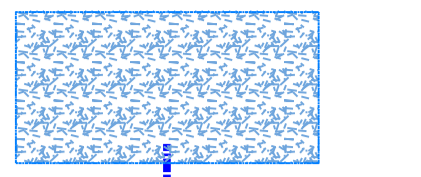
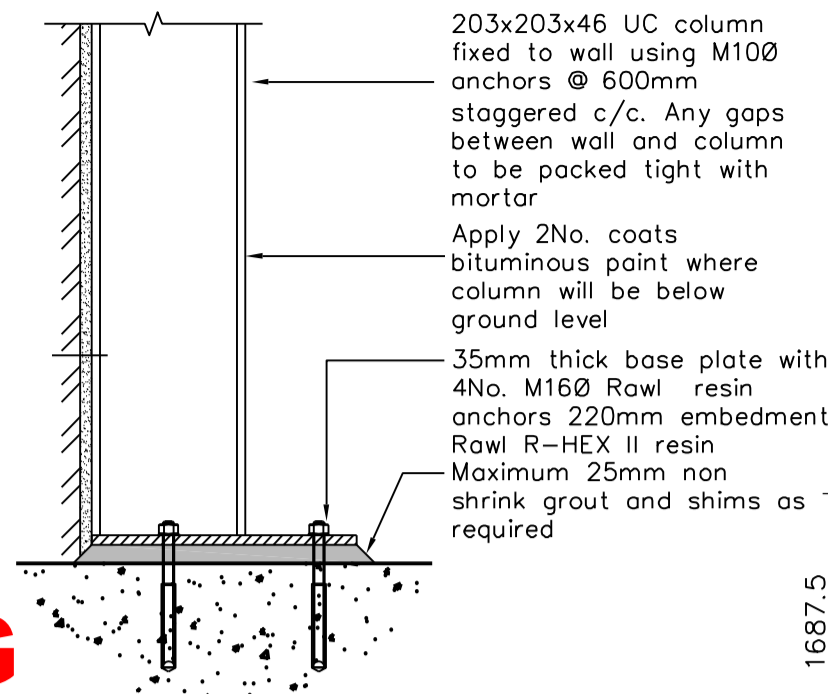


Concrete Encased Beam Detail (Scale 1:10)

