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X

Section XX

METHOD STATEMENT

1. Rake out or cut slots for the Bar Flex into underside of arch to specified depth and at required spacing.

2. Drill clearance holes (12mm-16mm diameter depending upon material and length of tie to be used) to required depth and at required spacing into the slots already cut for the Bar Flex reinforcing. The holes to be angled at approximately 60° to the left or right of the slot. Alternate holes to go in opposite directions.

3. Vacuum out holes and thoroughly flush with water. Mix Bond Flex cementitious grout and load into gun with required length of correct size extension nozzle already attached.

4. Pump cementitious grout to outlet of nozzle. Insert nozzle to the full depth of drilled hole and pump grout to fill hole. Keep light pressure on gun to ensure that all voids are filled with grout.

5. Wind correct length Cem Flex tie into the hole using the Cem Flex insertion tool. The end of the tie to be left protruding into the slot cut for the Bar Flex reinforcing.

6. Clean grout away from protruding end of the tie and allow 24 hours for the grout to achieve an initial set.

7. After 24 hours vacuum out the slots for the Bar Flex reinforcing and thoroughly flush with water.

8. Insert a 10mm (approx) depth bead of Bond Flex cementitious grout into the back of the slot. Push first piece of Bar Flex reinforcement into the bead of grout to obtain good even coverage.

9. Insert a 10mm (approx) depth bead of Bond Flex cementitious grout up against existing grout and Bar Flex. Push the next piece of Bar Flex reinforcement into the bead of grout to obtain good even coverage.

10. Continue to install reinforcing as per 9 above until required number of the Bar Flex have been installed.

11. Bend ends of Cem Flex ties to follow along slot for reinforcing and insert a bead of Bond Flex cementitious grout over the last rod and the ends of the ties and iron into the slot using a finger trowel.

Guidance Notes : Unless specified otherwise the following criteria are to be used.

a. Depth of slot to be 65 to 75mm.

b. Number of Bar Flex per slot to be 4.

c. Nominal spacing between reinforced slots to be 450mm.

d. Nominal spacing between Cem Flex ties along slot to be 450mm.

e. Where the Bar Flex have to be joined in long runs a minimum of 500mm overlap should be allowed and all joints should be staggered.