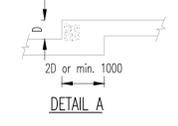


N O T E S

ATTENTION IS DRAWN TO THE REQUIREMENTS OF THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015 AND THE DUTIES AND RESPONSIBILITIES CONTAINED THEREIN

- This drawing is to be read in conjunction with the specification and all relevant engineers and architects drawings.
- All dimensions are given in millimeters.
- All levels are given in metres.
- All concrete is to be in accordance with BS8500-1:2006.
- Concrete for mass concrete foundations is to be grade GEN1. Concrete for reinforced concrete foundations to be RC28/35.
- Contractor to be responsible for design, erection and support of any formwork required.
- Foundations are to be concrete trench fill/strip footings to be founded on the natural underlying clays or bedrock which is to have a minimum ground bearing pressure of 100kN/m². The clay has been classified as having medium shrinkage in accordance with NHEC standards Chapter 4.2. Foundations shall be stepped to suit changes in formation level as shown in detail A.



- All blockwork below DPC level is to be 7.3N/mm² minimum compressive strength or have a minimum density of 1500kg/m³ on a designation (m) mortar.
- Heave protection is required where indicated thus: - - - - -
- Site investigation is taken from the ARP Geotechnical Ltd Combined Stage 1/Phase 2 Geo-Environmental Report No ORH/2011 dated August 2023.
- No radon protection or other gas protection measures are required and so will be classified as CS1/Green.
- Founding levels are given for guidance only and are conjectured from limited trial hole information. If there is any doubt as to the required depth of founding strata then advice must be sought from ARP Associates.

The whole plan area of the foundation should be placed on similar material. If bedrock is encountered on part of a foundation excavation, the rest of the plot should be deepened to ensure founding on similar material. The foundation should also be taken below the depth of any existing foundations or obstructions, onto natural ground.

Where a foundation penetrates the coal seam there should be a 250mm thickness of concrete on the outer face of the foundation which will act as a sacrificial barrier in the unlikely event of a fire in the seam approaching the property from outside. The risk of combustion from inside is considered very remote, so there is no requirement for additional concrete on the inside of the footprint. If the foundation steps back up above the coal elsewhere on the plot, there is no requirement for these measures.

A	DPB	17.09.25	Updated to suit Orion Homes comments.	DPB	DPB
/	DPB	30.07.24	Issued for Approval	DPB	DPB
Rev	By	Date	Revision	Chk	Appd

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ARP Associates is a trading division of ARP Geotechnical Ltd, a company registered in England and Wales with company number 3771811, whose registered office is at 5/6 Northwest Business Park, Senia Hill, Leeds LS6 2QH

