# なum Trainer Safety Guide \& Building Instructions 

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- Follow the instructions provided, do not alter its design in any way.
- Construction requires at least two adults capable of heavy lifting.
- Thoroughly read all safety instructions before beginning.
- Children must remain clear of construction site until this product is properly installed and ready for use.
- Save these instructions in the event the manufacturer has to be contacted.


# The Consumer Product Safety Commission provides the following consumer information for your Home Playground Equipment 

## Select Protective Surfacing

One of the most important things you can do to reduce the likelihood of serious head injuries is to install shock-absorbing protective surfacing under and around your play equipment. The protective surfacing should be applied to a depth that is suitable for the equipment height in accordance with ASTM F1292. There are different types of surfacing to choose from; whichever product you select, follow these guidelines:

NOTE: Do not install home playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are generally not adequate protective surfacing. Ground level equipment -- such as a sandbox, activity wall, playhouse or other equipment that has no elevated play surface -does not need any protective surfacing.

## Loose-Fill Materials

PlayStar Playsets require fall-height protection from eight feet.

- Maintain a minimum depth of 9 inches of loose-fill materials such as wood mulch / chips, engineered wood fiber (EWF), or shredded/recycled rubber mulch for
equipment up to 8 feet high. NOTE: An initial fill level of 12 inches will compress to about a 9 -inch depth of surfacing over time. The surfacing will also compact, displace, and settle, and should be periodically refilled to maintain at least a 9-inch depth.
- Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging. Don't forget to account for water drainage.
- Check and maintain the depth of the loose-fill surfacing material. To maintain the right amount of loose-fill materials, mark the correct level on play equipment support posts. That way you can easily see when to replenish and/or redistribute the surfacing.
- Do not install loose fill surfacing over hard surfaces such as concrete or asphalt.


## Poured-In-Place Surfaces or Pre-Manufactured Rubber Tiles

You may be interested in using surfacing other than loose-fill materials -- like rubber tiles or poured-in-place surfaces.

- Installations of these surfaces generally require a professional and are not "do- it-yourself" projects.
- Review surface specifications before purchasing this type of surfacing. Ask the installer/manufacturer for a report showing that the product has been tested to the following safety standard: ASTM F1292 Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment. This report should show the specific height for which the surface is intended to protect against serious head injury.

This height should be equal to or greater than the fall height - vertical distance between a designated play surface (elevated surface for standing, sitting, or climbing) and the protective surfacing below - of your play equipment.

- Check the protective surfacing frequently for wear.


## Placement

Proper placement and maintenance of protective surfacing is essential.
Be sure to;

- Extend surfacing at least 6 feet from the equipment in all directions.
- For to-fro swings, extend protective surfacing in front of and behind the swing to a distance equal to twice the height of the top bar from which the swing is suspended.



INSTALLATION:

1. Follow the instructions provided, do not alter its design in any way.
2. Place the playset on level ground, not less than $6^{\prime}(1.8 \mathrm{~m})$ from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines or electrical wires. If the area where you will be installing your playset is not level, you must make it level.
3. Playsets must be anchored to the ground. Follow the anchoring instructions provided with your building kit. If soil conditions permit anchors to be pulled out easily, such as in sandy soil conditions, cementing is required.
4. Tighten all bolts securely to the intended member then cut off all protruding threaded ends of bolts with a hack saw flush to the end of the nut and remove sharp edges with a metal file.

WARNING: Children must not use the playset until properly installed and proper shock-absorbing surfacing material is in place.
OPERATION: Observing and following statements and warnings reduces the likelihood of serious or fatal injury.

1. On-site adult supervision is recommended for children of all ages.
2. Only one child, for each single planned seat or single planned activity should be allowed on this set at one time, with a maximum weight of $\mathbf{1 0 5}$ pounds for each child.
WARNING: You must teach children the following:
A. Not to walk close to, in front of, behind, or between moving items.
B. Not to twist swing chains or ropes or loop them over the top support bar since this may reduce the strength of the chain or rope.
C. Avoid swinging empty seats.
D. To Sit in the center of the swings with their full weight on the seats.
E. Not to use the equipment in a manner other than intended.
F. Not to get off equipment while it is in motion.
G. Not to climb when equipment is wet.
H. Not to attach items to the playground equipment that are not specifically designed for use with the equipment such as, but not limited to, jump ropes, clothesline, pet leashes, cables and chain as they may cause a strangulation hazard.
I. Remove bike or other sports helmet before playing on the play equipment as the helmet may become entrapped in an enclosed opening and cause a strangulation hazard.

SAFETY
3. Verify that suspended climbing ropes are secured at both ends and that they cannot be looped back on themselves. (A rope that is not taut enough may cause a strangulation hazard.)
4. Dress children appropriately. Provide well fitting shoes. Avoid ponchos, scarves, and other loose-fitting clothing which is potentially hazardous while using equipment.
5. Verify that all suspended swinging components have at least 8" clearance between the lowest point of component and top of shock-absorbing surfacing material.
WARNING: Lawn swings are designed for use by children two years of age and older. Use by children under the age of two can result in entrapment between the seat and backrest. NEVER place children in a rearward facing position or with legs between the seat and backrest because the child's body may pass through the opening causing entrapment of the child's head.
DISPOSAL:
When the playset is to be retired from service, disassemble and dispose of in such a way that no unreasonable hazards will exist. Follow your local disposal requirements.

ANNUAL MAINTENANCE CHECKLIST
(Copy this section as needed and maintain for your records or visit www.playstarinc.com/maintenance)

At the beginning of play season:
Date: $\qquad$Tighten all hardware.Lubricate all metallic moving parts per manufacturer's instructions.Check all protective coverings on bolts, pipes, edges, and corners. Replace if they are loose, cracked, or missing.Check all moving parts including swing seats, ropes, cables, and chains for wear, rust, or other deterioration. Replace as needed.Check metal parts for rust. If found, sand and repaint using a nonlead-based paint meeting the requirements of 16 CRF 1303.Check all wood members for deterioration and splinters. Sand down splinters and replace deteriorating wood members.Reinstall any plastic parts, such as swing seats or any other items that were removed for the cold season.Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

Twice a month during play season: Date: $\qquad$Tighten all hardware.Check all protective coverings on bolts, pipes, edges, and corners. Replace if they are loose, cracked, or missing.Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.
Once a month during play season: Date: $\qquad$Lubricate all metallic moving parts per manufacturer's instructions.
$\square$ Check all moving parts including swing seats, ropes, cables, and chains for wear, rust, or other deterioration. Replace as needed.
At the end of each play season or when the temperature drops below $0^{\circ} \mathrm{F}$ : Date: $\qquad$Remove plastic swing seats and other items as specified by the manufacturer and take indoors or do not use.
$\square$ Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

If any of these conditions exist, call 1-888-752-9782 for ordering information.
Clean plastic components with warm water and a mild detergent such as dish soap.

## COMPONENTS INGLUDED



Corner
Brackets (14)



Drill Template(1)


Swing Seat (1)


Swing Hangers
(4)

(4)


Climbing Rocks (4)



## TOOLS REQUIRED

Socket Wrench
7/16", $1 / 2$ \& 9/16" Socket 9/18" or Adjust. Wrench Ladder

| Tape Measure | Square |
| :--- | :--- |
| Safety Glasses | Phillips Screwdriver |
| Drill | Saw |
| Saw Horses (Optional) | Punch |

Hammer
1/8", $1 / 4^{\prime \prime}$ \& 3/8" Drill Bit $3 / 4$ " \& 11⁄8" Spade Bit Hack Saw

Metal File Pencil Tape Chalk

## HARDWARE INGLUDED (Shown actual size)

Depending on Design Options, some hardware may not be used.


(4) $2^{\prime \prime} \times 6^{\prime \prime} \times 8^{\prime}$
(21) 5/4" x 6" x 8'
(6) $2^{\prime \prime} \times 4^{\prime \prime} \times 10^{\prime}$
(586) \#8 x 2½" Deck Screws
(23) 2" x 4" x 8'
(66) \#8 x 1¼" Deck Screws

## GOLD CUTTING GUIDE AND BUILDING INSTRUCTIONS BEGIN ON PAGE 8



Lumber and Screw Requirements
(3) $2^{\prime \prime} \times 6^{\prime \prime} \times 8^{\prime}$
(19) $5 / 4^{\prime \prime} \times 6 "^{\prime \prime} \times 8^{\prime}$
(5) $2^{\prime \prime} \times 4^{\prime \prime} \times 10^{\prime}$
(537) \#8 x 2½" Deck Screws
(22) $2^{\prime \prime} \times 4^{\prime \prime} \times 8^{\prime}$
(66) \#8 x 1¼" Deck Screws

## SILVER CUTTING GUIDE AND BUILDING INSTRUCTIONS BEGIN ON PAGE 21


(3) $2^{\prime \prime} \times 6^{\prime \prime} \times 8^{\prime}$
(14) $5 / 4^{\prime \prime} \times 6 "^{\prime \prime} \times 8^{\prime}$
(4) $2^{\prime \prime} \times 4^{\prime \prime} \times 10^{\prime}$
(414) \#8 x 2½" Deck Screws
(17) 2" x $4^{\prime \prime} \times 8^{\prime}$
(66) \#8 x 1¼" Deck Screws

Lumber and Screw Requirements
(3) 2" x 6" $\times 8^{\prime \prime}$
(12) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 8^{\prime}$
(4) 2" $\times 4^{\prime \prime} \times 10^{\prime}$
(392) \#8 x 2½" Deck Screws
(17) $2^{\prime \prime} \times 4^{\prime \prime} \times 8^{\prime}$
(66) \#8 x 11⁄4" Deck Screws

## STARTER CUTTING GUIDE AND BUILDING INSTRUCTIONS BEGIN ON PAGE 44

## BRONZE CUTTING GUIDE AND BUILDING INSTRUCTIONS BEGIN ON PAGE 33



How To Use Your Marking Template for Drill Holes:

Your building kit includes this template to help you create most of the hole patterns needed to build your playset. Once the template is in position, mark only the holes that need to be drilled for each pattern. Remove the template before drilling.

Warning: Do not drill holes through the template as you may damage the template.

> Use an $1 / 8^{\prime \prime}$ drill bit for all holes unless noted (see patterns G \& J)

Note: When the PlayStar logo is showing, the three tabs on the bottom will position the template square with any two edges. When the arrow is showing, the two tabs on the bottom will position the template square with one edge only, which will allow you to slide the template anywhere along the board.

The rigid version of the template like the one shown here can be found inside one of the hardware boxes.


PLEASE NOTE


## ATTACHING CORNER BRACKETS

There are several steps in the assembly of your playset when you will be asked to attach "corner brackets". Please review these diagrams to understand where to place the brackets, how to attach them, and what hardware to use.

## POSITIONING THE BRACKETS:

The "corner bracket" has one long side and one short side. The holes on the long side of the bracket are placed so that when you position the bracket correctly, as directed throughout these instructions, the bolt will be almost centered in the middle of the vertical $2^{\prime \prime} \times 4^{\prime \prime}$ when installed. (See diagram)


Caution: If the bracket was flipped and the short side was against the double board when you drilled, the holes will be too close to the edge of the vertical 2" x 4".

