

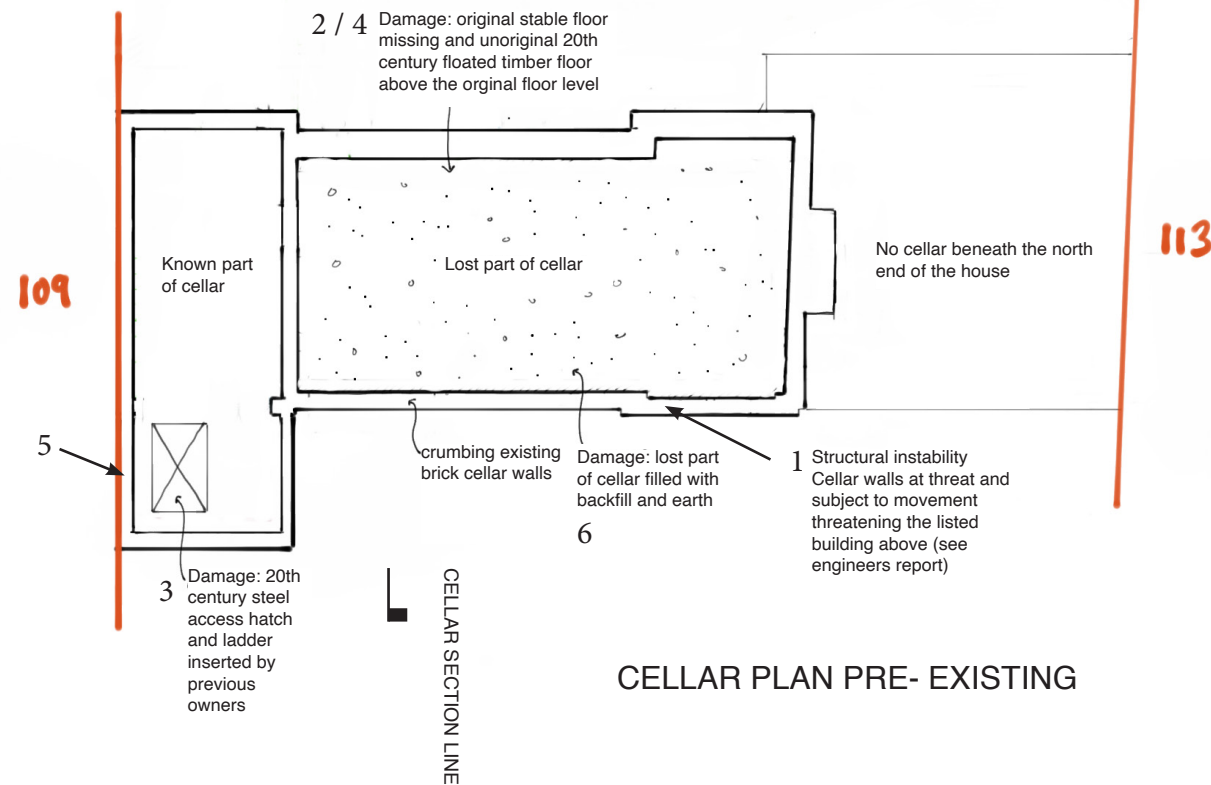


CHAN + EAYRS 111 Frogmal, Hampstead NW3 6XR			
Zoe Chan Eayrs and Merlin Eayrs			
Project : 111 Frogmal			
TITLE : BLOCK AND SITE PLAN (EXISTING AND : PROPOSED - NO CHANGE)			
Date 04/08/21	Scale 1:50 @A0	Drawing No. BP__	Rev.01
			



