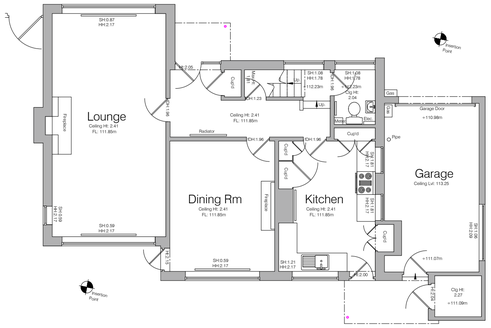
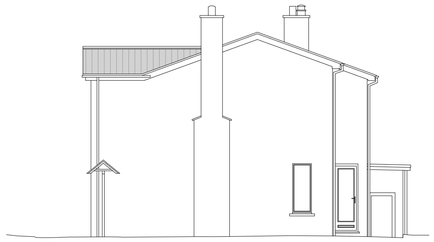

Lounge
Ceiling Ht: 2.41
FL: 111.80m
Dining Rm
Ceiling Ht: 2.41
FL: 111.80m
Kitchen
Ceiling Ht: 2.41
FL: 111.80m
Garage
Ceiling Lvl: 113.25
+110.98m
+111.07m
Recess
Cupbd
Cupbd
Cupbd
Cupbd
Cupbd
Cupbd
Gas
Flue
Flue
Recess
Recess
Recess



Datum: 110.00m.
Elevation 1.



Datum: 110.00m.
Elevation 2.



Datum: 110.00m.
Elevation 3.

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 Marsh Lane

02 - EXISTING ELEVATION AND SECTIONS - A1

SUPPORT NO.	PAPER SIZE	DRAWN BY
402	A1	SG
REVISION	SCALE	
PLANNING	1:100	

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

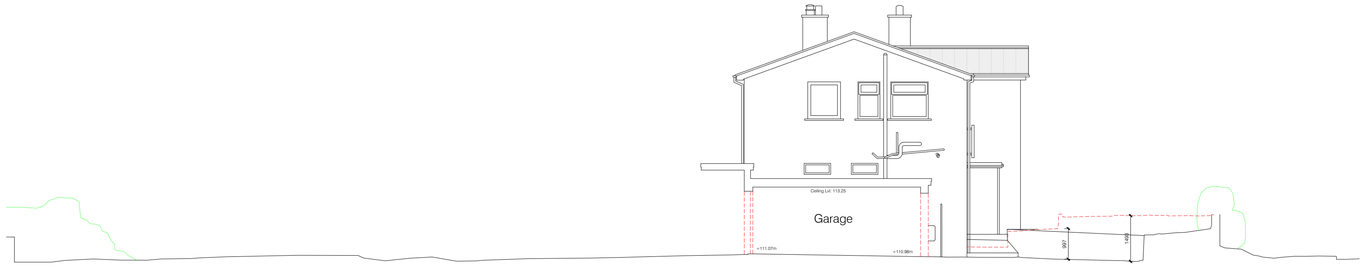
REV.	DESCRIPTION	DATE	BY	CHK'D

Scale 1:100

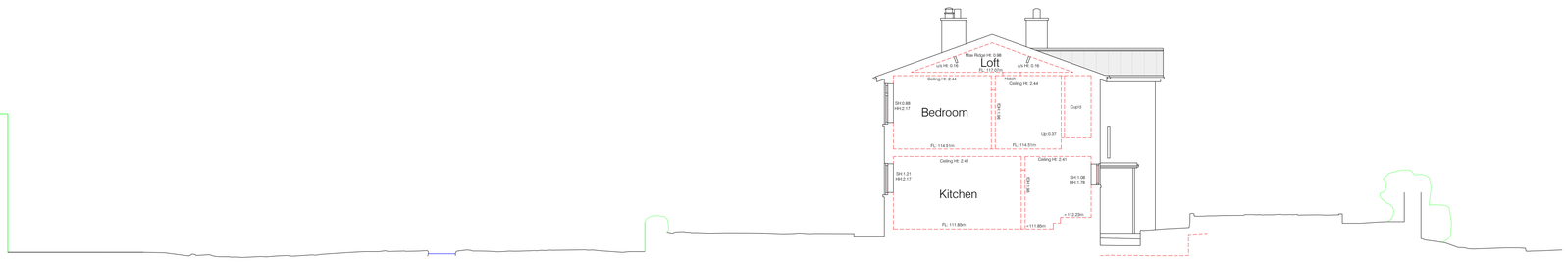
0 1 2 3 4 5 10



Datum: 110.00m.
Elevation 4.



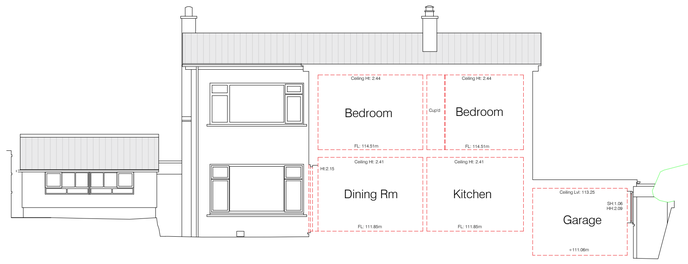
Datum: 110.00m.
Section A.



Datum: 110.00m.
Section B.



Datum: 110.00m.
Section C.



Datum: 110.00m.
Section D.



Datum: 110.00m.
Section E.

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE

03 - EXISTING BLOCK PLAN - INCLUDING PREVIOUSLY APPROVED WORKS TO DRIVEWAYS

SG PROJECT NO	PAPER SIZE	DRAWN BY
402	A1	SG

REVISION: PLANNING

SCALES: 1:100

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

T1 - TPO

PROTECTION OF T1 - TPO TREE HAS ALREADY BEEN FULLY ASSESSED AND METHOD STATEMENTS PROVIDED AND PASSED OFF DURING THE APPLICATION PREVIOUSLY PASSED EXTENSION OF PARKING

ALL CONSTRUCTION WORKS INCLUDING FOUNDATIONS TO THE PORCH ARE SIGNIFICANTLY OUTSIDE THE RPAS.
- WE WILL INSTALL ALL PROTECTION FENCING AS PREVIOUSLY APPROVED - PRIOR TO ANY CONSTRUCTION WORKS BEING CARRIED OUT FOR PEACE OF MIND.

ADDITIONAL METHOD STATEMENTS ARE NOT REQUIRED.
WE ARE HAPPY TO DISCUSS DIRECT WITH THE TREE OFFICER AND ALSO AGREE ANY CONDITIONS THAT ALIGN BOTH PROJECTS TOGETHER.

- All landscaping was previously accepted.
-This application does not cover any landscaping to the front elevation whatsoever
- NO changes to parking / entrances are made etc away from previous approval.
- No alteration to the way the TPO protected tree is maintained by the previous method statements and abrocultural report.

Protective fencing that was recommended will remain around the TPO tree - until the side extension and porch is completed.

All construction work is outside the line of ANY Root Protection areas as shown.

MARSH LANE

30

28

7

45

43a

T1 - TPO

Ridge 118.42

Lounge
Ceiling Ht: 2.41
FL: 111.85m

Dining Rm
Ceiling Ht: 2.41
FL: 111.85m

Kitchen
Ceiling Ht: 2.41
FL: 111.85m

Garage
Ceiling Lvl: 113.25

SUGGESTED FUTURE PORCH UNDER SEPARATE APPLICATION

POROUS PAVING OR FALL TO GULLIES

RETAIN HEDGE TBC

Elevation 1.

Elevation 2.

Elevation 3.

Elevation 4.

Section A.

Section B.

Section C.

Section D.

Section E.

2.4m x 43m VIS SPLAY

Grass

Planting

Pond

Shed

TCL:126.82m
Tree Girth:
2.57m

CL:110.95
INV:110.15

CL:111.02
INV:110.50

Scale 1:100

0 1 2 3 4 5 10

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE

04 - INDICATIVE LANDSCAPING PLAN

SG PROJECT NO	PAPER SIZE	DRAWN BY
402	A1	SG

STATUS: PLANNING

SCALES: 1:50

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

T1 - TPO

PROTECTION OF T1 - TPO TREE HAS ALREADY BEEN FULLY ASSESSED AND METHOD STATEMENTS PROVIDED AND PASSED OFF DURING THE APPLICATION PREVIOUSLY PASSED EXTENSION OF PARKING

ALL CONSTRUCTION WORKS INCLUDING FOUNDATIONS TO THE PORCH ARE SIGNIFICANTLY OUTSIDE THE RPAS.
- WE WILL INSTALL ALL PROTECTION FENCING AS PREVIOUSLY APPROVED - PRIOR TO ANY CONSTRUCTION WORKS BEING CARRIED OUT FOR PEACE OF MIND.

ADDITIONAL METHOD STATEMENTS ARE NOT REQUIRED.
WE ARE HAPPY TO DISCUSS DIRECT WITH THE TREE OFFICER AND ALSO AGREE ANY CONDITIONS THAT ALIGN BOTH PROJECTS TOGETHER.

- All landscaping was previously accepted.
-This application does not cover any landscaping to the front elevation whatsoever
- NO changes to parking / entrances are made etc away from previous approval.
- No alteration to the way the TPO protected tree is maintained by the previous method statements and abrocultural report.

