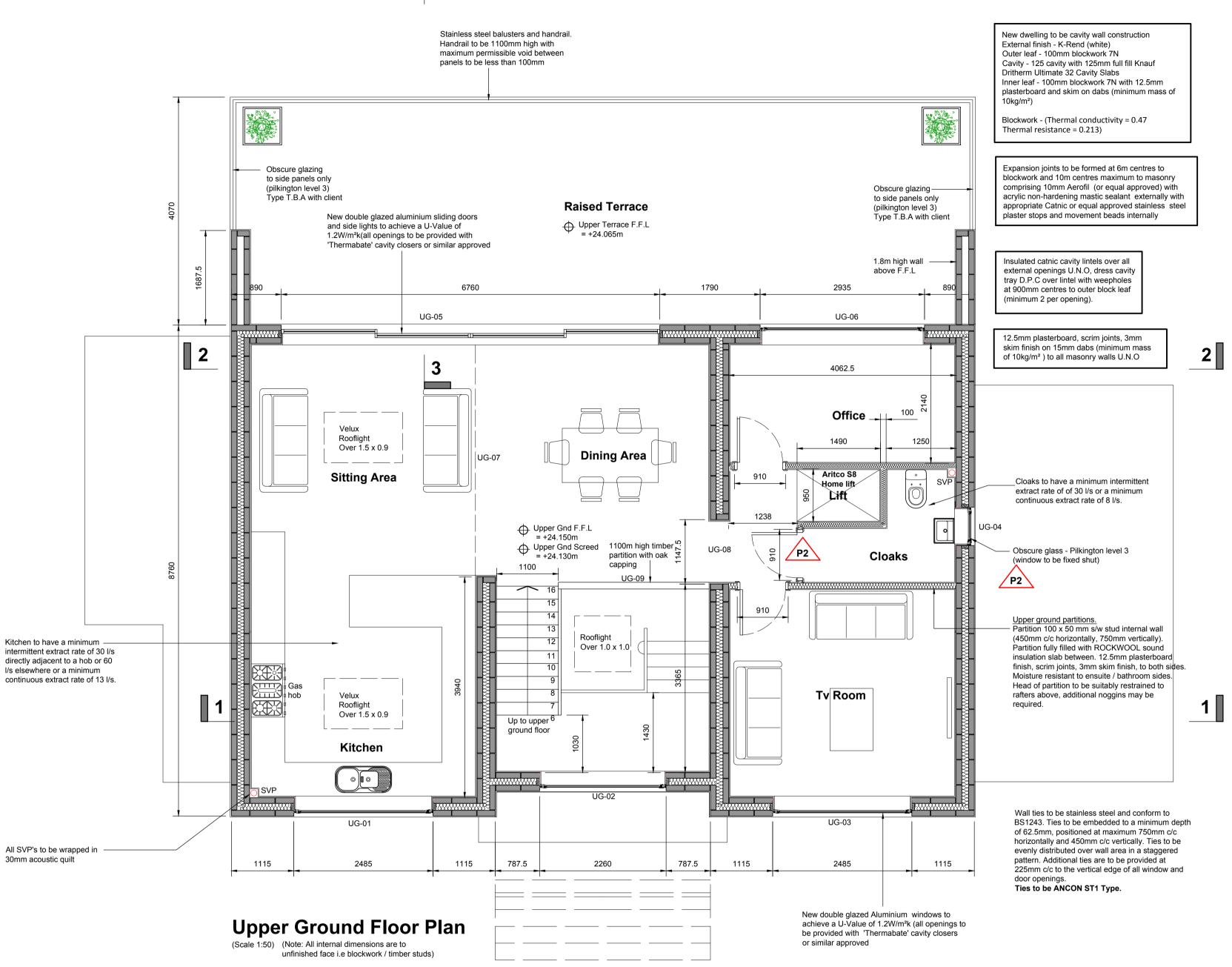


Construction detail (oak stair)

Service Penetrations

- Core drill service penetrations to minimise damage to the insulation layer.
- Make good any damage caused to the insulation layer by filling any gaps with loose fibrous insulation or approved expanding foam.
- Drill holes to provide a snug fit and reduce oversize to a minimum. • Seal around services (eg water, gas and cables) using proprietary seals such as top hatdetails or collars (Figs 9 and 10). If services are tight up against a wall or corner it may be difficult to fit a top hat seal. It may be prudent to have services penetrations located slightly away from the wall/corner to allow sealing. Seal penetrations prior to installing kitchen units, baths or other fittings otherwise it may be difficult to access gaps and holes.
- All penetrations through the air barrier line must be effectively sealed following installation of the services. This can be achieved with the use of appropriate air tightness tape, air tightness grommets or air tightness sealants.
- Service penetrations through external wall to be sleeved through cavity wall with cavity tray over. Sealed tightly with with polyurethane foam filler and finished with a bead sealant
- Sealant to be fire resistance when applied around boiler / heat recovery ductwork



Plasterboard / Dry lining

- Plasterboard on dabs with continuous ribbon of adhesive around all openings along the top and bottom of the wall and at external corners. Ensure the joints between boards are sealed Jointing tape to all plasterboard corners
- Continuous sealant along all skirting boards top and bottom. •
- Do not fix dry lining until you are sure blockwork behind has been sealed Seal around each plasterboard sheet with a continuous ribbon of sealant. The practice of 'dot and dab' should be avoided.
- Apply a continuous ribbon of sealant around any penetrations through the sheet (eg light switches, wall mounted sockets)
- Seal the edge of the plasterboard even in areathat will be hidden from view this includes wall areas behind baths, IPS systems & showers

/ recommendations prior to use.

