

NOTES

GENERAL

1. THE DRAWING IS COPYRIGHT © F&A TASTIGSON LTD.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
3. ALL LETTERS RELATE TO ORDINANCE SURVEY UNLESS NOTED OTHERWISE.
4. ALL LEVELS RELATE TO ORDINANCE SURVEY UNLESS NOTED OTHERWISE.
5. WORK TO BE CROUCHED AND MEASURED TO THE DIMENSIONS OF THE CROUCHED STATE.
6. THE DRAWING IS NOT INTENDED TO BE A SCAFFOLD.
7. THE DRAWING IS FOR REASON CONNECTION WITH ALL RELEVANT ARCHITECTS, REPORTED WORKS CONNECTION AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
8. ALL TEMPORARY WORKS TO BUILDING CONTRACTORS DESIGN AND DETAILS UNDO.
9. ALL PERM. PUMPED FINISHES, RADON PROTECTION TO ARCHITECTS SPECIFICATION AND DETAILS.

FOUNDATIONS

1. THE BASE SPECIFICATION FOR FOUNDATION WORKS SHALL BE BS 804 BRITISH STANDARD CODE OF PRACTICE FOR FOUNDATIONS.
2. FOR DETAILS OF GROUND CONDITIONS REFER TO THE RELEVANT GROUND INVESTIGATION REPORT.
3. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY VARIATIONS TO THE REPORTED GROUND CONDITIONS.
4. THE FOUNDATIONS TO BE CONSTRUCTED IMMEDIATELY FOLLOWING FOUNDATIONS SHALL BE CONSTRUCTED IMMEDIATELY FOLLOWING FOUNDATIONS.
5. ALL OBSTRUCTIONS TO THE FOUNDATIONS DESIGN SHALL BE REMOVED FOR THE START OF THE FOUNDATION WORKS AND BACKFILLED TO THE APPROVAL OF THE ENGINEER.
6. BEFORE CONCRETING, COMPACTION LEVEL BE INSPECTED AND APPROVED BY THE ENGINEER.
7. TOP OF FOUNDATION LEVEL TO BE AS NOTED ON THE DRAWING.
8. THE BUILDING GROUND LEVEL SHALL NOT BE REDUCED AS PART OF THE DESIGNED FOUNDATION DEPTH AS NOTED ON THE DRAWINGS.
9. EROSION PROTECTION BY NOTED ON THE DRAWINGS.
10. FOUNDATION SHALL BE CONSIDERED ON THE BASIS OF THE GROUND INVESTIGATION REPORT AND AN OVERSTRESS ANALYSIS.
11. TO BE IN USE AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
12. ALL CONSTRUCTION TO BE CARRIED OUT IN ACCORDANCE WITH THE '01' SPECIFICATION.
13. FOUNDATION DESIGNED FOR AN ALLOWABLE GROUND BEARING PRESSURE OF 75 kN/m².
14. CONCRETE TO BE GRADE RC20/25 AND WATERPROOF.
15. TYPICAL.

REINFORCED CONCRETE

- | | |
|----|---|
| 1. | THE BASE SPECIFICATION FOR REINFORCED CONCRETE WORKS SHALL BE 8110 |
| 2. | STRUCTURAL USE OF CONCRETE |
| 3. | 2. ALL REINFORCEMENT IS SCHEDULED IN ACCORDANCE WITH BS 8666 UNLESS NOTED OTHERWISE |
| 4. | 3. ALL SETTING OUT REQUIREMENTS ARE DETAILED ON DRAWING NO. 07 UNLESS NOTED OTHERWISE |
| 5. | 4. ALL REINFORCEMENT IS INDICATED ON THIS DRAWING |
| 6. | 5. MINIMUM COVER TO REINFORCEMENT TO BE AS FOLLOWS UNLESS NOTED OTHERWISE: RAFT 30mm (1) 35mm (8) |
| 7. | 6. MINIMUM LAPS TO REINFORCEMENT TO BE NOT LESS THAN 40 UNLESS NOTED OTHERWISE |
| 7. | 7. ABBREVIATIONS: T - 100° |

