

Provide new 195 x 47mm and 75mm C16 and C24 timber floor joists and doubles at 400mm centres as layout plan and calculations supported orton internal and external load bearing walls. All multiple joists should be boiled together with m16 boils at 400mm centres, with double-sided tool plate connectors. Existing lintels taking additional loads to internal openings should be exposed to accordant and of the central neglines to their joists for prevent wisting where span exceeds 2-4m and ensure that the existing 100 x 50mm ceiling joists are securely strapped to the new floor joists where the binders are removed. Provide 100mm thick, 10 leg/m² mineral wool sound insulation to the floor structure supported on choken whe stapled to the sides of the new floor joists. Electrical cables should be fixed to the structure above the insulation to enable head dissipation. Sound insulation work to the new floor structure should extend to the full width of the property and into the caves. First floor joists to be packed off exasting wall plates by 25mm, Floor joists connections onto the hanger via joist hangers as calculation details.

Democrand gable walls:

External domer walls to be constructed in 100 x 50mm timber studwork with horizontal and vertical nogins. Provide 100mm x 50mm hasd and sole plates to all studwork construction. Domer face to be braced with 12.5mm plywood and lined with bresthable felt behind 25mm x 18mm timber batters to be braced with 12.5mm plywood and lined with bresthable felt behind 25mm x 18mm timber batters to create air volt. Provide 15mm render to 8.3. 5282 on e.m., Insulated between uprights with 80mm thick Calotex double R insulation with 25mm colotex to the internal face behind a 12.5mm plastersoard internal lining with a plaster skim. Domer checks within 1.0m of the boundary to be lined both cides with 9.5mm supplitus bearding or equivalent behind the phywood bracing. Provide allelel over the domer windows as calculator shoet 20. Provide code 4 lead fleshings and scakers to all roof abutaments. Provide 25 x 18mm batters between the render finish and the phywood to provide a verifieled all gap where appropriate as may be requested by Building Control. Alternative domer finish to be tile hanging on batters on breathable felt on plywood sheathing or hard-plank non combustible errent based cladding.

Domer flat roof

Domer roof construction of 3 layers of built up high performance hot bonded felt to 8.S. 747 or angle
ply membrane installed in accordance with the manufacturers instructions on firring pieces firred to fall
at 1:100 pitch to rear on 147 x 47mm C24 flat roof joists at 300mm centres. Provide 120mm thick
Colictor between the flat roof joists with 25mm thick celebrate to the underedde, fixed in accordance with
the manufacturers instructions. Provide plasterband tining and plaster skim to firsh. The roofing feit
should extend behind the ridge tiles to ensure weather-flight joint
Provide ridge beams and calculations supported onto 100x100mm timber posts as detail. Note
degree roof or new ridge to be no higher than the existing ridge line.

Drainage
The new shower room to connect to the new SVP to the side elevation which is to connect to the below ground drainage system. 100mm diameter UPVC below ground drainage bet and surround in shingle laid to 1:80 fall to existing foul water drainage system – a conditional approval is requested for this matter. Provide a 100mm diameter stub stack with an air admittance valve to the top sited above the flood level of the hand basin. Drainage to run between the floor joists with rodding access to the bend to the branch drain prior to the connection to the SVP.

New appliances to connect to a new 100mm Diamoter stub stack. The siting of appliances to the bathroom has yet to be agreed and is subject to clients approval. A conditional approval is requested for this matter and necessary associated below ground drainage alterations. In any case provide upve waste pipes to new appliances with 75mm deep seal traps. 35mm diameter pipe work to wash hand basin and shower. Provide reading eyes to waste bends. Proprietary 100mm diameter waste pipe to we. Entire all pipework is adequately supported and clipped to an adequate structure. Pipework to be laid to appropriate falls to the SVP. Provide redding eyes to all bends. SVP to terminate 900mm above any centing into the building. above any opening into the building

New pittered root.

Mew pittered to the front elevation is to be formed with tiles to match the existing on sw batters on breathsthe roofing felt fixed in accordance with the manufacturers instructions. Provide double rafters as trimming to the roofingths. Provide full length ratters where the hip is extended and insulation as before described.

Glazing
New external windows/rooflight to match existing and to be double-glazed to achieve a minimum. 'U'
value of 15 Wim' 'C in UPVC frames, (16mm air gap with 'soft' low-E coaling), Glazing to 'cmical
areas' to be safety glass to B.S. 6206:1981, Critical locations include any glazing within 500mm of the
floor level in windows and 1.5m of the floor level in doors.

