The Cowboy Barn is designed for the do-it-yourselfer looking to add value and functionality for almost any need. Our incredibly strong, competitively priced and versatile pre-engineered buildings are a top choice for equine buildings. Our goal is to ensure every customer has complete satisfaction that comes from the experience of assembling their Cowboy Barn successfully. If there are any missing or damaged parts, questions about assembly, or simply need technical assistance, please call 888-404-(BARN) 2276 and your questions or concerns will be addressed promptly. Thank you for choosing the Cowboy Barn and start building yours today!

### BUILDING DIMENSIONS

<table>
<thead>
<tr>
<th>Approx. Building Size</th>
<th>Approx. Exterior Dimensions (Roof Edge to Roof Edge)</th>
<th>Approx. Int. Stall Dimensions (Wall to Wall)</th>
<th>Approx. Door Opening</th>
<th>40 lb snow load</th>
<th>110 mph wind speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width 38'  Depth 25'</td>
<td>Height 9'  Width 38' 6&quot;  Depth 27&quot;</td>
<td>Width 12' 6&quot;  Depth 12' 6&quot;</td>
<td>Height 8'  Width 12'</td>
<td>1173.50cm</td>
<td>273.50cm</td>
</tr>
<tr>
<td>11.58m</td>
<td>273.50cm 173.50cm 828cm</td>
<td>383.50cm 386cm</td>
<td>377cm 250.25cm</td>
<td>1173.50cm</td>
<td>273.50cm</td>
</tr>
</tbody>
</table>
NOTE:
Parts and Parts List
- Check parts list with actual parts to verify you have all the necessary parts to start your project.
- Do not discard any of the packaging until you have determined all of the parts and fittings are included.
- A high level of customer care has been taken to ensure complete satisfaction with your purchase. In the unlikely event there are any missing or damaged parts, please call 888-404-BARN (2276).

⚠️ ATTENTION:
Replacement Parts
- Damaged parts may endanger your safety or shorten the life of the product.
- Use only recommended replacement parts manufactured by Universal Structures.
- Incorrect repairs or alterations to parts may endanger your safety and cause injuries.
- In the event a part needs to be replaced, please contact Universal Structures at 888-404-BARN (2276).
- The manufacturer is not liable for damage to the product caused by improper use.

⚠️ ATTENTION:
Safety Precautions
- Safety precautions are important to follow throughout the construction of your building.
- Please wear eye protection, work gloves, long sleeves and durable pants when assembling or performing any maintenance on your barn.
- Keep children and pets away from assembly area to avoid distractions and any accidents which may occur.
- Care must always be considered when handling various pieces of your building since some contain sharp edges.
- Metal parts may get hot when exposed to heat or direct sunlight. Wear protective clothing and gloves to prevent the possibility of burns.

WARNING:
Foundation
- Plan on an open area that is level with good drainage.
- Prior to assembly, a base should be constructed and the anchoring system should be ready to use.
- Allow enough working space around the building to erect and fasten parts into position during assembly.
- Flooring and anchoring your Cowboy Barn must be secured to the ground to prevent wind, load and structural damage.
- A solid base is necessary to erect a square and level building. Anchoring and base materials are included with your building.
- The supplied anchoring kit provides an effective method of securing your building to the ground.

WARNING:
Weather
- Do not attempt to assemble your building on a windy day.
- Wind may blow building material if not secured and cause serious injury.
- Plan ahead and select to install your building on a dry and calm day.
- Avoid assembling building on wet or muddy ground.
WARNING:

Teamwork
- Three or more people is recommended to assemble your building.
- Work as a team and coordinate all activities described in the assembly instructions.
- Pre-plan with your team the tools needed and workmanship level to produce the most desirable results.

WARNING:

Hazardous Materials
- Hazardous, poisonous, flammable or noxious substances should not be stored in the building.
- Follow all warning labels and instructions regarding the manufacturer of any substances stored in your building.
- Provide appropriate warning signage and identification labels in visible areas where substances are stored.

WARNING:

Weight on Roof
- Avoid walking, stepping or crawling on the roof.
- Walking or standing on the structure could cause damage to the sheet metal panels and poses a risk in safety.

