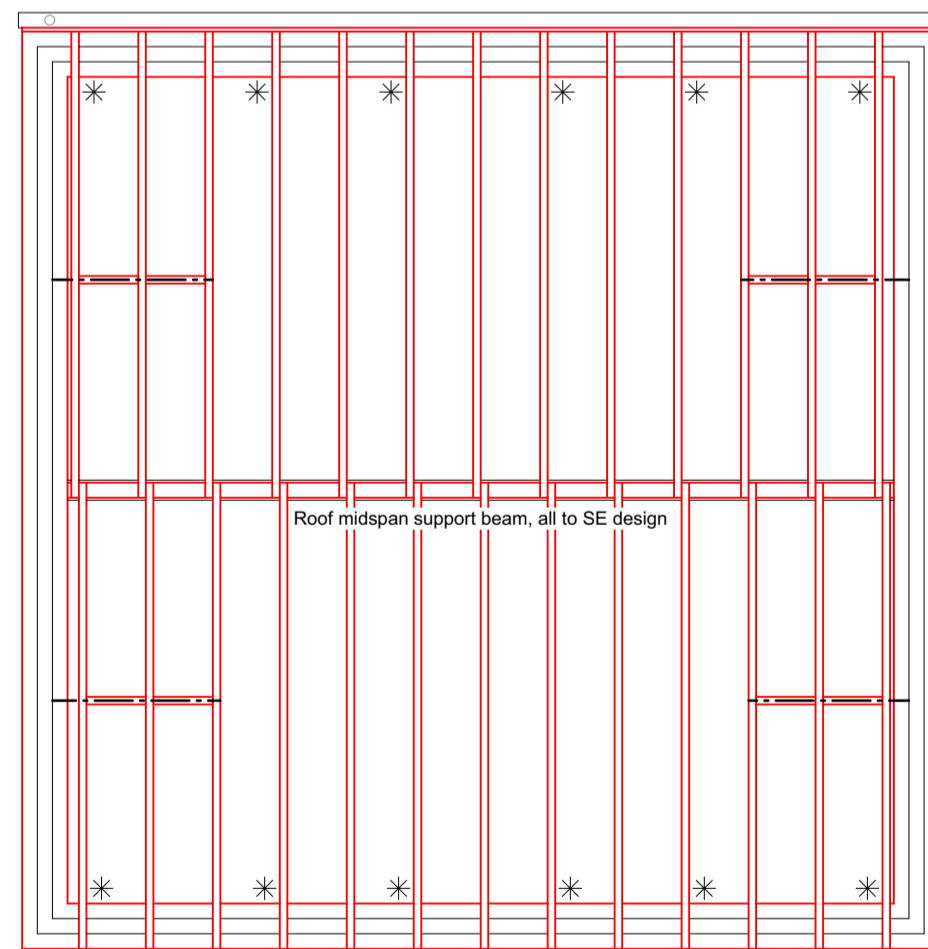
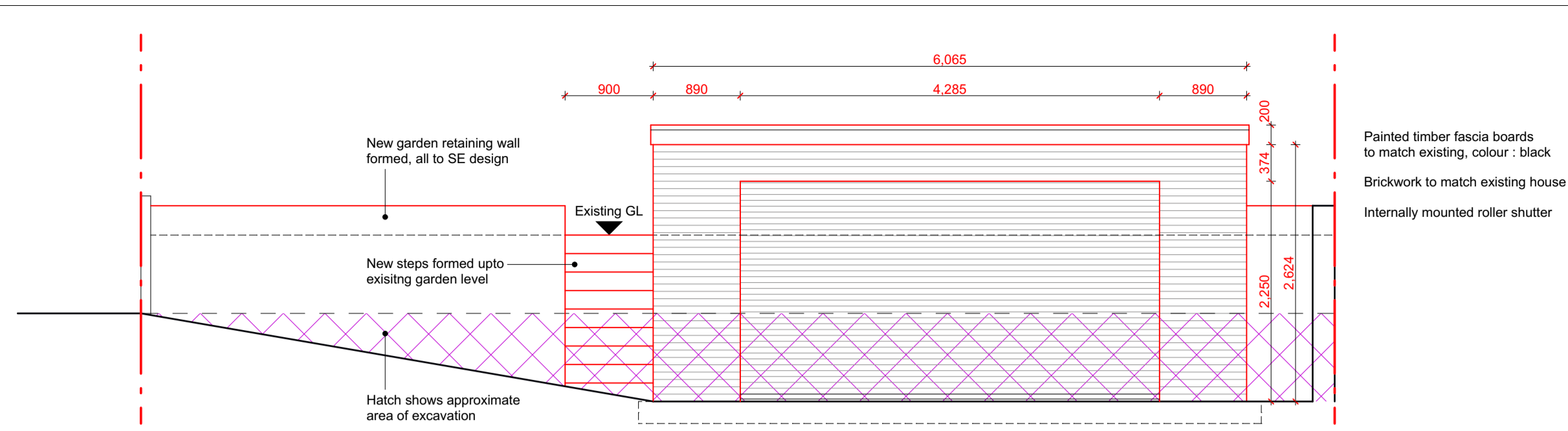


