

# Condition 4e - Conservation Rooflights

## Condition 4E - Conservation Rooflights

Please refer to the following drawings

BPD-LDW-WH-ZZ-DR-A-303001 ROOF DETAILS - SHEET 1\_C1.pdf 1:10 detail of roof window head & cill.

Structural Engineer drawing MHA-ACM-WH-R1-DR-S-00001.pdf. 1:50 drawing showing rooflight window locations.

Condition 4e states the following:

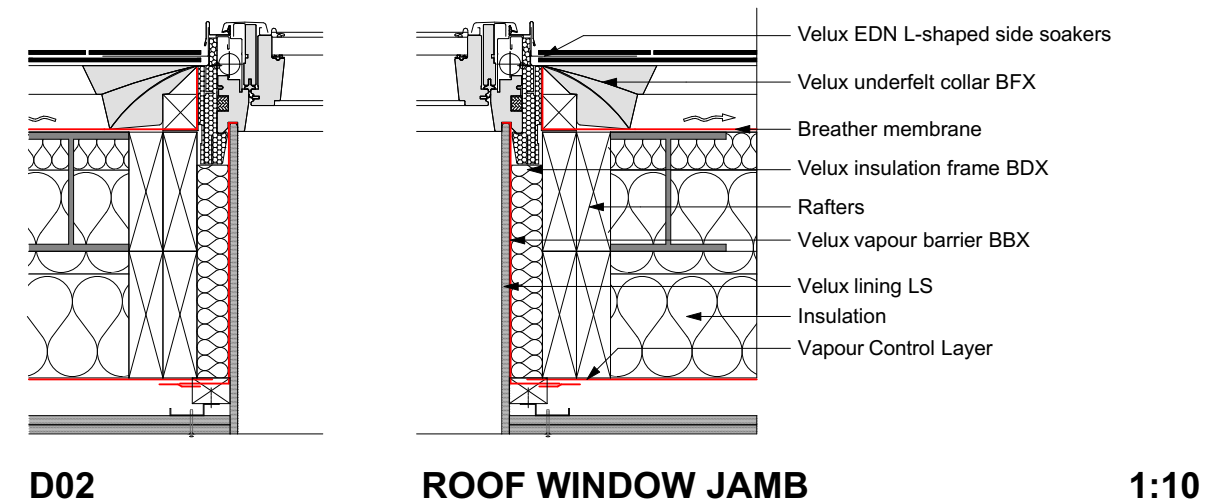
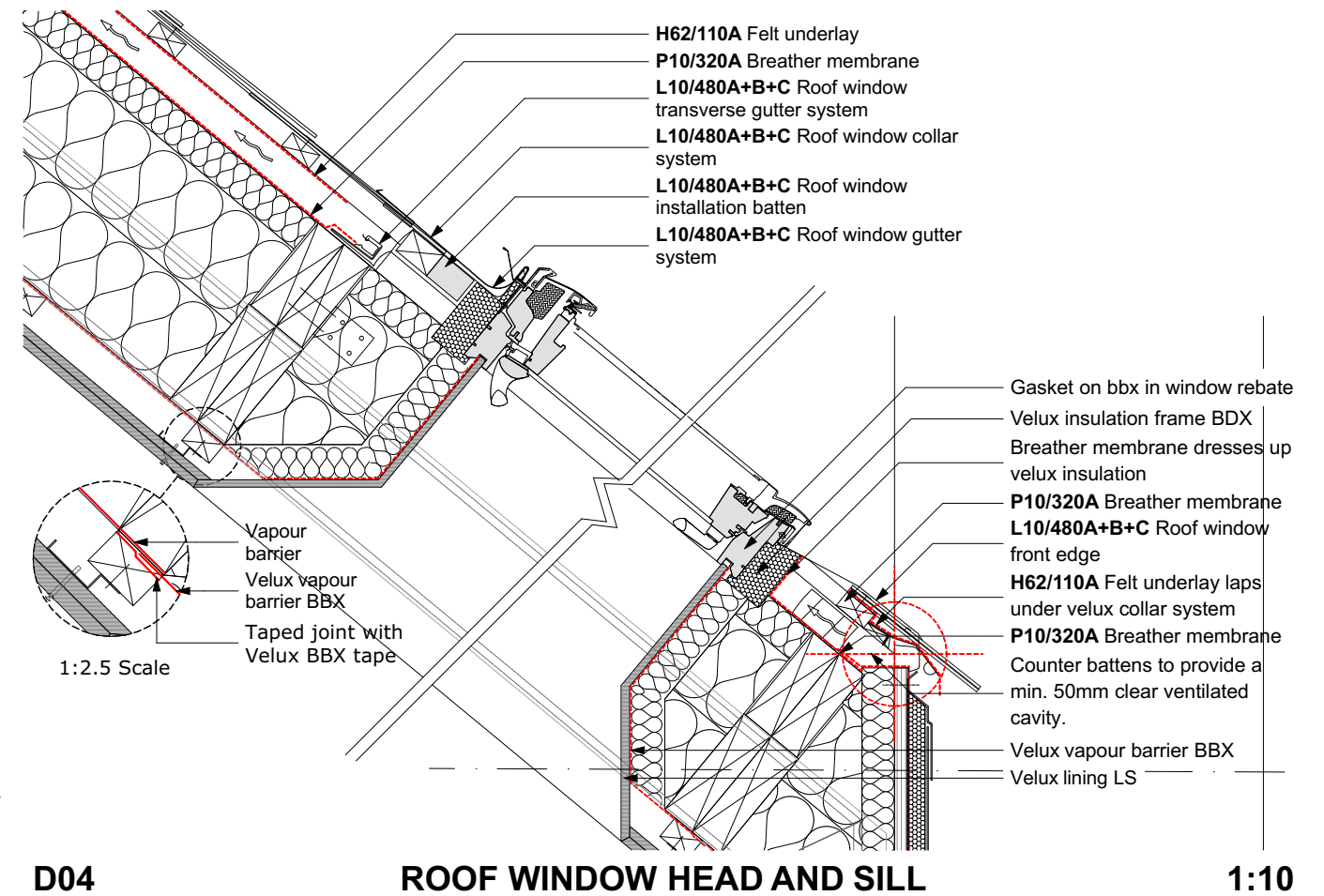
- Details, including manufacturer's specification and detailed section drawings at a scale of 1:10, of all proposed conservation rooflights.