WARNING:

Building Codes
- Before beginning construction, read the following safety warnings and assembly instructions in their entirety prior to installation.
- Check local building codes regarding footings, location and other requirements.
- It is the buyer’s sole responsibility to learn the specific building code requirements applicable in the city or county of the state in which this product is being constructed.
- Understanding useful safety tips and maintenance will make your construction more secure from injury and more satisfactory in completion.

NOTE:

Assembly and Installation of Products Acknowledgment
Owner agrees, with respect to all Products, which require assembly and installation, that the Products shall be assembled in strict accordance with the plans and specifications as provided by Universal Structures and by utilizing only structural components manufactured or supplied by Universal Structures. Any deviation from Cowboy Structures plans and specifications must be approved by Universal Structures in advance of assembly in writing. Such approval is at Cowboy Structures sole discretion. All assembly, erection and installation of the Products, together with ancillary work and material required, shall be the responsibility of the Owner, shall be free of any defects and shall comply with the highest applicable standards. All assembly and installation of the Products shall be made in compliance with applicable laws and ordinances, including licensing requirements of all governmental or regulatory bodies, including, but not limited to, all zoning and building codes.
TOOLS AND MATERIALS

NOTE:
Necessary tools to build Cowboy Barn
Below are basic tools and materials you will need for the assembly of your building.

NOTE:
Wall Panel Sheeting
Lumber is NOT provided in the Cowboy Barn building system. You will need to purchase plywood panels. Panel versatility is available for every Cowboy Barn. Panel thicknesses can range from .75" up to 1". The recommended panel thickness is 3/4" to meet the best squareness, out of pocket panel expense, and durability of your building.

