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Materials

Marley Eternit Acme Double camber - Burnt Flame

Facing Brickwork - Ibstock Ivanhoe Olde Village

UPVC frames

Stone Work nstituted Portland stone

GENERAL NOTES

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PARTY WALLS NOTICES to be served and agreed before any work on foundations are taken place.

Consulting technical solutions

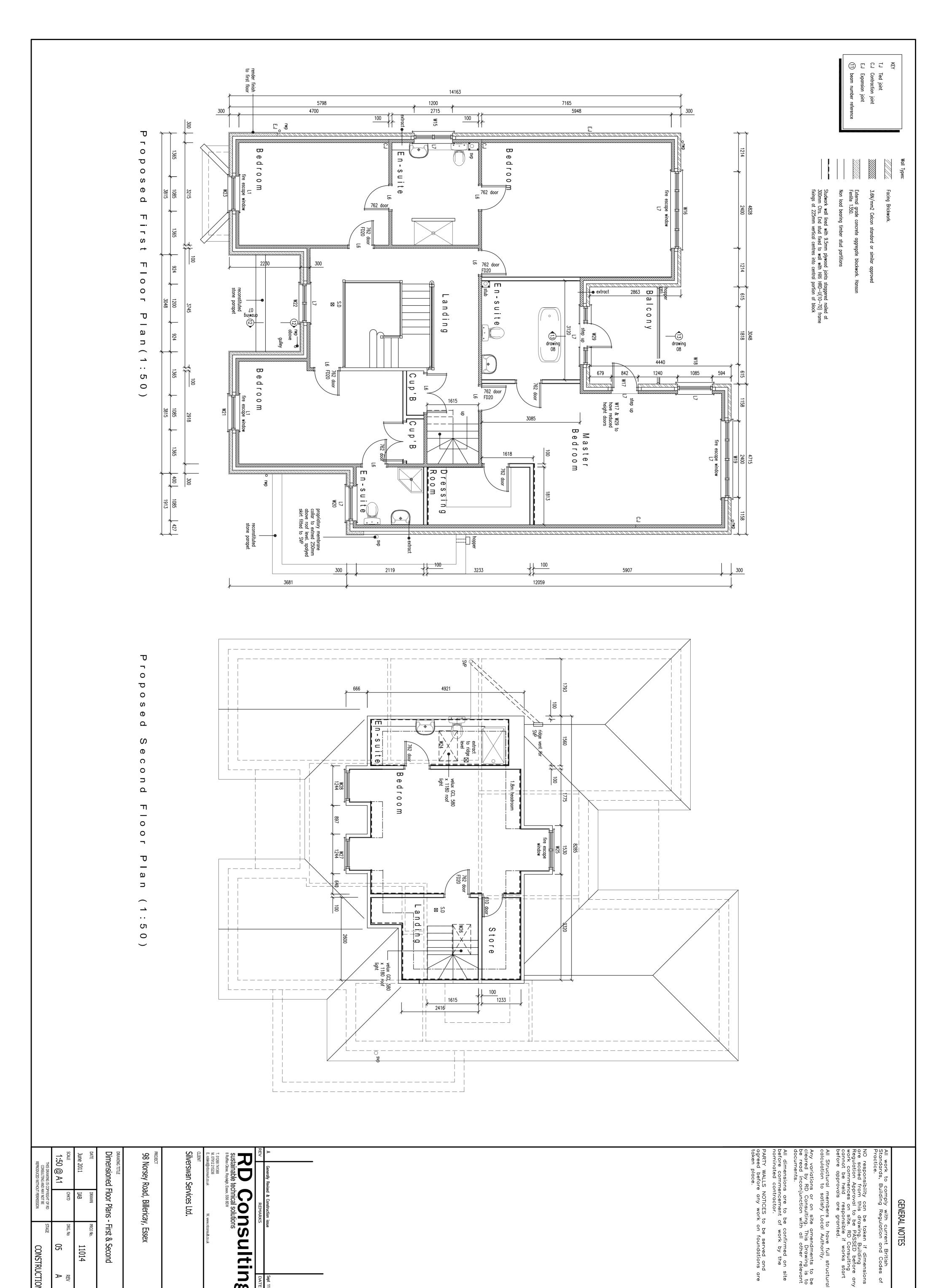
Silverswan Services Ltd.

