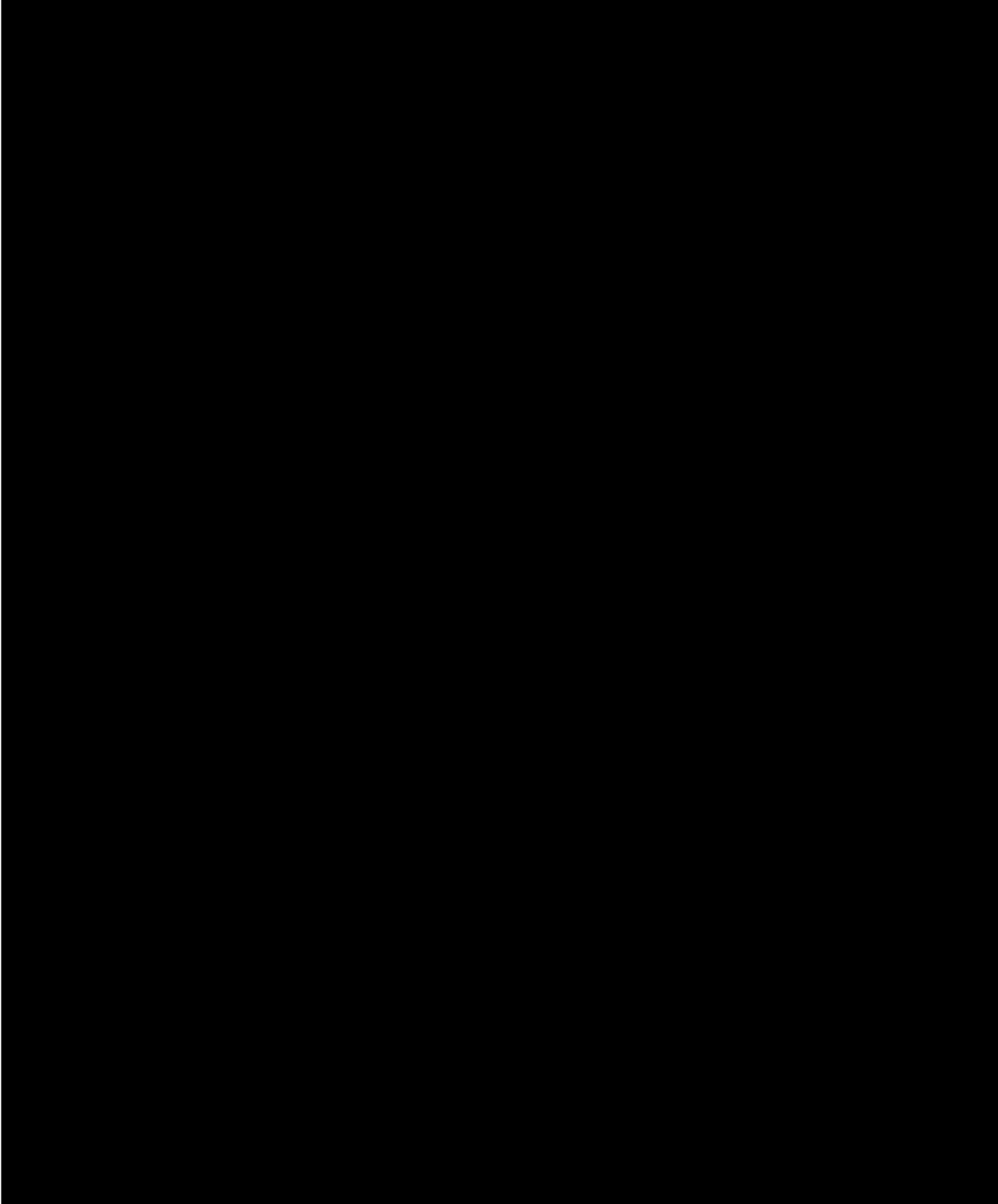


NOTES

Foundations & walls

- * Foundations min 450 wide, 1m deep or to Local Authority approval to suit soil conditions. Dowel existing foundation using 16mm Dia bars, 2 top, 2 bottom
- * High density concrete block below ground level or engineering bricks.
- * Concrete cavity fill
- * 100mm Celotex insulation (GA3000Z)
- * Face brick to match existing
- * Ducted air bricks every 1m through insulation
- * 50mm clear cavity
- * 47mm Celotex CG5000
- * Topblock Hermitele 7 block
- * Cavity galvanised linels
- * Wall ties to BS EN 845-1:2003 +A1:2008 & EC 6