Cut list for panels:
- 42 sheets of 48" x 96" for the perimeter of the building.
- 6 sheets of 48" x 89" for the breezeway doors.
- 12 sections of 48" x 46" for the stall fronts - this includes the doors and short walls.
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ASSEMBLY KEY NO.</th>
<th>PART DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>AB1</td>
<td>Wall Side Angle</td>
</tr>
<tr>
<td>108</td>
<td>AB2</td>
<td>Wall/ Door Angle</td>
</tr>
<tr>
<td>8</td>
<td>AB3</td>
<td>Door Side Angle</td>
</tr>
<tr>
<td>8</td>
<td>AB4</td>
<td>Breezeway Door Side Angle</td>
</tr>
<tr>
<td>4</td>
<td>AB5</td>
<td>Double Door Side Angle</td>
</tr>
<tr>
<td>4</td>
<td>AB6</td>
<td>Single Door Angle</td>
</tr>
<tr>
<td>20</td>
<td>AC1</td>
<td>Wedge Anchor Clip</td>
</tr>
<tr>
<td>2</td>
<td>BC1</td>
<td>Wall Side Tube - Left</td>
</tr>
<tr>
<td>2</td>
<td>BC2</td>
<td>Wall Side Tube - Right</td>
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<tr>
<td>2</td>
<td>BD1</td>
<td>Double Door Top Tube</td>
</tr>
<tr>
<td>2</td>
<td>BD2</td>
<td>Single Door Bottom Tube</td>
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<tr>
<td>2</td>
<td>BD3</td>
<td>Double Door Middle Tube</td>
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<td>BD5</td>
<td>Single Door Top Tube</td>
</tr>
<tr>
<td>8</td>
<td>BD6</td>
<td>Breezeway Door Side Tube</td>
</tr>
<tr>
<td>3</td>
<td>BT1</td>
<td>End and Center Truss Bottom Tube</td>
</tr>
<tr>
<td>18</td>
<td>CP1</td>
<td>Cee Purlin</td>
</tr>
<tr>
<td>2</td>
<td>CT2</td>
<td>Center Truss Vertical Tube</td>
</tr>
<tr>
<td>2</td>
<td>CT3</td>
<td>Center Truss Diagonal Tube</td>
</tr>
<tr>
<td>2</td>
<td>CT4</td>
<td>Center Truss Diagonal Tube</td>
</tr>
<tr>
<td>1</td>
<td>CT5</td>
<td>Center Truss Middle Vertical Tube</td>
</tr>
<tr>
<td>16</td>
<td>DH1</td>
<td>Door Trolley</td>
</tr>
<tr>
<td>16</td>
<td>DH2</td>
<td>Door Stop</td>
</tr>
<tr>
<td>2</td>
<td>DH4</td>
<td>Breezeway Door Alignment Tab</td>
</tr>
<tr>
<td>4</td>
<td>DH5</td>
<td>Door Hasp with Snap Chain and Staple</td>
</tr>
<tr>
<td>8</td>
<td>DH6</td>
<td>Breezeway Door Handle</td>
</tr>
<tr>
<td>12</td>
<td>DH7</td>
<td>Door Guide</td>
</tr>
<tr>
<td>2</td>
<td>DH8</td>
<td>Breezeway Door Angle with Hem</td>
</tr>
<tr>
<td>4</td>
<td>DT2</td>
<td>Stall Door Track</td>
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<tr>
<td>4</td>
<td>DT3</td>
<td>Breezeway Door Track</td>
</tr>
<tr>
<td>4</td>
<td>ET2</td>
<td>End Truss Vertical Tube</td>
</tr>
<tr>
<td>4</td>
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<tr>
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<tr>
<td>2</td>
<td>ET5</td>
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</tr>
<tr>
<td>4</td>
<td>GS1</td>
<td>Gable Support Tube</td>
</tr>
<tr>
<td>20</td>
<td>PB1</td>
<td>Left Purlin Clip</td>
</tr>
<tr>
<td>20</td>
<td>PB2</td>
<td>Right Purlin Clip</td>
</tr>
<tr>
<td>6</td>
<td>RG1</td>
<td>Strutting Plate</td>
</tr>
<tr>
<td>4</td>
<td>SD1</td>
<td>Stall Door Top Tube</td>
</tr>
<tr>
<td>4</td>
<td>SD2</td>
<td>Stall Door Left Tube</td>
</tr>
<tr>
<td>4</td>
<td>SD3</td>
<td>Stall Door Bottom Tube</td>
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<tr>
<td>4</td>
<td>SD4</td>
<td>Stall Door Side Tube</td>
</tr>
<tr>
<td>36</td>
<td>SD5</td>
<td>Grill Tube</td>
</tr>
<tr>
<td>12</td>
<td>SD6</td>
<td>Grill Bottom Tube</td>
</tr>
<tr>
<td>4</td>
<td>SF1</td>
<td>Wall Top Tube</td>
</tr>
<tr>
<td>4</td>
<td>SF2</td>
<td>Wall Middle Tube - Right</td>
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### PARTS LIST - CONTINUED

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ASSEMBLY KEY NO.</th>
<th>PART DESCRIPTION</th>
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<tbody>
<tr>
<td>4</td>
<td>SF3</td>
<td>Wall Middle Tube - Left</td>
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<tr>
<td>4</td>
<td>SF4</td>
<td>Wall Bottom Tube</td>
</tr>
<tr>
<td>2</td>
<td>SF6</td>
<td>Wall Side Tube - Center</td>
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<tr>
<td>6</td>
<td>SG1</td>
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<tr>
<td>6</td>
<td>SG2</td>
<td>Side Truss Vertical Tube</td>
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<tr>
<td>6</td>
<td>SG3</td>
<td>Side Truss Vertical Tube</td>
</tr>
<tr>
<td>6</td>
<td>SG4</td>
<td>Gable Vertical Support Tube</td>
</tr>
<tr>
<td>2</td>
<td>TB1</td>
<td>Center Saddle</td>
</tr>
<tr>
<td>2</td>
<td>TB2</td>
<td>End Saddle - Left</td>
</tr>
<tr>
<td>2</td>
<td>TB3</td>
<td>End Saddle - Right</td>
</tr>
<tr>
<td>6</td>
<td>TS1</td>
<td>Truss Top Tube</td>
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<tr>
<td>20</td>
<td>WC1</td>
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<tr>
<td>2</td>
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<tr>
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<td>Wall Top Tube</td>
</tr>
<tr>
<td>14</td>
<td>WR2</td>
<td>Wall Bottom Tube</td>
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</table>

