

CAVITY WALL INSULATION - 350mm (100, 150, 100)

THERMAL PERFORMANCE

ENSURE CAVITY INSULATION IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL.

INSTALL PROPRIETARY CAVITY CLOSER WITH MINIMUM THERMAL RESISTANCE THROUGH THE CLOSER OF NOT LESS THAN 2.90 m²K/W.

ENSURE DPC TRAY WRAPPED AROUND CILL IS INSTALLED CORRECTLY

ENSURE SPECIFIED THERMAL BLOCK IS INSTALLED TO MANUFACTURES GUIDANCE.

ENSURE MINIMUM 50mm THIN-R (0.022 W/m K) INSULATION INSTALLED BEHIND SILL

AIR BARRIER - CONTINUITY

SEAL ALL PENETRATIONS THROUGH AIR BARRIER USING AIR TIGHTNESS TAPE.

MASONRY INNER LEAF WITH WET-FINISH PLASTER

APPLY FLEXIBLE SEALANT TO ALL JUNCTIONS BETWEEN PLASTER AND SILL BOARD AND BETWEEN SILL BOARD AND WINDOW FRAME.

ENSURE PHONITHERM 200 THERMAL INSULATION IS INSTALLED BEFORE AIR TIGHTNESS TAPES, SEALED AT WINDOW/ DOOR & INTERNAL BLOCK FACE.

IF FORMING THE WALL AIR BARRIER WITH BLOCKWORK INNER LEAF OR WITH SCRATCH COAT ON BLOCKWORK, INSTALL A FLEXIBLE SEALANT BETWEEN THE CAVITY CLOSER AND THE BLOCKWORK WALL

GENERAL NOTES

ENGINEERS DRAWINGS AND SPECIFICATION TO SUPERSEDE ARCHITECTS

KEEP CAVITIES CLEAN OF MORTAR SNOTS AND OTHER DEBRIS DURING CONSTRUCTION

TO BE READ IN CONJUNCTION WITH THE ACCEPTABLE CONSTRUCTION DETAILS ANY CHANGES TO THE ABOVE CONSTRUCTION MAY CHANGE THE CALCULATED VALUES.

THE U VALUES INDICATED ON THIS CERTIFICATE ARE THE ACTUAL U VALUES FOR THE PROPOSED CONSTRUCTION. THE PSI VALUES ARE CALCULATED USING THE MODELLED U VALUE IN ACCORDANCE WITH THE GUIDELINES SET OUT IN BR497 AND ISO 10211.

OPENING - CONCRETE FORWARD SILL

INTERNAL

EXTERNAL

INTERNAL

EXTERNAL

Thermal Block

100 150 100

Structural Width 350mm

380mm Approx. Overall Width

Preformed D.P.C tray to wrap around Precast Concrete Cill

Proprietary Cavity closer insulation at Window openings shall consist of Unilin Close-R (FR) or equivalent

Stainless Steel Wall Ties with Insulation Retaining Clips to Engineers Specification

350mm Cavity Wall Construction Consisting of 100 x 215 x 440mm Dense Concrete Blockwork, 150mm Cavity with 150mm Unilin CavityTherm CT/PIR (0.021 W/mK) or equivalent Full Fill Insulation to be Installed to Manufactures Installation Guidelines & Detailing

Wet Dash Render with Decorative stone Finish, Refer to Architects Specification

Polyester Powder Coated Thermally Broken Aluminum Window Exceeding U-value to exceed 1.2 W/m²K. Refer to Architects full Window Specification. Style, break-ups and colour to be signed off by Architect prior to order.

Softwood Window Board Painted & Primed. Refer to Architects specification

Air-Tightness tape, Tescon by Pro Klima or equivalent to be Taped & Sealed to window/ wall

100 x 215 x 440mm Mannok or equivalent Solid Thermal Blocks to be provided with Min 50mm Unilin PIR or equivalent insulation packed behind Cill. Refer to Architects Specification to be read alongside Manufactures Guidance.

