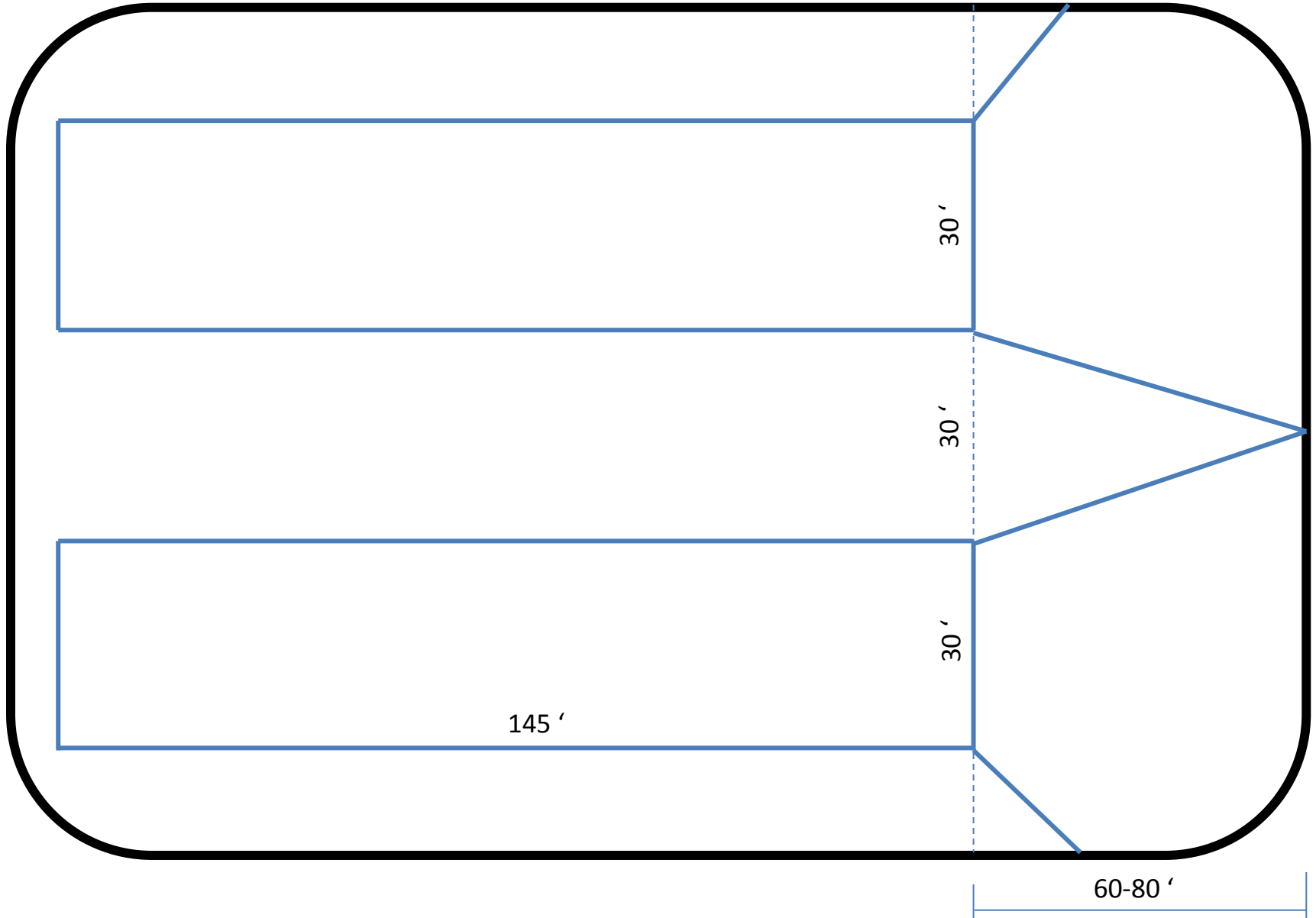


Setting up the Gaming Course

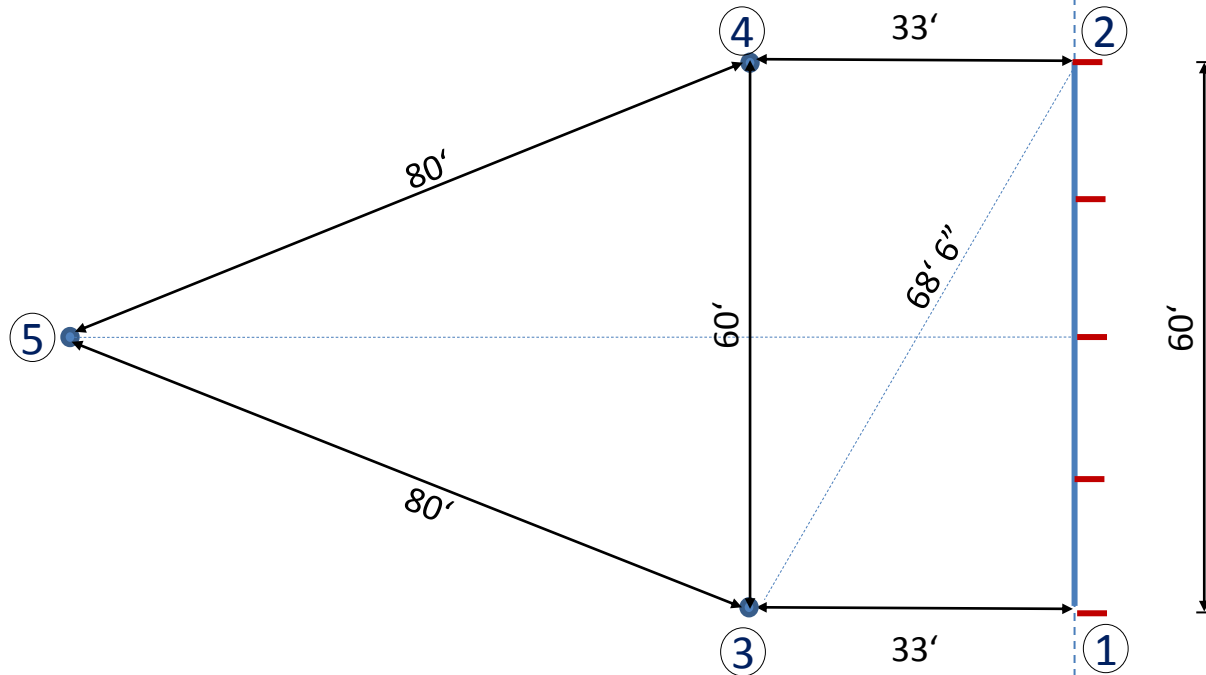
Course layout

(Key Race, Poles, Figure-8, Two-Barrel Flags, International Flags)



