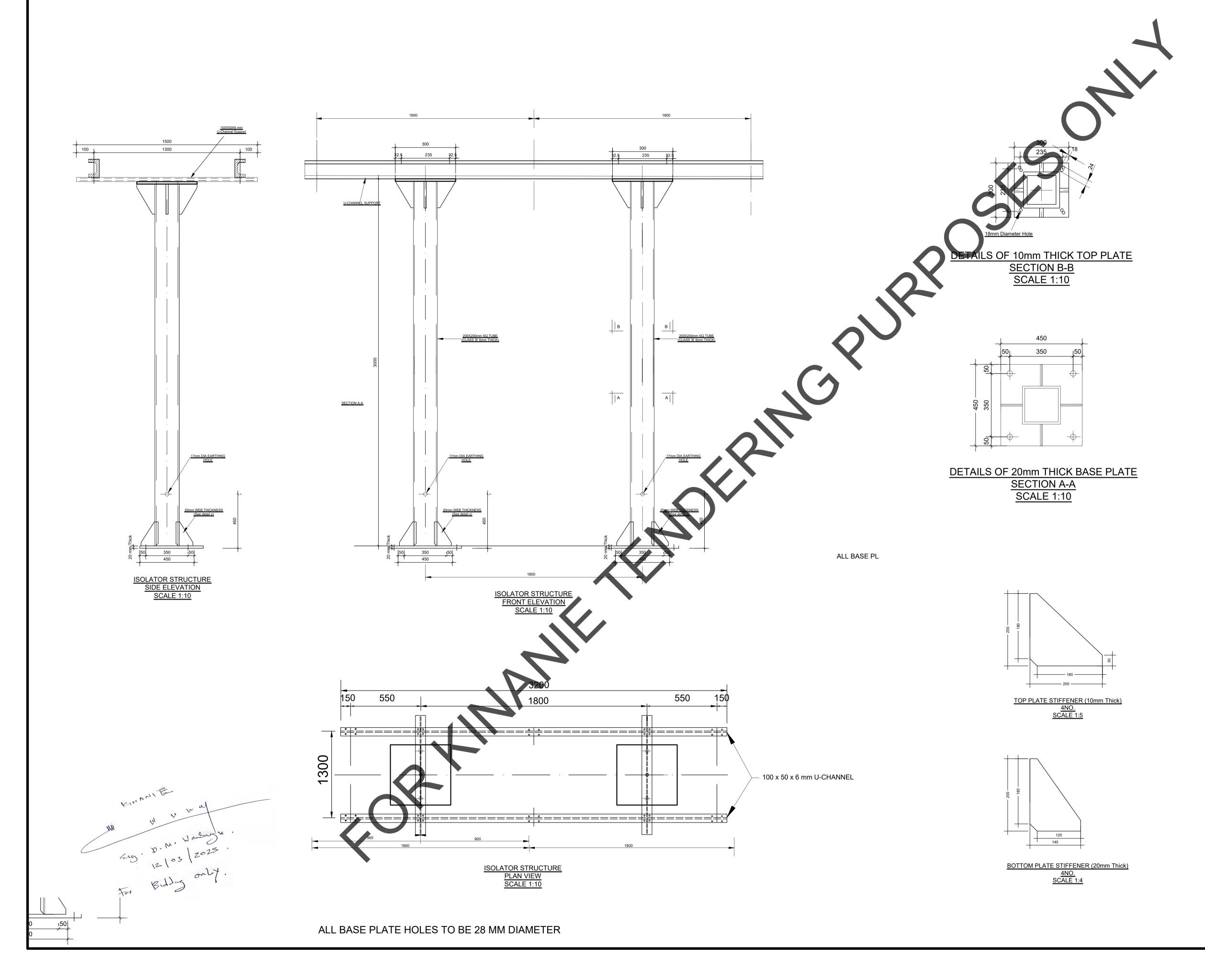


1. All dimensions are in millimeters, unless otherwise stated.						
2. This drawing must not be scaled ,only figured dimensions should be used.						
3.This dra		t be read in o	conjunction	with relev	ant	
4.Reinford grade C20	ced concr 0/25 to BS	ete for all EN 206-1:20	structural e 002, except oof slab (C25	for the gr		
(a) Fou	ndation =	50mm	to be as follo	ows:		
(c) Bea	umns = 40 ms = 30mr os = 25mm	n				
yield strei	ngth of 500	)N/mm2 to B	d bars to E S 4449-2005	5.		
by the Eng	gineer befo	ore being en	olumns mus closed in fo	rmwork.		
iron after be extend	every two ed through	alternate co 1 the columr		noop iron	must	
the R.C. c		ne masonry	between th walling must			
	walling be		ent sand mix 200mm cours			
strength o	of masonry	in accorda	rage compronce with BS vall sections	EN 771 an	d	
12. Mass o	concrete to	be grade 1	2/15 to BS E	N 206-1:20	002.	
Waterpro	ofing plast	er shall be a	be built o applied to th before the s	ne inside c	of the	
	o Enginee	r's approval REVISIC		econa is i	suilt .	
Date	Date Suffix Descriptions Issue					
			NT			
KE	NYA F	POWER	& LIGH	ITING		
		COMPA	ANY			
		PROJE	ECT			
			IL WOF			
			23MVA			
CO	NSTRI	JCTION	DRAW	INGS		
			SFORM			
CIRCUIT TRANSFORMER/ VOLTAGE TRANSFORMER						
66		'EEL S1 SHEET	rructi 001	JRES		
Drawn D.WAITHERA Scale(s) AS INDICATED						
Designed	D.WAITHE	ERA	Date	MARCH, 2	2025	
Checked	d ENG. D.M.WAMBUGU Date MARCH, 2025					
Approved	ENG. D.M.	WAMBUGU	Date	MARCH, 2	2025	
ISSUE DA	TE	MARC	H, 2025	1		
JOB No.						



