Complimentary hogs back ridge tile to match adjacent bedded in lime mortar

Ridge beam and fixings in accordance with structural engineers details (3no. 195 x 45mm C24). Setting out to be as high in rafter zone as possible. Final position tba on site.

New Pitched Clay Pantile Roof

Setting out of 45° degree pitch to be carefully set on site. Equal wall plate heights with differing rafter arrangment to each eaves carfully set out to large scale details.

Install 95 x 45mm C24 softwood rafters at 400mm centers, propped off ashlar walls on to floor bearing in accordance with structural engineers details. 120 x 90 (2no. 120 x 45) C24 principal trusses formed as detailed by structural engineer on line of ground floor internal walls.

Install Proctor Roofshield breather membrane (or similar approved), followed by 25 x 38mm treated timber tiling battens to suit gauge of William Blyth Celtic 'natural red' pantiles.

Between rafters fit 75mm Eco-Versal by EcoTherm partially filling between rafters positioned using 25mm treated timber stop battens. (insulation positioned flush to u/s of rafter).

Below rafters install 52.5mm EcoLiner by 40 + 12.5mm. with taped joints to provide integral VCL Ecoliner finised with skim coat finish.

All materials and products to be installed fully in accordance with manufacturer's instructions. Any which cannot be followed to be reported to Roger Balmer Design at the earliest opportunity.

Principal truss in accordance with structural engineers information TR1. 120 x 90mm principal rafter top surface positioned level with common rafters.

Sussex handmade imperial solid brickwork wall laid in monk bond with DryReadyMix mortar by Anglia Lime Company with flush brushed joints.

12mm painted wpb plywood cut between rafters to close eaves. terminated into plywood to top of sprockets .

Ashlar Walls

95 x 45mm C16 softwood ashlar walls at 400mm cts in accordance with structural engineers details.

Between studwork fit 75mm Eco-Veral by EcoTherm partially filling between studwork positioned using 25mm treated timber stop battens. (insulation positioned flush to inside face). To inside face of wall install 12.5mm Gyprox WallBoard Duplex plasterboard with skim coat finish. All joints taped and sealed to provide VCL.

All materials and products to be installed fully in accordance with manufacturer's instructions. Any which cannot be followed to be reported to Roger Balmer Design at the earliest opportunity.

New Ceiling Construction

Install 120 x 70mm C24 softwood ceiling joists at 300mm centres in accordance with structural engineers details.

B1 flitch beam supporting ashlar walls positioned level to top of floor joists. in accordance with structural engineers information.

Above joists install vapour control layer followed by 18mm moisture resistant tounge and groove chipboard by Durelis or similar approved. Floor finish tba with client.

Between joists install 120mm Celotex XR4000.

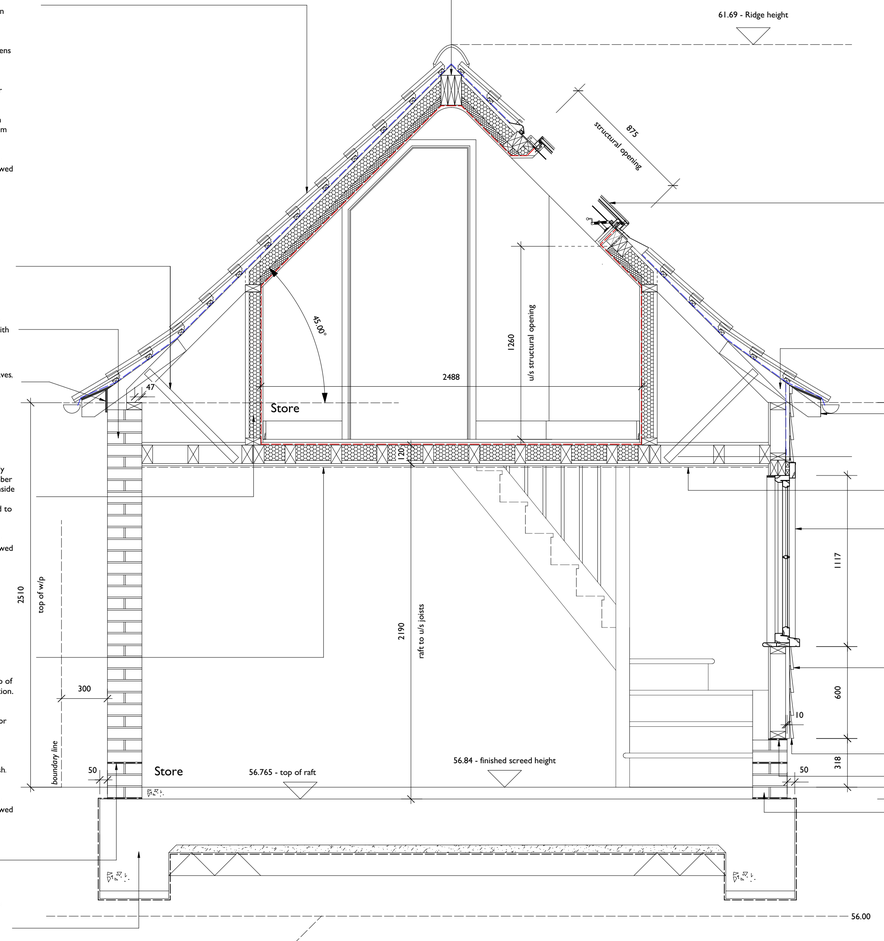
Below joists install 12.5mm plasterboard with skim coat finish. TBC subject to plant specification.

