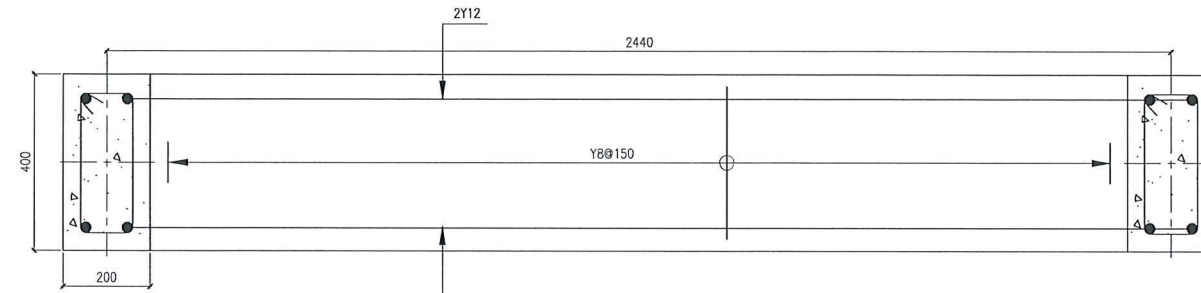
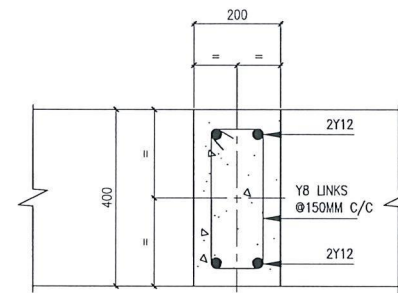


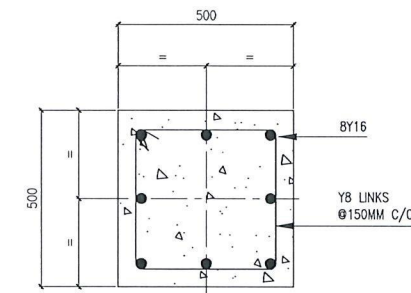
H.D. LAYOUT PLAN



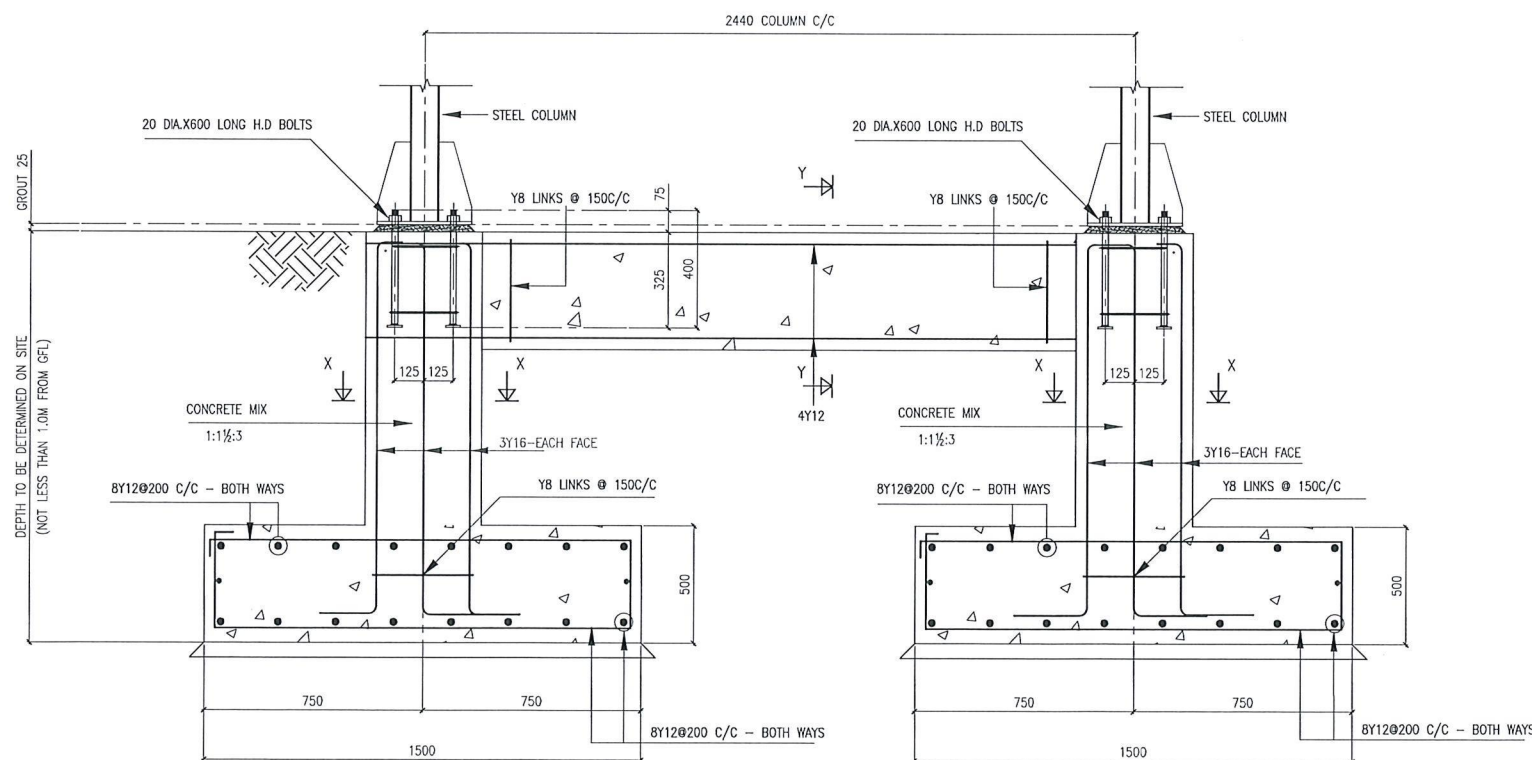
TYPICAL SECTION 01 - 01



TYPICAL SECTION Y - Y
THRU RC BEAMS B1



TYPICAL SECTION X - X
THRU STUB COLUMNS



TYPICAL SECTION 02 - 02

NOTES:

1. MIX OF CONCRETE TO ATTAIN THE STRENGTH OF F_{cu} 25 N/mm²
2. CONCRETE MIX 1:1½:3
3. CONCRETE MIX 1:4:8 BLINDING
4. WATER CEMENT RATIO 0.5
5. CUBE STRENGTH 28 DAYS - 25 N/mm²
6. REINFORCEMENT STEEL STRENGTH - 425/250 N/mm²
7. COVER TO BASE - 50mm
8. COVER TO COLUMN - 40mm
9. CONTRACTOR TO CONFIRM CHECK DIMENSION USING STEEL TAPE MEASURE.
10. HOLDING DOWN BOLTS TO BE CAST TO ± 5 mm ACCURACY AND SHOULD BE RECAST IF THIS TOLERANCE IS EXCEEDED.
11. CONTRACTOR TO CONFIRM LEVELS OF FOUNDATIONS.
12. ASSUMED GROUND BEARING PRESSURE - 80 kN/M²

NOTES

1. READ THE DRAWING IN CONJUNCTION WITH RELEVANT R.C.
2. DRAWINGS. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
3. ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
4. ALL PIPEWORK ARE DUCTILE IRON TO NP 10 WITH NP 16 FLANGES
5. ALL CONCRETE SHALL BE CLASS C30 UNLESS OTHERWISE STATED
6. ALL VALVES TO BE SUPPLIED WITH EXTENSION SPINDLE.
7. MIN CONCRETE COVER OF 40 mm TO THE MAIN STEEL TO BE MAINTAINED.
8. SAFE BEARING CAPACITY TAKEN AS OF 150kN/M2.
9. ALL FOUNDATIONS TO BE TAKEN DOWN TO A SUITABLE ROCK.
10. MAXIMUM AGGREGATE SIZE FOR CONCRETE IS 20mm.
11. ALL REINFORCEMENT TO BE INSPECTED BY THE ENGINEER BEFORE CONCRETING.

