

**FLAT ROOF**

3 layer felt roof system on 120mm of Kingspan flat roof insulation on 18mm WPB plywood on firrings to provide 1 in40 fall. New joists to be 150 x 50 treated C16 timber at 400mm centres Ceiling formed using 12.5mm foil backed plasterboard with 3mm skim finish

**PITCHED ROOF**

Interlocking concrete tiles on 50 x 38 tanalised battens on Tyvek breathable felt on 100x50 c16 rafters at 400mm c/s pitched roof to be vented at eaves and ridge minimum 50mm ventilation space over insulation 50mm Kingspan insulation between rafters and 72mm composite PIR Insulation board fixed beneath

**ELECTRICS**

Electrical works to be undertaken by qualified electrician and in accordance with Approved Document P

**LOFT FLOOR**

22mm T&G P5 grade chipboard on 195 x 50 C16 at 400mm centres with 100mm rockwool insulation suspended in chickenwire ceiling formed with 12.5mm fireline plasterboard and skim finish

**SMOKE AND HEAT DETECTION**

Mains wired, interlinked smoke detectors to be placed in each circulation space, with a heat detector in the kitchen

**STEEL BEAMS/COLUMNS**

All new steelwork to be coated with intumescent paint to provide a minimum of 1/2hr fire resistance

**NEW WINDOWS**

New UPVC windows with double glazed units to min 1.6W/m2k Windows provided with 10,000mm2 background ventilation Windows adjacent to doors to be toughened glass Windows to have openable area equivalent to 1/20th of rooms floor area

**WASTES**

32mm basin, 40mm bath shower and sink combined wastes to be 50mm All wastes to have deep seal traps

**STAIRS**

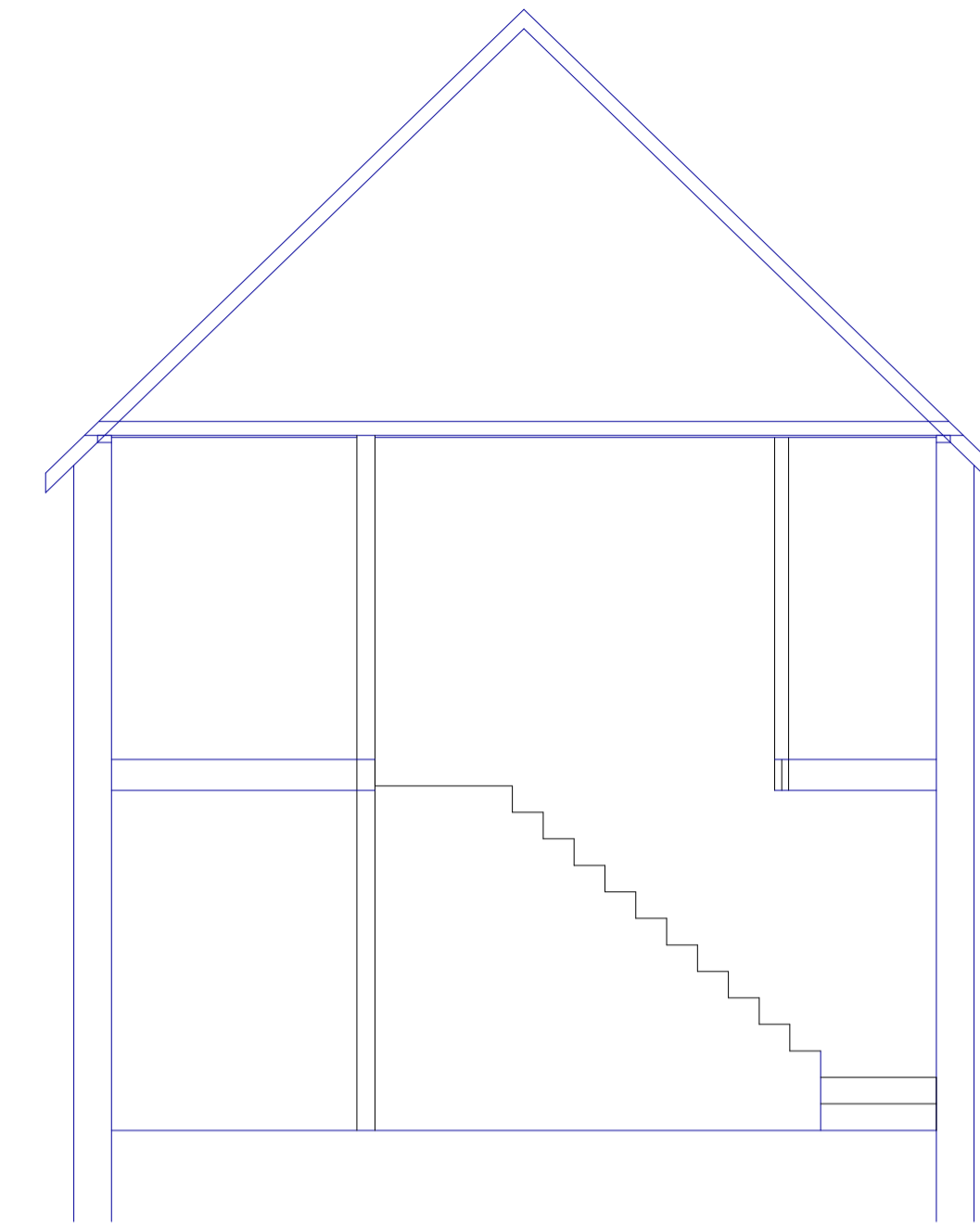
Stair to have a maximum pitch of 42 degrees, and a handrail fixed at 900mm above tread Minimum headroom above the stair to be 2m (Contractor is responsible to check to ensure headroom requirements are met before stair is ordered)

