BUILDING REGULATION CODES

- UNVENTED PITCHED ROOF -REAR EXTENSION

Pitch 22-45*. To achieve U-value 0.18 W/m*K. Timber roof structures to be designed by an Engineer in accordance with NHBC Technical Requirement R5 Structural Design. Calculations to be based on BS EN 1995-1-1. Roofing tiles to match visiting on 25 x 38mm tanalised sw treated battern or heathbase asking felt to relevant BBA Certificate. Supported on 47 x 170mm grade C24 rafters at max 400mm centres span to engineer's details. Rafters supported on 100 x 50mm treated sw wall plates. Allow min 20mm space to allow for drape of breathable felt. Insulation to be 120mm Celotex XR4000 fixed between rafters and a further 40mm below. Fix 125mm foil backed plasterboard (pints staggered) and 5mm skim coat of the underside of all ceilings using galvanized plasterboard nails. (An additional 15mm pur insulation to be provided under rafters to prevent thermal bridging if required) for the control of the contro

- TRUSSED RAFTER ROOF

Pitchet roof to be formed using proprietary prefabricated manufactured trusses. Design of roof trusses to be produced by specialist truss manufacturer to BS EN 585:1958 and submitted to Building Control for approval prior to commencement of work. Trusses to be placed at 800tcs in accordance with BS 8103-2009 and BS EN 1995-1 on suitable wall plates fixed using proprietary galvanised steel truss clips. All strapping, fixing and bracing to be in accordance with manufacturer's instructions. Mechanically fix trusses to 100 x 50mm we treated wall plates using alvanized set let russ clips. Form ceiling using 12 5mm plasterboard and min 3mm thistle multi-firish plaster and lay 150mm Rockwool insulation between cliniq joists with a further 170mm layer over joists (cross direction). Provide polythene vapour barrier between insulation and plasterboard. Encode evide evide at least equal to continuous strip 25mm wide in two opposite sides to promote cross-ventilation. Mono pitched roofs to have ridge/high level ventilation equivalent to a 5 mm apo via proprietary tile vents spaced in accordance with manufacturer details.

- LEAD WORK AND FLASHINGS

All lead flashings, any valleys or soakers to be Code 5 lead and laid according to Lead Development Association. Flashings to be provided to all jambs and below window openings with welded upstands. Joints to be lapped min 150mm and lead to be dressed 200mm under tiles, etc. All work to be undertaken in accordance with the Lead Development Association recommendations.

INTERNAL STUD PARTITIONS

100mm x 50mm softwood treated timbers studs at 400mm crs with 50 x 100mm head and sole plates and solid intermediate horizontal noggins at 1/3 height or 450mm. Provide min 10kg/im² density acoustic soundproof quilt tightly packed (e.g. 100mm Rockwool or Isowool mineral filter sound insulation) in all voids the full depth of the stud. Partitions built off d'Oublèd up joists where partitions run parallel or provide noggins where at right angles, or built off DPC on thickened concrete slab if solid ground floor. Walls faced throughout with 12.5mm plaster board with skim plaster finish. Taped and jointed complete with beads and stops.

- INTERMEDIATE FLOORS

Intermediate floor to be 25mm t8g flooring grade chipboard or floorboards laid on C24 joists at 400mm ctrs (see engineer's calculation for sizes and details). Lay 100mm Rockwool mineral fibre quilt insulation min 10kg/m² or equivalent between floor joists. Celling to be 12.5 FireLine plasterboard with skim plaster set and Joist spans over 2.5m to be strutted at mid span using 38 x 38mm herringbone strutting or 38mm solid strutting (at least 23 of joist depth). In areas such as kitchens, utility rooms and bathrooms, flooring to be moisture resistant grade in accordance with BS EN 312-210. Identification arriving the late of the plant period in the plant period in the size of the siz

- CLADDED FULL FILL CAVITY WALL -FRONT AND REAR

To achieve minimum U Value of 0.28W/m²K. Plmm (or similar) Composite Cladding fixed to timber treated battens 25deep x 50 wide fixed to 100mm 19mm (or similar) Composite Cladding fixed to timber treated battens 25deep x 50 wide fixed to 100mm lightweight block, K value 0.16, (Aircrete, Celcon solar, Toplock Toplet Standard). Fully filt the exity with 85mm Driherm32 cavity insulation as manufacturer's spec. Indeed to be 100mm lightweight, K value 0.16, (Aircrete, Celcon solar, Toplock toplite standard). Internal finish to be 12.5 mm plasterboard on dabs. Walls to be built with 1:1:6 cement mortar.

