

GENERAL NOTES:
All dimensions indicated on this drawing are to be checked by the Contractor on site prior to construction.
Do not scale from paper copies or digital versions of this information
All temporary works to be designed by others
All works to be undertaken in accordance with the current Building Regulations Part A, British Standards and good building practice.

NOTES
Loadings
Note that this foundation layout has been produced without loadings arrangements from a timber frame supplier, hence assumptions in terms of spans and weights have been made.

Our assumptions are:
External Walls: Dead: 1kN/sqm / Live: NA
Internal Walls: Dead: 0.6kN/sqm / Live: NA
Roof: Dead 1kN/sqm / Live: 0.6kN/sqm
Finishes to ground floor: DL: 2.5kN/sqm (inc 0.5 Parts) / LL: 3kN/sqm

Loadings on Wall lines:
Wall1: Roof DL: 4.2kN/m / LL: 2.6kN/m, Walls DL: 2kN/m
Wall2: DL Roof DL: 2kN/m / LL: 1.2kN/m, Walls DL: 2kN/m
Wall3: DL Roof DL: 4.7kN/m / LL: 2.9kN/m, Walls DL: 2kN/m
Wall4: DL Roof DL: 2.1kN/m / LL: 1.3kN/m, Walls DL: 4kN/m
Wall5: DL Roof DL: 0.5kN/m / LL: 0.3kN/m, Walls DL: 4kN/m
Wall6: Roof DL: 2kN/m / LL: 1.2kN/m, Walls DL: 2kN/m

Note that brown span arrows denote the assumed span of the roof joists.

Provide a 175thk concrete slab reinforced with A252 top and bottom with 30 cover to top and 50 cover to bottom laid on a suitable membrane on to c stone. Slab designed to accommodate insulation and a 75mm thick non structural screed over.

