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

USE THIS MANUAL FOR YOUR EXTENDED STATESMAN.
**BEFORE YOU BEGIN**

- **BUILDING RESTRICTIONS AND APPROVALS**
  Be sure to check with 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 12.

- **CHECK ALL PARTS**
  Inventory all parts listed on pages 5 - 9. Contact our Customer Service Team if any parts are missing or damaged.

- **ADDITIONAL MATERIALS**
  You will need additional materials to complete your shed. See pages 3 - 4 for required and optional materials and quantities.

---

**IMPORTANT!**

READ INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING ASSEMBLY.

---

**ASSEMBLY MANUAL**

CLASSIC STATESMAN GABLE 12' x 12' (304.8 x 365.8 cm)

<table>
<thead>
<tr>
<th>BASE MODEL</th>
<th>BUILDING SIZE</th>
<th>ACTUAL FLOOR SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE MODEL</td>
<td>12' x 12' (365.8 x 365.8 cm)</td>
<td>12' x 12' (365.8 x 365.8 cm)</td>
</tr>
<tr>
<td>ADD ONE 12' x 4'</td>
<td>12' x 16' (365.8 x 487.7 cm)</td>
<td>12' x 16' (365.8 x 487.7 cm)</td>
</tr>
<tr>
<td>ADD ONE 12' x 8'</td>
<td>12' x 20' (365.8 x 609.6 cm)</td>
<td>12' x 20' (365.8 x 609.6 cm)</td>
</tr>
<tr>
<td>ADD ONE 12' x 4' AND ONE 12' x 8'</td>
<td>12' x 24' (365.8 x 731.6 cm)</td>
<td>12' x 24' (365.8 x 731.6 cm)</td>
</tr>
</tbody>
</table>

- **CUSTOMER SERVICE**
  Call: 1-800-577-9663  email: customerservice@backyardproductsllc.com
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.)
FOUNDATION OR FLOOR MATERIALS

- This shed does not include any floor or leveling materials.
- See the FLOOR LEVELING section on page 12 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! 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):

12x12'

- ☐ x3 2 x 4 x 12' (5,1 x 10,2 x 365,8 cm) Treated Lumber cut to 2 x 4 x 141" (5,1 x 10,2 x 358,1 cm)
- ☐ x18 3" (7,6 cm) hot-dipped galvanized nails

12x16'

- ☐ x4 2 x 4 x 12' (5,1 x 10,2 x 365,8 cm) Treated Lumber cut to 2 x 4 x 141" (5,1 x 10,2 x 358,1 cm)
- ☐ x36 3" (7,6 cm) hot-dipped galvanized nails

12x20'

- ☐ x5 2 x 4 x 12' (5,1 x 10,2 x 365,8 cm) Treated Lumber cut to 2 x 4 x 141" (5,1 x 10,2 x 358,1 cm)
- ☐ x30 3" (7,6 cm) hot-dipped galvanized nails

12x24'

- ☐ x6 2 x 4 x 12' (5,1 x 10,2 x 365,8 cm) Treated Lumber cut to 2 x 4 x 141" (5,1 x 10,2 x 358,1 cm)
- ☐ x36 3" (7,6 cm) hot-dipped galvanized nails
ADDITIONAL MATERIALS

COMPLETING YOUR SHED
You will need these additional materials:

- **3-TAB SHINGLES (Bundles)**
  - 12x12': 7
  - 12x16': 10
  - 12x20': 12
  - 12x24': 13

- **PAINT FOR SIDING (Gallons)**
  - Use 100% acrylic latex exterior paint.
  - 2½ coats recommended.
  - 12x12': 2
  - 12x16': 3
  - 12x20': 3
  - 12x24': 4

- **1" GALVANIZED ROOFING NAILS**
  - For shingles.
  - 12x12': 2
  - 12x16': 3
  - 12x20': 4
  - 12x24': 5

- **PAINT FOR TRIM**
  - 1 Quart
  - Use 100% acrylic latex exterior paint.

- **WOOD GLUE**
  - Exterior Rated

- **CAULK**
  - 3 Tubes
  - Use acrylic latex exterior caulk that is paintable.

OPTIONAL MATERIALS

- **DRIP EDGE (Feet)**
  - 12x12': 60'
  - 12x16': 70'
  - 12x20': 80'
  - 12x24': 90'

- **#15 ROOFING FELT (Sq ft. to cover)**
  - 12x12': 184'
  - 12x16': 245'
  - 12x20': 306'
  - 12x24': 365'

- **1" GALVANIZED ROOFING NAILS**
  - For roofing felt.
  - 12x12': ¼
  - 12x16': ¼
  - 12x20': ½
  - 12x24': ¾

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

FLOOR PANELS (Not Included)
You will need floor panels and nails to complete your floor.

Floor panel sizes and quantities are shown below.

**NOTE:** Use a minimum of 5/8" (1.6 cm) Oriented Strand Board (OSB)

<table>
<thead>
<tr>
<th>12x12'</th>
<th>12x20'</th>
<th>12x24'</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>x4</strong> 5/8&quot; x 48&quot; x96&quot; (1.6 x 121.9 x 243.8 cm)</td>
<td><strong>x7</strong> 5/8&quot; x 48&quot; x 96&quot; (1.6 x 121.9 x 243.8 cm)</td>
<td><strong>x8</strong> 5/8&quot; x 48&quot; x 96&quot; (1.6 x 121.9 x 243.8 cm)</td>
</tr>
<tr>
<td><strong>x1</strong> 5/8&quot; x 48&quot; x48&quot; (1.6 x 121.9 x 121.9 cm)</td>
<td><strong>x1</strong> 5/8&quot; x 48&quot; x48&quot; (1.6 x 121.9 x 121.9 cm)</td>
<td><strong>x2</strong> 5/8&quot; x 48&quot; x48&quot; (1.6 x 121.9 x 121.9 cm)</td>
</tr>
<tr>
<td><strong>x1</strong> 2&quot; (5,1 cm) 1 lb. of 2&quot; (5,1 cm) Hot Dipped Galvanized Box-Type Nails.</td>
<td><strong>x2</strong> 2&quot; (5,1 cm) 1 lb. of 2&quot; (5,1 cm) Hot Dipped Galvanized Box-Type Nails.</td>
<td><strong>x2</strong> 2&quot; (5,1 cm) 1 lb. of 2&quot; (5,1 cm) Hot Dipped Galvanized Box-Type Nails.</td>
</tr>
<tr>
<td><strong>x6</strong> 5/8&quot; x 48&quot; x96&quot; (1.6 x 121.9 x 243.8 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>x1</strong> 2&quot; (5,1 cm) 1 lb. of 2&quot; (5,1 cm) Hot Dipped Galvanized Box-Type Nails.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>x2</strong> 2&quot; (5,1 cm) 1 lb. of 2&quot; (5,1 cm) Hot Dipped Galvanized Box-Type Nails.</td>
<td></td>
</tr>
</tbody>
</table>
## PARTS IDENTIFICATION AND SIZES

Double letter part identification is stamped on some parts.

- Check these locations for part stamp.

### 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; (3,8 x 6,3 cm)</td>
</tr>
</tbody>
</table>

### GABLE 12' x 12' PARTS LIST

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WALL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>x5</td>
<td>UU</td>
<td>2 x 4 x 9&quot; (5,1 x 10,2 x 22,9 cm)</td>
<td></td>
</tr>
<tr>
<td>x4</td>
<td>AF</td>
<td>2 x 4 x 18-1/8&quot; (5,1 x 10,2 x 46 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>SKA</td>
<td>2 x 4 x 40&quot; (5,1 x 10,2 x 101,6 cm)</td>
<td></td>
</tr>
<tr>
<td>x6</td>
<td>STL</td>
<td>2 x 4 x 44-1/2&quot; (5,1 x 10,2 x 113 cm)</td>
<td></td>
</tr>
<tr>
<td>x5</td>
<td>SP</td>
<td>2 x 4 x 48&quot; (5,1 x 10,2 x 121,9 cm)</td>
<td></td>
</tr>
<tr>
<td>x1</td>
<td>AM</td>
<td>2 x 4 x 67&quot; (5,1 x 10,2 x 170,2 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>UM</td>
<td>2 x 4 x 68&quot; (5,1 x 10,2 x 172,7 cm)</td>
<td></td>
</tr>
<tr>
<td>x23</td>
<td>AI</td>
<td>2 x 4 x 78-1/2&quot; (5,1 x 10,2 x 199,4 cm)</td>
<td></td>
</tr>
<tr>
<td>x6</td>
<td>TJ</td>
<td>2 x 4 x 92-1/2&quot; (5,1 x 10,2 x 235 cm)</td>
<td></td>
</tr>
<tr>
<td>x4</td>
<td>TP</td>
<td>2 x 4 x 96&quot; (5,1 x 10,2 x 243,9 cm)</td>
<td></td>
</tr>
<tr>
<td>RAFTERS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>x12</td>
<td></td>
<td>6 x 24&quot; (15,2 x 61 cm)</td>
<td></td>
</tr>
<tr>
<td>x14</td>
<td>ADA</td>
<td>2 x 4 x 77-15/16&quot; (5,1 x 10,2 x 198 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>TP</td>
<td>2 x 4 x 96&quot; (5,1 x 10,2 x 243,9 cm)</td>
<td></td>
</tr>
<tr>
<td>TRIM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>AS</td>
<td>2 x 6 x 49-1/2&quot; (5,1 x 15,2 x 125,8 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>VX</td>
<td>2 x 6 x 96&quot; (5,1 x 15,3 x 243,9 cm)</td>
<td></td>
</tr>
<tr>
<td>x4</td>
<td></td>
<td>3/8 x 1-3/4 x 81-1/2&quot; (1 x 4,5 x 207 cm)</td>
<td></td>
</tr>
<tr>
<td>x4</td>
<td></td>
<td>3/8 x 1-3/4 x 83-1/2&quot; (1 x 4,5 x 212,1 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>WYR</td>
<td>19/32 x 4 x 85-3/16&quot; (1,51 x 10,2 x 216,4 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>WYL</td>
<td>19/32 x 4 x 85-3/16&quot; (1,51 x 10,2 x 216,4 cm)</td>
<td></td>
</tr>
<tr>
<td>x1</td>
<td>ZJ</td>
<td>5/8 x 3 x 72&quot; (1,6 x 7,6 x 182,9 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>DI</td>
<td>5/8 x 3 x 12&quot; (1,6 x 7,6 x 30,5 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>EU</td>
<td>5/8 x 3 x 17&quot; (1,6 x 7,6 x 43,2 cm)</td>
<td></td>
</tr>
<tr>
<td>x1</td>
<td>GAA</td>
<td>1 x 3 x 5&quot; (2,5 x 7,6 x 12,7 cm)</td>
<td>ONE USED AS A GAUGE BLOCK FOR 3/4&quot; (1,9 cm) MEASUREMENT</td>
</tr>
<tr>
<td>DOOR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>AH</td>
<td>5/8 x 3 x 26-5/8&quot; (1,6 x 7,6 x 67,7 cm)</td>
<td></td>
</tr>
<tr>
<td>x1</td>
<td>AHR</td>
<td>5/8 x 3 x 62&quot; (1,6 x 7,6 x 157,5 cm)</td>
<td></td>
</tr>
<tr>
<td>x1</td>
<td>AHL</td>
<td>5/8 x 3 x 62&quot; (1,6 x 7,6 x 157,5 cm)</td>
<td></td>
</tr>
<tr>
<td>x2</td>
<td>OO</td>
<td>2 x 3 x 69&quot; (5,1 x 7,6 x 175,3 cm)</td>
<td>Finger Jointed</td>
</tr>
</tbody>
</table>
WALL PANEL & DOORS PARTS LIST

