

HEX ROOF ASSEMBLY

R5-1803

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Assembly View

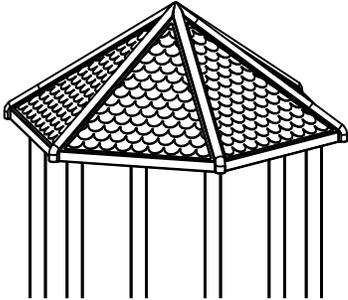


Figure 2

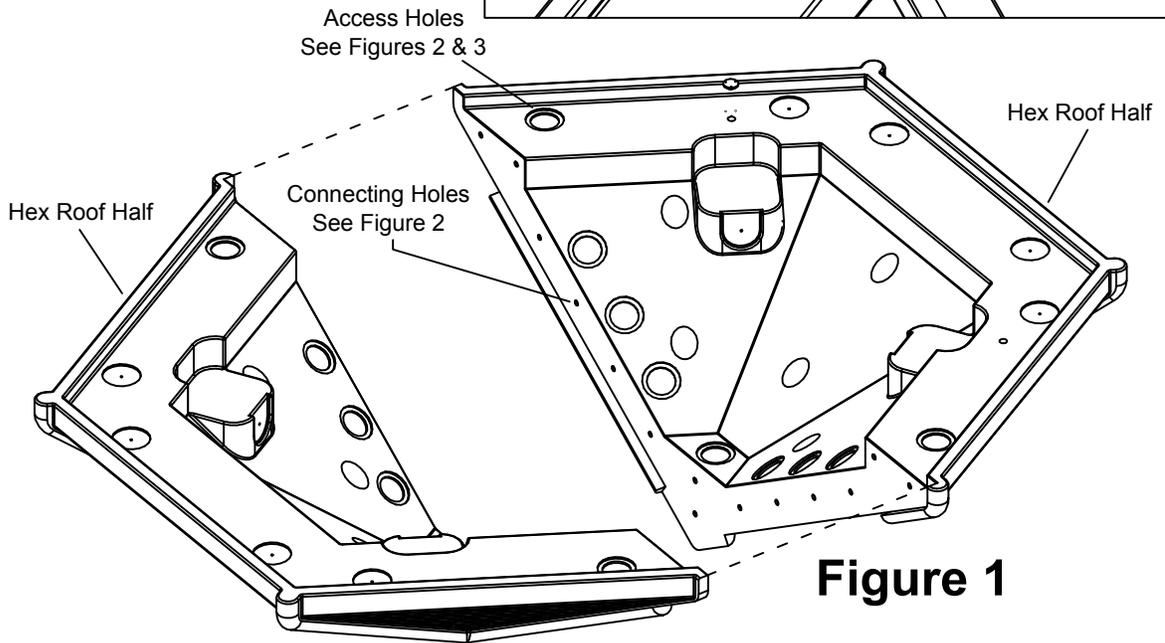
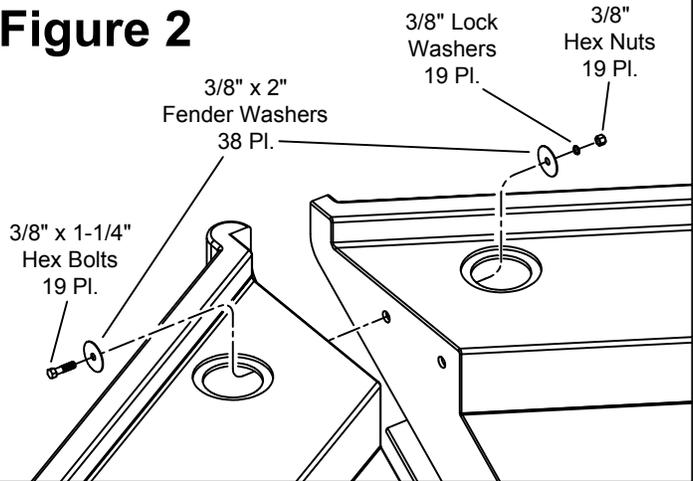


