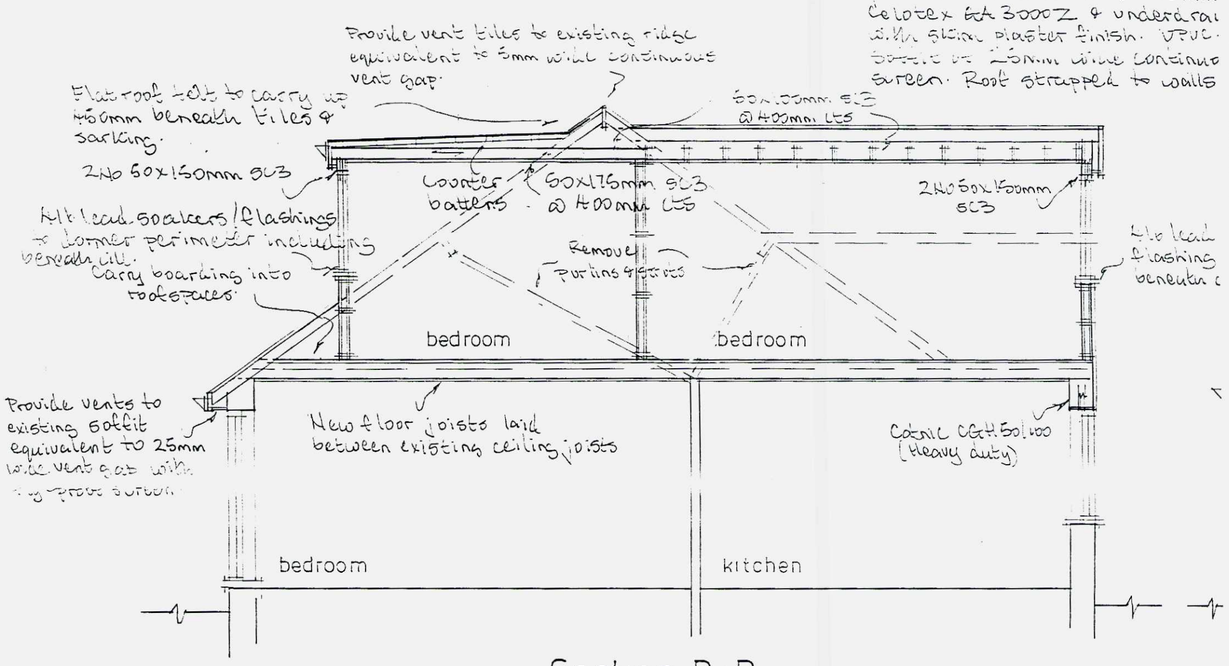
Dormer:- To be constructed as p
Dormer roof:-
12.5mm chippings bedded in bi
on 18mm external quality ply
provide 1 no felt on 50x175mm
Celotex GA3000Z & underdrai
with 9mm plaster finish. UPVC
Provide 25mm wide continuo
screen. Roof stripped to walls



