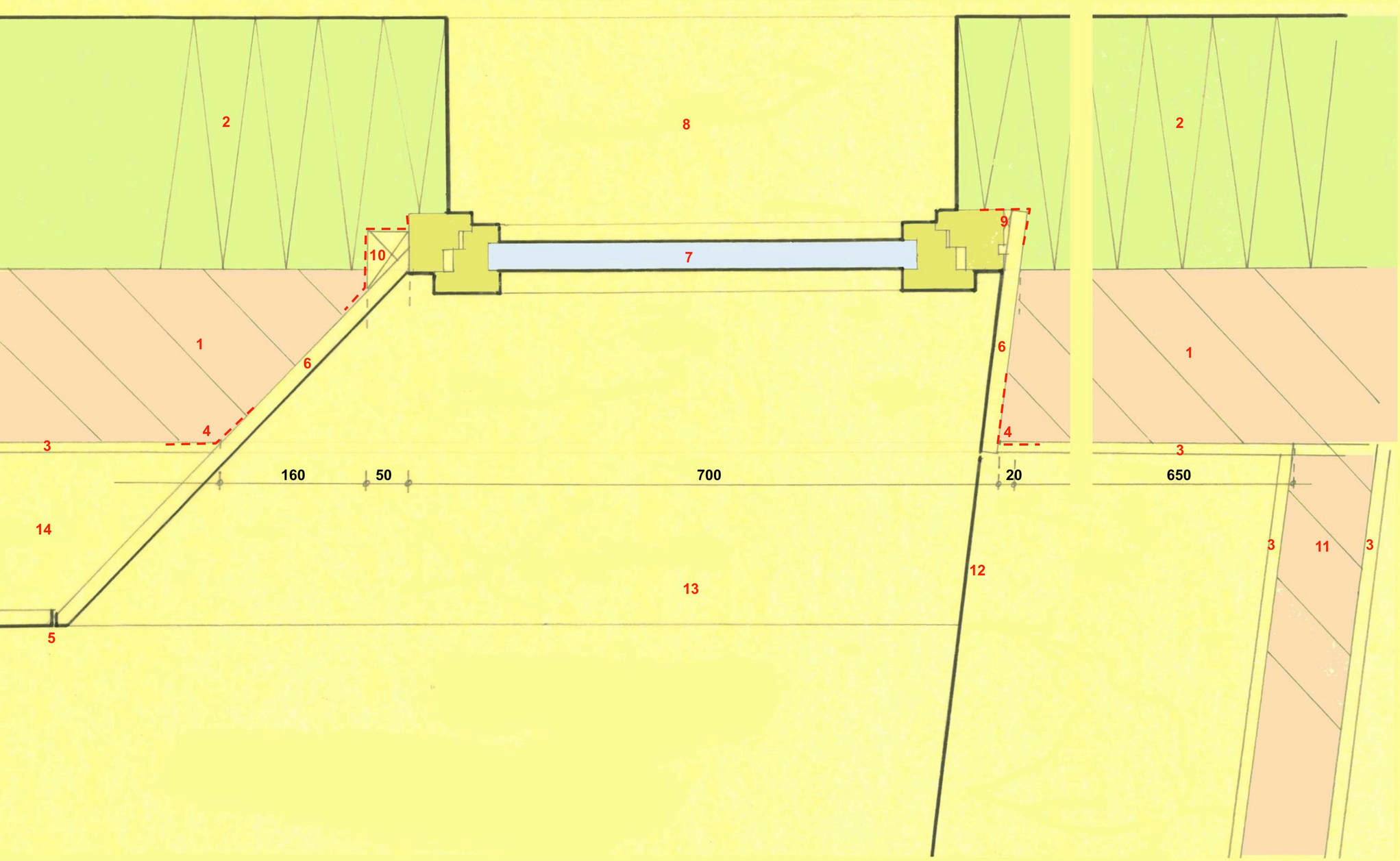
zero carbon house

CONSTRUCTION

WG3 plan details Dec 2008 1:5 at A3 103 (31) 10



1. 203mm blockwork F10/32A, cut to form splays at window reveals.
2. 300mm insulation and ext render M21.
3. Wet plaster M20/19 forms airtight barrier; note plaster is required inside plumbing ducts.
4. Contega PV strip of mesh/fleece airtight membrane sealed to lining and plaster.
5. 4mm shadowgap joint and 18mm face width of ply; see 103 (31) 03 full size detail.
6. 18mm WBP birch ply lining, WG or CP face grade K13/11, paint finish by client.
7. Triple glazed inward-opening windows L10/410, screwed from back to ply lining and sealed to lining with PROFIL airtight sealing tape before fixing lining/ window to blockwork; see AECB guidelines.
8. 2mm satin s/s sheet sill.
9. Tapered SW fillet to form angle.
10. Ex 50 x 75 SW batten to form 45 degree angle fixing.
11. Partition wall to kitchen; fully filled perpend joint at abutment to external wall gives continuity of airtightness.
12. Front face of DG5 doors to line through with window lining, parallel to blockwork wall.
13. 200mm plumbing duct below.
14. 200mm plumbing duct/riser, 18mm ply.