98 Norsey Road, Billericay, Essex

Proposed Elevations

Aug 2011 11014

1:50 @ A1 Ħ CONSTRUCTION (B_图)



Consulting technical solutions

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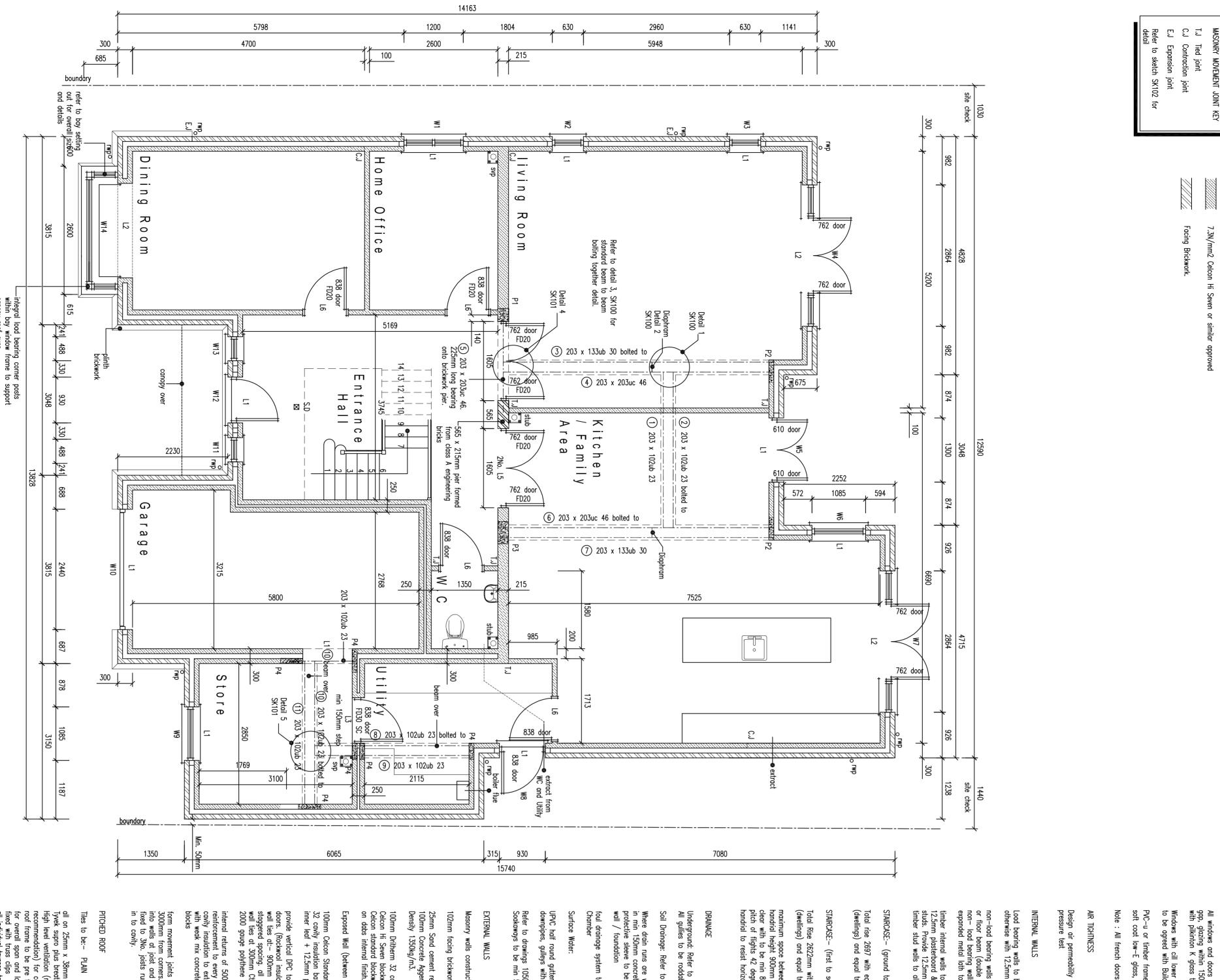
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CONSTRUCTION

