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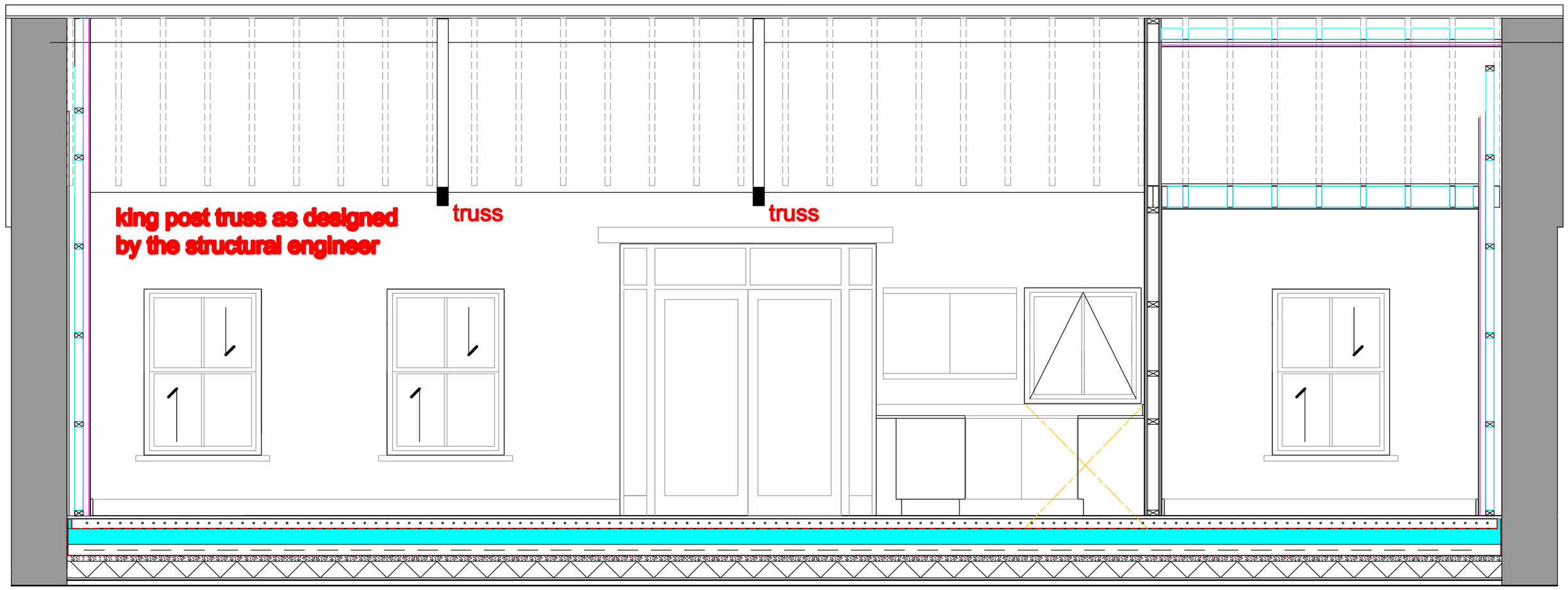
revision	date	modifications
A	6 May 2022	pitched roof insulation specified
B	1 July 2022	2 No king post trusses added

remove the ceiling joists and
replace them with 2 No king post
trusses and two rows of purlins

94 x 219 C24 structural ridge beam
see structural engineer's calcs



SECTION DD

internal of existing stonework walls to have the masonry repairs carried out as required
apply backing coat of render to the walls 6:1:1 sand:cement:lime with waterproof anti saline additive to be average 25mm thick and rubbed up with smooth wooden float

50mm ventilation gap
internal studwork lining with 75 x 47mm treated timber studwork with studs at 400mm centres, noggins at 800mm centres, headplate and sole plate infill with 75mm Rockwool RW2 semi rigid slabs or similar approved (NOT POLYSTYRENE)

