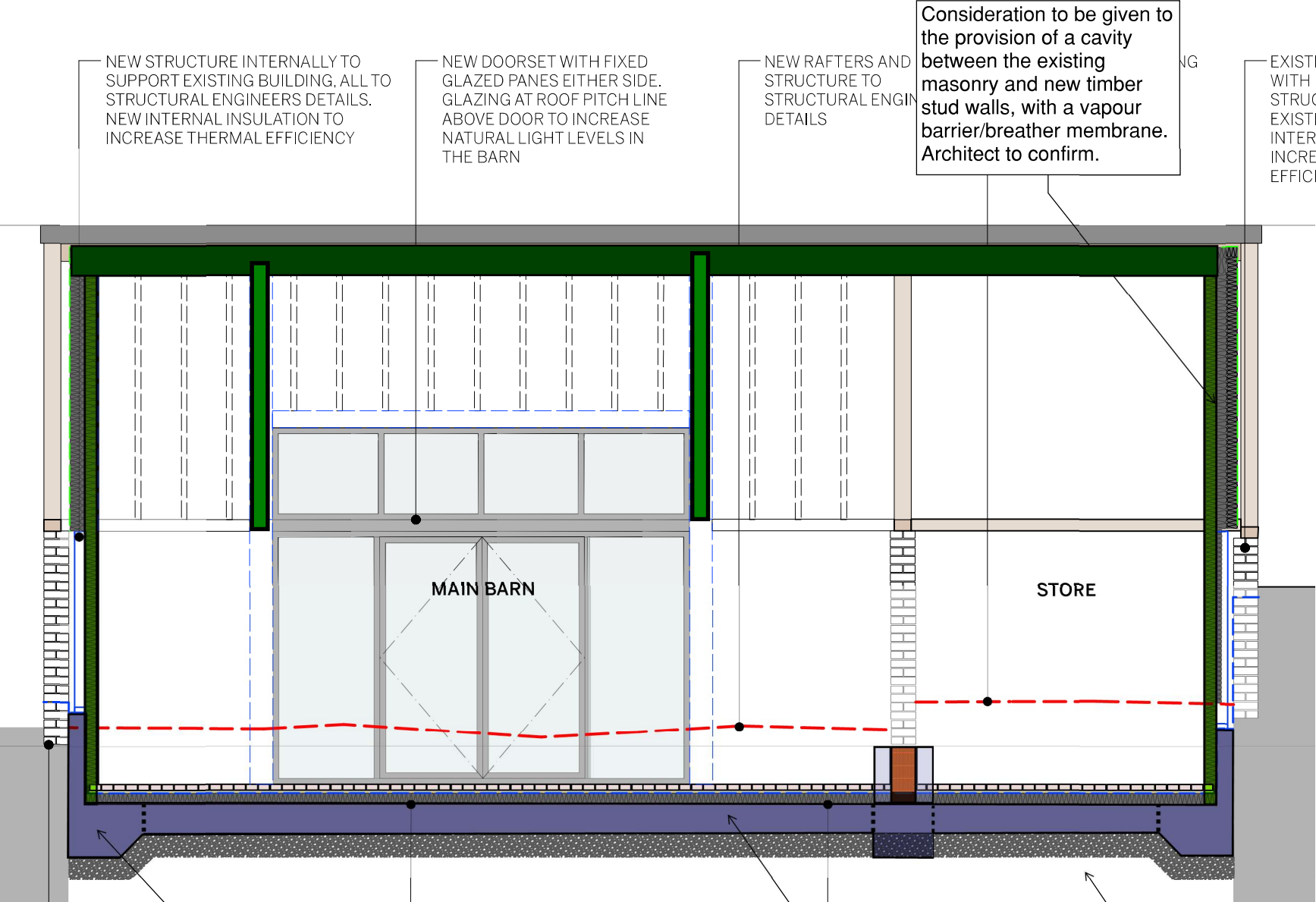


PROPOSED SECTIONS



SECTION AA  
LONGITUDINAL SECTION THROUGH BARN

EXISTING BRICK WALLS TO BE REPAIRED IN LINE WITH STRUCTURAL ENGINEERS REMEDIAL SCHEDULE  
NEW SUPPORTING STRUCTURE INTERNALLY TO INCREASE THERMAL EFFICIENCY

RC retaining wall around perimeter to allow for a dropped floor and to act as foundations to support new timber walls and roof

NEW FLOOR BUILD UP AT LOWER LEVEL, TO GIVE INCREASED HEADROOM INTERNALLY TO BARN

NEW RC RAFT FOUNDATION WITH INTERNAL PERIMETER WALLS APPROX 1M FROM GROUND LEVEL. ALL TO STRUCTURAL ENGINEERS DETAILS

TANKING AND CAREFUL WATERPROOFING DETAILS TO BE UNDERTAKEN TO PREVENT MOISTURE EGRESS TO EXISTING BRICKWORK LEVEL

TANKING AND WATERPROOFING DETAILS TO BE UNDERTAKEN TO PREVENT MOISTURE EGRESS TO EXISTING BRICKWORK LEVEL

RC raft foundation to act as base for new RC retaining walls and to form the ground floor. Perimeter thickenings to be found at approx 1m from ground level to achieve necessary bearing capacities

No new drainage is anticipated, Architect to confirm

Approximate location of the chord of the raised chord trusses. This could be omitted if cranked steel beams are utilised instead.

New timber ridge beam to support cut timber rafters, forming vaulted ceiling

EXISTING RIDGE LEVEL TO BE MAINTAINED

APPROXIMATE EXISTING FLOOR LEVEL

Dashed lined denotes junction between construction sequencing. It is proposed that the retaining walls are constructed first with underpinning sequence around the perimeter, with the slab cast at the end to tie everything together.

Assumed extend of existing retaining wall. Further investigations required to determine ground level and retained height at the rear of the building.

TANKING AND CAREFUL WATERPROOFING DETAILS TO BE UNDERTAKEN TO PREVENT MOISTURE EGRESS TO EXISTING BRICKWORK LEVEL

Structural Scheme Outline - Sections

P25-0738 - 7 The Gardeners

By : ACN

Check : MAB

Ref : SK11

Status : Preliminary

Rev : P2

Date: 13/10/2026



DRAFT



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General Notes  
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2. THIS IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS INFORMATION.  
3. CHECK SITE CONDITIONS PRIOR TO COMMENCEMENT OF WORK  
4. ANY DISCREPANCIES TO BE REPORTED DIRECTLY TO THE ARCHITECT  
5. ALL DIMENSIONS TO BE CHECKED ON SITE.  
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Revisions:  
REV DATE DESC

DRAWN CHECKED