PROJECT TITLE:

PROPOSED 24M³ PRESSED STEEL TANK ON
12M TOWER

DRAWING TITLE

RC FOUNDATION & H.D. BOLTS LAYOUT
DETAILS.

CLIENT



ENGINEER

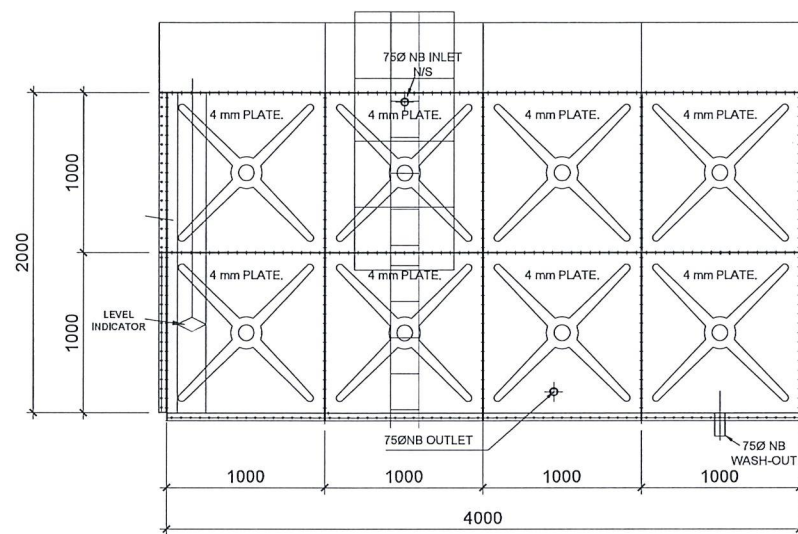
CHIEF ENGINEER KVDA

SCALE: 1:40

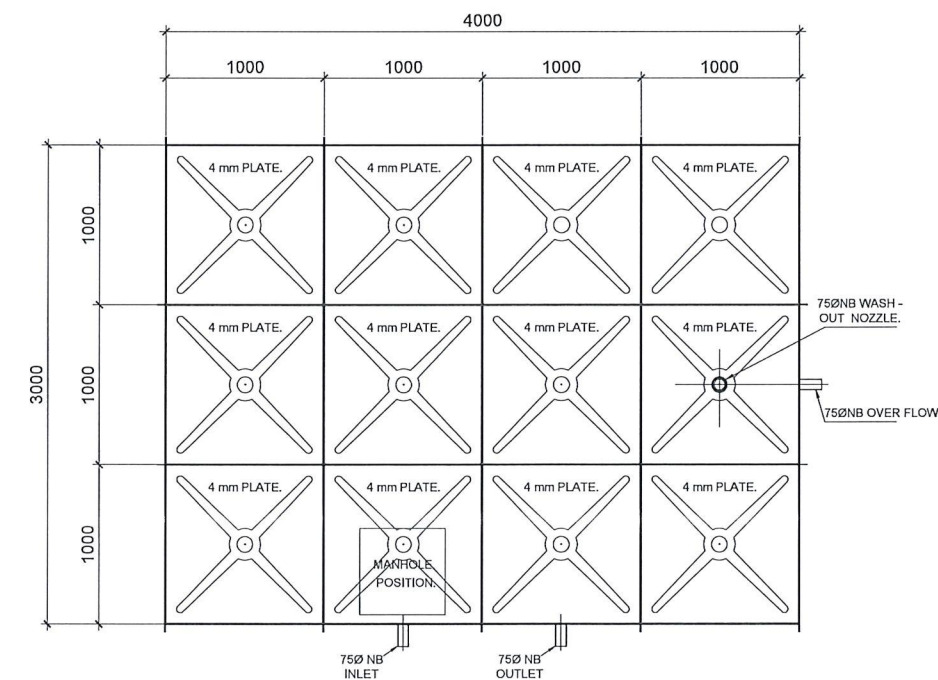
	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/2021
Drawn	T.O.M		18/10/2021
Checked	ENG. KIMUTAI		19/10/2021

DRG No.
01

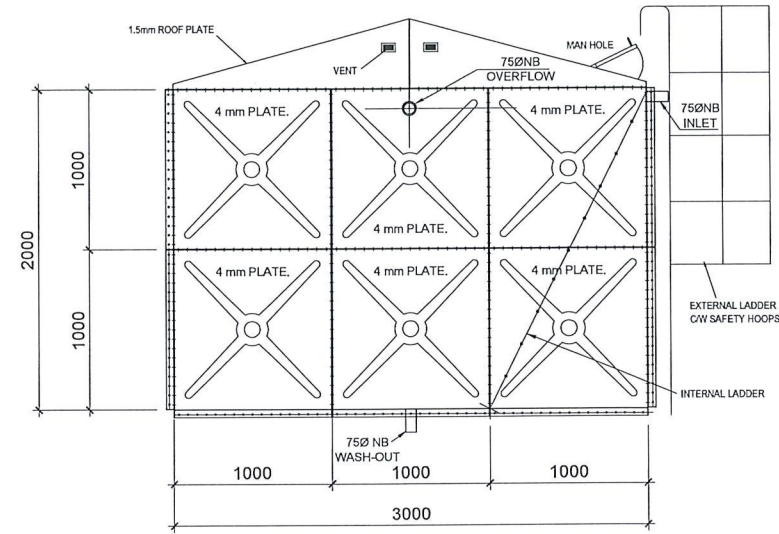
Revision Suffix



SIDE ELEVATION



PLAN



END ELEVATION

DESCRIPTION

OVERFLOW	75MMØ NB
OUTLET	75MMØ NB
WASHOUT	75MMØ NB
INLET	75MMØ NB

GENERAL NOTES:

- 1) ALL STRUCTURAL STEELWORK TO BE GRADE 43C.
- 2) STEELWORK TO BE WIRE BRUSHED PRIOR TO FINISHING APPLICATION.
- 3) INSIDE TANK: ONE COAT OF PRIMER & TWO COATS OF NON TOXIC BITUMINOUS PAINT
OUTSIDE TANK: ONE COAT OF PRIMER & ONE COAT OF SILVER ALUMINIUM PAINT.
- 4) ALL SHOP WELDS TO BE 6MM FILLET WELDS UNLESS OTHERWISE NOTED.
- 5) ALL SECTION SIZES ARE AS SPECIFIED ON DRAWING UNLESS OTHERWISE NOTED.
- 6) BOLTS ARE GALVANIZED GRADE 8.8.

