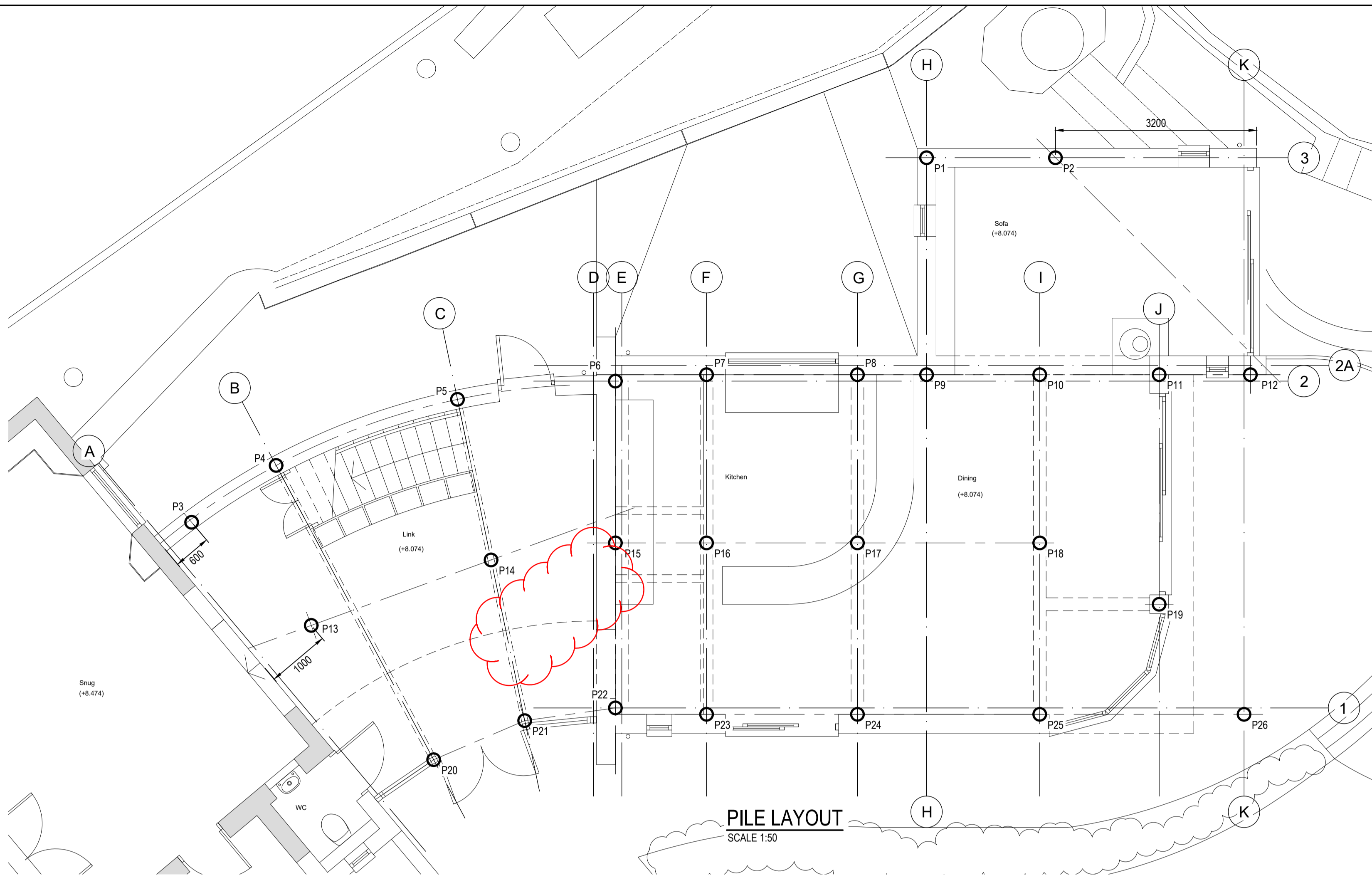


PILE SCHEDULE - NEW EXTENSION		
PILE REF	PILE LOAD kN	CUT OFF LEVEL
P1	100	T.B.C.
P2	175	T.B.C.
P3	100	T.B.C.
P4	125	T.B.C.
P5	150	T.B.C.
P6	175	T.B.C.
P7	100	T.B.C.
P8	175	T.B.C.
P9	100	T.B.C.
P10	100	T.B.C.
P11	150	T.B.C.
P12	100	T.B.C.
P13	125	T.B.C.
P14	100	T.B.C.
P15	150	T.B.C.
P16	150	T.B.C.
P17	125	T.B.C.
P18	100	T.B.C.
P19	150	T.B.C.
P20	150	T.B.C.
P21	100	T.B.C.
P22	150	T.B.C.
P23	125	T.B.C.
P24	150	T.B.C.
P25	175	T.B.C.
P26	75	T.B.C.

LEGEND - PILES:

⊕ PILE LOCATION AS SHOWN ON PLAN - DIAMETER TO BE CONFIRMED BY SPECIALIST PILING CONTRACTOR

SEE ALSO PILE LOAD TABLE



HEALTH & SAFETY INFORMATION

- IN ADDITION TO THE RISK NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DESIGN, NOTE THE FOLLOWING SIGNIFICANT RISKS AND INFORMATION
- CONSTRUCTION RISKS:**
- ⚠ CONTRACTOR TO ENSURE THAT ANY ADJACENT EXCAVATIONS WILL NOT UNDERMINE OR ADVERSELY AFFECT EXISTING STRUCTURES
 - ⚠ DEEP EXCAVATIONS - NO OPERATIVES TO WORK IN TRENCHES OR PITS - CONTRACTOR TO ADOPT ALL NECESSARY SHORING, ETC., TO ENSURE SAFE METHOD OF WORKING
 - ⚠ EXISTING SERVICES - CONTRACTOR TO ADOPT ALL NECESSARY PRECAUTIONS TO ENSURE SAFE METHOD OF WORKING
 - ⚠ ENSURE EXCAVATIONS REMAIN DRY - DO NOT ALLOW TO FILL UP WITH WATER - PUMPING MAY BE REQUIRED
 - ⚠ EXPOSED REINFORCEMENT - ALL EXPOSED REBAR TO BE CAPPED AT ALL TIMES. NO REBAR END IS TO BE LEFT EXPOSED AT ANY TIME DURING THE WORKS
