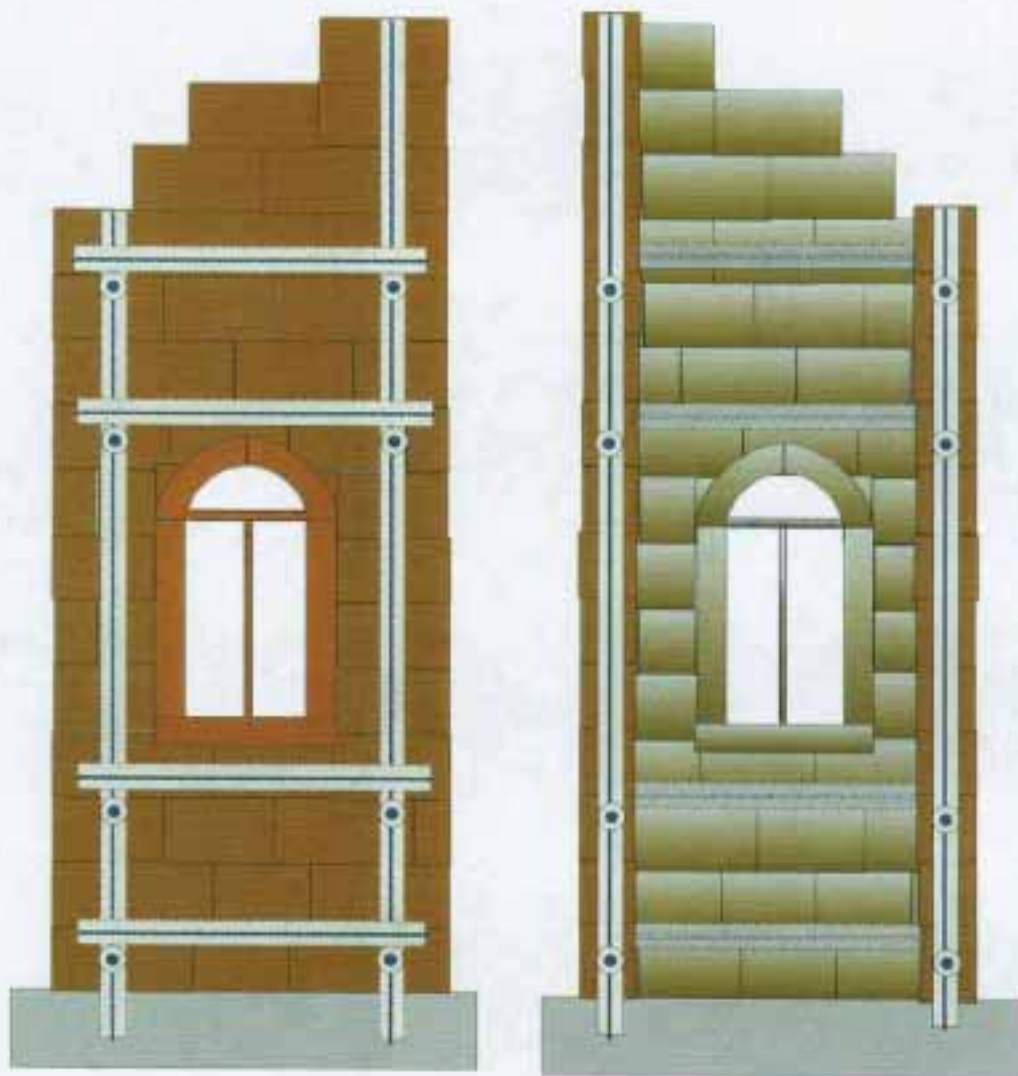


SPINETEC

The connection of anchors within structures.



