Cracks in the seat or sleeves are signs of deterioration. If these conditions exist, replace swing seat immediately. Call 1-800-888-1232 for more information about replacement.
6. Check chains, ropes and cables monthly during the usage season for signs of deterioration, severe rusting or excessive wear (especially near the top swing hanger or at the seat connection). If these conditions exist replace affected accessory immediately. Call 1-800-888-1232 for more information about replacement.
7. Use a water seal on your gym set to protect the wood and prevent cracking and warping.

DISPOSAL:

1. When the activity center is to be taken out of service, remove all play components and disassemble. Dispose in such a way that no unreasonable hazards will exist at the time the activity center will be disposed of. Dispose of following local disposal requirements.

KIT COMPONENTS



(2) 7" carriage bolts



(2) 5-1/2" carriage bolts



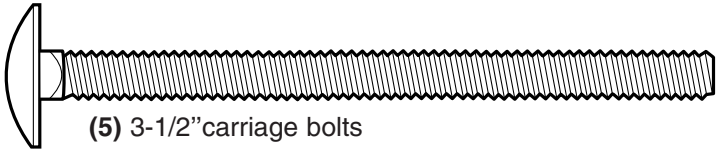
(4) 5" carriage bolts



(7) 4-1/2" carriage bolts



(21) 4" carriage bolts



(5) 3-1/2" carriage bolts



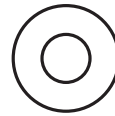
(162) 1-1/4" screws



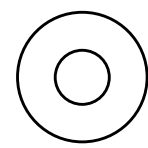
(514) 2" screws



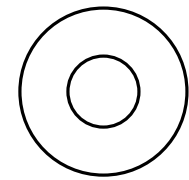
(288) 3" screws



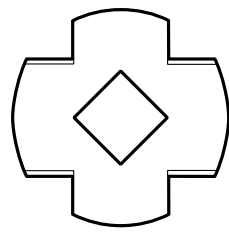
(6) 3/16" flat washers



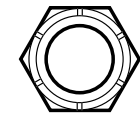
(8) 1/4" flat washers



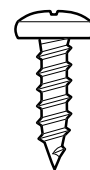
(58) 5/16" flat washers



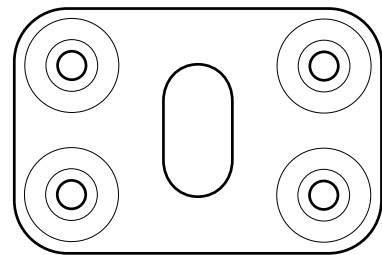
(37) wood loc washers



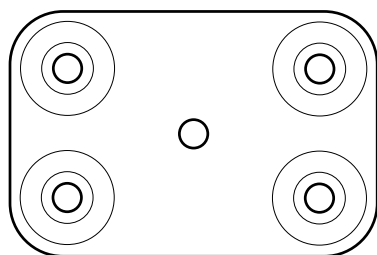
(50) loc nuts



(2) 1/2" panhead screws



(6) beam clamps (slotted)

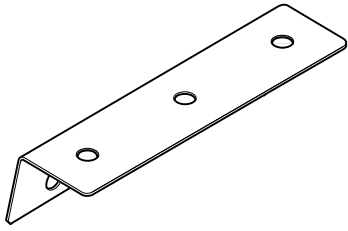


(8) beam covers

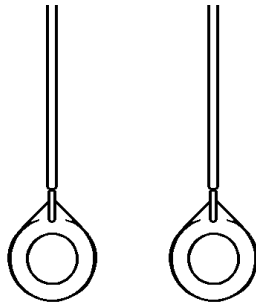


(4) 1-3/4" panhead screw

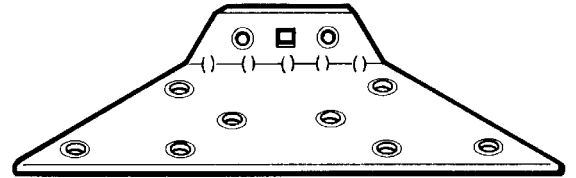
KIT COMPONENTS



(8) Step Brackets
Note: (4 Left, 4 Right)



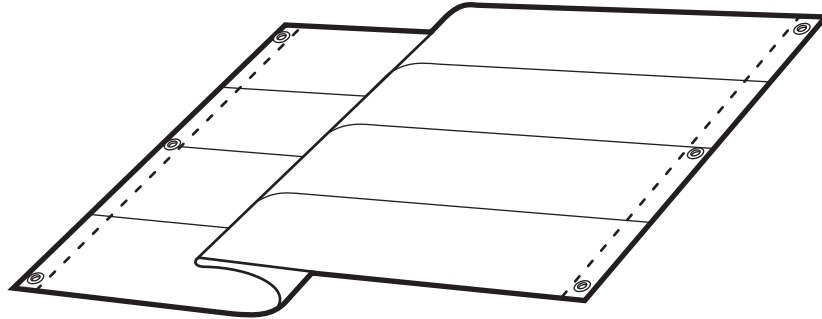
(2) Iron Man Rings



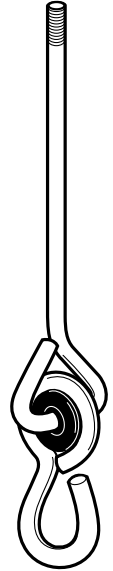
(2) EZ Frame Brackets



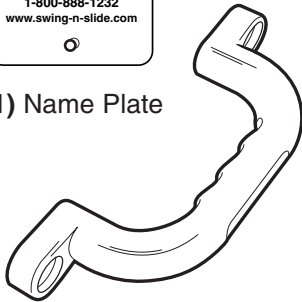
(1) Name Plate



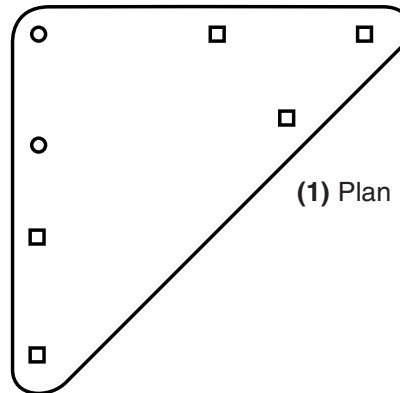
(1) Multi-Colored Tarp



(6) Swing Hangers

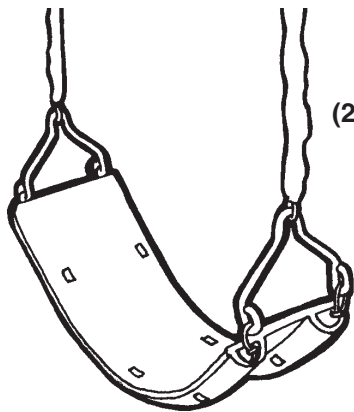


(2) Play Handles



(1) Triangle Bracket

(1) Plan



(2) Swing Seats

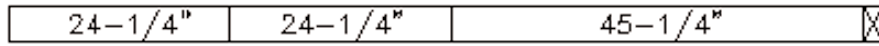


TOOLS REQUIRED

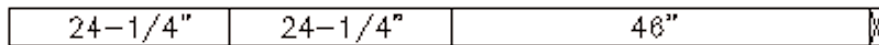
Circular Saw, Electric Drill, Hammer, Safety Glasses, Tape Measure, 1/8" Drill Bit, 5/16" Drill Bit, Square, 1-1/8" Spade Bit and Phillips Head Screwdriver

CUTTING LIST for design C228

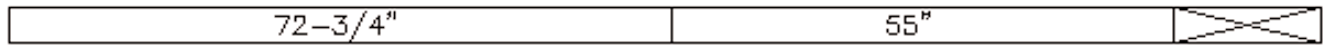
(2) 1" x 4" x 8'



(1) 1" x 4" x 8'



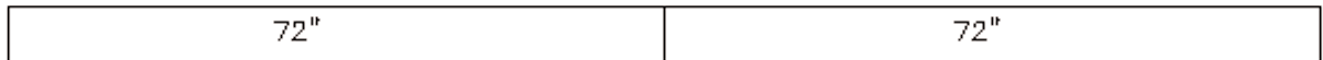
(1) 1" x 4" x 8'



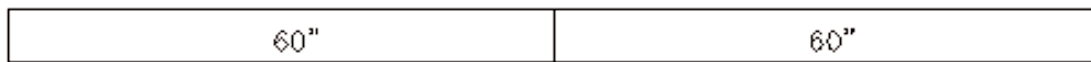
(1) 1" x 4" x 12'



(1) 1" x 6" x 12'



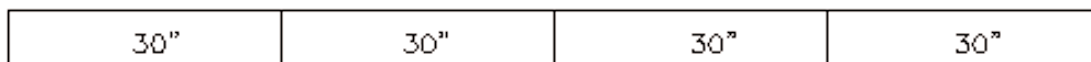
(2) 1" x 6" x 12'



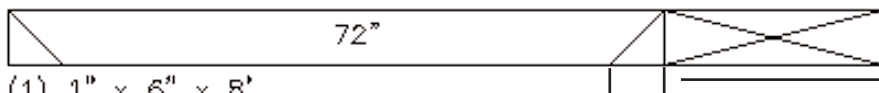
(5) 1" x 6" x 10'



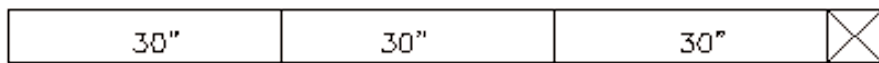
(1) 1" x 6" x 10'



(4) 1" x 6" x 10'



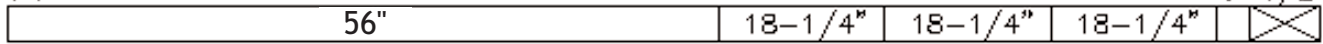
(1) 1" x 6" x 8'



(1) 1" x 6" x 8'



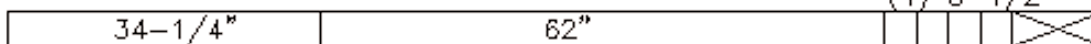
(1) 2" x 4" x 10'



(1) 2" x 4" x 12'



(3) 2" x 4" x 12'



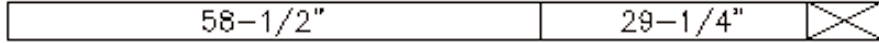
(2) 2" x 4" x 10'



(1) 2" x 4" x 8'



(2) 2" x 4" x 8'



CUTTING LIST for design C228

96"

(6) 4" x 4" x 8'

96" 48"

(1) 4" x 4" x 12'

144"

(1) 4" x 6" x 12'

OR

144"

(2) 2" x 6" x 12'

MATERIALS REQUIRED for C228

(4) 1" x 4" x 8'
(1) 1" x 4" x 12'
(3) 2" x 4" x 8'
(3) 2" x 4" x 10'
(4) 2" x 4" x 12'
(2) 1" x 6" x 8'

(10) 1" x 6" x 10'
(3) 1" x 6" x 12'
(6) 4" x 4" x 8'
(1) 4" x 4" x 12'
(1) 4" x 6" x 12'
OR
(2) 2" x 6" x 12'

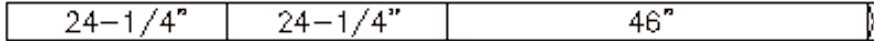
CUTTING LIST for design C229



(2) 1" x 4" x 8'



(1) 1" x 4" x 8'



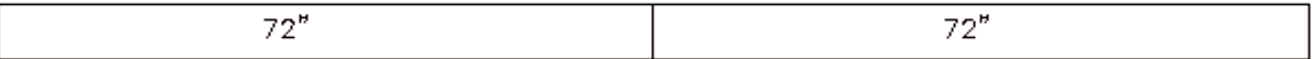
(1) 1" x 4" x 8'



(1) 1" x 4" x 12'



(1) 1" x 6" x 12'



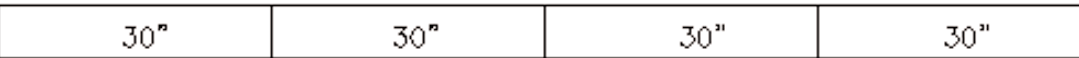
(2) 1" x 6" x 12'



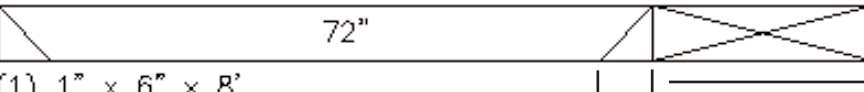
(5) 1" x 6" x 10'



(1) 1" x 6" x 10'

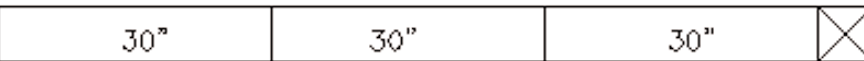


(4) 1" x 6" x 10'



(1) 1" x 6" x 8'

27° EZ Frame bracket as template.



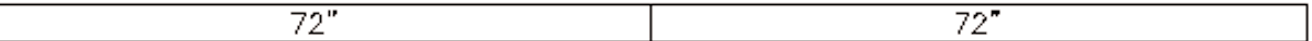
(1) 1" x 6" x 8'



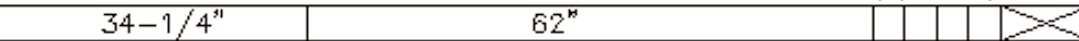
(1) 2" x 4" x 10'



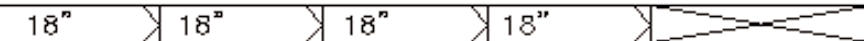
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(3) 2" x 4" x 12'



(2) 2" x 4" x 10'



(1) 2" x 4" x 8'



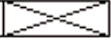
(2) 2" x 4" x 8'

CUTTING LIST for design C229

96"

(1) 4" x 4" x 8'

(5) 4" x 4" x 10'

96" 36-1/4" 

(1) 4" x 4" x 12'

144"

(1) 4" x 6" x 12'

OR

144"

(2) 2" x 6" x 12'

MATERIALS REQUIRED for C229

(4) 1" x 4" x 8'
(1) 1" x 4" x 12'
(3) 2" x 4" x 8'
(3) 2" x 4" x 10'
(4) 2" x 4" x 12'
(2) 1" x 6" x 8'
(10) 1" x 6" x 10'

(3) 1" x 6" x 12'
(1) 4" x 4" x 8'
(5) 4" x 4" x 10'
(1) 4" x 4" x 12'
(1) 4" x 6" x 12'
OR
(2) 2" x 6" x 12'

CUTTING LIST for design C230

58-1/2"	29-1/4"	
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(2) 1" x 4" x 8'

24-1/4"	24-1/4"	41-3/4"	
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(1) 1" x 4" x 8'

72-3/4"	20-1/4"	
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(1) 1" x 4" x 8'

23-1/4"	27-3/4"	26-3/4"	
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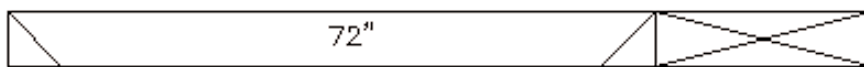
(1) 1" x 4" x 8'

24-1/4"	24-1/4"	46"	
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(1) 1" x 4" x 8'

41-3/4"	41-3/4"	30 1/4"	
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(1) 1" x 4" x 10'



(1) 1" x 6" x 8'

27° EZ Frame bracket as template.

