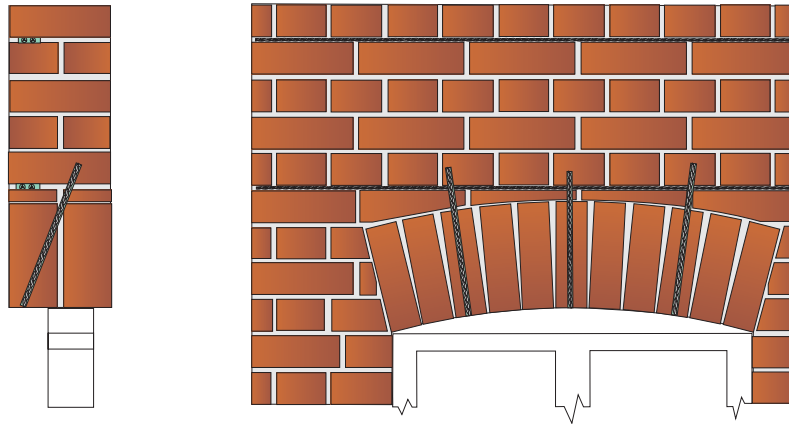


## Repairing Failed Arch Lintels in Solid Walls



- (1) Cut out slots into horizontal mortar joints to specified depth and at required vertical spacings. Blow out slots and thoroughly flush with water.
- (2) With the aid of a grout gun insert a 10mm bead of Cemspand cementitious grout into the back of the top slot only. Push the Tri-bar rod into the grout until a good coverage is achieved. Insert a second 10mm bead of Cemspand cementitious grout over the exposed rod. Push second Tri-bar rod into the grout until a good coverage is achieved. Insert a final 10mm bead of Cemspand cementitious grout over the exposed rod and iron into slot using a finger trowel.
- (3) After locating and marking positions of holes on the under side of arch. Drill clearance holes (13mm-14mm diameter depending upon material) at required angle and depth. Angle of drill should just miss the back of lower Tri-bar beam and continue up at least 50mm into the above brick course.
- (4) Blow out holes and thoroughly flush with water.
- (5) With the aid of a grout gun, pump Cemspand cementitious grout to outlet of nozzle. Insert nozzle to full depth of drilled hole and pump grout to fill hole. Maintain pressure on gun while retrieving nozzle to ensure that all voids are filled with grout. Wind correct length Cem-fix into hole using Fast-fix support tool. Make good all holes at surface with colour matching dyed mortar.
- (6) Install lower Tri-bar beams as per (2). When Cemspand has set repoint joint to match existing mortar joint.

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

- a) The depth of slot to be 55 to 70mm
- b) Tri-bars are to extend a minimum of 500 mm each side of opening.
- c) Top and bottom Tri-bar beams to be vertically spaced as far a part as possible to maximum distance of 900mm.
- d) Cem-fix spacings no more than 400mm.