

Roof covering to be a steel profiled sheet on a 1° pitch. The roof construction is to achieve a U-value of 0.18w/m<sup>2</sup>k. This construction is to be laid on 250mm thick precast concrete floor slabs. Roof system based on River-therm secret fix system (CA Group) or similar and approved.

Ventilation louvers incorporated within the glazing system linked to the BMS. Locations highlighted on the Elevations. Spandrel panels where not required.

Windows to be an aluminium glazing system fitted external louvers providing solar control.

Glazing to be hermetically sealed double glazed units. Anti-sun outer pane to western elevations only if required. Finish to be dark grey powder coated aluminium. Exact colour tbc. Operable windows will be required as per the elevations. Window system to achieve 1.8w/m<sup>2</sup>k.

First floor construction to be 80mm concrete screed on 70mm rigid insulation on a 250mm thick precast concrete floor slab. 250mm thick precast concrete slabs supported via steel angles fixed to the Durisol block to the in-situ infill via specialist detail.

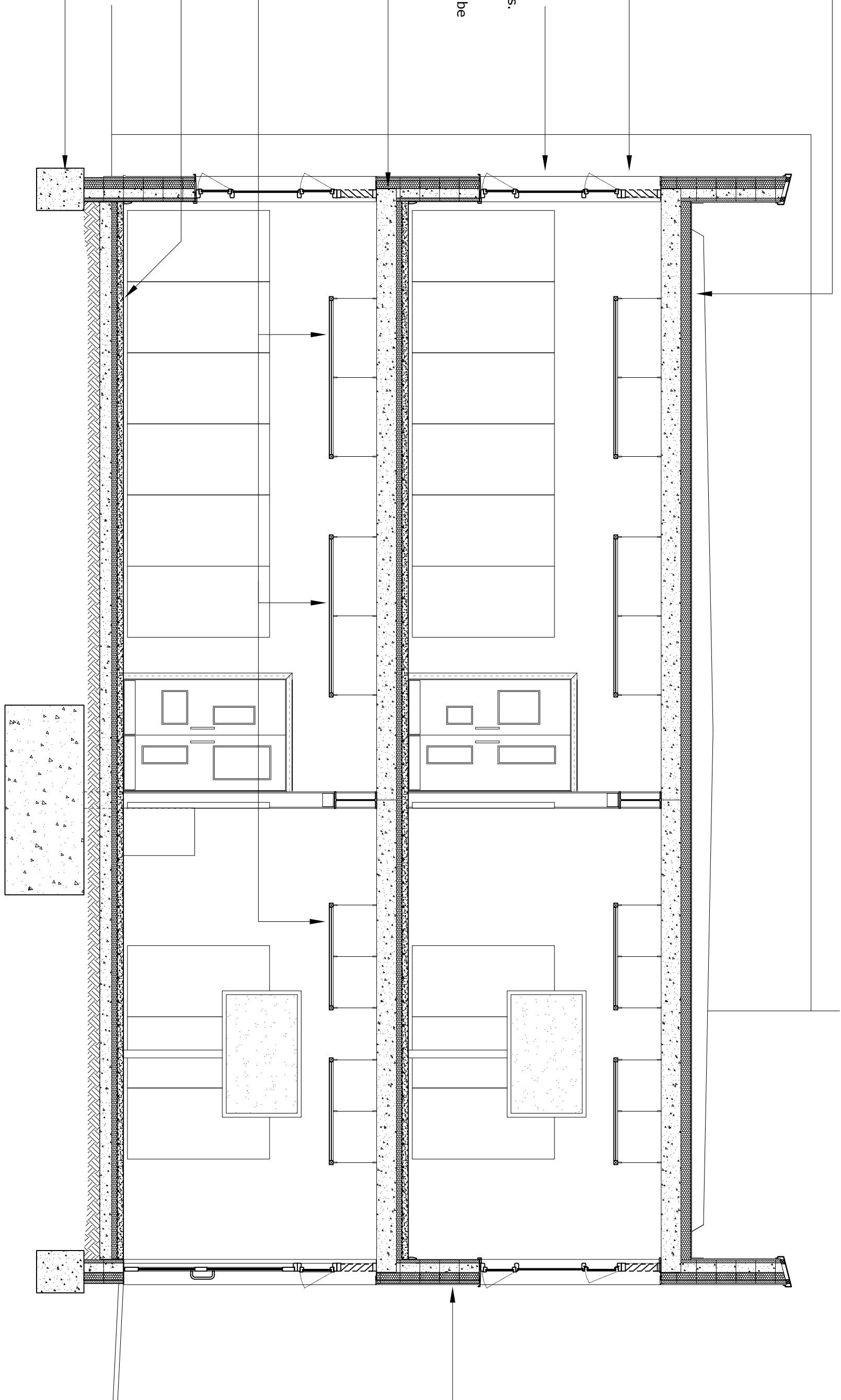
Ceiling panels to be Armstrong Optima. Refer to ceiling plans for size and location.

