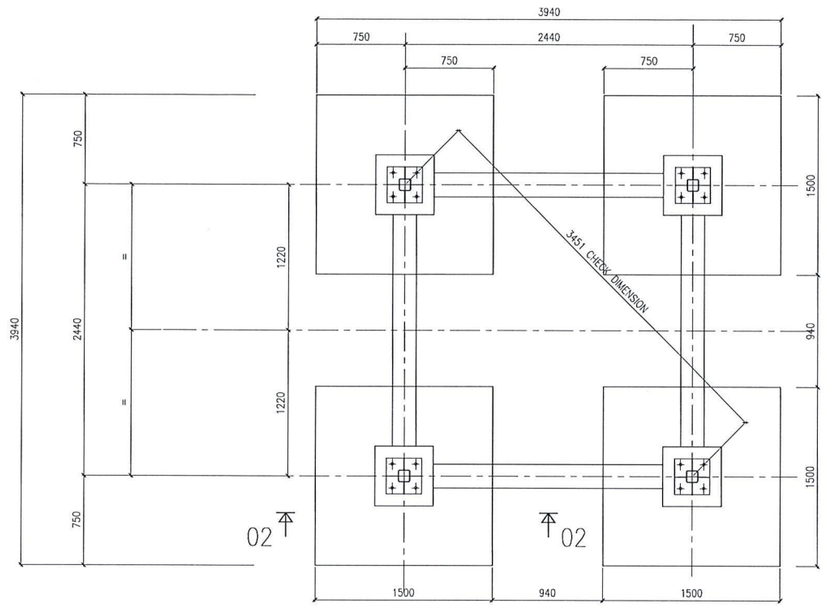
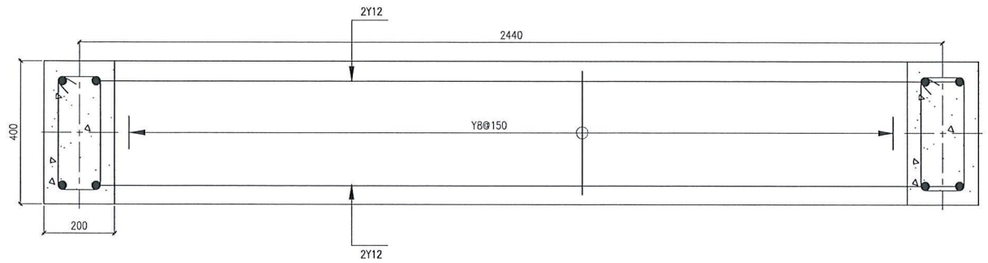
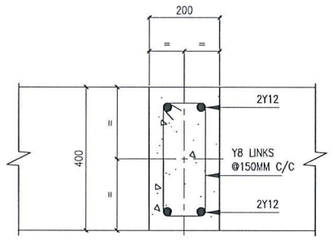


