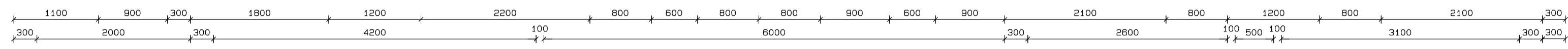


All works to be carried out in accordance with accredited construction details. The contractor is to ensure these details are fully known and understood before commencement of works. As lack of knowledge or understanding of these details will not be accepted.

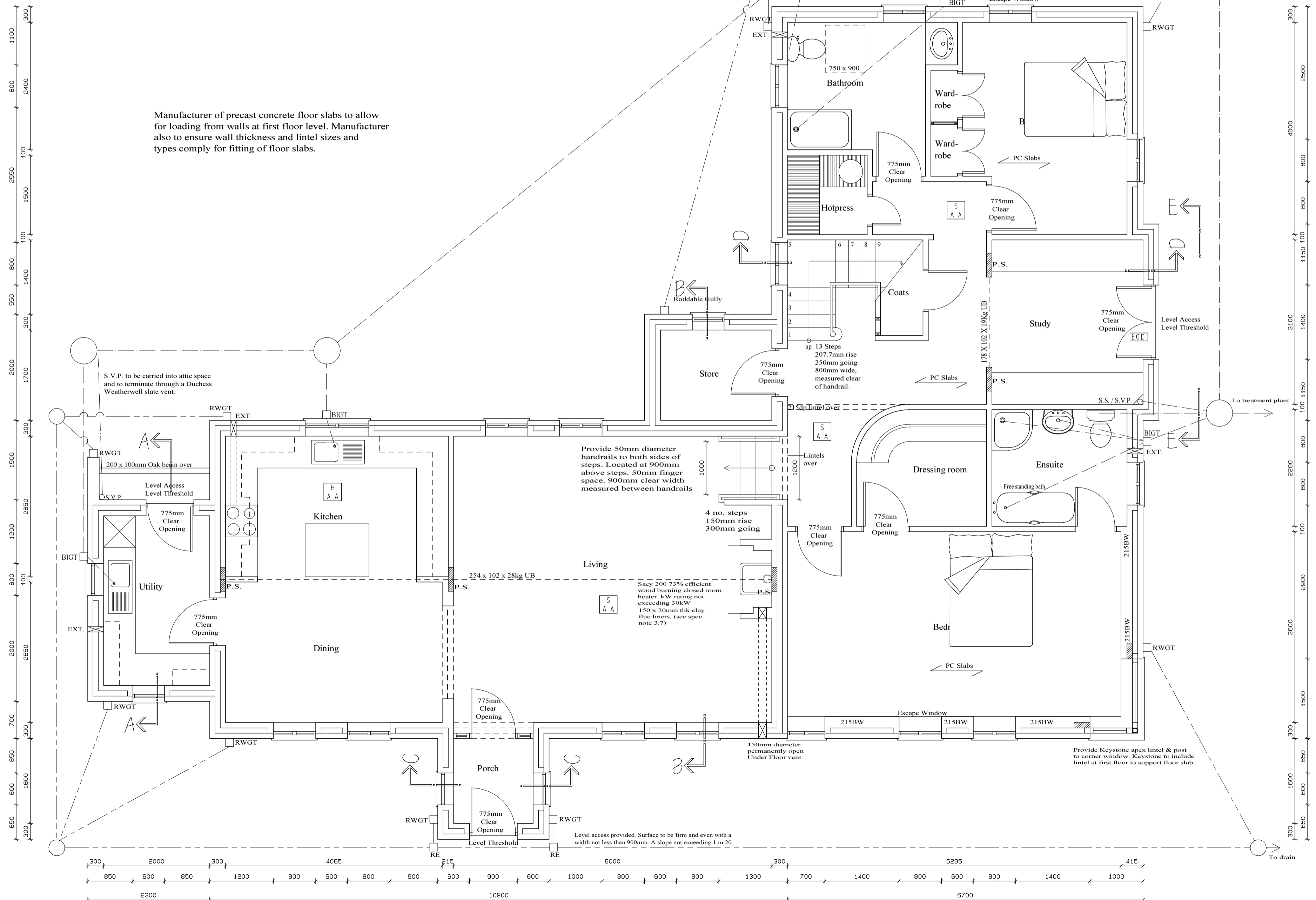
7.9 SAP, TER/DER CALCULATIONS

It is the contractor's responsibility to ensure insulation, glazing, boiler, hot water cylinder insulation, secondary heating, whole home ventilation system and all other materials affecting SAP, TER/DER calculations match those specified in the design SAP, TER/DER calculations. As it will be the contractor's responsibility to provide SAP, TER/DER calculations to show the dwelling as built complies with Building Control regulations. A notice stating this energy rating will be fixed in the dwelling.
Air permeability of 15m³/(hm²)@50Pa must be achieved by test on completion of dwelling. Result of test to be forwarded to Building Control.