- **GABLE PANELS**
  - 3/8 x 23-9/16 x 48" (1 x 59,9 x 121,9 cm) x2
  - 3/8 x 33-1/2 x 48" (1 x 86 x 121,9 cm) x1
  - 3/8 x 33-1/2 x 48" (1 x 86 x 121,9 cm) x2
  - 3/8 x 23-9/16 x 48" (1 x 59,9 x 121,9 cm) x1

- **ROOF PANELS**
  - 48" x 96" (121,9 x 243,8 cm) x2
  - 36-1/2" x 96" (92,7 x 243,8 cm) x2
  - 47-7/8" x 48" (121,6 x 121,9 cm) x2
  - 36-1/2" x 47-7/8" (92,7 x 121,9 cm) x2

- **LOFT PARTS LIST**
  - 2 x 3 x 48" (5,1 x 7,6 x 121,9 cm) x2
  - 2 x 3 x 96" (5,1 x 7,6 x 243,8 cm) x1
  - 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm) x2
  - 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm) x2
  - 23-7/8" x 40-7/8" (60,7 x 103,8 cm) x1
  - 23-7/8" x 96" (60,7 x 243,8 cm) x1

NOTE: Panel parts are not stamped with part identification.

**GABLE PANELS**

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Size</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 x 23-9/16 x 48&quot;</td>
<td>x2</td>
<td>(1 x 59,9 x 121,9 cm)</td>
<td></td>
</tr>
<tr>
<td>3/8 x 33-1/2 x 48&quot;</td>
<td>x1</td>
<td>(1 x 86 x 121,9 cm)</td>
<td></td>
</tr>
<tr>
<td>3/8 x 33-1/2 x 48&quot;</td>
<td>x2</td>
<td>(1 x 86 x 121,9 cm)</td>
<td></td>
</tr>
<tr>
<td>3/8 x 23-9/16 x 48&quot;</td>
<td>x1</td>
<td>(1 x 59,9 x 121,9 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**LOFT PARTS LIST**

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Size</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>NK</td>
<td>x1</td>
<td>2 x 3 x 48&quot;</td>
<td>(5,1 x 7,6 x 121,9 cm)</td>
</tr>
<tr>
<td>PT</td>
<td>x1</td>
<td>2 x 3 x 96&quot;</td>
<td>(5,1 x 7,6 x 243,8 cm)</td>
</tr>
<tr>
<td>SP</td>
<td>x2</td>
<td>2 x 4 x 48&quot;</td>
<td>(5,1 x 10,2 x 121,9 cm)</td>
</tr>
<tr>
<td>TP</td>
<td>x2</td>
<td>2 x 4 x 96&quot;</td>
<td>(5,1 x 10,2 x 243,8 cm)</td>
</tr>
<tr>
<td>Loft panels are 7/16&quot; (1,1 cm) thick.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Roof panels are 7/16" (1,1 cm) thick.
**SHELVING PARTS LIST**

- **AC**
  - 14 units
  - 2 x 3 x 10" (5.1 x 7.6 x 25.4 cm)

- **WJ**
  - 2 units
  - 1 x 4 x 48" (2.5 x 10.2 x 243.9 cm)

- **KP**
  - 2 units
  - 1 x 4 x 96" (2.5 x 10.2 x 243.9 cm)

- **Shelf panels**
  - 2 units
  - 3/8 x 11-1/4 x 96" (1 x 28.6 x 243.9 cm)

**NAIL BOXES (Shown Actual Size)**

- **12x12'**
  - 4 boxes

- **12x16'**
  - 5 boxes

- **12x20'**
  - 5 boxes

- **12x24'**
  - 6 boxes

**FASTENER/HARDWARE BAG (Shown Actual Size)**

- **12x12'**
  - 110 items

- **12x16'**
  - 110 items

- **12x20'**
  - 110 items

- **12x24'**
  - 110 items

**Other HARDWARE (Not Actual Size)**

- **AC**
  - 4 units
  - 3/8 x 3 x 12-1/2" (1 x 7.6 x 32 cm)

- **NAIL BOXES**
  - 1 unit
  - 12 x 12" (30.5 x 30.5 cm)

- **16" x 8"**
  - 2 units
  - 16" x 8" (40.6 x 20.3 cm)

- **1/2"**
  - 2 units
  - 1/2" (1.3 cm)

- **64" Metal Threshold**
  - 1 unit

- **3/4" (1,9 cm)**
  - 1 unit
  - 3/4" (1,9 cm) Special coating / Bagged separately

- **3/8" LOFT HDW. SET:**
  - 2 units
  - 5-1/2" (13.98 cm Hex bolt, 2 flat washers, lock nut)

- **1"**
  - 4 units
  - 1" (2.5 cm)
PARTS IDENTIFICATION AND SIZES

Part identification is stamped on some parts.

RAFTERS

TRIM

WALL PANELS

ROOF PANELS

WOOD SIZE CONVERSION CHART

Nominal Board Size
Actual Size

2" x 4"...........1-1/2" x 3-1/2" (3,8 x 8,9 cm)
1" x 4"...........3/4" x 3-1/2" (1,9 x 8,9 cm)
2" x 3"...........1-1/2" x 2-1/2" (3,8 x 6,3 cm)
1" x 3"...........3/4" x 2-1/2" (3,8 x 6,3 cm)

12x4'

GABLE 12' x 4' EXTENDER KIT PARTS LIST

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

WALL

- x2 SP 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- x4 AI 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)
- x4 TJ 2 x 4 x 94-1/2" (5,1 x 10,2 x 240 cm)
- x1 TP 2 x 4 x 96" (5,1 x 10,2 x 243,9 cm)

RAFTERS

- x4 RSA 6 x 24" (15 x 61 cm)
- x4 ADA 2 x 4 x 77-15/16" (5,1 x 10,2 x 198 cm)

TRIM

- x2 VF 2 x 6 x 48" (5,2 x 15,2 x 121,9 cm)

WALL PANELS

- x2 3/8 x 48 x 84"
  (1 x 121,9 x 213,4 cm)

ROOF PANELS

- x2 7/16 x 47-7/8 x 48"
  (1,1 x 121,6 x 121,9 cm)
- x2 7/16 x 36-1/2 x 47-7/8"
  (1,1 x 92,7 x 121,6 cm)

Roof panels are 7/16" (1,1 cm) thick.
12x8’
GABLE 12’ x 8’ EXTENDER KIT PARTS LIST

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

WALL

- x8 AI 2 x 4 x 78-1/2” (5,1 x 10,2 x 199,4 cm)

- x8 TP 2 x 4 x 96” (5,1 x 10,2 x 243,9 cm)

RAFTERS

- x8 6 x 24” (15,2 x 61 cm)

- x8 ADA 2 x 4 x 77-15/16” (5,1 x 10,2 x 198 cm)

TRIM

- x2 VX 2 x 6 x 96” (5,2 x 15,2 x 243,9 cm)

WALL PANELS

- x4 3/8 x 48 x 84” (1 x 121,9 x 213,4 cm)

ROOF PANELS

- x2 7/16 x 48 x 96” (1,1 x 121,9 x 243,9 cm)

- x2 7/16 x 36-1/2 x 96” (1,1 x 92,71 x 243,9 cm)

Roof panels are 7/16” (1,1 cm) thick.
IF ALL TABS ARE DISPLAYED, FOLLOW ALL INSTRUCTIONS REGARDLESS OF MODEL SIZE.

**GABLE 12' x 12':**
Look for this tab throughout instructions. If tab is not displayed, skip to next page including 12' x 12' tab.

**GABLE 12' x 16':**
Look for this tab throughout instructions. If tab is not displayed, skip to next page including 12' x 16' tab.

**GABLE 12' x 20':**
Look for this tab throughout instructions. If tab is not displayed, skip to next page including 12' x 20' tab.

**GABLE 12' x 24':**
Look for this tab throughout instructions. If tab is not displayed, skip to next page including 12' x 24' tab.

NOTE: GABLE 12' x 12' image shown standard on pages applicable to all sizes.
If you choose to install your kit on a concrete slab refer to the diagram below. Attach the sill plates on the foundation as shown, and continue on to page 12.