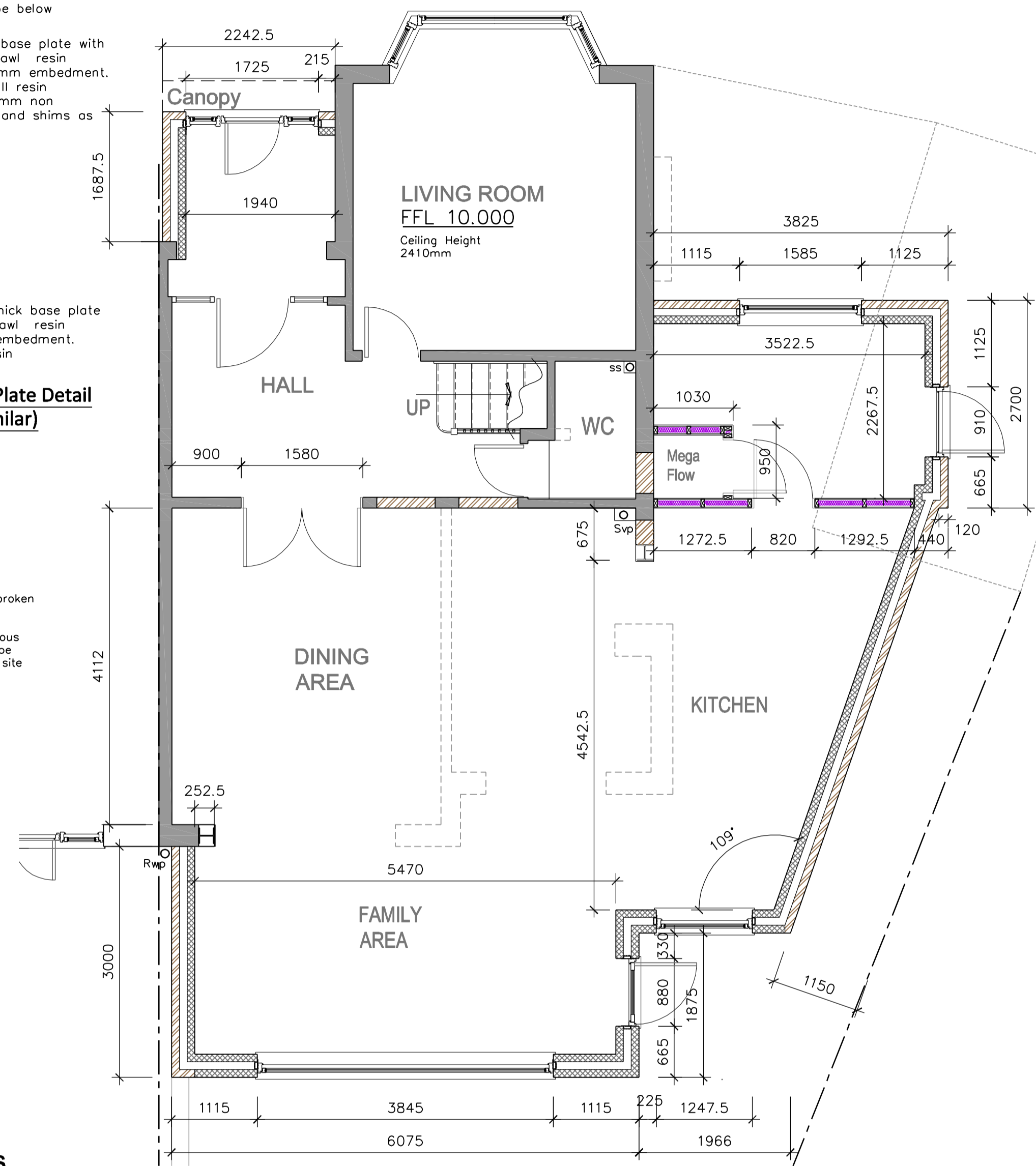


SAMPLE DRAWING



C01: 203 UC 46 Cap Plate Detail (Scale 1:10)

PROPOSED GROUND FLOOR CARCASSING PLAN.



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ALL SIZES OF STRUCTURAL COMPONENTS ARE TO BE VERIFIED BY A STRUCTURAL ENGINEER.

ELECTRICAL INSTALLATION OR MODIFICATIONS, MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE LATEST EDITIONS OF THE RELEVANT BRITISH STANDARDS AND C OF PS AND ARE TO BE IN ACCORDANCE WITH GOOD BUILDING PRACTICE AND SUITABLE FOR PURPOSES OF THE WORKS. IN ADDITION THEY MUST COMPLY WITH THE 17TH EDITION OF THE IEE REGULATIONS INCLUDING AMENDMENTS 1 & 2, THE LOCAL ELECTRICITY SUPPLY AUTHORITY, BRITISH TELECOM, THE BUILDING REGULATIONS LATEST AMENDMENTS.

PLEASE NOTE ELECTRICAL CONTRACTORS MUST BE MEMBERS OF THE NATIONAL INSPECTION COUNCIL FOR ELECTRICAL INSTALLATION & CONTRACTING (NICEIC) & THE ELECTRICAL CONTRACTORS ASSOCIATION.

MECHANICAL INSTALLATION OR MODIFICATION, INCLUDING HEATING & HOT AND COLD WATER AND VENTILATION SERVICES TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CIBSE GUIDE AS PRODUCED BY THE CHARTERED INSTITUTE OF BUILDING SERVICES ENGINEERS & TO CURRENT BS SPECIFICATION. IN ADDITION THEY MUST COMPLY WITH THE LOCAL WATER COMPANY BYELAWS, THE CIBSE GUIDE AND C OF PS, THE LATEST EDITION OF THE BUILDING REGULATION APPROVED DOCUMENTS AND ALL NATIONAL AND LOCAL REGULATIONS.

ALL WORKS ARE TO COMPLY WITH THE LATEST REVISION OF THE BRITISH STANDARDS.

THE CLIENT OR APPOINTING AGENT SHOULD ADVISE OF ANY KNOWN BURIED SERVICES AND DRAINAGE LOCATION OR RESTRICTIVE COVENANTS.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL PLAN DRAWINGS & DOCUMENTS RELATING TO THE WORKS. DO NOT SCALE FROM THIS DRAWING, EXCEPT FOR PLANNING PURPOSES.

