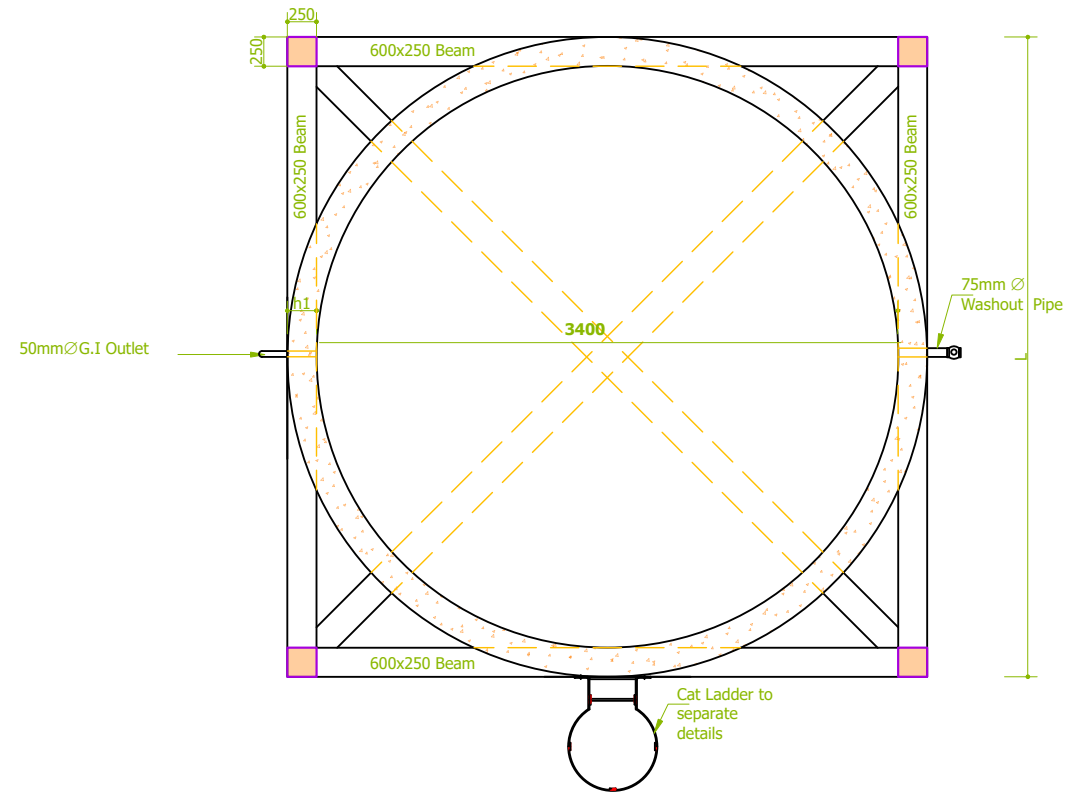
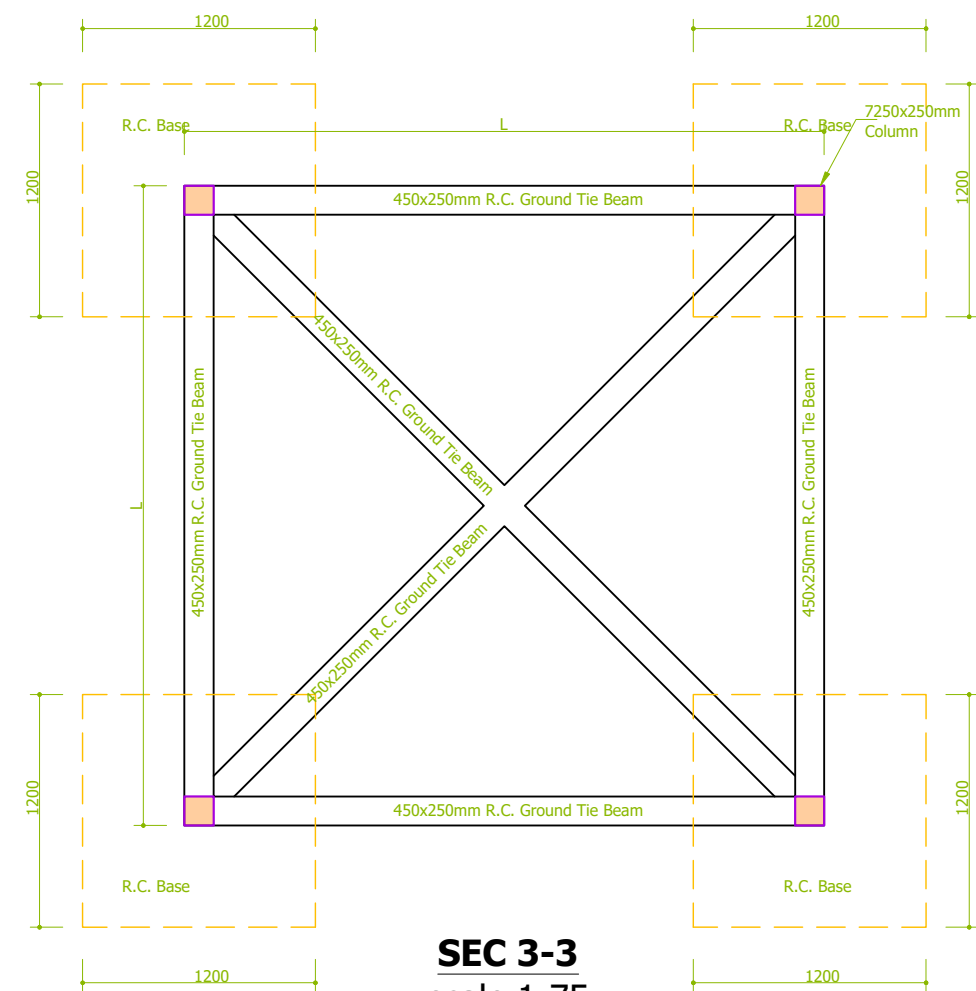