NOTES

1. READ THE DRAWING IN CONJUNCTION WITH RELEVANT R.C.
2. DRAWINGS. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
3. ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
4. ALL PIPEWORK ARE DUCTILE IRON TO NP 10 WITH NP 16 FLANGES
5. ALL CONCRETE SHALL BE CLASS C30 UNLESS OTHERWISE STATED
6. ALL VALVES TO BE SUPPLIED WITH EXTENSION SPINDLE.
7. MIN CONCRETE COVER OF 40 mm TO THE MAIN STEEL TO BE MAINTAINED.
8. SAFE BEARING CAPACITY TAKEN AS OF 150KN/M2.
9. ALL FOUNDATIONS TO BE TAKEN DOWN TO A SUITABLE ROCK.
10. MAXIMUM AGGREGATE SIZE FOR CONCRETE IS 20mm.
11. ALL REINFORCEMENT TO BE INSPECTED BY THE ENGINEER BEFORE CONCRETING.

PROJECT TITLE:

PROPOSED 24M³ PRESSED STEEL TANK ON 12M TOWER

DRAWING TITLE

PANEL DETAILS

CLIENT

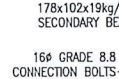


ENGINEER

CHIEF ENGINEER KVDA

SCALE: 1:50

	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/21
Drawn	T.O.M		18/10/21
Checked	ENG .KIMUTAI		19/10/21
DRG No.	Revision Suffix		
02			

LT
ERS

- 1) ALL STRUCTURAL STEELWORK TO BE GRADE 43C.
- 2) STEELWORK TO BE WIRE BRUSHED PRIOR TO PAINT APPLICATION.
- 3) APPLY ONE COAT OF GREY OXIDE PRIMER.
- 4) APPLY ONE COAT OF SILVER ALUMINIUM PAINT.
- 5) ALL SHOP WELDS TO BE 6MM FILLET WELDS U.O.N.
- 6) BOLTS ARE GALVANIZED GRADE 4.6. & GRADE 8.8
- 7) ALL SECTION SIZES TO BE AS SPECIFIED ON DRAWING.
- 8) THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.

- 1) ALL STRUCTURAL STEELWORK TO BE GRADE 43C.
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7. MIN CONCRETE COVER OF 40 mm TO THE MAIN STEEL TO BE MAINTAINED.
8. SAFE BEARING CAPACITY TAKEN AS OF 150KN/M2,
9. ALL FOUNDATIONS TO BE TAKEN DOWN TO A SUITABLE ROCK.
10. MAXIMUM AGGREGATE SIZE FOR CONCRETE IS 20mm.
11. ALL REINFORCEMENT TO BE INSPECTED BY THE ENGINEER BEFORE CONCRETING.

PROPOSED 24M³ PRESSED STEEL TANK ON
12M TOWER.

ELEVATION DETAILS



KVDA
KERIO VALLEY
DEVELOPMENT
AUTHORITY

CHIEF ENGINEER KVDA

	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/21
Drawn	T.O.M		18/10/21
Checked	ENG. KIMUTAI		19/10/21

DRG No.	Revision Suffix			
03				

- NOTES**
1. READ THE DRAWING IN CONJUNCTION WITH RELEVANT R.C.
 2. DRAWINGS, ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 3. ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
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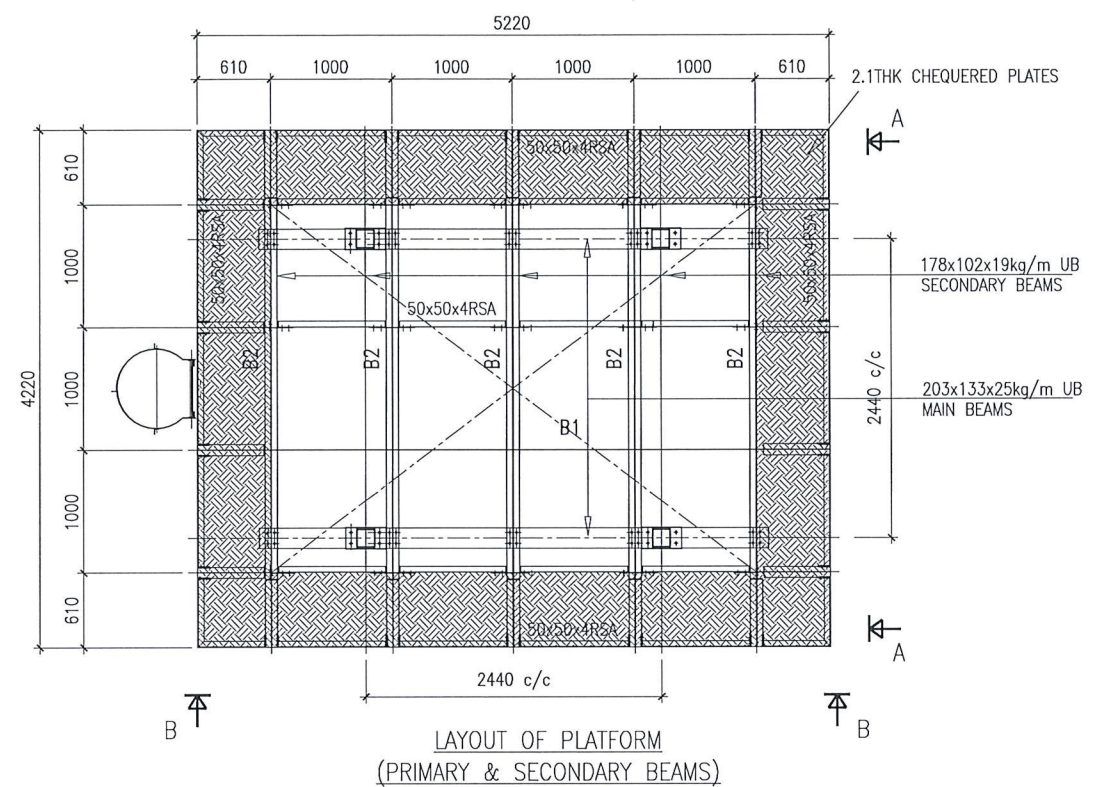
PROJECT TITLE:
PROPOSED 24M³ PRESSED STEEL TANK ON 12M TOWER

