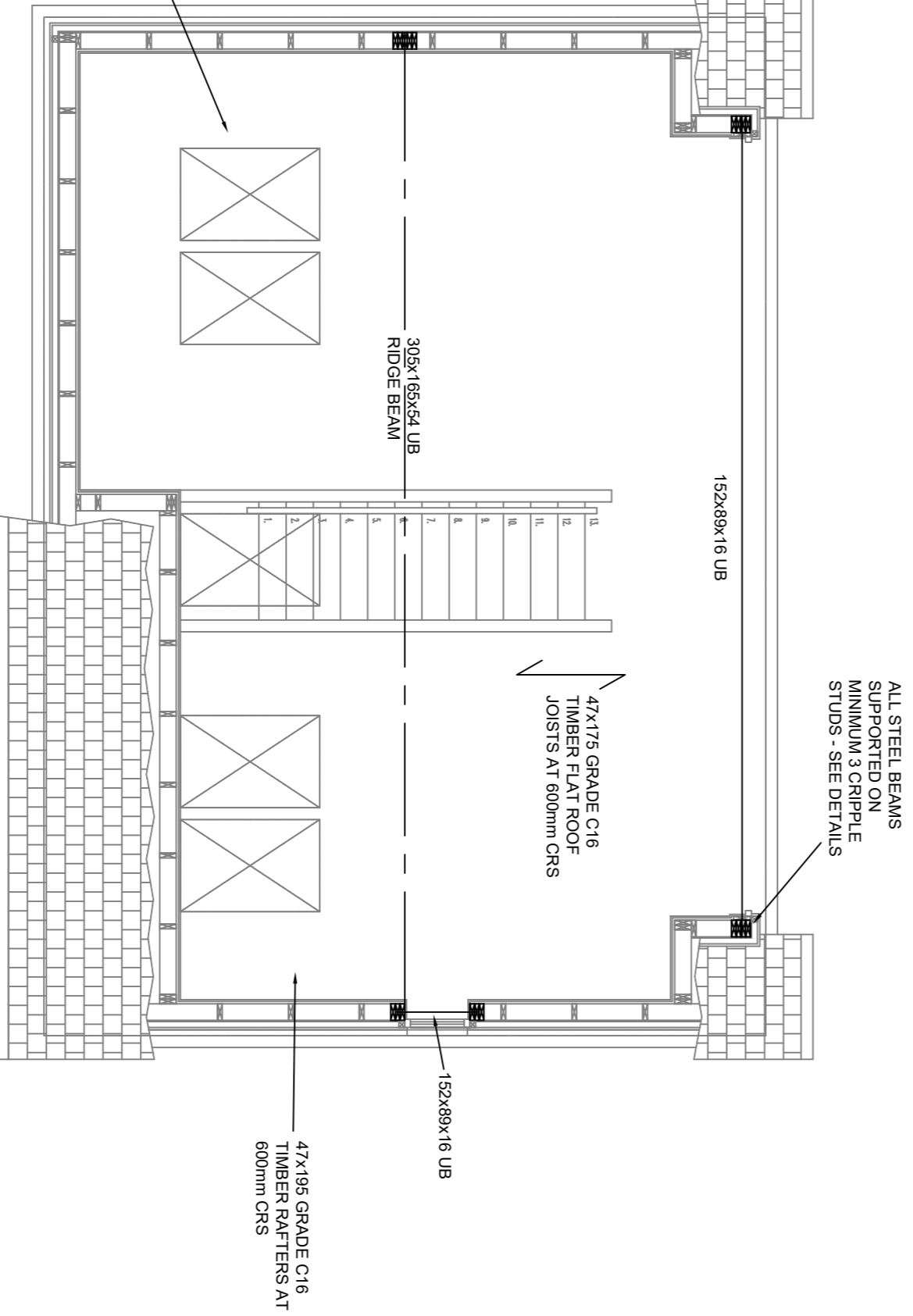