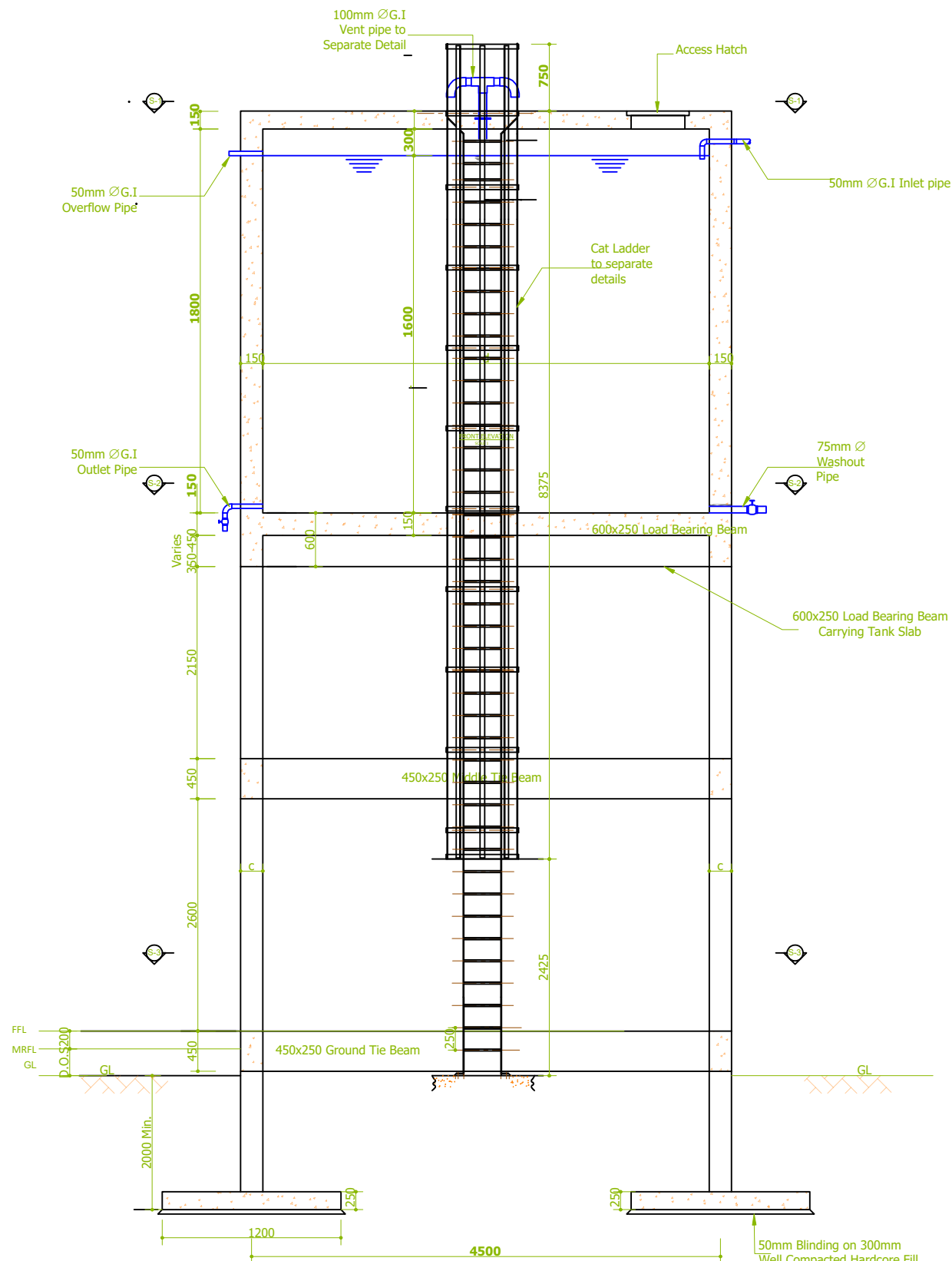
**SEC 1-1**  
scale 1:75



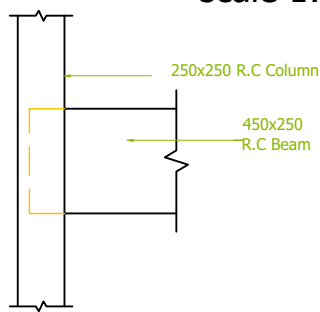
**SEC 2-2**  
scale 1:75



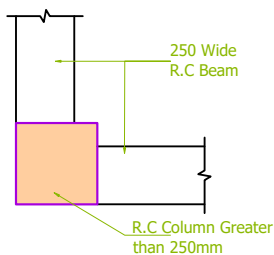
**SEC 3-3**  
scale 1:75



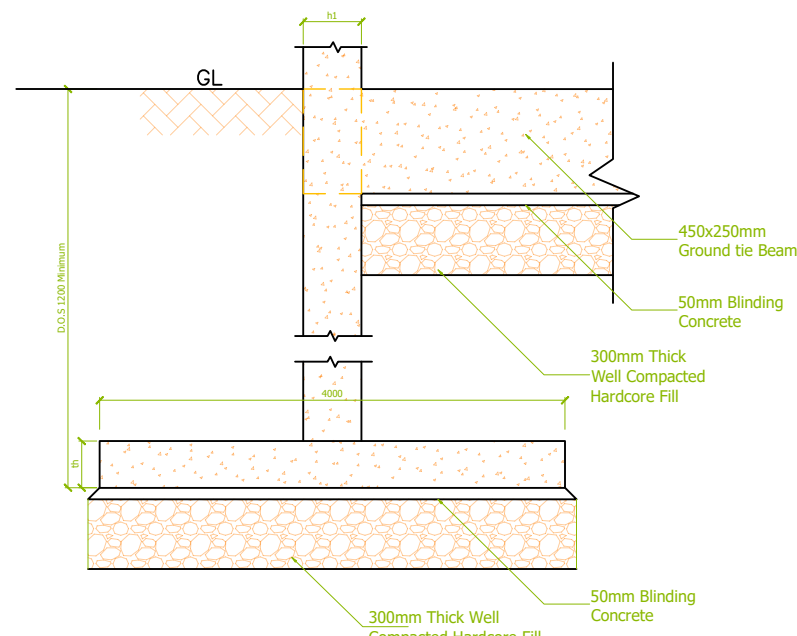
**ELEVATED WATER TANK - SECTIONAL ELEVATION**  
scale 1:75



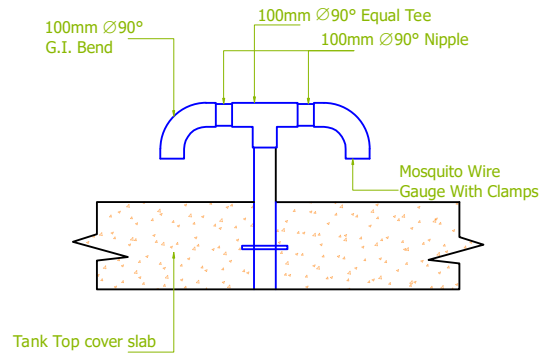
NOTE:  
Where the column is wider than 250mm the beam to be recessed to the outside as per the Details Below