![Diagram of concrete foundation]

### Building Size

<table>
<thead>
<tr>
<th>Building Size</th>
<th>Actual Floor Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>12' x 12' (365,8 x 365,8 cm)</td>
<td>12' x 12' (365,8 x 365,8 cm)</td>
<td>144&quot; (365,8 cm)</td>
<td>137&quot; (348 cm)</td>
<td>144&quot; (365,8 cm)</td>
<td>203-5/8&quot; (517,3 cm)</td>
</tr>
<tr>
<td>12' x 16' (365,8 x 487,7 cm)</td>
<td>12' x 16' (365,8 x 487,7 cm)</td>
<td>144&quot; (365,8 cm)</td>
<td>185&quot; (469,9 cm)</td>
<td>192&quot; (487,7 cm)</td>
<td>240&quot; (609,6 cm)</td>
</tr>
<tr>
<td>12' x 20' (365,8 x 609,6 cm)</td>
<td>12' x 20' (365,8 x 609,6 cm)</td>
<td>144&quot; (365,8 cm)</td>
<td>233&quot; (591,9 cm)</td>
<td>240&quot; (609,6 cm)</td>
<td>279-7/8&quot; (710,9 cm)</td>
</tr>
<tr>
<td>12' x 24' (365,8 x 609,6 cm)</td>
<td>12' x 24' (365,8 x 609,6 cm)</td>
<td>144&quot; (365,8 cm)</td>
<td>281&quot; (713,8 cm)</td>
<td>288&quot; (731,6 cm)</td>
<td>322&quot; (817,9 cm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building Size</th>
<th>Actual Floor Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>12' x 12' Building Requires:</td>
<td>x4 2 x 4 x12' (5,1 x 10,2 x 365,8 cm)</td>
<td>x1 Caulk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12' x 16' Building Requires:</td>
<td>x2 2 x 4 x12' (5,1 x 10,2 x 365,8 cm)</td>
<td>x2 2 x 4 x 16' (5,1 x 10,2 x 487,7 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12' x 20' Building Requires:</td>
<td>x2 2 x 4 x12' (5,1 x 10,2 x 365,8 cm)</td>
<td>x2 2 x 4 x 16' (5,1 x 10,2 x 487,7 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12' x 24' Building Requires:</td>
<td>x2 2 x 4 x12' (5,1 x 10,2 x 365,8 cm)</td>
<td>x3 Caulk</td>
<td>x2 2 x 4 x 16' (5,1 x 10,2 x 487,7 cm)</td>
<td>x2 2 x 4 x 8' (5,1 x 10,2 x 244 cm)</td>
<td></td>
</tr>
</tbody>
</table>

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

- A treated 2 x 4" (5,1 x 10,2 cm) sill plate is required when installing your shed on concrete.
- Purchase full length treated lumber, or butt shorter pieces end-to-end and seal seams with caulk.
- 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.
PREFERRED METHOD - 4x4 TREATED RUNNERS (Typical for 12' x 12' Kit)

Runners are generally 12" (30,5 cm) from ends of floor frame and under seams.

Measurements to centers of 4x4's.

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

Fig. B

FLOOR FRAME NOT INCLUDED

MATERIAL REQUIRED

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12' x 12'</td>
<td>x3</td>
<td>4&quot; x 4&quot; x 12' (10,2 x 10,2 x 305 cm) Treated Lumber</td>
</tr>
<tr>
<td>12' x 16'</td>
<td>x3</td>
<td>4&quot; x 4&quot; x 16' (10,2 x 10,2 x 487,7 cm) Treated Lumber</td>
</tr>
<tr>
<td>12' x 20'</td>
<td>x6</td>
<td>4&quot; x 4&quot; x 10' (10,2 x 10,2 x 304,8 cm) Treated Lumber</td>
</tr>
<tr>
<td>12' x 24'</td>
<td>x6</td>
<td>4&quot; x 4&quot; x 12' (10,2 x 10,2 x 305 cm) Treated Lumber</td>
</tr>
</tbody>
</table>

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" from ends of runners and no more than 48" 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" not recommended.
LEVELING & SQUARING A 12 x 12 FLOOR FRAME (Not Included)

- For 12' x 16', Skip to Page 14
- For 12' x 20', Skip to Page 15.
- For 12' x 24', Skip to Page 16.

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 12 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 203-5/8" (517.3 cm).
4. When the frame is level and square, secure one side of frame to 4x4 runners using one fastener at ends of each runner. At 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 at each point the frame contacts the 4x4 runners (Fig. B). Go to page 17.

Runners are generally 12" (30.5 cm) from ends of floor frame and under seams.

First, secure at ends with one fastener.

• 3" Screw angled into 4x4.
• (2) at each point frame and 4x4 touch.

Second, secure at ends with one fastener.

Measurements to centers of 4x4's.
LEVELING & SQUARING A 12 x 16' FLOOR FRAME (Not Included)

STOP! 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 12 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 240" (609,6 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. At 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 at each point the frame contacts the 4x4 runners (Fig. B). Go to page 17.

Runners are generally 12" (30,5 cm) from ends of floor frame and under seams.

First, secure at ends with one fastener.

Second, secure at ends with one fastener.

Fig. A

Fig. B

Measurements to centers of 4x4’s.

• 3" Screws angled into 4x4.
• (2) at each point frame and 4x4 touch.
LEVELING & SQUARING A 12 x 20' FLOOR FRAME (Not Included)

STOP!  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 12 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 279-7/8" (710,9 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. At 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 at each point the frame contacts the 4x4 runners (Fig. B). Go to page 17.

Runners are generally 12" (30,5 cm) from ends of floor frame and under seams.

First, secure at ends with one fastener.

Second, secure at ends with one fastener.

Fig. A

GABLE 12' x 20'

Fig. B

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

Measurements to centers of 4x4's.
LEVELING & SQUARING A 12 x 24' FLOOR FRAME (Not Included)

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 12 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 322" (817,9 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. At 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 at each point the frame contacts the 4x4 runners (Fig. B). Go to page 17.

Runners are generally 12" (30,5 cm) from ends of floor frame and under seams.

First, secure at ends with one fastener.

Second, secure at ends with one fastener.

Fig. A

• 3" Screws angled into 4x4.
• 2 at each point frame and 4x4 touch.

Fig. B

Measurements to centers of 4x4’s.
**IMPORTANT!**

NOTE: GABLE 12' x 12' shown standard throughout manual

STOP! Check the floor frame is level after installing floor panels. Re-level if needed.

• The floor should used as a stable work surface for wall construction.

HINT: • Organize your assembly procedure during the build process to avoid over-handling of the walls.
BACK WALL FRAME

PARTS REQUIRED:

- **x2 SP**: 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- **x7 Al**: 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)
- **x2 TP**: 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

BEGIN

1. Orient parts on edge on floor as shown.

2. Use two 3" nails at each connection (Fig. A) and four 3" nails at seams (Fig. B).
Ensure your wall frame is square by installing one panel and squaring frame.

**BEGIN**

1. Place LEFT panel onto wall frame with primed side up as shown.

   Locate the panel 1-1/2" above the top plate. Use UU as a gauge block for the 1-1/2" top overhang measurement. Use GAA as a gauge block to mark the 3/4" side measurement on the wall stud. Secure panel with two 2" nails in the corners (Fig. A).

2. 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" measurement on the wall stud. Secure corner with two 2" nails (Fig. B).

3. Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.

For squareness maintain 3/4" and 1-1/2" measurement along panel edge.
**BACK WALL PANELS**

**PARTS REQUIRED:**

- **GABLE 12’ x 12’**
  - x2 3/8 x 48 x 84"
    - (1 x 121,9 x 213,4 cm)

- **GABLE 12’ x 16’**
  - x100 2 x 4 x 9"
    - TEMP. SPACER

---

4. Place MIDDLE panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

5. Repeat STEP 4 to secure RIGHT panel.

6. You have finished building your back wall.

For squarness maintain 1-1/2" measurement along panel edge.

To draw panels tight at seams angle nail.

---

GABLE 12’ x 12’

GABLE 12’ x 16’

GABLE 12’ x 20’

GABLE 12’ x 24’
12' x 12' SIDE WALL FRAMES

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Code</th>
<th>Item</th>
<th>Quantity</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>x4</td>
<td>STL</td>
<td>2 x 4 x 44-1/2&quot; (5,1 x 10,2 x 113 cm)</td>
<td></td>
</tr>
<tr>
<td>x4</td>
<td>TJ</td>
<td>2 x 4 x 92-1/2&quot; (5,1 x 10,2 x 235 cm)</td>
<td></td>
</tr>
<tr>
<td>x10</td>
<td>AI</td>
<td>2 x 4 x 78-1/2&quot; (5,1 x 10,2 x 199,4 cm)</td>
<td></td>
</tr>
</tbody>
</table>

3" (7,6 cm)

⚠️ YOU WILL BUILD TWO WALLS EXACTLY THE SAME.

BEGIN

1. Orient parts on edge on floor. Measure and mark from end of boards.

2. Use two 3" nails at each connection (Fig. A) and four 3" nails at seams (Fig. B).

FINISH

3. Repeat process to make second wall. Proceed to attach wall panels.

- FOR 12' x 16', SKIP TO PAGE 24
- FOR 12' x 20', SKIP TO PAGE 27
- FOR 12' x 24', SKIP TO PAGE 30
Ensure your wall frame is square by installing one panel and squaring frame.

\**BEGIN**

1. Place a 48" x 84" panel onto wall frame with primed side up as shown.

   Locate the panel 1-1/2" above the top plate. Use **UU** as a gauge block for the 1-1/2" top overhang measurement. Use **GAA** as a gauge block to mark the 3/4" side measurement on the wall stud. Secure panel with two 2" nails in the corners (Fig. A).

2. 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" measurement on the wall stud. Secure corner with two 2" nails (Fig. B).

3. Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.

\*For squareness maintain 3/4" and 1-1/2" measurement along panel edge.*
**12' x 12' SIDE WALL PANELS**

**PARTS REQUIRED:**

| x4        | 3/8 x 48 x 84" (1 x 121,9 x 213,4 cm) |

---

**4.** Place a 48" x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

**5.** Place next 48" x 84" panel on frame as shown with primed side facing up flush with second panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

**6.** Carefully flip your sidewall over. Repeat STEPS 1-5 to assemble your second side wall.

**FINISH**

**7.** You have finished building both of your side walls. **Proceed to page 33.**

**For squareness maintain 1-1/2" measurement along panel edge.**

To draw panels tight at seams angle nail.

