

PROPOSED GROUND FLOOR PLAN  
SHOWING THE FOUNDATIONS  
(SCALE 1:50)

**LINTELS**  
UNLESS OTHERWISE STATED LINTELS TO BE CATNIC COMBINED STEEL TO BS5977 (SIZES AS RECOMMENDED BY MANUFACTURER). PROVIDE MIN. 150MM END BEARING WHERE BEARING IS LESS THAN 150MM CONCRETE PADSTONES ARE TO BE PROVIDED( SIZES TO SUIT LOAD AND DETAIL). ALL LINTEL BACKS AND SOFFITS TO HAVE MIN. HALF HOUR FIRE RESISTANCE AND BE INSULATED TO PREVENT COLD BRIDGING WHERE NECESSARY. WHERE STEEL U.B'S ARE USED THEY ARE TO BE BRACED TOGETHER 300MM FROM EACH BEARING POINT AND AT MID SPAN & SET TO CONCRETE PADSTONES EACH END. HALF HOUR FIRE PROTECTION TO STEELWORK AS ABOVE.  
FOR UNIFORMLY DISTRIBUTED LOADS AND STANDARD 2 STOREY DOMESTIC LOADINGS ONLY  
LINTEL WIDTHS ARE TO BE EQUAL TO WALL THICKNESS. ALL LINTELS OVER 750MM SIZED INTERNAL DOOR OPENINGS TO BE 65MM DEEP PRE-STRESSED CONCRETE PLANK LINTELS. 150MM DEEP LINTELS ARE TO BE USED FOR 900MM SIZED INTERNAL DOOR OPENINGS. LINTELS TO HAVE A MINIMUM BEARING OF 150MM ON EACH END. ANY EXISTING LINTELS CARRYING ADDITIONAL LOADS ARE TO BE EXPOSED FOR INSPECTION AT COMMENCEMENT OF WORK ON SITE. ALL PRE-STRESSED CONCRETE LINTELS TO BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH BS 8110, WITH A CONCRETE STRENGTH OF 50 OR 40 N/MM<sup>2</sup> AND INCORPORATING STEEL STRANDS TO BS 5896 TO SUPPORT LOADINGS ASSESSED TO BS 5977 PART 1.  
FOR OTHER STRUCTURAL OPENINGS PROVIDE PROPRIETARY INSULATED STEEL LINTELS SUITABLE FOR SPANS AND LOADINGS IN COMPLIANCE WITH APPROVED DOCUMENT A AND LINTEL MANUFACTURES STANDARD TABLES. STOP ENDS, DPC TRAYS AND WEEP HOLES TO BE PROVIDED ABOVE ALL EXTERNALLY LOCATED LINTELS.

- GENERAL NOTES**
- CHECK ALL DIMENSIONS ON SITE.
  - ALL NOTES IN STRUCTURAL CALCULATIONS TO BE READ BEFORE ANY WORK DONE IN THE SITE. THIS IS MANDATORY.
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
  - ALL VERTICAL MEASUREMENTS ASSUME GROUND TO BE LEVEL UNLESS OTHERWISE STATED.
  - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE GENERAL NOTES.
  - WORKS TO BE CARRIED OUT WITH MATERIALS AND WORKMANSHIP IN COMPLIANCE WITH APPROVED DOCUMENT FOR REGULATION 7 (THE AMENDED BUILDING REGULATIONS 2010)
  - WORKS TO BE CARRIED OUT IN A SAFE MANNER IN ACCORDANCE WITH CDM REGULATIONS 2007.
  - OPEN UP EXISTING STRUCTURE AS REQUIRED BY THE BUILDING INSPECTOR
  - THIRD PARTY SUPPLIER TO MEASURE ON SITE BEFORE MANUFACTURING
  - GENERAL CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO COMMENCEMENT OF EACH PORTION OF THE WORK.
  - ANY DISCREPANCIES IN DRAWINGS SHOULD BE NOTIFIED PRIOR PROCEEDING ANY WORKS.
  - UNLESS OTHERWISE INDICATED, PLAN DIMENSIONS ARE TO COLUMN GRID ON CENTERLINES, NOMINAL SURFACE OF MASONRY, FACE OF STUDS AND FACE OF CONCRETE WALLS AND BEAM CENTRE TO CENTRES.
  - "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FINISH FLOORING IS INSTALLED ABOVE THE FLOOR LINE. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
  - REPETITIVE FEATURES ARE NOT ALWAYS DRAWN IN THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
  - WHERE A DOOR IS LOCATED NEAR CORNER OF ROOM AND IS NOT LOCATED BY DIMENSION ON PLAN OR DETAILS, DIMENSION SHALL BE 100MM FROM FACE OF STUD (WALL).
  - LINE OF EXISTING FLOOR SLABS, AS SHOWN ON THE BUILDING ELEVATIONS AND SECTIONS ARE APPROXIMATE.
  - FLOOR LEVELS AND BOUNDARIES ASSUMED WHERE NOTED, DEPICTED BY LINE DASH LINES.
  - REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, GENERAL SPECIFICATION AND OTHER CATEGORIES OR DRAWINGS FOR ADDITIONAL NOTES.
  - VERIFY SIZE/LOCATION/FINISH/FIRE-RATING, ETC. AND PROVIDE COMPLETE AND REQUIRED OPENINGS THROUGH FLOORS AND WALLS, ACCESS DOORS, FURRING, CURBS, ANCHORS & INSERTS.
  - CONTRACTOR TO CARRY OUT MOST LOGICAL SOLUTION BUT TO CHECK WITH ARCHITECT OR ENGINEER IF UNSURE, REQUESTS BY CLIENTS THAT DEVIATE FORM DESIGN VOID THE DESIGN LIABILITY.
  - SEE STRUCTURAL GENERAL NOTES AND PLANS TO COMPLEMENT ARCHITECTURAL PLANS AT ALL TIMES, DO NOT ASSUME ANYTHING.