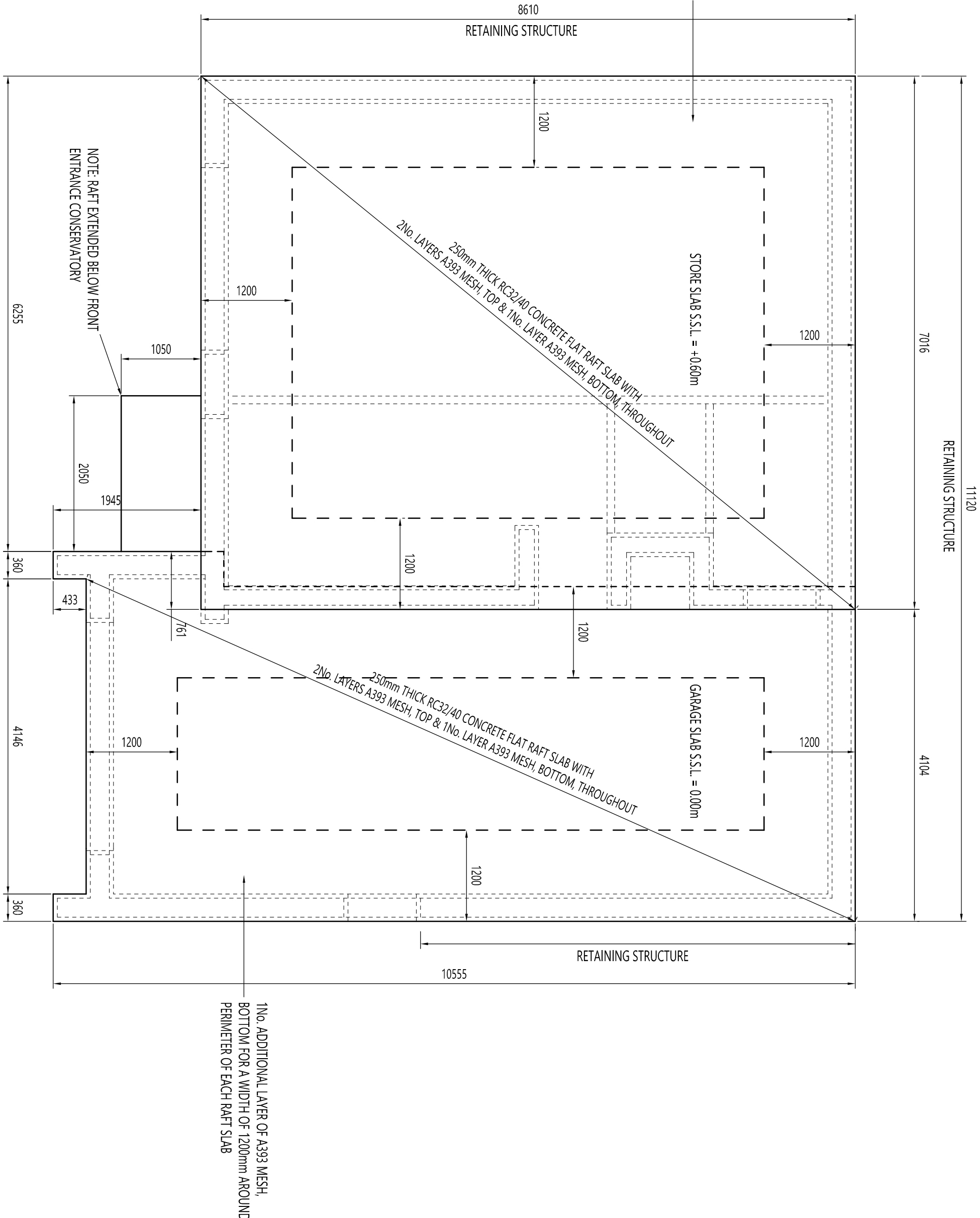
8. BOTTOM
9. LOCATION OF DOWNGRADE JOINTS TO BE CARRIED WITH THE ENGINEER PRIOR TO CONCRETE CASTING.
10. CONCRETE CASTING OF THE WORKS ON SITE.
11. ALL COMBINATION WAX, CARPENTERS AND THE CORE TESTING PROGRAMME SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF THE WORKS ON SITE.
12. CONCRETE REINFORCEMENT STEEL TO BE GRADE 800 IN ACCORDANCE WITH BS4446 PART 5, BS 5446 PART 5.
13. REINFORCEMENT TO BE FREE FROM PAINT, GREASE, OIL, SLUDGE, EXCESSIVE RUST PRIOR TO PLACING CONCRETE.
14. CASTING HOLES & JUMP HOLES THROUGH CONCRETE SLAB TO BE FORMED PRIOR TO CASTING CONCRETE.
15. SAVING HOLES & JUMP HOLES WILL NOT BE PERMITTED ONCE SLABS ARE CAST.
16. CONCRECTOR MUST POUR AND FINISH ALL SECTIONS OF SLAB FOUNDATION IN PHASES OF 1500MM MAXIMUM WIDTH.
17. ELEVATION WATER

