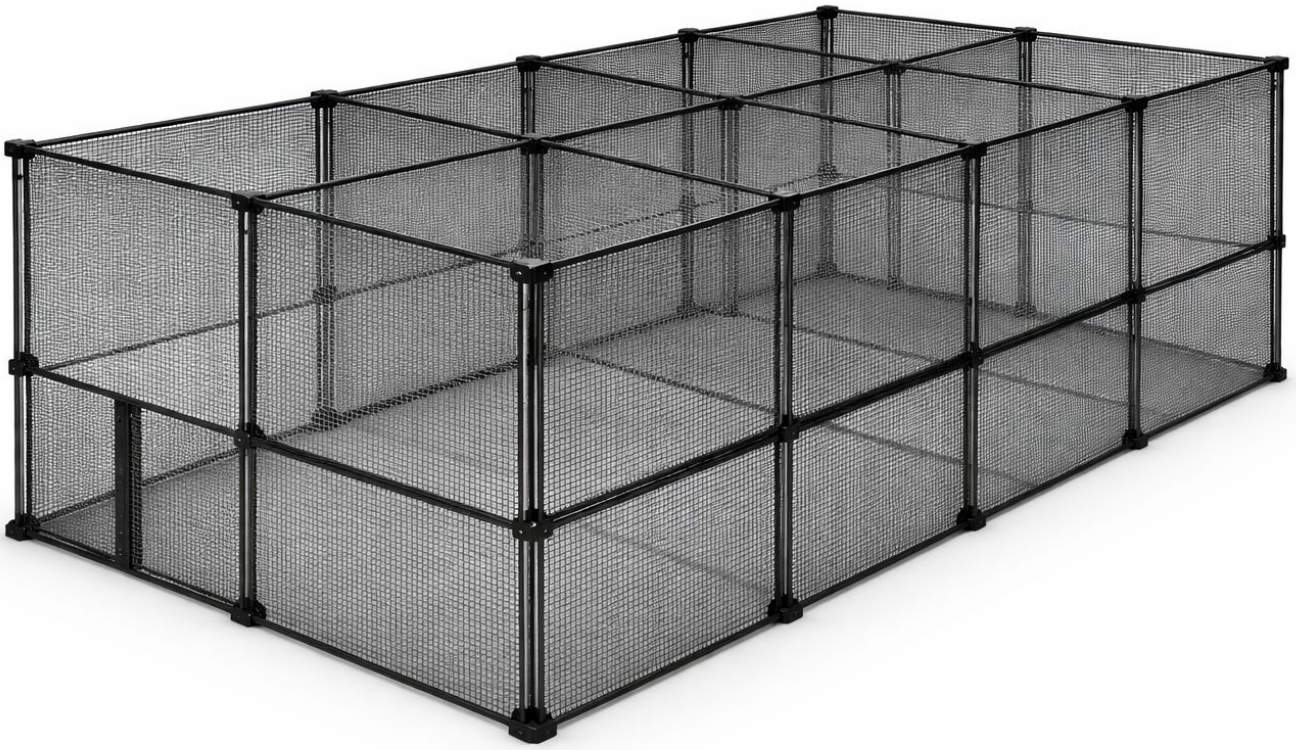
Aerial Drone Competition
Game Element



Competition Cage
Assembly Guide

AERIAL DRONE COMPETITION PRO

Part 0:
Disclaimers & Warranty Info

Disclaimers:

- This product is intended for indoor use.
- Adult supervision is required while drones are operated inside the arena.
- While drones are in operation, students should not be inside the arena; students should stay at least three feet away from the arena.
- Do not allow students to hang or climb on netting.
- Do not hang heavy objects from the structural members of the arena or from the net.
- Students should enter and exit through only the netted door of the arena.
- Drone Competition Gates. is not responsible for bodily injury or property damage that results from misuse of its products. Follow all directions and standard safety procedures to ensure student safety.

Warranty:

- Drone Competition Gates provides a one-year limited warranty against defects in manufacturing on all items purchased. In a warranty situation, Items under warranty will be repaired or replaced at Drone Competition Gates discretion. Customers will be billed for all costs associated with non-warranty items.

