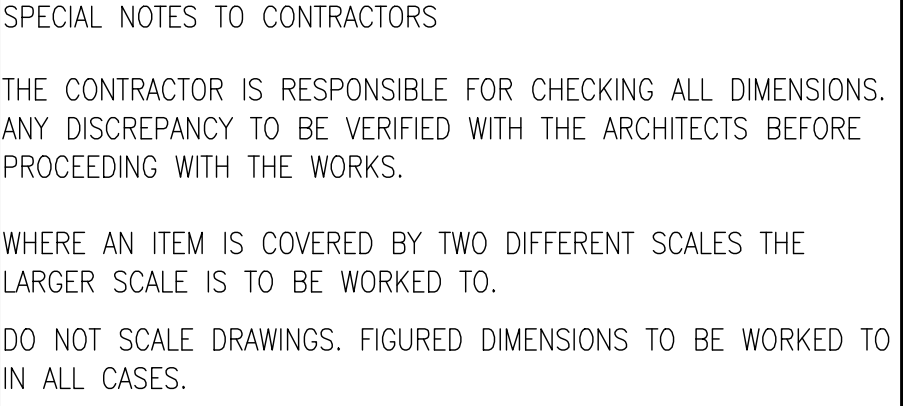
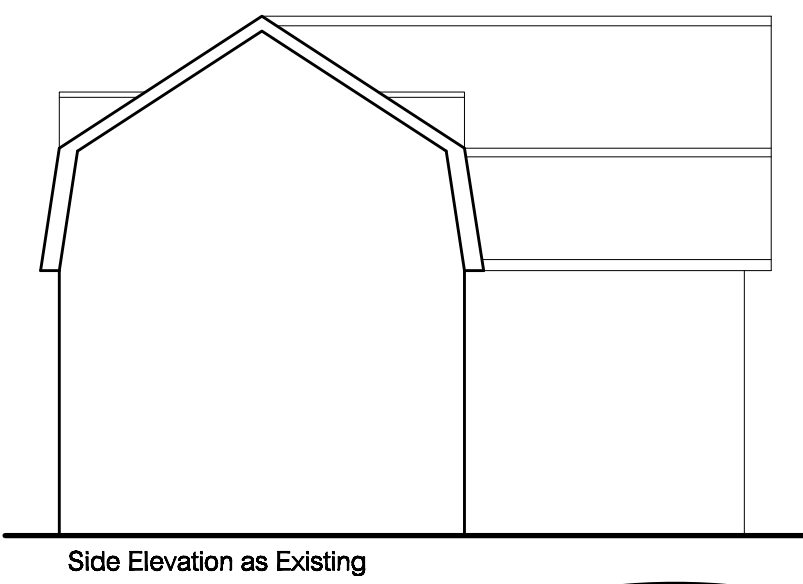


[illegible]

FOUNDATIONS
To all new wall constructions/new foundations 1:
external C35/20 grade concrete to give 300mm
28 days strength
To all new wall construction with 150mm over
existing wall of supported wall
Minimum bearing depth to be 300mm below level
of ground level on suitable sub-grade
Where there is within 1000mm of wall ensure
foundations to be minimum 250mm lower than
existing wall
A193 mesh to be inserted to bottom flange
40mm cover to steel if necessary
All designed on assumed base V or better
conditions as laid out in Appendix
Compliance with Table 12

EXTERNAL WALLS
To be 300mm thick overall c/c
100mm Thick Brickwork
100mm Thick GRCOF5000 insulator
Insulation batts fixed back to
100mm Blocks inner leaf
100mm Blocks outer leaf

DRAIN/WATER GUTTERS AND PIPES
All gutters and downpipes
To be 100mm minimum
168mm minimum
1mm maximum
To be recommended
to gut guard

BS 1243 : 1975
Spacing to be 900mm horizontally and staggered 450mm
vertically - covers up to 75mm and 500mm
for cavities 76mm - 100mm
Unstayed joints less than more than 300mm apart
vertically and within 225mm from the sides of openings
All dimensions halved at bonded reverts
Barn A - Blockwork linting to be tied to existing walls
at Centre Stronghold Wall Tie System 900mm maximum
centre to centre