Protective fencing that was recommended will remain around the TPO tree - until the side extension and porch is completed.

All construction work is outside the line of ANY Root Protection areas as shown.

INDICATIVE ONLY -

EXACT DETAILS MUST BE DETERMINED AND DESIGNED BY INSTALLERS /LANDSCAPERS ETC FOLLOWING SELECTION OF MATERIALS - THE DRAWING IS TO ONLY ACCURATELY INDICATES THE CHANGE IN LEVELS WHICH IS SUBJECT TO PLANNING ETC

MARSH LANE

T1 - TPO

RETAIN HEDGE TBC

Eaves Lvl: 113.91m

Ridge Lvl: 115.01m

Eaves Lvl: 113.91m

Ridge Lvl: 115.01m

Lounge
Ceiling Ht: 2.41
FL: 111.85m

Fireplace

Radiator

OPEN PORCH

Cupd

Dining Rm
Ceiling Ht: 2.41
FL: 111.85m

Fireplace

Kitchen
Ceiling Ht: 2.41
FL: 111.85m

ANY RADIATORS MUST BE SIZED BY HEATING ENGINEERS ONLY

ALL KITCHEN LAYOUT TO BE CONFIRMED WITH BUILDER AND ANY ALTERATIONS MADE TO SUIT MUST BE ALLOWED FOR IN PRICING INCLUDING SERVICES AND MAKING GOOD TO FLOORS ETC

ENSURE END PANELS ARE ALLOWED FOR ON ON HIGH LEVEL UNIT OF END UNIT

UTILITY
Ceiling Ht: 2.41
FL: 111.85m

BATHROOM
Ceiling Ht: 2.41
FL: 111.85m

POROUS PAVING OR FALL TO GULLIES

POROUS PAVING OR FALL TO GULLIES

NEW EXTERNAL DOOR CONFIGURATION TO BE CONFIRMED BY THE CLIENT AND SUPPLIERS

BOILERS
Ceiling Ht:2.04
FL: 112.23

ALL AS PER GAS SAFE INSTALLER

Meter

Elec:

Nom.500mm vertical rad size tbc by installer

potential level needed builder to expose and assess allow contingency assess space - units may need a blanking panel to the end to ensure no clashes

600 Fulln tbc drop rad into plinth and system pockets

GF D02 FD30 726x2040x40 (B10)

GF D03/4 FD30 1340MM opening 626x2040x40 (B10)

GF D01 - pocket door to be 800 clearance set central

400 towel rail (vertical)

shower 1000mm x 900mm SHOWN

*WC extract 15 litres/sec second fourth 30 litres/sec bathroom - total levels - connect to BR

400 d x 1300mm bench

1000 corner base 600d plastic comp

1000 sink base

600 base (1no drw 2no panels)

Nom.500mm vertical rad size tbc by installer

EX D01 826x2040 glazed composite (PVD) swing tbc by client

HDK90

1000 corner base (Dbl magic corner)

600 base

900 base (Dish Washer tbc)

900 unit

300 Cupb

300 plate rack

600 larder 1no drw

900 F/F

Ht:2.05

Max Ht: 1.81

Up.

SH:1.08
HH:1.78
+112.23m

IDH:1.23

IDH:1.96

HDK90

SH:0.87
HH:2.17

SH:0.59
HH:2.17

SH:0.59
HH:2.17

HH:2.15

i.C. NEW I.C.

i.C. NEW I.C.

i.C. 450MM NEW I.C. (located wardrobe and rear of living)

RW

G

Gy

Insertion Point

111.65
111.70
111.91
111.91
111.91
111.91
112.31
110.32
110.08
Grass
Top of Wall Lvl: 112.95m
110.94
110.96
110.96
CL:110.95
INV:110.15
111.10
CL:TBC
INV:110.50
111.631
111.431
UP 200mm
UP 400mm
111.031
111.64
111.61
111.63
111.62
111.67
111.68
111.84
111.75
111.87
111.93
111.60
111.64
111.66
111.55
111.56
111.60
111.69
111.81
111.76
112.40
111.72
112.40
112.28
112.26
112.23
112.23
112.17
112.21
112.19
112.24
112.14
112.10
111.98
112.12
111.10

ALL LANDSCAPING TO LOWER LEVELS AS SHOWN IS INDICATIVE - LAYOUTS / MATERIALS ALL DESIGNED BY LANDSCAPERS / CLIENT ON SITE.