All materials and products to be installed fully in accordance with manufacturer's instructions. Any which cannot be followed to be reported to Roger Balmer Design at the earliest opportunity

DPC position min. 150mm above ground level.

Raft foundation fully in accordance with structural engineers information.

1200g continuous polythene DPM. lapped and sealed at all joints. turned up outside face of raft and wrapped below brickwork. 75mm fibre reinforced screed with Watco floor sealer or similar finish.



Section AA - 1:20

CR08-2 Conservation Rooflight by The Rooflight Company - on the rafter. Installed fully in accordance with manufactures details with lead flashing. Plaster board reveal details tbc on site. Horizontal top and vertical bottom reveal. Rooflight trimmers in accordance with structural engineers information.

95 x 45mm C16 treated painted timber sprockets as detailed. Fixings in accordance with structural engineers details.

Refer to large scale eaves details.

TR1 bottom chord as detailed dby structural engineer line of internal wall and concealed by wall lining.

Purpose made joinery as detailed. u/s cill to align with boarding line. Setting out of boarding confirmed before setting of window height.

New Timber Frame

Install 95 x 45mm C16 softwood studwork at 400mm centres. Externally fix Proctor Frameshield 100 (or similar approved). 25 x 38mm organically treated vertical timber battens and organically treated feather edged painted timber weatherboarding (to match profile and coursing and colour of existing adjacent)

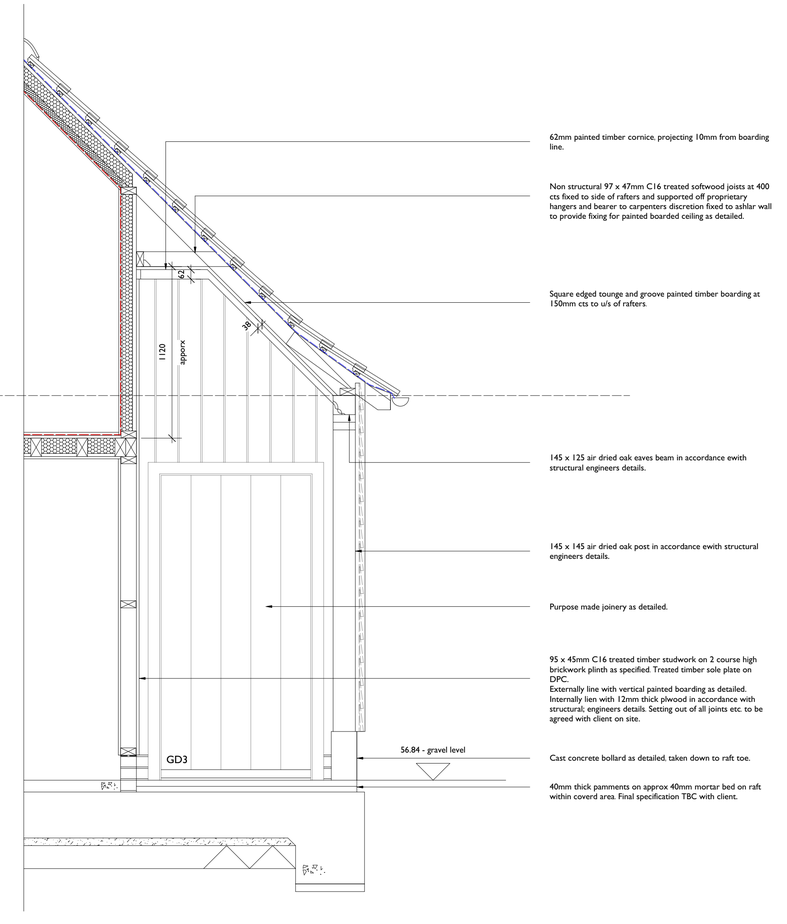
Internally. fix 12mm plywood sheathing fixed in accordance with structural engineers information. Setting out of all joints etc. to be agreed with client on site.

All materials and products to be installed fully in accordance with manufactures instructions. Any which cannot be followed to be reported to Roger Balmer Design at the earliest opportunity

Proprietary stainless steel insect mesh to underside of battens.

Treated timber sole plate on DPC set 10mm back from front face of brickwork plinth

Sussex handmade imperial solid brickwork plinth laid in monk bond with DryReadyMix mortar by Anglia Lime Company with flush brushed joints.