DRAWING TITLE
PLATFORM DETAILS

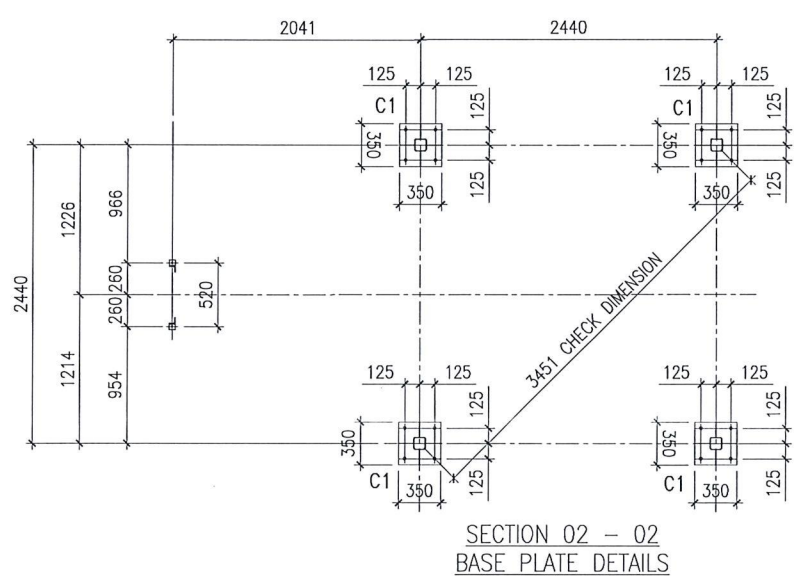
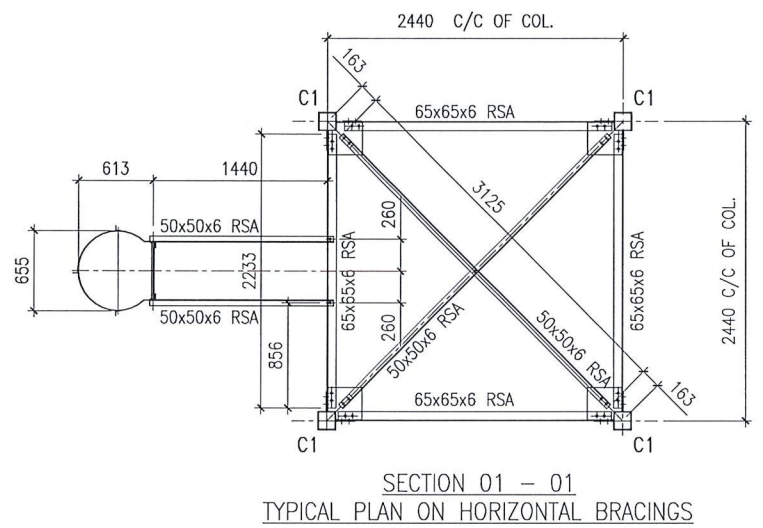


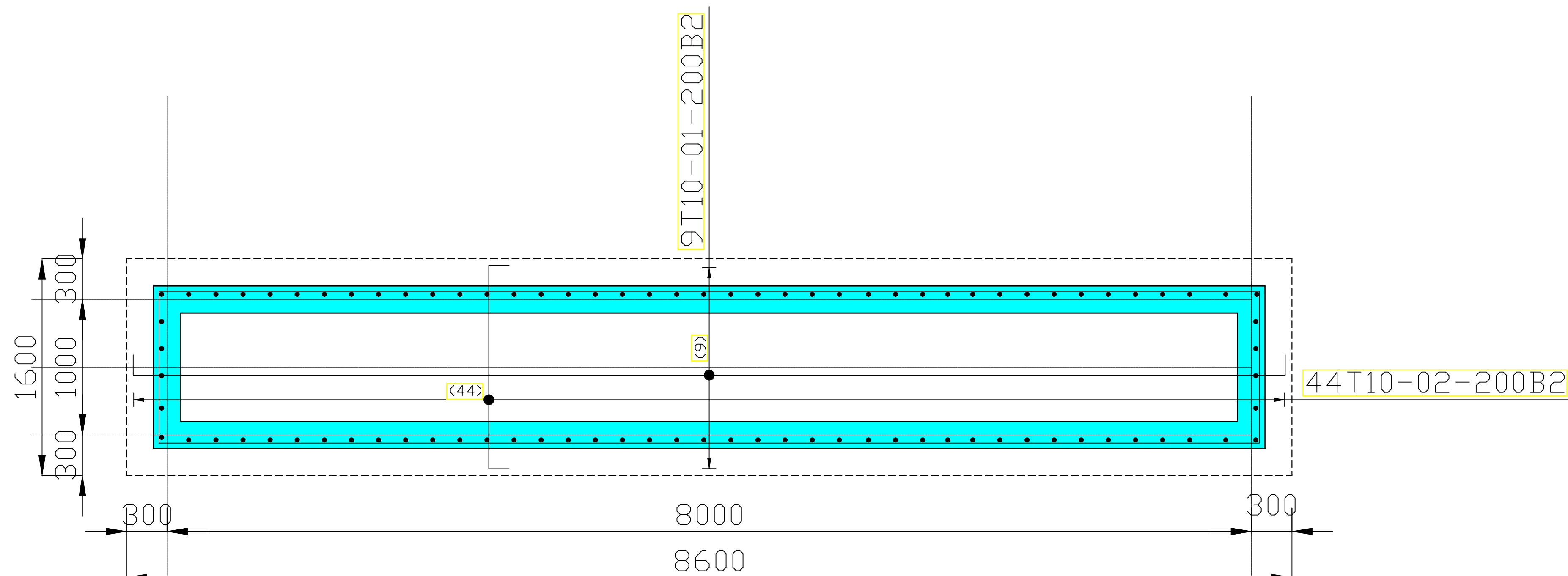
ENGINEER
CHIEF ENGINEER KVDA

SCALE: 1:30			
	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/21
Drawn	T.O.M		18/10/21
Checked	ENG.KIMUTAI		19/10/21
DRG No.	Revision Suffix		
04			

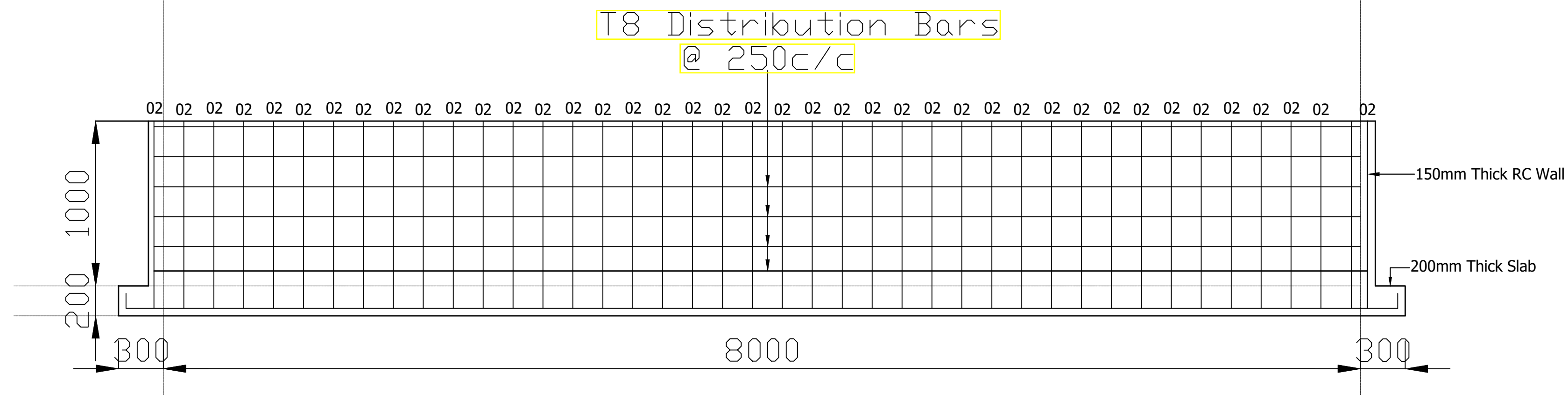


- GENERAL NOTES:**
- 1) ALL STRUCTURAL STEELWORK TO BE GRADE 43C.
 - 2) STEELWORK TO BE WIRE BRUSHED PRIOR TO PAINT APPLICATION.
 - 3) APPLY ONE COAT OF GREY OXIDE PRIMER.
 - 4) APPLY ONE COAT OF SILVER ALUMINIUM PAINT.
 - 5) ALL SHOP WELDS TO BE 6MM FILLET WELDS U.O.N.
 - 6) BOLTS ARE GALVANIZED GRADE 4.6. & GRADE 8.8
 - 7) ALL SECTION SIZES TO BE AS SPECIFIED ON DRAWING.
 - 8) THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.