OUTDOOR KITCHEN WITH GAS SUPPLY TBC BY CLIENT WITH LANDSCAPER

NEW PATIO AREA TO MATCH ORIGINAL LEVELS

Planting

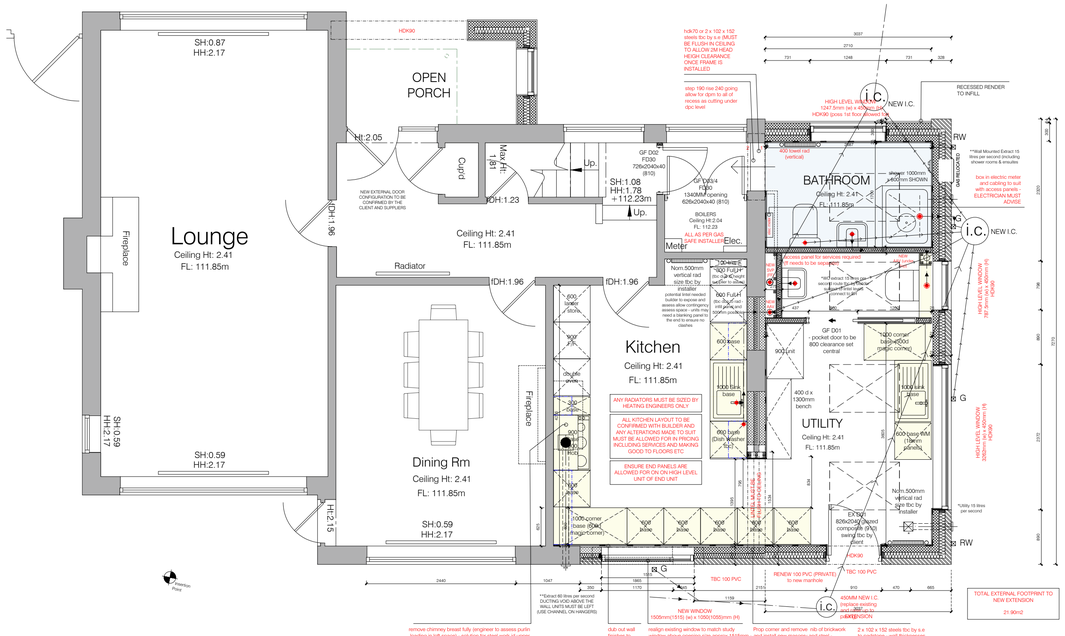
45

N

Scale 1:50
0 1 2 3 4 5

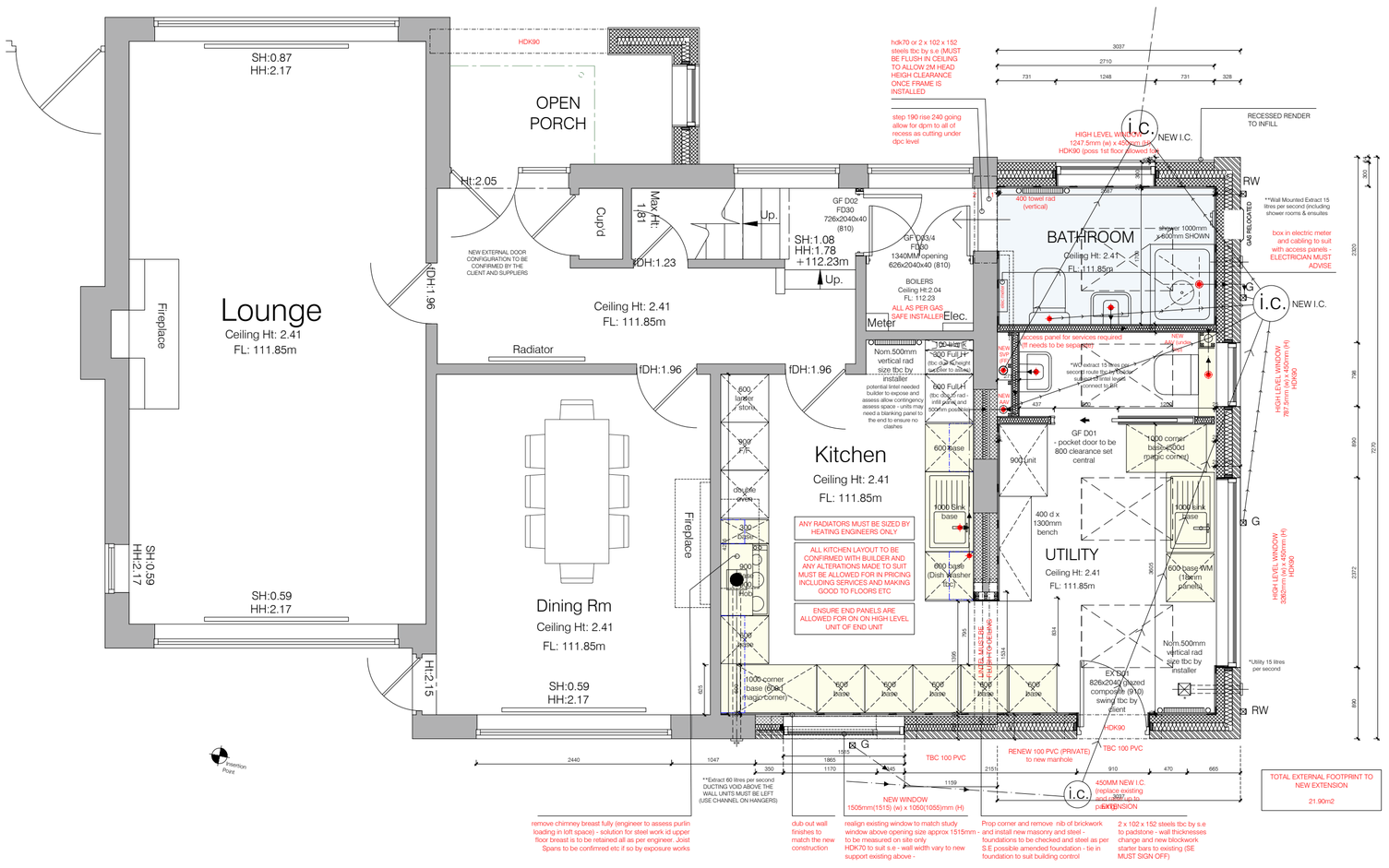
Scale 1:50

0 1 2 3 4 5


OPEN PORCH
Lounge
Ceiling Ht: 2.41
FL: 111.85m
Fireplace
Radiator
Ceiling Ht: 2.41
FL: 111.85m
Dining Rm
Ceiling Ht: 2.41
FL: 111.85m
Kitchen
Ceiling Ht: 2.41
FL: 111.85m
BATHROOM
Ceiling Ht: 2.41
FL: 111.85m
UTILITY
Ceiling Ht: 2.41
FL: 111.85m
Meter
Elec.
Cupd
Mstr Flr
1.81
Up.
SH:1.08
HH:1.78
+112.22m
Up.
Ht:2.05
IDH:1.23
IDH:1.96
IDH:1.96
IDH:1.96
SH:0.87
HH:2.17
SH:0.59
HH:2.17
SH:0.59
HH:2.17
SH:0.59
HH:2.17
Ht:2.15
NEW EXTERNAL DOOR CONFIGURATION TO BE CONFIRMED BY THE CLIENT AND SUPPLIERS
GF DD2
FD30
725x2040x40
(810)
GF DW4
RD30
1340MM opening
626x2040x40 (810)
BOILERS
Ceiling Ht:2.04
FL: 112.23
ALL AS PER GAS SAFE INSTALLER
Non.500mm vertical rad syst tbc by installer
potential brief needed builder to expose and assess structure and assess space - while may need a blanking panel to the end to enhance rec clashes
300 FUSE tbc - 2 no. 2 circuit isolation in cloak
900 FUSE tbc - 3 no. 2 circuit isolation in cloak
600 fridge
600 freezer
900 unit
1200 corner base unit 1200 carcass corner
400 d x 1300mm bench
GF D01
- pocket door to be 800 clearance set central
600 base unit
1000 corner base unit 1000 carcass corner
600 base unit
600 base unit
600 base unit
600 base unit
600 base unit
600 base unit
900 base unit
Dishw
Dishwasher
600 base unit
1200 corner base unit 1200 carcass corner
Non.500mm vertical rad syst tbc by installer
EX D01
826x2040 Second composite (FD) swing tbc by client
ANY RADIATORS MUST BE SIZED BY HEATING ENGINEERS ONLY
ALL KITCHEN LAYOUT TO BE CONFIRMED WITH BUILDER AND ANY ALTERATIONS TO SUIT MUST BE ALLOWED FOR IN COSTING INCLUDING SERVICES AND FLOORING - GOOD TO FLOOR LEVELS
ENSURE END PANELS ARE ALLOWED FOR ON ON HIGH LEVEL UNIT OF END UNIT
hdr70 or 2 x 102 x 152 steels tbc by s.e (MUST BE FLUSH IN CEILING TO ALLOW 2M HEAD HEIGH CLEARANCE ONCE FRAME IS INSTALLED
step 190 rise 240 going allow for dpm to all of recess as cutting under dpc level
300 towel rail (vertical)
Shower 1000mm x 800 SHOWN
RECESSED RENDER TO INFILL
HIGH LEVEL WINDOW 1247.5mm (w) x 450mm (h) HDK90 (cross 1st floor window)
I.C.
NEW I.C.
I.C.
NEW I.C.
I.C.
NEW I.C.
RW
RW
RW
G
G
HIGH LEVEL WINDOW 1247.5mm (w) x 450mm (h) HDK90
HIGH LEVEL WINDOW 1247.5mm (w) x 450mm (h) HDK90
**Wall Mounted Extract 15 litres per second including shower rooms & ensuites
box in electric meter and cabling to suit with access panels - ELECTRICIAN MUST ADVISE
*Utility 15 litres per second
**Extract 60 litres per second MIN. DUCTWORK TO BE RIGID, LINTS MUST BE LEFT (USE CHANNEL ON HANGERS)
NEW RADIATOR POSITION TBC
RENEW 100 PVC (PRIVATE) to new manhole
TBC 100 PVC
TBC 100 PVC
450MM NEW I.C. (replace existing 300 I.C. in this position)
HDK90
TOTAL EXTERNAL FOOTPRINT TO NEW EXTENSION
21.90m2
remove chimney breast fully (engineer to assess purlin loading in loft space) - solution for steel work s/j upper floor breast is to be retained/ all as per engineer. Joist Spans to be confirmed etc if so by exposure works
dub out wall finishes to match the new construction
realign existing window to match study window above opening size approx 1515/mm - NOW measured on site only
NOW to suit s.e. wall width way to new support seating above
Prop corner and remove rib of brickwork and install new masonry and steel - foundations to be checked and steel as per S.E possible arrested foundation - tie in foundation to suit building control
2 x 102 x 152 steels tbc by s.e to padstone - wall thicknesses change and new brickwork starter bars in passing (SE MUST SIGN OFF)
1047
1865
1170
390
1159
2440
2110
910
470
665
3037
2710
731
1248
731
308
1247
1359
1770
2323
600
3037
2710
1305
1305
1305