	NOTES					
1. All dim stated.	1. All dimensions are in millimeters, unless otherwise stated.					
2. This drawing must not be scaled ,only figured dimensions should be used.						
			conjunction	with relev	ant	
4.Reinfor grade C2	ced concre 0/25 to BS	te for all EN 206-1:20	002, except	for the gr		
				,		
(b) Col (c) Bea	umns = 40n ams = 30mm	nm				
					vith a	
					cted	
iron after	every two a	alternate co	ourses. The h		-	
the R.C. o	columns, the	e masonry		-	-	
the stone	walling bei					
strength	of masonry	in accordai	nce with BS	EN 771 an	ıd	
12. Mass	concrete to	be grade 1	2/15 to BS E	N 206-1:20	002.	
Waterpro	ofing plaste	er shall be a	applied to th	e inside c	of the	
Date	Suffix	De	scriptions		Issue	
			NT			
KE	ENYA P	OWER	& LIGH	ITING		
COMPANY						
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ST			••••			
			_			
со	CONSTRUCTION DRAWINGS					
ISOLATOR						
66 KV STEEL STRUCTURES						
SHEET 002						
Deces			Ocalis ( )	A0 117-0		
Drawn Designed						
_						
спескеа	ENG. D.M.V	VAIVIBUGU	Date		2025	
	stated. 2. This dr dimensio 3. This dra Architect 4. Reinfor grade C2 floor slab 5. Cover f (a) Fou (b) Col (c) Bea (d) Sla 6. "H" Del yield stre 7. Reinfor by the En 8. All mas iron after be extend 9. To ens the R.C. C before the 10. All mon the stone mortar jo 11. A min strength BS 5268 s 12. Mass 13. Doub Waterprofirst wall Date FR ST CO	1. All dimensions are stated.         2. This drawing must Architectural drawing         3. This drawing must Architectural drawing         4. Reinforced concregrade C20/25 to BS floor slab (grade C16         5. Cover to main rein (a) Foundation = 5         (b) Columns = 40m         (c) Beams = 30mm         (d) Slabs = 25mm         6."H" Denotes ribbe yield strength of 5000         7. Reinforcement in v by the Engineer before         8. All masonry walls iron after every two a be extended through         9. To ensure enhance the stone walling bein mortar joints.         10. All mortar used to the stone walling bein mortar joints.         11. A minimum of 7.0 strength of masonry BS 5268 should be used the stone walling bein mortar joints.         12. Mass concrete to 13. Double masonry Waterproofing plasts first wall to Engineer         Date       Suffix         G66 KV STEE         SI         Drawn       D.WAITHE         Designed       D.WAITHE	1. All dimensions are in millimet stated.     2. This drawing must not be sca dimensions should be used.     3. This drawing must be read in A Architectural drawings.     4.Reinforced concrete for all grade C20/25 to BS EN 206-1:2 floor slab (grade C16/20), and re 5. Cover to main reinforcement 1 (a) Foundation = 50mm (b) Columns = 40mm (c) Beams = 30mm (d) Slabs = 25mm 6."H" Denotes ribbed high ylel yield strength of 500N/mm2 to E 7. Reinforcement in walls and cc by the Engineer before being en 8. All masonry walls must be rei iron after every two alternate cc be extended through the column 9. To ensure enhanced bonding the R.C. columns, the masonry before the columns are cast.     10. All mortar used to be of cem the stone walling being laid in 2 mortar joints.     11. A minimum of 7.0N/mm2 ave strength of masonry in accorda BS 5268 should be used for all w 12. Mass concrete to be grade 1 13. Double masonry walls to Waterproofing plaster shall be a first wall to Engineer's approval REVISIC Date Suffix De CLIER KENYA POWER COMSTRUCTION BROPOSED CIV STRUCTURES F 66/11KV, 1X22 Drawn D.WAITHERA Designed D.WAITHERA	1. All dimensions are in millimeters, unless of stated.         2. This drawing must not be scaled ,only figrifimensions should be used.         3. This drawing must be read in conjunction Architectural drawings.         