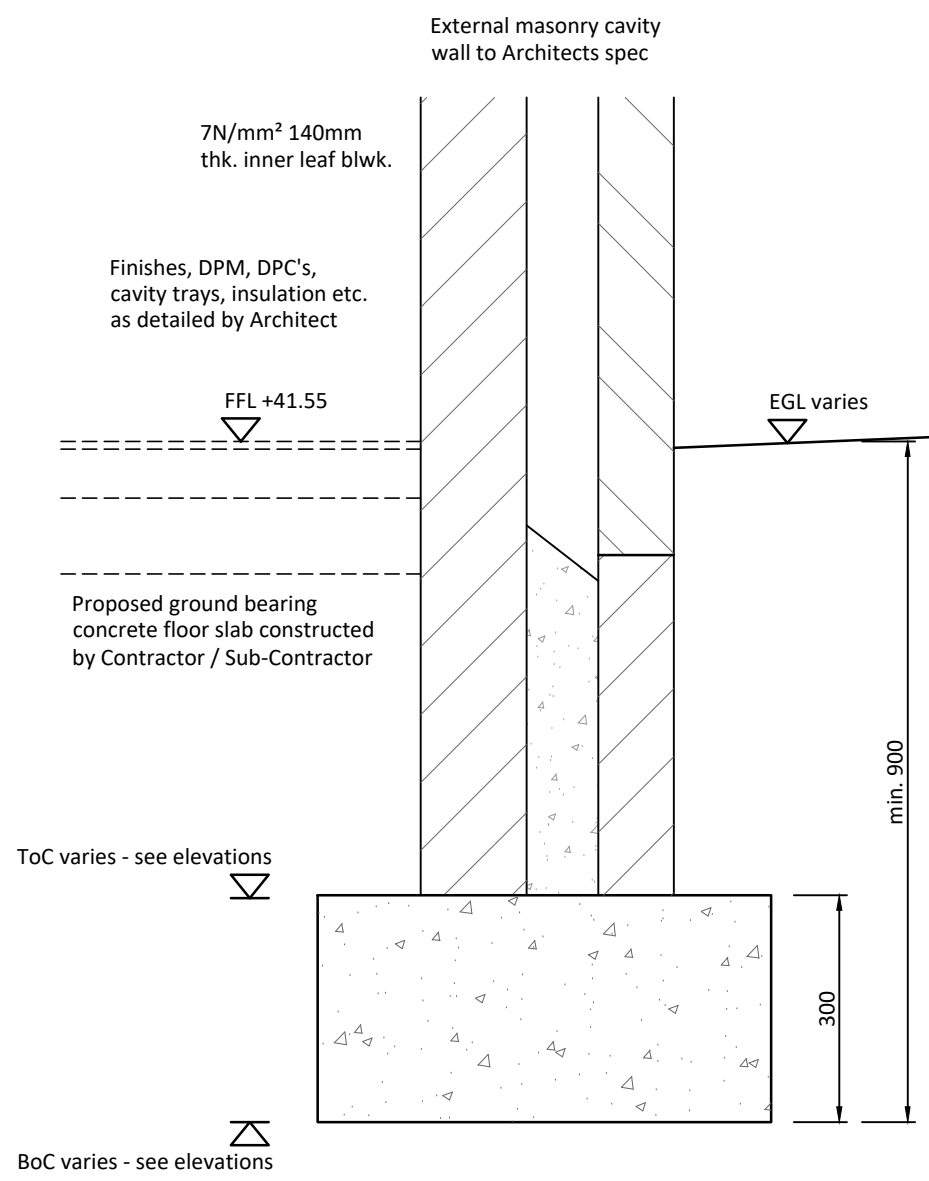
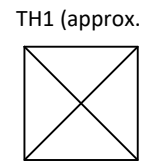
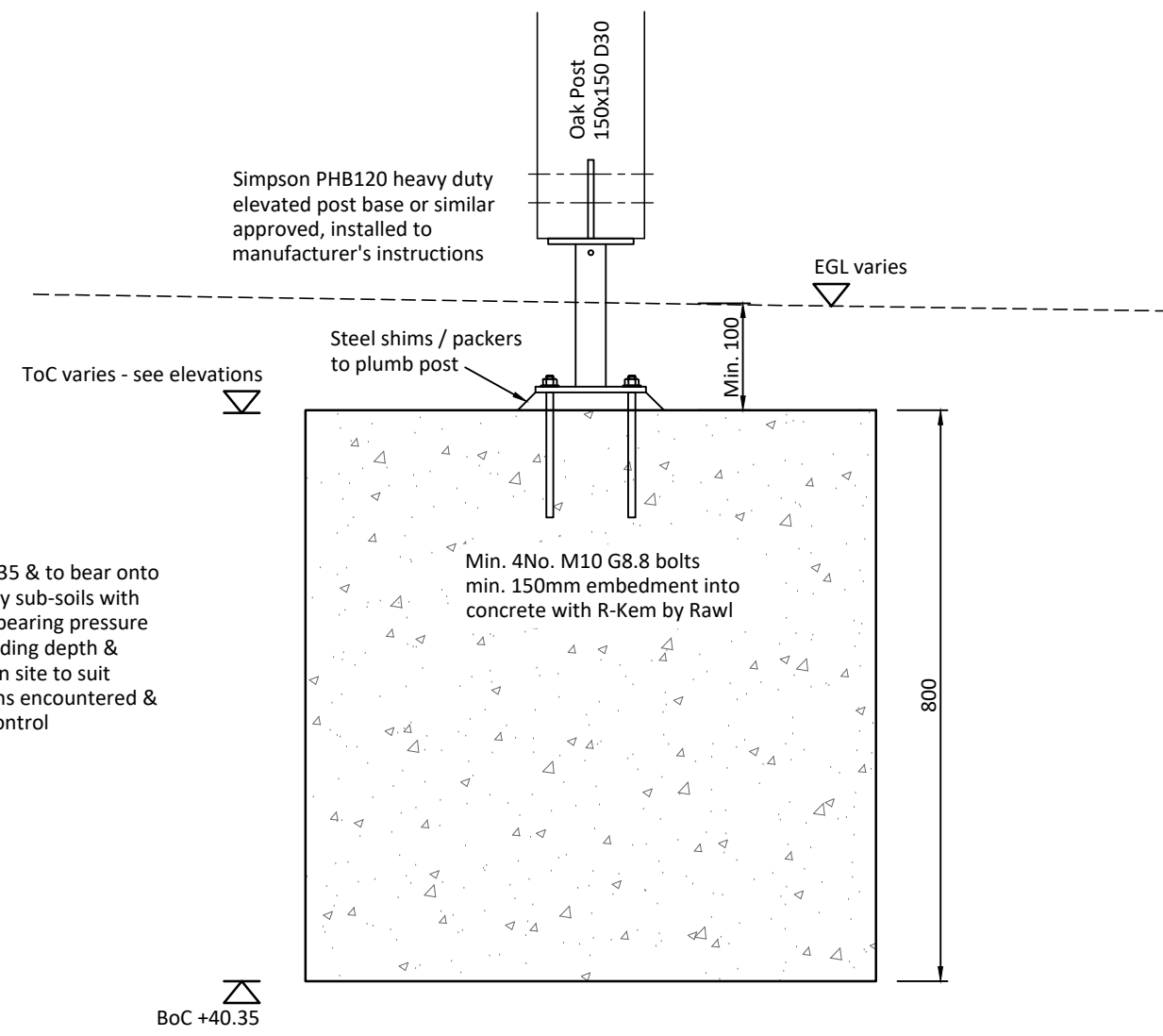