1 Living room walls above cellar propped from inward collapse



CELLAR PLAN PRE- EXISTING

PRE-EXISTING CELLAR AND GROUND FLOOR NOTES

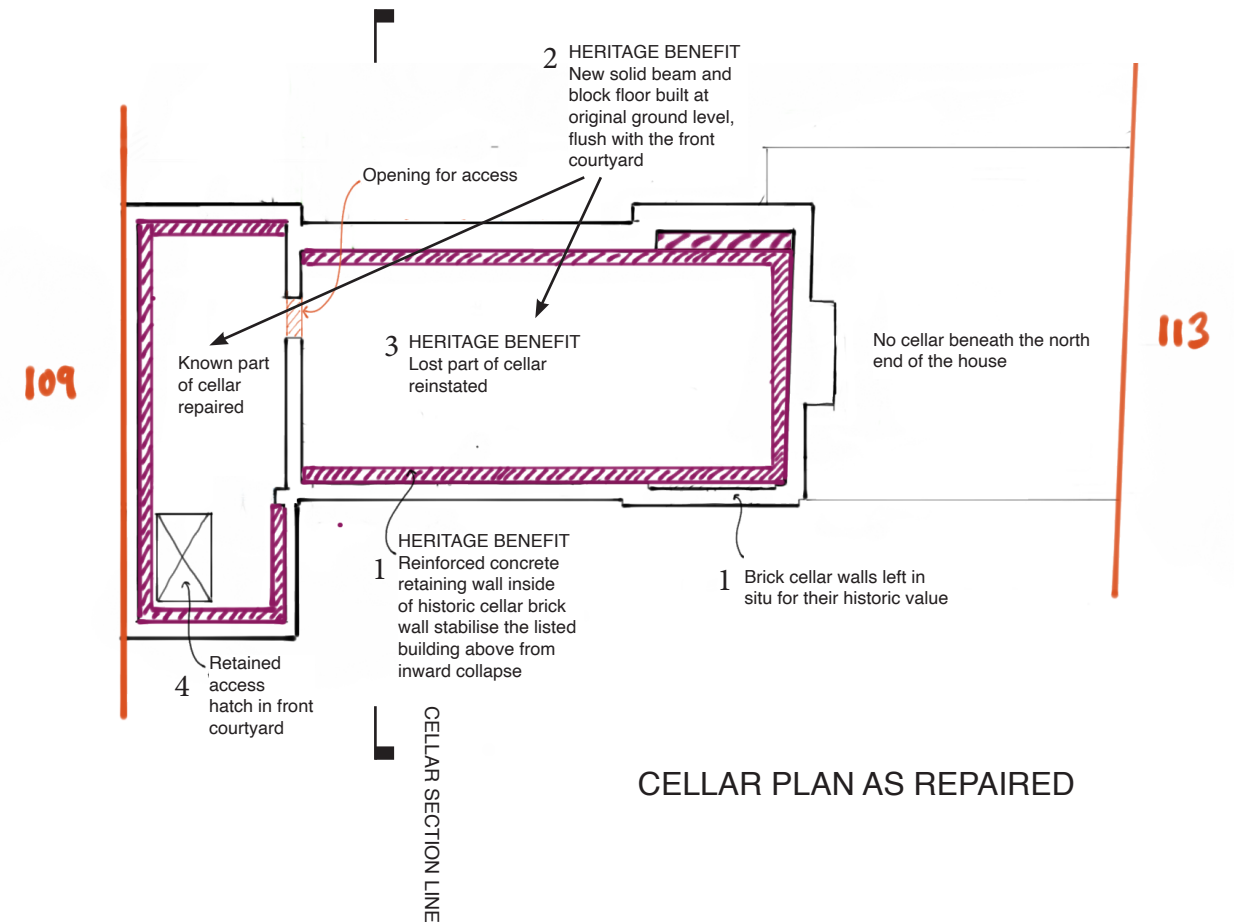
1. LISTED HOUSE AT THREAT OF INWARDS COLLAPSE- Cellar walls beneath the listed house subject to external earth pressures and at threat of collapse endangering the listed building above
2. 20TH CENTURY DAMAGE: ROTTEN FLOATED GROUND FLOOR- unoriginal 20th century ground floor was rotten and floated 400mm above the original ground floor. This damaged the visual character of the above ground listed building and the legibility of the historic building's use as a stable block to Frogna Grove.
3. 20TH CENTURY DAMAGE: MODERN ACCESS - Pre-existing cellar was accessed through a modern external ladder and steel hatch installed by previous owners in the 20th century
4. 20TH CENTURY DAMAGE: MISSING STABLE FLOOR- the original stable floor beneath the floated timber floor was removed in the 20th century
5. 20TH CENTURY DAMAGE: CELLARS AT FROGNA GROVE SUBDIVIDED WHEN SUBDIVIDED INTO 10 SITES
6. 20TH CENTURY DAMAGE: PART OF CELLAR BACKFILLED

