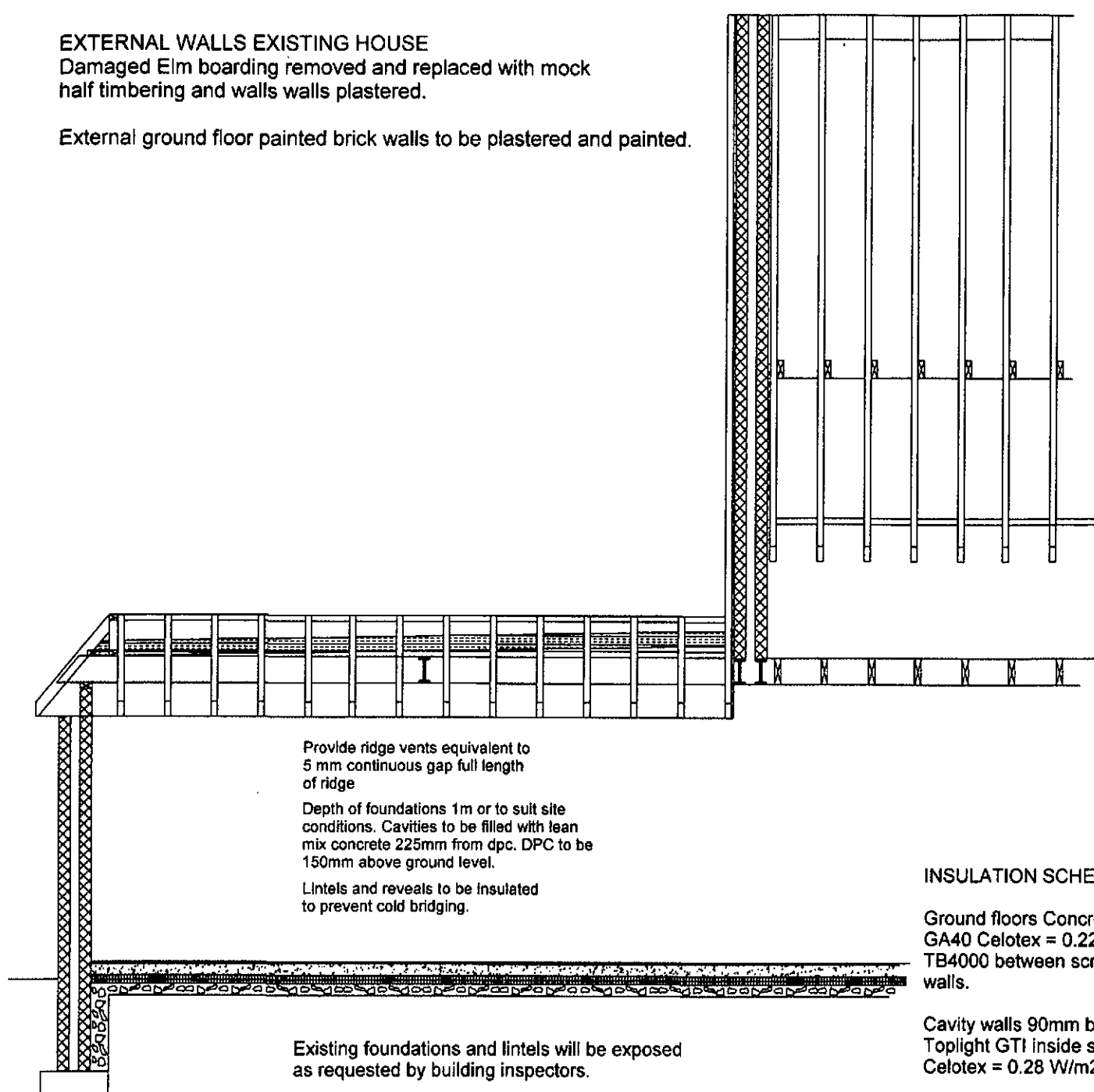


EXTERNAL WALLS EXISTING HOUSE
 Damaged Elm boarding removed and replaced with mock half timbering and walls plastered.

External ground floor painted brick walls to be plastered and painted.



SECTION A - A

ROOF Building Regulation A1/A2 and TRADA technology.
 Concrete or clay tiles on wooden battens on reinforced roofing felt to BS747 on 50 x 150mm rafters on 50 x 100mm wall plates, hold down straps every 2m run to wall plates and rafters/gables. 150mm fibreglass laid between joist with 100mm laid across joist. Continuous ventilation strip 25mm wide to all soffits. Forward calculations to Local Authority.

Provide ridge vents equivalent to 5 mm continuous gap full length of ridge

Provide ridge vents equivalent to 5 mm continuous gap full length of ridge
 Depth of foundations 1m or to suit site conditions. Cavities to be filled with lean mix concrete 225mm from dpc. DPC to be 150mm above ground level.
 Lintels and reveals to be insulated to prevent cold bridging.

Existing foundations and lintels will be exposed as requested by building inspectors.

INSULATION SCHEDULE

Ground floors Concrete slab P/A = .3 = 55mm GA40 Celotex = 0.22 W/m2K, Celotex Tbreak TB4000 between screed/concrete and outside walls.

Cavity walls 90mm brick outside skin 100mm Toplight GT1 inside skin 45mm CW4045 Celotex = 0.28 W/m2K.

