Call Us First!

DO NOT RETURN TO STORE.

For immediate help with assembly or product information
Call our toll-free number:
1-800-577-9663
or email:
customerservice@backyardproductsllc.com

Our staff is ready to provide assistance.
April through October M - F 8:00 AM to 6:00 PM EST
Saturday 8:30 AM to 4:30 PM EST
November through March M - F 8:00 AM to 5:00 PM EST
(This page intentionally left blank.)
IMPORTANT!
READ INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING ASSEMBLY.

BEFORE YOU BEGIN

- BUILDING RESTRICTIONS AND APPROVALS
  Be sure to check local building department and homeowners association for specific restrictions and/or requirements before building

- ENGINEERED DRAWINGS
  Contact our Customer Service Team if engineered drawings are needed to pull local permits.

- SURFACE PREPARATION
  To ensure proper assembly you must build your shed on a level surface. Recommended methods and materials to level your shed are listed on page 8.

- CHECK ALL PARTS
  Inventory all parts listed on pages 4-6. Contact our Customer Service Team if any parts are missing or damaged.

- ADDITIONAL MATERIALS
  You will need additional materials to complete your shed. See page 3 for required and optional materials and quantities.

- CUSTOMER SERVICE -
Call: 1-800-577-9663 email: customerservice@backyardproductsllc.com
**TOOLS**

<table>
<thead>
<tr>
<th>Required</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phillips Screwdriver</td>
<td>Chalk Line</td>
</tr>
<tr>
<td>Drill/Driver 3/8&quot; Drill Bit #2 Phillips Drive Bit</td>
<td>Utility Knife Shingle Blades</td>
</tr>
<tr>
<td>Hammer</td>
<td>Caulk Gun</td>
</tr>
<tr>
<td>Pencil</td>
<td>Exterior rated Wood Glue</td>
</tr>
<tr>
<td>Tape Measure</td>
<td>Ladder</td>
</tr>
<tr>
<td>Square or</td>
<td>Paint Tools</td>
</tr>
<tr>
<td>Level</td>
<td></td>
</tr>
</tbody>
</table>

Safety! Always use approved safety glasses during assembly.

**HELPFUL REMINDER SYMBOLS**

Look for these symbols for helpful reminders throughout this manual.

- = Assistance Required; two or more people.
- = Mark part with pencil.
- = Ensure squareness.
- = Beginning of steps for assembly or installation.
- = Important required step or operation.
- = You have finished the assembly or installation.
- = Helpful assembly hint.
- = Level

**ORIENT LUMBER AND TRIM FOR BEST APPEARANCE**

Framing lumber is graded for structural strength and not appearance. Exterior trim is graded for one good side.

Always install the material leaving the best edge and best surface visible. Please remember that these blemishes in no way negatively affect the strength or integrity of our product. (See Fig. A, B, C.)
**ADDITIONAL MATERIALS**

**FOUNDATION OR FLOOR MATERIALS**

- This shed kit includes a complete wood floor system.
- It does not include ANY leveling materials.
- See the FLOOR LEVELING section on page 9 for recommended methods and suggested materials to properly level your floor, as this will vary depending on your specific site.

**REINFORCED WOOD FLOOR FRAME (OPTIONAL)**

IMPORTANT! The included floor has been designed for general use. Depending on your specific use you may want to construct a heavy duty floor frame by adding additional floor joists (shown below as shaded). Below is a list of additional materials (not included).

- **x5** 2 x 4 x 8' (5,1 x 10,2 x 243,8 cm) Treated Lumber
- Cut lumber to 2 x 4 x 93" (5,1 x 10,2 x 236,2 cm) Treated Lumber
- **x20** ea. 3" (7,6 cm) hot-dipped galvanized nails

**COMPLETING YOUR SHED**

You will need these additional materials:

- **3-TAB SHINGLES**.................................5 Bundles
- **PAINT FOR SIDING**............................2 Gallons
  Use 100% acrylic latex exterior paint. (2) coats recommended.
- **CAULK**..............................................2 Tubes
  Use acrylic latex exterior caulk that is paintable.
- **1" GALVANIZED ROOFING NAILS**.... 2 Lbs
  For shingles.
- **PAINT FOR TRIM**...............................1 Quart
  Use 100% acrylic latex exterior paint.
- **WOOD GLUE**................................. Exterior Rated

**OPTIONAL MATERIALS**

- **DRIP EDGE** ......................... 40 Feet
- **#15 ROOFING FELT**
  To cover 100 Sq. Ft. of roof area.
- **1" GALVANIZED ROOFING NAILS**..1/4 Lb
  For roofing felt.

REFER TO THE BACK OF THIS MANUAL AND THE MANUFACTURER’S INSTRUCTIONS FOR INSTALLATION OF SHINGLES, DRIP EDGE AND FELT.
PARTS IDENTIFICATION AND SIZES

Part identification is stamped on some parts.

- Check these locations for Part stamps

PARTS LIST

INVENTORY YOUR PARTS before you begin.
We suggest sorting parts by the category they are listed in.

FLOOR

- x2 TREATED 2 x 4 x 24" (5.1 x 10.2 x 61 cm)
- x2 TREATED 2 x 4 x 92-1/2" (5.1 x 10.2 x 235 cm)
- x6 TREATED 2 x 4 x 93" (5.1 x 10.2 x 236.2 cm)
- x1 UU 2 x 4 x 9" (5.1 x 10.2 x 22.9 cm)
- x4 CBA 2 x 4 x 14-13/16" (5.1 x 10.2 x 37.6 cm)
- x2 CCA 2 x 4 x 17" (5.1 x 10.2 x 43.2 cm)
- x1 CBA 2 x 4 x 29" (5.1 x 10.2 x 73.6 cm)
- x2 CFA 2 x 4 x 42-3/4" (5.1 x 10.2 x 108.6 cm)
- x1 STL 2 x 4 x 44-1/2" (5.1 x 10.2 x 113 cm)
- x2 CDA 2 x 4 x 66-3/4" (5.1 x 10.2 x 169.6 cm)
- x1 LUM 2 x 4 x 68" (5.1 x 10.2 x 172.7 cm)
- x4 CGA 2 x 4 x 80-1/2" (5.1 x 10.2 x 204.5 cm)
- x2 TP 2 x 4 x 96" (5.1 x 10.2 x 243.8 cm)
- x2 CIA 2 x 6-1/2 x 21-1/4" (5.1 x 16.5 x 54 cm)
- x2 CIA 2 x 6-1/2 x 96" (5.1 x 16.5 x 243.8 cm)
- x8 YP 6 x 24" (15.2 x 61 cm) GUSSET
- x8 YA 2 x 4 x 55-3/16" (5.1 x 10.2 x 140.2 cm)
- x2 JF 1 x 4 x 60" (2.5 x 10.2 x 152.4 cm)

