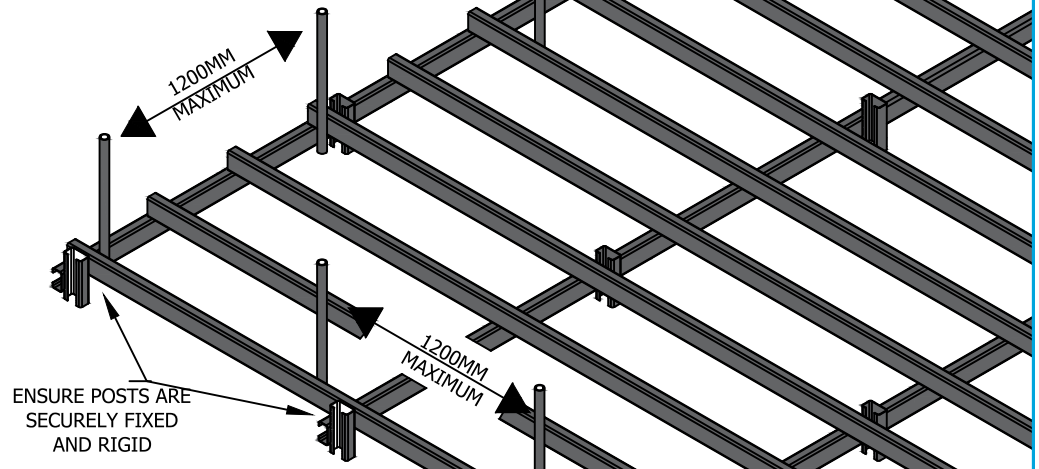
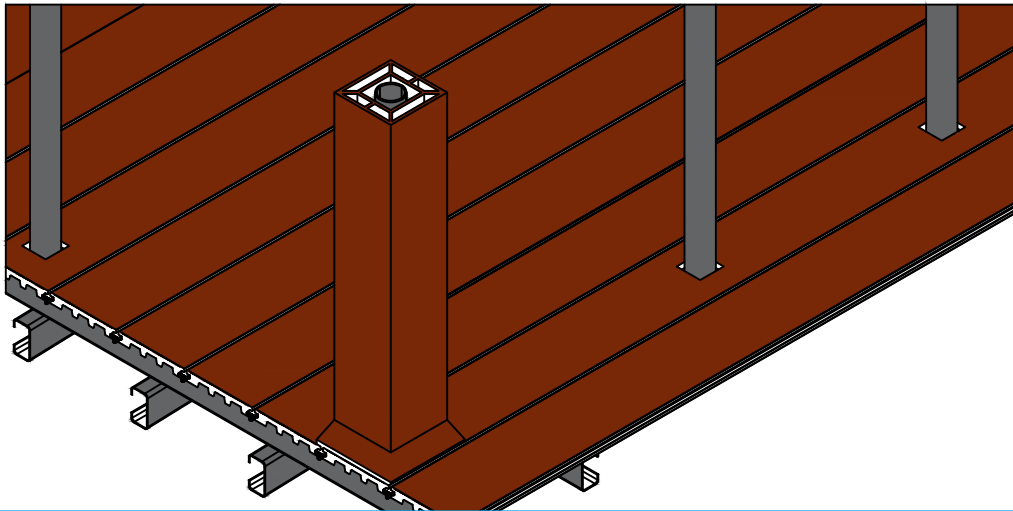


