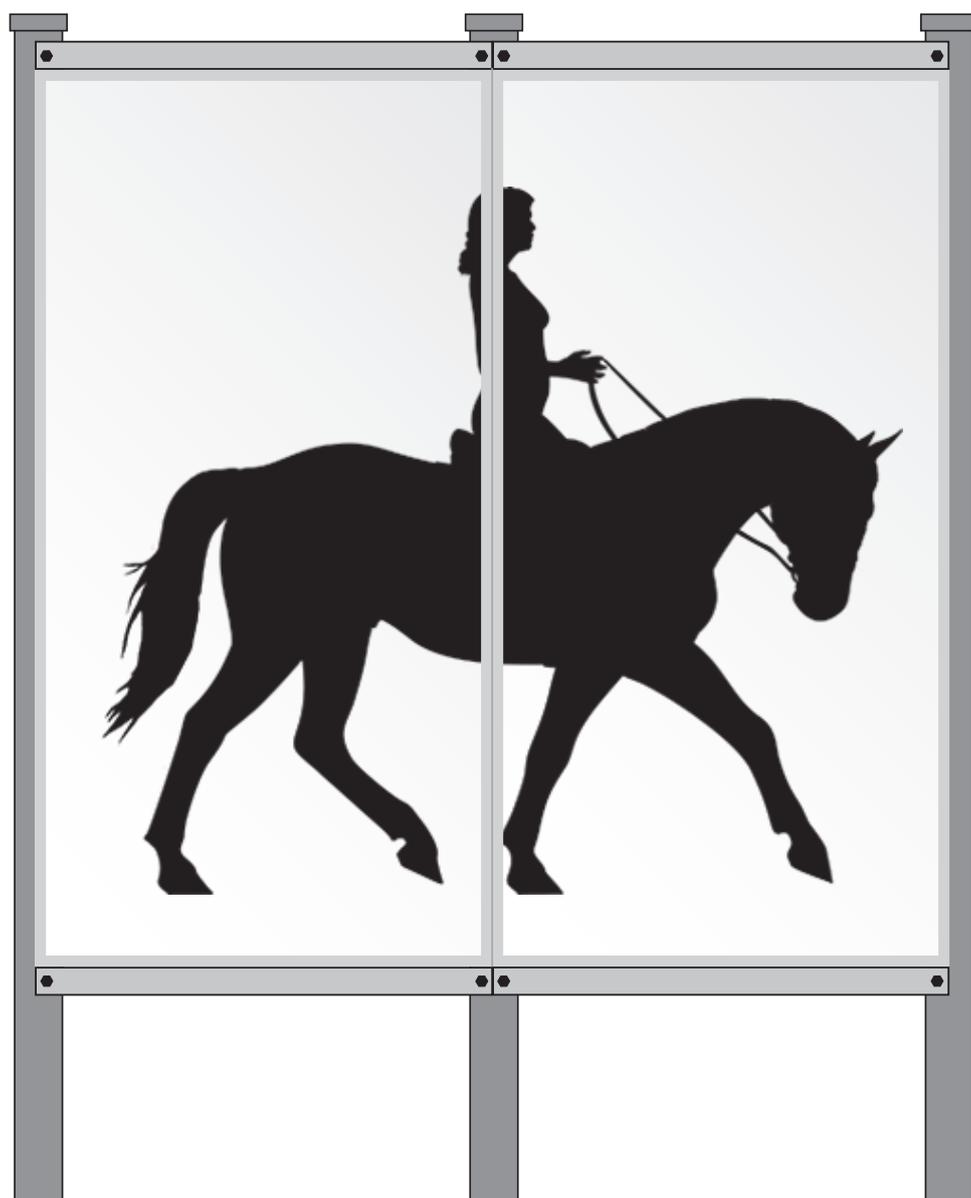




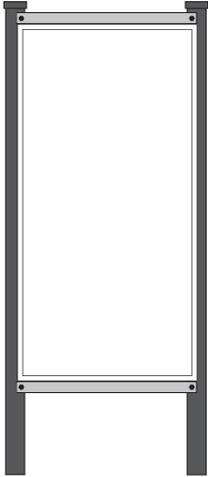
DuraVision[™]
mirror systems

EQUINE HORSE ARENA MIRROR

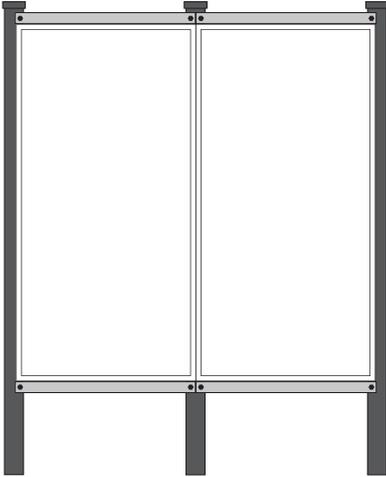


Multi-Unit Assembly

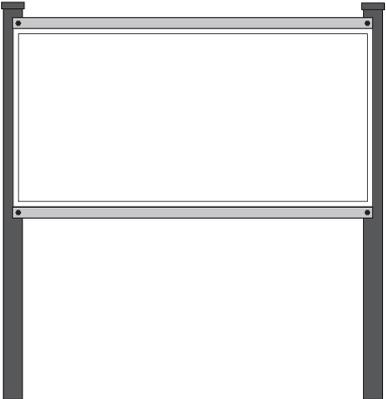
CONFIGURATIONS



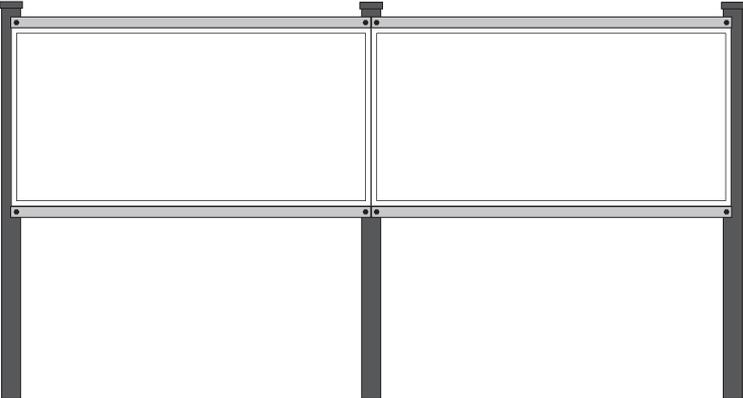
SINGLE PORTRAIT



MULTI PORTRAIT



SINGLE LANDSCAPE



MULTI LANDSCAPE

INSTALLATION INSTRUCTIONS

PLEASE READ AND UNDERSTAND THE INSTALLATION AND SAFETY PROCEDURES BEFORE STARTING THE INSTALL.