WOOD SIZE CONVERSION CHART

<table>
<thead>
<tr>
<th>Nominal Board Size</th>
<th>Actual Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; x  4&quot;</td>
<td>1-1/2&quot; x 3-1/2&quot; (3.8 x 8.9 cm)</td>
</tr>
<tr>
<td>1&quot; x  4&quot;</td>
<td>3/4&quot; x 3-1/2&quot; (1.9 x 8.9 cm)</td>
</tr>
<tr>
<td>2&quot; x  3&quot;</td>
<td>1-1/2&quot; x 2-1/2&quot; (3.8 x 6.3 cm)</td>
</tr>
<tr>
<td>1&quot; x  3&quot;</td>
<td>3/4&quot; x 2-1/2&quot; (1.9 x 6.3 cm)</td>
</tr>
</tbody>
</table>

WALLS

- x8 [KV] 19/32 x 2-1/2 x 8" (1.5 x 6.4 x 20.3 cm)
- x2 [CT] 1 x 3 x 22" (2.5 x 7.6 x 55.9 cm)
- x6 [FF] 19/32 x 2-1/2 x 22-1/4" (1.5 x 6.4 x 56.5 cm)
- x2 [FA] 19/32 x 2-1/2 x 22-5/8" (1.5 x 6.4 x 57.5 cm)
- x4 [WV] 2 x 4 x 56-7/16" (5.1 x 10.2 x 143.4 cm)
- x8 WV 3/8 x 1-3/4 x 72" (1 x 4.4 x 182.9 cm) CORNER TRIM
- x1 BE 5/8 x 3 x 96" (1.6 x 7.6 x 243.8 cm)
- x2 BE 1 x 3 x 96" (2.5 x 7.6 x 243.8 cm)

TRIM

- x2 [OO] 2 x 3 x 69" (5.1 x 7.6 x 175.3 cm)

ROOF

- x8 YA 2 x 4 x 55-3/16" (5.1 x 10.2 x 140.2 cm)
- x2 JF 1 x 4 x 60" (2.5 x 10.2 x 152.4 cm)

DOOR

- x2 [OO] 2 x 3 x 69" (5.1 x 7.6 x 175.3 cm)
**WALL PANEL & DOOR PARTS LIST**

NOTE: Panel parts are not stamped with part identification.

- 3/8 x 23-7/8 x 72" (1 x 60,6 x 182,9 cm)

**ROOF PANELS**

Roof panels are 7/16" (1,1 cm) thick.

- 3/8 x 48 x 72" (1 x 121,9 x 182,9 cm)
- 3/8 x 12-1/2 x 72" (1 x 26 x 182,9 cm)
- 3/8 x 46-1/8 x 72" (1 x 117,2 x 182,9 cm)
- 3/8 x 48 x 72" (1 x 121,9 x 182,9 cm)

**NOTES**

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**FLOOR PANELS (Not Included)**
You will need floor panels to complete your floor. •Floor panel sizes and quantities shown below.

NOTE: Use a minimum of 5/8" (1,6 cm) oriented strand board (OSB).

- **x1**
  - 20-1/2 x 96" (60,6 x 243,8 cm)

- **x2**
  - 48 x 96" (121,9 x 243,8 cm)

**NAIL BOXES**

- **x2 BOXES**
  - 3" (7,6 cm)

- **x4 BOXES**
  - 2" (5,1 cm)

**NOTES**

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DOOR HARDWARE (Not actual size)

FASTENER/HARDWARE BAG

NOTES
All of our buildings have been engineered to withstand demanding wind and snow loads. If you live in an area with extreme wind/snow load requirement, contact us and we can assist with engineering to meet your local codes.

1. Sub-assembled doors with attached hinges.
2. 2x3 wall studs have been engineered to support roof load and to meet demanding wind loads.
3. Sidewall top and bottom plates tie wall studs together and provide nailing support for top and bottom edge of siding.
4. Siding overhangs the wall framing and floor to keep the elements out.
5. Collar tie maintains door frame integrity.
6. Includes treated floor frame and sturdy Oriented Strand Board (OSB) floor deck.
FLOOR LEVELING OPTIONS
There are multiple ways to level your floor frame. Our recommended leveling method is shown below. Leveling materials are not included in this kit.

PREFERRED METHOD - 4x4 TREATED RUNNERS

- 3" (7.6 cm) Screws angled into 4x4.
- (2) at each point frame and 4x4 touch.

Measurements to centers of 4x4’s.
12” (30,5 cm)

MATERIAL REQUIRED

☐ x2 4” x 4” x 10’ (8,9 x 8,9 x 304,8 cm)
Treated Lumber

☐ Fasteners for Frame to 4”x 4”.
(3” (7,6 cm) Screws shown as one option.) Minimum (24) 3” (7,6 cm) screws / exterior grade.

⚠️ Use only wood treated for ground contact and fasteners approved for use with treated wood.

⚠️ Always support frame seams.

LEVELING METHODS

- Level under 4x4 runners only.
- Locate leveling material 12” (30,5 cm) from ends of runners and no more than 48” (121,9 cm) apart.
- Asphalt shingles should be used between 4x4 runners and blocks or treated lumber. Never use shingles in direct contact with ground.
- For best results and aiding in water drainage use gravel under each concrete block.

LEVELING MATERIALS

☐ Gravel
☐ Solid Masonry Blocks in 1", 2", 4" or 8" thickness
☐ 2x4 Treated Lumber
☐ Asphalt Shingles

⚠️ Leveling higher than 16" (40,3 cm) not recommended.

