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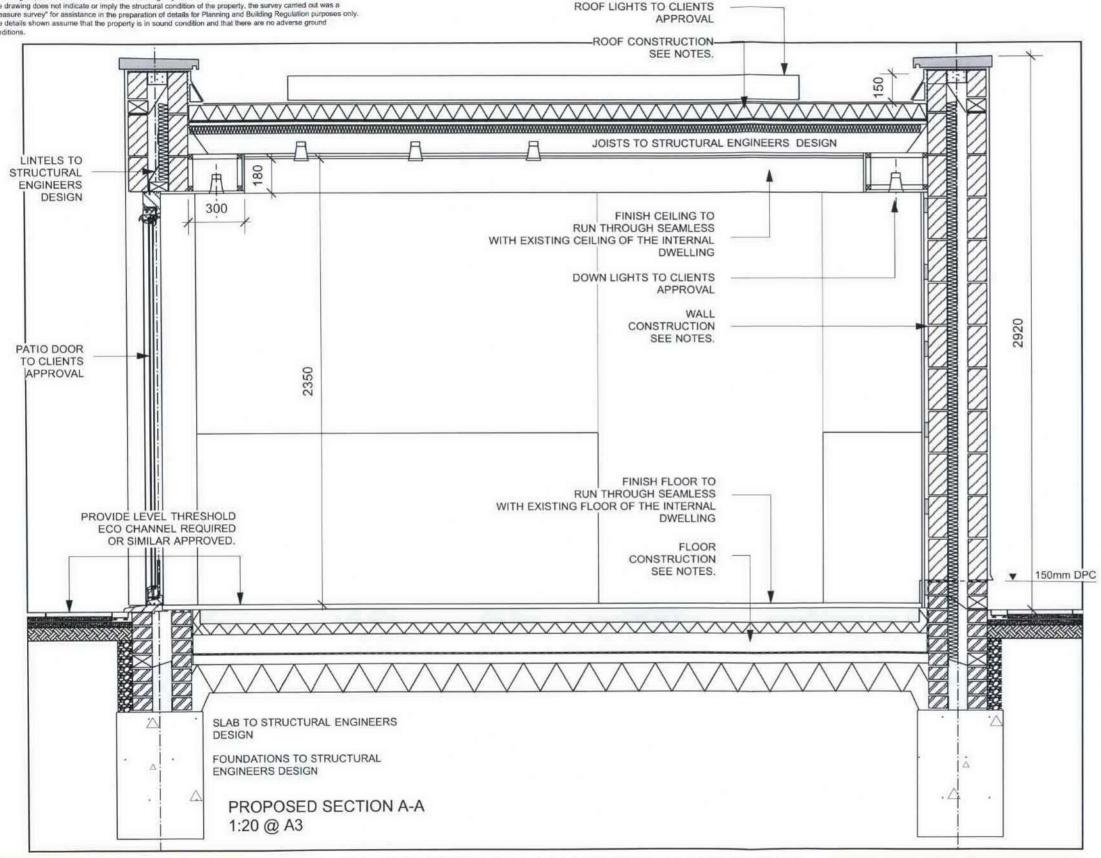
DO NOT SCALE FROM THIS DRAWING, Dimensions stated are for guidance only, contractor to verity all boundary positions and dimensions on site prior to commencing any works, making workshop drawings or obtaining any materials.

No site supervision is implied or undertaken unless otherwise separately arranged The drawing does not indicate the extent of any excavation works and the contractor is to determine this prior to

submitting a quotation for the works or commencing any works.