Course layout

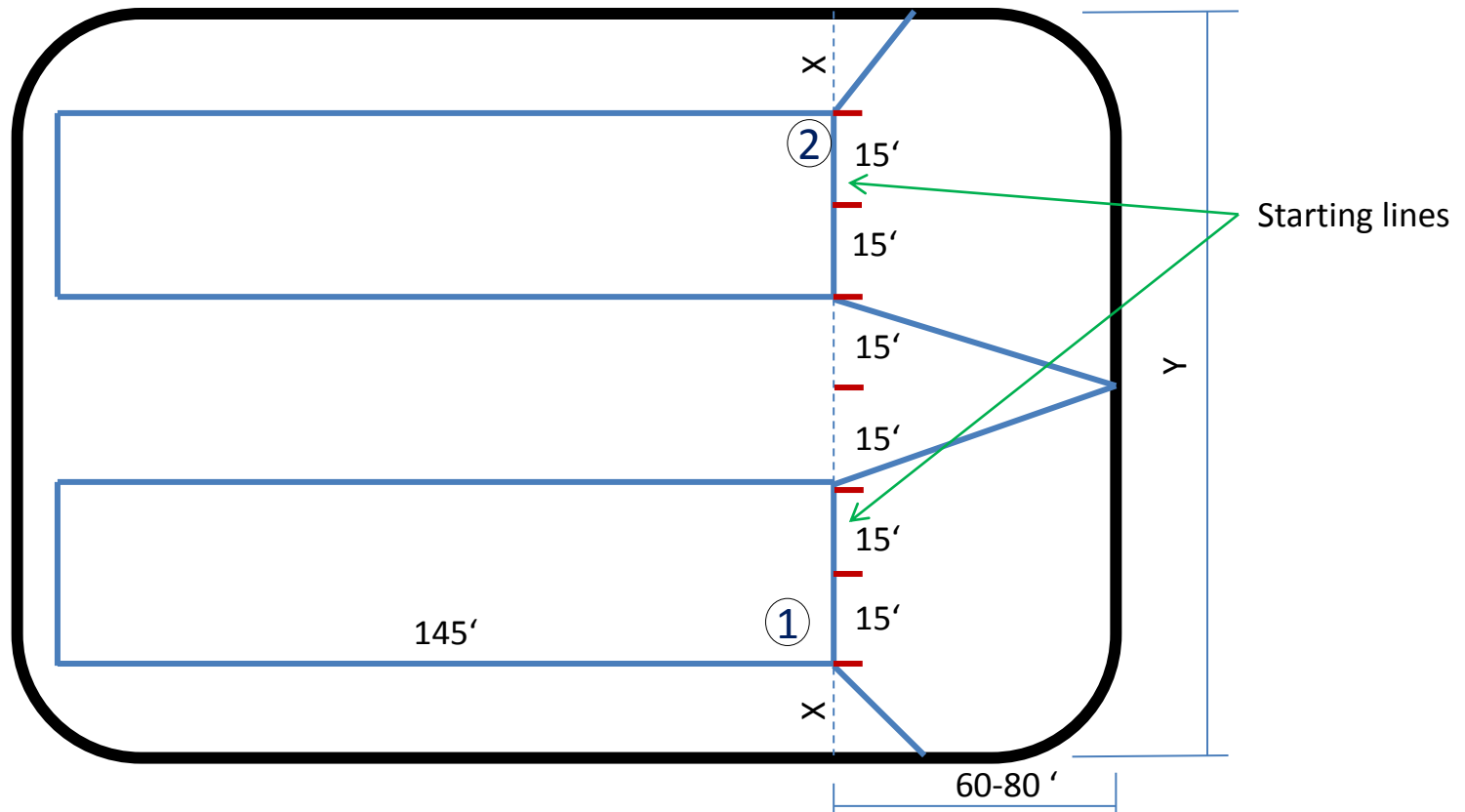
(Barrels)