CONCRETE

- If you are building your shed on a concrete foundation see the following page.
CONCRETE FOUNDATION

Your kit contains all materials to construct a wooden floor. If you choose to install your kit on a concrete slab refer to the diagram below.

![Diagram of concrete foundation]

**NOTES**

- A treated 2 x 4" (5,1 x 10,2 cm) sill plate is required when installing your shed on concrete. **Hint: Use treated lumber in your kit or purchase full length treated lumber.**

- Use a high quality exterior grade caulk beneath all sill plates.

- Fasten 2 x 4" (5,1 x 10,2 cm) sill plates to slab using approved concrete anchors (**fasteners not included**).

- Check local code for concrete foundation requirements.

---

**Building Size** | **Actual Size** | **A** | **B** | **C**
---|---|---|---|---
10' x 8' (304.8 x 243,8 cm) | 116-1/2" x 96" (295,9 x 243,8 cm) | 116-1/2" (295,9 cm) | 89" (226,1 cm) | 96" (243,8 cm)

Requirements:

- x2 2" x 4" x 10' (5,1 x 10,2 x 304,8 cm) **MUST be treated lumber.**
- x2 2" x 4" x 8' (5,1 x 10,2 x 243,8 cm) **MUST be treated lumber.**
- x1 Caulk

⚠️ Allow new concrete slabs to cure for at least seven (7) days.

---

10
LEVEL AND SQUARE FLOOR FRAME

Before attaching floor decking, it is important to level and square the floor frame. A level and square floor frame is required to correctly construct your shed.

BEGIN

1. See page 9 for the preferred floor leveling method.

2. Use level and check the frame is level before applying floor panels.

3. Check for frame squareness by measuring diagonally across corners. If the measurements are the same, the frame is square. The diagonal measurement will be approximately 151" (383.5 cm).

4. When the frame is level and square secure one side of frame to the 4x4 runners using one fastener at ends of each runner. Move to the opposite end of the frame. Secure the frame to 4x4 runners with one fastener at ends of each runner making sure the frame remains square (Fig. A).

FINISH

5. Once the floor frame is level and square fasten the frame to at each point the frame contacts the 4x4 runners.

Fig. A
FLOOR FRAME

PARTS REQUIRED:

x2  (TREATED)
2 x 4 x 24" (5.1 x 10.2 x 61 cm)

x6  (TREATED)
2 x 4 x 93" (5.1 x 10.2 x 236.2 cm)

x2  (TREATED)
2 x 4 x 92-1/2" (5.1 x 10.2 x 235 cm)

NOTE: Look for TREATED Stamp

BEGIN

1. Orient parts as shown on flat surface. Measure and mark each dimension from end of boards.

2. Use two 3" (7.6 cm) nails at each mark, and four 3" (7.6 cm) nails at seams as shown.

FINISH

3. You have finished your floor frame. Proceed to level and square frame.

HINT:

For easier nailing stand on frame.
Ensure your floor frame is square by installing one panel and squaring frame.

**BEGIN**

1. Attach the 48 x 96" (121,9 x 243,8 cm) panel with the rough side up (painted-grid lines side) with the 48" (121,9 cm) edge and corner flush to the floor frame (Fig A). Secure panel with two 2" (5,1 cm) nails in the corners.

2. Move to the opposite side. Using the long edge of the panel as a lever, move the panel side-to-side until corner is flush to the floor frame (Fig. B). Secure panel with two 2" (5,1 cm) nails in the corners.

3. Check the floor frame is square by measuring diagonally across the frame corners. If the measurements are the same your floor frame is square. The measurement will be approximately 151" (383,5 cm) (Fig. C).

4. Continue attaching the panel using 2" (5,1 cm) nails 6" (15,2 cm) apart on edges, and 12" (30,5 cm) apart inside panel.
**FLOOR PANELS**

**PARTS REQUIRED:**

<table>
<thead>
<tr>
<th>1</th>
<th>5/8 x 48 x 96&quot; (1,6 x 121,9 x 243,8 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5/8 x 20-1/2 x 96&quot; (1,6 x 52,1 x 243,8 cm)</td>
</tr>
</tbody>
</table>

5. Continue installing panels with rough side up (painted grid lines).
6. Use a chalk line or grid lines on panel for 2" (5,1 cm) nails 6" (15,2 cm) apart on edges, and 12" (30,5 cm) apart inside panels.

**FINISH**

7. You have finished attaching your floor panels.
STOP! Check the floor frame is level after installing floor panels. Re-level if needed.

HINT:

- The floor should be used as a level work surface for wall construction.
- Organize your wall sections during sub-assembly to avoid over-handling of the walls.

Back Wall

Side wall

Side wall

Front wall
**SIDE WALL FRAMES**

**PARTS REQUIRED:**

- **UM**
  - 10 units
  - 2 x 4 x 68" (5.1 x 10.2 x 172.7 cm)

- **TP**
  - 4 units
  - 2 x 4 x 96" (5.1 x 10.2 x 243.8 cm)

---

⚠️ You will assemble two side walls the same.

1. Orient parts on floor as shown.
2. Secure using two 3" (7.6 cm) nails at connection.

💡 HINT:
For easier nailing stand on frame.

3. Repeat steps 1-2 to build second side wall frame.
Ensure your wall frame is square by installing one panel and squaring frame.

1. Place panel onto side frame with primed side up as shown.
2. Locate the panel flush with the top plate. Use the gauge block to mark the 3/4" (1.9 cm) measurement on the wall stud.
3. Nail the panel 6" (15.2 cm) apart on edges and 12" (30.5 cm) apart inside panel using 2" (1.9 cm) nails.

For squareness maintain flush along panel edge.

