



NOTES

1) GENERAL

- TO BE READ IN CONJUNCTION WITH LATEST GENERAL NOTES DRAWINGS (1378-S001-C1).
- DRAWINGS BASED ON EXISTING STRUCTURE KNOWLEDGE AT PRESENT. IF DIFFERING STRUCTURE IS DISCOVERED PRIOR OR DURING WORKS, EXP ARE TO BE NOTIFIED.
- DO NOT SCALE FROM DRAWINGS.

2) LOADING

- LL ALLOWANCE UNCHANGED.
- REPLACEMENT OF ANY ROOF SLATES TO MATCH EXISTING THICKNESS.
- ALLOWANCE FOR SINGLE 100kg CHANDELIER WITH 25kg HOIST SYSTEM.

3) DEFLECTION LIMITS

- SPAN/250 TOTAL.
- SPAN/360 LIVE.

4) STEELWORK

- REFER TO STEELWORK SPECIFICATION (EXP-SPEC-1378-002).

5) CONCRETE

- REFER TO CONCRETE SPECIFICATION (EXP-SPEC-1378-001).

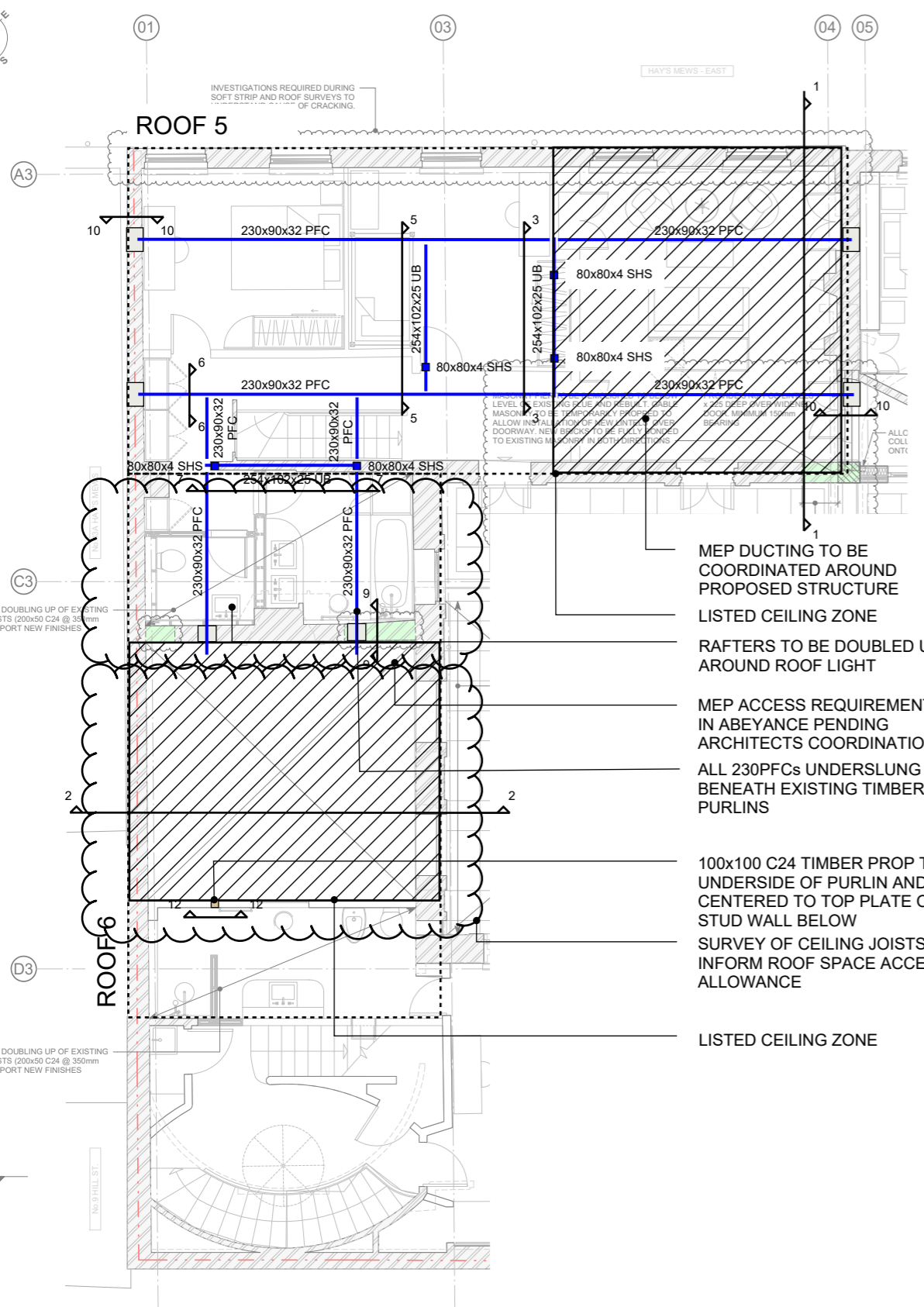
6) CONNECTIONS

- STEEL CONNECTIONS TO BE DESIGNED BY CONTRACTOR IN ACCORDANCE WITH PERFORMANCE REQUIREMENTS PROVIDED BY EXPEDITION
- ALL NEW FASTENERS INTO EXISTING TIMBER TO BE SCREWS OR BOLTS AND NOT NAILS.
- ALL FIXINGS TO BE STAINLESS STEEL OR GALVANISED.

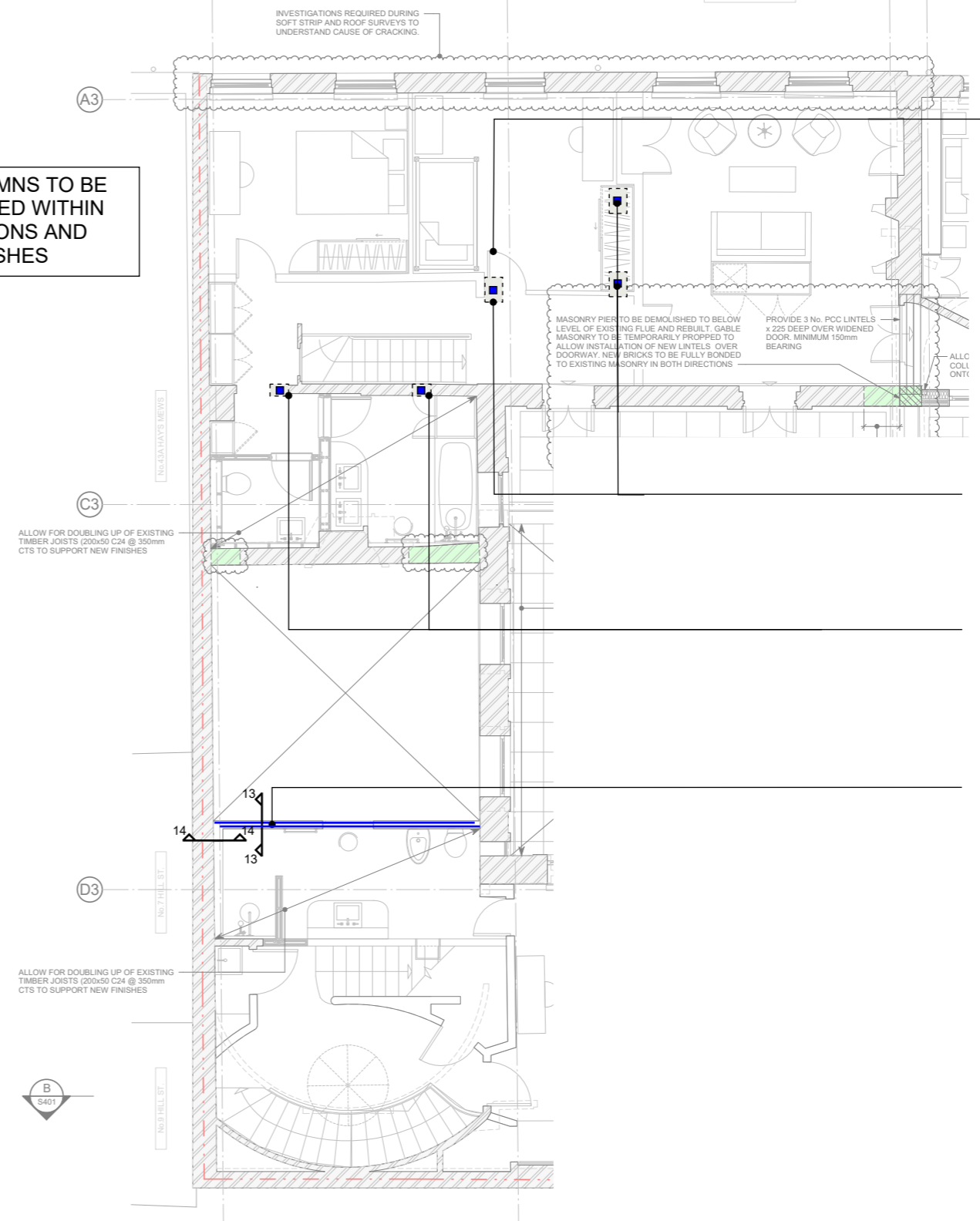
Title: ROOF 5 & 6 WORKS - NOTES
Job: HAY'S MEWS Job no: 1378
Sketch no.: SK-207 Date: 10/01/24 By: JP



expedition



ALL COLUMNS TO BE CONCEALED WITHIN PARTITIONS AND FINISHES



HIGH LEVEL L01 GA

NTS

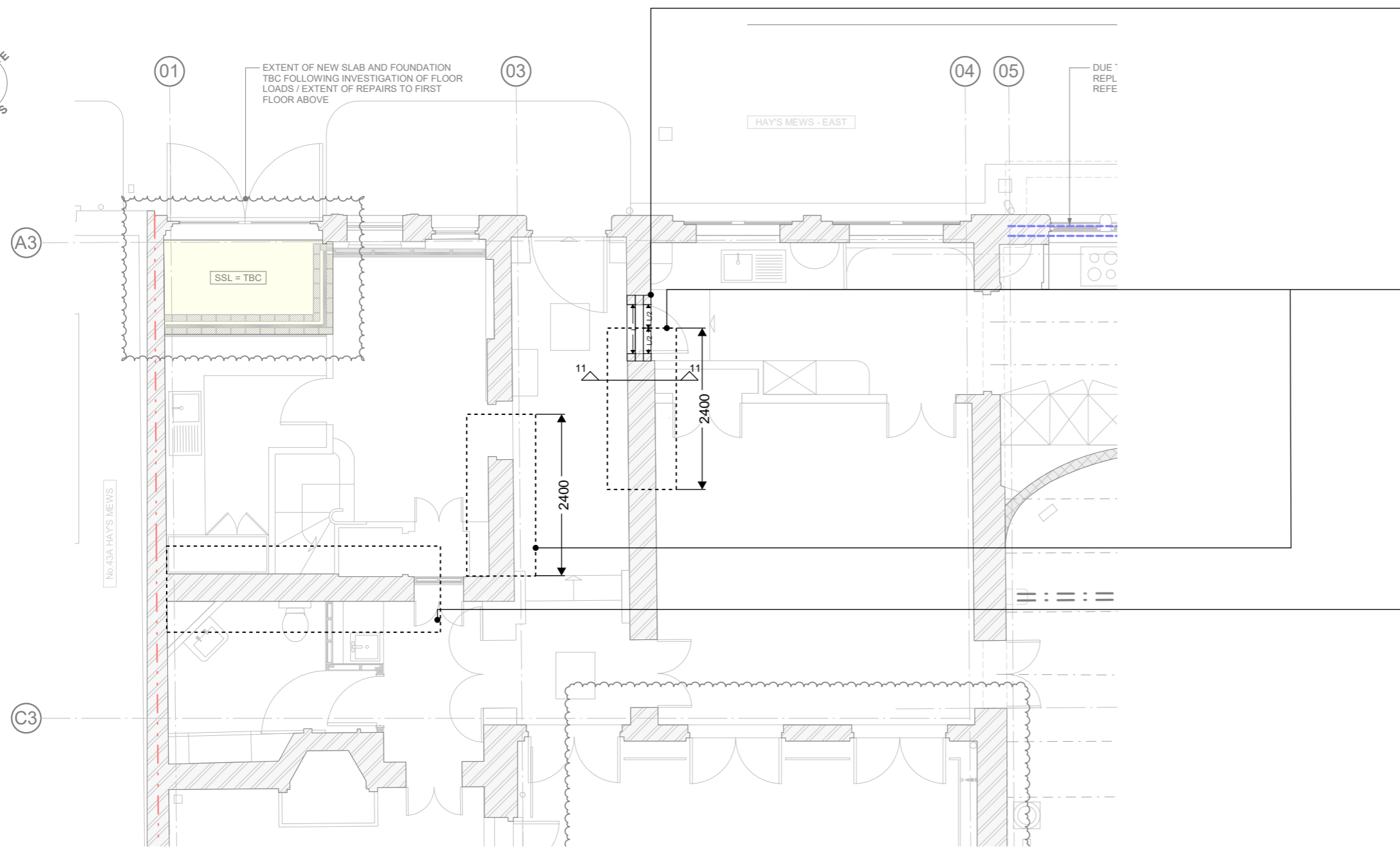
L01 GA

NTS

Title: ROOF 5 & 6 WORKS - L01 PLAN
 Job: HAY'S MEWS Job no: 1378
 Sketch no.: SK-208 Date: 10/01/24 By: JP



expedition



PROVIDE 3 No. PCC LINTELS x 150 DEEP OVER WIDENED DOOR. MINIMUM 150mm BEARING

MINIMUM 500DEEP UNDERPIN TO EXISTING GF WALL

UNDERPIN TO BE 1.6x WIDER THAN EXISTING FOUNDATION AND CENTERED TO EXISTING MASONRY WALL

EXISTING FOUNDATION WIDTH EXPECTED AT 1080 FROM PREVIOUS INVESTIGATION

UNDERPIN AS NOTED ABOVE.

IF IT CAN BE DEMONSTRATED THAT EXISTING FOUNDATION IS BEARING ON SUITABLE BEARING STRATE, UNDERPIN MAY BE OMITTED ON AGREEMENT WITH EXP

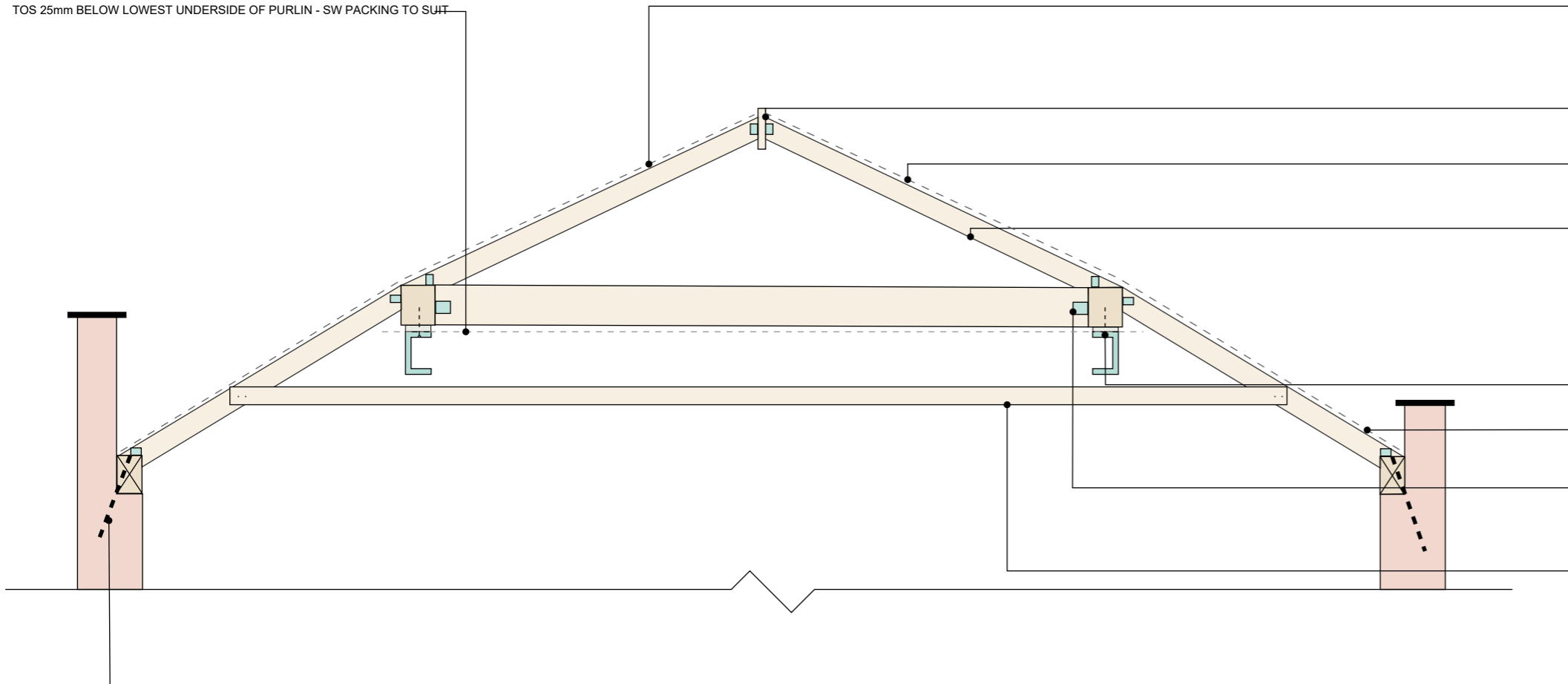
GF GA
NTS

Title: ROOF 5 & 6 WORKS - GF PLAN

Job: HAY'S MEWS Job no.: 1378

Sketch no.: SK-209 Date: 10/01/24 By: JP

TOS 25mm BELOW LOWEST UNDERSIDE OF PURLIN - SW PACKING TO SUIT



SECTION 1 - TYPICAL ROOF 5 REPAIRS

NTS

18mm OSB BOARD SCREWED TO TOP FACE OF EACH RAFTER
SCREW AT 150/300 SPACING

RIDGE REPLACED WITH 150x50 C24 TIMBER
STRONG-TIE FLAT STEEL STRAP AT RIDGE JOINTS

RETAINED OR REPLACED SLATES - REPLACED TO MATCH EXISTING SLATE THICKNESS

RAFTERS REPLACED AS ADVISED BY H+R AND AGREED WITH EXP
REPLACEMENT RAFTERS TO MATCH EXISTING AS PER H+R REPORT AT GRADE C24.
TO BE REPLACED NEXT TO EXISTING RAFTER LOCATION AND SCREWED AT HEAD AND FOOT USING STRONG-TIE ANGLE BRACKET (AB90) 2No. AT EACH END OF EACH RAFTER

PFC FIXED TO EXISTING TIMBER PURLIN WITH COACH SCREW AT REGULAR CENTRES
BOX GUTTER AND LEAD FLASHING TO ARCHITECTS DETAIL

2No. STRONG-TIE ANGLE BRACKET (AB90) TO BEAM ENDS (4 TOT. PER LADDER BEAM)
FIXED WITH CSA SCREWS 5 DIA. x 70 LONG

REPLACE CEILING JOISTS AS ADVISED BY H+R AND AGREED BY EXP
STRATEGY TO BE AGREED FOR CEILING JOISTS FIXED TO LISTED CEILING
EACH END OF EACH CEILING JOIST FIXED TO RAFTER WITH MIN 3No. 5DIAx90L CSK WOOD SCREW

M12 RESIN ANCHOR MAX 800 CNTR - MINIMUM 150 EMBEDMENT INTO MASONRY
FIXING ALSO REQUIRED OVER BATHROOM AT ROOF 5/6 JUNCTION
RETAINED OR REPLACED SLATES - REPLACED TO MATCH EXISTING SLATE THICKNESS
18mm OSB BOARD SCREWED TO TOP FACE OF EACH RAFTER
SCREW SPACING AT 150/300 SPACING

RIDGE REPLACED WITH 150x80 C24 TIMBER
STRONG-TIE FLAT STEEL STRAP AT RIDGE JOINTS

2No. 47x200 C24 TIMBER JOIST SUPPORTED ON CONSECUTIVE LADDER BEAMS FIXED WITH STRONG-TIE ANGLE BRACKETS EACH SIDE (AB90)

RAFTERS REPLACED AS ADVISED BY H+R AND AGREED WITH EXP
REPLACEMENT RAFTERS TO MATCH EXISTING AS PER H+R REPORT AT GRADE C24.
TO BE REPLACED NEXT TO EXISTING RAFTER LOCATION AND SCREWED AT HEAD AND FOOT USING STRONG-TIE ANGLE BRACKET (AB90) 2No. AT EACH END OF EACH RAFTER

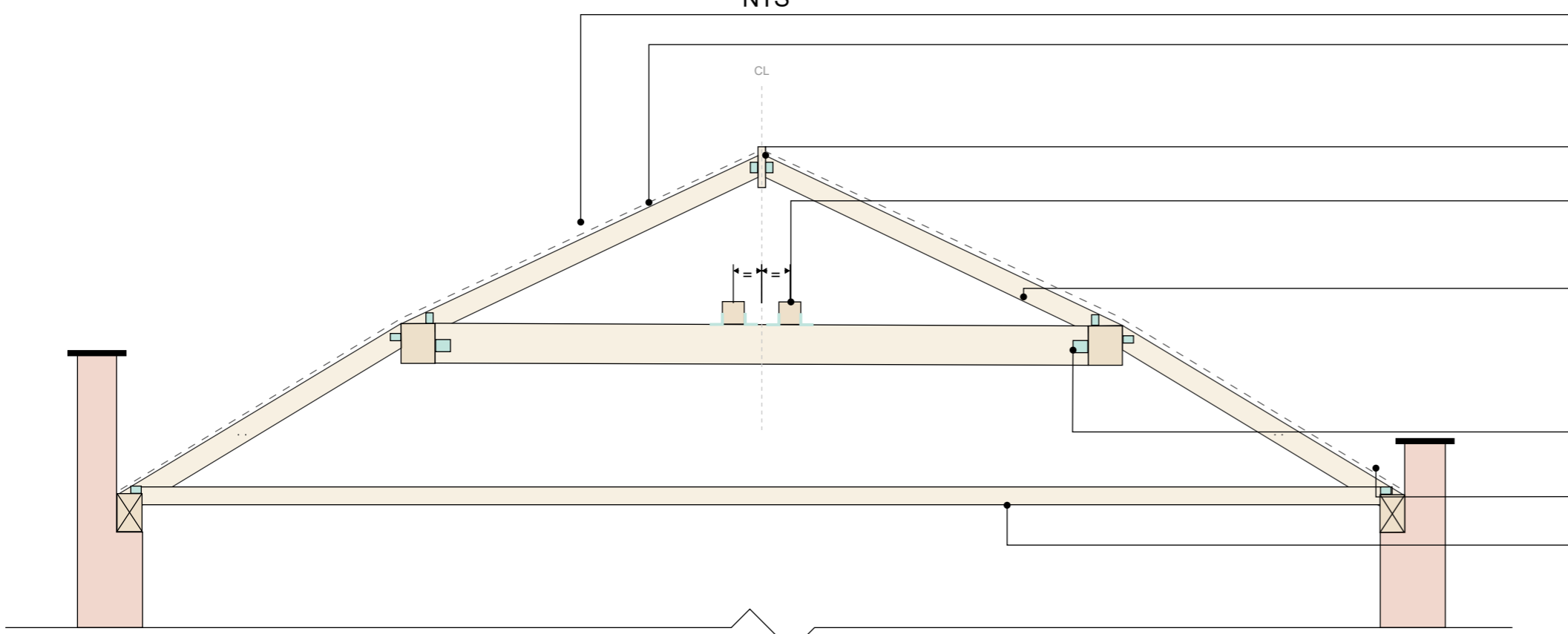
2No. STRONG-TIE ANGLE BRACKET (AB90) TO BEAM ENDS (4 TOT. PER LADDER BEAM)
FIXED WITH CSA SCREWS 5 DIA. x 370 LONG
BOX GUTTER AND LEAD FLASHING TO ARCHITECTS DETAIL

REPLACE CEILING JOISTS AS ADVISED BY H+R AND AGREED BY EXP
STRATEGY TO BE AGREED FOR CEILING JOISTS FIXED TO LISTED CEILING

EACH END OF EACH CEILING JOIST FIXED TO RAFTER WITH MIN 3No. 5DIAx90L CSK WOOD SCREW



SETTING OUT TO SUIT CHANDELIER SUPPORT REQUIREMENT - ARCH TO CONFIRM



SECTION 2 - TYPICAL ROOF 6 REPAIRS

NTS

Title: ROOF 5 & 6 WORKS - TYPICAL ROOF SECTIONS

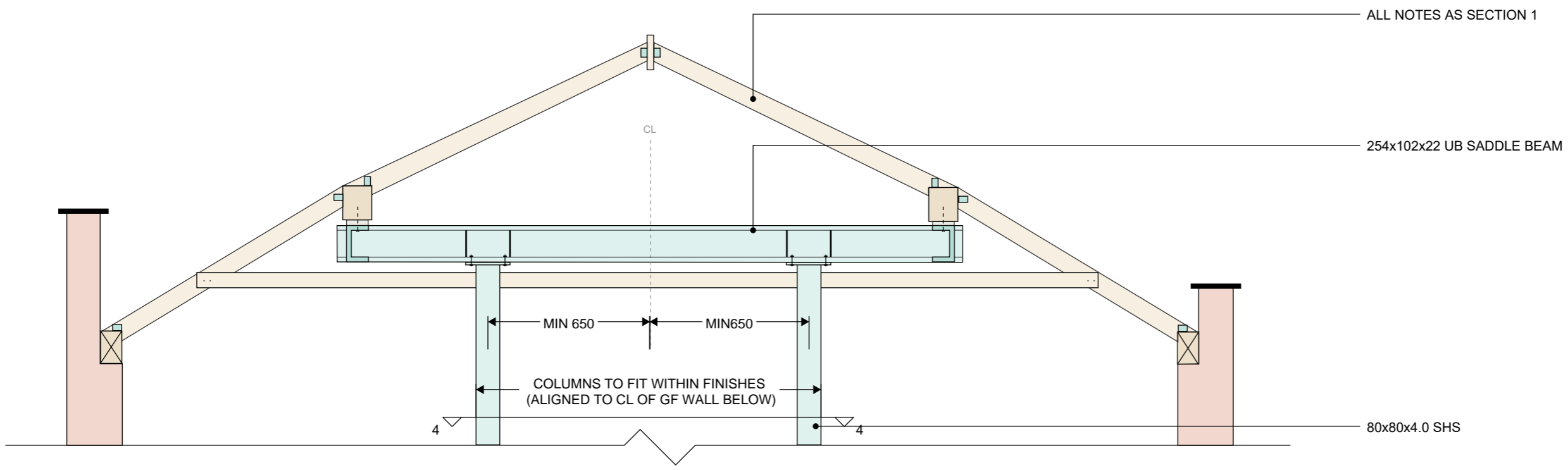
Job: HAY'S MEWS

Job no.: 1378

Sketch no.: SK-210

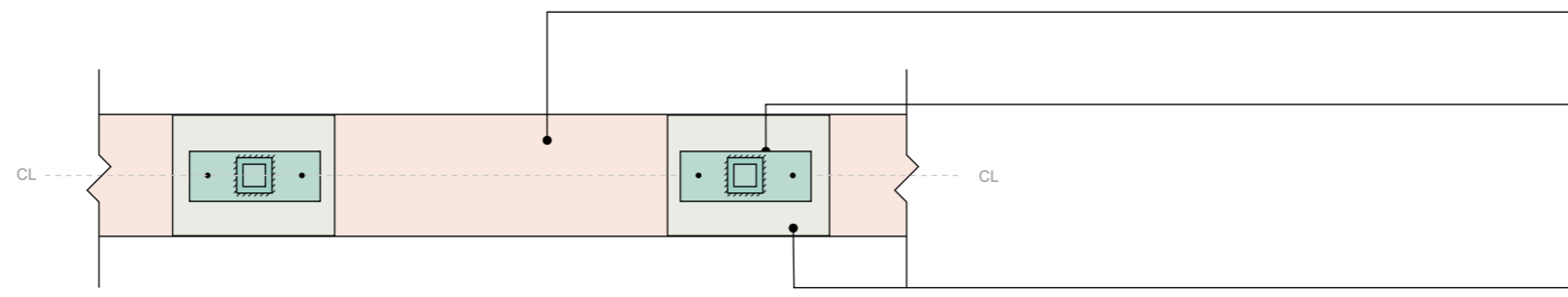
Date: 10/01/24

By: JP



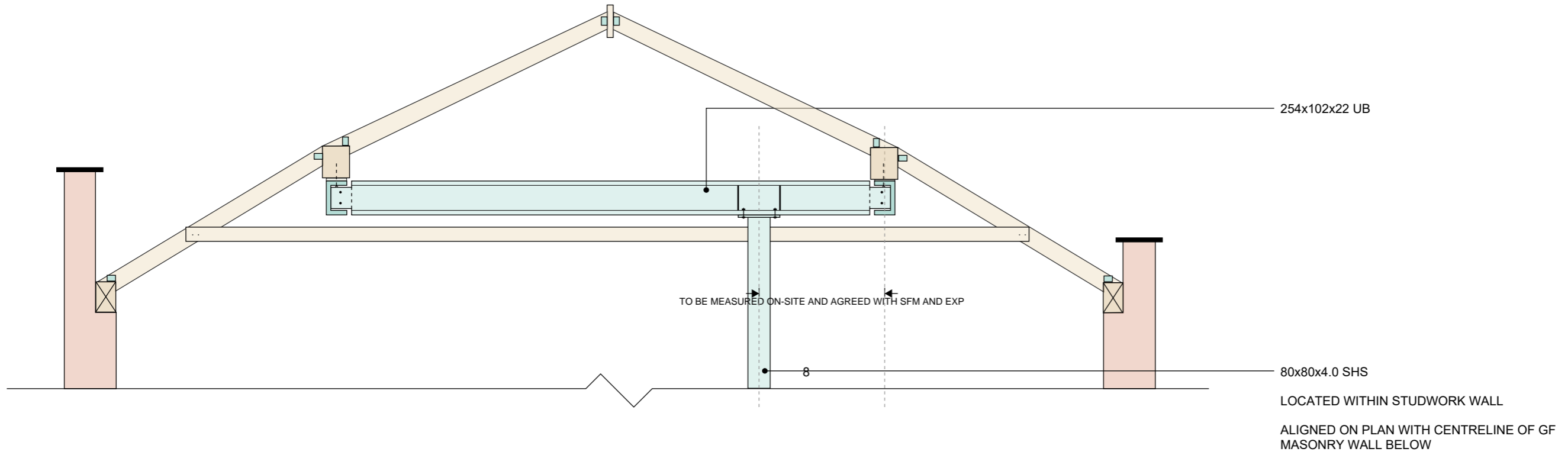
DETAIL 3 - SADDLE BEAM SUPPORT TO PURLIN

NTS



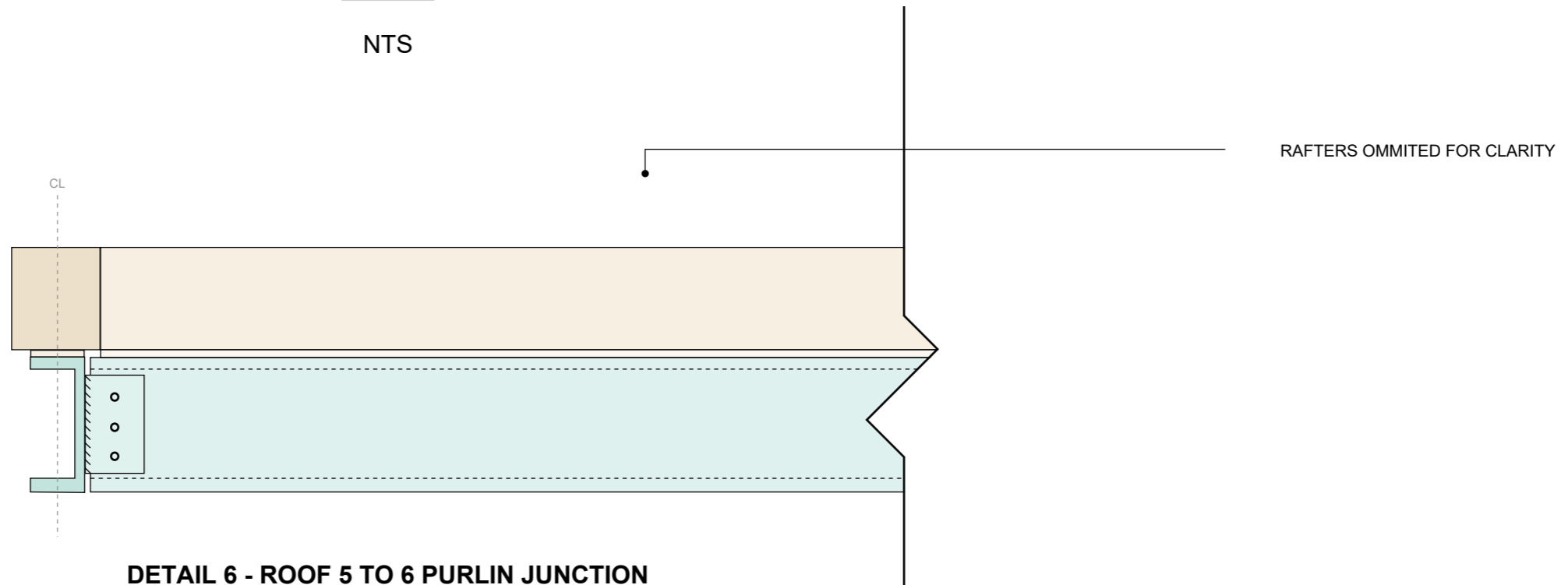
DETAIL 4 - SADDLE BEAM POST BASE DETAIL

NTS



DETAIL 5 - CANTILEVER SUPPORT TO PURLIN

NTS

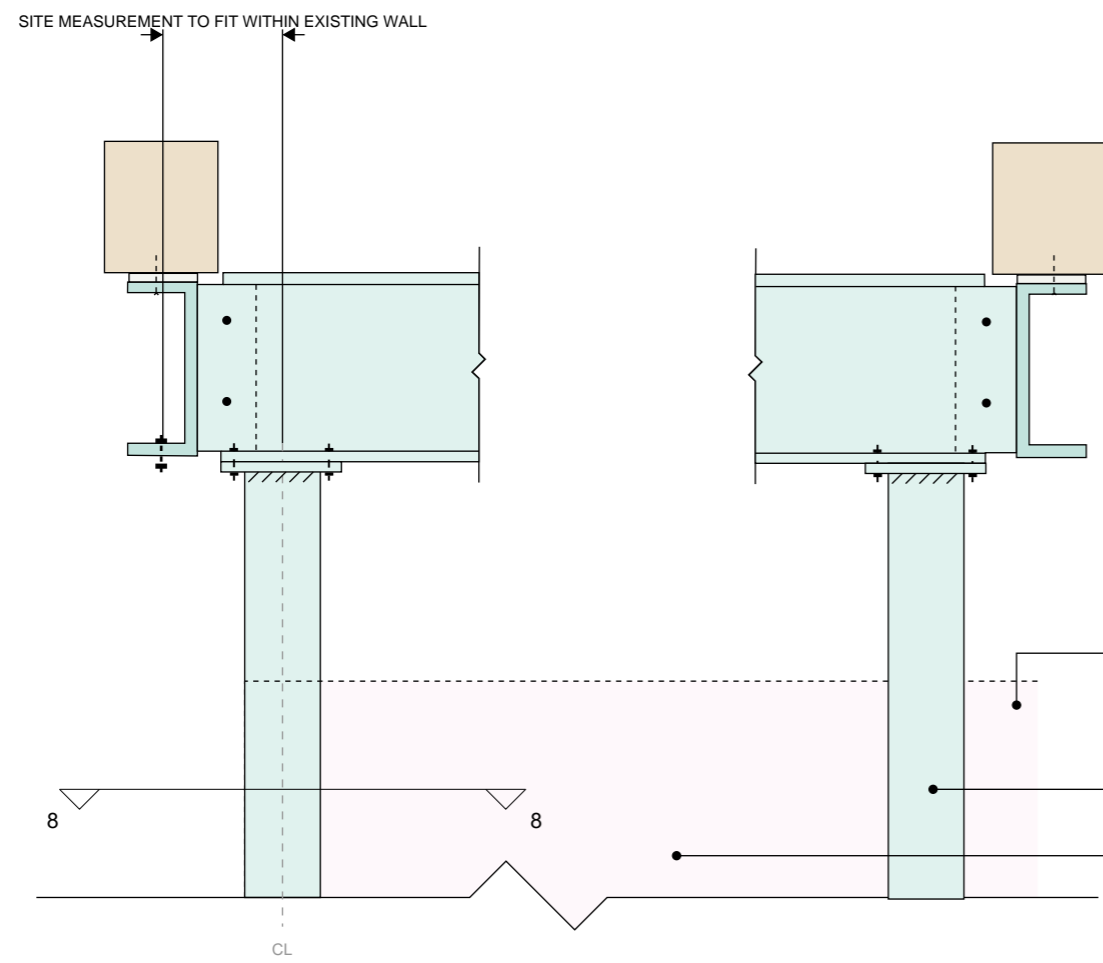


DETAIL 6 - ROOF 5 TO 6 PURLIN JUNCTION

NTS

WORK IN PROGRESS

Title: ROOF 5 & 6 WORKS - DETAIL SHEET 2
 Job: HAY'S MEWS Job no: 1378
 Sketch no.: SK-212 Date: 10/01/24 By: JP



EXISTING STUD WALL TO BE RUBUILT -
REQUIREMENTS IN ABEYANCE PENDING
COORDINATION OF MEP IN ROOF VOID

80x80x4.0 SHS

POST OFFSET FROM PURLIN TO FIT WITHIN
FOOTPRINT OF EXISTING WALL

**DETAIL 7 - ROOF 6 BOX FRAME TO
PURLIN SUPPORT**

NTS



IF EXISTING JOISTS ARE FOUND TO CLASH WITH
COLUMN BASEPLATE - EXP TO BE NOTIFIED FOR
INSPECTION

2No. GRADE 8.8 M12 RESIN ANCHORED

HILTI HY-200 OR SIMILAR APPROVED

EMBEDMENT DEPTH = 100mm

10mm THK NON-SHRINK GROUT BED OR SIMILAR
APPROVED

**DETAIL 8 - TYPICAL ROOF 6 BOX FRAME
BASE DETAIL**

NTS

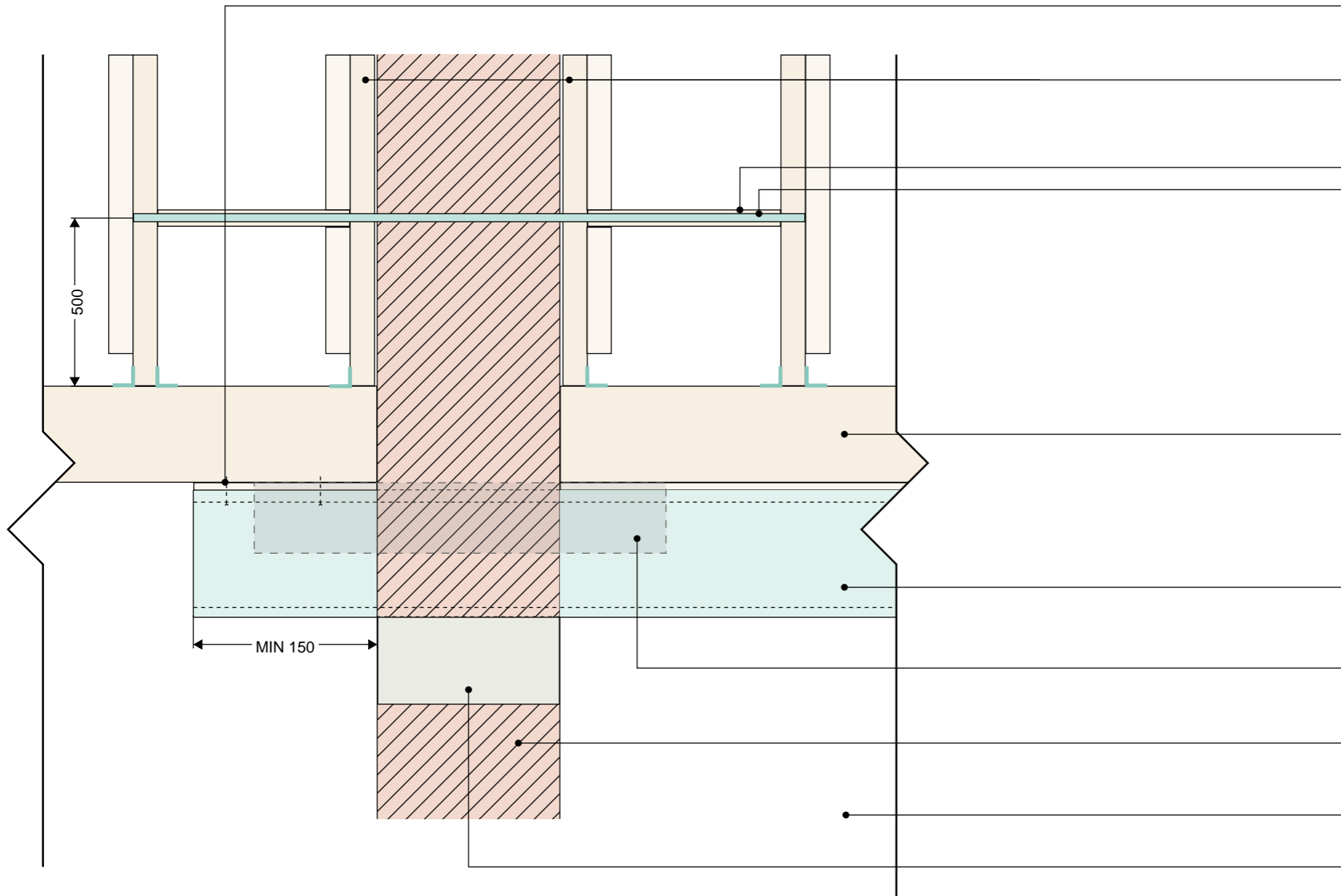
Title: ROOF 5 & 6 WORKS - DETAIL SHEET 3

Job: HAY'S MEWS Job no: 1378

Sketch no.: SK-213 Date: 10/01/24 By: JP



DETAIL TO BE REPEATED FOR PURLIN BEHIND



PFC FIXED TO EXISTING TIMBER PURLIN WITH COACH SCREW AT REGULAR CENTRES

EDGE RAFTERS REQUIRED TIGHT TO MASONRY WALL AT ALL ROOF EXTENTS

TIMBER NOGGING
STRONG-TIE FLAT STEEL STRAP FIXED TO NOGGING AND FIRST TWO RAFTERS

TEMPORARY PROPPING REQUIRED TO ALLOW STEEL INSTALLATION

230x90x32 PFC TO PASS THROUGH GABLE WALL

EXISTING DAMAGED NIB TO BE CAREFULLY REMOVED

BRICKWORK TO BE REPAIRED AND REBUILT - TOOTHED IN TO EXISTING MASONRY

LOWER RAFTERS OMITTED FOR CLARITY

215x330x150 DEEP MC PADSTONE

DETAIL 9 - ROOF 5 TO 6 PURLIN JUNCTION

1:10

Title: ROOF 5 & 6 WORKS - DETAILS SHEET 4

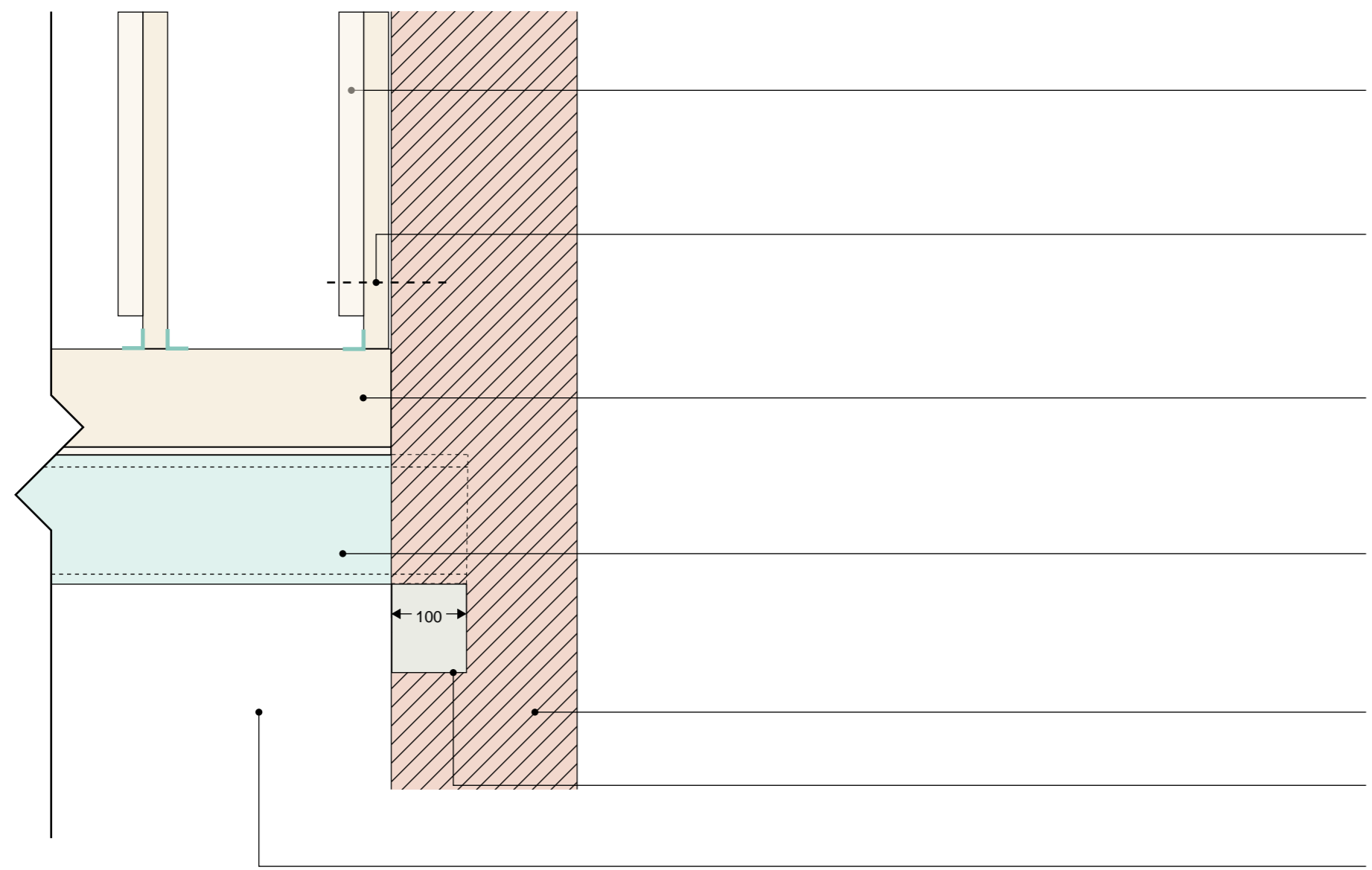
Job: HAY'S MEWS Job no: 1378

Sketch no.: SK-214 Date: 10/01/24 By: JP



DETAIL TO BE REPEATED FOR PURLIN BEHIND

DETAIL TO BE REPEATED FOR OTHER PURLIN END TO PARTY WALL



RETAINED TIMBERS TO BE CUT BACK AT HEAD AND FOOT TO ALLOW FIXING OF NEW RAFTERS

DETAIL SIMILAR FOR LOWER RAFTERS

EDGE RAFTERS REQUIRED TIGHT TO MASONRY WALL AT ALL ROOF EXTENTS

FIXED TO MASONRY WALL AT REGULAR CNTRS (MIN. AT HEAD AND TOE) WITH RESIN ANCHOR (MIN 150 EMBEDMENT) TO AVOID MORTAR JOINT AND LIE CENTRALLY TO BRICK

TEMPORARY PROPPING REQUIRED TO PURLIN TO ALLOW PADSTONE INSTALLATION

PURLIN SUPPORT BEAM TO BEAR ON PADSTONE BELOW

BRICKWORK TO BE REPAIRED AND REBUILT - TOOTHED IN TO EXISTING MASONRY

215x100x150 DEEP MC PADSTONE

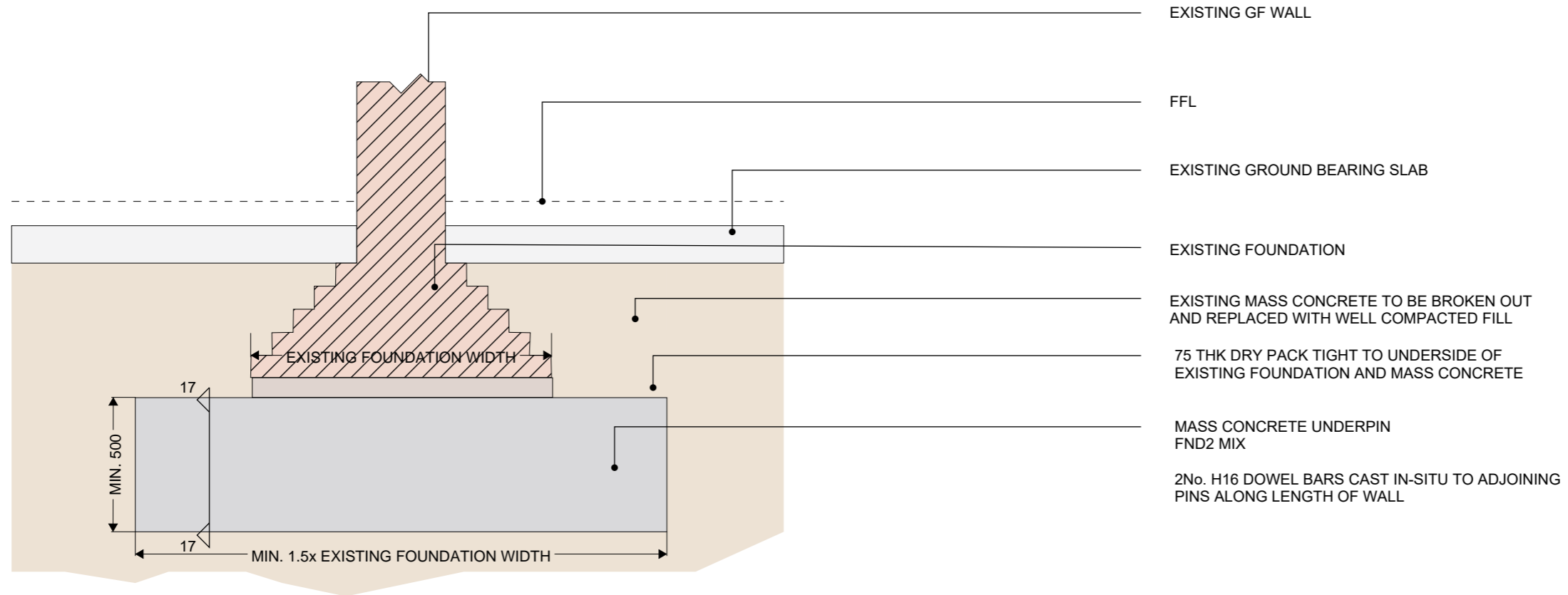
LOWER RAFTERS OMMITTED FOR CLARITY - GENERALLY RETAINED IN LISTED CEILING ZONE

DETAIL 10 - ROOF 5 PURLIN SUPPORT
1:10

Title: ROOF 5 & 6 WORKS - DETAIL SHEET 5

Job: HAY'S MEWS Job no: 1378

Sketch no.: SK-215 Date: 10/01/24 By: JP



DETAIL 11 - TYPICAL UNDERPIN TO GF WALL

NTS

Title: ROOF 5 & 6 WORKS - DETAIL SHEET 6

Job: HAY'S MEWS Job no: 1378

Sketch no.: SK-216 Date: 10/01/24 By: JP

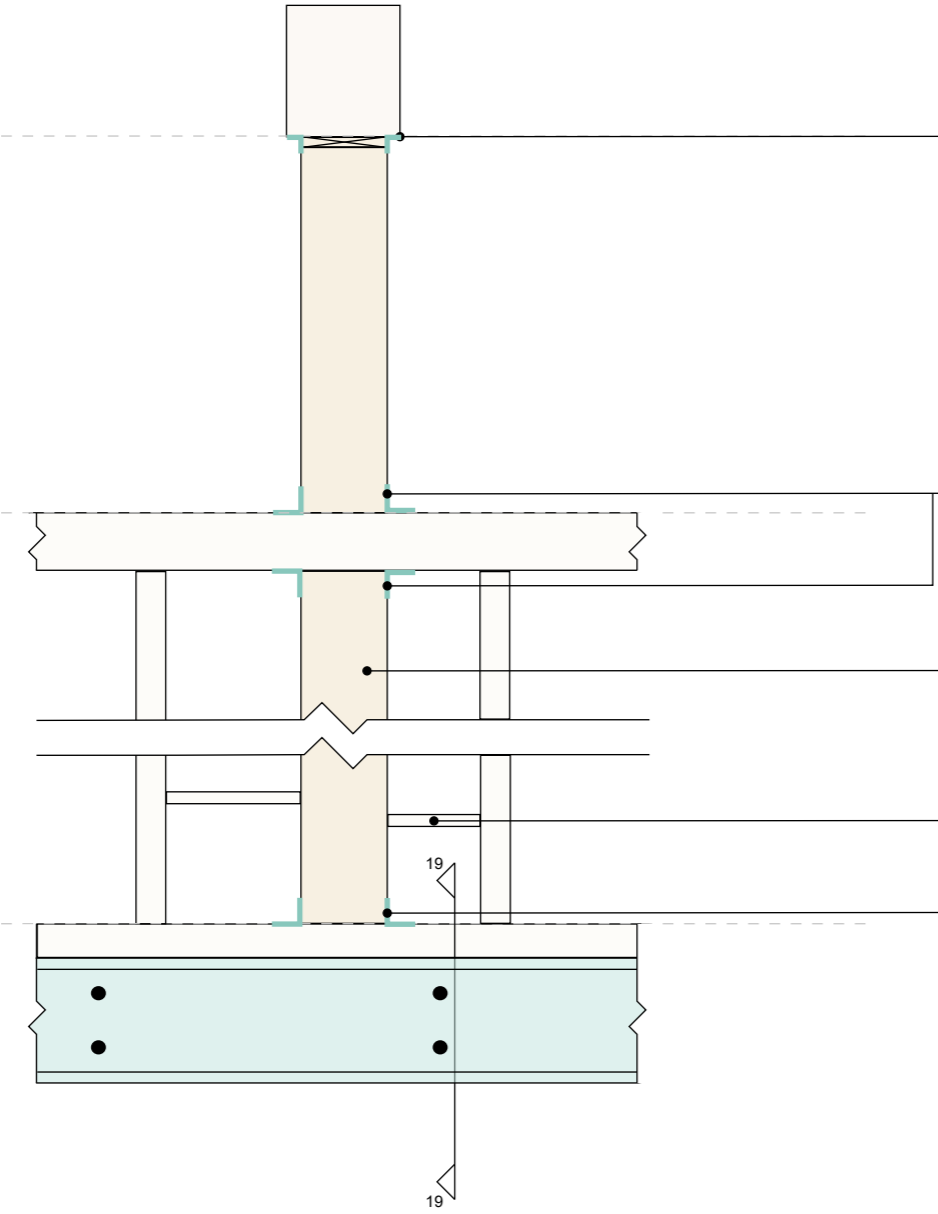


expedition

UNDERSIDE OF EXISTING PURLIN

EXISTING TOP PLATE TO STUD WALL

EXISTING SOLE PLATE AT L01



2No. STRONG-TIE FRAMING ANCHOR (A34)

2No. STRONG-TIE ANGLE BRACKETS (AB90)

100x100 C24 TIMBER POST INSTALLED TO EXISTING STUD WALL BELOW TIMBER POST

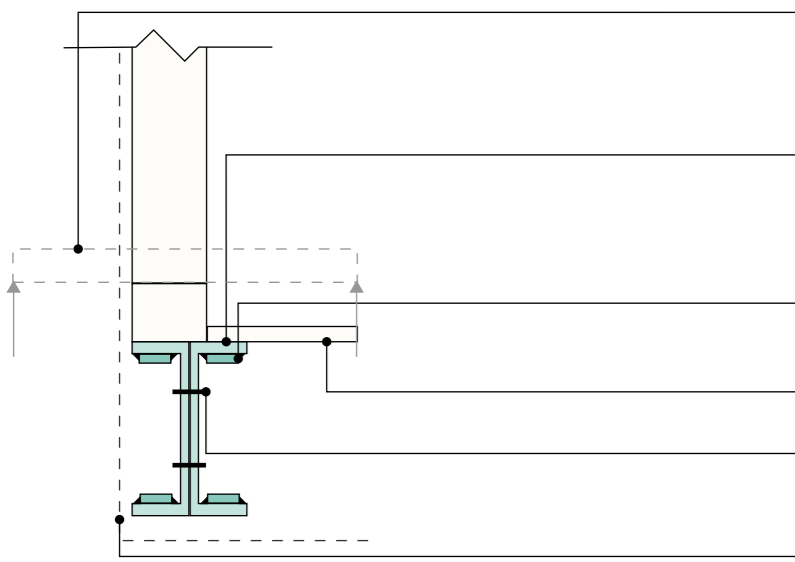
EXISTING NOGGINGS CUT BACK AND SCREWED TO NEW TIMBER POST

2No. STRONG-TIE ANGLE BRACKETS (AB90)

DETAIL REPEATED UNDER EXISTING TIMBER POST ADJACENT

DETAIL 12 - ROOF 6 PURLIN PROP

NTS



TEMPORARY PROPPING REQUIRED TO STUD WALL - ALL VERTICAL TIMBERS TO BE PROPPED

2No. 230x75x26 PFC FIXED BACK-TO-BACK AND PACKED TIGHT TO UNDERSIDE OF EXISTING SOLE PLATE

PFC LENGTH TO ALLOW INSTALLATION WITH SINGLE PFC SECTION BEARING ON WALL PLATES
40x12.5 STEEL PLATE WITH FULL STRENGTH WELD TO INNER FACE OF FLANGES ALONG FULL LENGTH

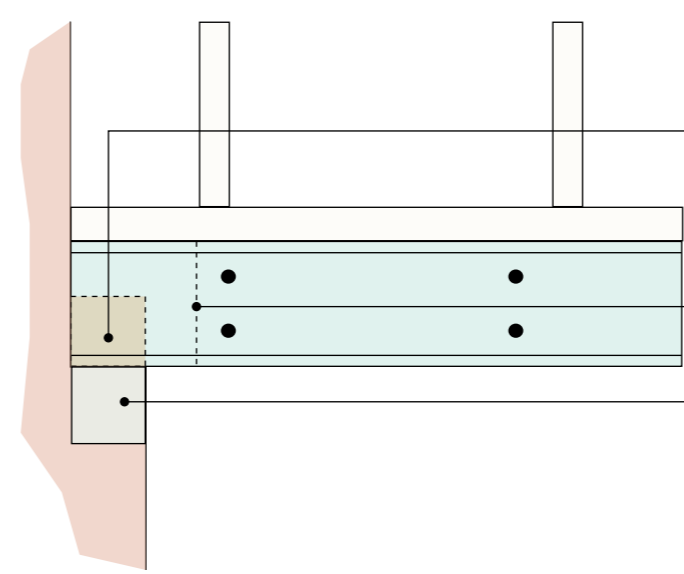
EXISTING FLOORBOARDS SUPPORTED BY STEEL FLANGE

STEEL CONNECTION BY OTHERS TO ALLOW FULL LOAD SHARING BETWEEN MEMBERS

CEILING FINISHES

DETAIL 13 - STEEL SUPPORT TO STUD WALL

NTS



WALL PLATE CUT BACK LOCALLY TO ALLOW STEEL BEARING

SECOND STEEL TO END 100mm FROM EDGE OF EXISTING BRICKWORK BELOW

330x100x150 DEEP MC PADSTONE

DETAIL REPEATED AT OTHER BEAM END

DETAIL 14 - STEEL SUPPORT BEARING

NTS

Title: ROOF 5 & 6 WORKS - DETAIL SHEET 7

Job: HAY'S MEWS

Job no: 1378

Sketch no.: SK-217

Date: 10/01/24

By: JP