4. Reinforced concrete for all structural e grade C20/25 to BS EN 206-1:2002, except floor slab (grade C16/20), and root slab (C25         5. Cover to main reinforcement to be as folk (a) Foundation = 50mm         (b) Columns = 40mm         (c) Beams = 30mm         (d) Slabs = 25mm         6. "H" Denotes ribbed high yield bars to E yield strength of 500N/mm2 to BS 4449-2005         7. Reinforcement in walls and columns must by the Engineer before being enclosed in foi stype the regimeer before being enclosed in foi the stone walling being laid in 200mm cour mortar joints.         9. To ensure enhanced bonding between the the R.C. columns, the masonry walling must before the columns are cast.         10. All mortar used to be of cement sand min the stone walling being laid in 200mm cour mortar joints.         11. A minimum of 7.0N/mm2 average comparts frength of masonry walls to be built of Waterproofing plaster shall be applied to the first wall to Engineer's approval before the set S5268 should be used for all wall sections         12. Mass concrete to be grade 12/15 to BS E         13. Double masonry walls to be built of Waterproofing plaster shall be applied to the first wall to Engineer's approval before the set STRUCTURES FOR KIN 66/11KV, 1X23MVA TO SHEET 002         Drawn         D.WAITHERA       Scale(s) <td>1. All dimensions are in millimeters, unless otherwise     stated.     2. This drawing must not be scaled, only figured     dimonsions should be used.     3. This drawing must be read in conjunction with relev     Architectural drawings.     4. Reinforced concrete for all structural elements 1     grade C20/25 to BS EN 2006-12002, except for the gr floor slab (grade C16/20), and roof slab (C25/30).     5. Cover to main reinforcement to be as follows:         <ul> <li>Foundation = 50mm</li> <li>Columns = 40mm</li> <li>Beams = 30mm</li> <li>Beams = 30mm</li> <li>Beams = 30mm</li> <li>Slabs = 25mm</li> </ul> <li>Scover to main reinforcement to be as follows:     <ul> <li>Foundation = 50m/millimeters</li> <li>Columns = 40mm</li> <li>Beams = 30mm</li> <li>Beams = 30mm</li> <li>Slabs = 25mm</li> </ul> </li> <li>Statist and columns must be insperime to the second in the state of the second in the state of the second in the second with 25mm halon and the second with 25mm the fron after every two alternate courses. The hoop iron be extended through the column sections.</li> <li>To ensure enhanced bonding between the masonny the R.C. columns, the masonny walling must be reliaded the second in 200mm courses with 1 mortar joints.</li> <li>All mortar used to be of cement sand mix 1:3, with the stone walling being laid in 200mm courses with 1 mortar joints.</li> <li>Aminimum of 7.0Nmm2 average compressive strength of the inside of masonny in accordance with BS EN 771 and S 5268 should be used for all wall sections.</li> <li>Mass concrete to be grade 12/15 to BS EN 206-1:20         <ul> <li>Line T</li> <li>REVISIONS</li> </ul> </li> <li>Date Suffix Descriptions and the inside of mason in accordance with B second and to the inside of mason in accordance with B second and to th</li></td>	1. All dimensions are in millimeters, unless otherwise     stated.     2. This drawing must not be scaled, only figured     dimonsions should be used.     3. This drawing must be read in conjunction with relev     Architectural drawings.     4. Reinforced concrete for all structural elements 1     grade C20/25 to BS EN 2006-12002, except for the gr floor slab (grade C16/20), and roof slab (C25/30).     5. Cover to main reinforcement to be as follows: <ul> <li>Foundation = 50mm</li> <li>Columns = 40mm</li> <li>Beams = 30mm</li> <li>Beams = 30mm</li> <li>Beams = 30mm</li> <li>Slabs = 25mm</li> </ul> <li>Scover to main reinforcement to be as follows:     <ul> <li>Foundation = 50m/millimeters</li> <li>Columns = 40mm</li> <li>Beams = 30mm</li> <li>Beams = 30mm</li> <li>Slabs = 25mm</li> </ul> </li> <li>Statist and columns must be insperime to the second in the state of the second in the state of the second in the second with 25mm halon and the second with 25mm the fron after every two alternate courses. 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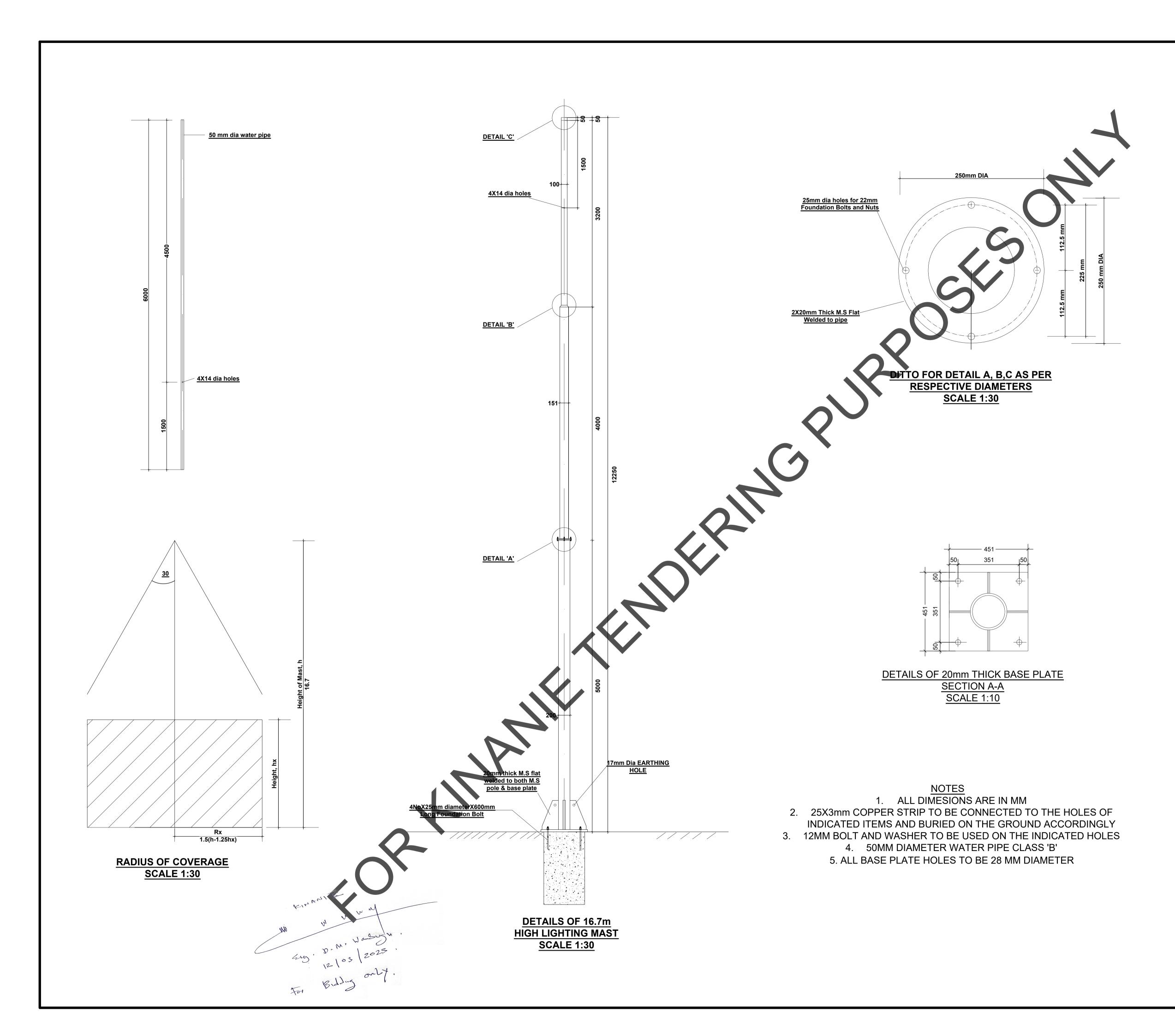
Approved ENG. D.M.WAMBUGU Date