Course Setup – Step by Step

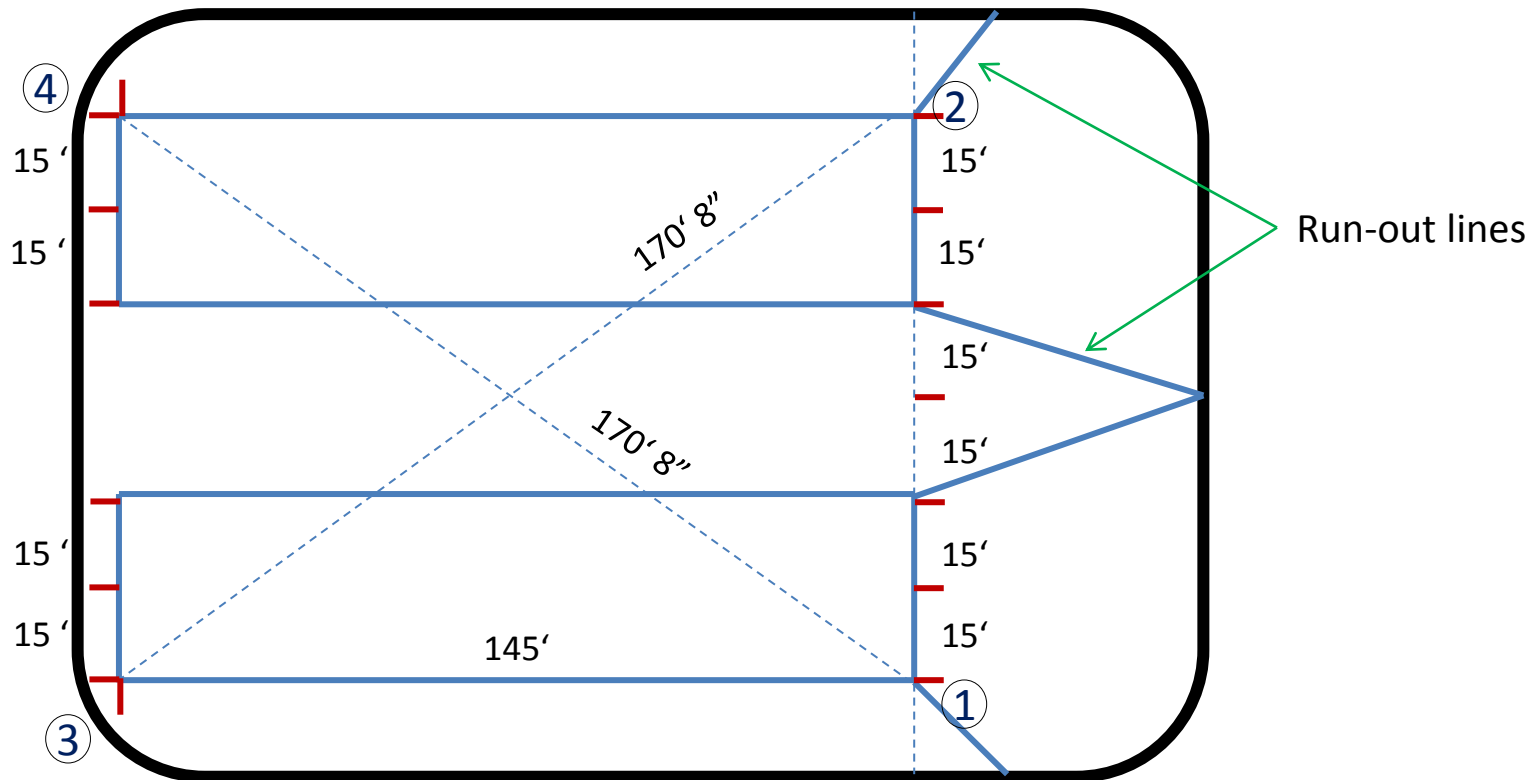
Equipment: 4 measuring tapes (200'), red spray paint, 2 bags of chalk, chalk spreader and coffee can

1. Decide on starting line location such that run-out box will be 60-80 feet
2. Measure total arena width (Y) and calculate $X=(Y-90)/2$
3. Mark point 1; move tape end to point 1 and mark every 15 feet along starting line between point 1 and 2 with red spray
4. Leave measuring tape between points 1 and 2 and ask one volunteer to chalk the two starting lines.



Course Setup – Step by Step (cont'd)

5. Use two more measuring tapes (held by two volunteers at points 1 and 2)
6. Mark point 3 (145' from point 1 and 170' 8" from point 2).
7. Leave measuring tape between points 1 and 3 and ask a volunteer to chalk this line.
8. Mark point 4 (145' from point 2 and 170' 8" from point 1). Cross check distance between points 3 and 4 (90') .
9. Leave measuring tape between points 2 and 4 and ask a volunteer to chalk this line.
10. Stretch a measuring tape between points 3 and 4 and mark course corner and mid points.
11. Use red spray to mark the 145' line
12. After chalking lines 1-3 and 2-4, move measuring tapes 30 feet towards center and mark the remaining side lines.
13. Chalk run-out lines



Course Setup – Step by Step (cont'd)