## ATTACHING AND SECURING THE BRACKETS:

1. Hold bracket in position and use the bracket as a drill guide. Use a $1 / 8{ }^{\prime \prime}$ drill bit and drill through the small holes 1 " deep into the boards.
2. Attach the bracket with $\# 8 \times 1 \frac{114}{4}$ deck screws.
3. Again use the bracket as a drill guide. Use a $3 / 8^{\prime \prime}$ drill bit and drill through the large holes completely through the boards.
4. Secure the bracket with $3 / 8$ " hex bolts, $3 / 8^{" 1}$ washers, and $3 / 8^{"}$ lock nuts as shown.


Note: You will use different length bolts to secure the corner brackets.

- If you drilled through one board you will need to use $a^{3 / 8 " x} 2^{2 "}$ hex bolt.
- If you drilled through two boards you will need to use a $3 / 8^{\prime \prime} \times 31 / 2^{\prime \prime}$ hex bolt


Securing through two boards use $3 / 8^{\prime \prime} \times 3{ }^{1 / 2} 2^{\prime \prime}$ hex bolt.

# Before starting to build your Playset, make sure all boards are cut and identified by size. Stack identical size boards in neat piles. 

(If you do not want to mark on lumber, use masking tape or chalk.)
This will improve your building time greatly because you will already know the size of each board as the instructions call for them.

5/4" x 6" x 8' - twenty-one (21) boards required
(12) boards $\square$
(4) boards

| $52 "$ | $22^{\prime \prime}$ | $22^{\prime \prime}$ |
| :---: | :---: | :---: |

(1) board

| $32 "$ | $32 "$ | $32 "$ |
| :---: | :---: | :---: |

(1) board

| $32 " 1$ | $32 "$ | $22^{\prime \prime}$ | $10 "$ |
| :--- | :--- | :--- | :--- |

(2) boards

| $21 \frac{1}{2 \prime \prime}$ | $21 \frac{1}{2 \prime \prime}$ | $21 \frac{1}{2 \prime \prime}$ | $21 \frac{1}{2 \prime \prime}$ | $10^{\prime \prime}$ |
| :---: | :---: | :---: | :---: | :---: |

(1) board

| $211 / 2^{\prime \prime}$ | $211 / 2^{\prime \prime}$ | $211 / 2^{\prime \prime}$ | $10^{\prime \prime}$ | $10^{\prime \prime}$ | $8 "$ |
| :--- | :--- | :--- | :--- | :--- | :--- |

2" $\times 6^{\prime \prime} \times 8^{\prime}$ - four (4) boards required
(2) boards $\square$
(1) board $\square$
Climbing Steps
(1) board $\square$
$\square$ $231 / 2$ "

$$
21^{\prime \prime}
$$

(6) boards 112"

## 2" x 4" x 8' - twenty-three (23) boards required

$(6)$ boards $\square 96 "$

(1) board | 81" |  |
| :---: | :---: |

(2) boards | 62" | $34 "$ |
| :---: | :---: | :---: |

(1) board | $60 "$ | $331 / 2^{\prime \prime}$ |  |
| :---: | :---: | :---: |

(3) boards

| $47^{\prime \prime}$ | $47^{\prime \prime}$ |
| :---: | :---: |

(1) board | $47^{\prime \prime}$ | $41^{\prime \prime}$ |  |
| :---: | :---: | :---: |

(5) boards | $451 / 2^{\prime \prime}$ | $451 / 2^{\prime \prime}$ |  |
| :---: | :---: | :---: |

(1) board | $371 / 2^{\prime \prime}$ | $371 / 2^{\prime \prime}$ | $201 / 2^{\prime \prime}$ |
| :---: | :---: | :---: |

(1) board | $32^{\prime \prime}$ | $301 / 2^{\prime \prime}$ | $301 / 2^{\prime \prime}$ |  |
| :---: | :---: | :---: | :---: |

(1) board | $281 / 2^{\prime \prime}$ | $201 / 2^{\prime \prime}$ | $201 / 2^{\prime \prime}$ | $201 / 2^{\prime \prime}$ |  |
| :--- | :--- | :--- | :--- | :--- |

(1) board 193/4" 193/4" \begin{tabular}{l|l|}
$101 / 22^{\prime \prime}$ \& $101 / 2^{\prime \prime}$

 

$101 / 2 "$ \& $101 / 2^{\prime \prime}$ <br>
\hline
\end{tabular}

## ROOF ASSEMBLY - GOLD

## Items for STEP 1:

(2) $2^{\prime \prime} \times 4 " \times 34$ " boards
(2) 2" x 4" x 30½" boards
(2) Roof Caps
(12) \#14 x 1¼" pan head screws

On a flat surface position boards together as shown. Position roof cap flush with outside edges. Use roof cap as a drill guide and drill $1 / 8{ }^{\prime \prime}$ holes $1^{\prime \prime}$ deep. Keep boards square while attaching roof cap to boards with \#14 x 1¼" pan head screws.


## Repeat for second assembly.

## Items for STEP 2:

(2) Step 1 Assemblies
(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 52^{\prime \prime}$ boards
(16) $\# 8 \times 2 ½ "$ deck screws

Hold assemblies 50" apart. Position boards flush at the top and bottom as shown.

Keep boards square and secure with \#8 x 2½" deck screws.
Repeat for other side.


## Items for STEP 3:

(8) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 52^{\prime \prime}$ boards
(32) \#8 x $2^{11 ⁄ 2 " ~ d e c k ~ s c r e w s ~}$

Start at the top and attach boards between top and bottom boards as shown. Secure with \#8 x $2^{1 ⁄ 212}$ deck screws.

Note: If the last board doesn't fit because the boards are oversized, remove the bottom board and reattach.

Repeat for other side.


## Items for STEP 4:

(1) $2^{\prime \prime} \times 4$ " x 33½" board
(1) 2" x 4" x 32" board
(24) \#8 x $2^{1 ⁄ 12 "}$ deck screws

From the underside of roof assembly, place $2^{\prime \prime} \times 4^{\prime \prime} \times 331 / 2^{\prime \prime}$ board flat against roof assembly centered as shown. Secure with two \#8 x $2^{1 ⁄ 21} 2^{1 "}$ deck screws per each roof board.

Place 2" x 4" x 32" board flat against roof assembly and the 2" x 4" x 33½" board. Secure with \#8 x $21 / 2^{\prime \prime}$ deck screws.

## See Page 6 For

 Hole Patterns

## TOWER ASSEMBLY - GOLD

## Items for STEP 5:

(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 112^{\prime \prime}$ boards
(1) $2^{\prime \prime} \times 6^{\prime \prime} \times 47^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4 " \times 47$ " boards
(12) $\# 8 \times 2 ½ "$ deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with \#8 x $2^{1 ⁄ 21} 2^{\prime \prime}$ deck screws.


See Page 6 For
Hole Patterns

Items for STEP 6:
(2) $2^{\prime \prime} \times 4 " \times 112 "$ boards
(1) $2^{\prime \prime} \times 6^{\prime \prime} \times 47^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 47$ " boards
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 37^{1 / 2 "}$ boards
(28) \#8 $\times 2^{11 / 2 "}$ deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with $\# 8 \times 21 / 2^{\prime \prime}$ deck screws.

## Items for STEP 7:

(8) $2^{\prime \prime} \times 4^{\prime \prime} \times 45^{1 / 2 "}$ boards (48) $\# 8 \times 2^{11 / 2 "}$ deck screws

Position boards between assemblies as shown. Keep square while securing with \#8 x $21 / 22^{1 "}$ deck screws.

Note: If you are using 2" x $\mathbf{6 "}^{\prime \prime}$ lumber for your deck boards in place of 5/4" x 6" lumber, the 583/4" dimension must be $581^{1} 2^{\prime \prime}$. The reason is $2^{\prime \prime} x 6^{\prime \prime}$ lumber is $1 / 4^{\prime \prime}$ thicker than the 5/4"x $6^{\prime \prime}$ lumber called for in this plan.

Items for STEP 8:
(1) Roof Assembly
(2) $3^{3 /} \times 5^{\prime \prime}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(2) $3 / 8 "$ lock nuts
(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 112^{\prime \prime}$ board
(17) \#8 $\times 2^{11 / 2} 2^{1}$ deck screws

Position roof assembly so both sides of roof overhang 2" x 4" boards equally. Secure top corners with two $\# 8 \times 21 / 2^{\prime \prime}$ deck screws, $3 / 8^{" 1} \times 5^{\prime \prime}$ hex bolt, $3 / 8^{" 1}$ washers and $3 / 8^{"}$ lock nuts. (See below for detail of screw placement.)

Attach 2" x 4" x 112" board at dimension shown. Secure with \#8 x $2^{1 ⁄ 12 " ~}{ }^{1}$ deck screws.

## Counterbore \& Screw Placement Detail



## Items for STEP 9:

(2) $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolts
(4) $3 / 8^{" 1}$ washers
(2) $3 / 8$ " lock nuts
(1) $2^{\prime \prime} \times 4 " \times 112 "$ board
(17) $\# 8 \times 2^{1 ⁄ 2} /{ }^{\prime \prime}$ deck screws

Rotate tower $180^{\circ}$ as shown. Verify the unattached side of the roof overhangs the $2^{1 "} \times 4$ " boards equally. Secure the other two corners with $\# 8 \times 21 / 2^{1 "}$ deck screws, $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolt, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts. (See below for detail of screw placement.)

Secure these corners first

See Page 6 For Hole Patterns

Attach 2" x 4" x 112" board at dimension shown. Secure with \#8 x $2^{1 ⁄ 212}$ deck screws.


## Items for STEP 10:

(8) Corner Brackets
(8) $3 / 8^{\prime \prime} \times 3^{1} / 2^{\prime \prime}$ hex bolts
(8) $3 / 8^{\prime \prime} \times 2^{\prime \prime}$ hex bolts
(16) $3 / 8 "$ washers
(16) $3 / 8^{\prime \prime}$ lock nuts
(32) $\# 8 \times 1 \frac{114 " ~ d e c k ~ s c r e w s ~}{4}$

Lift tower assembly upright and position in desired location.

## Caution: Make sure tower remains square. Ground must be level. Installation on a hill or incline will create unsafe conditions.

Position brackets so that the long sides are against the 2 " $\times 4$ " x 451/2" boards.

Use the bracket as a drill guide and drill $1 / 8^{\prime \prime}$ holes $1^{\prime \prime}$ deep into the boards. Attach with \#8 x $1 \frac{11 / 4 " ~ d e c k ~ s c r e w s . ~}{\text { s }}$

Use bracket as a drill guide and drill $3 / 8^{"}$ holes completely through the boards. Secure with $3 / 8^{\prime \prime}$ hex bolts ( 2 " through one board and $31 / 2^{\prime \prime}$ through two boards), $3 / 8^{" 1}$ washers and $3 / 8^{"}$ lock nuts.