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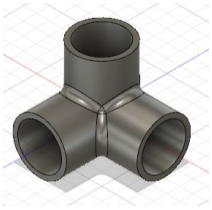
Part 1:
Bill of Materials

Components:

- 68 pipes (1" x 5')
- 8 three-way elbow connectors
- 8 cross connectors
- 9 T connectors
- 12 four-way corner connectors
- 3 couplers
- 14 Netting (5' x 10')
- 4 Netting (5' x 5')
- 2 Nettting with Velcro Door
- 250 bungee cord ties (4")

All Components of the 10' x 10' x 20' cage are made of/for - 1” PVC Schedule 40

68 	8 
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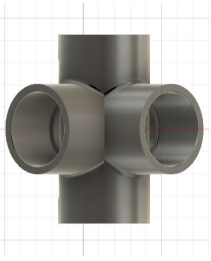
12 	3 

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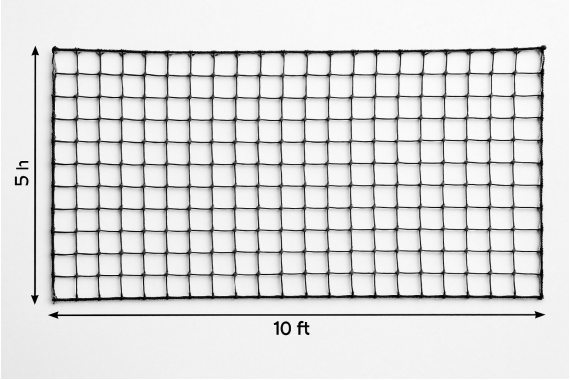

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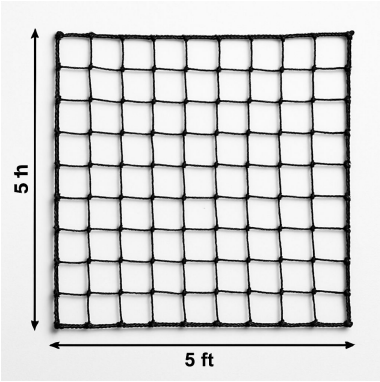

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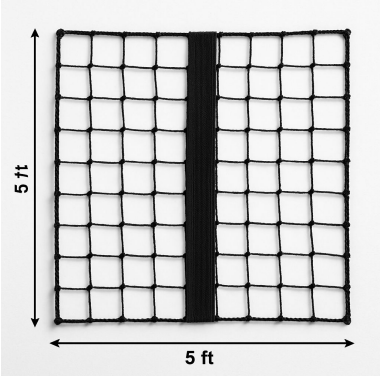

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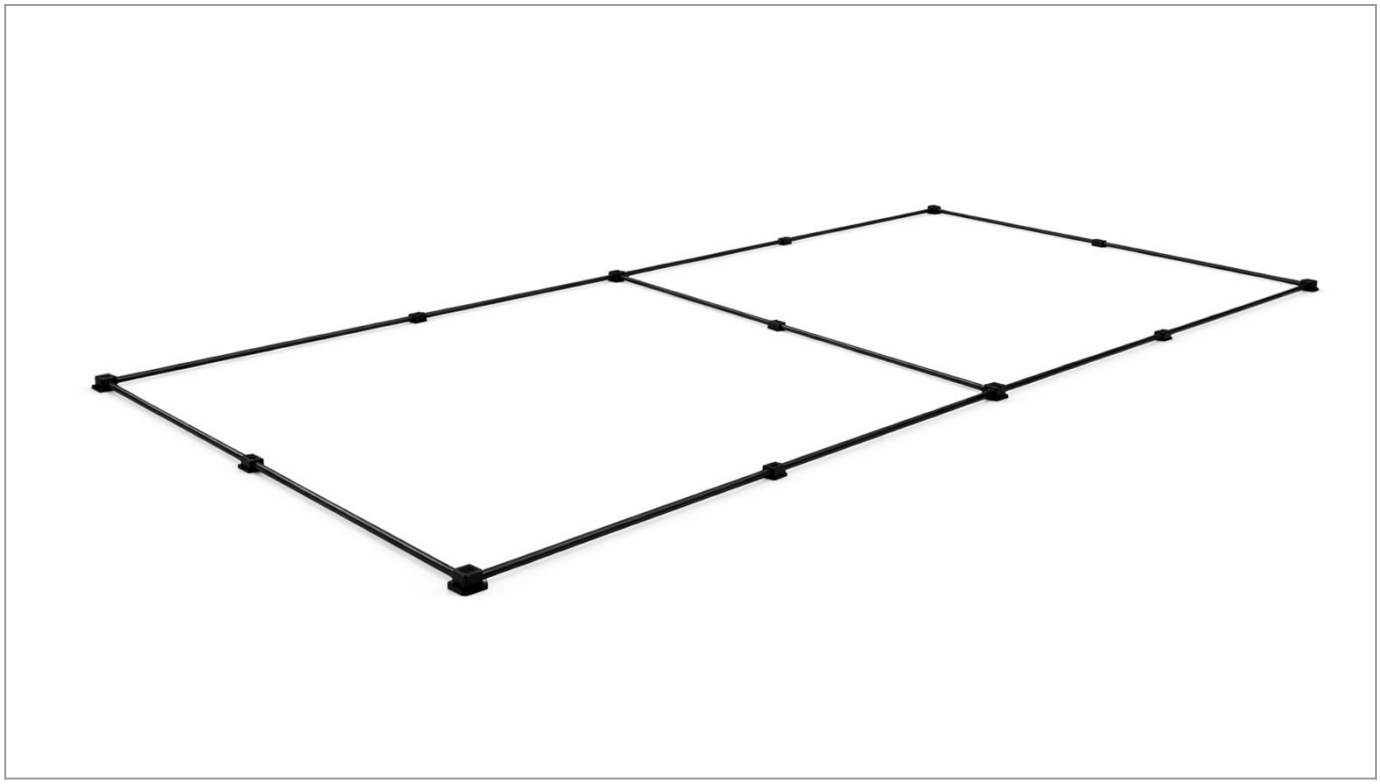
Part 2:
Drone Cage Assembly Instructions