Section BB - 1:20

62mm painted timber cornice. projecting 10mm from boarding line.

Non structural 97 x 47mm C16 treated softwood joists at 400 cts fixed to side of rafters and supported off proprietary hangers and bearer to carpenters discretion fixed to ashlar wall to provide fixing for painted boarded ceiling as detailed.

Square edged tounge and groove painted timber boarding at 150mm cts to u/s of rafters.

145 x 125 air dried oak eaves beam in accordance ewith structural engineers details.

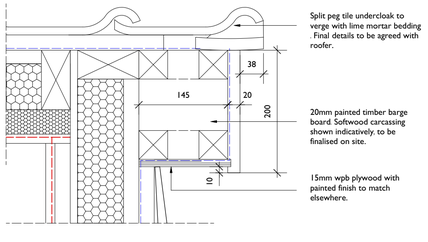
145 x 145 air dried oak post in accordance ewith structural engineers details.

Purpose made joinery as detailed.

95 x 45mm C16 treated timber studwork on 2 course high brickwork plinth as specified. Treated timber sole plate on DPC.
Externally line with vertical painted boarding as detailed.
Internally lien with 12mm thick plwood in accordance with structural engineers details. Setting out of all joints etc. to be agreed with client on site.

Cast concrete bollard as detailed. taken down to raft toe.

40mm thick pamments on approx 40mm mortar bed on raft within coverd area. Final specification TBC with client.

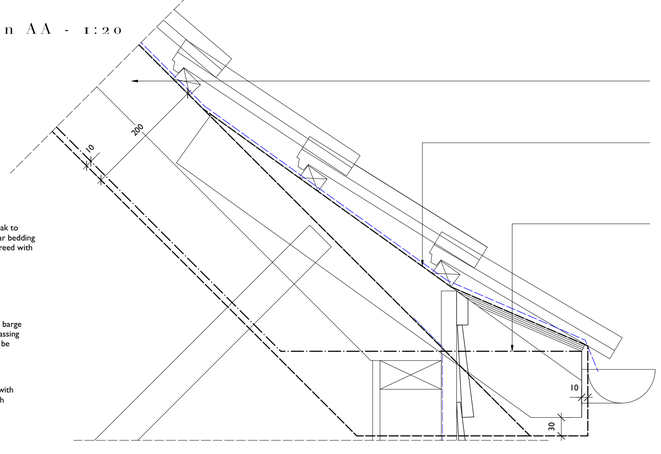


Split peg tile undercloak to verge with lime mortar bedding . Final details to be agreed with roofer.

20mm painted timber barge board. Softwood carcassing shown indicatively. to be finalised on site.

15mm wpb plywood with painted finish to match elsewhere.

Verge Detail - 1:5

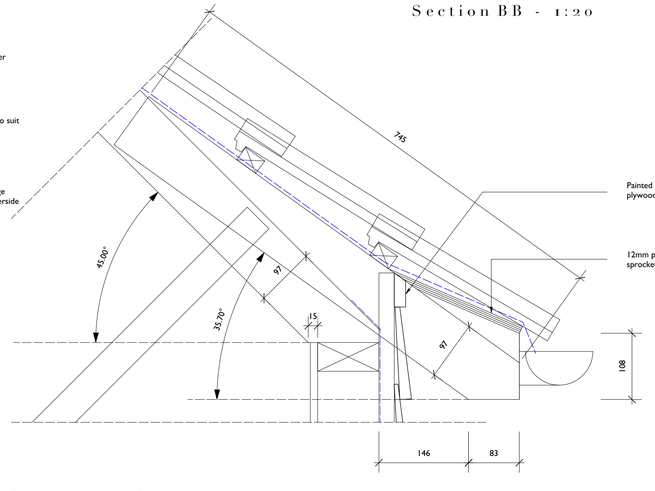


20 x 200mm painted timber barge board

Sprocket to top of barge to suit roof kick as detailed.

Painted wbp plywood barge soffit terminated into underside of plywood over rafters at eaves.

Barge Detail - 1:5



Painted timber scribing piece to underside of plywood over rafters.

12mm painted wbp plywood to top of sprocket. Colour to match sprocket.

Eaves Detail - 1:5

0 0.25 0.5 0.75 1 1.5 2 Metres

DRAFT

This drawing to be read strictly in accordance with the General Notes and Residual Risk to Health and Safety Information on drawing no. 1121-11

ROGER BALMER

DESIGN

FOUNTAIN HOUSE STUDIO THE STREET EAST BERGHOLT COLCHESTER CO7 6TB

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Client	Project	Drawing
Mr and Mrs Duckworth-Chad	Sparrows Shelley Suffolk	Outbuilding Sections and Large Scale Details

Scale	Date	Del.	Drawing no.	Rev.
As noted at A1	July 2022	BOC	1121 - 12	

Contractors must verify all dimensions and information on site prior to commencement of work. Do not scale from drawing.