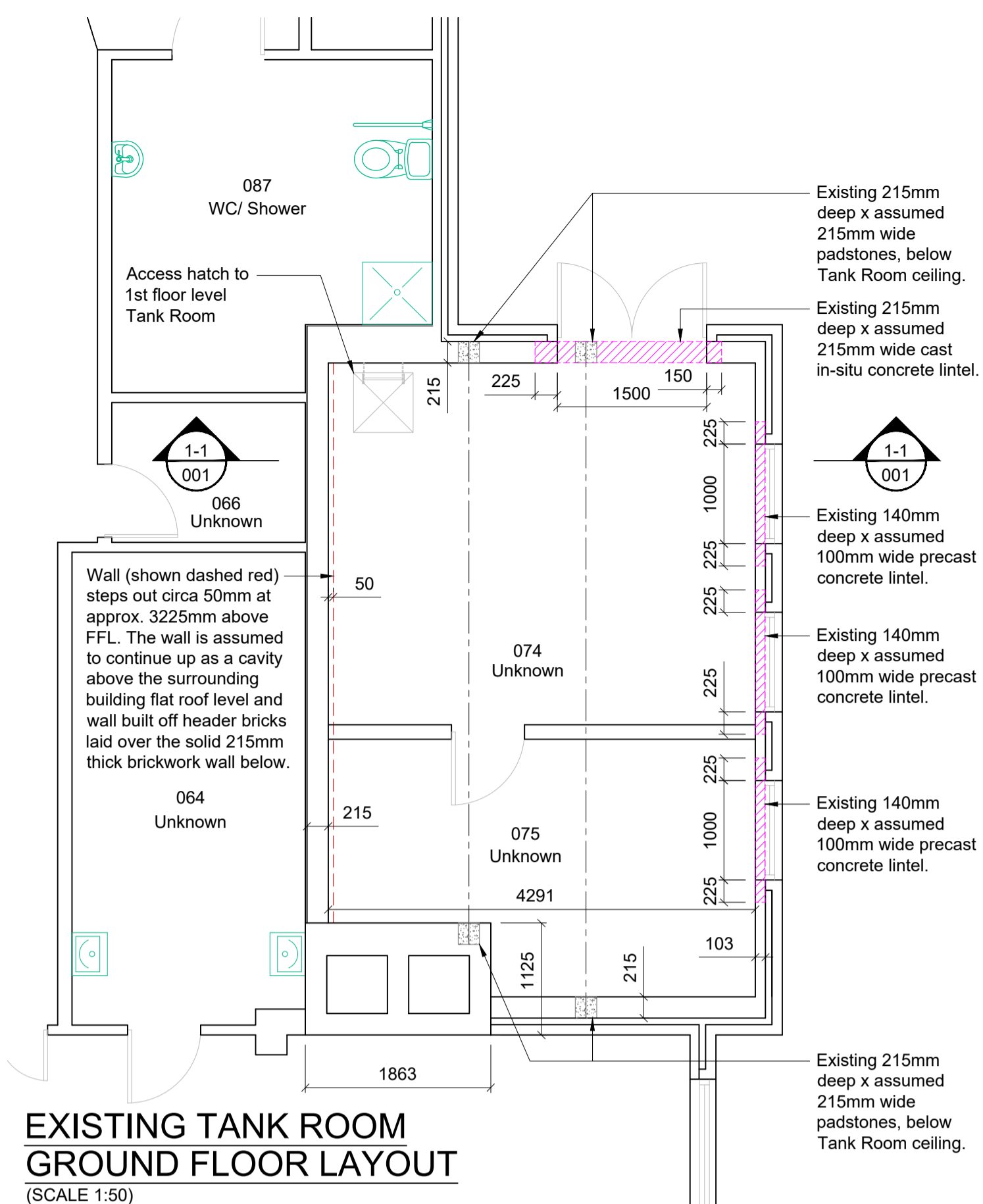


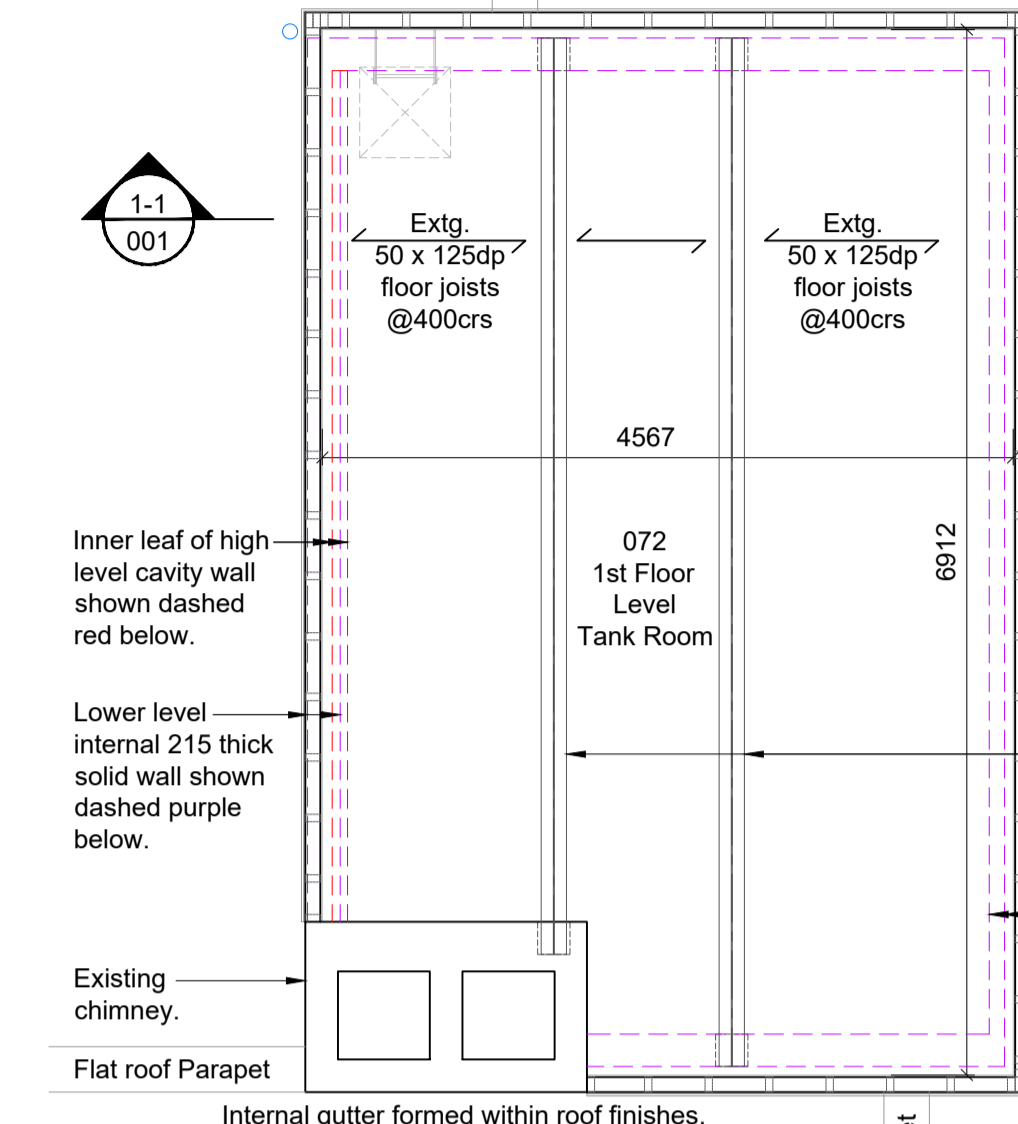
All dimensions to be checked on site prior to commencement of any work  
 \*\*\* DO NOT SCALE FROM THIS DRAWING \*\*\*