11014

GENERAL NOTES

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Windows with cill lower then 800mm have to be agreed with Building Control Inspect PVC-u or timber frame soft coat low-E glass, Note : All french s and doors to be double of within 1500mm of floor on K glass to inner face and utility doors to be fully d units to be s with 16mm argon in safety glass to I 으

at 50 Pa

sign air per essure test

non-load bearing walls to be 100mm blockwork if built of or floor beam (double joist bolted together) to Engineers non- load bearing walls to unbonded form main walls all expanded metal lath to courses. 100mm rboard & 앜 ≦.

timber internal walls to be 50mm x 100mm studs at 400mm ctrs with 12.5mm plasterboard & skim both side and rigid sound insulation betwe studs. Provide 12.5mm plywood nailed to every stud inside face of all timber stud walls to all en-suite & bathrooms

first)

rise llings) with e equal risers (14No. @ 192.6mm) max. treads of min. 225mm going (Dwelling

(first to

maximum space between vertical balusters 99mi handrial height 900mm to flight and landings clear with to be min 810mm (awellings) pitch of flights 42 degrees.
handrial to resist horizontal force of at least 0. Total Rise (dwellings) e 2622mm with equal ri) and equal treads of r

Drainage: ᅌᇙ ð 10507-150

Where drain runs are within 1m on in min 150mm concrete. Where deprotective sleeve to be provided wall / foundation of the foundary of the foundation of the s though to

foul drainage Chamber б

rface Water: 68mm

Refer to drawings Soakaways to be r

EXTERNAL WALLS facing brickwork ф -150 for soakaway design n away from any building. BS

100mm Dritherm Celcon Hi Seven t Celcon standard b on dabs internal t n 32 cavity n blockwork 1 blockwork 1 finish. insulation batts + 100mm (7.3N/mm2) up to first floor level. 100mm (3.6N/mm2) above first floor level + 12.5mm plasterboard

100mm Celcon Standard 7.3N/mm2 block outer leaf + 50mm Dritherm 32 cavity insulation batts + 100mm Celcon Standard 7.3N /mm2 block inner leaf + 12.5mm plasterboard on dabs internal finish. dwelling & ф

provide vertical DPC to reveals fixed to back of frame doors. (Rockwool insulative type)
wall ties at:— 900mm Ctrs horizontally and 450mm Ct staggered spacing. all to be stainless steel.
wall ties at 300mm Ctrs to jambs
2000 gauge polythene DPC to be at least 150mm about the stage of the st of 500mm of to every cours on to extend reconcrete up or less to be reinforced with bed joint rse min. 150mm below DPC. cavity below filled to within 225mm of DPC. or soild trench above Ctrs

GROUND FLOOR

form moveme 3000mm from into walls at fixed to 3No. in to cavity. ent joints in blockwork walls at max 6000mm ctrs and man corners. build 30mm x 5mm galvinzied mild steel straps joist and roof levels at max 1800mm ctrs. Straps to be joists running parallel to cavity wall with downstands built

PITCHED to be: ROOF

all on 25mm x 38mm treated timber battens
Tywek supro plus breathable membrane
High level ventilation (ridge vents eq. to 5mm gap to BS. 5250
recommendation) for condensation control
roof frame to be pre fabricated gangnail type to manufactures design
for overall span and loadings to BS 5268 (where applicable) trusses
fixed with truss clips
all individual trusses to be secured with diagonal and cross bracing
tank and other imposed loads to be only supported on platform bearers
supported between nodal points of truss — all to BRE standards
ceiling to be 15mm plasterboard and setting coat
100mm glass fibre insulation between and 170mm laid over and kept
clear of soffit to facilitate ventilation

