



PE01 | Proposed West Elevation

Printed Scale Factor | 1mm : 50mm
Scale Valid When Printed At : ISO 216-A1

Global Height Benchmark

Datum GCP | Ground Floor Finished Floor Level

All height measurements on this drawing are taken from the existing ground floor finished floor level, which serves as the universal site datum benchmark unless otherwise specified. Heights are set globally based on the primary ground control point established during the survey. If exact coordinates of this ground control point are required, please contact Noble Architecture.



PE03 | Proposed North Elevation

Printed Scale Factor | 1mm : 50mm
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EW10 Exterior Cavity Wall - Fully Filled With Insulation	
1. Outer Wall Leaf	Facing Brickwork – Refer to BK20 For Full Specification
1.1. Above DPC	Engineering Brickwork – Refer to BK10 For Full Specification
1.2. Below DPC	
2. Cavity Insulation	150mm
2.1. Thickness	Mineral Wool Insulation
2.2. Material	Knauf Dritherm Cavity Slab or equivalent
2.3. Product	Alternatives must achieve a λ Value of 0.032 W/mK or lower
2.4. Performance	Ensure insulation is tightly fitted and joints are butted, vertical and horizontal joints between panels should be staggered.
2.5. Installation	CE marked and BBA certified for compliance
2.6. Accreditations	BS EN 13162:2012 Thermal insulation in buildings
2.7. Standards	
3. Cavity Wall Ties	See RE10 For Full Specification of Ties And Masonry Restraints
3.1. Reference	
4. Inner Wall Leaf	Aircrete Blocks
4.1. Material	H+H Celcon
4.2. Product	Standard Grade - 3.6N blocks
4.3. Important	In areas of High Structural Loading, the density of blockwork may need to be increased. Consult the Engineer's Report to determine locations where blockwork should be upgraded to 7N blocks or higher for increased load-bearing capacity.
4.4. Dimensions	Block Length (L) - 440 mm Block Height (H) - 215 mm Block Width (W) - 100 mm
4.5. Performance	Alternatives must achieve a λ Value of 0.15 W/mK or better thermal value.
4.6. Note	Use a 1:6 mortar mix for inner leaf blockwork to provide adequate strength while maintaining good workability.
5. Internal Finish	Standard 12.5mm Plasterboard
5.1. Material	Boards to be applied to walls using plasterboard adhesive.
5.2. Installation	Apply a 3mm skim coat finishing the board.
5.3. Finish	Ensure boards are tightly butted, with all joints taped and sealed before plastering.
6. Part L Compliance	
6.1. Required U-value	0.180 W/m²K - Min for Extension Walls Approved Part L 2022 Updates
9.2. Our Value	0.179 W/m²K - ✓ U-value Achieved ✓ - Exceeds Part L requirement



PE02 | Proposed East Elevation

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BK10 Brickwork – Below DPC Level	
1.1. Material	Use Engineering Bricks below the DPC Level.
1.2. Finish Type 1	Use Blue Smooth Faced Bricks for the splash course to ensure aesthetic consistency.
1.3. Finish Type 2	Bricks below the splash course should match the Red colouring of the host building.
1.4. Dimensions	Brick Length (L) - 215 mm Brick Height (H) - 65 mm Brick Width (W) - 102.5 mm
1.5. Grade	Minimum Class B engineering brick for use in below-ground conditions.
1.6. Resistance	Maximum water absorption rate ≤ 7% by weight to minimise moisture ingress.
1.7. Strength	Brick 75 N/mm² compressive strength Approx. 50 to 60 N/mm² when bonded with mortar.
1.8. Critical Note	Ensure a minimum composite compressive strength of 50 N/mm² for the combine brick-mortar assembly.
1.9. Rationale	Engineering bricks are used below DPC for their low moisture absorption, minimising freeze-thaw spalling. Their high strength and water resistance ensure suitable durability below the DPC line or in ground-contact conditions.
1.10. Consideration	If the site falls within a known radon gas area, integrate a radon protection barrier membrane into the DPC meet BS 8485:2015 standards for ground gas protection.
1.11. Standards	Comply with BS 8102:2009 for waterproofing below ground. Comply with BS EN ISO 10211 for thermal bridging. Comply with BS 8485:2015 for radon and gas protection.

BK20 Mortar – Below DPC Level	
2.1. Material	1:4 Mix (Cement: Sand) / M6 Grade Mortar, providing a durable, frost-resistant mix suitable for below-ground applications.
2.2. Important	Add frost-resistant additives to the mix when working in cold or unpredictable weather conditions to prevent damage.
2.3. Important	Use sulphate-resistant cement or additives if ground conditions are sulphate rich to prevent deterioration of the mortar.
2.4. Standards	Comply with BS 8215:1991 for below ground damp-proof courses.
2.5. Installation	Brickwork should not be undertaken during periods of harsh prolonged frost or heavy rain to avoid compromising the mortar strength.

WR10 Exterior Window Glazing Specification	
1.1. Applicability	Applies to habitable rooms (e.g. Living Rooms, Bedrooms) and designated spaces as per Approved Document B.
1.2. Thermal Performance (Part L)	Overall U-value ≤ 1.4 W/m²K; typically achieved with low-E, argon-filled double or triple glazing - Centre-pane U-value -1.1 W/m²K for double glazing - Centre-pane U-value -0.8 W/m²K for triple glazing
1.3. Glazing Safety (Part K)	Safety glass is required for glazing below 800 mm from the floor or near door openings, in accordance with BS 6262.
2.1. Background Ventilation	Minimum 5,000 mm² EA recommended; larger areas may require up to 8,000 mm² EA to ensure sufficient background ventilation.
2.2. Vent Control	Vents should be operable and controllable to manage draughts and maintain indoor comfort.
3. Emergency Egress	Bedrooms must incorporate an emergency escape window as stipulated by Approved Document B. Clear openable area ≥ 0.33 m², with Minimum Width Of 450 mm; Window sills should be no higher than 1,100 mm above floor level for safe egress.
3.2. Escape Openings	
4. Frame, Materials & Glazing	Frames constructed from uPVC. See Window Schedule.
4.2. Finish	Glazing must achieve the required U-values with low-E coatings; double or triple glazed units should comply with Part L requirements.
5. Security & Locking Enhancements	Windows should incorporate a locking system with anti-pry hardware, in compliance with NHBC and relevant BS standards.
5.1. Locking Mechanism	
6. Standards Compliance	Installation must be carried out by a FENSA Registered installer. BS EN 1279-5:2018
6.1. FENSA Compliance	
6.2. Relevant Standards	Any alternative window system must maintain or exceed the specified thermal, safety, ventilation, and security performance criteria.
7. Substitutions	



PE04 | Proposed South Elevation

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