### HARDWARE

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>PART DESCRIPTION</th>
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<tbody>
<tr>
<td>32</td>
<td>Wedge Anchors</td>
</tr>
<tr>
<td>2900</td>
<td>Self Tapping Screws</td>
</tr>
<tr>
<td>220</td>
<td>5/16&quot; Medium Split Lock Washers</td>
</tr>
<tr>
<td>6</td>
<td>104&quot; x 29 Gauge Drip Trim</td>
</tr>
<tr>
<td>8</td>
<td>125&quot; x 29 Gauge Gable L Trim</td>
</tr>
<tr>
<td>16</td>
<td>116&quot; x 29 Gauge &quot;R&quot; Roofing Panel</td>
</tr>
<tr>
<td>16</td>
<td>132&quot; x 29 Gauge &quot;R&quot; Roofing Panel</td>
</tr>
<tr>
<td>14</td>
<td>56&quot; x 29 Gauge &quot;R&quot; Roofing Panel</td>
</tr>
<tr>
<td>3</td>
<td>100&quot; x 29 Gauge 6&quot; with Hem 2/12 Ridge Cap</td>
</tr>
<tr>
<td>440</td>
<td>5/16&quot; USS Flat</td>
</tr>
<tr>
<td>120</td>
<td>5/16&quot; #18 x 3/4&quot; Hex Cap Bolt</td>
</tr>
<tr>
<td>100</td>
<td>5/16&quot; #18 x 2 - 3/4&quot; Hex Cap Bolt</td>
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</table>

### ROOFING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>PART DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>116&quot; X 29 GA PBR Roofing Panel</td>
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<tr>
<td>16</td>
<td>132&quot; x 29 GA PBR Roofing Panel</td>
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<td>14</td>
<td>56&quot; x 29 GA PBR Roofing Panel</td>
</tr>
<tr>
<td>6</td>
<td>104&quot; x 29 GA Drip Trim</td>
</tr>
<tr>
<td>3</td>
<td>100&quot; x 29 GA 6&quot; w/ HEM 2/12 Ridge Cap</td>
</tr>
<tr>
<td>8</td>
<td>125&quot; x 29 GA Gable L Trim (2&quot;x3&quot; w/1/2&quot; Trim)</td>
</tr>
</tbody>
</table>
Building Codes

- Check local building codes regarding footings, location and other requirements.
- It is the buyer's sole responsibility to learn the specific building code requirements applicable in the city or county of the state in which this product is being constructed.

Use a string line to lay out a square foundation using the 3-4-5 method.
FOOTING SCHEDULE

<table>
<thead>
<tr>
<th>FOOTING DESCRIBER</th>
<th>FOOTING SIZE</th>
<th>FOOTING DEPTH</th>
<th>ANCHOR METHOD</th>
<th>CONCRETE DETAIL REFERENCE</th>
<th>CONNECTION DETAIL REFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1'-6&quot; x 1'-6&quot;</td>
<td>1'-6&quot;</td>
<td>(1) 5/8&quot; x 8 Kwik-Il Bolt</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>1'-6&quot; x 1'-6&quot;</td>
<td>1'-6&quot;</td>
<td>(1) 5/8&quot; x 8 Kwik-Il Bolt</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>C</td>
<td>1'-6&quot; x 1'-6&quot;</td>
<td>1'-6&quot;</td>
<td>(1) 5/8&quot; x 8 Kwik-Il Bolt</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

REFERENCES IMAGES

1. FOOTING SECTION
2. ADDITIONAL HOLD DOWN
3. COLUMN TO FOOTING
4. COLUMN TO FOOTING
5. COLUMN TO FOOTING
6. COLUMN TO FOOTING
7. NON-STRUCTURAL CURB
**STEP 1  WALL ASSEMBLY**

**PARTS NEEDED:**
- WR1 (1)
- WC1 (2)
- WR2 (1)
- WC2 (1)

1. Identify the parts needed for the first wall assembly. Use the area outside of the foundation in front of where the wall will go - highlighted illustration to the right. Orient the parts out on the ground as shown below. The backside of the parts should be facing up. The angle that hold the panels should always be on the ground.

