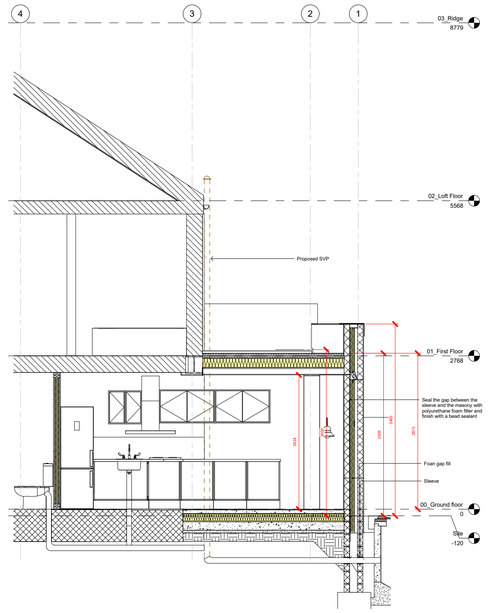
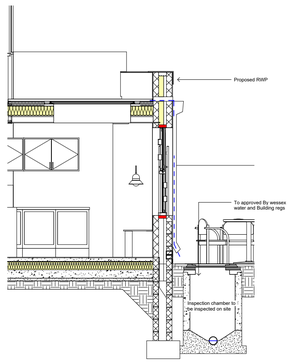


Floor Drainage (A)

1 : 25 @A1 1:50 @A3



Roof Drainage Section (B)

1 : 25 @A1 1:50 @A3

Key Point

- Gas
- Electrics
- Foul
- Surface water

Party Wall Etc Act 1996
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Listed Building Consent
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Drainage
All drainage is subject to Utility approval and must be in accordance with Building Regulations and all relevant standards. Accuracy of drainage locations cannot be confirmed and may require further investigation on site.

All manufacturers installation requirements are to be adhered to.
All masonry works, workmanship, propping etc. to be in accordance with B.S.5628.

All waste materials to be disposed of in accordance with current legislation and local authority guidance.

All steels covered with two layers of 12.5mm board to give 60 minutes fire protection.

Cavity fire stops to be installed to meet part B.
This drawing is to be read in accordance with approved planning and level drawings, care must be taken to ensure that any other expert advise from structural engineer etc is read in conjunction with this drawing.

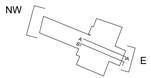
Ensure all blockwork returns have an insulated DPC.
Responsibility is not accepted for errors made by others scaling from this drawing.

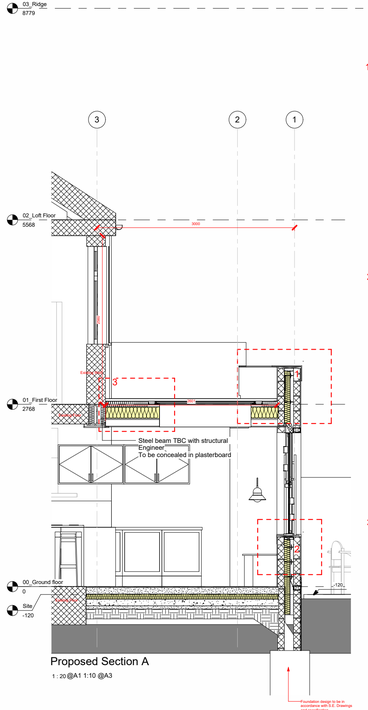
All discrepancies should be reported to Studio Yaqub Limited.

REFER TO STRUCTURAL ENGINEERS DRAWING / SPECIFICATIONS

Safety Notes:
1. Ensure adequate supervision of site plant and provide competent banksman.
2. Provide suitable protection and make provision for adequate site traffic management and access onto main highways.
3. Ensure that the right and workplace is secured at all times and that access to the site is for authorised personnel only.
4. Ensure that all working height restrictions in vicinity of any overhead services are complied with and that lifting steels and joists are performed in conjunction with safety guidance.
5. Ensure that where applicable all PPE is used.
6. Ensure that working safely from height guidelines are followed.
Safety Design considerations
6a. Self Cleaning Glass to be used on skylight to reduce maintenance.
6b. Safety Glass to be used in all low level windows/doors.
6c. Ensure consumer unit is at accessible height.

