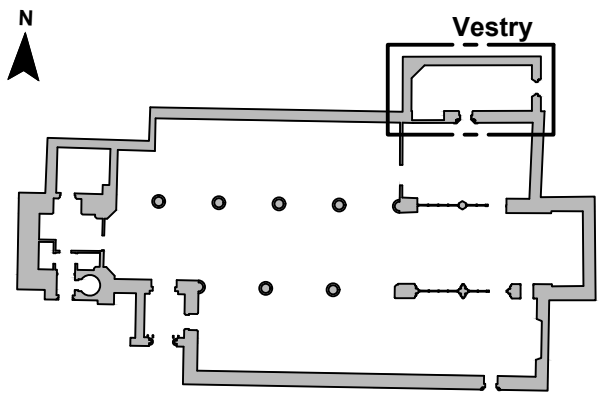
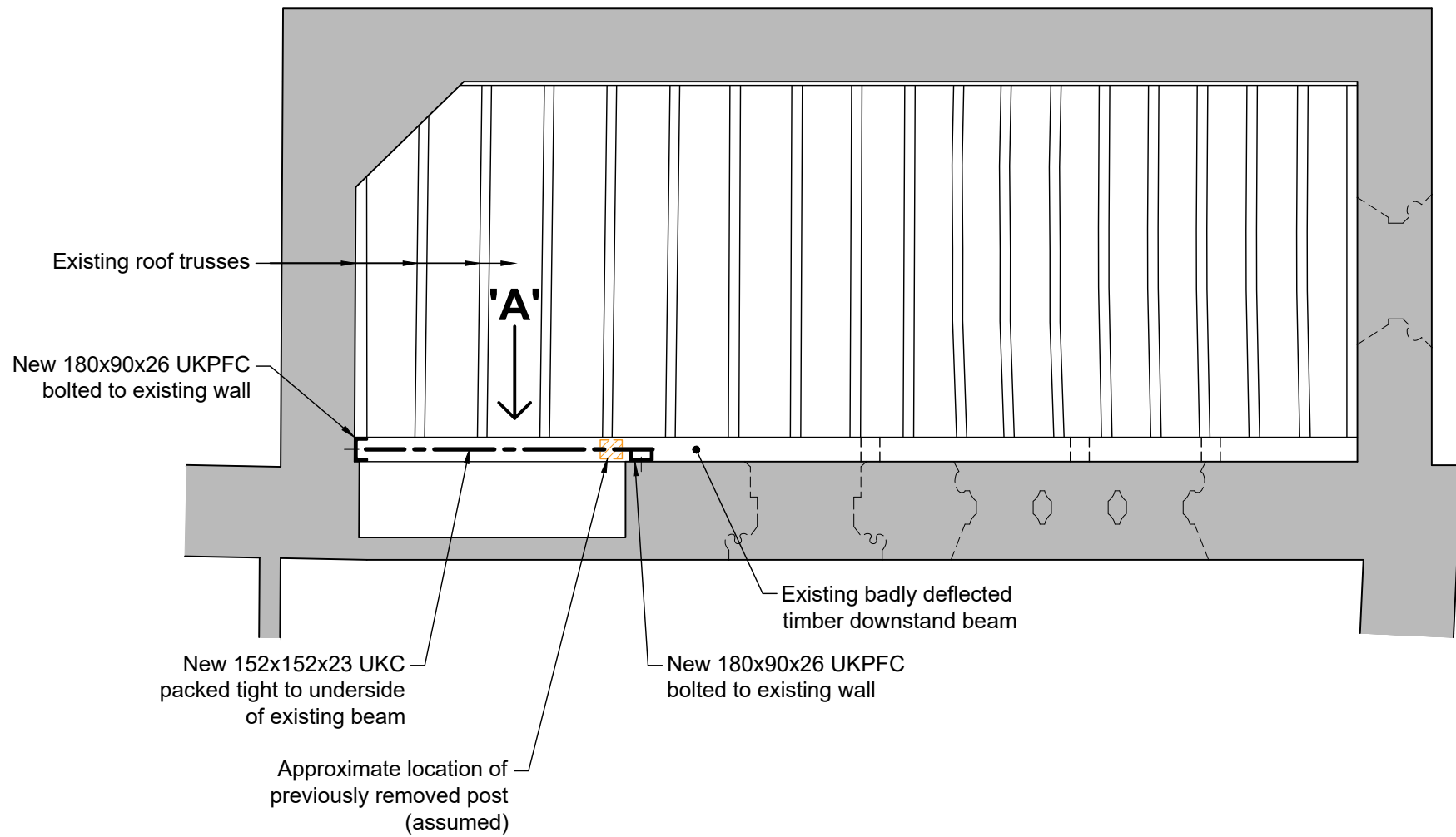