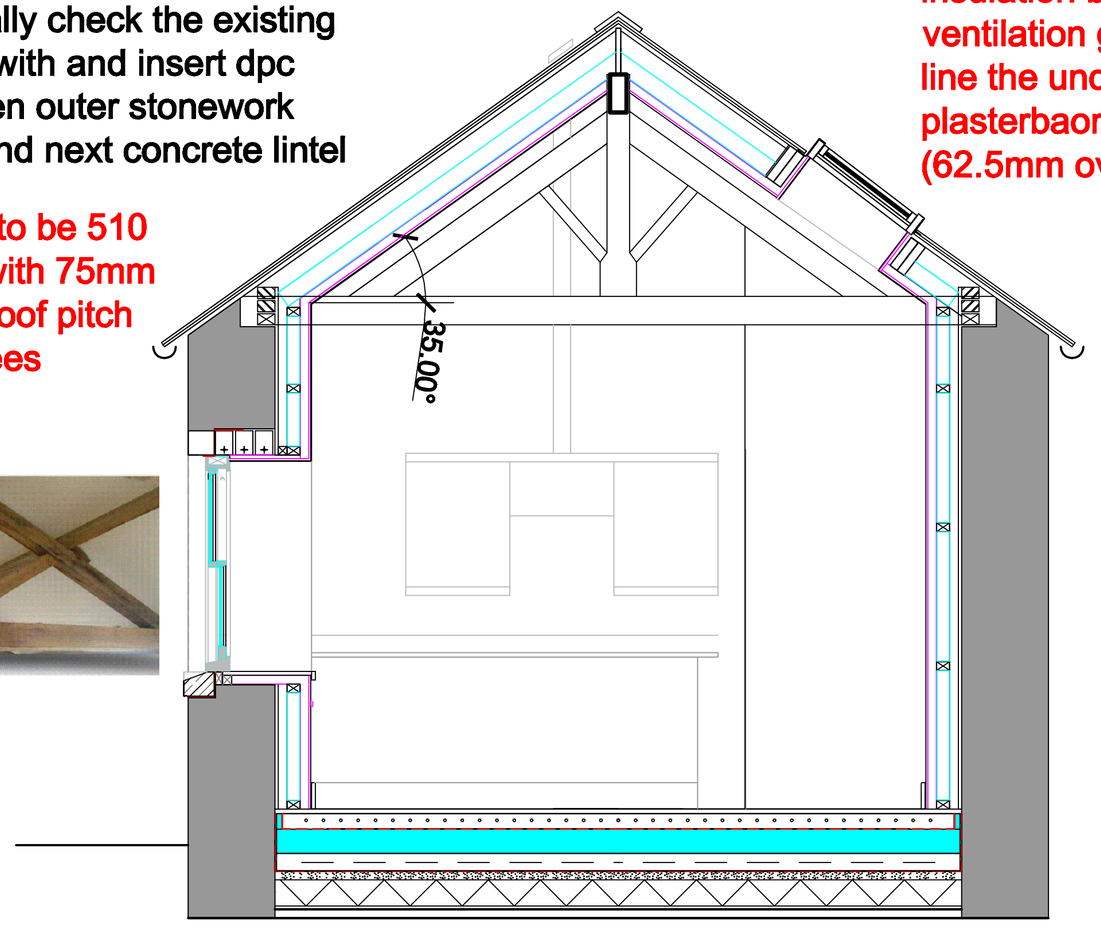
line the face of the studwork work lining with 50mm foam backed plasterboard and finish plaster skim (overall 62.5mm thick plus skim)

include insulated window and door reveals with 20mm foam backed plasterboard and finish plaster skim (overall 32.5mm thick plus skim)
stainless steel angle beads

build up the stonework to form window opening
100mm cavity with 50mm partial fill insulation
two leaves of 100mm blockwork to line through with inner face of stonework

generally check the existing lintels with and insert dpc between outer stonework lintel and next concrete lintel

roof slates to be 510 x 255mm with 75mm lap to suit roof pitch of 35 degrees



SECTION AA

area above bedroom to be floored with the existing 200 x 50mm joists at 400mm centres with noggins at 800mm centres and to the perimeter
line with 22mm flooring grade water proof chipboard
trim out for the loft ladder with double joists and double noggins screwed together
pack 200mm Rockwool RW2 insulation between the joists
line the underside with 12.5mm plasterboard and skim

100 x 75mm timber wall plate strapped down with 1200mm long galvanised Batstraps at 1200mm centres with minimum 4 No screw fixings into the blockwork

100mm Rockwool RW2 semi rigid slabs insulation between rafters with 50mm ventilation gap above
line the underside with 50mm foam backed plasterbaord and finish plaster skim (62.5mm overall)

floor finish to be agreed with client
85mm fine concrete screed with smooth float finish incorporating underfloor heating pipework
1200 gauge vapour barrier
140mm flooring grade insulation
30mm upstand to the edges over sub base of 100mm concrete base slab with mesh reinforcement
1200 gauge dpm upturned at the edges on 50mm sand blinding on 150mm compacted hardcore

building regulations drawing **21/875/13**

client	property	drawing
Mr and Mrs Wigham	Woodhouse Farm Lambley Northumberland NE49 0NX	barn sections as proposed
date	proposals	scale
January 2022	barn conversion	1:25 at A1

drawn Christopher Reed B.A. (Honours) drawing revision B

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