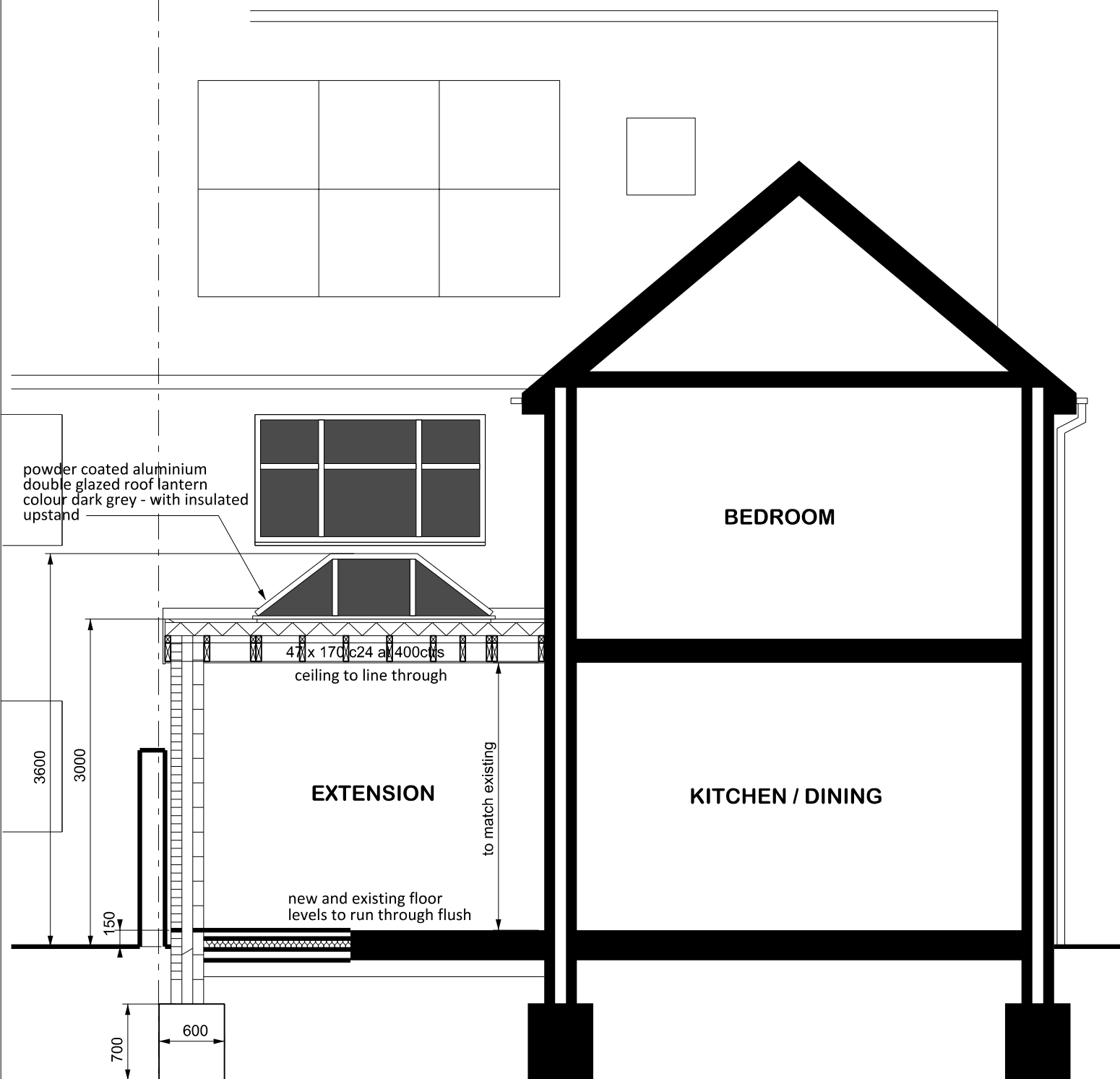




scale 1:50

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SECTION A-A

EXTERNAL WALL CONSTRUCTION

300mm overall thickness, comprising 102.5mm facing brickwork to match existing with 100mm 3.6N/mm blockwork nominal 100mm cavity incorporating 90mm Kingspan K106 type insulation, with 10mm residual cavity installed in strict accordance with manufacturers instructions, max thermal conductivity of 0.022. Provide 100mm thick aerated high strength concrete internal skin, min compressive strength of 3.6N/mm sq, finished internally with 12.5mm plasterboard and skim. Wall construction to achieve max U value of 0.18 w / Msq Deg C in accordance with approved document L1, inner leaf of wall to achieve min mass of 120kg/m/sq in accordance with approved document E section 2. Wall ties to comprise of stainless steel, for use which suits full fill cavity as noted above and to BS 1243 1978 to be installed generally at 450mm centres vertically and 600mm centres horizontally, staggered and at 225mm centres at reveals. Top of cavity wall to be closed with either mineral wool or calcium silicate board in accordance