11mm Gypsum Gyproc "Hardcoat" or equivalent to be Applied to Warm Side of 100mm Internal Leaf than Lightly Scratched Prior to 2.5mm Gyproc or equivalent Skim Coat Finish.

NOTE: ENGINEERS SPECIFICATION SUPERSEDES ARCHITECTS SPECIFICATION

CAVITY WALL INSULATION -350mm (100, 150, 100)

THERMAL PERFORMANCE

ENSURE CAVITY INSULATION IS SECURED FIRMLY AGAINST INNER LEAF OF CAVITY WALL.

ENSURE INSULATED LINTEL IS INSTALLED AS SPECIFIED BY STRUCTURAL ENGINEER .

ENSURE DPC IS INSTALLED ALONG WITH CAREFULL DETAILING OF CAVITYTHERM CT/PIR TO SIT NEATLY WITH INSULATED LINTEL.

ENSURE SPECIFIED THERMAL BLOCK IS INSTALLED TO MANUFACTURES GUIDANCE.

AIR BARRIER - CONTINUITY

SEAL ALL PENETRATIONS THROUGH AIR BARRIER USING AIR TIGHTNESS TAPE.

MASONRY INNER LEAF WITH WET-FINISH PLASTER

APPLY FLEXIBLE SEALANT TO ALL INTERFACES BETWEEN INTERNAL AIR BARRIER AND WINDOW/DOOR FRAME MEMBERS

GENERAL NOTES

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OPENING - JAMB WITH PROPRIETARY CAVITY CLOSER

INTERNAL

EXTERNAL

INTERNAL

EXTERNAL

Wet Dash Render with Decorative stone Finish, Refer to Architects Specification

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11mm Gypsum Gyproc "Hardcoat" or equivalent to be Applied to Warm Side of 100mm Internal Leaf than Lightly Scratched Prior to 2.5mm Gyproc or equivalent Skim Coat Finish.

100 x 215 x 440mm MANNOK or equivalent Solid Thermal Blocks to Window / Door Reveals

Precast Concrete Cill (100mm face depth to suit wall make-up, Extends 100mm Horizontally Both sides of window jamb) wrapped with DPC, have 25mm Minimum Vertical Insulation to Rear

Stepped D.P.C to Carry Down Outside Window / Door

Polyester Powder Coated Thermally Broken Aluminum Window Exceeding U-value to exceed 1.2 W/m²K. Refer to Architects full Window Specification. Style, break-ups and colour to be signed off by Architect prior to order.

Proprietary Cavity closer insulation at Window / Door openings shall be Unilin Close-R (FR) or equivalent

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ENSURE PHONOTHERM 200 THERMAL INSULATION IS INSTALLED TO FULL PERIMETER OF WINDOW REVEAL

AIR BARRIER - CONTINUITY

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OPENING - PRE - STRESSED CONCRETE LINELS

INTERNAL

EXTERNAL

INTERNAL

EXTERNAL

380mm Approx. Overall Width

350mm Structural Width

100mm 150mm 100mm

Thermal Blocks

11mm Gypsum Gyproc "Hardcoat" or equivalent to be Applied to Warm Side of 100mm Internal Leaf than Lightly Scratched Prior to 2.5mm Gyproc or equivalent Skim Coat Finish.

100x 215 x 440mm Dense Concrete Blockwork Inner Leaf with 10mm Mortor Joint.

10mm Mortar Joint See Engineers/ Manufactures Specifications

100 x 215 x 440mm MANNOK or equivalent Solid Thermal Blocks, Refer to Architects Specification to be read alongside Manufactures Guidance.