Figure 3

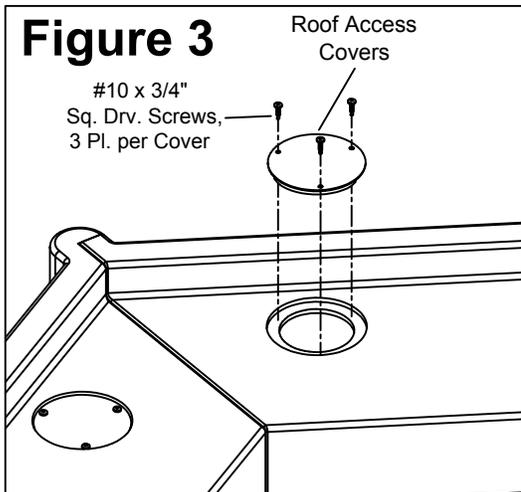


Figure 4

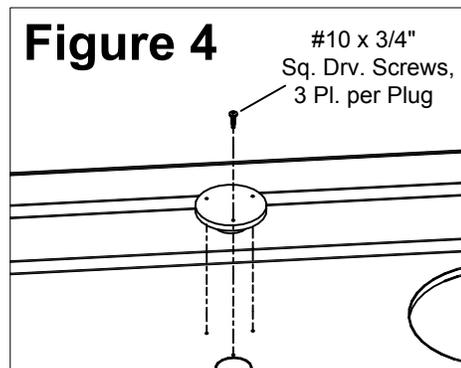


Figure 5

Roof Support
Casting Layout
(Underside)

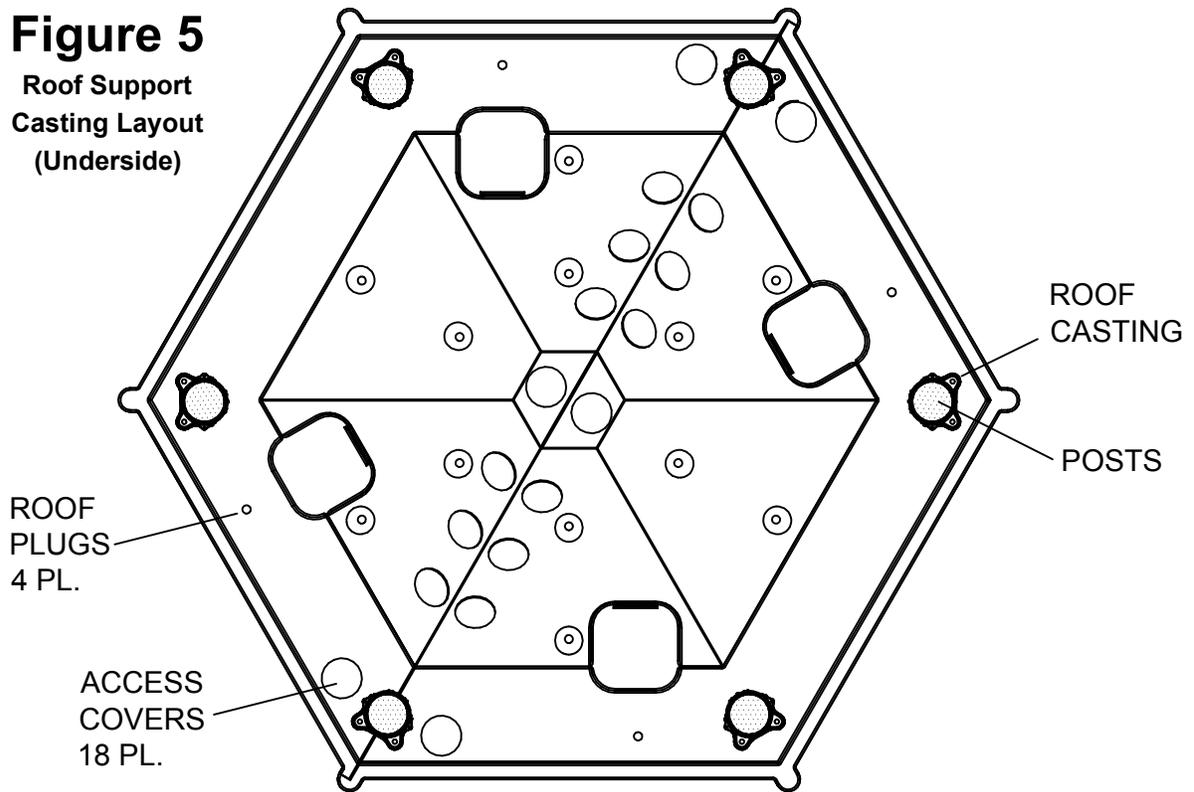
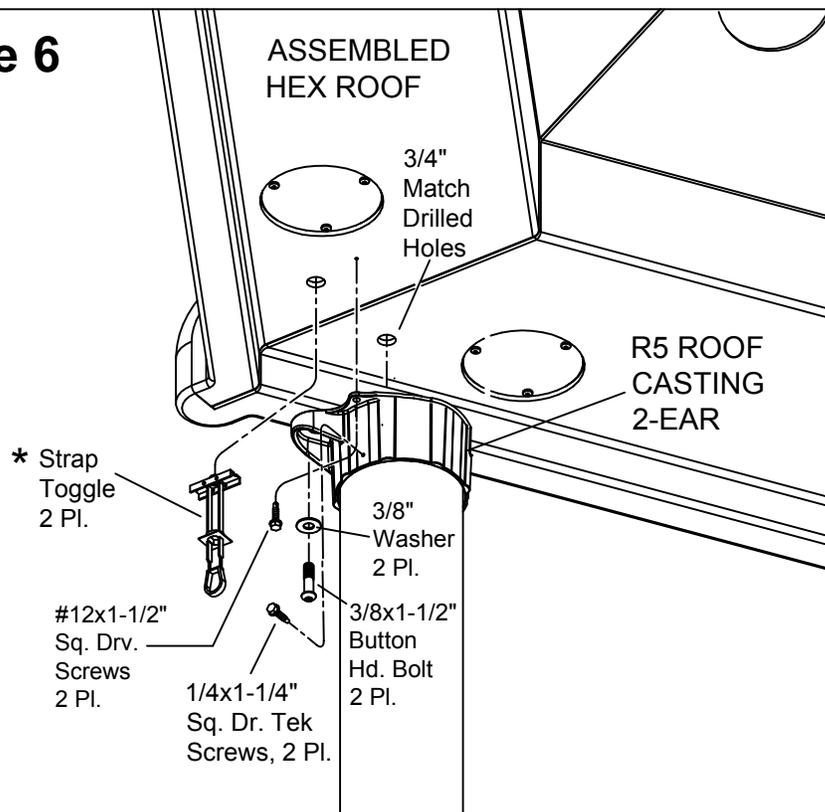