30"	30"	30"	
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(1) 1" x 6" x 8'

95-1/4"	
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(1) 1" x 6" x 8'

30-1/4"	30-1/4"	30-1/4"	
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(2) 1" x 6" x 8'

31-3/4"	31-3/4"	30-1/4"	
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(1) 1" x 6" x 8'

58-1/2"	36-3/4"	
---------	---------	--

(1) 1" x 6" x 8'

60"	60"
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(5) 1" x 6" x 10'

30"	30"	30"	30"
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(4) 1" x 6" x 10'

36-3/4"	36-3/4"	36-3/4"	
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(2) 1" x 6" x 10'

101-1/4"	36-3/4"	
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(1) 1" x 6" x 12'

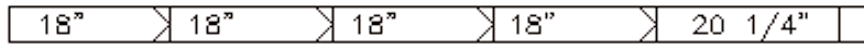
70-1/2"	34"	30-1/4"	
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(1) 1" x 6" x 12'

72"	72"
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(2) 1" x 6" x 12'

CUTTING LIST for design C230



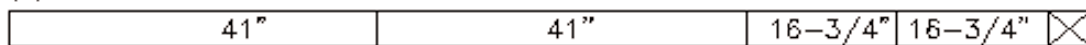
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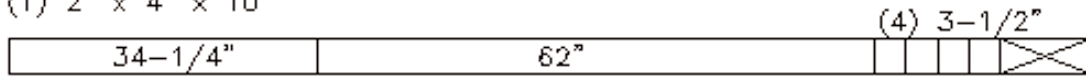
(2) 2" x 4" x 8'



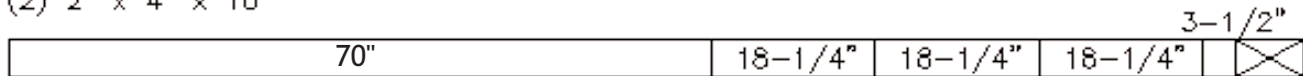
(1) 2" x 4" x 10'



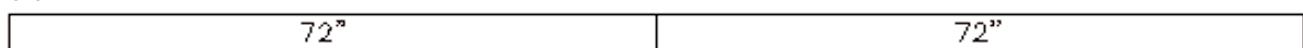
(1) 2" x 4" x 10'



(2) 2" x 4" x 10'

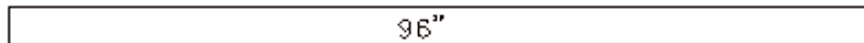


(1) 2" x 4" x 12'



(3) 2" x 4" x 12'

| | ————— 27° EZ Frame bracket
as template.



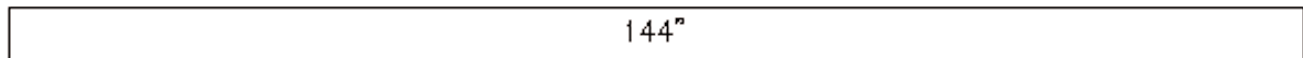
(1) 4" x 4" x 8'



(7) 4" x 4" x 10'

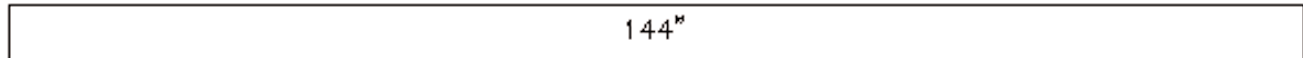


(1) 4" x 4" x 12'



(1) 4" x 6" x 12'

OR



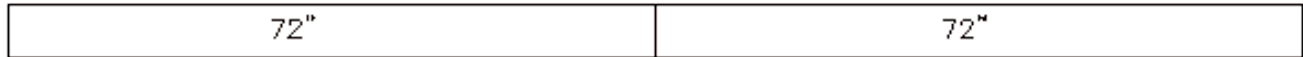
(2) 2" x 6" x 12'

MATERIALS REQUIRED for C230

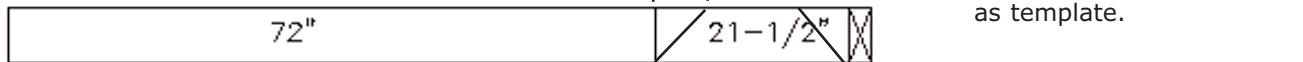
- (6) 1" x 4" x 8'
- (1) 1" x 4" x 10'
- (3) 2" x 4" x 8'
- (4) 2" x 4" x 10'
- (4) 2" x 4" x 12'
- (7) 1" x 6" x 8'
- (11) 1" x 6" x 10'

- (4) 1" x 6" x 12'
- (1) 4" x 4" x 8'
- (7) 4" x 4" x 10'
- (1) 4" x 4" x 12'
- (1) 4" x 6" x 12'
- OR
- (2) 2" x 6" x 12'

CUTTING LIST for Wood Roof Designs C228, C229 & C230

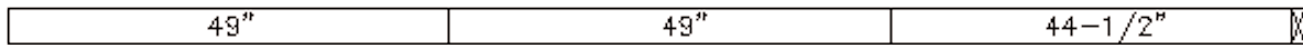


(8) 1" x 6" x 12'

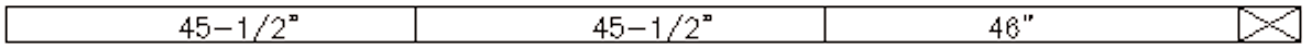


45° Triangle Bracket
as template.

(2) 1" x 6" x 8'



(1) 2" x 4" x 12'



(1) 2" x 4" x 12'



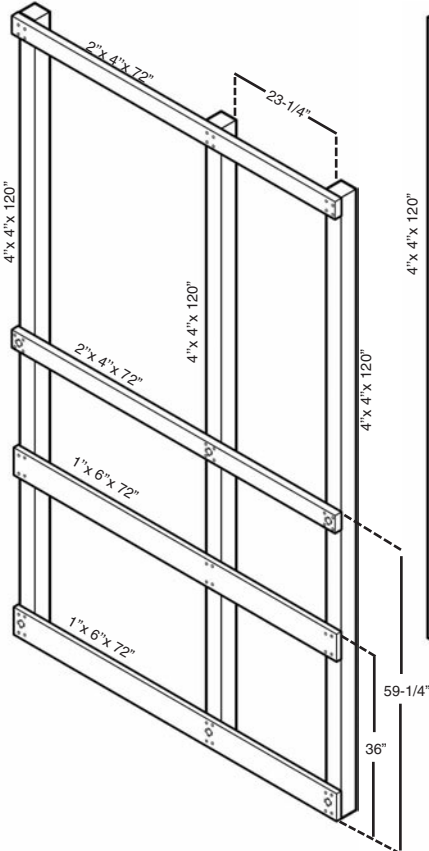
(1) 1" x 4" x 12'

MATERIALS REQUIRED for Wood Roof C228, C229 & C230

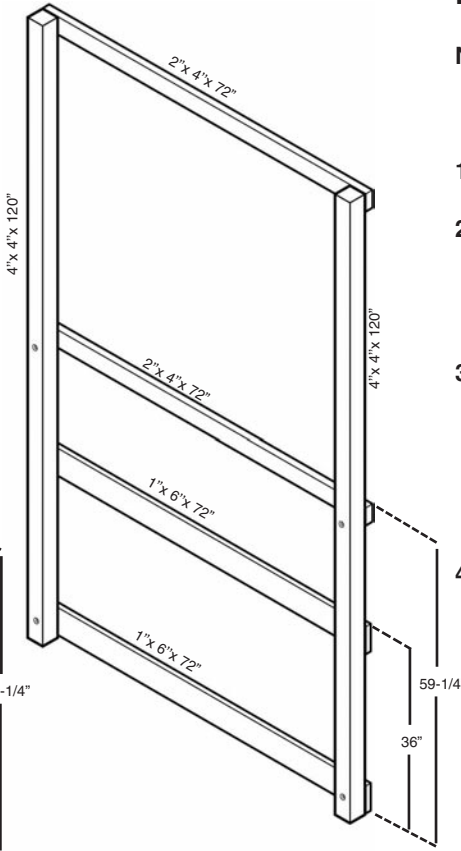
- (2) 1" x 6" x 8'
- (8) 1" x 6" x 12'
- (1) 1" x 4" x 12'
- (2) 2" x 4" x 12'

ASSEMBLY INSTRUCTIONS

Frame 1



Frame 2



Frame Assembly

Note: Build frames 1 and 2 for the C229 and C230 design. Build frames 3 and 4 for the C228 design.

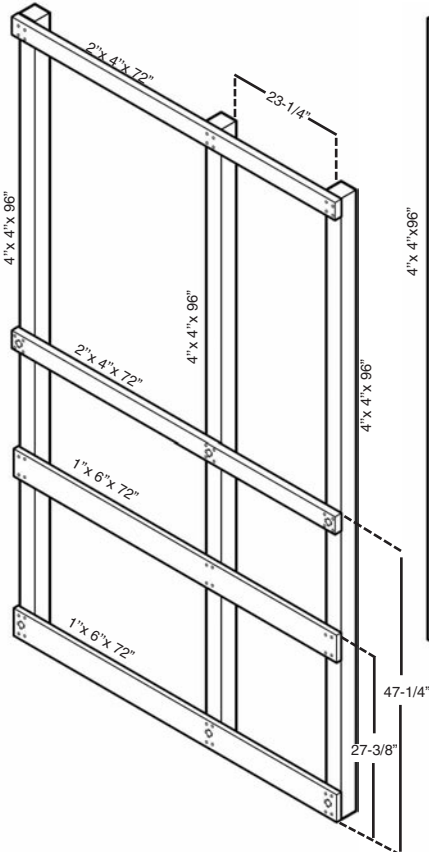
1. Examine the assembly instructions carefully and familiarize yourself with the illustrations.
2. On a flat work surface, layout the lumber as shown in each frame. Refer to this drawing for correct placement of lumber.

Note: If you are building a Competitor C228, See frames 3 and 4 for platform heights.

3. Make sure the frame assembly is 90° square. Assemble frames using four 3" screws per joint. **NOTE:** Always screw through the 1" x 4", 2" x 4", or 1" x 6" board into the 4" x 4". **NOTE:** Do not screw through the center of the joint, as bolts will be installed later.
4. Mark the center of each joint on the frames. Using a 1 1/8" spade bit, drill a counter bore 1" deep into each 4" x 4" joint. Drill a 5/16" hole through the 4" x 4" and 2" x 4" as well as the 4" x 4" and 1" x 6". Secure the 2" x 4 joint using a 4-1/2" carriage bolt, wood loc washer, washer, and loc nut (Fig. 1). Secure the 1" x 6" joint using a 4" carriage bolt, wood loc washer, washer, and loc nut (Fig. 1).

Note: if you are installing a C228, use frames 3 & 4

Frame 3



Frame 4

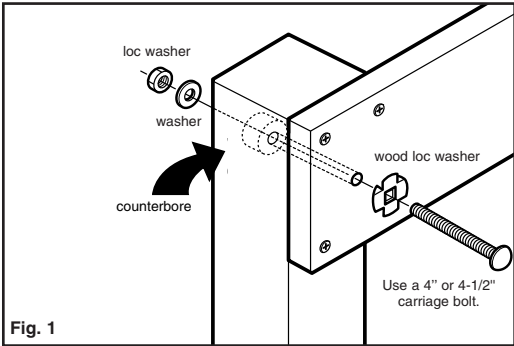
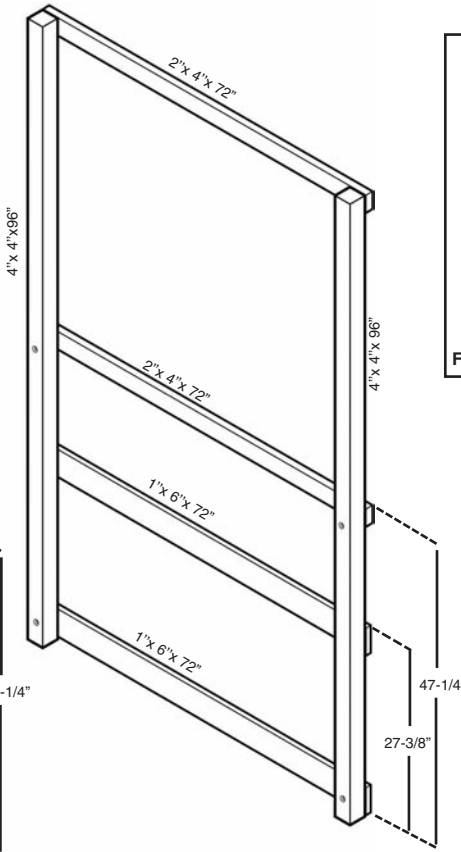


Fig. 1
Competitor C228)

ASSEMBLY INSTRUCTIONS

Frame Assembly (cont.)

5. With the help of others, stand frames 1 and 2 (or 3 and 4, if you are building a C228) up and temporarily brace. Using the lumber shown in (Fig. 2), secure the assembly using four 3" screws per joint.

Note: If you are building the C230, use one 1" x 6" x 101-1/4" and one 1" x 6" x 95 - 1/4" boards in place of the 1" x 6" x 70 1/2" and 1" x 6" x 58 - 1/2". See Turbo Tube instructions on page 31.

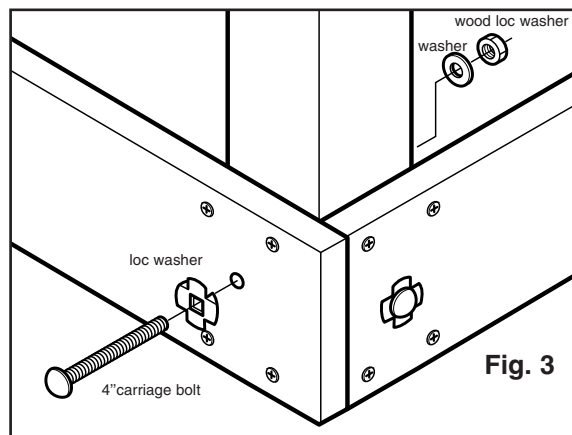
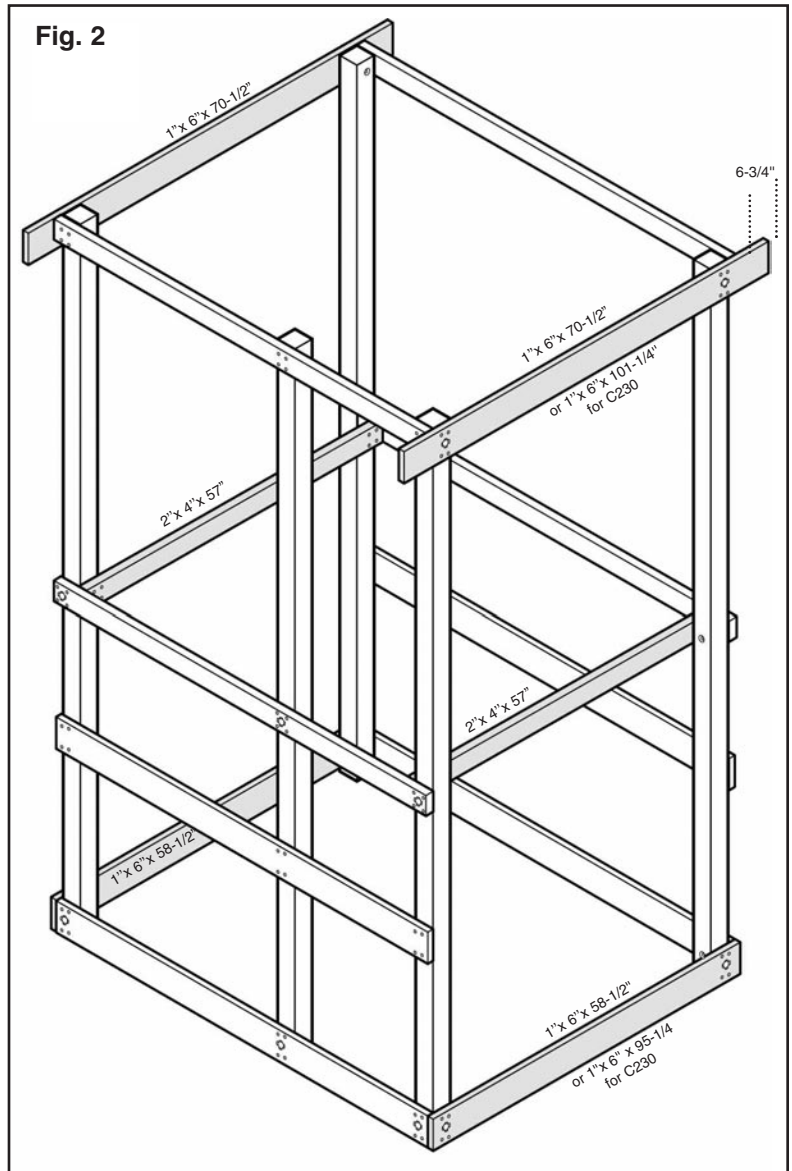
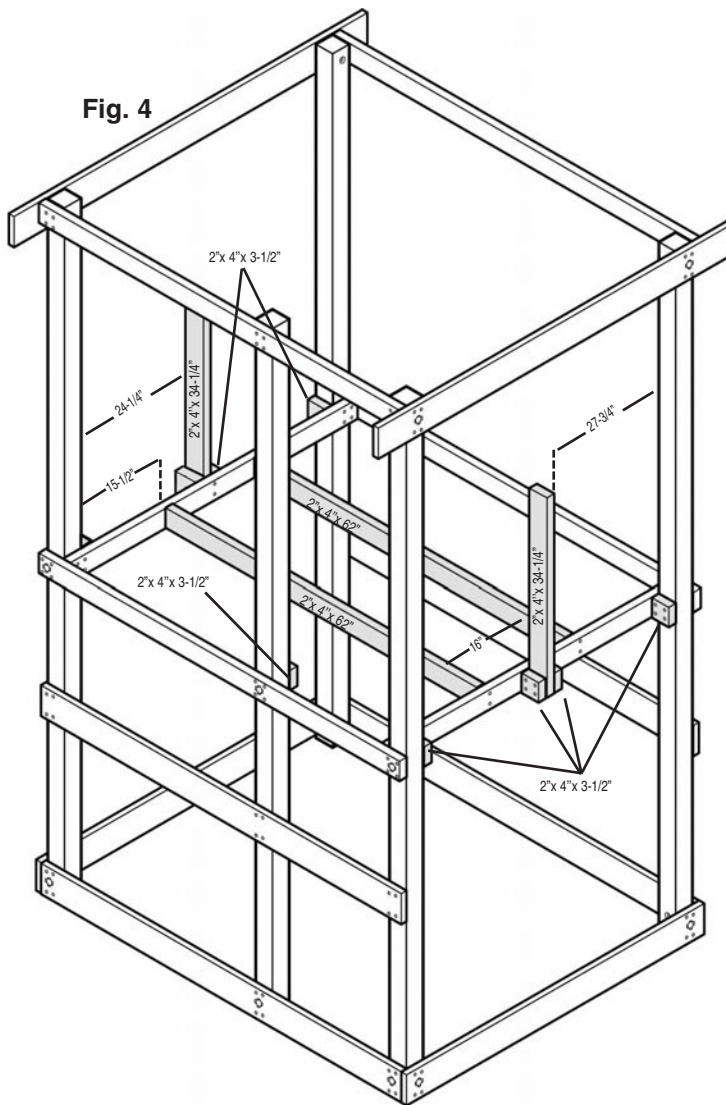