INSULATED FLAT RAFT LAYOUT

NOTE: ALL SERVICE ENTRY & SVP LOCATIONS
TO BE CO-ORDINATED WITH ARCHITECT
LAYOUT DRAWINGS.

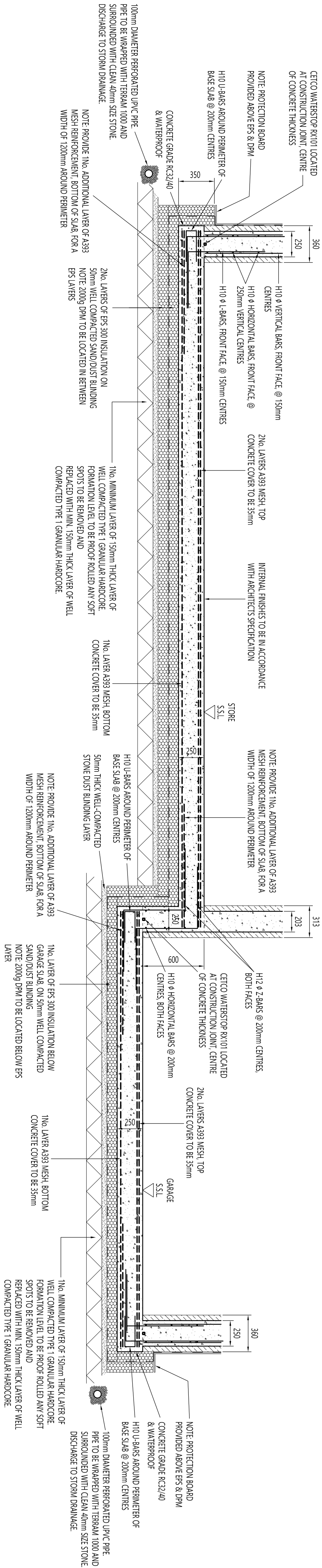
(SCALE 1:50)

NOTE: ALL SETTING OUT OF ICE WALLS AND INTERNAL WALLS TO BE IN ACCORDANCE WITH ARCHITECT LAYOUT DRAWINGS.



TYPICAL INSULATED RAFT FOUNDATION SECTION DETAIL

(SCALE 1:25)



drawing title

INSULATED FLAT RAFT GENERAL ARRANGEMENT

PLOT 5 ADJACENT
99 NEATH ROAD, RESOLVEN

GWYN PHILLIPS

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B	RETAINING WALL STEM RELOCATED BY 55mm.	AR	02/10/2019
A	RETAINING WALL STEM INCREASED TO 250mm.	AR	23/09/2019
REV.	DESCRIPTION	BY	DATE

FAR Structures Ltd
Consulting Structural Engineers

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drawn	chd	scale	date
AR	AR	1:50:1.25 @A1	SEPT 2019

