

Notes

1. This drawing is to be read in conjunction with all the relevant contract documentation.
2. All dimensions are in mm unless otherwise stated. Dimensions to be checked on site prior to construction and any discrepancies reported to the Rolton Group Engineer.
3. Only drawings that indicate CONSTRUCTION as the issue purpose should be used for construction.
4. Any CONSTRUCTION status issue does not provide or imply approval or validation of any third party information.
5. Revision clouds are shown for assistance only, the whole drawing is to be checked for new amended information.
6. Not all hatches and linetypes shown on legends and keys may be present on this drawing. Drawings to be printed in colour by default, typical material colours are for clarity only.
7. It is assumed all areas are adequately scanned prior to excavation to check for existing below ground services.
8. Materials:

Mass Concrete Designated Concrete Mix: FND2
Concrete Conditions: DS-2, AC-1s
Concrete (Blinding) C10
Masonry above DPC refer to drawing Masonry Layout Drawings
Masonry below DPC should comply with BS 6073 and NHBC guidelines section 5.1.13 (b).
Gas protection - No Radon or Land Fill Gas precautions required
Mortar Designation M6(ii) (frost resistant) below DPC, UNO

9.Foundation Design

Foundation designs based on Listers Geo Report "Ground Investigation, Langcliffe Drive, Heelands, Milton Keynes. Report No. 20.11.005 dated Dec 2020.

Foundation design is based upon an allowable bearing pressure of **150kN/m²** unless noted otherwise and an area of **medium** shrinkage soils.

Foundations need to be taken A minimum of 500mm below any existing fibrous roots.

Foundations to be placed at levels indicated on foundation general arrangement drawings and to be a minimum 900mm below original ground level, 900mm below proposed ground level and at least 300mm into firm natural strata, whichever is the deeper.

Minimum foundation width, U.N.O on foundation general arrangement drawings are to be a minimum:

- 600mm - External foundations
- 600mm - External foundations with "Claymaster"
- 450mm - Internal walls
- 1000mm - Party Wall

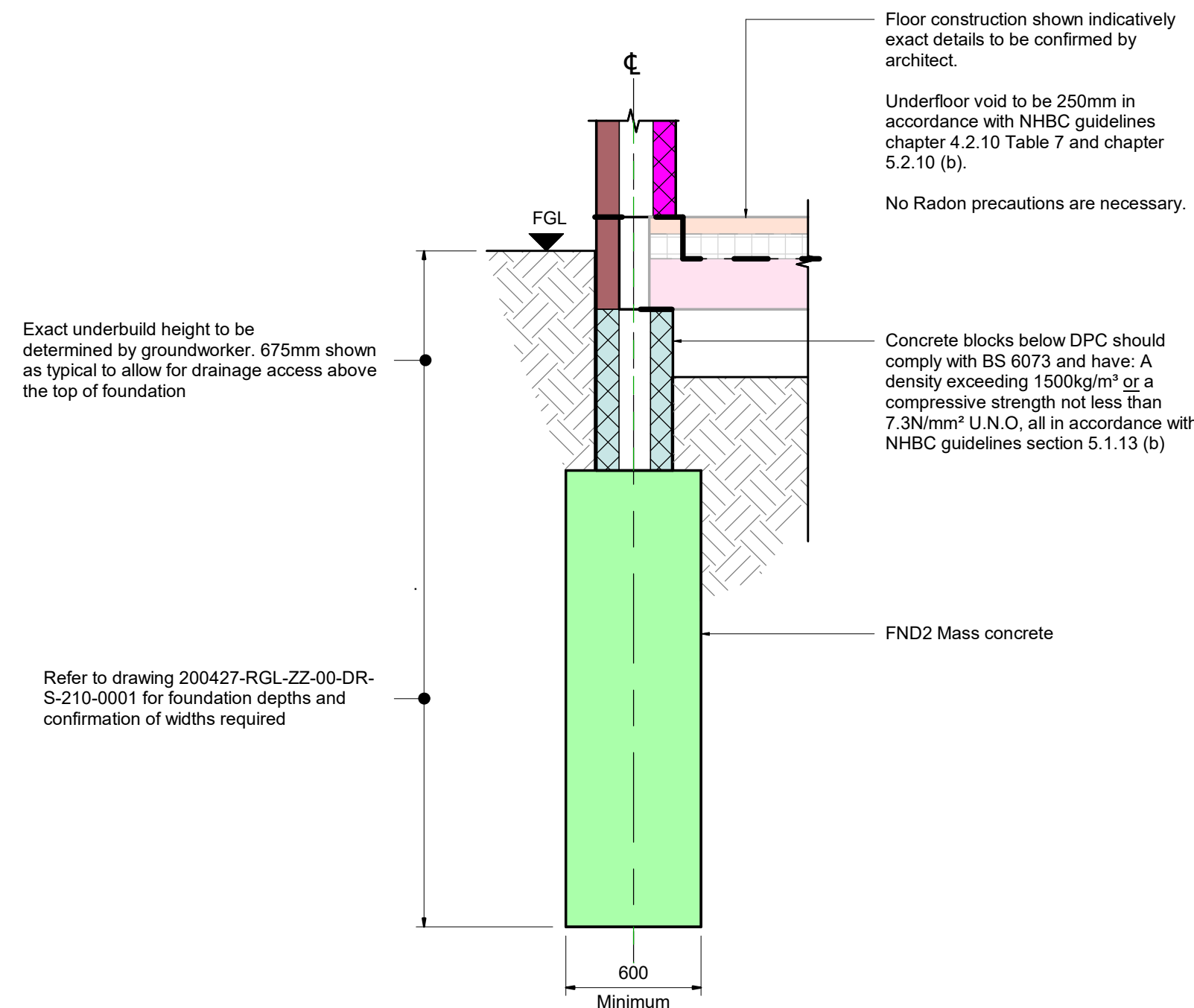
10.All concrete to be placed in accordance with the recommendations of BS EN 1992 (latest version).