TITLE
TYPICAL FOUNDATION DETAILS

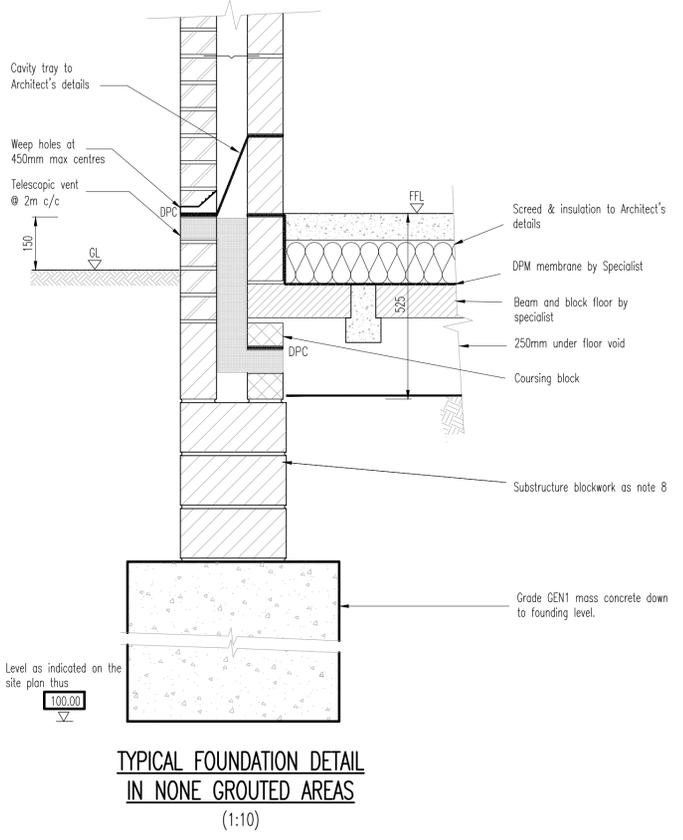
PROJECT
WHITEHALL ROAD WEST BIRKENSRAW

CLIENT
ORION HOMES LTD

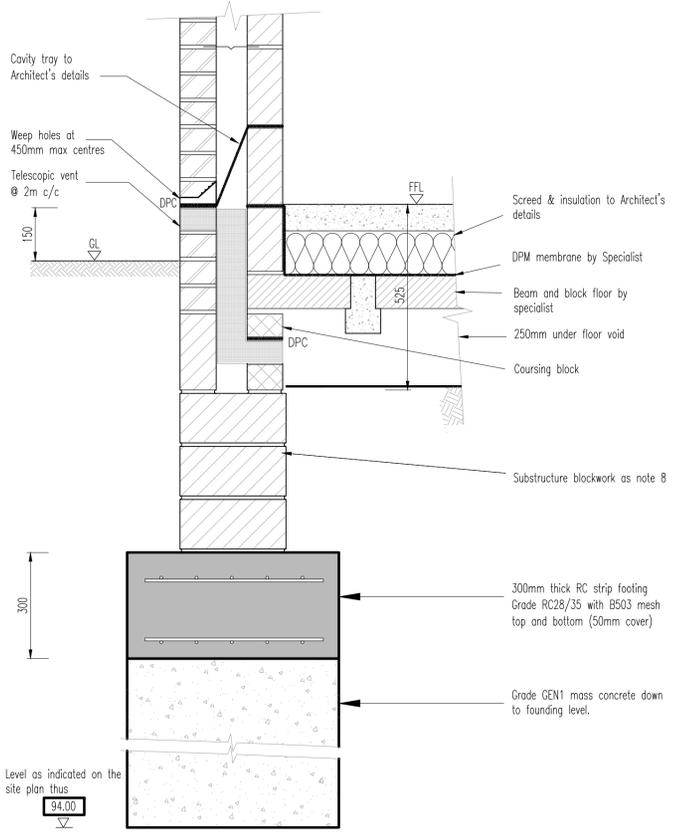
DRAWING STATUS
PRELIMINARY

Scale	Date	Drawn	DPB