Step 1: Assembling the base

1. Start by laying out pipes to form a rectangular base, Each long side is made up of four pipes. Each short side is made up of two pipes. Center has two pipe connected with a T in the center.
2. Connect the corners using four three-way elbow connectors, connect each side pipe using six T connectors and in the center two four-way corner connector. Note: Each connector should have a receptacle facing up.
3. Most pieces will fit snugly together. If a connection is loose, a small piece of tape can be added to the end of a pipe to tighten the fit.
4. Components needed - (4 - three-way elbow connectors), (2 - four-way corner connectors), (7 - T connectors), (14 - pipes)



Step 2. Assembling the Bottom Outer Structure

1. Place 12 pipes firmly into the receptacles of the connectors on the base.
2. Construct a rectangular middle band using four pipes for each long side and two pipes for each short side. Connect sections of the frame by using four-way corner connectors in the corners and cross connectors in the sides. Note: Each connector should have a receptacle facing up.
3. **Components needed:** (4 four-way corner connectors), (8 cross connectors), (24 pipes)

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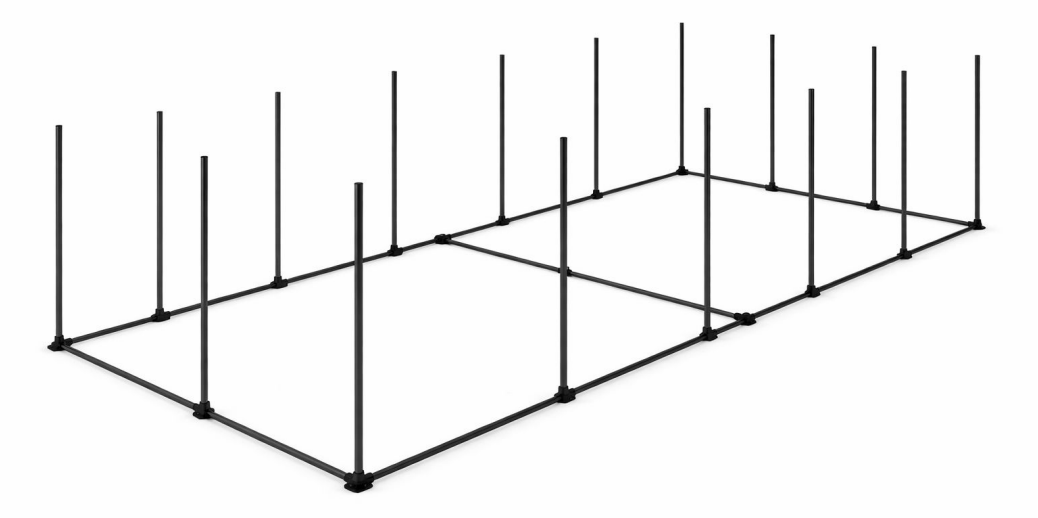

