

EXTERNAL WALL CONSTRUCTION -
TO PROVIDE - 0.15 U-VALUE (W/M2K)

- 18mm sand and cement plaster external render
- 100mm external leaf blockwork as indicated on plans.
- 150mm xtratherm partial fill insulation.
- 100mm internal blockwork.
- 10mm sealing render coat to connect with airtightness tapes and seals at all ext.junctions
- 12.5mm plasterboard and 3mm plaster skim coat finish with selected emulsion paint finish.

stepped dpc laid above insulated cavity closer
expanded metal skim to negate cracking at wall/window junction
32.5mm insulated slab around all openings and 3mm skim finish.

Airtightness tapes and seals to all junctions

proprietary insulated cavity closer by "Xtratherm" or similar approved to all 4 sides of window ope

precast concrete lintel to engineer's specification

window fixing to be on all four sides or as per manufacturer's specification fixing to be vapour resistant and flexible (manufacturer's spec.) the tolerance joint between window and ope to be filled with insulating material (mineral wool) and sealed with a precompressed ceiling tape or permanently elastic sealing material. joint sealing tape must also be applied to ensure that the window is air tight. all windows to be fitted by supplier. refer to BER for window spec.

TYPICAL WINDOW HEAD DETAIL

SCALE 1:15

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pressed metal / concrete window cill to manufactures details. T.B.C. with client & architect
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timber window board profile & finish T.B.C.

stepped dpc below window cill

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fix galvanised steel expanded metal to window reveals and head & apply 6mm pargecoat sand/cement plaster to same

window reveals and window heads to be lined with 12.5mm gyproc wallboard plasterboard mechanically fixed to the walls with galvanised steel fixings

25mm th. medite mr moisture resistant mdf window board with bullnosed edging

dpc at cill level

supply & fit contega solido sl 2 ply airtightness window sealing plastering tape all around window frame internally prior to fitting plasterboard or plastering

apply aracon f flexible sealant or equivalent around window frame after plastering

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xtratherm safe-r close-r cavity closer system to suit 150mm cavity

vertical dpc

100mm deep front face precast concrete or reconstituted stone cill wrapped in dpc

painted napped plaster finish to external leaf of blockwork

size & locations of stainless steel wall ties to be specified by the structural engineer. note that additional wall ties are required at the jambs of openings and along the roof verge & eaves

TYPICAL JAMB DETAIL

SCALE 1:15

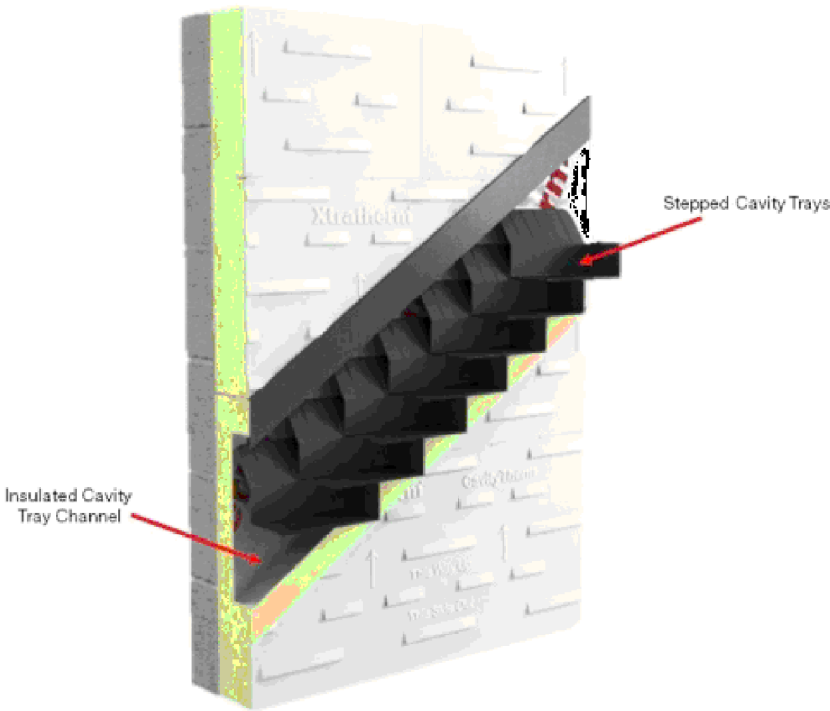


Figure 9 – Xtratherm Insulated Cavity Tray Channel.

TYPICAL CAVITY TRAY DETAIL

NOT TO SCALE

Rev:	By:	Amendments:	Date:
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STRUCTURAL DESIGN PURPOSES ONLY			
Client: <i>Saint Joseph's National School</i>			
Job: <i>Extensions and Alterations to Existing School at Saint Joseph's National School, Church View Collooney, Co. Sligo, F91 A076</i>			
Drawing title: <i>Typical Details Sheet 2</i>			
Drawn By: AS		Tech. Check: AS	
Scale: 1:15 @ A3		Eng. Check: GM	
Date: 05.06.2026		Approved: GM	
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