

### MATERIAL SPECIFICATION:

**WALL CONSTRUCTION:**

- 1. Basement to be waterproofed to grade 3 using specialist concrete admixture, waterproofers to be used at all joints
- 2. 300mm raft foundation under basement
- 3. 300mm flat concrete slab with 150mm buldip
- 4. 100mm concrete retaining structure to basement perimeter underpinning to listed wall according to engineer's method statement.
- 5. Core loadbearing concrete walls 250mm
- 6. All steel columns under flat slab to be 225mm diameter lapped with intumescent paint
- 7. Wall - Roof Construction to incorporate continuous insulation in addition to insulation within the structure to achieve a u-v of 0.10 W/m<sup>2</sup>K

**METAL CLADDING:**  
11A Copper-alloy cladding comprising 1.0mm thick TECUB® Brass Profilled Elements  
Support structure: Euroflex or similar secondary metal support grid  
Cladding system: Wallace® Profilled TECUB® Brass Cladding System  
Cladding panel: Pre-fabricated burnished brass, manufacturer: KCB  
Material: TECUB® Brass, CuSn 30, R-250, Thickness: 1.0mm  
Finish: Manual pre-burnished finish on outer surfaces to architect approved sample  
Contractor design to include adequate measures to prevent bi-metallic or chemical corrosion of adjacent materials to the brass  
11B Copper-alloy profiling, TECUB® Brass or similar approved  
11C Copper-alloy cladding, TECUB® Brass or similar approved

15. Inward sloping aluminium windows, 2400mm x 2400mm/2 x 3000mm x 2400mm, recessed in profiled metal to mitigate overtop recess finish around window to maximise reflectance  
16. Glazed roof supported on 75mm x 600mm concrete fins at approx 1m centres  
17. Rooflights, frameless, steel, flush with standing seam roof, manufacturer The Rooflight Company range Neo (or similar)  
Note: All joints and window frames to match TECU profiled metal

**BRICK CLADDING:**  
22. Petersen's bricks (228mm x 108mm x 54mm), warm red, head band with alternate bricks omitted in sections, within expressed frame  
23. Windows to sit behind fixed brick facade. Stagger bond setting to have missing bricks as shown on elevation

27. Beapex® Glazed roof access hatch to private terraces.  
Note: Roof terraces to be fitted with beacon alarm system for fire safety purposes, final solution to be approved by building control officer.

28. Forecourt balustrade - to match profiled metal cladding, TEDU similar

29. Roof Terrace planter - to match profiled metal cladding, TEDU similar

33. Terraces, glass and balustrades

**FOOTPATH, FORECOURT + COURTYARD**  
Limestone pavers, varied smooth and rough split texture, 100mm  
500mm  
Tree pits with limestone edging and tree grilles

**PLANTING**  
Native species planted in zone along listed wall

Project:  
**1250**  
**The Old Dairy**

Stage:  
Planning

Date: 10.02.2012

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Scale: 1:100

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Revision: -