**GENERAL NOTES:**

- This drawing is to be read in conjunction with all relevant Architects, M & E Engineers, and specialist sub-contractor drawings, and the specifications.
- Any discrepancies between the Engineers and Architects drawings to be referred to the Architect before proceeding. Dimensions must not be scaled.
- All setting out to be confirmed by contractor on site before fabrication / ordering materials.
- Commencement of any works prior to gaining the necessary local authority approvals is entirely at the clients own risk.
- Any changes to the design carried out without the designers approval may invalidate their liability.
- The Contractor is responsible for the stability of the structure(s) throughout the construction works and must make all necessary provisions for temporary works support and any associated designs.**
- All proprietary metal work fixings (e.g. joist hangers and restraint straps) to be fully fixed in accordance with manufacturers recommendations in order to achieve maximum "Safe Working Loads".
- All bolts to be grade 8.8 between steel to steel fixings and grade 4.6 for timber connections. Bolts with cavity or external connections to be galvanised.
- Allow for strutting between timber rafters and joists as follows:  
 Type: One of the following:  
 - Proprietary metal strutting by BAT or Equal  
 - Solid strutting (noggin) U.N.O. at least 50mm thk grade C24 and same depth as joist depth  
 Fixing: Fix strutting between joists as follows:  
 - Joist spans of 2.5m to 4.5m: One row at centre span.  
 - Joist spans over 4.5m: Two rows equally spaced.  
 Strutting must not project beyond top and bottom edges of joists.  
 - Joist Ends / supports: Block solidly between joist ends / supports.
- Vertical Restraint Strapping over wall plates on inner leaf walls:**  
 Provide 30wd x 5thk x 1200mm lg o/a galv straps bent at 100mm and 200mm over top of wall plate @ max 1.2m crs. 100mm vert leg to be turned down cavity face of inner leaf. Long leg to be plugged and screwed to inside face of inner leaf with min 5No. 4mm dia. x 50mm long cs screws. Min 150mm spacing. Top screw to be min 100mm below u/s of wall plate. Bottom screw to be max 100mm / min 50mm from end of strap.
- Lateral Restraint Strapping between inner leaf walls and new roof joists:**  
 Provide 30wd x 5thk x 1100mm lg o/a galv straps bent at 100mm @ 1200crs. 100mm leg to be turned down and pulled tight against cavity face of internal block work. 100mm horizontal leg to be fully fixed to timber in accordance with mnfrs requirements.  
 Where rafters or joists run parallel to external walls, also provide 50wd x 3/4 joist depth noggin packed tight between inside face of wall and adjacent timber and between next 3 joists / rafters, to suit horizontal length of strap. Noggins to be skew nailed between timbers to suit strap length, horizontal leg of strap to be fully fixed to rafters / joists and noggins in accordance with mnfrs requirements.
- Timber roof joists to be secured to top of inner leaf wall plates using pairs of A35E framing anchors by Simpson Strong-Tie (or equal approved).**
- All washer plates to face of timber members to be min 0.25x bolt dia thick and min 3x dia. of bolt in width.



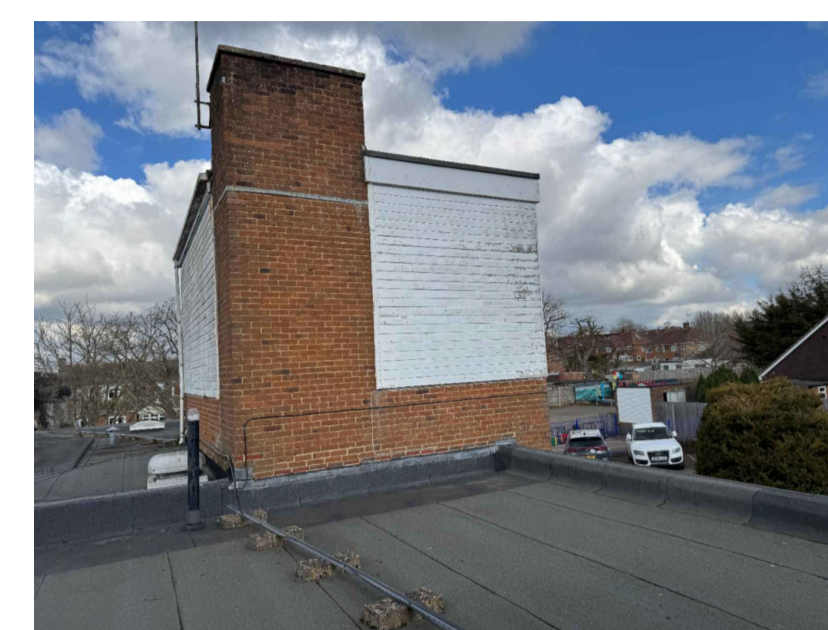
**EXISTING TANK ROOM GROUND FLOOR LAYOUT**  
 (SCALE 1:50)