with Robust detail 3.01. Cavity wall at door / window reveals to be closed using a proprietary insulated dpc/ thermal cavity closer in accordance with Robust detail 3.12. Window/ door head to have polystyrene backed plasterboard finish in accordance with Robust detail 3.10

EXTERNAL WALL LINTELS

Catnic Cougar range (or similar approved) insulated galvanised steel lintols (to BS5977) to Manufacturers schedule, built in with min. 150mm end bearing to each side. Lintel schedule to be submitted to the Structural Engineer for approval.

HEATING CONTROLS

There shall be a room thermostat or thermostatic radiator valves or any other equivalent form of sensing device, to control the output of the heating system new extension heating type to be underfloor heating - exact type to be confirmed by client

GLAZING

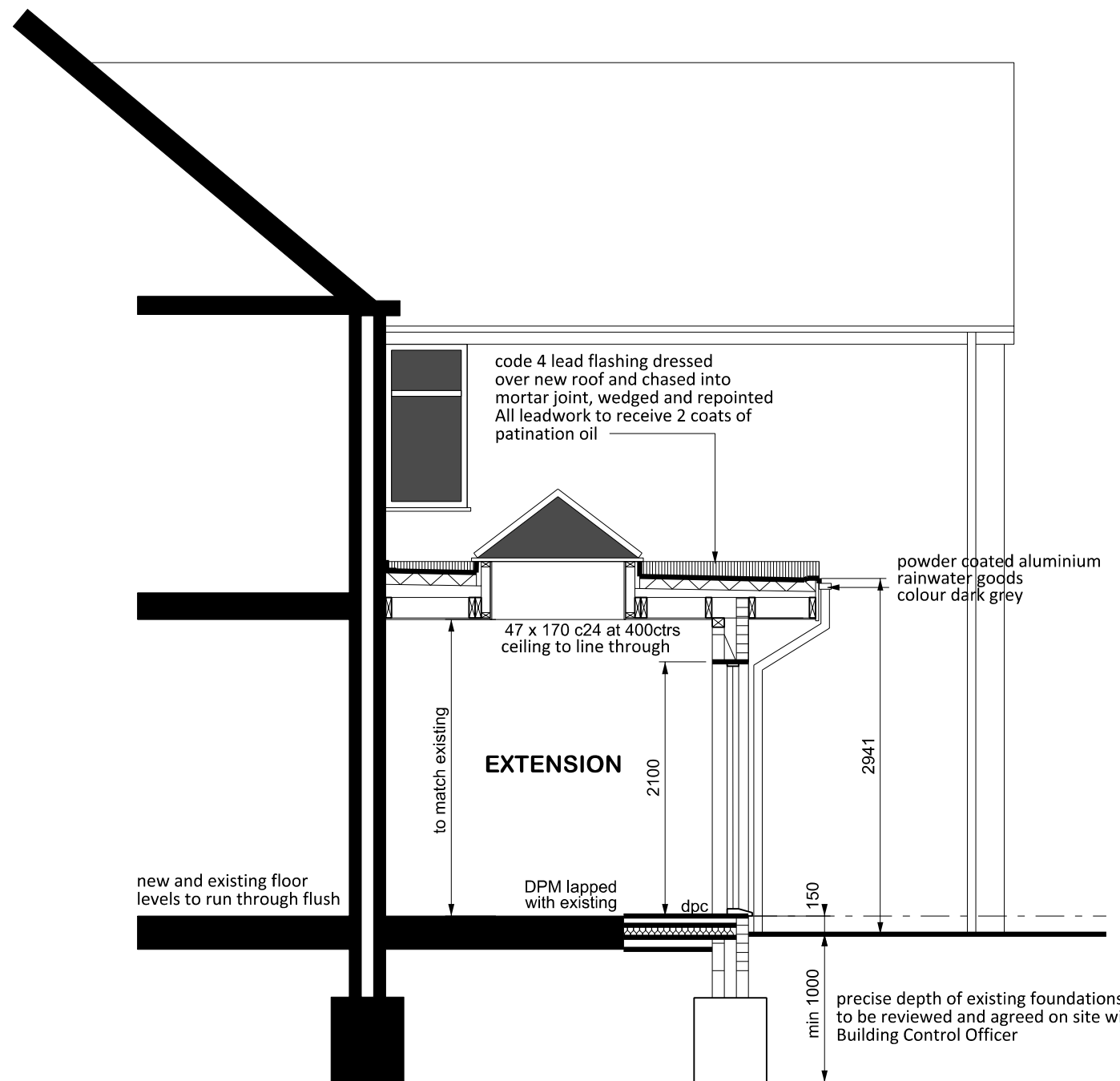
Factory made double glazed units, to give max u-value of 1.4W/m2k or be Window energy rating band B (as specified by window manufacturer). glazing in the following locations to be toughened safety glass to BS6206, 1981: between f.f.l. & 800mm high. between f.f.l. & 1500mm high in doors or side panels.