Foundation Plan

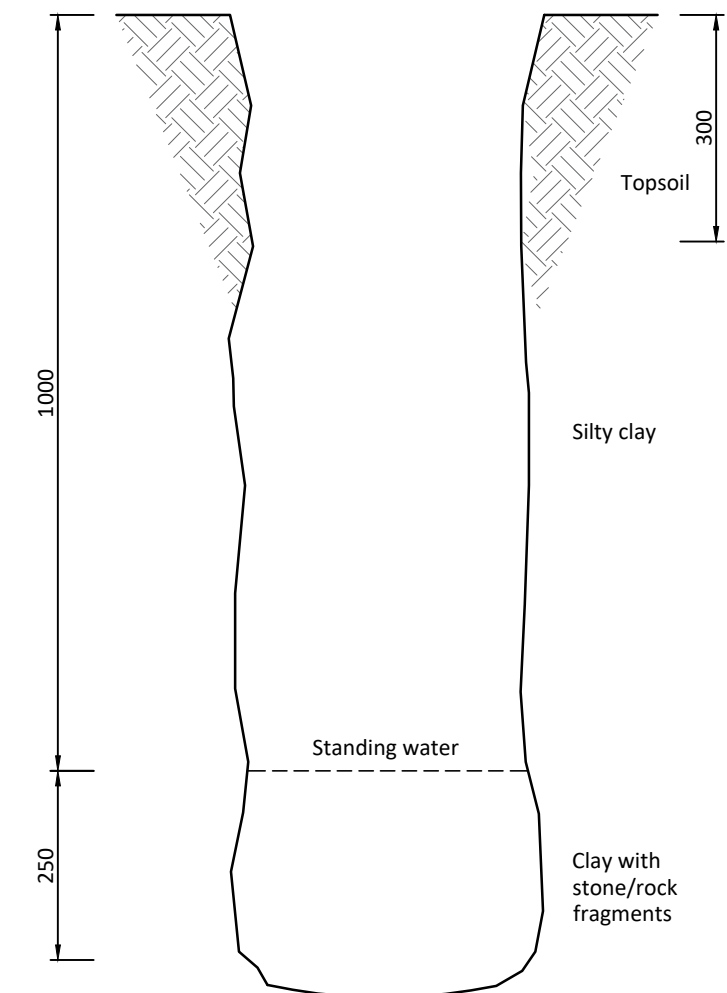
All foundations to be C35 & to bear onto natural undisturbed clay sub-soils with an assumed allowable bearing pressure of 75kN/m² - final founding depth & bearing pressure TBC on site to suit actual ground conditions encountered & agreed with Building Control