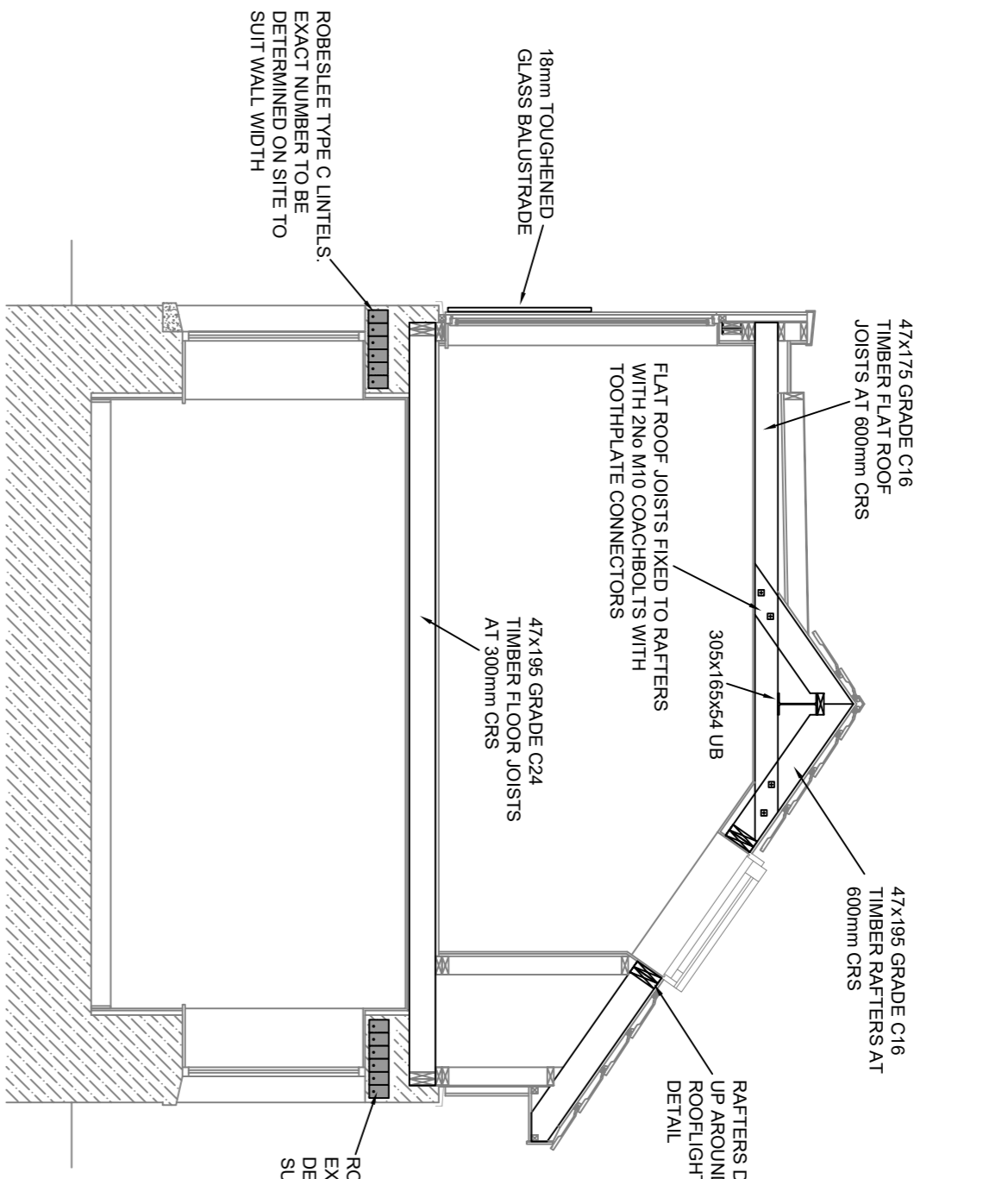