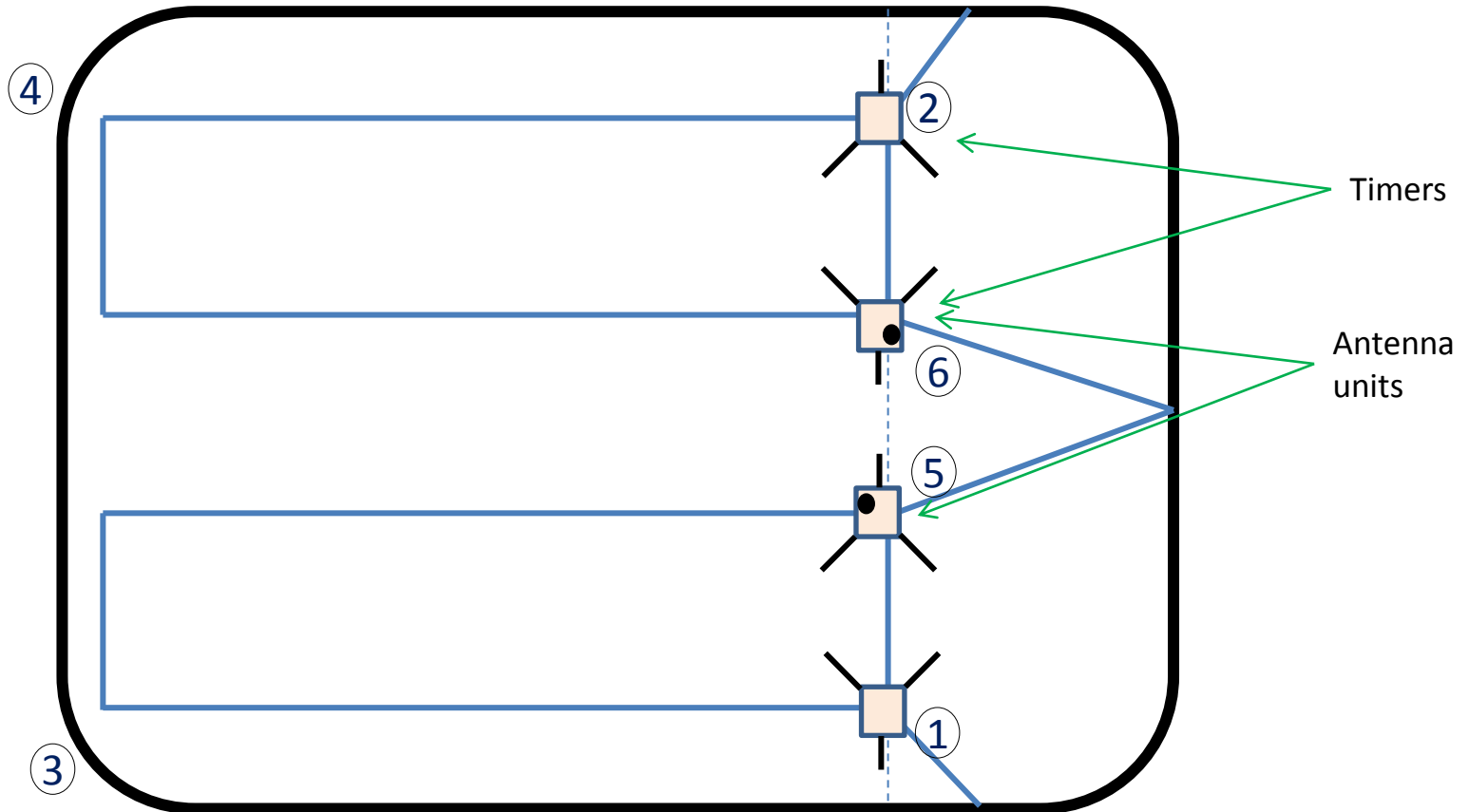
14. Setup timers

Sender units have antennas and should be positioned at points 5 and 6 pointing out towards point 1 and 2.

Receiver units do not have antennas and should be positioned at points 1 and 2.

Troubleshooting if not working:

- Turn on (☺)
- Check battery (9V)
- May need to be shielded from the sun if working erratically.
- Check timer display units (turn on; check batteries – 4 AA).



