

WHEN DISASSEMBLING ALUMINUM EXTRUSION, TIGHTEN ALL SETSCREWS AND LOCKS TO PREVENT LOSS DURING SHIPPING

visionary™ DESIGNS

Using Your Setup Instructions

The Visionary Designs Setup Instructions are created specifically for your configuration. They are laid out sequentially, including an exploded view of the entire display, and then a logical series of detailed steps to assemble the main structure and components. We encourage you to study the instructions **before** attempting to assemble your exhibit.

Each page reminds you to tighten the setscrews after disassembling your exhibit to prevent loss of the locks and setscrews (see below in RED). This is **VERY IMPORTANT**.

Cleaning and Packing Your Display

- 1) Use care when cleaning aluminum extrusion or acrylic inserts. Use only non-abrasive cleaners.
- 2) When cleaning laminate inserts or countertops, use mild cleansers and a soft material such as cotton.
- 3) Keep all display components away from extreme heat and long exposure to sunlight to avoid warping and fading.
- 4) Retain all packing material. It will make re-packing much easier and will reduce the likelihood of shipping damage.



The Tool

Most Visionary Designs exhibits can be assembled with the supplied Hex Key Tool. Occasionally, a flat head screwdriver may be required.



Typical Connection



Typical Connection (cont'd)

Most horizontal extrusion connections have a patented expandable lock. This lock inserts into the groove of an opposing extrusion. Tightening the lock with the Hex Key Tool expands the lock and creates a strong positive connection.



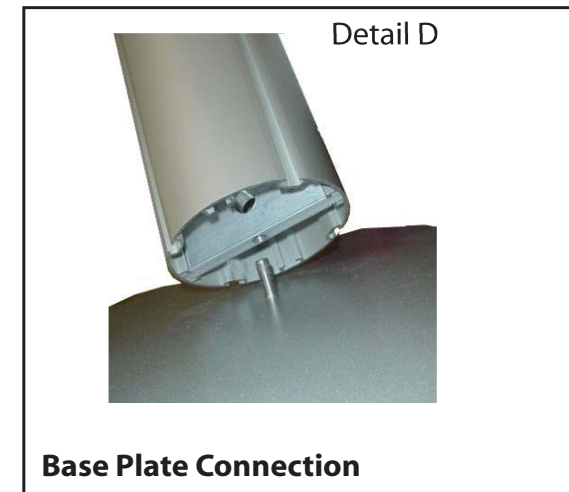
Numbered Label

Each extrusion contains a numbered label which corresponds with setup instructions. The label is located within a groove of the extrusion (when possible). With Visionary Designs the labels contain Black numbers unless otherwise specified.



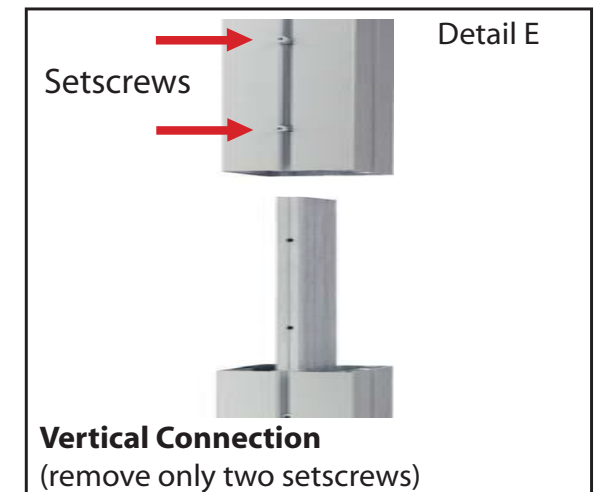
Horizontal Inline Connection (remove only one setscrew)

Remove only (1) setscrew when disassembling. Replace setscrew in extrusion after assembling it. Before packing, replace setscrew in extrusion to avoid losing it.



Base Plate Connection

Attach base plate to round or square vertical extrusion using the bolt provided. Be careful not to strip the threads.