Figure 6



Parts List

<u>QTY.</u>	<u>DESCRIPTION</u>	<u>PART #</u>
2	Hex Roof Halves	4308
18	Roof Access Covers #2	4449
4	Roof Hole Plug	4450
6	Roof Casting 2-Ear (R5)	7163
12	3/8"x1-1/2" Button Hd. Bolts	9103072-TR
14	3/8"x1-1/4" Hex Bolts	9123061
12	#12x1-1/2" Sq. Drv. Screws	9221272
66	#10x3/4" Sq. Drv. Screws	9251032
12	1/4"x1-1/4" Sq. Drv. Tek Screws	9271060
28	3/8"x2" Fender Washers	9323091
12	3/8" Washers	9333002
14	3/8" Lock Washers	935302P
14	3/8" Hex Nuts	9483601
12	3/8" Strap Toggle Fasteners	9643160

Installation

Notes:

(A) Use Posts *without* caps.

(B) Snug tighten all fasteners during assembly. After assembly, check position and tighten the fasteners fully.

(C) Use liquid thread lock (such as Loctite) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

* (D) Caution must be given to Toggle assembly as parts may become fragile during insertion and final securing.

Step 1.

Join (2) Hex Roof Halves as shown in Figures 1 & 2.

Step 2.

Attach (18) Roof Access Covers as shown in Figure 3.

Step 3.

Attach (4) Roof Hole Plugs as shown in Figure 4.

Step 3.

Place the (6) Roof Support Castings over the Posts and align them as shown in Figure 5.

Step 4.

Position & Center the assembled Hex Roof on the Roof Support Castings.

Step 5.

Mark Roof Support Casting hole positions on Hex Roof.

Step 6.

One at a time, move Roof Support Castings out of position and match drill (2) 3/4" Dia. holes at each casting location. Cinch the (4) Strap Toggle Fasteners into the roof through the 3/4" holes. See Figure 6. Reposition Roof Castings.

Step 7.

Check the Roof Casting alignment & drive (2) #12x1-1/2" Sq. Drive Screws thru the Small holes in the top of each Roof Bracket and into the underside of the Roof. See Figure 6.

Step 8.

Complete the attachment of the Roof to the Roof Castings using the Button Head Bolts and washers as shown in Figure 6.

Step 9.

Drive (2) opposing Tek Screws thru the sides of each Roof Support Casting and into Posts. See Figure 6.

Step 10.

Fully tighten all fasteners.

Specifications

ROOF:

Shall be roto-molded of UV-stabilized polyethylene with an average wall thickness of .250".

ROOF BRACKET:

Shall be precision die-cast from a high strength aluminum alloy. finished with a baked on powder coating.

HARDWARE:

Shall be stainless steel as required to resist rust and corrosion.

ACCESS COVERS / HOLE PLUGS:

Shall be HDPE 1/2" (high-density color plastic).

Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately.