Fig. 4

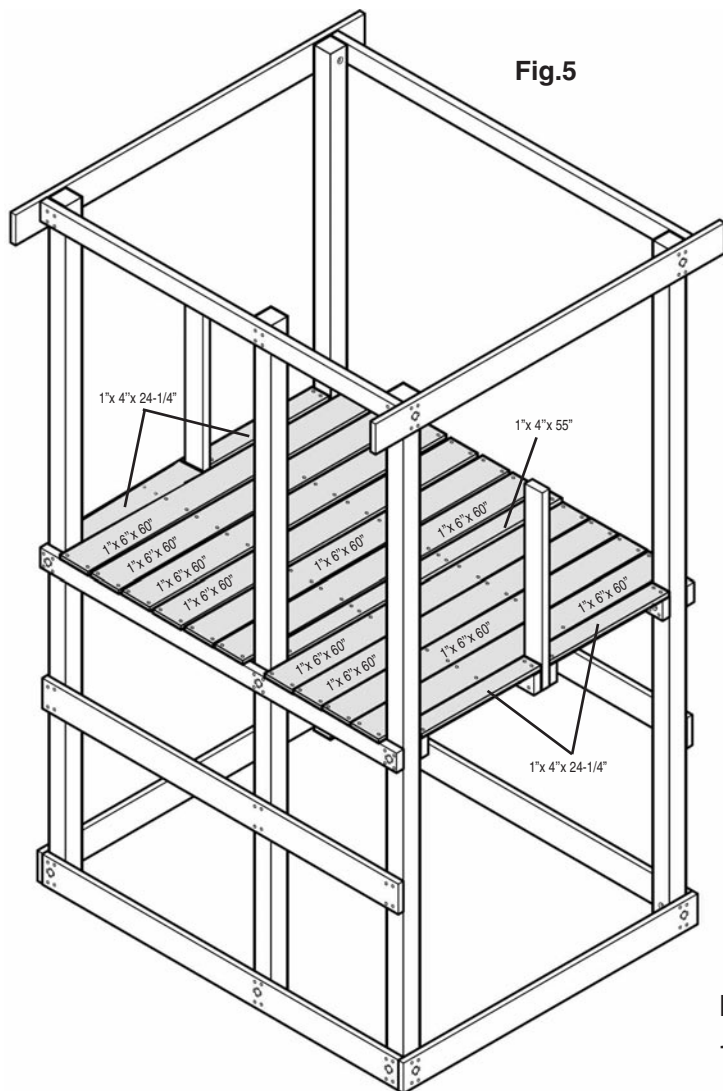


Frame Assembly (cont.)

6. Offset counterbore to avoid drilling into previously attached bolts. Using a 1-1/8" spade bit, drill a counterbore 1" deep into each 4" x 4" joint. Drill a 5/16" hole through the 4" x 4" and 2" x 4" as well as the 4" x 4" and 1" x 6".
Secure each joint using one 4" carriage bolt, wood loc washer, washer and loc nut. **Note:** Do not bolt 2" x 4" or 1" x 6" boards unless indicated.
(See Fig. 2 and Fig. 3).
7. Attach two 2" x 4" x 62" deck supports in center as shown in (Fig. 4) using two 3" screws per board.
8. Attach two 2" x 4" x 34-1/4" rail supports as shown in (Fig. 4) using two 3" screws per joint.
9. Attach nine 2" x 4" x 3-1/2" support blocks as shown in (Fig. 4) using four 3" screws per joint.

ASSEMBLY INSTRUCTIONS

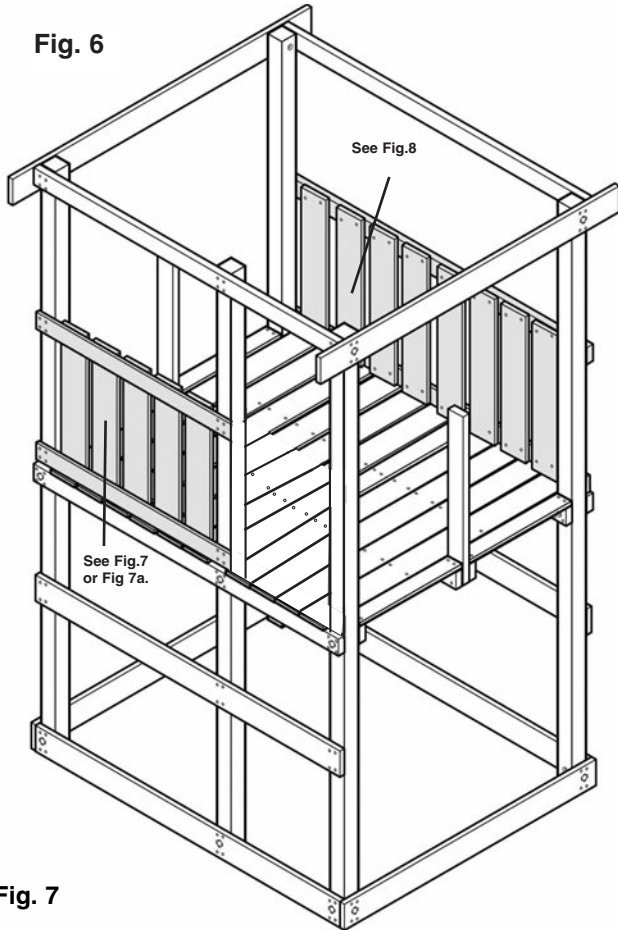
Fig.5



Deck Assembly

1. Attach two 1" x 4" x 24-1/4" deck boards as shown in (Fig. 5) using four 2" screws per board. (2 per joint)
2. Evenly space four 1" x 6" x 60" deck boards as shown in (Fig. 5). Attach using eight 2" screws per board. (2 per joint)
3. Attach one 1" x 4" x 55" deck board as shown in (Fig. 5) using eight 2" screws per board. (2 per joint)
4. Evenly space six 1" x 6" x 60" deck boards as shown in (Fig. 5). Attach using eight 2" screws per board. (2 per joint)
5. Attach two 1" x 4" x 24-1/4" deck board as shown in (Fig. 5) using four 2" screws per board. (2 per joint)

Fig. 6



Railing Assembly

Note: If you are installing a C230, assemble railing as shown in Fig 7a. using five 1" x 6" x 30", one 1" x 4" x 46" and one 1" x 4" x 72 -3/4" boards. Secure using two 1-1/4" screws per joint (4 per board).

1. Assemble railing (Fig. 7) using five 1" x 6" x 30", one 1" x 4" x 46" and one 1" x 4" x 45 - 1/4" boards. Secure using two 1-1/4" screws per joint. (4 per board)
2. Assemble railing (Fig. 8) using eight 1" x 6" x 30", one 1" x 4" x 72-3/4", and one 2" x 4" x 72" boards. Secure using two 1-1/4" screws per joint. (4 per board)
3. Attach the railing assembly (Fig. 7 or Fig 7a.) to (Fig. 6). Secure using sixteen 2" screws (4 screws per joint.)
4. Attach the railing assembly (Fig. 8) to (Fig. 6). Secure using eight 3" screws (through 2" x 4") and eight 2" screws (through 1" x 4").(4 per joint.)

Fig. 7

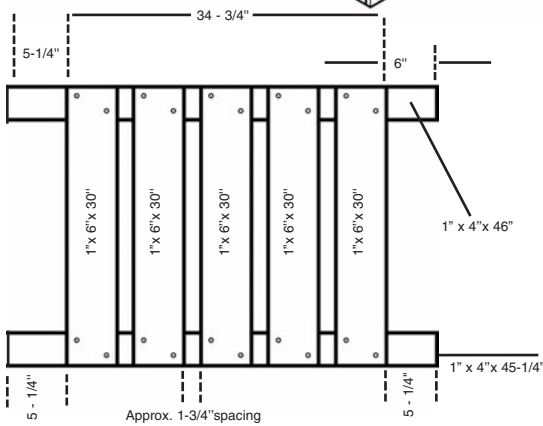


Fig. 7a (used on C230 only.)

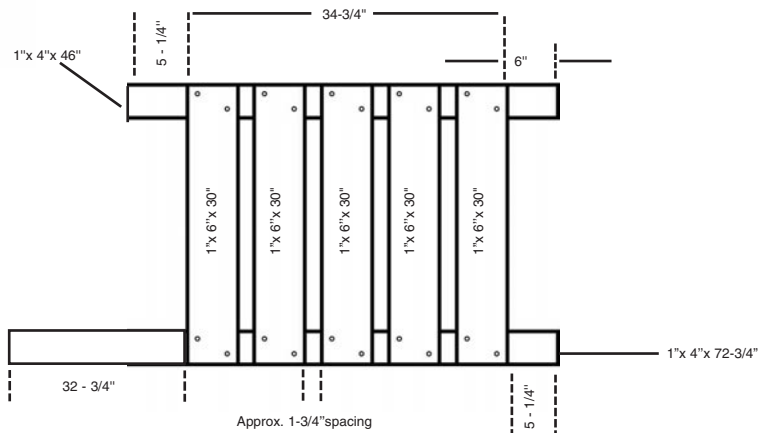
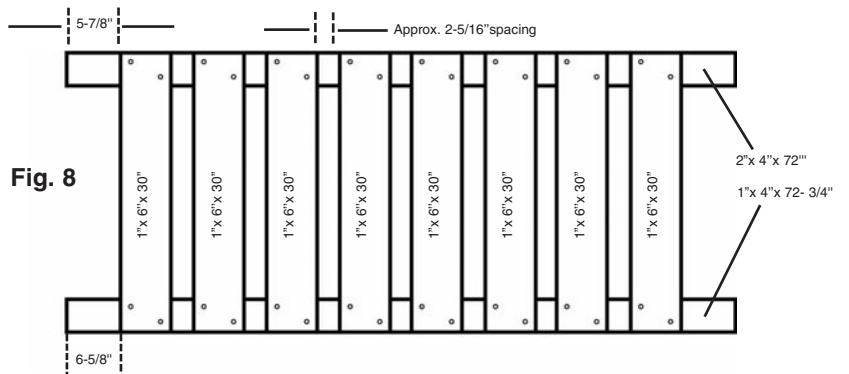


Fig. 8



ASSEMBLY INSTRUCTIONS

Fig. 9

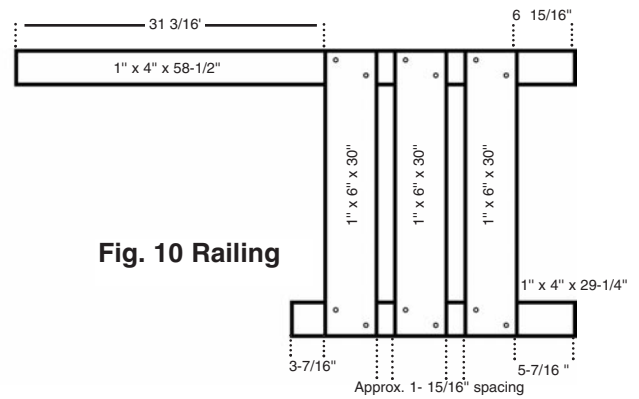
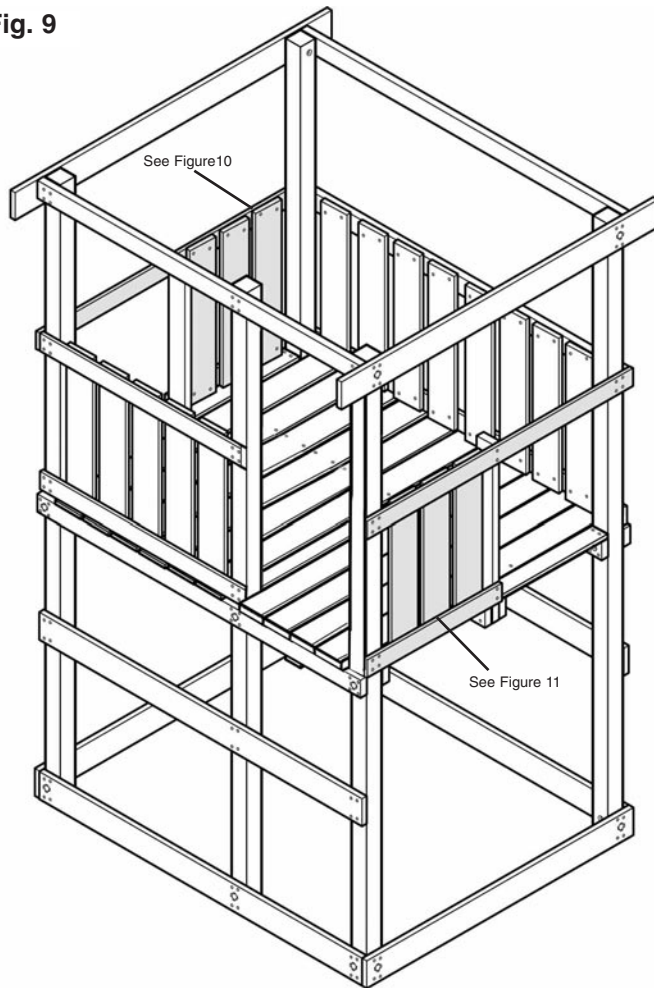


Fig. 10 Railing

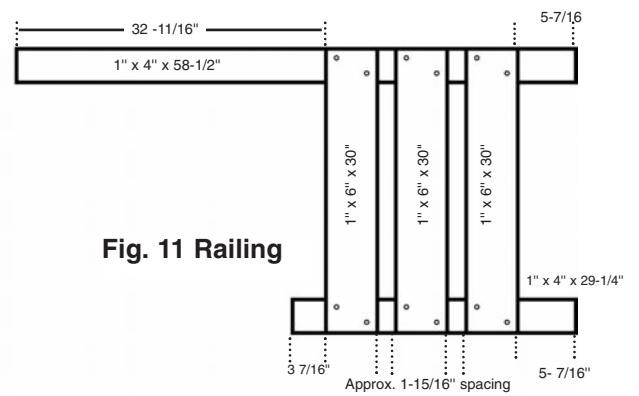


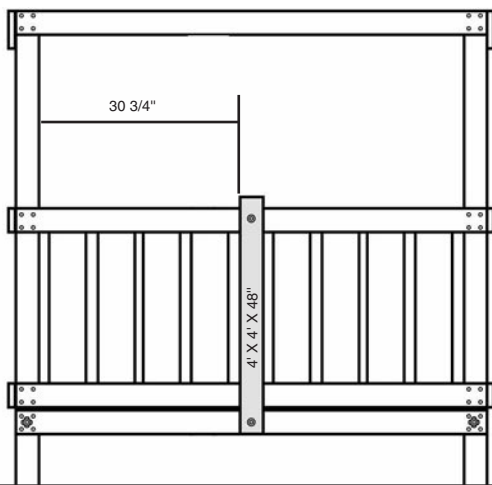
Fig. 11 Railing

Railing Assembly (cont.)