**COLUMN BEAM CONNECTION**  
scale 1:25



**FOUNDATION DETAILS**  
scale 1:25



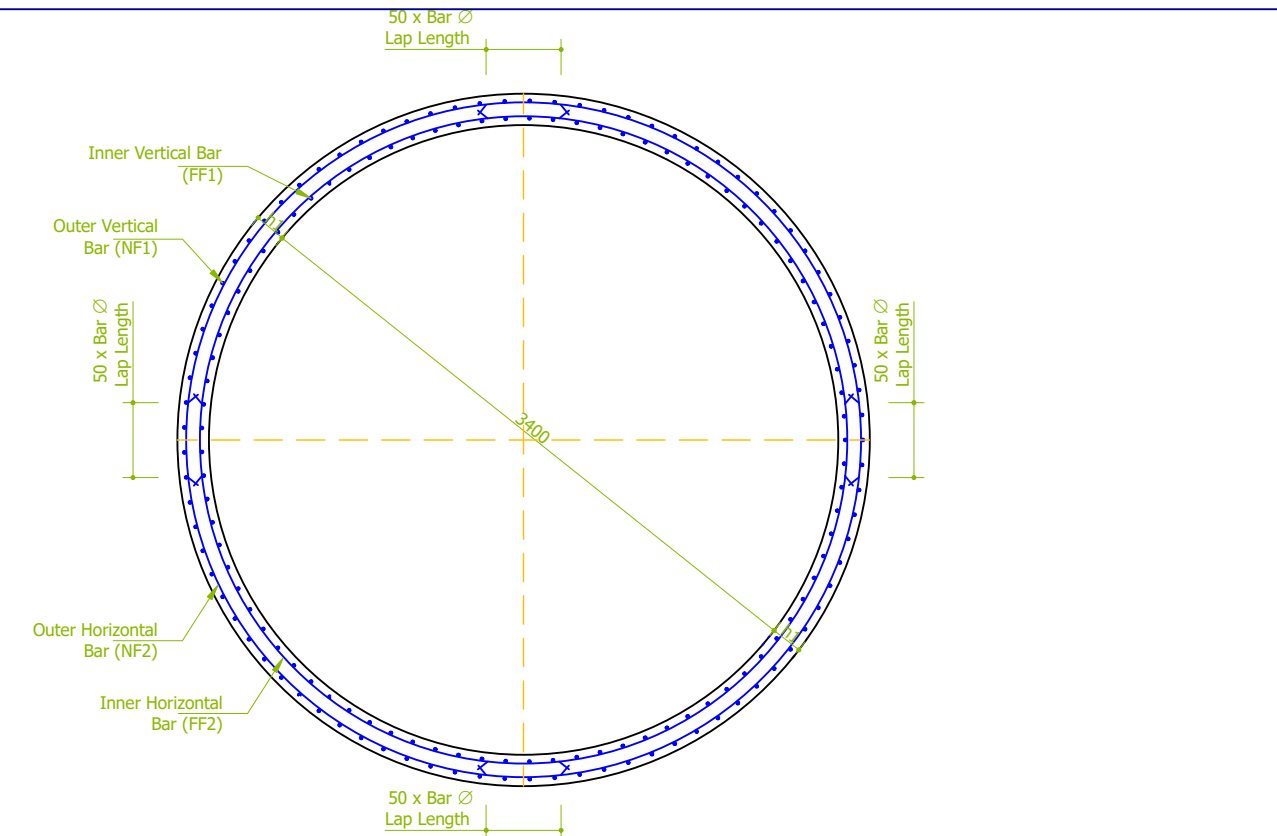
**VENT PIPE DETAILS**  
scale 1:25

**NOTES**

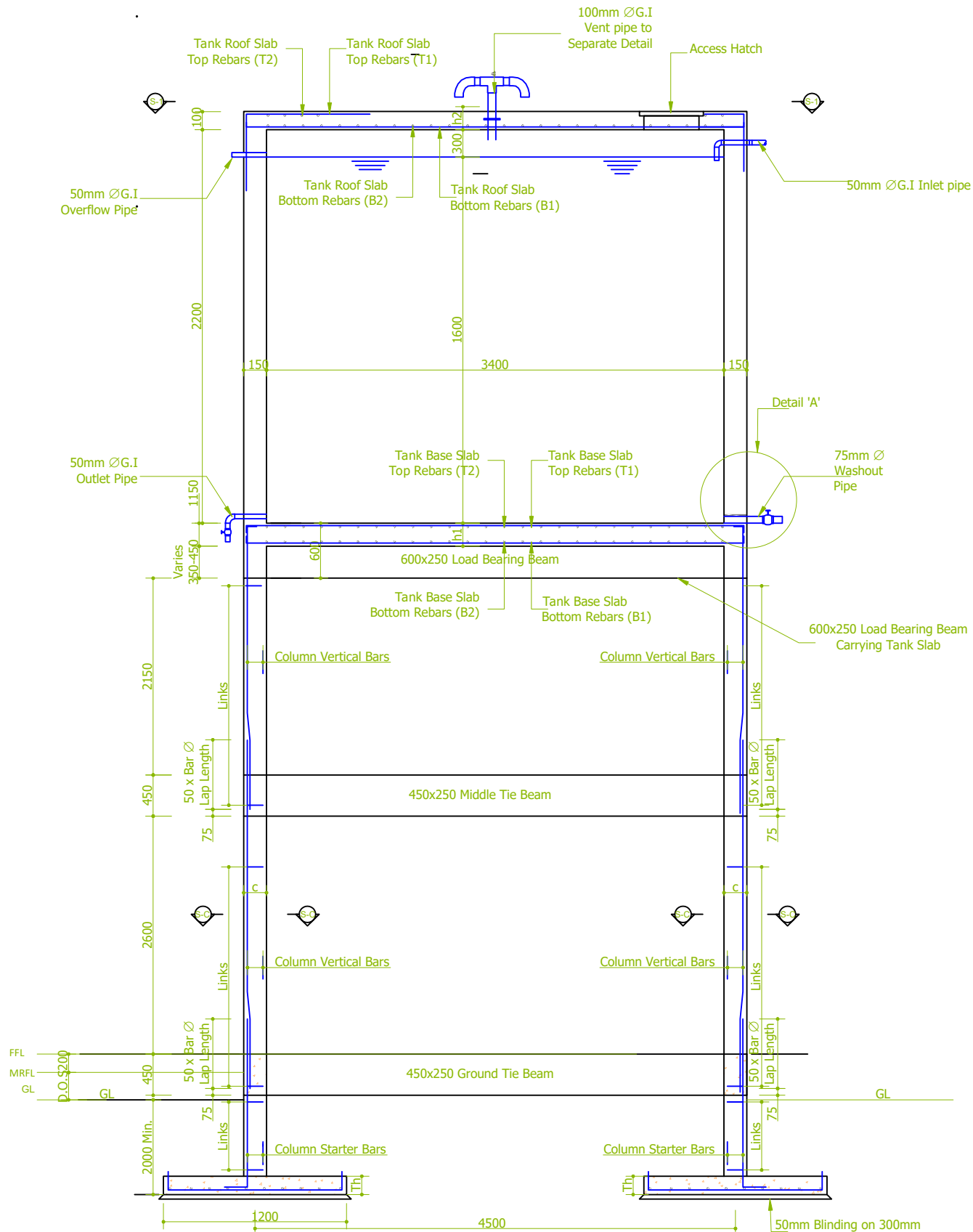
1. All dimensions to be checked on site and any discrepancy to be reported to the Engineer.
2. All dimensions are in millimeters unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. All structural concrete to be Class 25 unless stated otherwise.
5. Minimum cover to all reinforcement to be 25mm.
6. Design done as per the British Standard Codes.
7. All reinforcement steel to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
8. Minimum laps to all bars to be 50 times the diameter unless stated otherwise.
9. Only figured dimensions to be read, no scaling is allowed on this drawing.
10. Nominal aggregate size to be 25mm.
11. Design Ground bearing capacity for foundations to be determined before construction commences. Foundations to be checked and adjusted based on the findings.