# INSTALLATION INSTRUCTIONS : COMPOSITE AND CABLED BALUSTRADE

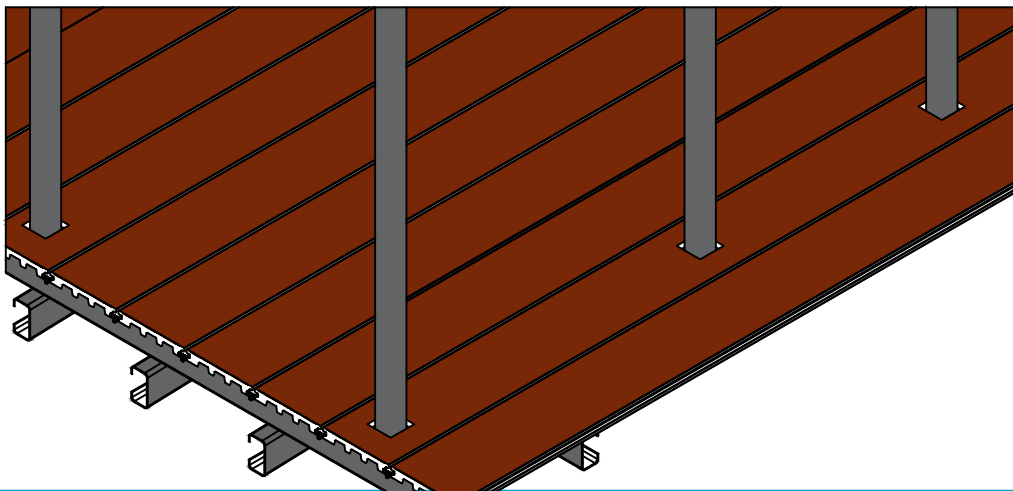
**1 FIXING YOUR BALUSTRADE POSTS** STEP 1 - BEST DECK COMPOSITE BALUSTRADE POSTS REQUIRE A 50mm ROUND TUBE. THE TUBE SHOULD BE THE HEIGHT OF THE BALUSTRADE POST. THIS STEEL TUBE WHICH MUST BE PRIMED OR GALVANIZED, NEEDS TO BE SECURED RIGIDLY TO EITHER THE SUB-STRUCTURE OR ANCHORED IN PLACE BY DIGGING HOLES AND CEMENTING THEM IN. THE VERTICAL SUPPORTS SHOULD NOT SPAN MORE THAN 1.2m APART.



**2 COMPLETING YOUR DECKING FOR POSTS.** NOW THAT YOUR POSTS ARE SECURE, COMPLETE YOUR DECKING. PLACE YOUR COMPOSITE DECKING PLANKS NORMALLY AS PER YOUR DECKING INSTALLATION GUIDE, THE ONLY DIFFERENCE IS THAT NOW YOU WILL HAVE TO CUT OUT THE HOLES ON SOME OF YOUR DECKING PLANKS FOR THE BALUSTRADE POSTS TO PROTRUDE THROUGH AS PER THE FIGURE ABOVE.



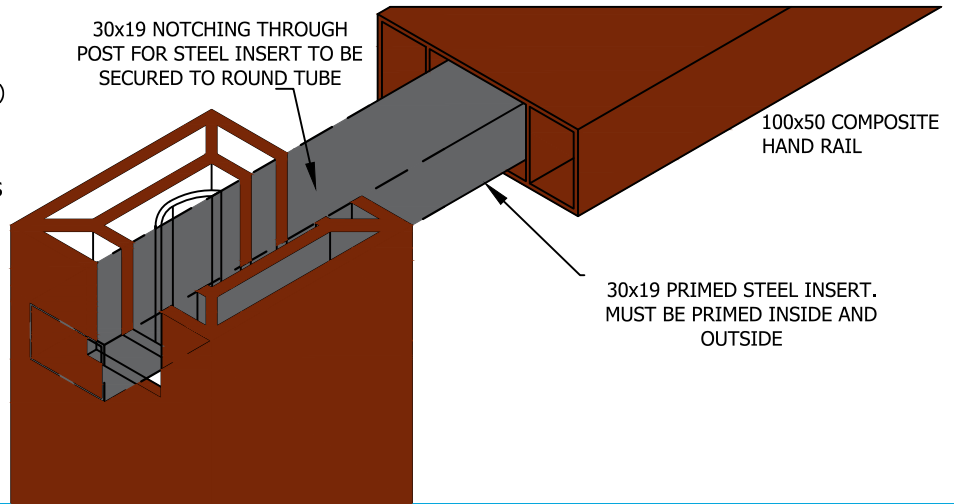
**3 FITTING YOUR POST AND POST SKIRTING.** NOW THAT YOUR STEEL POSTS FIXED INTO POSITION. TAKING THE COMPOSITE POSTS WHICH ARE CUT TO THE CORRECT HEIGHT, SLIDE THEM OVER THE SECURED ROUND TUBE. IF A POST SKIRTING IS REQUIRED, FIT AT THIS STAGE OF THE INSTALLATION.