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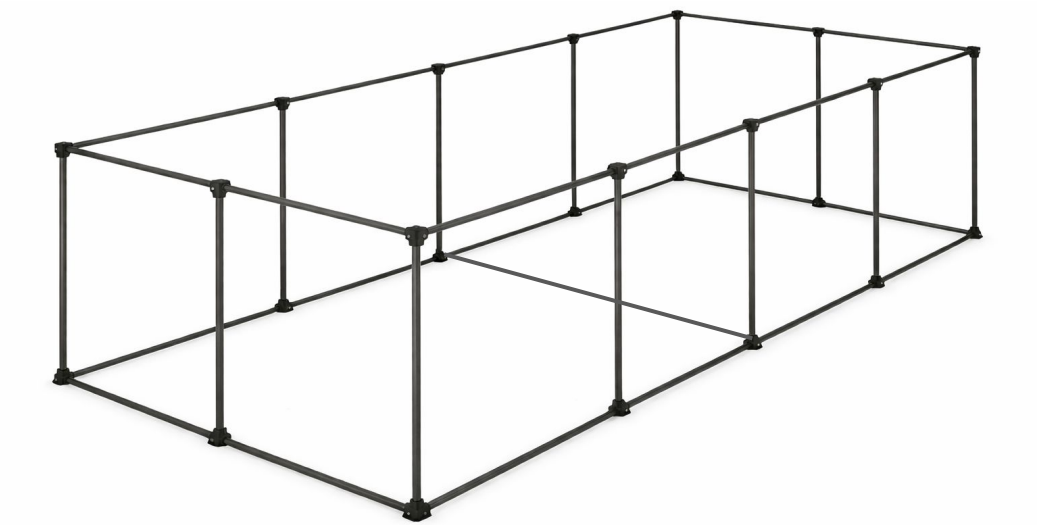

Step 3. Assembling the Upper Outer Structure

1. Place 12 pipes firmly into the receptacles of the connectors on the middle band.
2. Using a ladder, connect the pipes to make the rectangular top band. Firmly attach the corners using three-way elbow connectors. Connect the pipes on each short side using T connectors. Connect the pipes on each long side by using four-way corner connectors.
3. **Components needed:**(6 four-way corner connectors), (4 three-way elbow connectors), (2 T connectors), (24 pipes)

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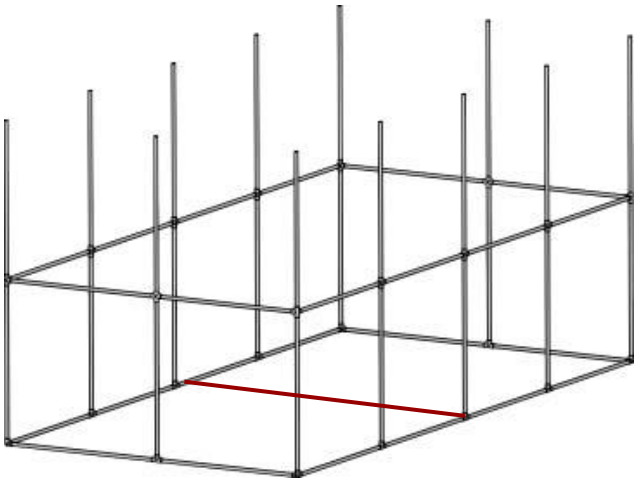