PROPOSED GARAGE PLAN

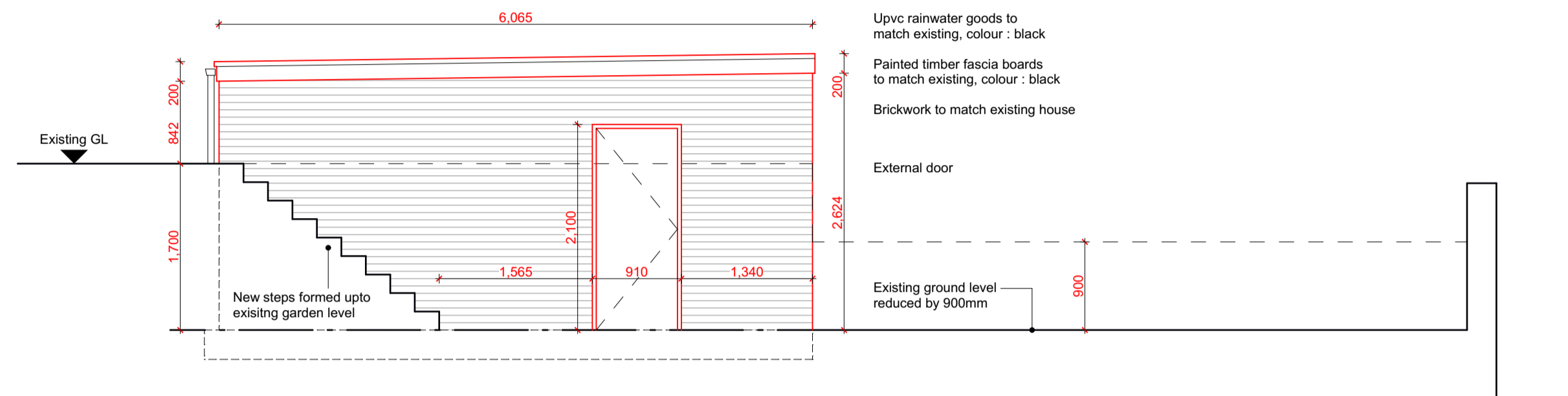
- \* Vertical restraint straps
- Horizontal restraint straps @ max. 1800 centres over 3 rafters (noggins between rafters below straps)
- Traditional flat roof construction comprising 50 x 170 sw joists @ 450 centres 100 x 75 sw wallplate



