

**New penthouse roof**  
*Rigisystems EcoZip or similar:*  
 - 150mm structural metal deck tbc.  
 - Vapour barrier.  
 - Tophat sections at 45'.  
 - 160mm compressed thermal insulation.  
 - RigiSystems Ziptok sheet on thermohalters (standing roof sections).  
 - Drainage layer.  
 - Planting substrate.  
 \*1/60 slope given by side walls

**New external penthouse walls**  
*Kingspan Benchmark metallic interlocking plank + carrier panel:*  
 - 2 layers of plasterboard with vapour check membrane.  
 - 150mm metallic section stud wall filled with rockwool insulation.  
 - Benchmark carrier panel 60mm thick.  
 - Benchmark vertical aluminum tophat.  
 - Benchmark interlocking plank with copper finish.

**New balustrade and handrail detail**  
*icon CUBE Modular Handrail & Balustrade System by Handrail Design Limited.*  
 Glass infill panel.

**New penthouse floor**  
 - 356x127x33UB raised from existing roof level.  
 - 220x44xC24 timber joists.  
 - 20mm decking.  
 - 100mm insulation Celotex FR5000.  
 - 65mm screed to underfloor heating system.  
 - Floor finish.

**Existing external walls**  
 British Gypsum Gyproc thermaline PIR 63mm board mechanically fixed to internal side of existing walls

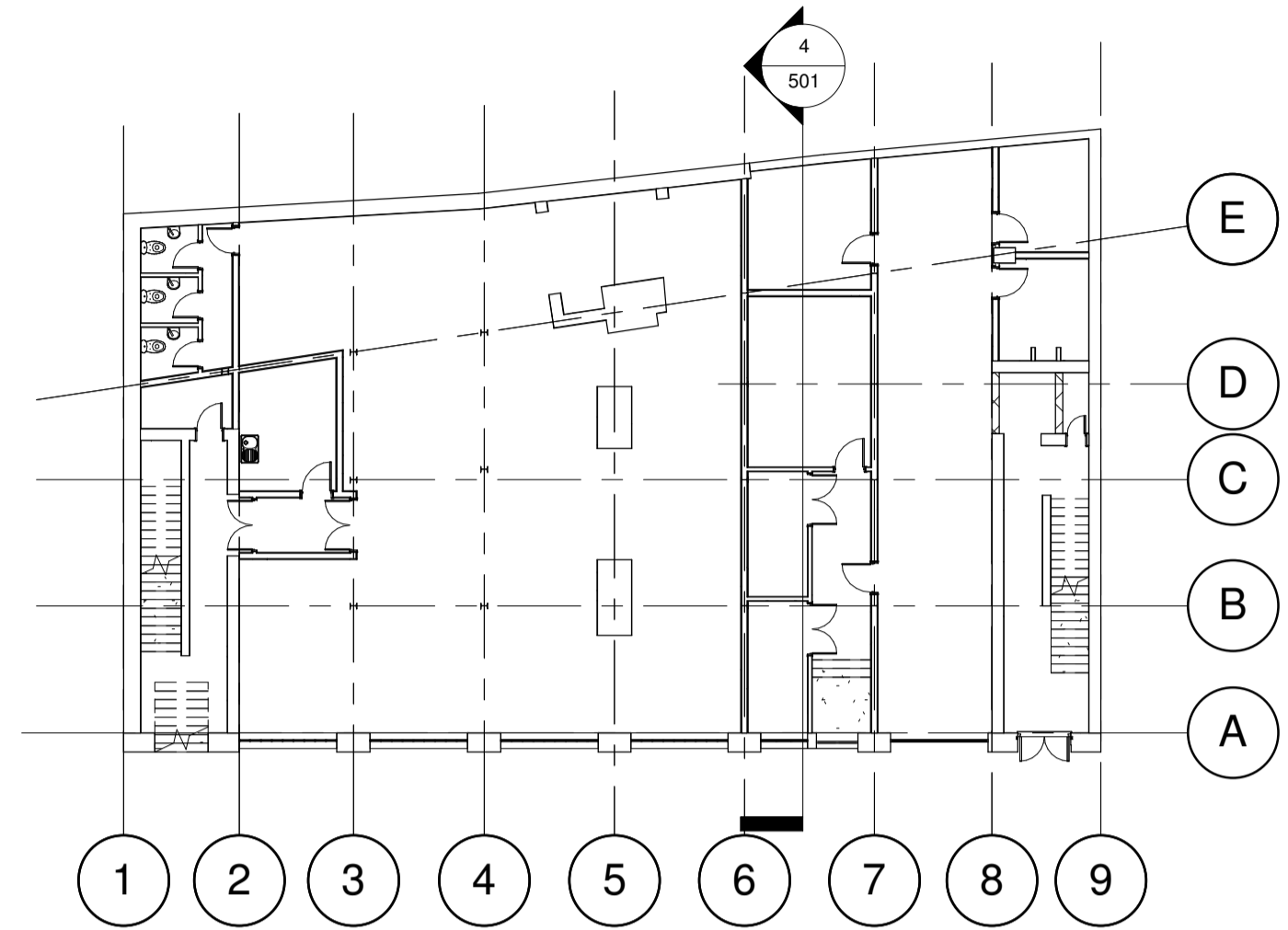
**Suspended ceiling between apartments and B1 area**  
 - 2x12.5mm of fireline plasterboard to the underside of existing joists.  
 - Casoline MF type suspended ceiling with double skin of 15mm Gyproc Soundblock with plaster skim finish, leaving a minimum cavity of 227mm.  
 - 100mm Isover insulation over suspended ceiling.

**Glazed roof to be refurbished.**  
*Kingspan insulated panel KS1000FC or similar.*  
 - 203x133x25 UB.  
 - 150mm deep steel purlins.  
 - Insulated rooflight panels Kingspan KS1000FC core thickness 100mm.  
 - Upstand rooflight fitted into KS1000FC every three panels (KS1000USLT).

**Acoustic floor construction**  
 - Resilient layer of 25mm Isover sound deadening floor slab laid over existing floor finish.  
 - 19mm Gyproc plank.  
 - 14mm thick x 180mm wide engineered veneered hardwood flooring / 18mm T&G chipboard + floor finish.

**Suspended ceiling between apartments and B1 area**  
 - 2x12.5mm of fireline plasterboard to the underside of existing joists.  
 - 600x600mm lay-in grid type with intergrated 600x600mm luminaires (Armstrong - Dune or similar)  
 - 100mm Isover insulation over suspended ceiling.

**New floor at the lower ground floor level**  
 Timber battens floor with insulation in between.



**2 Key Plan Lower ground floor A**  
 1 : 200

**4 Section 1.0 DETAILED**  
 1 : 50

No.	Description	Date
A	Penthouse level updated	08/10/14
B	Levels added. Drainage included	15/10/14
C	Suspended ceilings updated	20/10/14
D	Balustrade updated to glass infill	23/12/14
E	Rear parapet wall updated to site	30/10/15

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**Client** LEANGLADE LTD  
**Job Ref** 3-11 EYRE STREET HILL CONVERSION  
**Title** Detailed Section 1

**Drawn by** GPS **Project number** 2156  
**Date** OCT 14 **Scale** As  
**Chkd by** Checker **Pape** indicated **501**

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