**ISSUE DATE** 

JOB No.

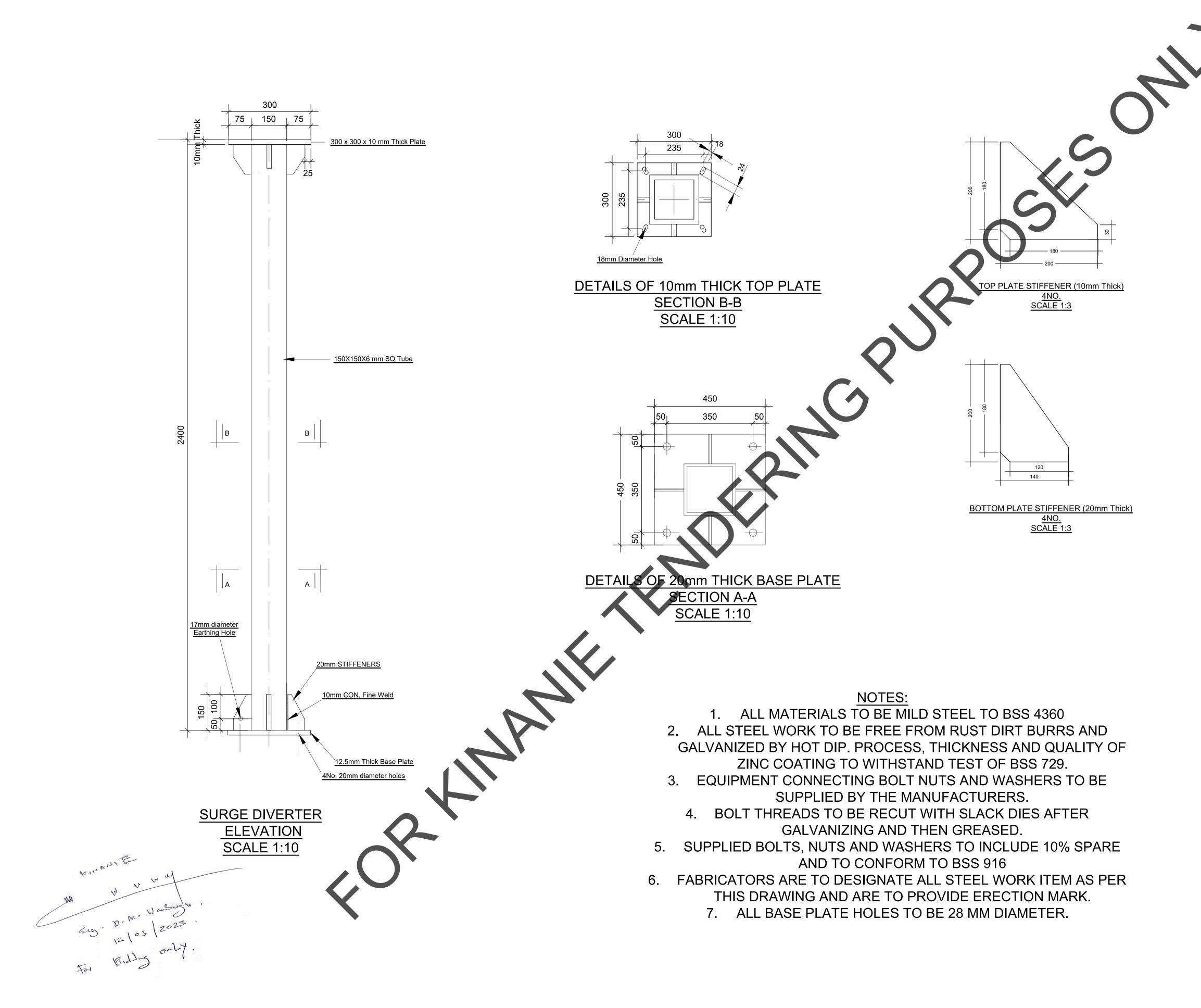
MARCH, 2025

MARCH, 2025



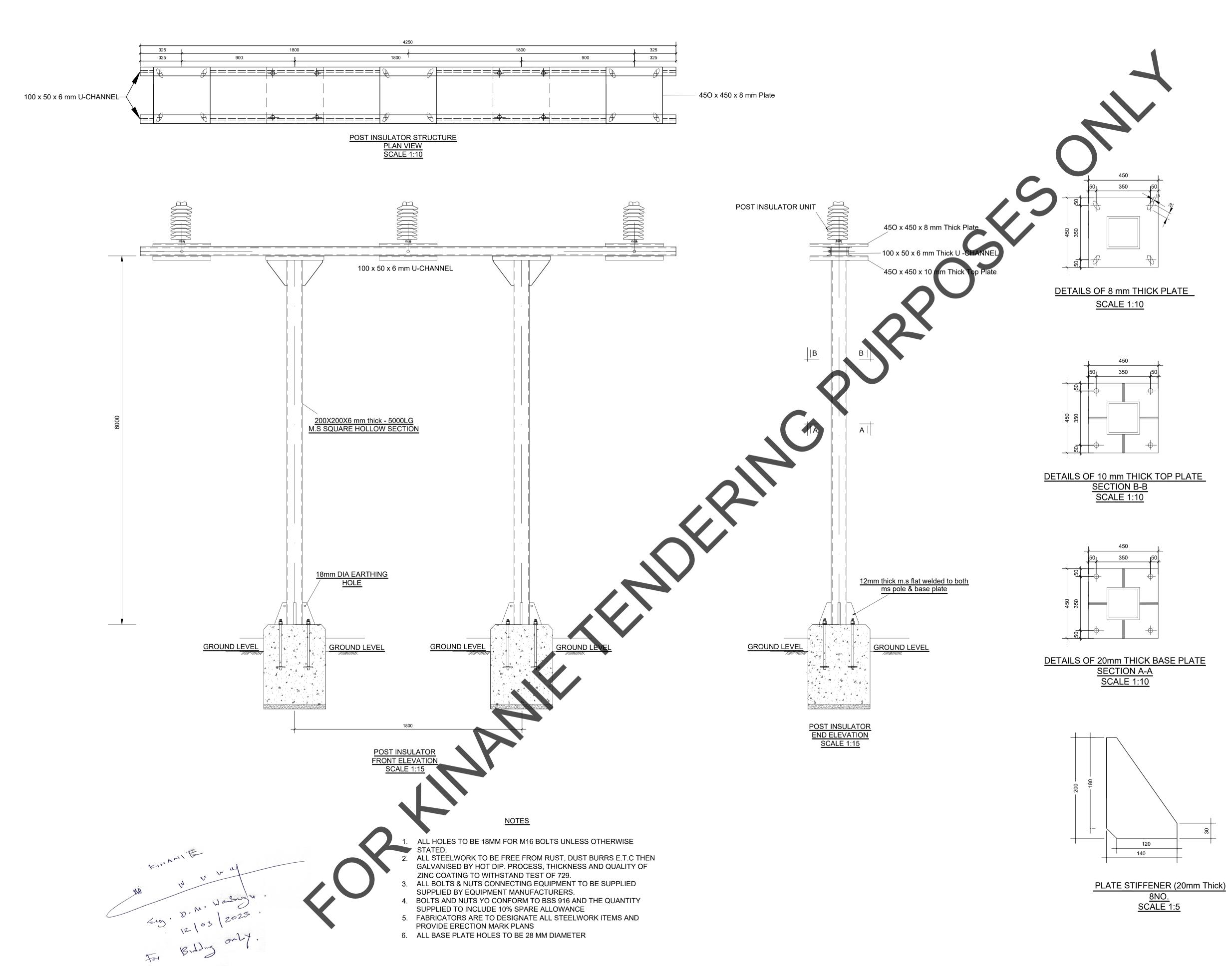
NOTES 1. All dimensions are in millimeters, unless otherwise stated. 2. This drawing must not be scaled ,only figured dimensions should be used. 3.This drawing must be read in conjunction with relevant Architectural drawings. 4.Reinforced concrete for all structural elements to be grade C20/25 to BS EN 206-1:2002, except for the ground floor slab (grade C16/20), and roof slab (C25/30). 5. Cover to main reinforcement to be as follows: (a) Foundation = 50mm
(b) Columns = 40mm (c) Beams = 30mm (d) Slabs = 25mm 6."H" Denotes ribbed high yield bars to BS 4461 with a yield strength of 500N/mm2 to BS 4449-2005. 7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in formwork. 8. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses. The hoop iron must be extended through the column sections. 9. To ensure enhanced bonding between the masonry and the R.C. columns, the masonry walling must be raised first before the columns are cast. 10. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints. 11. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS EN 771 and BS 5268 should be used for all wall sections. 12. Mass concrete to be grade 12/15 to BS EN 206-1:2002. 13. Double masonry walls to be built one at a time. Waterproofing plaster shall be applied to the inside of the first wall to Engineer's approval before the second is built REVISIONS Date Suffix Descriptions CLIENT KENYA POWER & LIGHTING COMPANY PROJECT **PROPOSED CIVIL WORKS &** STRUCTURES FOR KINANIE 66/11KV, 1X23MVA TX **CONSTRUCTION DRAWINGS** LIGHTENING MAST

Drawn	D.WAITH	ERA	Scale(s)	AS INDICATED
Designed	D.WAITH	ERA	Date	MARCH, 2025
Checked	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
Approved	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
ISSUE DA	ATE	TE MARC		
JOB No.				



NOTES					
1. All dimensions are in millimeters, unless otherwise stated.					
2. This drawing must not be scaled ,only figured dimensions should be used.					
3.This drav Architectu		be read in conjunction with relev gs.	ant		
grade C20	/25 to BS	ete for all structural elements t EN 206-1:2002, except for the gr 5/20), and roof slab (C25/30).			
(a) Four (b) Colu (c) Bear	o main rein ndation = 5 mns = 40n ns = 30mm s = 25mm	nm			
		d high yield bars to BS 4461 w N/mm2 to BS 4449-2005.	vith a		
		valls and columns must be inspe re being enclosed in formwork.	cted		
iron after e	every two a	must be reinforced with 25mm ho alternate courses. The hoop iron the column sections.			
	olumns, the	ed bonding between the masonry e masonry walling must be raised are cast.			
	walling bei	o be of cement sand mix 1:3, with ing laid in 200mm courses with 1			
strength of	f masonry	N/mm2 average compressive in accordance with BS EN 771 an sed for all wall sections.	ıd		
		be grade 12/15 to BS EN 206-1:20			
Waterproo	fing plaste	y walls to be built one at a er shall be applied to the inside o 's approval before the second is	of the		
		REVISIONS			
Date	Suffix	Descriptions	Issue		
	1	CLIENT	I		
KE		OWER & LIGHTING			
		PROJECT			
PROPOSED CIVIL WORKS & STRUCTURES FOR KINANIE 66/11KV, 1X23MVA TX					
CONSTRUCTION DRAWINGS					
SURGE DIVERTER					
66	6 KV S	TEEL STRUCTURES SHEET 004	3		

Drawn	D.WAITHE	ERA	Scale(s)	AS INDICATED
Designed	D.WAITHE	ERA	Date	MARCH, 2025
Checked	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
Approved	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
ISSUE DA	DATE MARC		H, 2025	
JOB No.				



1. All dimensions are in millimeters, unless otherwise stated.

2. This drawing must not be scaled ,only figured dimensions should be used.

3. This drawing must be read in conjunction with relevant Architectural drawings.

4.Reinforced concrete for all structural elements to be grade C20/25 to BS EN 206-1:2002, except for the ground floor slab (grade C16/20), and roof slab (C25/30).