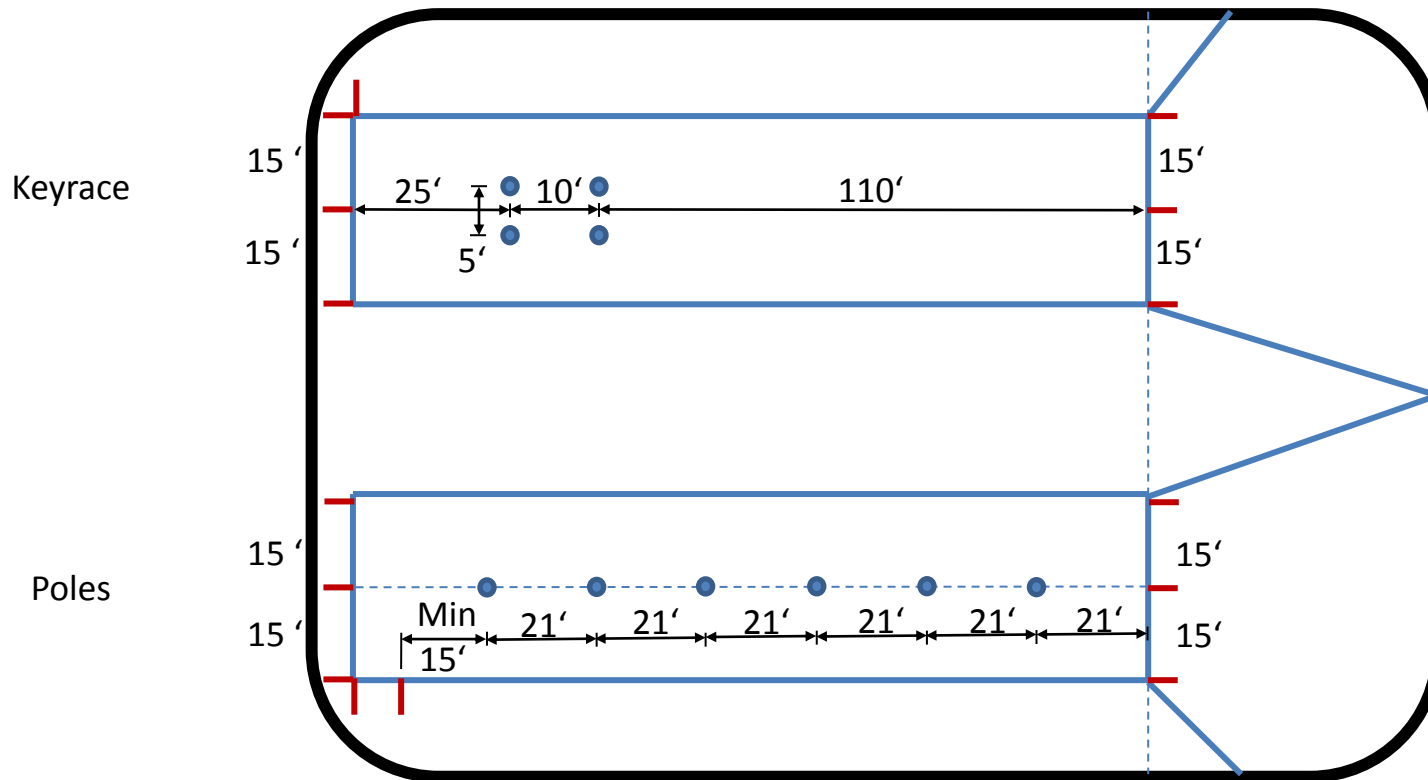
Course Setup – Step by Step (cont'd)

Keyrace

15. Stretch measuring tape along the center line of each court
16. For keyrace, use a 5x10 marker box. Mark corner points with chalk.

Pole bending

17. Stretch measuring tape along the center line of each court
18. Mark pole location every 21 feet with chalk.
19. The minimum distance to the wall is 15 feet. The course could be shortened to 141 feet, however the 4-H leaders have agreed that using the 145' course is simpler and permissible.



Course Setup – Step by Step (cont'd)