ATTENTION: DO NOT LAY THE MIRROR FLAT AT ANY TIME.

Description:

- Horse Arena Mirror, available in Portrait or Landscape configuration.
- Size is 1220 x 2440mm
- Glass Mirror 6mm in thickness.
- For Portrait mode, the posts are 4 meters long and if the hole is 900mm deep the bottom the mirror will be approximately 600mm from ground level. You can make the holes deeper if you want the mirror lower.
- For Landscape mode. The height of the mirror is more critical therefore customers will need to order the height requirement to the bottom of the mirror.
- Multiple mirrors can be added together, therefore if you want, for example, two mirrors fitting together, you will only need three posts.

PREPARE POST HOLES

1. Carefully decide the area for installation.

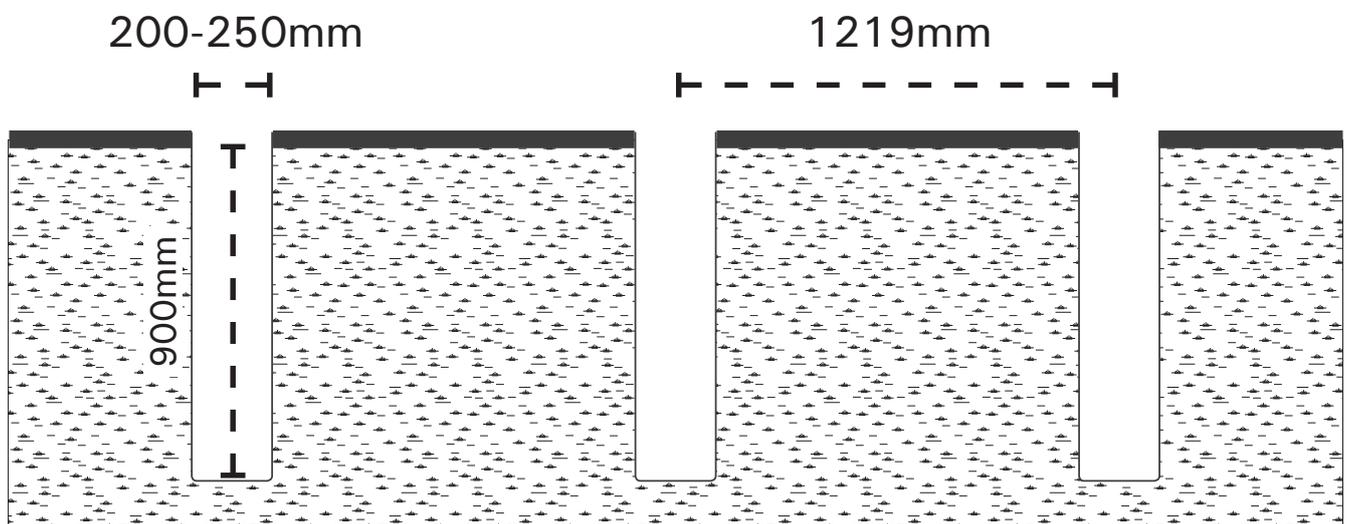
Note1: We suggest sighting the mirrors at least 600mm out from the edge of the arena and parallel with the side or end of the arena.

Note2: We suggest bringing the mirror in from the side or end of the arena by 500mm to 1 meter.

2. Once you have decided on the mirror position set the mirror posts at 1219mm centres.
3. Drill the post holes with a 200-250mm auger going 900mm deep. Make sure the holes are clean of loose material. You may need to trim the post holes to obtain the correct position and to make sure concrete can get around the posts.

Note1: Drilling the hole approximately 900mm deep will place the bottom of the mirror approximately 600mm from the ground.

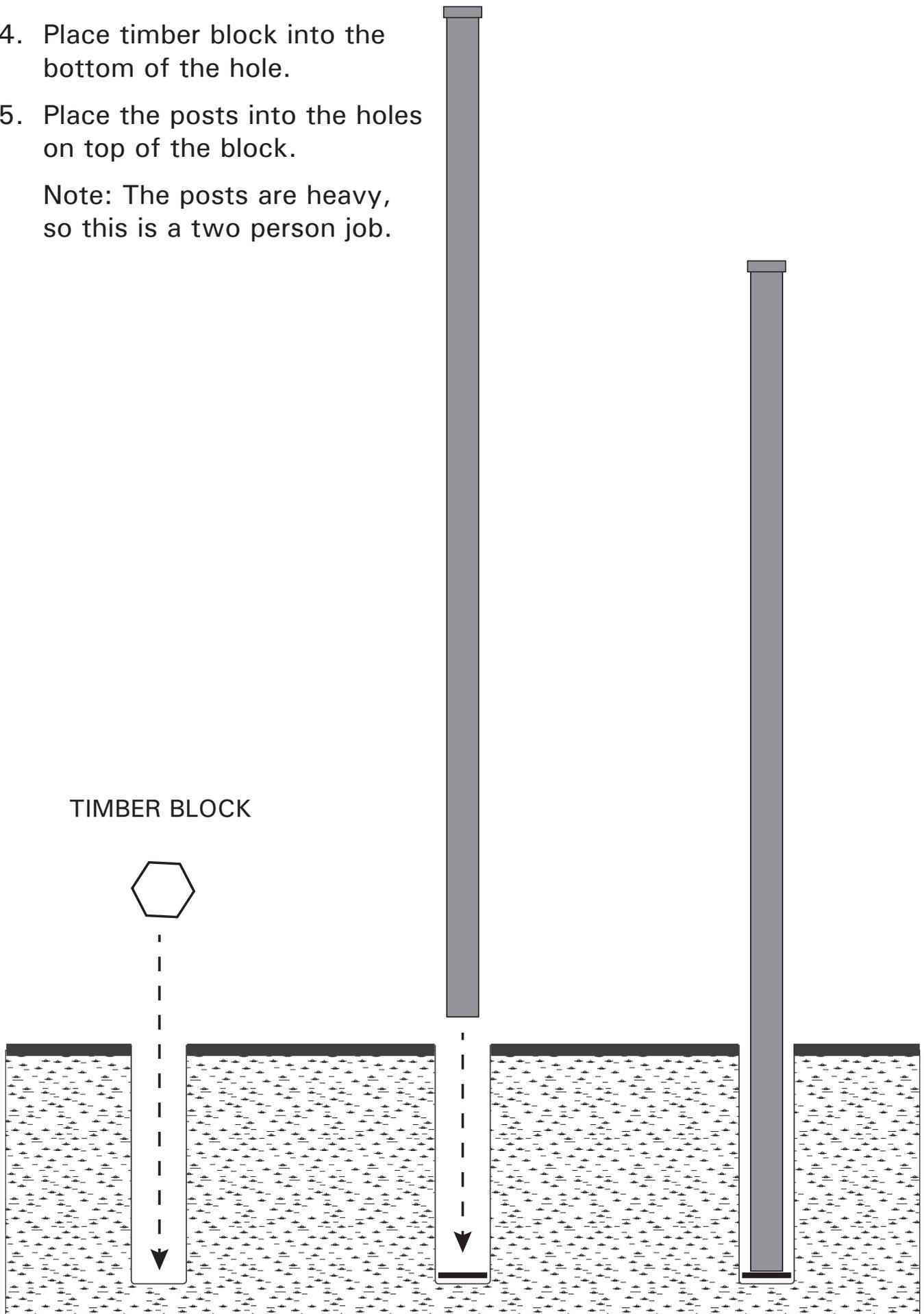
Hole set up for 2 x Portrait Mirror configuration.