BACKGROUND VENTILATION

System 3 background ventilators in accordance with Table 1.2c, Approved Document F1. 2006 Edition. All windows to habitable rooms to be fitted with trickle ventilator providing background ventilation opening of not less than 8000mm2 total to each room.

GLAZING IN CRITICAL AREAS

All glazing in critical areas-ie 800mm above any flt to windows and 1500mm above flt to doors to be toughened in strict accordance with Approved document N



SECTION B-B

BI-FOLD DOORS AND LANTERN

Powder coated thermally broken aluminium window frames All windows to habitable windows to be fitted with trickle ventilators. Opening lights to be not less than 1/20th of the rooms floor area and open more than 30°, to provide rapid ventilation. All cills and thresholds to project over brickwork to prevent ingress of water and cold bridging. All window and door frames to be fully draught stripped and all new glazing to comprise of sealed double glazed units of low emissivity type glass with minimum 16mm air gap in between panes of glass, ensuring a maximum U value of 1.4 W/Msq Deg c

COLD AIR INFILTRATION

To comply with Approved Document L 1.25 a-e. All doors and windows to have mastic seals at perimeter of openings externally and draft seals internally. Loft hatches to include draft seals. Service pipe penetrations to be sealed. Concealed services to be sealed where they penetrate floors and ceilings.

ELECTRICAL INSTALLATION

All electrical installations to comply with guidelines set out in Approved Document P 2013 of the current Building Regulations, and upon completion be certified with certificates as set out in BS 7671 part 7 and IEE wiring regulations, appended with sufficient information to allow any future works and or maintenance All work to be carried out by competent Electrical contractor . Provision to be made for fixed lighting that will only take lamps with a luminous efficacy greater than 40 lumens per circuit-watt, ie energy efficient, in strict accordance with Approved document L1

Client

MAHANT PATEL

Project

220 WARWICK ROAD
KENILWORTH
CV8 1FD

Drawing Title

PROPOSED SECTIONS

Drawn	Checked	Paper Size	Scale	Date
VC	W	A3	1:50	05-11-2023
Project No. 23145		Drawing No. 003		Revision

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