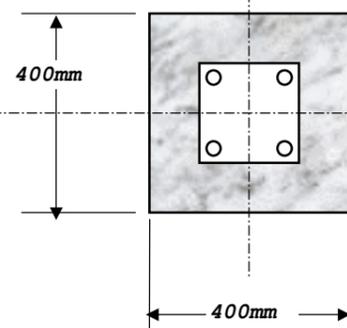
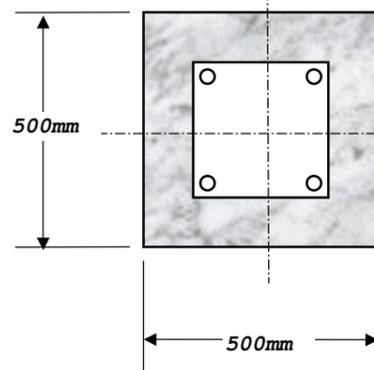


**PANTHER MANUAL RISING BARRIER  
INSTALLATION INSTRUCTIONS**

1. Position the pivot post in the centre of its concrete plinth. Drill and fix 1 rear bolt using a M16 X 100mm anchor bolt.
2. Align the boom carrier to a horizontal position and assemble the boom to the boom carrier. Position the crutch post on its plinth to support the weight of the boom.
3. Only when all align and square with the roadway (using shims if required) fix the remaining 3 No. Anchor bolts in the pivot post base plate.
4. Shim and fix the crutch post using 4 No. M12 X 100mm anchor bolts.
5. Fit the weights to the counterbalance plate using 2 No. M10 bolts (supplied).
6. Screw the handle to the top weight fixing bolt.
7. Lift the boom to the fully open position and ensure the spring loaded bolt engages holding the boom upright.
8. Secure the boom to the boom carrier by drilling and tapping through the boom into the boom carrier using 3 No. M6 set screws (supplied).
9. Lower the boom back into the crutch post and fit the boom signs central to the opening using fixing kit supplied (5mm pop rivets into the boom, nylon spacers and self tapping screws at top and bottom of signs).
10. Cut the boom back to the required length and fit the end cap.
11. Reduce (if applicable) amount of counterbalance weights, dependent on final cut length of the barrier boom.



**NOTES:**

- This drawing has been downloaded from our web site [www.motivation-tc.co.uk](http://www.motivation-tc.co.uk)
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