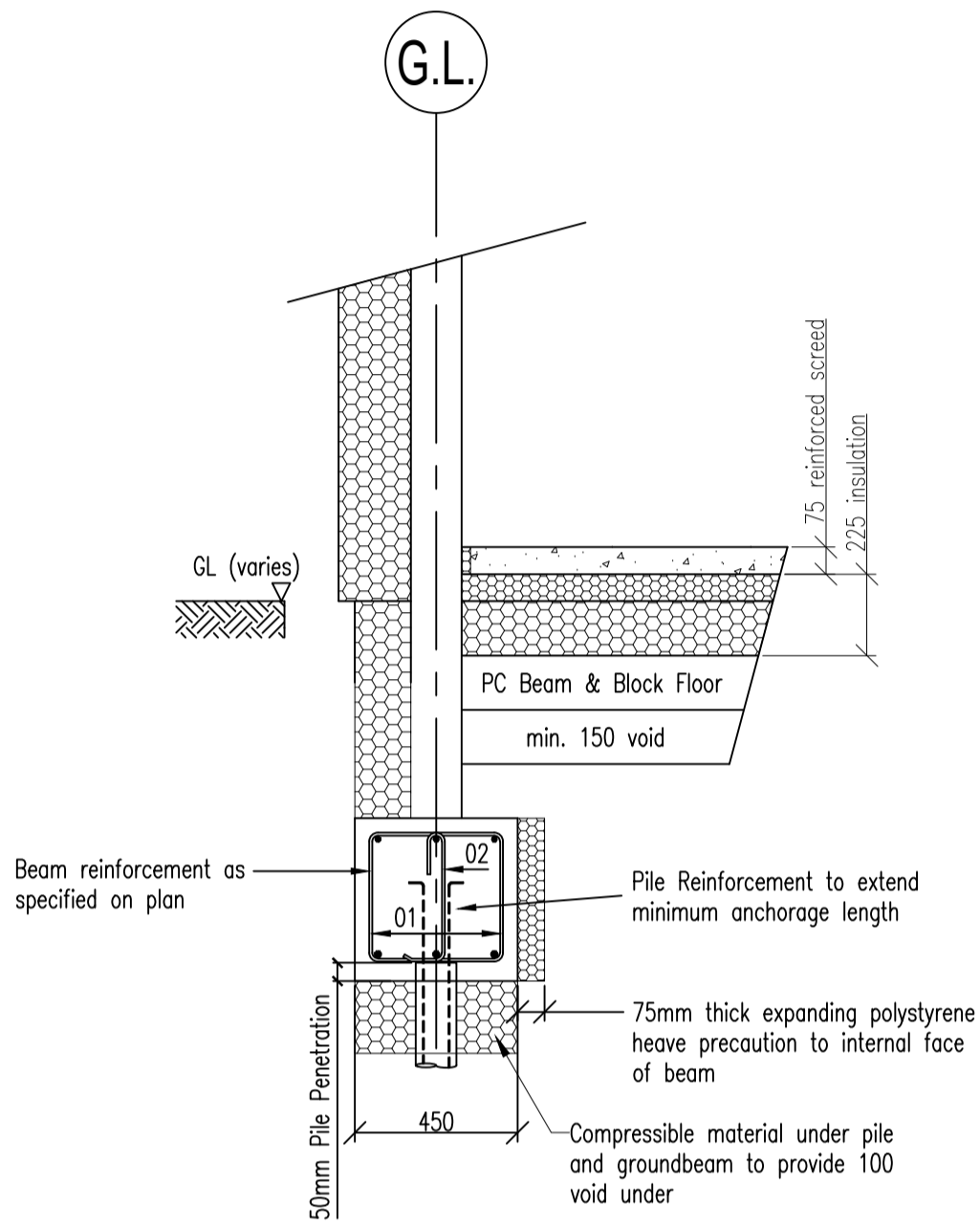


GROUND FLOOR PLAN SHOWING PILES & GROUND BEAMS

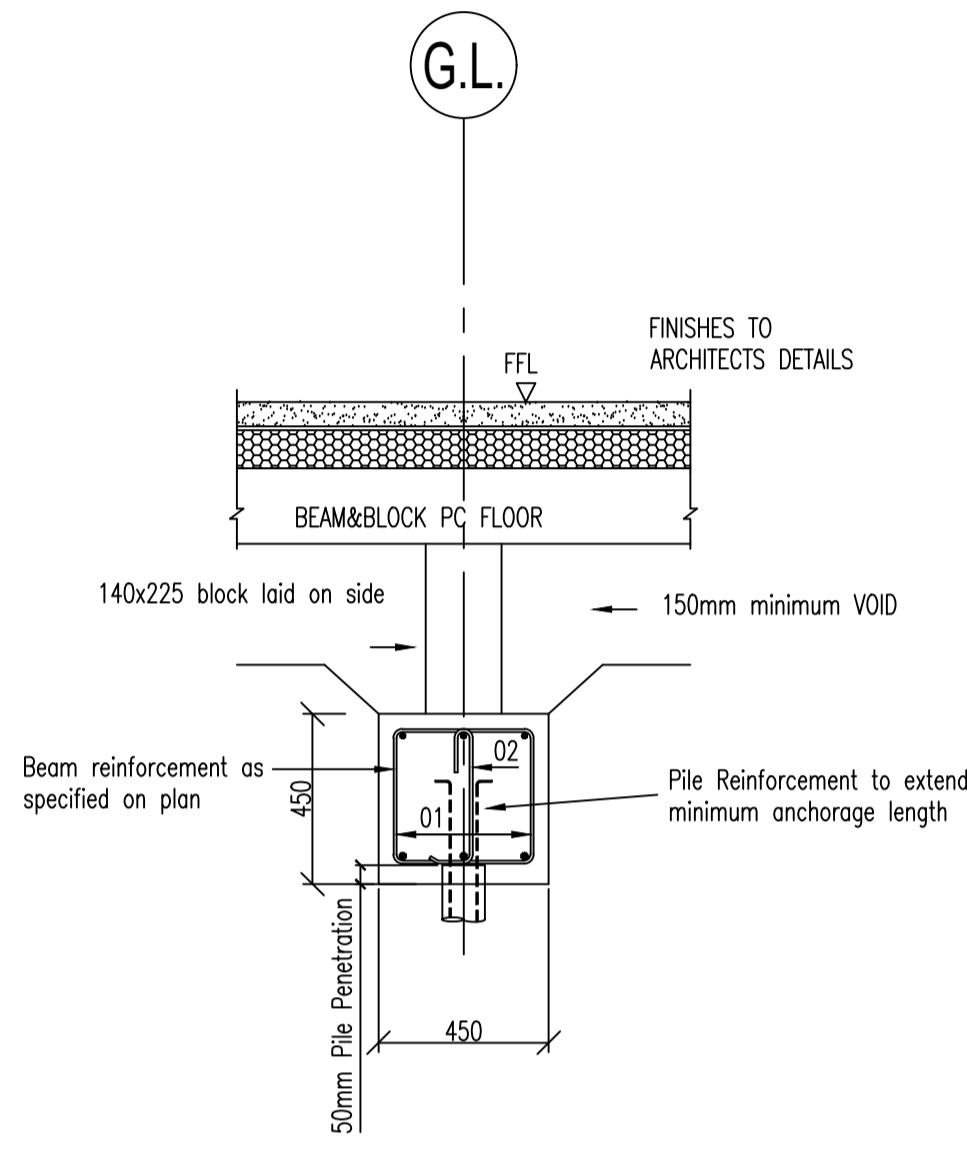
Scale: 1:50

Pile Loads	
Pile Ref.	Load kN.
P1	110
P2	165
P3	165
P4	165
P5	115
P6	130
P7	145
P8	150
P9	145
P10	130
P11	110
P12	165
P13	165
P14	165
P15	115