GROUND FLOOR
New floor to comprise:
10mm finishing screed on
100mm C35/20 M16 concrete slab
Quogon Kooltherm HWS insulation on Vapour 1200 Super
100mm C35/20 M16 concrete slab
10mm screed on 100mm sand
(unconsolidated type 1 MOT Roadstone (Dolomite or similar)
1mm thick Kingspan Kooltherm K perimeter insulation
insulation and walls (isolation strip)

ACTUAL RESTRAINT
Fixed steel restraint straps to be provided at
every 2000mm centres to anchor all wall plates and
pipes to tie in gable ends
Straps to gable ends shall extend over
the roofline
Blockwork inner leaf with

WALL TIES
To be stainless steel to BS 1449 and should comply with BS 1243 : 1978
Spacing to be 900mm horizontally and staggered 450mm vertically - cavities up to 75mm and 750mm horizontally for cavities 76mm - 100mm
Unbonded jamb ties spaced not more than 300mm apart vertically and within 225mm from the sides of openings
All dimensions halved at bonded reveals
Barn A - blockwork lining to be tied to existing walls with Catnic Stronghold Wall Tie System at 900mm maximum centres

ROOF COVERING
Roof to be covered with tiles to match existing accordance with good practice or manufacturer's recommendations and specification
Bottens to be tanolised 38 x 25mm fixed at gauge to suit tiles (but not to exceed 100mm) and in accordance with BS 5534, Part 1
Underlay to be Monarol 250 reinforced polythene or Felex reinforced slaters and tiles underlayment by Langley London Limited, laid with minimum 150mm laps and fixed with galvanised steel clout nails. Sarking to be run into guttering at eaves and over ridge boards at ridge in

CAVITIES
To all new wall construction – external cavities to be ventilated below DPC with Type W Cavity Weep/Ventilators by Cavity Trays every 4th perpend

LINTELS (External)
All linteals to be from the Birtley Supergalv range
External linteals to be type CB90 (Code A-J) to suit opening widths), to all existing walls, to be provided over all doors and windows with cavity insulation in web of lintel
All linteals to have minimum 150mm bearing at each end and cavity trays over linteals with top ends. Weep ventilators every 4th perpend. CB90 linteals to all new walls.

Calculations for the steelwork to be submitted and approved by the Local Authority before work commences

