

Step 46: Install Gussets Part 2

C: On the right side of the assembly place 2 (6001) Gussets so that they are flush to the (6017) Floor Support. The upper corner of the front (6001) Gusset should be flush to back of the wall boards while the other (6001) Gusset should butt up against the (6006) Back Gusset previously installed. Install (6001) Gussets using 6 (S11) #8 x 2" Wood Screws and 2 (S4) #8 x 3" Wood Screws. (Fig.46.3 & 46.4)

Fig. 46.3
right side

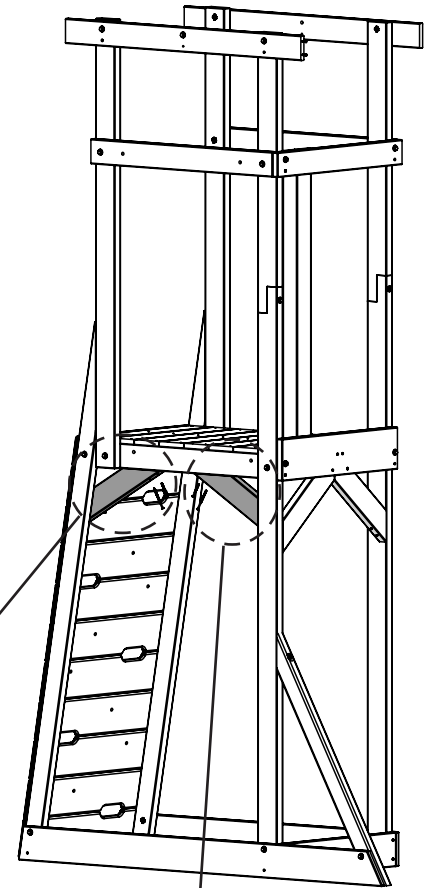
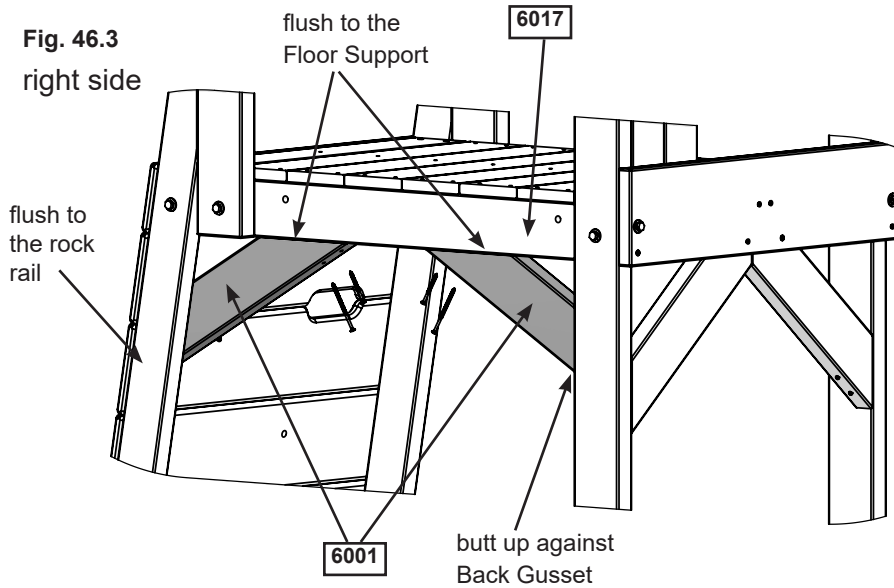
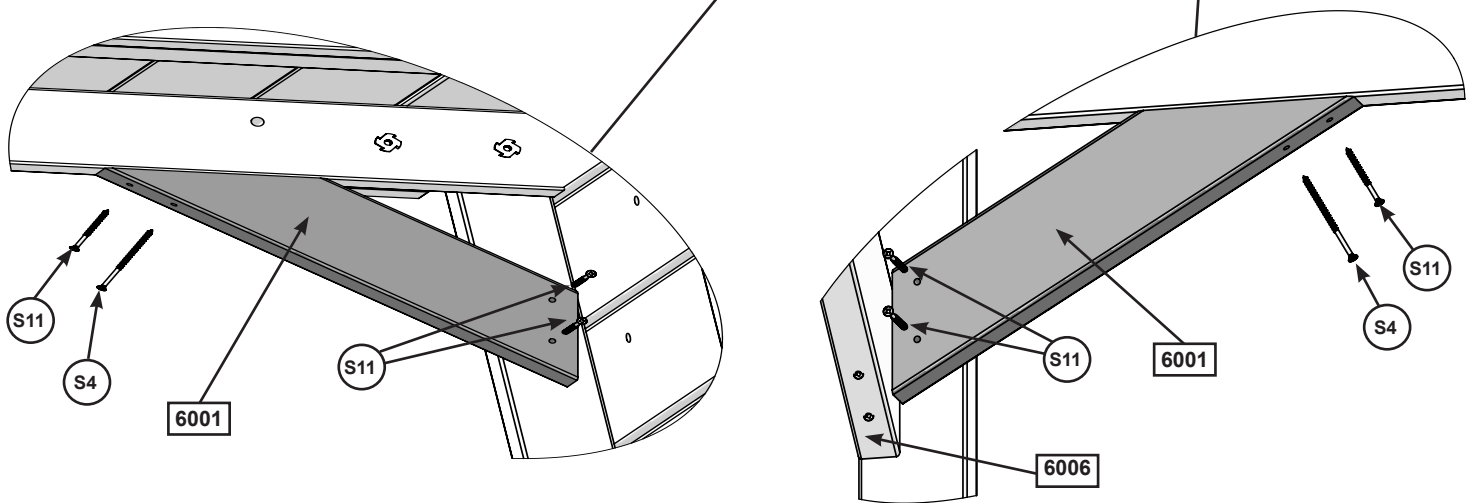


Fig. 46.4 view from underneath



Wood Parts

2 x **6001** Gusset 1-1/4 x 3-1/4 x 16"

Hardware

2 x **S4** #8 x 3" Wood Screw

6 x **S11** #8 x 2" Wood Screw

Step 47: Attach Tarp Frame Part 1



A: Place 1 (6024) Tarp End on either side of the (6023) Roof Sides as shown in (Fig. 47.1 & 47.2). Pre-drill with a 1/8" (3.2mm) drill bit and attach from the outside using 4 (S20) #8 x 1-3/8" Wood Screws per side.

B: On each inside corner attach a Corner Bracket to the (6024) Tarp Ends and (6023) Roof Sides using 3 (S37) #7 x 5/8" Pan Screws per bracket. (Fig. 47.1 & 47.2)

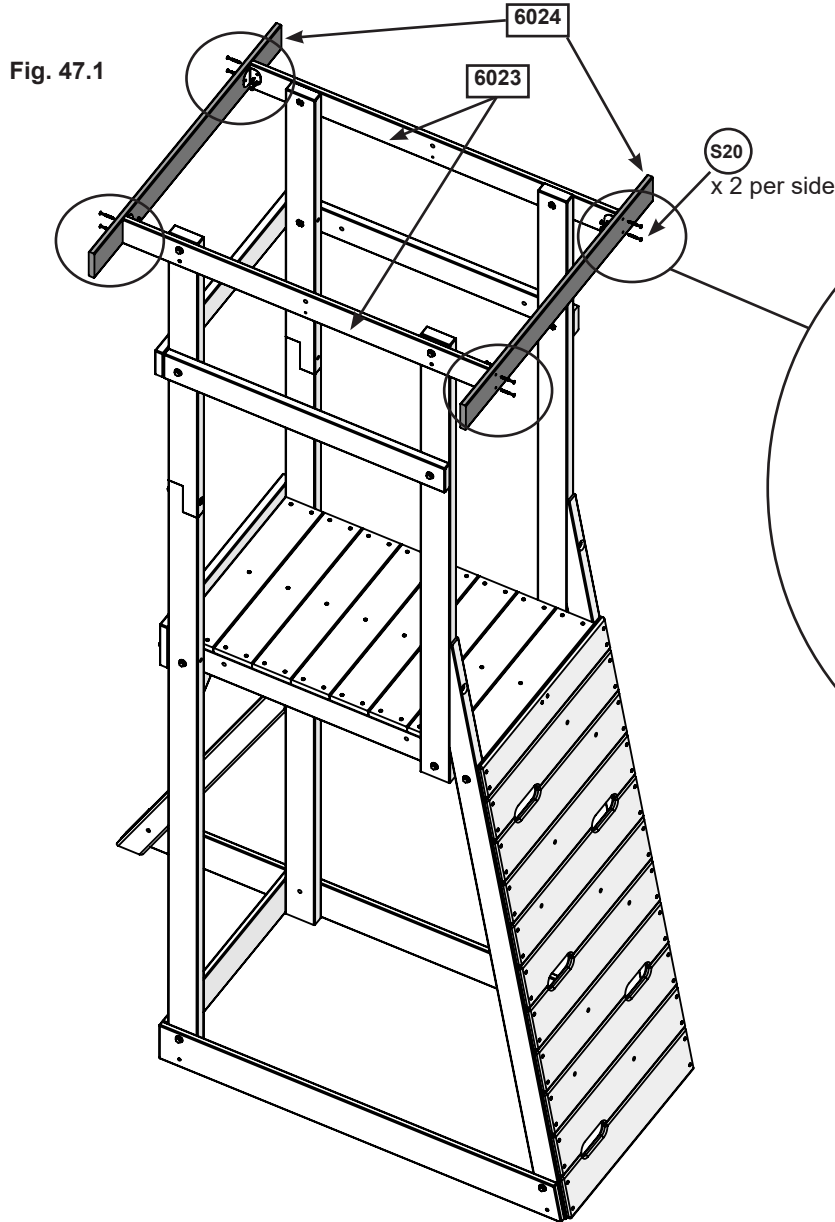
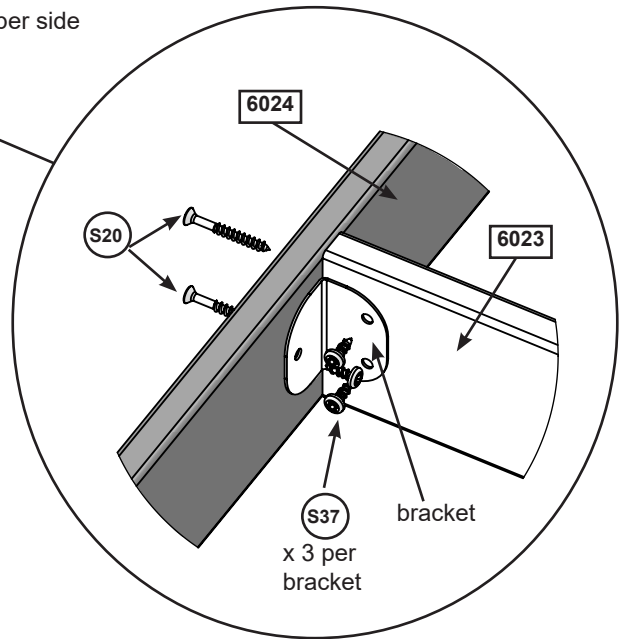


Fig. 47.2



Wood Parts

2 x 6024 Tarp End 5/8 x 3-1/4 x 35-1/2"

Hardware

12 x S37 #7 x 5/8" Pan Screws

8 x S20 #8 x 1-3/8" Wood Screws

Other Parts

4 x Corner bracket

Step 47: Attach Tarp Frame Part 2

C: From inside the assembly using the center holes on the (6023) Roof Sides attach 1 (6008) Tarp Upright per side with 1 (H2) ¼ x 2" Hex Bolt (with flat washer, lock washer and t-nut) per side in the upper holes and 1 (S15) #8 x 1-3/4" Wood Screw per side in the bottom holes. (Fig. 47.3 & 47.4)

D: On the top of the (6008) Tarp Uprights install 1 (6025) Tarp Support with 2 (S4) #8 x 3" Wood Screws. (Fig. 47.3 & 47.4)

Fig. 47.3

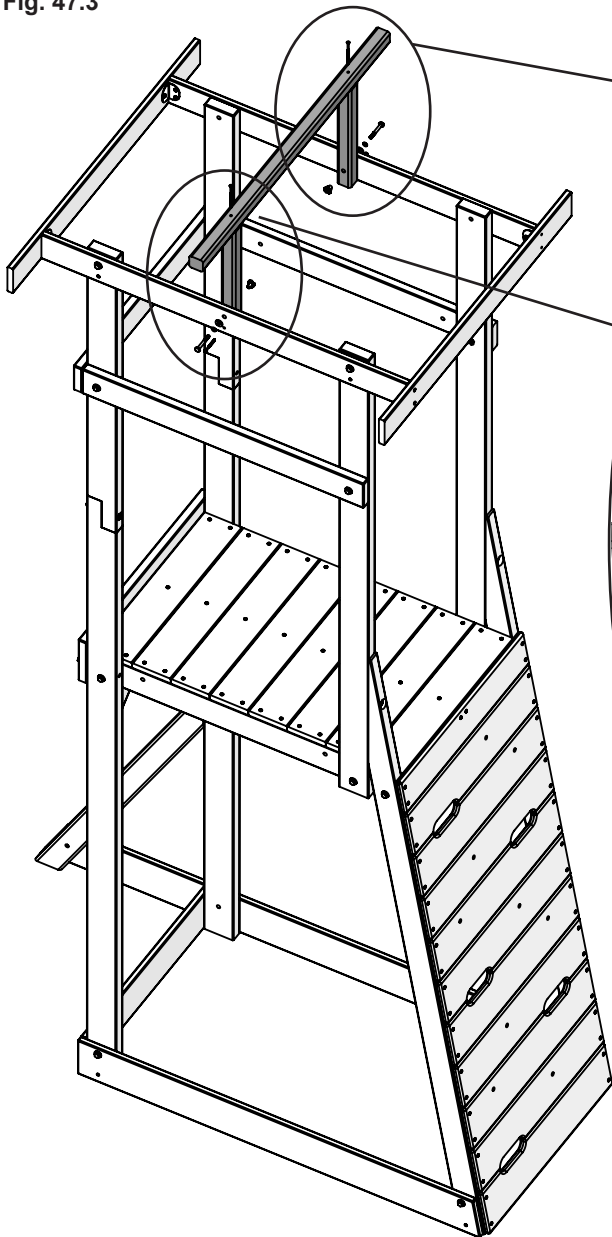
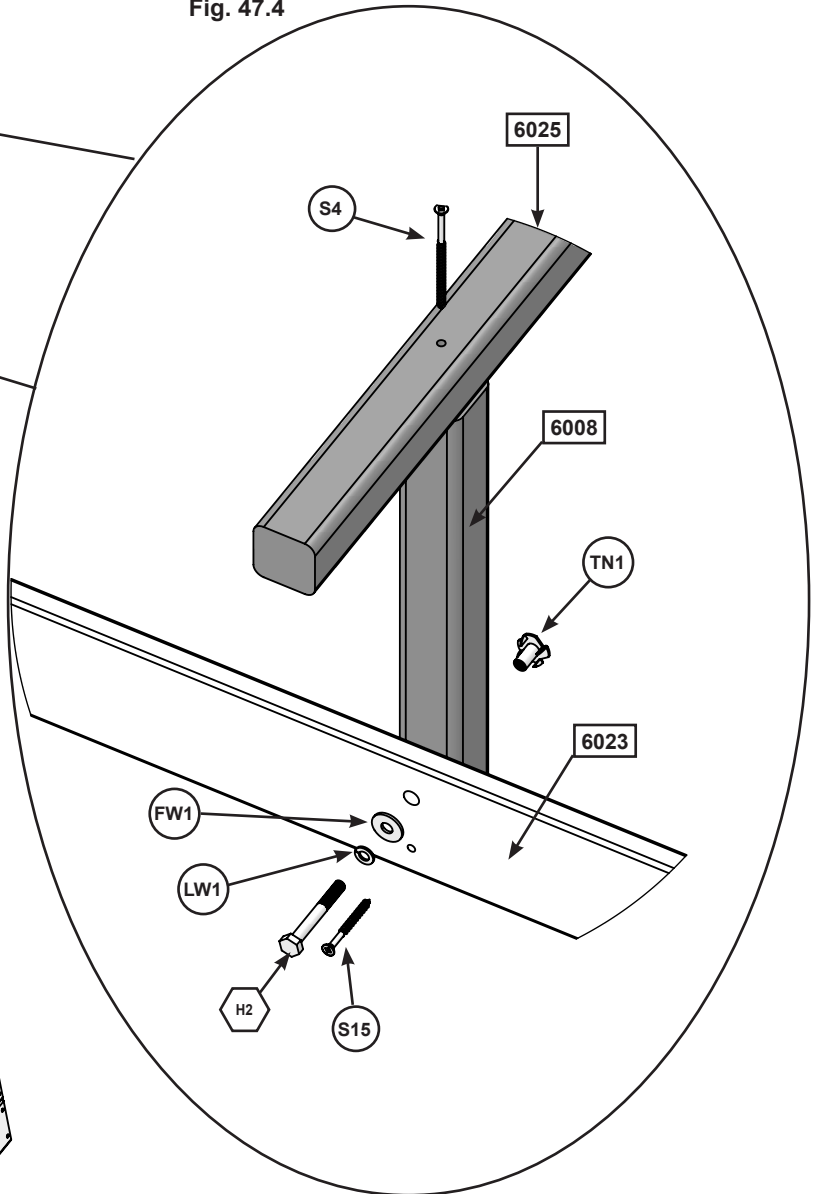


Fig. 47.4



Wood Parts

- 1 x **6025** Tarp Support 1-1/2 x 1-1/2 x 35-1/2"
- 2 x **6008** Tarp Upright 1-1/2 x 1-1/2 x 13-1/4"

