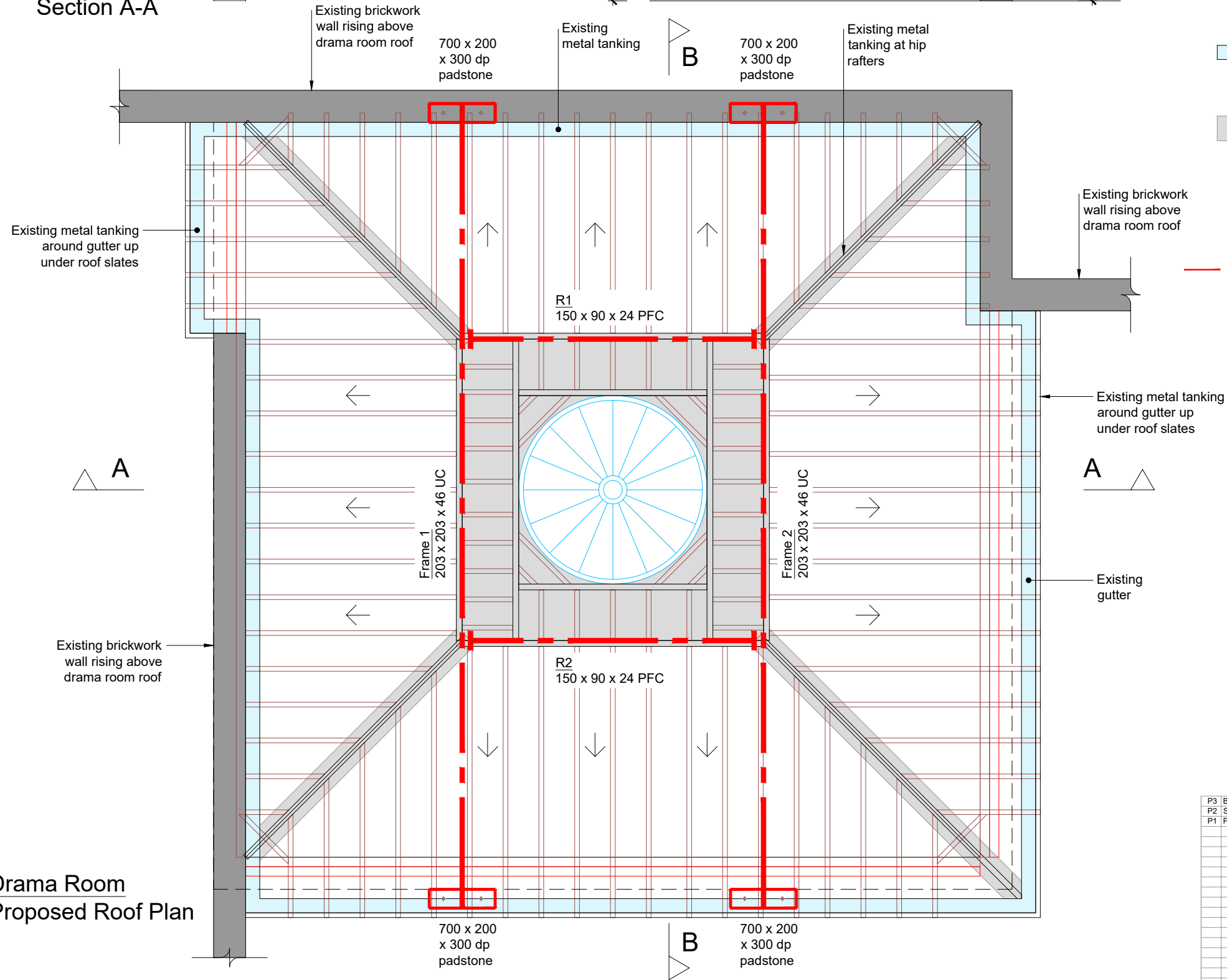


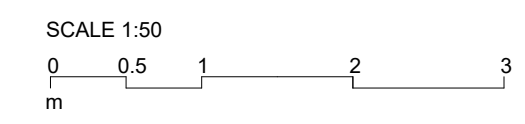
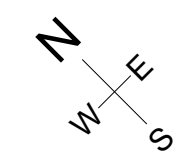
**Drama Room
Section A-A**



**Drama Room
Proposed Roof Plan**

Legend

- Existing timber rafter 150 x 50mm
- Existing hip rafter 175 x 62mm
- Existing gutter
- Existing metal tanking (waterproofing)
- Existing wall plate and timber packing
- proposed steel beams



General Notes

- 1) All Dimensions are in millimeters unless otherwise noted.
- 2) All steel to be Grade 43A.
- 3) All steelwork painted with 1 coat of Red Oxide at the fabrication works and 1 coat on site after erection. Each coat with a dry film thickness of not more than 50 microns. Steelwork to be encased in concrete shall be unpainted.
- 4) Provide minimum 1 hour fire protection to steelwork.
- 5) The concrete mix for Padstones shall be a 1:4 mix.
- 6) Brickworks shall be constructed using bricks with a minimum crushing strength of 27.5N/mm² and blockwork shall be constructed using blocks with a minimum crushing strength of 2.8N/mm² unless otherwise noted. All masonry shall be laid in class(iii) Mortar
- 7) All new structural timbers shall be grade C16 To BS5268 unless otherwise noted and shall be treated with an approved timber preservative, including cut ends and notches.
- 8) Do not scale off this drawing other than for planning purposes.
- 9) No beams/bearings are directly supported on chimney breast brick wall.
- 10) All bolts Grade 8.8 M16 bolts unless otherwise stated.
- 11) Concrete mix shall be grade 35k, giving a minimum crushing strength of 35N/mm² at 28 days. Use 20mm aggregate and sulphate resisting cement.
- 12) The dry-packing shall consist of 1 parts by volume of rapid hardening Portland Cement and 3 parts sharp sand, or non-shrink cementitious grouting.

FOR LISTED BUILDING CONSENT

P3 Beams R1 & R2 amended	18.04.24	AA			
P2 Steel beams added.	22.03.23	PE		Client	DUFFY ASSOCIATES BUILDING · ENGINEERING · DESIGN
P1 Preliminary issue	XX.10.23	PE		Hampton Court House School	76 New King's Road · London · SW6 4LT T 0207 042 8290 · declanduffy@duffyassociates.co.uk
				Drawing title	Scale 1:50 (A3)
				Drama Room - Proposed Roof structure plan and section A-A	Date OCT 2023
					Drawing Number 2425.S101
					Drawn By PE
				Property	Figured dimensions only to be taken from this drawing. Any errors or omissions to be reported to the Architect/Engineer.
				Hampton Court House School	Copyright retained by DUFFY ASSOCIATES LTD