5. Assemble railing (Fig. 10) using three 1" x 6" x 30", one 1" x 4" x 58 -1/2", and one 1" x 4" x 29-1/4" boards. Secure using two 1-1/4 " screws per joint. (4 per board)
6. Assemble railing (Fig. 11) using three 1" x 6" x 30", one 1" x 4" x 58 -1/2", and one 1" x 4" x 29-1/4" boards. Secure using two 1-1/4" screws per joint. (4 per board)
7. Attach the two railing assemblies (Fig. 10 and Fig. 11) to (Fig. 9). Secure using sixteen 2" screws (four per joint).

ASSEMBLY INSTRUCTIONS

Fig. 12



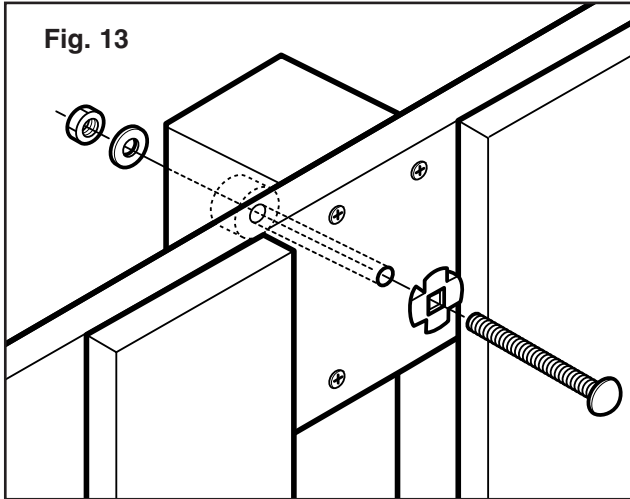
Railing Assembly (cont.)

8. Attach 4" x 4" x 48" to 2" x 4" x 72" fence rail and deck support as shown in (Fig. 12 and 13) using four 3" screws in each location.

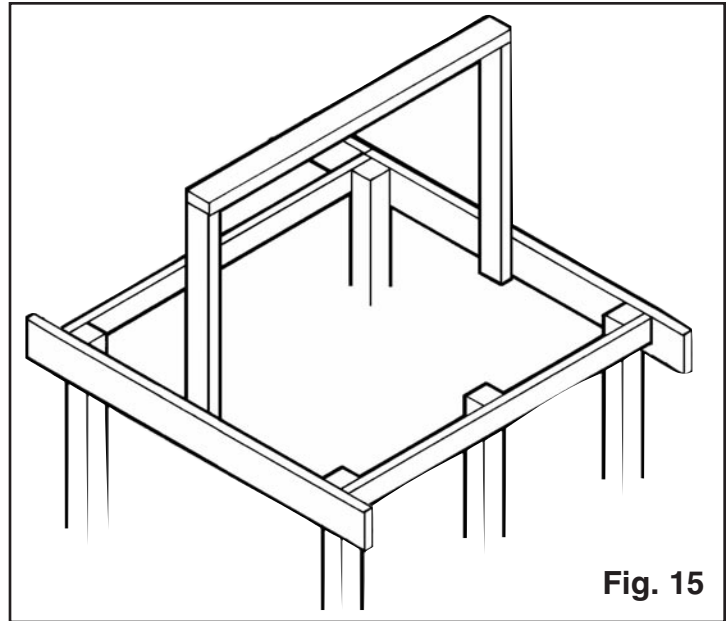
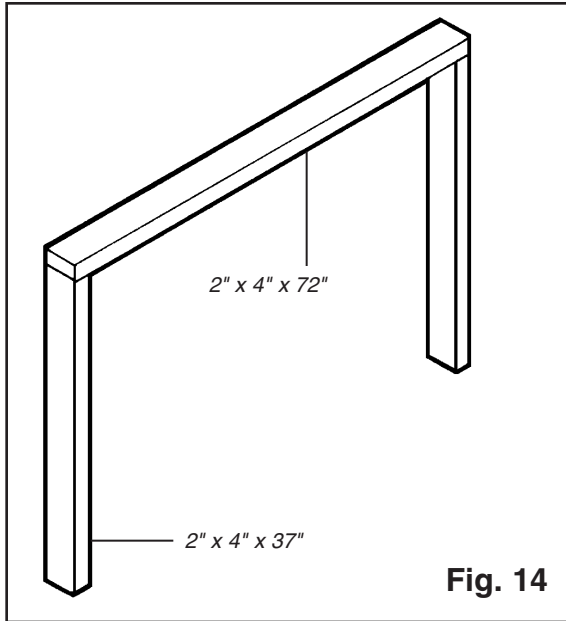
NOTE: If you are building a C229 or C230, attach a 4" x 4" x 36-1/4" to 2" x 4" x 72" fence rail and deck support as shown in Fig (12 and 13) using four 3" screws in each location.

9. Locating the center of the 2" x 4" and 4" x 4" joint, use a 1-1/8" spade bit to drill a counter bore 1" deep into the 4" x 4". Drill a 5/16" hole through the 4" x 4" and 2" x 4". Secure each joint using one 4-1/2" carriage bolt, wood loc washer, washer, and loc nut (Fig. 13). Repeat step for bottom support (Fig. 13).

Fig. 13



ASSEMBLY INSTRUCTIONS



Roof Assembly (tarp proof)

1. Assemble the roof support as indicated in Fig. 14. Attach the 2" x 4" x 72" board to the tops of the 2" x 4" x 37" boards using two 3" screws per joint.
2. Standing on the deck, center the roof support between the 4" x 4" legs and flush with the bottom of the corresponding 1" x 6" top support (see Fig. 15). Secure the support to the unit using four 2" screws per joint.
3. Place the roof over the support and center. Attach one side using three tarp washers and 1-1/4" screws (see Fig. 16). Stretch the roof tight and secure the other side with the remaining tarp washers and screws.

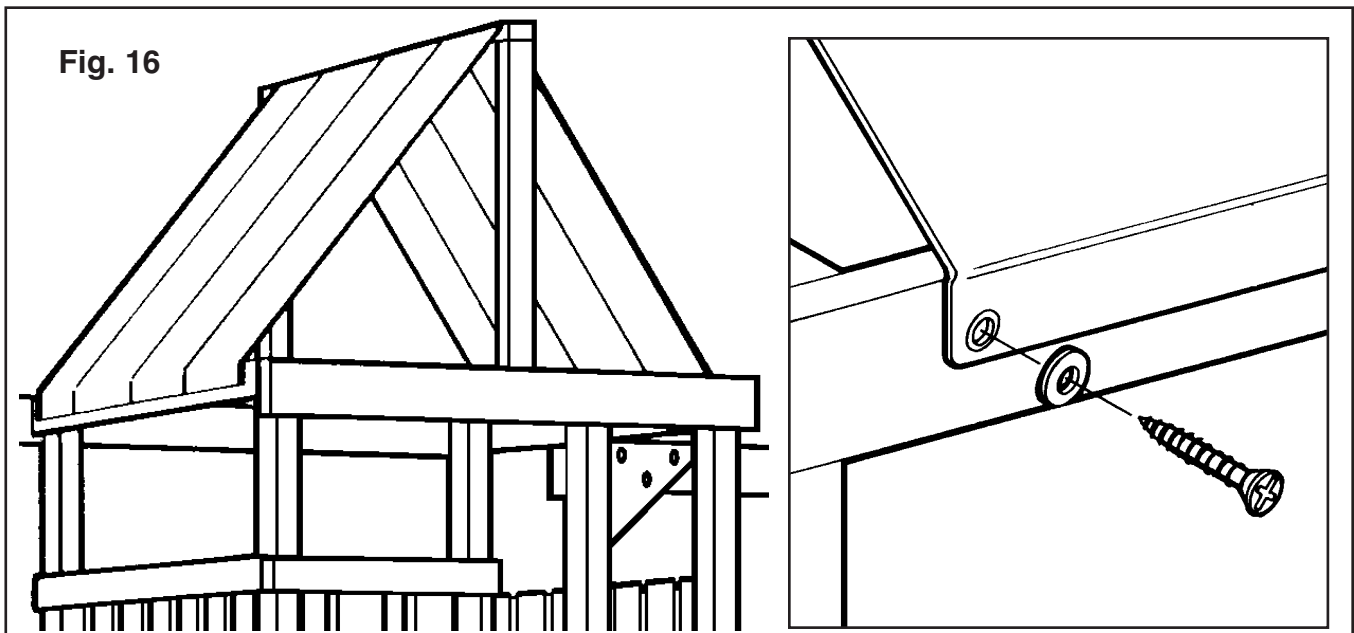
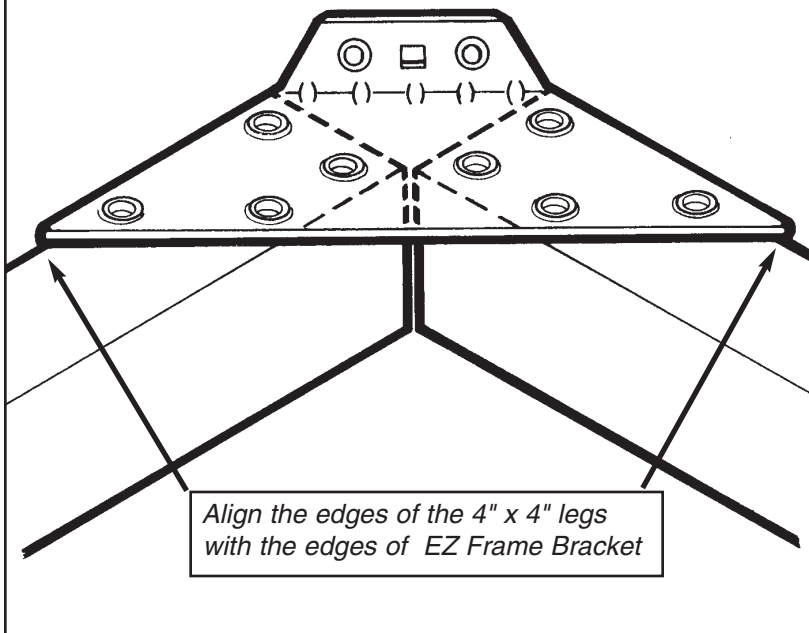


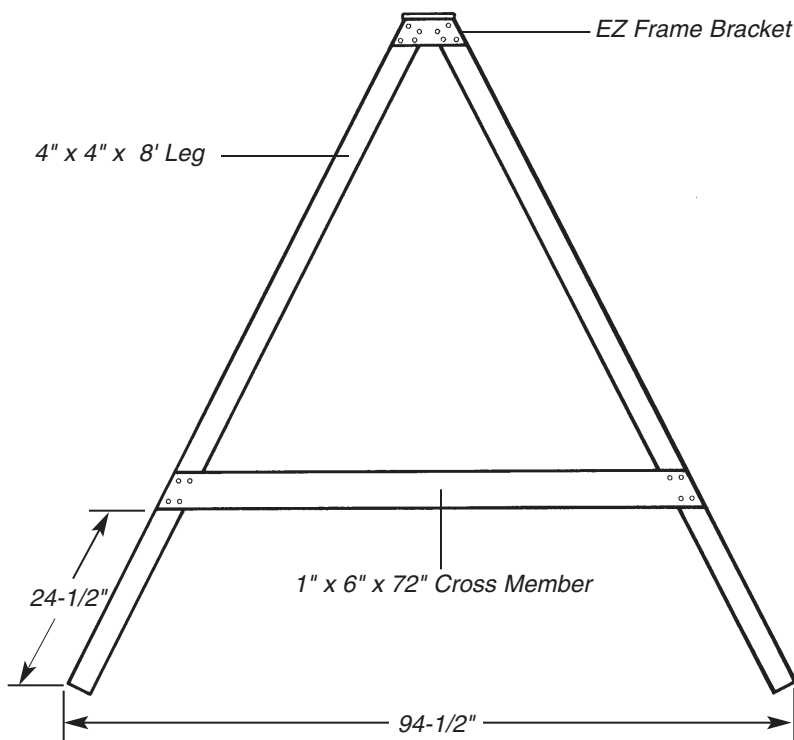
Fig. 17



A-Frame Assembly

1. Measure the 4" x 4" x 8' legs to insure they are the same length. Adjust if necessary.
2. Lay two 4" x 4" x 8' legs on a flat surface with the ends together to form a "V". Place an EZ Frame bracket at the "V" and align edges of the 4" x 4" legs with edges of the EZ Frame bracket (Fig. 17).
3. Before securing the EZ Frame bracket, measure the base of the A-Frame from the outermost point of each 4" x 4" leg (Fig. 18). This dimension should be approximately 94-1/2" (Fig. 18).
4. Secure the EZ Frame bracket to the 4" x 4" legs using eight 3" screws. Be careful to maintain the alignment of the bracket to the edges of the 4" x 4" legs.
5. Place a 1" x 6" x 72" cross member on the A-Frame assembly. The bottom edge of the cross member should be approximately 24-1/2" from the bottom outside edge of the 4" x 4" leg (Fig. 18). **NOTE:** Cross member should be flush with the outside edge of the 4" x 4" legs. Secure cross member to the frame assembly using four 3" screws per joint.
6. Turn A-Frame over and attach a second EZ Frame bracket to the opposite side of the 4" x 4" legs.