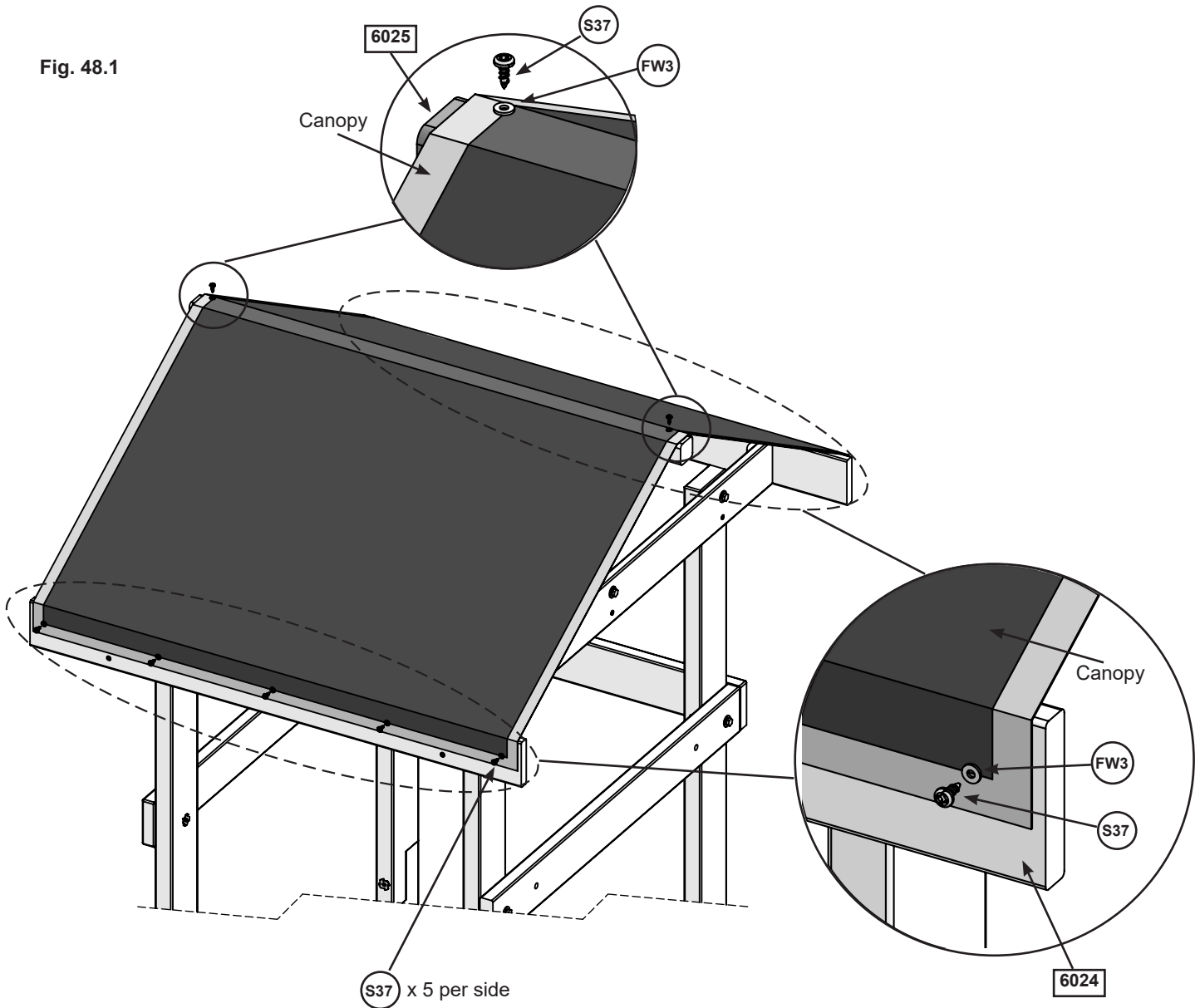
Hardware

- 2 x **H2** ¼ x 2" Hex Bolt (LW1, FW1, TN1)
- 2 x **S15** #8 x 1-3/4" Wood Screw Screws
- 2 x **S4** #8 x 3" Wood Screw

Step 48: Attach Tower Canopy

- A:** Place Tower Canopy over (6025) Tarp Support making sure bottom edges of Tower Canopy are even on both sides of assembly.(Fig. 48.1)
- B:** Secure one side by attaching Tower Canopy to 1 (6024) Tarp End using 5 (S37) #7 x 5/8" Pan Screws (with #8 flat washer). (Fig. 48.1)
- C:** Make sure the Tower Canopy is smooth and tight and then secure to the remaining (6024) Tarp End using 5 (S37) #7 x 5/8" Pan Screws (with #8 flat washer). (Fig. 48.1)
- D:** Attach Tower Canopy to each end of the (6025) Tarp Support using 2 (S37) #7 x 5/8" Pan Screws (with #8 flat washer).(Fig. 48.1)

Fig. 48.1



Hardware

12 x (S37) #7 x 5/8" Pan Screws (FW3)

Other Parts

1 x Tower Canopy

Step 49: Install Flags

A: On each end of the (6025) Tarp Support center 1 Flag and attach using 2 (S10) #8 x 1" Pan Screws per side. (Fig. 49.1 & 49. 2)

Fig. 49.1

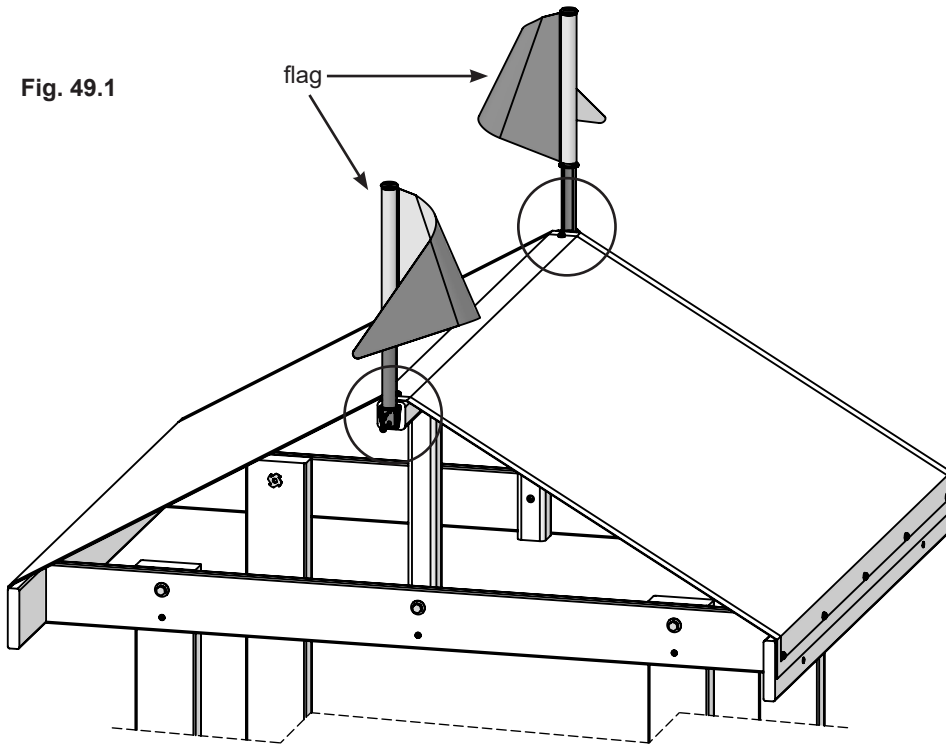
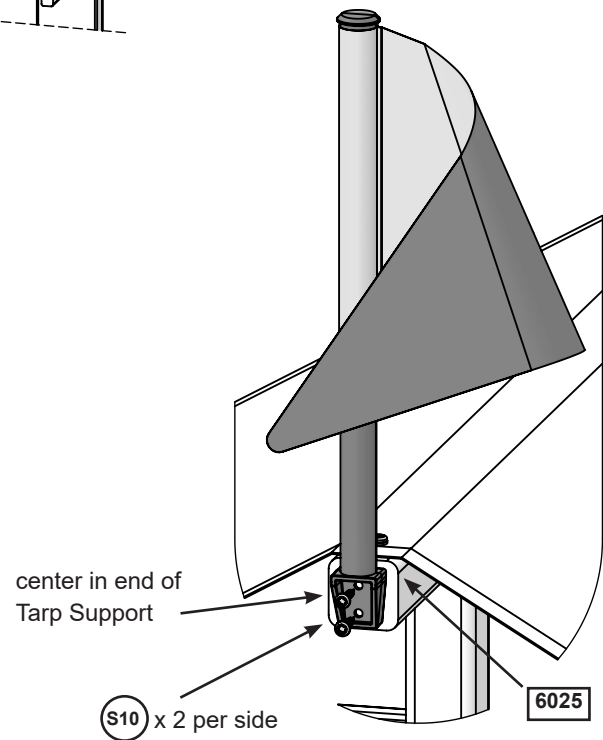



Fig. 49.2



Hardware

4 x  #8 x 1" Pan Screws

Other Parts

2 x Flag and Pole

Step 50: Attach Trim

A: Flush to the (0600) Bottom Trim and to the outside edge of the (6026) Rock Rail attach 1 (0602) Short Trim on each side of the (6026) Rock Rails with 1 (S20) #8 x 1-3/8" Wood Screw per side in the center hole. (Fig. 50.1 & 50.2)

B: Flush to the top of both (0602) Short Trims attach 1 (0601) Side Trim with 4 (S20) #8 x 1-3/8" Wood Screws per side. (Fig. 50.1 & 50.2)

C: Making sure that it's flush with the top of (6030) Tunnel Side Top and both (0601) Side Trims attach 1 (0603) Top trim to the (6000) Upper Posts using 4 (S20) #8 x 1-3/8" Wood Screws. (Fig. 50.1 & 50.2)

Fig. 50.1

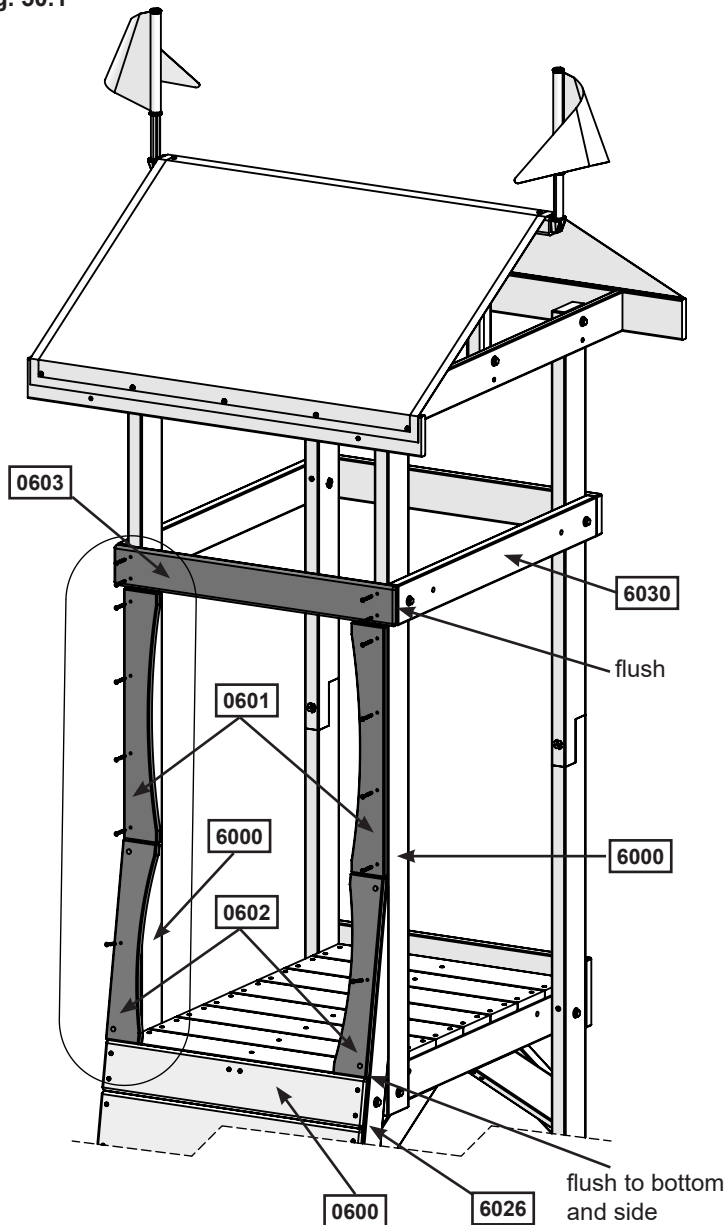
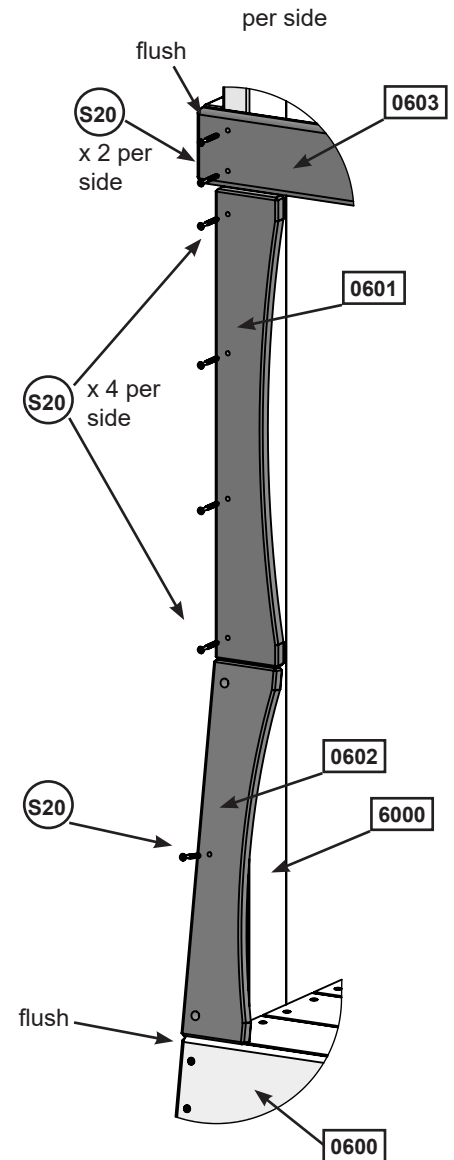


Fig. 50.2



Wood Parts

- 1 x 0603 Top Trim 5/8 x 3-1/4 x 25-3/8"
- 2 x 0601 Side Trim 5/8 x 3 x 19-5/8"
- 2 x 0602 Short Trim 5/8 x 3 x 16-1/2"

Hardware

- 14 x S20 #8 x 1-3/8" Wood Screws

Step 51: Attach Hand Grips



A: Place 1 Hand Grip over the existing holes in (0602) Short Side Trim, making sure that it's centered and flush to the edges. Pre-drill with a 1/8: (3.2mm) drill bit and attach Hand Grip with 2 (LS2) 1/4 x 2-1/2" Lag Screws (with flat washers). (fig. 51.1 and 51.2)

B: Repeat step to install a second Hand Grip on the other side.

Fig. 51.1

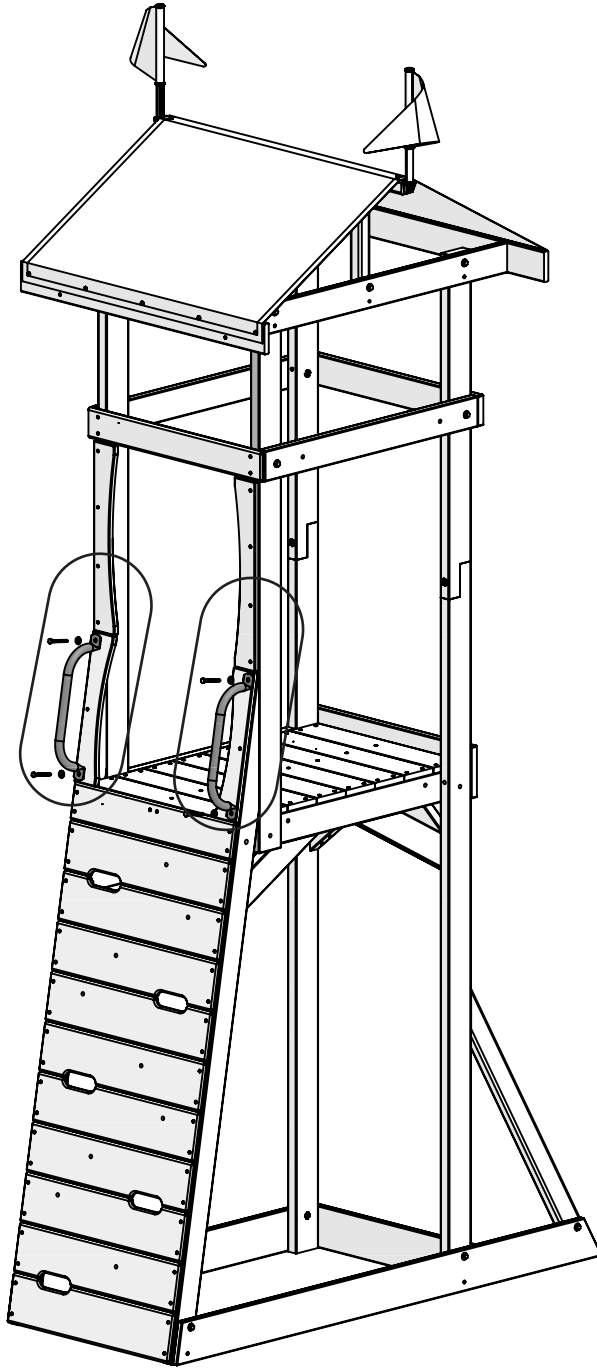
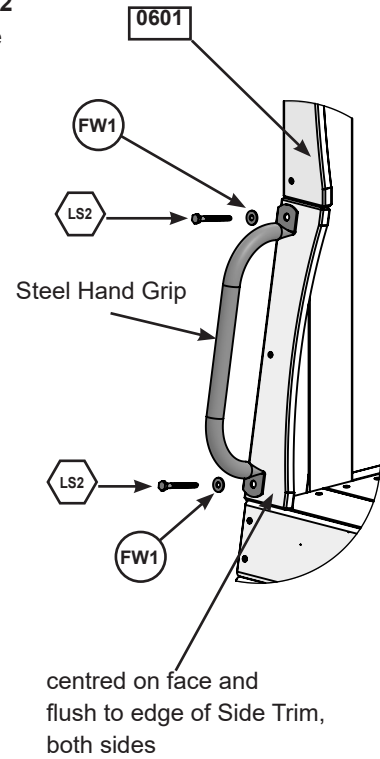



Fig. 51.2
per side



Hardware
4 x  1/4 x 2-1/2" Lag Screws (FW1)

Other Parts
2 x Steel Hand Grip

Step 52: Attach SL Brace

A: On the left side wall, place 1 (6022) SL Brace against the (6017) Floor Support making sure that it's flush with the top of the floorboards. Attach using 2 (H3) ¼ x 2-1/2" Hex Bolt (with flat washer, lock washer and t-nut). (Fig. 52.1 & 52.2 & 52.3)

B: Center the (6005) Slide Block vertically in the slide opening ensuring that it's flush to the bottom of (6022) SL Brace and attach to the (6017) Floor Support using 2 (S11) #8 x 2" Wood Screws. (Fig. 52.1 & 52.2 & 52.3)

C: From inside the assembly place 1 (6032) TNR Wall so it's pressed against the inside of the (6005) Slide Block, (6026) Rock Rail and (6002) Long Post. Ensure that the bottom of the (6032) TNR Wall is flush with the bottom of the (6005) Slide Block and attach with 7 (S11) #8 x 2" Wood Screws. (Fig. 52.1 & 52.2 & 52.3).

