

Rev	Date	Description	Drawn	Checked
P1	06.08.18	For Comment	RS	CG
P2	29.10.18	For Comment	RS	CG
P3	07.03.19	For Comment	ES	CG
P4	05.04.19	Updated	ES	CG
P5	01.05.19	Updated	ES	CG

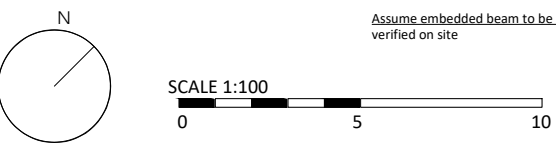
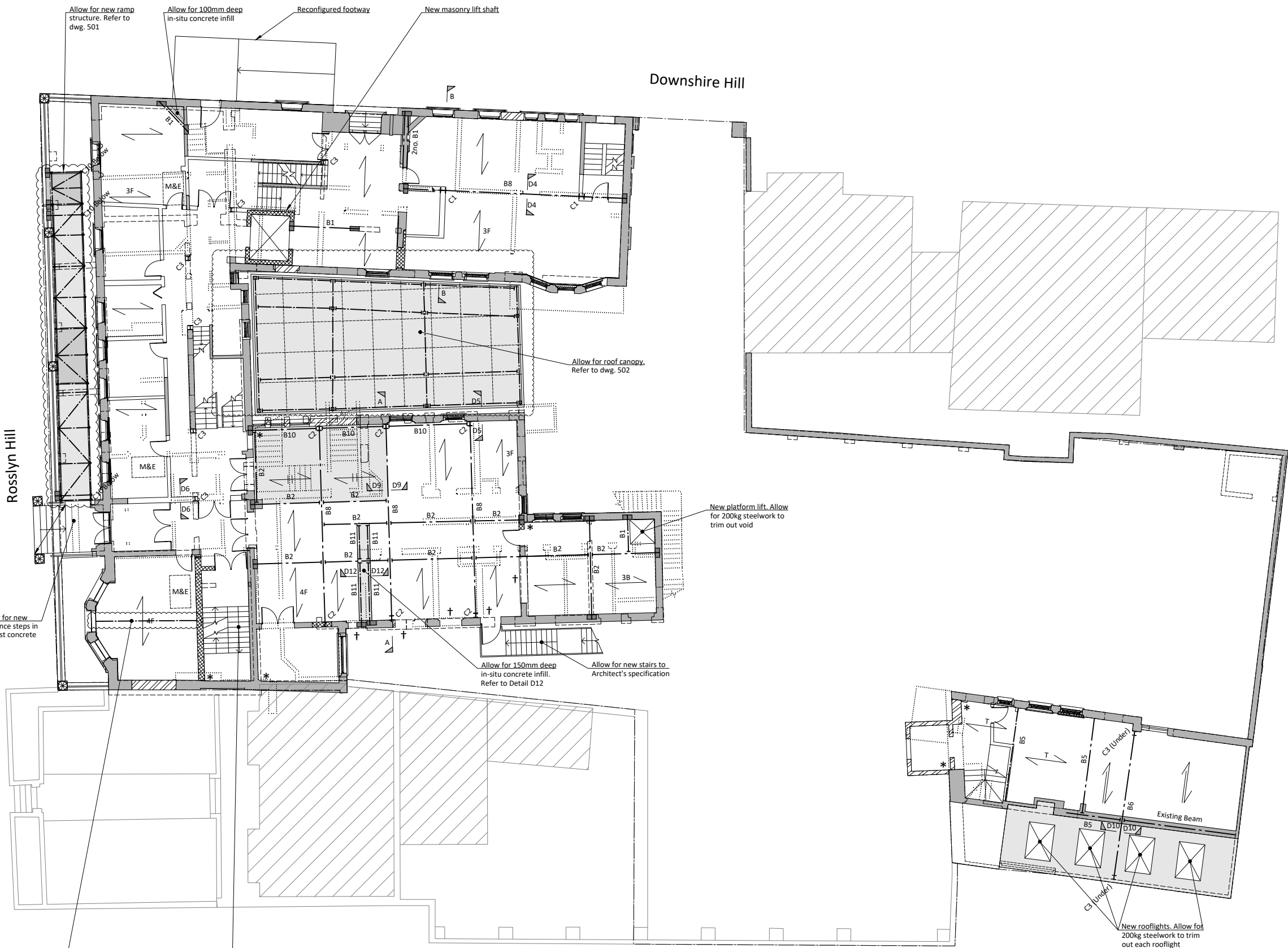
Stage 3 Drawing

**NOTES:**  
This scheme is based on limited opening up works of the existing structure. All assumptions subject to confirmation during next stage

Proposed Beam Schedule	
Ref.	Serial Size
B1	203x133x25 UKB
B2	356x171x45 UKB
B3	457x191x74 UKB
B4	533x210x92 UKB
B5	203x203x46 UKC
B6	254x254x89 UKC
B7	305x305x118 UKC
B8	356x368x177 UKC
B9	356x406x467 UKC
B10	152x152x30 UKC
B11	200x90x30 PFC

Proposed Column Schedule	
Ref.	Serial Size
C1	254x254x107 UKC
C2	203x203x86 UKC
C3	203x203x46 UKC
C4	152x152x30 UKC

- Key:**
- Indicates new brickwork to Architect's specification with class (iii) mortar. Brickwork with F2 designation to be used below DPC
  - Indicates 3.6N/mm² blockwork with class (iii) mortar. Engineering bricks or F2 designation blockwork to be used below DPC
  - Indicates line of structure under
  - Indicates existing structure to be demolished. Where existing walls are being demolished, foundations are to be retained to provide support to new floor structure
  - Indicates junction between new and old masonry walls use Ancon Stairfix Universal wall starter kit
  - Indicates lintels over openings to be raised. Allow for precast builders work lintels internally and reforming arches on exterior elevations
  - Indicates new opening. Precast concrete lintels and exterior detailing to Architect's specification
  - Indicates assumed span of existing floor. Number/letter reference where build-up has been confirmed, see dwg. 500
  - Typically, joists are at 650mm centres, with 100mm deep clay pot and clinker concrete infill and topping
  - Indicates existing beam and block floor
  - Indicates new 150mm deep concrete floor on metal deck
  - Indicates new 200x50mm C24 timber joists at 400mm centres
  - Unless noted otherwise, allow for 450x215x215mm deep mass concrete padstones under all beams
  - Allow for new steelwork at high level to support mechanical plant. Allow 200kg. Make allowance for openings for air ducts including lintels



PRELIMINARY  
NOT FOR CONSTRUCTION

Title: Ground Floor Structural Engineering Plan  
Project: Abacus Betsize Primary School, NW3

Client: ESFA  
Job No: 4343  
Drawing No: 101  
Revision: P4 Scale: 1:100 at A1