1" (2.5 cm)
1/2" (1.9 cm)
3/4" (1.9 cm)
2" (5.1 cm)
Nails

Primed side up

3/4" GAUGE BLOCK

3/4" GAUGE BLOCK

Fig. A
Flush

48" (121.9 cm)
6" (15.2 cm)
12" (30.5 cm)
**SIDE WALL PANELS**

**PARTS REQUIRED:**

- 3/8 x 48 x 72" (1 x 121.9 x 182.9 cm) x2

**Instructions:**

4. Place panel flush to attached panel with primed side up.

5. Use 2" (5.1 cm) nails 6" (15.2 cm) apart on edges and 12" (30.5 cm) apart inside.

5. Repeat steps 1-4 to build second side wall.

---

**Diagram:**

- Primed side up
- Flush
- 2" (5.1 cm) Nails
BACK WALL FRAME

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>x2</td>
<td>CFA</td>
<td>2 x 4 x 42-3/4&quot; (5.1 x 10.2 x 108.6 cm)</td>
</tr>
<tr>
<td>x2</td>
<td>CDA</td>
<td>2 x 4 x 66-3/4&quot; (5.1 x 10.2 x 169.6 cm)</td>
</tr>
<tr>
<td>x4</td>
<td>UM</td>
<td>2 x 4 x 68&quot; (5.1 x 10.2 x 172.7 cm)</td>
</tr>
</tbody>
</table>

! NOTE: Dimensions are to center of studs.

BEGIN

1. Orient parts on edge on floor as shown. Measure and mark.

2. Attach UM at marks with two 3" (7.6 cm) nails, and four 3" (7.6 cm) nails angled at seams as shown.

HINT: For easier nailing stand on frame.
Ensure your wall frame is square by installing one panel and squaring frame.

3 Place the 46-1/8 x 72" (117,2 x 182,9 cm) panel onto wall frame with primed side up as shown. Use the gauge block to mark the 3/4" (1,9 cm) measurement on the wall stud. Secure panel with two 2" nails in the corners (Fig. A).

4 Move to the opposite end. Using the long edge of the panel as a lever move the panel side-to-side until you have a 3/4" (1,9 cm) measurement on the wall stud. Secure corner with two 2" (5,1 cm) nails (Fig. B).

5 Nail the panel using 2" (5,1 cm) nails 6" (15,2 cm) apart on edges and 12" (30,5 cm) apart inside panel.

For squareness, maintain flush and 3/4" measurement along panel edge.
**BACK WALL**

**PARTS REQUIRED:**

1. 3/8 x 23-7/8 x 72" (1 x 60,6 x 182,9 cm) x1
2. 3/8 x 46-1/8 x 72" (1 x 117,2 x 182,9 cm) x1

**3/4" GAUGE BLOCK**

---

6. Place 23-7/8" (60,6 cm) panel on frame as shown with primed side facing up (Fig. A).

   Nail using 2" (5,1 cm) nails 6" (15,2 cm) apart.

   **For squareness maintain flush along panel edges.**

7. Place 46-1/8" (117,2 cm) panel on frame as shown with primed side facing up.

   Nail using 2" (5,1 cm) nails 6" (15,2 cm) apart on edges and 12" (30,5 cm) apart inside panel.

   **For squareness maintain flush along panel edges.**

8. Carefully flip your back wall over.

---

9. You have finished building your back wall.

**FINISH**
**FRONT WALL FRAME**

**PARTS REQUIRED:**
- **x1 UU**
  - 2 x 4 x 9" (5.1 x 10.2 x 22.9 cm)
- **x1 CHA**
  - 2 x 4 x 29" (5.1 x 10.2 x 73.6 cm)
- **x1 STL**
  - 2 x 4 x 44-1/2" (5.1 x 10.2 x 113 cm)
- **x4 UM**
  - 2 x 4 x 68" (5.1 x 10.2 x 172.7 cm)
- **x1 CGA**
  - 2 x 4 x 80-1/2" (5.1 x 10.2 x 204.5 cm)

**BEGIN**

1. Orient parts on edge on floor as shown. Measure and mark.
2. Attach **UM** at marks with two 3" (7.6 cm) nails, and four 3" (7.6 cm) nails angled at seam as shown.

**FINISH**

3. You have finished building your front wall frame.

**HINT:**
For easier nailing stand on frame.

**Dimensions are to center of studs**

- **CHA**
  - 29" (73.7 cm)
  - 10-1/2" (26.7 cm)
  - 17" (43.2 cm)
- **CGA**
  - 68" (172.7 cm)
  - 3" (7.6 cm) Nails
  - 3" (7.6 cm) Nails
- **UM x4**
  - 8-1/4" (21 cm)
  - 109-1/2" (278.1 cm)
  - 56" (142.2 cm)
  - 10-1/2" (26.7 cm)
- **STL**
  - 18-1/2" (46.7 cm)
  - 15-1/2" (39.4 cm)
  - 109-1/2" (278.1 cm)
  - 56" (142.2 cm)
  - 9" (22.9 cm)
# FRONT WALL

## PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3/8 x 48 x 72&quot; (1 x 121,9 x 182,9 cm)</td>
<td>x1</td>
</tr>
<tr>
<td></td>
<td>3/8 x 12-1/2 x 72&quot; (1 x 31,8 x 182,9 cm)</td>
<td>x1</td>
</tr>
<tr>
<td></td>
<td>2&quot; (5,1 cm)</td>
<td>x76</td>
</tr>
<tr>
<td></td>
<td>3&quot; (7,6 cm)</td>
<td>x2</td>
</tr>
<tr>
<td></td>
<td>2 x 3 x 69&quot; (5,1 x 7,6 x 175,3 cm)</td>
<td>x100</td>
</tr>
</tbody>
</table>

BEGIN

1. Place the 3/8 x 48 x 72" (1 x 121,9 x 182,9 cm) and 3/8 x 12-1/2 x 72" (1 x 31,8 x 182,9 cm) panels onto wall frame as shown with primed sides up.

2. Locate the panels flush on the top plate and studs.

3. Secure panels to frame with 2" (5,1 cm) nails 6" (15,2 cm) apart on edges and 12" (30,5 cm) apart inside panel.

4. Use **OO** as temporary brace to maintain 56" (142,2 cm) dimension using two 3" (7,6 cm) screws.

FINISH

5. **WARNING**: Flip front wall over to install window framing.