Scale 1:50

0 1 2 3 4 5



S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

06 - PROPOSED GROUND FLOOR LAYOUT - A2 - 1-50

SG PROJECT NO	PAPER SIZE	DRAWN BY
402	A2	SG

REVISION: PLANNING

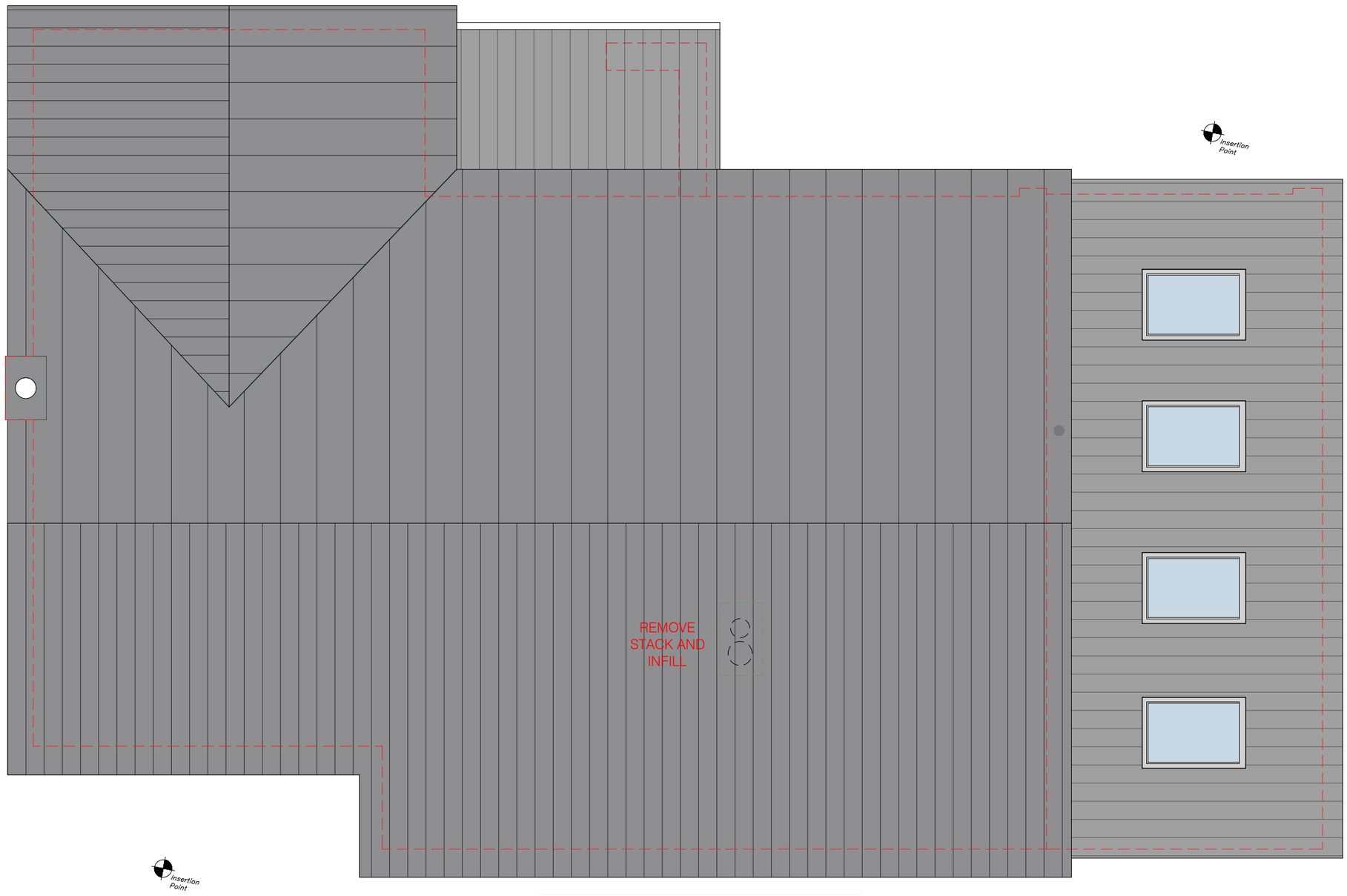
SCALES: 1:50

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

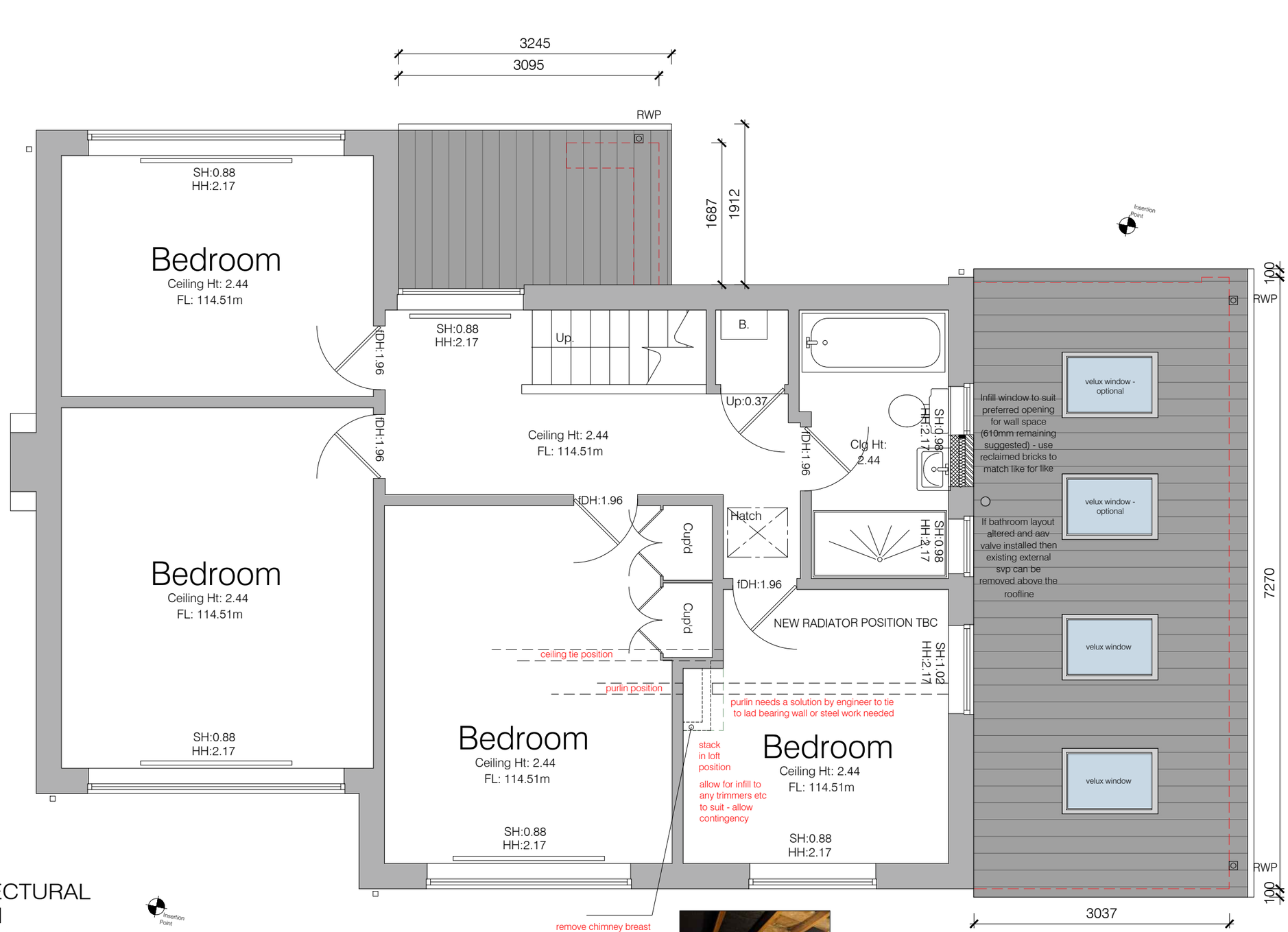
Scale 1:50

0 1 2 3 4 5



SOLAR PANELS TO BE INSTALLED TO THE REAR ELEVATION ROOF - THIS IS UNDER PERMITTED DEVELOPMENT AND WILL NOT BE DETAILED WITHIN THIS APPLICATION

FULL DETAILS AS PER THE INSTALLERS ONLY AND THIS MUST BE SIGNED OFF BY THE ENGINEER (PURLIN ALTERATIONS MAY BE AFFECTED)





remove chimney breast / stack (engineer to assess purlin and ceiling ties and overall loading in loft space)



S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

06 B - PROPOSED FIRST FLOOR AND ROOF - A2 - 1-50

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG
REVISION	SCALE(S)	
PLANNING	1:50	

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

16 - PROPOSED ELEVATIONS - A2 - 1-100

SG PROJECT NO	PAPER SIZE	DRAWN BY
402	A2	SG

REVISION: PLANNING

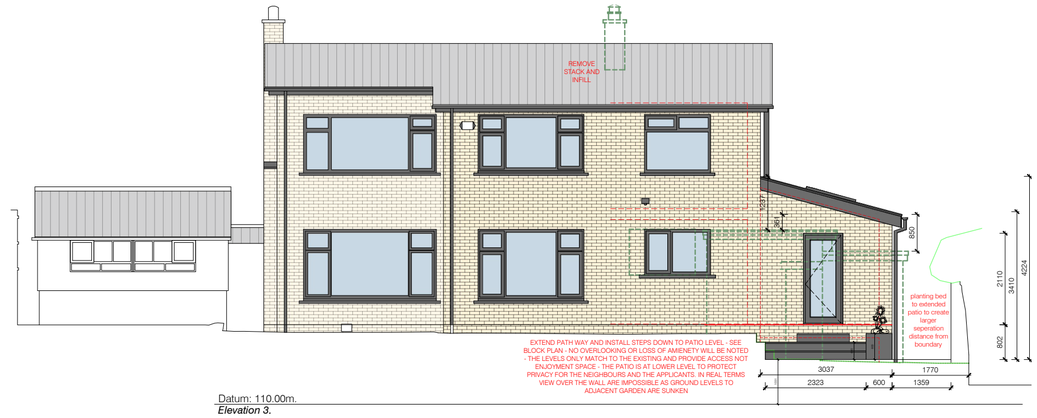
SCALES: 1:100

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

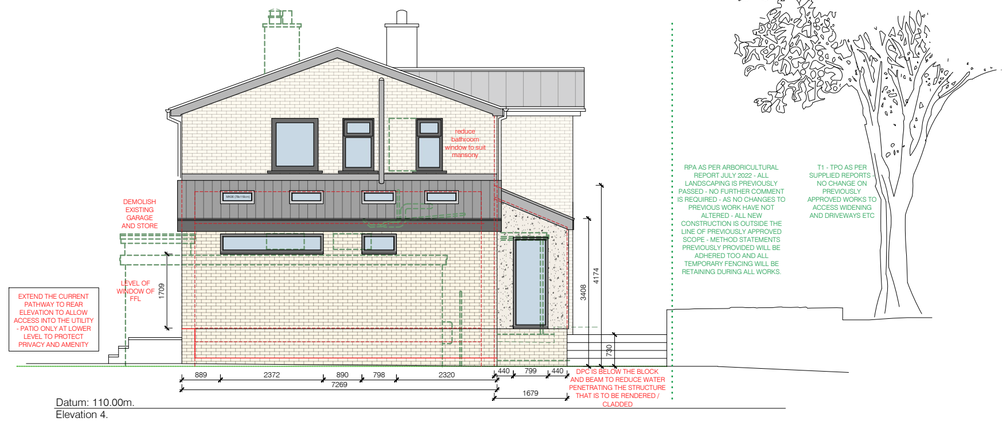
REV.	DESCRIPTION	DATE	BY	CHK'D



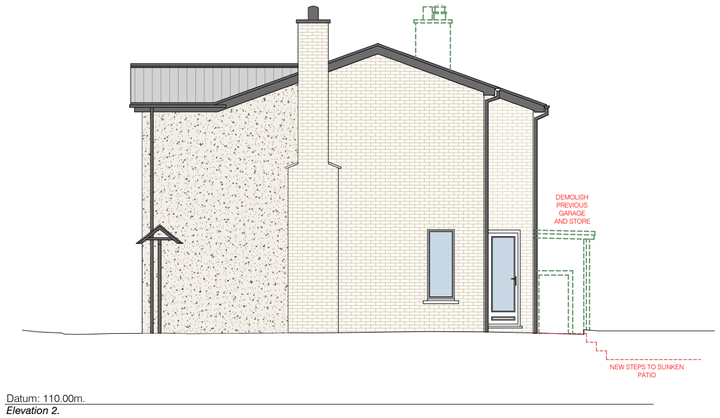
Datum: 110.00m.
Elevation 1.