**BEAMS AND STRUCTURE**  
ENGINEER'S STRUCTURAL CALCULATIONS AND DETAILS ARE TO BE PROVIDED FOR ALL BEAMS, ROOF, LINTELS, JOISTS, BEARINGS, PADSTONES AND ANY OTHER LOAD BEARING ELEMENTS BEFORE WORKS COMMENCE ON SITE. NEW STEEL BEAMS TO BE ENCASED IN 12.5MM GYPROC FIRELINE BOARD WITH STAGGERED JOINTS, GYPROC FIRECASE OR PAINTED IN NULLIFIRE S OR SIMILAR INTUMESCENT PAINT TO PROVIDE 1 HOUR FIRE RESISTANCE AS AGREED WITH BUILDING CONTROL. ALL FIRE PROTECTION TO BE INSTALLED AS DETAILED BY SPECIALIST MANUFACTURER.

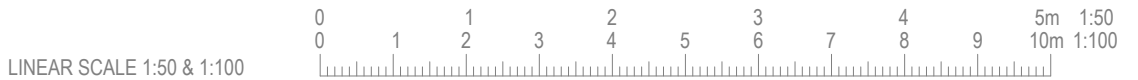
EXISTING STRUCTURE INCLUDING FOUNDATIONS, BEAMS, WALLS AND LINTELS CARRYING NEW AND ALTERED LOADS ARE TO BE EXPOSED AND CHECKED FOR ADEQUACY PRIOR TO COMMENCEMENT OF WORK AND AS REQUIRED BY THE BUILDING CONTROL OFFICER.

SUPPLY AND INSTALL NEW STRUCTURAL ELEMENTS SUCH AS NEW BEAMS, ROOF STRUCTURE, FLOOR STRUCTURE, BEARINGS, AND PADSTONES IN ACCORDANCE WITH THE STRUCTURAL ENGINEER'S CALCULATIONS AND DETAILS. NEW STEEL BEAMS TO BE ENCASED IN 12.5MM GYPROC FIRELINE BOARD WITH STAGGERED JOINTS NAILED TO TIMBER CRADLES OR PAINTED IN NULLIFIRE S OR SIMILAR INTUMESCENT PAINT TO PROVIDE 1/2 HOUR FIRE RESISTANCE.

STEELWORK TO BE TEMPORARILY BRACED DURING CONSTRUCTION.