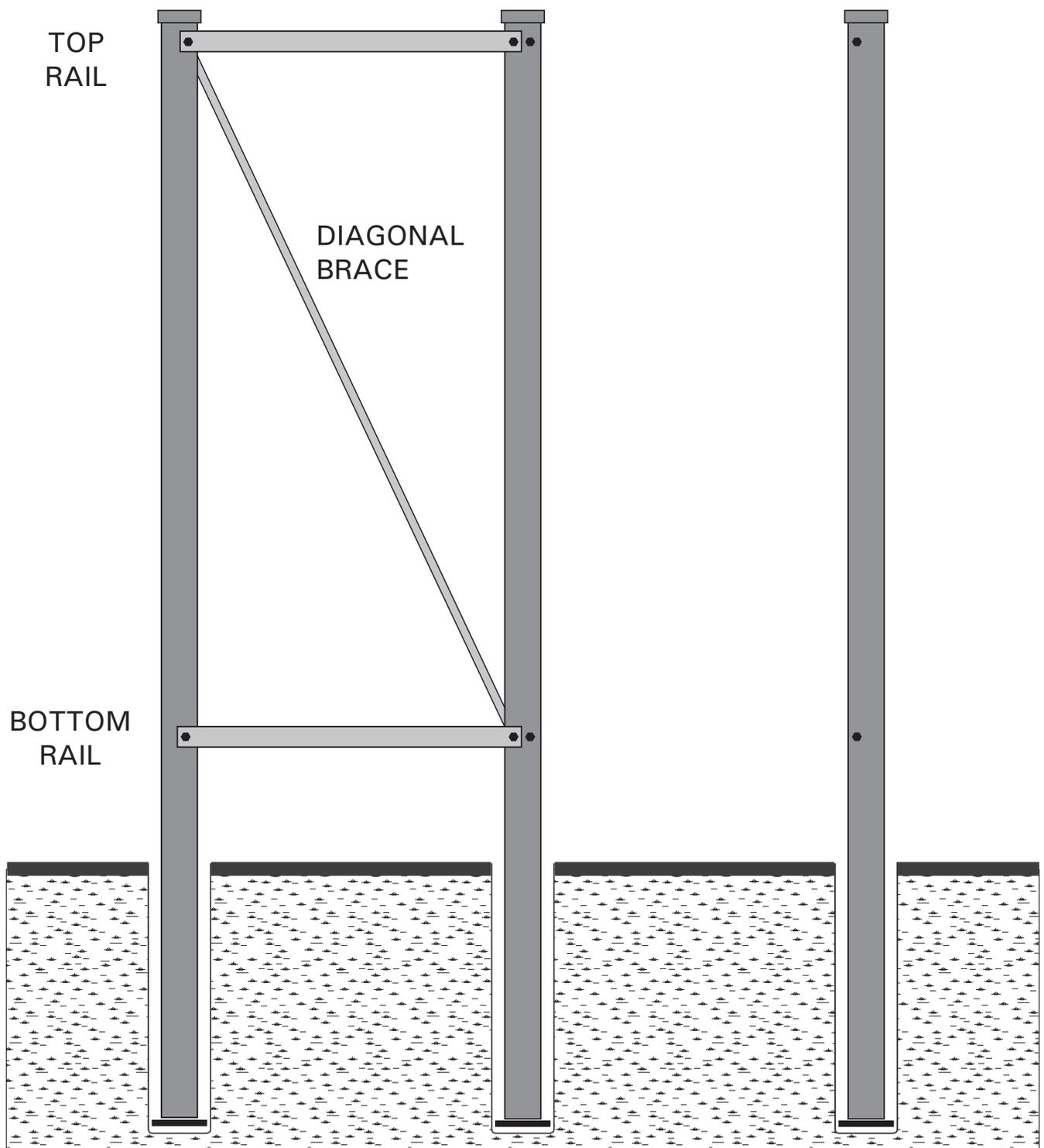
PLACE POSTS IN HOLES

4. Place timber block into the bottom of the hole.
5. Place the posts into the holes on top of the block.

Note: The posts are heavy, so this is a two person job.



6. Bolt on the top and bottom rails following the numbers.
Note: There are rubber buffers on top of the bottom rail. The mirror must sit on the rubber buffers which are designed to allow moisture flow away from the mirror and reduce condensation.
7. Install the diagonal brace.
8. Once the post and rails are bolted together, adjust the posts to the centre of the holes and adjust until the posts are vertical and the rails are level. Use a spirit level.
Note: You may need to lift or lower the post to get the frame level.