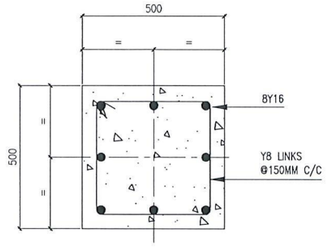
H.D. LAYOUT PLAN



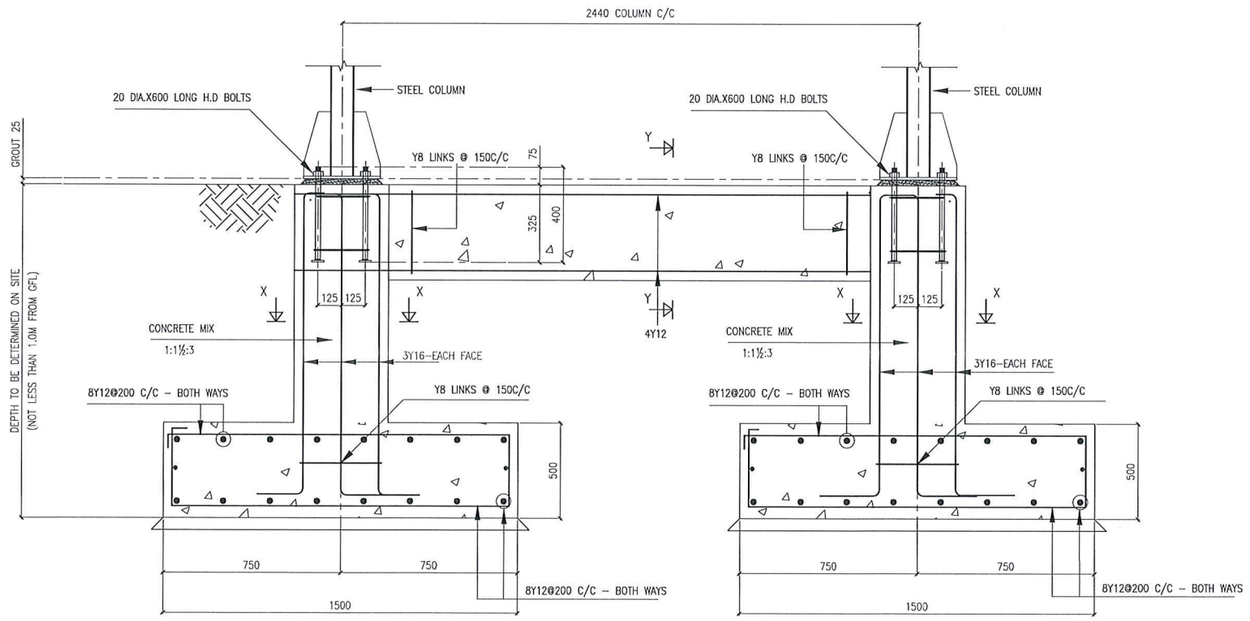
TYPICAL SECTION 01 – 01



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 Fcu 25 N/mm^2
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/mm^2
6. REINFORCEMENT STEEL STRENGTH – 425/250 N/mm^2
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 ±5mm ACCURACY AND SHOULD BE RECAST IF THIS TOLERANCE IS EXCEEDED.
11. CONTRACTOR TO CONFIRM LEVELS OF FOUNDATIONS.
12. ASSUMED GROUND BEARING PRESSURE – 80 KN/M^2

NOTES

1. READ THE DRAWING IN CONJUCTION 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 $24M^3$ PRESSED STEEL TANK ON 12M TOWER

DRAWING TITLE

RC FOUNDATION & H.D. BOLTS LAYOUT DETAILS.

CLIENT

KERIO VALLEY DEVELOPMENT AUTHORITY

ENGINEER

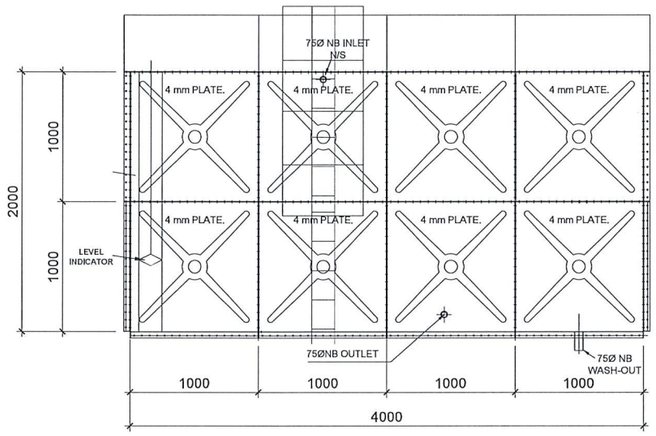
CHIEF ENGINEER KVDA

SCALE: 1:40

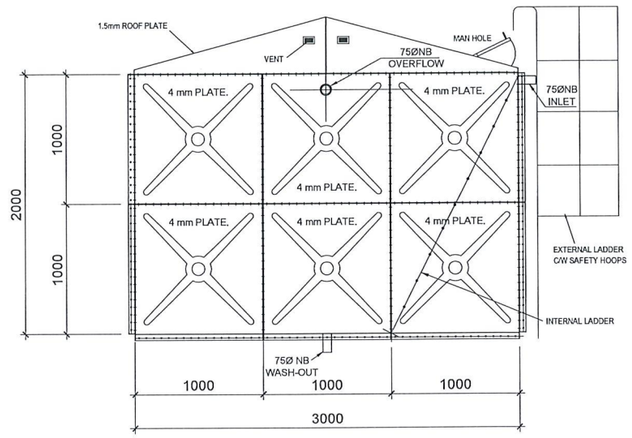
	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/2021
Drawn	T.O.M		18/10/2021
Checked	ENG. KIMUTAI		19/10/2021