Ground floor construction to be 80mm concrete screed with underfloor heating pipes laid within, laid on 70mm rigid insulation. All laid on an in-situ concrete slab to structural engineer's details. Ground floor construction to achieve a U-value of 2.2w/m<sup>2</sup>k.

In-situ concrete foundation to structural engineer's design

## SECTION B-B

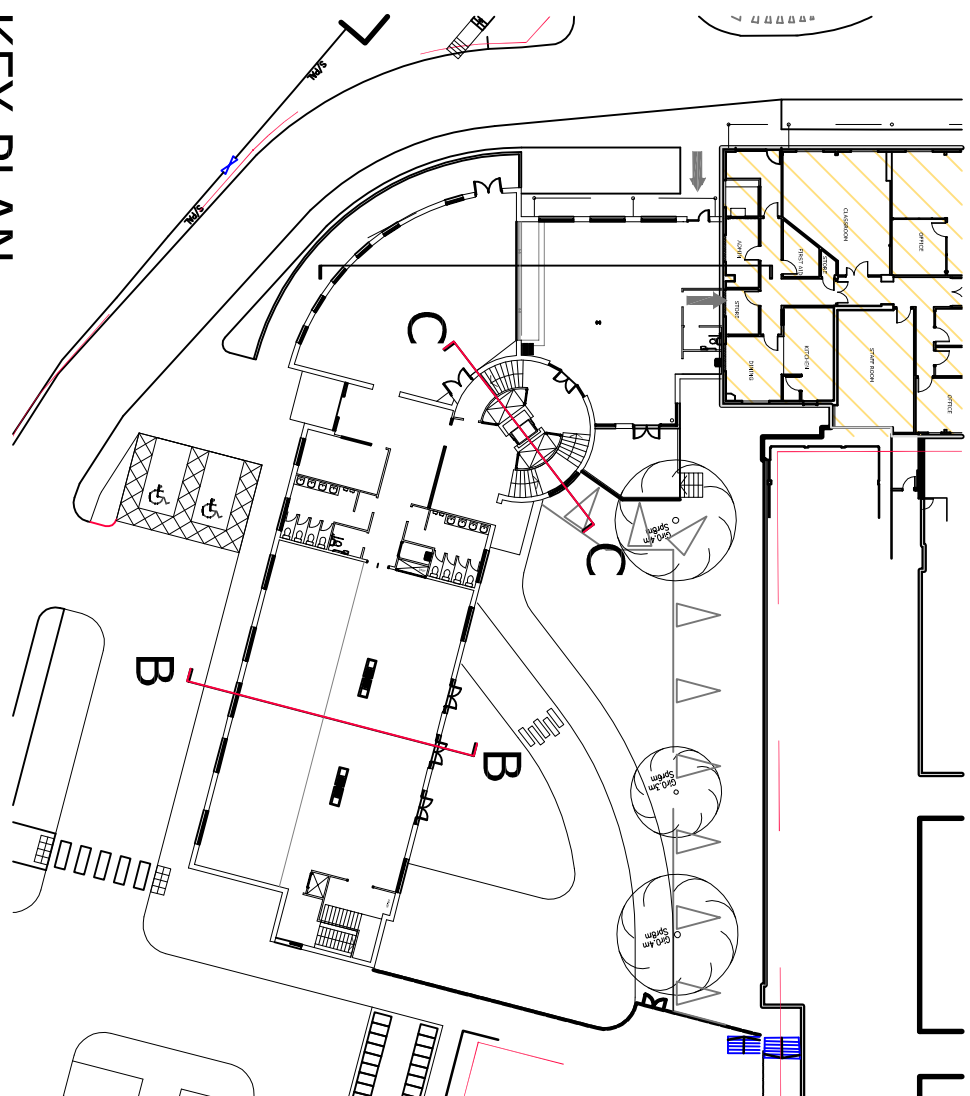
Scale 1:50



External walls to be Durisol D300/120 block with PUR insulation finished internally with an internal self finished Parexel interior DPR self coating and externally with a Parexel exterior DPR self coating and externally with a Parexel exterior DPR self coating and externally with a Parexel exterior DPR self coating. Dragged finish to curved elements and smooth to flat. Colours specified on performance specification. External walls to achieve 0.24w/m<sup>2</sup>k.

## KEY PLAN

Scale 1:500



Roof covering to be a steel profiled sheet on a 1° pitch. It is to achieve a U-value of 0.18w/m<sup>2</sup>k. This construction is to be laid on 250mm thick precast concrete floor slabs. Roof system based on River-therm secret fix system (CA Group) or similar and approved.