GROUND FLOOR PLAN  
SCALE 1:50



FIRST FLOOR PLAN  
SCALE 1:50



SECTION  
SCALE 1:50

MATERIAL	MINIMUM THICKNESS	FIXING
PLYWOOD ORIENTED STRAND BOARD (OSB) CHIPBOARD	9 mm 12 mm	3.0mm x 50mm LONG GALVANISED ROUND WIRE NAILS FIXED AT 200mm CRS TO EACH TRUSSED RAFTER
TIMBER BOARDING (NO MORE THAN ONE BOARD IN FOUR MAY BE JOINTED ON ANY ONE RAFTER)	16 mm	2x3.0mm x 50mm LONG GALVANISED ROUND WIRE NAILS PER BOARD FIXED TO EACH TRUSSED RAFTER

\* SUITABLE ONLY WHERE ROOF COVERINGS (e.g. SLATES & TILES) ARE INDEPENDENTLY SUPPORTED ON BATTENS, SECURED TO COUNTERBATTENS, IN ALL OTHER CASES ROOF COVERINGS MAY BE ATTACHED DIRECTLY TO THE BOARD.

NO.	DESCRIPTION	DETAILS
1	AT ALL BUTT JOINTS BETWEEN TWO PIECES AT RIGHT ANGLES EXCEPT WHERE TRIMMING JOISTS ROUND STAIRS, TO BE USED ONLY WHERE END NAILING IS NOT PRACTICABLE.	2x100 x 3.75mm DIA. NAILS END NAILED OR 3x100 x 3.75mm DIA. NAILS SKEW NAILED
2	WHERE ANY TWO PIECES ARE PLACED TOGETHER PARALLEL TO EACH OTHER.	75 x 3.75mm DIA. NAILS AT 300mm CENTRES
3	WHERE THERE IS ACCESS FROM BOTH SIDES OF SITE SLOPE.	50 x 3.75mm DIA NAILS AT 75mm CENTRES AROUND PERIMETER OF PLYWOOD SHEETS, 150mm CENTRES PROPER NARY CONNECTOR
4	FIXING DOWN ENDS OF TRUSSED RAFTERS, FLOOR JOISTS AND VERGE LADDERS TO THE TOP PLATE OF WALL FRAMING.	3x100 x 4.0mm DIA NAILS, SKEW NAILED OR WITH PROPER NARY CONNECTOR
5	FIXING BRACING ON TO WALL FRAMES IN SEPARATING WALLS OR TO TRUSSED RAFTERS.	2x100 x 4.0mm DIA. NAILS
6	TRIMMING ROUND STAIRS.	
7	FIXING DOWN WALL PLATES TO FOUNDATIONS.	GALVANISED JOIST HANGERS WITH STRAPS PRESTRESSED OVER THE TOP EDGE OF THE JOIST CARRING THE CUT END, FIXED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION.

Drawn By:	Status:	Date:	Drawing No.:	Rev'n
WARWANT		14.09.21	19352.01	-

Contract: PROPOSED ALTERATIONS TO BOTH LEVYATT COTTAGE LUNDE

Drawing Title: STRUCTURAL PLANS & SECTION

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**NOTES**  
DO NOT SCALE THIS DRAWING.  
DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.  
THE WORKS DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY BRACING AND PROPPING TO BE PROVIDED AS REQUIRED. DIMENSIONS FOR ALL PREFABRICATED AND PRECAST ITEMS TO BE CONFIRMED ON SITE PRIOR TO FABRICATION.

**TIMBER**  
STRUCTURAL TIMBER TO BE MINIMUM STRENGTH CLASS C16 TO BS 5268 PART 2. 95mm NAILED TO STUDS USING 3.75 DIA. X 50 LONG NAILS AT 75 CENTRES ROUND PERIMETER OF PLYWOOD SHEETS. 150 CENTRES ELSEWHERE UNLESS NOTED OTHERWISE.  
9mm OSB MAY BE USED AS A SHEATHING MATERIAL FOR EXTERNAL WALLS IN PLACE OF NOTED OTHERWISE. 50mm LONG NAILS TO BE USED AT SPACINGS SHOWN ON DETAIL UNLESS EXTERNAL WALL STUDS AND RUNNERS TO BE NOT LESS THAN 48 X 9 FINISHED SIZE. 50mm LONG WALL TIES TO BE ACOG STAINLESS STEEL AND FIXED TO TIMBER WITH 1x10 50mm AL CRS WITH 25mm VERTICAL SPACING AT EITHER SIDE OF ALL OPENINGS AND MOVEMENT JOINTS.  
PROVIDE ADDITIONAL STUDS AND DWANGS ETC. FOR THE SUPPORT OF APPLIANCE FIXTURES. TREATMENT IF ANY AS ADJACENT TIMBER MEMBERS.  
CHIPBOARD FOR FLOORING TO BE 23mm THK TONGUED AND GROoved FLOORING GRADE TYPE 1/11/11 TO BS 5669.