DRG No. 01

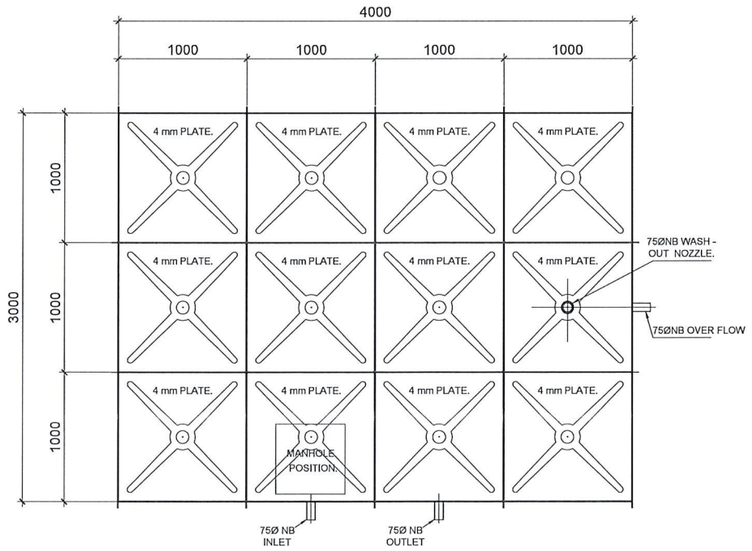
Revision Suffix



SIDE ELEVATION



END ELEVATION



PLAN

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 CONJUCTION 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 24M^3 PRESSED STEEL TANK ON 12M TOWER