External walls to be Durisol D300/120 block with PUR insulation finished internally with an internal self finished Parexel interior DPR self coating and externally with a Parexel exterior DPR self coating. Dragged finish to curved elements and smooth to flat. Colours specified on performance specification. External walls to achieve 0.24w/m<sup>2</sup>k.

100mm thick internal blockwork wall to service risers.

Precast concrete stairs to main rotunda.

Windows to be an aluminium glazing system fitted external louvers providing solar control. Glazing to be hermetically sealed double glazed units. Anti-sun outer pane to western elevations only if required. Finish to be dark grey powder coated aluminium. Exact colour tbc. Operable windows will be required as per the elevations. Window system to achieve 1.8w/m<sup>2</sup>k.

Ventilation louvers incorporated within the glazing system linked to the BMS. Locations highlighted on the Elevations.

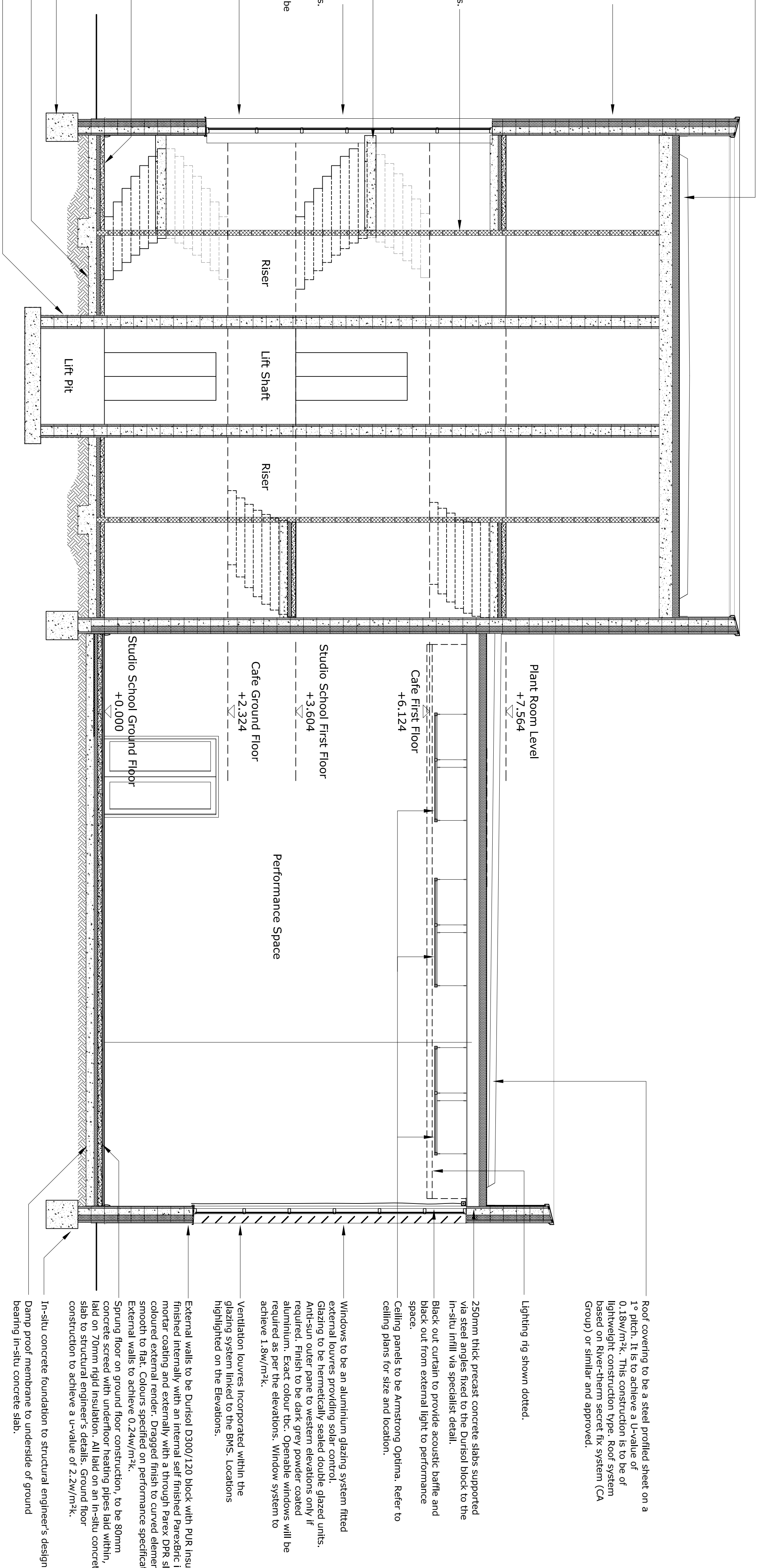
Ground floor construction to be 80mm concrete screed with underfloor heating pipes laid within, laid on 70mm rigid insulation. All laid on an in-situ concrete slab to structural engineer's details. Ground floor construction to achieve a U-value of 2.2w/m<sup>2</sup>k.