Internal drainage to comply with BS 5572 bath, shower and sink waste to be 38mm UPVC pipes with 75mm deep traps and cleaning eyes at waste bends re-sealing traps to be provided where waste lengths exceed 1650mm common wastes to be 50mm dia. all common pipework to be 50mm dia. all pipework to be insulated where passing though uninsulated roof voids. ground floor wastes to run seperatly to SVP with cleaning eyes to all bends

soil pipes to be 100mm dia, with access plate and long radius bend at foot, vent pipe to rise through roof to ridge vent and terminate min. 900mm above window / door opening, bird guard to top, wastes to connect to svp with rodding access at first floor level with removable access panel, stub stack terminated with air admittance valve abive highest overflow, pipes to be encased in 12.5mm plasterboard on softwod framing and insulated with min. 50mm mineral wool.

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plate (75mm infill to be x 100mm) strapped down x 150mm (rafters) at 1800mm Ctrs

DISABLED ACCESS

Entrance Area to be a fall of 1
Site Formed Drainage channel to with max 15mm gap between p front edge of theshold to be m I.G threshold to be rebaited into entrance ramp to have 900mm carparking space.

joists through out the building

HEATING and steel bear $\frac{1}{2}$ hr fire r vide cavity eams to Structural Engineers de e resistance. via 12.5mm fire li ity trays above beams design to be e line plasterbo

central heating to be provided by gas fired co the GARAGE with vertical discharge flue. Boiler timing controls. External flue casing to be of Mege Flow tank to be located in GARAGE

radiators to be fitted with

(ground floor

n Heating System ventional (mains) gas-fired wet central heating system | = underfloor heating, first floor level = radiators). Indensing boiler — SEDBUK rating 91.5% (or higher). Dry boiler not to exceed 40 mg/kWh. ating System stove (wood

3% efficienty.
ater Heating
om central heating boiler.
U foam insulation (or 35ote : Hot water cylinder, c
pplicable) to have Global V ir. Hot water 5-50mm + ji cold water t Warming Pol er cylinder jacket) a jacket, ar tanks, ar otential ((der includes
) and therm,
and pipe ir
(GWP) < 5 min 80mm fact nostat. insulation (where

VENTILATION Heating Controls
Time and temperature accompensator.

Rapid Ventilation openings to habita floor area. Some parts of which at 8000sq.mm adjustable background v ţ

Provide 4000sq.mm adjustable ventilation (trickle vents) Intermittent mechanical extract ventilation to kitchen not less then 30 litres / second, when incorporateed within cooker hood 0r when located near the ceiling within 300mm of the centreline of the space for the hop and under hunidistat control 0r rated not less then 60 litres/sec when located Ventilation of Kitchen / Utility t least 1.75m ventilation. ie t quivalent above trickle nt to one two floor level ventilators.

Provide 4000sq.mm Intermittent mechanic adjustable nical extract background to bathroon ntilation to en-suites not bath less

1000 sq.mm background ventilation appid ventilation opening equivalent to the of which above 1.75m above flow at 6 litres / second t to of o sanitary acco one twentieth or level. Mechan r area.

ternal (space lighting) — All I e only capable of accepting II r circuit watt. I - At least 40% or nousing, reflector, or e only capable of per circuit watt. of light fittings (comprising lamp, base, and shade/diffuser) are dedicated low-accepting lamps with luminous efficacy light fitting are dedicated low lamps with luminous efficacy energy, > 40 lun

External (security lighting) if applicable — All light fitting are dedicated low—energy, with maximum wattage 150W, movement detection sensors (PIR), daylight cut—off sensors and are only capable of accepting lamps with luminous efficacy > 40 lumens per circuit watt.