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**Notes:**

- Primed side up
- Center
- Maintain door opening measurements
- 3" (7,6 cm) Screws
- Flush
- 1" (2,5 cm)
- 48" (121,9 cm)
- 12-1/2" (21,8 cm)
PARTS REQUIRED:

- x2 CCA
  2 x 4 x 17" (5,1 x 10,2 x 43,2 cm)
- x6
  2" (5,1 cm)
- x8
  3" (7,6 cm)

BEGIN

1. Place CCA on edge flush to window opening

2. Secure to frame using eight 3" (7,6 cm) nails (Fig. A).

3. Flip front wall over and secure panel to window framing using 2" (5,1 cm) nails 6" (15,2 cm) apart.

FINISH

4. Proceed to standing your walls.
BACK / FRONT WALL INSTALLATION

PARTS REQUIRED:

- X2 \( \triangle Y A \)
  - 2 x 4 x 55-3/16\(^{\text{a}}\) (5.1 x 10.2 x 140.2 cm) Rafter

\( x_{18} \) 3\(^{\text{a}}\) (7.6 cm)
\( x_{4} \) 3\(^{\text{a}}\) (7.6 cm)
\( x_{33} \) 2\(^{\text{a}}\) (5.1 cm)

☑ BEGIN

1. Center back wall assembly on the 116-1/2\(^{\text{a}}\) (295.9 cm) floor dimension.

   Assistance required to hold wall upright or use rafter \( \triangle Y A \) as a temporary brace. Secure with two 3\(^{\text{a}}\) (7.6 cm) screws.

2. First, nail lower edge of panel to floor frame using 2\(^{\text{a}}\) (5.1 cm) nails 6\(^{\text{a}}\) (15.2 cm) apart.

   Angle nail to hit floor frame (Fig. A).

3. Secure frame to floor using two 3\(^{\text{a}}\) (7.6 cm) nails between wall studs. Angle nails to hit floor frame (Fig. B).

☑ FINISH

4. You have finished standing your back wall.

⚠️ Repeat steps 1-3 to stand your front wall.

Fig. A

- 2\(^{\text{a}}\) Nails (5.1 cm)
- Angle to hit floor frame.

Fig. B

- 3\(^{\text{a}}\) (7.6 cm) Nails
- Angle to hit floor frame.
It is important to secure the side wall in the following order.

1. Center left side wall on floor, side-to-side.
   Secure the lower side wall corner to the back wall stud with one 1-1/2" (3,8 cm) nail (Fig. A).
2. Ensure the measurement between the panel edges are the same along the entire length. Then secure with one 1-1/2" (3,8 cm) nail in the upper corner (Fig. B).
3. Nail along the panel edge through the panel into the frame using 2" (5,1 cm) nails spaced 6" apart.
   Nail along bottom of panel using 2" (5,1 cm) nails 6" (15,2 cm) apart. Angle nail to hit floor frame (Fig. A).
4. Secure the side wall top plate into the back and front wall frames using two 3" (7,6 cm) screws as shown (Fig. C).
5. Secure frame to floor using two 3" (7,6 cm) nails between wall studs.

You have finished standing your right wall. Repeat Steps 1-4 for opposite wall.
Remove rafter temporary braces.
WALL DOUBLERS

PARTS REQUIRED:

x2 CIA
2 x 6-1/2 x 21-1/4" (5,1 x 16,5 x 54 cm)

x2 CJA
2 x 6-1/2 x 96" (5,1 x 16,5 x 243,8 cm)

BEGIN

1. Place parts flush to inside of front and back top plates (Fig. A) and flush to wall panels (Fig. B) as shown.

FINISH

2. Secure using two 3" (7,6 cm) nails 24" (61 cm) apart and at seams as shown.

You have finished installing your wall doublers.
RAFTERS

PARTS REQUIRED: x2

- 3" (7,6 cm) Rafters x96

- Gusset x8
  6 x 24" (15,2 x 61 cm)

- Rafter x1 CBA
  2 x 4 x 55-3/16" (5,1 x 10,2 x 140,2 cm)

BEGIN

1. Position and square CBA as temporary jig using 3" (7,6 cm) screws as shown.

2. You will build FOUR assemblies.

   Place two rafter halves in the corner of back and side wall and CBA. Rafters contact at peak.

3. Apply glue to rafters where gusset will fit.

4. Secure gusset to rafters using (12) 2" (5,1 cm) Nails as shown.

5. Flip over rafter assembly and repeat STEPS 2-4 to attach second gusset to other side.

6. Repeat STEPS 2-5 to build three additional rafter assemblies. Remove CBA.

FINISH

7. You have finished assembling your rafters.

HINT:

Use floor and walls to help assemble rafters!
RAFTER INSTALLATION

PARTS REQUIRED:

BEGIN

1 Mark doubler to measurements shown. Locate rafters centered on marks as shown.

2 Secure all rafters in position using two 3" (7.6 cm) screws at each connection (Fig. A). Drive screw through top plate into 2x3 (Fig. B).

FINISH

3 You have finished installing your rafters.

Dimensions are from outside of wall panels
Dimensions are to centers of rafters

22-5/8" (57,5 cm) 24" (61 cm) 24" (61 cm) 24" (61 cm) 22-5/8" (57,5 cm)

END VIEW

Truss ends are installed flush with outside of doublers
**GABLES**

**PARTS REQUIRED:**

[Diagram of gable parts]

- 2 x 2
- 2 x 2
- 2 x 2
- 4 x CBA

2 x 4 x 14-13/16" (5.1 x 10.2 x 37.6 cm)

- 1-1/2" (3.8 cm)

**BEGIN**

1. You will assemble two gables. Orient parts flat on floor primed side up as shown.

   Secure center gable panel to two **CBA** using 1-1/2" (3.8 cm) nails as shown.

2. Align left and right gable panels flush to center gable panel and secure using 1-1/2" (3.8 cm) nails as shown.

3. Align top gable panel centered on middle gable panel and secure using 1-1/2" (3.8 cm) nails as shown.

   Measure and mark center gable panel as shown

   Repeat **Steps 1 - 3** to build second gable.

**FINISH**

4. You have finished making your gables.
BEGIN

Center gable assembly on side wall using mark. Gable connectors CBA are flush to top of frame.

 Panels should be flush as shown (Fig. A,B).
Secure panel to top plate using 2" (5,1 cm) nails 6" (15,2 cm) apart.