11.Excavations to be inspected and approved by engineer or Building Control Inspector prior to pouring of concrete. Sequence of concrete pour to be agreed with the engineer.

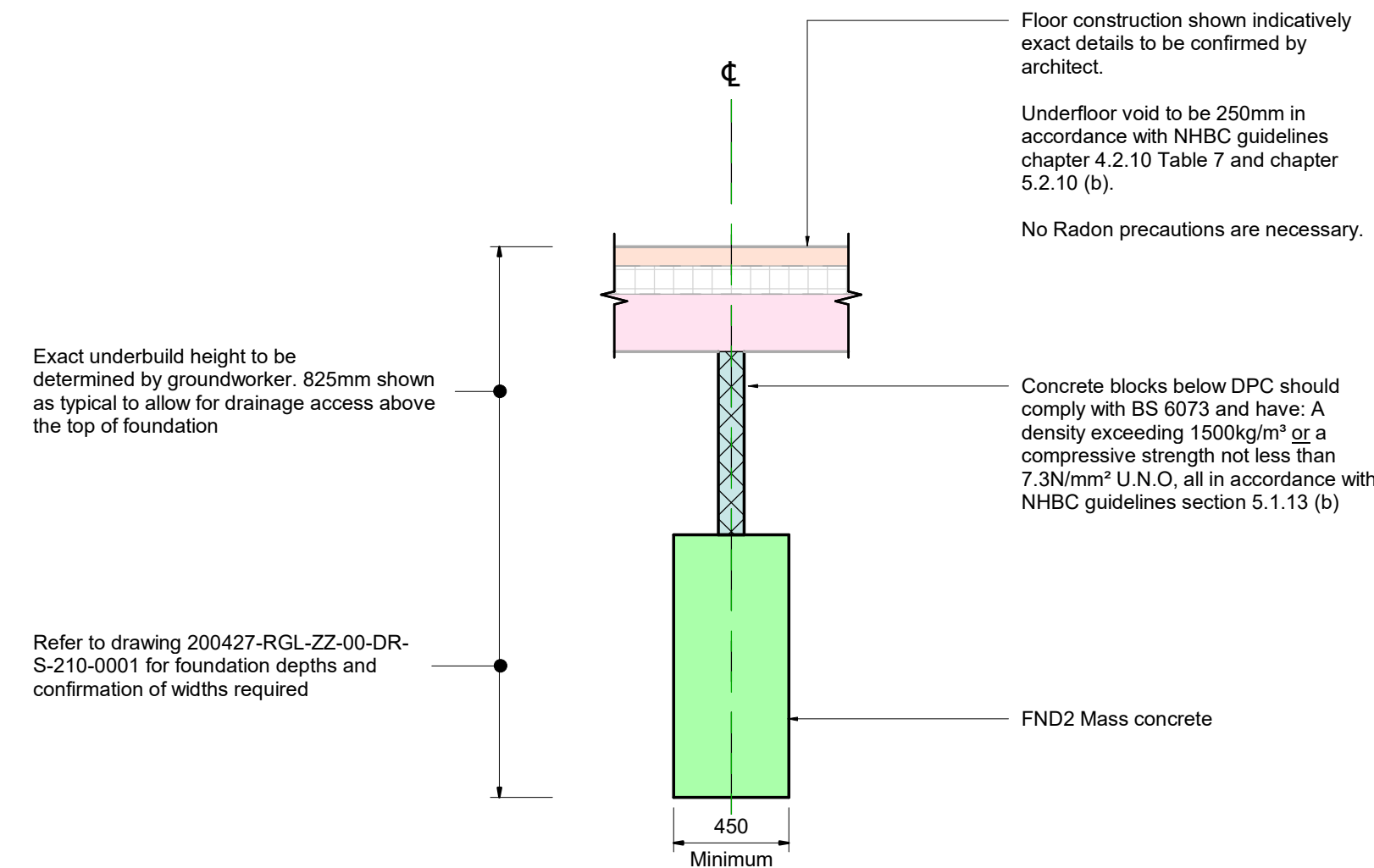
12.All concrete to be protected from excessive water, drying or frost by a suitable covering (sacks, etc).