Key Plan





Proposed Section A

1 : 20 @A1 1:10 @A3

1 Flat Roof Build Up:
Rock wool Insulation U-Value Calculator
IN:
Gypsum plastering (1300) (3 mm)Standard
Wallboard Plasterboard (12.5 mm)
Unventilated air layer (100 mm)
Plywood [500 kg/m3] (18 mm)
Polyethylene/polythene, low density 0.15 mm (0.15 mm)
HARDROCK® Multi-Fix (DD) (85 mm + 150 mm)
Ethylene propylene diene monomer [EPDM] (1.8 mm)

Calculated 'U' value = 0.15W/m²K
To Be Confirmed By Structural Engineer

2

Proposed External wall build-up:
Min U-Value: 0.18 W/m².K

IN:
- Acoustic or fire resistant plasterboard (12.5 mm)
- Dense Blockwork (1.13W/mk) - 100 mm
- Cavity - 50 mm clear residual cavity
-90 mm insulation,Ecotherm
- Blockwork - 100 mm
-Render
OUT:

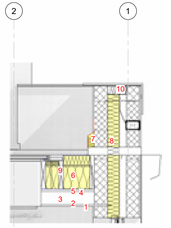
Calculated 'U' value = 0.18W/m²K
To Be Confirmed By Structural Engineer

3 See SE Details and Specification

Concrete Floor build-up:
Min U-Value: 0.18 W/m².K

Floor finish confirmed by client-12.5mm
Concrete - 65 mm
Polythene Separation layer
Rockwool-150 mm
Polythene Separation layer
Floor Slab CONCRETE 1:2:4 2000 kg/m³ 150 mm
Polythene Separation layer
Sand - 50 mm
Gravel - 150 mm
Earth

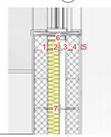
Calculated 'U' value = 0.18W/m²K
To Be Confirmed By Structural Engineer



1 Gypsum plastering (1300) (3 mm)
2 Standard Wallboard Plasterboard (12.5 mm)
3 Unventilated air layer (100 mm)
4 Plywood [500 kg/m3] (18 mm)
5 Polyethylene/polythene, low density 0.15 mm (0.15 mm)
6 HARDROCK® Multi-Fix (DD) (85 mm + 150 mm)
Insulated upstand with water proof membrane lapped over. upstand min 300mm above base of horizontal insulation
7 Gutter
8 Timber Truss
9 Insulate cavity closer 30 minutes fire resistance

(1)Proposed Roof and Parrapet Detail

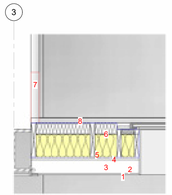
1 : 10 @A1 1:100 @A3



1 Dense Blockwork (1.13W/mk) - 100 mm
2 Cavity- 50 mm clear residual cavity
3 90 mm insulation Ecotherm
4 Blockwork - 100 mm
5 Render to match existing 3.3mm
6 Insulate cavity closer 30 minutes fire resistance
7 Wall tie 900 horizontal and 450 vertical

(2)Proposed Wall Detail

1 : 10 @A1 1:20 @A3

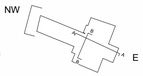


1 Gypsum plastering (1300) (3 mm)
2 Standard Wallboard Plasterboard (12.5 mm)
3 Unventilated air layer (100 mm)
4 Plywood [500 kg/m3] (18 mm)
5 Polyethylene/polythene, low density 0.15 mm (0.15 mm)
6 HARDROCK® Multi-Fix (DD) (85 mm + 150 mm)
7 Flashing
8 Ethylene propylene diene monomer [EPDM] (1.8 mm)

(3)Proposed Roof to wall connection

1 : 10 @A1 1:20 @A3

Key Plan



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