Single brick external walls
 3 coats Synthaproof to inside face plus 60mm GA4060 Celotex finished with one Layer plasterboard

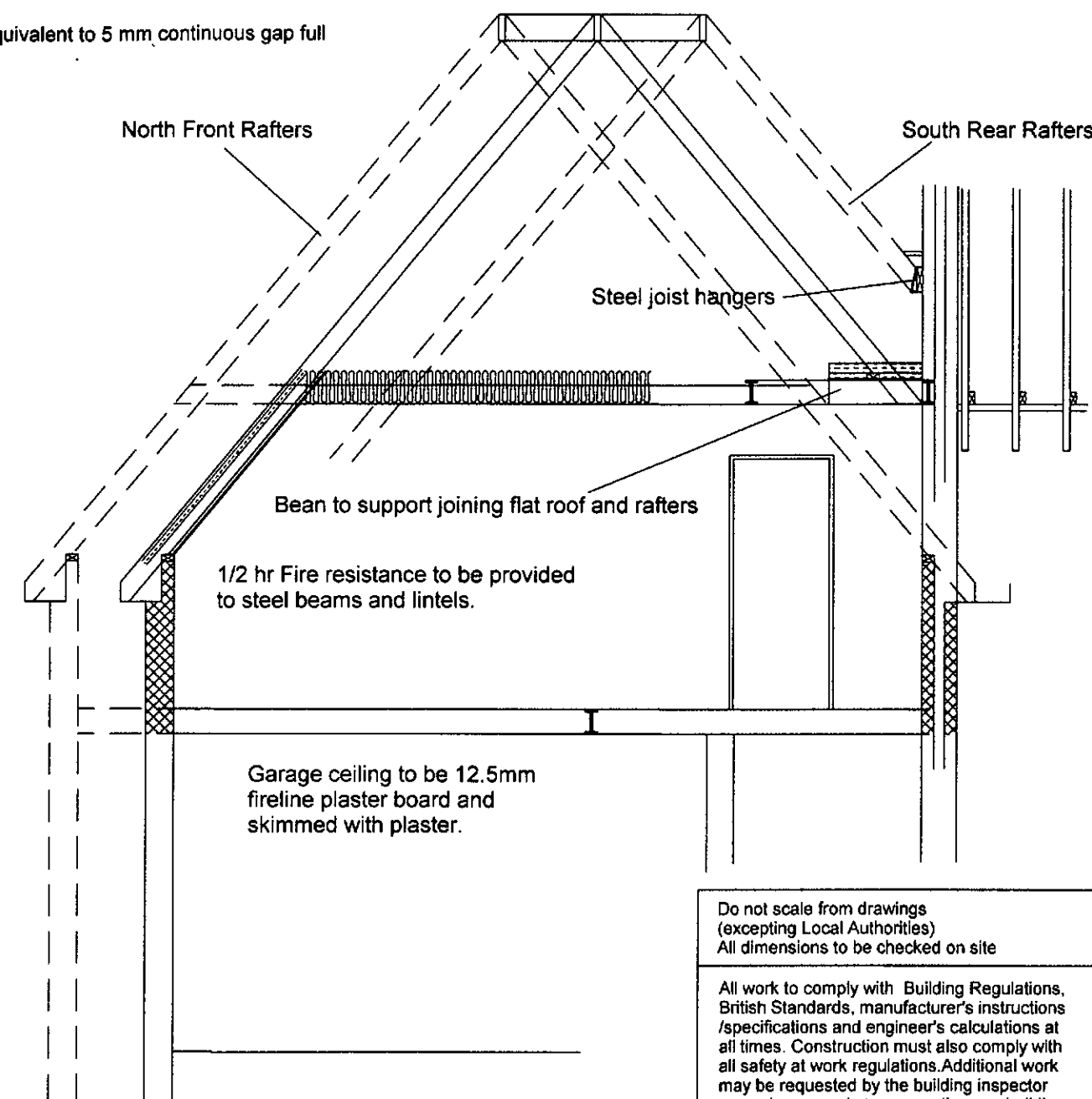
Windows to achieve 'U' value of 1.6 W/m2K.
 Doors to achieve 'U' value of 1.8 W/m2K.

Pitched roof ceilings 100mm GA4100 Celotex between rafters with 50mm gap between breather Membrane and insulation plus 35mm GA4035 Celotex underside of rafter = .18 W/m2K.

Roof space insulation 150mm fibreglass laid between joist and 100mm over joist. 25mm continuous ventilation or equivalent to all soffits continued into roof space.

Flat roof insulation 125mm TD4125 Celotex on top of joist = 0.19 W/m2K.

Ceiling level to achieve 'U' value of 0.16 W/m2K.



North Front Rafters

South Rear Rafters

Steel joist hangers

Beam to support joining flat roof and rafters

1/2 hr Fire resistance to be provided to steel beams and lintels.

Garage ceiling to be 12.5mm fireline plaster board and skimmed with plaster.

SECTION B - B

Do not scale from drawings (excepting Local Authorities)
 All dimensions to be checked on site

All work to comply with Building Regulations, British Standards, manufacturer's instructions /specifications and engineer's calculations at all times. Construction must also comply with all safety at work regulations. Additional work may be requested by the building inspector as work proceeds to ensure the new building complies with all building regulations.

No	Change	Date	Init

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 PO21 4ES

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Drawing 8 / 8

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