The drawing does not indicate or imply the structural condition of the property, the survey carried out was a "measure survey" for assistance in the preparation of details for Planning and Building Regulation purposes only. The details shown assume that the property is in sound condition and that there are no adverse ground





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PROJECT TITLE DRAWN BY SCALE DRAWING TITLE DRAWING NUMBER MINO ARCHITECTS 36 SOUTH STREET DDP 1:20 PROPOSED 48 WALTHAM ROAD ROCHEORD RAYLEIGH @A3 SECTION A-A SS4 1BQ CHECKED BY SS6 9BB DRAWING DATE REV Tel: +44 (0)1702 817292 MARCH 2017 | A Email: info@minoarchitects.com

Web: www.minoarchitects.com

ISSUED FOR PLANNING AND BUILDING REGULATION APPROVAL ONLY

MA081-05

## **BUILDING NOTES:**

CONSTRUCTION (DESIGN AND MANAGEMENT)
REGULATIONS 2015: THE ROLE OF THE CLIENT
If the works allede within these dravings, together with any oth
works to be undertaken at the same time, are to leaf longer than
30 days or are to involve more than four people the cleent has duty to comply with the above CDM Regulations and should obt information and advice from his local Health & Safety Executive (HSE). A principle designer MUST to appointed refer too http://www.hse.gov.uv/construction/cdm/2015/responsibilities.htm

## REFERENCES

- REFERENCES
  This drawing is to be read in conjunction with:

  1. The planning approval documentation and any conditions of approval.

  2. The building regulations approval documentation and any conditions of approval.

  3. The shucklass engineers details prepared by others.

DEMOLITION WORKS

Localis and make safe all services. Disconnect, seal and remove all hedundari physic, cables, condusts stc. Provide protection to all remaining services throughout contract. Remove all walls, fisture and filtings as shown, providing temporary support and briscing as required.

EXISTING STRUCTURE
All existing structure to be exposed where supporting new walls,
soors, bearms etc to determine suitability prior to commencement
of works.

JOINTS WITH EXISTING Joint between existing and new waits to be formed using Catract or similar proprietary wall connectors allowing vertical movernant only, tolled to existing wells fully in accordance with supplier's instructions. Macit seal externally and pleaser beads either side of joint internally.

## LINTELS

Carvanised prefatricated steel finite to BS 5977-Part 2, by IQ Unites Ltd or similar approved, with integral insolation. Min 150mm bearing each end, Lintal story subject to manufacturiers confirmation and Structural Engineers design.

## FOUNDATIONS - SEE STRUCTURAL ENGINEERS NOTES.

Where there are in close properly of the new foundations therepital are in the designed or accordance with the designed engagement of the structural engagement calculations. If is appropriet that the structural engagement is the structural engagement in the structural engageme

All prohibitional drawings are to be mad in conjunction with the structural allowings and inequations. Any discrepancies in an amount of the structural information in constraint of the structural information in acquisition with the exhibitional phaseings MLDT be responsed before any works on any bases place.

ALL, works are to be checked to see by the building inspection

## GROUND FLOOR CONSTRUCTION

Sterm well consultation hydrocate, followin conditionally, 2000 gauge polythese dams to the lade or her of weet limiting and appeal and nearled with wall doc, concrete allab-lated in SE demonstrations and publish leves. Demonstration with property of the property of the electronic with Scientific Rev. Period of property and electronic with Individual vertical qualitation record periodic or violation with Individual vertical qualitation record promotion and though to ground mean, a value of 0.22 which per deep a form inco. 2.1 sould is compared content resolutions and appeals form inco. 2.1 sould is compared content resolutions.

# CAVITY WALL - RENDER FINISH - 0.27W/m2K

CAVITY WALL - RENDER FINISH - 9.27W/m2X
300mm cavity wall construction to 55 5522 to comprise of
2 x100mm thick Celcon Standard blockwick or similar approved,
100mm cavity insulated with 50mm KINGSPAN cavity insulation
and 12mm plasterboard off siming and plasters size flight
internally including all reveils to opening, etc. Provide 20mm
two coal waterproof render to current BS satemally. The together
with staniess steel testad bes at 450mm certiros,
wertically and 900mm certires horizontally sel (staggered) and
increase to 22fmm certires horizontally sel (staggered) and
increase to 22fmm certires around reveals, fixed in full
accordance with the manufacturer instructions. Install
expansion joints as directed by the block manufacturer.
Insulation to be installed in full accordance with the
manufacturer's instructions, giving a maximum "U" value of
0.27W/m2K.

