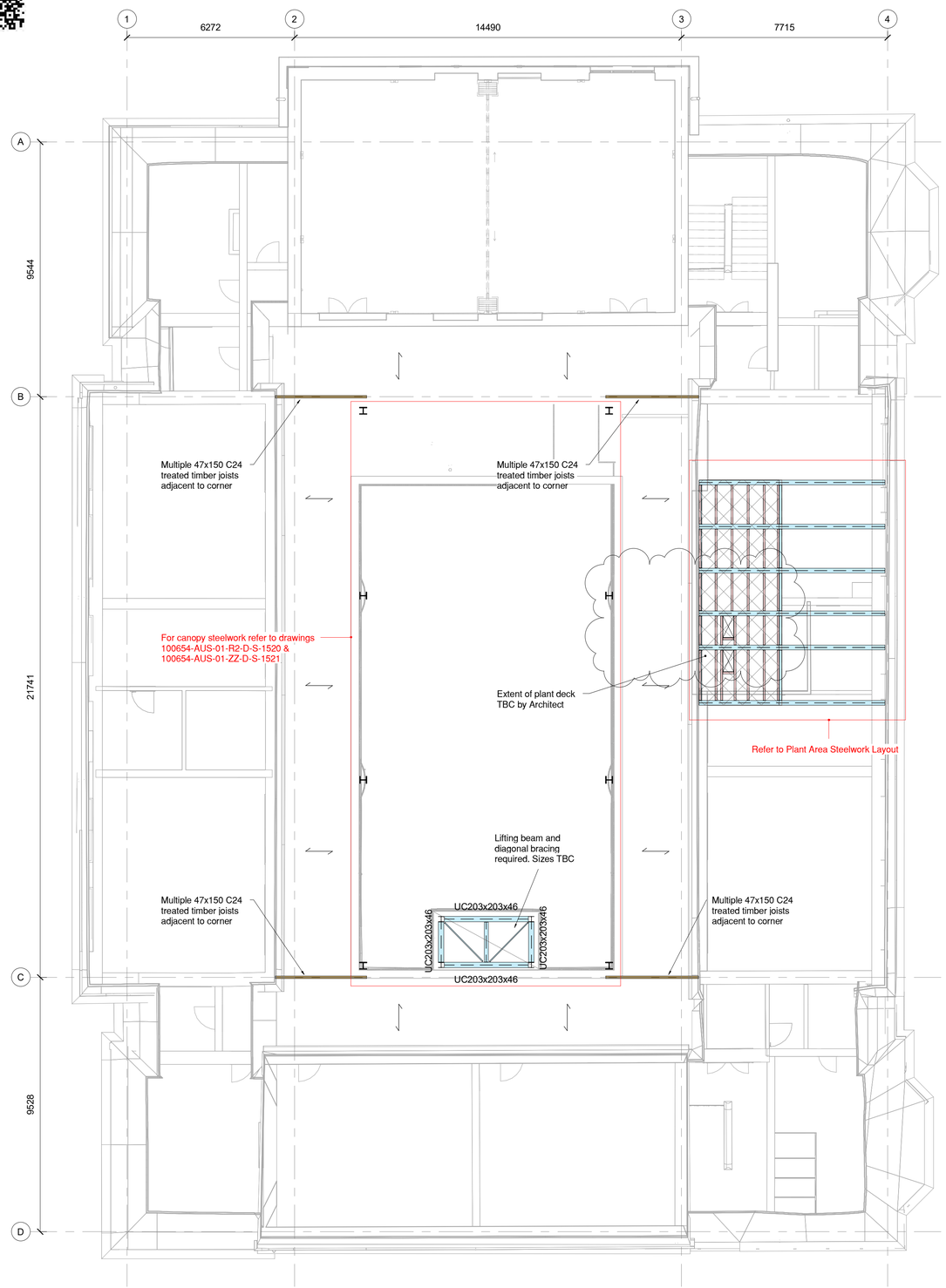
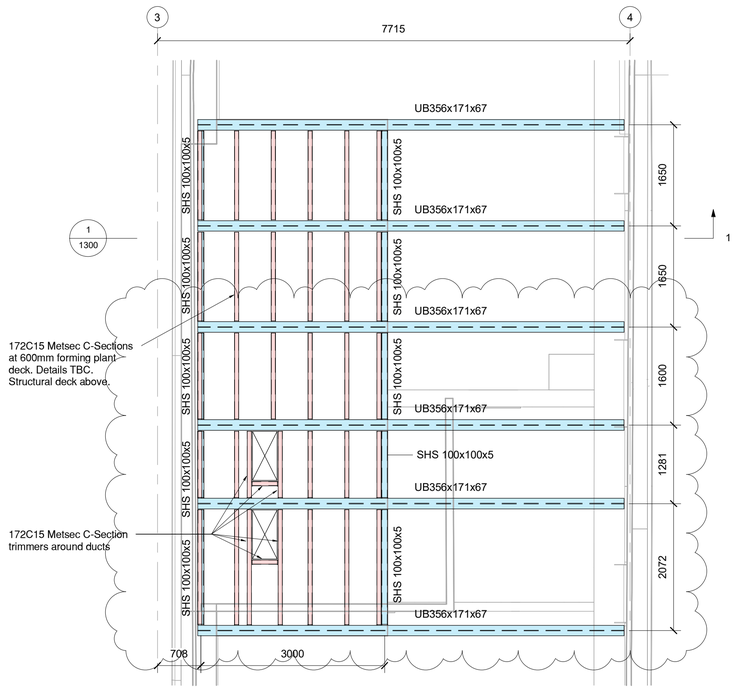
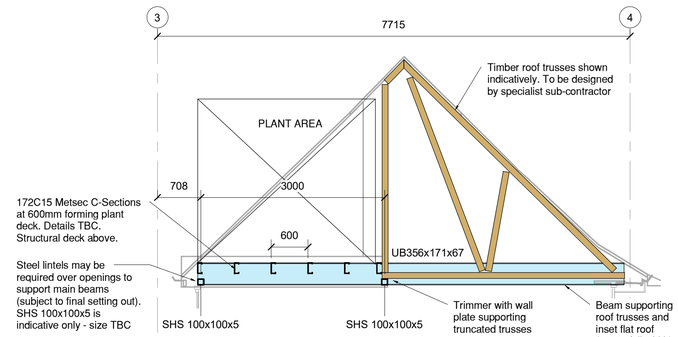