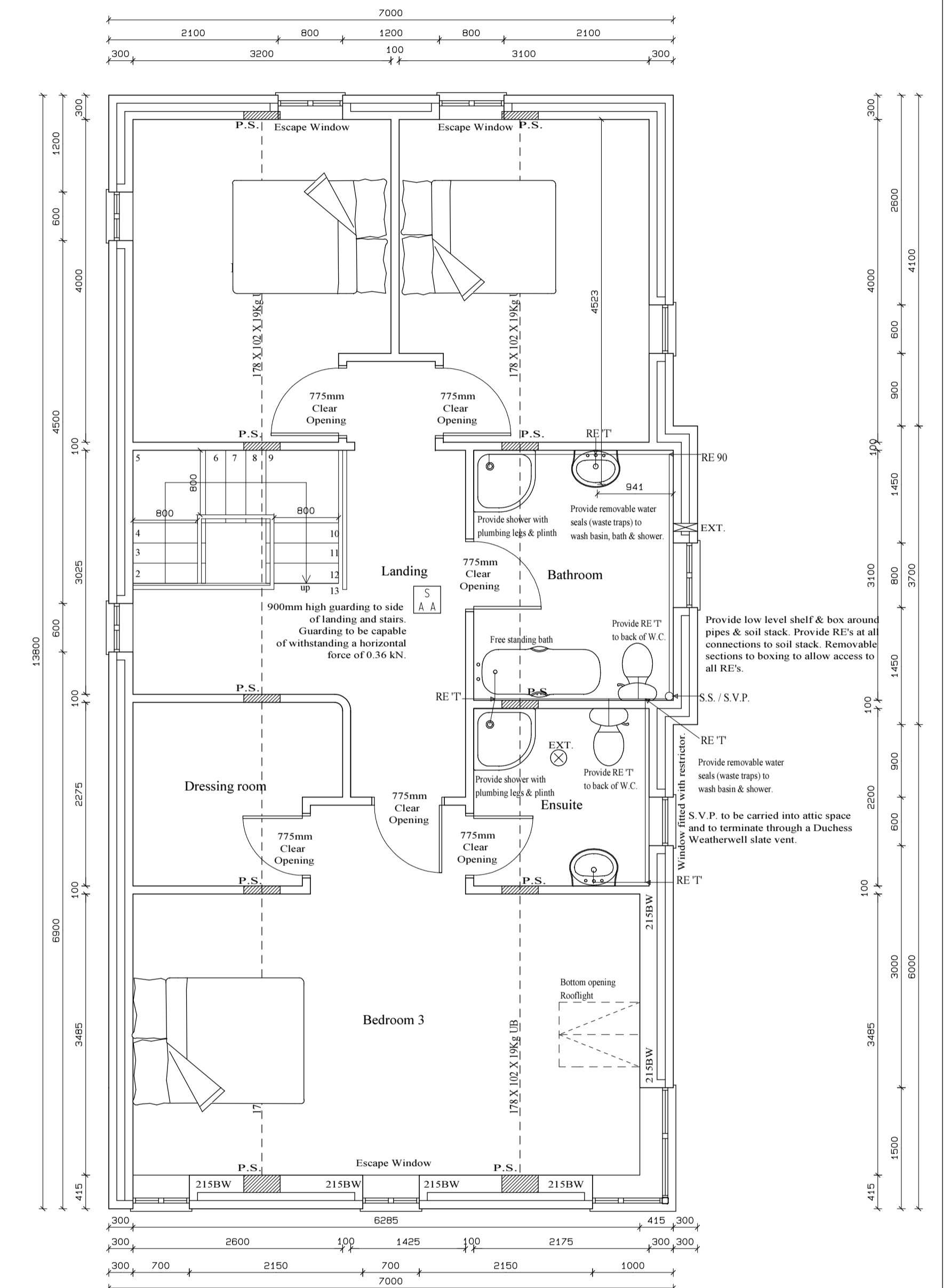
Wall insulation: 100mm Rockwool Batt; U-Value 0.30
Floor insulation: 75mm Ballytherm; U-Value 0.20
Roof insulation (coved ceiling): 100mm Ballytherm between rafters, 25mm below; U-Value: 0.17
Roof insulation (flat ceilings): 150mm Knauf fiberwool between ceiling joists
150mm Knauf fiberwool over ceiling joists U-Value: 0.14
Rooflights, Double glazed, wood frame 16mm argon filled air space, low E coated (0.05); U-Value: 1.77
Windows, Double glazed PVC 16mm argon filled air space, low E coated (0.05); U-Value: 1.60
Glazed doors, 1/2 double glazed 16mm argon filled air space, low E coated (0.05); U-Value: 2.35
Solid timber panel door; U-Value: 3.00
Grant Vortex 15 sealed room condensing boiler; 94% efficient
Secondary heating: Provide Saey 200 (anthracite) wood burning stove to living room; 73% efficient
180 litre stainless steel hot water cylinder 75mm factory insulated
30% of total lighting to dwelling to be low energy lighting.