N/A	AUG 24	Chk	DPB

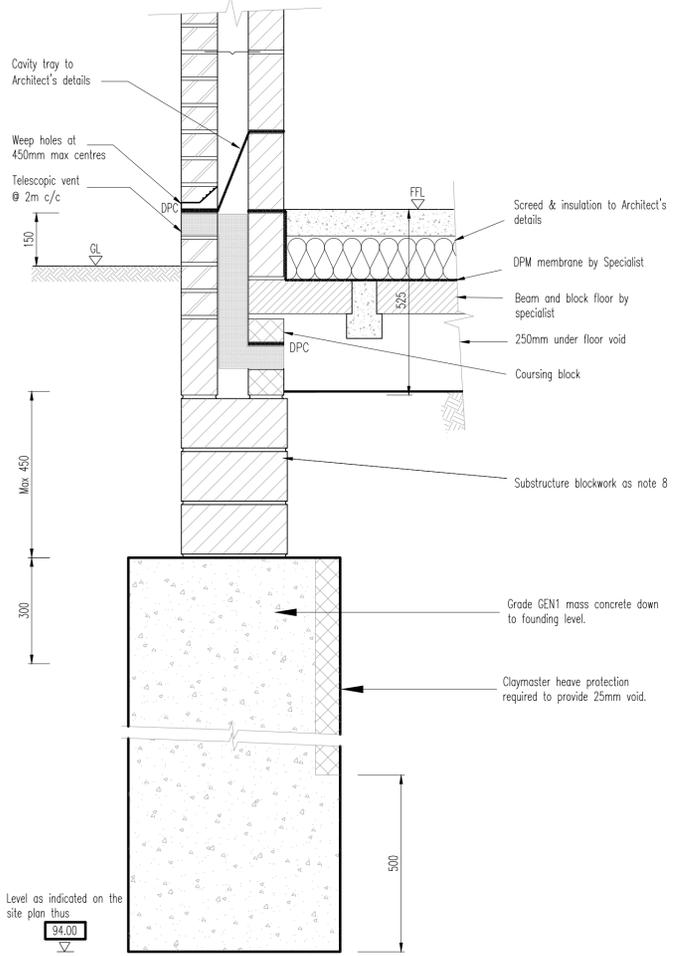
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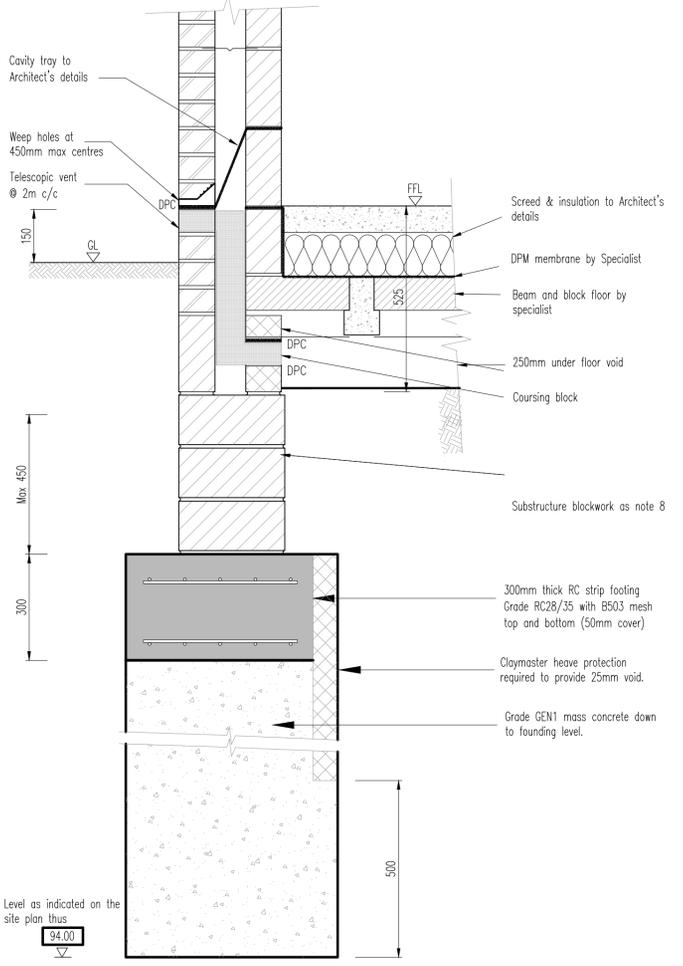
TYPICAL FOUNDATION DETAIL IN NONE GROUTED AREAS
(1:10)