**20 CUM 6M HIGH ELEVATED CONCRETE WATER  
STORAGE TANK GENERAL ARRANGEMENT**

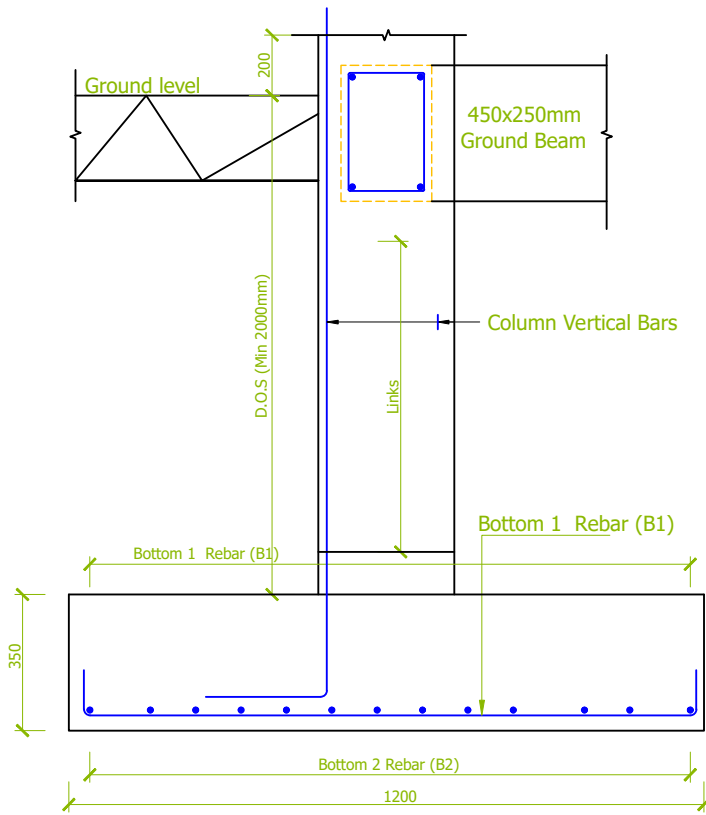
**ADAPTED FROM THE TOOL KIT FOR SMALL  
SCALE WATER SUPPLY SYSTEMS**



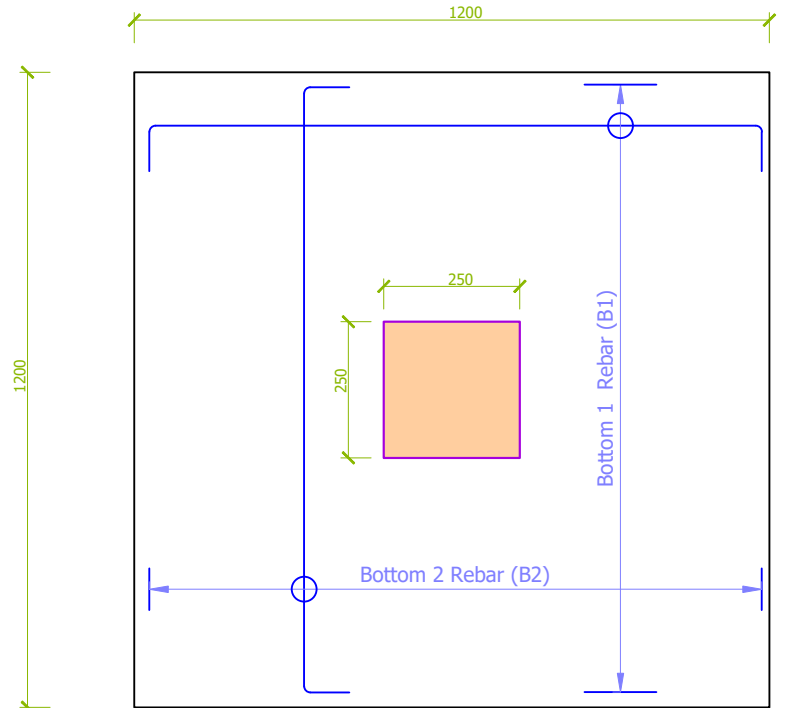
**SEC 1-1**  
scale 1:75



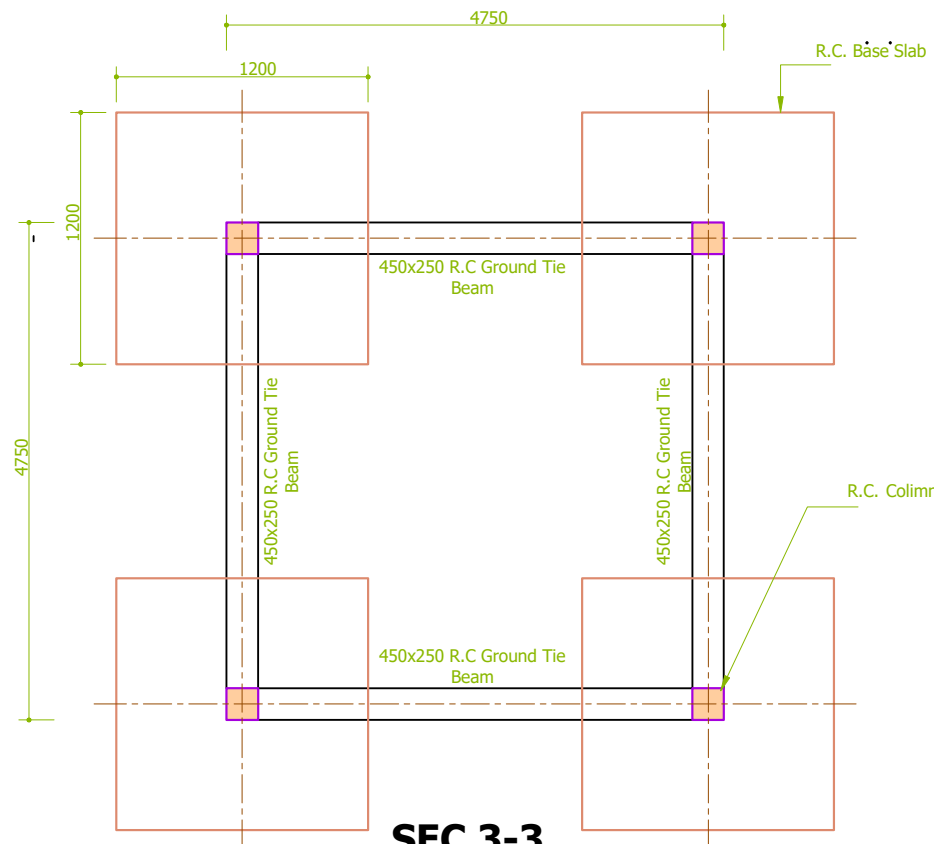
**ELEVATED WATER TANK - SECTIONAL ELEVATION R.C. DETAILS**  
scale 1:75



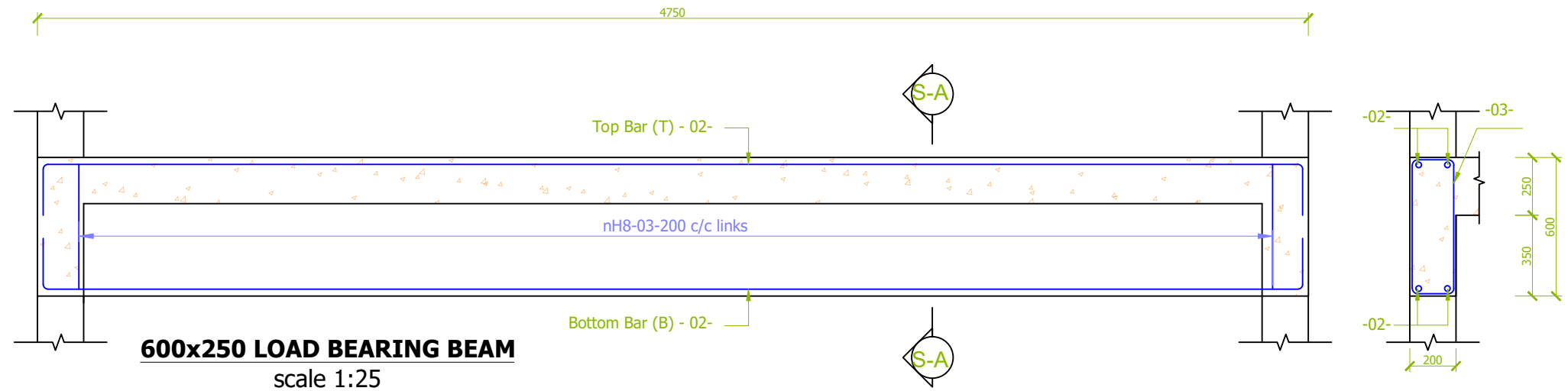
**SEC B01**  
SCALE 1:25



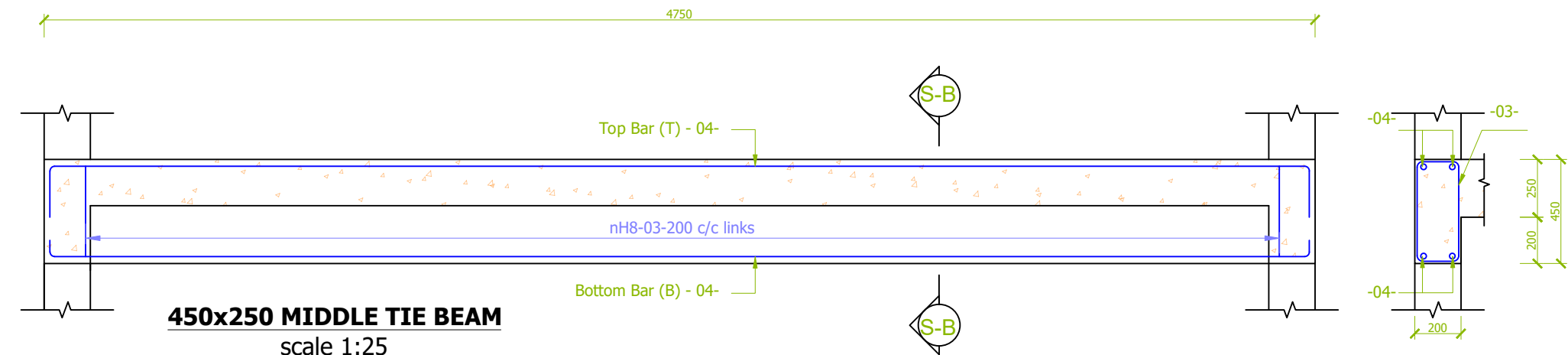
**BASE B01**  
1200x1200x350mm  
SCALE 1:25