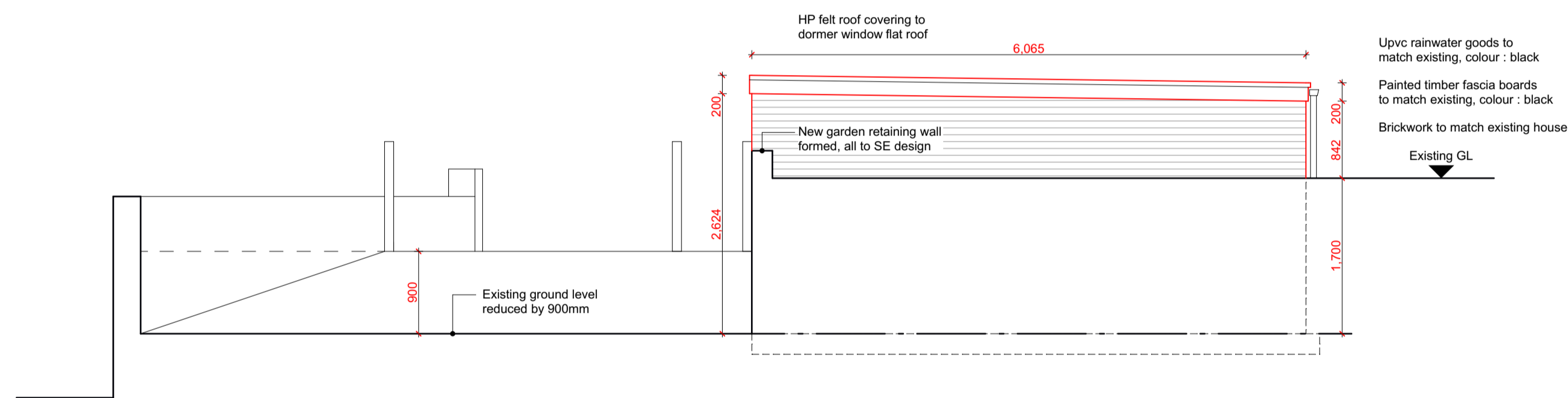
PROPOSED ROOF PLAN



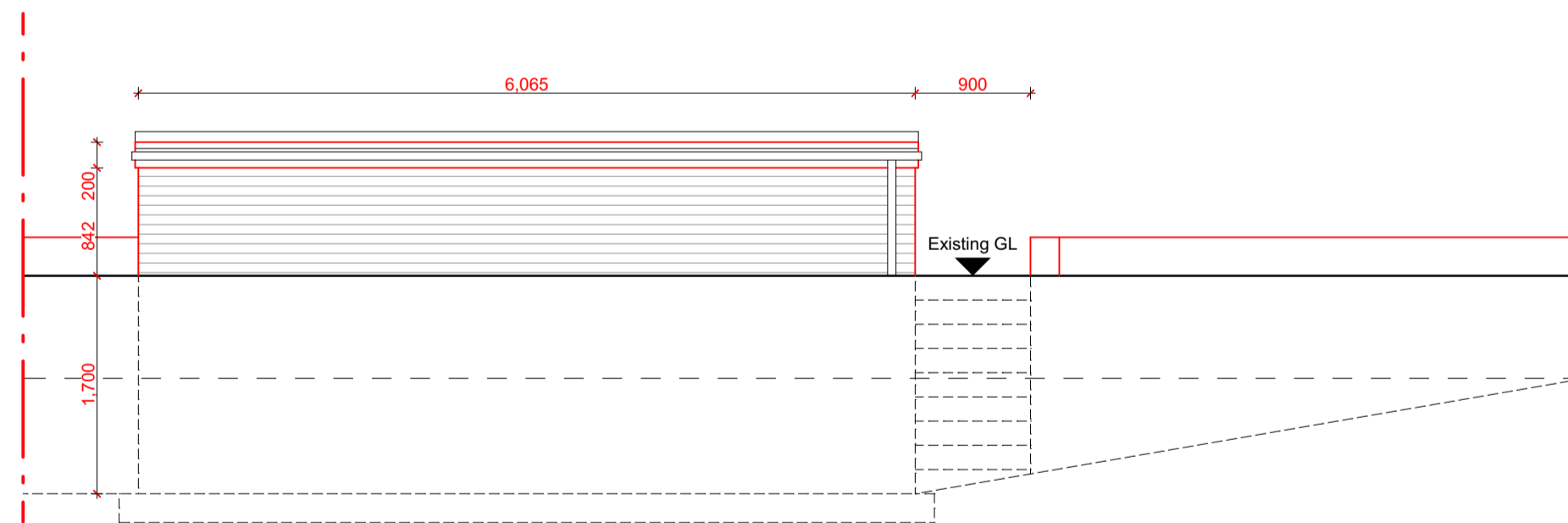
PROPOSED FRONT ELEVATION



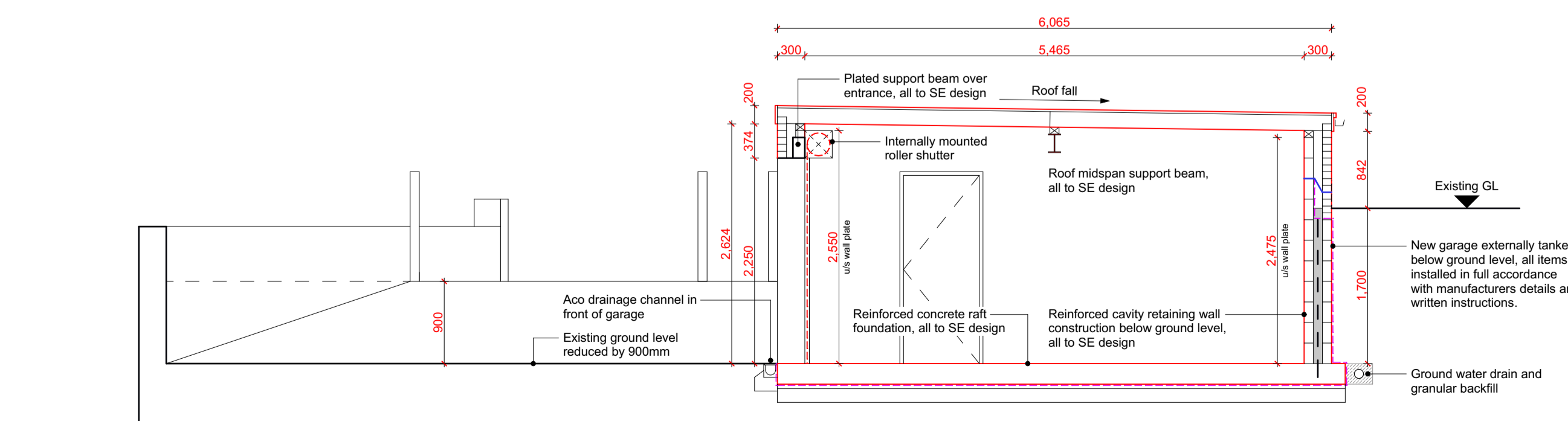
PROPOSED SIDE ELEVATION



PROPOSED SIDE ELEVATION



PROPOSED REAR ELEVATION



PROPOSED SECTION

**CONSTRUCTION NOTES:**  
 ALL WORK CARRIED OUT AND MATERIALS USED SHALL BE IN ACCORDANCE WITH RELEVANT BRITISH STANDARDS AND CODES OF PRACTICE.

**DRAINAGE SPECIFICATION**  
 ALL DRAINAGE TO COMPLY WITH BS 8301  
 100mm DRAINS TO BE LAID AT MINIMUM GRADIENT 1 : 80  
 150mm DRAINS TO BE LAID AT MINIMUM GRADIENT 1 : 150  
 ALL DRAINAGE TO BE 100mm DIAMETER, UNLESS NOTED OTHERWISE  
 TO BE FLEXIBLE JOINTED HEFORTH 'SUPERLEVEL' PIPES OR EQUIVALENT, LAID DIRECTLY ON TRIMMED TRENCH BOTTOM. BACKFILLED WITH SELECTED MATERIAL (MAX. PARTICLE SIZE 40mm) HAND RAMMED TO LAYERS GIVING MIN. 150mm COVER ABOVE PIPE CROWN. FURTHER 300mm LAYER PLACED OVER PRIOR TO ANY POWER RAMMING. ALTERNATIVELY PIPES MAY BE LAID ON 150mm COMPACTED LAYER OF SELECTED EXCAVATED MATERIAL (MAX. PARTICLE SIZE 20mm) AND IN ALL CASES LAID AS MANUF'S INSTRUCTIONS.