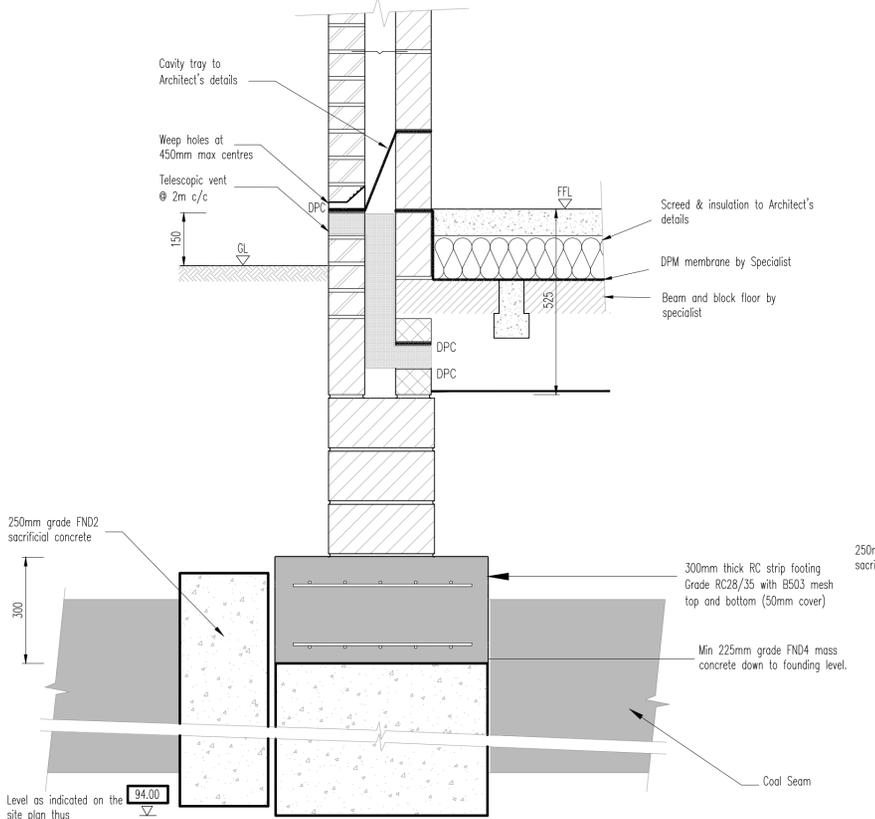
TYPICAL FOUNDATION DETAIL IN FAULT AREA
(1:10)



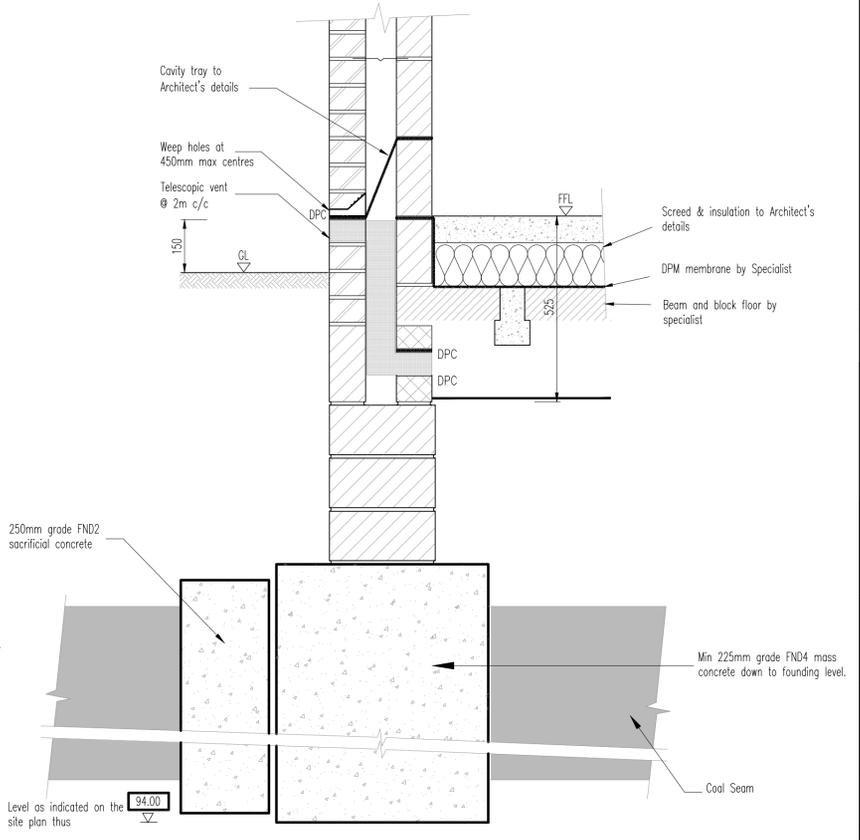
TYPICAL FOUNDATION DETAIL IN GROUTED AREAS INCORPORATING HEAVE PROTECTION
(1:10)



TYPICAL FOUNDATION DETAIL IN FAULT AREA INCORPORATING HEAVE PROTECTION
(1:10)



TYPICAL FOUNDATION DETAIL WHERE PASSING THROUGH A COAL SEAM IN GROUTED AREAS
(1:10)



TYPICAL FOUNDATION DETAIL WHERE PASSING THROUGH A COAL SEAM
(1:10)