In-situ concrete foundation to structural engineer's design

Damp proof membrane to underside of ground bearing in-situ concrete slab.

## SECTION C-C

Scale 1:50



Roof covering to be a steel profiled sheet on a 1° pitch. It is to achieve a U-value of 0.18w/m<sup>2</sup>k. This construction is to be of lightweight construction type. Roof system based on River-therm secret fix system (CA Group) or similar and approved.

Lighting rig shown dotted.

250mm thick precast concrete slabs supported via steel angles fixed to the Durisol block to the in-situ infill via specialist detail.

Black out curtain to provide acoustic barrier and black out from external light to performance space.

Ceiling panels to be Armstrong Optima. Refer to ceiling plans for size and location.

Windows to be an aluminium glazing system fitted external louvers providing solar control. Glazing to be hermetically sealed double glazed units. Anti-sun outer pane to western elevations only if required. Finish to be dark grey powder coated aluminium. Exact colour tbc. Operable windows will be required as per the elevations. Window system to achieve 1.8w/m<sup>2</sup>k.

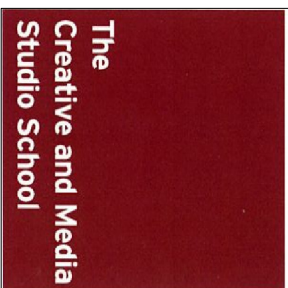
Ventilation louvers incorporated within the glazing system linked to the BMS. Locations highlighted on the Elevations.

External walls to be Durisol D300/120 block with PUR insulation finished internally with an internal self finished Parexel interior mortar coating and externally with a through Parex DPR self coloured external render. Dragged finish to curved elements and smooth to flat. Colours specified on performance specification.

External walls to be Durisol D300/120 block with PUR insulation finished internally with an internal self finished Parexel interior mortar coating and externally with a through Parex DPR self coloured external render. Dragged finish to curved elements and smooth to flat. Colours specified on performance specification.

In-situ concrete foundation to structural engineer's design

Damp proof membrane to underside of ground bearing in-situ concrete slab.



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Sections B-B and C-C

Drawing status: Preliminary  
CAD reference: 8793X509  
Drawn: RR  
Team: CH  
Date: 20/07/2011  
Scale: 1:50 @ A1

Project no: 8793  
DWG no: B102  
Rev: -