Do not nail in groove.
12' x 16' SIDE WALL FRAMES

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>x14</td>
<td>x4 x 78-1/2&quot; (512 x 203 cm)</td>
</tr>
<tr>
<td>TJ</td>
<td>x8</td>
<td>x4 x 92-1/2&quot; (512 x 235 cm)</td>
</tr>
</tbody>
</table>

⚠️ YOU WILL BUILD TWO WALLS EXACTLY THE SAME.

- **FOR 12’ x 20’, SKIP TO PAGE 27**
- **FOR 12’ x 24’, SKIP TO PAGE 30**

1️⃣ Orient parts on edge on floor. Measure and mark from end of boards.

2️⃣ Use two 3" nails at each connection (Fig. A) and four 3" nails at seams (Fig. B).

3️⃣ Repeat process to make second wall frame. Proceed to attach wall panels.
Ensure your wall frame is square by installing one panel and squaring frame.

1. Place a 48" x 84" panel onto wall frame with primed side up as shown.

   Locate the panel 1-1/2" above the top plate. Use UU as a gauge block for the 1-1/2" top overhang measurement. Use GAA as a gauge block to mark the 3/4" side measurement on the wall stud. Secure panel with two 2" nails in the corners (Fig. A).

2. 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" measurement on the wall stud. Secure corner with two 2" nails (Fig. B).

3. Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.

For squareness maintain 3/4" and 1-1/2" measurement along panel edge.
**12' x 16' SIDE WALL PANELS**

**PARTS REQUIRED:**

<table>
<thead>
<tr>
<th>12' x 16'</th>
<th>x6</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 x 48 x 84&quot; (1 x 121,9 x 213,4 cm)</td>
<td>x270</td>
</tr>
</tbody>
</table>

**2" x 4 x 9"**

**TEMP. SPACER**

4. Place 48" x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

5. Repeat STEP 4 for remaining panels.

6. Carefully flip your sidewall over. Repeat STEPS 1-5 to assemble your second side wall.

7. You have finished building both of your side walls. **Proceed to page 33.**

---

**For squareness maintain 1-1/2" measurement along panel edge.**

To draw panels tight at seams angle nail.

Flush

Primed side UP
12' x 20' SIDE WALL FRAMES

PARTS REQUIRED:

- **TJ** x4
  2 x 4 x 92-1/2" (5.1 x 10.2 x 235 cm)

- **TP** x4
  2 x 4 x 96" (5.1 x 10.2 x 243.9 cm)

- **STL** x4
  2 x 4 x 44-1/2" (5.1 x 10.2 x 113 cm)
  2 x 4 x 78-1/2" (5.1 x 10.2 x 199.4 cm)

- **Al** x18

---

**YOU WILL BUILD TWO WALLS EXACTLY THE SAME.**

- **BEGIN**
  1. Orient parts on edge on floor. Measure and mark from end of boards.
  2. Use two 3" nails at each connection (Fig. A) and four 3" nails at seams (Fig. B).

- **FINISH**
  3. Repeat process to make second wall frame. Proceed to attach wall panels.

---

- **FOR 12' x 24', SKIP TO PAGE 30**

---

- **Fig. A**
  - (2) 3" (7.6 cm) Nails
  - 78-1/2" (199 cm)

- **Fig. B**
  - (4) 3" (7.6 cm) Nails
  - 96" (243.9 cm)

---

- **STL**
  - 44-1/2" (113.1 cm)

- **TP**
  - 92-1/2" (235 cm)

- **TJ**
  - 96" (243.9 cm)
  - 44-1/2" (113.1 cm)
12’ x 20’ SIDE WALL PANELS

**PARTS REQUIRED:**

- GAA: 3/8” x 48” x 84” (1 x 121.9 x 213.4 cm)
- UU: 3/4” 2 x 4 x 9”

**GABLE BLOCK**

**TEMP. SPACER**

---

Ensure your wall frame is square by installing one panel and squaring frame.

**BEGIN**

1. Place a 48” x 84” panel onto wall frame with primed side up as shown.

   Locate the panel 1-1/2” above the top plate. Use a **UU** as a gauge block for the 1-1/2” top overhang measurement. Use **GAA** as a gauge block to mark the 3/4” side measurement on the wall stud. Secure panel with two 2” nails in the corners (Fig. A).

2. 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” measurement on the wall stud. Secure corner with two 2” nails (Fig. B).

3. Nail the panel using 2” nails 6” apart on edges and 12” apart inside panel.

---

For squareness maintain 3/4” and 1-1/2” measurement along panel edge.

---

BEGIN HERE
12' x 20' SIDE WALL PANELS

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>x8</th>
<th>3/8 x 48 x 84&quot; (1 x 121.9 x 213.4 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 x 4 x 9&quot; 2&quot; (5.1 cm)</td>
</tr>
</tbody>
</table>

4. Place 48" x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

5. Repeat STEP 4 for remaining panels.

6. Carefully flip your sidewall over. Repeat STEPS 1-5 to assemble your second side wall.

7. You have finished building both of your side walls. Proceed to page 33.

For squareness maintain 1-1/2" measurement along panel edge.

To draw panels tight at seams angle nail.

Primed side UP

TEMP. SPACER
## 12' x 24' Side Wall Frames

### Parts Required:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>x4</td>
<td>TP</td>
<td>2 x 4 x 96&quot; (5,1 x 10,2 x 243,9 cm)</td>
</tr>
<tr>
<td>x8</td>
<td>TJ</td>
<td>2 x 4 x 92-1/2&quot; (5,1 x 10,2 x 235 cm)</td>
</tr>
<tr>
<td>x22</td>
<td>AI</td>
<td>2 x 4 x 78-1/2&quot; (5,1 x 10,2 x 199,4 cm)</td>
</tr>
</tbody>
</table>

### Instructions:

**⚠️ You will build two walls exactly the same.**

1. **Begin:** Orient parts on edge on floor. Measure and mark from end of boards.
2. **Use two 3" nails at each connection (Fig. A) and four 3" nails at seams (Fig. B).**
3. **Finish:** Repeat process to make second wall frame. Proceed to attach wall panels.

---

**Fig. A**

![Image](image1.png)

**Fig. B**

![Image](image2.png)

---

**HINT:**

- Use two /g22/g5/g3/g11/g26/g15/g25/g3/g70/g,0/g12
- Nails
- /g11/g21/g12/g3/g22/g5/g3/g11/g26/g15/g25/g3/g70/g,0/g12/g3
- Nails
- 20-1/2" (52,1 cm)
- 78-1/2" (199 cm)
- 116-1/2" (296,9 cm)
12' x 24' SIDE WALL PANELS

PARTS REQUIRED:

- 3/8 x 48 x 84" (1 x 121.9 x 213.4 cm)
- 2 x 4 x 9"
- 2" (5.1 cm)
- 3/4"

GAGE BLOCK
TEMP. SPACER

⚠️ Ensure your wall frame is square by installing one panel and squaring frame.

**BEGIN**

1. Place a 48" x 84" panel onto wall frame with primed side up as shown.

   Locate the panel 1-1/2" above the top plate. Use **UU** as a gauge block for the 1-1/2" top overhang measurement. Use **GAA** as a gauge block to mark the 3/4" side measurement on the wall stud. Secure panel with two 2" nails in the corners (Fig. A).

2. 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" measurement on the wall stud. Secure corner with two 2" nails (Fig. B).

3. Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.

⚠️ For squareness maintain 3/4" and 1-1/2" measurement along panel edge.
**12' x 24' SIDE WALL PANELS**

**PARTS REQUIRED:**

| x10 | 3/8 x 48 x 84" (1 x 121,9 x 213,4 cm) |

4 Place 48" x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

5 Repeat STEP 4 for remaining panels.

6 Carefully flip your sidewall over. Repeat STEPS 1-5 to assemble your second side wall.

7 You have finished building both of your side walls. Proceed to page 33.

---

**For squareness maintain 1-1/2" measurement along panel edge.**

To draw panels tight at seams angle nail.

---

**Primed side UP**

**TEMP. SPACER**

**2" (5,1 cm)**
FRONT WALL FRAME (Door Header)

PARTS REQUIRED:

x5 **UU**
- 2 x 4 x 9" (5,1 x 10,2 x 22,9 cm)

x1 **AM**
- 2 x 4 x 67" (5,1 x 10,2 x 170,2 cm)

BEGIN

1. Orient parts on edge on floor as shown.

2. Nail using two 3" nails at each connection.

FINISH

3. Proceed to assembling front wall frame.

**HINT:**

Proceed to assembling front wall frame.
FRONT WALL FRAME

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>x2</td>
<td>SKA</td>
<td>2 x 4 x 40&quot; (5.1 x 10.2 x 101.6 cm)</td>
</tr>
<tr>
<td>x1</td>
<td>SP</td>
<td>2 x 4 x 48&quot; (5.1 x 10.2 x 121.9 cm)</td>
</tr>
<tr>
<td>x24</td>
<td></td>
<td>3&quot; (7.6 cm)</td>
</tr>
<tr>
<td>x6</td>
<td>Al</td>
<td>2 x 4 x 78-1/2&quot; (5.1 x 10.2 x 199.4 cm)</td>
</tr>
<tr>
<td>x1</td>
<td>TP</td>
<td>2 x 4 x 96&quot; (5.1 x 10.2 x 244.9 cm)</td>
</tr>
</tbody>
</table>

BEGIN

1. Orient parts on edge on floor around ladder as shown.

2. Use two 3" nails at each connection (Fig. A).

HINT:

- Dimensions are to center of studs.
- Maintain dimension between studs.
- Build frame around ladder. Do not secure ladder yet.
- (2) 3" (7.6 cm) Nails
3 Secure ladder to frame with 3" nails as shown. Use two 3" nails at each connection (Fig. A) and four 3" nails at seams (Fig. B).
**FRONT WALL FRAME**

**PARTS REQUIRED:**

<table>
<thead>
<tr>
<th>x2</th>
<th>UM</th>
<th>2 x 4 x 68&quot; (5,1 x 10,2 x 172,7 cm)</th>
</tr>
</thead>
</table>

---

4. Orient parts on edge on floor as shown.

5. Secure using 3" nails as shown.

FINISH

6. You have finished your front wall frame.

---

HINT:

(2) 3" (7,6 cm) Nails

**MAINTAIN DIMENSION BETWEEN STUDS.**

64" (162,6 cm)
FRONT WALL PANELS

PARTS REQUIRED:

![Diagram of parts required]

37

BEGIN

1. Place the LEFT panel onto wall frame as shown with primed side up.

2. Use GAA as a gauge block to mark the 3/4" measurement on the wall stud. Locate the panel 1-1/2" from the top plate.

3. Nail panels to frame with two 2" nails 6" apart on edges.

FINISH

4. Proceed to attaching your other front panel.

For squareness maintain 3/4" and 1-1/2" measurement along panel edge.
BEGIN

1. Place the RIGHT panel onto wall frame as shown with primed side up.

2. Use **GAA** as a gauge block to mark the 3/4" measurement on the wall stud. Locate the panel 1-1/2" from the top plate using **UU** as a gauge block.