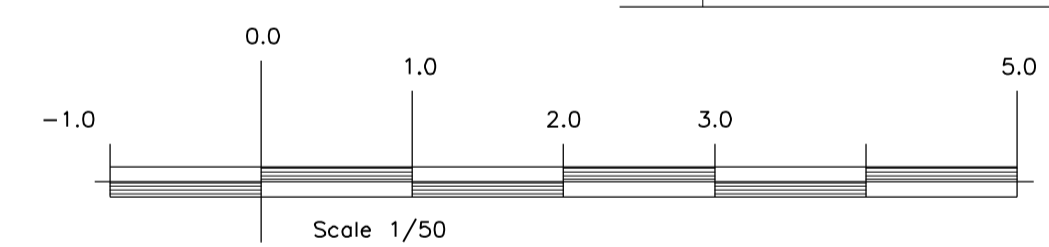
CDM Regulations 2015 : Designers' Notes on Significant Residual Risks

1.

These notes relate solely to information shown on this drawing. Only significant risks which are considered to be unusual, or unlikely to be obvious to a competent contractor or other designer will be highlighted. This information may be subject to revision as the design develops.

VERIFICATION STATUS	Verified by	Date
INFO/DESIGN		
PLANNING		
BUILDING CONTROL		
CONSTRUCTION		

No	Revision	Date	Drn	Chkd



SAMPLE DRAWING



EAGLE DESIGN + BUILD LTD

Proposed Side, Rear & Loft Extensions

Project Title: Proposed Ground floor Carcassing And Foundation & Drainage Plans

Scale: 1/50

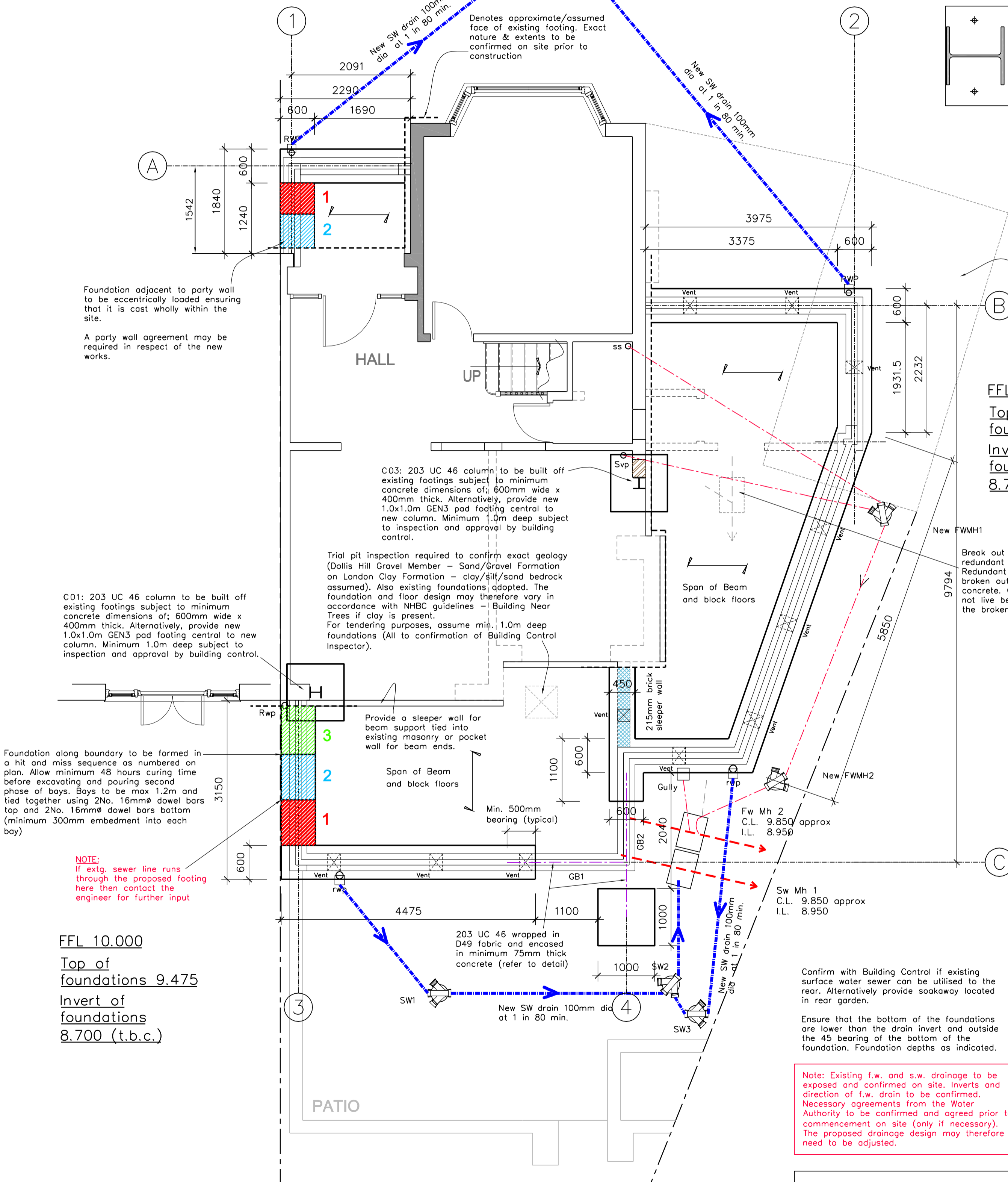
Date: _____

Drawn by: _____

Checked: _____

File: _____

PROPOSED FOUNDATION & DRAINAGE PLAN.



General Notes

- Locate existing foul & surface water drains and confirm all details prior to work commencement. Clearly soakaway will be suitable for surface water drainage through percolation testing to frontage and that existing surface water sewer can be utilised to rear.
- Exact drainage arrangements to be confirmed on site and approved by Building Control Inspector.
- Soakway to be min. 5m from any building or structure, constructed with broken brick hardcore and bedded and surrounded with 100mm pea shingle and capped with polythene membrane as BRE digest 365.
- New 68mm down pipes to new s.w. drains bedded & surrounded in pea shingle min. gradient 1:80 to discharge into soakway.
- New rainwater downpipes to discharge into plastic access gullies with hinged metal grids such as Hepworth SG3/1 & 1H1. See construction manual for specifications.
- First floor rws' discharging on to lower roofs to be provided with shoe.
- New 100mm upvc flexi jointed f.w. drains min. gradient 1:60 to new/existing manholes. Prestressed lintel over drains passing through wall.
- Relocate existing s/w internally for first and second floor wastes and re-connect drain to new FWMH1 outside of extension.
- Drains with less than 600mm cover below ground level and within building surrounded with lean mix concrete. Concrete stopped short of joints & flexcell board fitted.
- Make good external works and existing drainage as required and to the clients details.