Fig. 52.1
left side wall

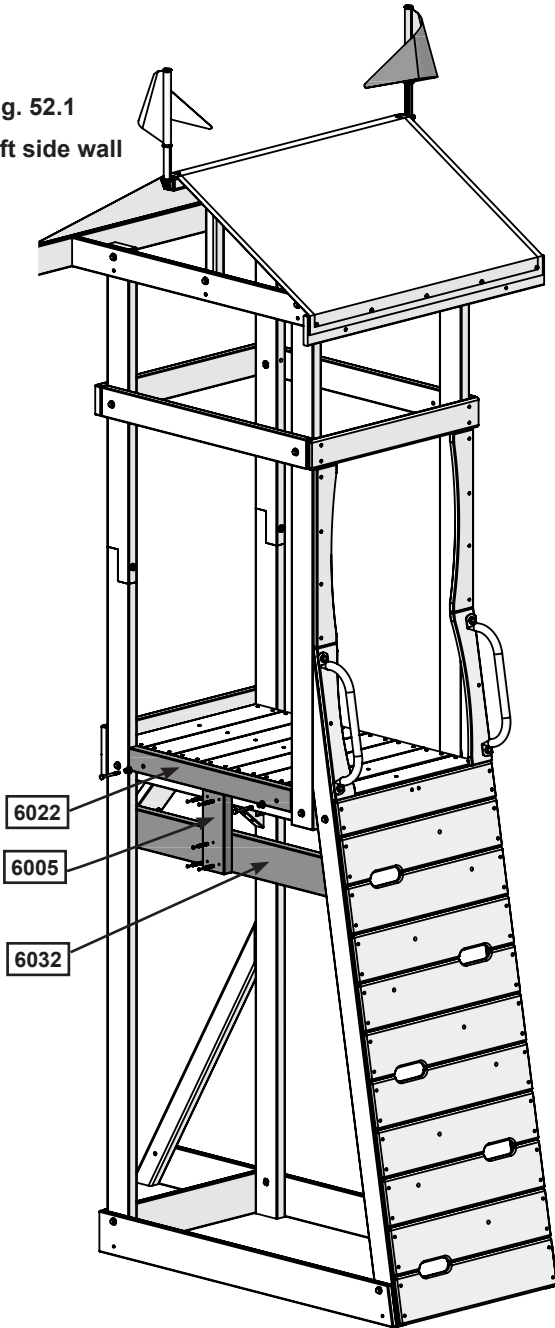


Fig. 52.2
inside

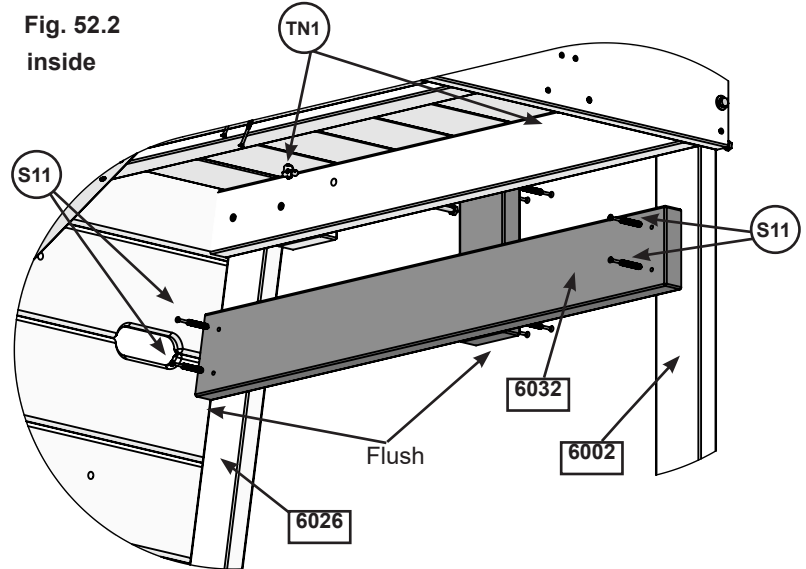
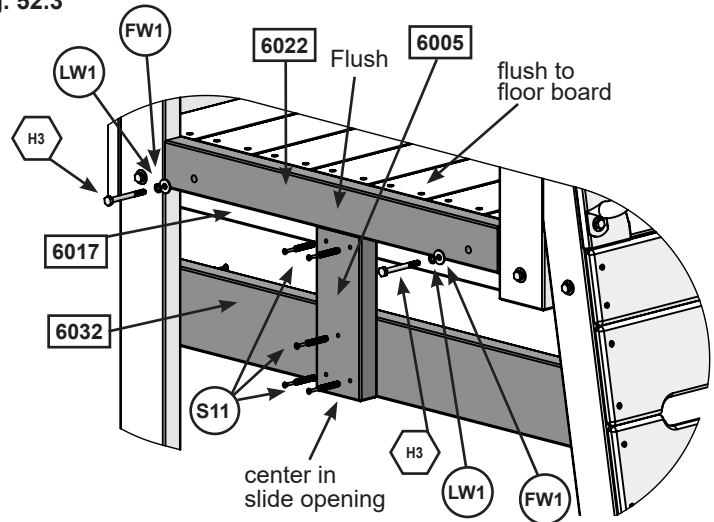


Fig. 52.3



Wood Parts

- 1 x 6022 SL Brace 1-1/4 x 2-1/2 x 24-1/4"
- 1 x 6005 TNR Slide Block 1-1/4 x 3-1/4 x 8-3/4"
- 1 x 6032 TNR Wall 1-1/4 x 4-1/4 x 34-3/4"

Hardware

- 9 x S11 #8 x 2" Wood Screws
- 2 x H3 ¼ x 2-1/2" Hex Bolt (LW1, FW1, TN1)

Step 53: Attach Tunnel Wall Assembly



A: On the left side of the tunnel wall place 1 (6007) Wall Support beside the (6000) Upper Post. The top of the (6007) Wall Support should be behind the (6030) Tunnel Side Top and the bottom end should be on the outside of the (6017) Floor Support. Attach using 1 (H2) ¼ x 2" Hex Bolts (with flat washer, lock washer and t-nut) in tunnel side and 1 (H3) ¼ x 2-1/2" Hex Bolt in Floor Support. (Fig. 53.1 & 53.2)

B: Repeat step A to install a second (6007) Wall Support on the right side of the tunnel wall. (Fig. 53.1 & 53.2)

C: Measure to ensure that there is a 17" (432mm) space between the 2 (6007) Wall Supports and attach 1 (6014) Tunnel Spacer flush to the top of the floor boards with 5 (S11) #8 x 2" Wood Screws. (Fig. 53.1 & 53.2)

Fig. 53.1

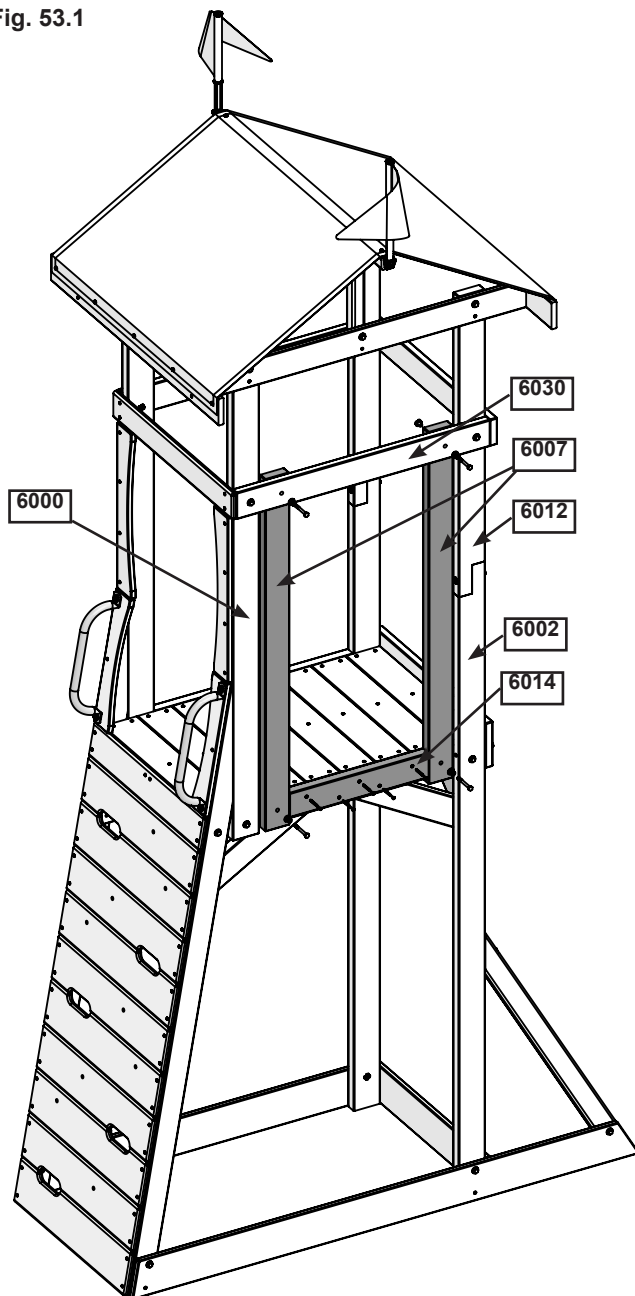
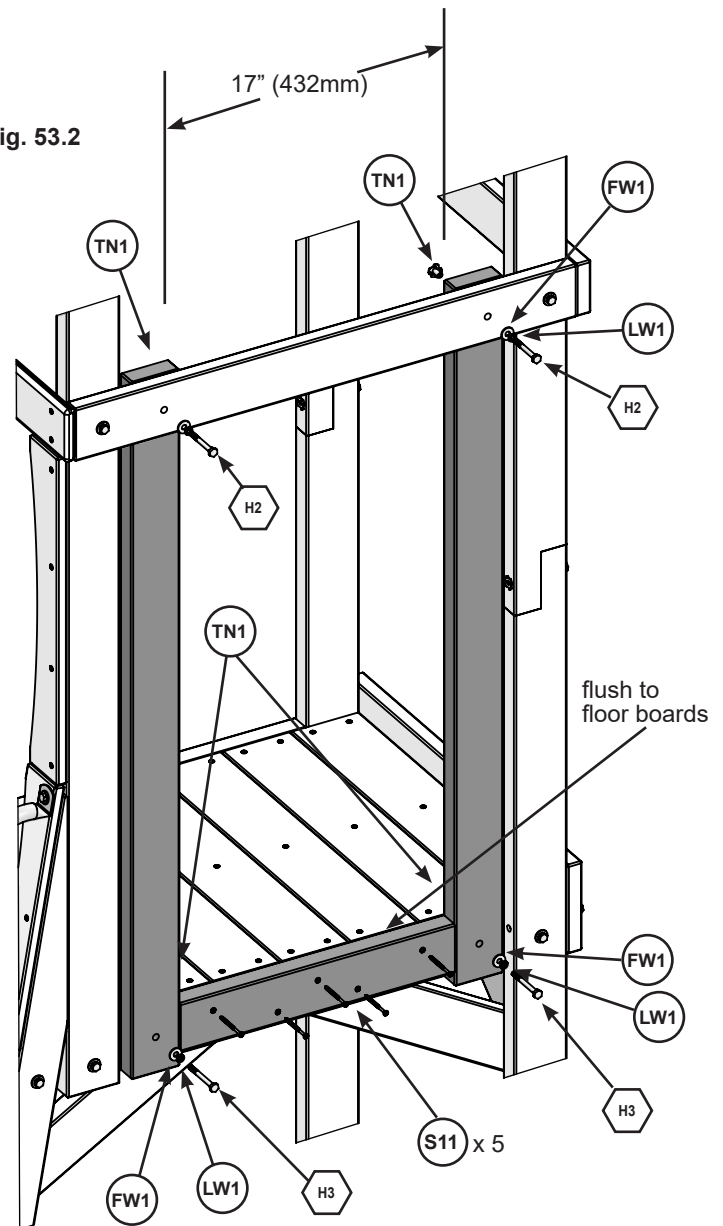


Fig. 53.2



Wood Parts

- 2 x **6007** Wall Support 1-1/4 x 3 x 43-1/8"
- 1 x **6014** Tunnel Spacer 1-1/4 x 3 x 16-15/16"

Hardware

- 5 x **S11** #8 x 2" Wood Screws
- 2 x **H3** ¼ x 2-1/2" Hex Bolt (LW1, FW1, TN1)
- 2 x **H2** ¼ x 2" Hex Bolt (LW1, FW1, TN1)

Step 54: Attach Rocks to Climbing Wall

A: Alternating colours and shapes, attach 1 rock to each rock board using 1 (PB2) ¼ x 1-1/4" Pan Bolt (with ¼" lock washer, 3/16" flat washer and ¼" barrel nut) and 1 (S10) #8 x 1" Pan Screw per rock. (Fig. 54.1 & 54.2 & 54.3)

The Pan Screw is placed in the hole beneath the Pan Bolt.

Make sure all hardware is used to secure each rock properly.

Fig. 54.1

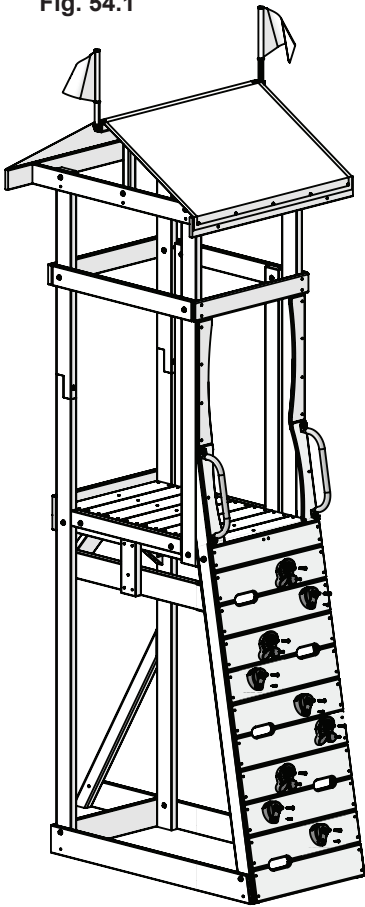


Fig. 54.2

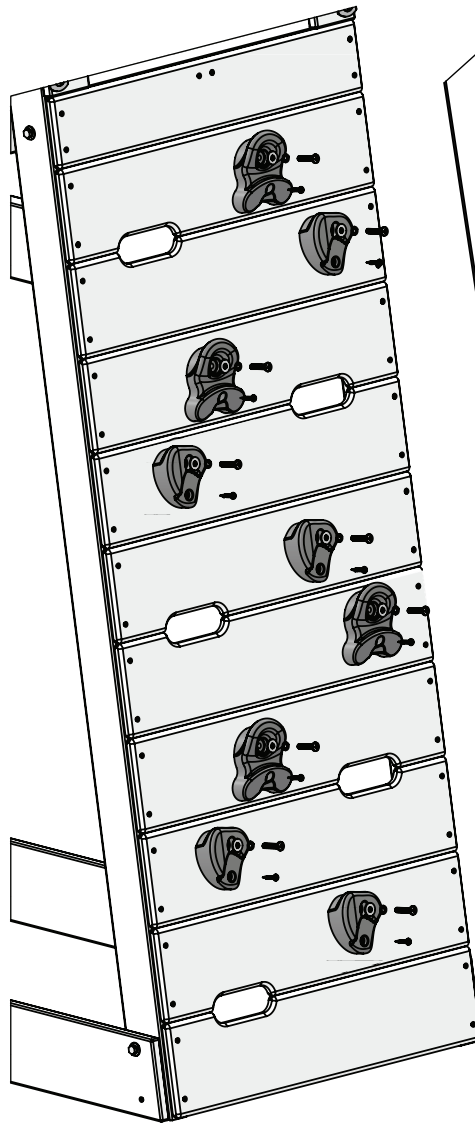
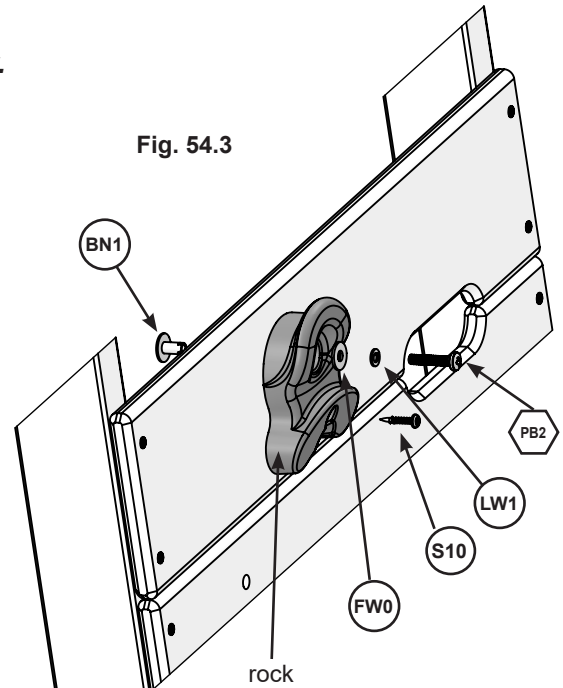