2. Place the two WC1 parts into the insert sections of the top and bottom tubes as shown. Using the self tapping screws, fasten the columns to WR1 and WR2. Now, place WC2 into the left end and fasten using screws.

Note - Only attach screws to the top of the tubes.
1. Locate the three parts needed for the first truss assembly of your barn. With the first wall still in place on the ground as shown below, slide SG2 and SG3 parts into the insert sections of the wall. Place SG1, the top tube of the truss, onto the support sections of the truss.

2. Once in place, fasten the top of the truss tube using self tapping screws.
   Note - Again, only attach screws on the top of the tubes until the walls are stood up.
1. The wall assembly parts in this section are also some of the same parts used in the first wall section. The technique is very similar and should be a repeat of Step One. On the ground in front of the foundation where the wall is erected, lay out the parts shown and slide the WC1 column parts into the top and bottom tubes.

2. Using self tapping screws, fasten the top of the columns through the pre-punched holes to the horizontal tubes. Note - Only attach screws on the top of the tubes where the holes are provided.
STEP 3 WALL ASSEMBLY

1. The first and second wall units are ready to be erected and stand to create the first corner of your barn.

2. With additional help, line up the 2nd wall unit to the 1st wall unit. Slide the 2nd wall into the 1st wall, hold in place with your helper and fasten the self tapper screws through the pre-drilled holes on the inside of the corner.

3. Now, the outside of the assembled corner needs to be fastened together using self tapping screws. Start on one end and work your away around sinking the self tapping screws through the holes.

**IMPORTANT**: FASTEN ALL PRE-DRILLED HOLES ON THE OUTSIDE OF CORNER SECTION

---

**TIP 2ND WALL SECTION UP**

**TIP 1ST WALL SECTION UP**
STEP 4 WALL ASSEMBLY

PARTS NEEDED:
WR1 (1)  WC1 (2)
WR2 (1)  WC3 (1)

STALL DIVIDER WALL ASSEMBLY

1. Repeat Step 1 on page 8 and connect WC1 column parts to WR1 and WR2. Slide WC3 end column into the top and bottom tubes. Again, see the illustration below and use the self tapping screws through the pre-punched holes on top of the tube.

2. Repeat Step 1 found on page 8. Locate the three truss parts shown below. Slide SG2 and SG3 into the assembled divider wall. Finally, fasten the truss parts to the wall using self tapping screws.
Note - Only fasten screws on the top of the tubes where the holes are provided.

![Diagram of Stall Divider Wall Assembly]
1. With assistance, erect the stall divider wall and slide into the second wall section.

2. Still using help, hold the stall divider wall in place and fasten to the 2nd wall section.

⚠️ IMPORTANT: FASTEN ALL PRE-DRILLED HOLES ON THE OUTSIDE OF STALL DIVIDER WALL.
1. Repeat Step 2 found on page 10.

2. With assistance, slide the 4th wall section into the stall divider wall and proceed to fastening the two sections together on the inside. Next, use fasteners on the outside of the unit to secure the 4th wall section to the stall divider wall.

**IMPORTANT: FASTEN ALL PRE-DRILLED HOLES ON THE OUTSIDE OF 4th WALL SECTION.**
1. Repeat Step 1 found on pages 5 and 6. NOTE! WC4 THE OPPOSITE VERSION OF WC2 USED IN STEP 1 ON PAGE 7.

2. With assistance, slide the 5th wall section into the 4th wall section and proceed to fastening the two sections together to complete the second corner of your building. Finally, use fasteners on the outside of the corner to secure the 5th wall section to 4th wall section.

3. Congratulations! You have completed the first half of the main wall section of your Cowboy Barn.

**IMPORTANT:** FASTEN ALL PRE-DRILLED HOLES ON THE OUTSIDE OF 5th WALL SECTION.
STEP 7  WALL ASSEMBLY

PARTS NEEDED:
AB1 (2)  AB2 (2)

CORNER PANELS

1. Place 4’ x 8’ panel sheets in the corner of your building using self-tapping screws to hold the angle brace in place.

1. [Diagram of corner panels with AB1 and AB2 parts]

2. [Diagram showing placement of panels]

Page 17
STEP 8  WALL ASSEMBLY

1. REPEAT Steps 1 through 5.

2. Measure the entire footprint of the building to meet the correct size of dimensions provided on Page 1 of your owner's manual. Place 48" x 96" panels inside of corners and use self-tapping screws to fasten for rigidity and squareness.