75mm screed with reinforced with light mesh (chicken wire) + 100mm Celotex GA3100 insulation + concrete beam and bloc 1200 g DPM (100mm Celcon precast concrete floor to BS 8110 with infill blc (thermal insulative) min. 3.6N to bear on DPC min 150mm ventilated void to be maintained to under side of f void to be ventilated by 215mm × 65mm air bricks with at leas sq for each metre of wall run. floor to be laid in accordance wand manufactures recommendations.

oversite cleared and treated with weed killer 1200g DPC to laid top and bottom of beam & block floor infill) of floor It least 1500mm Ince with details

of 1:20 Max
el to be positive
n paving slabs of
max 15mm at
into hardwood of
nm clear width drained
door theshold
paving level
sill
have firm sur

ELECTRICAL

n thick moisture resistant flooring grade cl OISTS to specallist manufactures details. st orted by joists or noggins. n plasterboard with skim coat plaster finish oal joists to be used under partitions and to joist connection by hangers m sound insulation laid between joists throm insulation to exposed floor chipb short 6

HOT WATER

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100 ×

150mm deep pre-stressed concrete by Naylor

L5 - 100 X 215mm

deep pre-stressed concrete by Naylor

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CN55C

FLAT ROOF

IRE PROTECTION

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STEEL BEAM KEY:

(1) 203 x 102ub 23 (2) 203 x 102ub 23 (3) 203 x 133ub 30 (4) 203 x 203uc 46 (5) 203 x 203uc 46 (6) 203 x 203uc 46 (7) 203 x 133ub 30 (8) 203 x 102ub 23 (9) 203 x 102ub 23 (10) 203 x 102ub 23 (11) 203 x 102ub 23 (12) 203 x 102ub 23

P1 P2 P3 5 - 440 x 215 x 215mm deep 1 - 330 x 100 x 215mm deep 440 x 100 x 215mm deep TONE SCHEDULE: – 215 x 215 x 215mm deep ast concrete pastones by NAYLOR to Be:

REFER TO DETAILS

FOUNDATION LAYOUT FOR DEPTHS / STRUCTURAL ENGINEERS

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of

GENERAL NOTES

All switches, sockets and outlet to a max. of 1200mm from flall internal door to be min. 75 Ground floor W.C area to be 5 with min. 750mm clear from t utlet to be min. 450mm m floor level . 750mm clear opening se 500mm min. from center l of

FIRST FLOOR

LINTELS

prior to completion the Council should be satisfied that Part P has been complied with. this may require an appropriate BS 7671 electrical installation certificate to be issed for the work by a person competent to do so.

Any variations or on site amendments to be cleared by RD Consulting. This Drawing is to be read inconjunction with all other relevant documents.

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work required to meet the requirements of "Part P" fety) must be designed, installed, inspected and tested by mpetent to do so.

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Presses 150mm

stee

l lintels to be by CATNIC (or similar approved) with min bearing.

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L3 -

CG50/100

L2 -

сн/90/100

CG90/

100

condensing boiler located in er fitted with interlocks and f 300mm from all openings.

Single Ply membrane covering
12mm WPB grade plywood
105mm KINGSPAN TR27 (warm roof)
Refer to flat roof drainage details for flashing /gutters firrings to be min. 1:60
falls.
Flat roof joists to be 50mm x 125mm C16 grade timbers @400mm Ctrs

first floor bea smoke detect detectors to back up Garage ceiling to be $\frac{1}{2}$ hr fire resistant — 2 layers of plasterboard with staggered joints detectors to drooms to have 0.33m sq. opening (450mm x 750mm clear a cill between 800mm x 1100mm) be placed a min. 300mm from any light fitting. tors to be installed at ground floor and first floor landing. be permenantly wired on a seperate fused circuit with battery

2011

RD Consulting technical solutions

Silverswan Services Ltd. 98 Norsey Road, Billericay, Essex

Dimensioned	DRAWING TITLE
Ground Floc	
Dimensioned Ground Floor Plan & Construction Notes	
ruction Notes	

DATE	DRAWN	PROJ No.
June 2011	IAB	11014
SCALE	CHK'D	DRG. No REV
1.50 @ A1		04 A

CONSTRUCTION