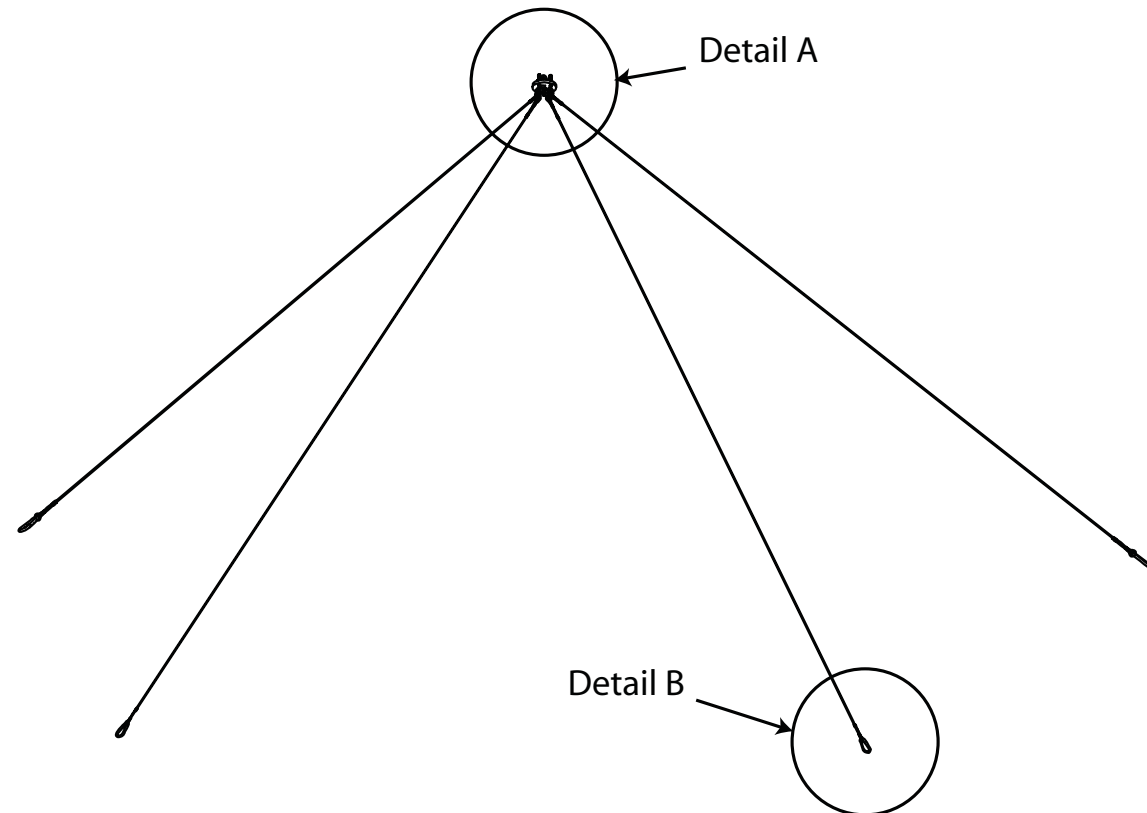
Vertical Connection
(remove only two setscrews)

When vertical extrusions are packed in portable cases rather than crates or tubs, they must be broken down into smaller sections which then require assembly.

Remove only (2) setscrews when disassembling. Replace setscrews in extrusion after assembling it. Before packing, replace setscrews in extrusion to avoid losing them.

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Engineering Specifications



Construction consists of the following materials:

1. 302/304 (1/8") Stainless Steel Cable (Rated at 1760 lbs break strength)
2. Plated Spring-loaded Interlocking Snaps (Rated at 280 lbs working load)
3. Nicoperss Oval Sleeves (Holding strength rated at 900 lbs)
4. 0.25" x 4" Diameter T6061 Aluminum Plate
5. Eye Bolts (Rated 900 lbs on vertical lift and 450 lbs on 45 degree lift)

Harness Strength Calculation

Hanging sign weight is calculated based on weight of the structure and the weight of the fabric:

1. The weight of the structure material is 0.29 lbs per linear feet
2. The weight of the fabric is 0.04 lbs per sq. feet

Based on information above, one string of the harness at a standard 45 degree sling angle will accommodate 163 sq. feet surface measured sign. The vertical string will hold 233 sq. feet surface measured sign.

NOTE: If motor used for rotation, see motor specification.