Datum: 110.00m.
Elevation 3.



Datum: 110.00m.
Elevation 4.



Datum: 110.00m.
Elevation 2.

T1 - TPO

PROTECTION OF T1 - TPO TREE HAS ALREADY BEEN FULLY ASSESSED AND METHOD STATEMENTS PROVIDED AND PASSED OFF DURING THE APPLICATION PREVIOUSLY PASSED EXTENSION OF PARKING

ALL CONSTRUCTION WORKS INCLUDING FOUNDATIONS TO THE PORCH ARE SIGNIFICANTLY OUTSIDE THE RPAS.

- WE WILL INSTALL ALL PROTECTION FENCING AS PREVIOUSLY APPROVED - PRIOR TO ANY CONSTRUCTION WORKS BEING CARRIED OUT FOR PEACE OF MIND.

ADDITIONAL METHOD STATEMENTS ARE NOT REQUIRED.
WE ARE HAPPY TO DISCUSS DIRECT WITH THE TREE OFFICER AND ALSO AGREE ANY CONDITIONS THAT ALIGN BOTH PROJECTS TOGETHER.

- All landscaping was previously accepted.
-This application does not cover any landscaping to the front elevation whatsoever
- NO changes to parking / entrances are made etc away from previous approval.
- No alteration to the way the TPO protected tree is maintained by the previous method statements and abrocultural report.

Protective fencing that was recommended will remain around the TPO tree - until the side extension and porch is completed.

All construction work is outside the line of ANY Root Protection areas as shown.

Scale 1:100

0 1 2 3 4 5 10

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

07 B - PROPOSED ELEVATIONS - A2 - 1-50

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG
REVISION	SCALE(S)	
PLANNING	1:50	

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

Scale 1:50

0 1 2 3 4 5



Datum: 110.00m.

Elevation 1.



Datum: 110.00m.

Elevation 3.

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

Scale 1:50

0 1 2 3 4 5

45 MARSH LANE BELPER

07 C - PROPOSED ELEVATIONS - A2 - 1-50

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG
REVISION	SCALE(S)	
PLANNING	1:50	

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

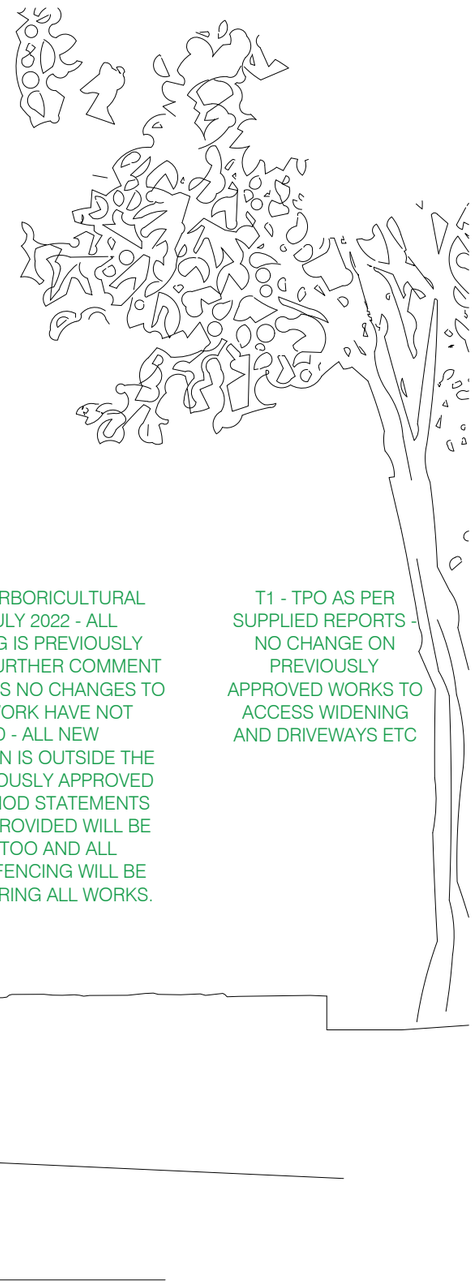
REV.	DESCRIPTION	DATE	BY	CHK'D



Datum: 110.00m.
Elevation 2.



Datum: 110.00m.
Elevation 4.



RPA AS PER ARBORICULTURAL REPORT JULY 2022 - ALL LANDSCAPING IS PREVIOUSLY PASSED - NO FURTHER COMMENT IS REQUIRED - AS NO CHANGES TO PREVIOUS WORK HAVE NOT ALTERED - ALL NEW CONSTRUCTION IS OUTSIDE THE LINE OF PREVIOUSLY APPROVED SCOPE - METHOD STATEMENTS PREVIOUSLY PROVIDED WILL BE ADHERED TOO AND ALL TEMPORARY FENCING WILL BE RETAINING DURING ALL WORKS.

T1 - TPO AS PER SUPPLIED REPORTS - NO CHANGE ON PREVIOUSLY APPROVED WORKS TO ACCESS WIDENING AND DRIVEWAYS ETC

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

08 - PROPOSED BLOCK PLAN (GF)

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG

REVISION: PLANNING
SCALES: 1:100

47

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHKD

MARSH LANE

S1 110.832

Eaves 119.10
Ridge 122.16
Ridge 118.42
Ridge 123.01

110.32
110.08
Grass
112.31
111.65
111.70
111.64
111.60
111.55
111.56
111.69
111.81
111.76
112.28
112.26
112.23
112.17
112.24
112.14
112.12
112.10
111.98
111.63
111.61
111.62
111.631
111.031
111.68
111.67
111.84
111.75
111.87
111.93
110.91
110.96
110.94
110.50

RETAIN HEDGE TBC
Eaves Lvl: 113.91m
Ridge Lvl: 115.01m
Eaves Lvl: 113.91m
Ridge Lvl: 115.01m
Top of Wall Lvl: 114.48m
Top of Wall Lvl: 112.96m

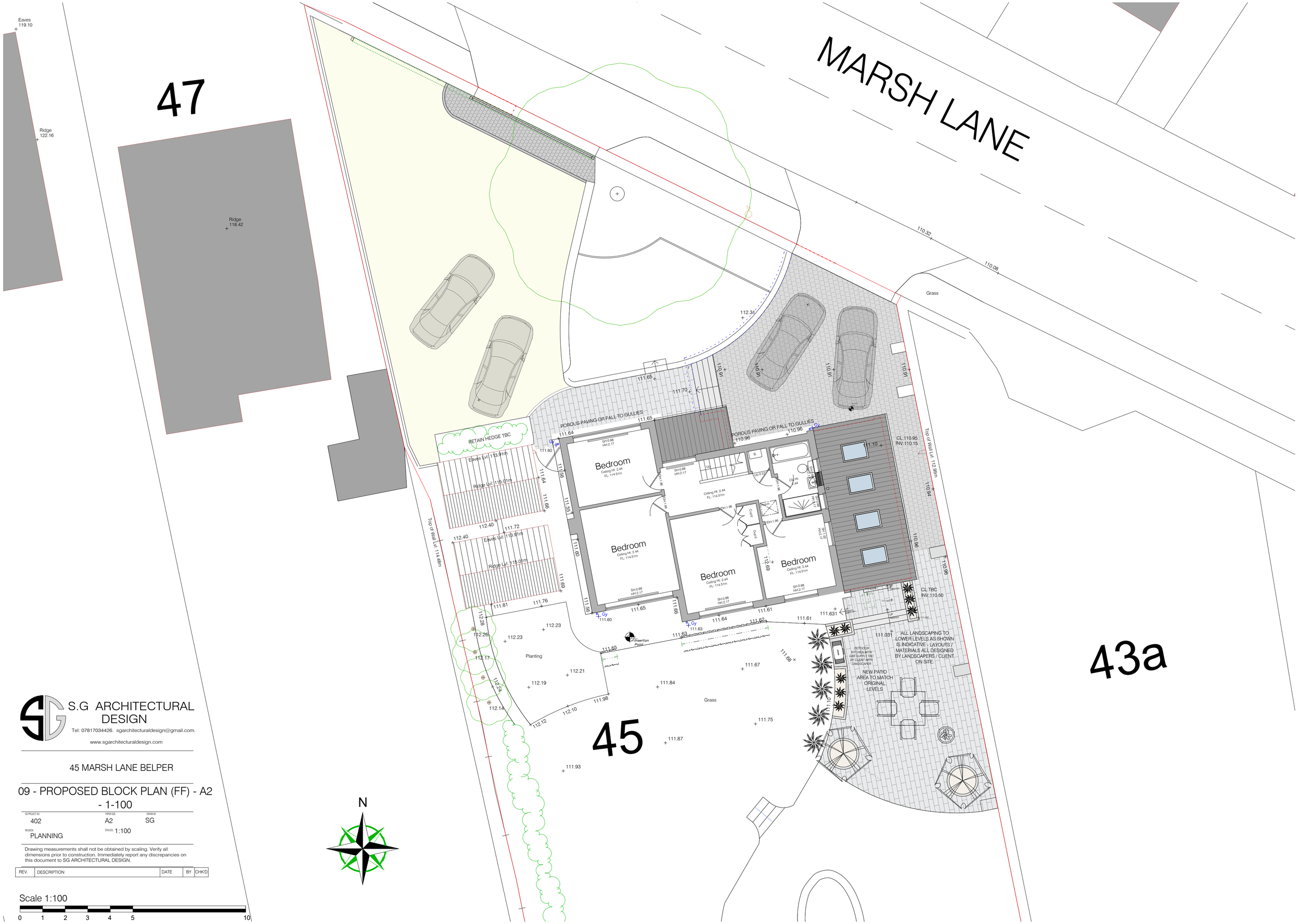
POROUS PAVING OR FALL TO GULLIES
OPEN PORCH
Lounge
Ceiling Ht: 2.41
FL: 111.85m
Fireplace
Dining Rm
Ceiling Ht: 2.41
FL: 111.85m
Kitchen
Ceiling Ht: 2.41
FL: 111.85m
Radiator
Cupb
UTILITY
BATHROOM
Ceiling Ht: 2.41
FL: 111.85m
Insert Approx 600 x 600 Inspection Chamber with Cover
Insert Approx 450 x 450 Inspection Chamber with Cover
CL: 110.95
INV: 110.15
CL: TBC
INV: 110.50
Insertion Point
Planting
Grass
OUTDOOR KITCHEN, BATH + GRD SUPPLY TBC BY CLIENT WITH LANDSCAPER
NEW PATIO AREA TO MATCH ORIGINAL LEVELS
ALL LANDSCAPING TO LOWER LEVELS AS SHOWN IS INDICATIVE - LAYOUTS / MATERIALS ALL DESIGNED BY LANDSCAPERS / CLIENT ON SITE