## Items for STEP 11:

(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 45 \frac{1}{2 \prime}$ " boards
(8) $\# 8 \times 2^{11 / 2 " ~ d e c k ~ s c r e w s ~}$

Position boards at the dimensions shown.

Secure with \#8 x $2^{11 / 2 "}$ deck screws.

## See Page 6 For Hole Patterns



## Items for STEP 12:

(8) $5 / 4^{\prime \prime} \times 6^{1 "} \times 44^{\prime \prime}$ boards
(64) $\# 8 \times 2^{1 ⁄ 2} /{ }^{\prime \prime}$ deck screws

Position outside boards tight against the 2 " x 6 " $\times 47$ " boards and equally space remaining boards as shown. Secure with \#8 $\times 2^{11 / 2} 2^{\prime \prime}$ deck screws.
$5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 44^{\prime \prime}(8)$
Caution: Gap between boards must be smaller than $14^{4}$ or larger than $1 / 2^{\prime \prime}$ or a finger entrapment could exist.

## Items for STEP 13:

(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 201 / 21^{\prime \prime}$ boards
(4) $2^{\prime \prime} \times 4$ " $\times 101 / 2$ " boards
(32) $\# 8 \times 21 / 2 "$ deck screws

Position boards at dimensions shown. Secure with \#8 x 2½" deck screws.

See Page 6 For
Hole Patterns


## Items for STEP 14:

(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 41^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 193 / 4$ " boards
(12) $\# 8 \times 21 / 2 "$ deck screws

Position boards at dimensions shown. Secure with \#8 x $21 / 2^{1 "}$ deck screws.


## Items for STEP 15:

(4) $5 / 4^{\prime \prime} \times 66^{\prime \prime} \times 44^{\prime \prime}$ boards
(32) $\# 8 \times 21 / 2{ }^{1}$ deck screws

Position end boards flush with 2" x 4" boards. Space remaining boards as shown. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.

Caution: Gap between boards must be smaller than $1 / 4$ " or larger than $1 / 2$ " or a finger entrapment could exist.

## See Page 6 For

## Hole Patterns



## Items for STEP 16:

(1) 2" $\times 4$ " $\times 81$ " board
(3) 2 " $\times 4$ " $\times 47$ " boards
(2) $2 " \times 4$ " x 201/2" boards
(28) $\# 8 \times 2 ½ "$ deck screws

Position boards at dimensions shown. Secure with \#8 x $2^{11 / 2 "}$ deck screws.

## Items for STEP 17:

(9) $5 / 4 " \times 6$ " $\times 22$ " boards
(36) $\# 8 \times 2^{1 / 2} 2^{\prime \prime}$ deck screws

Position seven 5/4" x 6" x 22" boards on the inside and two boards on the outside of the tower flush with the top and bottom guardrail boards and equally spaced. Secure with \#8 x $2^{11 ⁄ 2 "}$ deck screws.

Caution: Gap between boards must not exceed $31 / 22^{\prime \prime}$ or a head entrapment could exist.

## See Page 6 For

## Hole Patterns

## Items for STEP 18:

(4) $5 / 4^{\prime \prime} \times 6$ " $\times 52$ " boards
(5) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 32^{\prime \prime}$ boards
(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 10^{\prime \prime}$ boards
(1) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 8$ " board
(58) $\# 8 \times 21 / 2 "$ deck screws

Position 5/4" x $6^{\prime \prime}$ boards on the inside of the tower flush with the top and bottom guardrail boards and equally spaced. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.
Caution: Gap between boards must be smaller than $1 / 4$ " or larger than $1 / 2$ " or a finger entrapment could exist.


## Items for STEP 19:

(1) $2^{\prime \prime} \times 4$ " $\times 281 / 2$ " board
(6) $\# 8 \times 2^{11 / 2 " ~ d e c k ~ s c r e w s ~}$

Position 2" $\times 4$ " $\times 28^{1 / 2 "}$ " board at dimensions shown. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.

If you purchased the optional Adventure Tunnel Kit (PS 8876) or Climbing Bar Kit (PS 7766), it must be installed now.
Follow the instructions included with the components and then continue with these kit instructions. If you did not purchase the components listed above, proceed with these instructions.

## See Page 6 For

 Hole Patterns

## Items for STEP 20:

(2) Corner Brackets
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 62$ " boards
(4) $3 / 8^{\prime \prime} \times 2^{\prime \prime}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(4) $3 / 8 "$ lock nuts
(8) $\# 8 \times 11 / 4^{\prime \prime}$ deck screws
(4) $\# 8 \times 2^{11 / 2 " ~ d e c k ~ s c r e w s ~}$

Position brackets $481 / 2^{\prime \prime}$ up from bottom of tower with the long side of the brackets against the $2^{\prime \prime} \times 4$ " $\times 112^{\prime \prime}$ boards and the short side flush with the inside edges as shown. Fig. 1

Use brackets as a drill guide and drill $1 / 8$ " holes 1 " deep into the boards. Attach with \#8 x $11 / 4^{\prime \prime}$ deck screws.

Again use brackets as a drill guide and drill $3 / 8^{\prime \prime}$ holes completely through the boards. Secure with $3 / 8^{\prime \prime} \times 2$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.

Attach two 2" x 4" x 62" boards to corner brackets as shown. Bottom corner of board must rest on the ground and the top corner of board must be flush with the front of the $2^{\prime \prime} \times 4^{\prime \prime} \times 451 / 2^{\prime \prime}$ board.

Use brackets as a drill guide and drill $1 / 8$ " holes 1 " deep into the boards. Attach with \#8 x $11 / 4$ " deck screws.

Again use brackets as a drill guide and drill $3 / 8^{\prime \prime}$ holes completely through the boards. Secure with $3 / 8^{\prime \prime} \times 2^{\prime \prime}$ hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{"}$ lock nuts.

Secure 2" x 4" x 62" boards to 2" x 4" x 112" boards with \#8 x $2^{1 ⁄ 21} 2^{\prime \prime}$ deck screws as shown. Fig. 2


Items for STEP 21:
(11) $5 / 4^{\prime \prime} \times 6$ " $\times 211 / 2^{\prime \prime}$ boards
(44) $\# 8 \times 2 ½ "$ deck screws

Position first $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 211 / 2^{\prime \prime}$ board tight at the top as shown. Secure with \#8 x 2½" deck screws.

Position next $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 211 / 2^{\prime \prime}$ board tight against first board. Secure with \#8 x 2½" deck screws.

## Repeat for remaining boards.

## Hole placement for Climbing Rope:

Drill a $3 / 4$ " hole in center of boards shown. Install rope per instructions on


## GUTTING GUIDE - SILVER

Before starting to build your Playset, make sure all boards are cut and identified by size. Stack identical size boards in neat piles.
(If you do not want to mark on lumber, use masking tape or chalk.)
This will improve your building time greatly because you will already know the size of each board as the instructions call for them.

5/4" x 6" $\times 8^{\prime}$ - nineteen (19) boards required
(12) boards $\square$
(3) boards

| $52 "$ | $22 "$ | $22 "$ |
| :--- | :--- | :--- |

(1) board

| $52 "$ | $211 / 2^{\prime \prime}$ | $10^{\prime \prime}$ | $10^{\prime \prime}$ |
| :--- | :--- | :--- | :--- | :--- |

(1) board

| $32 "$ | $32 "$ | $32 "$ |
| :--- | :--- | :--- |

(2) boards

| $21 \frac{1}{2 \prime \prime}$ | $21 \frac{1}{2 \prime \prime}$ | $21 \frac{1}{2 "}$ | $21 \frac{1}{2 "}$ | $8^{\prime \prime}$ |
| :---: | :---: | :---: | :---: | :--- |

2" x 6" x 8' - three (3) boards required
(2) boards $\square$
(1) board

| $47^{\prime \prime}$ | $47^{\prime \prime}$ |
| :---: | :---: |

$2^{\prime \prime} \times 4 " \times 10$ - five (5) boards required
(2) boards $\square$ 100" 193/4"
(3) boards $\square$ $101 / 2^{\prime \prime}$
(6) boards $\qquad$ 96"

(1) board | $81^{\prime \prime}$ | $101 / 2^{\prime \prime}$ |
| :---: | :---: | :---: |
|  |  |

(1) board $\square$
(1) board $\square$ $331 / 2^{1 "}$
(2) boards $\square$
(3) boards

| $47^{\prime \prime}$ | $47^{\prime \prime}$ |
| :---: | :---: |

(4) boards

| $451 / 2^{\prime \prime}$ | $451 / 2^{\prime \prime}$ |  |
| :---: | :---: | :---: |

(1) board | $41^{\prime \prime}$ | $32^{\prime \prime}$ | $201 / 2^{\prime \prime}$ |
| :--- | :--- | :--- |

(1) board | $371 / 2^{\prime \prime}$ | $371 / 2^{\prime \prime}$ | $20^{1 / 2 "}$ |
| :---: | :---: | :---: |

(1) board

| $34^{\prime \prime}$ | $34^{\prime \prime}$ | $20 \frac{1}{2} 2^{\prime \prime}$ |  |
| :--- | :--- | :--- | :--- |

(1) board

| $301 / 2^{\prime \prime}$ | $301 / 2^{\prime \prime}$ | $201 / 2^{\prime \prime}$ |  |
| :--- | :--- | :--- | :--- |

## ROOF ASSEMBLY - SILVER

## Items for STEP 1:

(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 34$ " boards
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 301 / 2{ }^{\prime \prime}$ boards
(2) Roof Caps
(12) \#14 x $11 / 4$ " pan head screws

On a flat surface position boards together as shown. Position roof cap flush with outside edges. Use roof cap as a drill guide and drill $1 / 8$ " holes 1 " deep. Keep boards square while attaching roof cap to boards with \#14 x 114" pan head screws.


## Repeat for second assembly.

Items for STEP 2:
(2) Step 1 Assemblies
(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 52^{\prime \prime}$ boards
(16) \#8 $\times 2^{1 ⁄ 2} 2$ deck screws

Hold assemblies 50" apart. Position boards flush at the top and bottom as shown.
Keep boards square and secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.

## Repeat for other side.


overhang each side

See Page 6 For Hole Patterns

## Items for STEP 3:

(8) $5 / 4^{\prime \prime} \times 6^{1 "} \times 52^{\prime \prime}$ boards
(32) $\# 8 \times 2^{1 / 2} 2^{10}$ deck screws

Start at the top and attach boards between top and bottom boards as shown. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.

Note: If the last board doesn't fit because the boards are oversized, remove the bottom board and reattach.


Repeat for other side.
See Page 6 For Hole Patterns

## Items for STEP 4:

(1) $2^{\prime \prime} \times 4$ " $\times 33^{1} / 2$ " board
(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 32$ " board
(24) \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

From the underside of roof assembly, place $2^{\prime \prime} \times 4^{\prime \prime} \times 33^{1 / 2 "}$ board flat against roof assembly centered as shown. Secure with two \#8 x $2^{1 / 2} 2^{\prime \prime}$ deck screws per each roof board.

Place 2" x 4" x 32" board flat against roof assembly and the 2 " x 4 " x $331 / 2^{\prime \prime}$ board. Secure with $\# 8 \times 2^{11 / 2}$ deck screws.