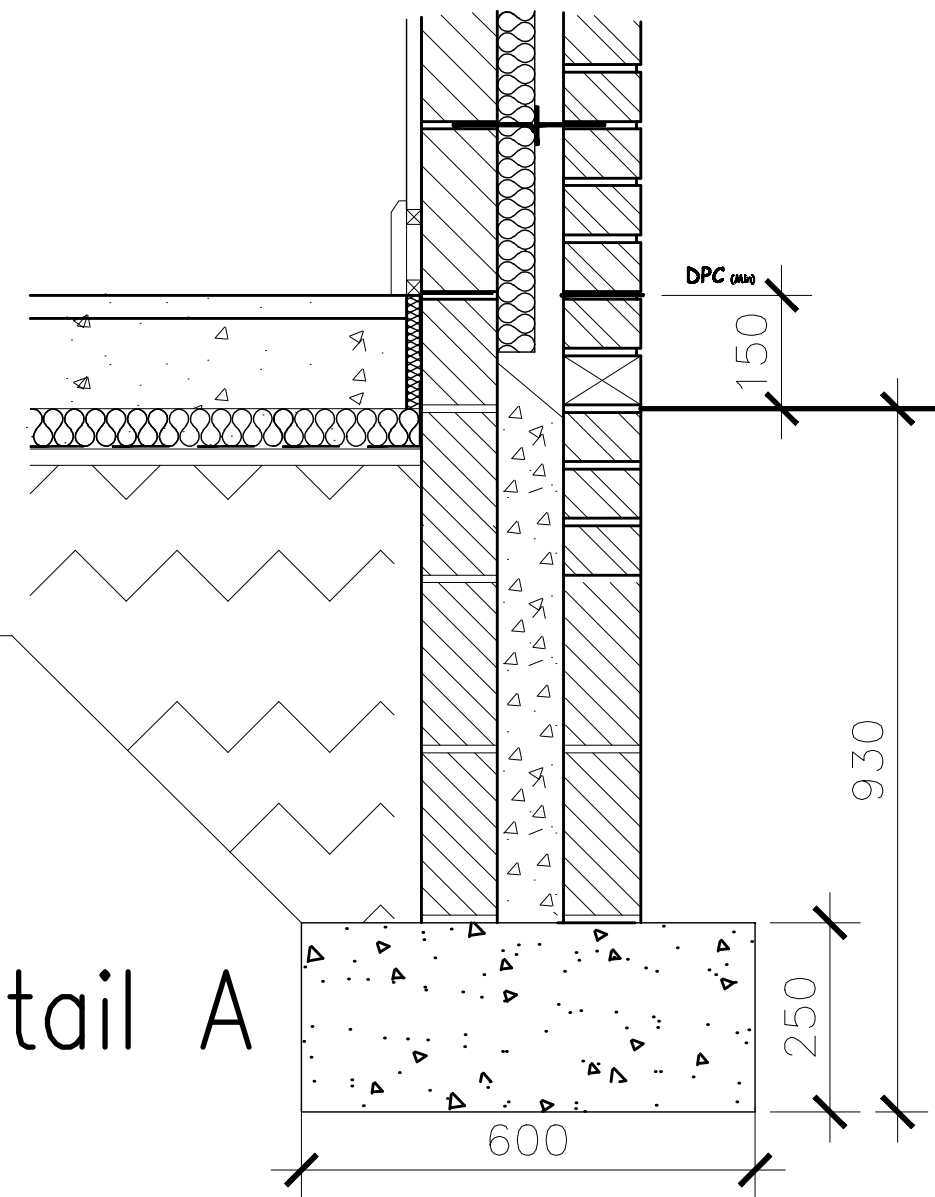
GENERAL NOTES
Contractor to be responsible for all negotiations with
Statutory Authorities regarding new or amended supplies or
connections
Electrical Installation to be in full accordance with the
latest 16th Edition of the IEE Wiring Regulations. All
fittings from the MK Logic Range

VENTILATION
General ventilation to all habitable rooms is to be provided by opening lights to windows.
Opening area to give a minimum 1/20th of floor area to room.

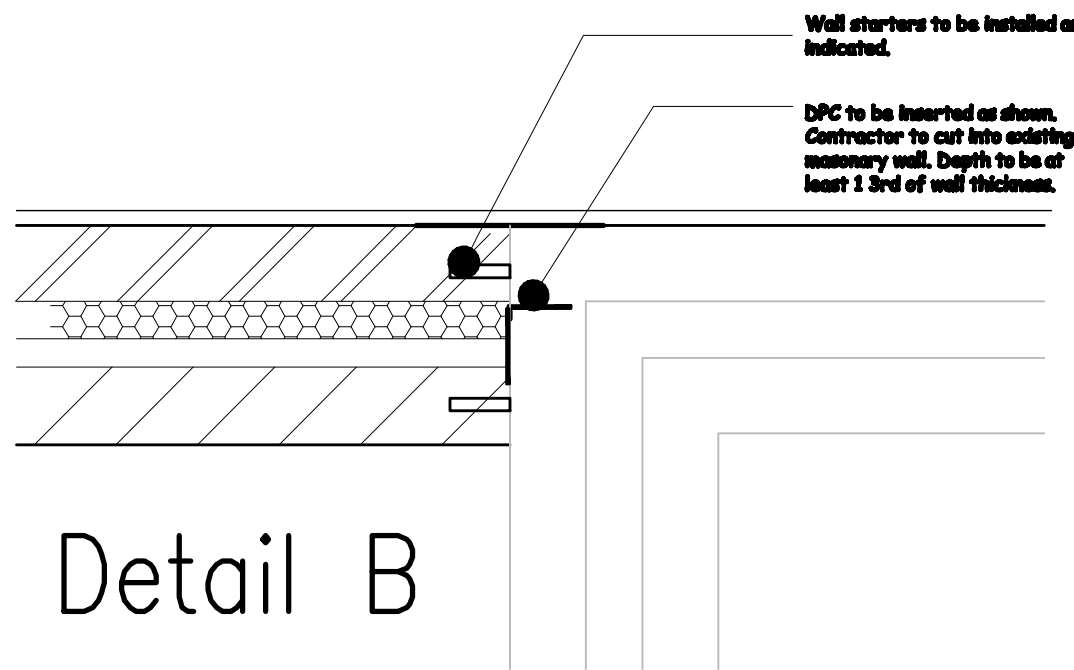
CAVITY CLOSING
To all new cavity wall construction – cavities to be closed at all reveals, eills and jambs with Damcor insulated vertical DPC or Dacotie TF81/75 (75mm cavity) UPVC cavity closer and DPC
All opening heads to have cavity closed by insulated lintels with stepped DPC's over