3. Nail panels to frame with two 2" nails 6" apart on edges.

FINISH

4. Proceed to attaching your wing panels.

**To draw panels tight at seams angle nail.**

**For squareness maintain 3/4" and 1-1/2" measurement along panel edge.**

**3/4" Gauge Block**

**Note:**
- **GABLE 12' x 12'**
- **GABLE 12' x 16'**
- **GABLE 12' x 20'**
- **GABLE 12' x 24'**
FRONT WALL WING PANELS

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TP Temporary Support</td>
<td>2 x 4 x 96&quot; (5,1 x 10,2 x 243,8 cm)</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>3/8 x 23-7/8 x 84&quot; (1 x 60,7 x 213,4 cm)</td>
</tr>
</tbody>
</table>

✓ BEGIN

1. Place wing wall panels onto frame with top of panels flush to previously installed panels.
2. Nail left and right wing wall flush to panel already attached using 2" nails 6" apart.
3. Attach temporary support TP using two 3" screws as shown.

 FINISH

4. You have finished your front wall. Proceed to page 40.

For squareness maintain 1-1/2" measurement along panel edge.

- 1-1/2" (3,8 cm) measurement along panel edge.
- Primed side UP
- Flush
- TP
- 3" Screw
- 3/4" (1,9 cm)
- 64" (162,6 cm)
- 6" (15,2 cm)
- Hint: Use part “TP” (2 x 4 x 96") as a temporary support until wall is installed.
**BACK WALL INSTALLATION**

**PARTS REQUIRED:**

- x12 3" (7,6 cm)
- x27 2" (5,1 cm)
- x2 3" (7,6 cm)

**BEGIN**

1. Center back wall assembly on the 144" (365,8 cm) floor dimension. Ensure 1-1/2" measurement is on top.

2. Use OO as a temporary brace. Secure with two 3" screws.

3. First, nail lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame (Fig. A).

4. Nail back wall bottom plate to floor using twelve 3" nails. (Nail two 3" nails between each stud through bottom plate)

**FINISH**

5. You have finished standing your back wall.

**NOTE:** 12' x 12' Model Shown.
BEGIN

Stand right sidewall on floor.

⚠️ It is important to secure the sidewall in the following order.

1. Center sidewall on floor front to back.
   Nail the lower sidewall corner to the backwall frame with one 2" nail (Fig. A).

2. Be sure the measurement between the sidewall panel edge and the backwall panel is the same along the entire length. Then secure with one 2" nail in the upper corner (Fig. B).
   Nail along the sidewall panel edge into the backwall frame using 2" nails spaced 6" apart.
   Nail along bottom of sidewall panel using 2" nails 6" apart. Angle nail to hit floor frame (Fig. C).

3. Nail down the bottom plate using two 3" nails between the wall studs.
   Secure framing using two 3" screws (Fig. D).
   Remove temporary brace. Repeat process to secure the left sidewall.
FRONT WALL INSTALLATION

PARTS REQUIRED:

\[
\begin{align*}
\text{x8} & \quad 3" \text{ (7,6 cm)} \\
\text{x26} & \quad 2" \text{ (5,1 cm)}
\end{align*}
\]

✓ BEGIN

Stand frontwall on floor.

⚠️ It is important to secure the frontwall in the following order.

1. Center frontwall on floor side-to-side.

Nail the frontwall flush to the floor using 2" nails 6" apart. Angle nails to hit floor frame (Fig. A).

Nail the lower sidewall corner to the frontwall frame with one 2" nail (Fig. B).

2. Be sure the measurement between the sidewall panel edge and the frontwall panel is the same along the entire length. Then secure with one 2" nail in the upper corner (Fig. C).

Nail along the sidewall panel edge into the frontwall frame using 2" nails spaced 6" apart.

3. Secure the frontwall frame using two 3" nails (Fig. D).

Secure framing using two 3" screws (Fig. E).

Repeat process to secure the right side of the frontwall.

Remove part TP temporary brace.
12' x 12' WALL DOUBLERS INSTALLATION

PARTS REQUIRED:

- **SP**: 2 x 4 x 48" (5.1 x 10.2 x 121.9 cm)  
  - 2 pieces

- **STL**: 2 x 4 x 44-1/2" (5.1 x 10.2 x 113 cm)  
  - 2 pieces

- **TJ**: 2 x 4 x 92-1/2" (5.1 x 10.2 x 235 cm)  
  - 2 pieces

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

3" (7.6 cm) Nails

3" (7.6 cm) Screws

**BEGIN**

1. Orient parts on top of wall frames. Measure and mark from end of boards.

2. Secure from top using two 3" nails spaced every 24" (Fig. A).

3. Secure from bottom using four 3" screws at each corner (Fig. B).

**FINISH**

4. You have finished securing the wall doublers.

Ensure all doubler seams are not aligned over seams of wall top plates.
12' x 16' WALL DOUBLERS INSTALLATION

PARTS REQUIRED:

- **SP**
  4 x 2 x 48" (5,1 x 10,2 x 121,9 cm)
- **STL**
  2 x 2 x 44-1/2" (5,1 x 10,2 x 113 cm)
- **TJ**
  2 x 2 x 92-1/2" (5,1 x 10,2 x 235 cm)
- **TP**
  2 x 2 x 96" (5,1 x 10,2 x 243,8 cm)
- **Screws**
  76 x 3" (7,6 cm)
- **Nails**
  16 x 3" (7,6 cm)

BEGIN

1. Orient parts on top of wall frames. Measure and mark from end of boards.
2. Secure from top using two 3" nails spaced every 24" (Fig. A).
3. Secure from bottom using four 3" screws at each corner (Fig. B).

FINISH

4. You have finished securing the wall doublers.

Ensure all doubler seams are not aligned over seams of wall top plates.
12' x 20' WALL DOUBLERS INSTALLATION

**PARTS REQUIRED:**
x2 **TP**
2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
x2 **STL**
2 x 4 x 48-1/2" (5,1 x 10,2 x 113 cm)
x2 **TJ**
2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)
x4 **SP**
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

**FOR 12' x 24', SKIP TO PAGE 46**

**BEGIN**

1. Orient parts on top of wall frames. Measure and mark from end of boards.
2. Secure from top using two 3" nails spaced every 24" (Fig. A).
3. Secure from bottom using four 3" screws at each corner (Fig. B).

**FINISH**

4. You have finished securing the wall doublers.

---

**Fig. A**

Ensure all doubler seams are not aligned over seams of wall top plates.

---

**Fig. B**

3" (7,6) cm Nails

3" (7,6) cm Screws
**12' x 24' WALL DOUBLERS INSTALLATION**

### PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STL</td>
<td>x2</td>
<td>2 x 4 x 44-1/2&quot; (5.1 x 10.2 x 113 cm)</td>
</tr>
<tr>
<td>SP</td>
<td>x4</td>
<td>2 x 4 x 48&quot; (5.1 x 10.2 x 121.9 cm)</td>
</tr>
<tr>
<td>TJ</td>
<td>x2</td>
<td>2 x 4 x 92-1/2&quot; (5.1 x 10.2 x 235 cm)</td>
</tr>
<tr>
<td>TP</td>
<td>x4</td>
<td>2 x 4 x 96&quot; (5.1 x 10.2 x 243.8 cm)</td>
</tr>
</tbody>
</table>

### Instructions:

**BEGIN**

1. Orient parts on top of wall frames. Measure and mark from end of boards.

2. Secure from top using two 3" nails spaced every 24" (Fig. A).

3. Secure from bottom using four 3" screws at each corner (Fig. B).

**FINISH**

4. You have finished securing the wall doublers.

---

*Fig. A*

---

*Fig. B*

---

Ensure all doubler seams are not aligned over seams of wall top plates.
### RAFTERS

<table>
<thead>
<tr>
<th>12x12'</th>
<th>12x16'</th>
<th>12x20'</th>
<th>12x24'</th>
</tr>
</thead>
<tbody>
<tr>
<td>x12</td>
<td>x16</td>
<td>x20</td>
<td>x24</td>
</tr>
<tr>
<td><strong>ADA</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PARTS REQUIRED:**

<table>
<thead>
<tr>
<th>x1</th>
<th>OO</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 24&quot; (15,2 x 61 cm)</td>
<td></td>
</tr>
<tr>
<td>2 x 3 x 69&quot; (5,1 x 7,6 x 175,3 cm)</td>
<td>Temp Support</td>
</tr>
<tr>
<td>2 x 4 x 77-15/16&quot; (5,1 x 10,2 x 198 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**2" (5,1 cm)**

### BEGNI

1. Place two rafter-halves (ADA) in the corner of back and side walls. Rafters contact at peak.

   You will build TWO assemblies with ONE gusset.
   All other assemblies will have TWO gussets, depending on the size of your building.

2. **BEGIN**
   
   **GABLE 12' x 12'**
   
   **GABLE 12' x 16'**
   
   **GABLE 12' x 20'**
   
   **GABLE 12' x 24'**

   Fit base of rafters in corners of back wall.