 - ⚠ PILING RIG - PILING CONTRACTOR TO DESIGN WORKING PLATFORM TO ENSURE STABILITY

THE DESIGN TEAM HAVE HIGHLIGHTED UNUSUAL AND SIGNIFICANT RISKS ONLY THAT MAY NOT BE OBVIOUS TO A COMPETENT CONTRACTOR. THEY ARE TO ASSIST WITH RISK REDUCTION ONLY AND ARE NOT NECESSARILY COMPREHENSIVE. IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING TO AN APPROPRIATE RISK ASSESSMENT AND METHOD ON SITE

- PILING**
- THE PILING CONTRACTOR IS TO VISIT THE SITE AND FULLY ACQUAINT HIMSELF WITH THE CONDITIONS RELATING TO THE WORKS.
 - FOR PILE LOADS, REFER TO THE PILE LOAD TABLE.
 - THE FINAL PILE DESIGN TO BE AGREED BY THE ENGINEER AND SUBJECT TO LOCAL AUTHORITY APPROVAL.
 - TOPS OF THE PILES ARE TO BE LEFT IN A SOUND CONDITION WITH THE REINFORCEMENT PROJECTING A MINIMUM OF 80 TIMES THE BAR DIAMETER.
 - THE ENGINEER IS TO BE INFORMED IMMEDIATELY SHOULD ANY PILES MEET AN OBSTRUCTION, BE OUT OF PLUMB OR OUTSIDE 75mm PLAN TOLERANCE.
 - ALL PILING WORKS ARE TO BE IN ACCORDANCE WITH THE 'SPECIFICATION FOR PILING' AS PUBLISHED BY THE INSTITUTION OF CIVIL ENGINEER.
 - ALL SERVICES ARE TO BE LOCATED PRIOR TO THE SETTING OUT OF THE PILES. MODIFICATION TO THE PILE LAYOUT MAY BE REQUIRED IN RELATION TO THE EXISTING SERVICES ON SITE.
 - ALLOW FOR A FACTOR OF SAFETY OF 3 TIMES THE SERVICE LOAD IN THE DESIGN OF ALL PILES.

