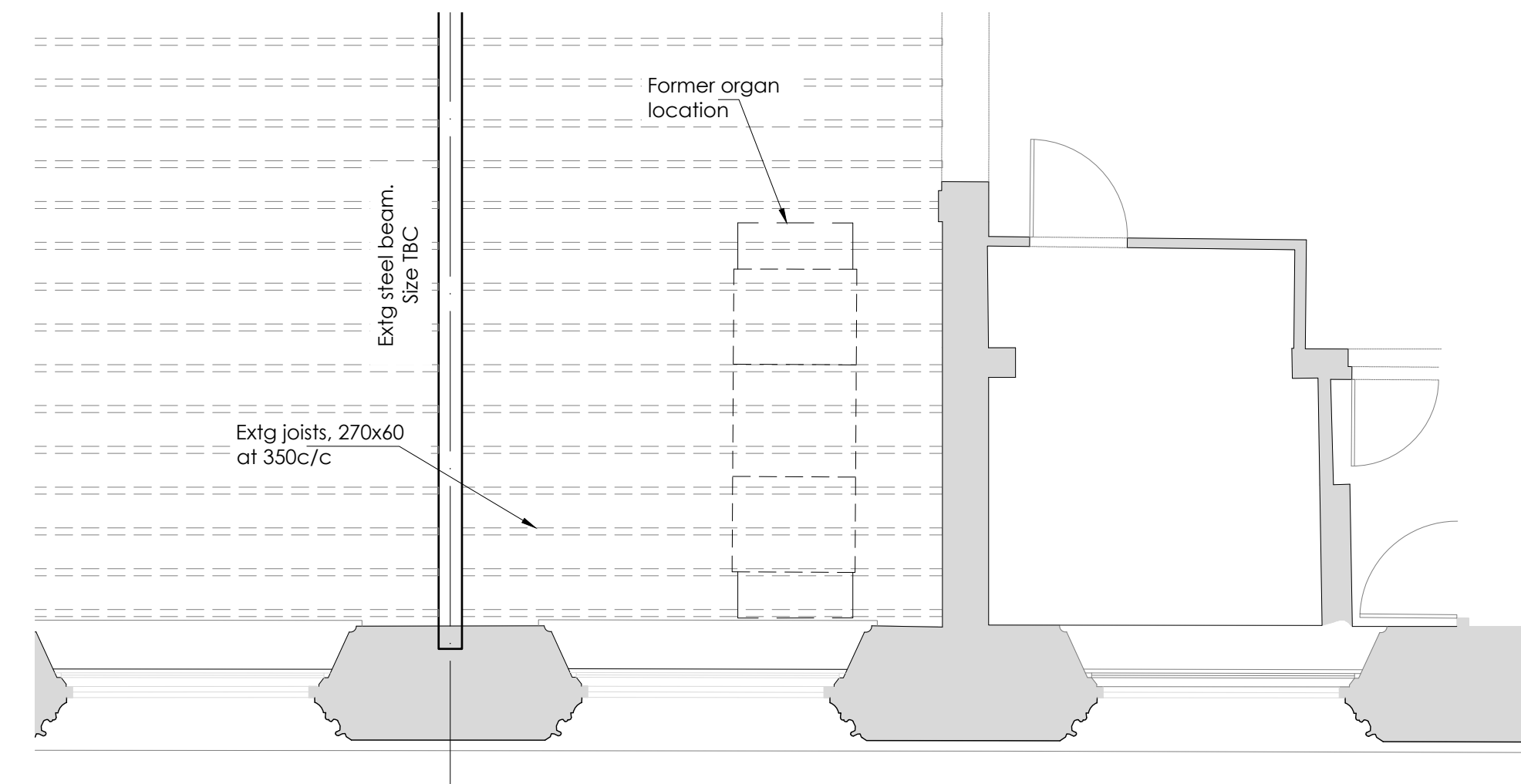
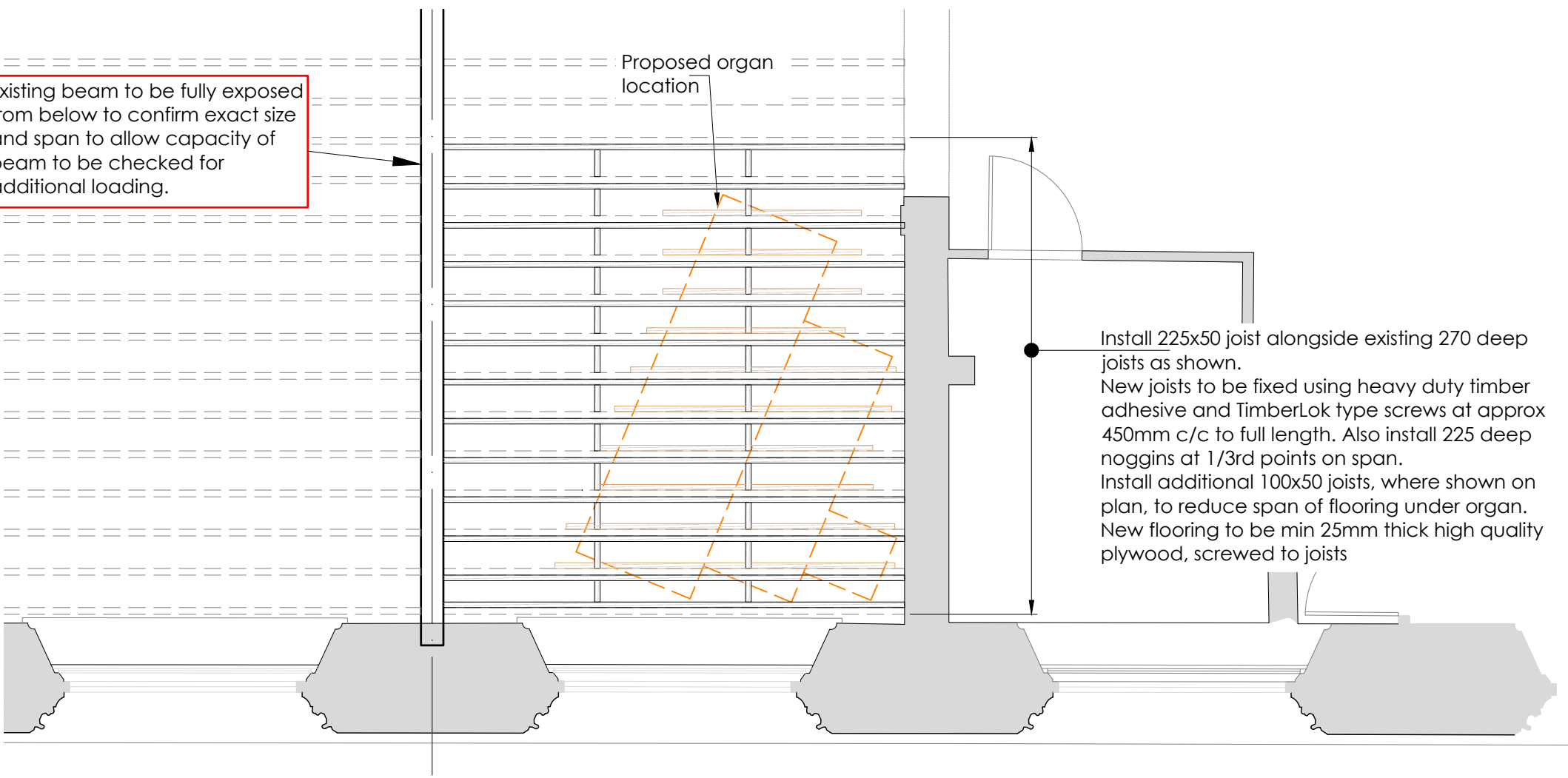


