

PUGIN HALL, RAMPISHAM , DORSET

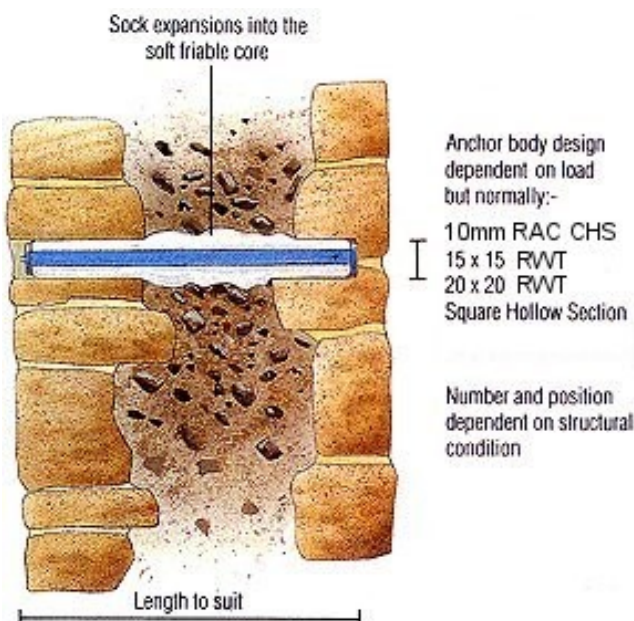
Pugin Hall, former rectory, now a private house, built 1846-7 by A.W.N. Pugin for the Rector of Rampisham. Pugin was one of the most important and distinguished architects of the Victorian period, renowned for his originality and attributed with reviving the popularity of Gothic architecture in the mid C19. It is a Grade 1 listed building.



Structural defects: The south, west and parts of north walls required consolidation as delamination had occurred. Also lateral restraint was needed to the same walls. At roof level the wall plate bearing the rafters was independent of the ceiling joists, thereby causing spread of the roof, which, in turn, had pushed the external skin of the rubble wall outwards. This wall required consolidation for at least the top metre of its height, and a mechanical connection of the ceiling joists to the outer wall plate and rafters.

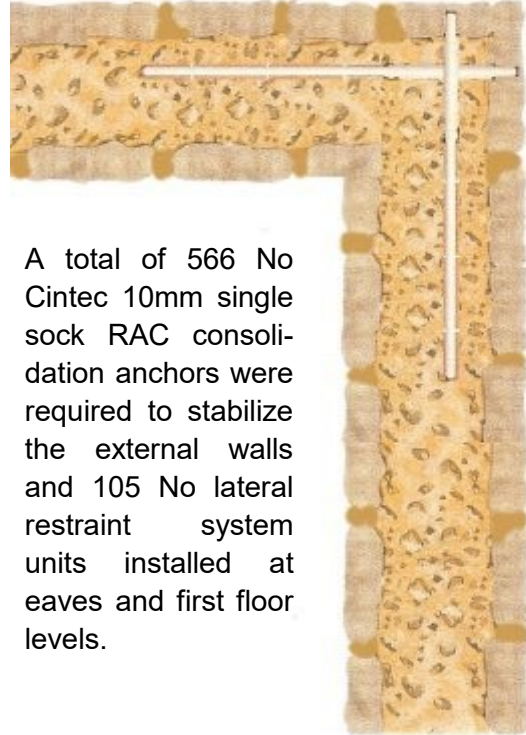
Large areas of the external walls were delaminating as set out in the report by Brian Moreton in his report to English Heritage along with other defects for consideration and attention.

Cintec were asked to put forward proposals for structural repair for consideration by English Heritage and the Moreton Partnership by Patrick Stow of the PJ Stow & Associates.



Large areas of the external walls had their outer and inner skins locked together with Cintec consolidation anchors.

Sections of the north wall required substantial stitching where significant cracking had occurred through the lack of lateral restraint at both eaves and first floor level.



A total of 566 No Cintec 10mm single sock RAC consolidation anchors were required to stabilize the external walls and 105 No lateral restraint system units installed at eaves and first floor levels.

Cintec stitching anchors were used to stabilize walls where cracks had occurred, along with the Cintec lateral restraint systems at eaves and first floor level.



LATERAL RESTRAINT AT EAVES