Notes

- GENERAL**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEER'S, ARCHITECT'S AND SPECIALIST'S DRAWINGS AND THE SPECIFICATION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORKS.
 - ALL WORKMANSHIP AND MATERIALS ARE TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT EUROCODES, CODES OF PRACTICE AND GOOD BUILDING PRACTICE.
 - ALL WORK SHALL BE TO THE SATISFACTION OF THE ENGINEER AND THE LOCAL AUTHORITY.
 - SETTING OUT DETAILS ARE SHOWN ON THE ARCHITECT'S DRAWINGS UNLESS NOTED OTHERWISE. ENGINEER'S DRAWINGS INDICATE STRUCTURAL ELEMENTS ONLY.
 - DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE IN MILLIMETRES. THE CONTRACTOR IS TO CHECK ALL DIMENSIONS ON SITE BEFORE CARRYING OUT ANY WORKS.
 - ALL EXISTING DETAILS AND DIMENSIONS INDICATED ON THIS DRAWING ARE FOR GUIDANCE ONLY AND ARE TO BE CHECKED ON SITE BY THE CONTRACTOR.
 - THE CONTRACTOR IS RESPONSIBLE FOR AND MUST TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE STABILITY OF EXISTING STRUCTURES AND THE WORKS AT ALL TIMES DURING CONSTRUCTION.
 - ALL SERVICES ARE TO BE LOCATED AND PROTECTED AS NECESSARY BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF THE WORKS.
 - THIS DRAWING IS FOR THE PRIVATE AND CONFIDENTIAL USE OF THE CLIENT FOR WHOM IT WAS UNDERTAKEN AND IT SHOULD NOT BE REPRODUCED IN WHOLE OR IN PART OR RELIED UPON BY THIRD PARTIES FOR ANY USE WITHOUT THE EXPRESS WRITTEN AUTHORITY OF J P CHICK AND PARTNERS LIMITED.

REFER TO ARCHITECT'S DRAWINGS FOR SETTING OUT DIMENSIONS & LEVELS

CONSTRUCTION

Rev.	Date	By	Amendment	Chk	App
C2	29.09.21	KG	P3 Col. Moved to Grid 1, Grid 1A Deleted, P2 Cols., etc., Moved to Grids H&K - Revised CONSTRUCTION Issue	DA	09.21
C1	03.08.21	KG	Grid Beams Removed, Floor Span Symbols Rotated 90° in Kitchen Area - CONSTRUCTION Issue	DA	08.21
P2	01.04.21	KG	Steel Column Locations, Section Marks, 152x152 UC Stubs + 305x165 UBs, Notes, etc., Added - Revised PRELIMINARY Issue	DA	04.21
P1	25.03.21	KG	PRELIMINARY Issue	DA	03.21

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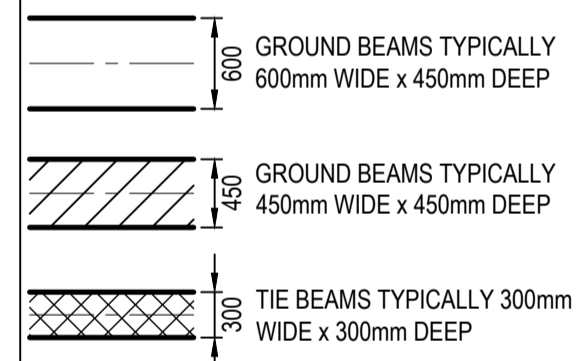
Project
TOLLHOUSE, CRINGLEFORD NORWICH

Drawing Title
GROUND FLOOR PLAN SHOWING PILE & GROUND BEAM LAYOUTS

Scale	Checked	Date
1:50@A1	DA	09.21
Date	Drawn By	
MARCH 2021	kg	
Drawing Number	Rev	
NG 19_086-100	C2	

