Complete Guide to Building a
12-Foot Elevated 4x6 Platform Stand

Includes:
- Step by Step Instructions
- Materials List
- CAD Drawings
- Photos
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Introduction

The ComfortQuest SW4x6 Hunting Blind fits on any 4’ x 6’ platform. If you don’t already have a platform or stand you can build one using the following drawings and instructions. This manual provides detailed step-by-step instructions, drawings and photos for constructing and assembling a 4 x 6’ Platform and 12’ Wood Stand. The stand is designed to be attached to a live tree that is 10 inches in diameter or larger. It can be used with the SW4x6 ComfortQuest Fabric Blind and Aluminum Frame.

For best results, it is important that all instructions are followed carefully and all steps are completed accurately. It is assumed that assemblers using this manual have basic woodworking skills and are familiar with the tools outlined below. Failure to follow these instructions carefully may result in an unsafe hunting stand that could cause injury or death.
Purchase the following materials:

<table>
<thead>
<tr>
<th>Quan</th>
<th>Size</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2 x 6 x 10'</td>
<td>Treated Wood (for platforms and support leg cross pieces)</td>
</tr>
<tr>
<td>9</td>
<td>2 x 6 x 12'</td>
<td>Treated Wood (for ladder, support leg and platforms)</td>
</tr>
<tr>
<td>5</td>
<td>2 x 4 x 10'</td>
<td>Treated Wood (for upper platform deck and ladder rungs)</td>
</tr>
<tr>
<td>1</td>
<td>4' x 8' x 1/2&quot;</td>
<td>Treated Plywood (for upper and lower platforms)</td>
</tr>
<tr>
<td>4</td>
<td>6&quot; x 1/2&quot;</td>
<td>Hex Bolts w/flat washers &amp; lock nuts</td>
</tr>
<tr>
<td>8</td>
<td>4&quot; x 3/8&quot;</td>
<td>Carriage Bolts w/ flat washers and hex lock nuts</td>
</tr>
<tr>
<td>100</td>
<td>3 1/2&quot; x #8</td>
<td>Premium Coated Deck Screws</td>
</tr>
<tr>
<td>50</td>
<td>2 1/2&quot; x #8</td>
<td>Premium Coated Deck Screws</td>
</tr>
<tr>
<td>2</td>
<td>6 1/2&quot; x 1/2&quot;</td>
<td>Eye Bolts w/ Flat Washers, Lock Washers and hex nuts</td>
</tr>
<tr>
<td>1</td>
<td>48&quot; x 1&quot;</td>
<td>Log Chain</td>
</tr>
<tr>
<td>2</td>
<td>5/16&quot;</td>
<td>Chain Quick links</td>
</tr>
<tr>
<td>2</td>
<td>PL200 or PL400 (or equal)</td>
<td>Tube of Construction Adhesive</td>
</tr>
</tbody>
</table>

Make sure you have the following tools available:

- Circular Saw (or Miter Saw)
- Drill Driver
- Drill Bits
- # 2 Square Drive Bit
- Carpenters Square
- Adjustable Square
- Caulking Gun
- Hammer
- Set of Open End Wrenches
- Socket Set
- Carpenters Pencil
- Angle Measurer (Optional)
- Hand Saw
- Stapler
STEP 1 - Build the Upper Platform

A. Cut the lumber to the following sizes. Refer to Drawings 1 & 2 on the next two pages for details.

<table>
<thead>
<tr>
<th>#</th>
<th>Lengths</th>
<th>Item</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>45”</td>
<td>Treated 2 x 6</td>
<td>Frame End Pieces</td>
</tr>
<tr>
<td>2</td>
<td>72”</td>
<td>Treated 2 x 6</td>
<td>Frame Side Pieces</td>
</tr>
<tr>
<td>4</td>
<td>69”</td>
<td>Treated 2 x 6</td>
<td>Frame Cross Pieces</td>
</tr>
<tr>
<td>6</td>
<td>48”</td>
<td>Treated 2 x 4</td>
<td>Deck Support Pieces</td>
</tr>
<tr>
<td>1</td>
<td>4’ x 6’</td>
<td>½” Treated Plywood</td>
<td>Platform Decking</td>
</tr>
</tbody>
</table>

B. Assemble the lumber as shown in Drawings 1 & 2. Refer to the Notes section of the drawings for assembly instructions. The completed **UPPER PLATFORM** should look like the photos below.