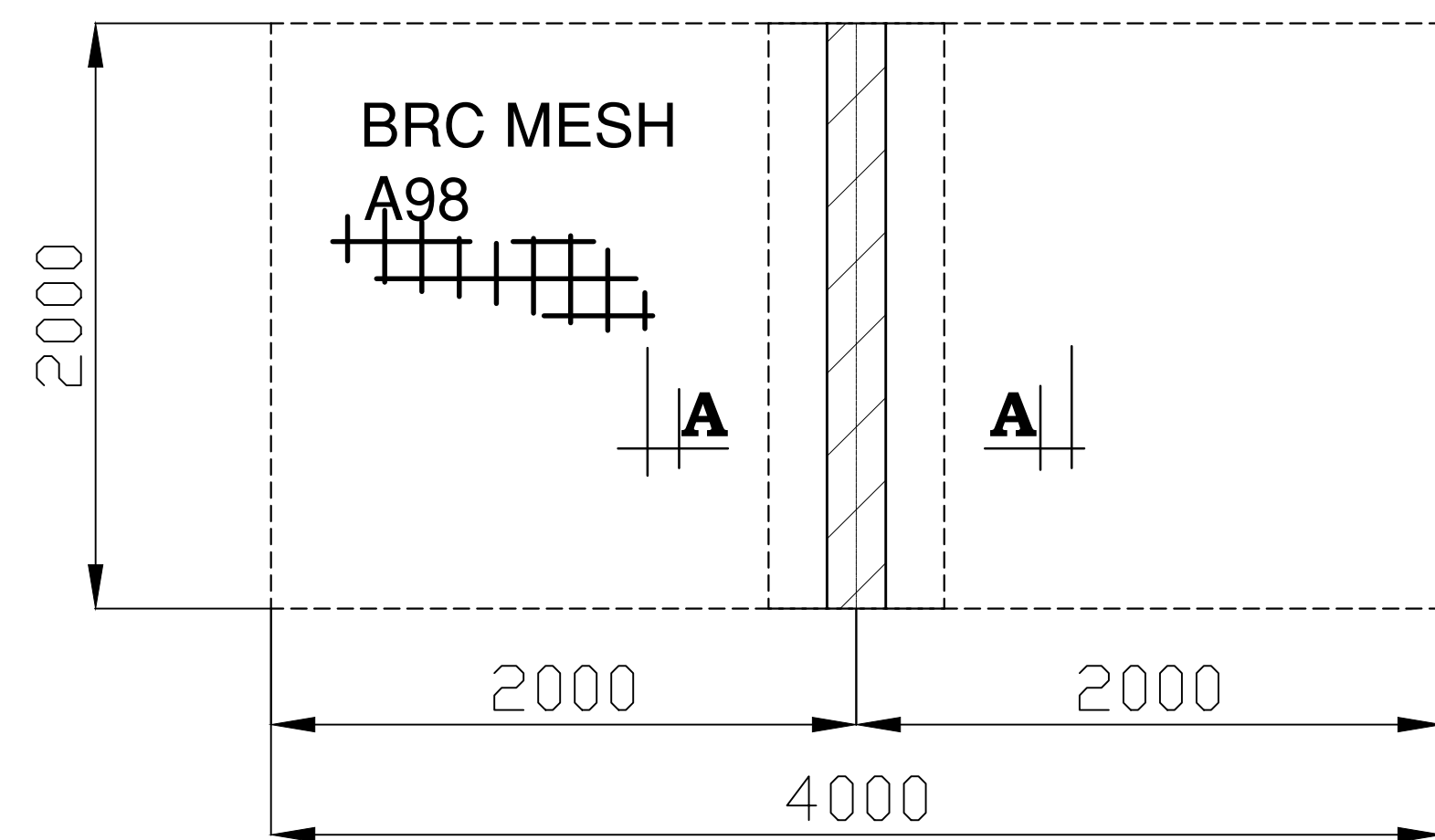




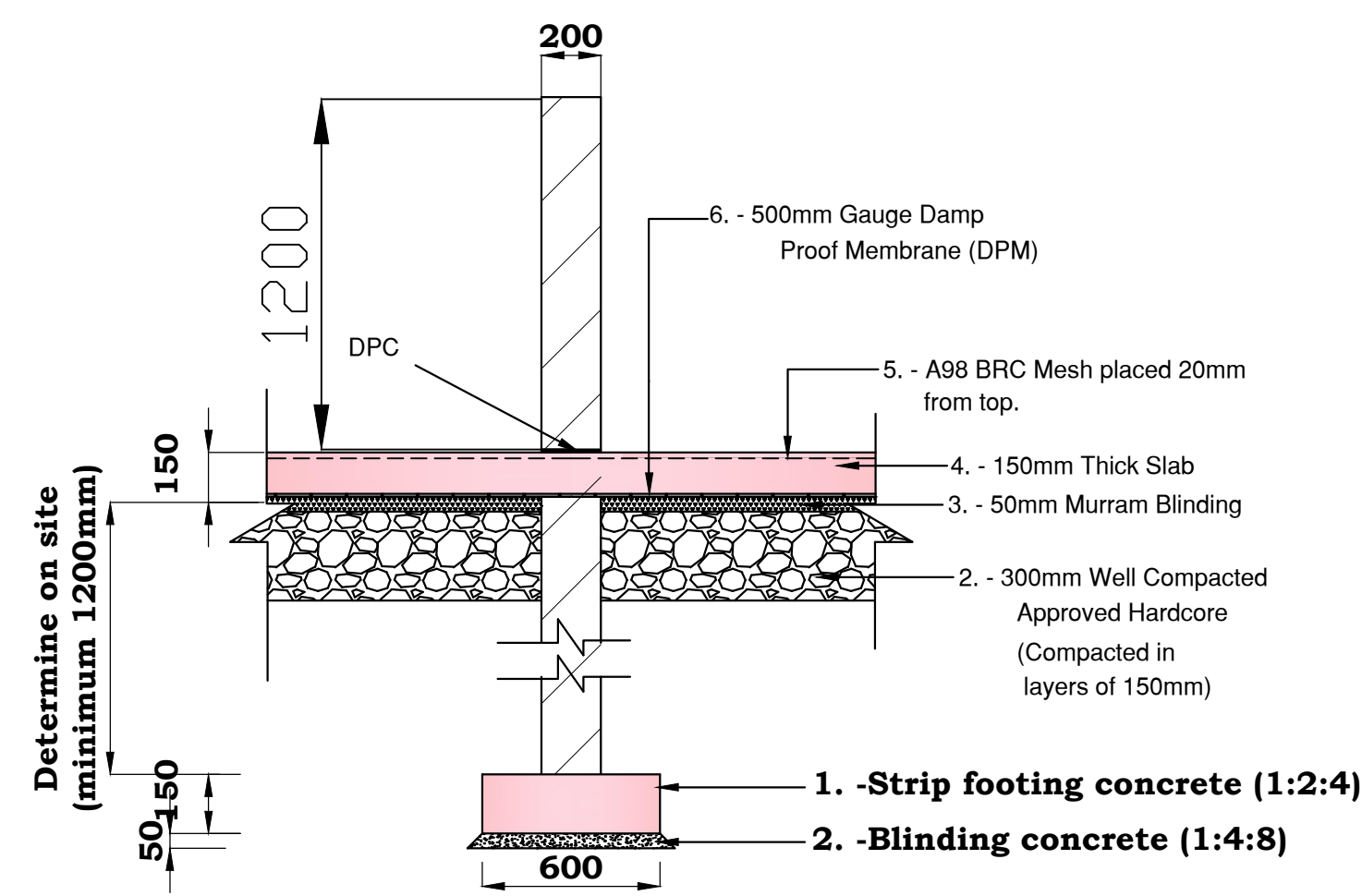
**CATTLE TROUGH
FOUNDATION LAYOUT (SCALE 1:25)**