**EXISTING TANK ROOM FIRST FLOOR LAYOUT**  
 (SCALE 1:50)



**VIEW 1 - North-West View on Tank Room (N.T.S.)**



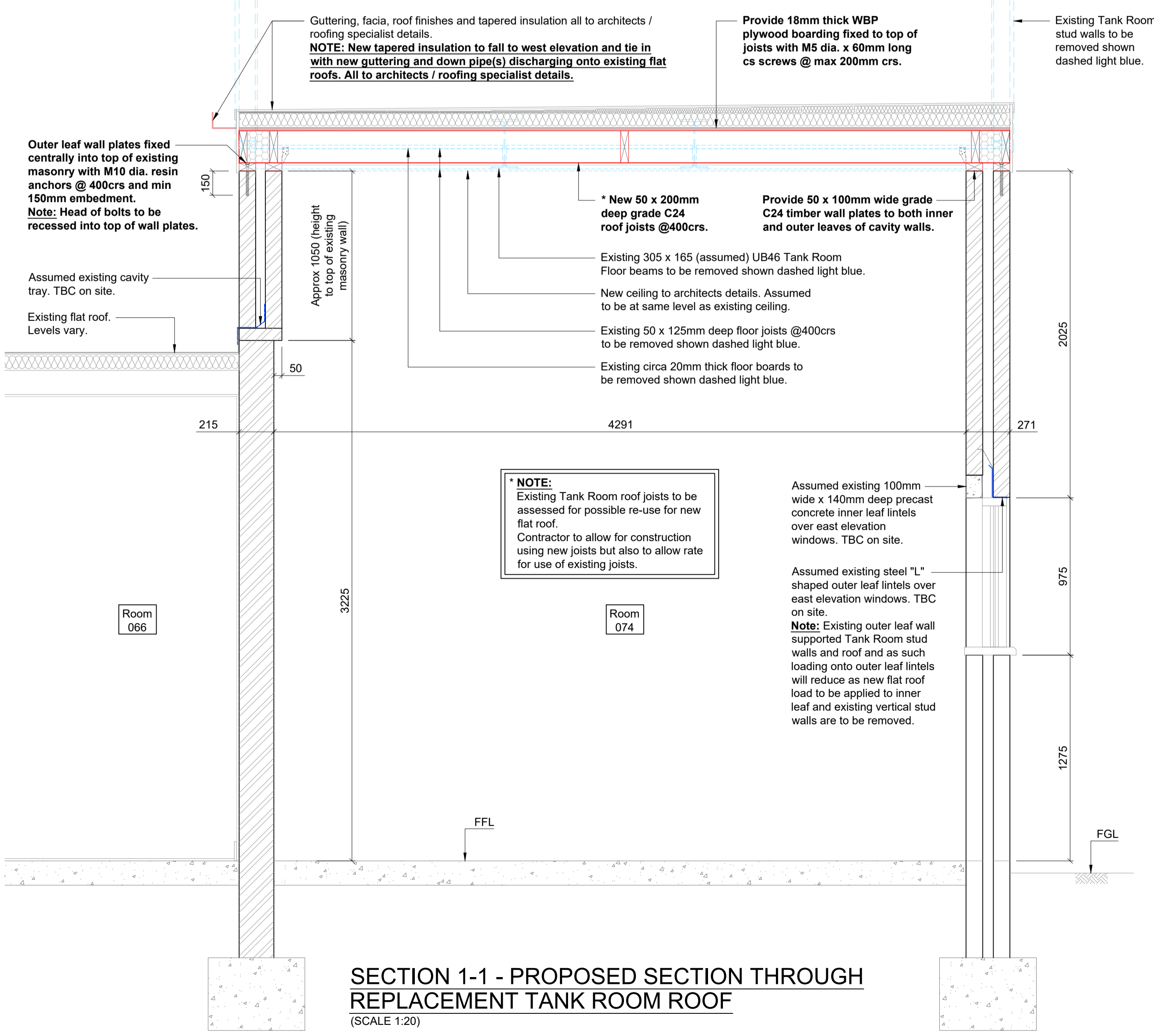
**VIEW 2 - South-West View on Tank Room (N.T.S.)**



**VIEW 3 - North-East View 1 on Tank Room (N.T.S.)**



**VIEW 4 - North-East View 2 on Tank Room (N.T.S.)**



**SECTION 1-1 - PROPOSED SECTION THROUGH REPLACEMENT TANK ROOM ROOF**  
 (SCALE 1:20)

**DEMOLITION NOTES:**

- Existing Tank Room roof and walls and chimney to be removed down to underside of timber cladding level.
- Existing Tank Room floor including ceiling, joists, plates, floor boards and steel beams all to be removed.
- Existing water tanks and tank support framing to be removed.