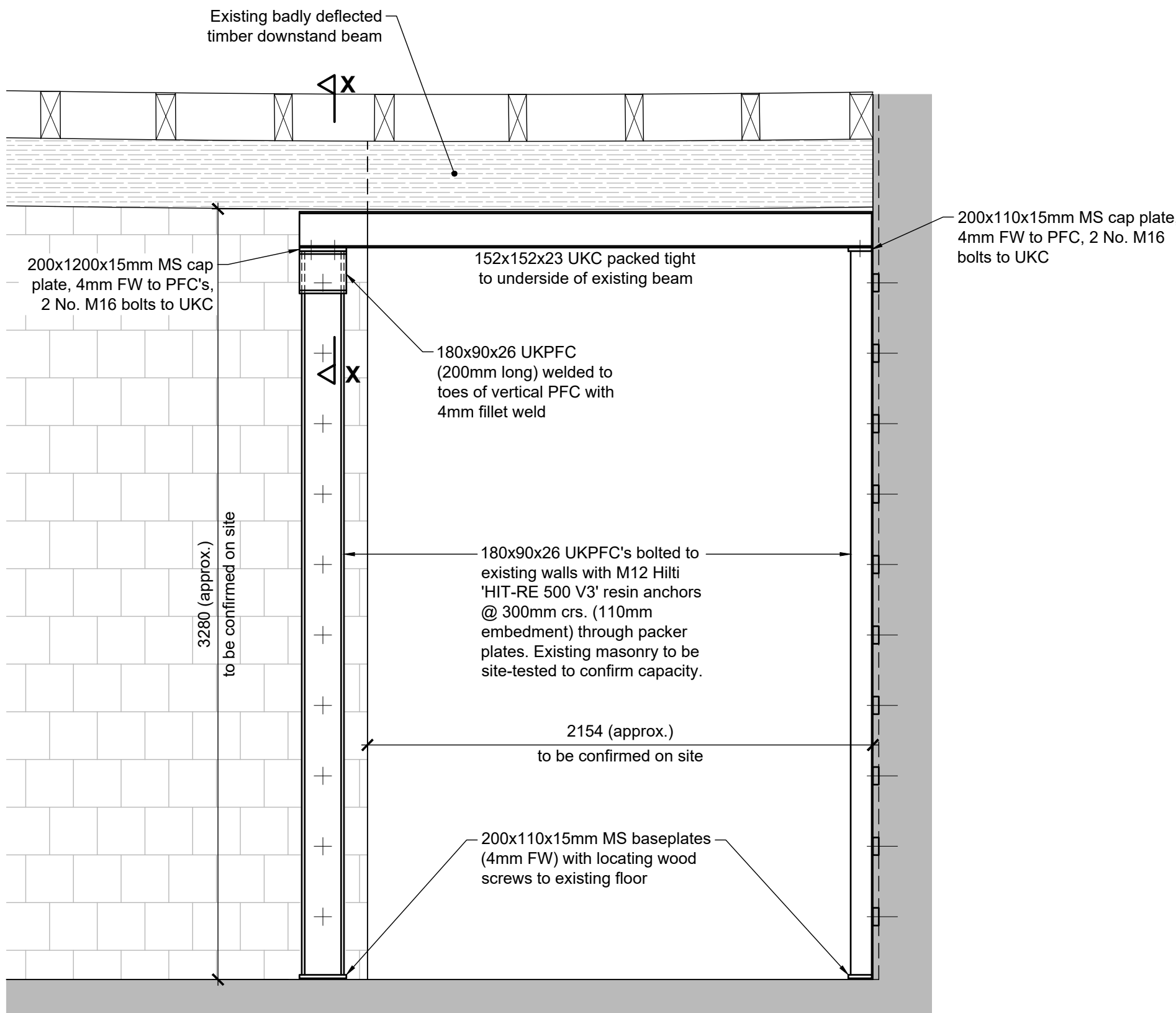