DRAWING TITLE

PANEL DETAILS

CLIENT

KERIO VALLEY DEVELOPMENT AUTHORITY

ENGINEER

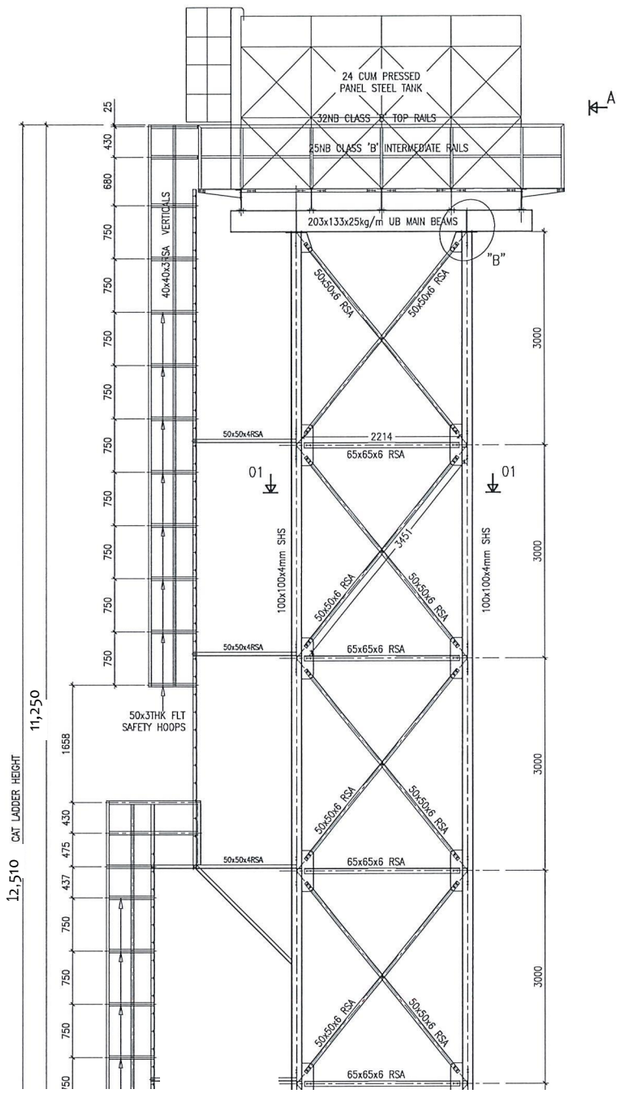
CHIEF ENGINEER KVDA

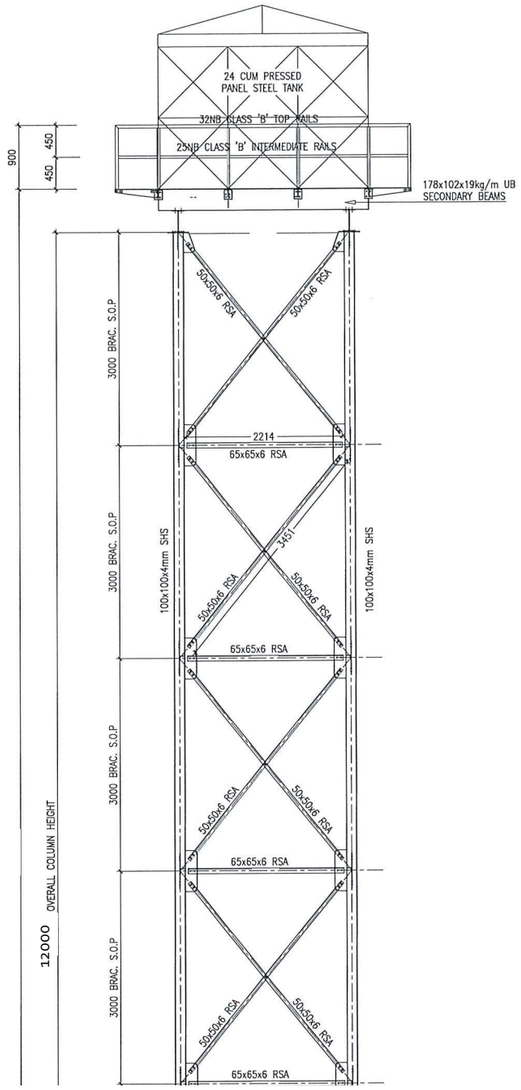
SCALE: 1:50

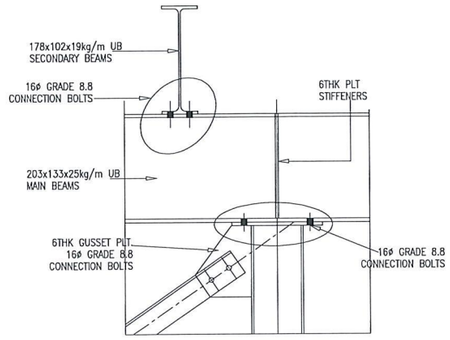
	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/21
Drawn	T.O.M		18/10/21
Checked	ENG .KIMUTAI		19/10/21

DRG No. 02

Revision Suffix







TYPICAL CONNECTION DETAIL AT "A"

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.