Detail A

Harness Head Assembly

Classic Rotating Motor Specifications
**Optional

MK	Qty	Desc
10e	1	.313 Nylok Hex Nut
10c	2	.125 Copper Stop 520-20040
10f	1	.313 Kidney Snap 434-24905
		Typical 4 Places

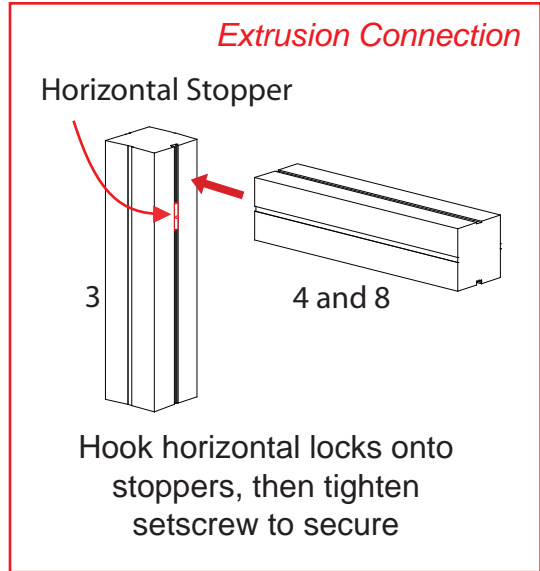
MODEL IG-4 HANGING ROTATOR
(NO SPINNING POWER CORD)
PART # 150001 021HANG

HANGING WEIGHT CAPACITY: 200 LBS.
 AVAILABLE RPM SPEEDS: 1, 2(STD), 3, 4, 6
 MOTOR DRAW: 0.1A (12w)
 SAFETY CLUTCH: YES

