

Helfround clay ridge tile ---Small format blue clay roofing tiles on 38x25 section tanalized softwood battens on 38x38 section counter battens ----Kingspan Nilvent or similar approved breathable sarking membrane, lapped a minimum of 150mm over the ridge from each side ----Kingspan Kooltherm K7 pitched roof insulation board above and between rafters, installed strictly in accordance with manufacturer's recommended working details, with all sarkingclips &c. Use two leyers 40mm thick insulation— 100×50 grade SC3 collars to alternate rafter pairs. Use proprietary toothed timber connectors to ensure structural coninuity— 125x50 grade SC3 rafters at 450mm centres — V-jointed tag metchboard lining to refters ---100x75 grade SC3 wallplate securely tied down to mesonry with 38x3 section galvanized mild steel 'Betstreps' et meximum 2.0m centres-9mm Supelux board cavity closer Underslate membrane to be dressed into gutter, to evoid ponding or backfalls-Circular section uPVC rain water goods — Gloss-painted marine ply facia — Where existing mesonry is to be increased in height, after removel of existing roof: a. New outer skin of masonry to be nominal 150mm rendom limestone to match existing. b. BOmm cavity, with proprietary stainless steel cavity ties at 450mm vertical and 900mm horizontal centres. Incorparate 50mm Kingspan rigid insulation board, held back against inner leaf of masonry with proprietary insulation clips--c. 100mm DCM block inner leaf— d. Hylood pitch polymer continuous cavity tray and weepholes discharging to exterior e. Upper surface of existing mesonry to be consolidated with nominal grade C35 concrete ring beam Existing mesonry to be dry-lined internelly with with 62mm Gyproc metel studs, faced with 12.5mm plasterboard and skim finish. on 1000 gauge Visqueen vepour berrier, continuous with sleb DPM/ redon berrier. Interstices between stude to be filled with Kingspan rigid insulation board. All joints to vapour barrier/ DPM to be sealed and Welded vinyl sheet flooring, with coved --skirtings on latex levelling screed on new 100mm grade C35 concrete floor slab. Incorporate Fibermesh chopped glass strand reinforcement to 25mm rigid insulation board on 1200 gauge Visqueen DPM/ redon berrier on sand-blinded, wellconsolidated grade MOT1 hardcore fill. DPM to be continuous with vapour barrier behind dry-

Halfround clay ridge tile— Small format blue clay roofing tiles on 38x25 section tanalized softwood battens on 38x38 section counter battens---Kingspen Nilvent or similer approved breathable sarking membrane, lapped a minimum of 150mm over the ridge from each side ---Kingspan Kooltherm K7 pitched roof insulation board above and between rafters, installed strictly in accordance with menufecturer's recommended working details, with all sarkingclips &c. Use two leyers 40mm thick insulation-100x50 grade SC3 collars to alternate rafter pairs. Use proprietary toothed timber connectors to ensure structural coninuity-125x50 grade SC3 refters at 450mm centres— V-jointed t&g matchboard lining to rafters-100x75 grade SC3 wallplate securely tied down to masonry with 38x3 section galvanized mild steel 'Batstraps' at meximum 2.0m centres — 9mm Supelux board cavity closer -Circular section uPVC rain water goods — Gloss-painted marine ply facia-Nominal 150mm random limestone outer leaf to metch existing— 80mm cevity. Use proprietary stainless steel cavity ties at 900mm horizontal and 450mm vertical centres, with extra ties around 50mm Kingspan rigid insulation board held back against inner leaf with proprietary insulation 100mm Forticrete or similer approved DCM block 709 Two-coat plaster finish — Welded vinyl sheet floor covering on latex levelling screed -100mm grade C35 concrete floor slab, incorporating Fibermesh chopped glass strand reinforcement -1200 gauge Visqueen DPM/ radon barrier, continuous with well DPCs ---25mm rigid polystyrene insulation, returned up eround perimeter of sleb --Sand-blinded, well-consolidated grade MDT1 Hyload pitch polymer DPC, continuous with slab DPM — Weepholes at 900m centres ---Lean mix concrete fill to cavity— Excevate down to firm bearing stratum. Infill to 900mm below FGL with leen mix concrete. Above 900mm below FGL, use grade C15 concrete to form trench fill footing, nominal 600mm width —

Section B-B (1:20)

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Client

Buxton Civic Association Ltd.

Job Title

Alterations to Poole's Cavern, Green Lane, Buxton, Derbyshire

Drawing Title

Conversion of Shop to Learning Area Sections A-A and B-B

Scale

1:20

Job No **0613**

Drawing No Rev.

Section A-A (1:20)

lining. Insulation to be continued up perimeter

of slab as shown ----