Completed Upper Platform Frame - Top View

Completed Upper Platform w/ Plywood Attached - Top View

Upper Platform - Installed on 12’ Stand
NOTES

a) FRAME: USE 2 x 6 TREATED LUMBER
b) ASSEMBLE FRAMING USING #6 x 3 1/2" COATED DECK SCREWS
c) DECKING: USE 4' x 6' x 1/2" TREATED PLYWOOD
d) ATTACH PLYWOOD DECK AND TREATED FLAT JOISTS USING #8 x 3 1/2" COATED DECK SCREWS
e) USE PLT CONSTRUCTION ADHESIVE ON ALL JOINTS INCLUDING PLYWOOD DECK
f) SLOTS FOR 2 x 6 LADDER AND 2 x 6 SUPPORT LEGS (A) MUST BE SIZED TO ACCOMODATE ENDS OF 2 x 6's WRAPPED WITH ONE LAYER OF LANDSCAPE FELT. (THE FELT WILL HELP PREVENT SQUEAKS)
a) FRAME USE 2 X 6 TREATED LUMBER
b) ASSEMBLE FRAMING USING #8 X 3 1/2" COATED DECK SCREWS
c) DECKING USE 4 X 6 X 1/2" TREATED PLYWOOD & TREATED PLAT JOISTS
d) ATTACH PLYWOOD DECK AND TREATED PLAT JOISTS USING #8 X 3 1/2" COATED DECK SCREWS

NOTES

f) SLOTS FOR 2 X 6 LADDER AND 2 X 6 SUPPORT LEGS (A)
MUST BE SIZED TO ACCOMODATE ENDS OF 2 X 6’S WRAPPED WITH ONE LAYER OF LANDSCAPE FELT. (THE FELT WILL HELP PREVENT SQUEAKS)

5 1/2" TREATED 2 X 6 wrapped w/ two layers of landscape felt
(Attach to frame using (4) #6 x 2 1/2" coated deck screws)
A. Cut the lumber to the following sizes. Refer to Drawing 3 on the next page for details.

<table>
<thead>
<tr>
<th>#</th>
<th>Lengths</th>
<th>Item</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>98 3/8&quot;</td>
<td>Treated 2 x 6</td>
<td>Frame Side Pieces</td>
</tr>
<tr>
<td>3</td>
<td>18&quot;</td>
<td>Treated 2 x 6</td>
<td>Frame Cross Braces</td>
</tr>
<tr>
<td>1</td>
<td>21&quot; x 48&quot;</td>
<td>½&quot; Treated Plywood</td>
<td>Lower Platform Decking</td>
</tr>
</tbody>
</table>

B. Assemble the lumber as shown in Drawing 3 on the next page. Refer to the Notes section of the drawing for assembly instructions. The completed LOWER PLATFORM should look like the photos below.
a) FRAME: USE 2 x 6 TREATED LUMBER
b) DECKING: USE 21" x 48" x 1/2" TREATED PLYWOOD
c) ASSEMBLE FRAMING USING #8 x 3 1/2" COATED DECK SCREWS
d) ATTACH PLYWOOD DECK TO 2 X 6 FRAME USING #8 x 3 1/2" COATED DECK SCREWS
e) USE PLT CONSTRUCTION ADHESIVE ON ALL JOINTS INCLUDING PLYWOOD DECKING
A. Cut the lumber to the following sizes. Refer to Drawing 4 on the next page for details.

<table>
<thead>
<tr>
<th>#</th>
<th>Lengths</th>
<th>Item</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>12’ (144&quot;)</td>
<td>Treated 2 x 6</td>
<td>Ladder Side Rails</td>
</tr>
<tr>
<td>8</td>
<td>24&quot;</td>
<td>Treated 2 x 4</td>
<td>Ladder Rungs</td>
</tr>
</tbody>
</table>

B. Assemble the lumber as shown in Drawing 4 on the next page. Refer to the Notes section of the drawing for assembly instructions. The completed LADDER should look like the photos below.
**4 X 6 Stand - Ladder Detail**

**NOTES**

a) **Ladder Side Rails**: Use 2 x 6 Treated Lumber

b) **Ladder Rungs**: Use 2 x 4 Treated Lumber

c) **Use PLT Construction Adhesive on all joints**

d) **Attach Rungs to 2 x 6’s using #8 x 3 1/2” Coated Deck Screws**

e) **Use (4) 3 1/2” Deck Screws per Ladder Rung (2 on each end)**

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**Drawing 4**

**Top View**

**Side View**

- **Angle Cut Detail (Top End)**
  - 7/8" Cut Line
  - 81°

- **Angle Cut Detail (Bottom End)**
  - 7/8" Cut Line
  - 81°
A. Cut the lumber to the following sizes. Refer to Drawing 5 on the next page for details.