NOTES

1. READ THE DRAWING IN CONJUCTION 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 24M^3 PRESSED STEEL TANK ON 12M TOWER.

DRAWING TITLE

ELEVATION DETAILS

CLIENT

KERIO VALLEY DEVELOPMENT AUTHORITY

ENGINEER

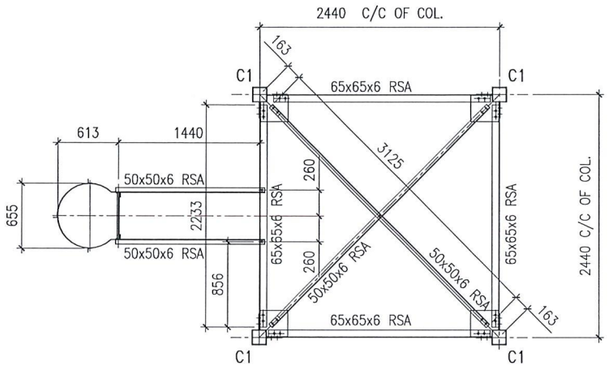
CHIEF ENGINEER KVDA

SCALE: 1:40

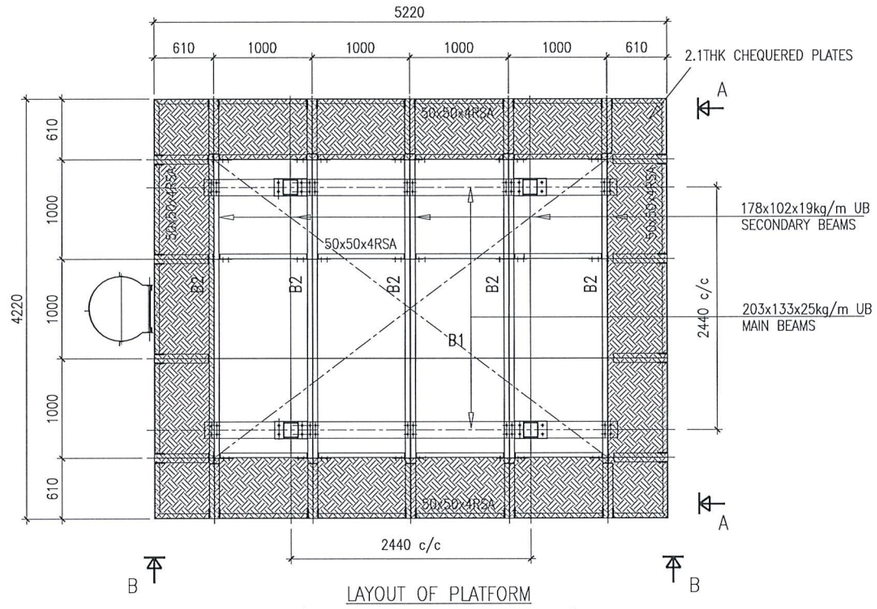
	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/21
Drawn	T.O.M		18/10/21
Checked	ENG. KIMUTAI		19/10/21