   Temporary support (OO)

   Contact at peak

3. Apply glue to rafters where gusset will fit.

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

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

   **SET TWO RAFTER ASSEMBLIES ASIDE WITH ONLY ONE GUSSET ATTACHED**

6. Repeat STEPS 1-4 to build additional assembles. Remove OO.

### FINISH

6. You have finished assembling your rafters.
**12' x 12' RAFTER INSTALLATION**

**PARTS REQUIRED:**

- x5 (2) Gusset Preassembled
- x2 (1) Gusset Preassembled

![Diagram of gable with dimensions and instructions]

**BEGIN**

1. Locate rafters directly over the wall studs. Check you have the measurements shown.

2. Secure with two 3" screws angled at each end (Fig. A, B).

**FINISH**

3. You have finished installing your rafters. **Proceed to page 52.**

**DIMENSIONS ARE FROM OUTSIDE OF WALL PANELS.**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24-3/8&quot;</td>
<td>(61,9 cm)</td>
</tr>
<tr>
<td>24&quot;</td>
<td>(61 cm)</td>
</tr>
<tr>
<td>24&quot;</td>
<td>(61 cm)</td>
</tr>
<tr>
<td>24&quot;</td>
<td>(61 cm)</td>
</tr>
<tr>
<td>24&quot;</td>
<td>(61 cm)</td>
</tr>
<tr>
<td>24-3/8&quot;</td>
<td>(61,9 cm)</td>
</tr>
</tbody>
</table>

**DIMENSIONS ARE TO CENTER OF RAFTERS.**

- Rafter with ONE GUSSET facing inward.
- Align over studs.

**Fig. A**

**Fig. B**

**Maintain the measurements between rafters.**
12' x 16' RAFTER INSTALLATION

PARTS REQUIRED:

- 7x (2) Gusset Preassembled
- 2x (1) Gusset Preassembled
- 36x 3" (7.6 cm)

1. **Locate rafters directly over the wall studs.**
   - Check you have the measurements shown.

2. **Secure with two 3" screws angled at each end (Fig. A, B).**

3. **You have finished installing your rafters. Proceed to page 52.**

**DIMENSIONS ARE FROM OUTSIDE OF WALL PANELS.**

**DIMENSIONS ARE TO CENTER OF RAFTERS.**

- 24-3/8" (61.9 cm)
- 24" (61 cm)
- Align over studs.

**Maintain the measurements between rafters.**

- Rafter with ONE GUSSET facing inward.
12' x 20' RAFTER INSTALLATION

PARTS REQUIRED:

x9
(2) Gusset Preassembled

x2
(1) Gusset Preassembled

BEGIN

1. Locate rafters directly over the wall studs. Check you have the measurements shown.
2. Secure with two 3" screws angled at each end (Fig. A, B).

FINISH

3. You have finished installing your rafters. Proceed to page 52.

DIMENSIONS ARE FROM OUTSIDE OF WALL PANELS.

DIMENSIONS ARE TO CENTER OF RAFTERS.

Rafter with ONE GUSSET facing inward.

Align over studs.

Fig. A

Fig. B

Maintain the measurements between rafters.
**12' x 24' RAFTER INSTALLATION**

**PARTS REQUIRED:**

- **x11**
  - (2) Gusset Preassembled
- **x2**
  - (1) Gusset Preassembled

BEGIN

1. Locate rafters directly over the wall studs. Check you have the measurements shown.

2. Secure with two 3" screws angled at each end (Fig. A, B).

FINISH

3. You have finished installing your rafters. Proceed to page 52.

**DIMENSIONS ARE FROM OUTSIDE OF WALL PANELS.**

**DIMENSIONS ARE TO CENTER OF RAFTERS.**

- 24-3/8" (61.9 cm)
- 24" (61 cm)

- 24" (61 cm)
- 24" (61 cm)
- 24" (61 cm)
- 24" (61 cm)
- 24" (61 cm)
- 24" (61 cm)
- 24" (61 cm)
- 24-3/8" (61.9 cm)

**Maintain the measurements between rafters.**
**GABLE PANELS**

**Parts Required:**

- **GABLE 12' x 12':**
  - x4 AF
  - 2 x 4 x 18-1/8" (5.1 x 10.2 x 46 cm)

- **GABLE 12' x 16':**
  - x2

- **GABLE 12' x 20':**
  - x1

- **GABLE 12' x 24':**
  - x1

---

**BEGIN**

1. Place center gable panel on AF primed side up as shown.
2. Mark bottom of center gable panel at center on primed side.
3. Place left panel on AF flush to center gable panel and secure using three 1-1/2" nails.
4. Repeat STEP 3 for right panel.
5. Repeat STEP 1-4 for front gable panels.
**GABLE INSTALLATION**

**PARTS REQUIRED:**

- Pre-assembled

---

6. Center gable assembly on back wall and overlap back wall. Nail using 2" nails 6" apart as shown.

7. Repeat STEP 6 for front gable.

---

8. You have finished installing your gable panels.

---

**BACK GABLE ASSEMBLY**

- 2" (5,1 cm) Nails
- 6" (15,2 cm)
- Flush
- 3" (7,6 cm) Screws

**FRONT GABLE ASSEMBLY**

- 2" (5,1 cm) Nails
- 6" (15,2 cm)
- Flush
- 3" (7,6 cm) Screws
12' X 12' ROOF PANELS

PARTS REQUIRED:

- 7/16 x 48 x 96” (1.1 x 121.9 x 243.8 cm)
- 2” (5.1 cm)
- FOR 12' x 16', SKIP TO PAGE 56
- FOR 12' x 20', SKIP TO PAGE 58
- FOR 12' x 24', SKIP TO PAGE 60

⚠️ Roof panels may cause serious injury until securely fastened.

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

**BEGIN**

1. Attach panel to end of rafter with rough side up (Primed grid-line side) 1/2” (1.3 cm) from edge of trim (Fig. A) and panel flush at peak (Fig. B).

   Secure with two 2" nails at 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 with the peak (Fig. C), and there is 1/2” measurement to the rafter (Fig. D).

   You may need to adjust your back wall gable panel for 1/2" measurement. Secure panel with two 2" nails in the corners.
PARTS REQUIRED:

- **x2** 7/16 x 36-1/2 x 48" (1,1 x 92,7 x 121,9 cm)
- **x2** 7/16 x 36-1/2 x 96" (1,1 x 92,7 x 243,8 cm)
- **x200** 2" (5,1 cm)

3. Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2" 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" nail into each rafter (Fig. E).

   Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

4. Attach the lower roof panel flush to the upper panel, with the 1/2" measurement at the rafter (Fig. G).

   Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

5. Repeat process to attach roof panels on the opposite side. Proceed to page 62.
Roof panels may cause serious injury until securely fastened.

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

**BEGIN**

1. Attach 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" 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).

   Secure panel with two 2" nails in the corners.
Parts Required:

- 7/16 x 47-7/8 x 48" (1.1 x 121.6 x 121.9 cm) x4
- 7/16 x 36-1/2 x 48" (1.1 x 92.7 x 121.9 cm) x2
- 7/16 x 36-1/2 x 96" (1.1 x 92.7 x 243.8 cm)

3. Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2" 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" nail into each rafter (Fig. E).

   Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

4. Attach the two 48 x 48" roof panel flush to the upper panel and roof peak (Fig. F), with a 1/2" measurement at the rafter (Fig. G).

   Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

5. Attach the 36-1/2 x 48" lower roof panel flush to the upper panel (Fig. F), with the 1/2" (1.3 cm) measurement at the rafter (Fig. G).

   Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

6. Attach the two 36-1/2 x 96" lower roof panels flush to the upper panel with the 1/2" (1.3 cm) measurement at the rafter (Fig. G).

   Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

7. Repeat process to attach roof panels on the opposite side.

   Proceed to Page 62.
12' X 20' ROOF PANELS

PARTS REQUIRED:

- GAUGE BLOCK

7/16 x 48 x 96" (1.1 x 121.9 x 243.8 cm)

3/4"

- FOR 12' X 24', SKIP TO PAGE 60

⚠️ Roof panels may cause serious injury until securely fastened.

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

1. **BEGIN**

   Attach 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" 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).

   Secure panel with two 2" nails in the corners.
**12' X 20' ROOF PANELS**

### PARTS REQUIRED:

- **GABLE 12' x 20':**
  - 7/16 x 47-7/8 x 48” OSB (1,1 x 121,6 x 121,9 cm OSB) x2
  - 7/16 x 48 x 96” OSB (1,1 x 121,9 x 243,8 cm OSB) x318

- **12' X 20' ROOF PANELS:**
  - 7/16 x 36-1/2 x 48” OSB (1,1 x 92,7 x 121,9 cm OSB) x4
  - 7/16 x 36-1/2 x 96” OSB (1,1 x 92,7 x 243,8 cm OSB)

### Instructions:

3. Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2” 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” nail into each rafter (Fig. E).

   Nail the roof panel using 2” nails 6" apart on edges and 12" apart inside panel.

4. Attach the 47-7/8 x 48” and 48” x 96” roof panels flush to the upper panel and roof peak, with a 1/2" measurement at the rafter (Fig. G).

   Nail the roof panel using 2” nails 6" apart on edges and 12" apart inside panel.

5. Attach the 36-1/2 x 96" lower roof panels flush (Fig. F) to the upper panels, with the 1/2” (1,3 cm) measurement at the rafter (Fig. G).

   Nail the roof panels using 2” nails 6" apart on edges and 12” apart inside panel.

6. Attach the 36-1/2 x 48" lower roof panel flush to the upper panel, with the 1/2” (1,3 cm) measurement at the rafter (Fig. G).

   Nail the roof panel using 2” nails 6" apart on edges and 12” apart inside panel.

7. **FINISH**

   Repeat process to attach roof panels on the opposite side. **Proceed to Page 62.**
PARTS REQUIRED:

- **x2**
  - 7/16 x 48 x 96" (1.1 x 121.9 x 243.8 cm)

- **3/4" GAUGE BLOCK**

---

Roof panels may cause serious injury until securely fastened.

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

**BEGIN**

1. Attach 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" 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).

   Secure panel with two 2" nails in the corners.
3 Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2" 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" nail into each rafter (Fig. E).

Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

4 Attach the (2) 47-7/8 x 48" and 48 x 96" roof panels flush to the upper panel and roof peak, with a 1/2" measurement at the rafter (Fig. G).

Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

5 Attach the 36-1/2 x 96" lower roof panels flush (Fig. F) to the upper panels, with the 1/2" (1,3 cm) measurement at the rafter (Fig. G).

Nail the roof panels using 2" nails 6" apart on edges and 12" apart inside panel.

6 Attach the 36-1/2 x 48" lower roof panel flush to the upper panel, with the 1/2" (1,3 cm) measurement at the rafter (Fig. G).

Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

7 Repeat process to attach roof panels on the opposite side. Proceed to Page 62.
GABLE TRIM

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>WYR</td>
<td>x2</td>
<td>19/32 x 4 x 85-3/16&quot; (1.51 x 10.2 x 216.4 cm)</td>
<td></td>
</tr>
<tr>
<td>WYL</td>
<td>x2</td>
<td>19/32 x 4 x 85-3/16&quot; (1.51 x 10.2 x 216.4 cm)</td>
<td></td>
</tr>
</tbody>
</table>

BEGINE

1. Install front gable trim WYR and WYL flush to top of panel and flush at peak (Fig. A) as shown.

2. Secure to wall using finish nails 7-1/4" apart.

3. Repeat above steps to secure the back wall gable trim.

FINISH

4. You have finished installing your gable trim.

NOTE: 12' x 12' Model Shown.
12' x 12' EAVE TRIM

PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS</td>
<td>x8</td>
<td>2 x 6 x 49-1/2&quot; (5.1 x 15.2 x 125.7 cm)</td>
</tr>
<tr>
<td>VX</td>
<td>x2</td>
<td>2 x 6 x 96&quot; (5.1 x 15.2 x 243.8 cm)</td>
</tr>
</tbody>
</table>

BEGIN

1. Orient AS between gable trim flush to edge of roof panel (Fig. A).
2. Screw through roof panel into eave side overhang using 1-1/4" screws approximately 7-1/2" apart as shown.
3. Orient VX between AS and gable trim, flush to edge of roof panel.
4. Secure VX and AS with two 3" screws through gable trim at each end.

FINISH

5. Repeat process on opposite side. You have finished your eave trim.

Fig. A

Flush

Screw

1-1/4" (3.2 cm)

VX

AS

1/1/4" (3.2 cm)

Screw

3" (7.6 cm)

7-1/2" (19.1 cm) apart approximately

49 1/2" (125.7 cm)

96" (243.9 cm)

DOOR
12' x 16' EAVE TRIM

PARTS REQUIRED:

- **AS**
  - 2 x 6 x 49-1/2" (5.1 x 15.2 x 125.7 cm) - x8
- **VF**
  - 2 x 6 x 48" (5.1 x 15.2 x 121.9 cm) - x2
- **VX**
  - 2 x 6 x 96" (5.1 x 15.2 x 243.8 cm) - x2

![Diagram of 12' x 16' Eave Trim](image)

- **FOR 12' x 20', SKIP TO PAGE 65**
- **FOR 12' x 24', SKIP TO PAGE 66**

**BEGIN**

1. Orient **VF** flush with gable trim and flush to edge of roof panel (Fig. A).
2. Screw through roof panel into eave side overhang using 1-1/4" screws approximately 7-1/2" apart as shown.
3. Orient **VX** flush with gable trim and flush to edge of roof panel. Repeat step 2 to attach **VX**.
4. Orient **AS** between **VF** and **VX** flush to edge of roof panel. Repeat step 2 to attach **AS**.
5. Secure **VF** and **VX** with two 3" screws through gable trim at each end.

**FINISH**

6. Repeat process on opposite side. You have finished your eave trim.
12' x 20' EAVE TRIM

PARTS REQUIRED:

x8  AS
2 x 6 x 49-1/2" (5,1 x 15,2 x 125,7 cm)

x92 ∨ 1-1/4" (3,2 cm)

x4   VX
2 x 6 x 96" (5,1 x 15,2 x 243,8 cm)

BEGIN

1 Orient VX flush with gable trim and flush to edge of roof panel (Fig. A).

2 Screw through roof panel into eave side overhang using 1-1/4" screws approximately 7-1/2" apart as shown.

3 Orient AS flush with gable trim and flush to edge of roof panel. Repeat step 2 to attach AS.

4 Orient VX between AS and VX flush to edge of roof panel. Repeat step 2 to attach VX.

5 Secure VX and AS with two 3" screws through gable trim at each end.

FINISH

6 Repeat process on opposite side. You have finished your eave trim.

Fig. A

Flush

3" (7,6 cm) Screw

1/1/4" (3,2 cm) Screw

7-1/2" (19,1 cm) apart approximately

96" (243,9 cm)

49 1/2" (125,7 cm)

AS

VX

VX

VX

VX

AS
12' x 24' EAVE TRIM

PARTS REQUIRED:

- **AS**
  - 2 x 6 x 49-1/2" (5.1 x 15.2 x 125.7 cm)
  - x2

- **VF**
  - 2 x 6 x 48" (5.1 x 15.2 x 121.9 cm)
  - x2

- **VX**
  - 2 x 6 x 96" (5.1 x 15.2 x 243.8 cm)
  - x4

**BEGIN**

1. Orient VX flush with gable trim and flush to edge of roof panel (Fig. A).
2. Screw through roof panel into eave side overhang using 1-1/4" screws approximately 7-1/2" apart as shown.
3. Orient AS flush with gable trim and flush to edge of roof panel. Repeat step 2 to attach AS.
4. Orient VF and VX between AS and VX flush to edge of roof panel.
   Repeat step 2 to attach VF and VX.
5. Secure VX and AS with two 3" screws through gable trim at each end.

**FINISH**

6. Repeat process on opposite side. You have finished your eave trim.

**Fig. A**

- 3" (7.6 cm) Screw
- 1/4" (3.2 cm) Screw
- 96" (243.9 cm)
- 48" (121.9 cm)
- 96" (243.9 cm)
- 49 1/2" (125.7 cm)
- 7-1/2" (19.1 cm) apart approximately

Flush
BEGIN

1. Secure 83-1/2" (212,1 cm) corner trim under side eave trim. Attach with 2" nails as shown in (Fig. A).

2. Secure 81-1/2" (207 cm) corner trim flush under gable panel. Attach with finish nails as shown.

3. Repeat on other side.

FINISH

4. Proceed to installing your collar ties.

NOTE: 12' x 12' Model Shown.
PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP</td>
<td>x1</td>
<td>2 x 4 x 96&quot; (5.1 x 10.2 x 243.9 cm)</td>
</tr>
</tbody>
</table>

12' x 12' COLLAR TIE

1. Locate collar tie TP on back of center rafter as shown.
   Check collar tie is level and flush to roof panel.

2. Nail collar tie to the 3rd rafter from the front with three 3" nails at each end.

3. You have finished installing your collar tie.

HINT: For best appearance, install collar tie on back side of rafter.
**12' x 16' COLLAR TIES**

**PARTS REQUIRED:**

| x2 | 2 x 4 x 96" (5.1 x 10.2 x 243.9 cm) |

---

![](image)

**BEGIN**

1. Locate collar tie TP on back of 3rd rafter from the door as shown.
   - Check collar tie is level and flush to roof panel.
2. Nail collar tie to rafter with three 3" nails at each end.
3. Repeat steps 1-2 to attach second collar tie to the fifth rafter from the door.

**FINISH**

4. You have finished installing your collar ties.

**HINT:** For best appearance, install collar tie on back side of rafter.
12' x 20' COLLAR TIES

PARTS REQUIRED:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>x3</td>
<td>TP</td>
</tr>
<tr>
<td>2 x 4 x 96&quot; (5,1 x 10,2 x 243,9 cm)</td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of roof structure with collar ties]

- **FOR 12' x 24', SKIP TO PAGE 71**

**BEGIN**

1. Locate collar tie **TP** on back of 3rd rafter from the door as shown.
   Check collar tie is level and flush to roof panel.

2. Nail collar tie to rafter with three 3" nails at each end.

3. Repeat steps 1-2 to attach collar ties to the fifth and seventh rafter from the door.

**FINISH**

4. You have finished installing your collar ties.

**HINT:** For best appearance, install collar tie on back side of rafter.
12' x 24' COLLAR TIES

PARTS REQUIRED:

x4 TP
2 x 4 x 96" (5,1 x 10,2 x 243,9 cm)

![Diagram of roof structure with collar ties and nails]

**BEGIN**

1. Locate collar tie TP on back of 3rd rafter from the door as shown. Check collar tie is level and flush to roof panel.

2. Nail collar tie to rafter with three 3" nails at each end.

3. Repeat steps 1-2 to attach collar ties to the fifth, eighth and tenth rafter from the door.

**FINISH**

4. You have finished installing your collar ties.

**HINT:** For best appearance, install collar tie on back side of rafter.
LOFT JOIST ASSEMBLY

PARTS REQUIRED:

- **TP (2 x 4 x 96"") (5,1 x 10,2 x 243,8 cm)**
  - x2
- **SP (2 x 4 x 48"") (5,1 x 10,2 x 122 cm)**
  - x2

**BEGIN**

1. Ensure parts TP and SP are aligned perfectly on a flat surface. Spread glue across SP and TP as shown.
2. Assemble joist with 3" (7,6 cm) nails in a staggered pattern.
3. Turn assembled joist over and repeat staggered nail pattern.
4. Support and drill a 7/16" (1,1 cm) hole through each end of each joist (Fig A).

**Fig. A**
**LOFT JOIST INSTALLATION**

**PARTS REQUIRED:**

- **x1 PT**
  
  2 x 3 x 96" (5,1 x 7,6 x 243,8 cm)

- **x1 ZJ**
  
  2 x 3 x 48" (5,1 x 7,6 x 122 cm)

- **x1 LOFT JOIST ASSEMBLY**

**x16**

3" (7,6 cm)

**x2**

5-1/2" (14 cm) Hexbolt, 2 washers and locknut

**BEGIN**

1. Measure, mark and locate ZJ and PT flush to bottom of top plate and secure with 3" (7,6 cm) nails at each backwall stud.

2. Measure, mark and locate joist assembly flush to bottom of top plate and against wall studs 24" (61 cm) from back wall.

