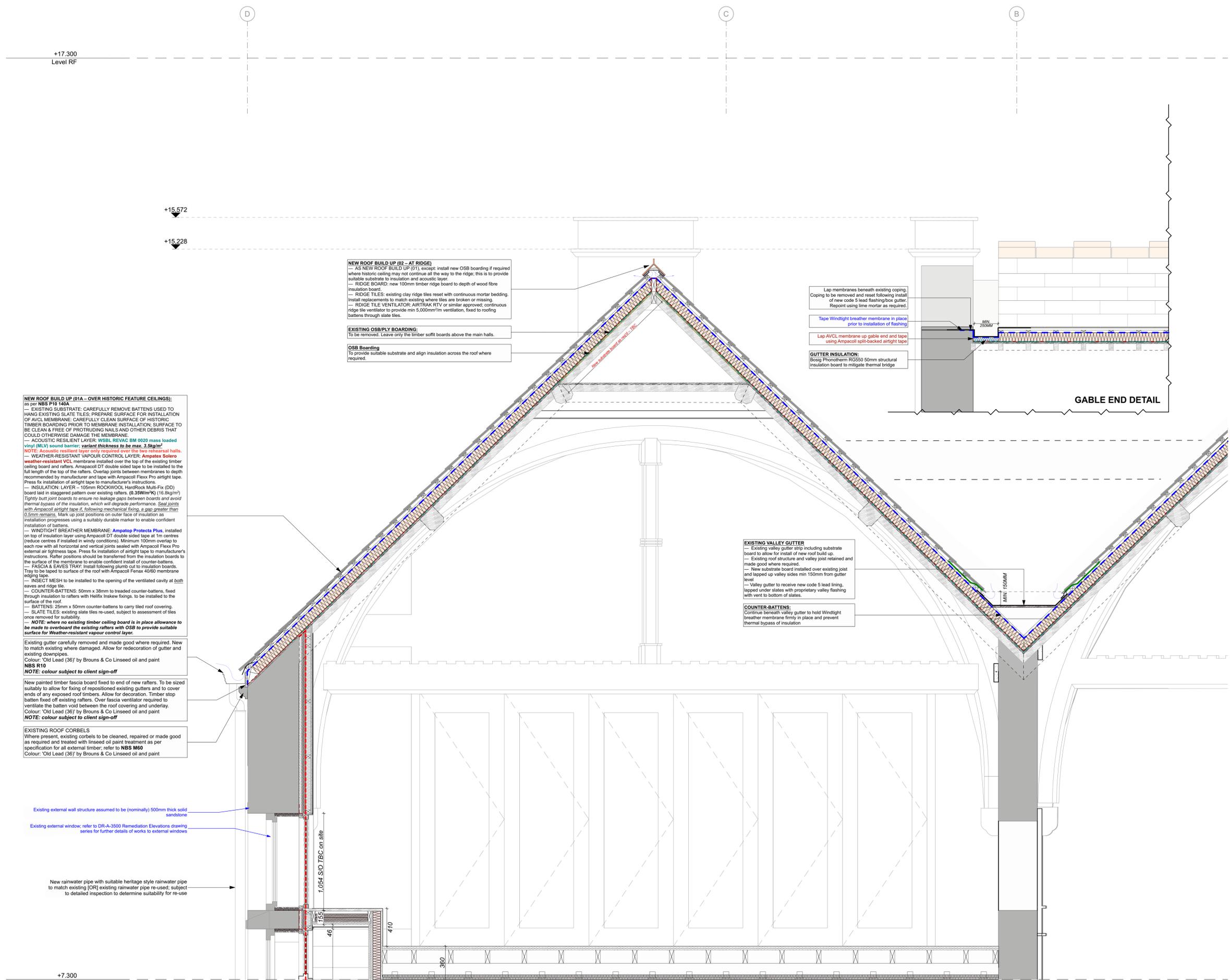
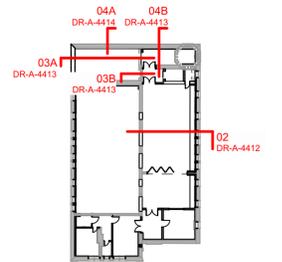