45

43a

N

Scale 1:100
0 1 2 3 4 5 10



S.G ARCHITECTURAL DESIGN

Tel: 07817034426. sgarchitecturaldesign@gmail.com.

www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

09 - PROPOSED BLOCK PLAN (FF) - A2 - 1-100

SG PROJECT NO	PAPER SIZE	DRAWN BY
402	A2	SG

REVISION: PLANNING

SCALE(S): 1:100

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

Scale 1:100

0 1 2 3 4 5 10

S.G ARCHITECTURAL DESIGN

Tel: 07817034426. sgarchitecturaldesign@gmail.com.

www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

10 - PROPOSED BLOCK PLA N (ROOF) - A2 - 1-200

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG
REVISION: PLANNING	SCALE(S): 1:200	

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D



Scale 1:200

0 5 10 20

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

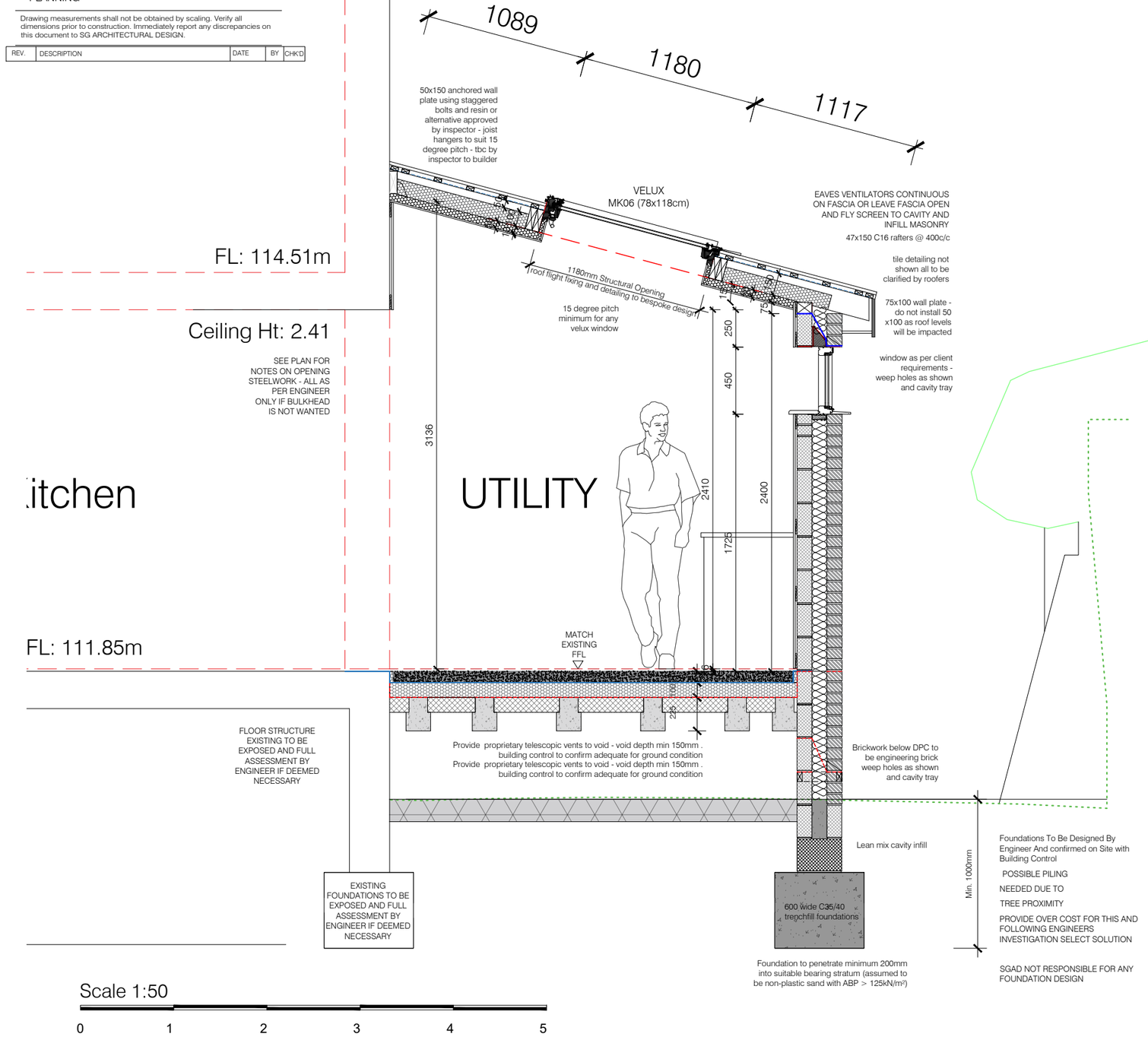
11 - PROPOSED SIDE EXTENSION SECTION

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG

REVISION: PLANNING
SCALES: 1:50

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D



UNVENTED PITCHED ROOF
Pitch 22-45° (imposed load max 0.75 kN/m² - dead load max 0.75 kN/m²)
To achieve U-value 0.18 W/m²K
Timber roof structures to be designed by an Engineer in accordance with NHBC Technical Requirement R5 Structural Design. Calculations to be based on BS EN 1995-1-1. Roofing tiles to match existing on 25 x 38mm tanalised sw treated battens on breathable sarking felt to relevant BBA Certificate. Supported on 47 x 150mm grade C24 rafters at max 400mm centres max span 3.47m. Rafters supported on 100 x 50mm treated sw wall plates. Allow min 20mm air space to allow for drape of breathable felt. Insulation to be 100mm Celotex GA4000 between rafters and 52mm Celotex PL4000 under rafters. Provide 5mm skim coat of finishing plaster to the underside of all ceiling.
Restraint strapping - Ceiling joists tied to rafters (if raised collar roof consult structural engineer). 100mm x 50mm wall plate strapped down to walls. Ceiling joists and rafters to be strapped to walls and gable walls, straps built into cavity, across at least 3 timbers with noggins. All straps to be 1000 x 30 x 5mm galvanized straps or other approved to BSEN 845-1 at 2m centres.
THIS IS A GENERAL GUIDE BASED ON NORMAL LOADING CONDITIONS FOUND IN DOMESTIC CONSTRUCTION. IT IS YOUR RESPONSIBILITY TO ASSESS YOUR DESIGN TO ASCERTAIN WHETHER ENGINEER'S DETAILS/CALCULATIONS ARE REQUIRED. PLEASE REFER TO THE TRADA DOCUMENT – 'SPAN TABLES FOR SOLID TIMBER MEMBERS IN FLOORS, CEILINGS AND ROOFS FOR DWELLINGS' OR ASK YOUR BUILDING CONTROL OFFICER FOR ADVICE.

TRENCH FOUNDATION
Provide 750mm x 600mm trench fill foundations, concrete mix to conform to BS EN 206 and BS 8500-2. All foundations to be a minimum of 1000mm below ground level, exact depth to be agreed on site with Building Control Officer to suit site conditions. All constructed in accordance with 2010 Building Regulations A1/2 and BS 8004 Code of Practice for Foundations. Ensure foundations are constructed below invert level of any adjacent drains. Base of foundations supporting internal walls to be min 600mm below ground level. Sulphate resistant cement to be used if required. Please note that should any adverse soil conditions or difference in soil type be found or any major tree roots in excavations, the Building Control Officer is to be contacted and the advice of a structural engineer should be sought.

