

hot water to be wholesome as Part G thermostatic valves to ensure temperature does not exceed 48 degrees, all radiators to have TRV's.

external wall to be 100 facing brick outer skin. 100 cavity filled with Driftherm 32 Ultimate.  
100 blockwork inner skin value of 0.11 or lower. 12.5 plasterboard. u value of 0.28 w/m2.k max.

foundations to be mass concrete to a min. depth of 1m to BSEN.2006  
01 exact depth to be agreed on site with Building Inspector and to  
suit site conditions in accordance with Building Regulations A1/2  
and BS8004 Code of Practice for Foundations.

concrete interlocking tiles on sw battens on breathable membrane on 50x150 C24  
rafters at 400 crs. double rafters either side of Velux windows.  
rafters strapped to gable walls by 30x5 ms straps at 2000 crs max.

100 Celotex GA4000 between rafters 50 thermalboard to  
underside of rafters.

code 5 lead flashing

existing bedroom window.

bedroom.

bearer bolted to brickwork.

Velux window.

1.4 w/m2.k.

50 Thermal board to u/side of rafters

insulation between roof/wall to be  
continuous.

steel beams to be encased in 2 layer plasterboard and  
skim to give 0.5hr fire protection.

steel beam to structural engineers details.

half round gutter.

17.5 degrees.

restraint type joist hangers to be used.

surfacewater to discharge to  
soakaway min.5500 from building.

heavy duty Catnic lintel.

3000

wall plate strapped to inner skin by 30x5 ms. straps  
at 2000 crs max.

insulated cavity closers at reveals.

door to comply with Part K glazing

all electrical work to comply with Part P (electrical safety) to be designed installed  
and tested by a competent person. copy of BS7671 electrical installation certificate given  
to Building Control on completion.  
mains operated smoke alarm to BS EN14604 /BS 5838-6-2004.

double glazed bi fold doors.  
u value 1.4 w/m2.k.

extent of existing ground floor.

dining area.

living area.

heating and electrics to suit client.

75 sand and cement screed with anti crack reinforcement on seperating membrane  
on 100 Celotex GA 4000 insulation on 200 gauge polythene dpm on 100 oversite  
concrete on min.150 consolidated hardcore.

cavity filled with lean mix up to 225  
below lowest dpc.

dpc minimum 150 above  
ground level.

2 skins of brickwork up to dpc level.

floor level to match existing.

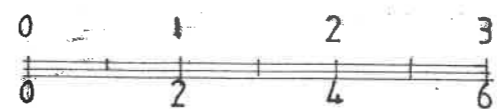
proposed dpc/dpm to link with existing.

ALL ELEMENTS OF STRUCTURE TO BE ASSESSED ON SITE  
AND STRENGTHED OR UNDERPINNED AS REQUIRED.

foundations to be within ownership.

Scale 1:50

Scale 1:100



Proposed Section. scale 1:20

1000 minimum.

date: June 2021 rev:

drawing no: 21583 /03.

project: Single storey rear extension.

site: 64 Wychdell. STEVENAGE. SG2 8JD.

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