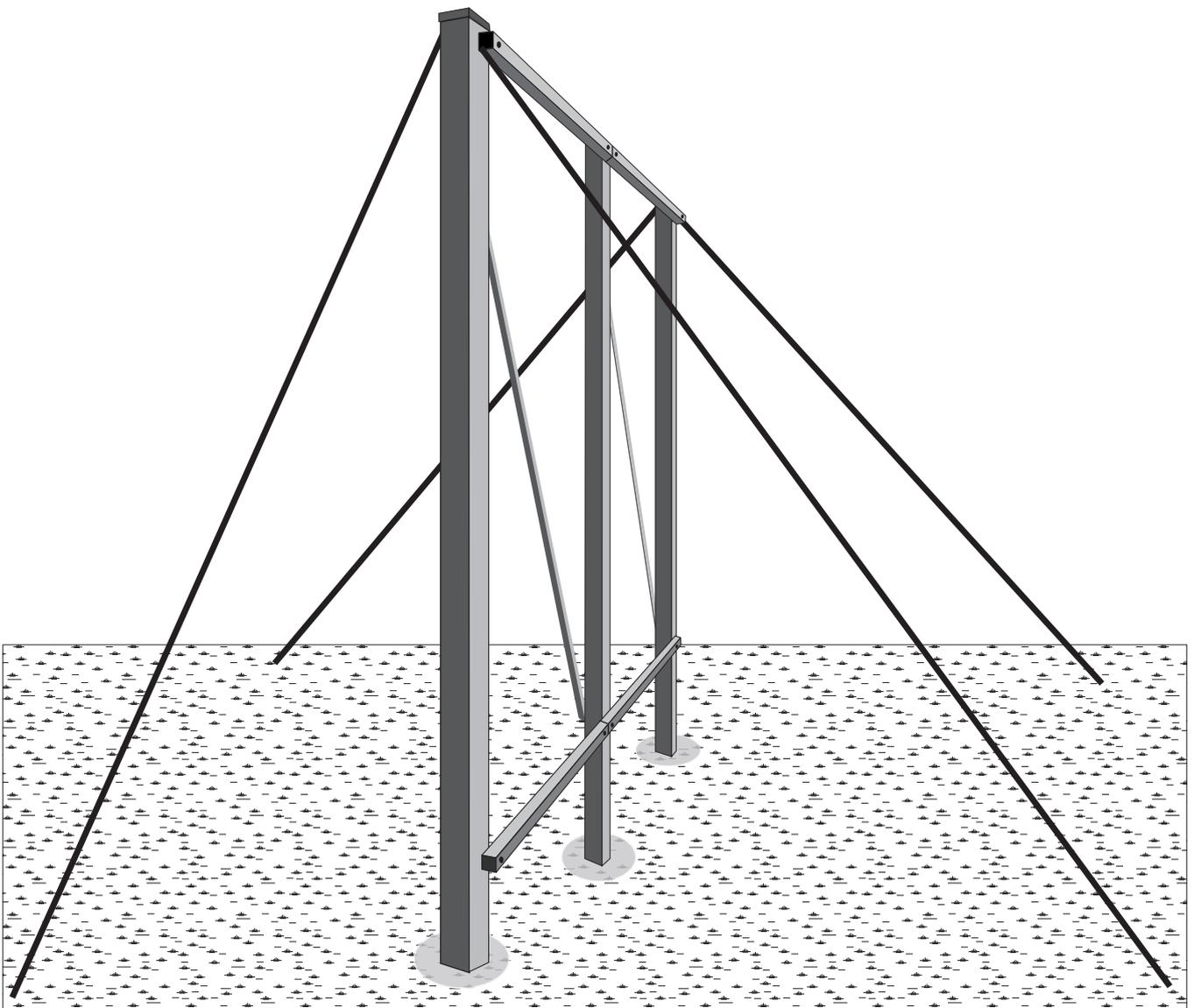


BRACE POSTS AND LEVEL

9. Brace the posts in place with tiedowns or similar and check the posts are vertical and rails are level.

Note1: Check the posts are the correct distance back from the arena and are parallel with the edge of the arena.

Note2: While there is some vertical and horizontal adjustment once the mirror is installed, this is limited. Therefore, make sure the posts are in the correct position, vertical and level.

