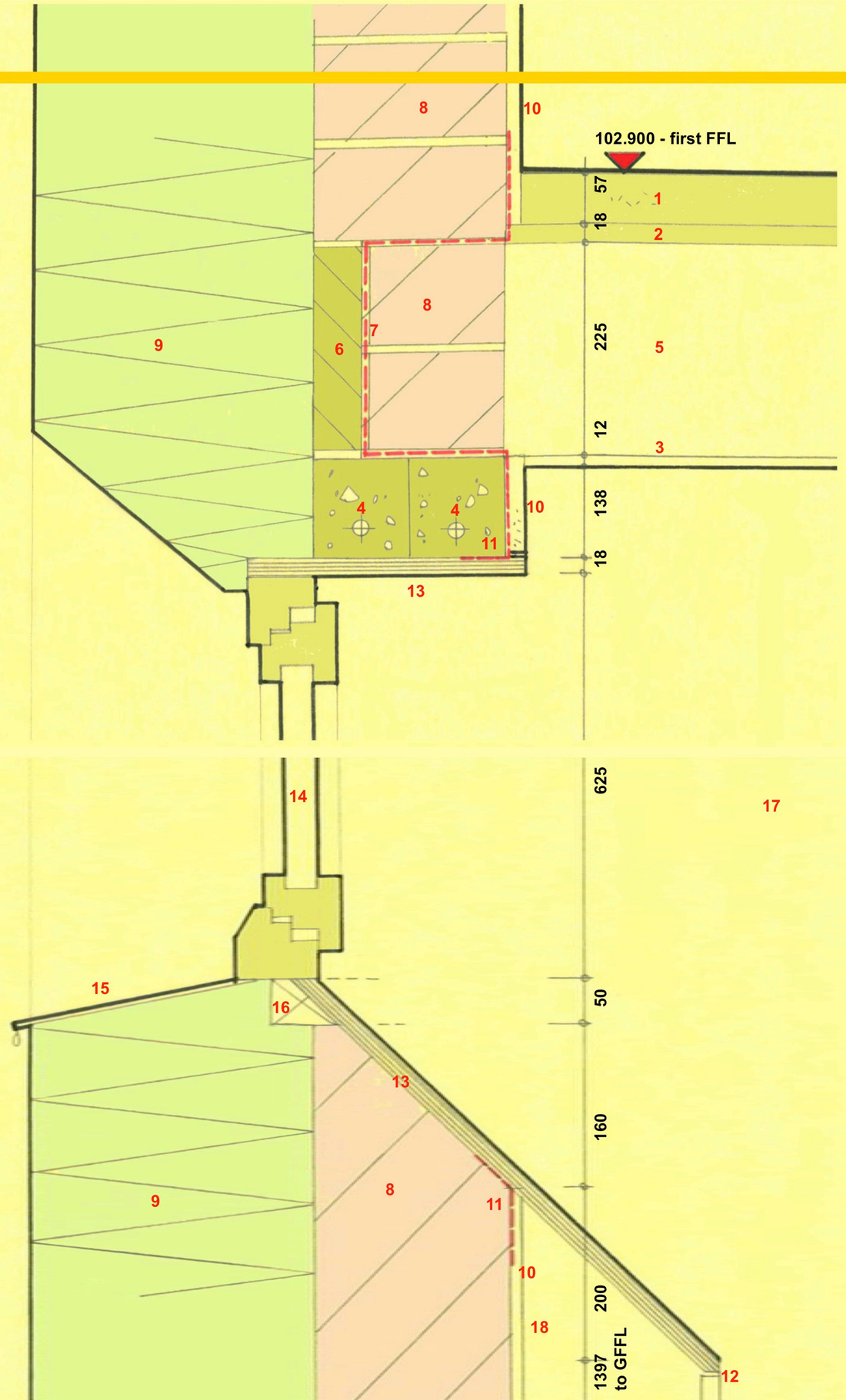
zero carbon house

CONSTRUCTION

WG3 section details Dec 2008 1:5 at A3 103 (31) 11



1. Clay screed M10/03 on acoustic layer M10/39.
2. OSB or reclaimed board deck K11/40 on SW joists G20/05
3. Plasterboard ceiling M20/60
4. Lintels 100 x 140 as 103(10)02 drawing set to align with 100mm course of common blockwork carrying floor joists - see 103(21)06.
5. 225x75mm C24 sw floor joists at 450mmc/c see 103(10) 02. Note joists take bearing of 150mm on blockwork to avoid eccentric loading.
6. 50mm bed x 215 high course of blockwork F30/30A “Enviroblock”, built outside the ends of the floor joists to give continuous backing for insulated render system and to protect the airtightness membrane.
7. Air tight membrane at floor junction P10/66 Intello “Solitex Plus” 750mm wide roll.
8. 203mm hydraulically compressed earth blockwork F10/32A, cut to splay at window sill.
9. 280mm insulation and render M21, preformed 45 degree splay at window head.
10. Wet lime plaster with recycled glass “Glaster” M20/19 forms airtight barrier; note plaster is required inside plumbing ducts.
11. Contega PV strip of mesh/fleece airtight membrane sealed to lining and plaster.
12. 4mm shadowgap joint and 18mm face width of ply; see 103 (31) 03 full size detail.
13. 18mm WBP birch ply lining, 2mm mirror finish by client.
14. Triple glazed Enersign inward-opening t&t windows L10/410, screwed from back to ply lining and sealed to lining with PROFIL airtight sealing tape before fixing lining/window to blockwork.
15. DG5 doors beyond line through with window lining.
16. 200mm plumbing duct, 18mm ply.

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