5. Cover to main reinforcement to be as follows: (a) Foundation = 50mm

- (b) Columns = 40mm (c) Beams = 30mm
- (d) Slabs = 25mm

6."H" Denotes ribbed high yield bars to BS 4461 with a yield strength of 500N/mm2 to BS 4449-2005.

7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in formwork.

8. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses. The hoop iron must be extended through the column sections.

9. To ensure enhanced bonding between the masonry and the R.C. columns, the masonry walling must be raised first before the columns are cast.

10. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints.

11. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS EN 771 and BS 5268 should be used for all wall sections.

12. Mass concrete to be grade 12/15 to BS EN 206-1:2002.

13. Double masonry walls to be built one at a time. Waterproofing plaster shall be applied to the inside of the first wall to Engineer's approval before the second is built .

REVISIONS					
Date	Suffix	Descriptions	lssue		

## CLIENT

**KENYA POWER & LIGHTING** COMPANY

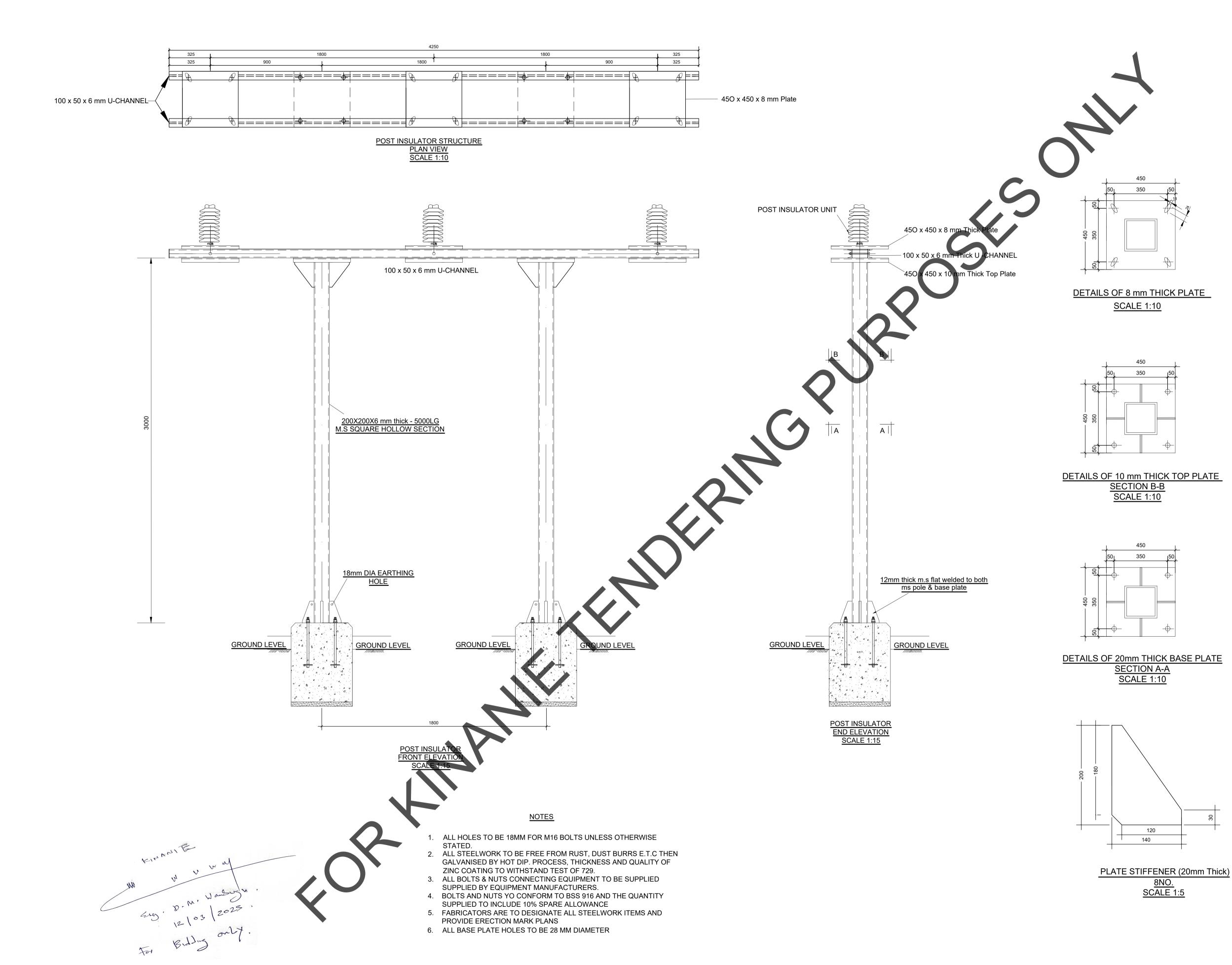
## PROJECT

**PROPOSED CIVIL WORKS &** STRUCTURES FOR KINANIE 66/11KV, 1X23MVA TX

CONSTRUCTION DRAWINGS

# POST INSULATOR (HIGH-LEVEL)

Drawn	D.WAITH	ERA	Scale(s)	AS INDICATED
Designed	D.WAITH	ERA	Date	MARCH, 2025
Checked	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
Approved	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
ISSUE DA	ATE MARC		H, 2025	
JOB No.				



1. All dimensions are in millimeters, unless otherwise stated.

2. This drawing must not be scaled ,only figured dimensions should be used.

3.This drawing must be read in conjunction with relevant Architectural drawings.

4.Reinforced concrete for all structural elements to be grade C20/25 to BS EN 206-1:2002, except for the ground floor slab (grade C16/20), and roof slab (C25/30).

5. Cover to main reinforcement to be as follows:

(a) Foundation = 50mm (b) Columns = 40mm

(c) Beams = 30mm

(d) Slabs = 25mm

6."H" Denotes ribbed high yield bars to BS 4461 with a yield strength of 500N/mm2 to BS 4449-2005.

7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in formwork.

8. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses. The hoop iron must be extended through the column sections.

9. To ensure enhanced bonding between the masonry and the R.C. columns, the masonry walling must be raised first before the columns are cast.

10. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints.

11. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS EN 771 and BS 5268 should be used for all wall sections.