3. Clamp or hold joist assembly level against wall studs. Drill through joist with 7/16" (1,1 cm) drill bit.

4. Secure joist assembly with 5-1/2" (14 cm) Hexbolt, flat washers and lock nut (Fig. A).
LOFT PANELS

PARTS REQUIRED:

x1
23-7/8" x 40-7/8" (60,1 x 104 cm)

x1
23-7/8" x 96° (60,1 x 244 cm)

BEGIN
1 Install loft panels centered over loft joists and ledger board. Secure with 2" (5,1 cm) nails 8" (20,3 cm) apart.

NOTE: There will be a gap of approximately 1/2" on either side of installed deck panels.

FINISH
2 You have finished installing your Loft.

Attention:
Load not to exceed 400 lbs (181 kg) evenly distributed across loft.
**SHELF INSTALLATION**

**PARTS REQUIRED:**

- **x14 GABLE 12' x 12'**
  - 3/8 x 8 x 12-1/2" (1 x 20.3 x 31.8 cm)

- **x14 GABLE 12' x 16'**
  - 2 x 3 x 10" (5.1 x 7.6 x 25.4 cm)

- **x84 GABLE 12' x 20'**
  - 2" (5.1 cm)

**BEGIN**

1. Secure AC to shelf panels using three 2" (5.1 cm) nails. Assemble 12 shelf supports as shown; 2 right-side, 12 left-side.

2. Secure shelf supports at shown heights with three 2" (5.1 cm) nails.

**FINISH**

3. Continue shelf installation on page 66.

---

**Flush**

**x2**

**x12**

**Flush**

**Nail**

**Corner Stud**

**Level**

**2" (5.1 cm) Nail**

**Right Shelf Bracket**

---

**Floor**

60-1/2" (153,7 cm)

44-1/2" (113 cm)
SHELF INSTALLATION

PARTS REQUIRED:

|x2 | 7/16 x 11-1/4 x 96" OSB (1,1 x 28,6 x 243,8 cm OSB) |
|x2 | 7/16 x 11-1/4 x 47-7/8" OSB (1,1 x 28,6 x 121,6 cm OSB) |
|x2 | KP 1 x 4 x 96" (2,5 x 10,2 x 243,8 cm) |
|x2 | WJ 1 x 4 x 48" (2,5 x 10,2 x 121,6 cm) |

BEGIN

1. Install shelf panels centered over shelf supports. Secure with two 2" (5,1 cm) nails at each support

2. Secure WJ and KP with two 2" (5,1 cm) nails at each support and three 2" (5,1 cm) nails at seams.

FINISH

3. You have finished installing your shelves.
**DOORS**

**PARTS REQUIRED:**

- **x1** Left Door
- **x1** Right Door
- **x2** [G] 2 x 3 69" (5.1 x 7.6 x 175.3 cm)
- **x1** [GAA] 1 x 3 5" (2.5 x 7.6 x 12.7 cm)

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

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

2. **Attach temporary supports OO with 3" screws in middle and at ends as shown. Tighten securely.**

3. **Attach temporary supports GAA with two 1-1/4" screws as shown. Tighten securely.**

**OFFSET**

- **GREEN**
  - Make sure spacer is attached.
  - 3/8" (1 cm)

- **RED**
  - 3/8" offsets
  - 23-1/2" (59.5 cm)

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

**Bottom edges flush.**

77
**DOORS**

**PARTS REQUIRED:**

- **x1**  
  2 x 3 x 69" (5,1 x 7,6 x 175 cm)  
  3’ (7,6 cm) screws

- **x6**  
  2” (5,1 cm) screws

---

**4**  
Attach temporary support OO as a ledger board flush under wall panels for doors to rest on, using 3” screws (Fig. A).

---

**5**  
Center doors on panel seam as shown (Fig. B).  
⚠️ Check ledger board is still flush under panels.

---

**6**  
Screw hinge boards into wall supports and floor using four 3” screws as shown.  
⚠️ Make sure screws go into framing and floor (Fig. C, D).

---

**7**  
Screw hinge boards into wall supports and floor using six 2” screws as shown.  
⚠️ Make sure screws go into wall framing (Fig. C).

---

**8**  
Remove temporary supports and check doors open properly.

---

**9**  
You have finished installing your doors.

---
**DOOR WEATHERSTRIP**

**PARTS REQUIRED:**

- x2 OO
  - 2 x 3 x 69" (5,1 x 7,6 x 175 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" OUT past the door trim 1" (Fig. B).

2. Secure OO using five 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" IN from the door trim (Fig. C).

4. Secure OO using five 2" (5,1 cm) screws through outside trim into OO (Fig. C).

**FINISH**

5. You have finished installing your door weatherstrips.

---

**Fig. A**

Center OO in door opening.

**Fig. B**

1" (2,5 cm) Overhang

**Fig. C**

1" (2,5 cm) OFFSET

Screws 2" (5,1 cm) x10

Screws 2" (5,1 cm)

Approximately 14" (35,5 cm)
DOORS

PARTS REQUIRED:

- **AH/AHL**  
  19/32 x 3 x 62" @ 22.5" (1.5 x 7.6 x 157.5 cm @ 22.5")  
  **x2**

- **AH**  
  19/32 x 3 x 26 5/8" (1.5 x 7.6 x 67.6 cm)  
  **x2**

- **ZJ**  
  19/32 x 3 x 72" (1.5 x 7.6 x 182.9 cm)  
  **x1**

- ** Screws  
  **x7**

  2" (5.1 cm)

- ** Screws  
  **x66**

  3/4" (1.9 cm)

**BEG IN**

1. Reinforce the door trim using 3/4" (1.9 cm) screws through door panel into trim (Fig. A). Locate screws as shown in Fig. B. Use two screws at seams.

   ![Diagram of door with screws](image)

   - 3/4" (1.9 cm) Screws
   - (2) 3/4" (1.9 cm) Screws

2. Center trim **ZJ** over doors and secure using seven 2" finish nails into framing as shown.

3. Remove 3/8" spacers from doors.

4. Level **AH** and **AHL** as shown and secure from inside with eleven 3/4" (1.9 cm) screws.

**FINISH**

5. You have finished securing your door and trim.
BEGIN

1. Center Door Threshold between door opening.
2. Secure Threshold using eleven 3/4" (1,9 cm) screws.

FINISH

3. You have finished installing your door Threshold.

BEGIN

1. Level decorative hinges in position as shown and secure with 3/4" (1,9 cm) screws.

FINISH

2. You have finished installing your decorative door hinges.
**DOOR HARDWARE**

**PARTS REQUIRED:**

- **x2**
- **x8** (1” (2.5 cm))
- 5/16” (0.8 cm) Drill Bit

**BEGIN**

1. Place upper bolt onto **OO** in open position with bolt end 1/4” 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” hole for bolt to extend into door frame.
3. Place lower bolt onto **OO** in open position with bolt end 1/2” above 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” hole for bolt to extend into floor.

**FINISH**

5. You have finished mounting your door bolts.

---

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

---

**Fig. A**

- **OVER DOOR FRAME**
  - 5/16” drill for bolt: 1” deep.
  - 1/4” with bolt in open position.

- **OPEN POSITION, Spring is loose.**

- **PRE-DRILL (4) HOLES.**

- **Loop contacts base.**

**Fig. B**

- **OPEN POSITION, Spring is loose.**

- **FLOOR**

- **5/16” drill for bolt: 1” deep.**

- **Loop contacts base.**

- **OO**
  - 2 x 3 x 69”
DOOR HARDWARE

PARTS REQUIRED:

x1

1-1/2" (38 mm)
1/4" (0.6 cm)
1/2" (1.3 cm)
Drill Bits

BEGIN

1. Measure and mark position on right door as shown.
2. Pre-drill 1/4" hole at mark. Finish hole with 1/2" drill bit.
3. Position hardware in hole and secure with screws as shown.

FINISH

4. You have finished mounting your door hardware.
**FRONT GABLE WINDOW**

**PARTS REQUIRED:**

<table>
<thead>
<tr>
<th>Material</th>
<th>Quantity</th>
<th>Measurement</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI</td>
<td>x2</td>
<td>5/8 x 3 x 12”</td>
<td>(1,6 x 7,6 x 30,5 cm)</td>
</tr>
<tr>
<td>EU</td>
<td>x2</td>
<td>5/8 x 3 x 17”</td>
<td>(1,6 x 7,6 x 43,2 cm)</td>
</tr>
<tr>
<td></td>
<td>x1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>x8</td>
<td>3/4” (1,9 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>x14</td>
<td>2” (5,1 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**BEGIN**

1. Position window in front gable as shown and secure with 3/4” screws.
2. Seal window with high quality paintable exterior caulk.

**NOTE:**

Caulk seam with high quality paintable exterior caulk before installing trim.

**GABLE 12’ x 12’**

3. Center trim over window. Tack in place with 2” finish nails.
4. Secure trim with 3/4” screws from inside.

**FINISH**

5. You have finished mounting your window.
**BEGIN**

1. Locate and mark for two vents in side walls as shown. One at top and one at bottom.

   Cut out marked openings.

   Caulk behind vent flanges.

2. Secure using 1/2" (1,3 cm) screws

**FINISH**

3. You have finished installing your vents.
**PAINT & CAULK**
- NOT INCLUDED -

- 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

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.

![Diagram of roof felt installation](image)

**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.

![Diagram of drip edge installation](image)

**NOTE: 12' x 12' Model Shown.**
Familiarize yourself with a 3-Tab Shingle.

⚠️ NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

- Follow directions provided by manufacturer and these instructions.

⚠️ 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.
**SHINGLES**
continued...

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" to rain slot you must install another row of shingles.

6. Repeat steps 1 - 7 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.

BEGIN


Score shingle, then snap-off angled cut.

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

Flush

Top of slot.

Weather Seal

Note: • You will need about 28 - 30 cut pieces for 12' x 12' model
38 - 40 cut pieces for 12' x 12' model
48 - 50 cut pieces for 12' x 12' model
57 - 60 cut pieces for 12' x 12' model

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

Flush

FRONT OF SHED

(1) Nail per side through weather seal.
4. Continue installing ridge cap to back of roof.

5. Make sure there is 4" 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.