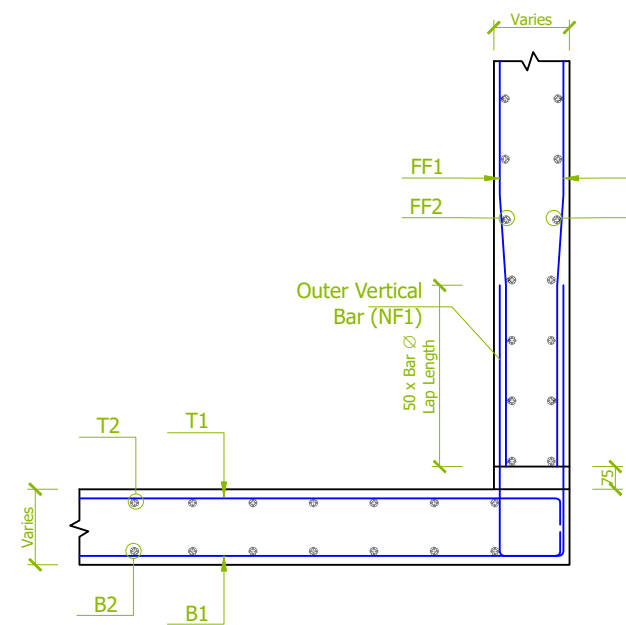
**SEC 3-3**  
scale 1:75



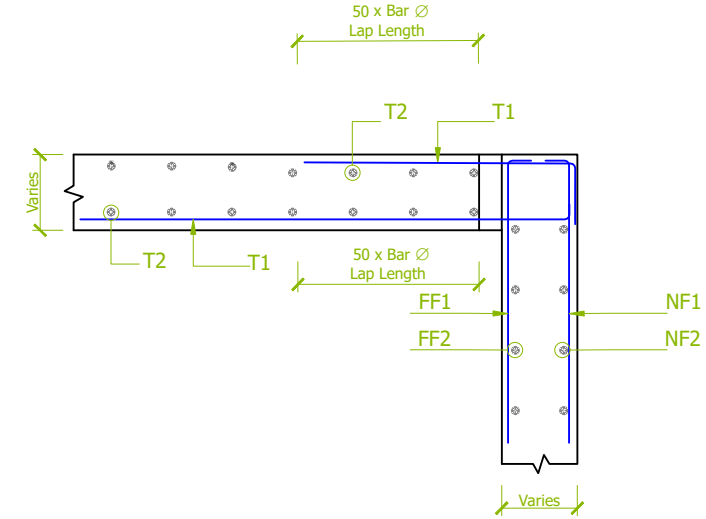
**600x250 LOAD BEARING BEAM**  
scale 1:25



**450x250 MIDDLE TIE BEAM**  
scale 1:25



**DETAIL 'A'**  
scale 1:25

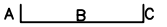


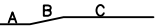
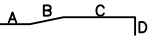

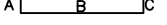
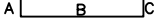

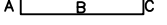
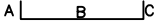


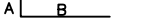






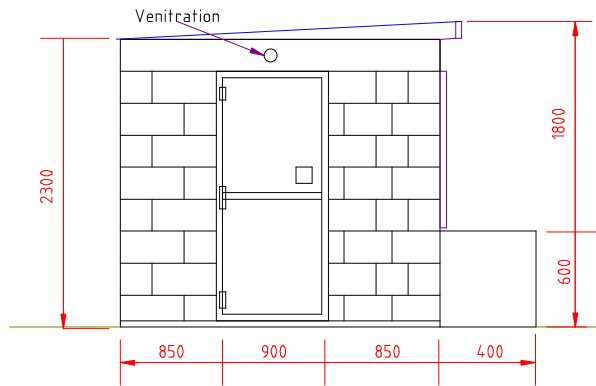
**DETAIL 'B'**  
scale 1:25

**NOTES**

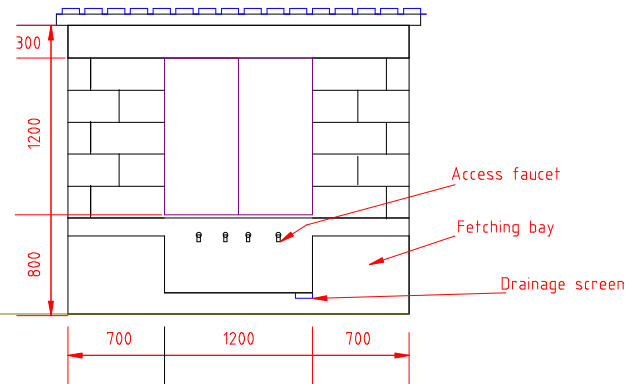
- All dimensions to be checked on site and any discrepancy to be reported to the Engineer.
- All dimensions are in millimeters unless specified otherwise.
- All levels are indicated in m unless specified otherwise.
- All structural concrete to be Class 25 unless stated otherwise.
- Minimum cover to all reinforcement to be 25mm.
- Design done as per the British Standard Codes.
- All reinforcement steel to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
- Minimum laps to all bars to be 50 times the diameter unless stated otherwise.
- Only figured dimensions to be read, no scaling is allowed on this drawing.
- Nominal aggregate size to be 25mm.
- Design Ground bearing capacity for foundations to be determined before construction commences. Foundations to be checked and adjusted based on the findings.

**6m HIGH ELEVATED WATER CONCRETE WATER  
STORAGE TANK GENERAL ARRANGEMENT**

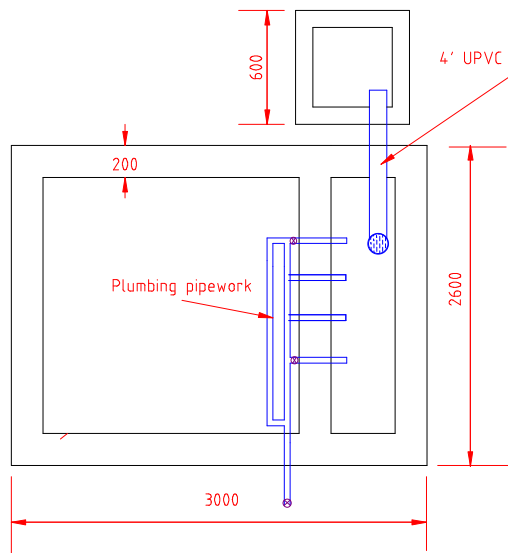
20m3 TANK							
BAR BENDING SCHEDULE							
MEMBER	TYPE & SIZE	SHAPE CODE	A	B	C	D	COMMENTS
BASES	Y12		150	1100	150		B1 Sc B2 @ 200 C/C
COLUMNS	Y8		205	205			COLUMN LINKS @ 150 C/C
	H12		250	1800			COLUMNS STARTER REBAR
	H12		600	300	2750		COLUMNS VERTICAL REBARS
	H12		600	300	2245	150	COLUMNS VERTICAL REBARS
TIE BEAMS	H8		405	205			BEAMS LINKS @ 200 C/C
	H12		150	4690	150		TOP BEAM REBAR
	H16		150	4690	150		BOTTOM BEAM REBAR
LOAD BEARING BEAMS	H8		555	205			BEAMS LINKS @ 200 C/C
	H12		150	4690	150		TOP BEAM REBAR
	H16		150	4690	150		BOTTOM BEAM REBAR
TANK FLOOR SLAB	H10		100	MAX 3660	100		B1-B2/T1 T2 @ 200 C/C
TANK WALLS	H10		700	110	700		WALL STARTER REBAR (U BAR) @ 200 C/C
	H10		100	2255			NF1/FF1 (VERTICAL REBAR) @ 200 C/C
	H10		CUT AND BEND TO SUIT ON SITE (MIN. LAP 50x BAR DIAMETER)				NF2/FF2 (HORIZONTAL REBAR) @ 200 C/C
TANK ROOF SLAB	H10		100	MAX 3660	100		B1/B2 @ 200 C/C
	H10		200	650			T1 @ 200 C/C
	H10		CUT AND BEND TO SUIT ON SITE (MIN. LAP 50x BAR DIAMETER)				T2 @ 200 C/C