**MASONRY**  
MORTAR TO BE CLASS III ABOVE DPC AND CLASS III BELOW DPC IN ACCORDANCE WITH BS 5628 PART 1. MASONRY UNITS MAY BE USED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER.  
CONCRETE BLOCKS TO COMPLY WITH BS EN 771 & 772 PART 1. BLOCK AVERAGE COMPRESSIVE STRENGTH TO BE NOT LESS THAN 7.5 N/mm<sup>2</sup> AND AVERAGE DENSITY NOT LESS THAN 1900kg/m<sup>3</sup>. VERTICAL CENTRES IN ALL MASONRY CAVITY WALLS WHERE THE CAVITY WIDTH DOES NOT EXCEED 100mm PROVIDE ADDITIONAL TIES WITHIN 225mm OF EACH SIDE OF OPENINGS AND JOINTS AT NOT MORE THAN 225mm VERTICAL CENTRES. BED TIES IN NOT LESS THAN 50mm INTO STEEL TIES. EARTH LIFT - WHERE THE CAVITY EXCEEDS 100mm USE PREPARED STAINLESS STEEL TIES.  
ALL THE STRAPS TO BE AT LEAST GALVANISED 306.5 MILD STEEL OR 2065 STAINLESS STEEL IF WITHIN A CAVITY TO BE IN ACCORDANCE WITH BS 5698 PART 3.  
WHEN THE AIR TEMPERATURE IS 3 DEGREES OR BELOW, NO BRICKWORK OR BLOCKWORK SHALL BE BUILT. PROTECT NEW WORK FOR A PERIOD OF SEVEN DAYS DURING WHICH THE TEMPERATURE ON THE WALL SHALL NOT FALL BELOW FREEZING POINT. TAKE DOWN AND REMOVE DRAINAGE DRAINAGE OF TIES.

**STEELWORK**  
ALL STEELWORK TO COMPLY WITH THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION.  
STEEL TO BE GRADE S275H TO BS EN 10210 FOR HOLLOW SECTIONS, GRADE S275 TO BS EN 10210 FOR PLATES.  
BOLTS AND NUTS SHALL BE GRADE 8.8 TO BS EN 5989 UNLESS NOTED OTHERWISE.  
SITE WELDING SHALL ONLY BE CARRIED OUT WITH PRIOR WRITTEN CONSENT OF THE ENGINEER.  
STEELWORK TO BE SITE SIZED PRIOR TO COMMENCING FABRICATION.  
REMOVAL OF ALL TEMPORARY BRACING AND BACKPROPPING NECESSARY TO MAINTAIN STRUCTURAL STABILITY DURING CONSTRUCTION.  
STEELWORK TO BE SHOT BLASTED TO TO SA4.5 AND GIVEN ONE SHOP COAT OF HIGH BUILD ZINC PHOSPHATE PRIMER TO A MINIMUM DRY FILM THICKNESS OF 80microns FREE PROTECTION TO STEELWORK BELOW FLOOR SLAB LEVEL AND EXPOSED IN CAVITIES TO BE GIVEN 2 ADDITIONAL COATS OF BITUMINOUS PAINT.

**GLAZING**  
GLAZING ELEMENTS TO BE DESIGNED TEST ALL GLAZING ELEMENTS FOR A WIND LOADING OF 1kN/m<sup>2</sup> ON GLAZING PANEL.  
ALL GLAZING ELEMENTS EXTENDING BELOW A 1.1m CILL HEIGHT TO BE DESIGNATED TESTED FOR A BARRIER LOADING IN ACCORDANCE WITH BS5899 PART 1. THE MINIMUM HORIZONTAL MINIMUM FIXING REQUIREMENTS FOR GLAZING BACK TO STRUCTURE. ALL SCREWS TO BE MINIMUM 6mm SHANK DIAMETER AND TO HAVE A MINIMUM TENSILE STRENGTH OF 550N/mm<sup>2</sup> AND BE COMPLIANT WITH BS 2710 FIXING BRACKETS TO BE MINIMUM 125mm THICK OR 125 x SQUARE METRE OF OPENING WITH A MINIMUM OF 6 SCREWS PER WINDOW. FOR WINDOWS DOORS SUBJECT TO BARRIER LOADING INCREASE FIXINGS BY 2 SCREWS PER METRE RUN OF WINDOW/DOOR.