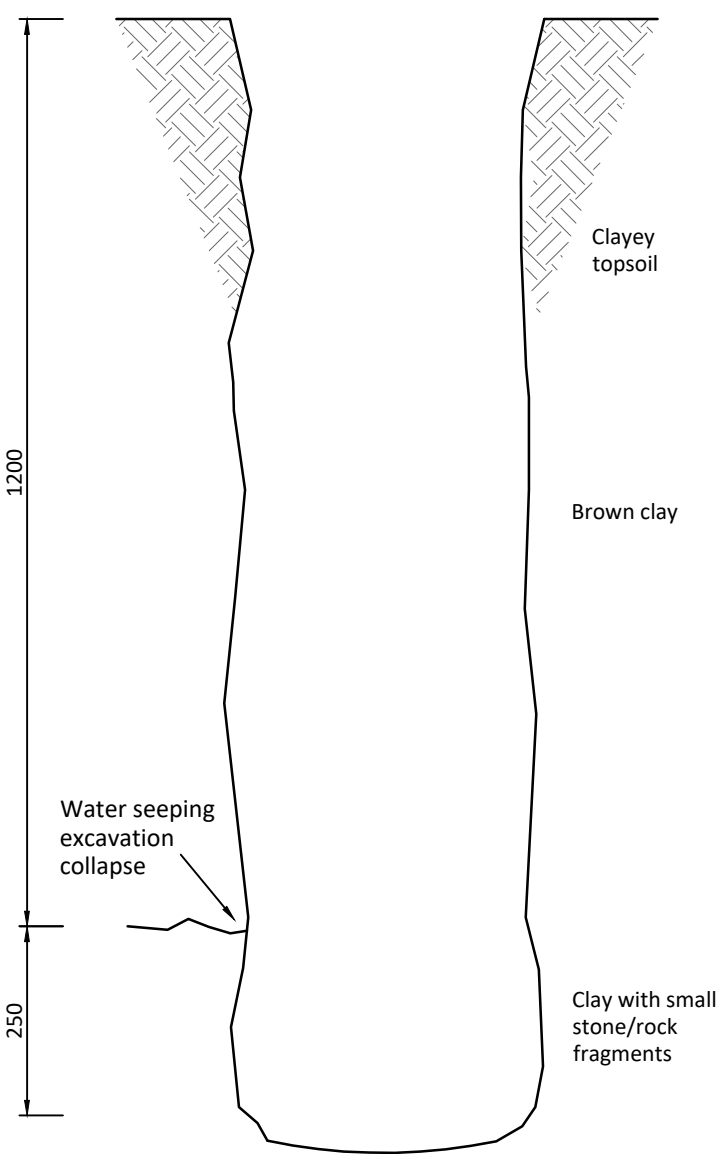
Typical Foundation Section



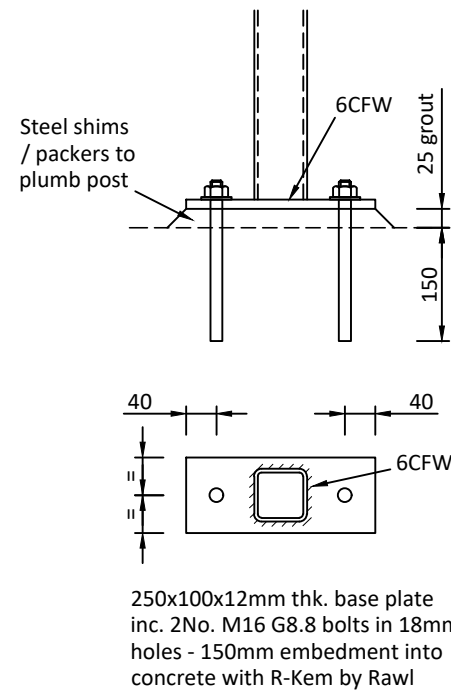
Timber Post Typical Foundation Section



Trial Hole 1 (TH1)



Trial Hole 2 (TH2)