<table>
<thead>
<tr>
<th>#</th>
<th>Lengths</th>
<th>Item</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>12’ (144”)</td>
<td>Treated 2 x 6</td>
<td>Support Legs - Side Rails</td>
</tr>
<tr>
<td>5</td>
<td>21”</td>
<td>Treated 2 x 6</td>
<td>Support Legs - Cross Braces</td>
</tr>
</tbody>
</table>

B. Assemble the lumber as shown in Drawing 5 on the next page. Refer to the Notes section of the drawing for assembly instructions. The completed SUPPORT LEGS should look like the photos below.

[Images of completed support legs and installed support legs]
a) SUPPORT LEG SIDE RAILS: USE 2 x 6 TREATED LUMBER
b) SUPPORT LEG CROSS BRACES: USE 2 x 6 TREATED LUMBER
c) USE PLT CONSTRUCTION ADHESIVE ON ALL JOINTS
d) ATTACH CROSS BRACES TO SIDE RAILS USING #8 x 3 1/2" COATED DECK SCREWS
e) USE (8) 3 1/2" DECK SCREWS PER CROSS BRACE (4 ON EACH END)
STEP 5 - Attach the Ladder to the Upper Platform

A. Using an adjustable square, match the angle at the top end of the Ladder side rail and lock the square. This is the angle that you cut previously (ref Drawing 4). This angle will be used later. (Photo 1)

B. Wrap both upper ends of the 2 x 6 Ladder side rails with a layer of landscape felt and staple it in place. (this will prevent squeaks later when the stand is finished). (Photo 2)

C. Attach the Ladder to the Upper Platform by inserting the 2 x 6 Ladder ends into the slots in the upper platform. (Photo 3). Make sure the 2 x 6 side rails are seated firmly against the outer 2 x 6 of the platform frame.

D. Check the angle (using the adjustable square from (A) above). Also check to make sure the 2 x 6 is tight against the 2 x 6 on the side of the platform. (Photo 3).

E. Drill a 1/2” hole through the 2 x 6's of the platform and the 2 x6 of the Ladder. (Photo 4) Perform this same step for both sides of the Ladder.

F. Install a 1/2” Hex Bolt with flat washer into the 1/2” hole (Photo 5) and install a flat washer, hex lock nut on both bolts. Tighten the nuts securely. (Photo 6)
STEP 6 - Attach the Support Legs to the Upper Platform

A. The Support Legs are attached to the other side of the upper platform using the same procedure that you used to attach the Ladder to the Upper Platform.

B. Using an adjustable square, match the angle at the top end of the Support Leg side rail and lock the square. (this angle will be used later). (Photo 1)

C. Wrap both upper ends of the 2 x 6 Support Leg side rails with a layer of landscape felt and staple it in place. (this will prevent squeaks later when the stand is finished). (Photo 2)

D. Attach the Support Legs to the Upper Platform by inserting the 2 x 6 support leg ends into the slots in the upper platform. (Photo 3).

E. Check the angle (using the adjustable square from (A) above). Also check to make sure the 2 x 6 is tight against the 2 x 6 on the side of the platform. (Photo 3).

F. Drill a 1/2" hole through the 2 x 6’s of the platform and the 2 x6 of the Support Leg. (Photo 4) Perform this same step for both ends of the ladder.

G. Install a 1/2" Hex Bolt with flat washer into the 1/2" hole (Photo 5) and install a flat washer and hex lock nut on both bolts. Tighten the nuts securely. (Photo 6)
Step 7 - Attach the Lower Platform to the Ladder and Support Leg

A. The lower platform 2 x 6 frame is bolted to the Ladder and Support Leg using 3/8” x 4” carriage bolts. The top edge of the lower platform should approximately 54" from the bottom ends of the Ladder and Support Leg. (Photo 1) See Drawing 6,7,8 on the next 3 pages for additional detail. The Lower Platform will provide structural strength for the stand and also provide a convenient platform to stand on when attaching the stand to a tree, installing bungee cords on the ComfortQuest Blind, etc. Also refer to Drawing 6,7 & 8 on the following pages for additional help.

B. Staple (4) pieces of landscape felt on the lower platform cross braces (where they intersect with the side rail 2 x 6’s of the ladder and support leg). (this will prevent squeaks later when the stand is finished (Photo 2).