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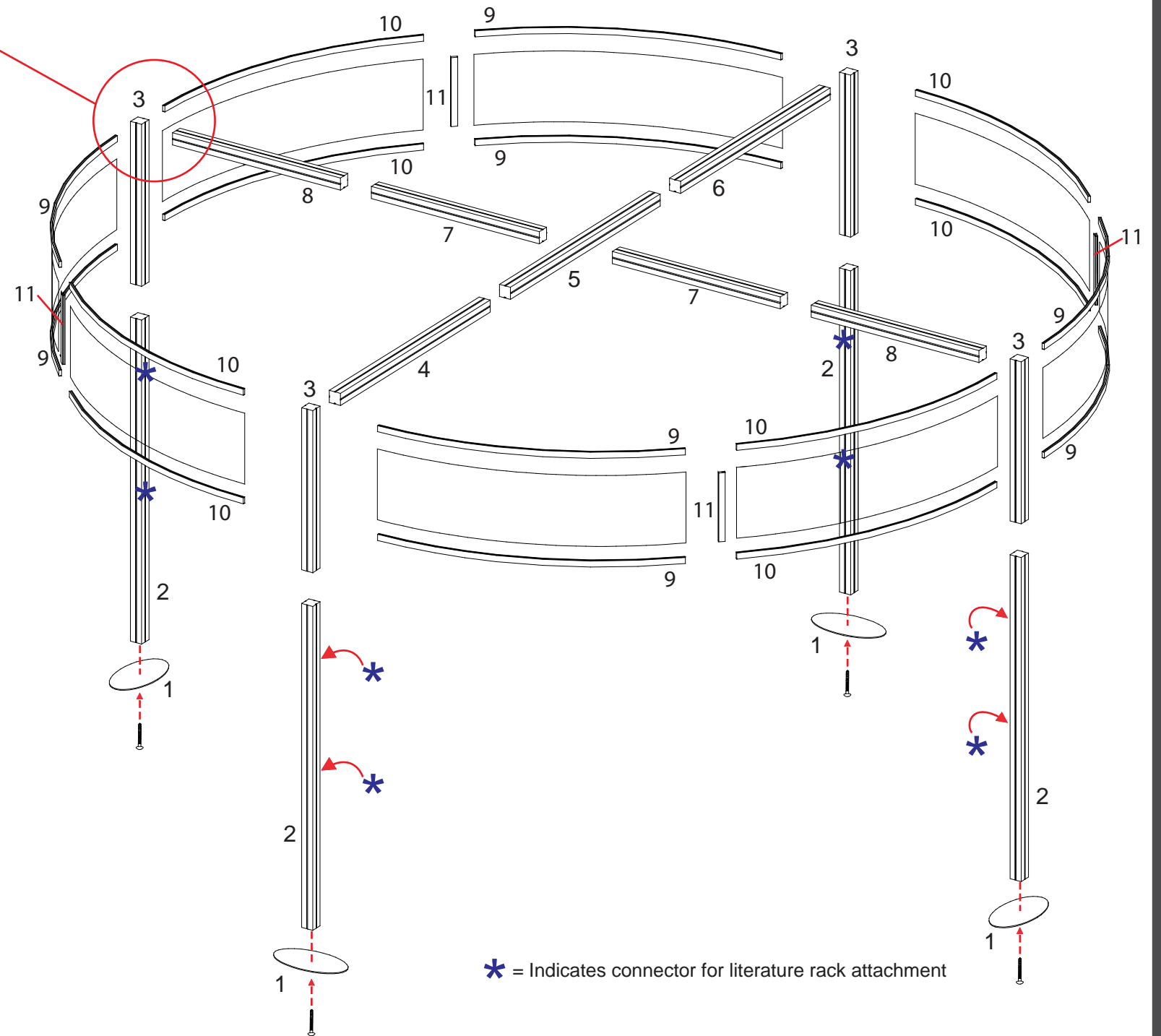
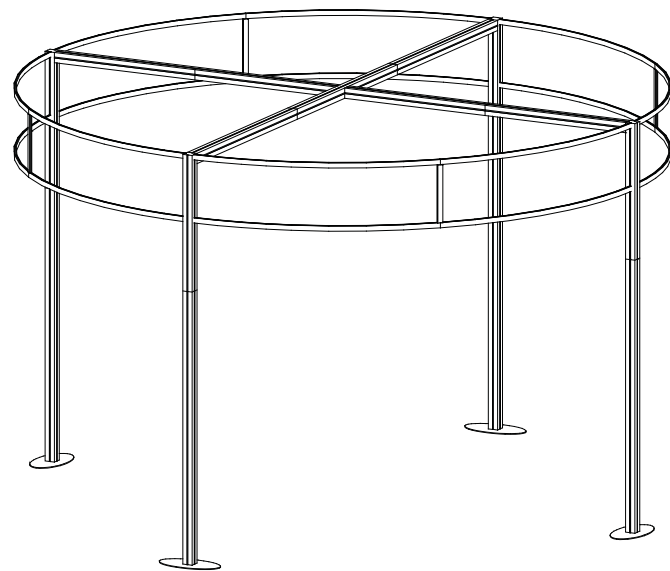
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Item	Qty.	Description
1	4	Oval Base Plate
2	4	96" Square Extrusion
3	4	48" Square Extrusion
4	1	73.319" Square Extrusion
5	1	73.319" Square Extrusion
6	1	73.319" Square Extrusion
7	2	54.094" Square Extrusion
8	2	54.094" Square Extrusion
9	8	Curved Extrusion
10	8	Curved Extrusion
11	4	20.418" h Extrusion