## Conservation Rooflight Windows - Specification

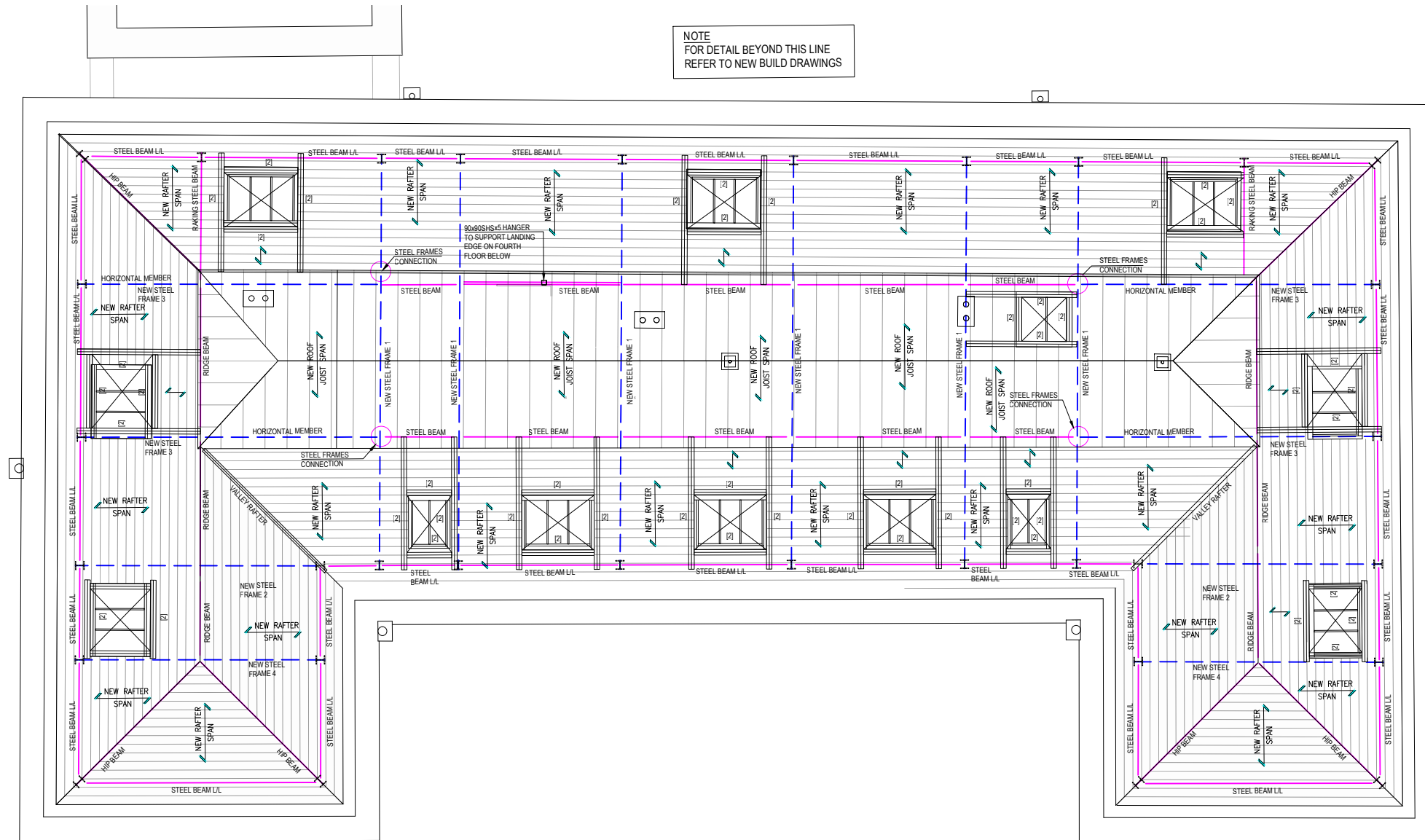
Manufacturer: VELUX Company Ltd.

Product reference: GGL centre-pivot roof window, INTEGRA® electric, CONSERVATION STYLE with recessed flashing & fittings.

- Roof pitch: 40.
- Window - Code: GGL UK08.
- Finishes: Internal frame and sash: White Painted.
- External cladding: Grey aluminium; colour reference NCS S-7500-N - Code 0.
- Glazing: 7021U.
- Blinds, Awning and Shutter:
- Type: DML Blackout blind.
- Operation: Electrical.
- Energy efficiency installation collars: Insulation Collar – Code BDX 2000.
- Flashing: EDN.
- Internal lining framing kit: LSG 1000.



# Condition 4e - Conservation Rooflight Windows Location



PROPOSED ROOF PLAN  
[LEVEL RF]  
1:50 @ A1

NOTE:  
FOR TYPICAL DETAILS AND DETAILS OF  
STEEL FRAMES REFER TO DRG. Nos.  
MHA-ACM-XX-XX-DE-S-00001 TO 00003.  
MHA-ACM-WH-XX-DE-S-00001 TO 00003.