Fig. 18



ASSEMBLY INSTRUCTIONS

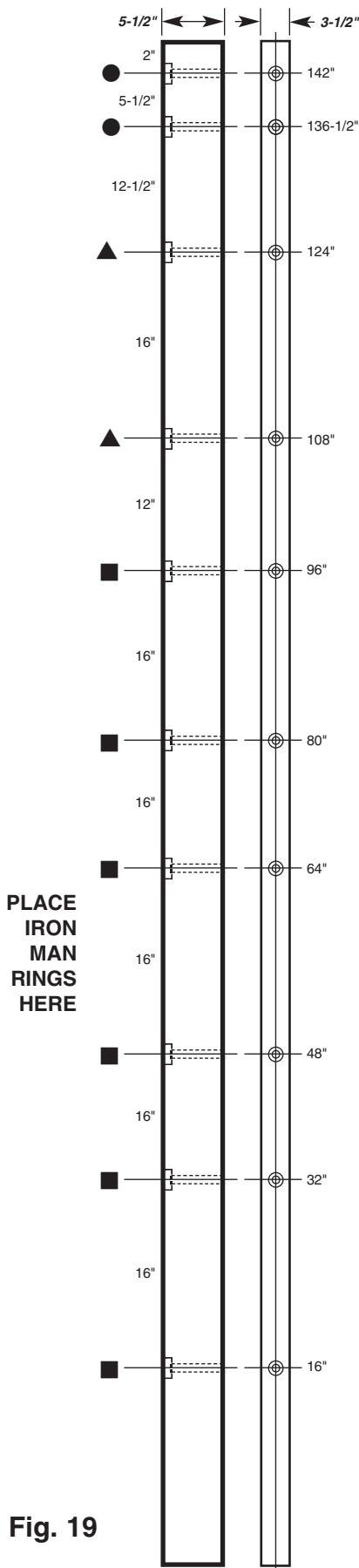


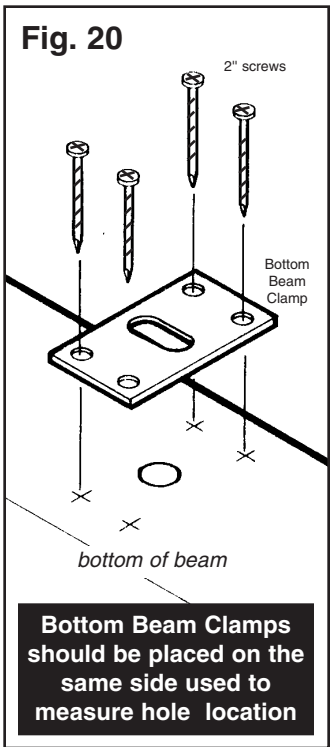
Fig. 19

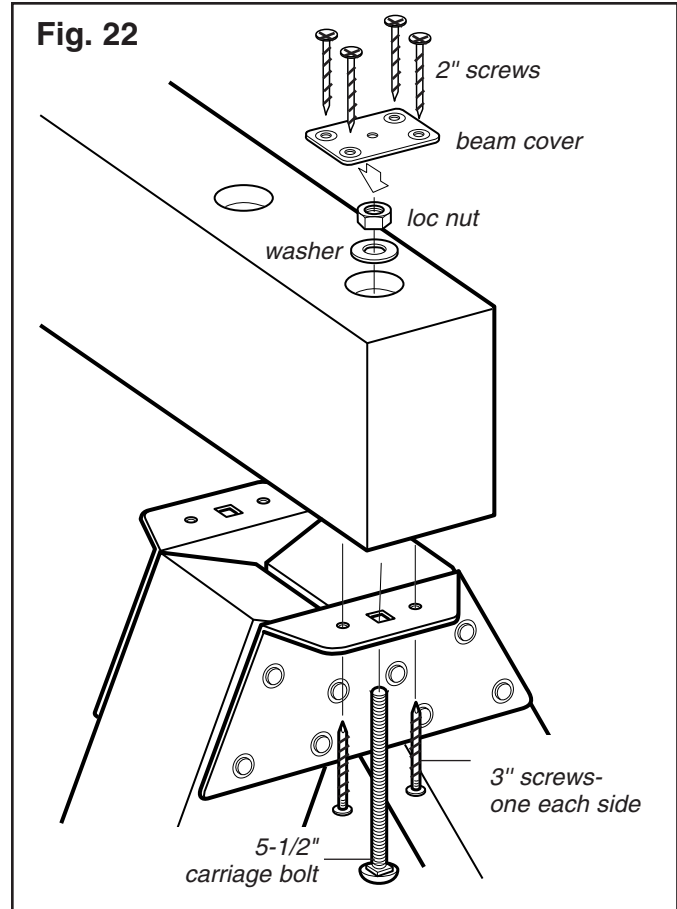
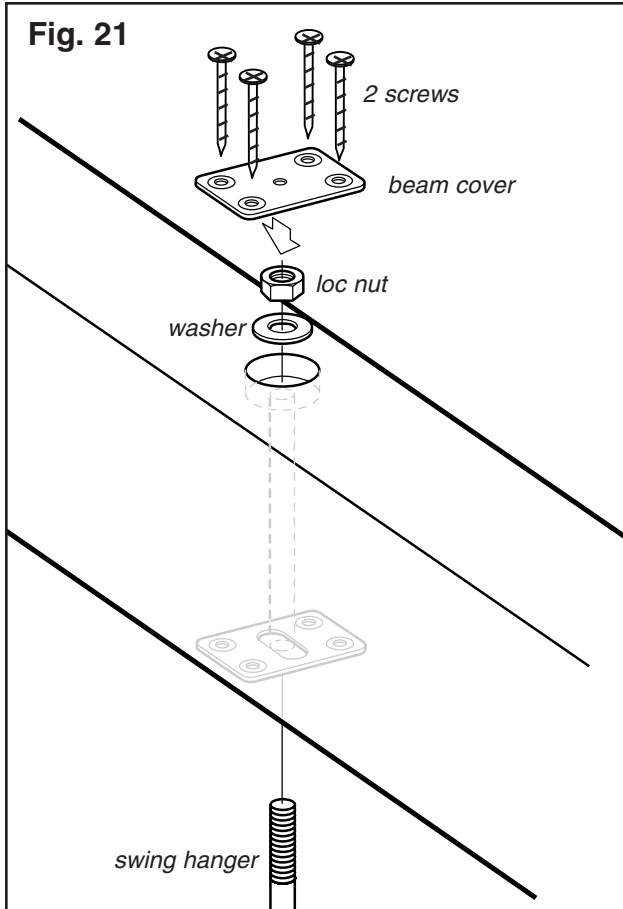
- Indicates placement of a beam cover only
- Indicates placement of beam cover and bottom beam clamp
- ▲ Indicates an optional accessory area

Note: Dimensions on the left side of the beam indicate the distance between the center of each hole, dimension on the right side are cumulative

Beam Assembly

1. If you are using a 2" x 6" laminated beam refer to page 24.
2. Measure and mark all holes on the center of the 4" x 6" x 12' beam as dimensioned in Fig. 19.
3. Using a 5/16" drill bit, drill holes through the beam at a 90° angle to the lumber. **NOTE:** If drill bit is not long enough, measure and mark the bottom of the beam and drill from both sides.
4. Turn the beam over and counterbore each hole approximately 5/8" inch deep using a 1-1/8" spade bit.
5. Attach bottom beam clamps (slotted hole), to the side of the beam used for measuring hole locations (see Fig. 19 for proper placement of bottom beam clamps). Secure using four 2" screws (Fig. 20). **NOTE:** Refer to the guide at the top corner of this page for proper placement of the beam covers and bottom beam clamps.
6. Insert nylon bushing swing hangers in the corresponding holes and secure using a washer and loc nut (Fig. 21). Place a beam cover over the top of the counter-bore and secure using 2" screws as shown in Fig.21.





Beam Placement

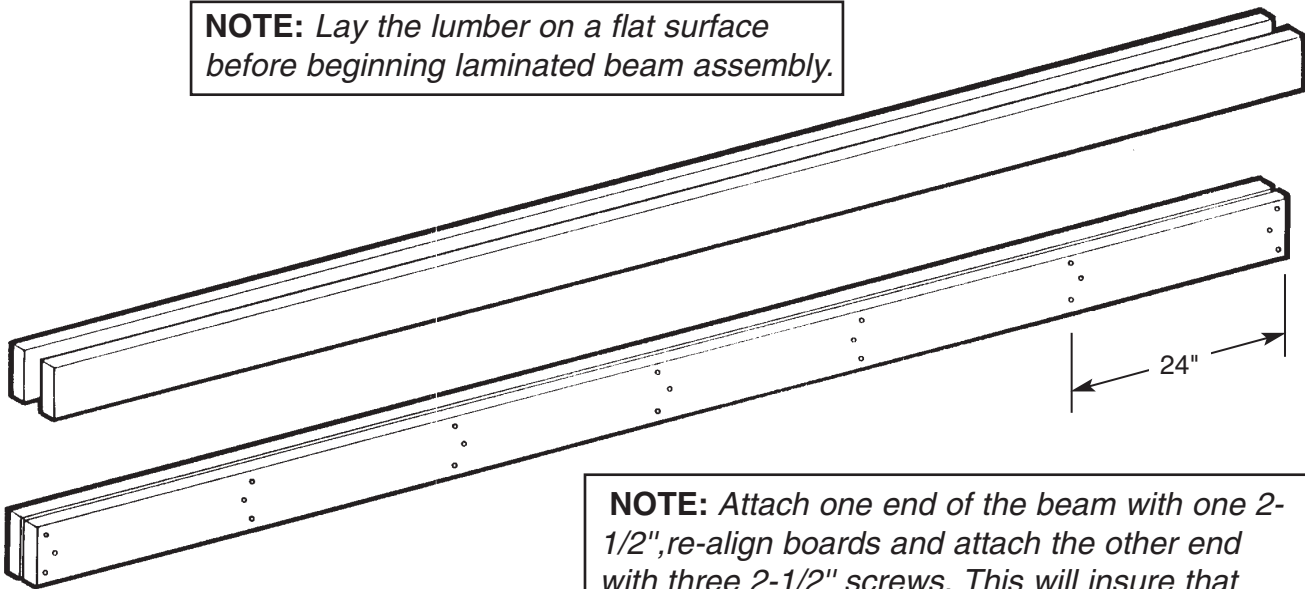
NOTE: You will need the assistance of at least one other individual to correctly attach the beam to the A-Frame assembly.

1. Place beam on the ground and align EZ Frame brackets of the A-Frame with corresponding holes in the beam (see Fig. 19 for hole locations). Insert a 5-1/2" carriage bolt through the center hole in each EZ Frame bracket and continue through mating holes in the beam. Secure from above with a washer and loc nut (Fig. 22). Place a beam cover over the top of the counter-bore and secure using four 2" screws as shown in Fig. 22. **NOTE:** It may be necessary to force carriage bolt through the beam with the aid of a hammer.
2. While frame assembly is still on its side, secure brackets in position using one 3" screw on each side of the carriage bolt (Fig. 22).

ASSEMBLY INSTRUCTIONS

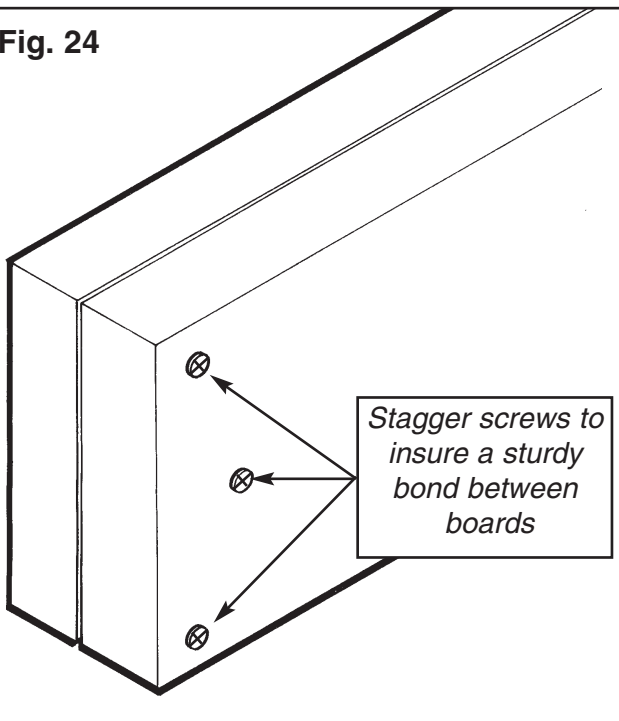
Fig. 23

NOTE: Lay the lumber on a flat surface before beginning laminated beam assembly.



NOTE: Attach one end of the beam with one 2-1/2", re-align boards and attach the other end with three 2-1/2" screws. This will insure that your boards will stay aligned throughout the remainder of the beam assembly.

Fig. 24

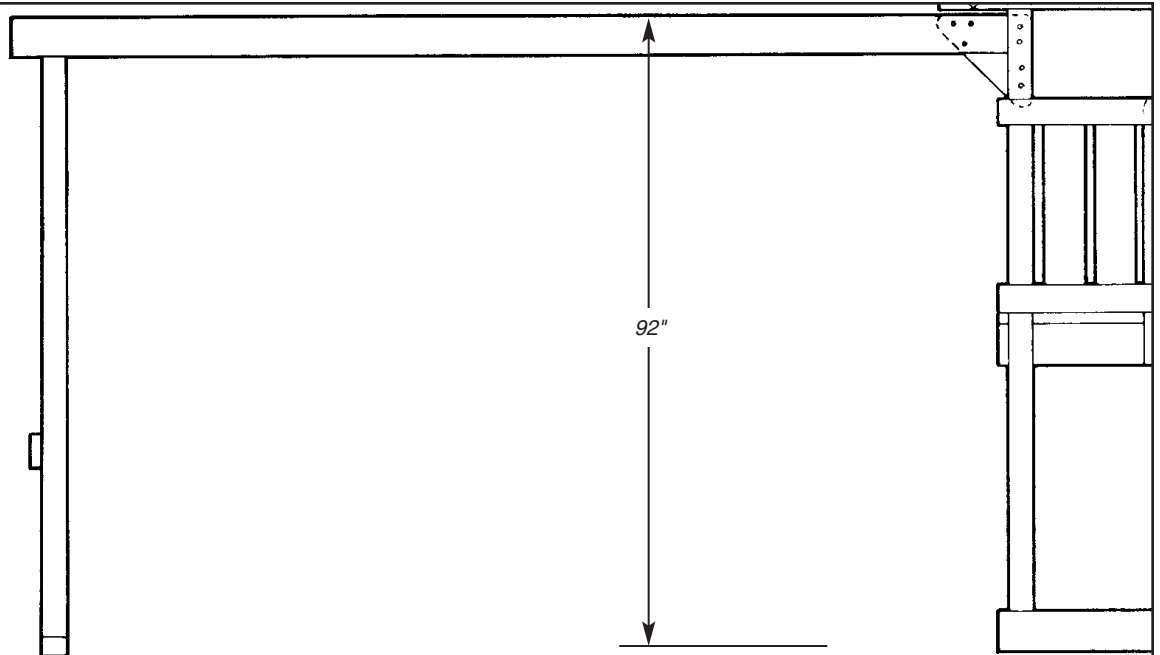


Laminated Beam Instructions

1. If 4" x 6" lumber is not available, you may laminate two 2" x 6" x 12' pieces of lumber together to create the beam.
2. Lay the lumber on a flat surface and align all of the edges. **NOTE:** Make sure each piece of lumber is the same length. If it is not, trim board(s).
3. From the end of each board, measure and place a mark at 24" intervals (Fig. 23).
4. Assemble the beam by attaching each end together using three 2-1/2" (Fig. 24).
Note: Stagger the screws as shown in Fig. 24.

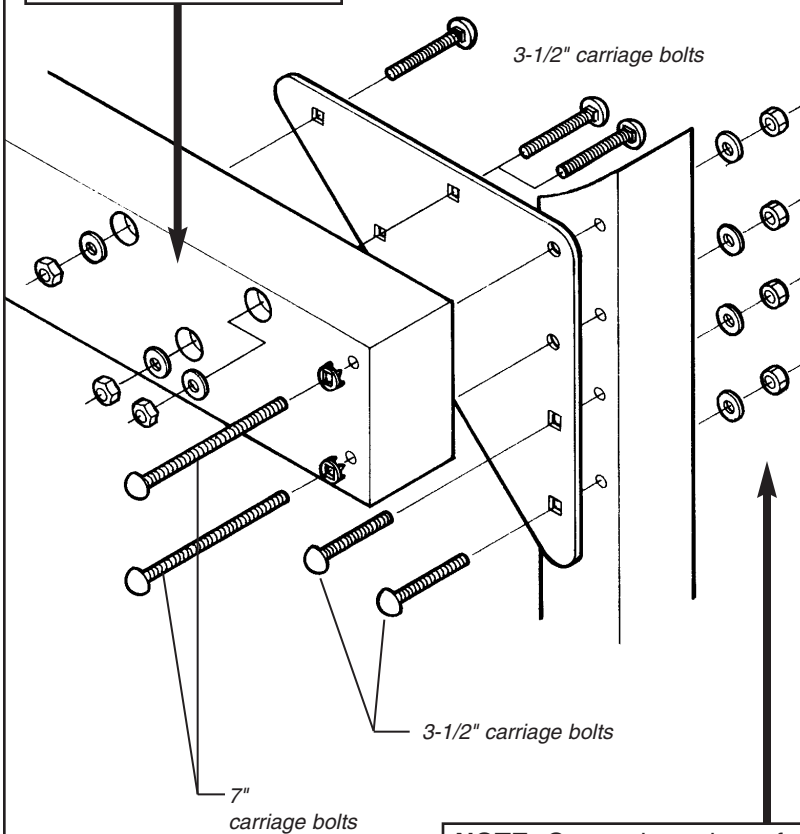
to insure a sturdy bond. Repeat every 24" along the entire length of the beam. When beam is complete, measure, drill holes, and attach beam clamps and nylon bushing swing hangers according to the instructions on pages 21 and 22..