Fig. 54.3



Hardware

- 9 x  #8 x 1" Pan Screw
- 9 x  ¼ x 1-1/4" Pan Bolt (LW1, FW0, BN1)

Other Parts

- 9 x Rocks

Step 55: Attach Telescope

A: On the Back Wall, center the Telescope and attach to (6028) Top Back with 2 (S20) #8 x 1-3/8" Wood Screws. (fig. 55.1 & 55.2)

Move Assembly to final location.(fig. 55.3)

Fig. 55.1

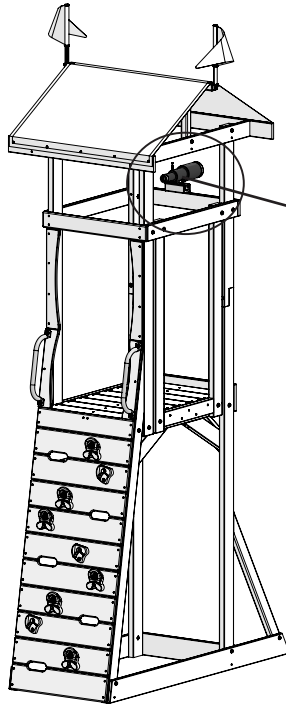


Fig. 55.2

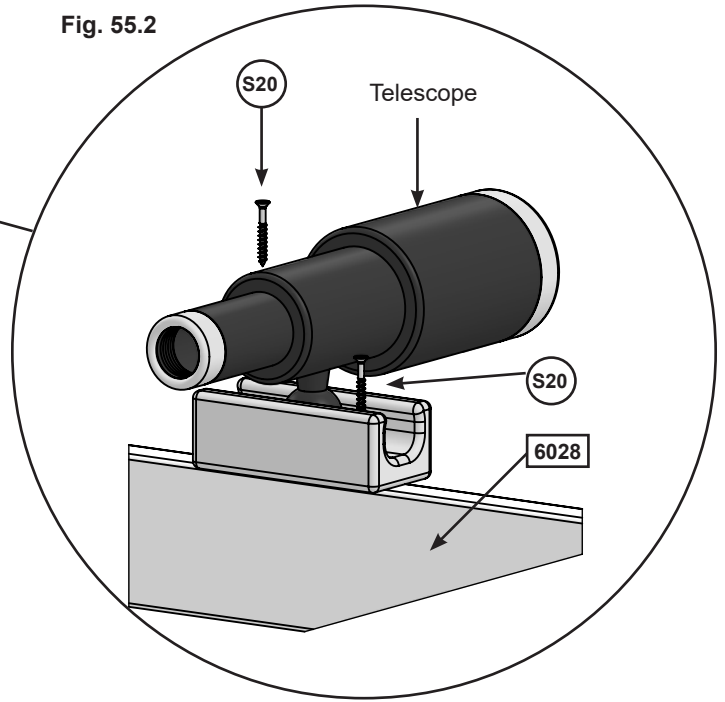
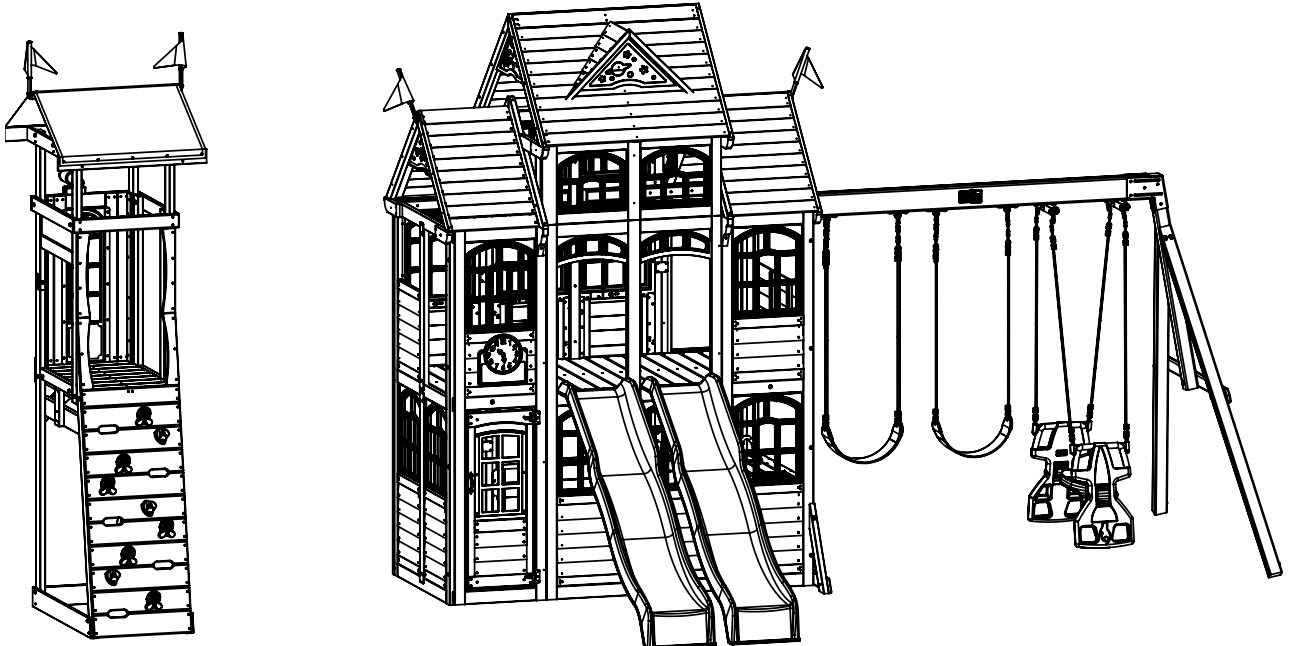



Fig. 55.3



approximately 67" apart with the openings lining up

Hardware

2 x  #8 x 1-3/8" Wood Screw

Other Parts

1 x Telescope w/ Mount

6' Tunnel & Tire Swing Assembly

Step 56: Attach Swing Hangers to Tire Joist

A: Position 1 (6036) Tire Joist so that the counter sunk holes are at the top. Attach the Swing Hangers from underneath (2 flat washer and 1 lock nut per swing hanger) as shown in fig. 56.1 and 56.2.

Fig. 56.1

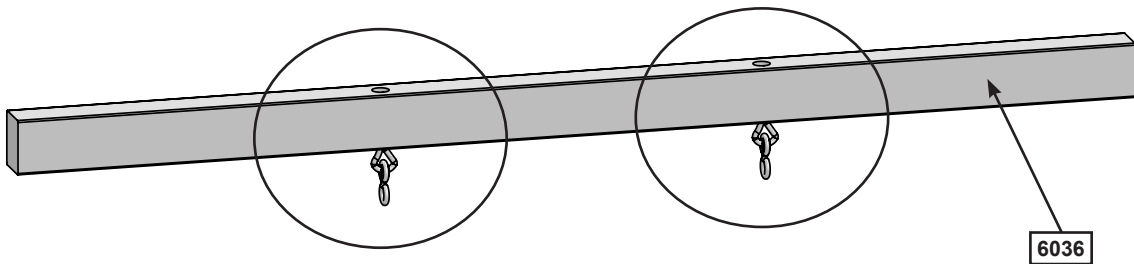
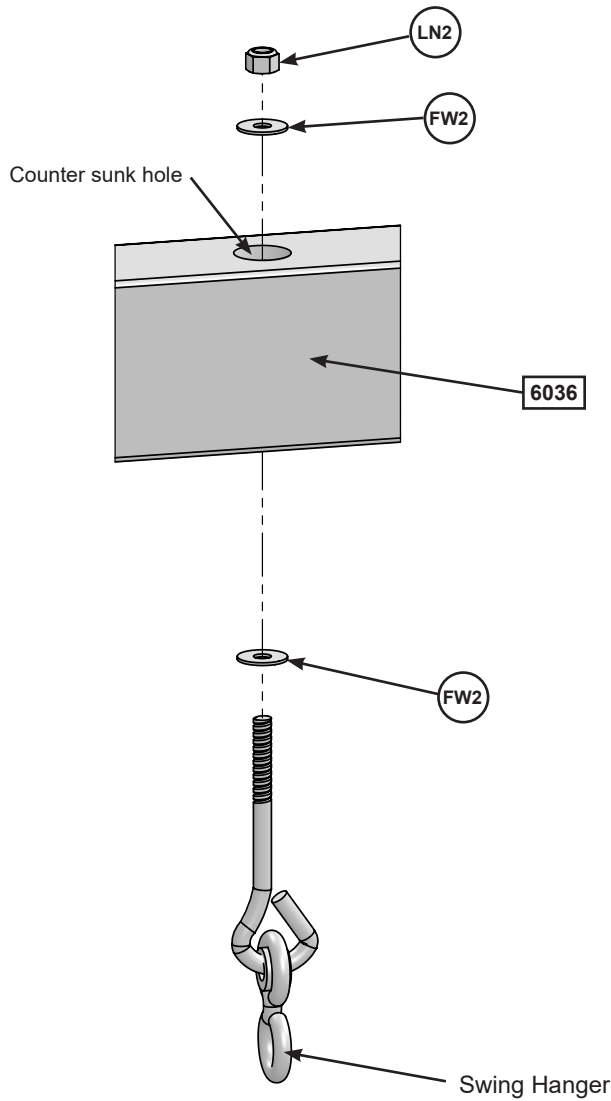


Fig. 56.2



Wood Parts

1 x 6036 Tire Joist 2-1/2 x 3-1/4 x 66-15/16"

Other Parts

2 x Swing Hanger

Step 57: Tunnel Frame Assembly Part 1

A: Place 2 (6035) Tunnel Side Joists side by side making sure that the pre-drilled holes for the t-nuts are at the top. Install 1 5/16" T-Nut on the inside of all 4 ends. (fig. 57.1 and 57.2)

Fig. 57.1

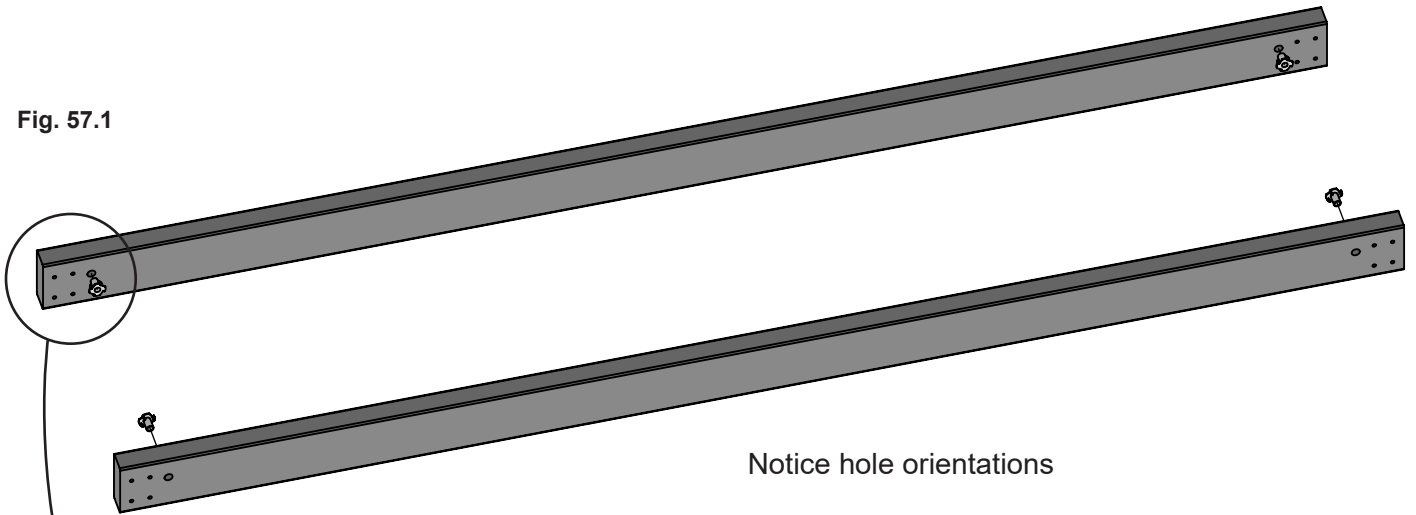
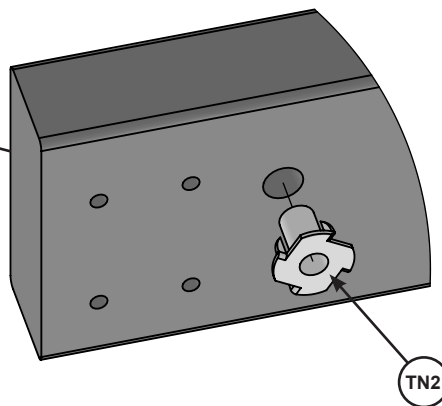


Fig. 57.2



Wood Parts

2 x 6035 Tunnel Side Joist 1-1/4 x 3-1/4 x 69-11/16"

Hardware

4 x 5/16" TN2

Step 57: Tunnel Frame Assembly Part 2

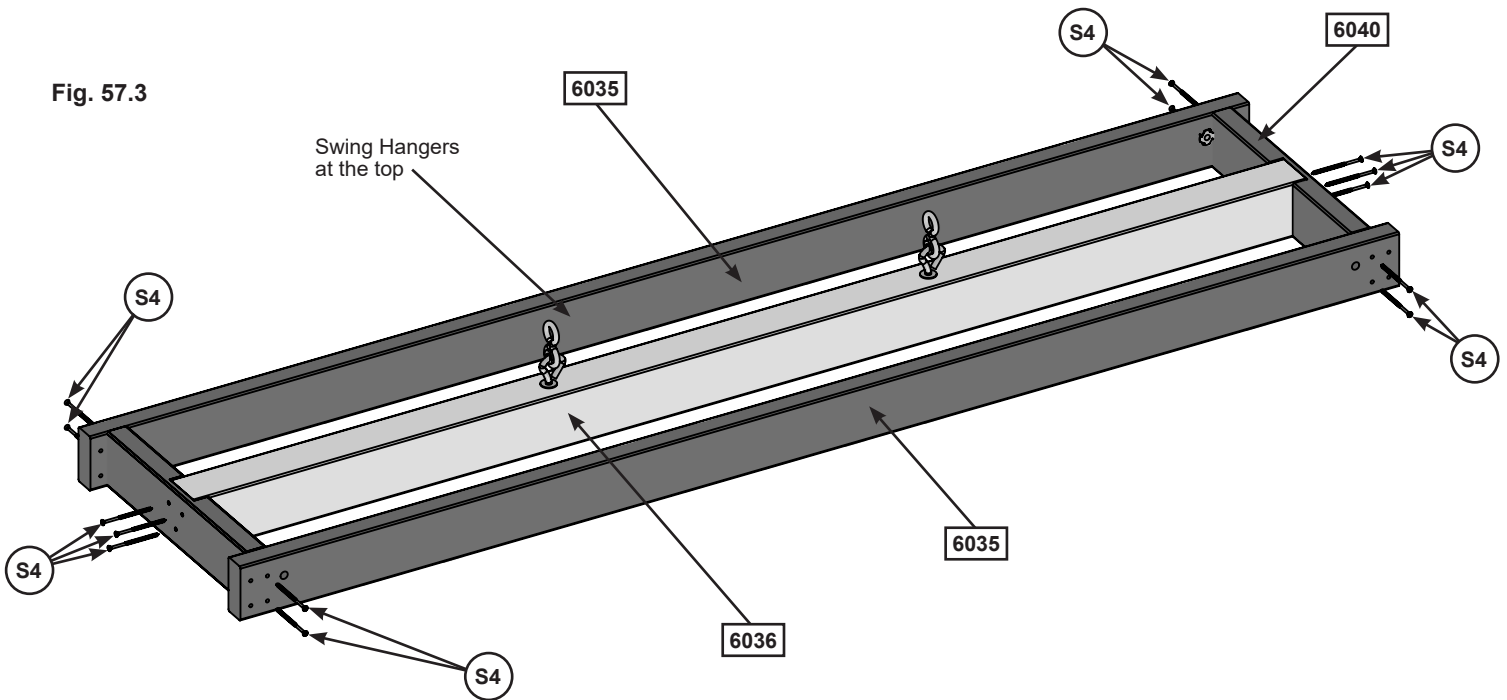


B: Place the (6036) Tire Joist in between the (6035) Tunnel Side Joists with Swing Hangers at the top. (fig. 57.3)

C: Place 1 (6040) Tunnel End at each end of the joists so that the (6036) Tire Joist fits into the cut outs (fig.57.3). Attach (6040) Tunnel Ends to (6036) Tire Joist using 3 (S4) #8 x 3" Wood Screws per end and then attach (6035) Tunnel Side Joists to (6040) Tunnel Ends with 4 (S4) #8 x 3" Wood Screws per side making sure to use the inside holes as shown in fig. 57.3.