KEY	
	DENOTES NEW BRICKWORK TO MATCH EXISTING AND TO BE FULLY TOOTHED INTO EXISTING.
	DENOTES NEW STEEL BEAMS. 254x146 UB 43 RIDGE MEMBERS. UNO. 203x133 UB 30 HIP MEMBERS. UNLESS NOTED OTHERWISE, REFER TO FRAME DETAILS FOR FURTHER INFORMATION.
	DENOTES EXISTING STEEL BEAMS.
	DENOTES NEW STEEL FRAME. FOR DETAILS OF FRAMES REFER TO DRAWINGS MHA-ACM-XX-XX-DE-S-00003, 00004 & 00005
	DENOTES EXTENT OF DEMOLITION
	DENOTES NEW PRESTRESSED CONCRETE LINTELS
	DENOTES NEW 200x50 TIMBER JOISTS @ 400 CTRS
	DENOTES NEW MASS CONCRETE PADSTONE. REFER TO DETAIL 2.
	DENOTES NEW 175x50 TIMBERS RAFTERS @ 400 CTRS

# Condition 4f - Parapet Details

## Condition 4F- Parapet Details

Condition 4f requires details of repairs & reinstatement works to the parapet lowering to the rear elevation.

A separate 1:10 drawing has also been provided, see drawings .

BPD-LDW-WH-ZZ-DR-A-303001 ROOF DETAILS - SHEET 1\_C1.pdf  
 BPD-LDW-WH-ZZ-DR-A-303002 ROOF DETAILS - SHEET 2\_C1.pdf

Please also refer to Aecom drawing: MHA-ACM-WH-XX-DE-S-00001.pdf

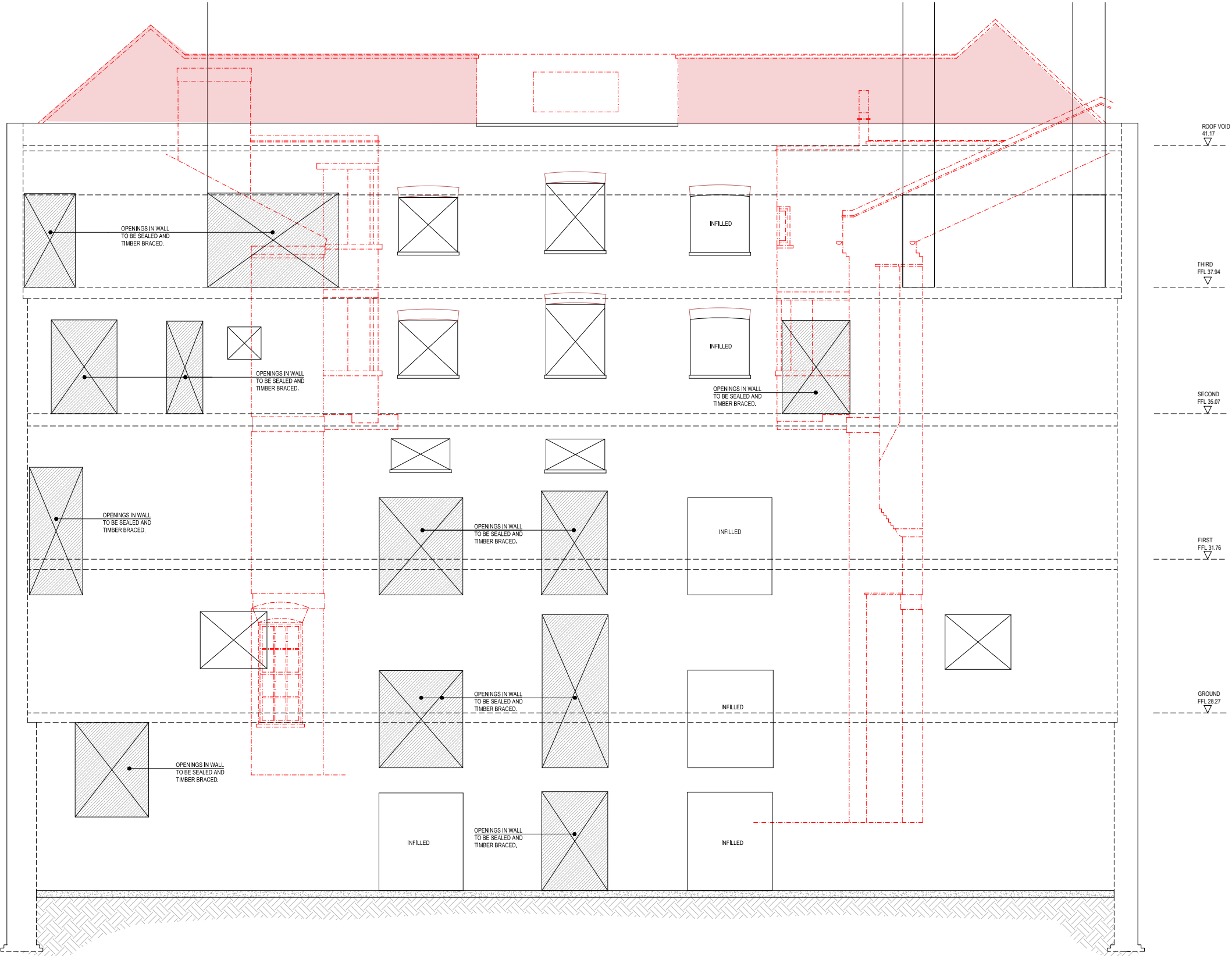
1. Existing high level rear parapet (above 4th level ceiling) wall to be lowered to match adjoining parapet level as per the North & South Facade. (Shown on adjoining elevation highlighted in red). See adjoining photo.

2. Existing rear parapet to be lowered and demolished by hand removal.

3. Existing York stone copings are largely degraded on the sky surface. Virtually all the copings are delaminating laterally along bedding planes leaving the whole unit friable. New Stone coping to replace existing. Stone Profile to match existing.

4. Rear elevation as per previous conditions 5 the outer brick skin will be replaced with reclaimed bricks.

The following page shows typical coping detail to match existing.