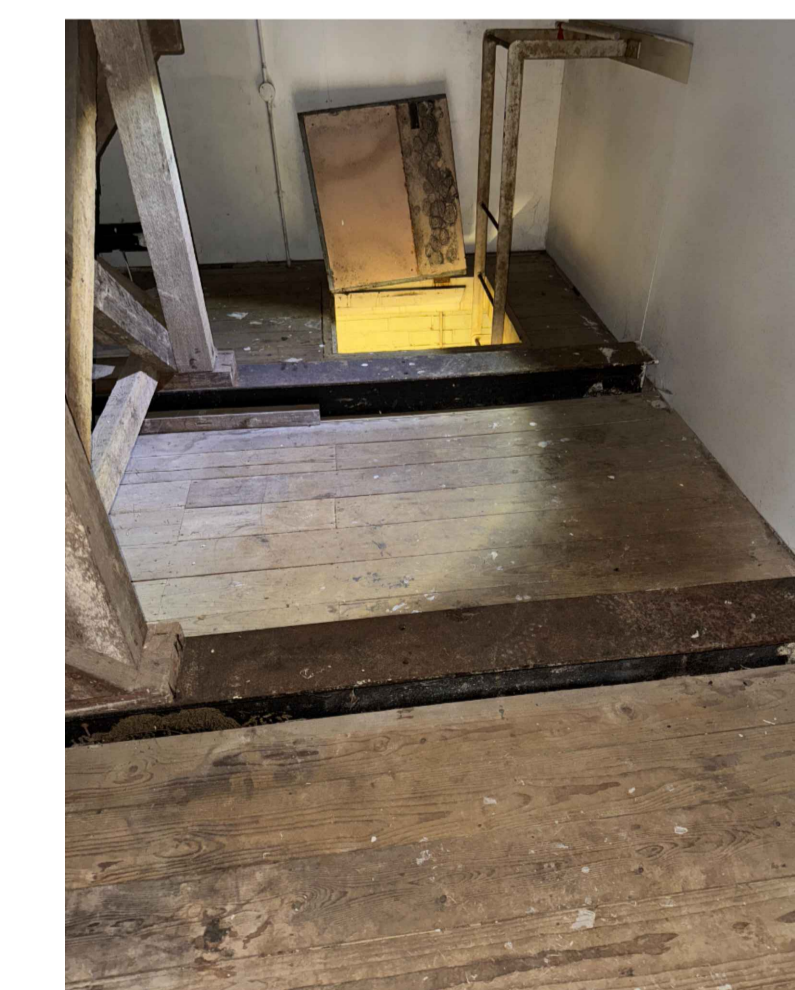
All to project surveyor details.



**VIEW 5 - South-East View on Tank Room (N.T.S.)**



**VIEW 6 - 1st Floor view from south-east corner (N.T.S.)**



**VIEW 7 - 1st Floor towards access hatch (N.T.S.)**

P1	15.04.25	PRELIMINARY ISSUE FOR INFORMATION	AEW
Rev	Date	Revision Details (Amended by)	Approved by
Project			
<b>SOUTHWAY JUNIOR SCHOOL</b> <b>BURGESS HILL</b> <b>RH15 9SU</b>			
Drawing Title			
<b>TANK ROOM ROOF</b> <b>STRUCTURAL LAYOUT</b> <b>AND DETAILS</b>			
Date	APRIL 2025	Scale	AS SHOWN @ A1
Chartered Structural Engineers 27 Hollow Lane Hayling Island PO11 9AA Email: alexewart@arpengineers.com Tel: 07742 071 318			
Design/Survey by	AEW	Drawn by	AEW
Checked by	AEW		
Drawing No	100263-ARP-001		Revision No.
			P1
SURVEY	DESIGN	WORKING DRAWING	
FEASIBILITY	TENDER	RECORD DRAWING	
INFORMATION	★	CONTRACT	A.I.