

**Roof to third floor**  
 Target U value 0.13 WM2K  
 Single ply membrane 2mm  
 Fully adhered mineral wool insulation 200mm  
 Cementitious board (18mm x 3) 54mm  
 Vapour control layer 2mm  
 Perforated metal deck, with mineral wool fill to troughs 159mm  
 Steel beams (set to fall) 650mm  
 Fall at 1 degree 220mm  
 Lighting grid 125mm  
 Clear height (Below) 4000mm

**Roof to second floor (Inverted)**  
 Target U value 0.13 WM2K  
 Paving slabs as ballast 50mm  
 Insulation 300mm (No fall)  
 Single ply membrane 2mm  
 Concrete slab (Level TBC) 225mm  
 Downstand beams with acoustic baffles and services between 650mm  
 Zone for acoustic ceiling including acoustic hangers, mass barriers and layers of dense plasterboard below performance spaces (TBC) 200mm between beams.  
 Lighting grid 125mm  
 Clear height (Below) 4000mm

**Second Floor**  
 Carpet/ vinyl floor finish (Notional) 5mm  
 Zone for:  
 Acoustic floating floor including cementitious board and mass barriers (120mm min. And sprung floor (91mm min) to performance spaces.  
 Or  
 Raised access floor including galvanised floor pans and acoustic pads to pedestals to circulation spaces.  
 Or  
 75mm screed on 140mm void former to WCs.  
 215mm Overall  
 Concrete slab 300mm  
 Zone for acoustic ceiling including acoustic hangers, mass barriers and layers of dense plasterboard below performance spaces (TBC) 200mm  
 Zone for services TBC  
 Zone for ceiling rails / MF/ Grid 65mm  
 Clear height (Below) 2700mm (Min)

**First Floor**  
 Carpet/ vinyl floor finish (Notional) 5mm  
 Raised access floor including galvanised floor pans (40mm) and acoustic pads to pedestals to circulation spaces 150mm  
 Concrete slab 300mm  
 Zone for services TBC  
 Zone for ceiling rails / MF/ Grid 65mm  
 250mm insulated soffit required to turning area with finish to match walls over U value 0.15 WM2K.  
 Clear height (Below) 4000mm

**Ground Floor**  
 Floor finish zone (timber) 20mm  
 Floating Screed or concrete 75mm  
 Acoustic resilient layer 10mm  
 Concrete slab 300mm  
 Note 800mm step in RC slab to loading bay area.  
 Zone for services TBC  
 Zone for acoustic ceiling including acoustic sprung hangers, mass barriers and layers of dense cementitious, 12mm plywood for support of services board above music spaces 220mm  
 Services zone TBC  
 Notional ceiling zone 65mm  
 Clear height (Below) 2700mm

**Basement Floor**  
 Target U value 0.15 WM2K  
 Perimeter 144m/Area 1000m<sup>2</sup> Ratio 0.14  
 Carpet/ vinyl floor finish (Notional) 5mm  
 Zone for:  
 Acoustic floating floor including cementitious board and mass barriers (100mm min) to music spaces.  
 Or  
 Raised access floor including galvanised floor pans (40mm) and pedestals to circulation spaces.  
 Or  
 75mm screed on 25mm void former to plant and kitchen / WC spaces. 100mm  
 Reinforced concrete slab 100mm  
 Insulation 160mm  
 Drainage layer (To BS102:2009 Grade 3, Type C) 20mm  
 Ground bearing slab (waterproof concrete)  
 300mm with 100mm deep perimeter recess for drainage.

**External wall (Third floor Translucent)**  
 Target U value 0.15 WM2K  
 Full height warm wall, standing seam metal cladding with mineral wool insulation 260.  
 Metal liner panel 32mm.  
 SFS 180mm  
 Air gap to allow flush internal wall finish.  
 1 Studs 92mm  
 VCL  
 2 x plasterboard 25mm  
 Plaster skim and painted finish 3mm

**Third Floor**  
 Carpet/ vinyl floor finish (Notional) 5mm  
 Zone for:  
 Acoustic floating floor including cementitious board and mass barriers (120mm min. And sprung floor (91mm min) to performance spaces.  
 Or  
 Raised access floor including galvanised floor pans and acoustic pads to pedestals to circulation spaces.  
 Or  
 75mm screed on 140mm void former to WCs.  
 215mm Overall  
 Concrete slab 300mm  
 Zone for services TBC  
 Zone for ceiling rails / MF/ Grid 65mm  
 Clear height (Below) 2700mm (Min)  
 250mm Insulated soffit required to overhang with finish to match wall's over.  
 U value 0.15 WM2K.

