

Proposed Rear Extension, Store and Roof Verandah at Medina, Cheddleton Heath Road, Cheddleton, Staffs. Scale 1-50 + 1:100 Dwg MCHR 1b proposals Jan 2017

*External floor finish laid to 1:60 falls with rainwater discharge through impervious duct fully sealed to roof space and discharging over Code 4 lead cover flash and soaker to external gutter as main roof,

Examine existing roof frame closely to verify purlin positions shown on plan. Ensure adequate support to

structural roof members during and after construction works. Prepare existing kitchen addition and detached sectional garage at rear for demolition and plan extension programme to ensure minimum disturbance and exposure to rear living space, remove all rubble from site to

Examine and expose as necessary existing drainage lines and inverts etc to assess location.

Selected concrete brick / block with high quality waterproofed render finish to match existing, min 100mm cavity enclosing Dritherm 32 insulation fill to manufacturer specification and internal leaf of 100mm load bearing thermal blockwork (egg: Celcon Solar) faced internally with plasterboard on treated battens or

Cavity walls to be closed at periphery with Thermabate or similar approved cavity closures to avoid cald

This or similar construction to achieve max 0,28 w/m2 k U-Value "Note: new walling to be effectively bonded to existing structure to satisfaction of inspecting authority surveyor and wall ties to be stainless steel suitable for 100mm cavity width and compliant with DD140. *Install catnic or similar lintels over openings to manufacturer spec, ensuring min 150mm end bearings,

100x47 sw timber stud faced on 100x75mm sole plate and dpc faced with plasterboard incorporating vapour

Construct timber frame off 100x75mm sole plate bolted to top flanges (M16 bolts at 600mm ctrs) of Beams A shown - externally faced to verandah with v-joint lapped upvc cladding to match tile colour on treated 25mm sw battens on to breathable membrane over 18mm external ply cladding to 100x50mm sw stud frame (studs at max 400mm centres) enclosing Celatex GA 4000 (60mm) insulation board to manufacturer specification maintaining minimum 40mm cavity and internal lining of 18mm plywood to receive Celotex PL4000 (37.5mm) insulation board incorporating 12.5mm plasterboard laminate and vapour control layer to internal roof face (ensure vapour sealant to all joints and edges as required,

*Tiled roof finish to terminate at head of wall frame with mono-pitch ridge tile fixed robustly to manufacturer specification and suitably flashed if required with Code 4 lead work. Similarly sloping tile ends to be secured and trimmed with dry verge end capping to manufacturer specification.

Flat roof and verandah floor joists to be onchored to supporting frame with galvanised ms straps at 800mm

Selected plain tiles to match existing (strip existing tiles for re-use if fit for purpose on treated battens on approved breathable membrane over 170x47mm sw C16 rafters at 400mm centres birds-mouthed and screwed through truss type steel clips to continuous 100x75mm sw wall plate anchored to supporting wall by

100x47mm sw C16 ceiling ties at 400mm centres bolted to rafters using M16 bolts and dag tooth connector washers and supported off galv ms joist hangers from pole plate secured to timber frame. 225x47 hip members securely anchored at head to verandah wall panel frame and with 100x75mm dragon tie cross brace at base firmly strapped to supporting wall with galvanised ms anchor straps, * NOTE Pitched ceilings to have Celotex FR5000 (120mm) insulation board between rafters ensuring min

plasterboard incorporating vapour check membrane all to manufacturer specification, Note: This or similar construction to achieve max 0,18 w/m2k U-Value,

Approved single ply membrane by specialist contractor on min 18mm ext ply deck laid to fall 1:60 across 170 x47mm sw C16 joists at 400mm max centres with Celatex FR5000 (120mm) insulation between joists allowing for min 50mm clear cross ventilation under deck linked to continuous 20mm air gap at soffit fitted with fly screen., Under draw ceiling with Celatex & 05040 (52.5mm) insulation incorporating 12.5mm plasterboard Joists to be anchored to supporting walls with galv ms straps at 800mm max centres,

*Note ensure that roof membrane is carried behind existing tiles to ridge line minimum 300mm on rigid ply

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