3. As a safety precaution, use assistance when erecting walls to avoid collapse and injury.
1. Measure the entire footprint of the building to meet the correct size of provided dimensions provided on the Page 1 of your owner’s manual.

2. To achieve the true squareness of your barn, use string line and the referenced 3-4-5 method illustrated below in Step 1.

3. Cross squaring shown in Step 2 below will be equal length when square.
1. Locate the parts listed and connect SF2 and SF3. Line up the parts shown below on the ground and connect the stall front support columns to the top and bottom tubes.

2. Using self tapping screws, fasten the support columns of the stall front to the top and bottom tubes.
1. Locate the parts listed and connect SF5 and SF6.

2. Using self tapping screws, fasten the grill rows of the stall front to the support column tubes.
1. Cap the stall front with BG1 and SF6 columns.

2. Using self tapping screws, fasten columns and 1st stall front is complete.
1. The top section requires connecting support columns SG4 with the addition of truss brackets TB1 and TB2.

2. Attach the support columns SG4 (2) to the truss cord part GS1. Next, attach the truss brackets TB1 and TB2 to the ends of the truss cord tube.

3. Line up the assembled top cord assembly to the main grill frame. Use self tapping screws to fasten the top stall front section.
1. Slide the top stall chord section onto the stall front.

2. Use self tapping screws at the locations shown below.
1. Using self tapping screws, fasten the support columns of the stall front to the top and bottom tubes.
1. REPEAT STEP 7

2. Using self tapping screws, fasten the grill rows of the stall front to the support columns.

PARTS NEEDED:
BC2 (1)  
SD5 (6)  
SD6 (2)
STEP 17  STALL FRONT ASSEMBLY

PARTS NEEDED:
TB3 (1)  GS1(1)
SG4 (2)

2ND STALL FRONT TOP ASSEMBLY

PARTS NEEDED:
TB3 (1)  GS1(1)
SG4 (2)

Self Tapping Screws

Typical 7 Locations
1. Repeat steps 7 through 9.

2. Under careful supervision and using team effort, line up the left section of the stall to the center stall column. With the units still on the ground, use self tapping screws to secure the two units together.
STEP18 STALL FRONT ASSEMBLY

1. The entire stall front now needs to connect to the truss and wall sections. Again, with the assistance of a capable team, erect the stall front and line it up with the ends of the truss and walls.

2. Holding the stall front wall section in place, use self tapping screws to anchor the stall front to the ends of the truss and wall. Final step to the stall front assembly is to fasten the screws to the inside and outside of truss and wall tubes.

IMPORTANT: FASTEN ALL PRE-DRILLED HOLES ON THE INSIDE AND OUTSIDE TUBES OF THE TRUSS AND WALL ENDS.

USE 2 X 2 TUBE BOLTS ON THE TOP TRUSS CONNECTION AT THE BRACKET.

IMPORTANT: FASTEN ALL PRE-DRILLED HOLES ON THE INSIDE OF THE ENTIRE STALL WALL UNIT.
1. Cut panels down to 48" x 46" for the stall fronts.

2. Place AB2 angle bar parts inside of stall doors and use self tapping screws to fasten.
1. Take the bottom truss chord BT1 and place on the ends of the insert tube. This will require you to adjust aisle width to insert BT1 tube.

2. Use 2 x 2 bolts to secure the bottom truss chord to each half of the building.
1. Attach two RG1 plates to truss parts TS1 using 2 x 2 bolts.

2. NOTE: Use Qty 4 - 2 x 2 bolts.

END TRUSS ASSEMBLY

PARTS NEEDED:
TS1 (2)  RG1 (2)
1. Place the shorter tubes in the truss with the angle cut going in first. Use self tapping screws to fasten tubes to truss.

2. NOTE: Line up the bottom end of ET5 on the same plan as the other two ET2 columns and fasten.
1. Attach two RG1 plates to truss parts TS1 using 2 x 2 bolts.
1. Place the shorter tubes in the truss with the angle cut going in first. Use self tapping screws to fasten tubes to truss.