**MECHANICAL VENTILATION**

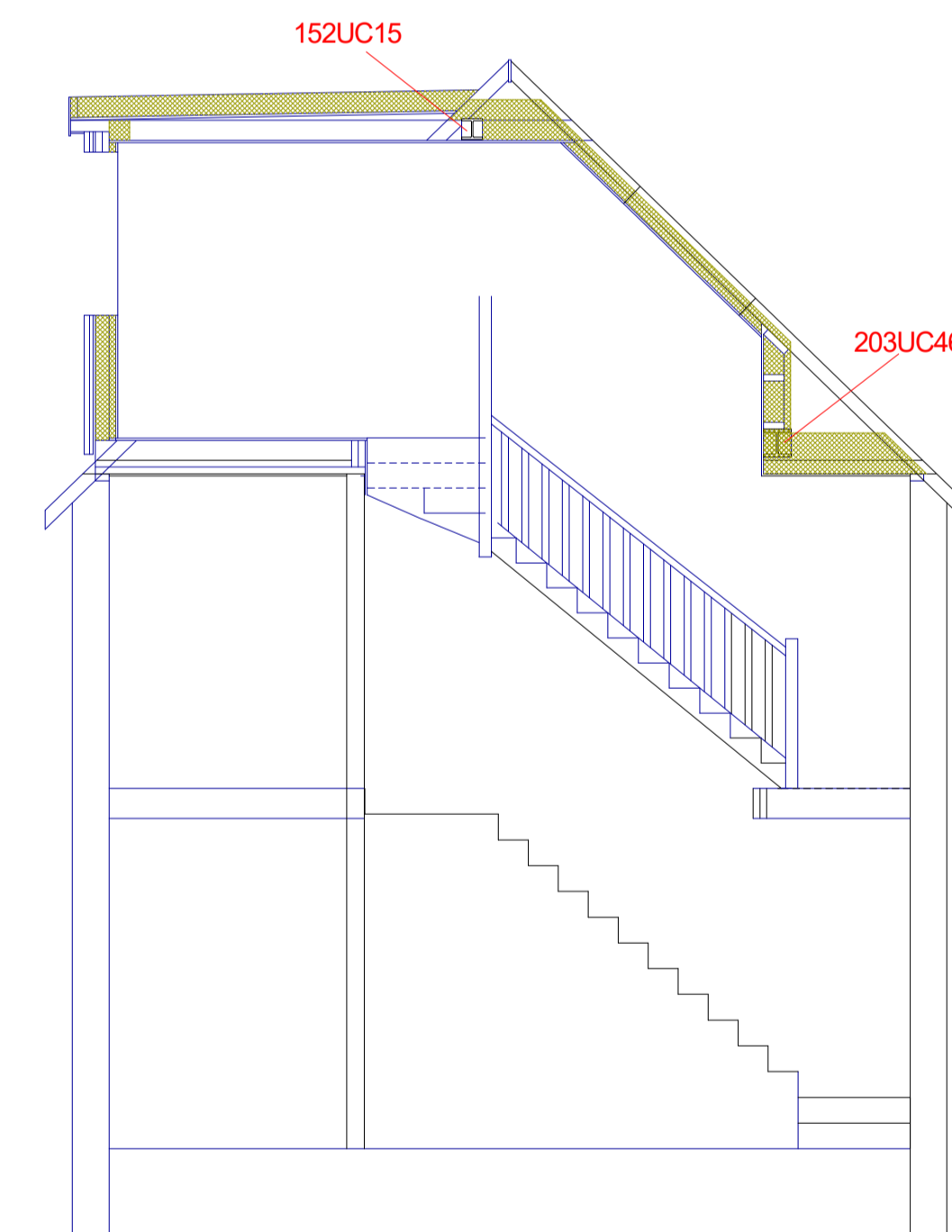
Bathrooms to have 30l/s fan All fans to discharge to external air via appropriate size duct Bathrooms to have humidistat control