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LEGEND - REINFORCED GROUND BEAMS:

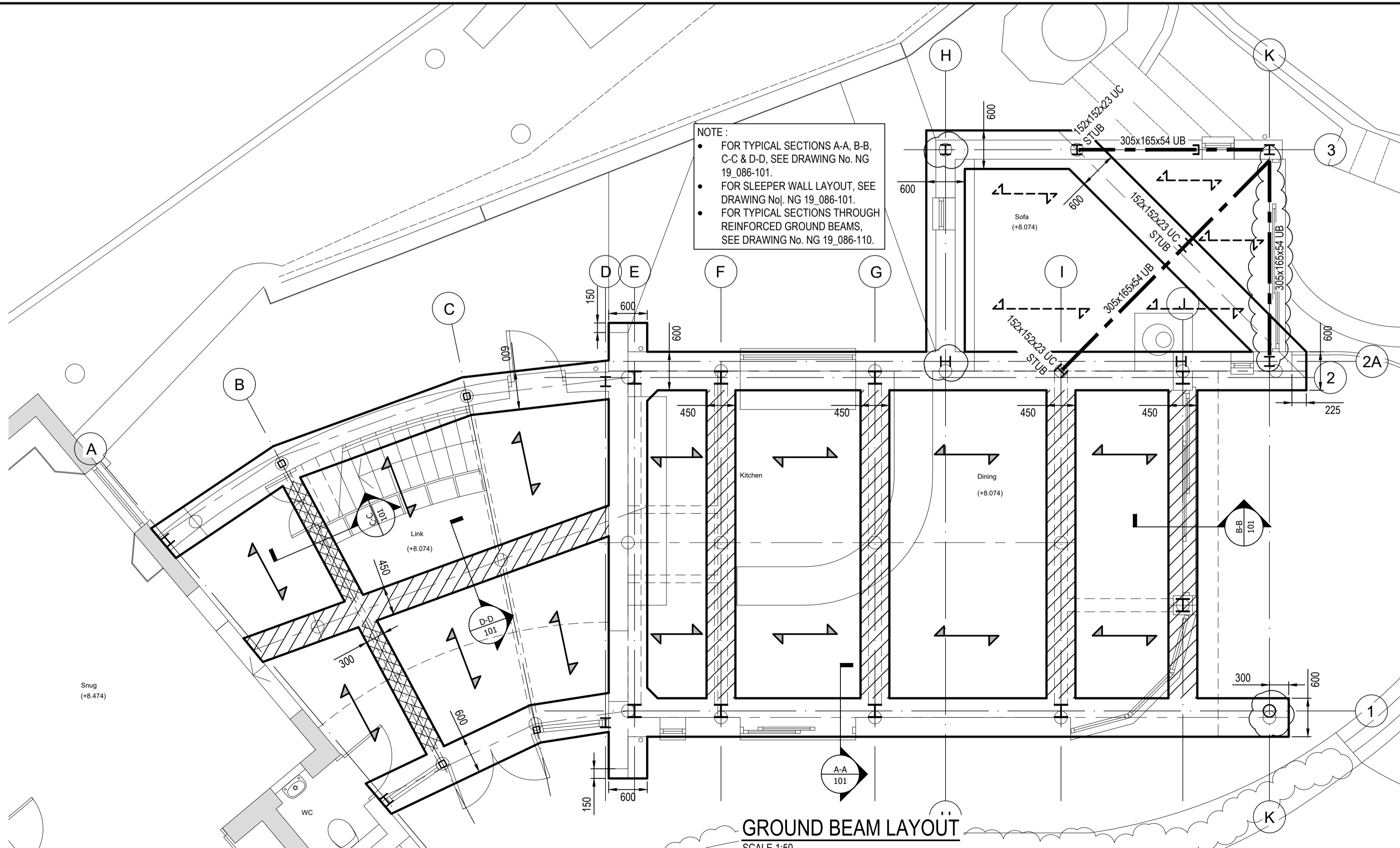
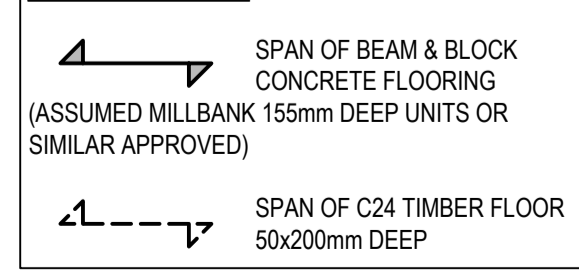