2 Secure gable connectors to top plate using 3" (7,6 cm) screws at an angle as shown.

Repeat STEPS 1-2 at opposite side.

FINISH

3 You have finished attaching your gable panel assemblies.
GABLE TRIM INSTALLATION

PARTS REQUIRED:

\[ \text{x4 WV} \]
\[ 2 \times 4 \times 56-7/16" (5.1 \times 10.2 \times 143.4 \text{ cm}) \text{ GABLE TRIM} \]

BEGIN

1. Install right-front gable trim WV flush to top of panel with end flush to center mark (Fig. A) as shown.

2. Secure to wall using 1-1/4" (3.2 cm) screws 6" (15.2 cm) apart. Screw through panels into gable trim.

3. Repeat above steps to install right-rear gable trim (Fig. B) as shown.

4. Repeat above steps to secure the left gable trim WV.

FINISH

5. You have finished installing your gable trim.

**Fig. A**

**Flush**

**Mark**

**1-1/4" (3.2 cm) Screws**

**GABLE TRIM WV**

**Flush to top of panel**

**Fig. B**

**Flush**
FASCIA TRIM

PARTS REQUIRED:

| x2   | CT | 1 x 3 x 22" (2.5 x 7.6 x 55.9 cm) |
| x2   | BE | 1 x 3 x 96" (2.5 x 7.6 x 243.8 cm) |

BEGIN

1. Place parts flush to bottom of doubler as shown (Fig. A).
   Secure with 2" (5,1 cm) finish nails 24" (61 cm) apart.

2. Repeat process on opposite side.

FINISH

3. You have finished installing your fascia trim.
Roof panels may cause serious injury until securely fastened.

You must square the roof by attaching one panel first. You will use the panel’s long edge as a lever to bring your roof into square. Commonly known as “racking”.

**BEGIN**

1. Attach the 48 x 96" (121.9 x 243.8 cm) panel with the rough side up (painted-grid lines side) with a 3/4" (1.9 cm) measurement on the rafter (Fig. A) and the panel flush at the peak (Fig. B).

Secure panel with two 2" (5,1 cm) nails in the corners.

2. Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until the top corner is flush to the peak (Fig. C) and there is 9/16" (1.4 cm) measurement to the gable trim (Fig. D).

You may need to move your sidewall to get the 9/16" (1.4 cm) measurement. Secure panel with two 2" (5,1 cm) nails in the corners.
Keep spacing between the center of the rafters at the lower edge of the panel and secure with one 2" (5,1 cm) nail into each rafter (Fig. E).

Move to the top of the panel and keep spacing between the center of the rafters. Secure with one 2" (5,1 cm) nail into each rafter (Fig. E).

Nail the roof panel using 2" (5,1 cm) nails 6" (15 cm) apart on edges and 12" (30,5 cm) apart inside panel.

Attach 8-1/2 x 23-7/8" (21,6 x 60,6 cm) roof panel flush to first panel, flush at peak and with the 9/16" (1,4 cm) measurement (Fig. F, G).

Attach lower roof panels flush to the upper panels and with a 9/16" (1,4 cm) measurement at the gable trim (Fig. G).

Nail the roof panel using two 2" (5,1 cm) nails 6" (15,2 cm) on edges and 12" (30,5 cm) apart inside panels.

Repeat process to attach panels on the opposite side.
DOOR SUPPORT

PARTS REQUIRED:

x1
5/8 x 3 x 96" (1,6 x 7,6 x 244 cm)

BEGIN

1. Use exterior-rated wood glue behind support. Apply to top plate and doubler

2. Position support flush with bottom edge of top plate and side wall frame and attach with 2" (5 cm) nails as shown.

FINISH

3. You have finished your door frame support.

Door opening

Flush

Glue

Flush
Parts required:

- Left Door: x1
- Right Door: x1

**HINT:** Look for 3/8" SPACER attached to doors.

- 2 x 3 x 69" (5.1 x 7.6 x 175.3 cm)
- 1 x 3 x 5" (2.5 x 7.6 x 12.7 cm) Gauge Block for 3/4" (1.9 cm) measurement

**BEGIN**

1. Orient parts as shown on flat surface. **3/8" (1 cm) offset is to top. Look for red (right) and green (left) on hinge board.**

2. Attach temporary supports OO with 3" (7.6 cm) screws in middle and at ends. Tighten securely.

3. Attach temporary supports GAA with two 1-1/4" (3.2 cm) screws as shown. Tighten securely.

**NOTE:** Screw hole will be used later.

**OFFSET 5/8" (1.6 cm)**

**Slight Offset**

**Slight Offset**

**Bottom edges Flush.**

- 3/4" (1.9 cm)
- 3/4" (1.9 cm)
- 3/8" (1 cm)
- 3/8" (1 cm)
- 3/4" (1.9 cm)
- 3/4" (1.9 cm)

**BLACK**

**GREEN**

**RED**

**Tighten screws securely.**

**Screws 1-1/4" (3.2 cm)**

**Screws (4) 3" (7.6 cm)**

**23-1/2" (59.7 cm)**

**23-1/2" (59.7 cm)**

**5/8" OFFSET (1.6 cm)**

**Make sure spacer is attached.**

**3/8" (1 cm)**
PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x</td>
<td>OO</td>
</tr>
<tr>
<td>2 x 3 x 69&quot; (5,1 x 7,6 x 175,3 cm)</td>
<td></td>
</tr>
<tr>
<td>7 x</td>
<td>3&quot; (7,6 cm)</td>
</tr>
<tr>
<td>6 x</td>
<td>2&quot; (5,1 cm)</td>
</tr>
</tbody>
</table>

4 Attach temporary support OO as a ledger board flush under wall panels for doors to rest on, using three 3" (7,6 cm) screws (Fig. A).

5 Measure and mark center of door opening. Center doors on mark as shown (Fig. B). ▶ Check hinge boards are flush under overhang (Fig. C).

6 Screw hinge boards into top plate and floor using 3" (7,6 cm) screws as shown. ▶ Make sure screws go into framing and floor (Fig. D, E).