12. Mass concrete to be grade 12/15 to BS EN 206-1:2002.

13. Double masonry walls to be built one at a time. Waterproofing plaster shall be applied to the inside of the first wall to Engineer's approval before the second is built

REVISIONS					
Date	Suffix	Descriptions	lssue		

# CLIENT

KENYA POWER & LIGHTING COMPANY

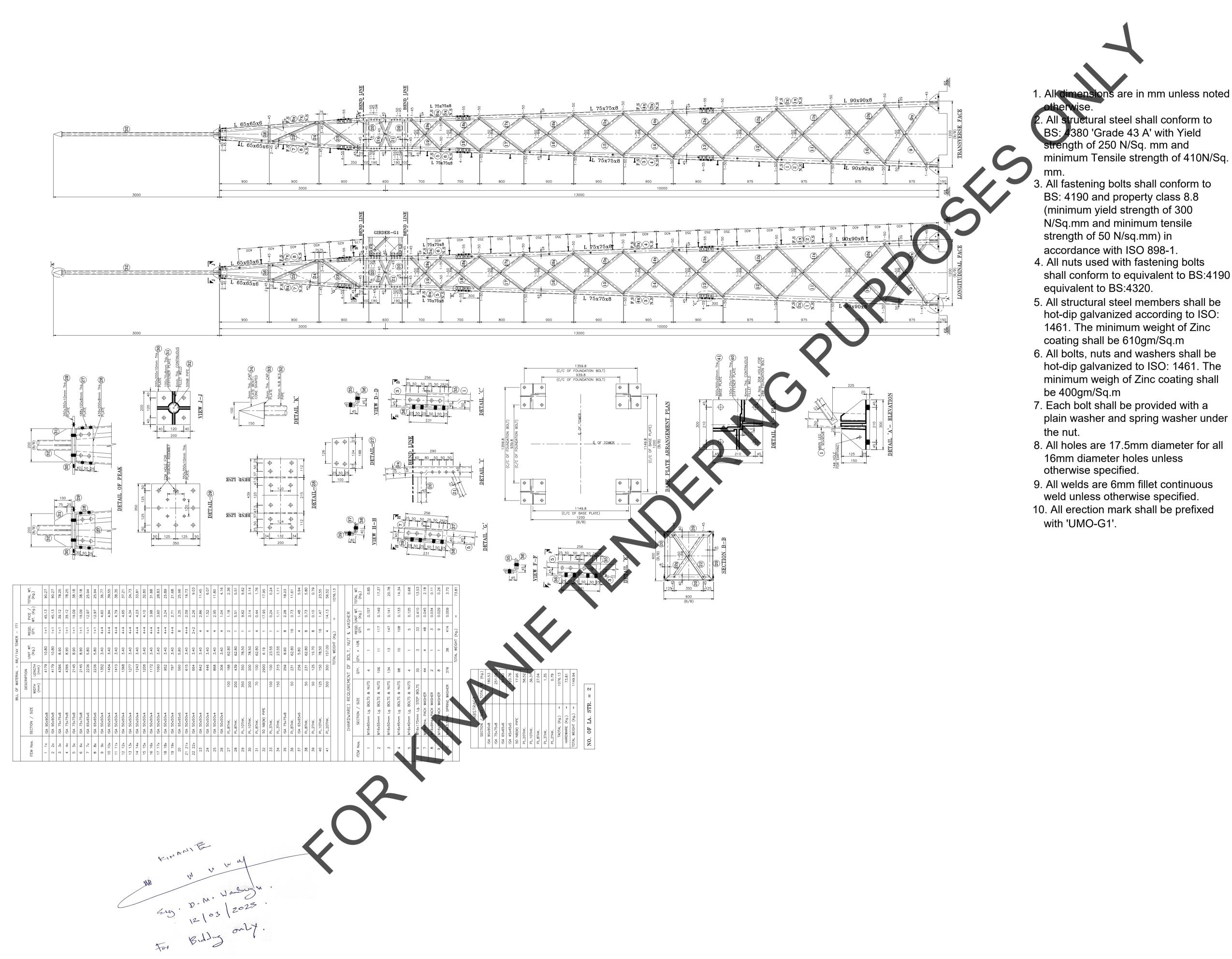
## PROJECT

**PROPOSED CIVIL WORKS &** STRUCTURES FOR KINANIE 66/11KV, 1X23MVA TX

**CONSTRUCTION DRAWINGS** 

# POST INSULATOR (LOW LEVEL)

Drawn	D.WAITHI	ERA	Scale(s)	AS INDICATED
Designed	D.WAITHI	ERA	Date	MARCH, 2025
Checked	ENG. D.M.WAMBUGU		Date	MARCH, 2025
Approved	ENG. D.M.WAMBUGU		Date	MARCH, 2025
ISSUE DA	ATE	MARC	H, 2025	
JOB No.				



1. All dimensions are in millimeters, unless otherwise stated.

2. This drawing must not be scaled ,only figured dimensions should be used.

3.This drawing must be read in conjunction with relevant Architectural drawings.

4.Reinforced concrete for all structural elements to be grade C20/25 to BS EN 206-1:2002, except for the ground floor slab (grade C16/20), and roof slab (C25/30).

5. Cover to main reinforcement to be as follows: (a) Foundation = 50mm

- (b) Columns = 40mm
- Beams = 30mm (C)
- (d) Slabs = 25mm

6."H" Denotes ribbed high yield bars to BS 4461 with a yield strength of 500N/mm2 to BS 4449-2005.

7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in formwork.

8. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses. The hoop iron must be extended through the column sections.

9. To ensure enhanced bonding between the masonry and the R.C. columns, the masonry walling must be raised first before the columns are cast.

10. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints.

11. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS EN 771 and BS 5268 should be used for all wall sections.

12. Mass concrete to be grade 12/15 to BS EN 206-1:2002.

13. Double masonry walls to be built one at a time. Waterproofing plaster shall be applied to the inside of the first wall to Engineer's approval before the second is built .

REVISIONS	
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Date	Suffix	Descriptions	lssue

# CLIENT

KENYA POWER & LIGHTING COMPANY

## PROJECT

**PROPOSED CIVIL WORKS &** STRUCTURES FOR KINANIE 66/11KV, 1X23MVA TX

## **CONSTRUCTION DRAWINGS**

# **GANTRY/BUS-BAR** (TOWER)

# 66 KV STEEL STRUCTURES SHEET 007

Drawn	D.WAITH	ERA	Scale(s)	AS INDICATED
Designed	D.WAITH	ERA	Date	MARCH, 2025
Checked	ENG. D.M.WAMBUGU		Date	MARCH, 2025
Approved	ENG. D.M.WAMBUGU		Date	MARCH, 2025
ISSUE DA	ATE MARC		H, 2025	
JOB No.				

ons are in mm unless noted

tructural steel shall conform to BS: 4380 'Grade 43 A' with Yield strength of 250 N/Sq. mm and minimum Tensile strength of 410N/Sq.

3. All fastening bolts shall conform to BS: 4190 and property class 8.8 (minimum yield strength of 300 N/Sq.mm and minimum tensile