NOTE - FOR REINFORCEMENT DETAILS SEE TYPICAL SECTIONS THROUGH + REINFORCEMENT on DRAWING No. NG 19_086-110.

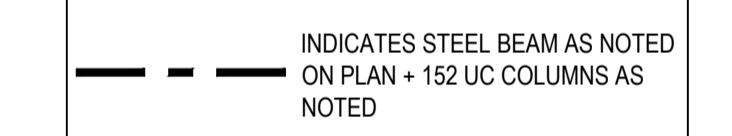
NOTE - GROUND BEAMS / REINFORCEMENT:

- TOP OF PROPOSED GROUND BEAM LEVEL TO BE CONFIRMED.
- ALL REINFORCED GROUND BEAMS TO BE AS NOTED ON PLAN.
- ALL GROUND BEAMS CENTRED ON AS SHOWN ON PLAN UNLESS NOTED OTHERWISE.
- ALL FIXINGS (HSA) FOR BASEPLATES TO COLUMNS WILL NEED TO BE POSITIONED TO AVOID CLASHING WITH GROUND BEAM REINFORCEMENT. CONTRACTOR TO ALLOW FOR SCANNING OF REINFORCEMENT @ BASEPLATE LOCATIONS PRIOR TO DRILLING FOR FIXINGS. BASEPLATES TO BE DETAILED WITH TOLERANCE TO ALLOW ALIGNMENT OF FIXINGS TO AVOID REINFORCEMENT.
- EXISTING FOUNDATIONS ARE ASSUMED AND NEED TO BE CHECKED ON SITE BY CONTRACTOR BEFORE WORKS COMMENCE. IF EXISTING FOUNDATIONS ARE FOUND TO BE DIFFERENT FROM ASSUMED, STRUCTURAL ENGINEER MUST BE CONTACTED & ADVISED.

LEGEND - FLOORING:



LEGEND - STEELWORK TO GROUND FLOOR:



- NOTE:**
- ALL 305x165 UBs GALVANISED STEEL
 - ALLOW FOR 3 No. STUB OF 152x23 UC FROM TOP OF GROUND BEAM TO UNDERSIDE OF 305x165 UBs.
 - UTILISE BOLT BOX CONNECTION INTO GROUND BEAM (NOT RESIN ANCHORS)

CONCRETE

- ALL REINFORCED CONCRETE SHOWN ON THIS DRAWING IS TO BE IN STRICT ACCORDANCE WITH EUROCODE 2 BS EN 1992-1-1.
- UNLESS NOTED OTHERWISE ALL REINFORCED CONCRETE TO BE GRADE C35 DESIGN MIX USING A NOMINAL MAXIMUM SIZED AGGREGATE OF 20mm.
- BLINDING IS TO BE GEN 1 GRADE CONCRETE MIX WITH 20mm AGGREGATE.
- ALL CONCRETE TO BE ADEQUATELY COMPACTED AND VIBRATED TO THE SATISFACTION OF THE ENGINEER AND BUILDING CONTROL OFFICER DURING POURING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, SUPPORT AND ERECTION OF ANY FORMWORK REQUIRED.
- FLEXIBLE PROTECTION IS TO BE PROVIDED AROUND ALL SERVICES WITH 50mm COMPRESSIBLE WRAPPING.
- COVER TO ALL REINFORCEMENT IS TO BE 50mm ALL ROUND UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS TO SUPPLY ALL STOOLS, SPACERS, COVER BLOCKS, ETC. THESE ITEMS ARE NOT SCHEDULED.