Typical Wind Post Base Plate Detail

General Notes

1. Do not scale from this drawing
2. All dimensions quoted are in millimetres unless noted otherwise
3. All levels quoted are in metres above datum level
4. All setting out and levels by Architect and to be finalised at site stage by Contractor
5. This drawing must be read in conjunction with all other specialists' drawings and specifications
6. The location of all services shall be identified prior to excavation or construction works and all appropriate measures taken to avoid damage to the same
7. The contractor is to comply with all relevant health and safety legislation to safeguard the work force, the general public, and all other parties

Temporary Works

1. The main contractor shall be responsible for all temporary works. A specialist subcontractor shall be appointed to design and install temporary works to adequately support all applied loads
2. The main contractor shall be responsible for all temporary weathering. Suitable protective sheeting shall be employed to prevent the ingress of rainwater or moisture.

Steelwork

1. All steelwork shall be grade S355JR unless noted otherwise fabricated, and erected in accordance with BS5950:2000. All hollow steelwork shall be grade S355J0H Hot Finished Steel unless noted otherwise
2. All bolts shall be grade 8.8 minimum unless noted otherwise. Black bolts shall be used in internal work
3. Internal steelwork within heated buildings shall be grit blasted to surface prep SA2.5 to remove all rust and millscale etc. and shall be painted using minimum 2 coats of zinc phosphate primer to total dry film thickness (DFT) of 85 microns. Any scuffs or surface damage occurring on site shall be made good. Where steelwork is built into cavity or solid walls it shall also be painted on site with 2 coats of black bitumen paint
4. All connections shall be designed and detailed by the steelwork fabricator using the loading information contained in the project calculations
5. All fire protection is to be as specified by Architect or agreed with Building Control

Concrete Works

1. Concrete mixes shall be specifically designed by the supplier to achieve the performance criteria noted on the project drawings
2. The supplier shall operate a quality assurance system to ensure the strength and durability of concrete supplied achieves the requisite design performance criteria. Concrete cube samples shall be taken at regular intervals during manufacture to ensure quality is achieved. Cubes shall be tested at 7 and 28 days and results made available for inspection when required
3. All concrete shall be placed and compacted in accordance with BS8110 and all good practice publications. All concrete shall be suitably protected from the effects of the weather and temperature
4. All surface levels and dimensions shall be carefully controlled by the main contractor to ensure the finished concrete is installed in accordance with the drawings, without adversely affecting the performance of the structure and to ensure dimensional compatibility with building frames etc
5. Concrete mixes for this project to achieve the following performance criteria :-

Foundations - Crushing strength = min 35N/mm² at 28 days, max agg size = 20mm and minimum OPC cement content of 275kg/m³.

Masonry

1. All masonry to be constructed by experienced personnel in accordance with BS5628 and all good practice guidance
2. All external brickwork is to be frost resistant and shall be as noted specifically on the drawings. It shall be constructed in class iii mortar and suitably protected from the effects of the weather until it has fully cured
3. Masonry shall not be constructed when temperatures are below 4°C
4. All blockwork to be used shall be minimum 7.3N/mm² strength and shall be laid in class iii mortar. Inner leaf & partitions as noted to be 140mm thk
5. All blockwork to be used in internal work including the internal leaf of cavity walls shall be fully protected from the weather at all times. The strength of the masonry units shall be as noted on the drawings
6. All ancillary items such as wall ties, wall starters, lintels, cavity closers, DPC's etc shall be installed in strict compliance with manufacturer's instructions
7. Where masonry is to be reinforced, it shall be carefully set out to ensure the position of the rebar or mesh is achieved as noted on the drawings. Where cavities are to be infilled with concrete, suitable measures shall be employed so as to avoid bursting or rupture during placement of the concrete

Timber

1. All timber is to be sourced from an FSC accredited supplier and is to be stress graded as noted on the drawings
2. All structural timber shall be free from wane, knots, splitting etc and each timber shall have the alignment inspected
3. All timber to be preservative treated to ensure durability. All fresh cut ends shall be treated on site with 2 coats of brush applied preservative treatment
4. All fixings, nails, screws, bolts, coach screws, toothplate connectors, joist hangers, framing anchors, truss clips, brackets, plates etc shall be installed in accordance with manufacturers instructions

A	Revised to suit comments	15.03.21
Revision	Details	Date
<div><div>Steve Gilman Design Ltd</div><div>Lych Gate Barn, Church Lane Carlton Le Moorland, Lincoln, LN5 9HS Tel : 01522 788000 Email : mail@stevegilmansdesign.co.uk</div></div>		
Project	Proposed Sports Pavilion East Markham Playing Field Back Lane Markham	
Client	East Markham Parish Council	
Title	Foundation Plan & Details	
Drawn	MP	Checked AF
Date	February 2021	Scale 1:50 / 1:10
Number	7198/01 A	Status Tender