2. NOTE: Line up the bottom end of CT5 on the same plan as the other two CT2 columns and fasten.
1. Take each truss assembly, 2 truss ends and 1 center truss and place them in the stall brackets. This will take some coordination and extra help with alignment and safety.

2. Use the 2 x 2 tube bolts on the connection to the stall front brackets.

3. Use self tapping screws on the three vertical tubes.
1. Add each respective part to the truss using self tapping screws.

2. Start with the center parts as shown in the detail view below.

3. NOTE - There are no pre-drilled holes for the webbing. Simply, press on the webbing and drill through tube holes.
1. Measure the entire footprint of the building to meet the correct size of provided dimensions provided on the Page 1 of your owners manual.

2. To achieve the true squareness of your barn, use string line or chalk line and use the referenced 3-4-5 method illustrated below in Step 1.

3. Cross squaring shown in Step 2 below will be equal length when square.
1. Align purlin clip part PB1 hole with hole on square tube assembly and through bolt and tighten.

2. Add self tapping screw just below bolt.

3. Hang purlin - C Channel on purlin clips. Add (4) bolts and tighten.
1. Additional views for reference of roof truss assembly. NOTE - Bold purlins shown below.

2. Arrange the purlins as shown below. Follow the pattern of flat side on the outside and follow that to the peak for both sides. It's not critical which direction the peak purlin faces.
1. Once the walls are properly aligned and the building is square, drill anchor holes through the pre-drilled wedge anchor clip holes using a hammer drill with a 5/8" concrete bit. Drill 5" to 5 1/2" deep.

2. Clear the hole of all debris, place the wedge anchor through the wedge anchor clip directly into the concrete. Hammer the wedge anchor into the drilled hole. NOTE - Do Not damage the threads on the wedge anchor. Damaged threads will not tighten properly.

3. Tighten the nut by hand until it is "snugged up". Tighten the with a wrench to ensure they are tight to approximately 75-90 foot lbs.
1. Add anchoring brackets below the vertical tubes of the exterior building using self tapping screws to add s.

2. Repeat previous Step 27 of drilling and hammering wedge anchors.
1. From the left corner of the building mark 105" 3/8" in. on the top surface of the bottom truss tube, this measurement is where the end of breezeway door track is attached.

2. Lay the bracket on the top surface of the bottom truss tube and use self tapping screws to fasten. Now, take the same DT3 part and place that at the right end of the first DT3 part. Again use self tapping screws.

**PARTS NEEDED:**
- DT3 (2)
- DH8 (2)

**DH2 - TIGHTEN AFTER STEP35**
1. Identify large arrows below. The end of the track tube lines up flush with the vertical stall front tube. Fasten brackets to horizontal stall tube.

2. Identify small arrows below. Line up door guide brackets flush with door opening and use self tapping screws to fasten. NOTE - Use qty. 4 self tapping screws per door guide.
1. Attach door track trim over breezeway door track.

2. Use self tapping screws at each vertical tube. NOTE - excessive sheet metal can overlap.
1. Align first sheet metal siding with left vertical tube. Align bottom of sheet with the bottom horizontal tube at the top of the wall panel. Attach with self tapping screws in pattern as seen.

2. Align second sheet of metal siding with the first sheet. Align bottom of sheet with the bottom horizontal tube at the top of the wall panel. Attach with self tapping screws in pattern as seen.

3. Repeat above steps from left to right for all sheet metal.

**NOTE:** LEFT SIDING PARTS ARE LABELED L1 THRU L7. START ON OUTSIDE CORNER AND WORK YOUR WAY IN.

**NOTE:** RIGHT SIDING PARTS ARE LABELED R1 THRU R7. CONTINUE WORKING YOUR WAY TOWARDS OTHER CORNER.
1. Align first sheet of metal roofing with the face of the high ribs of the sheet metal siding. Measure 6" out at the bottom of roof sheet from square tube corner. Attach with self tapping screws in same pattern as sheet metal siding. NOTE - Attach only 2 bottom rows of screws as top row is applied after top row of roof sheets is attached.