DRG No. 03

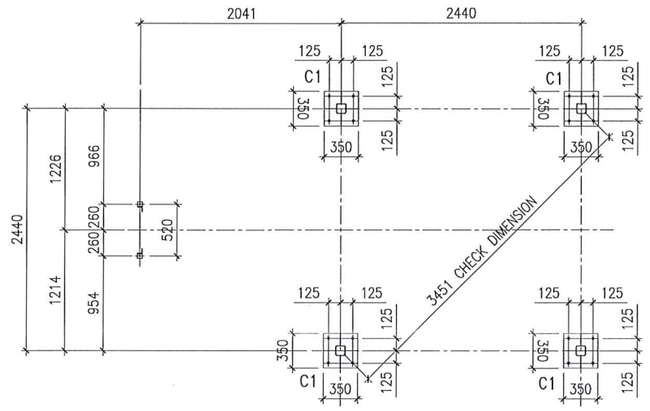
Revision Suffix



SECTION 01 – 01
TYPICAL PLAN ON HORIZONTAL BRACINGS



LAYOUT OF PLATFORM
(PRIMARY & SECONDARY BEAMS)



SECTION 02 – 02
BASE PLATE DETAILS

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.

NOTES

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

PROJECT TITLE:

PROPOSED 24M^3 PRESSED STEEL TANK ON 12M TOWER

DRAWING TITLE

PLATFORM DETAILS

CLIENT

KERIO VALLEY DEVELOPMENT AUTHORITY

ENGINEER

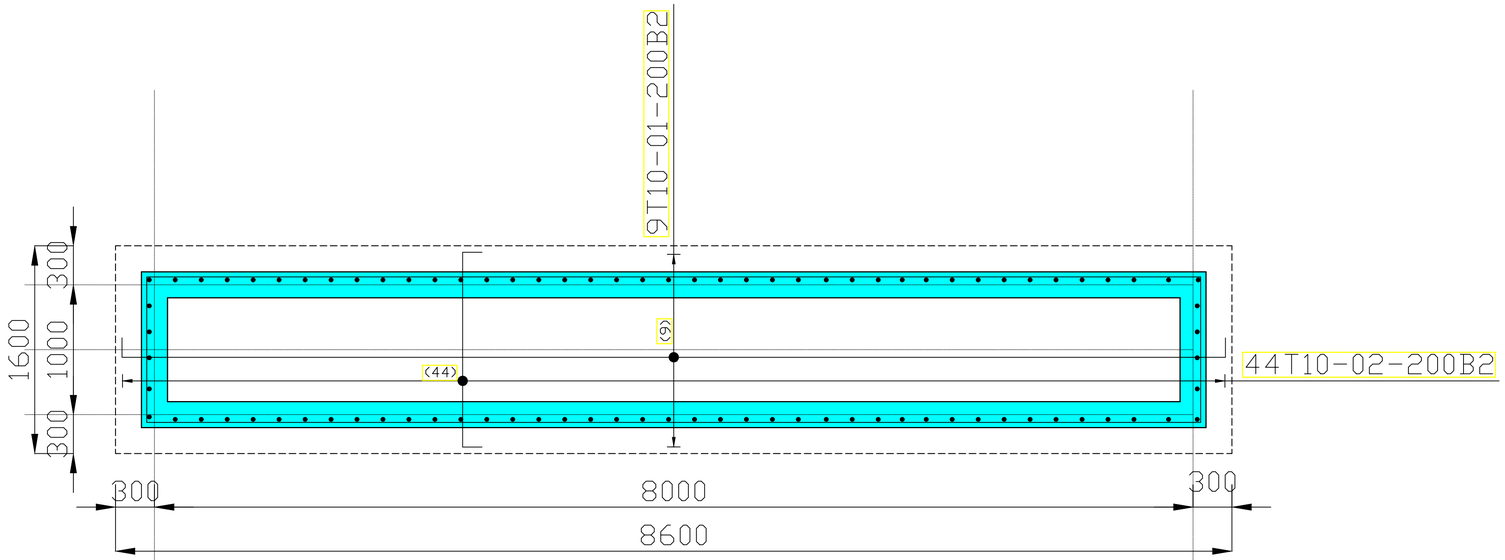
CHIEF ENGINEER KVDA

SCALE: 1:30

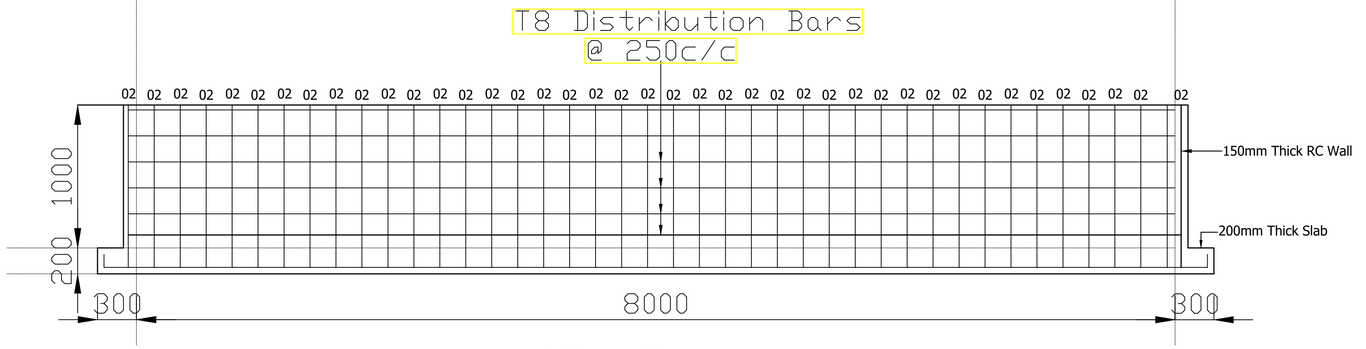
	NAME	SIGNATURE	DATE
Designed	D.K.N		18/10/21
Drawn	T.O.M		18/10/21
Checked	ENG .KIMUTAI		19/10/21

DRG No.
04

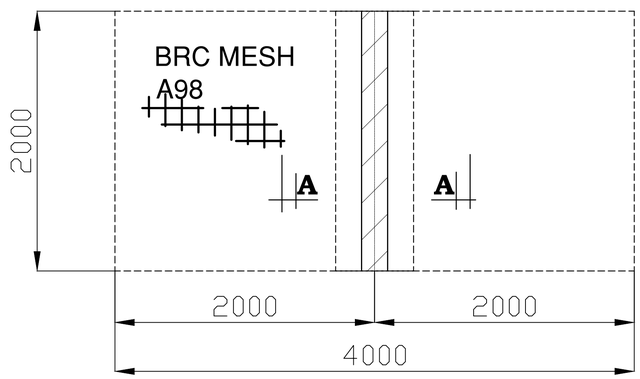
Revision Suffix



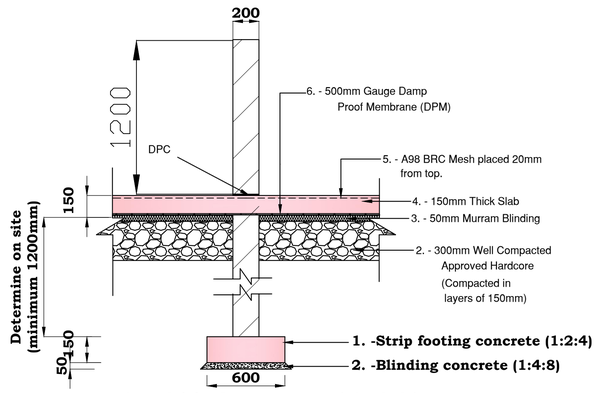
CATTLE TROUGH
FOUNDATION LAYOUT (SCALE 1:25)



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/M 2
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