# DAMP PROOF COURSES

DAMP PROOF COURSES
Hylicad 2 DPC (min 150mm above ground level, 110mm wide unless indicated otherwise, all points iapped min 100mm and lapped with DPM. Hylicad 2 Carelly tary DPC to all fillrishs and all abutiments with lead fleating externally. Ends of lary DPC to now water sloop formed by footing owly tray. Trimitop plastic perper, weepholes at 900mm centres horizontally, min 2 to any stepped DPC crun. Cathic Trays 14d, type 3 cavity closers incorporating damp proofing to be used at all jambs.

VENTILATION - EXTRACTORS
All extract fars to be of the revierable type. Vent Axia' or similar approved and suitably weatherproofled. Allow for all necessary ceiling grillen, ducheole, external terminals, flashings, upstands.

All internal rooms to have mechanical ventilation as follows: Tollets: 15 litres per minute with 15 minute overrun; Kitchies 300s with 15 minute overrun; Kitchies 300s when adjacent to hoc or 600s elsewhere. Utility: 300s. NOTE: All internet doors to be provided with a 15mm gap

ELECTRICAL - GENERAL:

1. All electrical words to be carried out by all approved Part P installer or checked by an approved Part P installer and certification issued to Sudding Control upon compelion.

2. Electrical Contractor to allow for 'efficient lighting' to all new parts of the control of the contro ocations; (Fixed lighting only capable of taking lamps with a uminous efficacy greater than 40 lumens per circuit-watt).

FIRE ALARM

Smoke detectors to be provided in locations indicated (SDI).

Smoke detectors to be interconnected and mains operated with
a battery beck-up. System to conform to BSSB39: PLS and be nstalled by a qualified engineer.

# PLUMBING CONTRACTOR

All pipework is to be insulated in accordance with the recommendations of 955422. 2001 by the Plumbing Contractor. 2. All new relations to be time with TRVs.
 New Proposed boiler location to be agreed by Client.
 NOTE: All water fittings are to comply with the Waler Supply (Water Fittings) Regulations 1999.

# FLASHING DETAILS Provide code 4 lead flas

asing upstand min 150mm, with svily tray flashing installed to external wall constr.

STEEL - 1 HOUR FIRE PROTECTION
All new sleenwork which supports wide, floors and other elements of structure (not roofs), to be coated with "Nutlitin" or similar influencent coating 58 202, Part 2 to give 1 hour five resistance. Coating to be applied fully in accordance with manufacturer's recommendations onto clean, prepared and primed surfaces.

## SAFETY QUAZING / LOW F QUARS

SAFETY GLAZING / LOW E GLASS Glazing in critical locations to be taminated or toughened glass to 88 5209:1991. Chitical flocations include all doors, windows and glazed paniels within 300mm of opening doors and within 1.5m of floor, and any glazing within 800mm of floor. Where paines are smaller than 250mm in one direction, and have an area of less than 0.5sqm, then 6mm annealed glass is to be used with glazing beads.

used with glazeng beads.

EXTERNAL DOORS AND WINDOWS -1.6Wim2X
UPVC external doors and windows to match existing style with sealed unit double glazed units throughpoil to scrive or the control of the c

# CONTINUITY OF INSULATION AND AIRTIGHTNESS

The construction details provided show continuous insulation, together with air barriers enclosing the whole building, but might not cover every conscisuable junction and/or construction situation. The main contractor must therefore ensure that the insulation and are better is contracted that therefore ensure that the insulation and are better is continuous, with no cold bridging elements or through fixings other than as shown in the construction details. Further design information will be provided on request, if required.

## RAINWATER GOODS

## PARTITIONS - BLOCKWORK

titi minutes fire resistance) terrus: topfock hemister standard aggregate block 100 s 440 s 215 (7.3n/mm2) c/w single layer 12.5mm this gyproc wallboard both sides, slow 5. coated : refer structural engineer specification

PLASTERBOARD AND SKIM CEILING 15mm plashirtoard to BS 1230 Part 1 with filled and taped joints, with 3mm plaster skim finish, 50x50mm noggins provided to all joints and agenital permeter walls.