WALLS BELOW GROUND
All new walls below ground to be constructed using blockwork compliant with BS EN 771 and suitable for below ground level or semi engineering brickwork. Walls to be built using 1:4 masonry mortar mix or equal approved specification to BS EN 1996-1-1. Cavities below ground level to be filled with lean mix concrete min 225mm below damp proof course. Or provide lean mix backfill at base of cavity wall (150mm below damp course) laid to fall to weepholes.

SUSPENDED BLOCK AND BEAM FLOOR
Remove top soil and vegetation, apply weed killer - provide 50mm concrete ground cover if required by BCO.
The underside of beams not less than 150mm above the top of the ground. PCC beams to be supplied and fixed to beam manufacturer's plan, layout and details (details and calculations to be sent to Building Control and approved before works commence). Minimum bearing 100mm onto DPC and load bearing walls. Provide concrete blocks to BS EN 771, wet and grout all joints with 1:4 cement/sand mix. Provide double beams below non-load bearing partitions. Lay 1200g DPM/radon barrier, with 300mm laps double welted and taped at joints and service entry points using radon gas proof tape, over beam and block floor.

Floor to be insulated over blocks and DPM with 100mm thick Celotex XR4000 (insulation may be reduced dependent on SAP assessment).

75mm Celotex GA4000 applied as a rigid material. 25mm insulation to continue around floor perimeters to avoid thermal bridging.
Lay 500g separating layer over insulation and provide 75mm sand/cement screed over and prepare for floor finishes as required. The top surface of the ground cover under the building shall be above the finished level of the adjoining ground. Ventilation - Provide cross-ventilation of the under floor to outside air by ventilators in at least 2 opposite external walls of the building. Ventilation openings having an opening area of 1500mm² per metre run of perimeter wall or 500mm² per square metre of floor area, whichever is the greater. Sleeper walls shall be of honeycombed construction or have provision for distribution of ventilation.

Full Fill Cavity Wall
To achieve minimum U Value of 0.28W/m²K
New cavity wall to comprise of 105mm facing brick to match existing. Full fill cavity with 100mm Dritherm32 cavity insulation as manufacturer's details. Inner leaf to be 100mm block K value 1.13, e.g. (Armstrong dense, Masterblock Monacrete 100s). Internal finish to be 12.5mm plasterboard on dabs. Walls to be built with 1:1:6 cement mortar.

FULL FILL CAVITY WALL
To achieve minimum U Value of 0.28W/m²K
20mm two coat sand/cement render to comply to BS EN 13914 with waterproof additive on 100mm block, K value 1.13, (Armstrong dense, Masterblock Monacrete 100s) with fully filled cavity of 100mm Dritherm32 cavity insulation. Inner leaf to be 100mm block, K value 1.13, e.g. Lafarge Stancrete. Internal finish to be 12.5mm plasterboard on dabs. Walls to be built with 1:1:6 cement mortar.

DPC
Provide horizontal strip polymer (hyload) damp proof course to both internal and external skins minimum 150mm above external ground level. New DPC to be made continuous with existing DPC's and with floor DPM. Vertical DPC to be installed at all reveals where cavity is closed.

WALL TIES
All walls constructed using stainless steel vertical twist type retaining wall ties built in at 750mm ctrs horizontally, 450mm vertically and 225mm ctrs at reveals and corners in staggered rows. Wall ties to be suitable for cavity width and in accordance with BS EN 845

EXISTING TO NEW WALL
Cavities in new wall to be made continuous with existing where possible to ensure continuous weather break. If a continuous cavity cannot be achieved, where new walls abuts the existing walls provide a movement joint with vertical DPC. All tied into existing construction with suitable proprietary stainless steel profiles.

CAVITY BARRIERS
30 minute fire resistant cavity barriers to be provided at at tops of walls, gable end walls and vertically at junctions with separating walls & horizontally at separating walls with cavity tray over installed according to manufacturer's details.

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

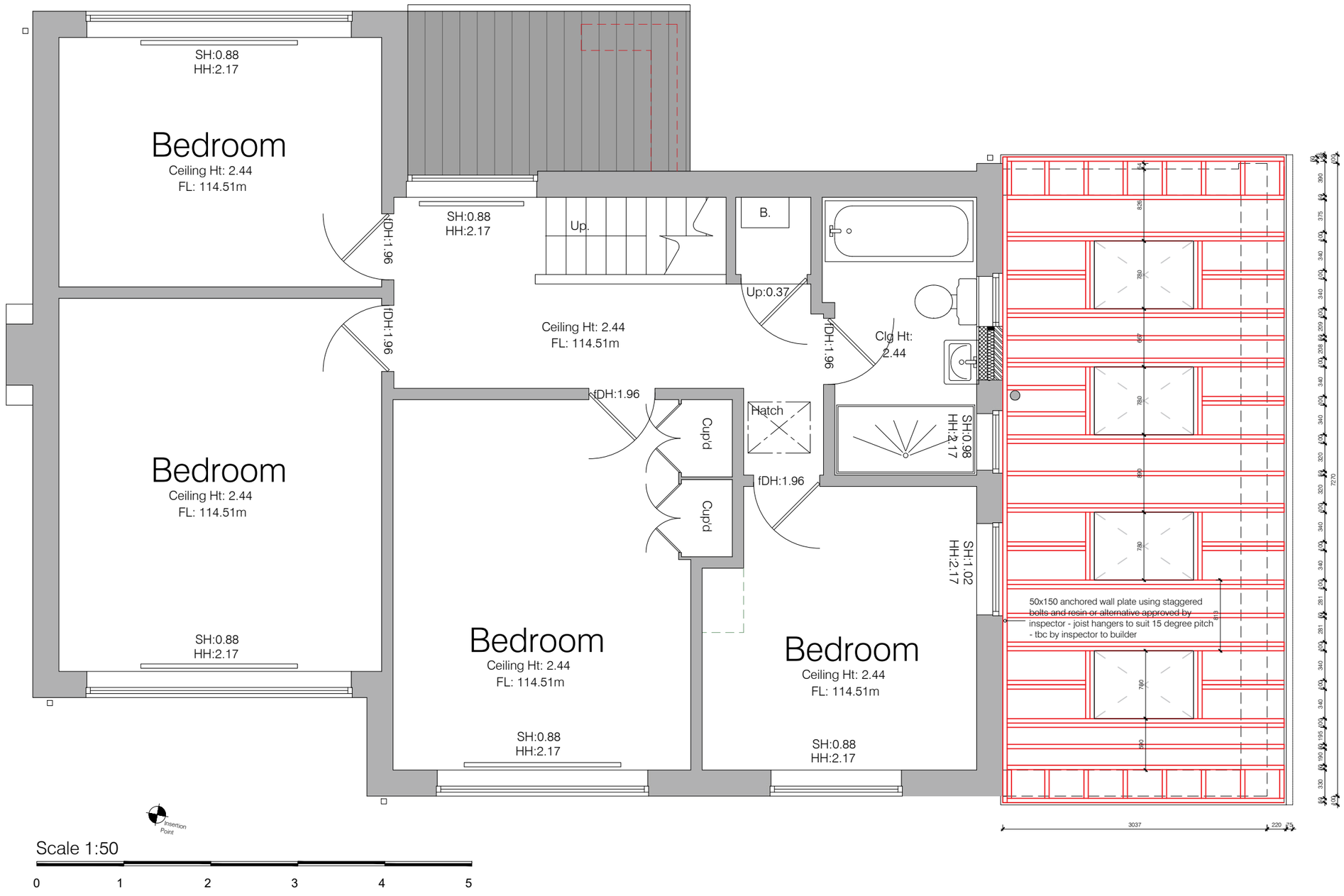
12 - RAFTER PLAN

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG

REVISION: PLANNING
SCALES: 1:50

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D



STRAPPING FOR PITCHED ROOF

Gable walls should be strapped to roofs at 2m centres. All external walls running parallel to roof rafters to be restrained at roof level using 1000mm x 30mm x 5mm galvanised mild steel horizontal straps or other approved to BSEN 845-1 built into walls at max 2000mm centres and to be taken across minimum 3 rafters and screw fixed. Provide solid noggins between rafters at strap positions. All wall plates to be **100 x 75mm** fixed to inner skin of cavity wall using 30mm x 5mm x 1000mm galvanized metal straps or other approved to BSEN 845-1 at maximum 2m centres.

NOTE LARGER SIZE INCREASE CEILING LEVEL AND PROVIDE CLEARANCE TO HIGH LEVEL WINDOW LINTELS.

UNVENTED PITCHED ROOF

Pitch 22-45° (imposed load max 0.75 kN/m² - dead load max 0.75 kN/m²)

To achieve U-value 0.18 W/m²K

Timber roof structures to be designed by an Engineer in accordance with NHBC Technical Requirement R5 Structural Design. Calculations to be based on BS EN 1995-1-1.

Roofing tiles to match existing on 25 x 38mm tanalised sw treated battens on breathable sarking felt to relevant BBA Certificate.

Supported on 50 x 150mm grade C24 rafters at max 400mm centres max span 3.47m.

ALL roof light TRIMMER OPENINGS SET AS PER CLIENT REQUIREMENTS AND manufacturers instructions.

Rafters supported on 100 x 50mm treated sw wall plates.