Make sure assembly is square before proceeding to the next step.

Fig. 57.3



Wood Parts

2 x 6040 Tunnel End 1-1/4 x 3-1/4 x 14-1/2"

Hardware

14 x S4 #8 x 3" Wood Screw

Step 58: Attach Floor Boards



A: Flip the frame assembly so that it's right side up. (fig. 58.1)

B: Place 1 (10077) Floor Board at the end of the tunnel frame so it's flush with the ends and the sides of the (6035) Tunnel Side Joists and attach using 5 (S2) #8 x 1-1/2" Wood Screws. (fig. 58.1 and 58.2)

C: Place 1 (10078) Floor Board at the other end of the tunnel frame ensuring that it's flush with the ends and the sides of the (6035) Tunnel Side Joists and attach using 5 (S2) #8 x 1-1/2" Wood Screws. (fig. 58.1 and 58.2)

D: Evenly space the remaining (10077) Floor Boards and attach all boards using 5 (S2) #8 x 1-1/2" Wood Screws per board. (fig. 58.1 and 58.2)

Note: Pre-drill center holes with 3/16" drill bit.

Fig. 58.1

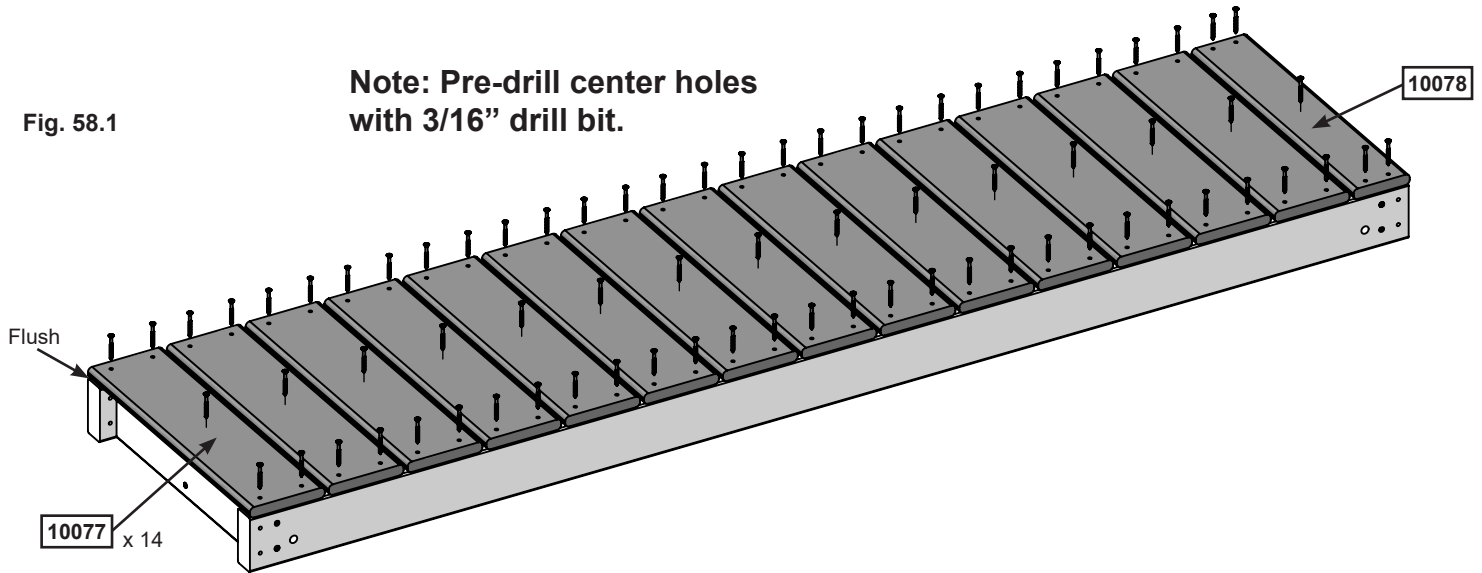
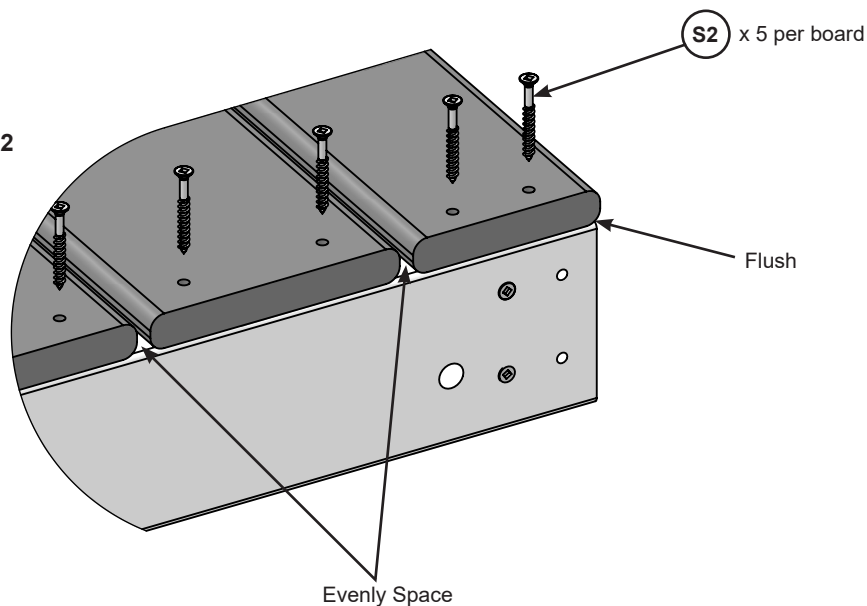


Fig. 58.2



Wood Parts

14 x Floor Board 5/8 x 4-1/2 x 16-7/8"

1 x Floor Board 5/8 x 3-3/4 x 16-7/8"

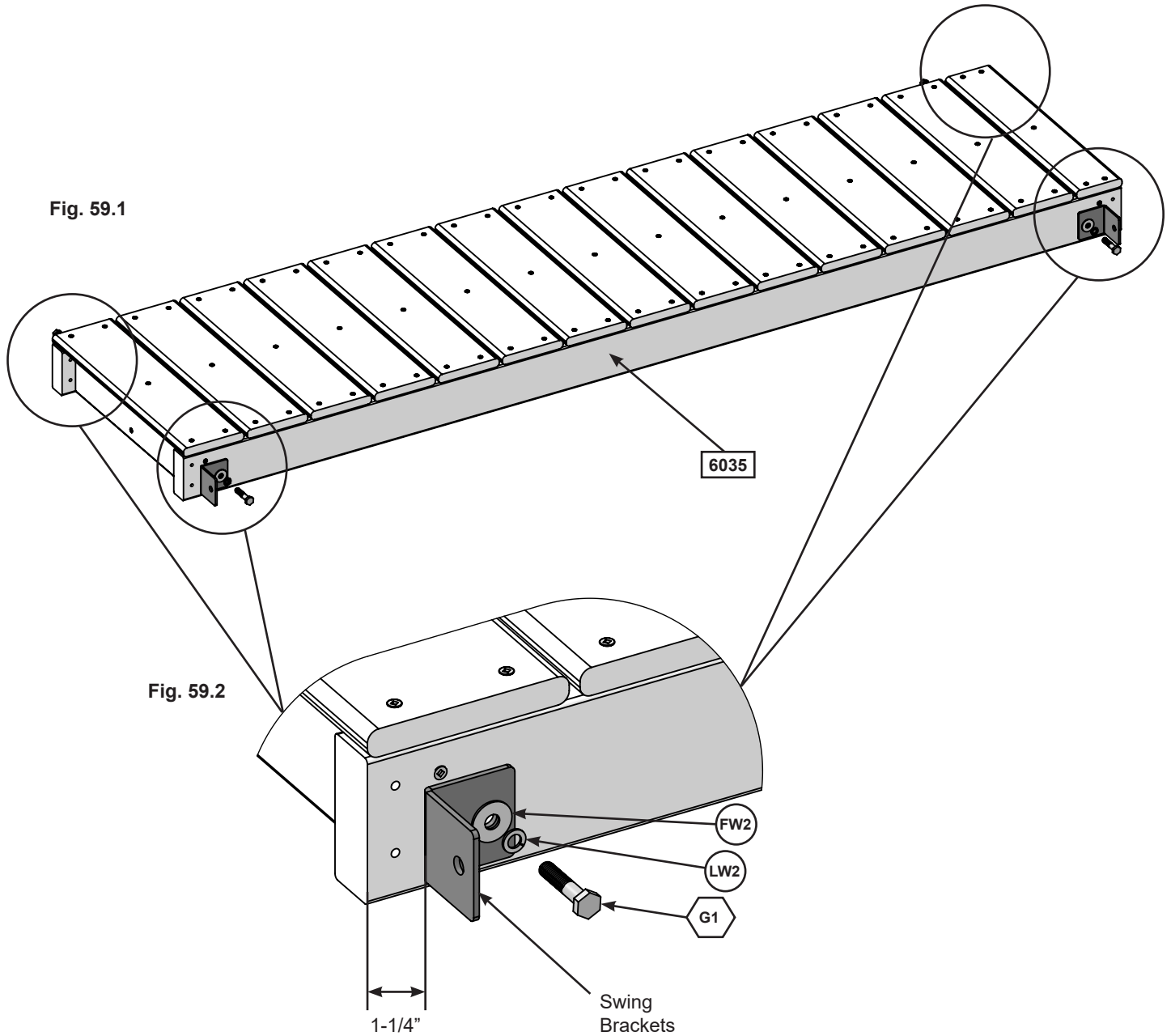
Hardware


75 x #8 x 1-1/2" Wood Screw

Step 59: Install Swing Brackets



A: From outside the tunnel assembly, measure 1-1/4" in from each end of the (6035) Tunnel Side Joists and attach 4 Swing Brackets using 1 (G1) 5/16 x 1-1/2" Hex Bolt (with flat washer and lock washer) per bracket. (fig. 59.1 and 59.2)



Hardware
4 x  5/16 x 1-1/2" Hex Bolt (LW2, FW2)

Other Parts
4 x 3201532

Step 60: Install Lower Tunnel Insert

D: From inside the fort place the (6039) Lower Tunnel Insert into the bottom of the opening in the tunnel entrance as shown in fig. (60.1 and 60.2). Attach to the Wall Supports with 4 (S0) #8 x 7/8" Truss Screws. (fig. 60.2 and 60.3)

Fig. 60.1
Outside View

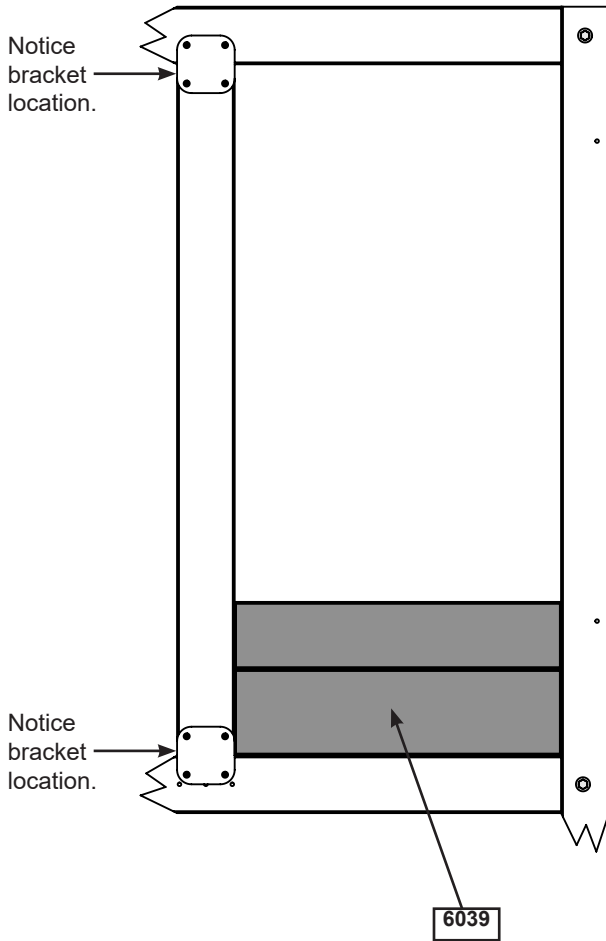


Fig. 60.2
Inside View

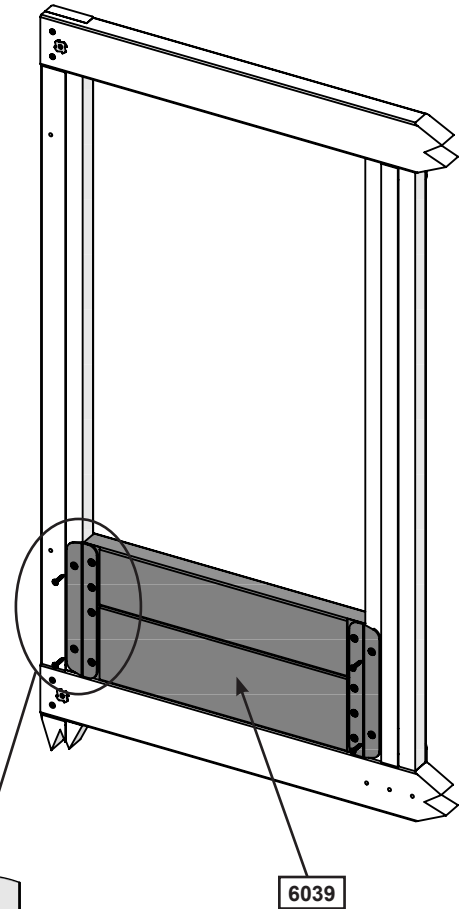
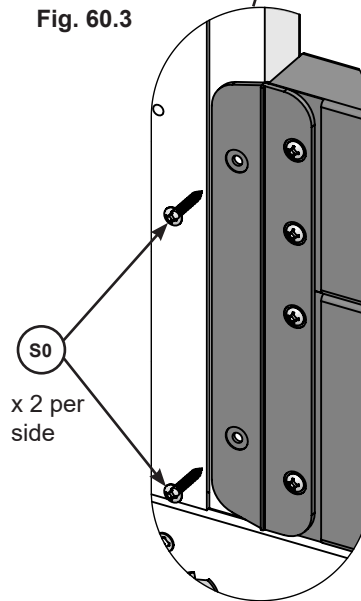


Fig. 60.3



Wood Parts

1 x **6039** Lower Tunnel Insert 1-1/4 x 8 x 18-3/4"

Hardware

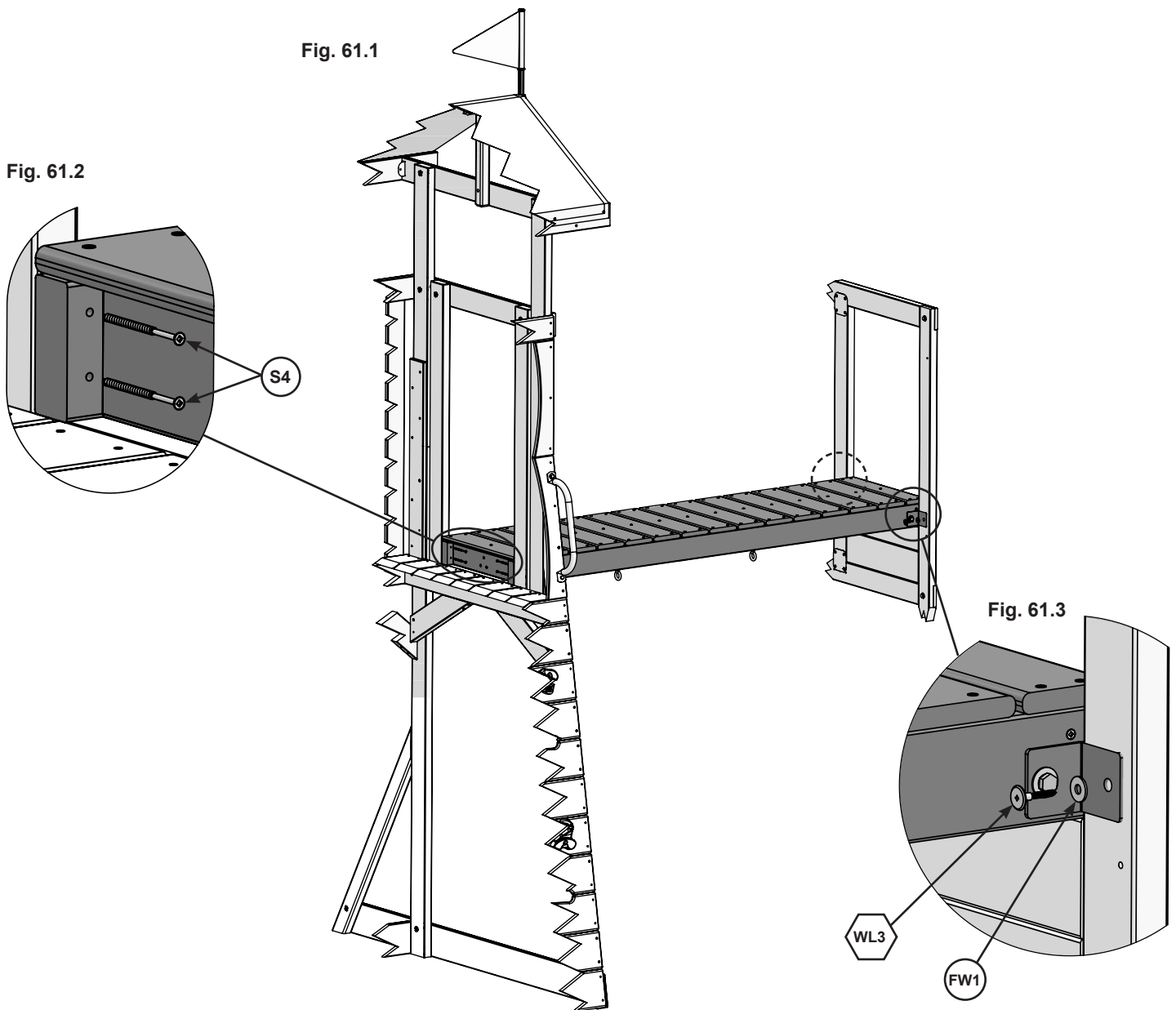
4 x **S0** #8 x 7/8" Truss Screw

Step 61: Attach Tunnel Assembly Frame to Fort Part 1





Note: Move Adventure Tower to final location

- A:** With a helper, lift the tunnel assembly frame so that it fits between the Adventure Tower and the Fort as shown in fig. 61.1.
- B:** From inside the Adventure Tower attach the (6035) Tunnel Side Joists to the Wall Supports using 4 (S4) #8 x 3" Wood Screws. (fig. 61.1 and 61.2)
- C:** Repeat Step B for the fort side.
- D:** From outside the assembly pre drill 1/8" holes and attach the Swing Brackets to the Tower and Fort frames using 1 (WL3) 1/4 x 1-3/8" Wafer Lag (with flat washer) per bracket. (fig. 61.1 and 61.3)