## TOWER ASSEMBLY - SILVER

Items for STEP 5:
(2) $2^{\prime \prime} \times 4 " \times 100 "$ boards
(1) $2^{\prime \prime} \times 6$ " $\times 47$ " board
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 47$ " boards
(12) $\# 8 \times 2^{1 ⁄ 21} 2^{\prime \prime}$ deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with $\# 8 \times 21 / 2^{\prime \prime}$ deck screws.


See Page 6 For Hole Patterns

## Items for STEP 6:

(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 100$ " boards
(1) $2^{\prime \prime} \times 6^{\prime \prime} \times 47$ " board
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 47$ " boards
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 37^{1 / 2 "}$ boards
(28) \#8 $\times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with \#8 x $2^{112} 2^{\prime \prime}$ deck screws.


## Items for STEP 7:

(8) $2^{\prime \prime} \times 4^{\prime \prime} \times 45^{1 / 2 "}$ boards
(48) \#8 $\times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Position boards between assemblies as shown. Keep square while securing with \#8 x $2 ½$ " deck screws.

Note: If you are using 2" x $\mathbf{6 "}^{\prime \prime}$ lumber for your deck boards in place of 5/4" x 6 " lumber, the $463 / 4{ }^{\prime \prime}$ dimension must be $461 / 2^{\prime \prime}$. The reason is $2^{\prime \prime} x 6^{\prime \prime}$ lumber is $1 / 4^{\prime \prime}$ thicker than the 5/4" x $6^{\prime \prime}$ lumber called for in this plan.

## See Page 6 For

## Hole Patterns

Counterbore \& Screw Placement Detail


Predrill -
1/8" Dia. for \#8 x $21 / 2$ " deck screws $3 / 8^{"}$ Dia. for $3 / 8^{" 1} \times 5$ " hex bolts

Items for STEP 8:
(1) Roof Assembly
(2) $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(2) $3 / 8 "$ lock nuts
(1) $2 " \times 4 " \times 100$ " board
(17) $\# 8 \times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Attach 2" x 4" x 100" board at dimension shown. Secure with \#8 x $2 ½$ " deck screws. s.

Position roof assembly so both sides of roof overhang 2" x 4" boards equally. Secure top corners with two \#8 x $2^{1 / 2 "}$ deck screws, $3 / 8^{\prime \prime} \times 5$ " hex bolt, $3 / 8^{\prime \prime}$ washers and $3 / 8$ " lock nuts. (See below for detail of screw placement.)

2" x 4" x 45½" (8) Pattern D


Items for STEP 9:
(2) $3 / 8^{\prime \prime} \times 5$ " hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(2) $3 / 8 "$ lock nuts
(4) $\# 8 \times 2^{11 / 2 " ~}$ deck screws

Rotate tower $180^{\circ}$ as shown. Verify the unattached side of the roof overhangs the $2^{\prime \prime} \times 4$ " boards equally. Secure the other two corners with $\# 8 \times 21 / 2 "$ deck screws, $3 / 8^{\prime \prime} \times 5$ " hex bolt, $3 / 8^{\prime \prime}$ washers and $3 / 8^{"}$ lock nuts. (See below for detail of screw placement.)


Items for STEP 10:
(8) Corner Brackets
(8) $3 / 8^{\prime \prime} \times 31 / 2^{\prime \prime}$ hex bolts
(8) $3 / 8^{\prime \prime} \times 2$ " hex bolts
(16) $3 / 8 "$ washers
(16) $3 / 8$ " lock nuts
(32) $\# 8 \times 1 \frac{114 " ~ d e c k ~ s c r e w s ~}{4}$

Lift tower assembly upright and position in desired location.

## Caution: Make sure tower remains square. Ground must be level. Installation on a hill or incline will create unsafe conditions.

Position brackets so that the long sides are against the 2" x 4 " x 45½" boards.

Use the bracket as a drill guide and drill $1 / 8^{\prime \prime}$ holes $1^{\prime \prime}$ deep into the boards. Attach with $\# 8 \times 11 / 4^{\prime \prime}$ deck screws.

Use bracket as a drill guide and drill $3 / 8$ " holes completely through the boards. Secure with $3 / 8^{\prime \prime}$ hex bolts (2" through one board and $31 / 2^{\prime \prime}$ through two boards), $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.


## Items for STEP 11:

(2) 2" x 4" x 45½" boards
(8) $\# 8 \times 21 / 2 "$ deck screws

Position boards at the dimensions shown.

Secure with \#8 x $2^{112 / 2}$ deck screws.

## See Page 6 For

 Hole Patterns

## Items for STEP 12:

(8) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 44^{\prime \prime}$ boards
(64) $\# 8 \times 21 / 22^{\prime \prime}$ deck screws

Position outside boards tight against the $2^{\prime \prime} \times 6$ " $\times 47$ " boards and equally space remaining boards as shown. Secure with \#8 $\times 2^{11 / 2} 2^{\prime \prime}$ deck screws.

## Caution: Gap between boards must be smaller than $14^{4}$ " or larger than $1 / 2$ " or a finger entrapment could exist.



## Items for STEP 13:

(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 80^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4$ " $\times 20 \frac{1}{2}$ " boards
(4) 2 " $\times 4$ " $\times 101 \frac{1}{2}$ " boards
(42) \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Position boards at dimensions shown. Secure with \#8 x $2^{11 / 2 "}$ deck screws.

See Page 6 For
Hole Patterns


## Items for STEP 14:

(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 41^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4$ " $\times 193 / 4$ " boards
(12) $\# 8 \times 2 ½$ deck screws

Position boards at dimensions shown.
Secure with \#8 x $1^{1 ⁄ 2}$ " deck screws.


## Items for STEP 15:

(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 44^{\prime \prime}$ boards
(32) $\# 8 \times 2^{11} 22^{\prime \prime}$ deck screws

Position end boards flush with 2" x 4" boards. Space remaining boards as shown. Secure with \#8 x $2^{1 / 21} 2^{\prime \prime}$ deck screws.

## Caution: Gap between boards must

 be smaller than $1 / 4^{\prime \prime}$ or larger than $1 / 2$ " or a finger entrapment could exist.
## See Page 6 For

Hole Patterns


Items for STEP 16:
(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 81^{\prime \prime}$ board
(2) $2 " \times 4 " \times 47$ " boards
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 20^{1 / 2 "}$ boards
(24) \#8 x $2^{1 ⁄ 2}$ " deck screws

Position boards at dimensions shown. Secure with \#8 x $2^{11 / 2 "}$ deck screws.


## Items for STEP 17:

(6) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 22^{\prime \prime}$ boards
(24) $\# 8 \times 2^{1 / 2} 2^{\prime \prime}$ deck screws

Position two 5/4" x 6" x 22" boards on the inside and four boards on the outside of the tower flush with the top and bottom guardrail boards and equally spaced. Secure with \#8 x $2^{1 / 2} 2^{1 "}$ deck screws.

## Caution: Gap between boards must not exceed $31 / 2^{\prime \prime}$ or a head entrapment could exist.

## See Page 6 For

## Hole Patterns



## Items for STEP 18:

(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 52^{\prime \prime}$ boards
(3) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 32^{\prime \prime}$ boards
(2) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 10^{\prime \prime}$ boards
(1) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 8$ " board
(42) $\# 8 \times 21 / 2 "$ deck screws

Position $5 / 4^{\prime \prime} \times 6^{\prime \prime}$ boards on the inside of the tower flush with the top and bottom guardrail boards and equally spaced. Secure with \#8 x $2^{1 / 2} 2^{\prime \prime}$ deck screws.
Caution: Gap between boards must be smaller than $1 / 4$ " or larger than $1 / 2^{\prime \prime}$ or a finger entrapment could exist.


If you purchased the optional Adventure Tunnel Kit (PS 8876) or Climbing Bar Kit (PS 7766), it must be installed now.
Follow the instructions included with the components and then continue with these kit instructions. If you did not purchase the components listed above, proceed with these instructions.

## Items for STEP 19:

(2) Corner Brackets
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 50 \frac{1}{2}$ " boards
(4) $3 / 8^{\prime \prime} \times 2$ " hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(4) $3 / 8$ " lock nuts
(8) \#8 x $11 / 4$ " deck screws
(4) \#8 x $2^{11 / 2 "}$ deck screws

Position brackets 39 " up from bottom of tower with the long side of the brackets against the $2^{\prime \prime} \times 4$ " $\times 100$ " boards and the short side flush with the inside edges as shown. Fig. 1
Use brackets as a drill guide and drill $1 / 8$ " holes 1 " deep into the boards. Attach with \#8 x $11 / 4^{\prime \prime}$ deck screws.

Again use brackets as a drill guide and drill $3 / 8$ " holes completely through the boards. Secure with $3 / 8^{\prime \prime} \times 2$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.

Attach two 2" x 4" x 501/2" boards to corner brackets as shown. Bottom corner of board must rest on the ground and the top corner of board must be flush with the front of the 2 " x 4 " x $451 / 2^{\prime \prime}$ board.

Use brackets as a drill guide and drill $1 / 8^{\prime \prime}$ holes 1 " deep into the boards. Attach with $\# 8 \times 1 \frac{1}{4} 4^{\prime \prime}$ deck screws.
Again use brackets as a drill guide and drill $3 / 8$ " holes completely through the boards. Secure with $3 / 8 \mathrm{x}$ x 2 " hex bolts, $3 / 8$ " washers and $3 / 8^{\prime \prime}$ lock nuts.

Secure 2" x 4" x 50½" boards to 2" x 4" x 100" boards with \#8 x 2½" deck screws as shown. Fig. 2


Items for STEP 20:
(9) $5 / 4^{\prime \prime} \times 6$ " $\times 21 \frac{1}{2}$ " boards
(36) $\# 8 \times 21 / 2{ }^{\prime \prime}$ deck screws

Position first $5 / 4^{\prime \prime} \times 6$ " x $211 / 2$ " board tight at the top as shown. Secure with \#8 x $2^{1 ⁄ 2 " 2 " ~ d e c k ~ s c r e w s . ~}$

Position next $5 / 4^{\prime \prime} \times 6$ " x $211 / 2 "$ board tight against first board. Secure with \#8 x $2^{1 ⁄ 2 "}$ " deck screws.

Repeat for remaining boards.
Hole placement for Climbing Rope:
Drill a $3 / 4$ " hole in center of boards shown. Install rope per instructions on Page 71.


Climbing
Rope Holes

# Before starting to build your Playset, make sure all boards are cut and identified by size. Stack identical size boards in neat piles. <br> (If you do not want to mark on lumber, use masking tape or chalk.) <br> This will improve your building time greatly because you will already know the size of each board as the instructions call for them. 