3. Repeat above steps from right to left for all sheet metal roofing. NOTE - Repeat 6" measurement at next vertical tube to stay square.

⚠️ WALKING ON THE ROOF IS NOT ADVISABLE. IT IS RECOMMENDED TO USE A LADDER AT ALL TIMES DURING PANEL INSTALLATION.
1. Align top row first sheet of metal roofing with the face of the high ribs of the sheet metal siding. Top of sheet will start halfway on center ridge purlin. Attach with self tapping screws in same pattern as sheet metal siding.

1. Repeat above steps from right to left for all sheet metal roofing.

2. Repeat all steps below for second slope side.
1. Align 4" wide sheet metal roof on top of existing roof sheet for edge trim attachment on one side of barn only.

2. Repeat above step for left and right side of roof.
1. Align edge trim starting at the bottom corner with self tapping screws spaced 3’ apart at top and side of sheet metal roofing and siding.

2. Repeat above step for the second piece of edge trim starting at the peak.
1. Align end of ridge cap flush with vertical side of edge trim. Attach with self tapping screws on each side of ridge cap at every high rib of roofing.

2. Evenly space out remaining 2 pieces of ridge cap and attach with self tapping screws on each side of ridge cap at every high rib of roofing.
1. Identify the parts listed and arrange on the ground for assembly. The illustration below shows the back of the door. This is to help identify parts and to properly lift and hang the door effectively.

2. Line up the horizontal tubes including the grill. Use self tapping screws to fasten all of the tube and angle.

**PARTS NEEDED:**
- AB2 (4)  SD3 (1)
- AB3 (2)  SD4 (1)
- SD1 (1)  SD5 (3)
- SD2 (1)  SD6 (1)

**INSIDE OF BREEZEWAY DOOR SHOWN**
1. Attach DH7 door guides. Attach them below the vertical tube of the door opening. NOTE - Use qty. 4 self tapping screws per door guide.

2. Hang the stall door. Remove the left DH2 track stopper and slide the door trolley rollers through the door track. Reattach DH2 track stopper and tighten.

3. Attach DH5 door hasp with chain. Use self tapping screws for all of holes on door hasp.
1. Identify the parts listed and arrange on the ground for assembly. The inside of the breezeway door is shown below and this should be arranged face up on the ground.

2. Similar to the stall door assembly, line up the horizontal tubes into the vertical tube. Screw in the DH1 trolleys and attach the angle bar using self tapping screws.

### Parts Needed:
- AB4 (6)
- AB6 (2)
- AB6 (2)
- BD2 (1)
- BD5 (1)
- BD6 (2)
- DH1 (2)
1. Identify the parts listed and arrange on the ground for assembly. Again, it is recommended to assemble the doors with outside facing down. Inside of breezeway doors shown below.

2. Similar to the stall door assembly, line up the horizontal tubes into the vertical tube. Screw in the DH1 trolleys and attach the angle bar using self tapping screws.

3. This door is much heavier than the previous single doors, so it is recommended to plan ahead and use help when moving and hanging on track.
STEP35  BREEZEWAY DOOR ASSEMBLY

**PARTS NEEDED:**
- DH4 (1)
- DH8 (2)

1. Take DH8 and line it up with tube as shown below. Use self tapping screws to fasten DH8 angle bar to breezeway double door.

2. Place DH4 door guides to the bottom and measure 2.25" from straight edge of guide to the outside of the door tube. Use self tapping screws for fastening to door.
1. Attach DH7 door guides. Attach them below the vertical tube of the door opening. For the single door, place another door guide below on the next tube. Now, for the double door, skip one vertical tube and attach flush at the bottom of the tube.
   NOTE - Use qty. 4 self tapping screws per door guide.

2. This door is much heavier than the previous single doors, so use help when moving and hanging on track.

3. Attach door handle on the right tube of the single doors and left tube of double doors. Use self tapping screws.
CUSTOMIZE YOUR COWBOY BARN WITH TWO OR MORE ADDITIONAL STALLS

ADD MORE STALLS!

6 STALL COWBOY BARN

OTHER PRODUCTS TO ADD:

- CUPOLAS
- FEEDERS
- BLANKET BARS
- SADDLE RACKS
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