KEY	
	DENOTES AREA SUBJECT TO DEMOLITION ( IN STRICT ACCORDANCE WITH THE PROGRAMME OF WORKS ), SCOPE INCLUDES THE REMOVAL OF STRUCTURAL AND NON-STRUCTURAL WALLS, COLUMNS ( IF PRESENT ) AND SLABS.
	DENOTES OPENINGS IN WALL AFTER DEMOLITION OF EXTERNAL STRUCTURE. SEAL OPENINGS FROM INGRESS OF WEATHER AND PROVIDE SOLID TIMBER CROSS BRACING.

SECTION B - B  
 ( EXTERNAL WORKHOUSE WALL SHOWING  
 TEMPORARY INFILL TO EXISTING OPENINGS )  
 1 : 50

NOTE:  
 FOR LOCATION OF SECTION B - B  
 REFER TO DRAWING MHA-ACM-WH-XX-DE-S-00008

Above drawing shows area to be demolished and areas to be temporary covered before rear elevation is reclad in brick. See drawing MHA-ACM-WH-XX-DE-S-00008.pdf for extent of area to be rebuilt in brick.



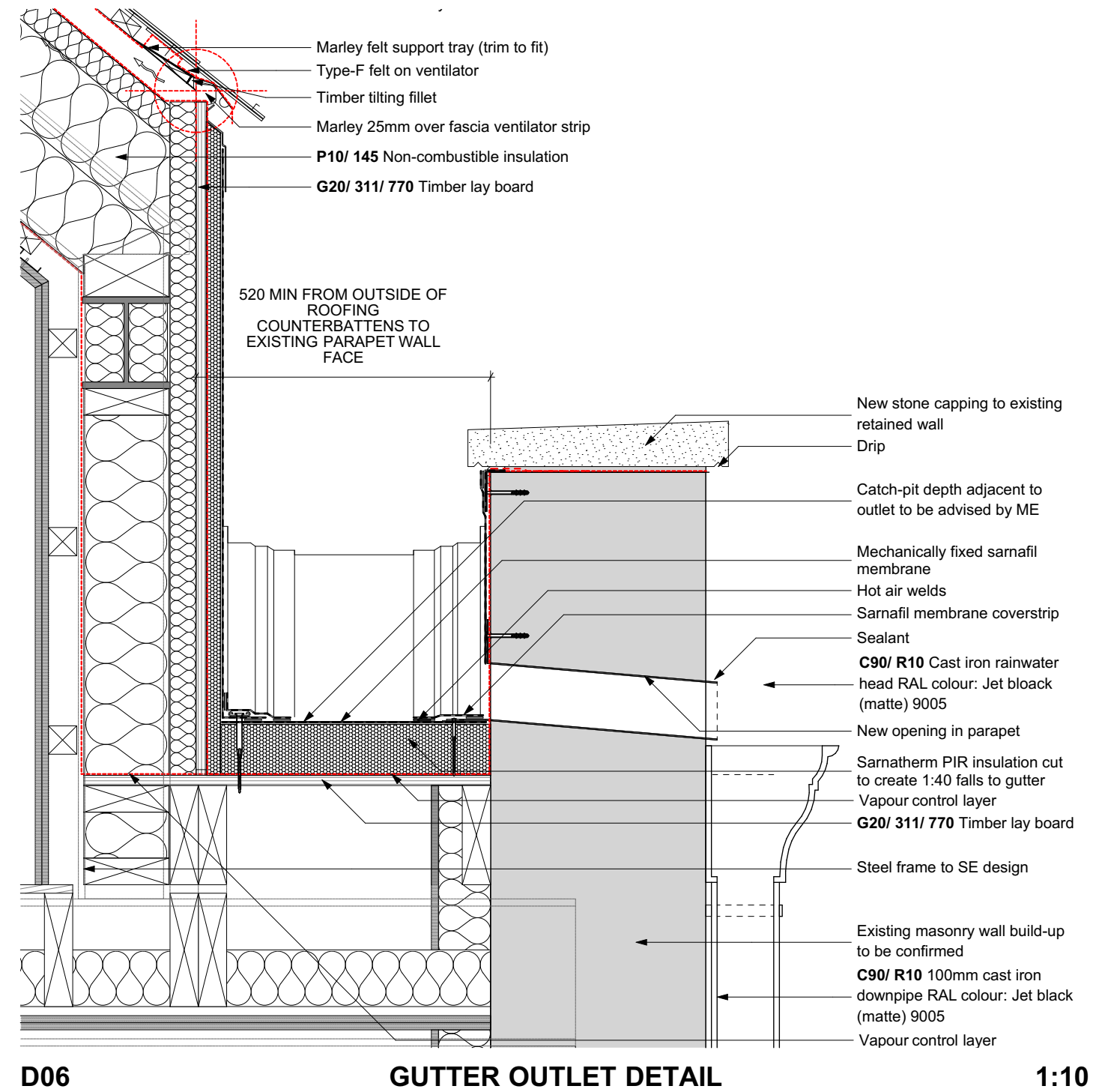
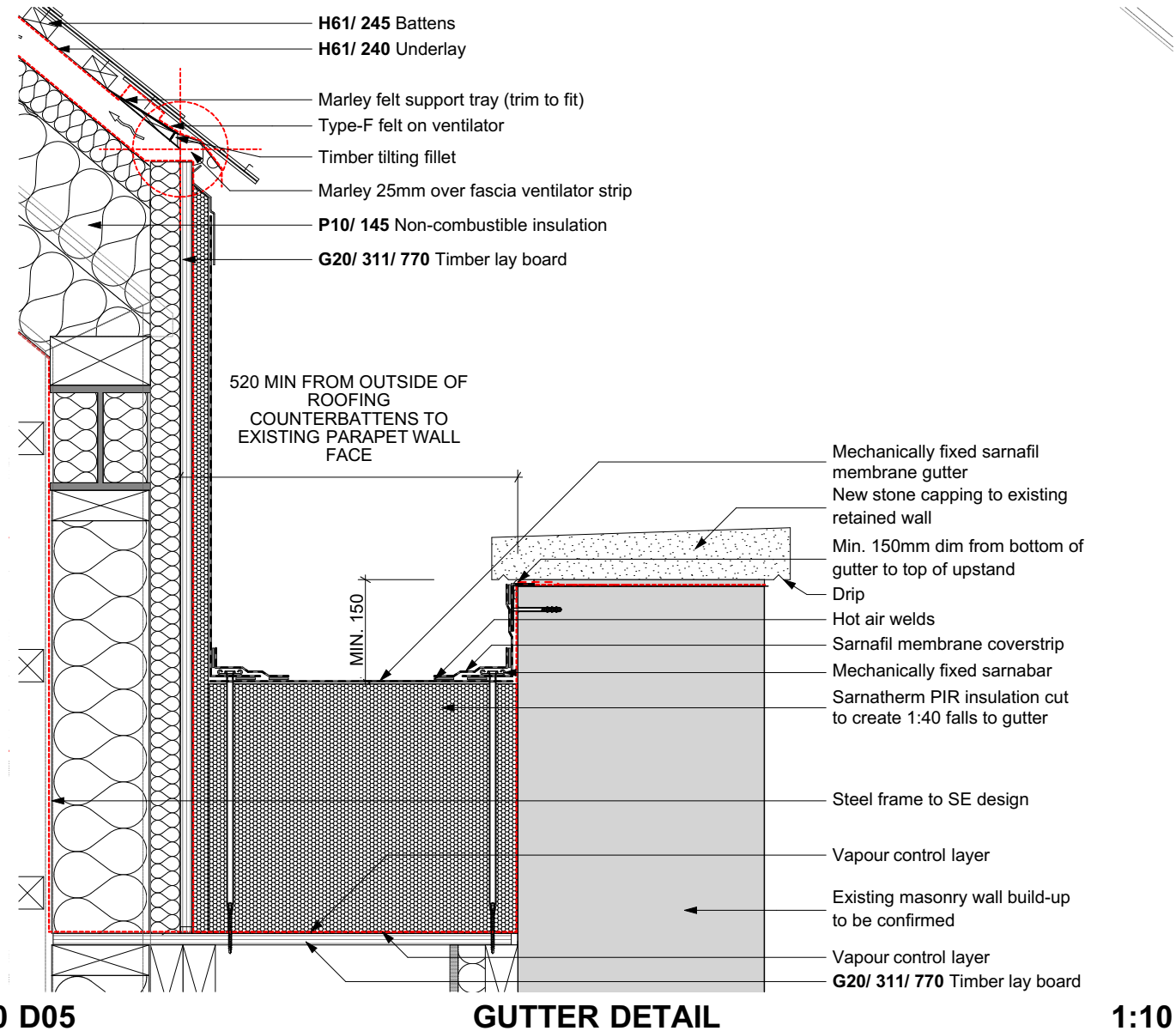
# Condition 4f - Parapet Details