Figure-8

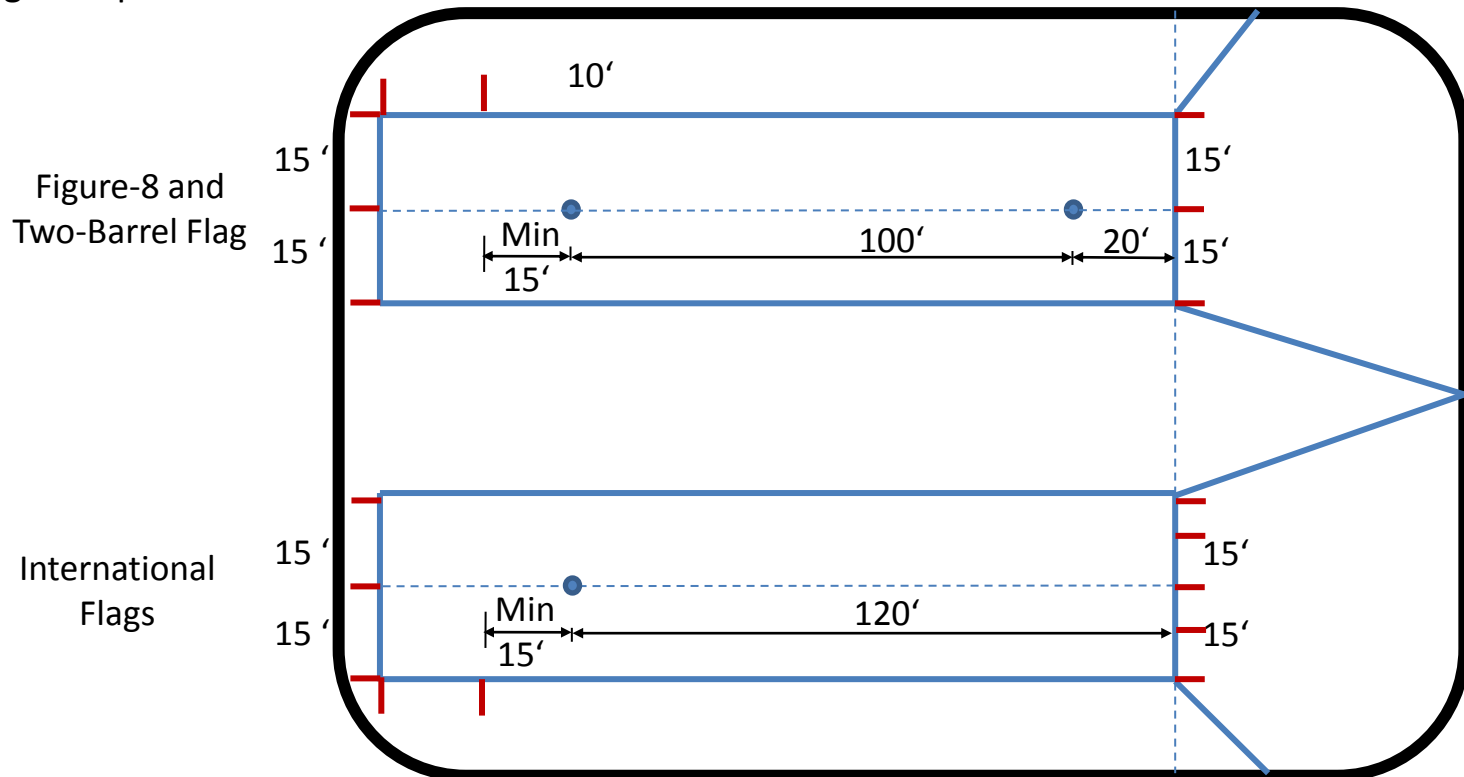
20. Stretch measuring tape along the center line of each court
21. Mark pole locations at 20 and 120 feet.
22. The minimum distance to the wall is 15 feet. The court could be shortened to 135 feet, however the 4-H leaders have agreed that using the 145' course is simpler and permissible.