elevation

section

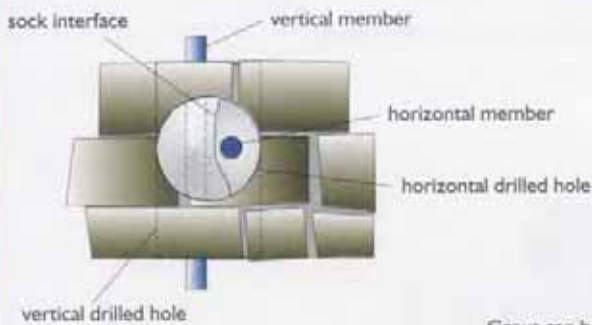


DESIGNED ANCHORING SYSTEMS
FOR THE CONSTRUCTION INDUSTRY

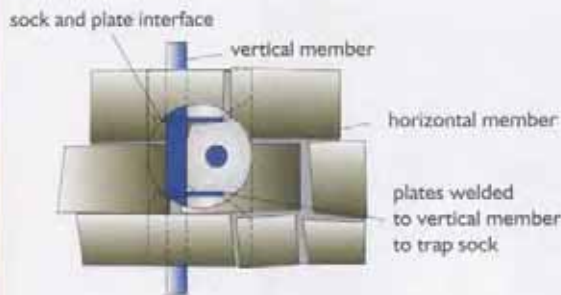
Method of providing an internal spine of steel into the core of a weak structure. The connection of anchors within structures.

Dimensions dependent on loads required and parent material strengths

Interlocking sock method



Interlocking sock joint



Grout can be designed to be sympathetic to parent material

Installation technique

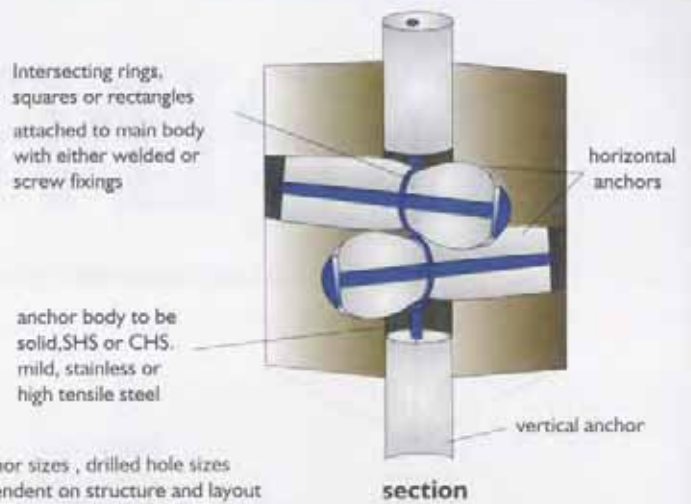
Phase 1
detailed survey of structure including detailed horizontal and vertical dimensions.