Manufacturer of precast concrete floor slabs to allow for loading from walls at first floor level. Manufacturer also to ensure wall thickness and lintel sizes and types comply for fitting of floor slabs.



GROUND FLOOR PLAN



FIRST FLOOR PLAN

7.7 KEYSTONE LINTEL TO CORNER WINDOW
Provide Keystone (Tel: 02866762184) HE3K factory fabricated Apex lintel & posts to window to bedrooms, including lintel to first floor to support precast concrete floor slab. Keystone Apex lintel milled and welded, factory fitted supports on 45° posts designed by Keystone Tech. Dept. welded to 180x180x10mm thick base plates bolted to foundations with 4 no. M10 stud anchors. Ends of lintel welded to 45°x60x6 to steel plate bolted to 450x225x100 concrete padstones built into outer skin of cavity wall. All steelwork to be descaled, primed and painted with 2 coats of zinc primer before erection. All paint work to be touched up after erection. 100x50 timber plate shot fixed to top of steel lintel at 900 c/c. Lintel & posts to be filled with polystyrene insulation. Keystone to provide structural details to Building Control 3 weeks prior to fabrication.

Planning Service Ref:					
Building Control Ref:		Rev	Date:	Description	DB CB

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PROJECT:	Erection of dwelling and domestic garage at Scribbage, Garrison, Co. Fermanagh			D.B:	CHK
CLIENT:				R.M.	
DRAWING:	Floor Plans			No.	39
SCALE:	1:50	DATE:	July	No.	3/7
DESIGNED:	RONAN MURPHY Craft Village, Main St., Belleek, BT93 3FX Tel/Fax: 028686 58190 e-mail: info@murphybuildingdesign.com				