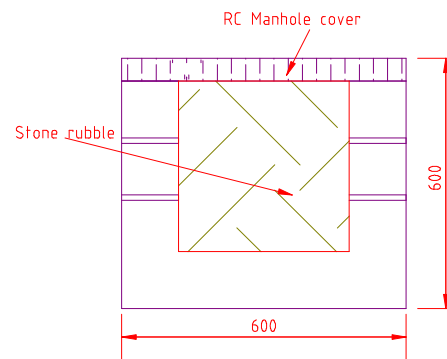
SIDE ELEVATION



FRONT ELEVATION



GROUND/WALLING PLAN



DRAINAGE SOAK PIT

## WATER KIOSK

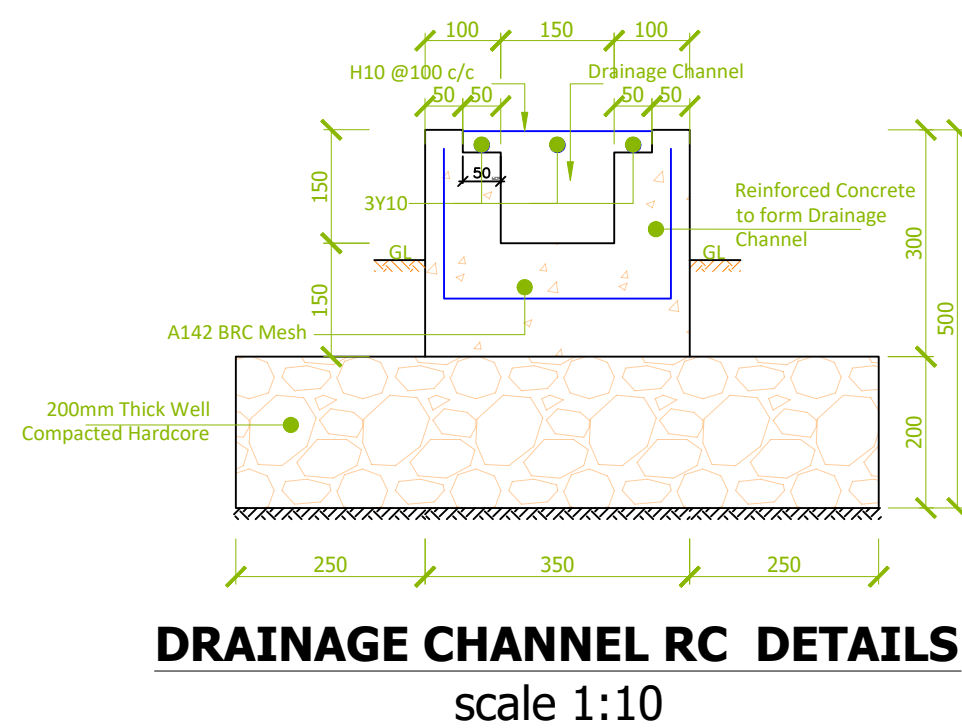