Hardware

8 x  8 x 3" Wood Screw

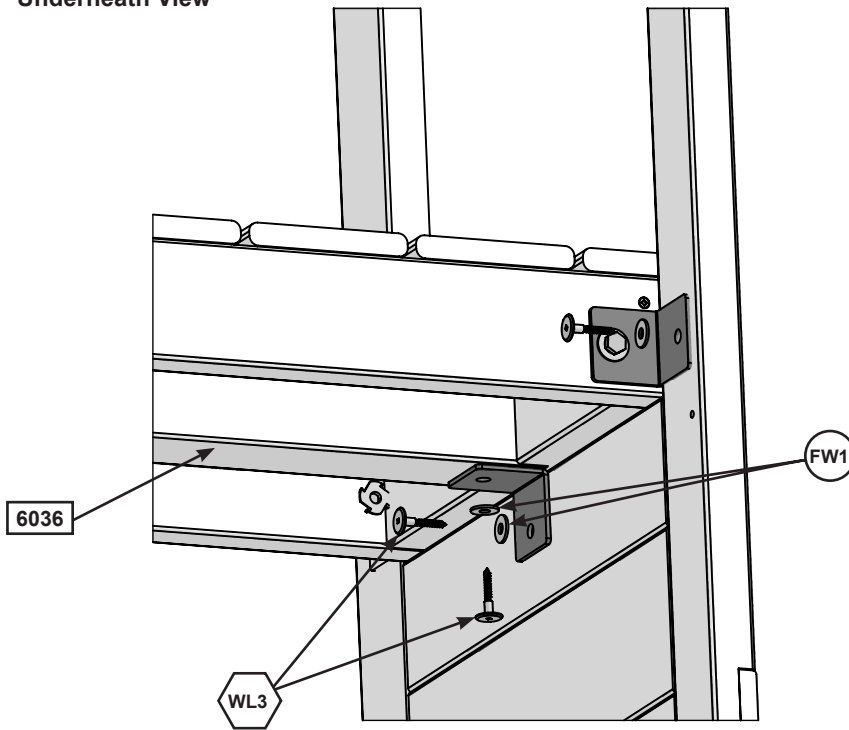
4 x  1/4 x 1-3/8" Wafer Lag (FW1)


Step 61: Attach Tunnel Assembly Frame to Fort Part 2



E: From underneath the tunnel place 1 Swing Bracket on each end of the (6036) Tire Joist. Pre-drill holes using a 1/8" drill bit and connect to the structures using 2 (WL3) 1/4 x 1-3/8" Wafer Lags (with flat washers) per side. (fig. 61.4)

Fig. 61.4
Underneath View



Hardware
4 x  1/4 x 1-3/8" Wafer Lag (FW1)

Other Parts
2 x Swing Bracket

Step 62: Install Upper Tunnel Insert



A: From inside the Adventure Tower measure 1-5/8" down from the top of the Wall Support as shown in fig. 46.2 and place the (6038) Upper Tunnel Insert into the opening. Attach to the Wall Supports using 4 (S0) #8 x 7/8" Truss Screws. (fig. 62.1 and 62.2)

Fig. 62.1

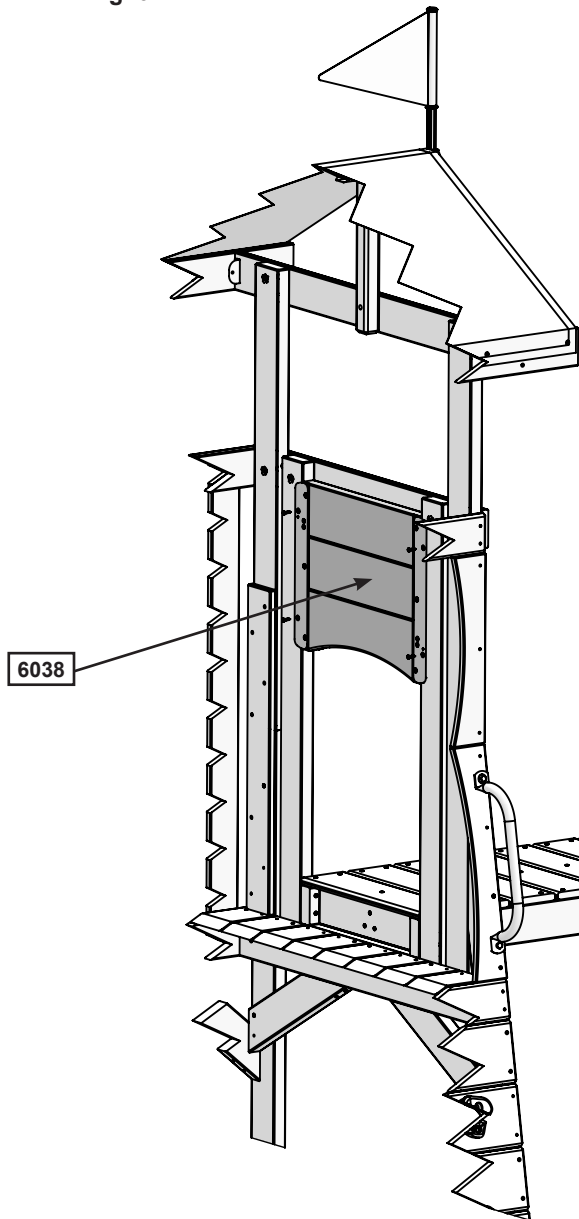
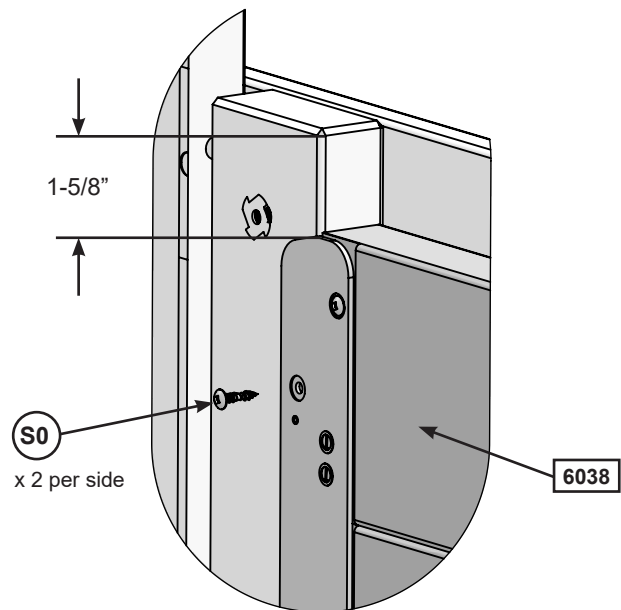


Fig. 62.2



Wood Parts

1 x **6038** Upper Tunnel Insert 1-1/4 x 14-1/4 x 18-3/4"

Hardware

4 x **S0** #8 x 7/8" Truss Screw

Step 63: Build Tunnel Assembly Part 1

A: Bend all 8 MOD Tunnel Panels as shown in fig. 63.1.

B: Match 2 MOD Tunnel Panels together by making a slight “V” with the pieces so the peak of the “V” faces away from you. Make sure connector tabs are coupled then straighten the 2 panels. Push down on one panel and up on the other until you hear the connector tabs click together and the bottom edges are flush. You may have to knock panels on a hard surface to align properly. Do this so there are 4 MOD Tunnel Panels attached together. (fig. 63.2)

C: Press nodules through the connector tab holes to hold Tunnel Panels in place. (fig. 63.2 and 63.3)

D: Repeat Steps B-C to create two Tunnel Sides.

Fig. 63.1

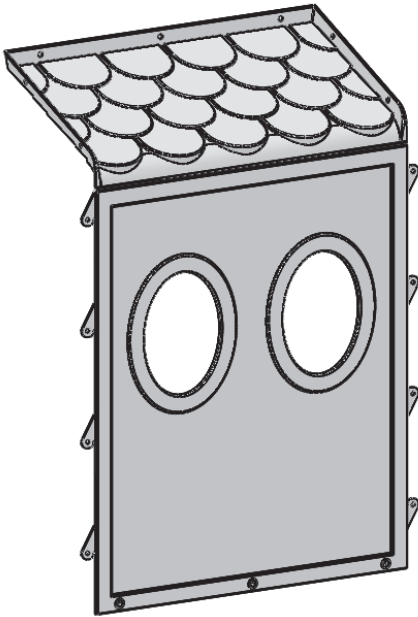


Fig. 63.2

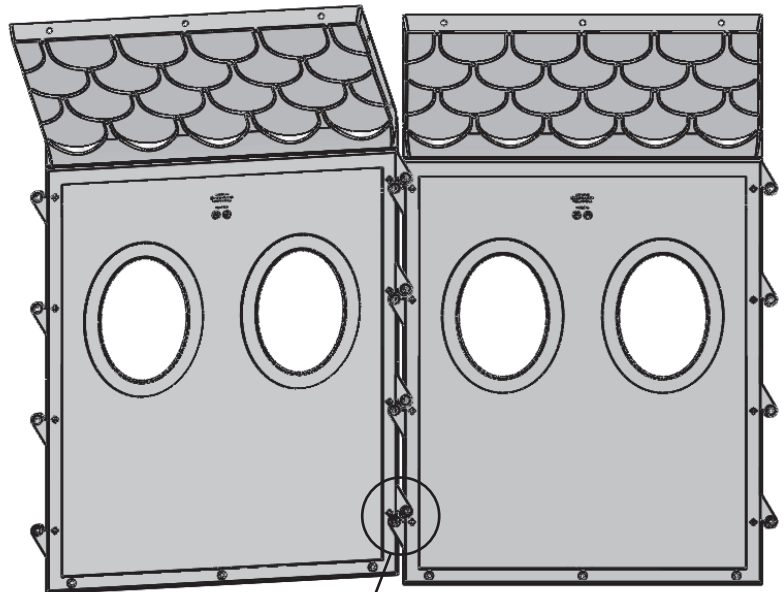
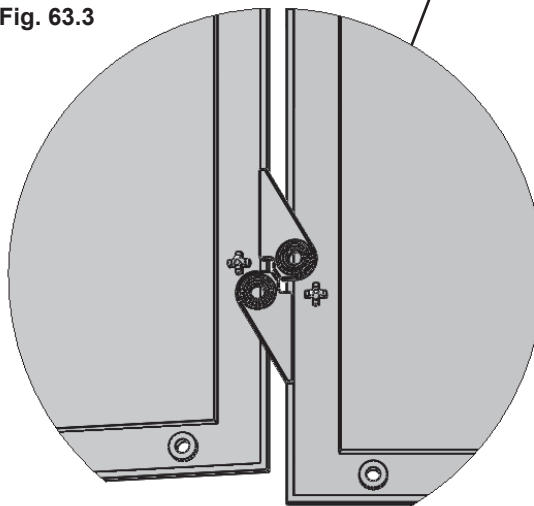


Fig. 63.3



Other Parts

8 x MOD Tunnel Panel

Step 63: Build Tunnel Assembly Part 2 x 2



E: Attach the tops of each Tunnel Side together using 2 (MB1) #12 x 1/2" Pan Bolts (with #12 Lock Nut) per side. (fig. 63.4 and 63.5)

Fig. 63.4

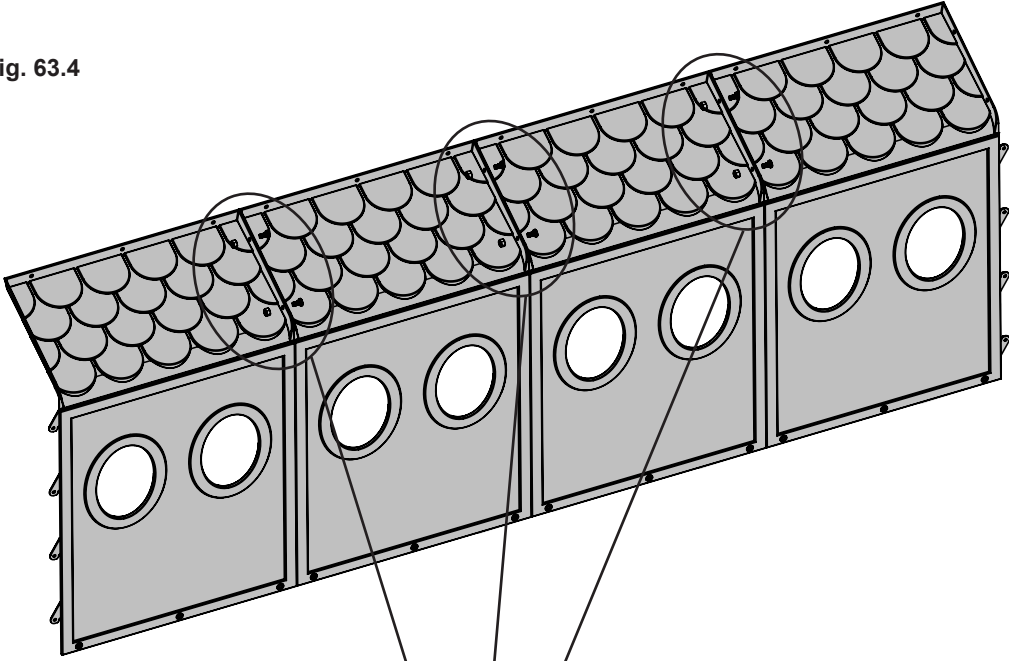
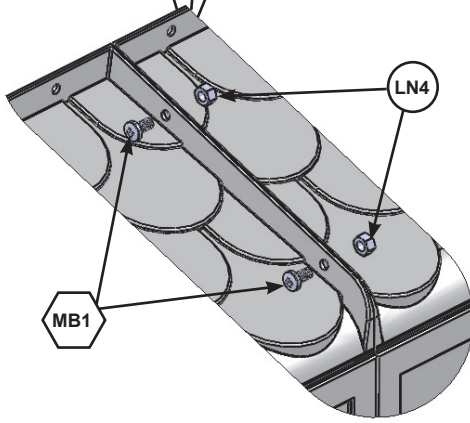



Fig. 63.5



Hardware
12 x  #12 x 1/2" Pan Bolt (LN4)

Step 63: Build Tunnel Assembly Part 3



F: Join the 2 Tunnel Sides together so the tops are tight together and attach with 12 (MB1) #12 x 1/2" Pan Bolts (with #12 Lock Nut). (fig. 63.6 and 63.7)