Means of escape provision.

Install mains operated and interlinked smoke detection to each level as shown. Provide mains operated and interlinked heat detection to the kitchen. Ensure the new bedrooms are provided with means of escape windows, i.e. minimum height and width of 450mm with an overall opening area of 0.33m². Bottom of the opening is to be between 800mm and 1100mm above the finished floor level, Provide a means of escape reolight to the front elevation to bedroom 3 as shown, the bottom of the opening to be maximum 1100mm above the finished floor level.

Internal
Partitions to be 100 x 50mm treated silv studwork at 400mm centres with horizontal noggins at 1200mm centres fixed both sides with a layer of 12.5mm gyproc wallboard with all joints taped and filled prior to plastering. Insulate infernal studwork walls with 100mm fibreglass. Provide 100mm Colotox double Rt o exposed not a reas to earlie walls, to perty wall partition construction. Provide beams below parallel studwork as layout plan. Provide 40mm thermal line insulated plasterocord to the party wall line. Load bearing studwork to be braced with 12.5mm plywood to one side.

Insulation to the sloping ceilings

Provide SDmm thick Celotex insulation between the rathers with 70mm to the underside fixed to the rafters. Ensure that a minimum 50mm air gap is achieved between the rafters. Plasterboard liming and plaster skim to the underside Provide soft ventilation to the front elevations and high level tile vents to encourage cross ventilation of the sloping ceiling areas.

Construction (Design and Management) Regulations 2015 (CDM 2015) A domestic client is any individual who has construction work carried out on their home, or the home of a family member, THE CUENT WILL PASSS HIS DUTIES TO THE: The configurity, if it is a single contractor project, who must take on the legal duties of the client in additional to their own as contractor, in practice, this cheal showler levels are contractor, in practice, this cheal showler letter more than what they normally do in managing health and safety risks. The principal contractor, for projects with more than one contractor, who must take on the legal duties of the client in additional to their own as prince-pal contractor. If the domestic client has not appointed a principal contractor, the client duties must be carried out by the contractor in control of the construction when Permitted Development calculations Donner - 0.5 x (3.5 x 2.5) x 8.4 = 36.75m³ Hip extension [0.5 \times (7.5 \times 2.8) \times 3.5)/3 = 12.25 m³ Total volume = 36.75m³ + 12.25 m³ = 49 m³ Client Approval

General
All works are to be undertaken in a workmeaker.
All to be in accordance with fluiding interest and components. All to be in accordance with fluiding Regulations 2000 (to animender), No per of the substitute of super-structure should promute ever the structure of super-structure should promute ever the structure of super-structure should promute ever the works undertaken good as profiler respectible for her works undertaken good of surface respectively any appointed contractor undertaken the works under the

Electric
The existing electricity system should be extended to
the next and the second models by a qualified
electrical engineer regimend as a compactant person in
accordance with Part P of the Didding Regulations.
Installation and seat certification will need to be given to
accordance with Bar P of 1. Second models be a second to
accordance with Bar P of 1. Second and second and
positions to be agreed with the client. The new lightly
existent should be provided with 75% of fatings that our
copy take lamps having a furnishing efficiency greater than
of-harmon per forceture with.

Boiley
The careling belief is unaffected by the proposals. To be checked by a Gradel registered employer to confern adequacy for one in contention with the left convertion. Certification to be given to the Local Authority on completion and commissioning of the system. All pipe work, should be installed as processary. Provide thermostatic radiator valves to the niew radiators, portificated to the client frequents. Note belief confet and mechanical westfallion outlets must not project over the

Party Wall Act 1995
Notices shall be served on adjoining owners when the work is relevant to the Act, and a party wall surveyor appointed. See Party wall booklet.

<u>S.D.M. Regulations.</u>
The contractor shall be aware of his/her obligations and responsibilities under the Health and Safety Executive CDM Regulations and a 'planning supervisor' appointed where required.

ALL EXTERNAL FINISHES AND MATERIALS ARE TO MATCH THE EXISTING IN COLOUR, TEXTURE AND ADDEADANCE APPEARANCE

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ME HAD MES SMELLING

53 CORNAILL AVENUE

HOCKLEY

ESSEX 555 5BY

LOFT CONVERSION PLANS, SECTIONS AND ELEVATIONS

SLALES : 1:50 , 1: 100

NOV 2014

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