**DORMER CONSTRUCTION**

100x50 C24 grate timbers, clad with 18mm WPB plwood, 6mm fire rated cement board, Tyvek breathable membrane, 25x38mm treated battens, tile hanging. Studwork filled with 100mm Kingspan insulation and lined internally with 62.5mm kingspan insulated plasterboard Boundary side cheek to be provided with 12mm Supalux firecheck board,



**EXISTING SECTION**



**PROPOSED SECTION**

PROJECT  
42 Midhurst Gardens  
Hillingdon

SCALE: 1-50 @A1

DRAWN: Andy Wilcock

DATE: 2nd March 2026

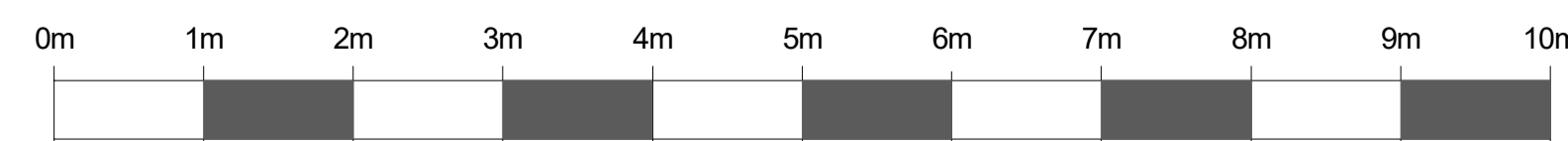
DRAWING NUMBER  
543-3

REV

**EXISTING AND PROPOSED SECTIONS AND SPECIFICATION**

REV	DESCRIPTION	DATE

Drawings are not to be scaled from  
Any discrepancies are to be report at the earliest opportunity  
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**Highford**  
Design and Build Limited

Highford, 9 Copes Shroves, Haelemere, Bucks HP15 7AG  
email: info@highforddesign.co.uk - web: www.highforddesign.co.uk  
mobile: 07557 340205