STEELWORK NOTES

- All steelwork as noted on plan to be cased in 1 layer of 15mm Fireline Gyproc
- board with angle beads and 3mm plaster coat. • Beams require 100 wide x 450 long x 225 deep concrete
- padstones U.N.O.
- All steelwork beams are to be bolted to concrete padstones using a
- minimum of 1 M12 Hilti resin anchor each end. All concrete padstones are to be strapped down the wall and mechanically fixed to brickwork/blockwok walls below using
- galvanised steel straps
- All lintels to have a minimum 150mm endbearing and steel beams 200mm min
- All Steelwork to be grade **\$355** • End of all steel bearing into cavity wall to receive to 2No. coats of bitumen rich
- Refer to structural engineers calculations for all steel beams and lintel sizes.

Window / Door Heads & Rooflights

- Fill all gaps around and between lintels with tightly packed
- insulation. Overlap the frame and this insulation by at least 30 mm. • Apply appropriate flexible sealant or tape to at all interfaces
- between the internal air barrier and the window or door frame
- Sealant between the cavity closer and blockwork wall.
- Seal all penetrations through air barrier using an appropriate air tightness flexible sealant or tape.
- External doors (and letterboxes) to be fitted with draught excluders



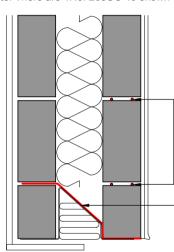
Ensure all tapes, sealants and fillers used to are fit for purpose, refer to manufacturers instructions

GENERAL NOTES

- This drawing to be read in conjunction with all relevant architect's, engineer's and mechanical and electrical engineer's drawings, specifications etc.
- All dimensions to be checked on site.
- Any discrepancies, contradictions to be notified to project architect / engineer.
- The following drawings are intended to be used for Building Regulations and Planning approval only.
- All works to the approval of the Local Authority Building Control and Planning Officers
- All works to comply with the current Building regulations and subsequent amendments whether detailed in these drawings or not.
- All works to comply with the relevant codes of practice and British Standard's and to be fitted in accordance with the manufactures instructions and recommendations.
- Contractor to check all dimensions, angles and levels on site prior to commencement of works.
- All elements of structure to achieve $\frac{1}{2}$ hour fire resistance and to comply with the current Building Regulations.
- Minimum U-Values to be in accordance with approved document L 2014 revision and subsequent amendments and also SAP 2014
- Contractor to provide method statement for approval prior to any demolitions and installation of steel beams • All products to be installed entirely as per the manufacturers
- instructions / recommendations
- All external ground levels are approximate only, contractor to confirm all levels following demolition of existing house.

Upper Ground Floor Steel / Lintel Schedule								
LINTEL REF	MINIMUM BEARING	OPENING WIDTH	LINTEL TYPE	Wall Type	NOTES			
UG-01	150	2485	Catnic Special Order	Cavity 100/125/100	EXTERNAL			
UG-02	150	2260	Catnic CX110/100	Cavity 100/125/100	EXTERNAL			
UG-03	150	2485	Catnic Special Order	Cavity 100/125/100	EXTERNAL			
UG-04	100	685	Catnic CH110/100	Cavity 100/125/100	EXTERNAL			
UG-05	225	6760	406x178x74 with 10mm plate 6cfw GALVANISED	Cavity 100/125/100	EXTERNAL			
UG-06	150	2935	Catnic CX110/100	Cavity 100/125/100	EXTERNAL			
UG-07	100 & 200	4170	2No. 203x133x30 UB's	Cavity 100/125/100	INTERNAL			
UG-08	150	1147.5	2No. Naylor R9's	Cavity 100/125/100	INTERNAL			
UG-09	100	3845	203x133x25 UB (floor level)	Within floor zone	INTERNAL			

Note: End of all steel beams within cavity wall to receive 2No. coats of bitumen rich paint Note: There are 4No. 203UC 46 shown on drawing 503 to trim out for the lift aperture



Expamet S3SF4060 bed joint reinforcement in top two courses above all external lintels (outer leaf only). Reinforcement to extend a minimum of 600mm past each end of the structural opening.

Proposed insulated cavity lintel, dress cavity tray d.p.c. over lintel with weepholes at 900mm centres to outer brick leaf (minimum 2 per opening).

External lintel

(Bed joint reinforcement)

Note: All internal and external joints between different materials to be fully sealed to provide air tight seal to comply with the building (England & Wales) regulations

To be read in conjunction with drawing 40-500 building regulation notes & specification and air tightness details

Building Regulation Issue

October '17

1:50 @ A1

P2	29.01.18	See Revison Triangles	Build	ing Regulations	MM
P1	20.11.17	First Issue	Build	ing Regulations	MM
Rev.	Date	Description	Statu	JS	Rev. by
Title	Wir		Floor Construction Plan		
Clier		Irs Taylor			
Drav M.N	vn by I	Checked by	Drawing Number	Re	V.
Scal	e	Date	40-505	F	21