- Where new foundation is to be constructed against existing, underpin locally where necessary. Break out/existing garage foundations as necessary to engineers advice.
- Minimum depth of foundations to be 1000mm, final depth to be confirmed after trial pit inspection and subsequently by Building Control and the structural engineer if clay soil is identified relative to nearby trees to NHBC standards, adopting Claymaster to internal face to within 500mm from foundation bearing if required.

Note: Existing f.w. and s.w. drainage to be exposed and confirmed on site. Inverts and direction of f.w. drain to be confirmed. Necessary agreements from the Water Authority to be confirmed and agreed prior to commencement on site (only if necessary). The proposed drainage design may therefore need to be adjusted.

NOTE: Allow for minimum foundation depth of 1.0m at this stage, final depths to be confirmed following confirmation of extg. tree species & location

C01: 203 UC 46 column to be built off existing footings subject to minimum concrete dimensions of; 600mm wide x 400mm thick. Alternatively, provide new 1.0x1.0m GEN3 pod footing central to new column. Minimum 1.0m deep subject to inspection and approval by building control.

Trial pit inspection required to confirm exact geology (Dollis Hill Gravel Member - Sand/Gravel Formation on London Clay Formation - clay/silt/sand bedrock assumed). Also existing foundations adopted. The foundation and floor design may therefore vary in accordance with NHBC guidelines - Building Near Trees if clay is present. For tendering purposes, assume min. 1.0m deep foundations (All to confirmation of Building Control Inspector).

C03: 203 UC 46 column to be built off existing footings subject to minimum concrete dimensions of; 600mm wide x 400mm thick. Alternatively, provide new 1.0x1.0m GEN3 pod footing central to new column. Minimum 1.0m deep subject to inspection and approval by building control.

Foundation along boundary to be formed in a hit and miss sequence as numbered on plan. Allow minimum 48 hours curing time before excavating and pouring second phase of boys. Boys to be max 1.2m and tied together using 2No. 16mm dowel bars top and 2No. 16mm dowel bars bottom (minimum 300mm embedment into each boy)

NOTE: If extg. sewer line runs through the proposed footing here then contact the engineer for further input

FFL 10.000
Top of foundations 9.475
Invert of foundations 8.700 (t.b.c.)