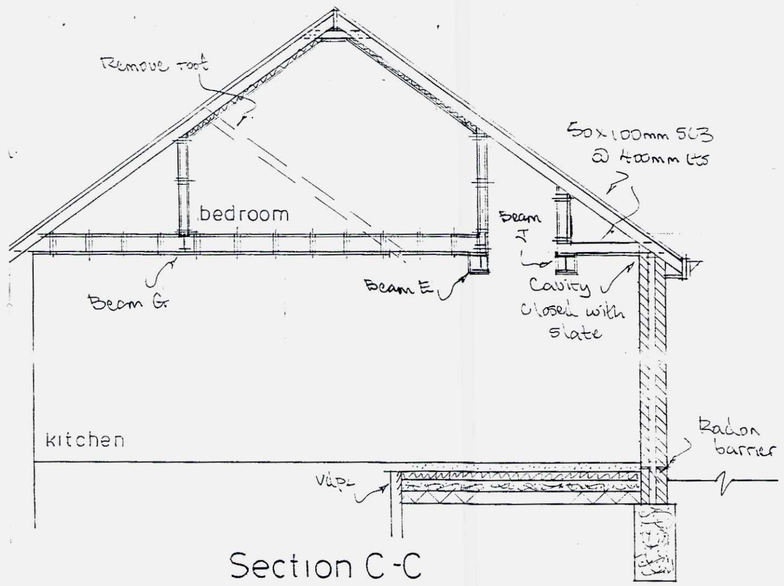
Section B-B

Pitched Roof/ Ceilings:-
Concrete tiles to match existing on 19x38mm s.w. treated battens on 'Tyvek' permeable sarking on 50x100mm SC3 rafters @ 400mm cts. Ceiling areas to new and existing roofs to have 50x50mm s.w. parralled battens applied to underside of rafters to increase overall depth to 150mm. Infill between rafters/battens with 100mm Celotex GA3000Z thus maintaining min 50mm air gap above insulation & below sarking/Tyvek. Underside of ceiling rafters/battens to be lined with 'Thinsulate' multi-foil insulation retained in place by 19x38mm s.w. horizontal battens @ 600mm cts. Inner lining of 12.5mm plasterboard with skim plaster finish. Ceilings of 50x100mm SC3 joists @ 400mm cts infilled with 150mm Celotex' GA 3000Z above ceiling of 12mm 'Celotex' & 12.5mm plasterboard with skim plaster finish. Roof strapped to walls with 30x5mm ms straps @ 2.0m cts. Straps to be taken across min 3no joists where joists run parrallel with walls. Provide solid noggings between joists at strap positions. UPVC facia with 100mm pvc gutters and 75mm downpipes. UPVC soffit with 25mm wide continuous vent gap with fly-proof screen.
Gables:-
Stained timber boarding on 19x38mm s.w. treated vertical battens on 'Tyvek' sarking on 18mm external quality ply on 50x100mm SC3 studs @ 400mm cts with 50x100mm head & sole plates and solid noggings @ 1/3 height. Studs infilled with 90mm 'Celotex' GA3000Z & to have internal lining of 12mm 'Celotex' & 12.5mm plasterboard with skim plaster finish. 2no 50x150mm SC3 joists as heads over windows. 4lb lead flashings beneath window cills.
Stud Walls:-
50x100mm SC3 studs @ 400mm cts with 50x100mm head & sole plates & solid noggings @ 1/3 height. Studs adjacent to roofspaces to be infilled with 90mm 'Celotex' GA3000Z and to have internal lining of 12mm 'Celotex'. Walls between rooms & alongside stairs/landing to be infilled with 100mm 'Rockwool' mineral fibre sound insulation quilt with min 10 kg/m³ density. Walls to be faced throughout with 12.5mm plasterboard with skim plaster finish. Provide double floor joists beneath stud walls where running parrallel unless otherwise calculated.
First Floor:-
18mm t&g flooring grade chipboard on SC3/SC4 joists (see plan) laid between existing ceiling joists & spiked to same where existing ceiling binders are cut. New joists to be packed up 15mm above upper surface of existing ceiling. Infill between new floor joists with 100mm 'Rockwool' mineral fibre sound insulation quilt with min 10 kg/m³ density. New areas of floor (over front extension) to have ceiling of 12.5mm plasterboard with skim plaster finish.
Stairs:-
Rise, 190mm, Going 225mm (To be measured on site prior to fabrication of stairs) Max 42° pitch. 900mm high handrail/balustrade with vertical, unclimbable, balusters with max 99mm gapping. Min 2.0m headroom measured vertically above pitch line of stairs & landing. No openings in risers to exceed 99mm. Min 50mm tread to winders.

Cavity Walls:-
20mm two coat r
tives @ 750mm h
with 100mm 'Dri
Inner leaf of 100
vertically continu
150mm above gro
closers at reveal
Ground Floor:-
65mm sand/cement
on 100mm Concrete
hardcore. DPM t
to provide Radon
Any existing airb
ducts with 100m
Foundations:-
450mm wide trer
Conditions. Found
Drainage:-
38mm ø kitchen
water level. Was
direction. All plu
discharge to new
to be 100mm ø U
New I.C's to be
externally & plus
5.0m from any
5.0m of extensio
as noted above.
Fire Precautions:
First floor bedro
position min 750x
Provide smoke d
to mains & to ha
encased with 2
Ventilation:-
New double gla
1/20th floor area
have mechanical
Bathroom extra
Kitchen extract

ole crnk stay.

mea on three layer felt to BS 747 laid to CP144
50x50mm s.w. counter battens on fittings to
CB joists @ 400mm CTS. Infilled with 150mm
with 12mm 'Celotex' & 12.5mm plasterboard
ceiling with 100mm pvc gutters & 75mm dp compipe.
, vent gap (on all three sides) with fly-proof
: spec. for extension roof.



Section C-C

der on 100mm Thermalite shield blocks. 100mm cavity with s.steel wall
rizontal ccs, 450mm vertical ccs & 225mm ccs at reveals. Cavity infilled
erm' insulation batts installed in accordance with manufacturers spec.
n 'Thermalite' blockwork with lightweight plaster finish. Cavity to be
s with existing & closed at head with slate. Horizontal dpc min
d level & lapped with existing dpc. Combined vapour/insulated cavity
. Catnic CG90/100 lintels over openings in external walls.

creed reinforced with chicken wire on 100mm 'Celotex' tuff-R floor insulation
n 1500g polythene dpm on sand blinding on min 150mm well consolidated
lap with new & existing dpc. DPM to be taken across cavity in tray form
gas barrier. All joints in gas barrier to be sealed with waterproof tape.
ucts obstructed by new floor are to be ducted to external air via 100mmø
concrete cover.

n-fill foundations min 1.0m deep with final size/depth to suit site
tions to be taken down to invert level of any drains within 1.0m distance.

nk waste re-connected to existing gulley below gulley grating but above
to have 75mm deep anti-vac bottle traps & fitting eyesat change of
bing to be to BS EN 12056. 32mm ø basin waste & 38mm ø bath waste to
ack-inlet gulley below gulley grating but above water level. New drains
@ 1:40 fall laid & surrounded in pea beach with 50mm concrete cover.
ilt off 150mm concrete bases using semi-engineering brickwork rendered
-pointed internally. Rainwater taken to min 1.0cu.m. soakaways min
ilding via pipes as noted above. If existing soakaway is found within
then divert existing soakaway runs to new soakaways via pipes

s to have window/rooflight with clear unobstructed size in the open
50mm with cills between 800-1100mm above floor level for escape purposes.
tectors at top & bottom of stairs. Detectors to be interlinked, connected
trickle-fed battery back-up to BS 5446. New steel beams to be
layers 12.5mm plasterboard nailed to timber cradles.

d doors, windows & rooflights to have openable area in excess of
& each room to have min 8000mm² night vents. kitchen & bathroom to
ents ducted to external air to provide 30 litres/sec extraction.
fan to be connected to light switch & to have 15 minute over-run.
oint to be located over hob.

ADUR & WORTHING PLANNING SERVICES

PLAN	AWDM/ 0194/14
DATE VALID	21-3-14

B	19.7.13	Dormer added.
A	15.5.13	Section C-C revised.
	Date	Revisions

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Client:
Mr L. Tanner

Job Title
Proposed Extensions & Roof Conversion

Drawing Title
7 Ravensbourne Close
Shoreham

Scale 1:50

Date | Drawn by

Drg No. 246/03 | Rev. A

594 x 420mm A2