Preliminary Tender construction	Job No.	Drawing No	Rev
☐ ☐ ☒	19060	01	B

NOTES

GENERAL

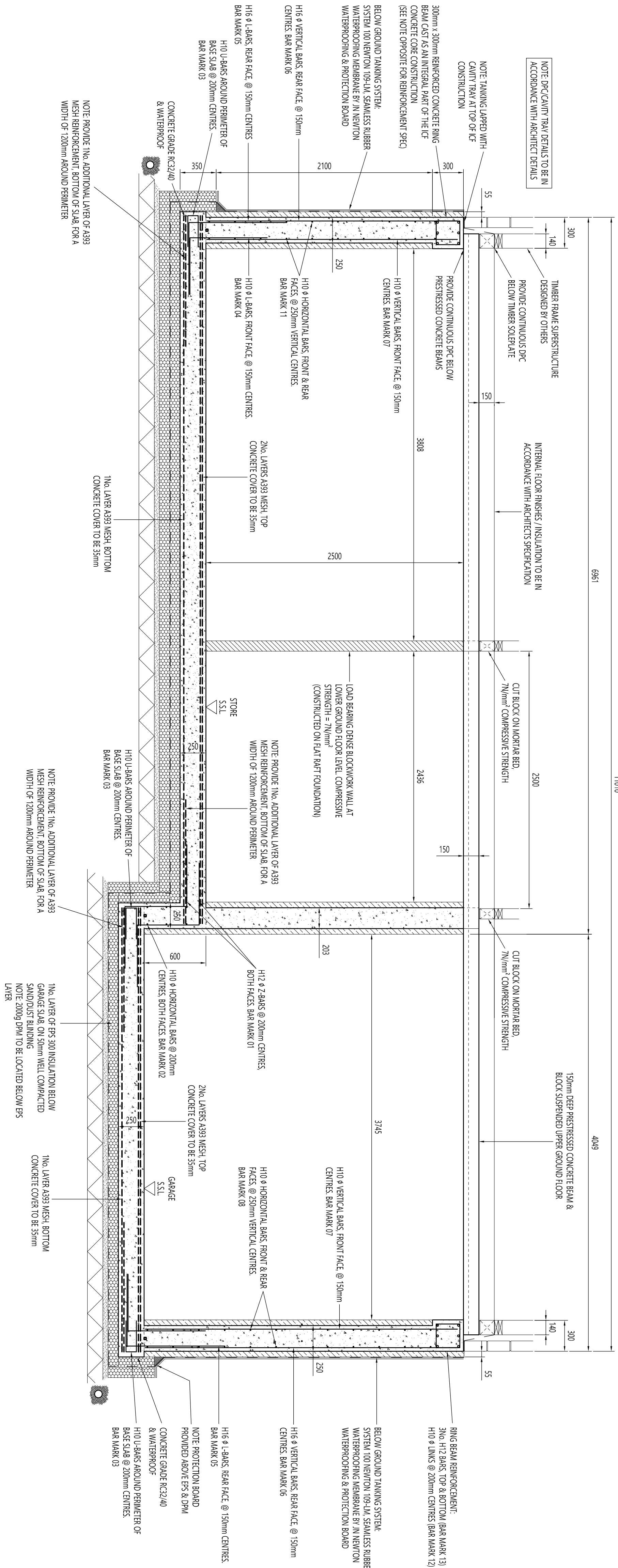
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2. ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED OTHERWISE.
3. ALL TILES ARE IN MILLIMETER UNLESS NOTED OTHERWISE.
4. ALL LISTS ARE TO ORDINANCE DRAIN DRAINS UNLESS NOTED OTHERWISE.
5. WORK TO BE DONE BY ARCHITECTS UNLESS NOTED OTHERWISE.
6. WORK TO BE DONE BY ARCHITECTS UNLESS NOTED OTHERWISE.
7. THIS DRAWING IS TO BE USED IN CONNECTION WITH ALL RELEVANT SPECIFICATIONS.
8. ARCHITECTS, APPOINTED SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
9. ALL ELEMENTARY WORKS TO BE DONE BY CONTRACTORS DESIGN AND DETAILS UNLESS NOTED OTHERWISE.
10. ALL P.C.P. APPLIED FINISHES, RADON PROTECTION TO ARCHITECTS SPECIFICATION AND DETAILS.

REINFORCED CONCRETE

1. THE BASE SPECIFICATION FOR REINFORCED CONCRETE WORK SHALL BE AS FOLLOWS:
STRUCTURAL SPEC. OF CONCRETE.
2. ALL REINFORCEMENT IS SCHEDULED IN ACCORDANCE WITH BS 8666 UNLESS NOTED OTHERWISE.
3. ALL STEELING OUT ARRANGEMENTS ARE DETAILED ON DRAWING No. 0 UNLESS NOTED OTHERWISE.
4. ALL REINFORCEMENT IS INDICATED ON THIS DRAWING.
5. UNIFORM COVER TO REINFORCEMENT TO BE AS FOLLOWS UNLESS NOTED OTHERWISE: (C: CURT; S: SLAB; SI: STEELING)
6. MINIMUM LAPS TO REINFORCEMENT TO BE NOT LESS THAN 40 ϕ UNLESS NOTED OTHERWISE.

