

FLAT ROOF to BS747: To be warm deck construction, hot bonded, 3 layers of built-up felt, laid in accordance with CP144, covering on 120mm Celotex ENERGY-LOCK EL3, on timber Deck laid on timber furring pieces to give minimum falls of 1 in 40. Roof timbers to be 175x50mm, C16, joists at 350mm centres. Flat roof construction will Achieve U-value of 0.20 W/m2K.

Lintels over Dormer Windows:
Use 2no 50 x 150 C16 timbers

Double glazing PVC UNITS
U VALUE = 1.8 W/m2K
(low-E, εⁿ =0.1, Argon filled 16mm gap)

Fascia and soffit boards to the dormer cheek, where within one metre of the site boundaries are to beformed in non-combustible materials such as a class O, Supalux board by Promat, of 9 or 12mm thickness and painted with a fire retardent paint.

NEW LOFT FLOOR: To be 21mm tongued and grooved flooring grade chipboard or 22 x 125mm T & G floorboarding on 50mmx200mm grade C16 joists @ 400c/c, with solid noggins @ mid span & beam bearings. Existing plaster ceiling to be retained below the new Loft floor structure . Insert 100mm Rockwool Flexi RW2 Sound deadening insulation quilt into floor void and 25 mm quilt into stud partitioning to meet new Sound regulations (Document E 2003 edition Building Regulations) This will also give a minimum of 1/2 hour fire protection to floor.

Roof Joist
50x175mm C16
@350mm C/C

Smoke Alarm
to BS5839

Floor Joist
50x200mm C16
@400mm C/C

Bedroom-05

Ensure all new structural steels are installed at least 25mm above existing ceiling joists in order to allow for deflection of steels.

Bedroom-02

All doors on the first floor to be fitted with self closing devices.

Bedroom-01

Reception/ Dining

PROPOSED LOFT SECTION

Provide 100 x 50mm Rafters doubled up with existing rafters at 400mm centres OR Provide new 150 x 50mm Rafters at 400mm centres

The rafter level insulation shall be two layers of **Celotex tuff-Rtm rigid foam insulation**. First friction fix the **GA3000Z (90mm thick)** tightly between the 100x50mm rafters, ensuring that a 50mm air gap is maintained for ventilation above the insulation. Then mechanically fix the **GA3000Z (40mmthick)** under the rafters with but joints taped up. Finally, line with 12.5mm plasterboard and skim to form the ceiling. All to Achieve **U-value of 0.20 W/m2K**.

To attic stud wall fix **Celotex GA3060Z (70mm thick)** tightly between the studs, ensuring that a 40mm cavity is maintained towards the front of wall. Then mechanically fix **GA3012Z (12mmthick)** over the face of the studs and tape joints. Finish off with 12.5mm plasterboard and skim. All to Achieve a **U-value of 0.30 W/m2K**.

All new and altered partitions to the stairway are to be half fire resisting construction comprising a 12.5mm thick plaster lining skimmed and set.

Note: All doors to rooms opening onto the stairway, except bathrooms, are to be provided with Fire Doors, FD30/S. All door stops are to be upgraded to to 25mmx35mm, screwed on at 225mm centres.

Mechanical extract ducts:
No mechanical extract ducts should be located within the depth of a floor required to be fire and sound resistant.

			CLIENT MS DHRUTI JOSAN	PROJECT 25 CHARLBURY ROAD ICKENHAM UB10 8EY	SCALE 1:50@A3	DRAWING NO.	REV.	AARKZ Design Associates	
					DATE AUG 17	DRAWN WN	05		
			DRAWINGS TO BE READ IN CONJUNCTION WITH RELEVANT DRAWING AND SPECS. DRAWINGS NOT TO BE SCALED. FIGURED DIMENSIONS ONLY. ANY DISCREPANCIES ARE TO BE POINTED TO THE ARCHITECT. THE ARCHITECT IS NOT LIABLE FOR ANY FAULTS NOT RAISED. DRAWINGS NOT TO BE SCALED FOR LAND TRANSFER PURPOSES	DRAWING TITLE PROPOSED SECTION	00.51.01.1.52.02.5 Meters @ 1:50 @ A3				96 CAMBRIDGE ROAD, ILFORD, IG3 8LY TEL: 0750 645 9645 E.mail: aarkzdesign@gmail.com
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