5/4" x 6" x 8 - fourteen (14) boards required
(5) boards

| $52^{\prime \prime}$ | $44^{\prime \prime}$ |
| :---: | :---: |

(1) board $\square$
(4) boards $\square$
52"
$211 / 2^{\prime \prime}$ $211 / 2{ }^{1 \prime}$
(1) board $\square$
$\square$
$311 / 2{ }^{\prime \prime}$ 8"
(1) board $\square$ $211 / 2^{11}$

| $10 "$ | $10 "$ |
| :--- | :--- | :--- |

(1) board $\square$
$32^{\prime \prime}$
32"
(1) board

| $311 / 2^{\prime \prime}$ | $31 \frac{1}{2 \prime \prime}$ | $31 \frac{1}{2 \prime \prime}$ |
| :---: | :---: | :---: |

2" $\times 6$ " $\times 8$ 8' - three (3) boards required
(2) boards $\square$ 96"
(1) board $\square$

2" $\times 4$ " $\times 10$ - four (4) boards required
(1) board
100"

| $00 "$ | $20^{\prime \prime}$ |
| :--- | :---: |

(1) board

| $100 "$ | $193 / 4^{\prime \prime}$ |
| :---: | :---: |

(2) boards $\square$ 100" $181 / 2{ }^{1}$

2" x 4" x 8' - seventeen (17) boards required
(6) boards $\square$
(1) board $\square$
(1) board

| $60 "$ | $281 / 2^{\prime \prime}$ |  |
| :---: | :---: | :--- |

(2) boards

| $501 / 2^{\prime \prime}$ | $371 / 2^{\prime \prime}$ |  |
| :---: | :---: | :--- |

(3) boards

| $47^{\prime \prime}$ | $47^{\prime \prime}$ |
| :---: | :---: |

(3) boards

| $28 \frac{1}{1 / 2 "}$ | $281 / 2^{\prime \prime}$ | $281 / 2^{\prime \prime}$ | $101 / 2^{\prime \prime}$ |
| :---: | :---: | :---: | :---: |

(1) board

| $28^{1 / 2 " 2}$ | $22^{\prime \prime}$ | $22^{\prime \prime}$ | $21^{1 / 2 "}$ |
| :--- | :--- | :--- | :--- |

## ROOF ASSEMBLY - BRONZE

## Items for STEP 1:

(2) 2 " $\times 4^{\prime \prime} \times 22$ " boards
(2) 2 " $\times 4^{\prime \prime} \times 181 / 2{ }^{\prime \prime}$ boards
(2) Roof Caps
(12) \#14 x $1 \frac{114 " ~ p a n ~ h e a d ~ s c r e w s ~}{\text { a }}$

On a flat surface position boards together as shown. Position roof cap flush with outside edges. Use roof cap as a drill guide and drill $1 / 8$ " holes 1 " deep. Keep boards square while attaching roof cap to boards with \#14 x 114" pan head screws.


Repeat for second assembly.

Items for STEP 2:
Hold assemblies 50" apart. Position boards flush at the top and bottom as shown.
(2) Step 1 Assemblies
(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 52^{\prime \prime}$ boards
(16) $\# 8 \times 21 / 22^{\prime \prime}$ deck screws

Keep boards square and secure with \#8 x $2^{1 / 2} 2^{\prime \prime}$ deck screws.
Repeat for other side.


## Items for STEP 3:

(4) $5 / 4^{\prime \prime} \times 6$ " $\times 52^{\prime \prime}$ boards
(16) $\# 8 \times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Start at the top and attach boards between top and bottom boards as shown. Secure with \#8 x $2^{1 / 2} 2^{\prime \prime}$ deck screws.

Note: If the last board doesn't fit because the boards are oversized, remove the bottom board and reattach.


## Repeat for other side.

See Page 6 For
Hole Patterns
Items for STEP 4:
(1) 2 " $\times 4$ " $\times 211 / 2$ " board
(1) $2 " \times 4 " \times 20 "$ board
(16) $\# 8 \times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

From the underside of roof assembly, place $2 " \times 4$ " x $21 \frac{1}{2}$ " board flat against roof assembly centered as shown. Secure with two \#8 x $2^{11 / 2 "}$ deck screws per each roof board.

Place 2" x 4" x 20" board flat against roof assembly and the 2 " x 4 " x $211 / 2$ " board. Secure with \#8 x $2^{112} 2^{\prime \prime}$ deck screws.

## TOWER ASSEMBLY - BRONZE

Items for STEP 5:
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 100$ " boards
(1) $2^{\prime \prime} \times 6$ " $\times 47$ " board
(2) 2" x 4" x 47" boards
(12) \#8 x $2^{1 ⁄ 21} 2^{"}$ deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with $\# 8 \times 2 ½$ " deck screws.


See Page 6 For
Hole Patterns

## Items for STEP 6:

(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 100^{\prime \prime}$ boards
(1) $2^{\prime \prime} \times 6^{\prime \prime} \times 47^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4$ " $\times 47$ " boards
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 371 / 22^{\prime \prime}$ boards
(28) \#8 x $2 ½$ " deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with \#8 x 2½" deck screws.


## Items for STEP 7:

(8) $2^{\prime \prime} \times 4$ " $\times 281 / 2$ " boards
(48) \#8 x $2^{11 ⁄ 2 "}$ deck screws

Position boards between assemblies as shown. Keep square while securing with \#8 x $2^{1 ⁄ 21} 2^{1}$ deck screws.

Note: If you are using 2" x 6" lumber for your deck boards in place of 5/4" x $6^{6 "}$ lumber, the 463/4" dimension must be $46 \frac{1}{2}$ ". The reason is $2^{\prime \prime} \times 6^{\prime \prime}$ lumber is $1 / 4$ " thicker than the 5/4" x $6^{\prime \prime}$ lumber called for in this plan.


See Page 6 For
Hole Patterns
Items for STEP 8:
(1) Roof Assembly
(2) $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolts
(4) $3 / 8^{" 1}$ washers
(2) $3 / 8 "$ lock nuts
(4) $\# 8 \times 2^{11 / 2 " ~ d e c k ~ s c r e w s ~}$

Position roof assembly so both sides of roof overhang 2" x 4 " boards equally. Secure top corners with two \#8 x $2^{1 / 2 "}$ " deck screws, $3 / 8^{\prime \prime} \times 5$ " hex bolt, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts. (See below for detail of screw placement.)

## Counterbore \& Screw

 Placement Detail

Predrill -
1/8" Dia. for \#8 x $2^{1 / 2 "}$ " deck screws $3 / 8^{\prime \prime}$ Dia. for $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolts


Items for STEP 9:
(2) $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(2) $3 / 8^{\prime \prime}$ lock nuts
(4) $\# 8 \times 2^{11 / 2 " ~}$ deck screws

Rotate tower $180^{\circ}$ as shown. Verify the unattached side of the roof overhangs the $2 " \times 4$ " boards equally. Secure the other two corners with \#8 x $21 / 2{ }^{\prime \prime}$ deck screws, $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolt, $3 / 8^{\prime \prime}$ washers and $3 / 8^{" ~ l o c k ~ n u t s . ~(S e e ~ b e l o w ~ f o r ~ d e t a i l ~ o f ~ s c r e w ~ p l a c e m e n t .) ~}$


Items for STEP 10:
(8) Corner Brackets
(8) $3 / 8^{\prime \prime} \times 31 / 2^{\prime \prime}$ hex bolts
(8) $3 / 8^{\prime \prime} \times 2$ " hex bolts
(16) $3 / 8 "$ washers
(16) $3 / 8$ " lock nuts
(32) $\# 8 \times 1 \frac{114 " ~ d e c k ~ s c r e w s ~}{4}$

Lift tower assembly upright and position in desired location.
Caution: Make sure tower remains square. Ground must be level. Installation on a hill or incline will create unsafe conditions.

Position brackets so that the long sides are against the $2^{\prime \prime} \times 4^{\prime \prime} \times 28^{1 ⁄ 2} 2^{\prime \prime}$ boards.

Use the bracket as a drill guide and drill $1 / 8^{\prime \prime}$ holes $1^{\prime \prime}$ deep into the boards. Attach with $\# 8 \times 11 / 4^{\prime \prime}$ deck screws.

Use bracket as a drill guide and drill $3 / 8^{"}$ holes completely through the boards. Secure with $3 / 8^{\prime \prime}$ hex bolts ( 2 " through one board and $31 / 2^{\prime \prime}$ through two boards), $3 / 8^{\prime \prime}$ washers and $3 / 8^{" ~ l o c k ~ n u t s . ~}$


## Items for STEP 11:

(2) $2^{\prime \prime} \times 4$ " $\times 281 / 2$ " boards
(8) \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Position boards at the dimensions shown.

Secure with \#8 x $2^{11 / 2 "}$ deck screws.

See Page 6 For

## Hole Patterns

## Items for STEP 12:

(5) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 44^{\prime \prime}$ boards
(40) $\# 8 \times 2^{1 / 2} 2^{\prime \prime}$ deck screws

Position outside boards tight against the $2^{\prime \prime} \times 6$ " $\times 47$ " boards and equally space remaining boards as shown. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.

Caution: Gap between boards must be smaller than $14^{4}$ " or larger than $1 / 2$ " or a finger entrapment could exist.

## Items for STEP 13:

(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 281 / 2$ " board
(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 193 / 4^{\prime \prime}$ board
(8) \#8 $\times 2 \frac{1}{2} 2^{\prime \prime}$ deck screws

Position boards at dimensions shown. Secure with \#8 x $21 / 2^{\prime \prime}$ deck screws.

## See Page 6 For

Hole Patterns


## Items for STEP 14:

(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 31^{112 "}$ " boards
(24) $\# 8 \times 2^{1 ⁄ 21}$ " deck screws

Position end boards flush with 2" x 4" boards. Space remaining boards as shown. Secure with $\# 8 \times 2^{1 ⁄ 21} 2^{11}$ deck screws.

## Caution: Gap between boards must be smaller than $1 / 4^{\text {" }}$ or larger than $1 / 2$ " or a finger entrapment could exist.



## Items for STEP 15:

(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 81^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4$ " $\times 47$ " boards
(4) $2^{\prime \prime} \times 4^{\prime \prime} \times 10^{1 / 2 "}$ boards
(32) $\# 8 \times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Position boards at dimensions shown. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.

See Page 6 For Hole Patterns


Items for STEP 16:


If you purchased the optional Adventure Tunnel Kit (PS 8876) or Climbing Bar Kit (PS 7766), it must be installed now.
Follow the instructions included with the components and then continue with these kit instructions. If you did not purchase the components listed above, proceed with these instructions.

## Items for STEP 17

(2) Corner Brackets
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 50 \frac{1}{2} 2^{\prime \prime}$ boards
(4) $3 / 8^{\prime \prime} \times 2^{1 "}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(4) $3 / 8$ " lock nuts
(8) $\# 8 \times 1 \frac{11 / 4 " ~ d e c k ~ s c r e w s ~}{s}$
(4) $\# 8 \times 2^{1 ⁄ 2 "}$ " deck screws

Position brackets 39 " up from bottom of tower with the long side of the brackets against the $2^{\prime \prime} \times 4$ " $\times 100$ " boards and the short side flush with the inside edges as shown. Fig. 1
Use brackets as a drill guide and drill $1 / 8$ " holes 1 " deep into the boards. Attach with \#8 x 1¼" deck screws.

