

**Outline Method Statement
for
Roof strengthening
of 2-6 Beach Road,
Littlehampton**

On behalf of Thomas Newell Ltd

1 Location

1.2 The property spans the addresses of 2 – 6 Beach Road, Littlehampton.

1.3 It comprises a ground floor of commercial premises, with two further floors of residential and a large pitched roof void.

1.4 The building is starting to show evidence of stress points and movement.

1.5 With consultation from our architect and structural engineer, we believe the root of these issues pertain to the roof.

2 Description of defects

2.1 As described above, the building is starting to spread at the apex.

2.2 The roof can no longer withstand the weight of the large span and is starting to push against the gable walls.

2.3 From inspection inside the roof space, quite a few tiles are missing and some are starting to laminate. Daylight can be clearly seen within the roof.

2.4 A large number of the structural timbers are loose.

2.5 There is an extremely large, heavy steel beam located in the roof space, which is no longer serving a purpose.

- 2.6 It has been concluded that the roof requires strengthening in the immediate future.
- 2.7 Before work starts on the building a risk assessment will be carried out on the site before any work commences.
- 2.8 All flats will be vacated.
- 2.9 Scaffolding will be erected around the whole building.
- 2.10 Permits will be applied for along the public footpath.
- 2.11 All relevant safety procedures will be undertaken by the scaffolding company who have their own public liability and insurance.
- 2.12 The scaffolding will be alarmed and encased in netting around the perimeter.
- 2.13 We will take advise nearer the time as to whether a roof will need to be provided to the scaffolding.

3. Description of work:

- 3.2 The tiles and battens will be removed for access.
- 3.3 Tiles in poor condition will be disposed of and tiles which are in good condition will be put back onto the front of the roof at the end of the work. New tiles will go on the rear.
- 3.4 'UB Ties' will be notched tightly over top purlin and bolted either end of roof timbers at eaves.
- 3.5 Existing ties will be bolt fixed.
- 3.6 New courses as existing to give a regular spacing of approx 1600mm.
- 3.7 Front purlin propping to be improved with diagonal strutting.

- 3.8 Existing front purlin to be propped off ceiling binder.
- 3.9 Additional rear purlin struts as for front.
- 3.10 If possible, the rafter line will be dropped back onto the wall plate.
- 3.11 All vertical and horizontal supports will be secured with straps.

For further information and diagrams see sketch plan and notes from the Structural Engineers Dixon, Hurst, Kemp.