Ground floor

- * 75mm floor screed with wire mesh reinforcement
- * 100mm concrete oversite reinforced with A142 mesh
- * 100mm Celotex insulation (GA3000Z)
- * 1200g DPM lapped & sealed
- * 30mm compact sand blinding
- * Min 150mm granular back fill.
- * Open existing air bricks to 225x225.
- * 100mm ducting to existing air bricks.

New Flat Roof

- * 3 layer built up felt waterproof covering A-C rated.
- * 15mm ply decking
- * Fitting pieces to shed water
- * Lay boards and up stand min. 300m.
- * 25mm continuous ventilation at eaves, venting to loft space.
- * 50mm clear air flow.
- * 50x220 C16 joists at 400cc. Full noggins at 1/3 spacings. Trimmers (T1) 2no. 50x220 C16 bolted together.
- * Trimmers (T2) 4no. 50x220 C16 bolted together.
- * 170mm Celotex FR5000 between.
- * 27.5mm Celotex PL4015 under, plaster finish, VCL
- * Lantern roof light to be BFR/C A rated with self cleaning glass.

- * Extend all services to new extended areas.
- * New LED down lights to extended areas with fire hood fitted.
- * Services through walls to have concrete linels over, flex joints either side rigid board preventing fill & vermin.
- * Mechanical extract to bathroom/En suite of 400m2 plus 800mm back ground ventilation plus 1/20th floor area opening vent.
- * All habitable rooms to have 8000mm back ground ventilation plus 1/20th floor area opening vent.
- * Kitchen area 4000mm back ground ventilation plus 1/20th floor area opening vent plus 60L/s extract fan.

Drainage

- * Cap off and seal redundant lines in inspection chambers as required.
- * Connect new kitchen waste to existing SYP with 40mm PVC waste pipe allowing for Rodding access to new Boss connector.
- * Connect new bathroom waste to existing SYP allowing Rodding access via new Boss in 100mm PVC pipe.

- * New Beam B1 = 3.3m to engineers design, 178x102x19UB, 30min fire protection, 12.5mm plasterboard with skim coat.
- * New Beam B2 Catic CH50/100 or 2no. 50x220 C16 bolted together on outer leaf
- * New Beam B3 Catic CXL280 or 203x133x25BU plus 250x6 bottom plate welded.

- * New heat & smoke detection as shown on plans, interlinked.

Note.

*Drawings produced for planning & building control purposes.

*Do not scale from drawings, use written dimensions in preference to scale.

*Not to be used for material ordering or cutting lists.

*All dimensions to be verified on site prior to work commencing.

*Drawings to be read in conjunction with additional specifications & engineers reports.

*Engineers report and designs to supersede any variation to these drawings. Minimum sizes shown. Designs allow for additional insulation and ventilation.

*Windows are disjunctive, not to be used for manufacturing but to meet current regulations.