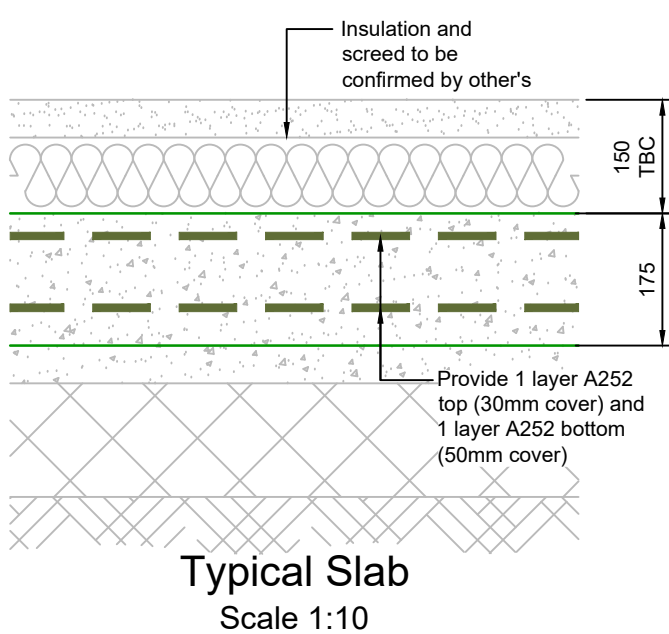
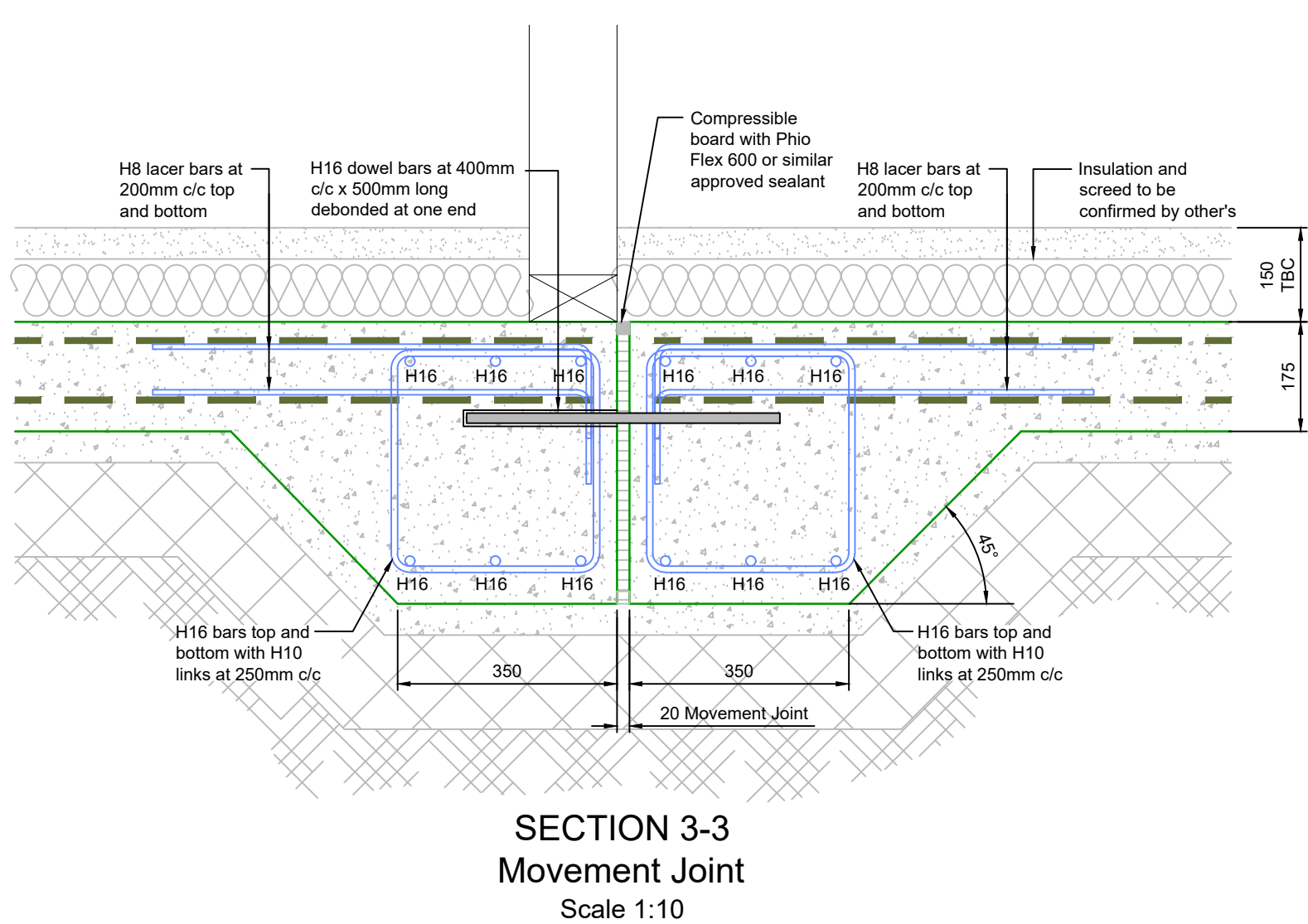
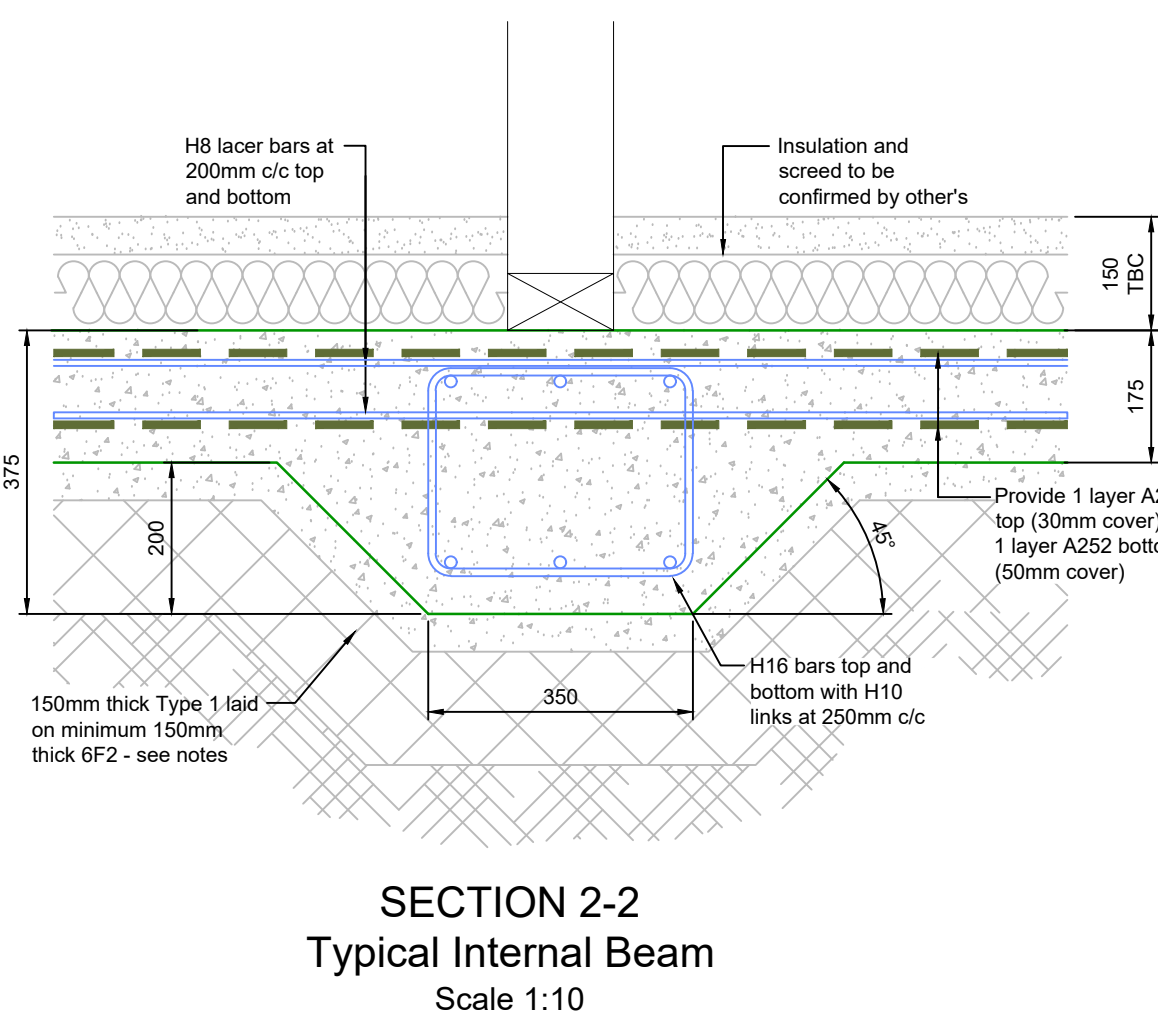
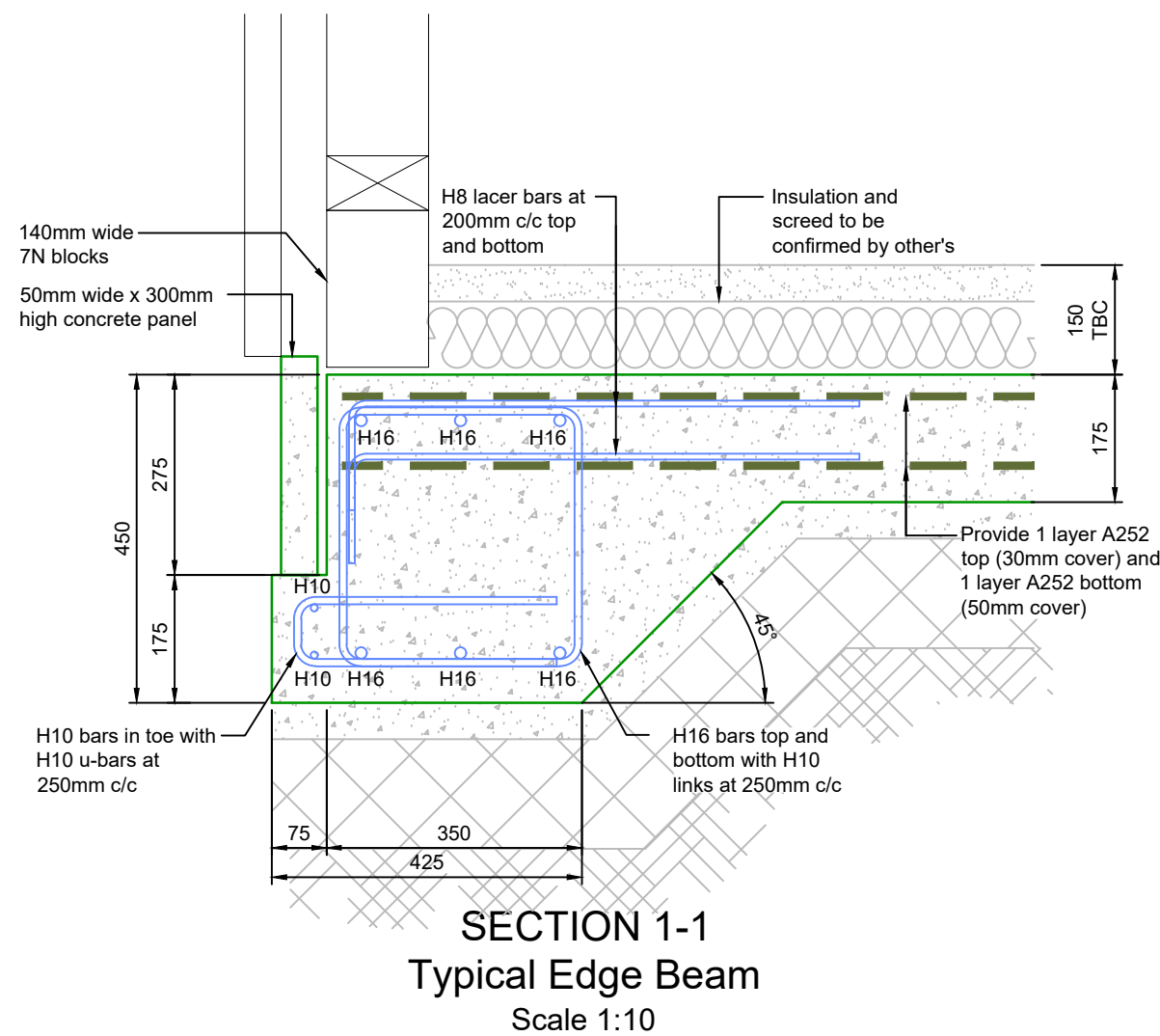
Stone Requirements
Provide 150 thk layer of well compacted MOT Type 1 material, laid on a 150thk min 6F2 stone. depth of stone to be taken down 100mm in to the natural undisturbed clay/mudstone material. See ground investigation Ref IV 12.25, March 2025.