- USE: NOT HABITABLE SPACE

- VISIBILITY: NOT VISIBLE FROM MAIN HOUSE OR ABOVE GROUND




Photo of brick cellar wall propped from inward collapse

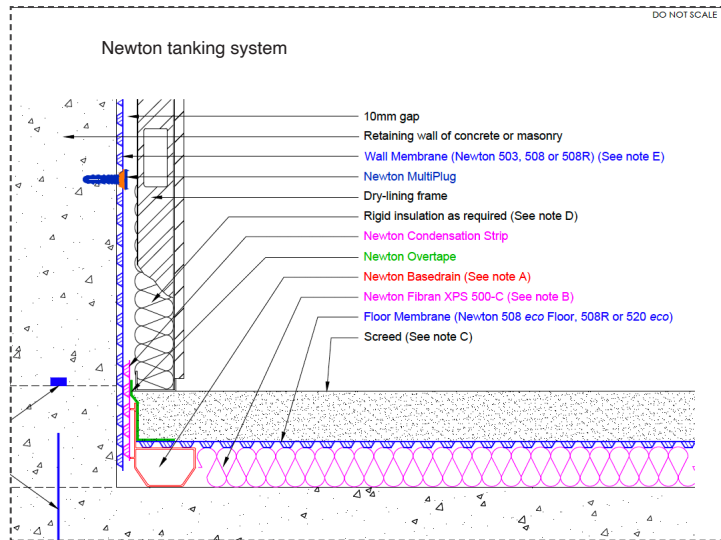


CELLAR PLAN AS REPAIRED

REPAIRED CELLAR AND GROUND FLOOR NOTES

1. HERITAGE BENEFIT: STABILISED FROM COLLAPSE- All brick cellar walls retained with structural reinforced concrete walls and slab inserted within the historic fabric. Historic cellar walls which were hidden in their preexisting state are left in situ for their historic value within the ground.
 2. HERITAGE BENEFIT: ORIGINAL GROUND FLOOR REINSTATED. - Pre-existing rotten timber ground floor removed and new beam and block floor reinstated at original ground level, flush with front courtyard
 3. HERITAGE BENEFIT: BACKFILLED PART OF CELLAR REINSTATED: backfill earth and rubble removed and lost volume reinstated
 4. MODERN EXTERNAL ACCESS UNCHANGED: Via hatch and ladder from the front courtyard
- USE UNCHANGED: NOT HABITABLE SPACE
- VISIBILITY UNCHANGED: NOT VISIBLE FROM MAIN HOUSE OR ABOVE GROUND

CHAN + EAYRS 111 Frogna, Hampstead NW3 6XR		
Zoe Chan Eayrs and Merlin Eayrs		
Project : 111 Frogna		
TITLE : CELLAR PLAN EXISTING AND BUILT :		
Date 04/08/21	Scale 1:50 @A0	Drawing No. CRP
		Rev.02
<div><div>0</div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div></div>		