Fig. 25



NOTE: Counterbore these three holes on this side of the 4" x 6" beam

Fig. 26



NOTE: Counterbore these four holes on this side of the 4" x 4" upright

Attaching Beam

1. Position the triangle bracket on the 4" x 4" x 96" upright and 4" x 6" beam and mark the position of the holes on each (Fig. 25). **NOTE:** The top of the beam should be 92" from the bottom of the climbing unit (Fig. 25).
2. Drill a 1-1/8" counterbore, 1" deep, at each hole location as indicated in Fig. 26.
3. Drill a 5/16" hole through the center of each counterbore and two additional mating holes through the end of the beam (Fig 26).
4. Attach the beam to the upright using two 7" carriage bolts, wood loc washers, flat washers, and loc nuts. Attach beam brace to the beam and upright using five 3-1/2" carriage bolts, flat washers, and loc nuts as detailed in Fig. 26.

ASSEMBLY INSTRUCTIONS

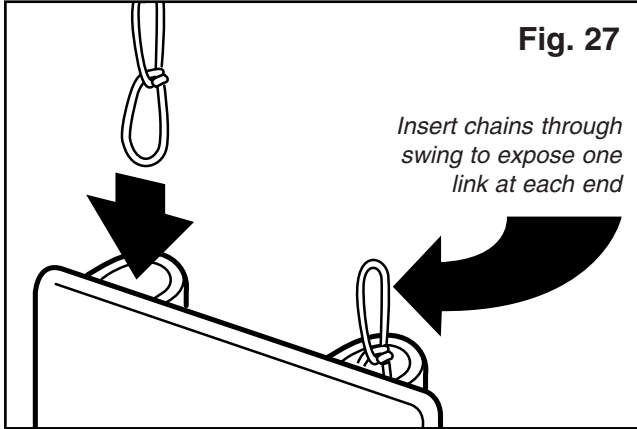
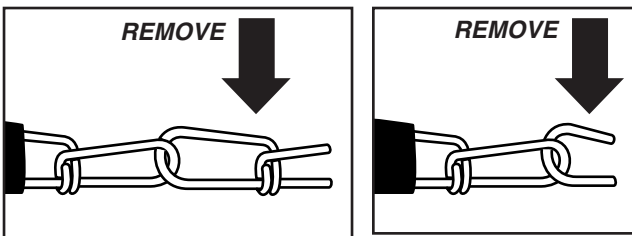


Fig. 27

Insert chains through swing to expose one link at each end

Fig. 28



NEVER hang a swing seat by a partial link of chain!
Remove and discard partial links.

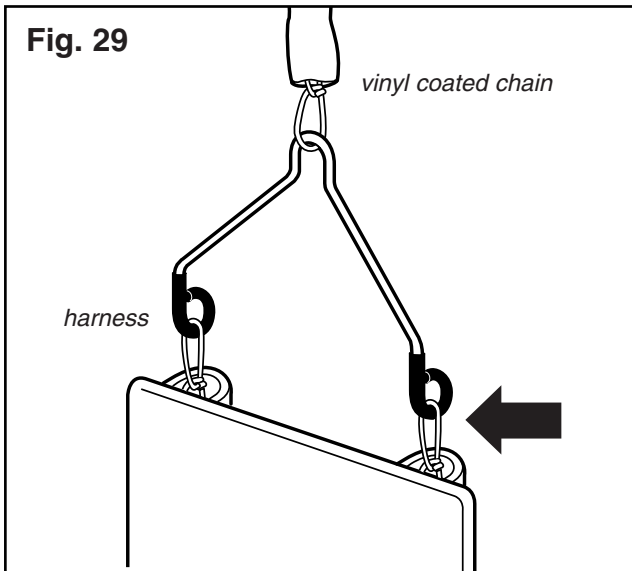


Fig. 29

vinyl coated chain

harness

WARNING: Improperly closed hooks could cause serious injuries. Close all hooks completely before use!

Final Assembly

1. Hold the swing seat vertically and insert uncoated chains through the channels on the bottom of the swing seat. **NOTE:** A coat hanger may be used to help pull chain through the swing seat. One full link should show at each end of the seat (Fig. 27).
2. Remove the vinyl chain coating to expose one **FULL LINK** at each end of the covered chains. Remove any partial links (Fig.28). **NOTE:** Seat height can be adjusted in the same manner.
3. Place one covered chain onto each harness. (Fig. 29). Crimp harness end closed. **CAUTION:** It is important that you crimp harness ends completely closed before using (see Fig. 29). Place end of harness with hooks on a hard surface and force hooks closed with a hammer or squeeze closed with a pliers until parts are touching. **WARNING:** Open hooks can cause deep cuts.
4. Hang the chains from the nylon bushing swing hangers. Crimp the hook opening closed with a pliers to secure the chains to the swing hangers (Fig. 30). Make sure all connections are tightly crimped and secure before using swing seat.

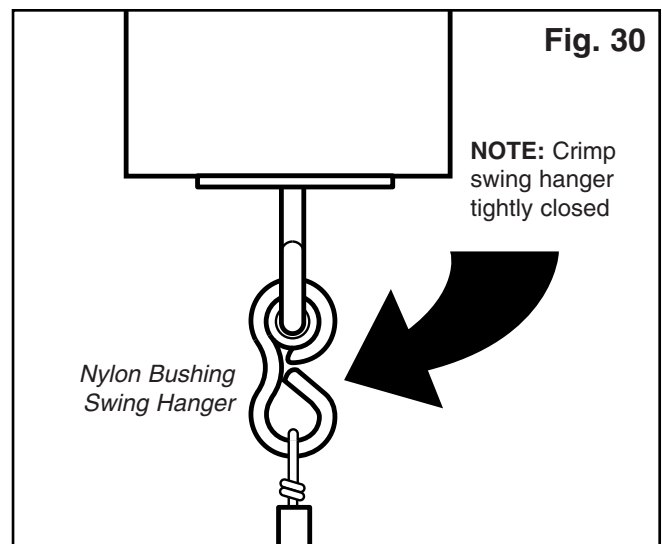


Fig. 30

NOTE: Crimp swing hanger tightly closed

Nylon Bushing Swing Hanger

Questions???...Call our Customer Service Department at 1-800-888-1232

ASSEMBLY INSTRUCTIONS

Ladder Assembly

1. Measure and mark locations on two 2" x 4" x 56" or 2" x 4" x 70" ladder rails (see ladder assembly below). Cut ends off the board as shown. Using a pencil and straight edge, connect measurements (dashed lines)
2. Attach 2" x 4" x 18-1/4" ladder rungs to previous marked rails as shown using four 3" screws. (2 per joint.)
3. Attach 2" x 4" x 21-1/4" to the back of the ladder underneath the first step using four 3" screws (2 per joint).
4. Using six 1-1/4" screws per bracket, place 2 step brackets per step (Fig. 32.) Step brackets are left and right sided and will only fit one way.
5. Position the finished ladder between the 4" x 4" post and upright (Fig. 31). NOTE: The top of the ladder rails should be flush with the top of the deck. Attach to the 4" x 4" using six 3" screws.(3 per joint.)

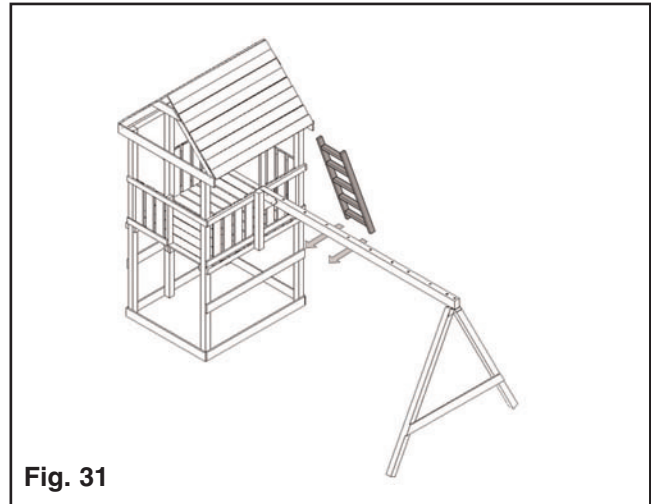
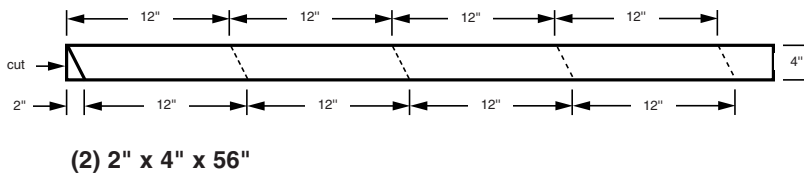
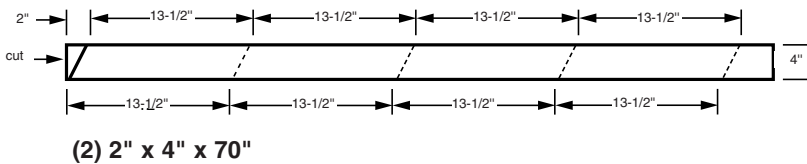


Fig. 31

Ladder assembly for C228 ONLY.



Ladder assembly for C229 & C230 ONLY.



Ladder assembly for C228 ONLY.

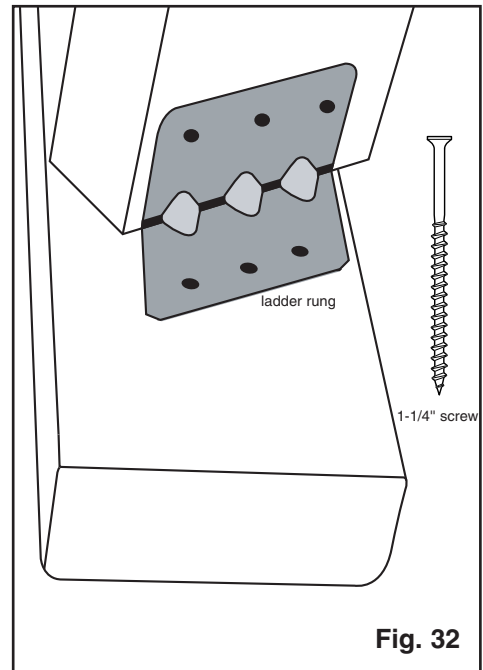
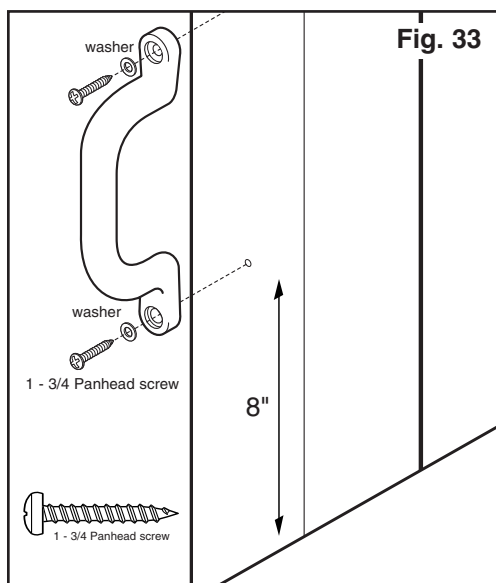


Fig. 32

ASSEMBLY INSTRUCTIONS

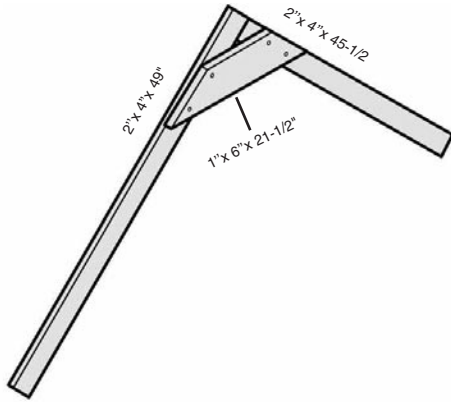


Final Assembly

1. Mount safety handles in the ladder opening approximately 8" above the deck surface (see Fig. 33).
2. Mark handle locations and attach to the 4"x 4" posts using two 1-3/4" screws and washers per handle.(see Fig 35)
3. Attach the permanent label to the unit using two 1/2" panhead screws.

ASSEMBLY INSTRUCTIONS - WOOD ROOF OPTION

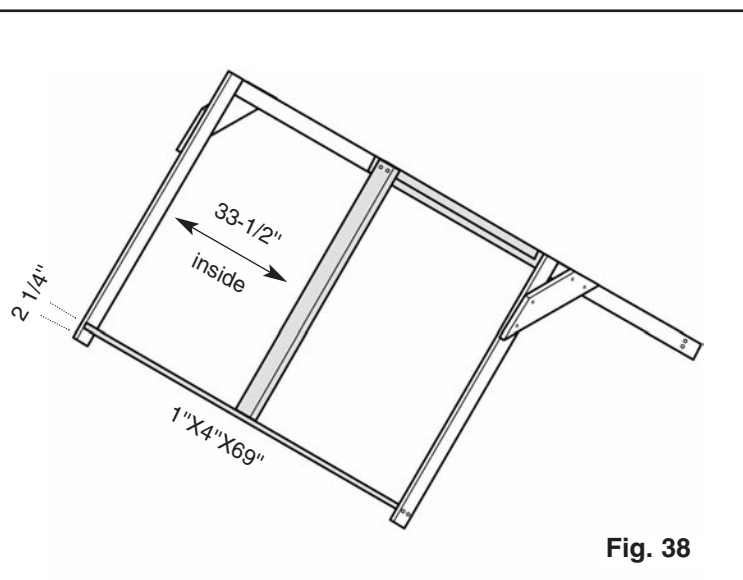
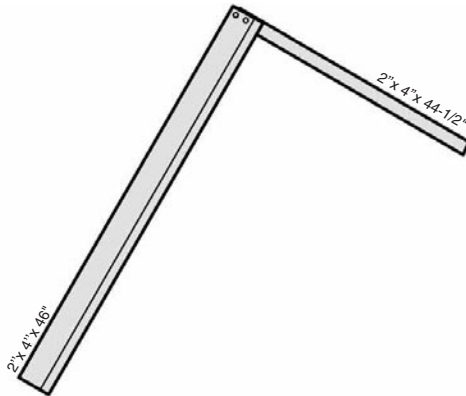
Fig. 36



Wood Roof Assembly

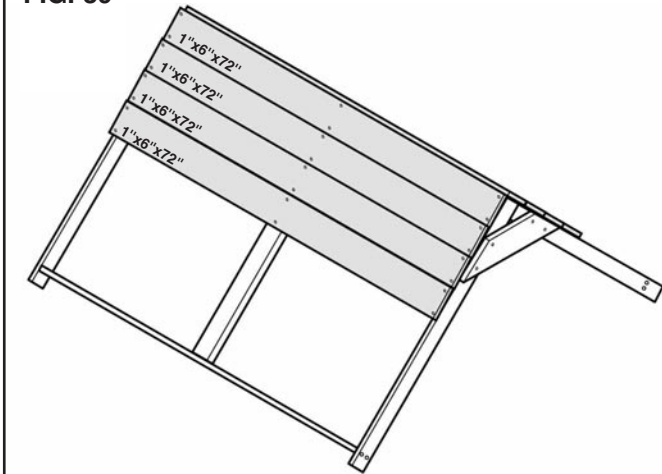
1. Assemble two frames as indicated in (Fig. 36) using one 2" x 4" x 49", one 2" x 4" x 45-1/2", and one 1" x 6" x 21-1/2" angle cut brace per frame. Attach the brace to the 2" x 4" boards using eight 2" screws (4 per joint).
2. Assemble a third frame as indicated in (Fig. 37) using one 2" x 4" x 46" and one 2" x 4" x 44-1/2" board. Screw boards together using two 3" screws at the top. NOTE: This frame should be assembled with the 4" surface facing up.
3. Position frames as indicated in (Fig. 38). Attach the 1" x 4" x 69" boards to the end of the frames as indicated using eight 2" screws. (2 per joint). Attach the center frame to the assembly using four 3" screws. (two per joint.)