**CATTLE TROUGH
R.C WALL DETAILS (SCALE 1:25)**



**COMMUNAL WATER POINT
FOUNDATION LAYOUT**



**SECTION A-A (1:20)
STRIP FOOTING**

NOTES

1. This drawing to be read in conjunction with other relevant structural drawings.
2. The Contractor to confirm all dimensions on site before commencing the works.
3. Figured dimensions only to be taken and all dimensions are in millimetres unless stated otherwise.
4. Structural concrete to be class 25/20 (1:1.5:3) concrete cover to reinforcement including links; Foundations ~50mm RC Wall ~50mm
5. Reinforcement steel to be ; T- Deformed threaded high yield bars to BS 4461.
6. Foundation depth to be determined on site but firm bearing strata with a minimum bearing capacity of 100 KN/M²
7. All steel reinforcement and excavation works **MUST** be inspected and approved by the Structural Engineer before concreting is done.

ISSUES

DATE	TO	APPLICATION

REVISIONS

DATE	BY	DESCRIPTIONS

REFERENCE DRAWINGS

No.	DESCRIPTIONS

CLIENT
KVDA **KVDA** KERIO VALLEY DEVELOPMENT AUTHORITY

PROJECT TITLE
**PROPOSED DRILLING AND EQUIPPING
OF BOREHOLE**

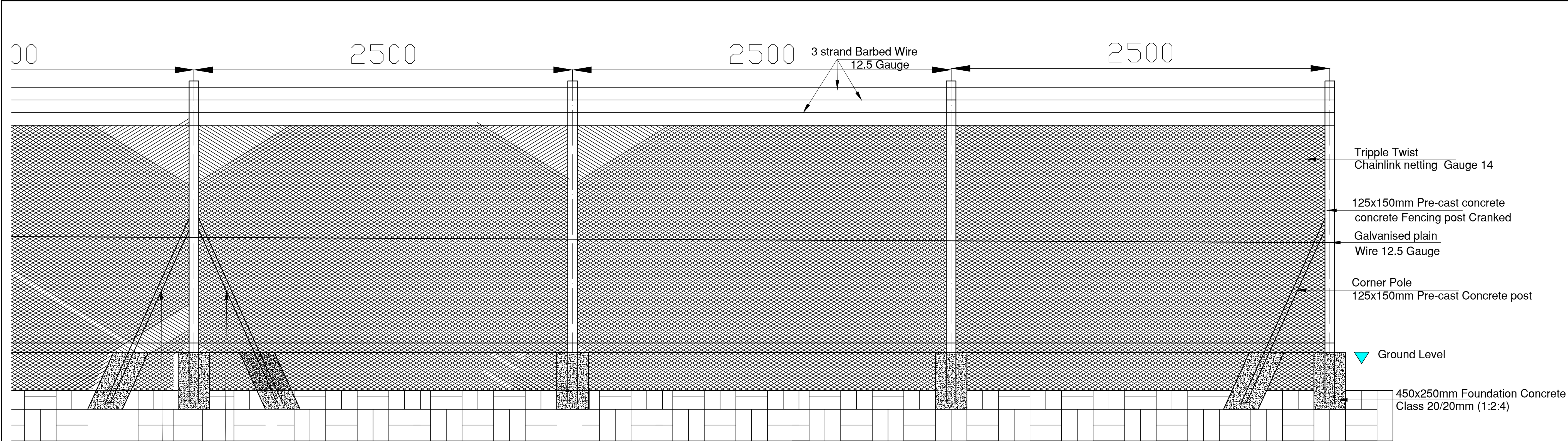
DRAWING TITLE
**CATTLE TROUGH R.C DETAILS.
COMMUNAL WATER POINT DETAILS.**

	DRG No.	
	FILE No.	

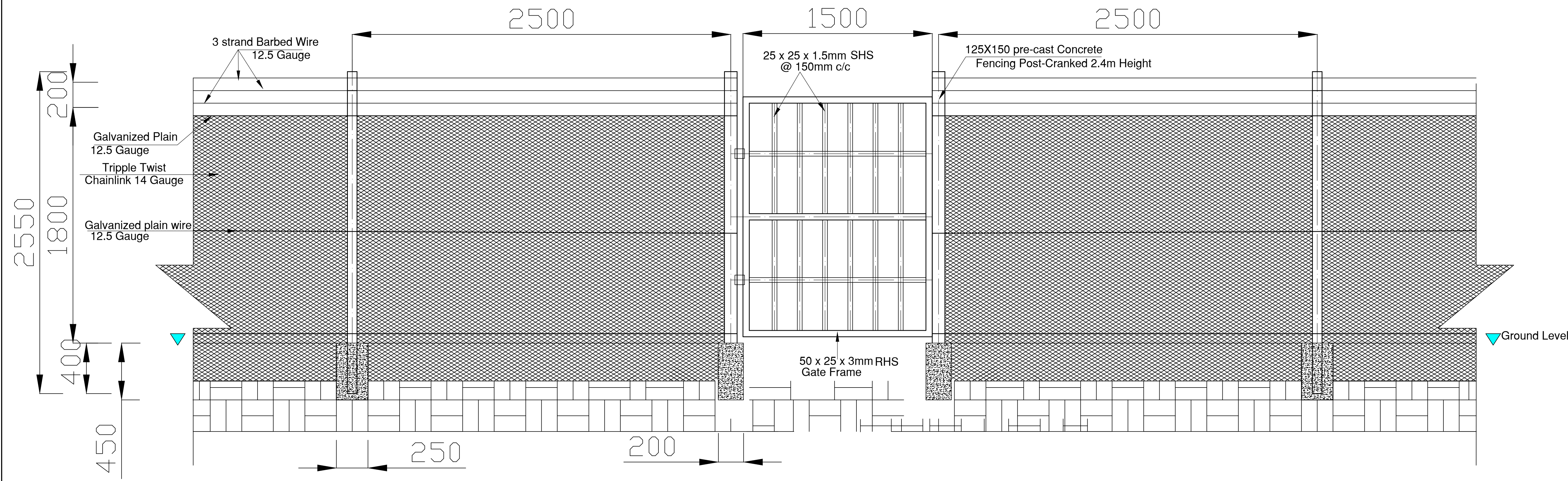
SCALE(S) 1:20 FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING

APPROVED BY

DESIGN/DRAWN	NAME	SIGNATURE	DATE
CHECKED BY	T.O.M		2/09/2021
	ENG. D. KIMUTAI		2/09/2021



2No. 45 Degrees 125x150mm Precast Post Bracing
@ 10metres intreval



NOTES

1. This drawing to be read in conjunction with other relevant Architectural/structural drawings.
2. The Contractor to confirm all dimensions on site before commencing the works.
3. Figured dimensions only to be taken and all dimensions are in millimetres unless stated otherwise.
4. Structural concrete to be class 20/20 (1:2:4) concrete cover to reinforcement including links;
5. Foundation depth to be determined on site but firm bearing strata with a minimum bearing capacity of 100 KN/M 2
6. All steel reinforcement and excavation works MUST be inspected and approved by the Structural Engineer before concreting is done.
7. Minimum compressive strength for structural masonry to be 7KN/M2

ISSUES

DATE	TO	APPLICATION

REVISIONS

DATE	BY	DESCRIPTIONS

REFERENCE DRAWINGS

No.	DESCRIPTIONS

CLIENT

KERIO VALLEY DEVELOPMENT AUTHORITY

PROJECT TITLE

PROPOSED DRILLING AND EQUIPPING
OF BOREHOLE

DRAWING TITLE

FENCING DETAILS.

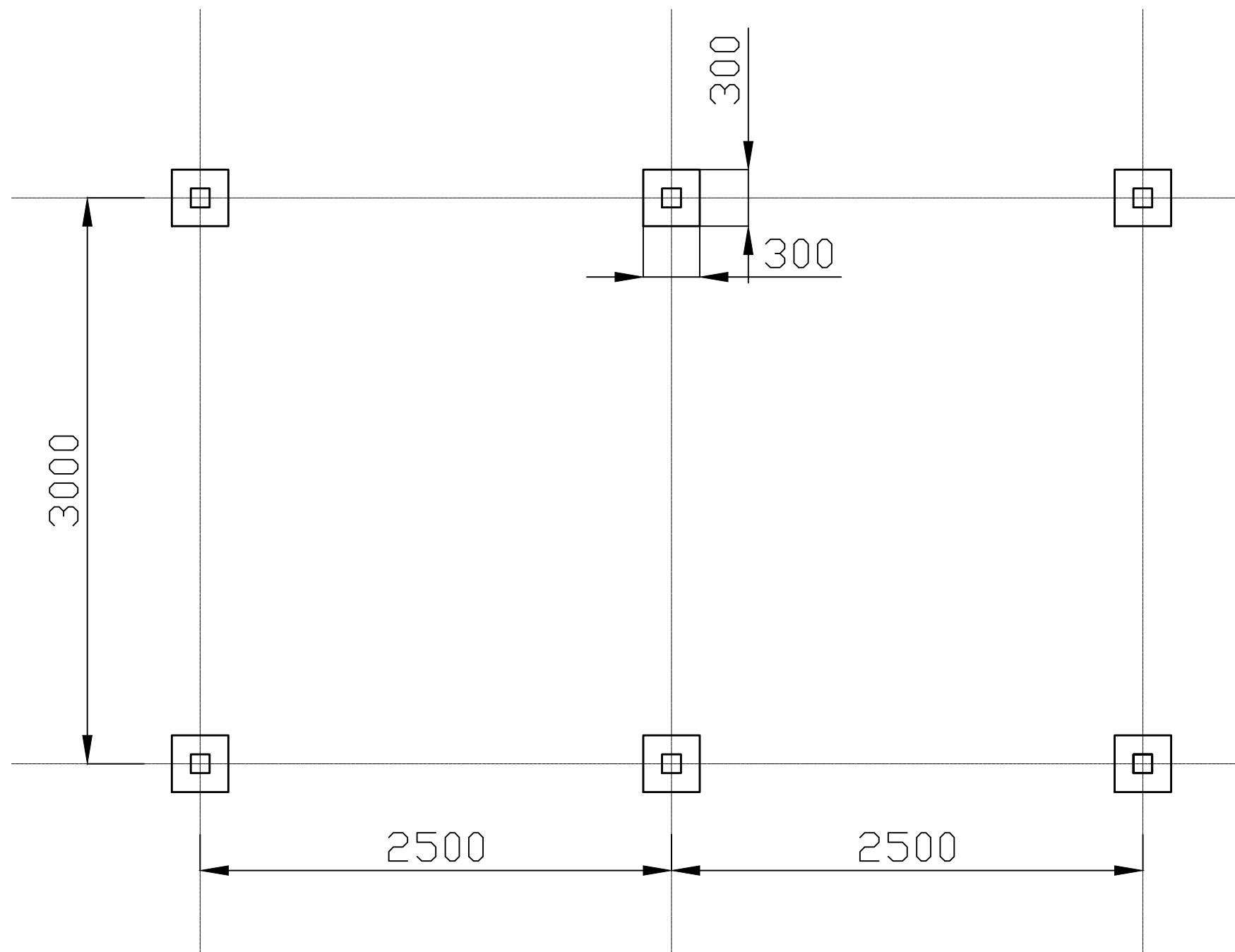
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FILE No.