8. LOCATION OF DAYWORK JOINTS

9. ALL CONCRETE MIX COMPONENTS AND THE CURE TESTING PROGRAMME SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF THE WORKS ON SITE.
10. ALL CONCRETE TO BE GRADUE 32.5/42.5/52.5 WATERPROOF.
11. CONCRETE REINFORCEMENTS SHALL BE TO BE MADE 800mm ACCORDANCE WITH BS4449:2005 & BS4449:2005.
12. REINFORCEMENT TO BE FREE FROM PAINT, GREASE, OIL, SCALE, EXCESSIVE RUST & DAMAGED CONCRETE.
13. SPACED TIES TO HOLD TIES THROUGH CONCRETE WALLS TO BE SPACED PROPORTIONATE TO THE WALL THICKNESS.
14. CASTING CONCRETE SHALL BE DURING WILL NOT BE SPANNED ONCE WALLS ARE CAST.
15. CONSTRUCTION NOT TO POLAR ANY SECTIONS OF DETAILS IN PERIODS OF UNSTABLE WEATHER.



SECTION DETAIL THROUGH ICF BASEMENT CONSTRUCTION

(SCALE 1:25)

NOTE: ALL SERVICE ENTRY & SVP LOCATIONS TO BE CO-ORDINATED WITH ARCHITECT LAYOUT DRAWINGS.

NOTE: ALL SETTING OUT OF ICE WALLS AND INTERNAL WALLS TO BE IN ACCORDANCE WITH ARCHITECT LAYOUT DRAWINGS.

NOTE: FOR FOUNDATION NOTES, REFER TO FAR
STRUCTURES LTD DRAWING NUMBER 19060-01

B	BAR MARKS ADDED; ICE WALL SHIFTED 55mm.	AR	02-10-2019
A	RETAINING WALL STEM INCREASED TO 250mm	AR	23-09-2019
REV.	DESCRIPTION	BY	DATE

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t: +44 (0)7703 043608 e: andrew@fairstructures.com

GWYN PHILLIPS

project

PLOT 5 ADJACENT
99 NEATH ROAD, RESOLVEN

drawing ti

SECTION DETAIL

drawn	etcd	scale	date
AR	AR	1:25@A1	SEPT 2019
Preliminary ☐ Tender ☐ Construction ☒		Job No.	Drawing No.
		19060	02
			B
			Rev

 FAR Structures Ltd 20 Caswell Avenue, Caswell, Swansea, SA3 4RU t: +44 (0)7703 043 608 e:andrew@farstructures.uk	Project Plot 5 adj 99 Neath Road, Resolven				Job no. 19060	
	Calcs for Reinforcement Schedule				Start page no./Revision R 1	
	Calcs by AR	Calcs date 02/10/2019	Checked by	Checked date	Approved by	Approved date

Tedds calculation version 1.0.07

Reinforcement schedule

Page 1 of 2

Member	Bar mark	Type and size	No. of mbrs	No. of bars in each	Total no.	Length of each bar + mm	Shape code	A* mm	B* mm	C* mm	D* mm	E/R* mm	Rev letter
Foundation	01	H12	1	88	88	1775	23	600	600	600			
	02	H10	1	12	12	4500	00	4500					
	03	H10	1	280	280	700	21	300	130	300			
	04	H10	1	162	162	1350	11	800	550				
	05	H16	1	172	172	1625	11	950	700				
Retaining Walls	06	H16	1	172	172	2425	00	2425					
	07	H10	1	162	162	2425	00	2425					
	08	H10	1	24	24	5250	00	5250					
	09	H10	1	6	6	3700	00	3700					
	10	H10	1	40	40	5600	00	5600					
	11	H10	1	40	40	4400	00	4400					
	12	H10	1	225	225	1100	51	230	230	130	130		
	13	H12	1	24	24	4400	00	4400					
	14	H12	1	12	12	5600	00	5600					
	15	H12	1	6	6	3900	00	3900					
	16	H12	1	6	6	4450	00	4450					
	17	H16	1	6	6	4450	00	4450					
Corner Bars	18	H12	4	6	24	1000	11	500	500				
	19	H10	2	23	46	1000	11	500	500				
ICF Lintel	20	H16	1	2	2	3700	00	3700					

This schedule conforms to BS 8666:2005

* Specified in multiples of 5 mm.