<b>Key plan</b>	<b>North</b>
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**NEW ROOF BUILD UP (02 - AT RIDGE)**  
 — AS NEW ROOF BUILD UP (01), except: install new OSB boarding if required where historic ceiling may not continue all the way to the ridge; this is to provide suitable substrate to insulation and acoustic layer.  
 — RIDGE BOARD: new 100mm timber ridge board to depth of wood fibre insulation board.  
 — RIDGE TILES: existing clay ridge tiles reset with continuous mortar bedding. Install replacements to match existing where tiles are broken or missing.  
 — RIDGE TILE VENTILATOR: AIRTRAK RTV or similar approved; continuous ridge tile ventilator to provide min 5,000mm<sup>2</sup>/m ventilation, fixed to roofing battens through slate tiles.

**EXISTING OSB/PLY BOARDING:**  
 To be removed. Leave only the timber soffit boards above the main halls.

**OSB Boarding**  
 To provide suitable substrate and align insulation across the roof where required.

Lap membranes beneath existing coping.  
Coping to be removed and reset following install of new code 5 lead flashing/box gutter. Report using lime mortar as required.

Tape Windtight breather membrane in place prior to installation of flashing

Lap AVCL membrane up gable end and tape using Ampacoll split-backed airtight tape

**GUTTER INSULATION:**  
 Bosig Phonotherm RG550 50mm structural insulation board to mitigate thermal bridge

**GABLE END DETAIL**

**NEW ROOF BUILD UP (01A - OVER HISTORIC FEATURE CEILINGS):**  
 as per NBS P10 140A  
 — EXISTING SUBSTRATE: CAREFULLY REMOVE BATTENS USED TO HANG EXISTING SLATE TILES; PREPARE SURFACE FOR INSTALLATION OF AVCL MEMBRANE; CAREFULLY CLEAN SURFACES OF HISTORIC TIMBER BOARDING PRIOR TO MEMBRANE INSTALLATION; SURFACE TO BE CLEAN & FREE OF PROTRUDING NAILS AND OTHER DEBRIS THAT COULD OTHERWISE DAMAGE THE MEMBRANE.  
 — ACOUSTIC RESILIENT LAYER: WSBL REVAC BM 0020 mass loaded vinyl (MLV) sound barrier - *variant thickness to be max. 2.5kg/m<sup>2</sup>*  
 NOTE: Acoustic resilient layer only required over the two rehearsal halls.  
 — WEATHER-RESISTANT VAPOUR CONTROL LAYER: Ampatex Solero weather-resistant VCL membrane installed over the top of the existing timber ceiling board and rafters. Ampacoll DT double sided tape to be installed to the full length of the top of the rafters. Overlap joints between membranes to depth recommended by manufacturer and tape with Ampacoll Flex Pro airtight tape. Press fix installation of airtight tape to manufacturer's instructions.  
 — INSULATION LAYER: 105mm ROCKWOOL HardRock Multi-Fix (DD) board laid in staggered pattern over existing rafters. (0.39W/m<sup>2</sup>K) (16.8kg/m<sup>3</sup>)  
 Tightly butt joint boards to ensure no leakage gaps between boards and avoid thermal bypass of the insulation, which will degrade performance. Seal joints with Ampacoll airtight tape if, following mechanical fixing, a gap greater than 0.5mm remains. Mark up joint positions on outer face of insulation as installation progresses using a suitably durable marker to enable confident installation of battens.  
 — WINDTIGHT BREATHER MEMBRANE: Ampatop Protecta Plus, installed on top of insulation layer using Ampacoll DT double sided tape at 1m centres (reduce centres if installed in windy conditions). Minimum 100mm overlap to each row with all horizontal and vertical joints sealed with Ampacoll Flex Pro external air tightness tape. Press fix installation of airtight tape to manufacturer's instructions. Rafter positions should be transferred from the insulation boards to the surface of the membrane to enable confident install of counter-battens.  
 — FASCIA & EAVES TRAY: Install following plumb cut to insulation boards. Try to be taped to surface of the roof with Ampacoll Fenax 40/60 membrane edge tape.  
 — INSECT MESH to be installed to the opening of the ventilated cavity at both eaves and ridge tile.  
 — COUNTER-BATTENS: 50mm x 38mm x treaded counter-battens, fixed through insulation to rafters with Hellfix Inskew fixings. to be installed to the surface of the roof.  
 — BATTENS: 25mm x 50mm counter-battens to carry tiled roof covering.  
 — SLATE TILES: existing slate tiles re-used, subject to assessment of tiles once removed for suitability.  
 NOTE: where no existing timber ceiling board is in place allowance to be made to overboard the existing rafters with OSB to provide suitable surface for weather-resistant vapour control layer.