Fig. 63.6

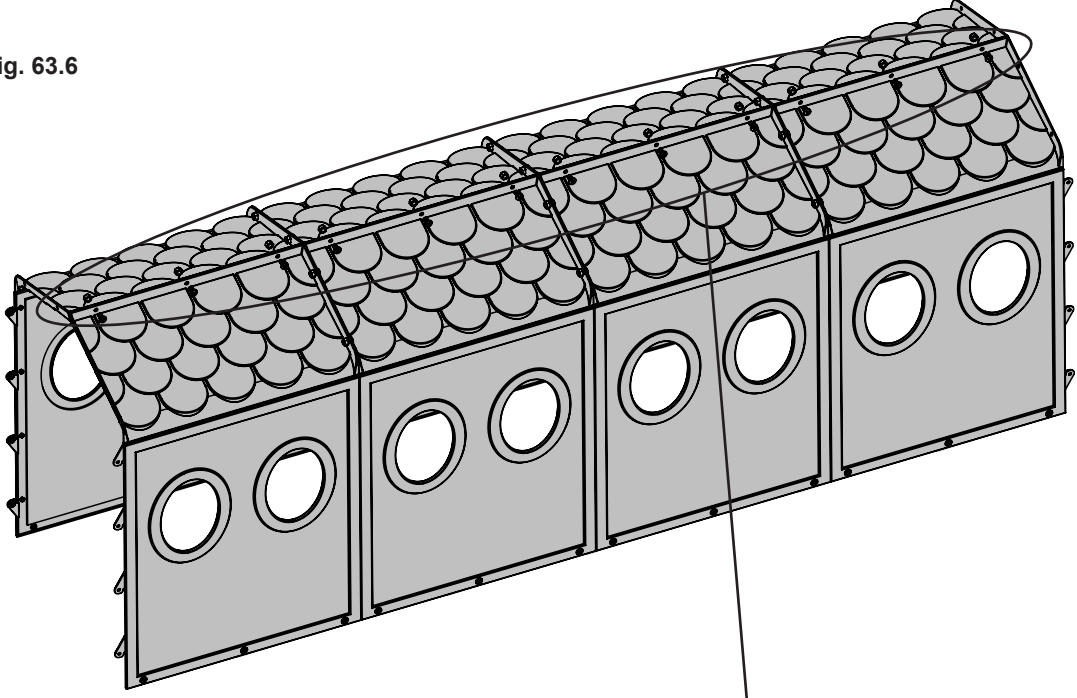
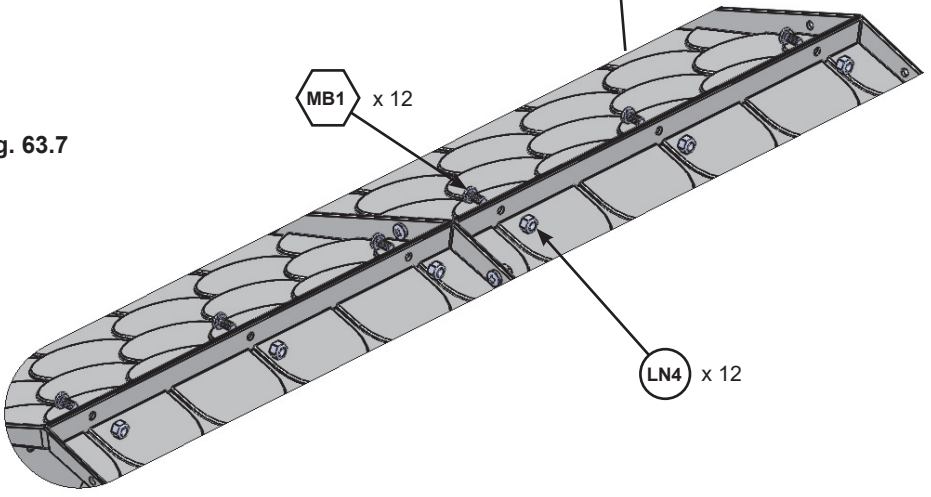



Fig. 63.7



Hardware

12 x  #12 x 1/2" Pan Bolt (LN4)

Step 64: Attach MOD Tunnel

Part 1



A: With a helper, place the MOD Tunnel Assembly into place so that the bottom edge rests on the swing brackets and attach to the (6035) Tunnel Side Joists using 24 (S10) #8 x 1" Pan Screws. (fig. 64.1, 64.2 and 64.3)

Fig. 64.1

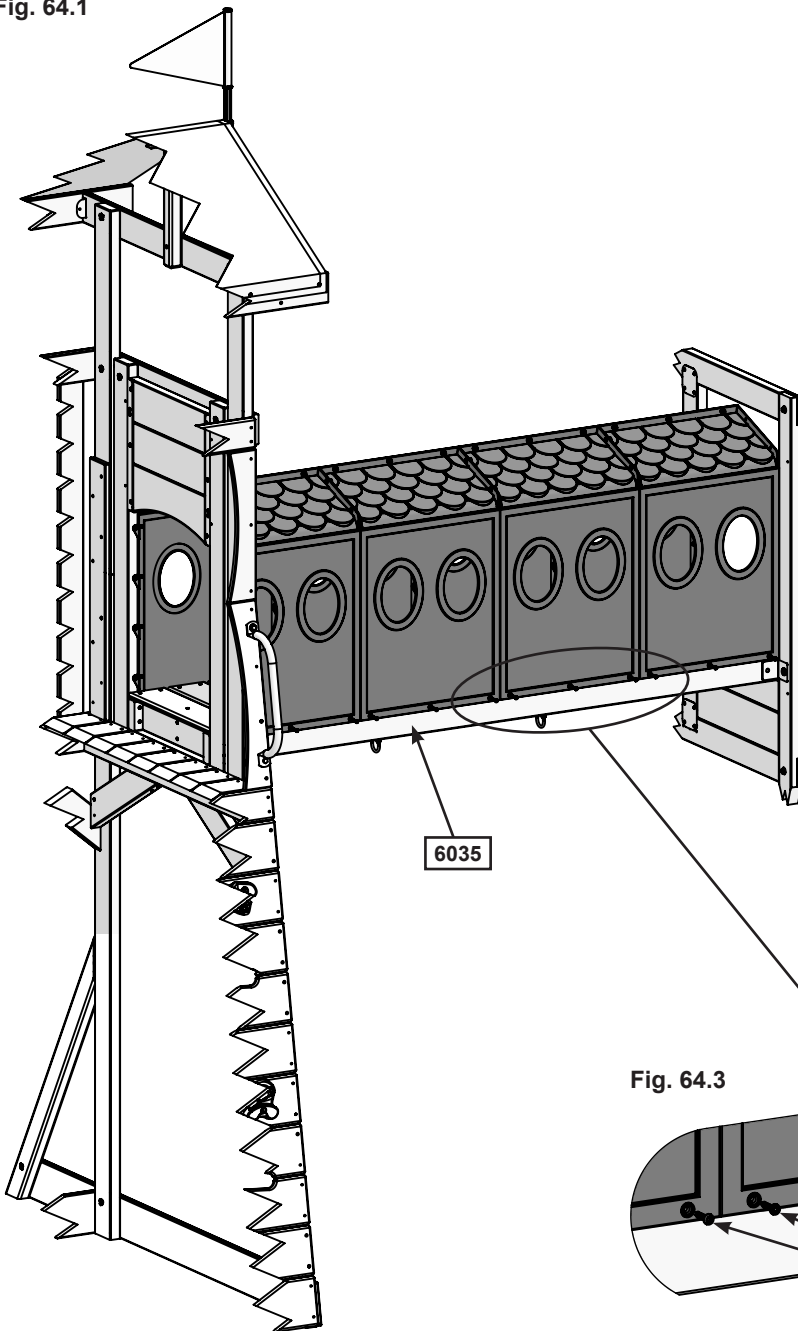


Fig. 64.2
Side View

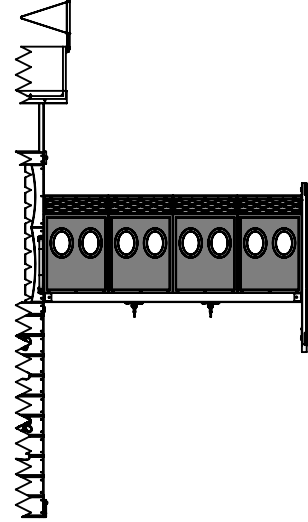
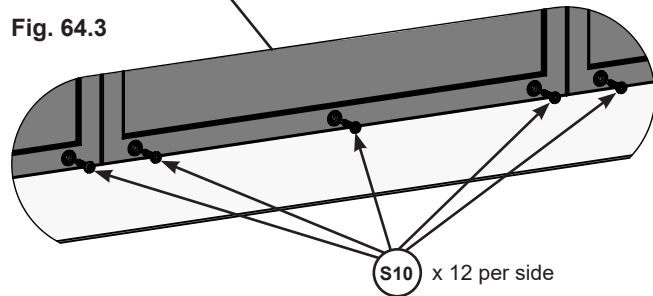



Fig. 64.3



Hardware

24 x  #8 x 1" Pan Screw

Step 64: Attach MOD Tunnel Part 2

B: From inside the fort attach 1 (6037) Tunnel Top to the Wall Support using 2 Flat Panel Brackets and 8 (S0) #8 x 7/8" Truss Screws. (fig. 64.4 and 64.5)

Fig. 64.4

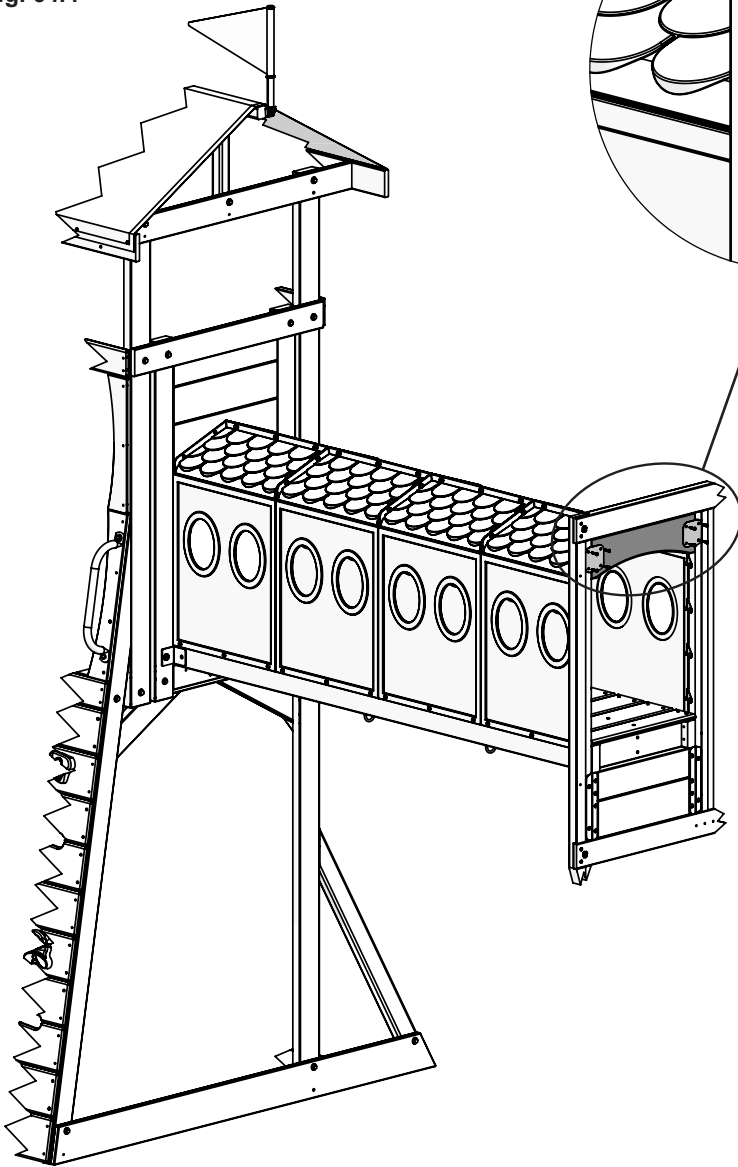
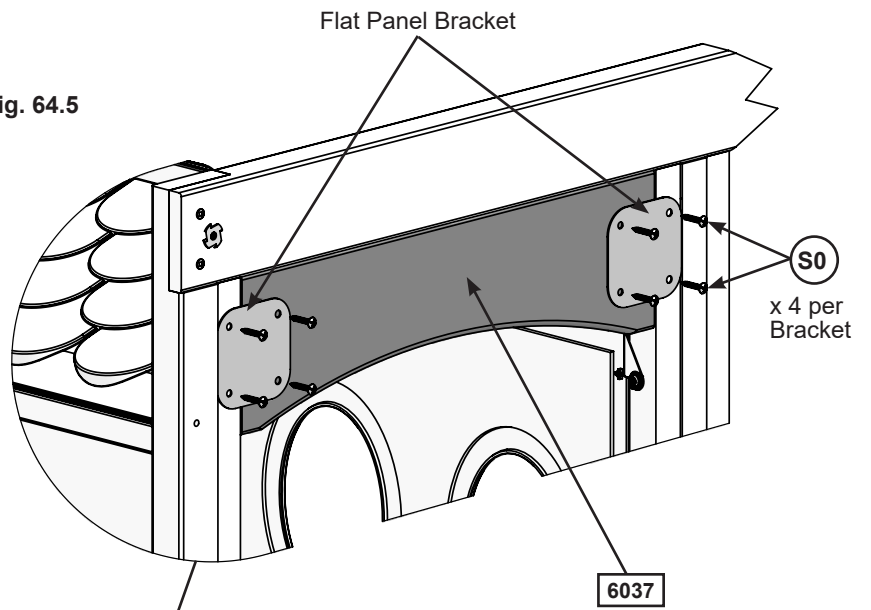


Fig. 64.5



Wood Parts

1 x 6037 Tunnel Top 5/16 x 4-3/4 x 16-7/8"

Hardware

8 x S0 #8 x 7/8" Truss Screw

Other Parts

2 x 3200636

Step 65: Secure Tunnel to Entrances

A: Make sure tunnel is tight to both entrances. From inside the tower and the fort attach the tunnel with 8 (S10) #8 x 1" Pan Screws per side. (fig. 65.1 and 65.2)

B: From outside the assembly attach Tunnel to the (6037) Tunnel Top on one side and to the (6038) Upper Tunnel Insert on the other using 4 (S0) #8 x 7/8" Truss Screws per side. (fig. 65.1& 65.3 and 65.4)

Fig. 65.2

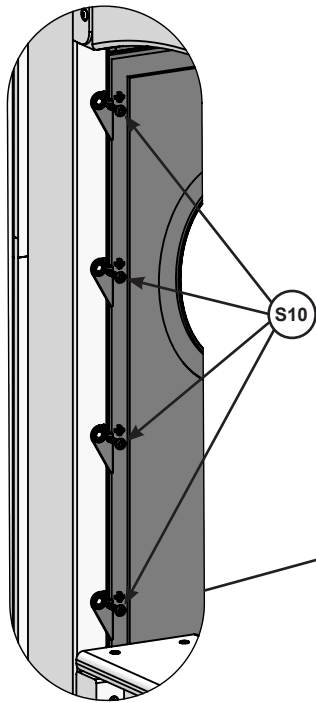


Fig. 65.1

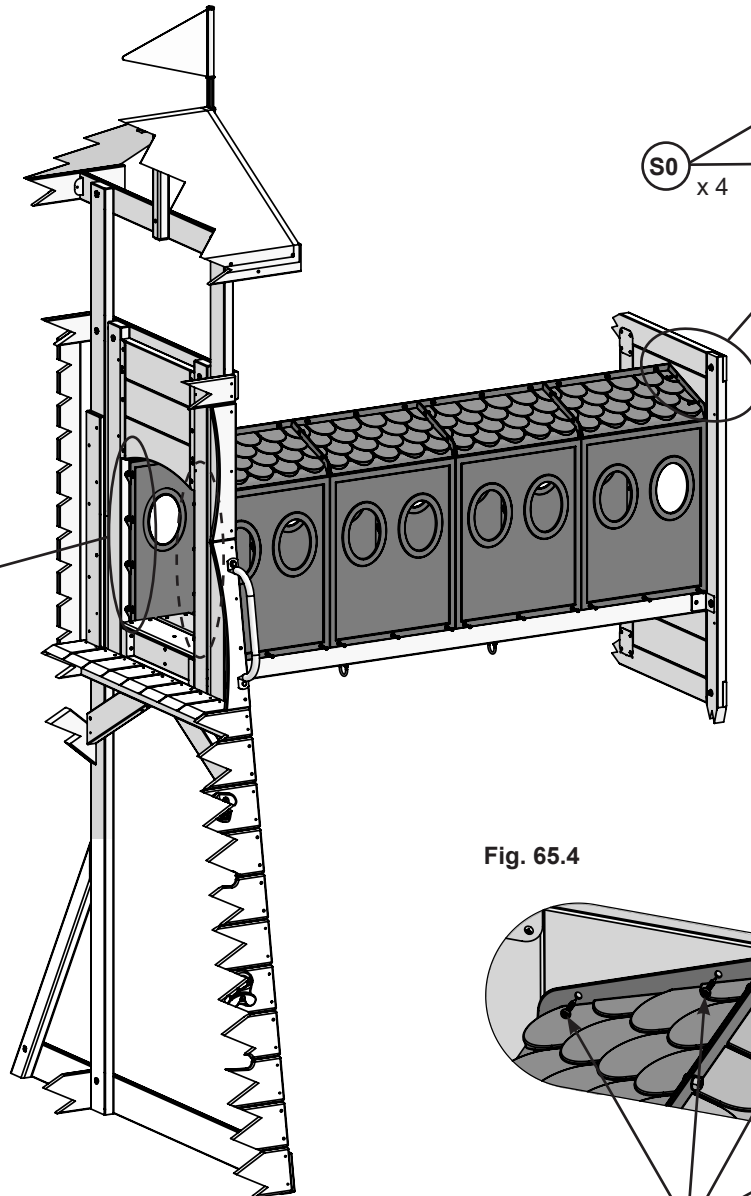


Fig. 65.3

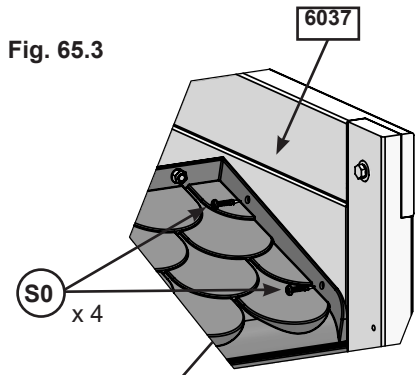
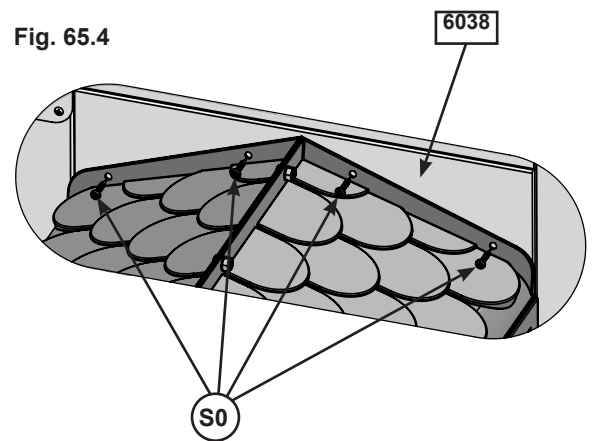