TYPICAL EXTERNAL GROUND BEAM SECTION

Scale: 1:20



TYPICAL INTERNAL GROUND BEAM SECTION

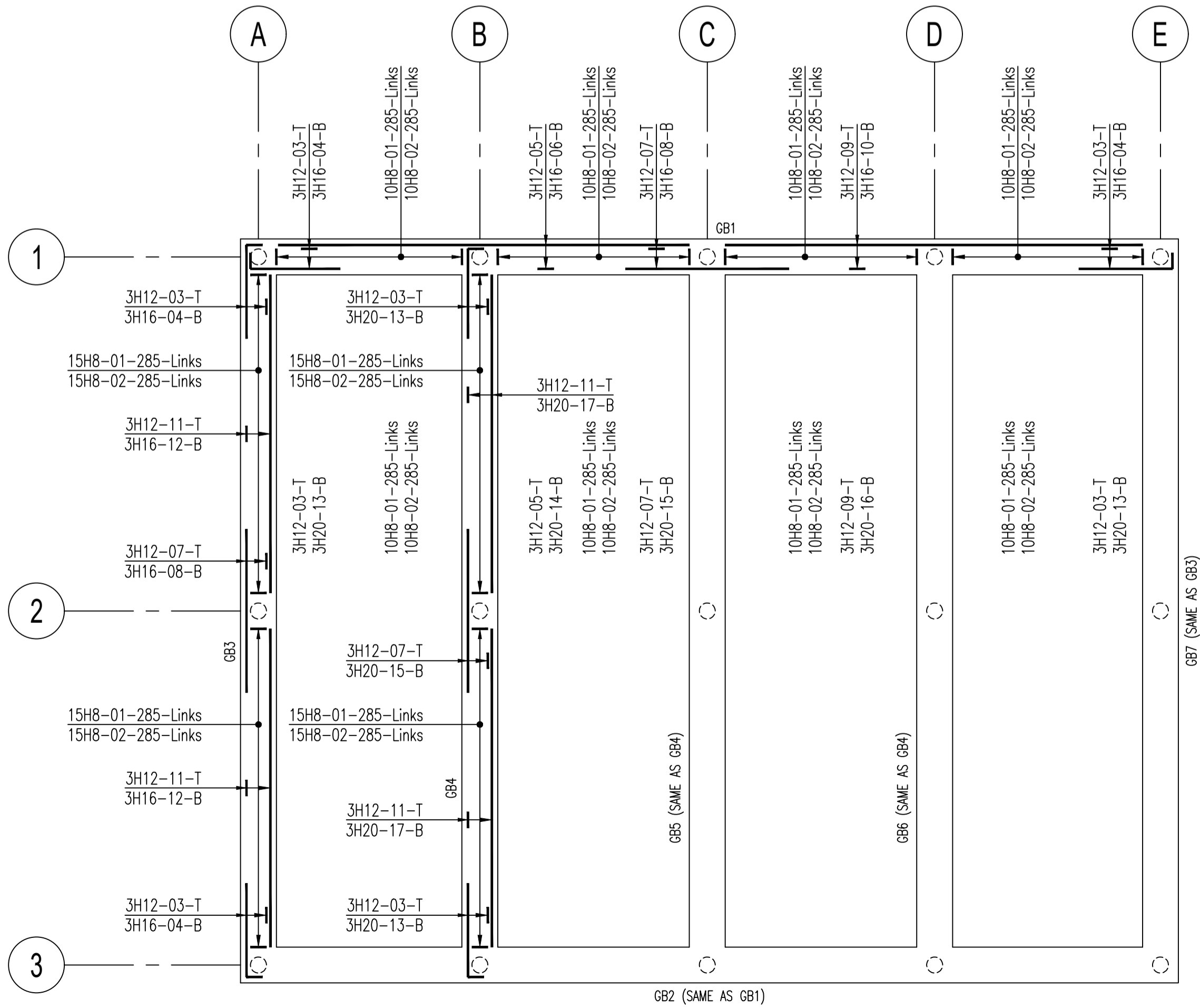
Scale: 1:20

SPECIFICATION NOTES

- DO NOT SCALE THIS DRAWING.
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING DIMENSIONS AND LEVELS ON SITE , IN CONJUNCTION WITH THE ARCHITECTS DRAWINGS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR FABRICATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING OUT THE PROJECT ON SITE.
- FOR DETAILS OF EXISTING AND PROPOSED SITE LEVELS SEE THE ARCHITECTS DRAWINGS.
- ALL FOUNDATION WORKS ARE TO BE IN ACCORDANCE WITH BS8004:1986 AND BS8000:PART 1:1989.
- ALL CONCRETE WORK IS TO BE IN ACCORDANCE WITH BS5328:1997 AND BS8000:PART 2:1990.
- SPECIFICATION FOR CONCRETE:  
TYPE RC35 DESIGNED  
MIX  
NOMINAL MAXIMUM AGGREGATE SIZE 20mm  
AGGREGATE TYPE BS882  
SULPHATE CLASS CLASS 1  
CEMENT TYPE PC TO BS12  
MINIMUM CEMENT CONTENT 300kg/m<sup>3</sup>  
MAXIMUM FREE WATER / CEMENT RATIO 0.60
- MINIMUM CONCRETE COVER TO REINFORCEMENT IS TO BE 40mm TOP & SIDES  
50mm BOTTOM  
UNLESS NOTED OTHERWISE. PROPRIETARY CONCRETE COVER BLOCKS AND STEEL CHAIRS ARE TO BE USED.
- HIGH YIELD REINFORCEMENT ( H ) IS TO BE GRADE 500 MATERIAL, DEFORMED TYPE 2 , IN ACCORDANCE WITH BS4449:1997.
- BUILDER TO CAST IN SERVICE DUCTS & SVPS AS ARE SHOWN ON ARCHITECTURAL DRAWING

NOTES

- THE PILES ARE A CONTRACTOR DESIGNED ITEM TO BE INSTALLED BY THE PILING CONTRACTOR TO COMPLY WITH THE FOLLOWING CRITERIA:
- THE PILES ARE TO BE CONTINUOUSLY REINFORCED FOR THE FULL LENGTH OF THE PILE. THE PILE REINFORCEMENT IS TO PROJECT A MINIMUM OF 1000mm ABOVE THE PILE CUT-OFF LEVEL.
- THE PILES ARE TO BE DESIGNED TO RESIST AN APPLIED HORIZONTAL FORCE OF 3.0KN AT EACH PILE HEAD.
- THE PILES ARE TO BE DESIGNED TO RESIST THE APPLIED VERTICAL LOADS AS SHOWN IN THE PILE SCHEDULE WITH A FACTOR OF SAFETY OF 2.5. OPERATIONS AND MAINTENANCE MANUAL TO BE ANNOTATED WITH THIS INFORMATION.
- PILES TO BE POSITIONED TO WITHIN ±75MM ON PLAN AND 1:75 VERTICALLY.
- FOR SETTING OUT DIMENSIONS AND LEVELS, REFER TO THE ARCHITECTS DRAWINGS.
- PILE TYPE AND INSTALLATION METHOD TO BE SUCH THAT THERE IS NO DISTURBANCE TO ANY ADJACENT PROPERTIES OR UNDERGROUND SERVICES FROM VIBRATION OR NOISE.
- COMPLETE RECORDS OF THE PILING ARE TO BE KEPT IN ACCORDANCE WITH SPERW AND FORWARDED TO THE ENGINEER.
- PIILING MAT IS TO BE DESIGNED BY PILING CONTRACTOR.
- PIILING DESIGN AND INSTALLATION TO COMPLY WITH ICE SPECIFICATION FOR PILING&EMBEDDED RETAINING WALLS SECOND EDITION.  
FULL RECORDS OF INSTALLATION TO BE KEPT



GROUND BEAM - RC MAIN BEAM LAYOUT

Scale: 1:50

ISSUED FOR CONSTRUCTION

Tellett Engineering Consultants  
Suite 2  
Orchard House  
St Neots  
Cambs  
PE19 1AW  
Tel. 01480 570 067  
office@t3ec.co.uk



Drawing: 65 High Street, Upwoud, PE26 2QE  
Piles And Ground Beam Details - Plot 1

Drawn: TC  
Date: 26.03.2018  
Scale: AS SHOWN

Drawing No.  
J2873/01