**Photo 01 -**  
Existing high level parapet wall to be lowered to match existing parapet level to south, north & west facades. The above photo shows the existing York stone copings are largely degraded on the sky surface. Virtually all the copings are delaminating laterally along bedding planes leaving the whole unit friable.



**Photo 02 -**  
High level parapet to the south facade to be raised to match existing.



# Condition 4H - Structural Intervention Work

## Condition 4H - structural intervention work to historic fabric.

Structural intervention work has been previously highlighted within condition 4b, 4e and 4f.

Please refer to the following structural drawings:

### Floor Plans

MHA-ACM-WH-B1-DR-S-00001.pdf  
 MHA-ACM-WH-00-DR-S-00001.pdf  
 MHA-ACM-WH-01-DR-S-00001.pdf  
 MHA-ACM-WH-02-DR-S-00001.pdf  
 MHA-ACM-WH-03-DR-S-00001.pdf  
 MHA-ACM-WH-04-DR-S-00001.pdf  
 MHA-ACM-WH-R1-DR-S-00001.pdf

### Structural Roof Sections

MHA-ACM-WH-XX-DE-S-00001.pdf  
 MHA-ACM-WH-XX-DE-S-00002.pdf

### Structural Basement Sections

MHA-ACM-WH-XX-DE-S-00005.pdf

### Structural Details

MHA-ACM-XX-XX-DE-S-00001.pdf  
 MHA-ACM-XX-XX-DE-S-00002.pdf  
 MHA-ACM-XX-XX-DE-S-00003.pdf  
 MHA-ACM-XX-XX-DE-S-00004.pdf  
 MHA-ACM-XX-XX-DE-S-00005.pdf

### Basement Details

BPD-LDW-WH-ZZ-DR-A-301010 BASEMENT WATERPROOFING DETAILS WH\_C1.pdf  
 MHA-ACM-XX-XX-DE-S-00003.pdf

### Structural Notes / Key

MHA-ACM-XX-XX-GN-S-00001.pdf

## Structural Intervention at Basement to 3rd Floor level.

Please refer to Condition 4b, for proposed structural intervention work to existing window, door openings and current blocked up window & door openings.

### Structural Intervention at Basement Level

Please refer to page 41 - 43 for structural intervention work at basement floor level

Proposed areas of structural intervention are:

- New lintels to existing door openings
- New openings for services
- Underpinning to staircase floor
- New concrete wall, see attached section to create basement vault area.

### Structural Intervention at Roof level.

Please refer to Condition 4a illustrating the proposed structural roof layouts. A concrete padstone will be inserted into the existing facade wall internally. This will allow for the fixing of steel beams west to East.

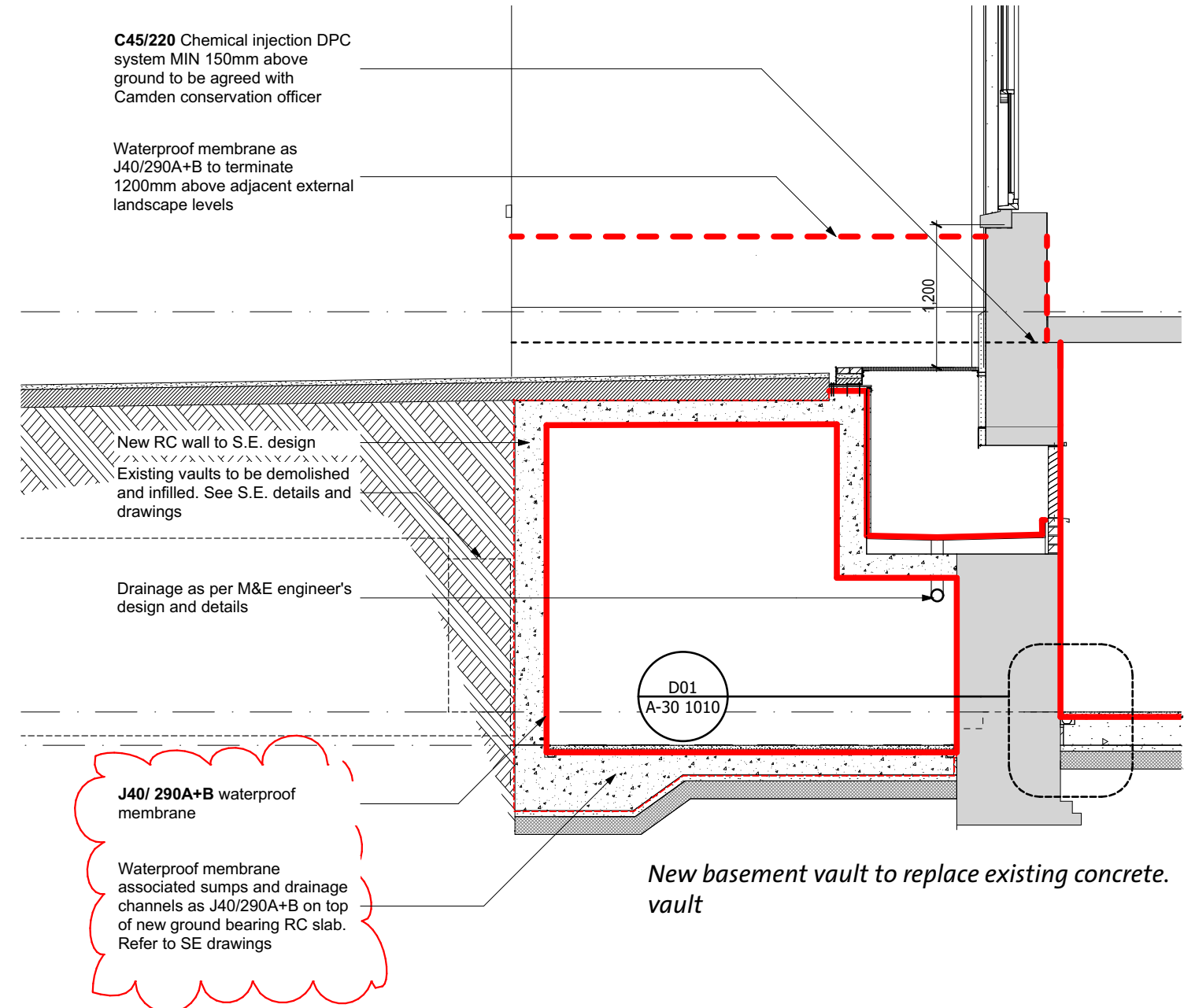
The main structural frame is shown as Frame Type 01. This will run South to North. See drawing MHA-ACM-WH-XXDE-S-00001.pdf, submitted for condition 4a.

A secondary frame as per Frame Type 2 & 4, creates a smaller ridge form attaching to the main frame running West to East. Please refer to drawing MHA-ACM-WH-XXDE-S-00002.pdf.

For steel type locations at roof level please refer to the plan drawing MHA-ACM-WH-R1-DR-S-00001.pdf.

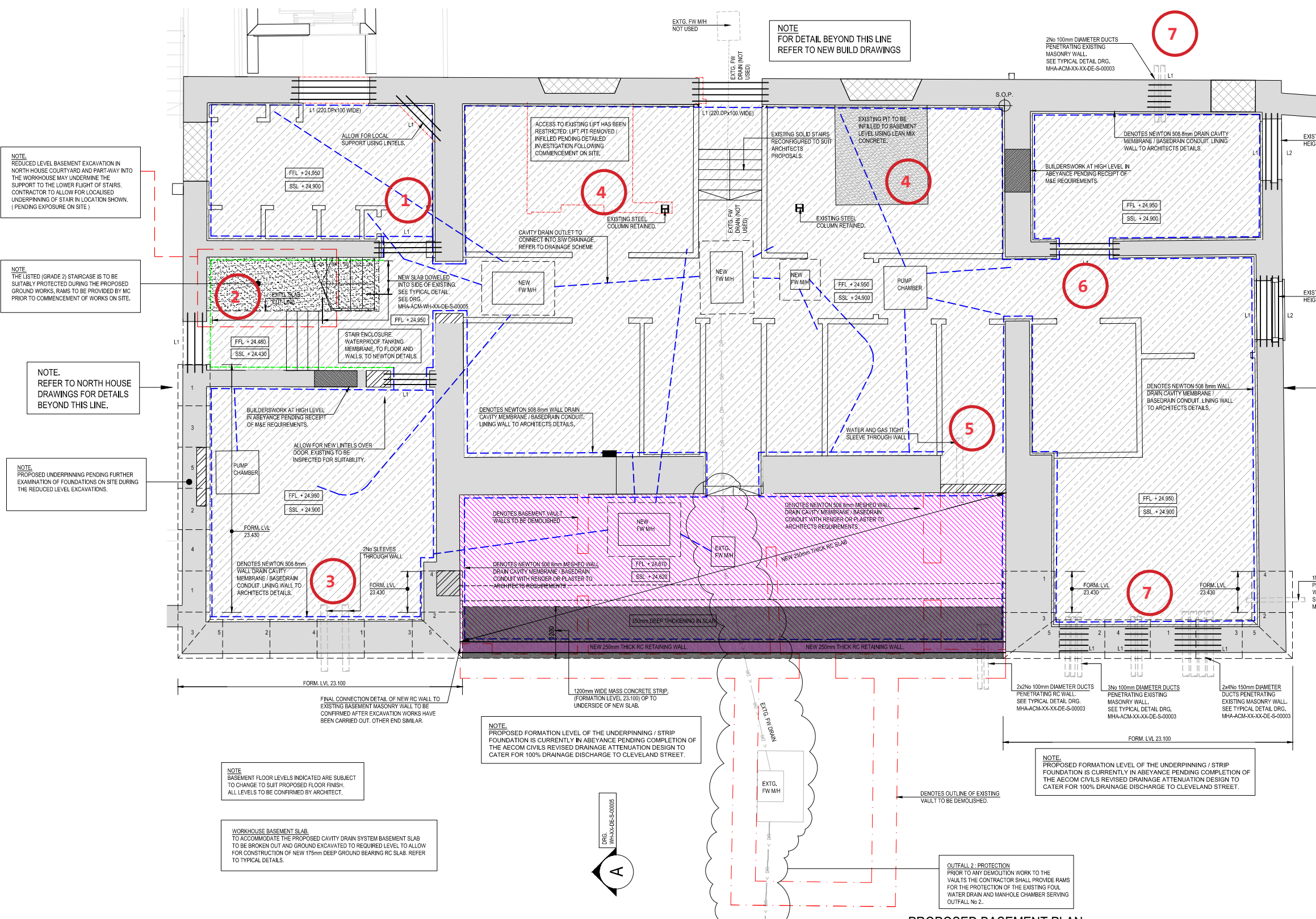


Existing opening to be opened up.





# Condition 4H - Structural Intervention Work



## Workhouse Basement Floor

### North Wing

Proposed area to be infilled:

- 1 New lintels to existing door openings.
- 2 Lower staircase area to be assessed by Structural Engineer as may require underpinning.
- 3 New sleeve openings for service penetration to existing West wall.

### Central Hall

Proposed area to be infilled:

- 4 Existing lift pit & pit area to be infilled with lean mix of concrete.
- 5 Blocked up opening to be opened up.

### South Wing

Proposed area to be infilled:

- 6 New Lintel to existing wall opening.
- 7 New sleeve openings for service penetration to existing East & West wall.

--- All walls (dotted blue) denotes Newton 508 8mm Wall Drain Cavity Membrane / Basedrain Conduit Wall Lining.

KEY	
	DENOTES NEW BRICKWORK TO MATCH EXISTING AND TO BE FULLY TOOTHED INTO EXISTING.
	DENOTES NEW STEEL BEAMS.
	DENOTES EXISTING STEEL BEAMS.
	DENOTES EXTENT OF DEMOLITION FOR DEMOLITION PLANS REFER TO ARCHITECTS DRAWINGS.
	DENOTES NEW PRESTRESSED CONCRETE LINTELS. NUMBER TO SUIT WALL THICKNESS. REFER TO DETAIL 1.

KEY [contd]	
	DENOTES NEW PROPRIETARY SEGMENTAL ARCHED LINTEL BY HARVEY LINTELS, OR SIMILAR APPROVED, FOR FACING BRICKWORK WITH PRESTRESSED CONCRETE LINTELS BEHIND. NUMBER TO SUIT WALL THICKNESS.
	DENOTES NEW MASS CONCRETE PADSTONE. REFER TO DETAIL 2.
	DENOTES NEW PARTITIONS. REFER TO ARCHITECTS DETAILS.
	SHADED AREA DENOTES NEWTON DRAIN CAVITY FLOOR MEMBRANE OVER ENTIRE BASEMENT FLOOR. FINISH TO ARCHITECTS DETAILS.

KEY [contd]	
	DENOTES NEWTON 508 8mm WALL DRAIN CAVITY MEMBRANE / BASEDRAIN CONDUIT LINING WALL TO ARCHITECTS DETAILS. SEE TYPICAL DETAIL DRG. MHA-ACM-WH-XX-DE-S-0005.
	DENOTES NEW INFILL BLOCKWORK (MEDIUM DENSE) BLOCK BONDING INTO EXISTING MASONRY.

**PROPOSED BASEMENT PLAN [LEVEL B1]**  
1:50 @ A1

**NOTE:** FOR TYPICAL DETAILS REFER TO DRG. Nos. MHA-ACM-WH-XX-DE-S-0001 TO 0003.

**NOTE:** FOR TYPICAL DRAIN CAVITY DETAILS REFER TO DRG. Nos. MHA-ACM-WH-XX-DE-S-0005.

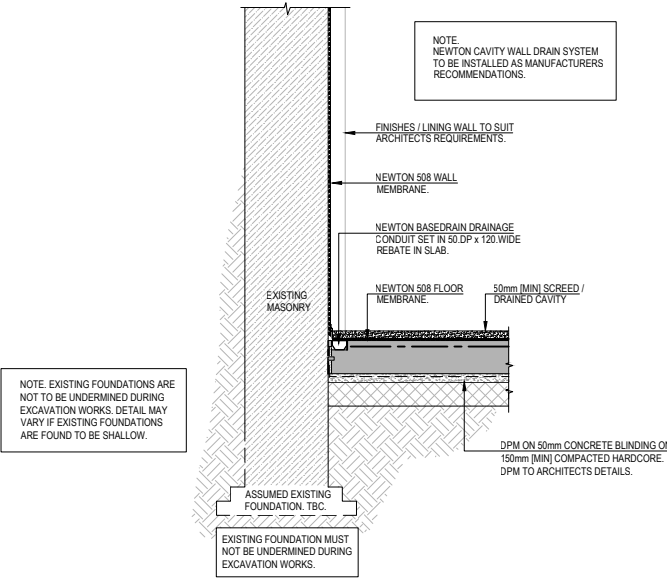
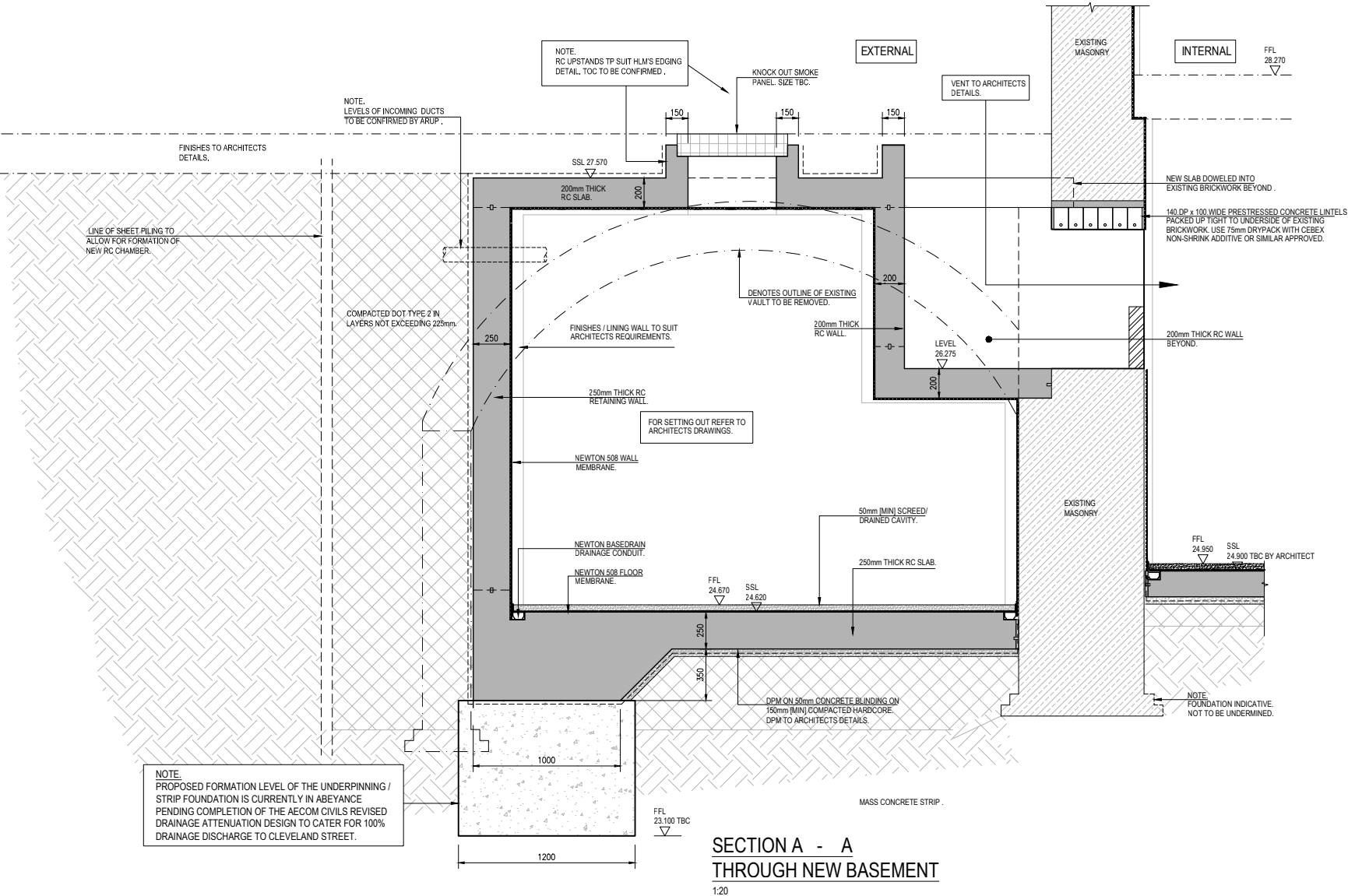
# Condition 4H - Structural Intervention Work

## Workhouse Basement Details

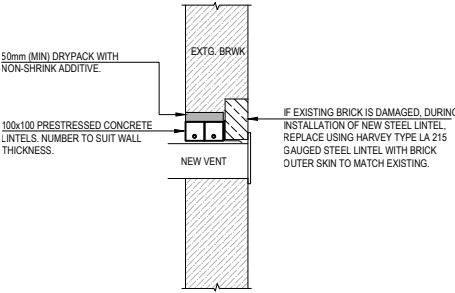
Please refer to Aecom drawing MHA-ACM-WH-XX-DE-S-00005 for 1:20 details.

Details show the following:

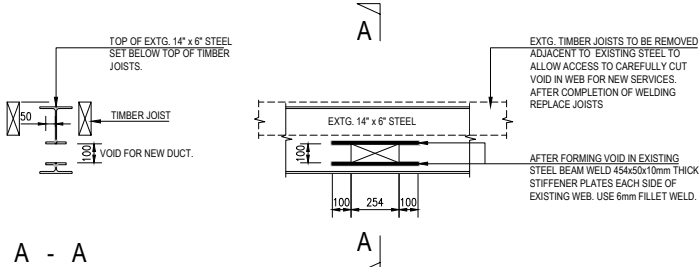
- proposed new basement area replacing basement vault.
- Typical basement drain cavity detail
- Typical vent detail in external wall
- Formation of service void in existing steel floor beam.



TYPICAL BASEMENT DRAIN CAVITY DETAIL  
1:20



TYPICAL VENT DETAIL IN EXTERNAL WALLS  
1:20



FORMATION OF SERVICE VOID IN EXISTING STEEL FLOOR BEAM  
1:20