Pre-Stressed Concrete Linel to Engineers Specifications Refer to Engineers drawings for location of alternative Steel Lintels

Air- Tightness tape, by Tescon Pro Klima or equivalent Taped & Sealed to window

150mm Cavity with 150mm Unilin CavityTherm CT/PIR (0.021 W/mK) or equivalent Full Fill Insulation to be Installed to Manufactures Installation Guidelines & Detailing

Stainless Steel Wall Ties with Insulation Retaining Clips to Engineers Specification

100 x 215 x 440mm Dense Concrete Blockwork outer Leaf with 10mm Mortor Joint, See Architect/ Engineers Spec for Additional Specification

Wet Dash Render with Decorative stone Finish, Refer to Architects Specification

Stepped D.P.C to Carry Down Outside Window / Door

Proprietary Cavity closer insulation at Window / Door openings shall consist of Unilin Close-R (FR) or equivalent

Air- Tightness tape, Pro Klima Tescon or equivalent to seal Window / wall externally.

100 x 215 x 440mm Mannok or equivalent Solid Thermal Blocks to be provided with Min 50mm Unilin PIR or equivalent insulation packed behind Cill. Refer to Architects Specification to be read alongside Manufactures Guidance.

Polyester Powder Coated Thermally Broken Aluminum Window Exceeding U-value to exceed 1.2 W/m²K. Refer to Architects full Window Specification. Style, break-ups and colour to be signed off by Architect prior to order.

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AIR BARRIER - CONTINUITY

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OPENING - PERFORATED STEEL LINTEL (STAINLESS STEEL)

INTERNAL

EXTERNAL

INTERNAL

EXTERNAL

380mm Approx. Overall Width

350mm Structural Width

100mm 150mm 100mm

Thermal Blocks

11mm Gypsum Gyproc "Hardcoat" or equivalent to be Applied to Warm Side of 100mm Internal Leaf than Lightly Scratched Prior to 2.5mm Gyproc or equivalent Skim Coat Finish.

100x 215 x 440mm Dense Concrete Blockwork Inner Leaf with 10mm Mortor Joint.

10mm Mortar Joint See Engineers/ Manufactures Specifications

Steeleite Linel to Engineers Specifications Refer to Engineers drawings

100 x 215 x 440mm MANNOK or equivalent Solid Thermal Blocks, Refer to Architects Specification to be read alongside Manufactures Guidance.

Air- Tightness tape, by Tescon Pro Klima or equivalent Taped & Sealed to window

150mm Cavity with 150mm Unilin CavityTherm CT/PIR (0.021 W/mK) or equivalent Full Fill Insulation to be Installed to Manufactures Installation Guidelines & Detailing

Stainless Steel Wall Ties with Insulation Retaining Clips to Engineers Specification

100 x 215 x 440mm Dense Concrete Blockwork outer Leaf with 10mm Mortor Joint, See Architect/ Engineers Spec for Additional Specification

Wet Dash Render with Decorative stone Finish, Refer to Architects Specification

Stepped D.P.C to Carry Down Outside Window / Door

Air- Tightness tape, Pro Klima Tescon or equivalent to seal Window / wall externally.

100 x 215 x 440mm Mannok or equivalent Solid Thermal Blocks to be provided with Min 50mm Unilin PIR or equivalent insulation packed behind Cill. Refer to Architects full Window Specification. Style, break-ups and colour to be signed off by Architect prior to order.

NOTE: ENGINEERS SPECIFICATION SUPERSEDES ARCHITECTS SPECIFICATION

RIA

Registered Architect
2024

Architect Accredited in Conservation
G3

PSOP Accreditation
P

A1

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USE DIMENSIONS ONLY - DO NOT SCALE
CONTRACTORS MUST VERIFY DIMENSIONS
ON SITE PRIOR TO STARTING WORK.

MCLA

TENDER
PURPOSES ONLY

Rev	Description:	Date:

Rev	Description:	Date:

MCLA

Unit 4B, Elm House,
Millennium Park,
Naas, Co. Kildare.
W91 K032
T: +353(0)45 854900
E: info@mclarchitecture.ie

Client :
Project :
Drawing Title :

BOM Kilmacanogue N.S
Proposed Extension at Kilmacanogue N.S
Kilmacanogue, Co. Wicklow
Proposed Architectural Construction Details
Sheet 02 of 04

Project No. :
Drawing No. :
Scale :
Date :
Drawn :

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June 2026
Glen Forde