KEY PLAN
(1:500)



PLAN AT VESTRY CEILING LEVEL
(1:50)



ELEVATION 'A'
(1:20)

GENERAL NOTES

1. Structural drawings to be read in conjunction with the preliminaries, relevant specifications, architectural and services drawings, including approved builderswork drawings. Contractor to notify Architect of any discrepancies between structural drawings and specifications or other drawings as soon as they arise.
2. Before related work commences, the Contractor shall submit all method statements and sequence of works to the Architect, in accordance with the preliminaries/specification and Health & Safety Plan.
3. All dimensions are in millimetres unless noted otherwise.
4. Do not scale from the printed drawings or the computer digital data. Use figured dimensions only.
5. Refer to Architect's drawings for setting out dimensions not shown on structural drawings.
6. Structural levels where noted are in metres and are related to Ordnance Datum (unless noted otherwise). Structural slab level (SSL) is the top surface level of the concrete slab immediately adjacent to a vertical support.
7. All specified products may be replaced with similar products approved by the Structural Engineer. The contractor shall submit all documentation/ calculations to demonstrate the suitability of any substitute product.
8. The Contractor shall be responsible for the design, fabrication, erection and removal of all temporary works and shall provide all temporary bracing and back propping necessary to maintain structural stability during construction.
9. New steelwork to be clad in timber and stained to match existing timbers.

ON-SITE VERIFICATION OF DIMENSIONS

1. Contractor to carry out on site survey of all pertinent dimensions prior to fabrication and installation of all new steel work.
2. Survey works to be undertaken after existing roof tiles have been removed for roof repair works, but prior to reinstallation of tiles to ensure deflected timber beam is as close to original level as possible.

STEELWORK INSTALLATION METHOD STATEMENT

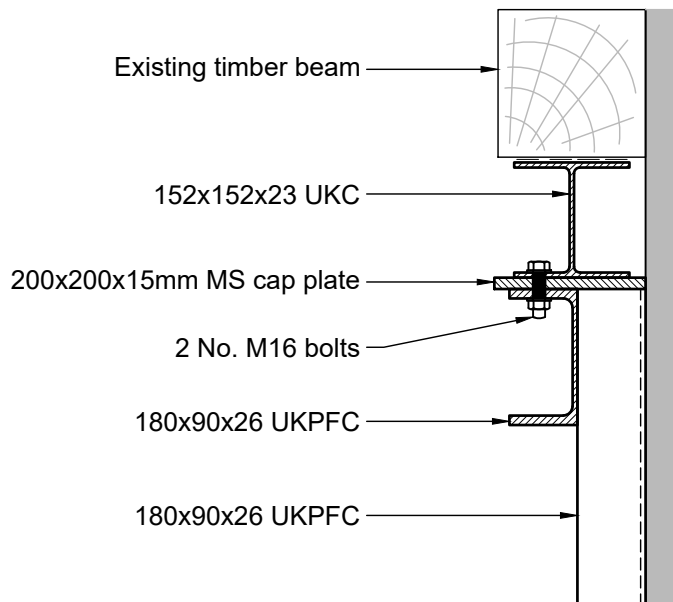
1. Contractor to remove localised finishes on both walls that PFC is to be fixed to to confirm optimum location of new anchors (central to all stones).
2. Holes to be drilled through PFC web to match locations.
3. PFC supports and new support beam to be installed tight to the underside of the damaged timber beam.
4. PFC to be fixed tight to masonry walls with packers as appropriate, lined and levelled and bolted to base slab.
5. Support beam bolted to header plates of PFC.
6. Fully pack and shims to be installed between new steel beam and existing timber beam.