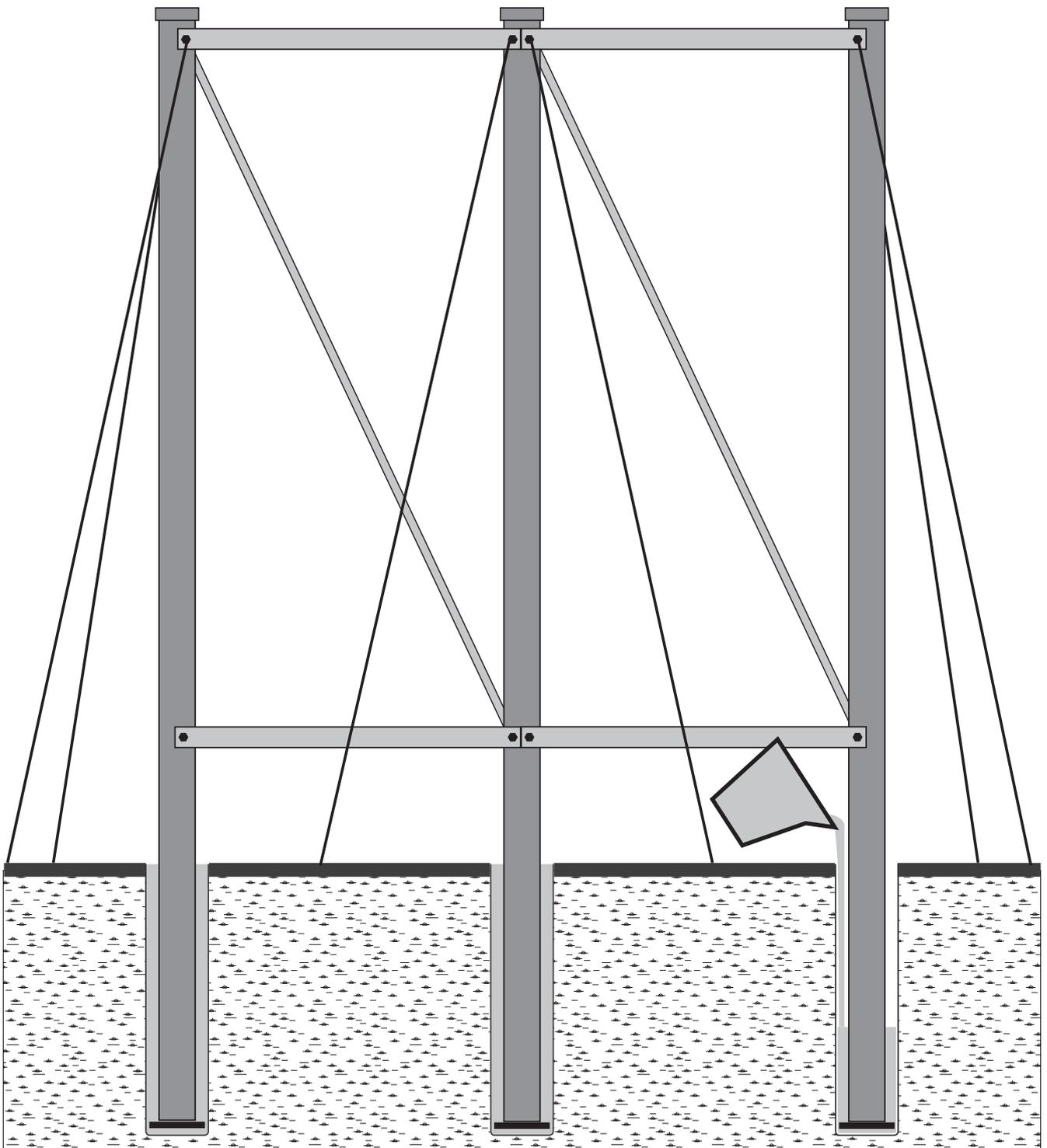


MIX CONCRETE

10. Mix the concrete, a wetter mix will find its way around the posts. Gently ram the concrete around the posts making sure not to move the post. Continue to check the posts are plumb.

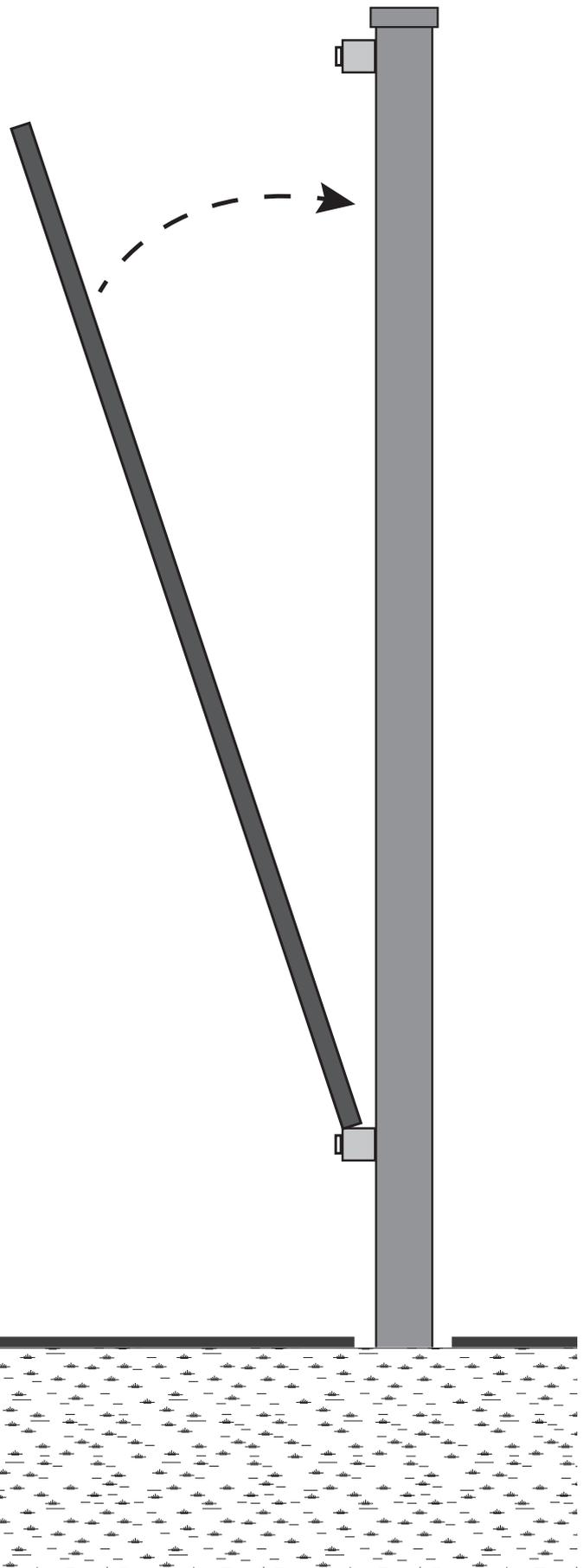
Note1: You will need approximately 3 x 25kg bags of ready-mix concrete per post.

Note2: While concrete will take 28 days to reach its full strength, we have installed mirrors after 3 days without any issues.



FIT MIRROR INTO FRAME

11. Remove the tie downs or bracing.
12. The mirror unit weighs 75kg, so you will need at least 3 people to install the mirror onto the frame.
13. Place two blocks of wood app 100x50 and 500mm long on the ground at the base of the frame to sit the mirror on.
14. Keep the mirror on its edge and manoeuvre it to the base of the installed posts.
15. Position two people about a third of the way up from the bottom of the mirror and one or two people at the other end, or what will be the top of the mirror.
16. Lay the mirror over and lift it onto the base rail, then lift the mirror up to a vertical position **MAKING SURE YOU KEEP THE BOTTOM OF THE MIRROR FIRMLY ON THE BASE RAIL.**