13.The concrete shall be compacted by means of a mechanical vibrator and the workability shall be such that a dense concrete free from voids will be produced.

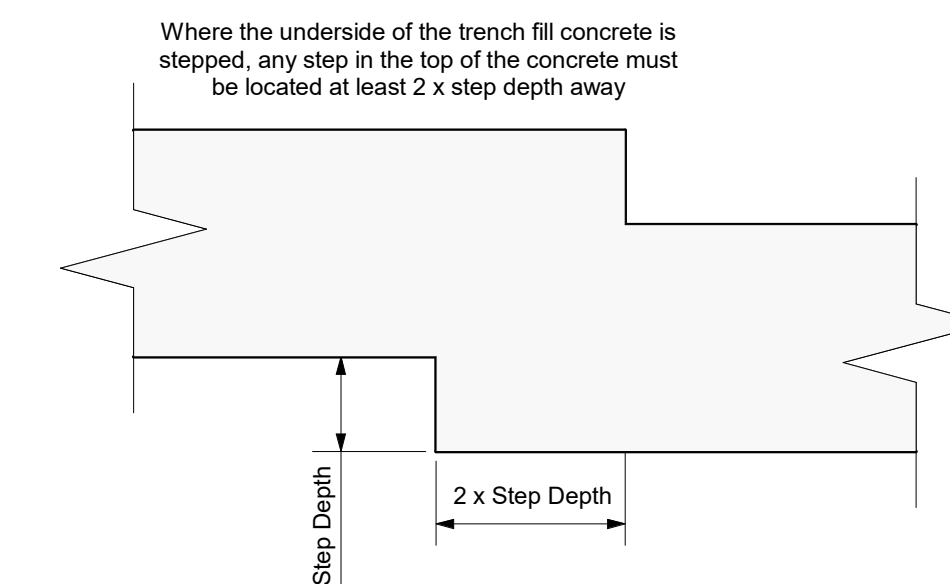
14.The excavations and surrounding site shall be kept free from water. Drainage trenches to be backfilled with suitable material within or in proximity to the building. The contractor is responsible and liable for ensuring the stability of the works, services and adjacent structures at all stages of construction. The design of all temporary works shall be the contractors responsibility.



