

15 mm Gyproc Duraline board either side of Gypframe 70 S 60 C studs  
50 mm Isover acoustic roll in cavity

Envirograf intumescent coated slabs, or equivalent, along line above and below lines of stud partitions to provide 60 minutes fire resistance and acoustic barrier

Existing glazed timber screen to corridor. Provide screen printed decal to glass.

100 mm Rockwool insulation installed between the existing joists, tight into the sides of the joists  
Selected floor finish. Refer to finishes schedule.  
20 mm plywood sheeting (T&G)  
Existing timber floor boards

Existing timber joists  
Existing ceiling to be retained. Ceiling to be restrained using metal straps fixed at 200 mm centres across top of floor joists. Stainless steel washers countersunk into plaster at 200 mm centres to ceilings and fixed through ceiling to perforated metal straps using stainless steel wires.

Double layer of Gyproc Fireline board to upgrade floor to minimum 60 minutes fire resistance, fixed through lath and plaster ceiling to existing joists  
Service void below 60 minutes fire resistant ceiling  
Layer of Gyproc Wall board, with gypsum skim and painted finish, on Gyproc Casoline MF suspended ceiling to create service void

Gyproc Shaftwall system - 2 layers of 12.5 mm Gyproc Fireline board on Gypframe 60 I 70 I studs at 600mm centres. 19 mm Gyproc CoreBoard to outer face

Existing timber wainscoting to be made good as required / new timber wainscoting. Painted finish to selected colour  
Selected floor finish

250 mm concrete slab to Structural Engineer's detail  
PIR insulation board  
DPM / radon membrane

Large stone, no fines, blinded with 20 mm chips

Velux GGL UK04 conservation rooflight (1340 by 980 mm), or equivalent, installed in accordance with manufacturer's written instructions

Timber trimmers  
Existing roof slates, reused where possible, on treated timber slating battens, treated with a wood preservative, using copper nails. Replacement slates to be new Penrhyn Welsh slate, colours to be selected to match existing

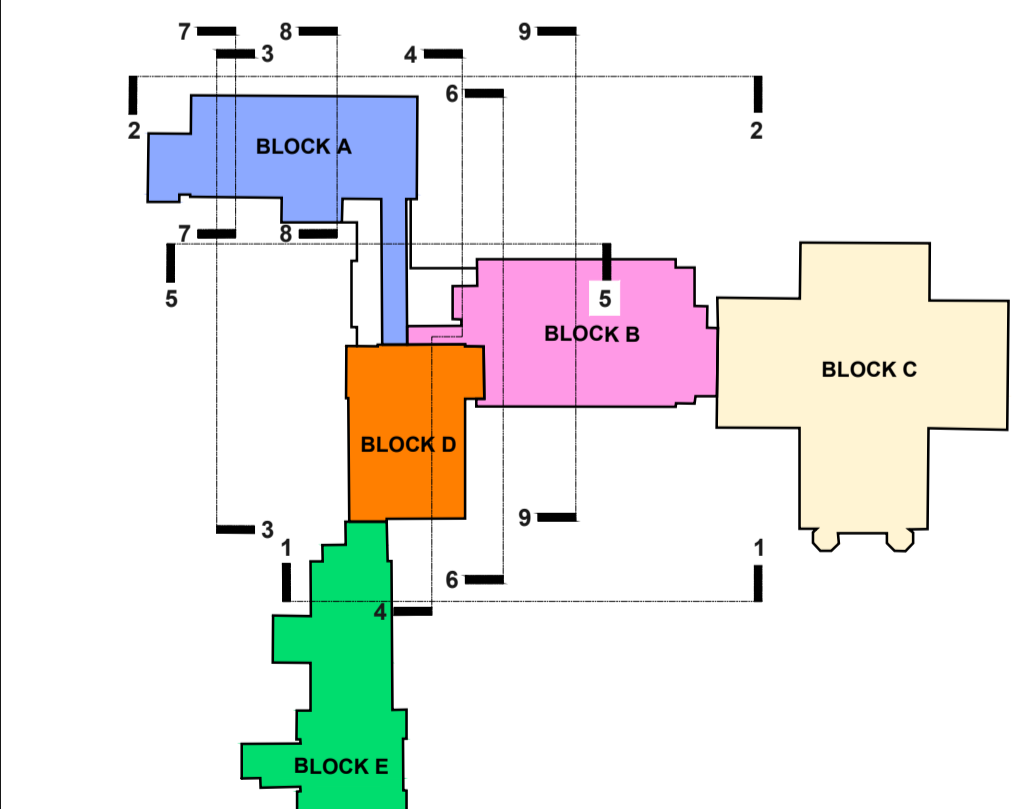
Treated timber counter battens  
Tyvek Supro or Solitex Plus vapour permeable / breathable sarking felt, minimum overlap 100 mm. Provide one metre strip of Paralon under roofing felt at eaves