Again use brackets as a drill guide and drill $3 / 8$ " holes completely through the boards. Secure with $3 / 8^{\prime \prime} \times 2$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.

Attach two 2" x $4^{\prime \prime} \times 501 / 2^{\prime \prime}$ boards to corner brackets as shown. Bottom corner of board must rest on the ground and the top corner of board must be flush with the front of the $2^{\prime \prime} \times 4$ " $\times 28^{1 / 2 "}$ board.

Use brackets as a drill guide and drill $1 / 8$ " holes 1 " deep into the boards. Attach with $\# 8 \times 1 \frac{1}{4} 4^{\prime \prime}$ deck screws.
Again use brackets as a drill guide and drill $3 / 8^{\prime \prime}$ holes completely through the boards. Secure with $3 / 8{ }^{\prime \prime} \times 2$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.



Items for STEP 18:
(9) $5 / 4^{\prime \prime} \times 6$ " $\times 21 \frac{1}{2} /{ }^{\prime \prime}$ boards
(36) \#8 x 21⁄2" $^{\prime \prime}$ deck screws

Position first $5 / 4^{\prime \prime} \times 6$ " x $211 / 2$ " board tight at the top as shown. Secure with \#8 x $2^{1 ⁄ 2 " 2 " ~ d e c k ~ s c r e w s . ~}$

Position next $5 / 4^{\prime \prime} \times 6$ " x $211 / 2$ " board tight against first board. Secure with \#8 x $2^{1 ⁄ 2 "}$ " deck screws.

Repeat for remaining boards.
Hole placement for Climbing Rope:
Drill a $3 / 4$ " hole in center of boards shown. Install rope per instructions on Page 71.

## CUTTING GUIDE - STARTER

Before starting to build your Playset, make sure all boards are cut and identified by size. Stack identical size boards in neat piles.
(If you do not want to mark on lumber, use masking tape or chalk.)
This will improve your building time greatly because you will already know the size of each board as the instructions call for them.

5/4" x 6" x 8' - twelve (12) boards required
(5) boards $\square$
(3) boards $\square$
(1) board $\square$
(1) board $\square$
(1) board

| $22^{\prime \prime}$ | $211 / 2^{\prime \prime}$ | $211 / 2^{\prime \prime}$ | $21 \frac{1}{2 "}$ |  |
| :---: | :---: | :---: | :---: | :--- |

(1) board

| $21 \frac{1}{2 \prime \prime}$ | $211 / 2^{\prime \prime}$ | $21 \frac{1}{2 "}$ | $211 / 2^{\prime \prime}$ |  |
| :---: | :---: | :---: | :---: | :--- |

2" x 6" x 8' - three (3) boards required
(2) boards $\square$
(1) board

| $47^{\prime \prime}$ | $47^{\prime \prime}$ |
| :---: | :---: |

2" $\times 4$ " $\times 10$ - four (4) boards required

| (1) board | 100" | $20^{\prime \prime}$ |
| :---: | :---: | :---: |
| (1) board | 100" | 193/4" |
| (2) boards | 100" | $181 / 2^{\prime \prime}$ |

2" x 4" x 8' - seventeen (17) boards required
(6) boards $\square 96^{\prime \prime}$
(1) board

| $81 "$ | $10 \frac{1}{2 "}$ |  |
| :---: | :---: | :---: |

(1) board

| $60^{\prime \prime}$ | $281^{1 / 2}$ |  |
| :---: | :---: | :--- |

(2) boards

| $501 / 2^{\prime \prime}$ | $371 / 2^{\prime \prime}$ |  |
| :---: | :---: | :---: |

(3) boards

| $47^{\prime \prime}$ | 47" |
| :---: | :---: |

(3) boards $\qquad$ |

Items for STEP 2:
Hold assemblies 50" apart. Position boards flush at the top and bottom as shown.
(2) Step 1 Assemblies
(4) $5 / 4^{\prime \prime} \times 6$ " $\times 52^{\prime \prime}$ boards
(16) $\# 8 \times 21 / 22^{\prime \prime}$ deck screws

Keep boards square and secure with \#8 x $2^{1 / 2} 2^{\prime \prime}$ deck screws.
Repeat for other side.


See Page 6 For Hole Patterns

## Items for STEP 3:

(4) $5 / 4^{\prime \prime} \times 6$ " $\times 52$ " boards
(16) $\# 8 \times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Start at the top and attach boards between top and bottom boards as shown. Secure with \#8 x $2^{1 / 2 "}$ deck screws.

Note: If the last board doesn't fit because the boards are oversized, remove the bottom board and reattach.


Repeat for other side.

## See Page 6 For

Hole Patterns
Items for STEP 4:
(1) $2^{\prime \prime} \times 4$ " $\times 21^{11 / 2 " ~ b o a r d ~}$
(1) $2 " \times 4 " \times 20 "$ board
(16) \#8 $\times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

From the underside of roof assembly, place 2 " $\times 4$ " $\times 21 \frac{1}{2}$ " board flat against roof assembly centered as shown. Secure with two \#8 x $2^{11 / 2 "}$ deck screws per each roof board.

Place 2" x 4" x 20" board flat against roof assembly and the 2 " x 4 " x $211 / 2$ " board. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.


## TOWER ASSEMBLY - STARTER

Items for STEP 5:
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 100$ " boards
(1) $2^{\prime \prime} \times 6^{\prime \prime} \times 47$ " board
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 47$ " boards
(12) $\# 8 \times 2^{1 ⁄ 21} 2^{\prime \prime}$ deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with $\# 8 \times 21 / 2^{\prime \prime}$ deck screws.


## See Page 6 For

Hole Patterns

## Items for STEP 6:

(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 100$ " boards
(1) $2^{\prime \prime} \times 6^{\prime \prime} \times 47$ " board
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 47$ " boards
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 37 \frac{1}{2}$ " boards
(28) \#8 $\times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

On a flat surface position boards at dimensions shown. Keep assembly square while securing with \#8 x $2^{112} 2^{\prime \prime}$ deck screws.

## Items for STEP 7:

(8) $2^{\prime \prime} \times 4$ " $\times 28 \frac{1}{2}$ " boards
(48) \#8 x $2 ½$ " deck screws

Position boards between assemblies as shown. Keep square while securing with \#8 x $2^{1 ⁄ 21} 2^{1}$ deck screws.

Note: If you are using 2" x 6" lumber for your deck boards in place of 5/4" x $6^{\text {" }}$ lumber, the 463/4" dimension must be $461 / 2^{\prime \prime}$. The reason is $2^{\prime \prime} \times 6^{\prime \prime}$ lumber is $1 / 4$ " thicker than the $5 / 4^{\prime \prime} \times 6^{\prime \prime}$ lumber called for in this plan.

## See Page 6 For

 Hole Patterns
## Items for STEP 8:

(1) Roof Assembly
(2) $3 / 8^{\prime \prime} \times 5^{\prime \prime}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(2) $3 / 8^{\prime \prime}$ lock nuts
(4) $\# 8 \times 2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Position roof assembly so both sides of roof overhang 2" $\times 4$ " boards equally. Secure top corners with two \#8 x $2^{1 / 2 "}$ " deck screws, $3 / 8^{\prime \prime} \times 5$ " hex bolt, $3 / 8^{"}$ washers and $3 / 8^{"}$ lock nuts. (See below for detail of screw placement.)

Counterbore \& Screw Placement Detail



Items for STEP 9:
(2) $3 / 8^{\prime \prime} \times 5^{"}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(2) $3 / 8^{\prime \prime}$ lock nuts
(4) $\# 8 \times 21 / 2 "$ deck screws

## Counterbore \& Screw

Placement Detail


Rotate tower $180^{\circ}$ as shown. Verify the unattached side of the roof overhangs the $2 " \times 4$ " boards equally. Secure the other two corners with $\# 8 \times 21 / 22^{\prime \prime}$ deck screws, $3 / 8^{\prime \prime} \times 5$ " hex bolt, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts. (See below for detail of screw placement.)

Predrill -
1/8" Dia. for \#8 x $21 / 2$ " deck screws
$3 / 8^{" 1}$ Dia. for $3 / 8^{" x} \times 5^{"}$ hex bolts


Items for STEP 10:
(8) Corner Brackets
(8) $3 / 8^{\prime \prime} \times 31 / 2^{\prime \prime}$ hex bolts
(8) $3 / 8^{\prime \prime} \times 2$ " hex bolts
(16) $3 / 8^{\prime \prime}$ washers
(16) $3 / 8$ " lock nuts
(32) $\# 8 \times 1 \frac{114 " ~ d e c k ~ s c r e w s ~}{}$

Lift tower assembly upright and position in desired location.

## Caution: Make sure tower remains square. Ground must be level. Installation on a hill or incline will create unsafe conditions.

Position brackets so that the long sides are against the 2" x 4" x 28½" boards.

Use the bracket as a drill guide and drill $1 / 8^{\prime \prime}$ holes $1^{\prime \prime}$ deep into the boards. Attach with $\# 8 \times 11 / 4^{\prime \prime}$ deck screws.

Use bracket as a drill guide and drill $3 / 8^{\prime \prime}$ holes completely through the boards. Secure with $3 / 8^{\prime \prime}$ hex bolts ( 2 " through one board and $31 / 2^{\prime \prime}$ through two boards), $3 / 8^{"}$ washers and $3 / 8$ " lock nuts.

## Items for STEP 11:

(2) $2^{\prime \prime} \times 4$ " $\times 281 / 2$ " boards
(8) \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Position boards at the dimensions shown.

Secure with \#8 x $2^{112 / 2 " ~ d e c k ~ s c r e w s . ~}$

## See Page 6 For

 Hole Patterns

## Items for STEP 12 :

(5) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 44^{\prime \prime}$ boards
(40) $\# 8 \times 2^{1 / 2} 2^{10}$ deck screws

Position outside boards tight against the 2 " x 6 " x 47 " boards and equally space remaining boards as shown. Secure with \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws.

Caution: Gap between boards must be smaller than $14^{\prime \prime}$ or larger than $1 / 2$ " or a finger entrapment could exist.


## Items for STEP 13:

(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 281 / 2$ " board
(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 193 / 4^{\prime \prime}$ board
(8) \#8 $\times 2 \frac{1}{2} 2^{\prime \prime}$ deck screws

Position boards at dimensions shown. Secure with \#8 x $21 / 2^{\prime \prime}$ deck screws.

## See Page 6 For

Hole Patterns


## Items for STEP 14:

(4) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 31^{112 "}$ " boards
(24) $\# 8 \times 2^{1 ⁄ 21}$ " deck screws

Position end boards flush with 2" x 4" boards. Space remaining boards as shown. Secure with \#8 x $2^{1 ⁄ 212}$ deck screws.

## Caution: Gap between boards must be smaller than $1 / 4^{\text {" }}$ or larger than $1 / 2$ " or a finger entrapment could exist.



## Items for STEP 15:

(1) $2^{\prime \prime} \times 4$ " $\times 81^{\prime \prime}$ board
(2) $2^{\prime \prime} \times 4$ " $\times 47$ " boards
(4) $2^{\prime \prime} \times 4^{\prime \prime} \times 101 / 22^{\prime \prime}$ boards
(32) $\# 8 \times 2 ½ "$ deck screws

Position boards at dimensions shown. Secure with \#8 x $2^{11 ⁄ 2 "}$ deck screws.

