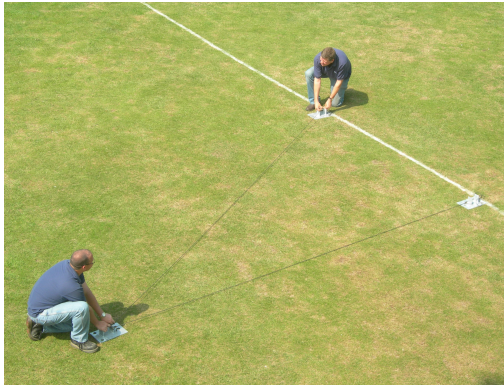


## Standard Frame Assembly

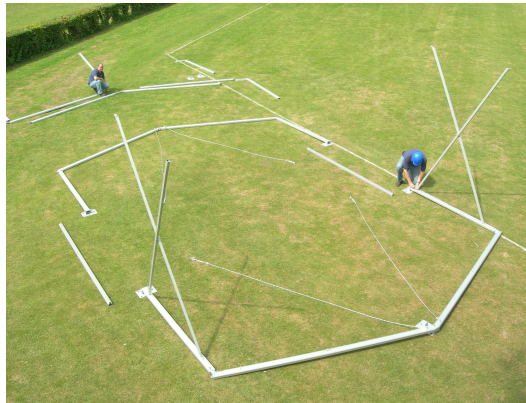
- ❑ Careful measurements should be taken to secure base plates are square. This can be done by using the measurements from the layout plan or by the 3-4-5 Method:



- ❑ Lie out all the components, and assemble each A-Frame starting at the base plate one side and working across to the other. The pin that goes through the leg and base plate should be facing outside the marquee and secured with an R-clip. The eave knuckle should then be attached to the leg using a wing nut and bolt through the top hole, making sure that the end of the eave knuckle with the cut-out for the curtain rail is inserted into the leg. It is possible to keep these as a pre-assembled unit. The end of the roof beam with 2 holes in it is then attached to the eave knuckle, and secured using a drop nose pin through the second hole up the beam.
- ❑ The ridge knuckle is then fitted to the first roof beam and in turn, the second roof beam is fitted to that. The ridge knuckles on the first 2 A-frames will be secured using the roof wires. Uncoil the roof wires completely and pass the bolt on the end of the wire **without** the bottle screw through the holes in the ridge. Make sure that on these first two bays, the wires will be facing each other when the A-frames are upright. *Note: If later installing linings it is worth attaching the pulleys to the ridge knuckles before hoisting the frame.*



- ❑ Complete the A-frame by attaching the eave knuckle, leg, and base plates, using the same holes and bolts as the other side. Assemble the remaining A-frames the same way as the first two, but using drop nose pins at the ridge instead of the roof wires.
- ❑ Once all the bays are assembled, bolt the cross bracing onto the first frame.



- ❑ With two people lift the first bay and attach the scissors with bolts through the remaining two holes in the leg. Rest the frame on the ends of the cross braces. Then lift the second A-frame and bolt the legs into the cross braces.



- ❑ Take an eave rail, and insert the curved hook into the bracket on the side of the eave knuckle, lift the rail and drop the straight hook into the opposite eave knuckle bracket (make sure if using bar tension eave rails, the channel is facing inwards). Repeat this process with the purlins using the purlin prop and fitting them into the brackets on the sides of the roof beams.
- ❑ Attach a base plate to the bottom of the gable leg(s) and bolt the top end through the holes in the roof beams. Adjust the bottom of the gable leg(s) to ensure stability. For a gable fitted in the centre of a bay, adjust the bottom of the leg and pass it through the bracket on the ridge knuckle, and secure with an R-clip.

- ❑ To assemble the remaining bays take two eave rails and insert the curved end into the eave knuckles on the bay that is standing, resting the straight hook on the floor. Lift the next A-frame and drop the eave rail into the other eave knuckle bracket. Insert the purlins as before. Assemble the remaining bays in the same way.



- ❑ Now take the roof wires, and loosen the bottle screws off all the way. Take the wire and attach it to the opposite roof beam on that side of the marquee, to the hole nearest to the end of the beam. Make sure all wires are in then tighten the bottle screws. If the wires do not fit in, the marquee is either not square or on uneven ground.