shall conform to equivalent to BS:4190

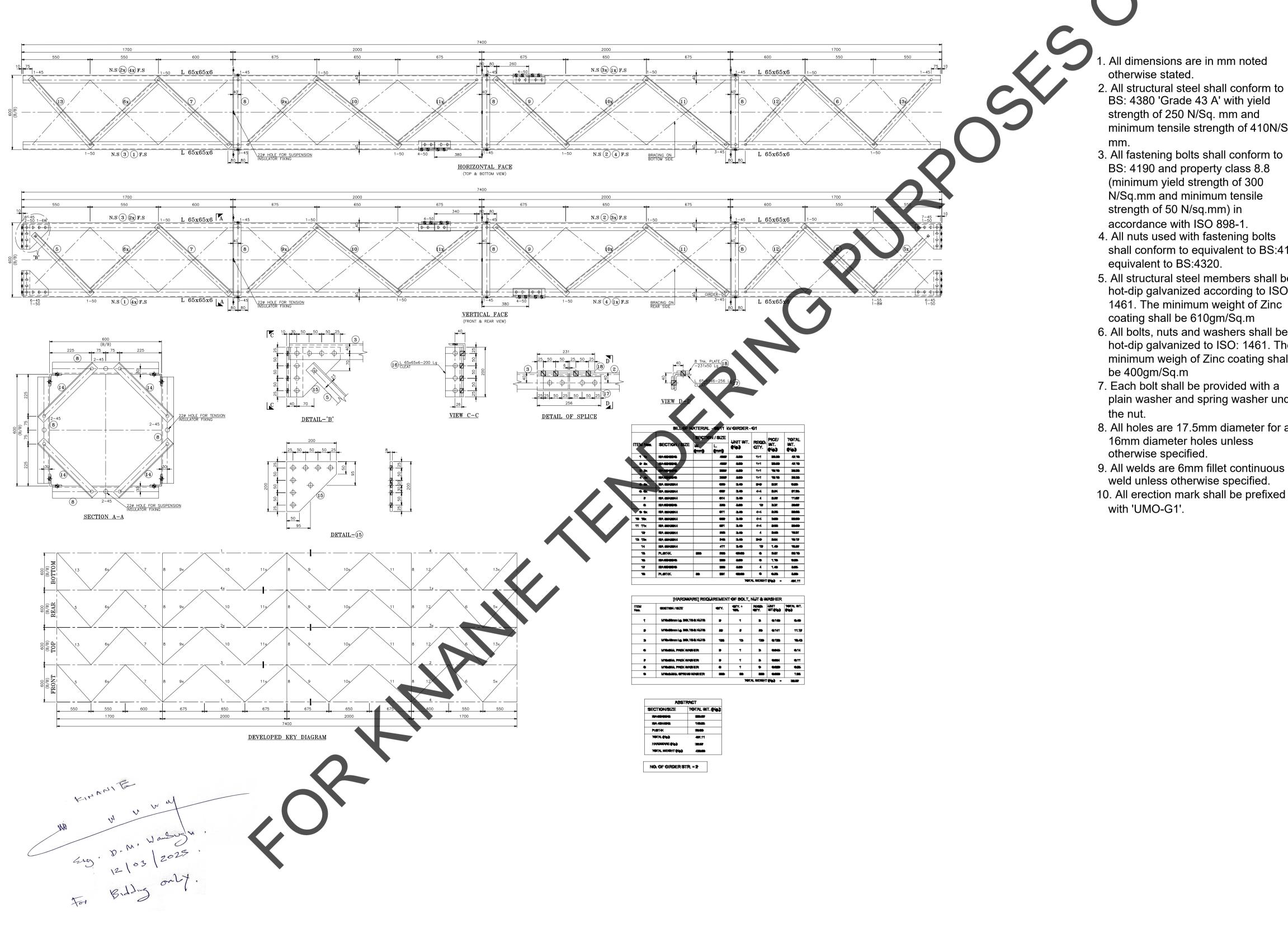
5. All structural steel members shall be hot-dip galvanized according to ISO:

6. All bolts, nuts and washers shall be hot-dip galvanized to ISO: 1461. The minimum weigh of Zinc coating shall

7. Each bolt shall be provided with a

8. All holes are 17.5mm diameter for all

9. All welds are 6mm fillet continuous



TOTAL WT. 🌾
205.97
148.85
35.99
401.11
32.57
439.00

minimum tensile strength of 410N/Sq.

shall conform to equivalent to BS:4190 5. All structural steel members shall be hot-dip galvanized according to ISO: 1461. The minimum weight of Zinc 6. All bolts, nuts and washers shall be hot-dip galvanized to ISO: 1461. The

minimum weigh of Zinc coating shall

plain washer and spring washer under

8. All holes are 17.5mm diameter for all

### NOTES

1. All dimensions are in millimeters, unless otherwise stated.

2. This drawing must not be scaled ,only figured dimensions should be used.

3. This drawing must be read in conjunction with relevant Architectural drawings.

4.Reinforced concrete for all structural elements to be grade C20/25 to BS EN 206-1:2002, except for the ground floor slab (grade C16/20), and roof slab (C25/30).

5. Cover to main reinforcement to be as follows: (a) Foundation = 50mm

Columns = 40mm (C) Beams = 30mm

(d) Slabs = 25mm

6."H" Denotes ribbed high yield bars to BS 4461 with a yield strength of 500N/mm2 to BS 4449-2005.

7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in formwork.

8. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses. The hoop iron must be extended through the column sections.

9. To ensure enhanced bonding between the masonry and the R.C. columns, the masonry walling must be raised first before the columns are cast.

10. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints.

11. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS EN 771 and BS 5268 should be used for all wall sections.

12. Mass concrete to be grade 12/15 to BS EN 206-1:2002.

13. Double masonry walls to be built one at a time. Waterproofing plaster shall be applied to the inside of the first wall to Engineer's approval before the second is built .