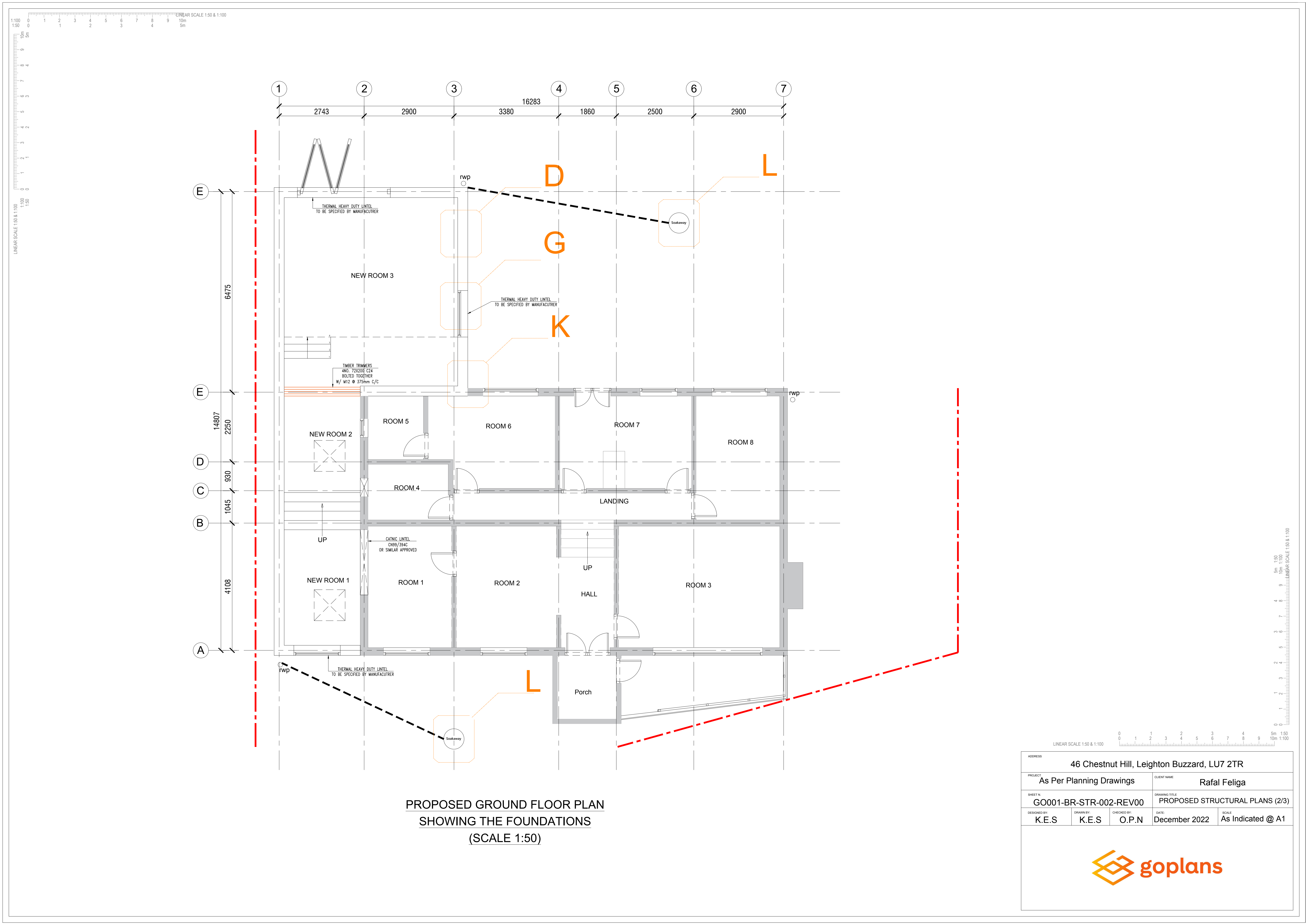
ALL STEEL ELEMENTS TO BE STEEL GRADE S355 AND GALVANIZED