PROJECT TITLE
PROPOSED DRILLING AND EQUIPPING OF BOREHOLE

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

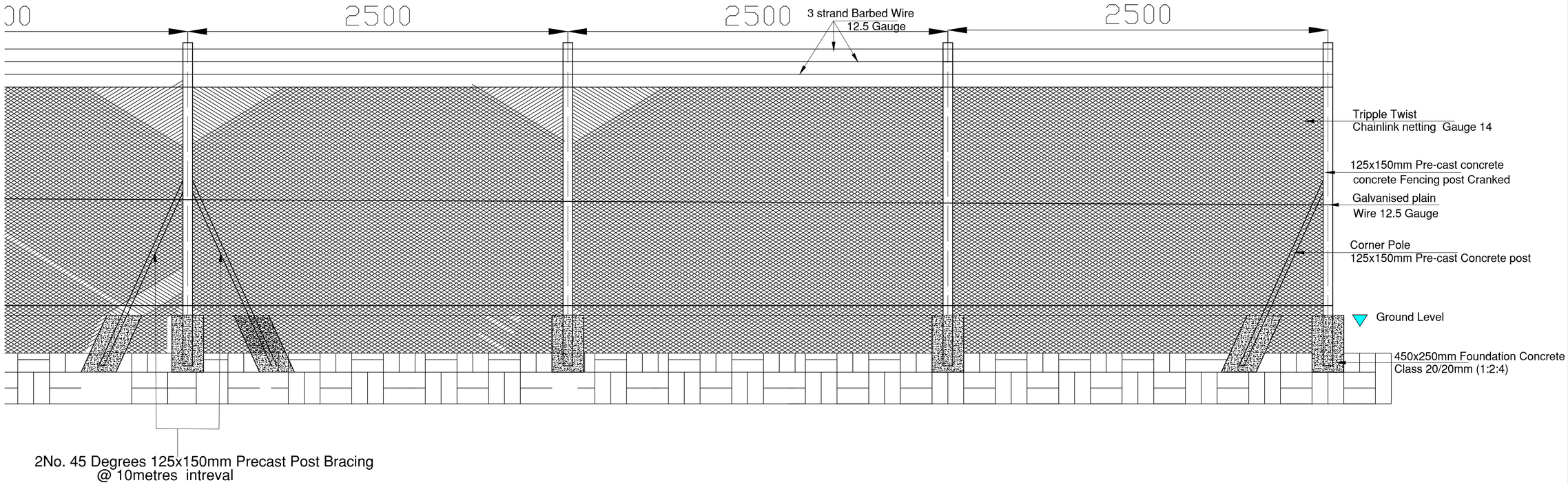
DRG No.
FILE No.

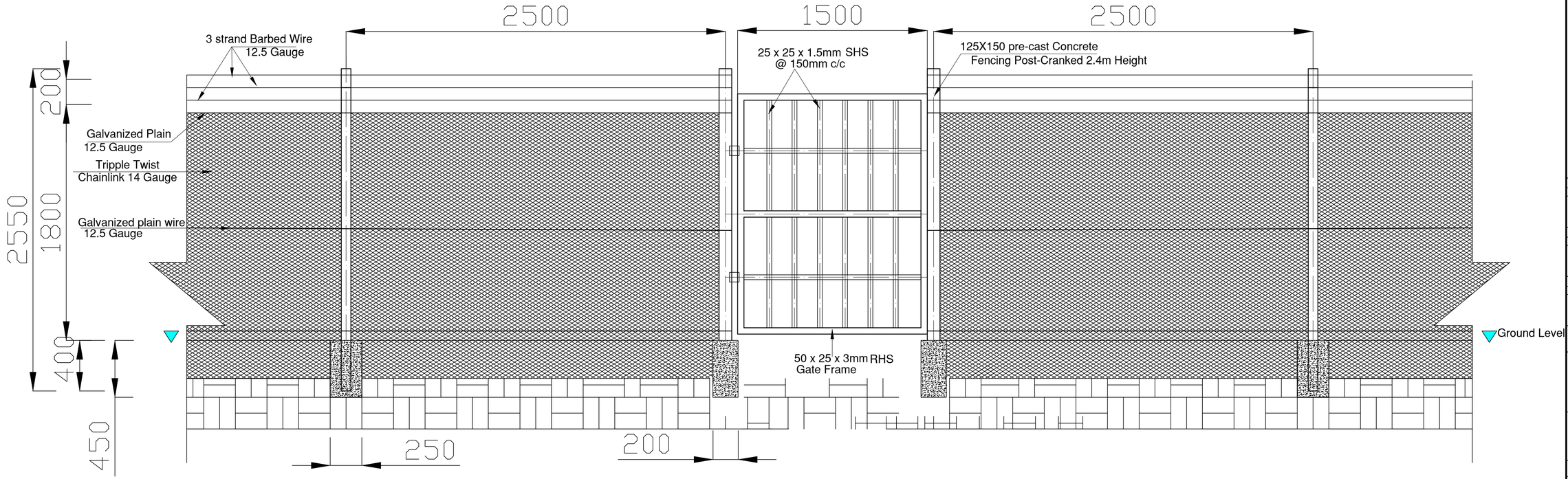
SCALE(S) 1:20

FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING

APPROVED BY

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





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.

DRG No.