PULL OUT TESTING OF ANCHORS

Prior to installation works beginning the Contractor will be required to carry out preliminary load testing to BS 8539 to confirm pull out capacity.

Load testing to 150% of applied load (0.31kN) to be applied to locations adjacent to new installations (1 No. each wall).

Testing to be performed by competent third party specialist.



SECTION X-X
(1:10)

STEELWORK NOTES

1. The following notes to be read in conjunction with all relevant architectural, services and structural drawings. All dimensions and levels to new structure, H.D. bolts, cast-in connections etc. to be verified on site by the steelwork contractor prior to the commencement of fabrication.
2. Contractor is to submit fully dimensioned fabrication drawings including relevant plans, details and sections for approval prior to fabrication.
3. Before preparing detailed fabrication drawings:
 - Submit calculations for all major connections.
 - Submit general arrangement drawings with individual steel members clearly identified.
4. An allowance of 10 working days should be made within the Contractors programme for the CA to comment on contract drawings prior to fabrication commencing.
5. The Contractor shall be responsible for the design of all connections to the loadings stated on the steelwork drawings, including new steel to new steel connections and new steel to reinforced concrete, including any cast-in requirements.
6. Contractor is responsible for checking existing connections identified on drawings. These are to be site measured and calculations carried out to justify proposed loads. Survey information and calculations to be submitted to Engineer before fabrication of new steelwork.
7. The Contractor is to submit full calculations and details for connections prior to fabrication.
 - All connections to be designed to the requirements of BS EN 1992 and BS EN 1993 where relevant.
 - All bolts to be grade 8.8 to BS 3692
 - Minimum bolt diameter to be 16mm
 - Beam end plate connections - 4 bolt minimum (U.N.O.)
 - Bracing gussets - 2 bolt minimum (U.N.O.)
 - All bolts, nuts and washers to be galvanised in accordance with the specification.
9. Holding down bolts shall be a minimum of 24mm diameter grade 8.8 square shank, with 100mm square x 10mm thick anchor washers. All in accordance with BS 7419.
10. Prior to production of fabrication drawings the Contractor shall ensure that connections and details are compatible with architectural requirements with respect to appearance and proximity of finishes/cladding.
11. No cutting or site welding shall take place unless indicated clearly on the drawings or already approved in writing by the Structural Engineer.
12. Coating of steelwork and fixings shall be in strict accordance with manufacturers recommendations. Reinstatement of coating to erected on site steelwork shall be in strict accordance with the specification and in accordance with manufacturer's recommendations.
13. Primary steelwork within 40mm of external leaf in cavity walls is to receive two coats of bitumastic paint.
14. After erection on site all areas of damaged primer and all bolts shall be adequately cleaned and full specified paint system applied.
15. Columns and base plates shall be accurately machined over the bearing surfaces to ensure full contact throughout.
16. All holes in structural hollow sections for service fixings etc. To be sealed with watertight sealing washers.
17. Underplate grouting is to be carried out strictly in accordance with the recommendations of Fosroc Ltd. Reference should be made to these recommendations to determine formwork layout, grout consistency and fluid head necessary to achieve adequate flow. The proposed method of underplate grouting is to be submitted to the Structural Engineer for approval.
18. A minimum number of 3 full threads is to pass through the nut on all bolted connections.
19. Where shim plates are used at connections these are to be tack welded in place.
20. The maximum thickness for packing or shimming connections is 12mm.
21. All welding to take account of heat build-up and ensure that the steel does not distort.
22. All steelwork to be fabricated and erected in accordance with the Structural Steelwork Specification (NSSS).
23. All steelwork to be CE marked in accordance with the relevant standards.

C01 Construction issue. AC BMC BMC 24.12.25

Rev	Description	By	Chk	App	Date
Purpose of Issue : CONSTRUCTION					Status Code : A4

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Project : **St. Peter's Church
Caversham**

Drawing : **Vestry Beam Remedial Works**