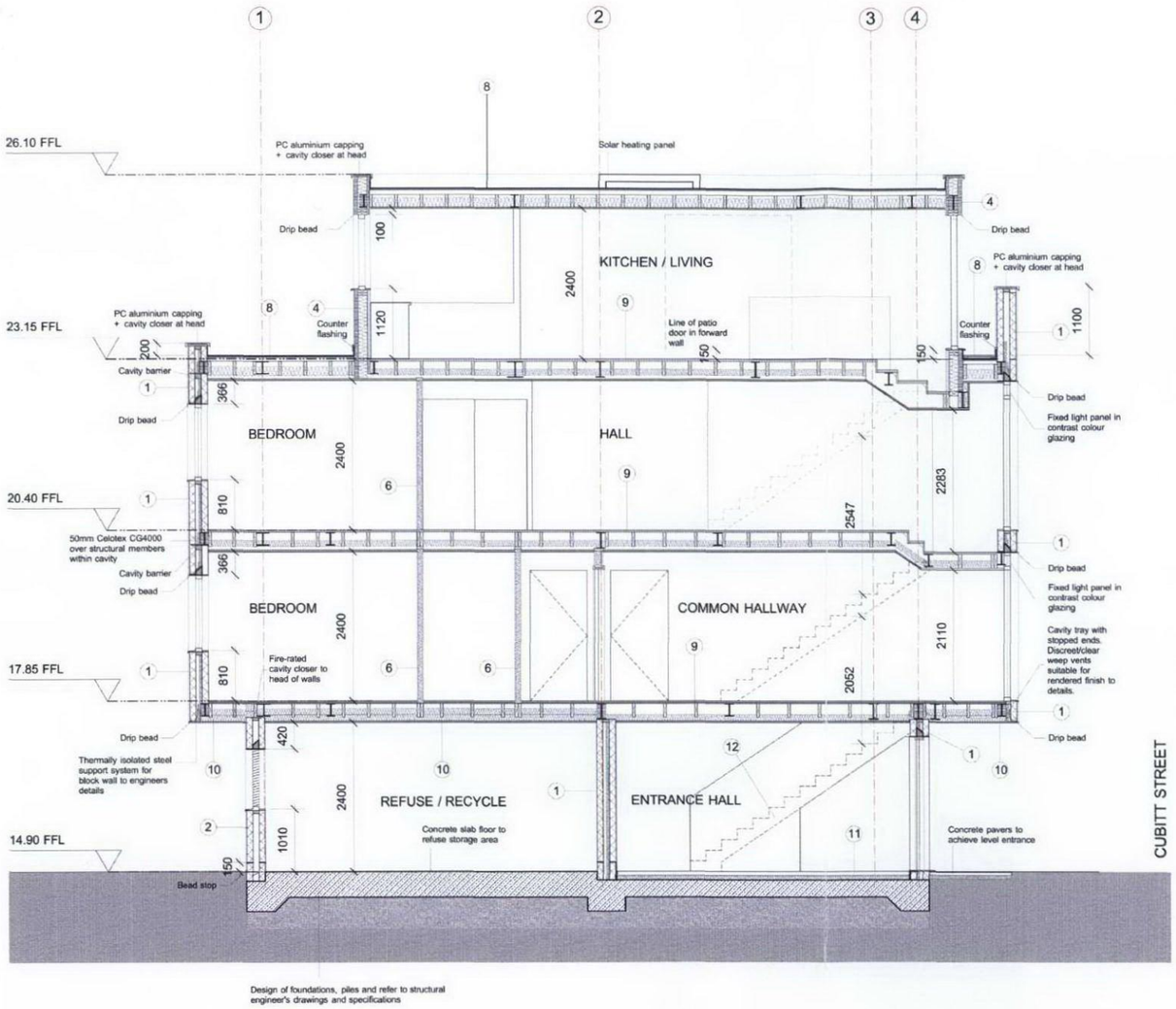

Design of foundations, piles and refer to structural engineer's drawings and specifications

1.
EXTERNAL WALL 1
U-VALUE 0.30W/m2K
Render 20mm through colour
Concrete block outer leaf 100mm
Cavity 100mm (minimum clear cavity 25mm)
Celotex CG4000 50mm
Concrete block inner leaf 100mm
Plasterboard 12.5mm

2.
EXTERNAL WALL 2
Render 20mm through colour
Concrete block outer leaf 100mm
Cavity 100mm (minimum clear cavity 25mm)
Concrete block inner leaf 100mm

3.
EXTERNAL WALL 3
U-VALUE 0.30W/m2K
Render 20mm through colour
Concrete block outer leaf 100mm
Cavity 100mm (minimum clear cavity 25mm)
Celotex PL4000 78mm
Batts 25mm
Plasterboard 12.5mm

