



METHOD STATEMENT

1. Cut the slot for reinforcement down to springing line of arch. Drill 12mm clearance holes, depending upon material, to required depth in line with the slot for Bar Flex1 (top) and Bar Flex4 (bottom). The holes should be angled upwards and downwards from the line of the reinforcing to give an angle of about 30° between them.

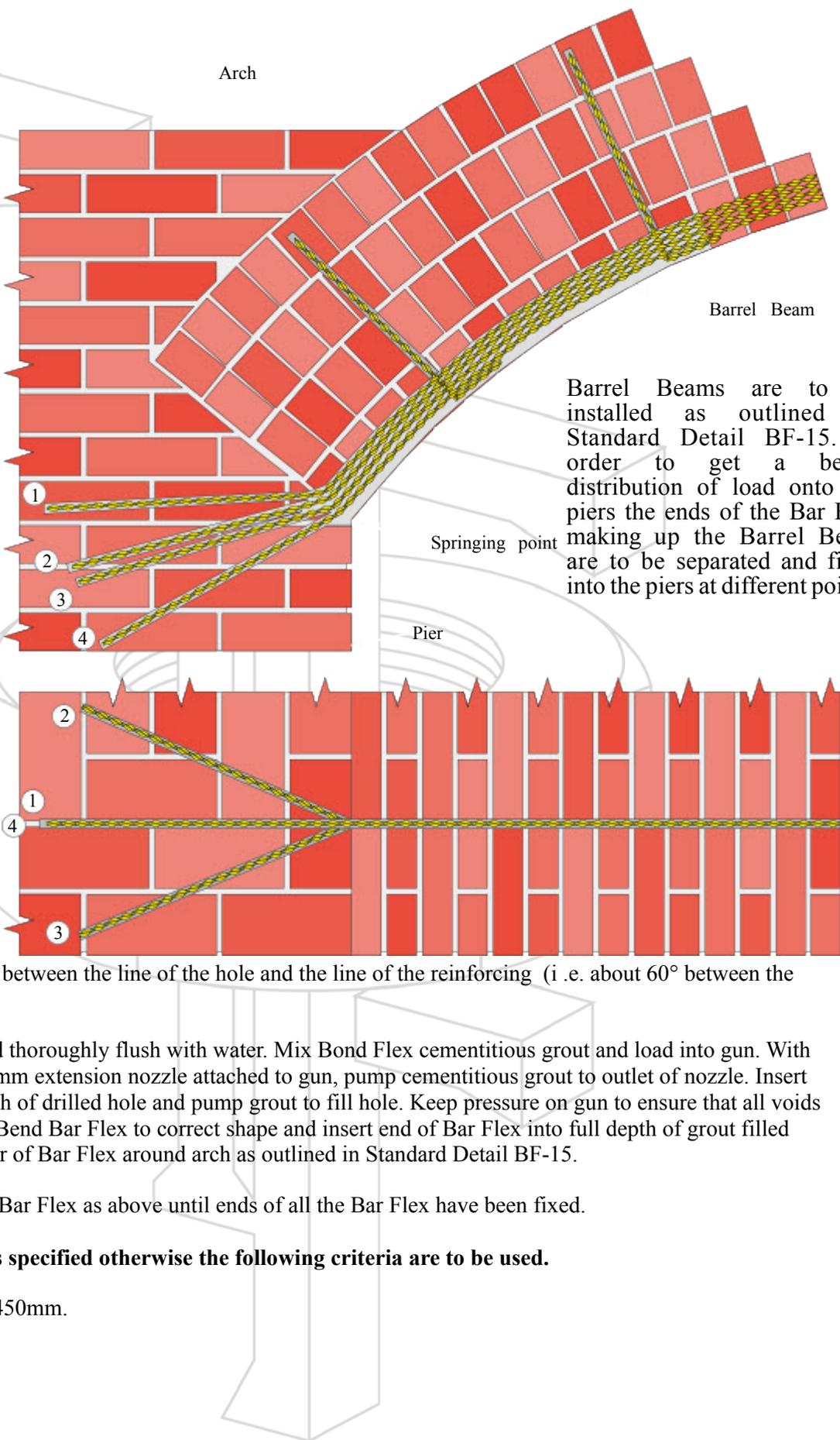
2. Drill 14mm clearance holes, depending upon material, to required depth outwards from the slot for Bar Flex 2 and 3 (central bars). The holes should be angled left and right to give an angle of about 30° between the line of the hole and the line of the reinforcing (i.e. about 60° between the holes).

3. Vacuum out holes and thoroughly flush with water. Mix Bond Flex cementitious grout and load into gun. With required length of 12mm extension nozzle attached to gun, pump cementitious grout to outlet of nozzle. Insert nozzle to the full depth of drilled hole and pump grout to fill hole. Keep pressure on gun to ensure that all voids are filled with grout. Bend Bar Flex to correct shape and insert end of Bar Flex into full depth of grout filled hole. Install remainder of Bar Flex around arch as outlined in Standard Detail BF-15.

4. Continue to fix other Bar Flex as above until ends of all the Bar Flex have been fixed.

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

a. Depth of holes to be 450mm.



Barrel Beams are to be installed as outlined in Standard Detail BF-15. In order to get a better distribution of load onto the piers the ends of the Bar Flex making up the Barrel Beam are to be separated and fixed into the piers at different points.