WALLPLATES
100x75mm SW wallplale bedded level in mortar with half lapped joints and tied to waits with 30x2.5xi600mm Cathic or similar patvaniaed metal restraint straps @ max 1200mm cic.

FLAT ROOF CONSTRUCTION - 8.18W/m2X
Construct new that roof with Single Ply Maristrane by samafil or aimilar approved menufacturer and thad fully in accordance with manufacturers instructions and recommendations, on 60mm Celotex EL3000 fully bonders on VCL to RSR2ZH.2005 (filted hully in accordance with Celotex instructions and recommendations) on 19mm WBP on softwood firings to fell min. 1 - 9.40 on new CTE grade flat not joints at 400mm centres (size of joints as noted on the drawing), supported by rind steel hangers both ends or as otherwise stated on this drawing in the fundamental with 12mm foil belief by the state of the undersade with 12mm foil belief by the WmZk. Provide firits All State State of the Sta uncersate with Jamin to becaute prenentours a peaser series. All occines a U value of max 0.16 Wim2x. Provide lateral restraint straps fixed to josts and taken down internal face of blockwork and screwed at max. 1.8m c/c with 1200x32x6mm mild steel straps.

# LATERAL RESTRAINTS

LATERAL ROSTRAINTS
Joils parallel to external wall restrained with 30x5mm gelvanised stated starpe at max 20mm centres; natied to joists with 75x50mm noggins between these and packing next to wall.
Straps turned down min 100mm into cavity, tight against face of inner blockwish to Structural registers design.

DRAINS - INSPECTION CHAMBERS - Mail 1000mm deep 450mm Dia circular Hierworth or Terrain' polypropylene access chambers, bedded and surrounded with selected bacifill. Encase with mist 150mm concrete within 300mm of ground level (allowing for ground finishes) to paved areas. Standard dutiel ieno cover be used in pedestrain areas only. Cast iron cover and harne, with min 225/225 concrete support collar provided for traffic loads. All installed fully in accordance with manufacturer's recommendations.

# DRAINS - BELOW GROUND

ORAINS - BELOW OROUND

Hapworth PlaniDrain' pipes with flexible joints filted fully int accordance with menufacturers instructions and recommendations. Generally besided and surrounded with selected excessed material, but Class Figranular bedding of form nominal sized pee antique required under roads and paint or when selected material is not suitable, and Class Zionneels surround required under buildings and when pipe is within 300mm of finished ground level. 100mmS drains laid to fall 1 in 40 or as specified elsewhere on drawing. Rocker pipe arrangements to be made where drains are built into tiruchnes.

# PLUMBING - SOIL VENT PIPES

Osmo 100em/8 PVC-U soil vent pipes, including ship stacks, with access palaise at all junctions, change in direction and 150mm above finished ground floor level. SVPs to terminate at 160mm above finished ground floor level. SVPs to terminate at 160m vents where possible. Provide fall weatherpropring of external terminats with all necessary flashings, etc. Automatic air admittance svalves (AAVIs), where specified, filled with manufacturer's insulating cover to ensure operation in treating conditions. Enclare SVPs in 12.5mm Gyprop plasterboard on 50x50mm; SW framing 6 wrap with glypno; 1000 mineral three quill, with 12mm plywood access pariets for all cleaning access points, All SVPs to imminate a minimum of 900mm above any reservice within the. opering within 3m.

PLUMBING - WASTE PIPES
All plambring to BISS572, 1978 and BISS481; 1977, All fittings to connect to washes via. 75mm them seel anti-syphon fraps. Waste sizes to beWASTE SIZES to beW.C.S. - 100mm/2, Sinks/WHS > 32mm/3, Washing machine/Dishwasher - 38mm/3 low kere fundash. All waste connections to SVP's to be min 21fmm from WC branch, connections. Rodding access to be provided at all bends, with appropriate

access hatches in any aurrounding boxing