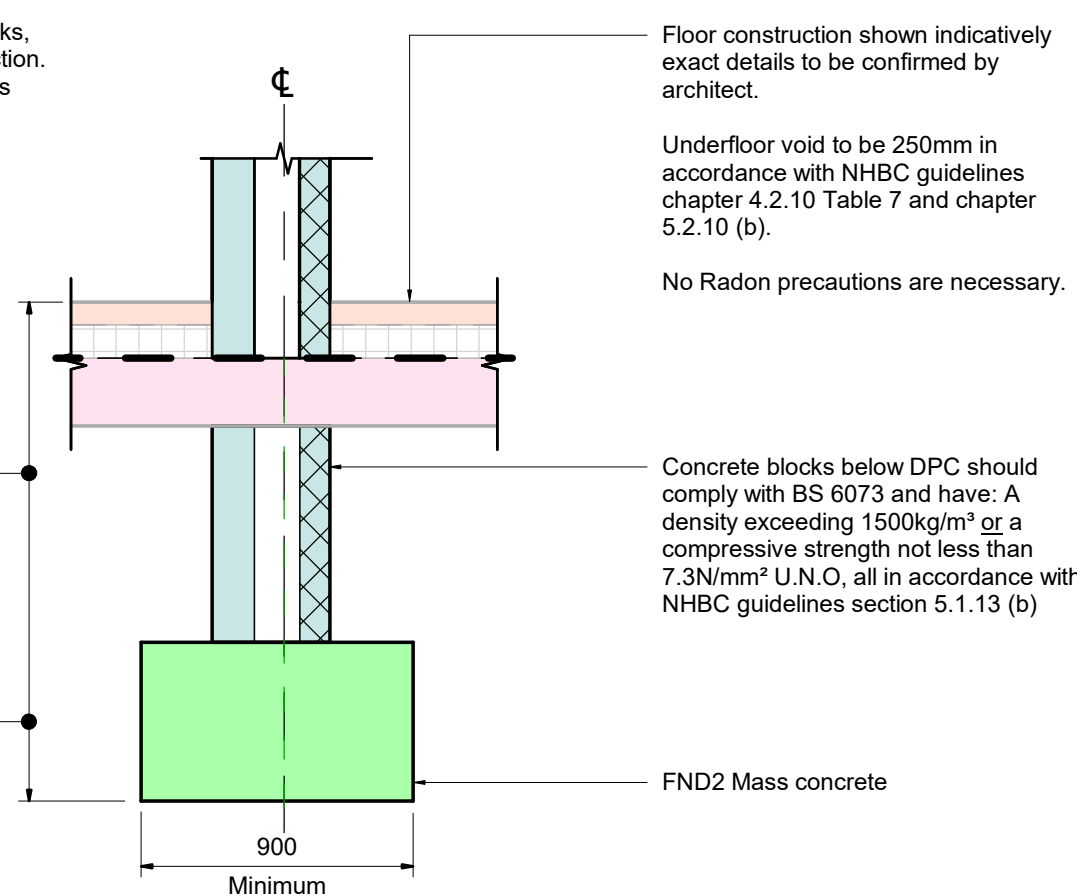
Typical External Wall Foundation Detail
1 : 25