Fig. 65.4



Hardware

- 16 x  #8 x 1" Pan Screw
- 8 x  #8 x 7/8" Truss Screw

Step 66: Attach Tire Swing Part 1

A: Insert the eyebolts on the Tire Rope and Chains into the tire as shown in fig. 66.1. Attach using 1 flat washer and 1 lock nut per eyebolt. (fig. 66.1 and 66.2)

Fig. 66.1

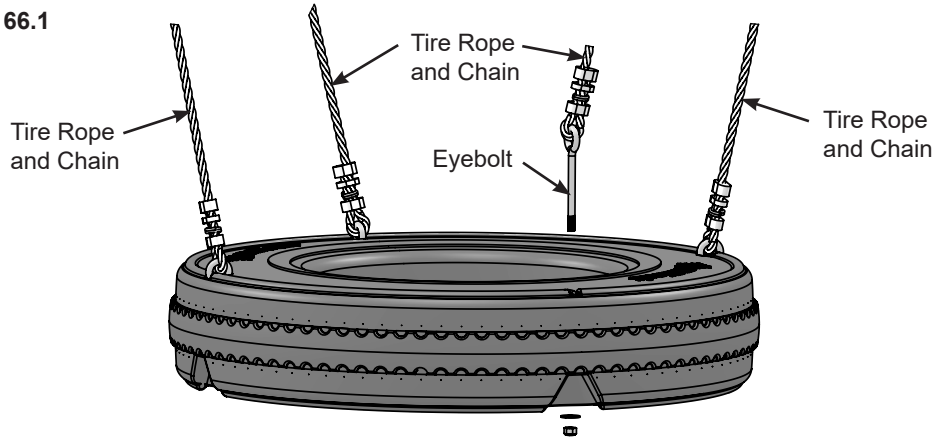
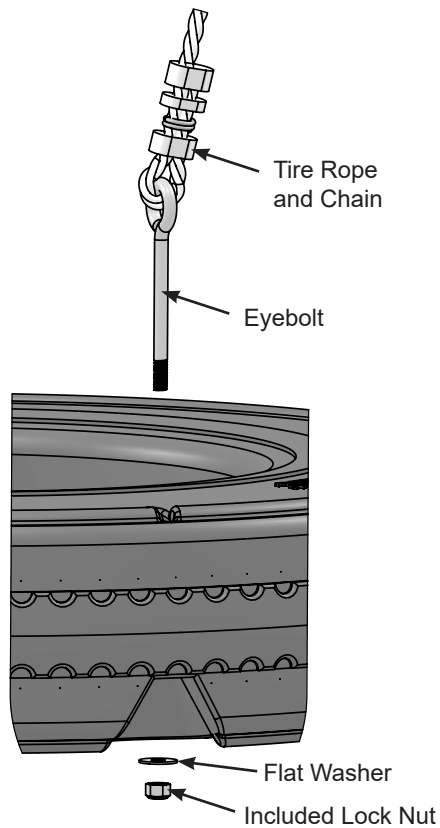


Fig. 66.2



Other Parts

4 x Tire Rope and Chain
1 x 3320702

Step 66: Attach Tire Swing Part 2

B: Attach Tire Rope and Chain to the swing hangers as shown in fig. 66.3, 66.4 and 66.5.

Fig. 66.3

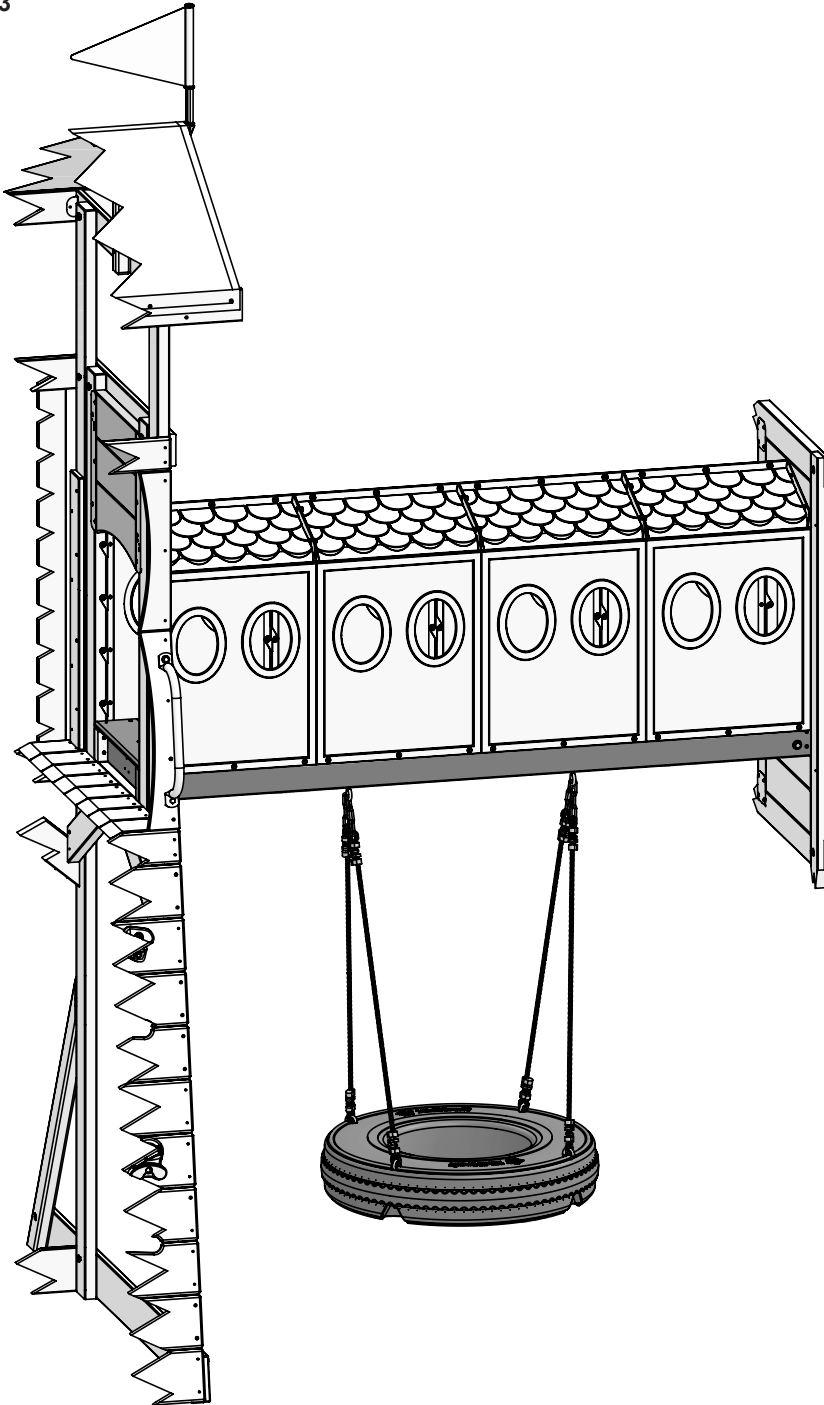


Fig. 66.4

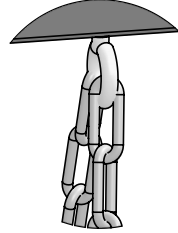
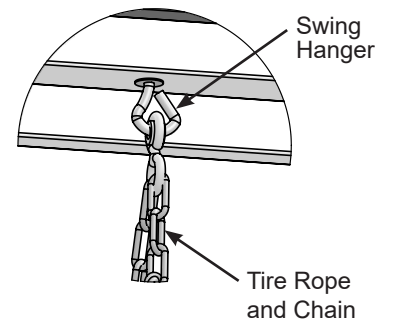


Fig. 66.5



Step 67: Install Ground Stakes



A: In the 4 places shown in (fig. 67.2) drive the Rebar Ground Stakes 13" (330mm) into the ground against the boards. Be careful not to hit the washer while hammering stakes into the ground as this could cause the washer to break off.

B: Attach 1 ground stake to each (6026) Rock Rail, the (6002) Long Post and to (0369) Lower Diagonal using 1 (S7) #12 x 2" Pan Screw per ground stake as shown in (fig. 67.1 & 67.2)

C: After driving stakes into the ground, check for sharp edges caused by the impact of the hammer. Smooth any sharp edges from impact area and touch up with outdoor paint.

⚠ Warning! To prevent tipping and avoid potential injury, stakes must be driven 13" (330mm) into ground. Digging or driving stakes can be dangerous if you do not check first for under-ground wiring, cables or gas lines.

Fig. 67.1

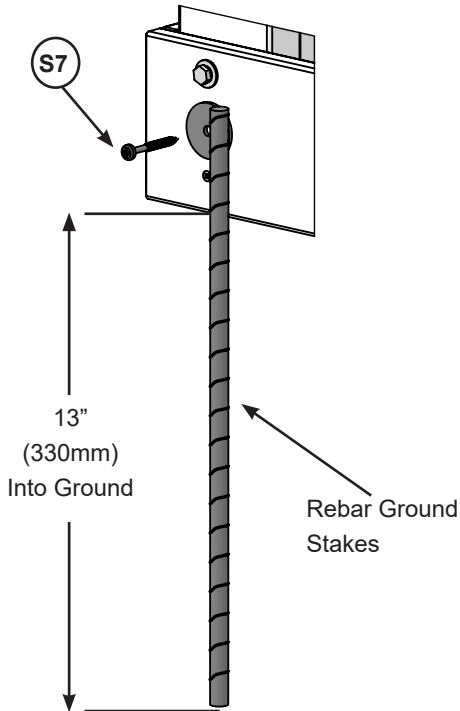
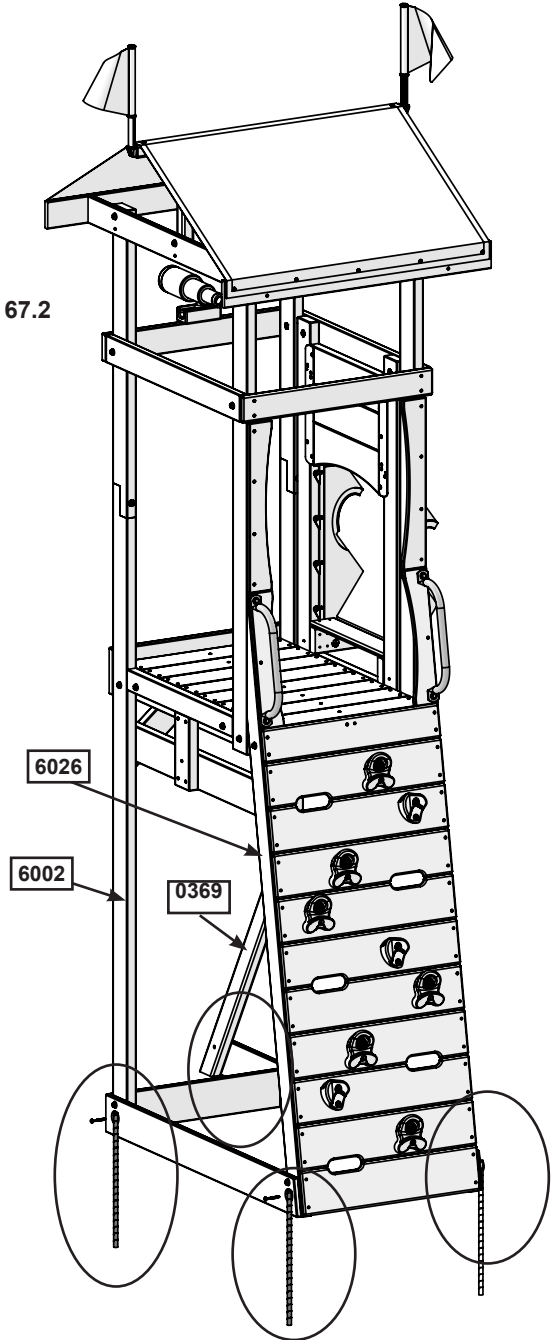


Fig. 67.2



Hardware

4 x (S7) #12 x 2" Pan Screw

Other Parts

4 x Rebar Ground Stake

Adventure Tower Assembly

Step 68: Sand and Water Table Assembly

Part 1

A: Place 2 (6015) Box Legs so that the cut outs are on the outside and at the bottom. Place 1 (6004) Box Bottom across the top of the boards making sure that all top holes line up. Attach with 4 (H2) ¼ x 2" Hex Bolts (with flat washer, lock washer and t-nut) making sure that the t-nuts are installed into the Box Bottom. (Fig.68.1 & 68.2)

B: Fit 1 (6011) Box Side into the cut outs on each (6015) Box Leg and attach with 1 (H12) ¼ x 3" Hex Bolt (with flat washer, lock washer and t-nut) per side. (Fig.68.1 & 68.2).

C: From inside the frame place 1 (8832) Box End so that it's pressed up flush to both (6015) Box Legs with the pre-sunk holes at the bottom and towards the outside (Fig.68.3). Attach with 2 (H1) ¼ x 1-1/2" Hex Bolts (with flat washer, lock washer and t-nut), 2 (S15) #8 x 1-3/4" Wood Screws and 2 (S4) #8 x 3" Wood Screws as shown in (Fig.68.1 & 68.2).

Fig. 68.1

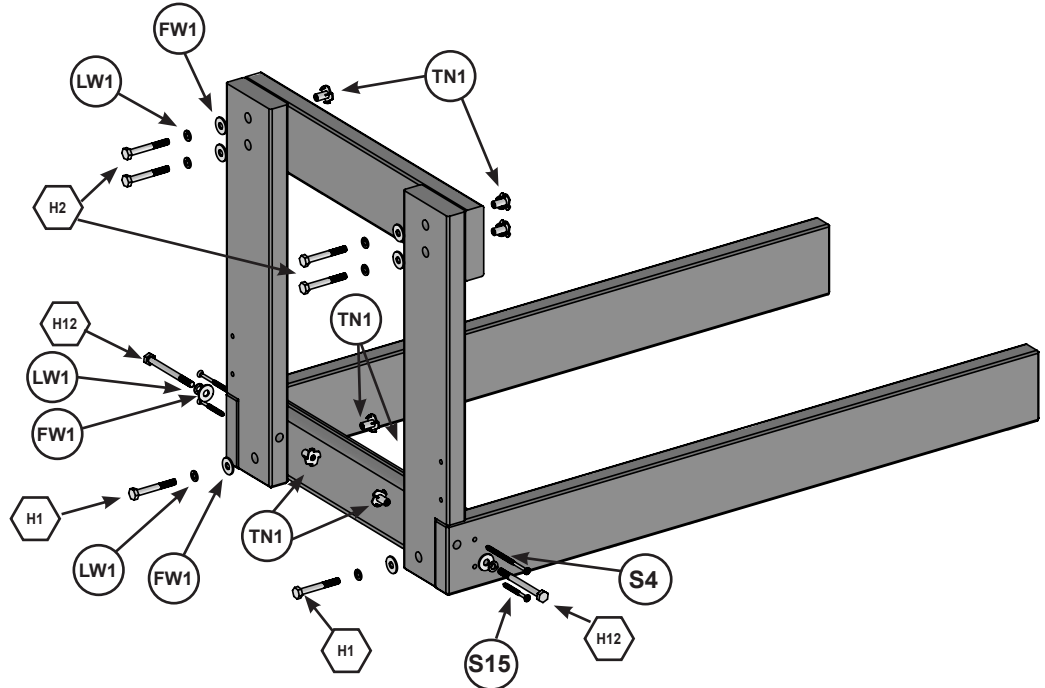
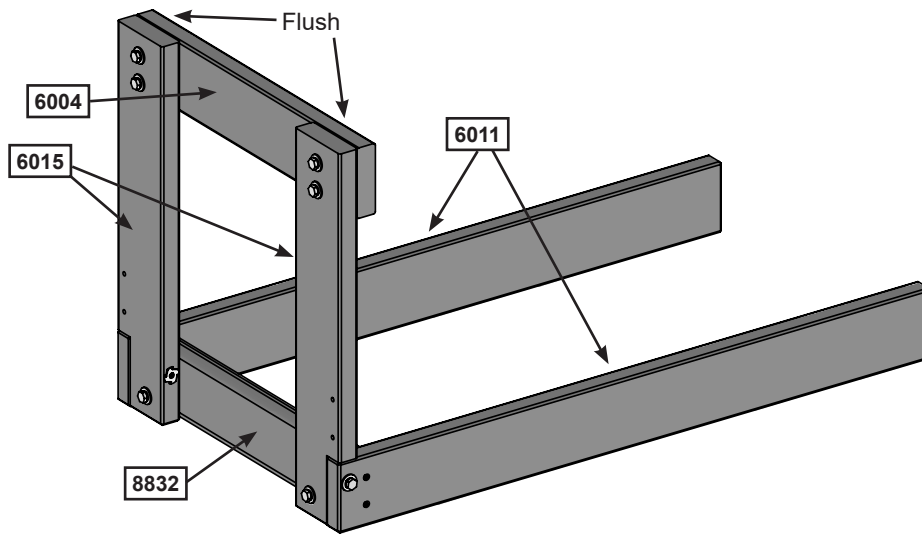


Fig. 68.2



Wood Parts

- 1 x **6004** Box Bottom 15/16 x 3-1/4 x 16-1/8"
- 2 x **6015** Box Leg 15/16 x 3-1/4 x 17-1/2"
- 2 x **6011** Box Side 15/16 x 3-1/4 x 30-1/4"
- 1 x **8832** Box End 15/16 x 3-1/4 x 14-1/4"

Hardware

- 2 x **S4** #8 x 3" Wood Screw 2 x **S15** #8 x 1-3/4" Wood Screw
- 2 x **H12** ¼ x 3" Hex Bolt (LW1, FW1, TN1)
- 2 x **H1** ¼ x 1-1/2" Hex Bolts (LW1, FW1, TN1)
- 4 x **H2** ¼ x 2" Hex Bolts (LW1, FW1, TN1)