BELOW GROUND
Engineering Grade B bricks or Thermalite 275mm or
Thermalite 305mm thick trenchblocks
Cavity to be filled up to 150mm below wall DPC with lean
mix no fines concrete

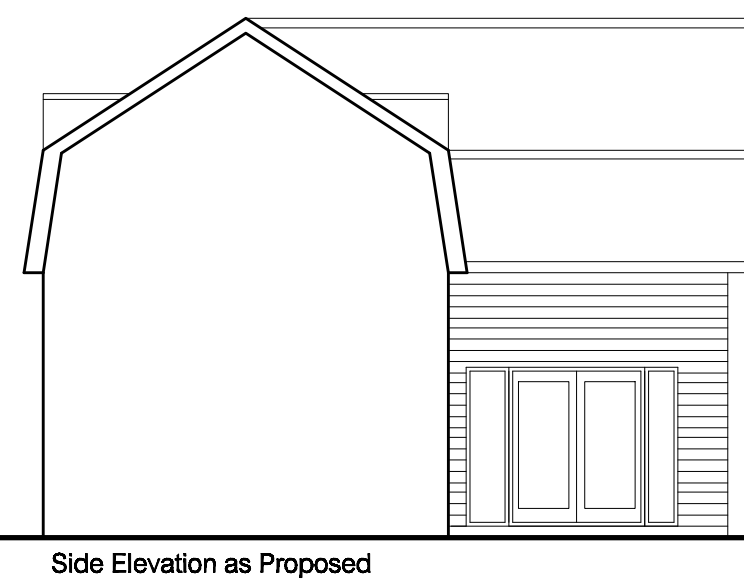
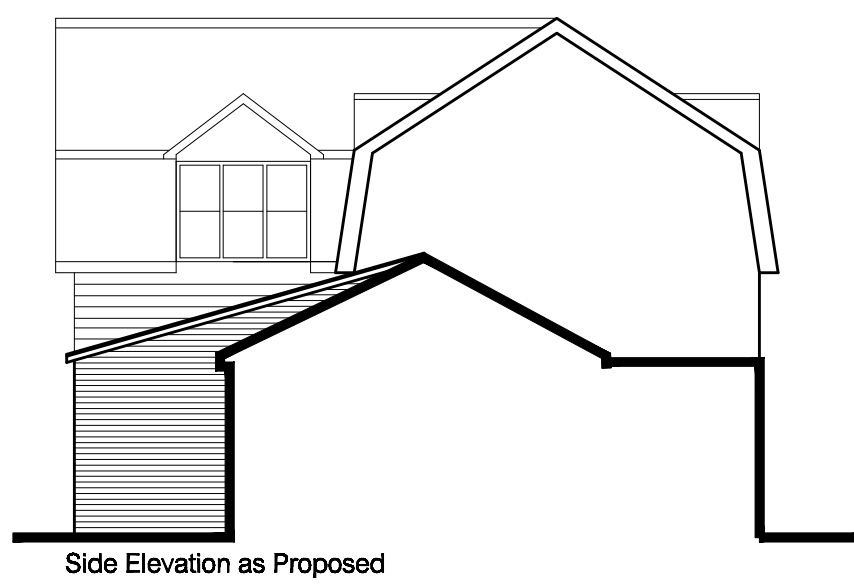
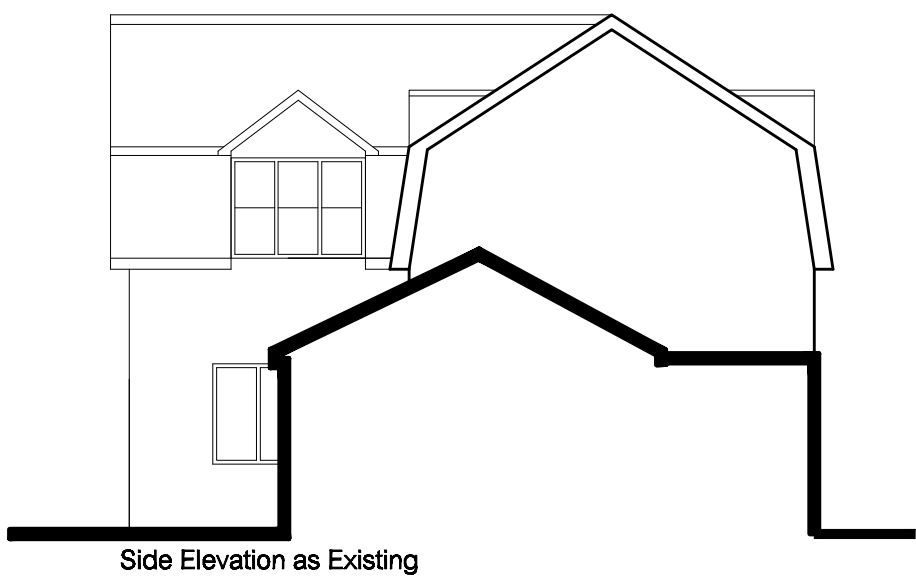
JUNCTION OF NEW AND EXISTING WALLS
Catic Stronghold Wall Connector System to be used at junction of new and existing walls and installed in accordance with manufacturer's recommendations. Mortar pointing to junction and polysulphide mastic externally