4.
EXTERNAL TIMBER FRAMED WALL 4
U-VALUE 0.25W/m2K
Render 10mm through colour
Pavatex Diffutherm Insulated render board 80mm
Warmcell Isonat 140mm between
Timber studs 140mm
OSB racking 12mm including VPL 500 gauge
Service void 25mm
Plasterboard 12.5mm

5.
PARTY WALL
U-VALUE 0.2W/m2K
Styropor Polystyrene fill 20mm
Concrete block wall 140mm
Plasterboard 12.5mm
All joints fully sealed

6.
INTERNAL PARTITION WALL
ACOUSTIC INSULATION 43db
Plasterboard 12.5mm each side
75mm APR1200 insulation between
metal studs

7.
INTERNAL SEPARATING WALL
ACOUSTIC INSULATION 45db
Soundbloc 12.5mmx2 each side
90mm APR1200 insulation between
metal studs

8.
FLAT ROOF
U-VALUE 0.20W/m2K
PVC single-ply reinforced membrane on WPB 22mm with flashings min 150mm high.
75 treated timber firings to falls min 1:40
Ventilation gap 75mm
Celotex XR4000 150mm between
Timber joists 200mm
VCL 1000 gauge
Plasterboard ceiling 12.5 x2

FOR TERRACE DECKING:
Treated timber decking on 25x50mm staggered battens on roof build-up as above

9.
SEPARATING FLOOR 1
Floor finish to clients spec
ISOCHECK 3TT 15mm
Insulation 100mm 45kg/m3 between
Timber joists 225mm
Plasterboard ceiling 15mmx2

10.
SEPARATING FLOOR 2
U-VALUE 0.25W/m2K
Floor finish to clients spec
ISOCHECK 3TT 15mm
Insulation 100mm x2 layers 45kg/m3 between
Timber joists 225mm
Plasterboard ceiling 15mmx2

FOR EXTERNAL SOFFIT REPLACE PLASTERBOARDS:
with18mm WBP fixed to
PC aluminium soffit panels

11.
GROUND FLOOR
U-VALUE 0.25W/m2K
Floor finish to clients spec
65mm screed
Polythene separating layer 500 gauge
70mm Celotex FF4000 insulation with TB3000 perimeter insulation
DPM 1200 gauge to lap with DPC min 150mm above external ground level
275mm thick ground floor reinforced concrete slab
Piling mat to engineers details

12.
STAIRS & LANDINGS
Timber construction staircase complying in all respects with approved document 'K' & 'B' to manufacturer's specifications. Stairs to be treated with intumescent material to achieve a minimum class 1 fire performance, and glues used are to be of thermosetting type . Stairs to be underlined by 12.5mm plasterboard to achieve minimum 30mins fire resistance.
Wearing surface of stair to client's specifications

NOTES

1 - COPYRIGHT OF THIS DRAWING IS THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THEIR PERMISSION.

2 - WRITTEN DIMENSIONS TO BE USED IN PREFERENCE TO SCALED DIMENSIONS AT ALL TIMES

3 - ALL DIMENSIONS AND LEVELS TO BE VERIFIED BY THE CONTRACTOR ON SITE AND ANY DISCREOENCIES REPORTED TO THE ARCHITECTS

LEGEND:

- EXISTING STRUCTURE
- REINFORCED CONCRETE TO STRUCTURAL ENGINEERS SPECIFICATION
- 100 mm NOMINAL THICKNESS GYPROC METAL STUD PARTITION
- BLOCKWORK TO STRUCTURAL ENGINEER'S SPECIFICATION. NOMINAL THICKNESS 100 mm - 140 mm
- BRICKWORK NOMINAL THICKNESS 100 mm
- INSULATION BY CELOTEX, ISOVER OR KINGSPAN NOMINAL THICKNESS 50 mm - 240 mm
- STEELWORK AS DESIGNED BY STRUCTURE ENGINEER FIRE PROTECTED TO GIVE 60 MIN. FIRE RESISTANCE TO BE USED STRICTLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
- SVP SOIL WASTE VENT PIPE
- VP VENT PIPE
- RWP RAIN WATER PIPE
- RWO RAIN WATER OUTLET
- B BOILER
- EM ELECTRICITY METER
- GM GAS METER
- OPTICAL SMOKE DETECTOR WITH SOUNDER
- MAINS MAINTAINED AND BATTERY BACKED UP SMOKE DETECTION SYSTEMS TO COMPLY WITH BS 5839(PART1)
- MAINS OPERATED HEAT DETECTOR TO COMPLY WITH BS 5446

Scale: 1:100

0 2 4 6 m

REV	DESCRIPTION	DATE
A	Planning Issue	271011

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DRAWING TITLE
Proposed Section

DRAWN BY	DATE	CHECKED
FM	Jul 11'	RC
SCALE	SIZE	STATUS
1:100	A3	Planning

DRAWING No: 0537 - PL300 REV: A