## See Page 6 For Hole Patterns



Items for STEP 16:
(7) $5 / 4^{\prime \prime} \times 6^{\prime \prime} \times 22^{\prime \prime}$ boards
(28) $\# 8 \times 2 ½ "$ deck screws

Position 5/4" x 6" boards on the inside of the tower flush with the top and bottom guardrail boards and equally spaced. Secure with \#8 x $2^{1 ⁄ 2 "}$ deck screws.

Caution: Gap between boards must not exceed $31 / 2^{\prime \prime}$ or a head entrapment could exist.

5/4" x 6" x 22" (7) Pattern $\mathbf{J}$


If you purchased the optional Adventure Tunnel Kit (PS 8876) or Climbing Bar Kit (PS 7766), it must be installed now.
Follow the instructions included with the components and then continue with these kit instructions. If you did not purchase the components listed above, proceed with these instructions.

## Items for STEP 17:

(2) Corner Brackets
(2) $2^{\prime \prime} \times 4^{\prime \prime} \times 50 \frac{1}{2 \prime}$ " boards
(4) $3 / 8^{\prime \prime} \times 2^{\prime \prime}$ hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(4) $3 / 8 "$ lock nuts
(8) $\# 8 \times 11 / 4 "$ deck screws
(4) $\# 8 \times 2^{11 / 2 " ~}$ deck screws

Position brackets 39 " up from bottom of tower with the long side of the brackets against the 2" x 4" x 100" boards and the short side flush with the inside edges as shown. Fig. 1
Use brackets as a drill guide and drill $1 / 8$ " holes 1 " deep into the boards. Attach with \#8 x $11 / 4$ " deck screws.

Again use brackets as a drill guide and drill $3 / 8$ " holes completely through the boards. Secure with $3 / 8^{\prime \prime} \times 2$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.

Attach two $2^{\prime \prime} \times 4^{\prime \prime} \times 501 / 2^{\prime \prime}$ boards to corner brackets as shown. Bottom corner of board must rest on the ground and the top corner of board must be flush with the front of the 2 " $\times 4^{\prime \prime} \times 28^{1} / 2^{\prime \prime}$ board.

Use brackets as a drill guide and drill $1 / 8 "$ holes 1 " deep into the boards. Attach with $\# 8 \times 1 \frac{1}{4} /{ }^{\prime \prime}$ deck screws.
Again use brackets as a drill guide and drill $3 / 8$ " holes completely through the boards. Secure with $3 / 88^{\prime \prime} \times 2$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8$ " lock nuts.

Secure 2" x 4" x 501⁄2" boards to 2" x 4" x 100" boards with \#8 x 2½" deck screws as shown. Fig. 2


Items for STEP 18:
(9) $5 / 4^{\prime \prime} \times 6$ " $\times 21 \frac{1}{2} / 2$ boards
(36) $\# 8 \times 2^{1 ⁄ 2} / 2$ deck screws

Position first $5 / 4^{\prime \prime} \times 6$ " x $211 / 2$ " board tight at the top as shown. Secure with \#8 x $2^{1 ⁄ 2 " 2 " ~ d e c k ~ s c r e w s . ~}$

Position next $5 / 4^{\prime \prime} \times 6$ " x $211 / 2 "$ board tight against first board. Secure with \#8 x $2^{1 ⁄ 21} 2^{\prime \prime}$ deck screws.

Repeat for remaining boards.


## Swing Beam Assembly

Items for STEP 1:
(6) 2 " $\times 4$ " $\times 96$ " boards
(54) \#8 $\times 2^{1 ⁄ 2}$ " deck screws


Place one drilled 2" x 4" x 96" board on top of a non-drilled
A $2 " \times 4 " \times 96 "$ board. Make sure boards are flush with each other. If one board is longer than the other, flush one end and let the other end hang over. Secure with \#8 x $21 / 22^{\prime \prime}$ deck screws.

Note: Repeat two more times for the second and third swing post assemblies.


## Items for STEP 2:

(3) Sturdy-Frame Brackets
(6) $3 / 8^{\prime \prime} \times 4^{\prime \prime}$ hex bolts
(12) $3 / 8 "$ washers
(6) $3 / 88^{\prime \prime}$ lock nuts
(6) $\# 8 \times 1 \frac{1}{4} 4^{\prime \prime}$ deck screws

Attach two right-hand (R) and one left-hand (L) sturdy-frame brackets onto separate swing post assemblies (brackets are stamped R and L).

Lay bracket on the flush end of post as shown. Slide bracket over and down until it stops against the top and side of the post as shown. When correctly positioned, the edge of the sturdy-frame bracket will be parallel with the side of the post.

Use the bracket as a drill guide and drill two $1 / 8{ }^{\prime \prime}$ holes $1^{\prime \prime}$ deep into the posts. Attach with two \#8 x 11/4" deck screws.

Again use the bracket as a drill guide and drill two $3 / 8^{\prime \prime}$ holes through the post. Secure bracket with two $3 / 8^{\prime \prime} \times 4$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.

## Repeat for each post.

Note: For the second Right-hand Assembly, flip the bolt shown to go in the opposite direction.

Caution: Make sure bolts are tight and the threads of each bolt are at least flush to the end of the nut to ensure proper engagement.


## Items for STEP 3:

(2) $3 / 8^{\prime \prime} \times 3 / 4$ " hex bolts
(2) $3 / 8^{\prime \prime}$ lock nuts

Mate the right-hand bracket assembly with the flipped bolt to one left-hand bracket assembly as shown.

Secure with two $3 / 8^{\prime \prime} \times 3 / 4$ " hex bolts and $3 / 8^{\prime \prime}$ lock nuts through the two lower holes of brackets as shown (do not use flat washers).


Flipped Bolt

## Items for STEP 4:

(2) $3 / 8^{\prime \prime} x^{3 / 4} \mathbf{" l}^{\prime \prime}$ hex bolts
(2) $3 / 8^{\prime \prime}$ lock nuts

Place two $3 / 8^{" x} \times 3 / 4$ " hex bolts and $3 / 8^{"}$ lock nuts through the two lower holes of bracket on single post as shown (do not use flat washers).

Note: These bolts are necessary to properly align the single post assembly to beam at a later step.


## Items for STEP 5:

(1) $2^{\prime \prime} \times 4^{\prime \prime} \times 60$ " board
(4) $\# 8 \times 2 ½ "$ deck screws

Position assembly as shown.
Align the posts so that the outermost points measure $92^{3} / 4^{" 1}$ as shown.

Attach 2" x 4" x 60" board at dimension shown. Secure with \#8 x $21 / 2^{\prime \prime}$ deck screws.


See Page 6 For
Hole Patterns
(2) corner brackets
(8) \#8 x $11 / 4$ " screws
(2) $3 / 8^{\prime \prime} \times 3^{11 / 2 "}$ hex bolts
(2) $3 / 8^{\prime \prime} \times 2$ " hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(4) $3 / 8^{\prime \prime}$ lock nuts

Attach corner brackets. To complete the A-Frame Assembly, flip over as shown and position brackets so that the short side is against the 2 " $\times 4$ " x 60 " board. (See page 7 for details)

Use the bracket as a drill guide and drill $1 / 8^{\prime \prime}$ holes 1 " deep into the board. Attach with \#8 x $11 / 4$ " deck screws.

Again use the bracket as a drill guide and drill $3 / 8$ " holes completely through the boards. Secure with $3 / 8^{\prime \prime}$ hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.

## NOTE: If you are bolting through one board use a $3 / \mathrm{s}^{\prime \prime} \mathrm{x} 2$ 2" hex bolt.

If you are bolting through two boards, use a $3 / 8^{\prime \prime}$ x $3^{11 / 2 "}$ hex bolt.


## Items for STEP 7:

(1) $2^{\prime \prime} \times 6$ " x 96" board
(4) $\# 8 \times 1 \frac{114 " ~ d e c k ~ s c r e w s ~}{4}$

Lay out the single post assembly and the A-Frame assembly approximately 93" apart. Use remaining unused boards to elevate approximately $3^{\prime \prime}$.

Place 2" x 6" $\times 96$ " board under brackets as shown.
Hold beam tight against bracket. Beam should rest on $3 / 8$ " $x 3 / 4$ " hex bolts and top of post when in proper position. Be sure A-Frame is square ( $90^{\circ}$ ) with beam.

Use brackets as a drill guide and drill $1 / 8$ " holes 1 " deep into the beam and attach with \#8 x 11/4" deck screws as shown.

Again use brackets as a drill guide and drill $3 / 8$ " holes completely through the beam as shown.


## Items for STEP 8:

(1) $2^{\prime \prime} \times 6$ " x 96" board
(8) \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws

Predrill the 2" x 6" x 96" beam board at the dimension shown.
Attach the drilled $2^{\prime \prime} \times 6 " \times 96 "$ board on top of the existing assembly as shown. Make sure boards are flush with bottom board. Secure boards together with \#8 x $2^{1 ⁄ 21}$ screws.

Note: If your boards are a different length, flush the end with the single post.


Lift swing beam assembly and support with saw horses.
(5) $3 / 8^{\prime \prime} \times 4$ " hex bolts
(10) $3 / 8^{\prime \prime}$ washers
(5) $3 / 8^{\prime \prime}$ lock nuts


Note: If you do not have saw horses, rest beam on ground and rotate A-frame and single post simultaneously to the other side (requires two adults). Single post must be supported to keep the bracket from bending. Complete and rotate back to original position.

From the bottom side of beam, use the six $3 / 8^{\prime \prime}$ holes in bottom board as a drill guide and drill $3 / 8^{\prime \prime}$ holes back through both boards.

On the A-Frame end attach three $3 / 8^{\prime \prime} \times 4$ " hex bolts, $3 / 8^{\prime \prime}$ washers and $3 / 8{ }^{\prime \prime}$ lock nuts.

On the single post end only, attach
 and $3 / 8 "$ lock nuts. Leave hole closest to end open as it will be used to attach beam to tower assembly.

Leave
Open

## Items for STEP 10:

(4) swing hangers
(4) $3 / 8^{\prime \prime} \times 3^{\prime \prime}$ lag screws
(4) $3 / 8^{\prime \prime}$ washers

Mark the top beam board, on the bottom edge, at the dimensions shown, for swing hanger locations.

## NOTE: If you are installing the Air Rider, follow the installation instructions that are supplied with the Air Rider.

Drill a $1 / 4$ " hole $2^{1} / 2^{\prime \prime}$ deep in the center of the bottom board at each swing hanger location.

Screw swing hangers into beam by hand (a long screwdriver will help).
Tighten swing hanger until loop is tight against adjoining board and swing hanger is positioned as shown.

Drill another $1 / 4$ " hole $2^{1 ⁄ 2 "}$ deep in adjoining board through swing hanger loop and secure each swing hanger with one $3 / 8^{\prime \prime} \times 3$ " lag screw and $3 / 8^{\prime \prime}$ washer.