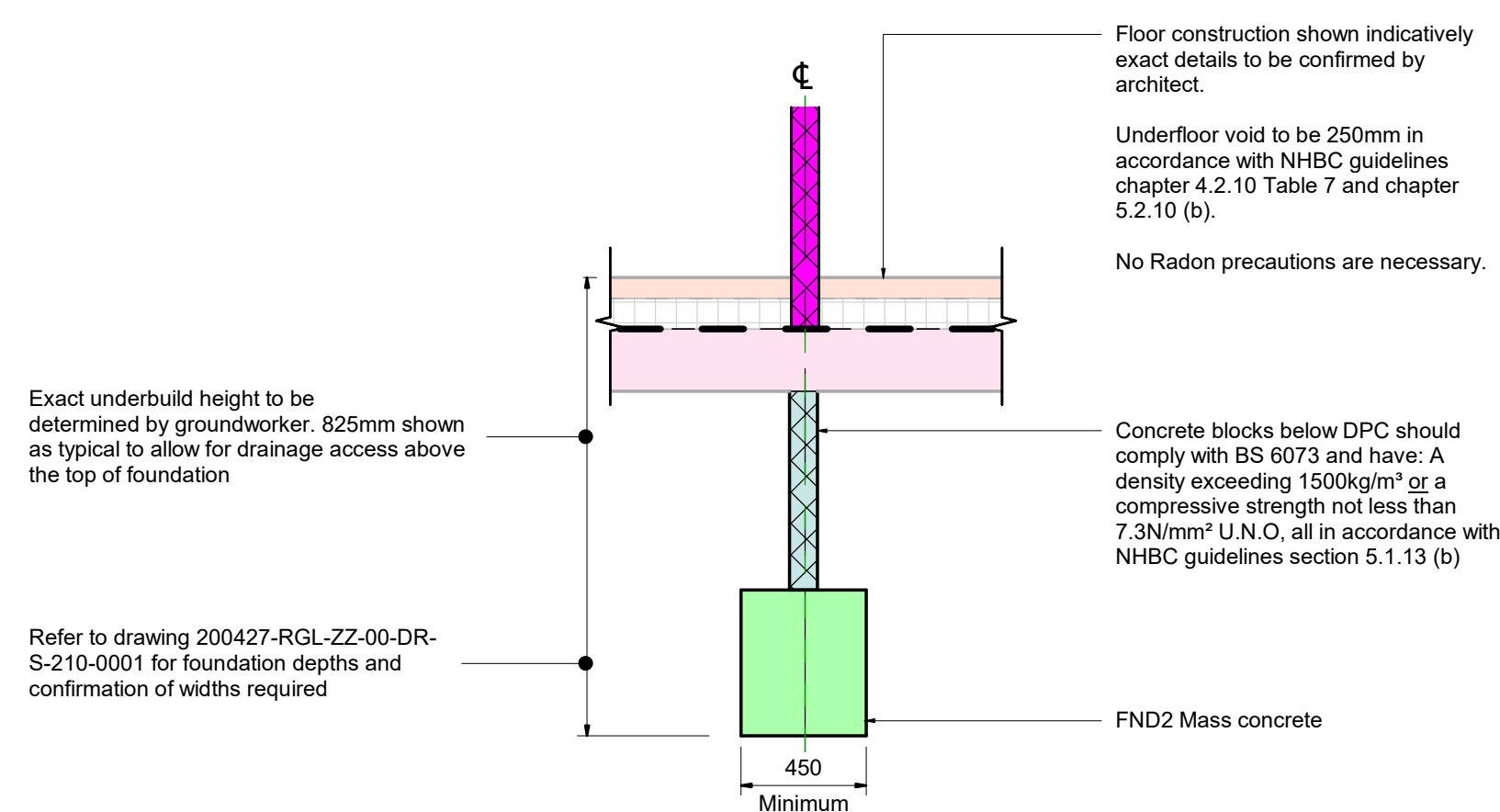
Typical Sleeper Wall Foundation Detail
1 : 25



