

STRUCTURAL ENGINEER'S STATEMENT FOR THE REMEDIAL WORKS TO THE SPINE WALL

Project:	41-42 Chester Terrace, NW1	Project No:	7851
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1. INTRODUCTION

- 1.1 This statement has been prepared to outline the extent of the remedial works to the spine wall between no. 41 & 42 Chester Terrace.
- 1.2 Openings are to be formed in the east end of the spine wall (next to entrance doorway) between the 2 houses no. 41 & 42 at ground, first, second and third floor levels.
- 1.3 Whilst forming the openings, both reveals appeared to be in very poor condition. The wall is constructed with a half brick skin to each side of a 9 inch brick wall. This part of the wall indicates that flues are present within the wall structure.
- 1.4 The wall reveals are considered unsuitable to support bearings for new steel lintels which will also support new concrete landings.

2. DESCRIPTION OF WORKS

- 2.1 It is proposed to form the openings using a steel goal post arrangement at each floor level that is tied into the existing brick wall.
- 2.2 It is proposed to construct 2no PFC's either side of the openings connected top and bottom to steel beams and vertically restrained to the wall using resin anchors. (Refer to sketch drawing SK062)
- 2.3 The bottom PFC's will be connected to the existing steel picture that has been constructed to form the opening between the two houses at basement level.