**External wall (Brick)**  
 Target U value 0.15 WM2K  
 Face brick 103mm  
 Full fill cavity insulation (Mineral wool) 150mm  
 Cementitious board 12mm  
 SFS 180mm  
 2 x plasterboard 25mm  
 Plaster skim and painted finish 3mm

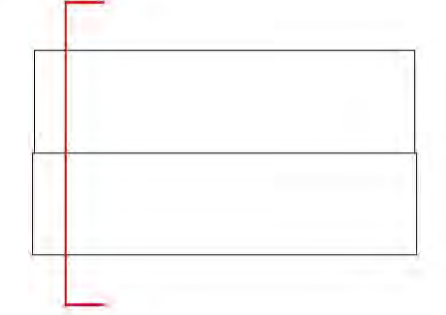
**External wall (Render)**  
 Target U value 0.15 WM2K  
 External insulated render Stootherm mineral wool insulated render (240mm + 20mm cavity+ 10mm finish) 270mm  
 Cementitious board 12mm  
 SFS 180mm  
 2 x plasterboard 25mm  
 Plaster skim and painted finish 3mm

**External wall (Render)**  
 Target U value 0.15 WM2K  
 External insulated render Stootherm mineral wool insulated render (240mm + 20mm cavity+ 10mm finish) 270mm  
 Cementitious board 12mm  
 SFS 180mm  
 2 x plasterboard 25mm  
 Plaster skim and painted finish 3mm

**Curtain walling**  
 Target U value 1.0 WM2K  
 Schuco curtain wall system to include the following:  
 T - Translucent film applied to internal face of glass  
 C - Clear glass, Glass to be 28mm DGU laminated and toughened glass, argon fill and low E coating. G value 0.4 (65% min VLT).  
 A - Insulated panel with anodised aluminium finish to match building opposite (Dark blue grey)  
 AA - Insulated panel with anodised aluminium finish. (Colour TBC)  
 M - Mullions have been set at 200 x 50mm with capless external finish generally. FWS50SG  
 D - Doors. ADS 75HDH1 with anti-finger trap hinge.  
 P - Pivot doors TBC  
 W - Windows to have side fixed friction stay include 100mm max opening restrictors. AWS75SISG with over bonded glass.  
 L - Renson weathering louvre with 75mm pitch and PPC finish.  
 G - Coloured glass panels. Colour TBC but include a range of six different shades.  
 F - Projecting fins are to be between 300 and 450mm projecting cover caps. 230mm

**External wall (Below ground)**  
 Target U value 0.15 WM2K  
 Contiguous piled wall 600mm dia.  
 Waterproof concrete liner wall 200mm  
 Drainage layer (To BS102:2009 Grade 3, Type C) 10mm  
 Insulation (200mm OA between studs) 110mm  
 1 Studs 92mm  
 2 x plasterboard 12.5mm, 25mm  
 Plaster skim and painted finish 3mm (Where not concealed)  
 Allow for an additional 25mm air gap 92mm 1 stud with acoustic quilt and 2 x plasterboard with plaster skim and painted finish to music rooms (one side). 145mm  
 Allow for 50mm thick internal acoustic wall panel with melamine foam and fabric face to music rooms. 50mm

KEY PLAN:



**1 SECTION A**  
 1 : 100

REVISION	DATE	DESCRIPTION	ARCHITECT	PARTNER
S2 P 1	01/05/19	Stage 3 Issue	ADP	ADP
S2 P 2	05/06/19	Planning Issue	ADP	ADP

CHECK ALL DIMENSIONS AND VERIFY ON SITE. REPORT ANY ERRORS OR OMISSIONS

PLANNING

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JOB TITLE:  
**THE FORUM 2**

DRAWING TITLE:  
**SECTION A**

SCALE: **1 : 100** DRAWING SHEET SIZE: **A1**

JOB CODE: **ESQ3** DRAWING NUMBER: **ADP-XX-ZZ-DR-A-1230** REVISION: **S2 P 2**