REVISIONS				
Date	Suffix	Descriptions	lssue	

## CLIENT

KENYA POWER & LIGHTING COMPANY

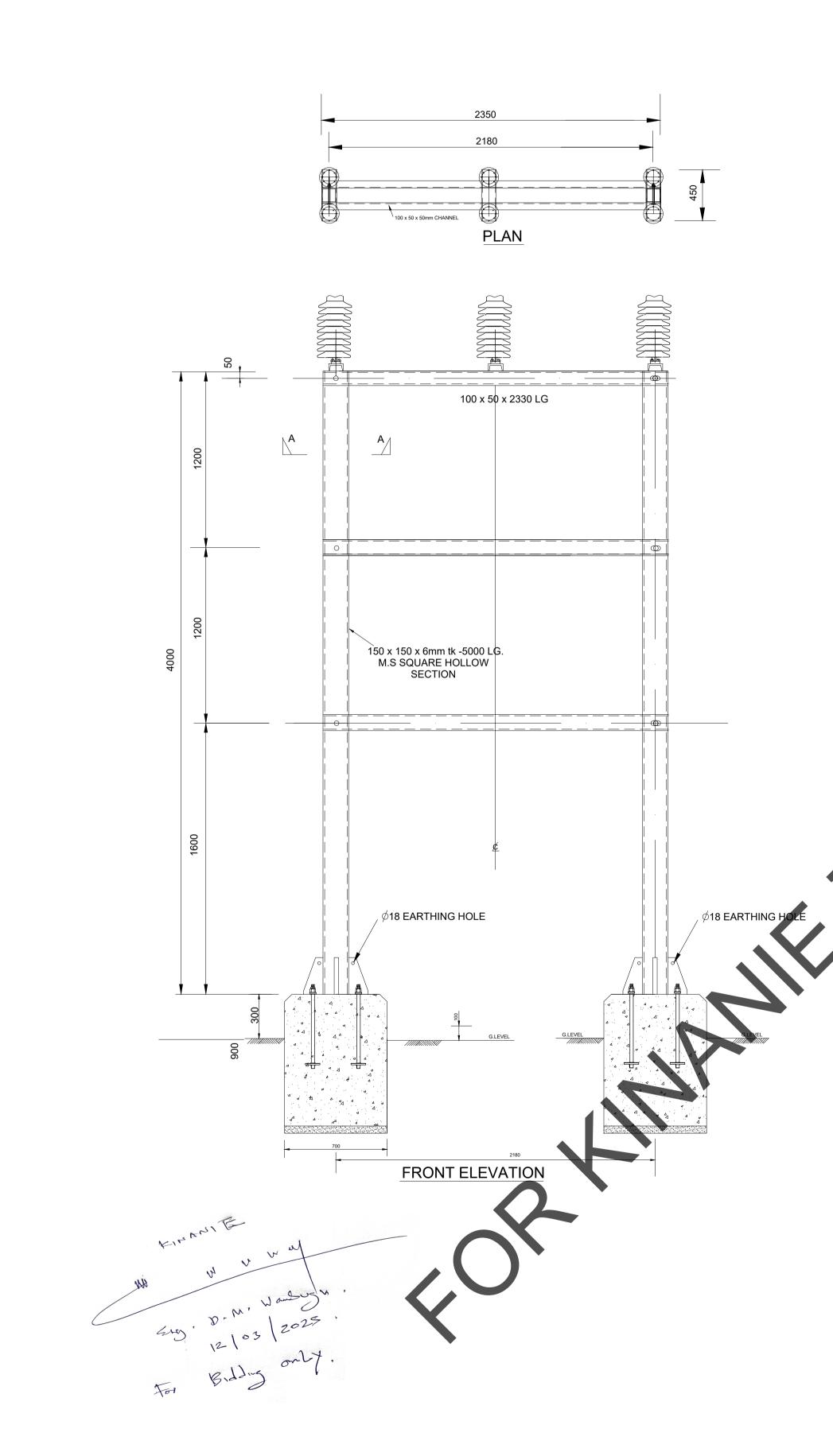
# PROJECT

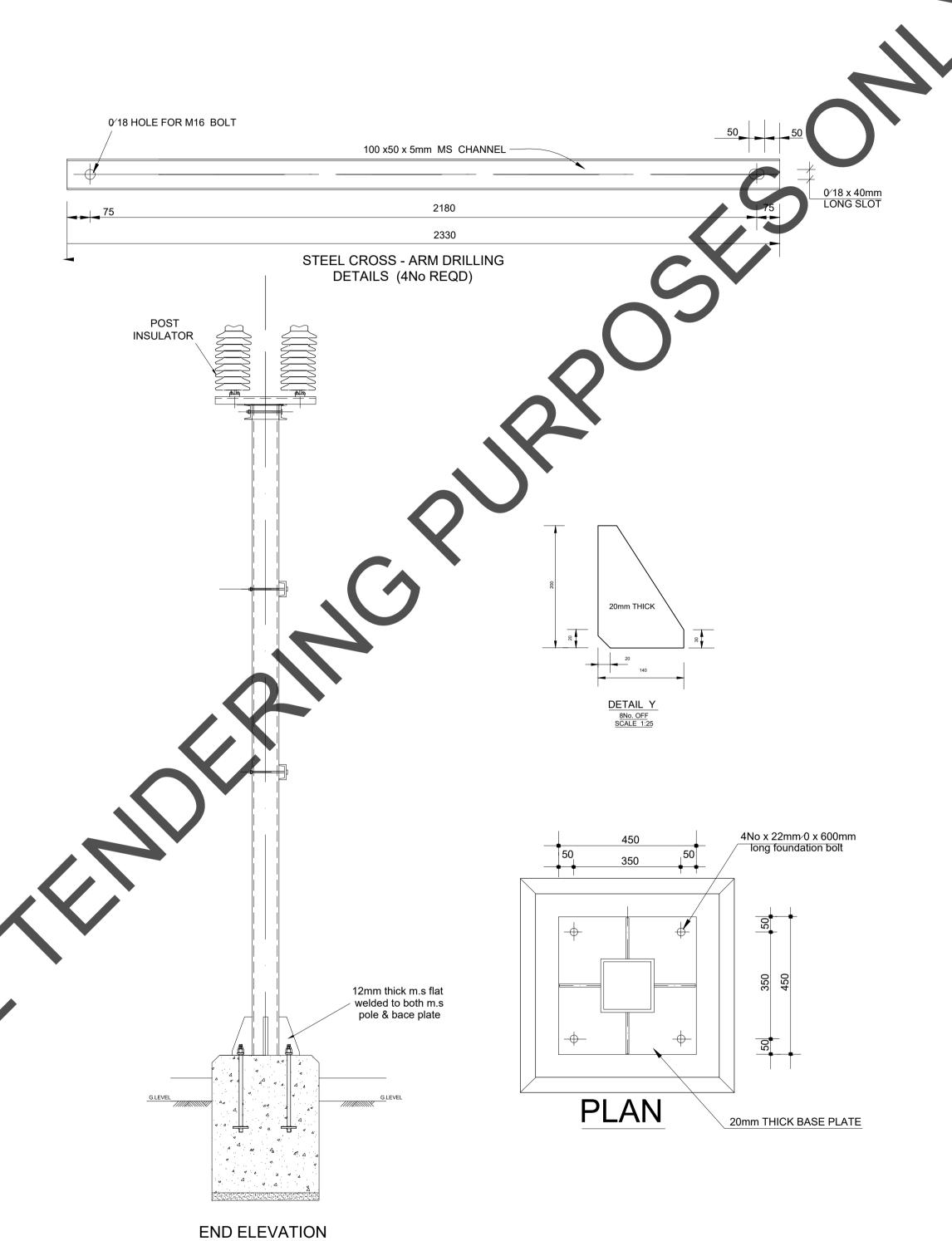
**PROPOSED CIVIL WORKS &** STRUCTURES FOR KINANIE 66/11KV, 1X23MVA TX

**CONSTRUCTION DRAWINGS** 

GANTRY (BOOM)

Drawn	D.WAITHE	ERA	Scale(s)	AS INDICATED
Designed	D.WAITHE	ERA	Date	MARCH, 2025
Checked	ENG. D.M.	.WAMBUGU	Date	MARCH, 2025
Approved	ENG. D.M.	.WAMBUGU	Date	MARCH, 2025
ISSUE DATE MARC		H, 2025		
JOB No.				





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2. This drawing must not be scaled ,only figured dimensions should be used.

3.This drawing must be read in conjunction with relevant Architectural drawings.

4.Reinforced concrete for all structural elements to be grade C20/25 to BS EN 206-1:2002, except for the ground floor slab (grade C16/20), and roof slab (C25/30).

5. Cover to main reinforcement to be as follows:(a) Foundation = 50mm

- (b) Columns = 40mm(c) Beams = 30mm
- (d) Slabs = 25mm

6."H" Denotes ribbed high yield bars to BS 4461 with a yield strength of 500N/mm2 to BS 4449-2005.

7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in formwork.

8. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses. The hoop iron must be extended through the column sections.

9. To ensure enhanced bonding between the masonry and the R.C. columns, the masonry walling must be raised first before the columns are cast.

10. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints.

11. A minimum of 7.0N/mm2 average compressive strength of masonry in accordance with BS EN 771 and BS 5268 should be used for all wall sections.

12. Mass concrete to be grade 12/15 to BS EN 206-1:2002.

13. Double masonry walls to be built one at a time. Waterproofing plaster shall be applied to the inside of the first wall to Engineer's approval before the second is built .

	-				
REVISIONS					
Date	Suffix	Descriptions			

# **CLIENT**

KENYA POWER & LIGHTING COMPANY

# PROJECT

# PROPOSED CIVIL WORKS & STRUCTURES FOR KINANIE 66/11KV, 1X23MVA TX

CONSTRUCTION DRAWINGS

# CABLE SUPPORT

Drawn	D.WAITH	ERA	Scale(s)	AS INDICATED
Designed	D.WAITH	ERA	Date	MARCH, 2025
Checked	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
Approved	ENG. D.M.	WAMBUGU	Date	MARCH, 2025
ISSUE DATE MARC		H, 2025		
JOB No.				