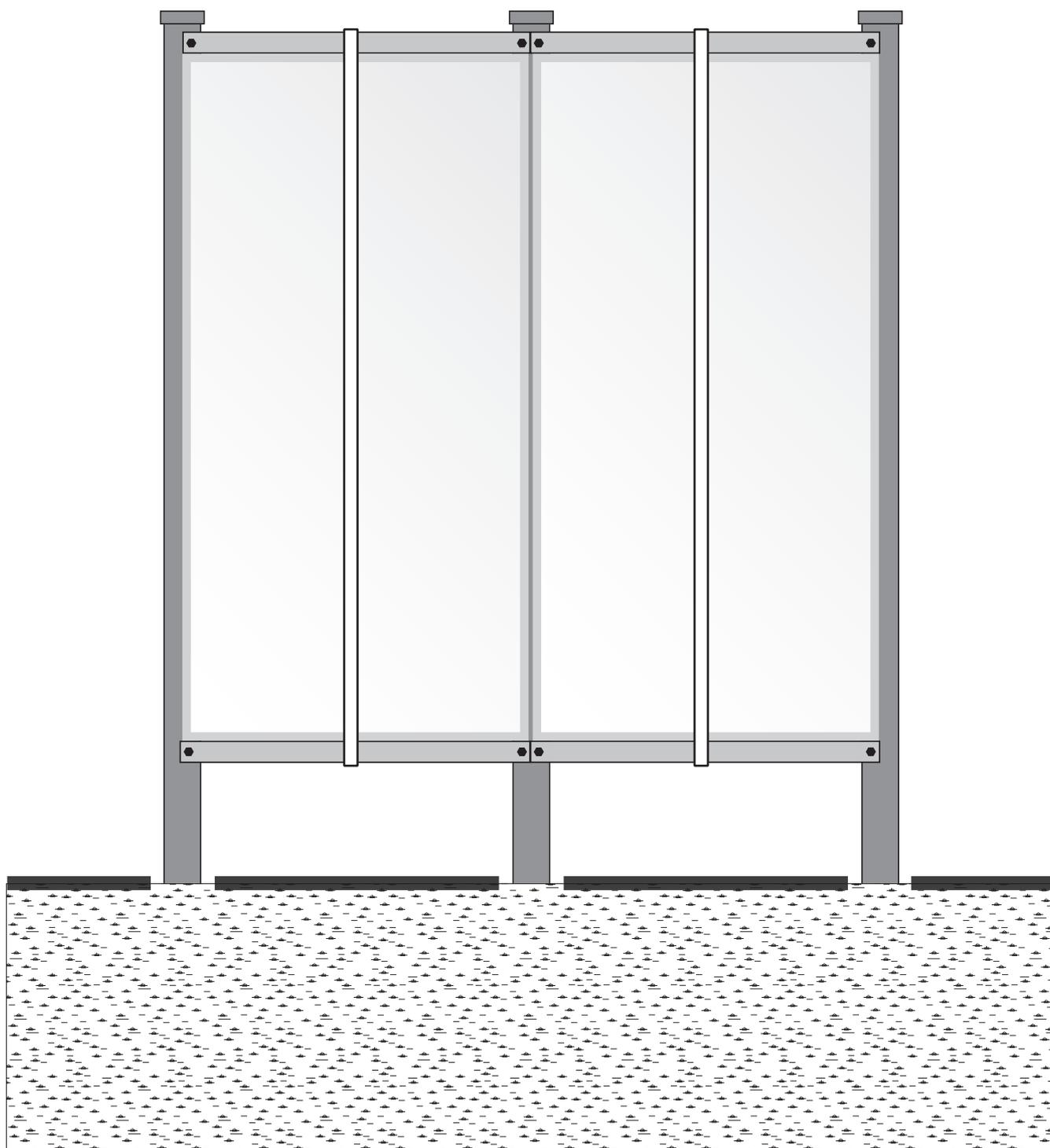


17. Position the mirror so it is sitting in the middle of each post and hold it back until it is tied back a safe.

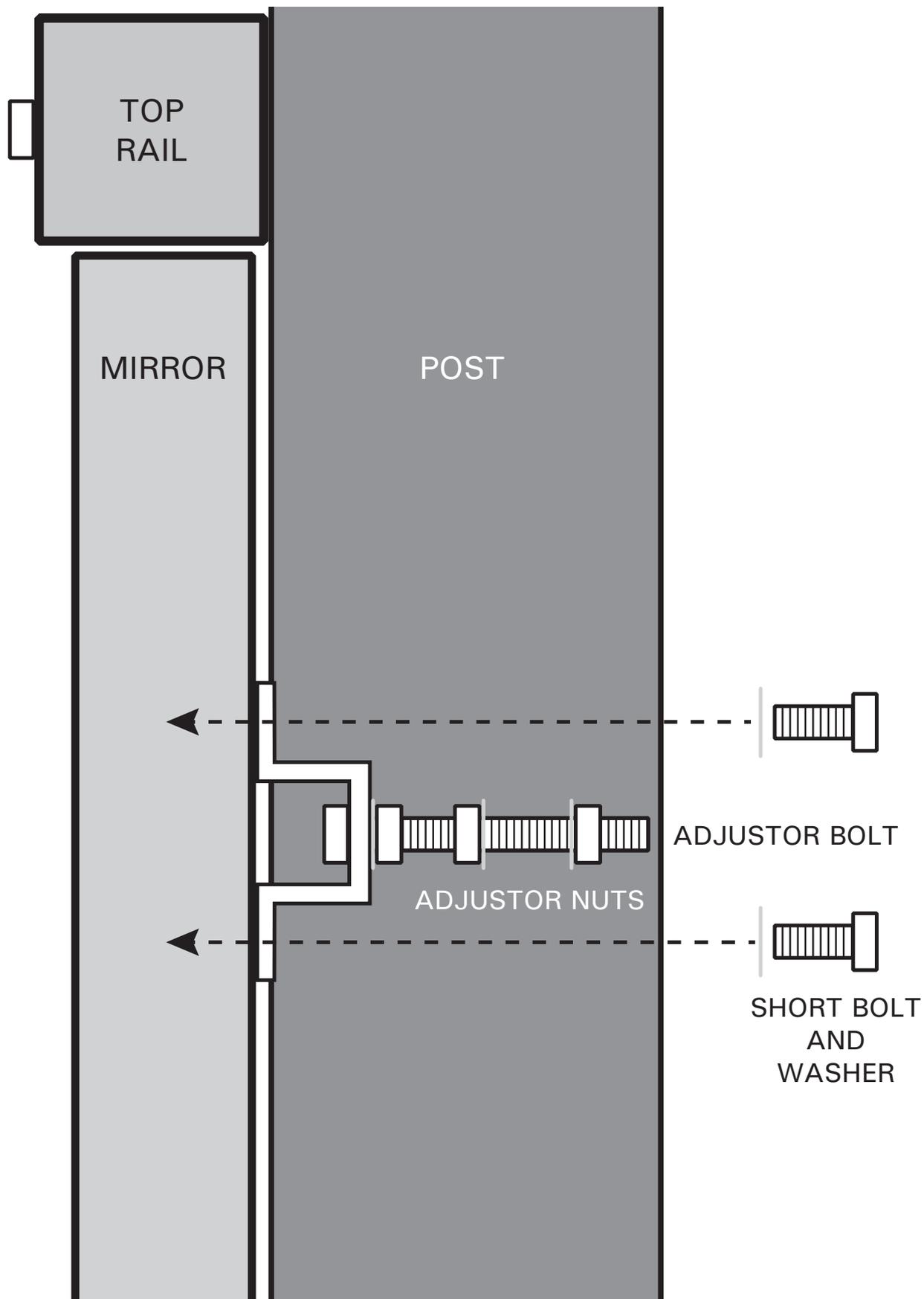
18. Place a tiedown over the top of the mirror and around the rails to keep the mirror in place while the adjustors are fitted.

