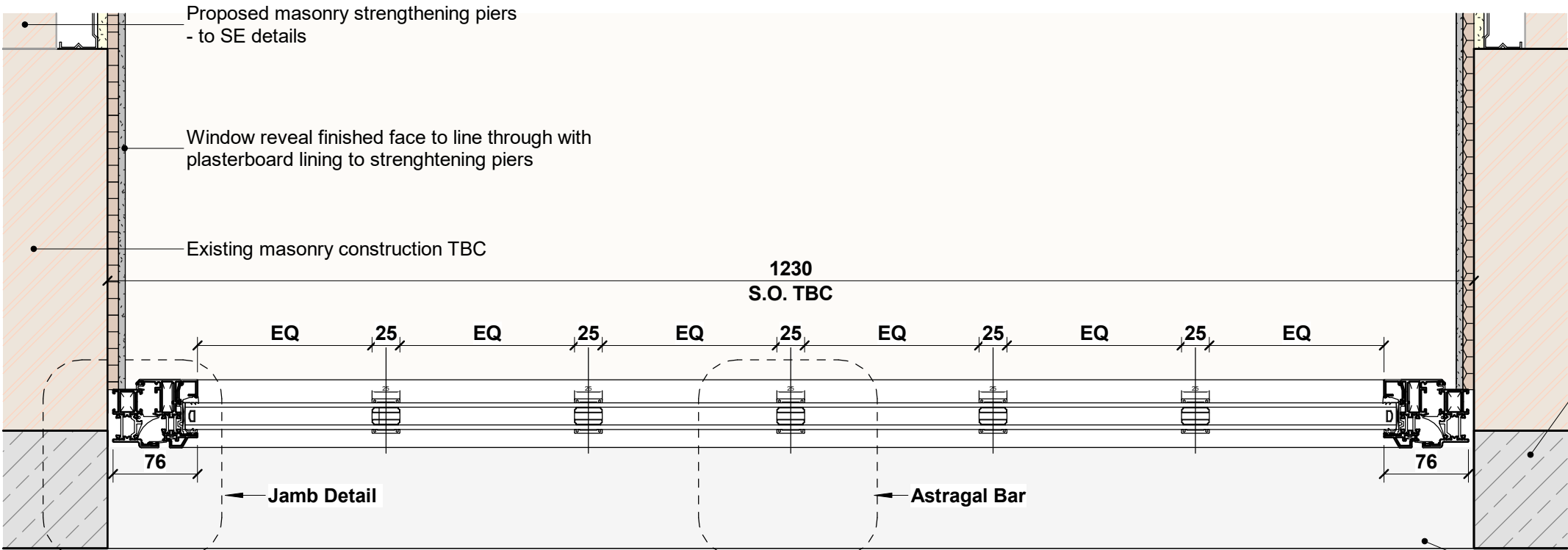




Typical Plan W03 / W04 / W05
1 : 5

THERMAL BRIDGING

Existing Wall Construction TBC (Solid / Cavity)

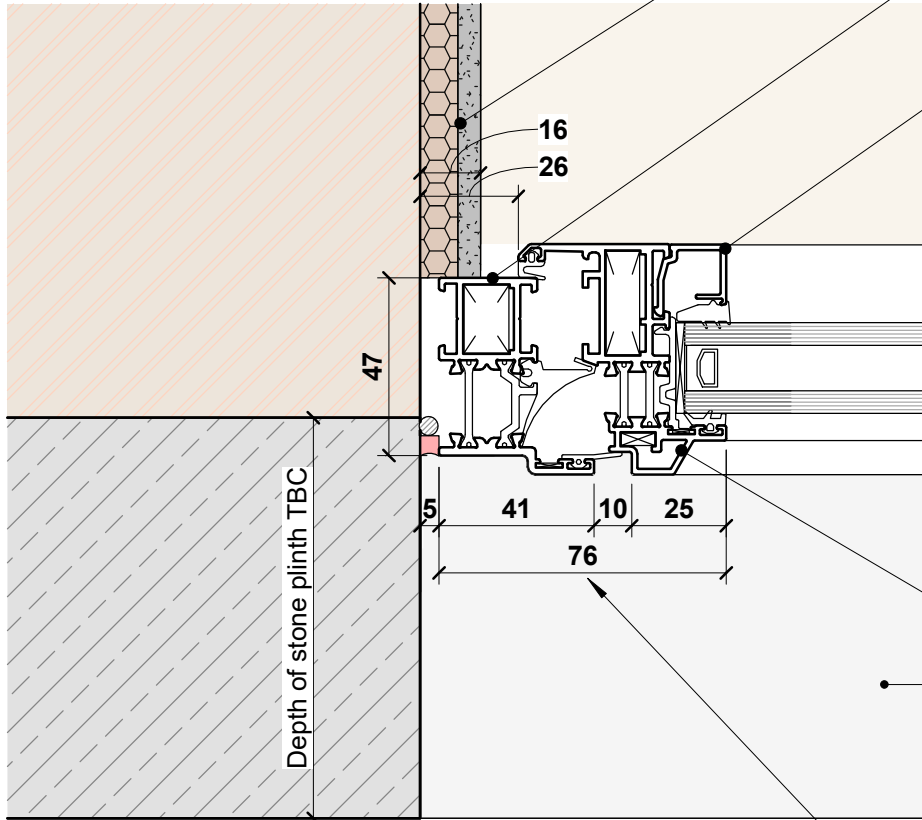
Head detail
Where existing cavity construction:
1. Masonry lintel to the inner leaf
- use angle support for outer brick leaf and cavity closer with PU / PIR insulation core.
2. No masonry lintel present
- use insulated cavity wall steel lintel with Spacetherm Multi insulated plasterboard reveal (as illustrated on details).
Where existing solid wall construction:
- apply insulated plasterboard Spacetherm Multi insulated plasterboard reveal, with minimum 10mm insulation blanket (as illustrated on details).

Cill detail
Where existing cavity construction:
- use a cavity closer with a PU/PIR insulation core to improve the thermal performance, and omit Spacetherm Multi to the underside of the window board.
Where existing solid wall construction:
- apply insulated plasterboard Spacetherm Multi insulated plasterboard under window board to prevent cold bridges, ensuring window board does not prevent window operational action - approx 5mm insulation blanket (as illustrated on details).

Jambs
Apply Spaceterm Multi insulated plasterboard to jambs – minimum 10mm insulation blanket (as illustrated on details).

Vapour Control

- VCL to be continuous throughout the insulation layer to negate any risk of condensation.
- Thermal and Condensation Risk Analysis requirement TBC.



Jamb Detail
1 : 2

Alitherm Heritage - 47mm deep aluminium trickle vent frame extension **ETD058**

Existing external wall construction TBC - Solid / Cavity

Alitherm Heritage Tilt & Turn sash **W20120**

THERMAL BRIDGING Jamb Detail -
Where practical, Spacetherm Multi to window reveals - consisting of an insulation blanket (10mm minimum) bonded to a 6mm Magnesium Oxide Board.
- Target u-value 0.7W/m2K
Note:
Energy efficiency exemption applicable due to Heritage status (refer to Part L2A / paragraph 0.12)

Alitherm Heritage - Tilt & Turn 47mm deep aluminium frame **W20110** - bottom-hung / inwards opening

Alitherm Heritage - glazing bead **W20174**

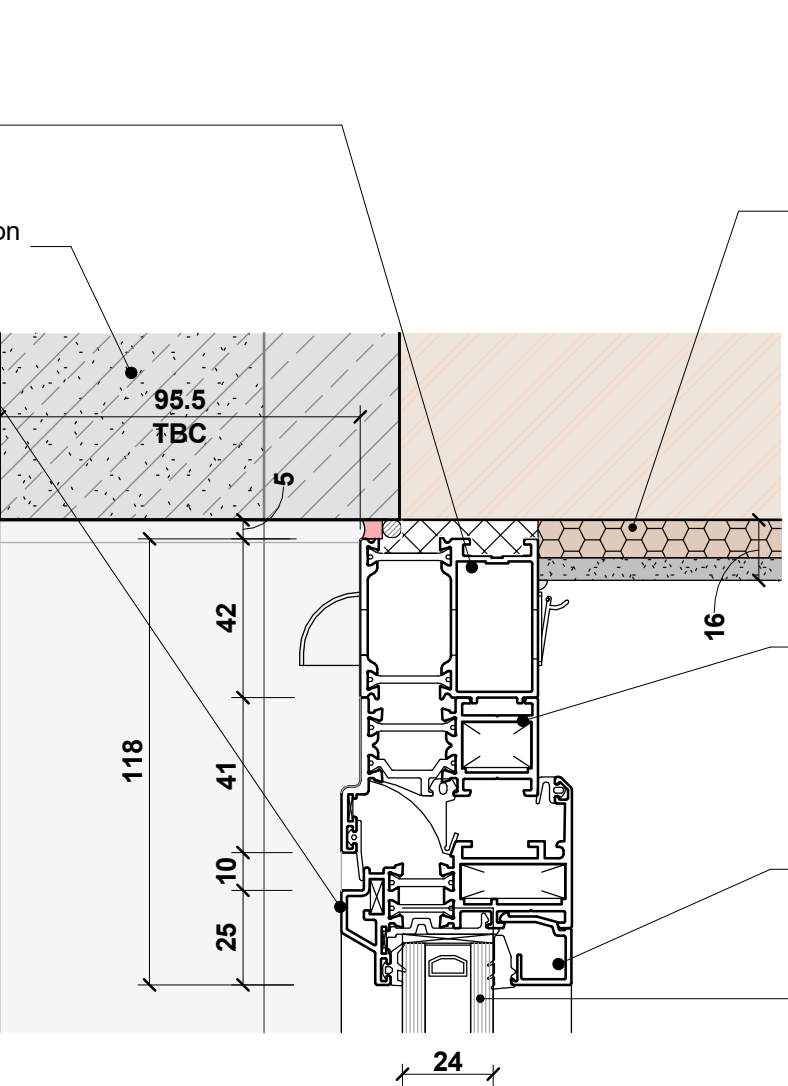
Alitherm Heritage Tilt & Turn sash **W20120**

W20110 frame to be faced drained strictly in accordance with manufacturers instructions - with drainage slots provided as per Tilt & Turn recommendations.
Important Note: All exposed aluminium to be coated using ACSIL014 or painted to match the frame.

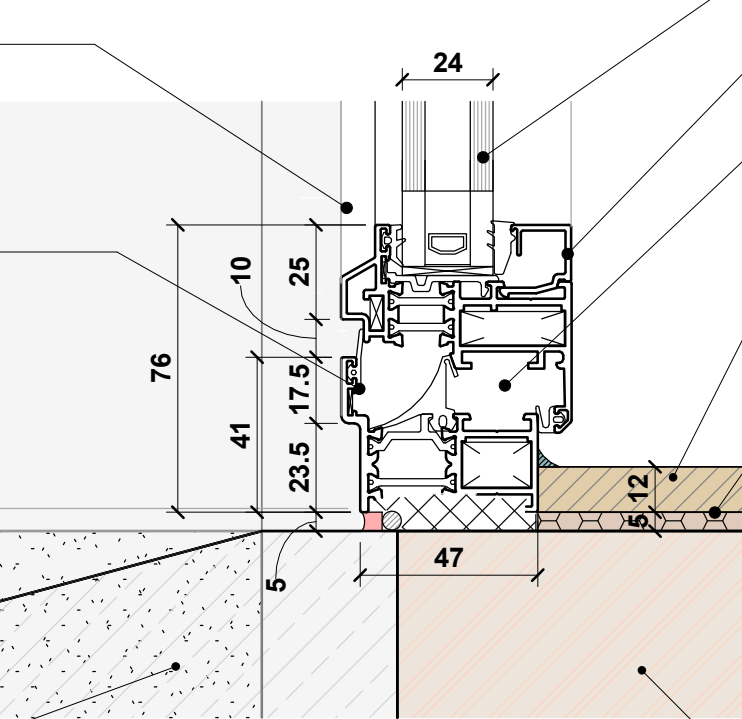
Alitherm Heritage Tilt & Turn sash **W20120**

Existing sloping stone cill (to plinth)
Note: Position of window frame to existing stone cill to manufacturers / installers recommendations.

76mm sightline



Head Detail
1 : 2



Cill Detail
1 : 2

Existing external wall construction TBC - Solid / Cavity

Depth of existing stone plinth to base of brickwork - TBC on site

Existing stone plinth

Existing wall construction / position of proposed window TBC -
Note: If existing cavity construction, a 30mm overlap is required between the cavity closer and window frame.

Existing sloping stone cill (to plinth)

THERMAL BRIDGING Head Detail
Where practical, Spacetherm Multi to windowhead reveal - consisting of an insulation blanket (10mm minimum) bonded to a 6mm Magnesium Oxide Board.
- Target u-value 0.7W/m2K
Note:
Energy efficiency exemption applicable due to Heritage status (refer to Part L2A / paragraph 0.12)

Teleflex window openers to be provided - to allow ease of opening

Alitherm Heritage - 47mm deep Tilt & Turn aluminium frame **W20110**

Existing sloping stone cill (to plinth)

Alitherm Heritage - glazing bead **W20174**

Double glazed - with low-e glass soft coating.
For glazing specification refer to adjacent notes

For glazing specification refer to adjacent notes

Alitherm Heritage - glazing bead **W20174**

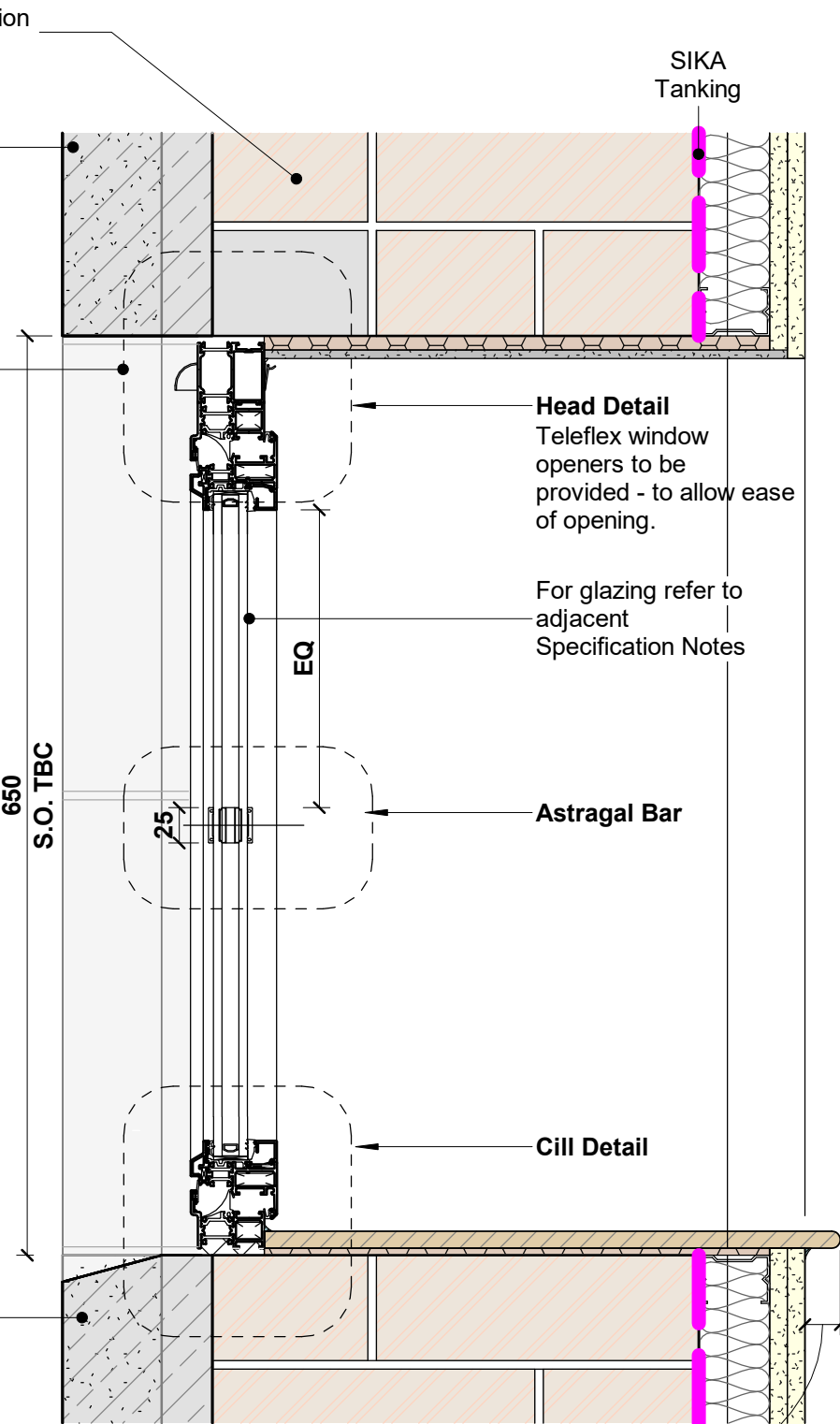
Alitherm Heritage - Tilt & Turn 47mm deep aluminium frame **W20110**

Moisture resistant MDF window board (once rounded) fixed with filling adhesive to full length - to suit cill detail

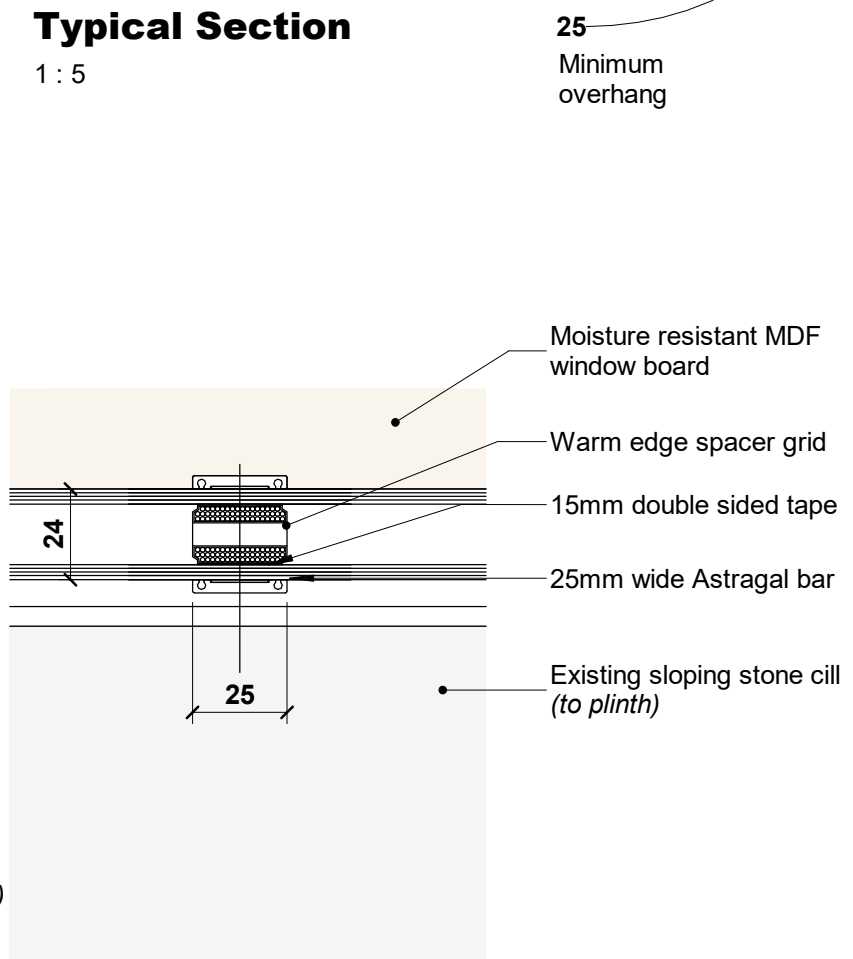
THERMAL BRIDGING Cill Detail
Where practical, Spacetherm Multi to u/s of window board - consisting of an insulation blanket (5mm) - Target u-value 0.7W/m2K
Note:
Energy efficiency exemption applicable due to Heritage status (refer to Part L2A / paragraph 0.12)
Note: Cill detail to accommodate window action.

Existing construction TBC - currently illustrated as solid

Smart Systems
Alitherm Heritage (Tilt & Turn)
- formerly Ailtherm Heritage 47



Typical Section
1 : 5



Astragal Bar
1 : 2

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 - CHECK ALL DIMENSIONS ON SITE.
 - DRAWING TO BE READ IN CONJUNCTION WITH THE HEALTH & SAFETY PLAN, AND ALL RELEVANT RISK ASSESSMENTS AND THE FOLLOWING DRAWINGS:

SPECIFICATION NOTES

Product: Smart Systems Alitherm Heritage (formerly Alitherm Heritage 47)

- Bottom-hung
- Tilt & Turn
- Inwards Opening

Finish: To match existing

Glazing Specification:
Double glazed windows with low-e glass soft coating. An obscure film may be added to the inside of the glazing post-occupancy to allow for user choice / operational requirements.
Min. Required Sound Reduction: 27 Rw + Ctr (dB)

U value:
Approved Document Part L2A states a minimum u-value requirement of 1.4 W/m²K (based on Volume 2 / Buildings Other than Dwellings)
Note: The **Alitherm Heritage** system will typically achieve a u-value of 1.5 W/m²K, with a double glazed unit / centrepane of 1.0 W/m²K
- energy efficiency exemption applicable due to Heritage status (refer to Part L2A / paragraph 0.12).

G Value: 0.63 W/m²K
Trickle Vent Specification: 40 Dn,e,w + Ctr (dB)
Ironmongery: To the approval of the Employer

Refer to Elevation 2 for locations

TO BE READ IN CONJUNCTION WITH:

- Proposed Elevations - **4201**
- Window Schedule (Sheet 2) - **4821**

C05	04.07.25	GT	Planning Issue (Condition 4 Discharge / additional information) - Lower ground office Type 3 window profiles changed to tilt and turn.
C04	06.06.25	SAC	First Construction Issue
C03	05.06.25	SAC	Planning Issue - Condition 4 Discharge
C02	02.06.25	SAC	Building Control Issue
C01	29.05.25	SAC	Pre Planning Issue - For Comment
Rev	Date	By	Remarks

Client :	Rochdale Borough Council		
Project No. / Project Name:	23-032 / Castle Inn, Rochdale		
Drawing Name:	Type 3 Cellar Windows W03, W04 & W05		
Drawing Purpose:	PLANNING ISSUE		
Project	Origin	Vol/Sys	Level
FCI - TRI - ZZ - 00 - DR - A - 4852			
Status	Scale @ A2	Drawn	Check
As indicated	SAC AD	May 25	



Tel: 0161 272 3500
E-mail: studio@trianglearchitects.co.uk
Web: www.trianglearchitects.co.uk
Twitter: @TriangleArch

Lower Ground Floor,
4 Jordan Street,
Manchester,
M15 4PY