Beam and Block Floor Specification

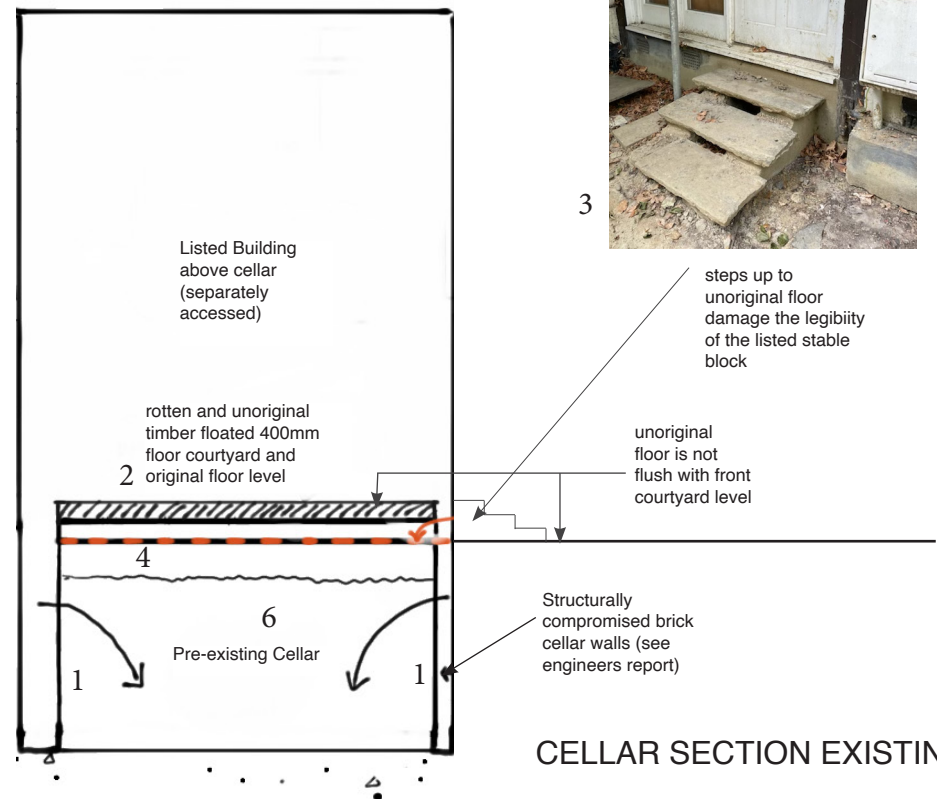
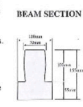
Director: Mr D.C. Rose, BSc (Hons) C Eng, M.C.E., M.I. Struct. E.
Associate Director: Mr R. Andrews, Eng. A.M.I. Struct. E.

ASSUME NEWTON DESIGN BLOCKS
WALL BE USED
SPANIC 4 BLOCKS HOUSE BEAM (HB)
CONDITION 2, WORK

LOAD SPAN TABLE

Span (m)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
400 x 215 x 100 Blocks	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
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DETAILS OF BEAM
SECTION CONSTANTS
DESIGN EXAMPLE
FIRE RESISTANCE



steps up to unoriginal floor damage the legibility of the listed stable block

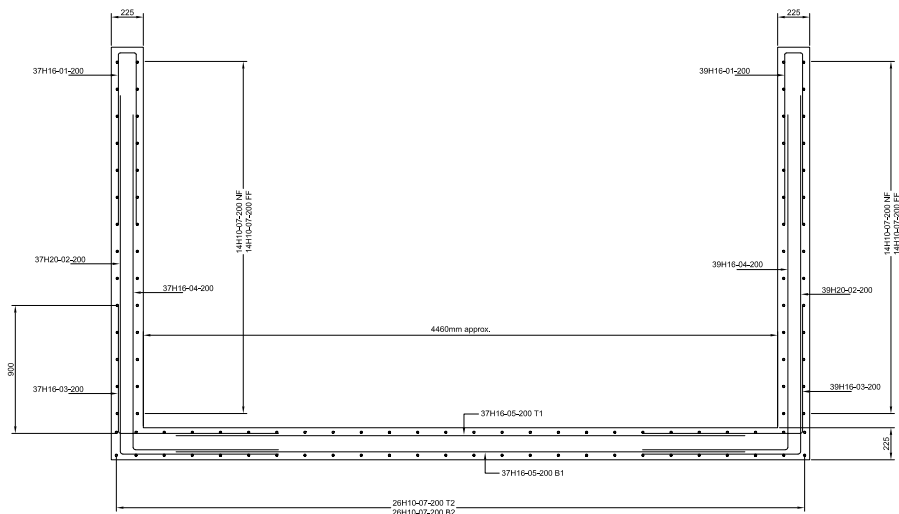
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Rose and Associates Sectional Detail of structural retaining wall and slab



1. All concrete works to BS8110.
2. Concrete to be grade C25 at 28 days.
3. Maximum aggregate size to be 20mm.
4. Minimum cement content to be 330kg/m³.
5. Reinforcement to be to BS4449.

AP Alternately placed
AR Alternately reversed
AS Alternately staggered
VB Vertical bar
HB Horizontal bar
EF Each face
Top
Bottom

7. Cover: unless noted otherwise cover to all reinforcement to be 40mm

8. Minimum bar lap lengths to be:
Bar Size Lap Length (mm)
10 450
12 500
16 720
20 900
25 1125
32 1440