Steps:

- 1) Attach extrusions [2] to base plates [1].
- 2) Attach extrusions [3] to extrusions [2].
- 3) Connect curved extrusions together [9 to 10].
- 4) Connect square extrusions [4, 5 and 6] together.
- 5) Connect square extrusions [7 and 8].
- 6) Attach extrusion assembly [4/5/6] between vertical assemblies [1/2/3].
- 7) Attach extrusion assemblies [7/8] between vertical assemblies [1/2/3] and extrusion [5].
- 8) Connect curved extrusion assemblies [9/10] between vertical assemblies [1/2/3], placing inserts between upper and lower curved extrusions [9/10] and attaching separator extrusions [11] between graphic inserts.



* = Indicates connector for literature rack attachment

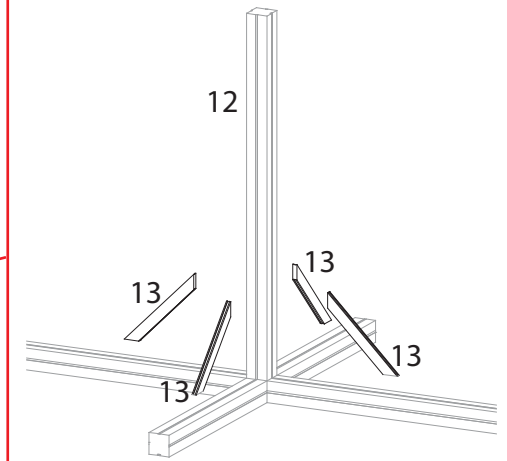
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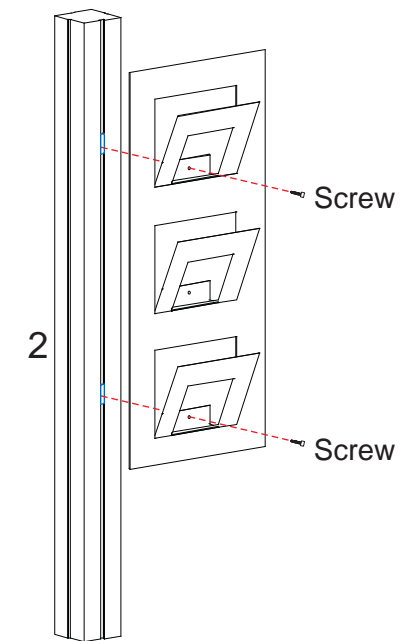
Steps:

- 1) Attach square [12] to top of structure.
- 2) Attach extrusions supports [13], see Extrusion Support Attachment.
- 3) Attach graphic to uprights, see Graphic Attachment.
- 4) Attach literature racks to uprights, see Literature Rack Attachment.

Extrusion Support Attachment

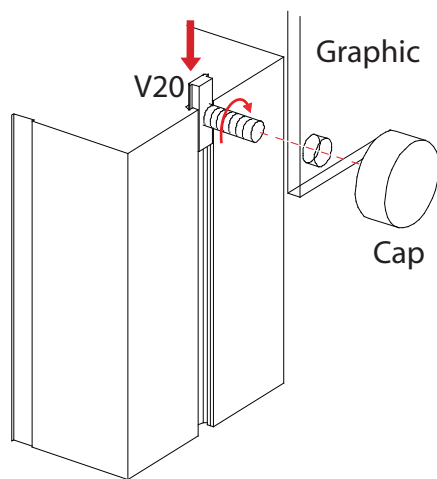


** Literature Rack Attachment*

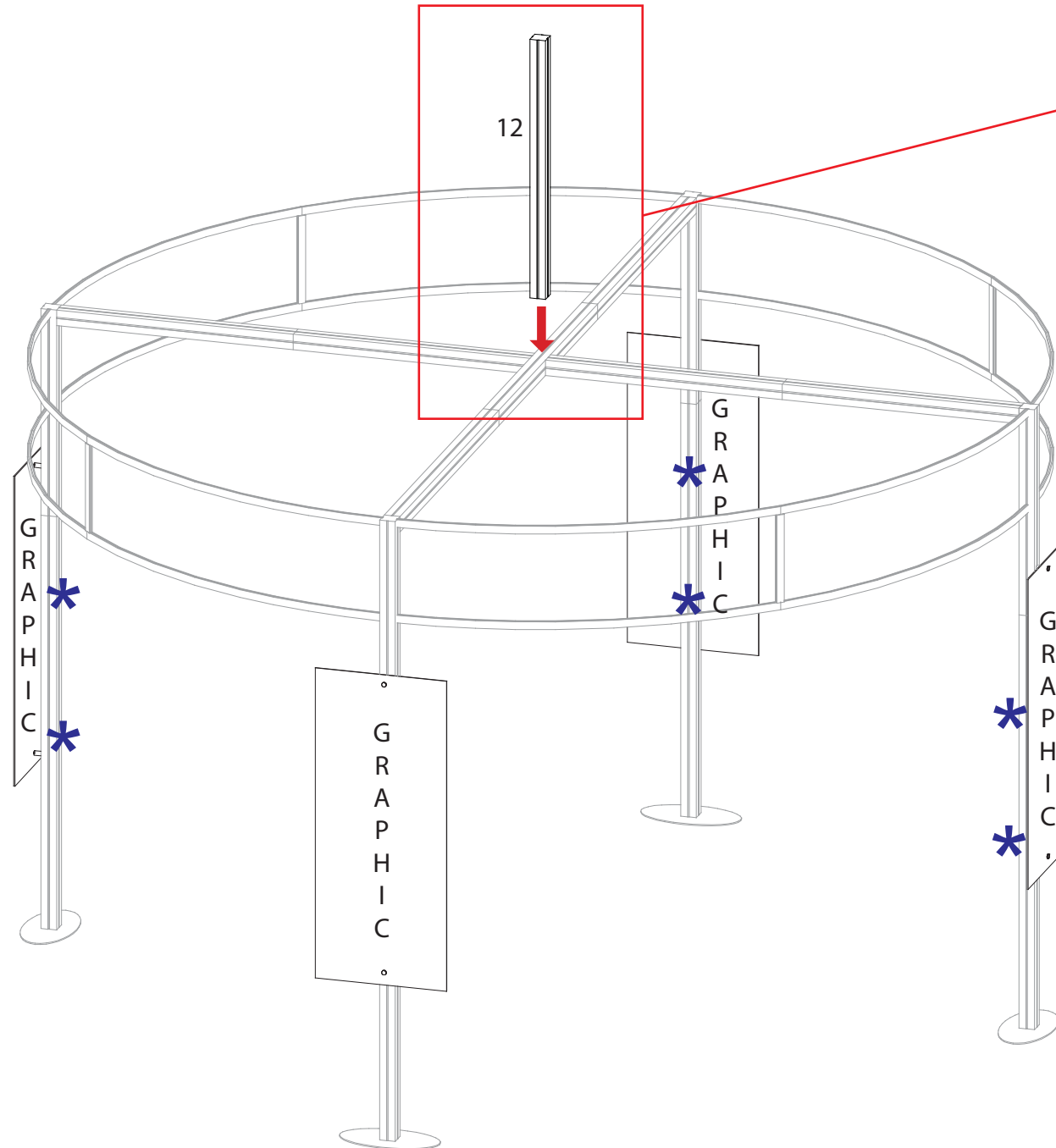


Attach literature racks to connectors located on vertical extrusions [3] where indicated.

Graphic Attachment



Attach V20s in place, then hang graphics on and secure with caps.



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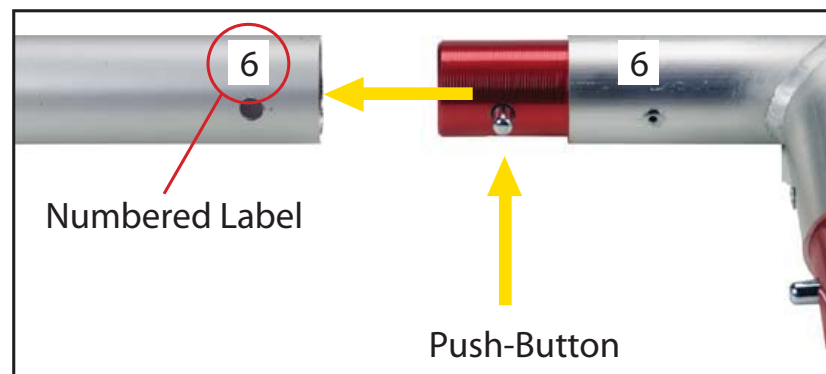
Using Your Setup Instructions

The Aero Overhead Sign Setup Instructions are created specifically for your configuration. They include an exploded view of the frame which is sequentially numbered. We encourage you to study the instructions before attempting to assemble your exhibit.

