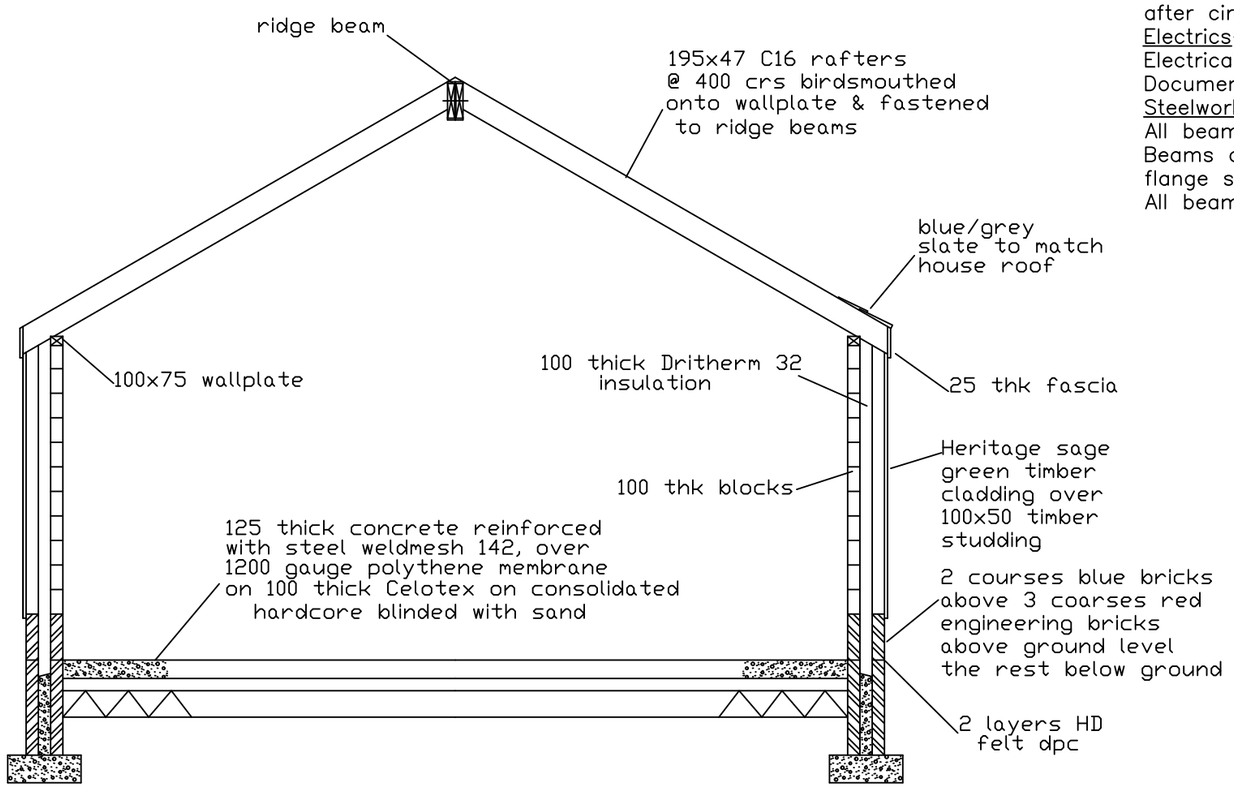
NOTES

Foundations– 225 thk concrete strip footings with 150 spread either side of walls min. 1m deep to give a stable foundation on a suitable load bearing strata, to the satisfaction of the building Inspector.
D.P.C.– HD felt over engineering bricks min 150 above ground level.
Floor– Min 125 concrete reinforced with 142 weldmesh on 100 thk Celotex on 1200 gauge polythene membrane taken into inner dpc all on consolidated hardcore blinded with sand.
Walls– From footings up to five courses above ground level to be engineering bricks,
Inner skin of walls above engineering bricks to be 100 thk thermal blocks min 0.11W/m2K K value. Outer skin to be Heritage sage green T&G timber cladding on 100x50 timber studding, 100 thick Dritherm 32 in cavity.
Inner and outer skins of lower cavity wall to be tied together with SS wall ties @ 750 crs horizontal and 450 crs vertical, staggered & 300 crs vertical at reveals.
Proprietary cavity closers at openings
100x100 timber lintels over door openings minimum bearing 100 at ends.
Roof– Blue/grey slate on 30x25 treated laths on reinforced roofing felt on 195x47 C16 rafters @ 400 crs, doubled up alongside Velux windows, birdsmouthed onto wallplate secured to walls by 30x5 galv. steel anchors @ 1800 crs, & fastened to timbers bolted thro' steel ridge beams.
Drainage– Rainwater to run into black cast guttering & downpipes & into drainage ditch & into an underground pipe joining the drainage for the cow shed at the bottom of the lane, after circa 10m it empties into a natiural ditch which terminates at a natural stream
Electrics– New lighting & power to be to clients requirements using energy efficient fittings. Electrical work will be carried out by a competent Electrician and will comply with Approved Document P, a Test Certificate will be supplied on completion of works.
Steelwork– Steel ridge beams welded or bolted together with joint midway on the wall.
All beams to have min. bearing 100 at ends on three courses blue brick padstone.
Beams over door openoings to have 5 thick x 290mm wide steel plate welded under bottom flange set in 6mm from edge 5mm stitch welded all round, to support outer skin.
All beams Grade S275 steel UOS. Also see calcs.



Section A–A

Scale :- 1=50 0 1 2 3 m

A3

PROPOSED HAY BARN & STABLE BUILDING	FOR MR R. HALLAM 17 BOOTHGATE, HEAGE, BELPER, DERBYS. DE56 2BP.	Plan No.- SC 1221.494 Steve Charlton. 0115 9171911

SHEET 2 of 5

11/04/22