Note1: Position the tiedown buckles at the back of the mirror so they don't let hit the glass. It could break it!!

Note2: Have a person firmly hold the mirror back against the posts.



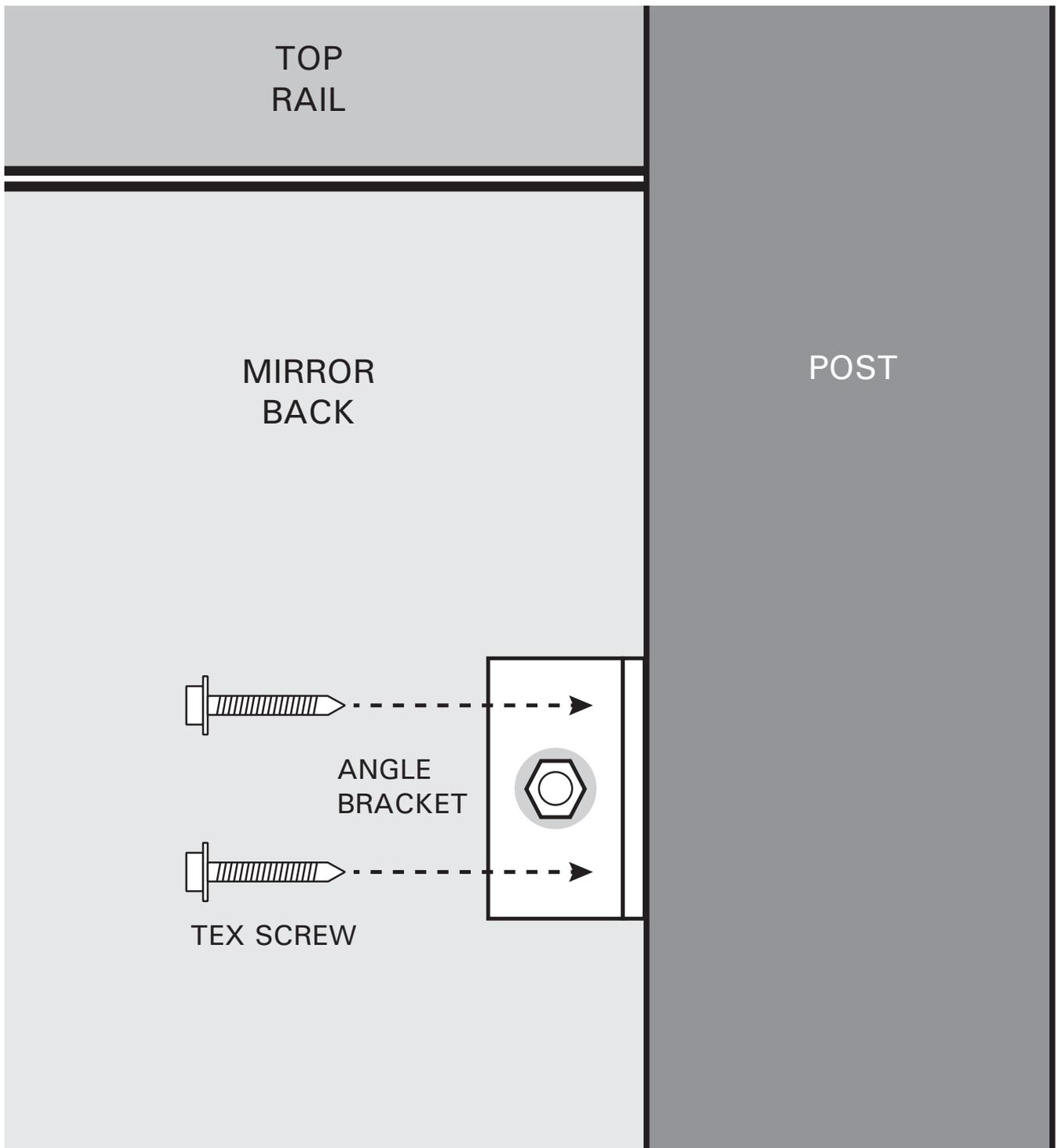
19. There are six adjuster brackets, three for each side of the mirror.
20. Screw the top adjusters into the back of the mirror using the short bolts provided and tighten firmly.