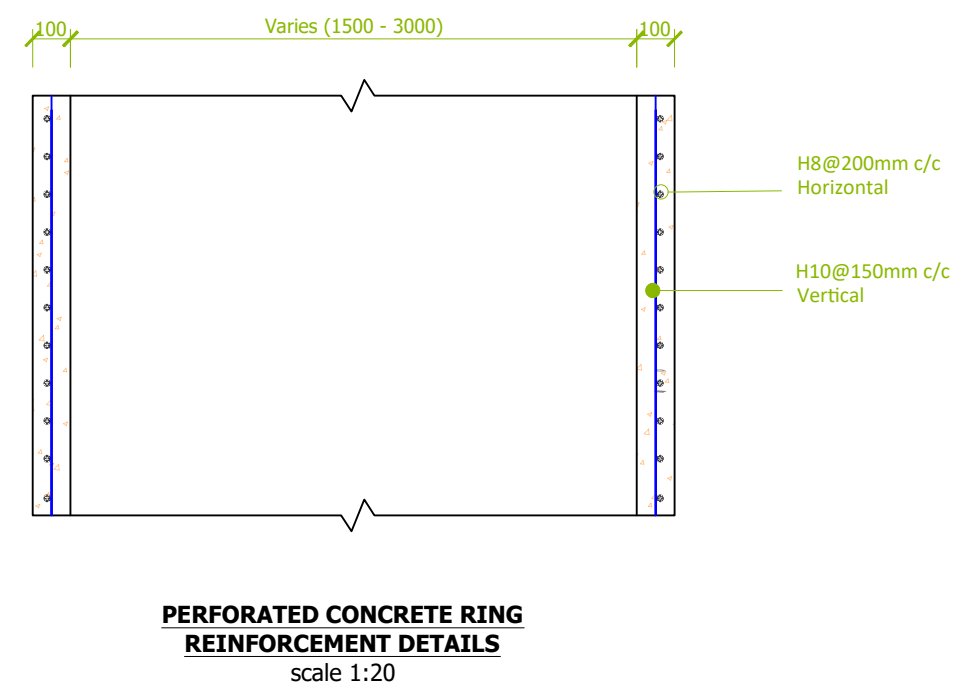
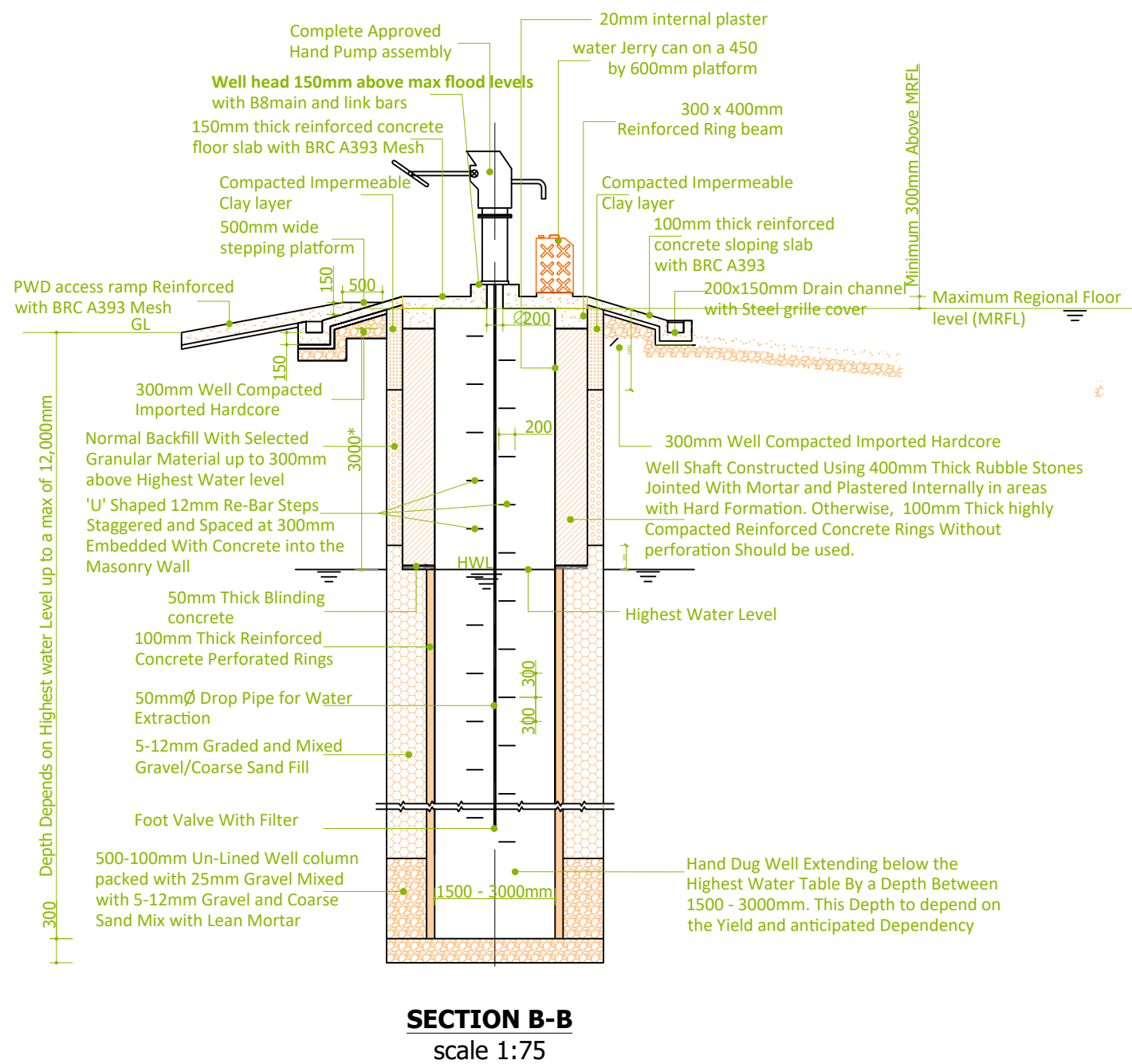
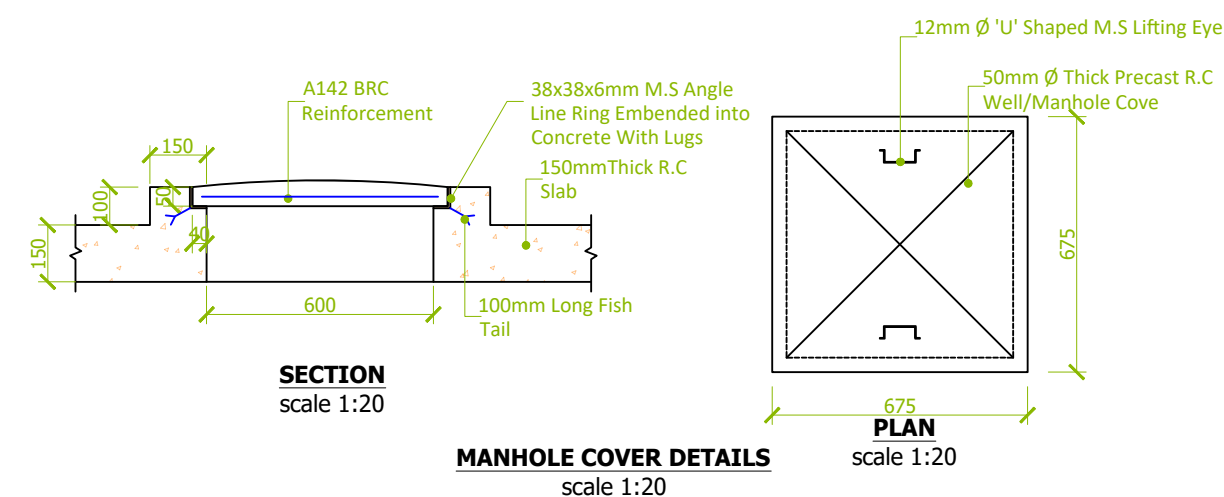
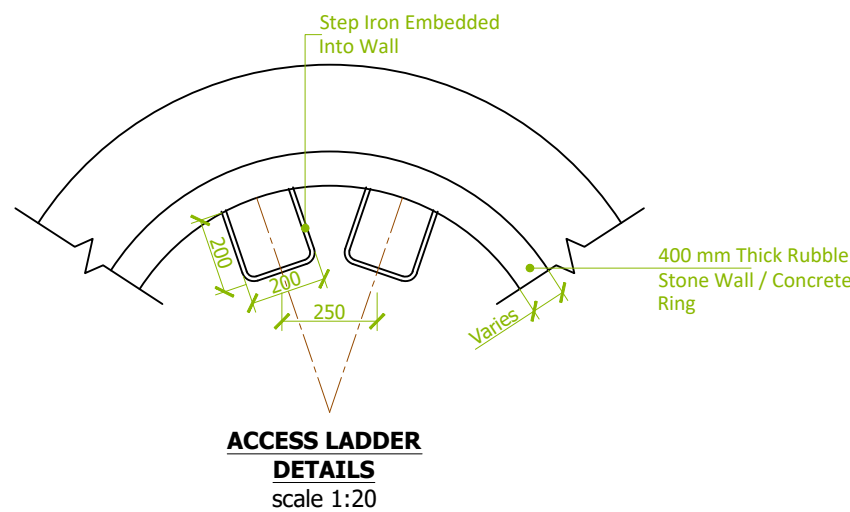
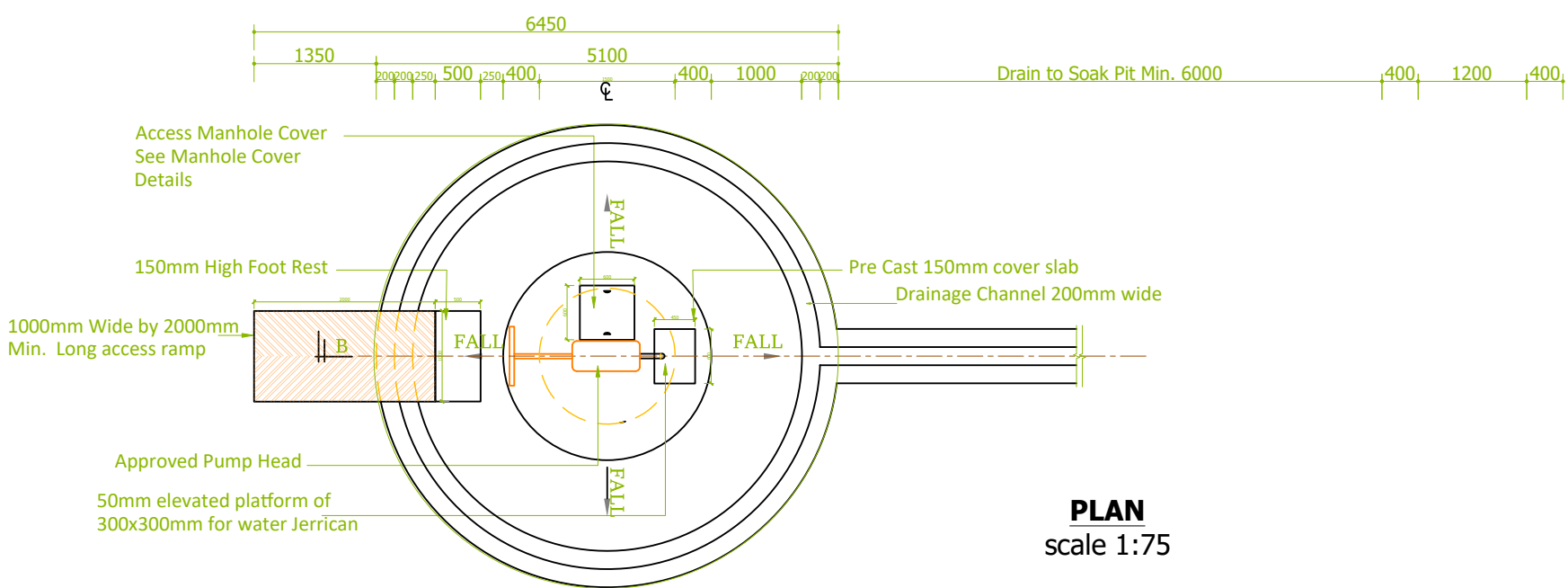
### NOTES