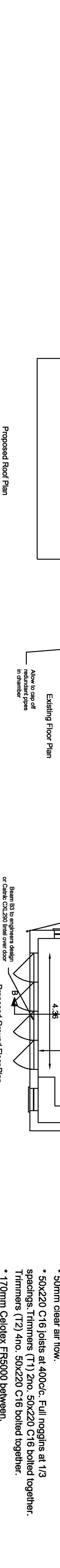
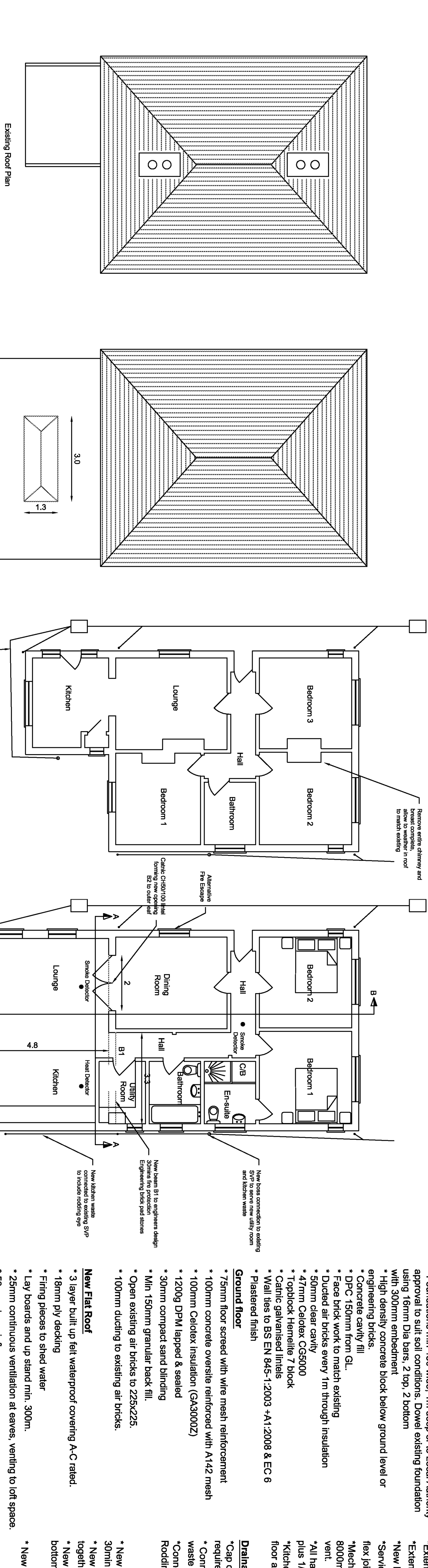
*Fire egress windows to new extended areas.

*Any discrepancies or errors shall be reported to the designer for clarification.

*Intellectual Property Rights Apply (IP).

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Project	Date
Mr G Dhillon 178x102x19UB North Elevation Boggy Ridge T&L 51x	2nd Oct 2018
Revision Dates	
A - 3rd May 2017	
B - 2nd Oct 2017	
C - 28th Nov 2017 (engineer)	
Drawing Title	Drawn By
Proposed Rear Extension & Loft Conversion. Existing Floor Plans, Roof Plans, Sections, Locations & Site Plan.	L.W
Scale	Drawing No.
1:50, 1:100, 1:200, 1:250	GD2864/Rev02



- Timbers forming openings T2 4no 50x220 C16 timbers bolted together
- 3 layer built up waterproof system, min curb 150mm to lantern
- New beam B1 to engineers design (178x102x19 UB) 30mins fire protection, 12mm plasterboard plastered ready for decorating
- Roof lantern, BFR/C A Rated made to measure off site
- 50x220 C16 joists at 400cc Solid noggins at 1/3 spacings 150mm Celotex FR5000 between 52.5mm Celotex PL4040 under 0.14W/m2K
- Catic CG90/100 linels over windows
- DPC 150mm from GL

Section A-A

- New beam B2 to engineers design 2no. 50x220C16 timbers connected or forming new opening or
- 25mm continuous ventilation
- 250x6 bottom plate welded or Catic CXL280 linel over door
- Cavity tray Weephiles
- Face brick to match existing 50mm clear cavity Wall ties to BS EN845 47mm Celotex CG5000 Topblock Supadoc 0.25W/m2K Catic wall plate straps
- 75mm reinforced screed 100mm reinforced concrete oversite 500g DPM lapped & sealed 100mm Celotex FR5000 0.2 W/m2K 100mm ducting between insulation 1200g DPM lapped & sealed 30mm compact sand blinding 150mm compact granular fill Total slab thickness 455mm min.
- 16mm Dowel embedded to existing foundations by 300mm, 2 top & 2 bottom
- Trimmers forming openings T2 2no 50x220 C16 timbers bolted together
- B1 178x102x19UB Engineering brick as pad stone
- Ventilation ducts through insulation

Section B-B