7 Screw hinge boards into studs using 2" (5,1 cm) screws as shown.

8 You have finished installing your doors.
DOOR TRIM & THRESHOLD

PARTS REQUIRED:

x1

56" (142,2 cm) METAL THRESHOLD

x10

3/4" (1,9 cm) Bagged separately/ special coating

BEGIN

1 Reinforce the door trim using 3/4" (1,9 cm) screws through door panel into trim (Fig. A).

2 Locate screws as shown in Fig. B. Use two screws at seams.

3 Center metal threshold between doors and secure using ten 3/4" (1,9 cm) special coating screws into floor as shown (Fig. C).

FINISH

4 You have finished installing your door trim and threshold.
PARTS REQUIRED:
x1 OO
2 x 3 x 69" (5,1 x 7,6 x 175,3 cm)

BEGIN
1 With left door closed, center a weatherstrip OO vertically on the left door in the door opening (Fig. A). OO will offset the left door 1" (2,5 cm) OUT past the door trim (Fig. B).
2 Secure OO using seven 2" (5,1 cm) screws through outside trim into OO (Fig. B).
3 On right door center OO vertically in door opening (Fig. A). OO will offset the right door 1" (2,5 cm) IN from the door trim (Fig. C).
4 Secure OO using seven 2" (5,1 cm) screws through outside trim into OO (Fig. C).

FINISH
5 You have finished installing your door weatherstrips.
**DOOR HARDWARE**

**PARTS REQUIRED:**

- x2
- x8

1" (2,5 cm)

---

BEGIN

1. Place bolts onto OO in open position with bolt ends 3/8" (1 cm) down from frame. Bolt is open when loop is contacting base (Fig A).

Mark and pre-drill holes for screws.

2. Install bolt with screws supplied and drill 5/16" (0,8 cm) hole deep enough for bolt to slide into.

3. Place bolts onto OO in open position with bolt ends 1/2" (1,3 cm) up from floor. Bolt is open when loop is contacting base (Fig B).

Mark and pre-drill holes for screws.

4. Install bolt with screws supplied and drill 5/16" (0,8 cm) hole deep enough for bolt to slide into.

---

FINISH

8. You have finished installing your barrel bolts.

---

**LOCATE AND PRE-DRILL HOLES TO AVOID SPLITTING WOOD**

**OVER DOOR FRAME**

5/16" (0,8 cm) drill for bolt. 1" (2,5 cm) deep.

3/8" (1 cm) with bolt in open position.

OPEN POSITION spring is loose.

**OVER FLOOR**

5/16" (0,8 cm) drill for bolt. 1" (2,5 cm) deep.

**HINT:** With door closed extend bolt and tap with hammer to leave a mark in wood for drilling.
**BEGIN**

1. Measure and mark location of hole on outside of right door as shown (Fig.A). Pre-drill pilot hole with 1/4" drill.
   Pre-drill through hole with 1/2" drill.

Keep drilled hole square to trim to avoid breaking edge of 2x3".

![Diagram of door hardware installation](image_url)

2. Insert handle in hole and secure using 1-1/2" (3,8 cm) screws.
3. Attach inside handle and secure with set screw as shown.

**FINISH**

4. You have finished installing your T-handle.
BEGIN

1. Level collar ties (JF) on back of center rafters above door, as shown.

   Check collar ties are level and flush to roof panels.

2. Secure collar ties to rafter with three 2" (5,1 cm) nails at each end.

FINISH

3. You have finished installing your collar ties.
**CORNER TRIM**

**PARTS REQUIRED:**

- x8 3/8 x 1-3/4 x 72" (1 x 4.4 x 182.9 cm)

**BEGIN**

1. Place parts under front and back eave trim and under side gable panel cutouts as shown.

2. Secure with 2" (5,1 cm) finish nails 10" (25,4 cm) apart.

**FINISH**

3. Repeat on each corner of shed.

3. You have finished installing your corner trim.

Flush under panel cutout

Flush under eave trim

10" (25,4 cm) apart

2" (5,1 cm) Finish nails

Seam is flush. Caulk seam before painting trim.
PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>x6</td>
<td>FF</td>
<td>19/32 x 2-1/2 x 22-1/2&quot; (1.5 x 6.4 x 63.5 cm)</td>
</tr>
<tr>
<td>x4</td>
<td>KV</td>
<td>19/32 x 2-1/2 x 8&quot; (1.5 x 6.4 x 20 cm)</td>
</tr>
</tbody>
</table>

BEGIN

1. Position parts primed side-down on floor, as shown. You will build two shutters the same.
2. Attach using 1" (2.5 cm) screws as shown.
3. Repeat steps to build your second shutter.

FINISH

4. You have finished building your window shutters. Proceed to install your window.

Primed side down

Kenneth Van Dusen
BEGIN

1 Seal window with high-quality exterior-grade caulk.

2 Attach window using four 1-1/4" (3.2 cm) screws as shown.

3 Mark center of window frame as shown.

HINT: Caulk behind frame near edge before installing.
WINDOW SHUTTERS

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>x2</th>
<th>FA</th>
</tr>
</thead>
<tbody>
<tr>
<td>19/32 x 2-1/2 x 22-5/8&quot; (1.5 x 6.4 x 57.5 cm)</td>
<td></td>
</tr>
</tbody>
</table>

|x12| 2" (5.1 cm) |

|x6| 3/4" (1.9 cm) |

4 Locate one shutter centered on marks as shown.

5 First, attach shutter using a 2" finish nail at "dot". Nail into wall frame inside.

Then, from INSIDE of the shed, use three 3/4" screws to secure the shutter indicated at "X".

Repeat steps to attach shutter on opposite side.

6 Locate FA centered on mark and flush to shutters as shown. Attach using 2" finish nails. Nail into window frame inside.

FINISH

7 You have finished installing your window and shutters.
PARTS REQUIRED:

- Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.

- Use a high quality exterior acrylic latex paint. When painting your building, there are a few key areas that can be easily overlooked that must be painted:
  - Bottom edge of all siding and trim
  - Inside of doors and all 4 edges
  - **Paint under door trim to match shed color.**

  **Note:**
  Prime all un-primed exterior wood before painting.
  (Follow directions provided by manufacturer.)

---

**ROOF FELT**

- NOT INCLUDED -

- Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.