## STURDY-FRAME BRACE INSTALLATION

## Items for Step 11:

(1) Sturdy-Frame Brace
(1) $4^{\prime \prime}$ hex bolt
(2) $3 / 8^{\prime \prime}$ washers
(1) $3 / 8^{"}$ lock nut

Remove the nut and washer from the flipped bolt as shown. (Fig. 1)
Install the Sturdy-Frame Brace as shown and secure with $3 / 8$ " washer and lock nut.
(Fig. 1)

Make sure brace is square to beam. Using the brace as a template, drill a $3 / 8$ " hole completely through beam. (Fig. 2)
Secure the Sturdy-Frame Brace to the beam with the $3 / 8^{\prime \prime} \times 4$ " hex bolt, washers and lock nut.


## Items for STEP 12:

(1) $3 / 8^{" \prime} \times 5 \frac{1}{2} 2^{\prime \prime}$ hex bolt
(2) $3 / 8^{\prime \prime}$ washers
(1) $3 / 8 "$ lock nut

On the 2" x 4" board of tower assembly where the Swing Station Assembly will be attached, measure and mark hole location 88 " from the ground as shown.

Drill a $3 / 8$ " hole through the 2 " $\times 4$ " board.
Position Swing Station Assembly against tower and secure with one $3 / 8^{\prime \prime} \times 51 / 2$ " hex bolt, washers and lock nut as shown.


Items for STEP 13:
(2) corner brackets
(2) \#8 x $2^{1 ⁄ 2} 2^{\prime \prime}$ deck screws
(8) \#8 x $1 \frac{114 "}{}$ deck screws
(1) $3 / 8^{\prime \prime} \times 31 / 2^{\prime \prime}$ hex bolt
(3) $3 / 8^{\prime \prime} \times 2$ " hex bolts
(4) $3 / 8^{\prime \prime}$ washers
(4) $3 / 8^{\prime \prime}$ lock nuts

Attach 2" x 4" x 81" board to the swing beam post. Secure using \#8 x $2^{1 ⁄ 2 "}$ " deck screws.

Position brackets so that the short sides are against the 2" x 4" x 81" board.
Use the bracket as a drill guide and drill $1 / 8$ " holes 1 " deep into the board.
Attach with \#8 x $11 / 4$ " deck screws.
Again use the bracket as a drill guide and drill $3 / 8^{\prime \prime}$ holes completely through the boards. Secure with $3 / 8^{\prime \prime}$ hex bolts ( $2^{\prime \prime}$ through one board and $31 / 2^{\prime \prime}$ through two boards), $3 / 8^{\prime \prime}$ washers and $3 / 8^{\prime \prime}$ lock nuts.

Front View


Shown from underneath the deck


## ANGHORING

At locations shown screw Playset Anchors into ground by hand (a long screwdriver will help).
Use the anchor as a drill guide and drill a $1 / 4$ " hole $1^{\prime \prime}$ deep into the board. Attach with $3 / 8^{\prime \prime} \times 1 \frac{1}{2} 2^{\prime \prime}$ lag screw and $3 / 8$ " washer.


Note: If soil conditions permit anchors to be pulled out easily, such as in sandy soil conditions, cementing is required. If your ground is too hard to screw in the anchors, or you are having trouble lining up anchor with existing hole in tower, you can remove the earth with a shovel. Install the anchors and compact the earth as you replace it. Anchors must be placed below the level of the shockabsorbing surfacing material to prevent tripping or injury resulting from a fall.

Reminder: Be sure to install proper shock-absorbing surfacing material. Refer to the Safety Guide at the beginning of this plan.


(6) Anchors
(6) $3 / 8^{\prime \prime} \times 11 / 2^{\prime \prime}$ Lag Screw
(6) $3 / 8^{" ~ W a s h e r s ~}$

## Bronze \& Starter Option

(5) Anchors
(5) $3 / 8^{\prime \prime} \times 1 ½ "$ Lag Screw
(5) $3 / 8^{\prime \prime}$ Washers

5

## SLIDE - Mounting Instructions

## Scoop Slide - PS 8813

1. Align Slide at right angle $\left(90^{\circ}\right)$ to $48^{\prime \prime}$ play deck. Lip of Slide should rest on the play deck $1 / 1 / 2^{\prime \prime}$. Using the Slide as a template, mark play deck through the three holes in the Slide. Drill three $1 / 8^{\prime \prime}$ holes at marked location.
2. Attach Slide temporarily to play deck with three $\# 14 \times 1 \frac{1}{4} 4^{\prime \prime}$ screws provided.
3. Prepare level area where Slide touches ground that is 1 " below surrounding grade.
4. Locate and mark the ground on the back side, on either side of the star. Remove Slide and screw Playset Anchor into the ground (a long screwdriver will help). Screw the anchor deep enough so that the loop at the top of the anchor will be flat against the back surface of Slide when the Slide is in the final position.
5. Reinstall Slide permanently, attaching it to play deck using \#14 x 11/4" pan head screws provided.

6. Use the Playset Anchor as a drill guide and drill a $3 / 8$ " hole completely through the Slide. Attach Slide to anchor with one $3 / 8^{\prime \prime} \times 1 \frac{1}{1 / 4}$ hex bolt, two $3 / 8^{" 1}$ washers and one $3 / 8^{" ~ l o c k ~ n u t ~}$ provided in the anchor kit.
7. Fill in around bottom of Slide to make surface level to surrounding grade.

Caution: Failure to anchor the Slide properly could cause serious injury from children lifting the slide.

Caution: Do not install this Slide 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.


## VERTIGAL CLIMBER - Assembly Instructions

1. Position Vertical Climber so that the top is flush with the top of the deck and mark pilot holes.
2. Drill $1 / 8$ " holes $1^{\prime \prime}$ deep into the board.
3. Attach with five $\# 14 \times 1 \frac{1}{4} 4^{\prime \prime}$ pan head screws (provided) on each side.

## Caution: Gap between Vertical Climber and playset must not exceed $31 / 2$ " or a head entrapment could exist.



## CLIMBING STEPS - Assembly Instructions

1. Place the left (L) step side rail on a flat work surface. Insert one $2 " \times 6 " \times 21^{\prime \prime}$ top step into the top hole.

## Note: This hole does not go completely through the side rail.

2. Insert three $2^{\prime \prime} \times 6^{\prime \prime} \times 231 / 2^{\prime \prime}$ standard steps into the remaining holes until they are flush with the outside of the side rail. (Fig. 1)
3. Insert the right ( R ) step side rail on top of the existing boards until the standard boards are flush with the outside of the side rail. (Fig. 2)

4. Position the Climbing Steps Assembly into the $21 \frac{1}{2} 2^{\prime \prime}$ opening of your play deck so that the top surface of the top step is 12 " from the top surface of your play deck (48" from the ground). Secure the Climbing Step Assembly to the play deck using three \#14 x 1¼" pan head screws on each side as shown. (Fig. 3)

NOTE: The steps must be positioned as specified. The gaps must not exceed $311 / 2^{\prime \prime}$ otherwise a head entrapment could exist.

5. Making sure that all of the standard steps are flush with the outside sides of the Climbing Steps Assembly, secure each step to the side rails using two \#14 x $11 / 4$ " pan head screws for each step as shown. (Fig. 4)


## CLIMBING WALL - Assembly Instructions

1. Align top of Climbing Wall at right angle $90^{\circ}$ ). Lip of climbing wall should rest on the play deck $1 \frac{1}{2} 2^{\prime \prime}$. Using the Climbing Wall as a template, mark play deck through the three holes in the climbing wall. Drill three $1 / 8{ }^{\prime \prime}$ holes at marked locations. (Fig. 1)
2. Attach Climbing Wall temporarily to play deck with three \#14 x 114" pan head screws provided.
3. Prepare level area where Climbing Wall touches ground.
4. Locate and mark the ground on the back side and in center of Climbing Wall. Remove Climbing Wall and screw Playset Anchor into the ground (a long screwdriver will help). Screw the anchor deep enough so that the center of the loop at the top of the anchor will be approximately $31 / 2$ " off ground when wall is in the final position.
5. Reinstall Climbing Wall permanently, attaching it to play deck using \#14 x $11 / 4$ " pan head screws provided.
6. Use the anchor as a drill guide and drill a $3 / 8^{"}$ hole completely through the Climbing Wall. Attach Climbing Wall to anchor with one $3 / 8^{\prime \prime} \times 1 \frac{1}{4} 4^{\prime \prime}$ hex bolt, two $3 / 8^{\prime \prime}$ washers and one $3 / 8^{\prime \prime}$ lock nut provided in the anchor kit. (Fig. 2)

## Warning: Failure to anchor the Climbing Wall properly could cause serious injury from children lifting the Unit.

Fig. 1


## COMPONENTS - Mounting Instructions

## SWING SEAT • GYM RINGS

1. Attach coated ends of chains onto play component using Quick-Link Connectors provided. Tighten securely with an adjustable wrench.
2. Hook uncoated ends of chain onto Swing Hangers provided.
3. Customize the height of your swing or gym rings anywhere in the Adjustment Zone, to fit your child.



Swing Chain Spacing:
$10^{\prime \prime}$ minimum spacing is required from the closest point of all other rides or stationary objects.
Gym Ring Chain Spacing:
$11 / 2^{12}$ minimum spacing is required from the closest point of all other rides or stationary objects.

| CLIMBING ROPE |
| :--- | :--- |
| 1. Tie five knots, equally spaced, for climbing |
| grips. (Fig. 1) |
| 2. Insert rope through top hole and tie a knot |
| with 4" remaining. |
| 3. Insert opposite end through bottom hole, pull |
| tight and tie a knot while keeping rope snug. |
| 4. Secure both ends with staples |
| provided (2 each end). (Fig. 2) |

Fig. 2
Fig. 1

## CLIMBING ROCKS

1. Position rocks at desired location.
2. Mark pilot holes.
3. Drill $1 / 8$ " diameter holes 1 " deep.
4. Secure with two \#14 x 11/4" pan head screws provided.


## PLAY HANDLES

1. Position Play Handle at desired location.
2. Mark pilot holes.
3. Drill $1 / 8$ " holes 1 " deep.
4. Secure with $\# 14 \times 11 / 4 "$ pan head screws provided.

## SPEAK \& SPY MEGASCOPE

1. Determine desired location for pivot.
2. Drill $1 / 4$ " diameter pilot hole 1 " deep.
3. Fasten $3 / 8^{\prime \prime} \times 3^{\prime \prime}$ lag screw and $3 / 8$ " washer through center of pivot into pilot hole using socket wrench and $9 / 16^{\prime \prime}$ socket.
4. Tighten screw enough to make pivot snug to wood, but sill allowing it to turn.
5. Snap Speak \& Spy MegScope onto pivot.

USE THE INSTALLATION INSTRUCTIONS AND MOUNTING HARDWARE WHICH ARE SUPPLIED WITH THE FOLLOWING COMPONENTS


DECORATIVE KIT (PS 7980)


WATER SLIDE KIT (PS 8840)


SPIRAL TUBE SLIDE (PS 8821)

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