NO MATERIAL TO BE ORDERED UNTIL THE APPROVAL FROM BUILDING CONTROL OBTAINED



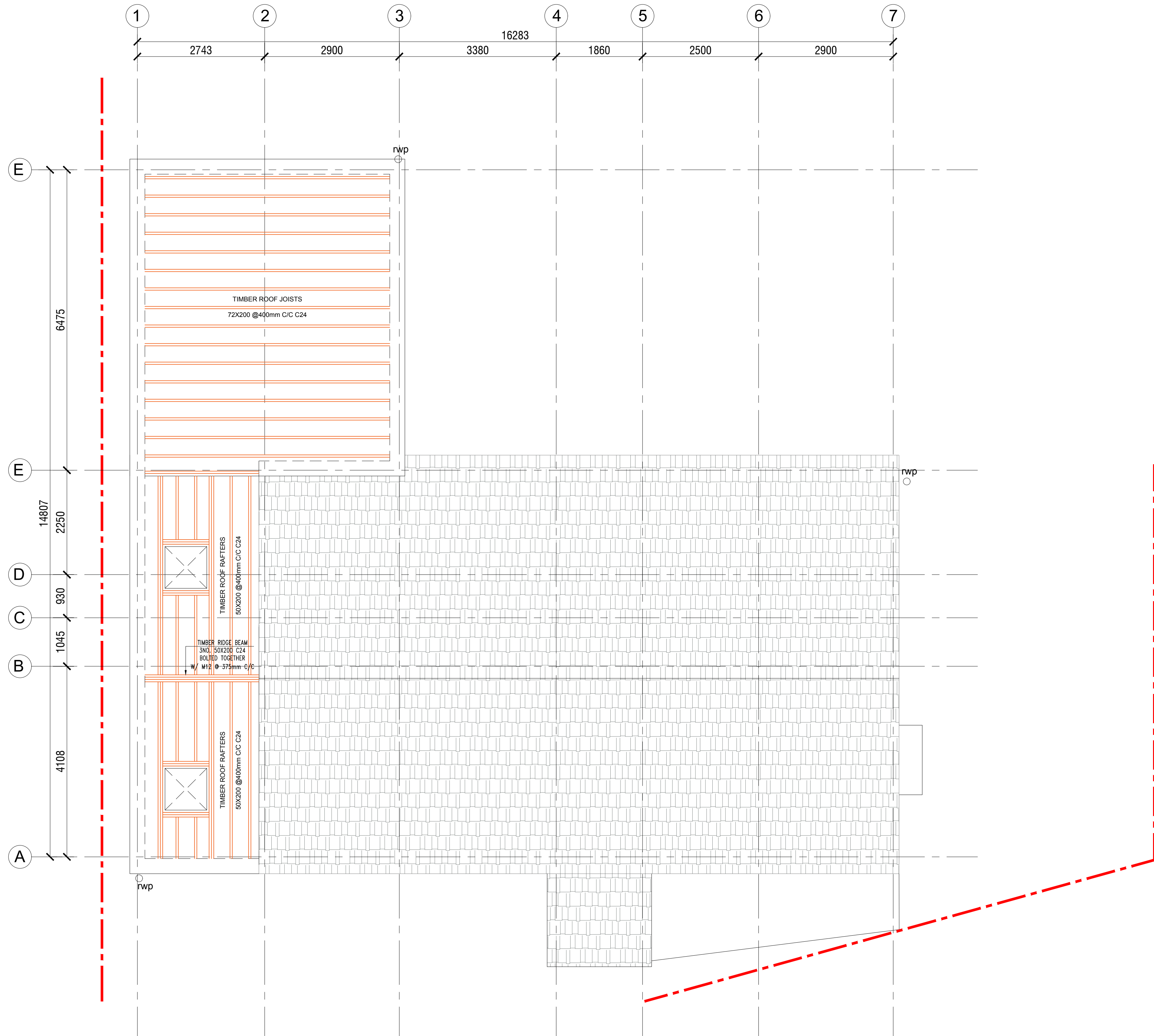
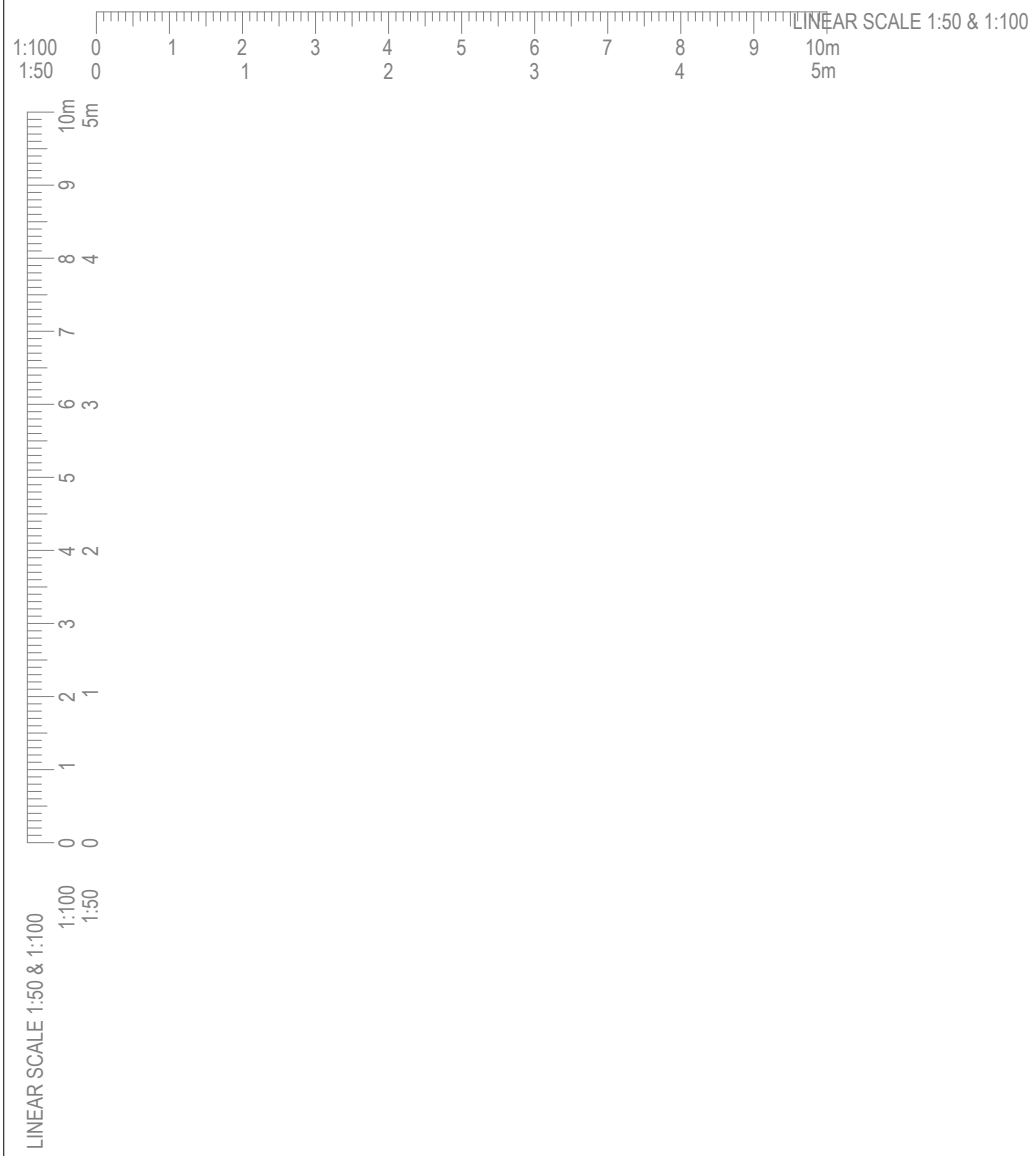
ADDRESS 46 Chestnut Hill, Leighton Buzzard, LU7 2TR				
PROJECT As Per Planning Drawings		CLIENT NAME Rafal Feliga		
SHEET NO. GO001-BR-STR-001-REV00		DRAWING TITLE PROPOSED STRUCTURAL PLANS (1/3)		
DESIGNED BY: K.E.S	DRAWN BY: K.E.S	CHECKED BY: O.P.N	DATE: December 2022	SCALE: As Indicated @ A1






PROPOSED GROUND FLOOR PLAN  
SHOWING THE FOUNDATIONS  
(SCALE 1:50)

ADDRESS 46 Chestnut Hill, Leighton Buzzard, LU7 2TR					
PROJECT As Per Planning Drawings			CLIENT NAME Rafal Feliga		
SHEET NO. GO001-BR-STR-002-REV00			DRAWING TITLE PROPOSED STRUCTURAL PLANS (2/3)		
DESIGNED BY: K.E.S	DRAWN BY: K.E.S	CHECKED BY: O.P.N	DATE: December 2022	SCALE: As Indicated @ A1	



PROPOSED ROOF PLAN  
(SCALE 1:50)



ADDRESS				46 Chestnut Hill, Leighton Buzzard, LU7 2TR					
PROJECT				As Per Planning Drawings					
CLIENT NAME				Rafal Feliga					
SHEET N°				DRAWING TITLE					
GO001-BR-STR-003-REV00				PROPOSED STRUCTURAL PLANS (3/3)					
DESIGNED BY:		DRAWN BY:		CHECKED BY:		DATE:		SCALE:	
K.E.S		K.E.S		O.P.N		December 2022		As Indicated @ A1	
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