# INSTALLATION INSTRUCTIONS : COMPOSITE AND CABLED BALUSTRADE

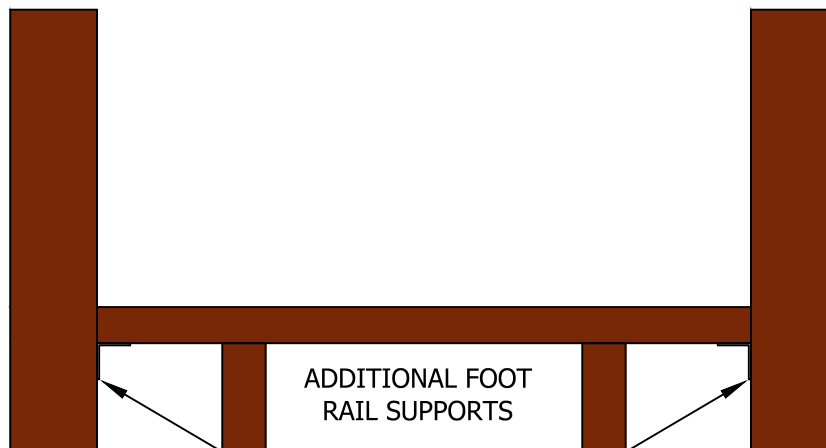
4

**INSERTING THE HAND RAIL.** INSERT A 30x19x1.2mm PRIMED (INSIDE AND OUTSIDE) STEEL TUBE DOWN THE CENTER CAVITY OF THE COMPOSITE PROFILE. NOTCHING OUT THE COMPOSITE POST AND STEEL TUBE INSERT TO LAY THE 30x19mm TUBE ON. THIS WHAT SUPPORTS YOUR HAND RAIL.



5

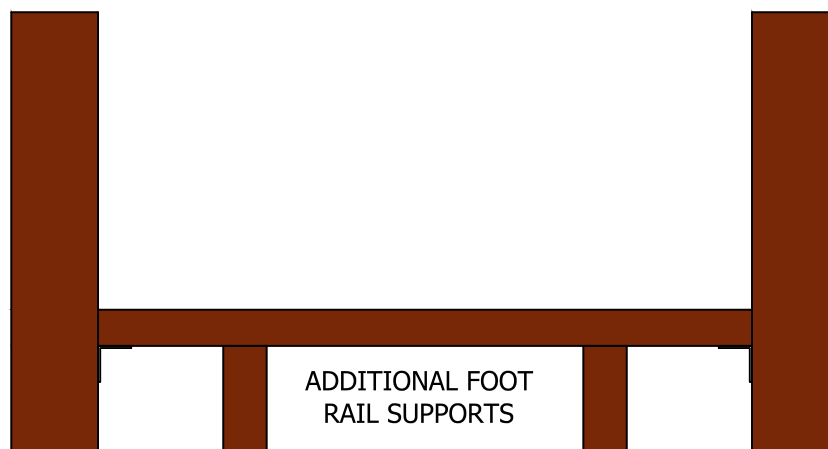
**FIXING THE FOOT RAIL TO THE COMPOSITE POSTS.** INSERT YOUR 100x50mm COMPOSITE MATERIAL BETWEEN THE COMPOSITE POSTS. USING A 90° GALVANIZED STEEL BRACKET, FIX THE FOOT RAIL TO THE VERTICAL POSTS. IT IS NOT NECESSARY TO INSERT A STEEL PROFILE INTO THE COMPOSITE RAIL AS THE NEXT STEP, NO.8 EXPLAINS HOW THE ADDITIONAL SUPPORTS FUNCTION.



50x50mm GALVANIZED STEEL BRACKET.

6

**FIXING YOUR FOOT RAIL** IT IS IMPORTANT THAT YOU ADD MIDWAY SUPPORTS FOR THE FOOT RAIL. USING OFF CUTS, CUT EXACTLY THE SAME SIZE AS THE SPACE BETWEEN THE BOTTOM OF THE FOOT RAIL AND THE DECK BELOW. THIS IS DONE FOR EXTRA ADDED SUPPORT.