Fig. 37



ASSEMBLY INSTRUCTIONS-WOOD ROOF OPTION

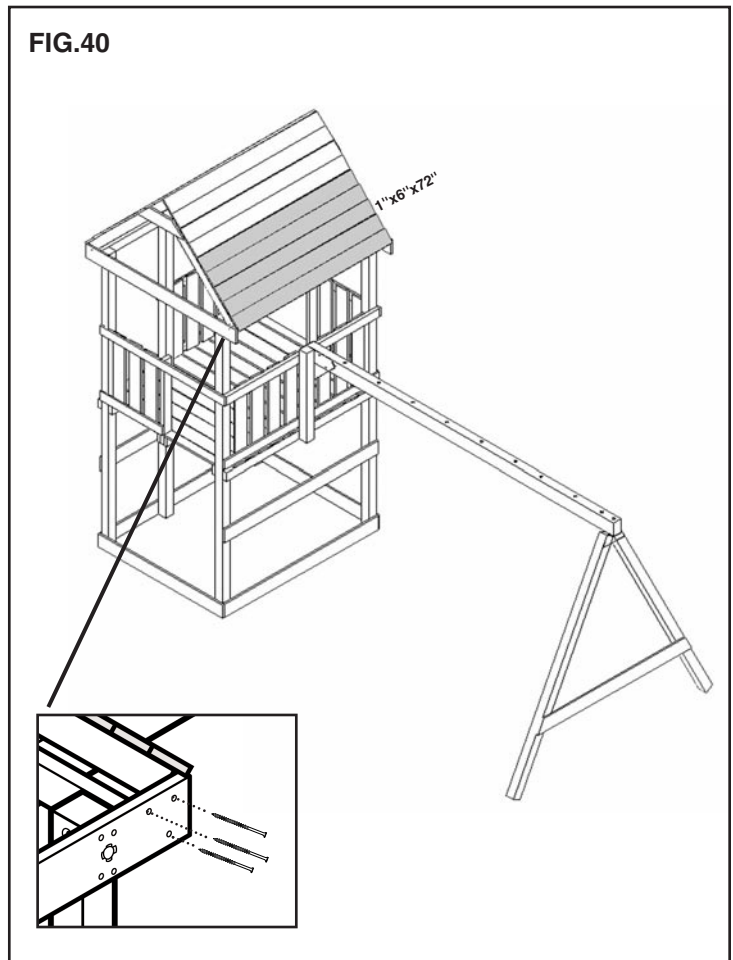
FIG. 39



Wood Roof Assembly (cont.)

4. Starting at the top, attach four 1"x 6"x 72" boards to each side of the frame assembly using six 2" screws. (two per joint.) (Fig. 39).
NOTE: The 1"x 6"x 72" boards should be flush with the outside edges and spaced approximately 1/8" between boards.
5. With the help of others, carefully lift and place the roof assembly on top of the unit.
6. Attach the roof assembly to the frame supports using three 2" screws per joint (Fig. 40).
7. Attach the remaining 1"x 6"x 72" roof boards to the frame using six 2" screws. (two per joint.) (Fig. 40)

FIG.40



2" screw



NE 4438



We Put Kids First.

COMPETITOR

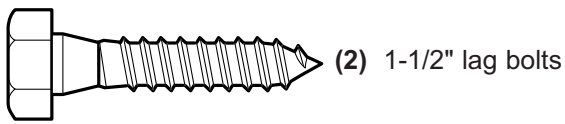
TURBO TUBE SLIDE®

**ASSEMBLY INSTRUCTIONS FOR ADDING THIS KIT TO THE COMPETITOR™
DESIGN C230**

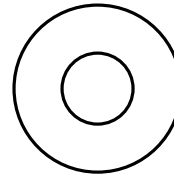
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Visit our web site at: www.swing-n-slide.com or call us at **1-800-888-1232**

KIT COMPONENTS

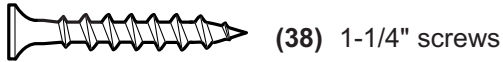
The hardware below is what is needed to construct this kit and is shown at actual size.



(2) 1-1/2" lag bolts



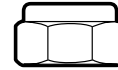
(14) 5/16" flat washers



(38) 1-1/4" screws



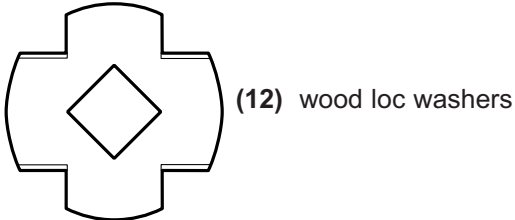
(138) 2" screws



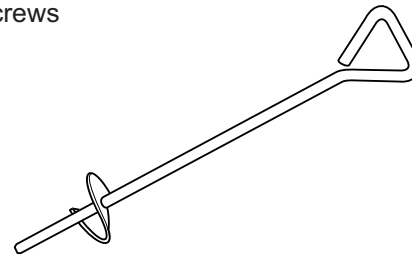
(12) lock nuts



(44) 3" screws



(12) wood loc washers



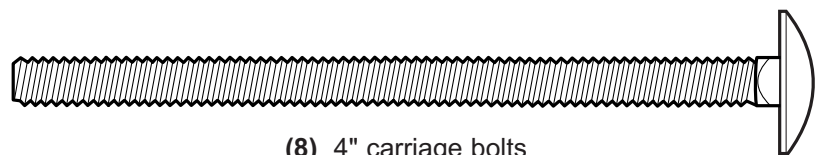
(2) Anchor-It™
Ground Anchors



(2) Ground Anchor Straps



(1) Plan



(8) 4" carriage bolts

ASSEMBLY INSTRUCTIONS

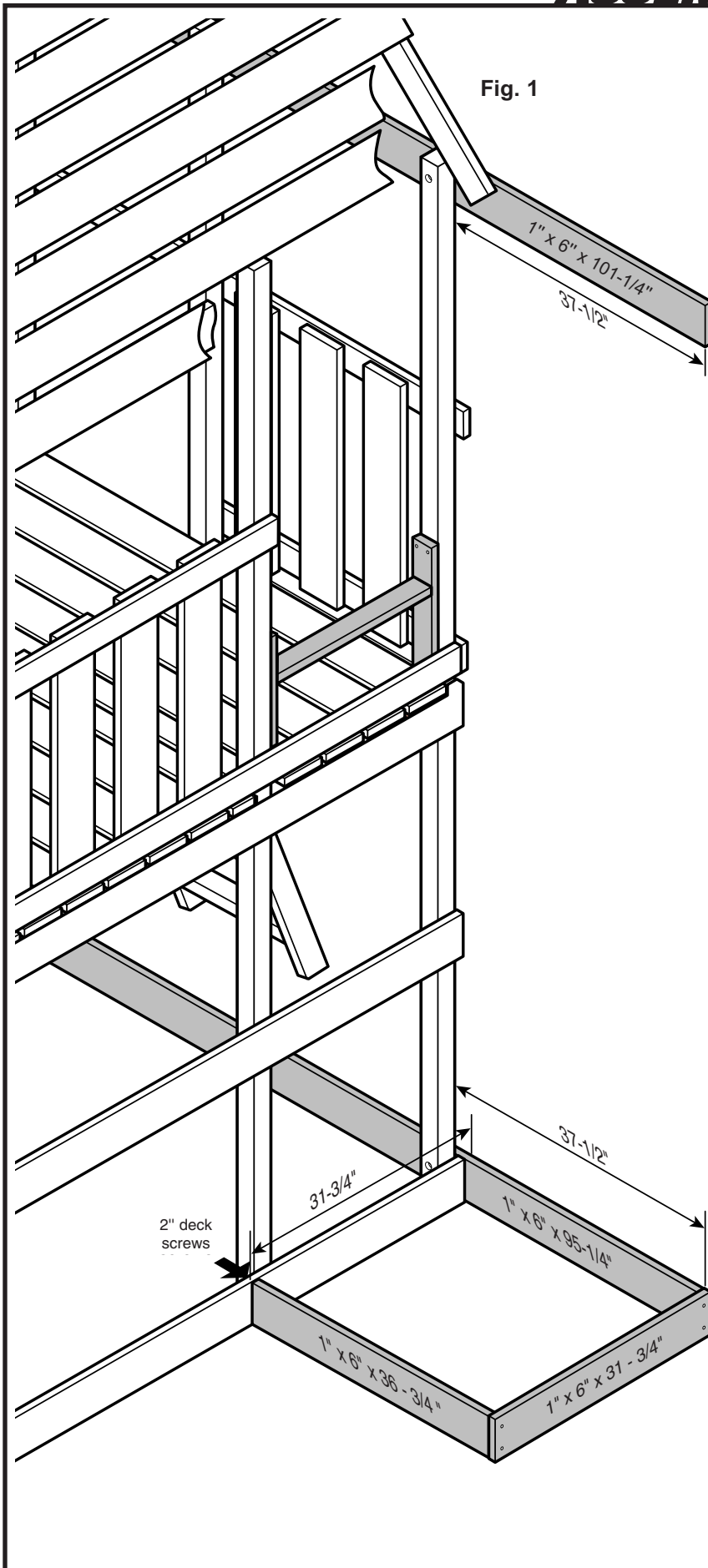
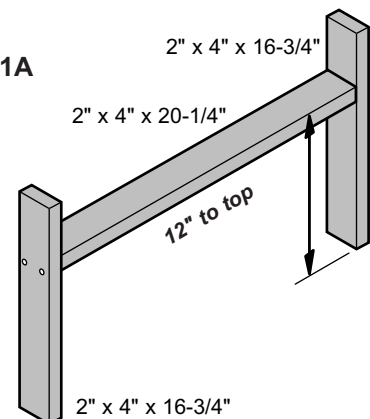


Fig. 1

TOWER INSTALLATION (C230)

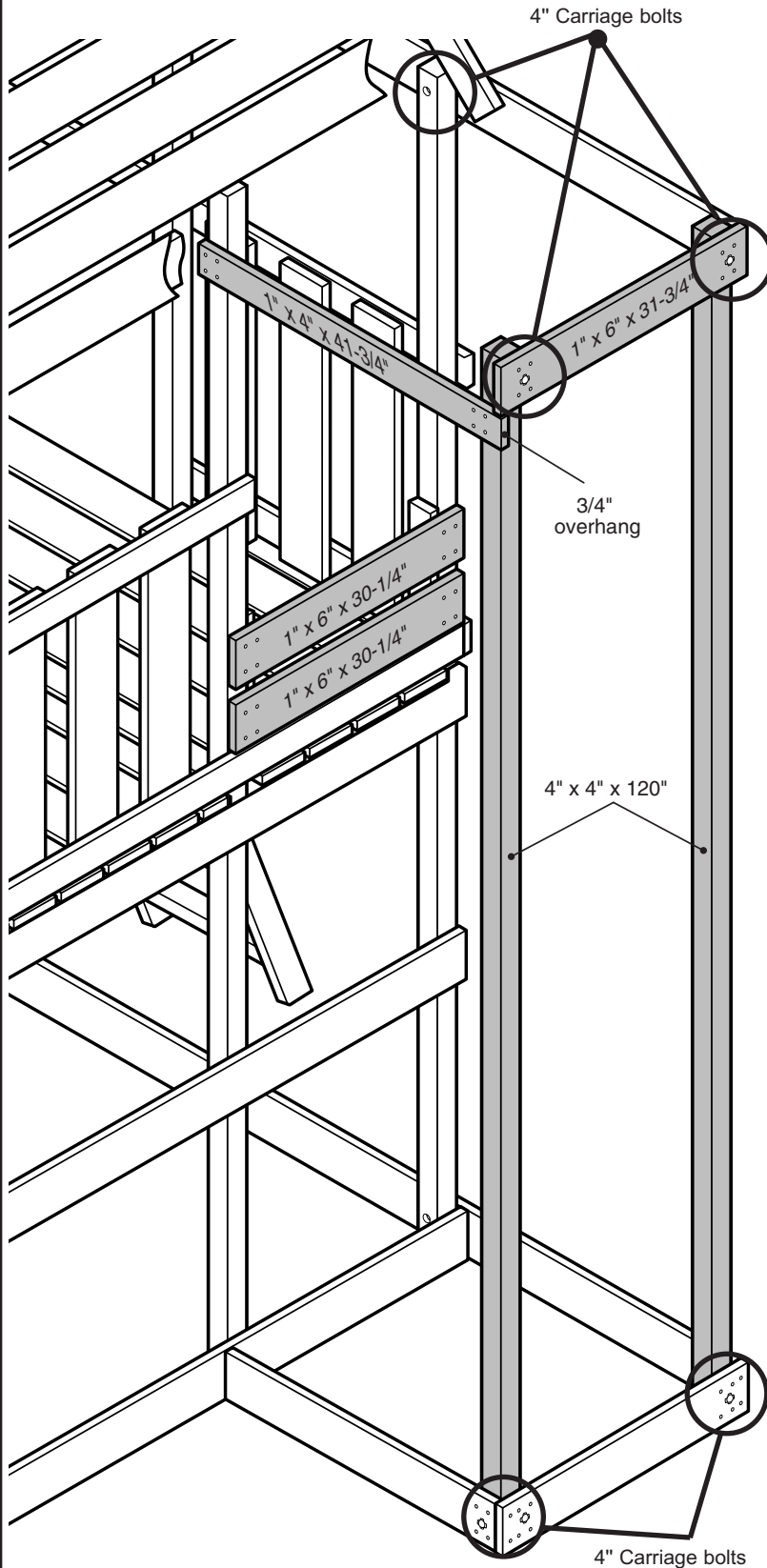
1. Assemble the tower step as indicated in (Fig. 1A) below using two 3" screws per joint. Position the step assembly in the opening as shown and attach to the unit using two 3" screws on each side, both top and bottom.
2. Attach the 1" x 6" x 95 1/4" base board and the 1" x 6" x 101-1/4" top board to the unit using four 3" screws per joint.
Note: The end of each 1" x 6" should measure 37-1/2" from the outside edge of the 4" x 4" corner post as illustrated in (Fig. 1).
3. Using the existing bolt holes in the 4" x 4" corner posts as guides, drill 5/16" holes through the previously attached 1" x 6" base and top boards. Secure each joint using a 4" carriage bolt, wood loc washer, washer and loc nut.
4. From the outside face of the 1" x 6" x 95-1/4" base board, measure and mark 31-3/4" along the top edge of the existing perpendicular base board. Butt the end of the 1" x 6" x 36-3/4" base board so its outside face aligns with the 31-3/4" mark. Secure it to the existing base board using three 2" deck screws at the location indicated by the arrow in (Fig. 1).
5. Attach the 1" x 6" x 31-3/4" base board to the ends of the existing base boards using two 2" screws per joint.

Fig. 1A



ASSEMBLY INSTRUCTIONS

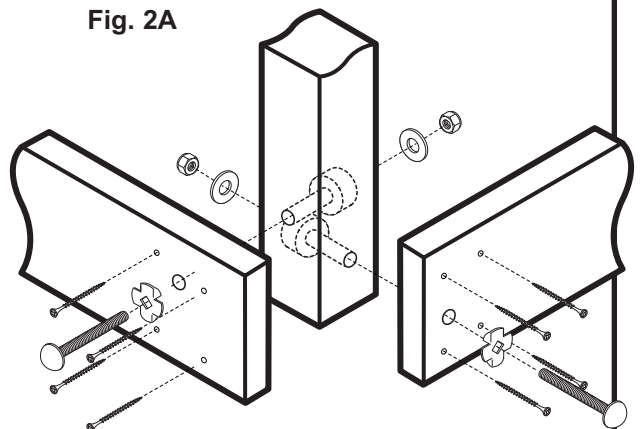
Fig. 2



TOWER INSTALLATION (cont.)