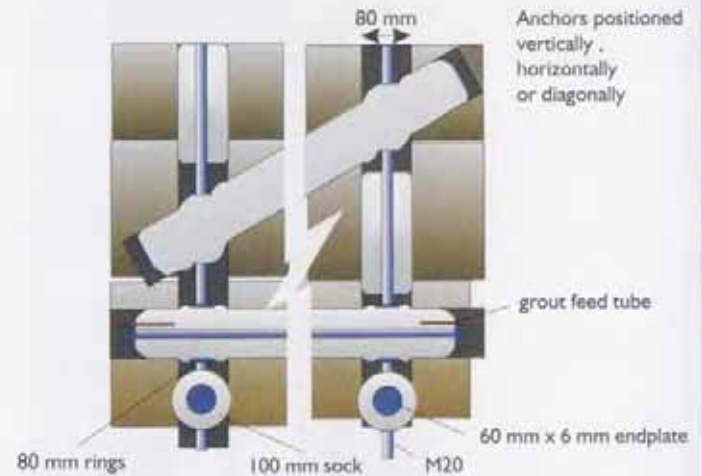
ELEVATION



PLAN



Anchor sizes, drilled hole sizes dependent on structure and layout



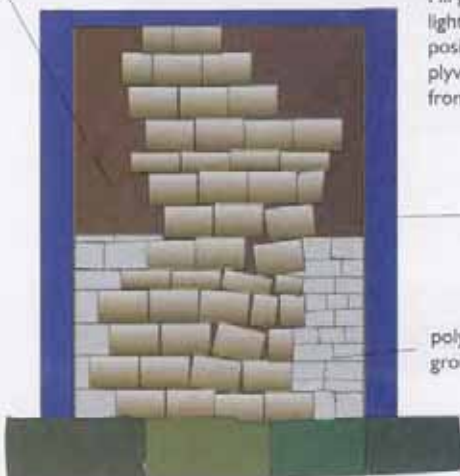
Phase 2
Erect purpose designed metal jig to surround structure with known dimensions

Purposed built scaffold jig erected around structure



plywood

Phase 3
Line scaffold with plywood to totally enclose structure. Fill polythene bags with lightweight grout and position them between plywood and masonry from the bottom up.



elevation

Purposed built scaffold jig erected around structure

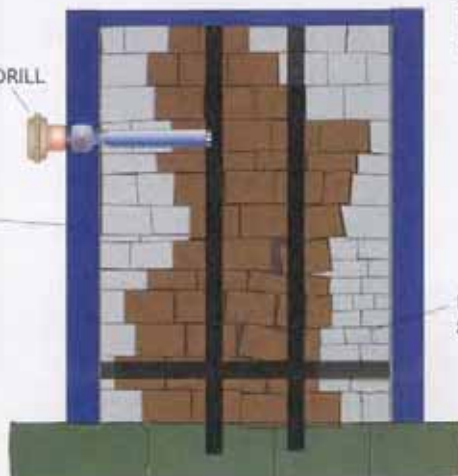
polythene bags grout filled



plan

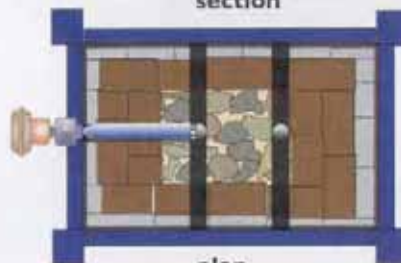
DRILL

Phase 4
Carefully set location of vertical and horizontal anchor positions. Diamond drill hole from the supporting jig.



section

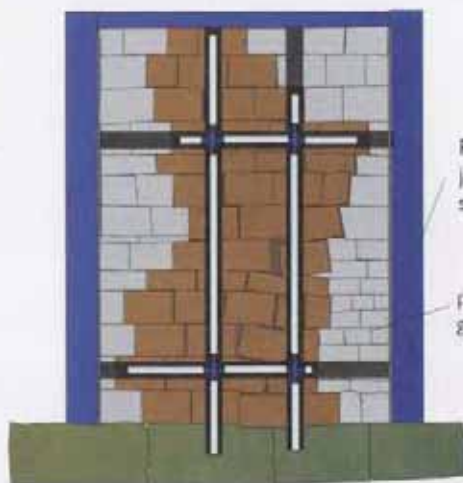
polythene bags grout filled



plan

Phase 5
Carefully set anchors in predetermined holes

Phase 6
anchors are inflated and the masonry cores reinstated



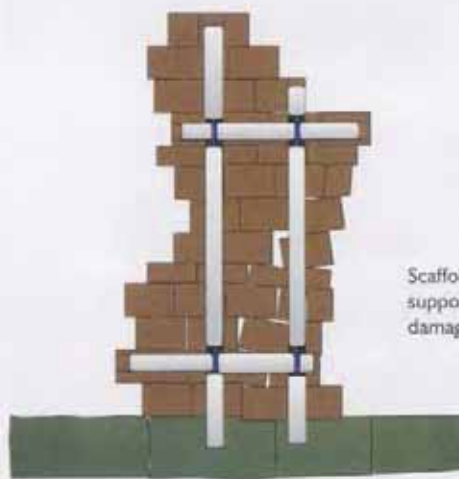
section

Purposed built scaffold jig erected around structure

polythene bags grout filled



plan



section

Scaffold and temporary supports removed without damaging structure.



plan