Existing gutter carefully removed and made good where required. New to match existing where damaged. Allow for redecoration of gutter and existing downpipes.  
 Colour: 'Old Lead (36)' by Brouns & Co Linseed oil and paint.  
**NBS R10**  
 NOTE: colour subject to client sign-off

New painted timber fascia board fixed to end of new rafters. To be sized suitably to allow for fixing of repositioned existing gutters and to cover ends of any exposed roof timbers. Allow for decoration. Timber stop batten fixed off existing rafters. Over fascia ventilator required to ventilate the batten void between the roof covering and underlay.  
 Colour: 'Old Lead (36)' by Brouns & Co Linseed oil and paint.  
 NOTE: colour subject to client sign-off

**EXISTING ROOF CORBELS**  
 Where present, existing corbels to be cleaned, repaired or made good as required and treated with linseed oil paint treatment as per specification for all external timber; refer to **NBS M60**  
 Colour: 'Old Lead (36)' by Brouns & Co Linseed oil and paint

Existing external wall structure assumed to be (nominally) 500mm thick solid sandstone

Existing external window; refer to DR-A-350 Remediation Elevations drawing series for further details of works to external windows

New rainwater pipe with suitable heritage style rainwater pipe to match existing [OR] existing rainwater pipe re-used; subject to detailed inspection to determine suitability for re-use

**EXISTING VALLEY GUTTER**  
 — Existing valley gutter strip including substrate board to allow for install of new roof build up.  
 — Existing roof structure and valley joist retained and made good where required.  
 — New substrate board installed over existing joist and lapped up valley sides min 150mm from gutter level.  
 — Valley gutter to receive new code 5 lead lining, lapped under states with proprietary valley flashing with vent to bottom of slates.

**COUNTER-BATTENS:**  
 Continue beneath valley gutter to hold Windtight breather membrane firmly in place and prevent thermal bypass of insulation

C04	Updated following manufacturer's thermal calculations & condensation risk assessments to finalise roof constructions	JW		07/05/2025
C03	Amended following confirmation of build up with Acoustic Engineer	GQ	GQ	01/05/2025
C02	Construction Issue	JMW	GQ	21/03/2025
C01	External Elevations & Roof Works - Tender Issue	JMW	JW	06/09/2024

**B**

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**Barnsley Metropolitan Borough Council**

**BARNSELY** Metropolitan Borough Council **CB Currie & Brown**

**Barnsley Levelling Up Fund NAWE**  
 St. Mary's Place

**Detailed Edge Section 02**

Originator project ref <b>23048</b>	Purpose of Issue <b>Stage 5 - Construction</b>
Scale(s) <b>1:20, 1:500</b>	Revision description <b>Contractual</b>

project	originator	volume	level	type	role	number	revision
<b>BALU</b>	<b>BBA</b>	<b>NV</b>	<b>XX</b>	<b>DR</b>	<b>A</b>	<b>4412</b>	<b>C04</b>