Allow min 20mm air space to allow for drape of breathable felt. Insulation to be 100mm Celotex GA4000 between rafters and 52mm Celotex PL4000 under rafters.

Provide 5mm skim coat of finishing plaster to the underside of all ceiling.

Restraint strapping - Ceiling joists tied to rafters (if raised collar roof consult structural engineer). 100mm x 50mm wall plate strapped down to walls. Ceiling joists and rafters to be strapped to walls and gable walls, straps built into cavity, across at least 3 timbers with noggins. All straps to be 1000 x 30 x 5mm galvanized straps or other approved to BSEN 845-1 at 2m centres.

THIS IS A GENERAL GUIDE BASED ON NORMAL LOADING CONDITIONS FOUND IN DOMESTIC CONSTRUCTION. IT IS YOUR RESPONSIBILITY TO ASSESS YOUR DESIGN TO ASCERTAIN WHETHER ENGINEER'S DETAILS/CALCULATIONS ARE REQUIRED. PLEASE REFER TO THE TRADA DOCUMENT - 'SPAN TABLES FOR SOLID TIMBER MEMBERS IN FLOORS, CEILINGS AND ROOFS FOR DWELLINGS' OR ASK YOUR BUILDING CONTROL OFFICER FOR ADVICE.

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

45 MARSH LANE BELPER

13 - Proposed Foundation And Drainage Plan

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG

REVISION: PLANNING
SCALES: 1:50

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

EXISTING / RENEWED DRAIN DEPTH - LINTEL OVER ALL NEW AS PER SPEC AND SEVERN TRENT REGULATIONS

VARIATIONS TO DRAINAGE ARE REQURIED - ENSURE A CONTINGENCY IS APPLIED TO ANY QUOTATION FOR UNFORESEEN WORKS WITH WATER SUPPLIES / GAS / OR DRAINAGE

FULL EXPOSURE OF DRAINAGE AND INVESTIGATIONS MUST BE COVERED BY OTHERS AND IS NOT THE RESPONSIBILITY OF SGAD

RETAINING WALLS TO GARDEN ON SEPARATE PROCESS AND DESIGNED BY OTHERS

Extension Ground Floor -

Ground floor to consist of min 150mm well compacted hardcore min 150mm Air void above. Beam and Block Floor as per Specialist manufacture design and detail. DPM, above to be lapped in with DPC in walls. Floor to be insulated over blocks and DPM with 100mm thick Celotex XR4000 . 25mm insulation to continue around floor perimeters to avoid thermal bridging. A VCL should be laid over the insulation boards and turned up 100mm at room perimeters behind the skirting, all joints to be lapped 150mm and sealed. Topped with 65mm Screed with wet underfloor heating with light mesh reinforcement to finish.

nom. 10mm Floor finish to client specification

ENSURE FLUSH FINISH WITH EXISTING FLOOR

Ventilate void below floor with proprietary telescopic vents at perimeter on adjacent walls

ASSUMED EXTENT OF EXISTING STRUCTURAL WALLS ABOVE. CONTRACTOR TO ASSESS WHICH WALLS ARE STRUCTURAL AT PRICING AND IF ANY FOUNDATIONS ARE TO BE IMPACTED.

WHERE NEW COLUMNS ARE REQUIRED WITHIN EXISTING FOOTPRINT EXISTING FOUNDATION TO BE EXPOSED AND REPORTED TO STRUCTURAL ENGINEER,

STRUCTURAL ENGINEER TO DESIGN CONNECTION DETAILS / PROVIDE SOLUTION FOR UNDERPINNING / NEW PADS FOUNDATIONS LOCALLY. ALL TO BE AGREED WITH BCO BEFORE CONSTRUCTION ON SITE

FOUNDATION

For Costing Only Structural Engineer and Building Control To Confirm

ALL DRAINS AD RUNS TO BE EXPOSED AND ASSESSED PRIOR TO SETTING OUT - BUILD OVER AGREEMENT WILL BE REQUIRED IF ANY SHARED DRAINS ARE FOUND

ANY SERVICES MUST BE ALLOWED FOR IN PRICING

TRIAL PIT IS REQUIRED TO ASCERTAIN DEPTH OF MADE UP GROUND / EXISTING FOUNDATIONS ETC.

ENGINEER MUST INSTRUCT ON SUITABILITY OF TRENCH FILL FOUNDATION AND REQUIRED DEPTHS DUE TO PROXIMITY OF TREES - PILED FOUNDATIONS MAY BE PREFEREED.

CARE TO BE TAKEN TO AVOID UNDERMINING BUTRESSES AND WALL FOUNDATIONS.

PARTY WALL AGREEMENT WILL BE REQUIRED. CONTRACTOR TO ENSURE CLIENT HAS RELEVANT STATUTORY REQUIREMENTS BEFORE CONSTRUCTION

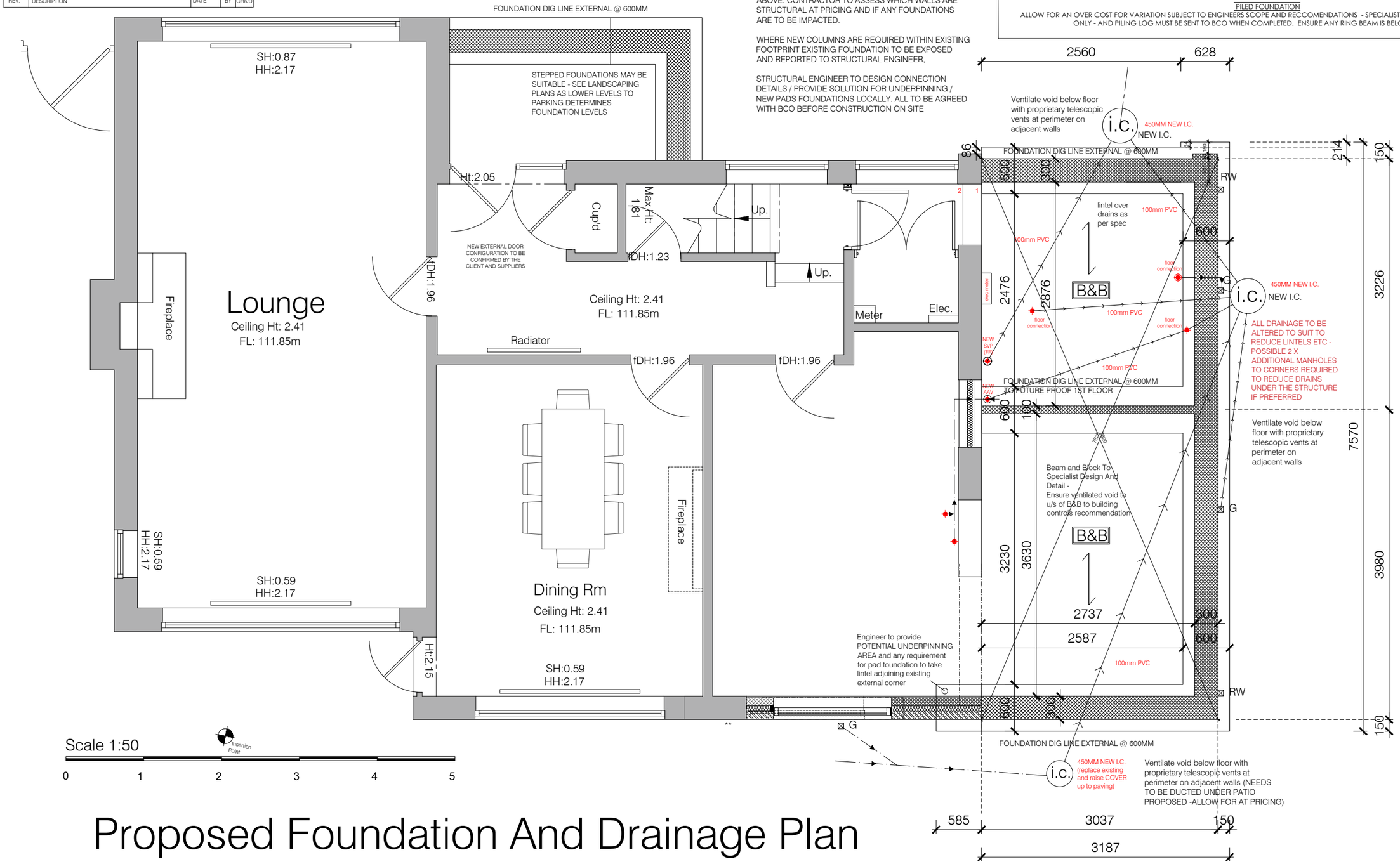
TRENCH FOUNDATION

- Trench formation Min. 1000mm depth from ORIGINAL GROUND LEVEL NOT MADE UP GROUND AND TO ALSO BE LOWER THAN INVERT LEVEL OF DRAINAGE ONCE EXPOSED

STRUCTURAL ENGINEER AND BCO TO CONFIRM BEFORE POUR

PILED FOUNDATION

ALLOW FOR AN OVER COST FOR VARIATION SUBJECT TO ENGINEERS SCOPE AND RECCOMENDATIONS - SPECIALIST TO PROVIDE UPDATED DRAWINGS ONLY - AND PILING LOG MUST BE SENT TO BCO WHEN COMPLETED. ENSURE ANY RING BEAM IS BELOW INVERT LEVELS.



Proposed Foundation And Drainage Plan