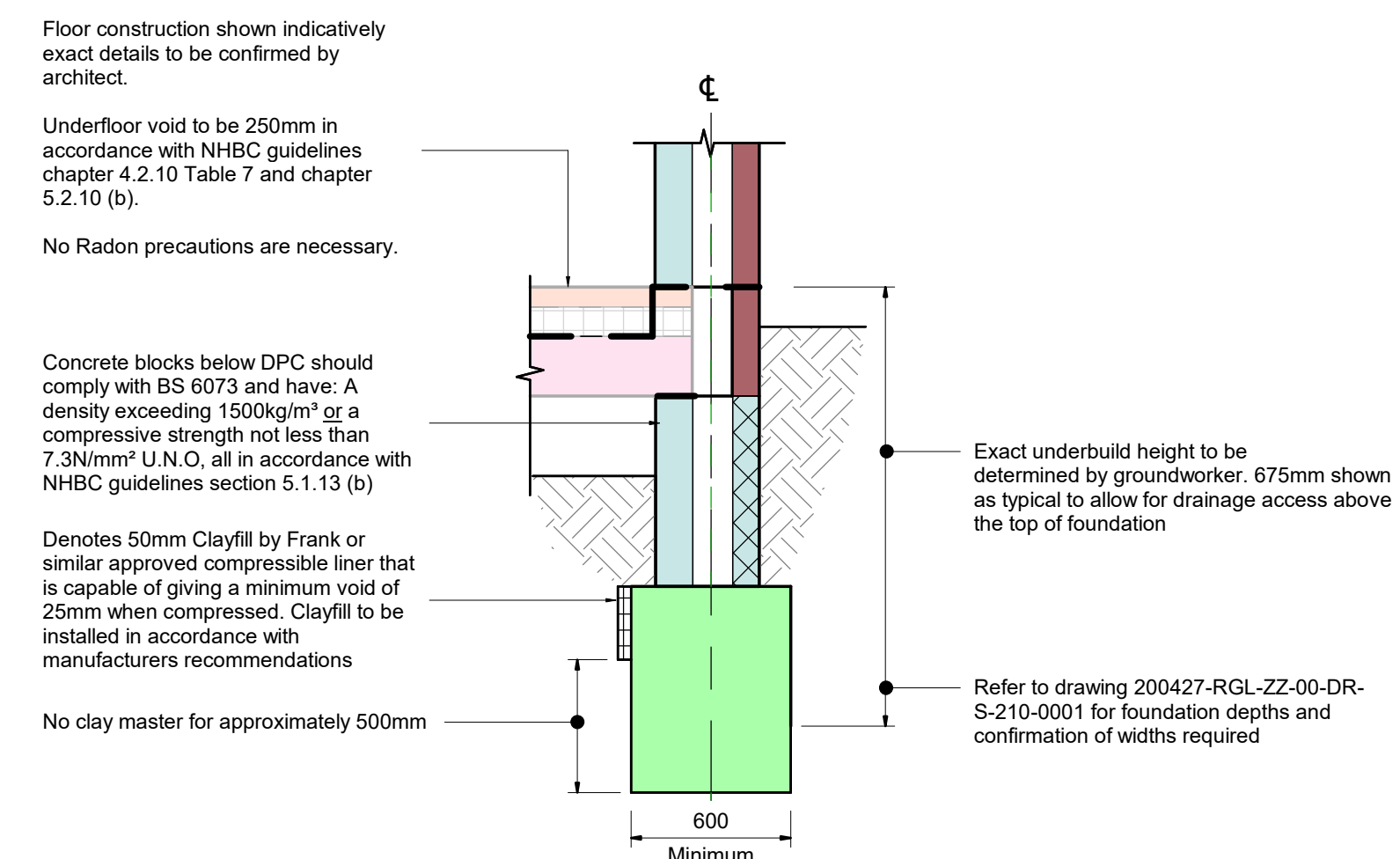
Typical Foundation Step Detail



Typical Party Wall Foundation Detail
1 : 25



Typical Internal Wall Foundation Detail
1 : 25



Typical External Wall Foundation Detail with Anti-Heave
1 : 25

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Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Risks that may not be immediately apparent are listed below.

East Anglia Water deep drainage run

Status	Date	Description	Dwn	Eng	Chk	Ver
D2-P01	19.03.21	Issued for tender	JSM	GUS	AJB	AJB
D2-P02	15.08.22	Drawing updated to reflect latest Architect model	AJ	GUS	AJB	AJB



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Project:
**Heelands Community Centre,
Milton Keynes - up to RIBA Stage 3**

Drawing title:
Foundation - Details

RGL Project Ref: 20-0427	Scale@A1 1 : 25	Scale@A3 1:50
Specification(s): N/A		

Drawing Number: 200427-RGL-ZZ-DR-S-240-0001	Status: D2-P02
Project-Originator-Zone-Level-Type-Role-Classification-Number	Substability-Revision
Issue Purpose: TENDER	