WHERE DRAINS PASS WITHIN 1000mm OF FOUNDATIONS PIPES TO BE SURROUNDED WITH 150mm CONCRETE TO LEVEL OF UNDERSIDE OF FOUNDATIONS. WHERE PIPES PASS THROUGH WALLS PRESSURE RELIEVING LINTELS TO BE INCORPORATED OVER.

ALL FOUNDATIONS TO BE TAKEN BELOW THE INVERT LEVEL OF LOCALISED DRAINS WHERE WITHIN 1000mm OF FOUNDATIONS.  
**GARAGE FLOOR CONSTRUCTION**  
 OVER SITE TO BE CLEARED OF VEGETABLE TOPSOIL, LEVELLED AND TREATED WITH PROPRIETARY WEED KILLER.  
 GROUND BEARING REINFORCED CONCRETE RAFT FOUNDATION, ALL TO SE DESIGN ON

1200 GAUGE VISQUEEN DPM (LINKED TO VISQUEEN SELF ADHESIVE TANKING MEMBRANE DRESSED UP OUTER FACE OF EXTERNAL WALL LAPPED AND SEALED TO EXTERNAL WALL CAVITY TRAY DPC), ON 50mm SAND BLINDING OVER 150mm WELL CONSOLIDATED SULPHATE FREE HARDCORE.

**WALL CONSTRUCTION**  
 300 mm CAVITY WALL CONSTRUCTION.  
 RED BRICKWORK EXTERNAL LEAF ABOVE EXTERNAL GROUND LEVEL, TO MATCH EXISTING.

100mm LIGHTWEIGHT BLOCKWORK EXTERNAL LEAF eg. TOPBLOCK TOPLITE STANDARD (630 kg/m<sup>3</sup>) OR EQUIVALENT, COMPRESSIVE STRENGTH 3.5 N/mm<sup>2</sup> BELOW GROUND, ALL TO SE RECOMMENDATION.