SMOKE DETECTION

Mains operated linked smoke alam detection system to BS EN 14604 and BS5639-62013 to at least a Grade D category LD3 standard and to be mains powered with battery back up. Smoke alariams should be sited so that there is a smoke alamin the circulation soci or all levels! storeys and within 7.5m of the door to every habitable room. If ceiling mounted they should be 300mm from the walls and light fittings. Where the kitchen area is not separated from the stairway or circulation space by a door, there should be an interlinked heat defen in the kitchen.

- FSCAPF WINDOWS

Provide emergency egress windows to any newly created first floor habitable rooms and ground floor inner rooms. Windows to have an unobstructed openable area of 450mm high x 450mm wide, minimum 0.33m sq. The bottom of the openable area should be not more than 1100mm above the floor. The window should enable the person to reach a place free from danger from fire.

- NEW AND REPLACEMENT WINDOWS

New and replacement windows to be double glazed with 16mm argon gap and soft coat low-E glass. Window Energy Rating to be Band C or better and to achieve U-value of 1.6 Wim*r. The door and window openings should be limited to 25% of the extension floor area plus the area of any existing openings covered by the extensions.

- NEW AND REPLACEMENT DOORS

New and replacement doors to achieve a U-Value of 1.80W/m³K. Glazed areas to be double glazed with 16mm argon gap and soft low-E glass. Glass to be toughened or laminated safety glass to BS 6206, BS EN 14179 or BS EN ISO 12543-1:2011 and Part K (Part N in Wales) of the current Building Regulations.

- ELECTRICAL

All electrical work required to meet the requirements of Part P (electrical safety) must be designed, installed, inspected and tested by a competent person registered under a competent person self certification scheme such as BRE certification Ltd, BSI, NICEIC Certification Services or Zurich Ltd. An appropriate BS7671 Electrical Installation Certificate is to be issued for the work by a person competent to do so. A copy of a certificate will be given to Building Control on completion.

- STAIRS

Dimensions to be checked and measured on site prior to fabrication of stairs. Timber stairs to comply with BSSSS and with Part K of the Building Regulations. Max rise 20mm, min going 20mm. Two risers plus one going should be between 550 and 70mm. Tapered treads to have going in centre of tread at least the same as the going on the straight. Min 50mm going of tapered treads measured at narrow end. Pitch not to exceed 42 degrees. The width and length of every landing should be at least as great as the smallest width of the Doors which swing across a landing at the bottom of a flight should leave a clear space of at least 40mm across the full width of the flight. Min 2.0m headroom measured vertically above pitch line of stairs and landings. Handrail on staircase to be 900mm above the pitchline, handrail to be at least one side if stairs are less than it mw wide and no both sides if they are wider. Ensure a clear width between handrails of minimum 600mm. Balustrading designed to be unclimbable and should contain no space through which a 100mm sphere could pass. Allow for all structure as designed by a Structural Engineer.

- EXTRAXT TO BATHROOM

Bathroom to have mechanical vent ducted to external air to provide min 15 litres / see extraction. Vent to be connected to light switch and to have 15 minute over run if no window in room. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 1314-4. All fixed mechanical ventilation systems, where they can be tested and adjusted, shall be commissioned and a commissioning notice given to the Building Control Body.



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CLIENT

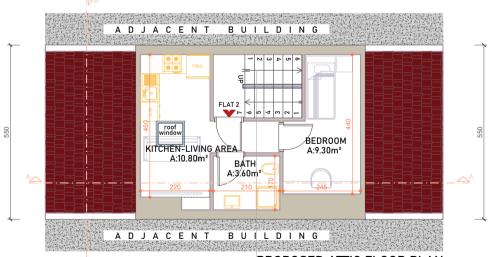
PROJECT

28 DUKE STREET, CA28 7EU WHITEHAVEN, CUMBRIA UK

DRAWN BY M.BURAK TOSUN DILARA EFE

DATE 11/05/2022

NOTES



STAIRCASE SPEC: PROPOSED ATTIC FLOOR PLAN

Floor to floor :2800mn
Ind. Rise :233mm
Tread Length :225mm
Width :763mm
Length :3000mn

EXISTING AND PROPOSED ATTIC FLOOR PLAN

/scale 1:100/

A1.7