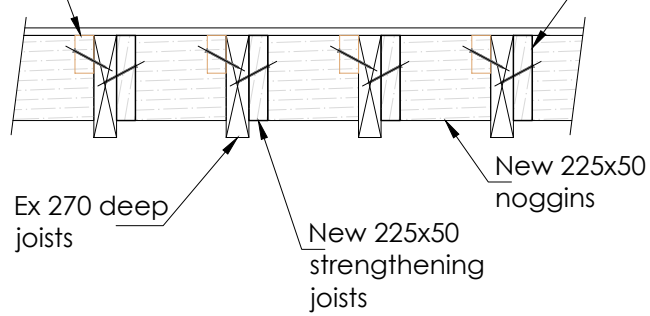


Existing Floor Construction
1:50 at A1



Floor Strengthening Works
1:50 at A1

Install 100x50 joists alongside existing, beneath new organ area only to reduce span of floor boards



Typical Strengthening to Joists
1:20 at A1

Install 225x50 joist alongside existing 270 deep joists as shown. New joists to be fixed using heavy duty timber adhesive and TimberLok type screws at approx 450mm c/c to full length with 225 deep noggins at 1/3rd points on span.

Sequence of Works.

- Strip floor boards to full area and span of ex joists in new organ area.
- Fully clean off sides of extg 270x60 joists, rough sanded if needed, to min 225mm deep from top surface to ensure good adhesion.
- Install 225x50 joist alongside existing joists with high strength wood adhesive spread over full area of contact face to existing, and securely clamp.
- Whilst fully clamped, fix new joists to extg with TimberLok type screws at approx 450mm c/c to full length.
- Install 225 deep noggins at 1/3rd points on span.
- Install 100x50 joists to other side of ex joist under new organ only, as shown on plan, glued & screwed as above, and in between noggins.
- Replace floor with min 25mm plywood screwed down to joists.
- All new joists to be MINIMUM Grade C24 timber.

GENERAL NOTES

Do not scale this drawing.
Contractor to check all dimensions and report all errors and omissions to the Engineer.

- Strengthening works shown on this drawing are based upon new organ proposal by Messrs. William Drake Limited with a total weight of 6420kg.
- All new timber to be MIN Grade C24.

Rev	Detail	By	Auth	Date
Revisions				

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Client
Chethams School of Music

Project
Proposed Replacement Organ
in
Whiteley Hall

Drawing Title
Floor Strengthening Works
to Support New Organ

Drawing Status
preliminary

Project No. DW2347	Discipline S	Drawing No. 01
Scale 1:50 1:20	Sheet Size A1	Revision
Date May22	Drawn	Checked
	Auth	