- 1.All dimesions in mm unless otherwise stated
- 2.Masonry walling with hoop iron in alternative courses
- 3.DPC under masonry walling

DRAWING TITLE:

INSITU MASONRY WATER KIOSK

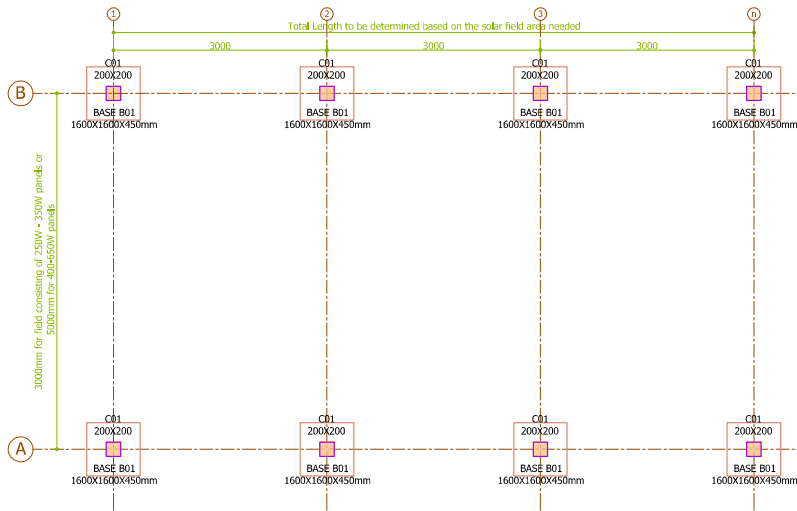




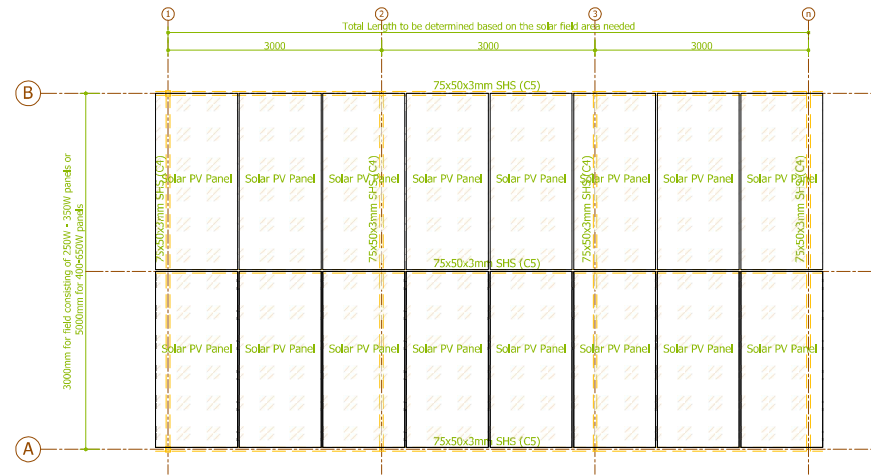
#### NOTES

1. All dimensions to be checked on site and any discrepancy to be reported to the Engineer.
2. All dimensions are in millimeters unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. All structural concrete to be Class 25 unless stated otherwise.
5. Minimum cover to all reinforcement to be 25mm.
6. Design done as per the British Standard Codes.
7. All reinforcement steel to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
8. Minimum laps to all bars to be 50 times the diameter unless stated otherwise.
9. Only figured dimensions to be read, no scaling is allowed on this drawing.
10. Nominal aggregate size to be 25mm.
11. Design Ground bearing capacity for foundations to be determined before construction commences. Foundations to be checked and adjusted based on the findings.

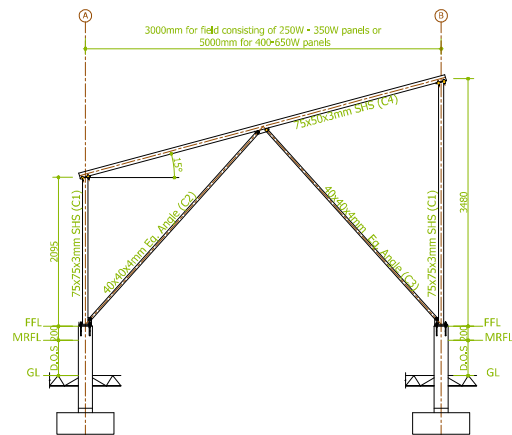
#### HAND DUG WELL WITH HAND PUMP DETAILS



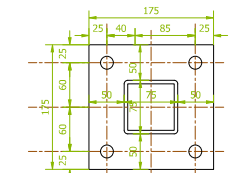
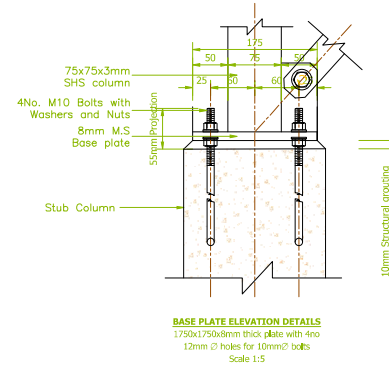
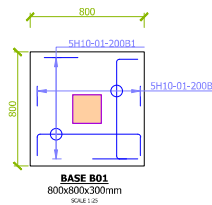
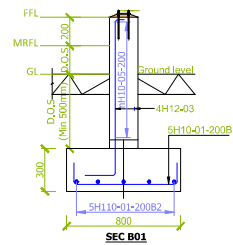
**FOUNDATION LAYOUT PLAN**  
scale 1:50



**SOLAR PV PANEL LAYOUT PLAN**  
scale 1:50



**ELEVATION DETAILS**  
scale 1:50



**BASE PLATE PLAN DETAILS**  
175x175x8mm thick plate with 4no 12mm  $\varnothing$  holes for 10mm $\varnothing$  bolts  
Scale 1:5

#### NOTES

- All dimensions to be checked on site and any discrepancies to be reported to the Engineer.
- All dimensions are in millimetres unless specified otherwise.
- All work to be done in accordance with the relevant standards.
- All materials to be of the highest quality.
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#### SOLAR PANEL STAND DETAILS



1. All dimensions to be checked on site and any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. All structural concrete to be Class 25 unless stated otherwise.
5. Minimum cover to all reinforcement to be 25mm
6. Design done as per the British Standard Codes
7. All reinforcement steel to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4843.
8. Nominal mesh all bars to be 30 mm diameter unless stated otherwise.
9. Only figured dimensions to be read, no scaling is allowed on this drawing.
10. Nominal aggregate size to be 25mm.
11. Design of ground bearing capacity for foundations to be determined before construction commences. Foundations to be checked and adjusted based on the findings.

## CHAIN-LINK FENCE TYPICAL DETAILS