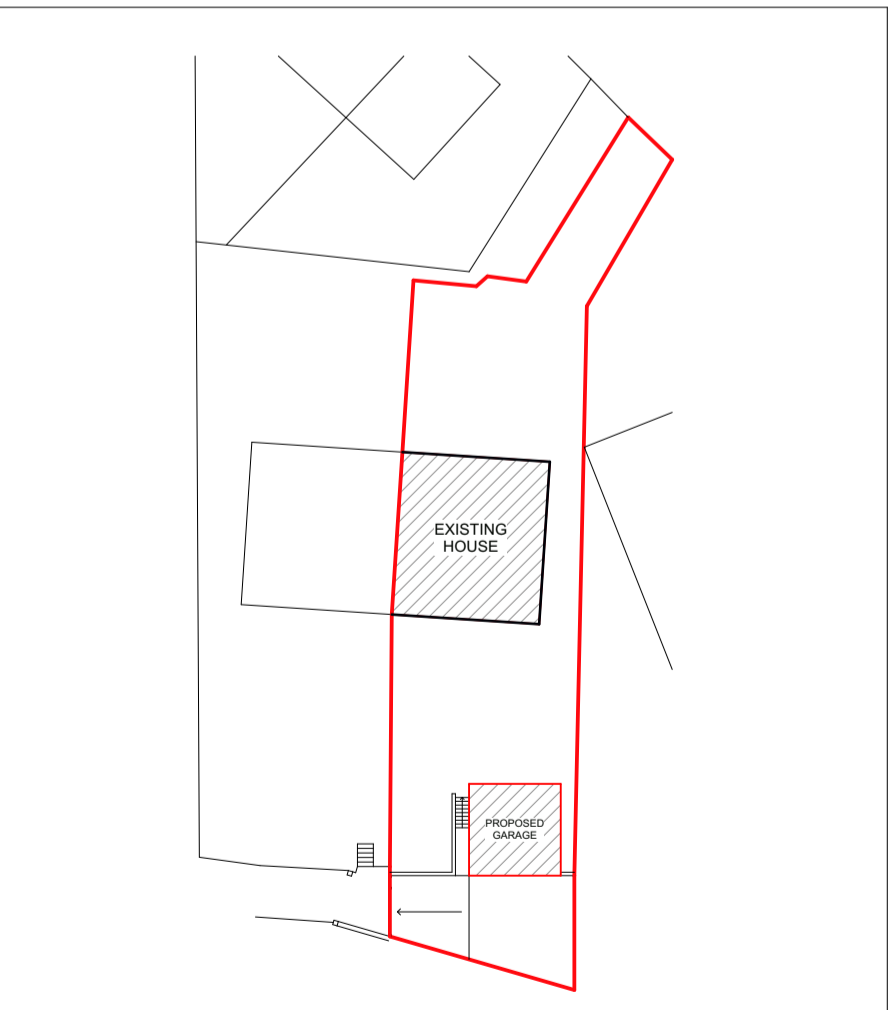
100mm STRUCTURAL CAVITY FULL FILLED WITH CONCRETE AND REINFORCED UP TO EXTERNAL GROUND LEVEL TO ACT AS A RETAINING WALL, ALL TO SE DESIGN.  
 100mm LIGHTWEIGHT BLOCKWORK INTERNAL LEAF eg. TOPBLOCK TOPLITE STANDARD (630 kg/m<sup>3</sup>) OR EQUIVALENT, COMPRESSIVE STRENGTH 3.5 N/mm<sup>2</sup>. GARAGE DOOR REVEALS TO BE CONSTRUCTED USING ROCKWOOL 'ROCKCLOSE' INSULATED CAVITY CLOSERS - DPC'S.

WALLS TO BE EXTERNALLY TANKED BELOW GROUND LEVEL WITH VISQUEEN SELF ADHESIVE TANKING MEMBRANE, ALL IN FULL ACCORDANCE WITH MANUFACTURERS DETAILS AND WRITTEN INSTRUCTIONS.

**FLAT ROOF CONSTRUCTION**  
 ROOF CONSTRUCTION TO COMPRISE:  
 BITUMEN EMBEDDED STONE CHIPPINGS TO A MIN. DEPTH OF 12.5mm, ON HIGH PERFORMANCE ELASTOMERIC FELT ROOF COVERING, ANDERSONS HT350 OR EQUIVALENT, OVER

18mm WBP PLYWOOD DIAPHRAGM, ON 50 x 170mm SW JOISTS AT MAXIMUM 450mm CENTRES (GRADE C24) SET TO FALLS.

**ELECTRICAL INSTALLATION**  
 WHERE UNDER APPROVED DOCUMENT P, CONTROLLED ELECTRICAL WORKS ARE TO BE CARRIED OUT, IT SHALL BE DONE BY AN ELECTRICIAN / INSTALLER WHO IS REGISTERED WITH A COMPETENT PERSONS SCHEME, OR AN ELECTRICIAN REGISTERED WITH A RECOGNIZED TRADE BODY SUCH AS NICEIC, AND CAN ISSUE A DESIGN, INSTALLATION AND TEST CERTIFICATE UNDER BS 7671.



SITE BLOCK PLAN 1:500

**PROPOSED GARAGE TO 55A BANK END ROAD, BARNSELY, S70 4QJ**

Scale: 1:50/100@A1 Date: April 2018

Dwg No: 003 Rev: