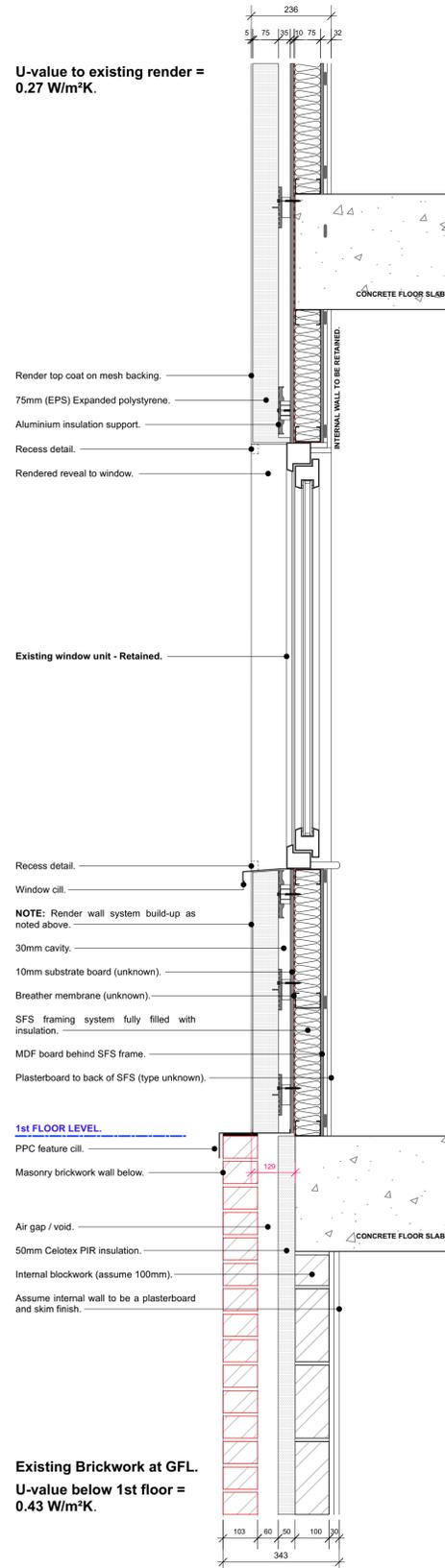


## EXISTING WALL SYSTEMS.

U-value to existing render = 0.27 W/m²K.

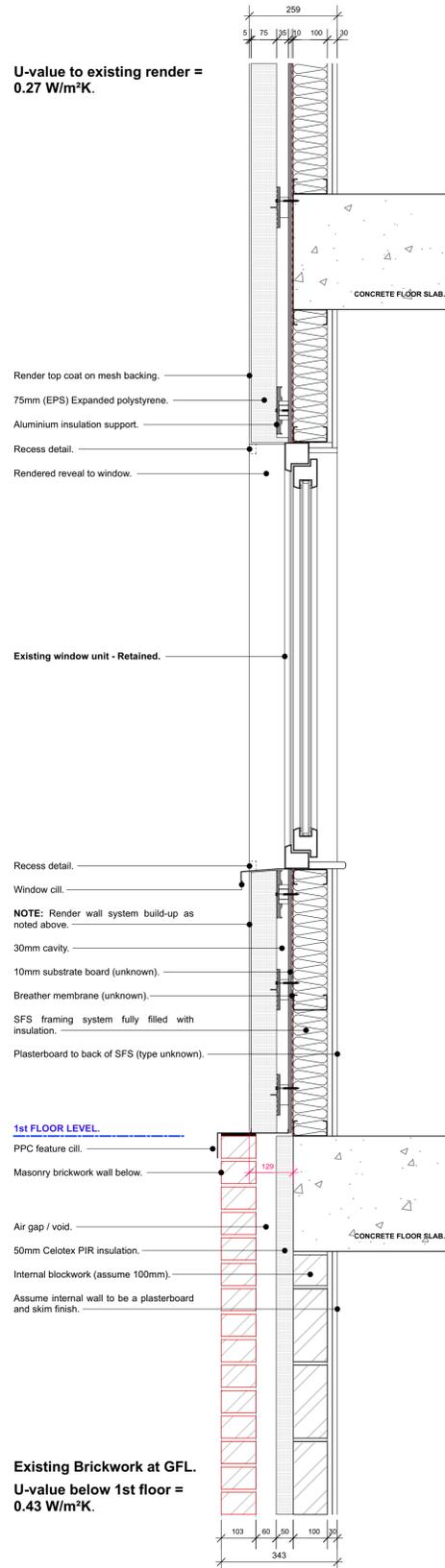


### EXISTING RENDER WALL on 75mm SFS.

U value = 0.27 W/m²K

Render top coat on mesh backing adhered to:  
75mm (EPS) Expanded polystyrene.  
30mm cavity / Aluminium insulation support.  
10mm substrate board (unknown).  
Breather membrane - green (unknown).  
Internal SFS framing system fully filled with mineral wool insulation.  
Internal plasterboard, assumed to be two layers.

U-value to existing render = 0.27 W/m²K.



### EXISTING RENDER WALL on 100mm SFS.

U value = 0.27 W/m²K

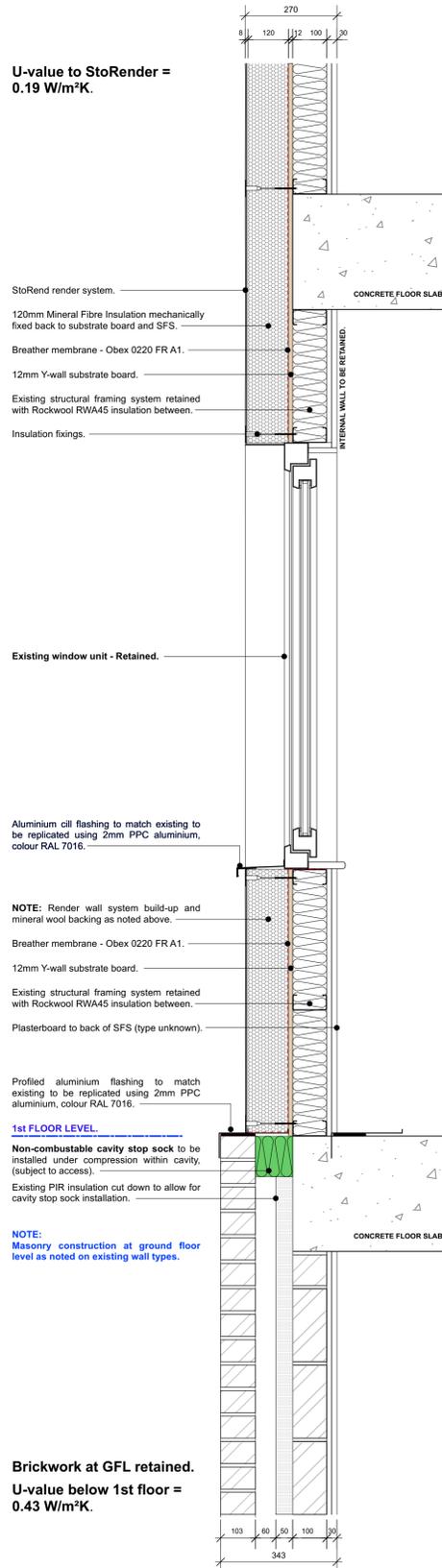
Render top coat on mesh backing adhered to:  
75mm (EPS) Expanded polystyrene.  
30mm cavity / Aluminium insulation support.  
10mm substrate board (unknown).  
Breather membrane - green (unknown).  
Internal SFS framing system fully filled with mineral wool insulation.  
Internal plasterboard, assumed to be two layers.

## PROPOSED WALL SYSTEMS.

**NOTE 1:** Open state cavity barriers - Siderise RH25-90/60 fixed back to the existing structure inline with manufactures instructions to maintain a 25mm air gap.

**NOTE 2:** Ash and Lacy: Mechslip brick slip system - Real brick slips mechanically secured to aluminium support system.

U-value to StoRender = 0.19 W/m²K.



### STO RENDER SYSTEM:

REFERENCE- WALL TYPE 5, 6, 7.  
U value = 0.19 W/m²K

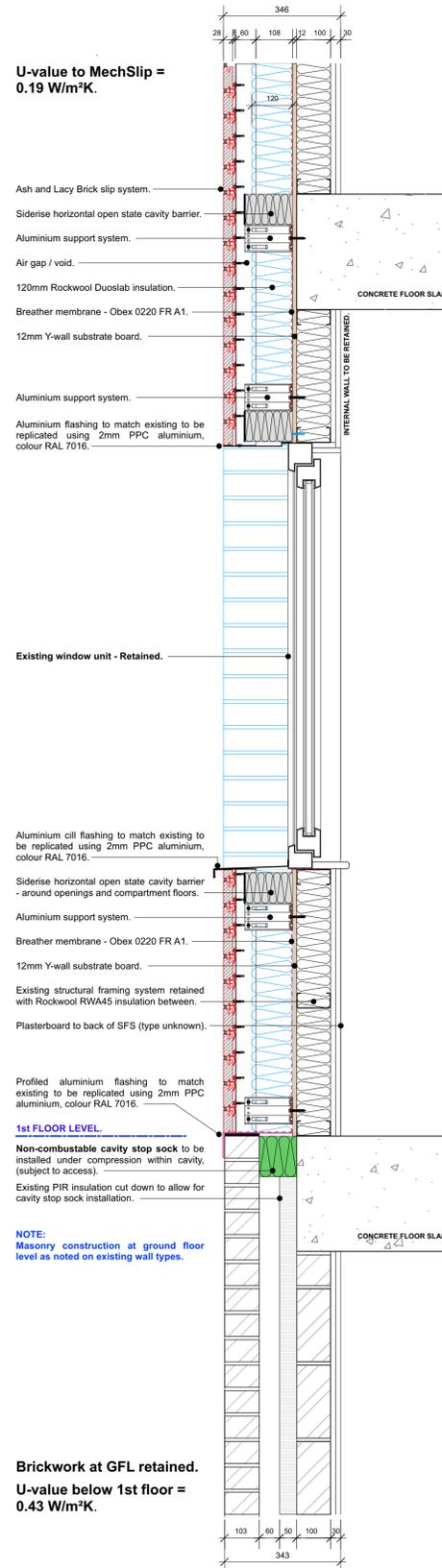
**WALL BUILD-UP:**  
Rendered decorative finish (Silicone bonded).  
Primer - Adhesive - Mesh cloth - Adhesive.  
120mm Mineral wool insulation slabs (mechanically fixed).  
Obex 0220 FR A1 - Fire rated breather membrane.  
RCM Y-wall 12mm calcium silicate sheathing board or similar approved.

**FIXED OVER:**  
Lightweight steel framing system (Rockwool RWA45 insulation within frame).  
Internal plasterboard finish.

**NOTE 1:** Cavity barriers as noted elsewhere.

**NOTE 2:** Mechslip brickslip system as noted elsewhere.

U-value to MechSlip = 0.19 W/m²K.



### BRICK SLIPS to SFS:

REFERENCE- WALL TYPE 2.  
U value = 0.19 W/m²K

**WALL BUILD-UP:**  
Ash and Lacy: Mechslip Brick slip system - fixed to:  
Aluminium brick slip support system (with air gap).  
120mm Rockwool Duoslab Insulation - (mechanically fixed back to substrate).  
Obex 0220 FR A1 - Fire rated breather membrane.  
RCM Y-wall calcium silicate sheathing board or similar approved.

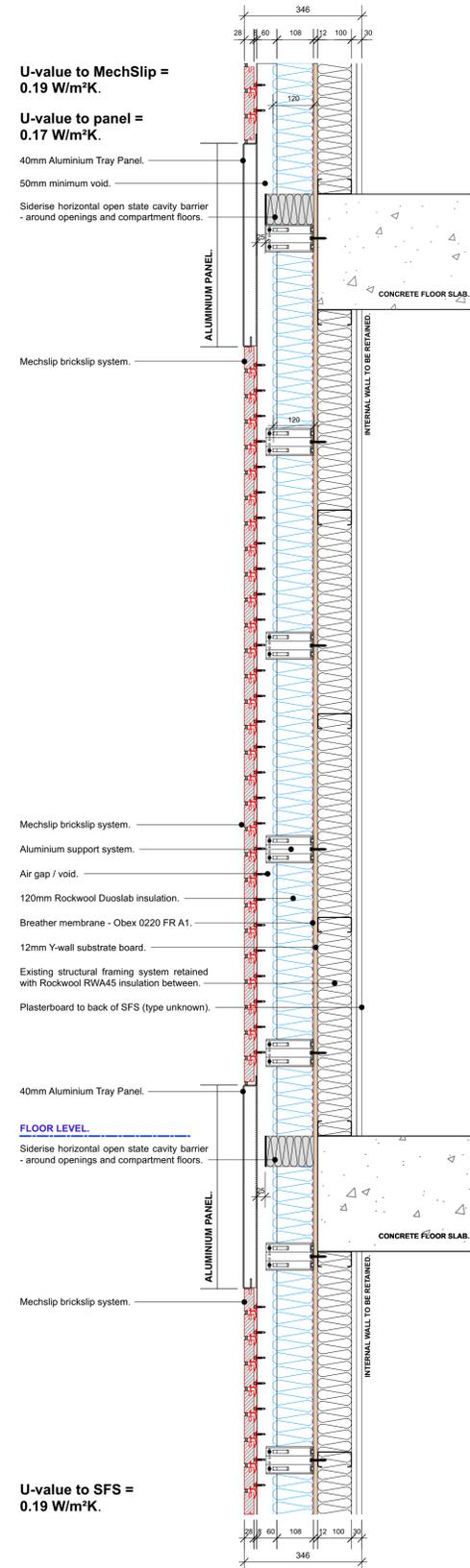
**FIXED OVER:**  
Lightweight steel framing system (Rockwool RWA45 insulation within frame).  
Internal plasterboard finish.

**NOTE 1:** Cavity barriers as noted elsewhere.

**NOTE 2:** Mechslip brickslip system as noted elsewhere.

U-value to MechSlip = 0.19 W/m²K.

U-value to panel = 0.17 W/m²K.



### 40mm PPC PANEL :

REFERENCE- WALL TYPE 3, 4.  
U value = 0.17 W/m²K

**WALL BUILD-UP:**  
40mm Aluminium Tray Panel - fixed to:  
Aluminium support system (with minimum 50mm air gap).  
120mm Rockwool Duoslab Insulation - (mechanically fixed back to substrate).  
Obex 0220 FR A1 - Fire rated breather membrane.  
12mm RCM Y-wall calcium silicate sheathing board or similar approved.

**FIXED OVER:**  
Lightweight steel framing system (Rockwool RWA45 insulation within frame).  
Internal plasterboard finish.

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Rev	Date	Description	By



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Drawing

FACADE REMEDIATION WORKS.

## EXISTING AND PROPOSED WALL SECTIONS.

Scale	Status	Date	Drawn	Checked
1:10 @ A1	TENDER	17.11.23	dh	

Drawing No.	Revision
5977-232	

5977-232