Detail A



Detail B



**Bold line denotes
amended extended wall.
Extension to be reduced
by 325mm.**

Wall line reduced by 325mm.

Contractor to confirm new roof pitch angle in situ at wallplate level. Wallplate to be lowered to 2300mm if required to achieve min tile pitch of 15°.

Code 4 Lead Flashing

9.5mm
Plasterboard

47mm x 195mm C16 Grade
Rafters at 400mm c/s.

100x50mm Wallplate
mechanically fixed
to masonry at
400mm centres

Provide mineral wool board to completely close the cavity.

Provide sealant to front and back of frame / cills.

Wall starters to be installed as indicated.

DPC to be inserted as shown. Contractor to cut into existing masonry wall. Depth to be at least 1/3rd of wall thickness.

Hardcore
0mm Sand blinding
DPM
50mm Insulation
100mm Concrete slab
10mm Finishing screed

Provide proprietary cavity closer with a minimum thermal resistance of 0.45m2K/W

Install 17mm Celotex Double R

- Provide sealant to front and back of frame / cills.

Lean mix Concrete

Detail A

Kitchen  Hall

Lobby

Section A-A

REV.	DATE	DESCRIPTION
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**Proposed Extension at no 23
Church Lane for
Mrs Wass
PLANS AND ELEVATIONS AS
EXISTING AND PROPOSED
WORKING DRAWING**

SCALE 1:100 1:20	DATE 19.12.17
DRAWN J.B	
REF.	
DRAWING NO. 2017/0079/0001	REV.