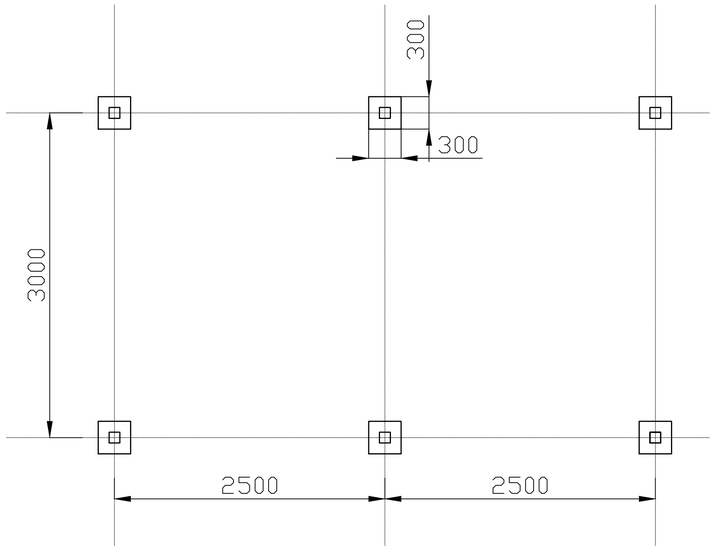
FILE No.

SCALE(S) 1:20

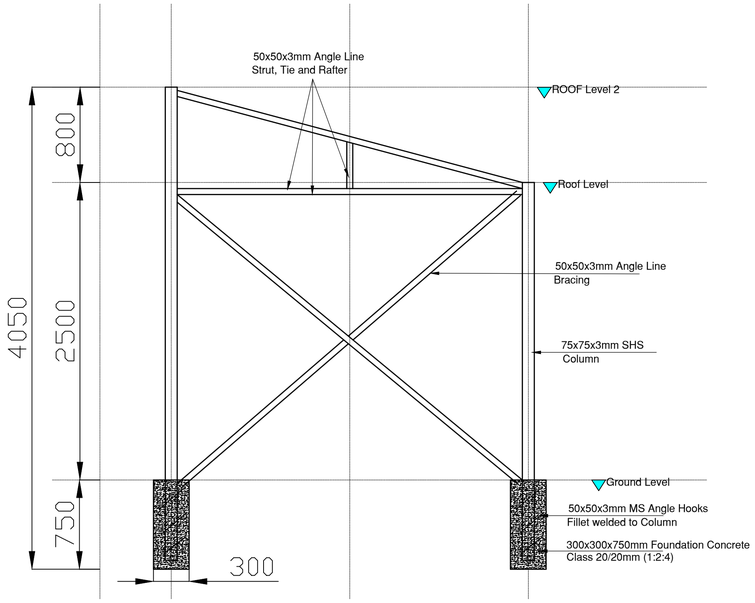
FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING

APPROVED BY

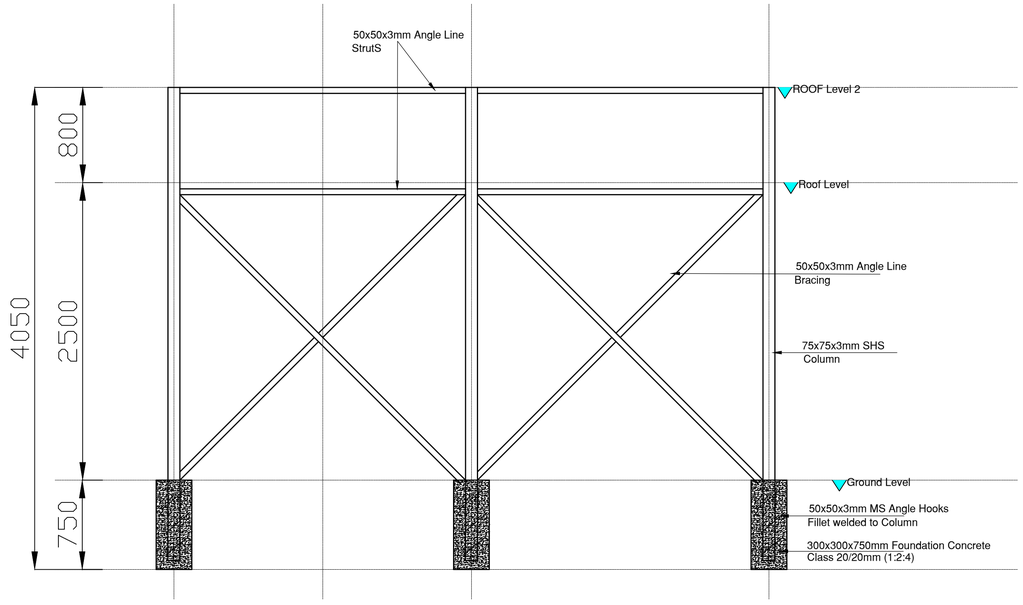
	NAME	SIGNATURE	DATE
DESIGN/DRAWN	T.O.M		3/09/2021
CHECKED BY	ENG.DANIEL KIMUTAI		3/09/2021



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

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