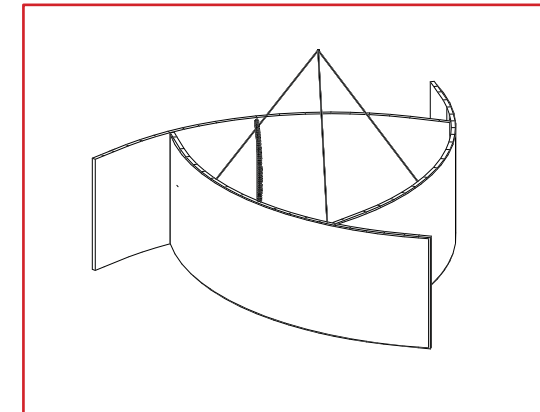
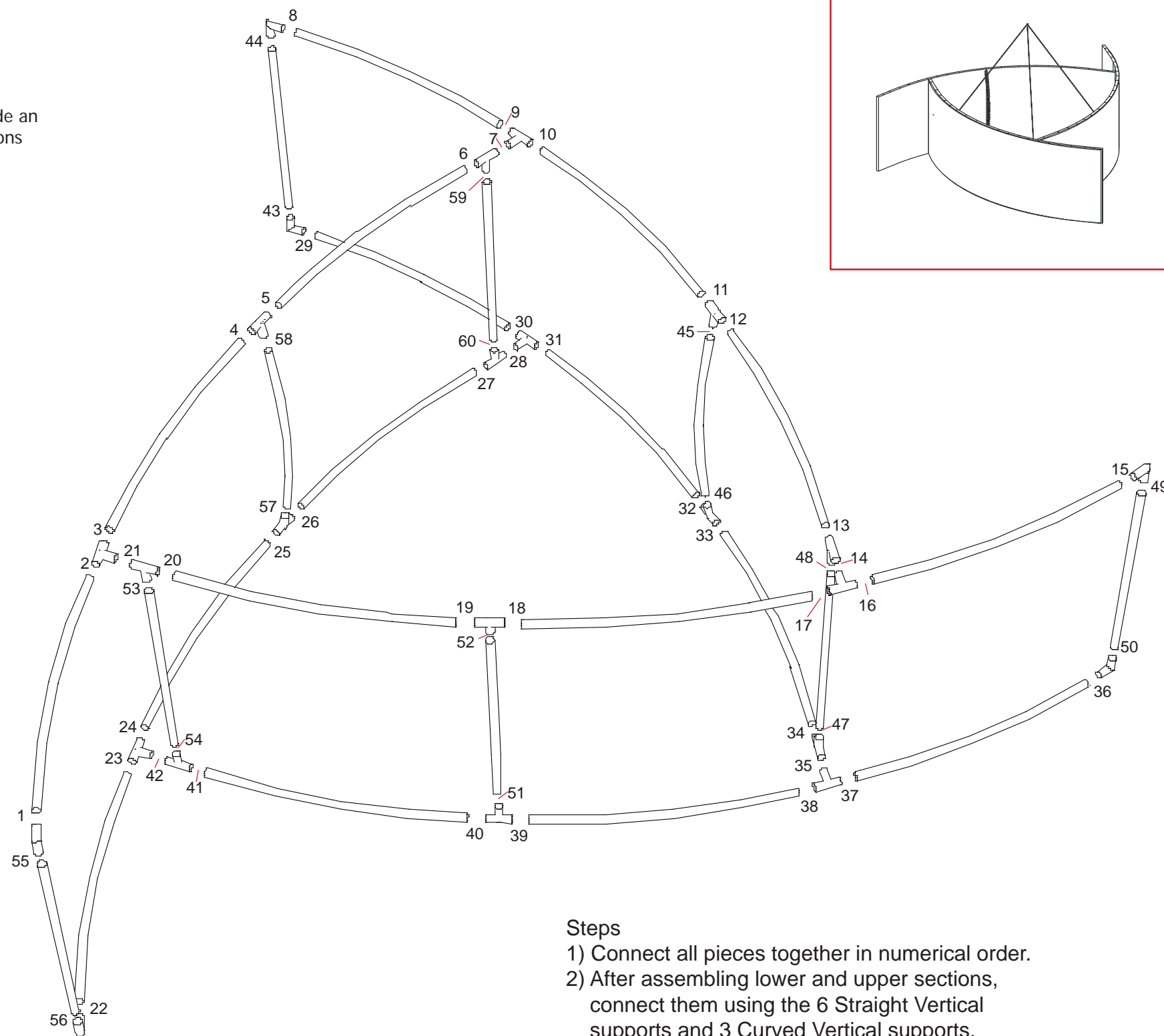
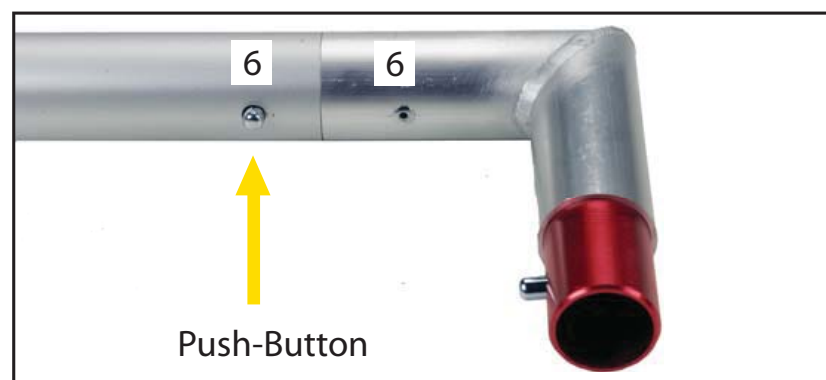
Connections are kept very simple: no tools. Everything assembles with push-button connectors and pre-connected horizontal sections.

Cleaning and Packing Your Display

- 1) Use care when cleaning aluminum extrusion or acrylic inserts. Use only non-abrasive cleaners.
- 2) Retain all packing material. It will make re-packing much easier and will reduce the likelihood of shipping damage.