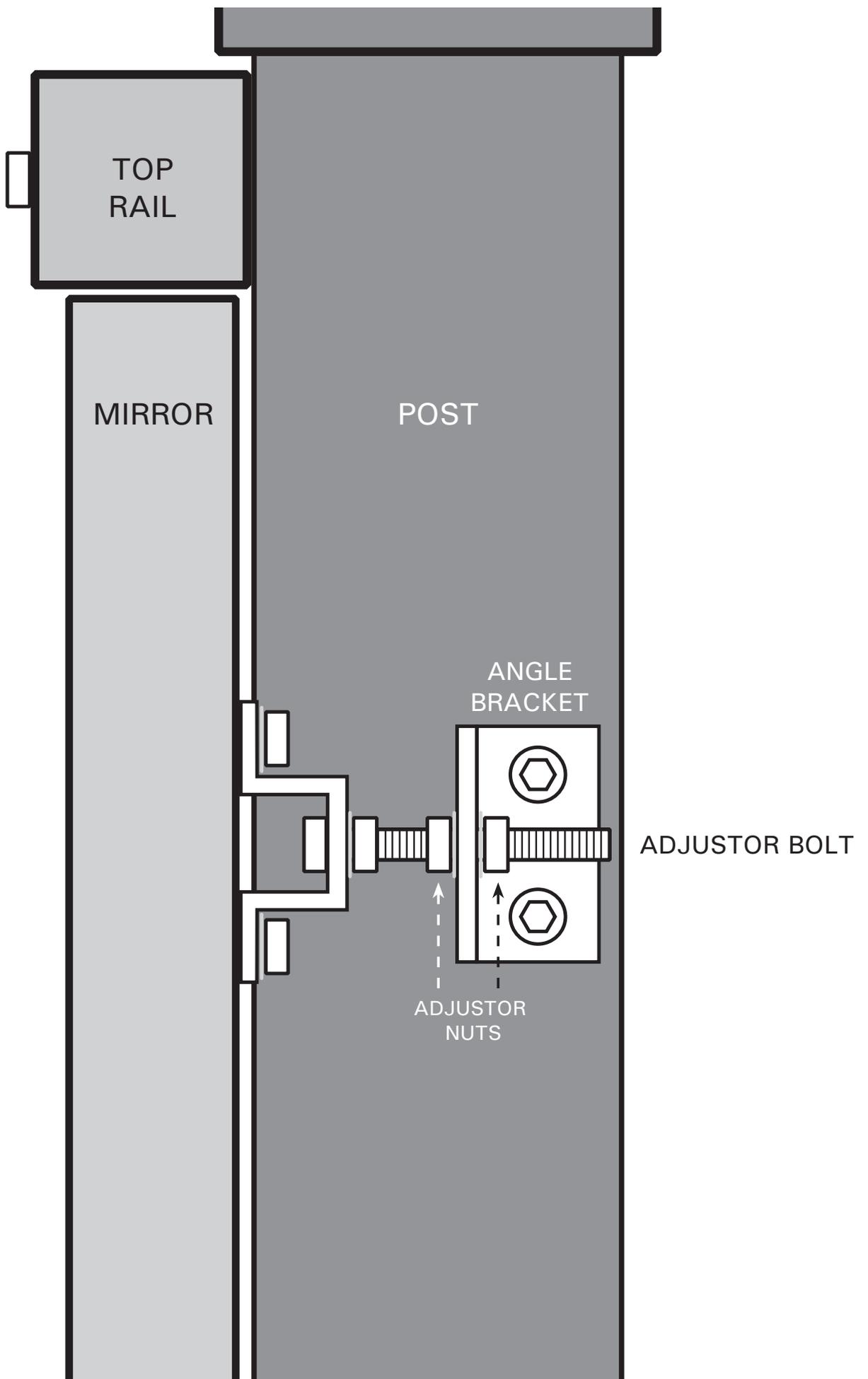


21. Make sure the two adjustment nuts on the adjuster bolt are loose before positioning the angle bracket so it is just back from the edge of the post. Don't force the angle bracket into place. Tex-screw in place using the tex-screws supplied.

Note1: Use the adjuster nuts to angle the mirror down, however it can only tilt back as far as the posts will allow.

Note2: Use the adjusters to angle the mirror to the side by loosening the three adjuster on the side required and lift the bottom of the mirror out. However, this should be a maximum of 25mm.





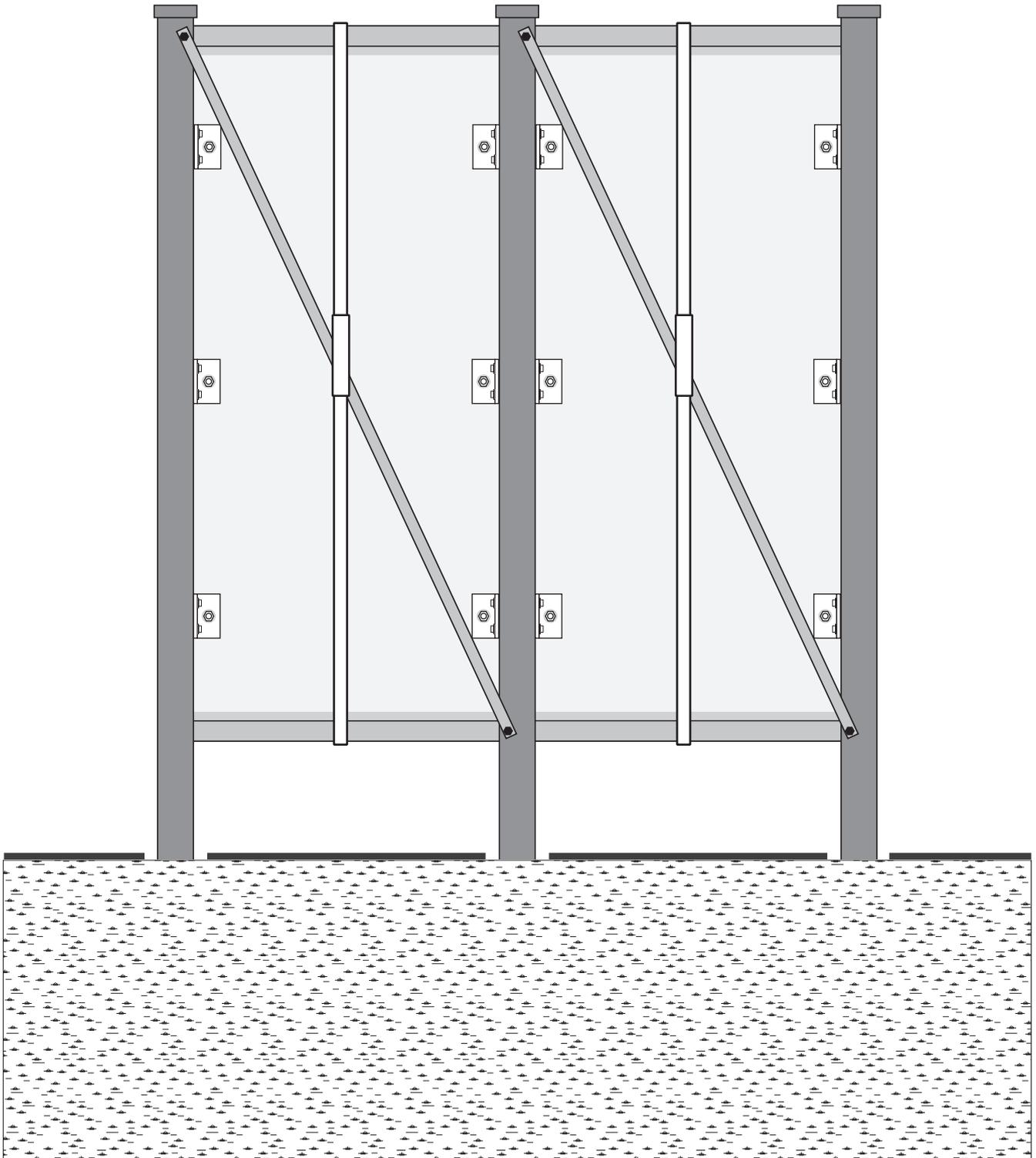
TIGHTEN ADJUSTORS

22. Complete fixing the four remaining adjustors.

23. Finger tighten the adjustor nuts up either side of the angle, then tighten evenly and firmly.

Note: If this is not done evenly the mirror will be distorted or it could break the mirror.

24. Check all bolts and nuts are firmly tightened.



ENJOY!

25. Remove the tie-down, being careful not to damage the mirror with the steel buckles.
26. Clean off any marks and enjoy.
27. Please send us some pictures.