Two-Barrel Flag

23. Use the same position as Figure-8. Replace poles with metal barrels

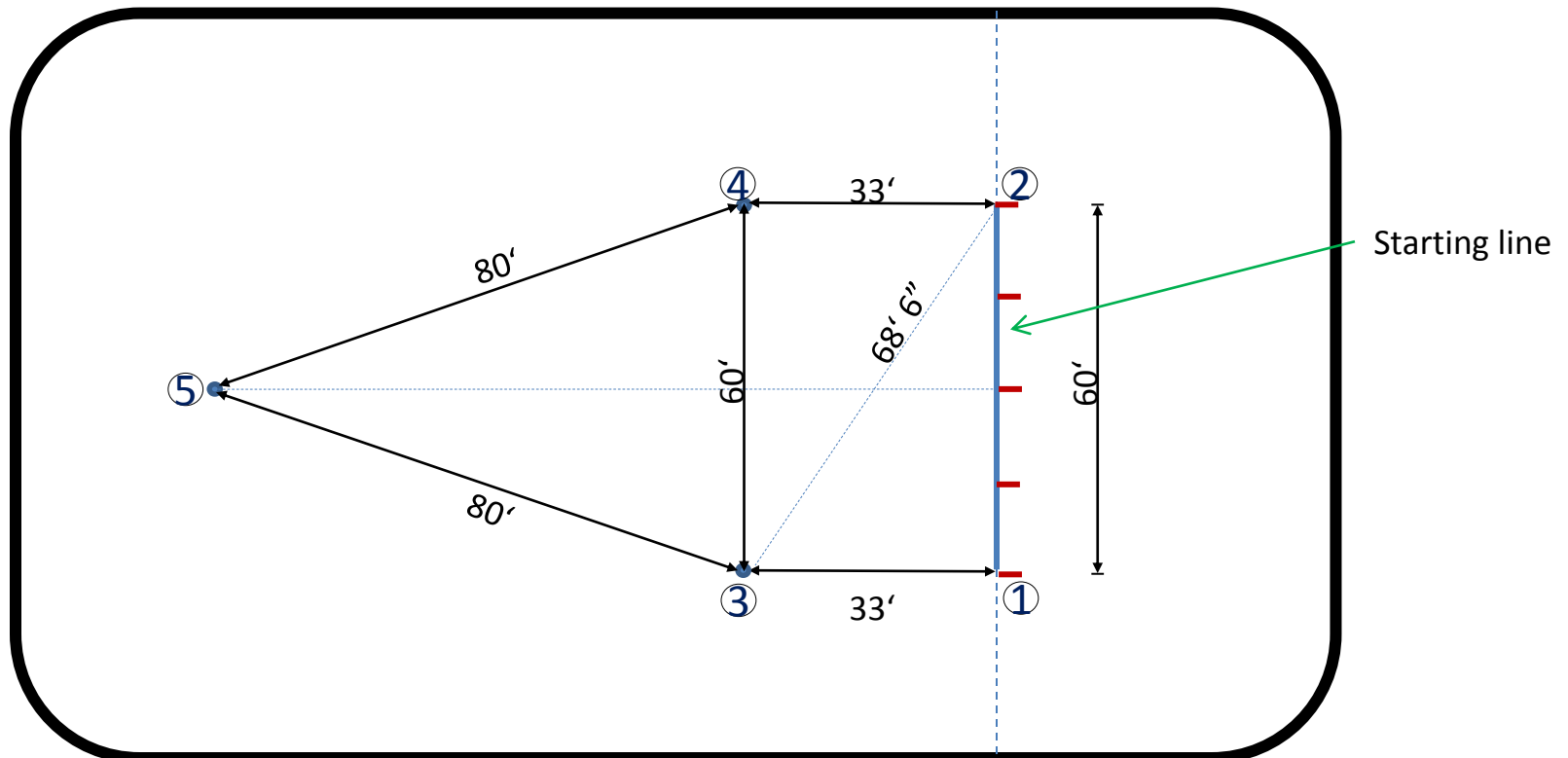
International flags

24. Remove barrels and set a single 55 gal plastic barrel at the 120 ft location. Place a coffee can with a flag on top



Barrels Course Setup – Step by Step

25. Make new 60 feet starting line based on the starting lines from the previous courses
26. Use two more measuring tapes (held by two volunteers at points 1 and 2 and mark point 3 (33' from point 1 and 68' 6" from point 2).
27. Mark point 4 (33' from point 2 and 68' 6" from point 1). Cross check distance between points 3 and 4 (60').
28. Ask volunteers to move to points 3 and 4 and mark point 5 (80' from points 3 and 4).



Equipment List

- 4 measuring tapes (200' or longer)
- Red spray paint
- 2 judge flags
- 2 bags of chalk
- Chalk spreader
- Cup (to mark pole locations with chalk)
- Timer components (in suitcase)
- Two time displays (in two suitcases)
- Spare batteries (9V for timers; AA for time display units)
- 17 poles
- 4 metal barrels
- 4 flags (Two barrel)
- 3 plastic barrels (55 gal)
- Two coffee cans (international flags)
- 12 international flags
- Square to measure Key-race box
- Sound system
- Extension cords