6. Attach two 1" x 6" x 30-1/4" spacer boards to the unit as indicated in (Fig. 2) using four 2" screws per joint.
7. Measure and mark 5-1/2" down from the top of the 4" x 4" middle post and position a 1" x 4" x 41-3/4" so its top edge aligns with the 5-1/2" mark and its end is flush to the inside face of the 4" x 4" post. Making sure it remains perpendicular to the 4" x 4" post, secure it to the post using four 2" deck screws.
8. Position two 4" x 4" x 120" posts to the assembly as indicated. Attach at the top and bottom using four 2" screws per joint. **Note:** Attach the 1" x 4" x 41-3/4" so its top edge is 5-1/2" below the top end of the 4" x 4" post and its end extends 3/4" beyond the edge of the 4" x 4" post.
9. Attach 1" x 6" x 31-3/4" to the top of the posts as shown in (Fig. 2) using four 2" screws per joint.
10. Drill 5/16" holes through the each 1" x 6" and 4" x 4" joint (7 joints total) as indicated. **Note:** Offset these holes about 1" as indicated in (Fig. 2A) so the bolts will not interfere with each other.
11. Counterbore the 4" x 4" approximately 1" deep at the hole locations. Secure each joint using a 4" carriage bolt, wood loc. washer, washer and loc nut.

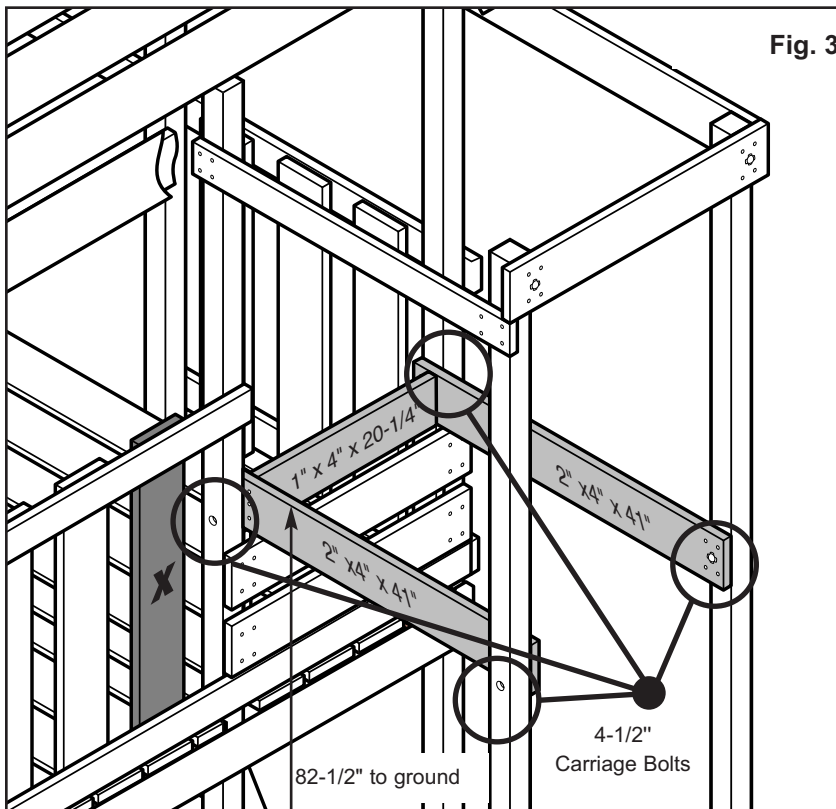
Fig. 2A



ASSEMBLY INSTRUCTIONS

DECK INSTALLATION

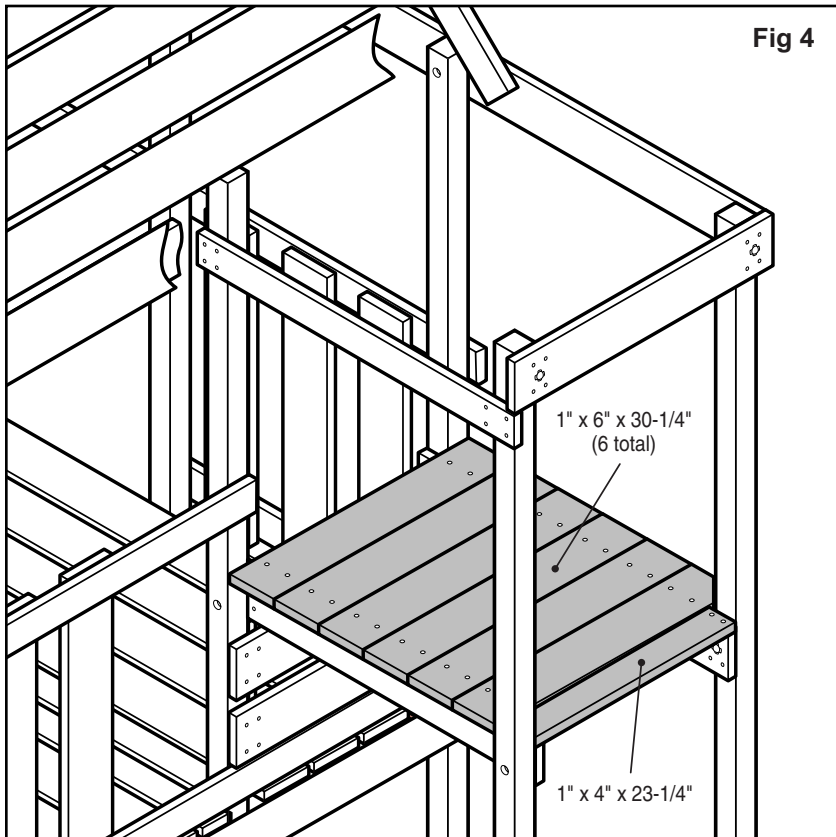
Fig. 3



1. Remove the dark shaded rail marked with an **X** and set it aside. It will be reinstalled later in the plan.
2. Attach two 2" x 4" x 41" deck supports to the unit as indicated in (FIG. 3) using four 3" screws per joint. **NOTE:** The tops of these boards should be approximately 82-1/2" from the ground and should be level.
3. Drill 5/16" holes through each of the 2" x 4" and 4" x 4" joints of the deck supports as indicated. Counterbore the 4" x 4" approximately 1" deep at each hole location. Secure each joint using a 4-1/2" carriage bolt, wood loc washer, washer and loc nut.

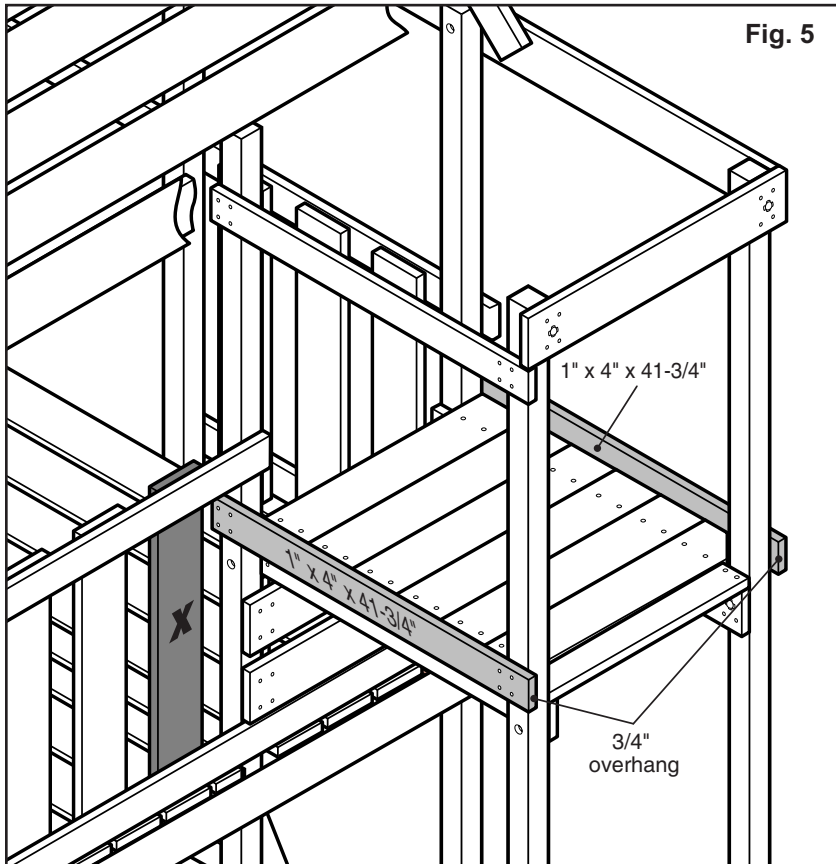
4. Place 1" x 4" x 20-1/4" spacer board between the deck supports (so it aligns with the previously placed spacer boards) and attach using three 2" screws per joint. **NOTE:** Do not allow screws to split the surface of the 1" x 4" x 20-1/4" spacer. If this occurs, back out screw and reposition.

Fig 4



5. Place the 1" x 4" x 23-1/4" deck board between the 4" x 4" posts as shown in (Fig 5). Attach to the deck support using two 2" screws per joint.
6. Place a 1" x 6" x 30-1/4" deck board on the supports so it is tight against the 4" x 4" posts of the main unit and its ends are flush to the outer edge of each post. Attach using two 2" screws per joint.
7. Evenly space the remaining five 1" x 6" x 30-1/4" boards between the previously attached deck boards. Attach using two 2" screws per joint.

ASSEMBLY INSTRUCTIONS



TOP RAIL INSTALLATION

1. Attach a 1" x 4" x 41-3/4" bottom rail support to each side of the deck using four 2" screws per joint. **Note:** The bottom edge of the rail supports should be flush to the bottom edges of the existing deck boards and their ends should extend 3/4" beyond the edge of the 4" x 4" post.
2. Replace the dark shaded rail marked with an **X** that was removed earlier in the plan.
3. Evenly space four 1" x 6" x 36" rail uprights in each opening as shown in (Fig. 6). Attach the uprights to the supports using two 1-1/4" screws at the top and bottom of each board. **Note the special lengths of the two inner most rails (1" x 6" x 32" and 1" x 6" x 34").**
4. Attach a 1" x 6" x 30-1/4" board to the front of the tower using four 2" screws per joint. (See Fig. 6). **NOTE:** The top of the 1" x 6" x 30-1/4" should be flush with the top of the deck.

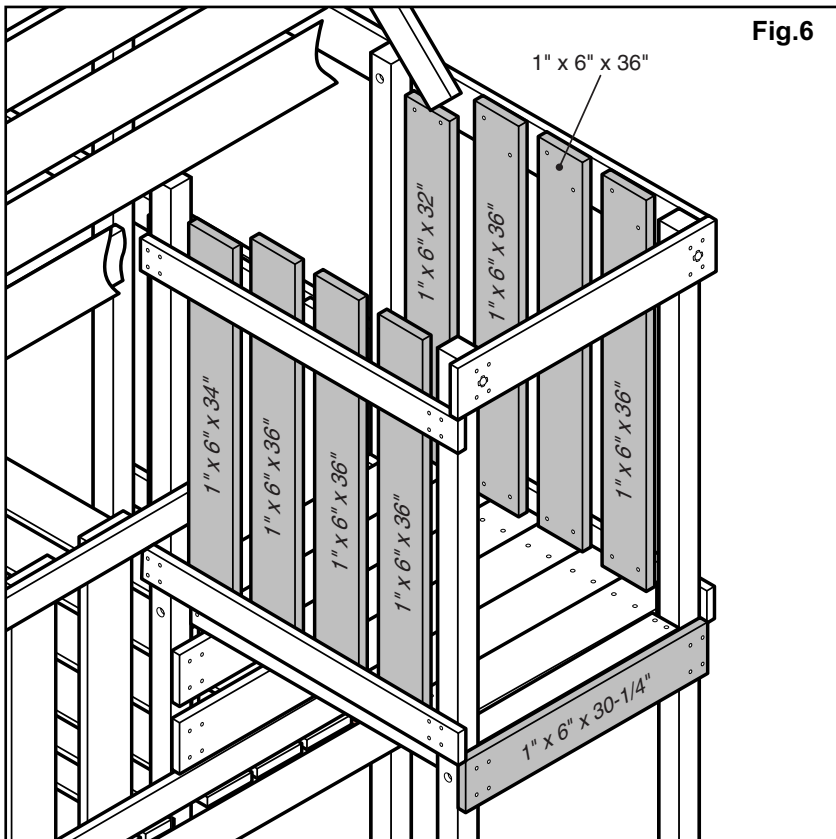
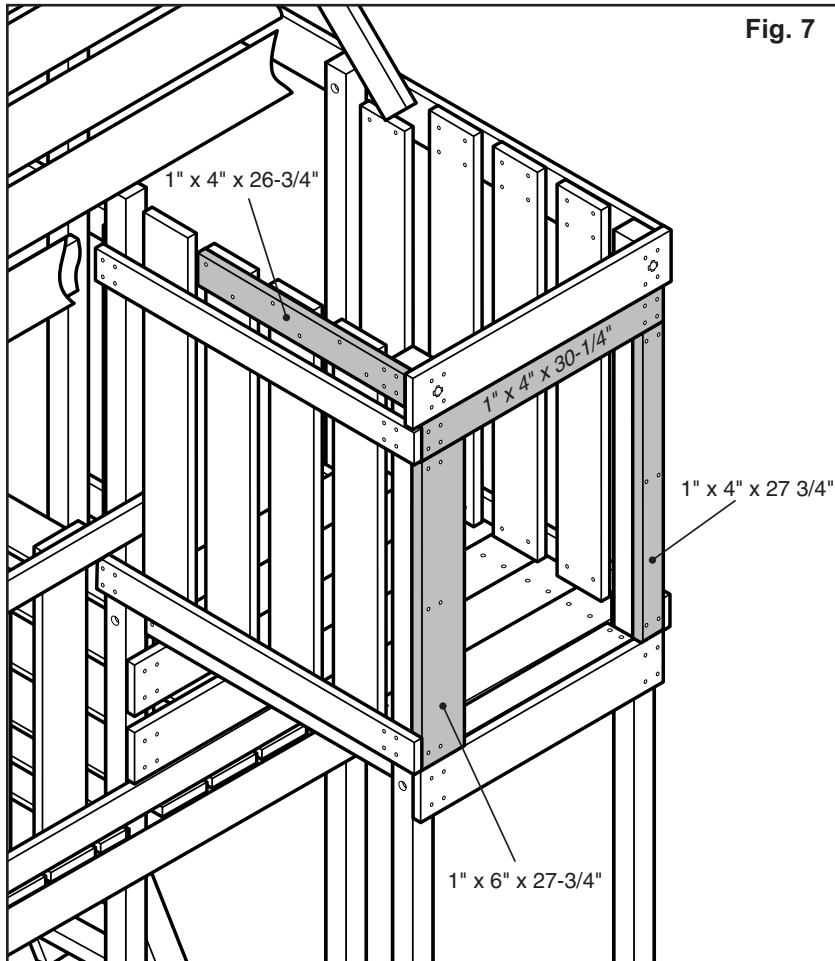


Fig. 7



FINAL TOWER ASSEMBLY

1. Attach a 1" x 4" x 30-1/4" directly beneath the existing 1" x 6" using four 2" screws per joint. Its ends should be flush to the outside edges of the 4" x 4" corner posts.
2. Attach a 1" x 4" x 27 3/4" and a 1" x 6" x 27 3/4" board to the 4" x 4" corner posts as shown using six evenly spaced 2" screws per board.
3. Align a 1" x 4" x 26 3/4" board to the tops of the rail boards and 4" x 4" corner post as shown in (Fig. 7). Attach using two 1-1/4" deck screws at each rail joint and four 2" deck screws at the corner post joint.

Questions???
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at 1-800-888-1232



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