Fill between rafters with selected breathable insulation (Therma-Hemp natural insulation / Cosywool natural insulation / Heraklith wood fibre board, or equivalent)

Existing lath and plaster ceiling to be retained. Provide ceiling restraint system of braced or stainless steel screws with washers screwed into underside of existing rafters. New lime plaster plugs to all washers

Thermal Upgrade Option - Install new wood fibre, Heraklith, or equivalent, insulation below existing ceiling. Clay / lime plaster finish to underside

- 1 Ecophon Solo Rectangle acoustic ceiling raft (40 mm), or equivalent, 2.4 m wide, suspended below existing ceiling in accordance with manufacturer's instructions
- 2 Gyproc Shaftwall system - 2 layers of 12.5 mm Gyproc Fireline board on Gypframe 60 I 70 I studs at 600 mm centres. 19 mm Gyproc CoreBoard to outer face
- 3 Works to existing windows: Repairs and draft sealing to windows, re-glaze in slim glazing (0.7 w/m²K)
- 4 Remove existing ground floor. Replace with 250 mm deep concrete slab on insulation on LDPE radon membrane (e.g. Monarflex, or equivalent) on blinded and compacted granular material (no fines)
- 5 Velux GGL UK04 conservation rooflight (1340 by 980 mm), or equivalent
- 6 Remove existing roof slates, retaining any slates which are in a condition suitable for reuse. Fill between rafters with selected breathable insulation (e.g. Therma-Hemp natural insulation / Heraklith wood fibre board). Provide new Tyvek Supro or Solitex Plus vapour permeable / breathable membrane and treated timber 50 by 35 mm treated timber battens and counter battens. Replacement slates to be new Penrhyn Welsh slate, colours to be selected to match existing
- 7 Remove existing plasterboard to either side of existing glazed timber screen to corridor. Provide screen printed decal to glass
- 8 Retain existing timber window surrounds, under window cupboards, skirting, architraves, and wainscoting. Protect timber linings with Envirograf ES / VFR white fire protection coating to achieve Class 0 rating where required. Painted finish to selected colour
- 9 Floor Upgrade Type 1: Upgrade floor to 60 minutes fire protection. Remove, number, and record existing timber floorboards. Remove sand / cinder and debris from between floor joists. Install 100 mm Rockwool insulation between the existing joists, tight into the sides of the joists. Provide double layer of Gyproc Fireline board fixed through lath and plaster ceiling to existing joists  
Existing ceiling to be restrained using perforated metal straps fixed at 200 mm centres across the top of the floor joists. Stainless steel washers countersunk into plaster at 200 mm centres to ceilings and fixed through ceiling to perforated metal straps using stainless steel wires  
Provide double layer of Gyproc Fireline board fixed through lath and plaster ceiling to existing joists  
Form service void with layer of Gyproc Wall board, with gypsum skim and painted finish, on Gyproc Casoline MF suspended ceiling
- 10 Double layer of selected breathable insulation (e.g. Therma-Hemp natural insulation / Cosywool natural insulation / Heraklith wood fibre board), between ceiling joists, and perpendicular of existing ceiling joists, to flat ceiling area
- 11 Carefully remove existing T&G cladding to steel beams and provide 60 minutes fire protection to underside and sides by encasing with 15 mm Glasroc Firecase (see detail). Timber T and G cladding to be reinstated. Protect timber with Envirograf ES / VFR white fire protection to achieve Class 0 rating as required. Painted finish to selected colour
- 12 Existing timber queen post truss, strengthened in accordance with Structural Engineers' details
- 13 Existing timber shutters to be retained. Provide additional shutters to match where shutters are missing or the shutter boxes have been removed.
- 14 Remove existing lime plaster only where boasted or spawled - locations as noted on the condition survey with an allowance for additional unforeseen. New lime plaster finish, type and mix TBC on analysis of existing areas. Prepare existing and new lime plaster finish
- 15 Existing ridge tiles to be carefully recorded, numbered, and removed for re-use. Refit over Tegral Ridge Roll fixed continuously over ridge
- 16 15 mm Gyproc Duraline board either side of Gypframe 70 S 60 C studs. 50 mm Isover acoustic roll in cavity
- 17 Gravel French drain to building perimeter, connected to surface water system
- 18 Concrete wall, to Structural Engineers' detail, with cut granite / limestone facing, concrete capping, and powder coated railing
- 19 Thermal Upgrade to Walls: Make good wall and adhere 50 mm CalsiTherm Climate Board to wall. Finish with two layers of 2mm KP-Kalkglätte smooth plaster with reinforcement mesh between. Existing timber paneling details to be retained and altered to accommodate wall insulation. New paint finish (1 coat Beeck Fixative / 2 coats Beeck Maxil Pro (Sd 0.01 m)



KEY PLAN

SECTION 7-7

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preliminary  
not for construction

PROJECT: Gaelcholáiste an Phiarsaigh - Loreto Abbey, Rathfriland		rev. / date / description	
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