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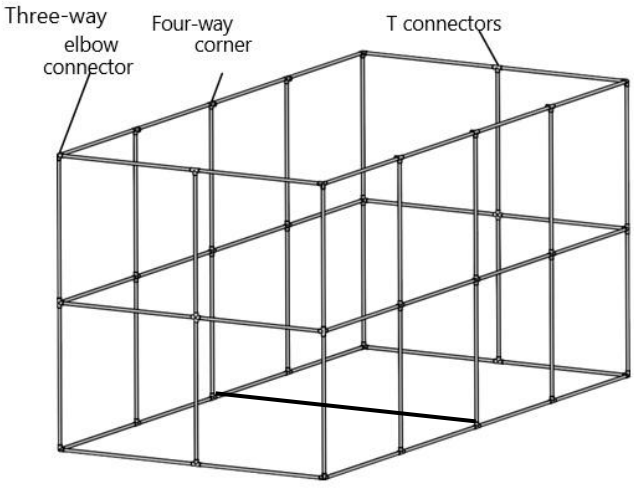
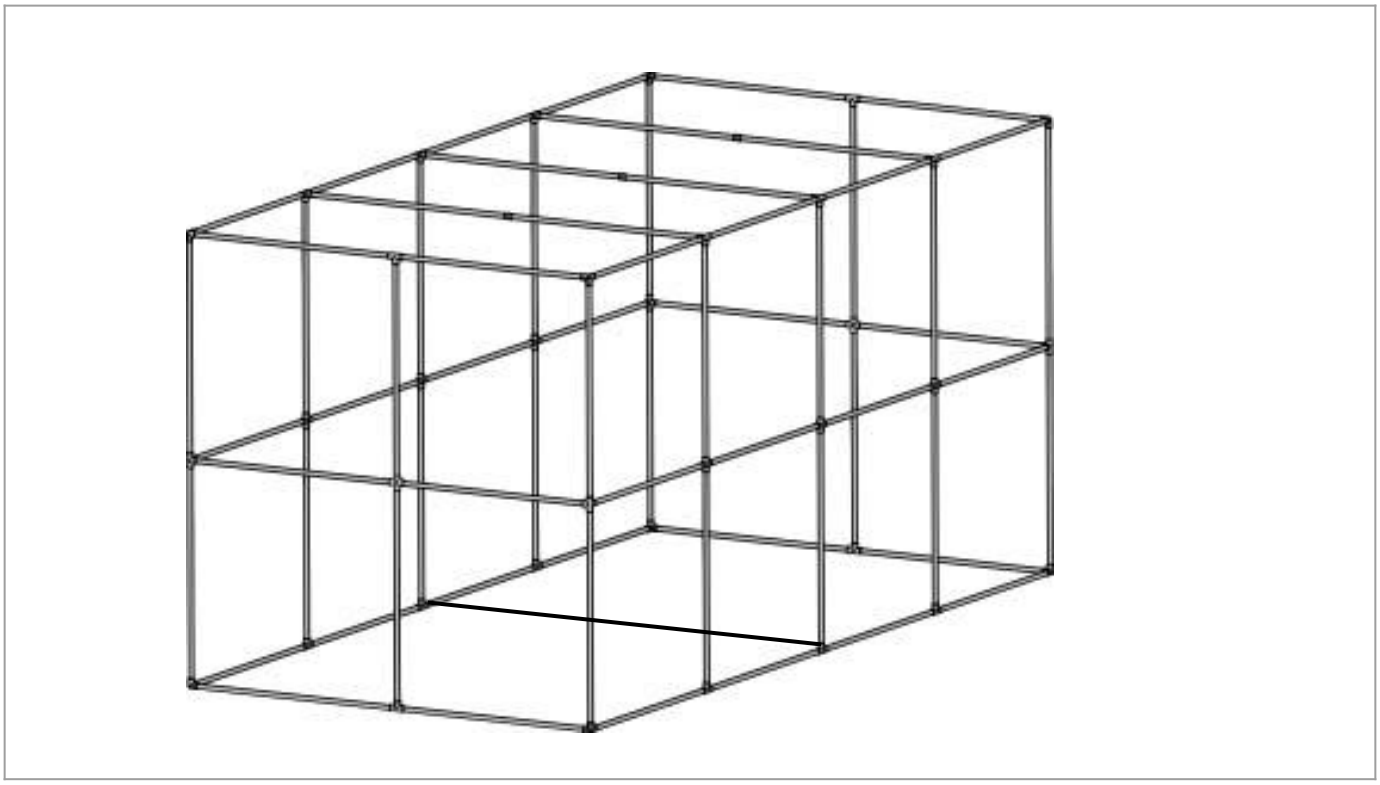