If differences in bearing capacity (eg from localised changes in strata) Consult the engineer. If soft spots are found excavations should be deepened locally to a sound bottom. Hard spots spots should be removed. Should visible roots be identified, especially in clay soils consult the engineer and modify the design depth

Concrete Specification
The concrete shall be produced in accordance with BS8500-2.
Compressive strength class: C30/37
Maximum water/cement ratio: 0.70
Minimum cement/combination content: 240 kg/m3
Maximum aggregate size: 20 mm
Sulphate Class: DS-1
Consistence class: S3

- REINFORCED CONCRETE NOTES**
- The base specification for concrete shall be BS8110 'Structural Use of Concrete' and the National Structural Concrete Specification for Building Construction.
 - All reinforcement to BS8666 U.N.O.
 - Minimum cover to reinforcement to be 30mm to top and 50mm to bottom.
 - Location of daywork joints and details to be agreed with the Engineer prior to commencement of the works site.
 - Abbreviations:
H High Yield Type 2 Deformed Bar
B Bottom
T Top
NF Near Face
FF Far Face
EF Each Face
ABR Alternate Bars Reversed
ABS Alternate Bars Slaggered
 - All concrete mix certificates and the cube testing programme shall be approved by the Engineer prior to commencement of the works on site.
 - 50mm concrete blinding to be incorporated below all concrete elements to provide a suitable platform for fixing reinforcement.

PROPOSED FOUNDATION ARRANGEMENT
Scale :50



Rev	By	Date	Details	Chkd
Drawing Status				
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Client INCO Construction				
Project New Specialist Primary School Shirebrook				
Title Proposed Foundation Arrangement and Details				
Scale (A1) 1:50 1:10		Drawn by J Harrison		Drg. No. 2025-10734-01
Date. April 2025		Checked by S Ancliff		