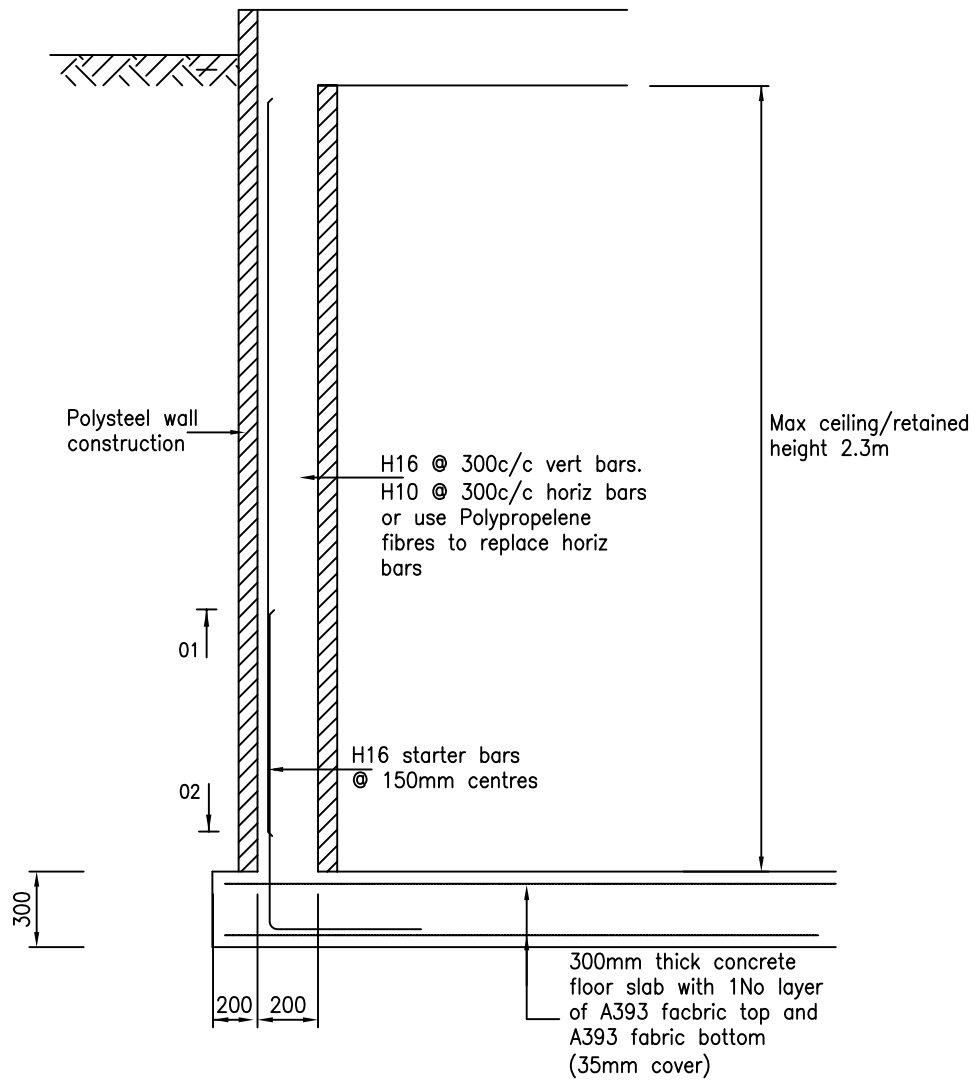
+ Specified in multiples of 25 mm.

Status: P Preliminary

T Tender

C Construction;

C Construction;



TYPICAL SECTION THROUGH RETAINING WALL

scale 1:25