

! CDM 2015 - RESIDUAL RISKS !

In preparing the designs illustrated by this drawing we have fulfilled our duties in the role of Designer as defined in the Construction Design and Management Regulations 2015. We have undertaken a full Hazard Identification and Risk Analysis and have designed out any special risks associated with the work, so that as far as possible there are no residual risks.

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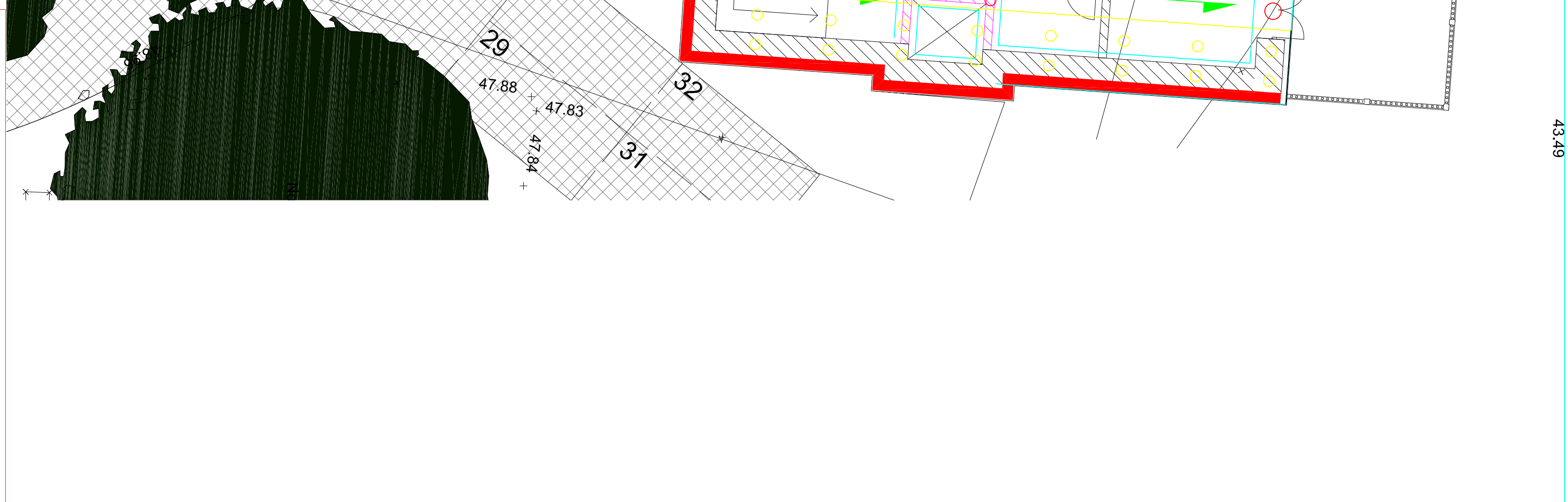
NOTE: Residual risks are defined as those risks arising from identified hazards which cannot be designed-out, and which a competent and experienced building contractor is unlikely to encounter during normal construction activities. Ordinary risks arising from normal construction operations have not been included.

Where hazards have been identified, the risks from which it has not been possible to eliminate during the design process, these are indicated on the drawing. It will be the responsibility of the Principal Contractor to develop Safe Systems of Work and/or Method Statements to minimise any risks associated with such hazards.

NOTES

1. Foundation drawing is to be read in conjunction with all Architects drawings and specifications. Also geotechnical letter report by Ground and Water dated September 2021
2. All dimensions are in millimetres unless noted otherwise.
3. The Contractor is responsible for setting out and for checking dimensions.

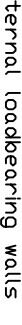
4. All concrete shall be to BS EN 206-1 or BS 8500-1 and is to be resistant to sulphates Class DS-1. Reinforced Foundations: Designated mix RC35 nominal 20mm Max. size aggregate.
5. Binding and mass concrete fill Designated mix GEN 1 20mm nominal Max. size aggregate. All basement concrete to be Xypex waterproof concrete to architect's details.
6. Foundation design has been based on nett bearing capacity of 150 kN/m² in chalk. All sort spots are to be dug out and filled with mass concrete.
7. Excavations are to be kept clear of water at all times.
8. All Foundation excavations are to be approved by the Building Inspector prior to concreting.
9. The position of all construction joints are to be agreed with the Engineer. Construction joints in trench fill or strip foundations shall be formed with expanded metal lath.
10. In accordance with The Construction (Design and Management) Regulations 2015 (CDM 2015) the Principal Designer and Contractor are to:-
 - Notify HSE of works
 - Comply with the requirements of Health and Safety Plan (if applicable)
 - Provide risk assessments and method statements for all potential hazards relevant to this project.
11. The drawings has been prepared from drawings supplied by the Architect, therefore, the contractor must take accurate dimensions on site and be satisfied by all dimensions prior to setting out.
12. All piles to be 450 dia CFA piles with safe working loads as indicated in table in due course. Depths to be confirmed by the Piling Contractor. The Contractor to design the Piles using the borehole records available. Pile design to be approved by Engineer prior to pile installation.
13. All piling works are to be in accordance with 'Piling Model Procedures and Specifications' published by the Institution of Civil Engineers.
14. Concrete grade for piles to be provided by pile designer.
15. All piles to be cast a minimum of 150mm above cut off level and subsequently cut back by the Main Contractor.
16. The Piling Contractor shall supply for approval by Engineer all relevant details of the method of piling and the plant he proposes to use in relation to notes below.
17. Pile reinforcement to be determined by Piling Contractor.
18. Final design of piles is by the Piling Specialist. Static calculations are to be provided to the Engineer for approval before construction.
19. Factor of Safety is to be 3.0 on all piles.



KEY

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| <p>Span direction of 150mm 4thk hollowcore slab ground floor designed by supplier as = 30kN/m²</p> <p>Live load rooms = 20kN/m²</p> |  |
| <p>Span direction of 150mm 4thk hollowcore slab 1st & 2nd floors (designed by supplier) as = 30kN/m²</p> <p>Live load rooms = 20kN/m²</p> |  |
| <p>Span direction of 150mm 4thk hollowcore slab roof (Designed by supplier)</p> <p>Live load = 0.75kN/m²</p> |  |
| <p>External wall pile and ground beams 1050x600mm deep</p> <p>Internal wall pile and ground beams at approx. 25m ctrs and ground beams 750x600mm deep</p> <p>Piled retaining wall pile locations at approx.20m ctrs</p> <p>300mmw piles</p> | 

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| <p>Temporary works contiguous piled wall near existing foundations</p> <p>Design of retaining wall and cts. Design TBC as noted below</p> <p>Note: All pile depths and together to be confirmed after detailed site soil investigation have been carried out</p> | 

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| <p>Steel support beams</p> | 
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