Connections are made by holding the button down and sliding the red tube into opposing tube until the connection is made. To disassemble push button and pull or twist extrusions apart.

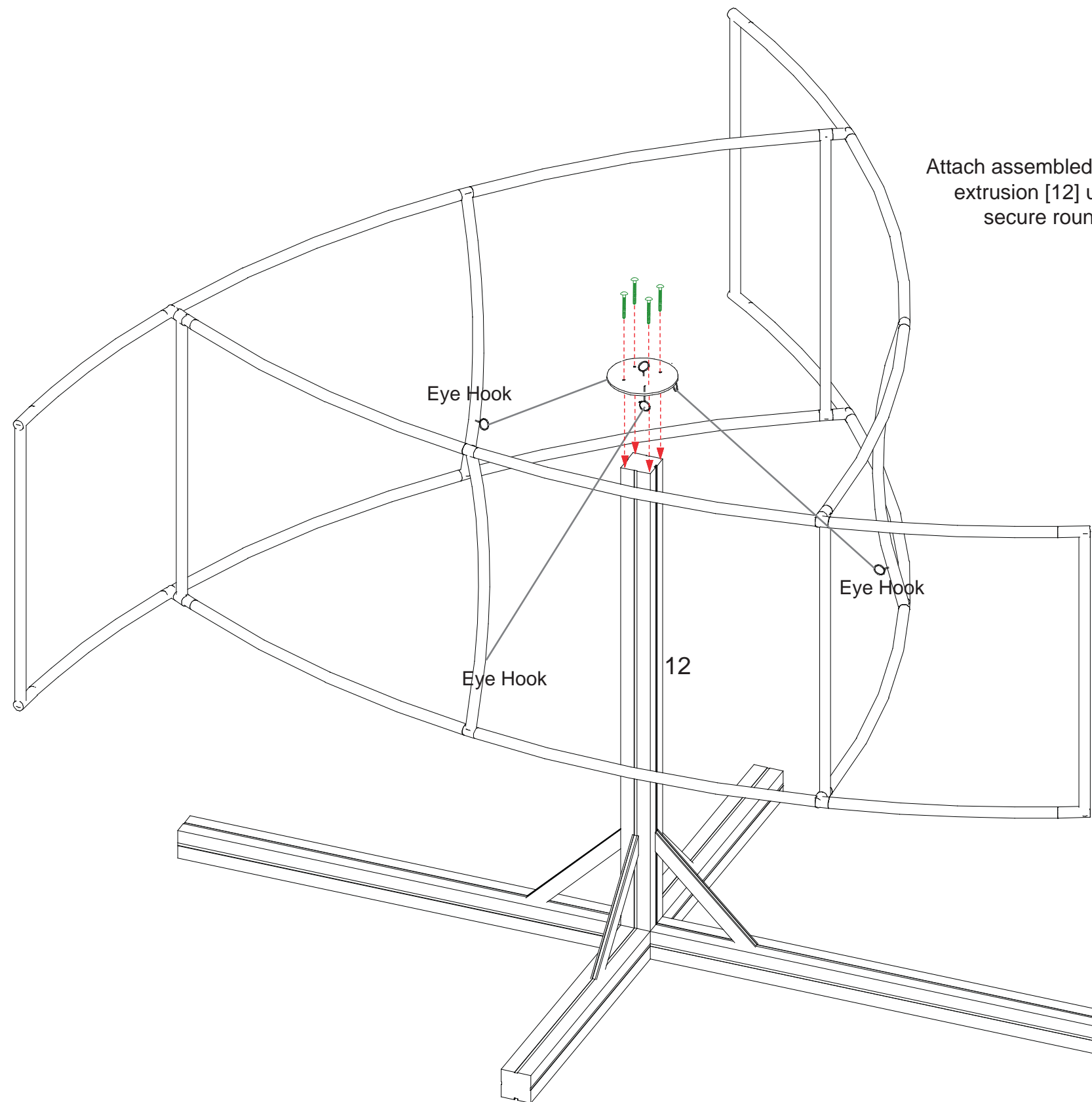


Steps

- 1) Connect all pieces together in numerical order.
- 2) After assembling lower and upper sections, connect them using the 6 Straight Vertical supports and 3 Curved Vertical supports.

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Attach assembled pinwheel structure to top of extrusion [12] using screws provided to secure round plate to t as shown.

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