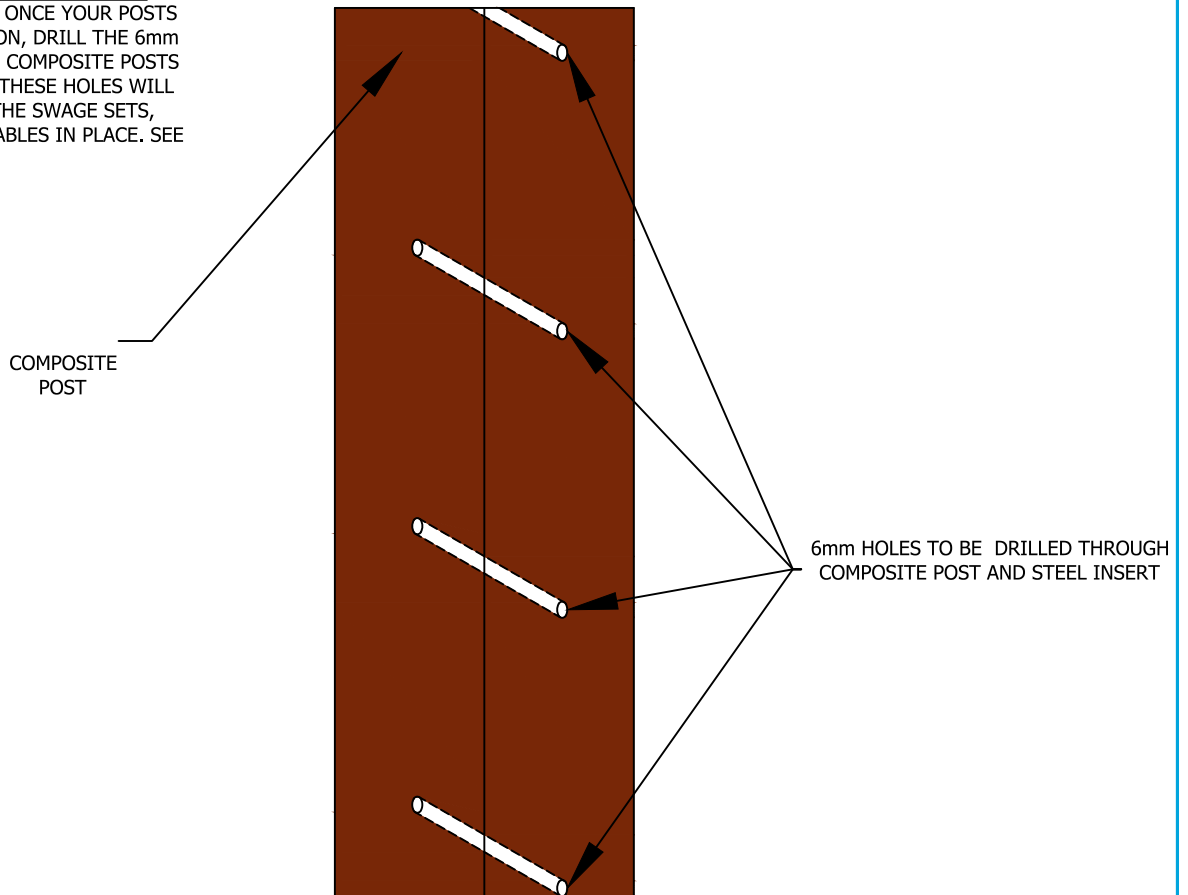
100X50mm COMPOSITE PROFILE

# INSTALLATION INSTRUCTIONS : COMPOSITE AND CABLED BALUSTRADE

7

## DRILLING THE HOLES FOR SWAGE SETS AND CABLING

ONCE YOUR POSTS ARE FIXED IN POSITION, DRILL THE 6mm HOLES THROUGH THE COMPOSITE POSTS AND STEEL INSERTS. THESE HOLES WILL BE USED TO INSERT THE SWAGE SETS, USED TO KEEP THE CABLES IN PLACE. SEE DIAGRAM 8.



8

## FIXING CABLES AND SWAGE SETS

THE STAINLESS STEEL CABLES ARE FIXED IN POSITION USING A SWAGE SET. A SWAGE SET IS A STEEL SLEEVE WHERE THE STAINLESS STEEL CABLE IS INSERTED INTO, THEN CRIMPED CLOSED. ENSURE THAT THE CRIMPING IS DONE CORRECTLY SO THAT THE CABLE CANNOT MOVE. THE SWAGE SET HAS A DOME NUT ON THE END WHICH IS USED TO TENSION THE CABLES.

**NOTE:** IT IS UP TO THE INDIVIDUAL TO DECIDE ON THE AMOUNT OF CABLE THEY REQUIRE. TAKING INTO ACCOUNT, STANDARD BALUSTRADE RULES CAN APPLY IN SOME CASES.

