Single Ply Membrane (mechanically fixed) to Tapered Sikather AL roof insulation (overall U-value is 0.13Wm².K). 18mm plywood. 250mm deep metal web joists (Timber Frame Specialists to confirm) Suspended lay in grid 600mm² infilled with acoustic boards 300mm wide x 80mm deep valley guttering formed behind parapet as shown on plans. Penetrations and upstand detailing as per sika standard details. Please refer to manufacturer's instructions for further details. · U-value 0.13Wm².K -400mm Service Void -600mm x 600mm metal lay-in ceiling grid with rockfon acoustic panels (or similar) -8mm thick 250mm deep Marley weatherboarding (lapped over by 50mm). -25mm x 50mm timber vertical battens. —Marley breather membrane. -9mm OSB board fitted to 140mm timber frame wall. -140mm thick timber studs frame @ 400mm C-C (by Timber Frame Specialists) -120mm thick Recticell (or similar) PIR insulation Supporting walls to be designed by— -25mm thick PIR insulation laid directly to internal side of Timber Frame Specialist timber frame and PIR insulation (between battens). -25mm x 38mm vertical timber battens (service void to walls). -9mm OSB boarding (to reinforce walls). 140mm wide 7N blocks— Please refer to SE details— -12.5mm acoustic plasterboard and skim

----Floor Build Up

Vizqueen DPM.

P/A Value: 0.211.
 U-value 0.12Wm².K

50mm concrete floor screed with 25mm perimeter insulation.

Reinforced concrete raft foundation/floor design. Please refer to Structural Engineer's (CDS) drawings for details.

VCL separating barrier. 100mm Kingspan Kooltherm K103.

0.12W/m²K

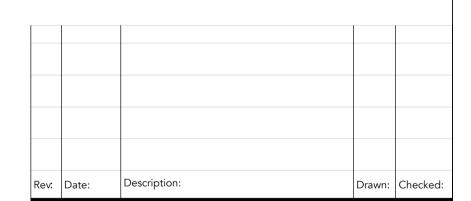
Proposed Section A-A:

1:20 at A1

0m 200mm 400mm

Notes:

All works to be carried out in accordance with the current Building Regulations, British Standards and Codes of Practice and to the satisfaction of the Building Control Body. All dimensions are to be checked on site prior to the commencement of the works. Any discrepancies to be reported prior to the commencement of the relevant works. Please note that paper prints of this drawing may not be an accurate reproduction of the given scale.



Trust Team

Proposed New Specialist Primary School

Proposed Section A-A & Details

Project Address:

Land Adj. Stubbin Wood Nursery, Burlington Avenue, Langwith Junction, Nottinghamshire, NG20 9AD.

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TENDER ISSUE

Checked: Scale (Size):
CH 1:50 @ A1

Date: March 2025

T1



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50mm x 300mm high concrete panel

Raft foundation design by— SE. Please refer to CDS drawings for details