A Flat Roof Layout
1 : 100



B Plant Area Steelwork Layout
1 : 50



1 Section 1-1
1 : 50

0m 5m 10m
1:100

N

NOTES:

1. All dimensions are in millimetres. All levels are in metres.
2. This drawing is not to be scaled use figured dimensions only.

STEELWORK NOTES

1. All structural steelwork drawings are to be read in conjunction with Architects and M&E drawings and any discrepancies reported to the Engineer.
2. Steelwork fabricator to design and detail all connections. Loads will be provided by the Engineer.
3. Prior to any fabrication :
   a. all calculations and details to be approved by the Engineer.
   b. fabricator to produce a full set of detailed drawings for approval.
4. All connections to be capable of resisting the prying force requiredby BS EN 1993 (Eurocode 3)
5. Specification for all structural steelwork to be in accordance with the latest edition of the "National Structural Steelwork Specification the Building Construction" by BSCA.
6. Internal Painting Specification :
   All hot rolled steel to be blast cleaned to SA2½ and coated with 25 microns (DFT) Epoxy Zinc Phosphate pre-fabrication primer and 75 microns (DFT) High build Zinc Phosphate post-fabrication primer. All damaged steel to be made good to the Engineers satisfaction. Primer & Finishing colourto Architects specification.
7. Exposed Steelwork Painting Specification :
   All structural steelwork to be hot dip galvanised to BS.EN.ISO. 1461:2009.
8. Steelwork fabricator to be solely responsible for temporary work and the erection of structural steelwork.
9. Unless otherwise noted :
   a. all hot rolled steel to be grade S355(5) to EN10025:2004.
   b. all welds to be 8mm continuous fillet welds.
   c. all bolts for hot rolled sections to be grade 8.8.
10. All wall restraining members and window trimmers to have slotted connections and countersunk bolt fixings.
11. All steelwork which is encased in blockwork and within the cavity to have two coats of R.I.W. bitumastic paint up to top of blockwork.
12. Proprietary fixings to be used between steelwork columns and masonry walls at 225mm vertical centres, where applicable incorporating neoprene washers.
13. All steelwork below S.S.L. to be encased in 100mm thick RC28/35 concrete reinforced with D49 wrapping fabric.
14. Where boundary conditions apply fabricator to allow for design of steelwork connections accordingly.
15. For location of all roof and side mounted plant refer to the M&E drawings.
16. These notes are applicable to all structural steelwork drawings.
17. Extent and specification of fire protection to structural steelwork by others.

Detailed structural design subject to further exploratory works/intrusive investigations (following safe removal of asbestos), confirmation of proposed load path and existing structure.

Detailed scope of remedial works to existing structure (including crack stitching to masonry walls and repairs to first floor slab) to be finalised following further site investigations.

KEY:

Indicates span of 47x150 C24 treated timber joists at 400mm centres

CDM BOX
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

CONSTRUCTION

Demolition works only to proceed following approval of temporary works installation, in accordance with temporary works design.

Demolition works to be undertaken in a controlled top-down manner, by an experienced and competent demolition contractor following a detailed method statement.

Contractor to be aware of potential asbestos within the existing building. Seek approval from the specialist prior to undertaking any intrusive works.

Contractor to ensure existing structures are not undermined during any excavations works, all underpinning to be constructed in accordance with the specified sequencing.

The ground investigation report (Ref:784-B071864, by Tetra Tech) states that groundwater was encountered between 2.77m and 3.43m below existing ground level. Also, elevated concentrations of potential contaminants have been recorded from soil samples taken from site when compared to a public open space end user scenario.

MAINTENANCE/CLEANING

Overgrown vegetation to be managed as part of routine maintenance, to avoid future damage to structure.

DECOMMISSIONING/DEMOLITION

Structural steelwork members/floors/roof/loadbearing masonry walls are not to be removed/modified without written permission from a suitably qualified structural engineer.

Revision	Description	Checked	Date	Drawn
P02	Access hatch removed. Plant area steelwork updated	AW	24/09/25	JR
P01	RIBA Stage 3 Co-ordination Issue	AW	10/09/25	JR

AustinPartnership
Civil & Structural Engineering Consultants

Client: Tilbury Douglas

Job Title: EDUCATION LIBRARY & RESOURCE CENTRE

Drawing Title: FLAT ROOF LAYOUT

Scale: As indicated

Job No: 100654
Drawing No: 1300

BIM Level 2 File Name: 100654-AUS-01-R2-D -S-1300

Work Stage: RIBA Stage 3
Status: S4
Rev: P02

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