Step 4: Assembling the Top Structure

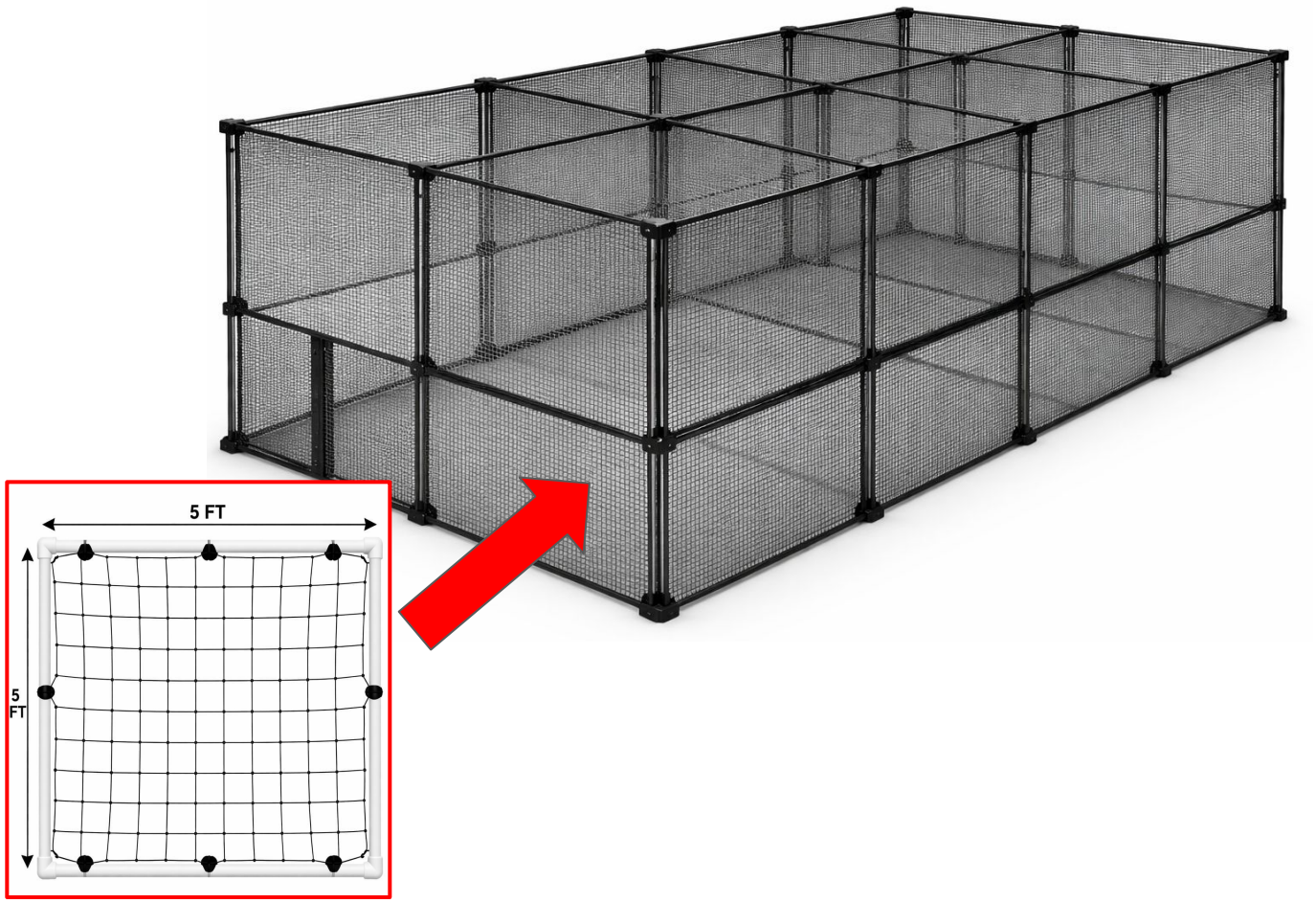
1. Use six pipes and three couplers to create braces between the six four-way elbow connectors on the top section. Note: The frame might feel a little wobbly at this point. It will become more stable after the netting is added and tension is created.
2. **Components needed:**(6 pipes), (3 Couplers)



Part 3:
Netting Assembly Instructions

Sep 1: Attaching the (5'x5') NettingSquares to the cage

1. Place the 2 squares with the Velcro Doors diagonally opposed to one another on either side of the short end of the cage.
2. Right next to each door, attach a (5'x5') square
   a. Use 8 bungees per square to secure the netting to each 5'x5' square on the outside of the cage.
   b. For best results use 3 bungees on the top and bottom of each square and 1 on each side.
3. Cover the rest of the open spaces on the cage, including the top, using the 5'x10' mesh rectangles.
   a. Use up to 14 bungees per rectangle to attach the netting to the cage
   b. For best results use 3 bungees at the top and bottom of each square and 1 on each side.
4. **Components needed:(**14 5' x 10'), (2 Netting - 5' x 5', (2 Netting with velcro door 5' x 5'), (250 Bungee Ball 4")



1) Your Cage is now ready for use in the Aerial Drone Competition Pro.
2) If you have any technical or sales related questions please contact your Sales Associate at adcpro@recf.org.

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