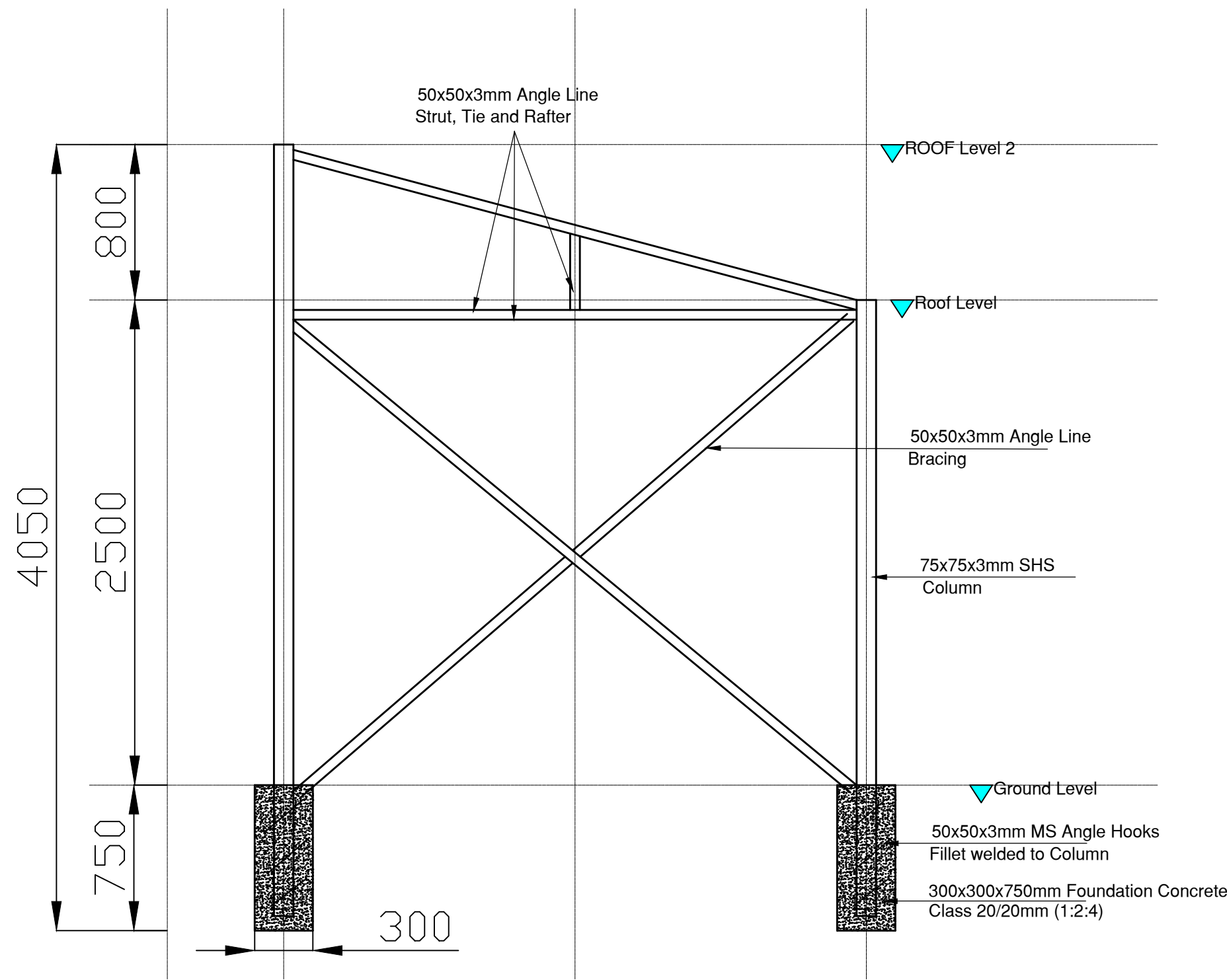
SCALE(S) 1:20 FIGURED DIMENSIONS ONLY TO
BE TAKEN FROM THIS DRAWING

APPROVED BY

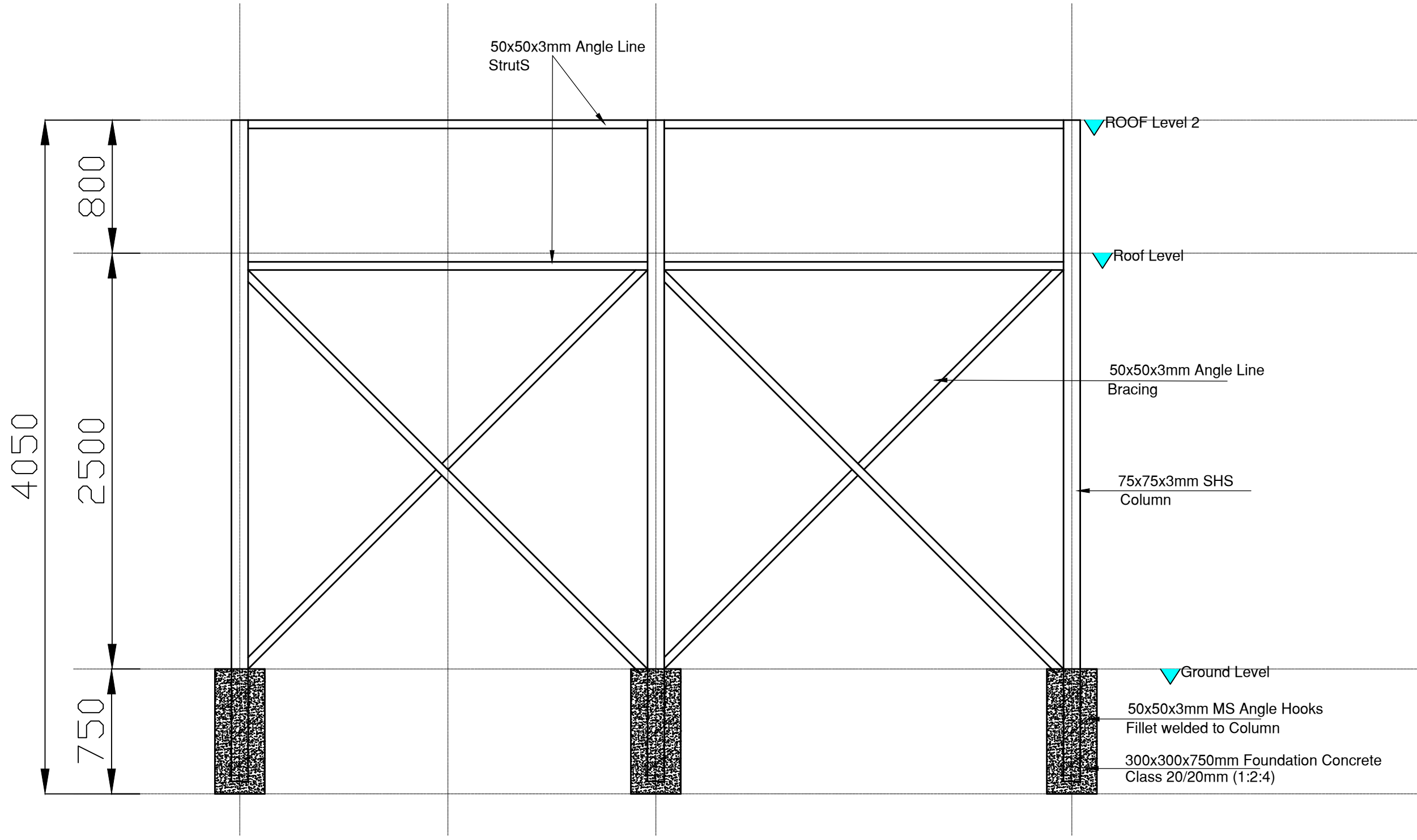
NAME	SIGNATURE	DATE
DESIGN/DRAWN T.O.M		3/09/2021
CHECKED BY ENG.DANIEL KIMUTAI		3/09/2021



FOUNDATION LAYOUT (SCALE 1:20)



SIDE ELEVATION (SCALE 1:20)



REAR ELEVATION (SCALE 1:20)

NOTES

1. This drawing to be read in conjunction with other relevant structural drawings.
2. The Contractor to confirm all dimensions on site before commencing the works.
3. Figured dimensions only to be taken and all dimensions are in millimetres unless stated otherwise.
4. Structural concrete to be class 20/20 (1:2:4)
5. All steel works and excavation works MUST be inspected and approved by the Structural Engineer before concreting is done.

ISSUES

DATE	TO	APPLICATION

REVISIONS

DATE	BY	DESCRIPTIONS

REFERENCE DRAWINGS

No.	DESCRIPTIONS

CLIENT
KVDA **KVDA** KERIO VALLEY DEVELOPMENT AUTHORITY

PROJECT TITLE
PROPOSED DRILLING AND EQUIPPING OF BOREHOLE

DRAWING TITLE
**SOLAR STAND FOUNDATION LAYOUT
SOLAR STAND STEEL DETAILS.**

	DRG No.	
	FILE No.	

SCALE(S) 1:20 FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING

APPROVED BY

NAME	SIGNATURE	DATE
DESIGN/DRAWN T.O.M		2/09/2021
CHECKED BY ENG. D. KIMUTAI		2/09/2021