---

**DRIP EDGE**

- NOT INCLUDED -

- Install drip edge over roof felt on gable side and under roof felt on eave side (**Fig. A**).
- Do not use nails on side of drip edge that hangs over side of building.
- Only nail top of drip edge as shown.

---

Snip bottom side of drip edge and bend over to other side of roof.

(Follow directions provided by manufacturer.)
**SHINGLES**
- NOT INCLUDED -

- Follow directions provided by manufacturer and these instructions.

⚠️ Familiarize yourself with a 3-Tab Shingle.

⚠️ NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

✔️ BEGIN

1. Install first starter row upside down and color up with a 1" overhang at back and bottom of roof panel.
   Use (4) nails per shingle.
   Starter row must be straight and level all the way across with lower edge of roof deck.
   NOTE: If you have installed drip edge install shingles flush to drip edge.
2. Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.

3. Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.

4. Continue installing rows of shingles by staggering at front.
5 Continue installing rows of shingles to the peak. At the peak make sure there is a maximum of 5" or less to the rain slot, as shown below. If shingles overlap at ridge cut to peak with a utility knife.

- If more than 5" (12.7 cm) to rain slot you must install another row of shingles.

6 Repeat steps 1 - 6 to shingle the opposite side of your roof. Trim shingles at ridge.

7 Once both sides are shingled you need to trim ends. Strike a chalk line 1" from edge.

8 Using your shingle hooked blade carefully cut shingles along chalk line.

9 You have finished shingling your roof. Proceed to capping the ridge.
SHINGLES - RIDGE CAP

You will finish off the top of the roof with a ridge cap made from shingles.

1 Cut shingles into THREE pieces. Hint: Use cut-off pieces first.

Score shingle, then snap-off angled cut.

2 Install first ridge cap flush to shingles at front, as shown.

1 Nail per side through weather seal.

3 Install second ridge cap 5" back, as shown.

1 Nail per side through weather seal.

Note: • You will need about 24-26 cut pieces.

24 to 26 Pieces

52
4 Continue installing ridge cap to back of roof.

5 Make sure there is 4" (10.2 cm) between the shingle-color and edge of shingles.

6 When you have 4" minimum of shingle color cut one piece to cap your roof.

7 Install flush to shingles.

8 You have finished your ridge cap.
WARRANTY
Backyard Storage Solutions, LLC warrants the following:
1. Every product is warranted from defects in workmanship and manufacturing for one year.
2. All hardware and metal components are warranted for two years.
3. Trim is warranted for 10 years.
4. Waferboard siding and sheathing is warranted for two years.
5. SmartSide™ siding is warranted for 10 years on all Marco series buildings and 15 years on all Premier Series buildings.
6. Timber series buildings’ siding and trim are warranted for 10 years.
7. Solar Shed windows are warranted for 1 year.
8. Cedar lumber is warranted for 15 years.
9. Cedar doors and Cedar Garden Center are warranted for 10 years.
10. Metal roof is warranted for 25 years.

Backyard Storage Solutions, LLC will repair, replace or pay for the affected part. In no event shall Backyard Storage Solutions, LLC pay the cost of labor or installation or any other costs related thereto. All warranties are from date of purchase. If a cash refund is paid on an affected part, it will be prorated from the date of purchase.

CONDITIONS
The warranty is effective only when:
1. The unit has been erected in accordance with the assembly instructions.
2. The unit has been properly shingled and painted or stained and reasonably and regularly maintained thereafter.
3. The failure occurs when the unit is owned by the original purchaser.
4. Backyard Storage Solutions, LLC has received the warranty registration card within thirty (30) days of purchase and notification of the failure in writing within the warranty period specified above.
5. Backyard Storage Solutions, LLC has had reasonable opportunity during the sixty (60) days following receipt of notification to inspect and verify the failure prior to commencement of any repair work.

REQUIREMENTS
Storage Buildings & Playhouses
To validate your warranty, it is necessary to properly maintain your Backyard Storage Solutions, LLC unit; shingle the roof and paint or solid-colored stain the siding using 100% acrylic latex exterior product with a minimum of two (2) coats within thirty (30) days of assembly; caulk above all doors and all horizontal and vertical trim boards; paint and seal all exposed edges, sides and faces of SmartSide™ and waferboard siding to include all exterior walls and all sides and all edges of doors.

Gazebos, Pergolas & Timber Buildings
To validate your warranty, it is necessary to properly maintain your Backyard Storage Solutions, LLC unit. This includes treating all of the exposed cedar and pine surfaces on your gazebo or timber building with an exterior grade wood preservative, an exterior oil-based semi-transparent stain, an acrylic latex exterior paint or an acrylic latex solid color exterior stain within 30 days of assembly and as needed thereafter to maintain your warranty.

Keep vegetation trimmed away from building and make sure siding panels and trim do not come in contact with masonry or cement. The minimum ground clearance for siding must be one half inch (½ inch) from concrete slab or two and one half inches (2 ½”) from the ground when building is erected or constructed on a treated wood floor kit. Water from sprinklers must be kept off unit. In no event will Backyard Storage Solutions, LLC be responsible for any indirect, incidental, consequential or special damages nor for failure(s) that are caused by events, acts or omissions beyond our control including, but not limited to, misuse or improper assembly, improper maintenance (which eventually leads to rot or decay) and acts of God. Backyard Storage Solutions, LLC will not be held responsible for any labor costs incurred to construct your unit. This warranty gives you certain specific rights that vary from state to state.

CLAIM PROCEDURE
To make a claim under this warranty, you can either call 1-888-827-9056 or prepare a letter. Please have ready the information below when you call or include the information when writing:
1. The model and size of the product.
2. A list of the part(s) for which the claim is made.
3. Proof of purchase of the Backyard Storage Solutions, LLC item, as shown on the original invoice.
4. Run code, as listed on the yellow warranty card enclosed in the product package.

Mail the above information to:
Backyard Storage Solutions, LLC
Attn: Customer Service
1000 Ternes
Monroe, MI 48162

*WARRANTY TERMS MAY VARY OUTSIDE THE U.S.A.*

IMPORTANT: This is your warranty certificate.
Please complete and mail your warranty card to properly validate your warranty.