C. You should have already attached the Ladder and Support Leg to the Upper Platform and this assembly should be laying on the ground (Photo 3).

D. Slide the Lower Platform frame between the side rails of the Ladder and Support Leg. The top of the Lower Platform should be positioned about 54" from the bottom end of both the Ladder and Support Legs (Photo 1). It is important that this distance is the same on both ends of the Lower Platform so that it will be level when the stand is installed on a tree. (see Photo 3) Also refer to Drawing 5 for more detail.

E. Drill 3/8" holes through the ladder side rails and lower platform 2 x 6. Install a 3/8” carriage bolt, flat washer and hex lock nut. Tighten the hex lock nuts securely. (Photo 4)
Chain to tree here

1/2" TREATED PLYWOOD

2 x 6 Treated Lumber (LOWER PLATFORM)

12' x 2 x 6 Treated Lumber

12' x 2 x 6 Treated Lumber

1/2" TREATED PLYWOOD

2 x 6 Treated Lumber (LOWER PLATFORM)

2 x 4 x 24" LADDER RUNG

2 x 6 x 21" CROSS BRACES (5) TOTAL
Use (8) #8 x 3 1/2" Coated Deck Screws to attach to support legs

48" x 72" Upper Platform (see detail drawing)

10" to 30" Tree
48" x 72" Upper Platform (see detail drawing)
Attached to support legs and ladder using 1/2" x 6" hex bolts, (2) flat washers, lock washer and hex nut

2 x 6 x 5 1/2" Spacer Block

1/2" x 6" Eye Bolt
1" x 48" Chain (attach to eye bolt with 3/16" quicklinks)

10" to 30" Dia. Tree

Lower Support Platform (see detail drawing)
Attached to support legs and ladder using 3/8" x 4" carriage bolts, flat washer and hex lock nut

2 x 6 x 21" Cross Braces
Attach to 2" x 6" stringers using PL200 construction adhesive and (3) #8 x 3 1/2" coated deck screws for each end of the cross brace

2 x 6 x 12' Sides

Attached to support legs and ladder using 1/2" x 6" hex bolts, (2) flat washers, lock washer and hex nut

48" x 72" Upper Platform (see detail drawing)

2 x 6 x 12' Sides

48" x 72" Upper Platform (see detail drawing)
4 x 6 Platform Stand / Right Side View

- **1/2" x 6" Eye Bolt**
- **1" x 48" Chain** (attach to eye bolt with 3/16" quicklinks)
- **2" x 4" x 5 1/2" Spacer Block**
- **48" x 72" Upper Platform** (see detail drawing)
- **10" to 30" dia. Tree**
- **2" x 6" x 12' Sides**
- **2" x 4" x 24" Ladder Rungs**
- **Lower Support Platform** (see detail drawing)
- **2" x 4" x 24" Ladder Rungs**
- **2" x 4" x 5 1/2" Spacer Block**
- **1" x 48" Chain** (attach to eye bolt with 3/16" quicklinks)
- **2" x 6" x 12' Sides**

Attached to support legs and ladder using 1/2" x 6" hex bolts, (2) flat washers and hex lock nuts.

Attached to support legs and ladder using 3/8" x 4" carriage bolts, flat washer and hex lock nut.

Lower Support Platform (see detail drawing)

Attached to support legs and ladder using 3/8" x 4" carriage bolts, flat washer and hex lock nut.
Step 8 - Attach The Completed Stand To A Tree

A. Position the completed stand laying on the ground with the bottom of the Ladder and Support Leg facing the tree (Photo 1)

B. With the help of one or two assistants, raise the stand so that the rear side of the platform is leaning against the tree. (Photo 2) (the rear side is the side with the (8) 9/16" drilled holes and the 5 1/4" fabric wrapped 2 x4 attached. Position the stand so that the upper and lower platforms are level. (On uneven ground, you will may need to remove some soil from under the ladder or support leg to level the stand). Temporarily tie ladder and support leg to the tree using a rope or tie down strap to hold the stand in place while you secure it to the tree with the chain and eye bolts.

C. Install the two Eye Bolts into the platform holes (Install the bolts in the 9/16" holes that correspond to the diameter of the tree). Install a flat washer and hex lock nut on each bolt but do not tighten the hex nuts yet. Attached the chain to each eye bolts using two 3/16” Chain Quick Links. (Photo 3)

D. Tighten the Hex Nuts on both Eye Bolts until the chain is tight and the stand is secure.