

SCHEDULE OF OPENINGS			
DOORS			
UPVC	ED	3000 X 2400	
UPVC	D1	1500 X 2400	
UPVC	*D2	1000 X 2400	
WOODEN: MATHI/NANDI FRAME WITH SOLID CORE RIGID COMPOSITE POLYMER LAMINATED SAL WOOD SHUTTER	D3	750 X 2400	
DOOR OPENING	D/O-1	1500 X 2400	
DOOR OPENING	D/O-2	900 X 2400	
WINDOWS/VENTILATORS (UPVC)			
WINDOWS (UPVC SLIDING)	W1	2000 X 1500	
WINDOWS (UPVC FIXED)	W2-FG	1800 X 1500	
WINDOWS (UPVC SLIDING)	W3	1800 X 1500	
VENTILATORS (UPVC "Z" TYPE)	V1	2000 X 450	
VENTILATORS (UPVC LOUVERS)	V2	900 X 450	
VENTILATORS (UPVC "Z" TYPE)	V3	1800 X 450	
*D2 FOR BATTERY ROOM WITH LOUVERS AT BOTTOM			
LEVEL STATEMENT			
FINISHED GROUND LEVEL (FGL)		+0.00	
FINISHED FLOOR LEVEL		+0.75	
BOTTOM OF LINTEL		+3.15	
TOP OF SLAB		+4.75	
TOP OF PARAPET		+5.65	
TOP OF MUMTY SLAB		+8.75	

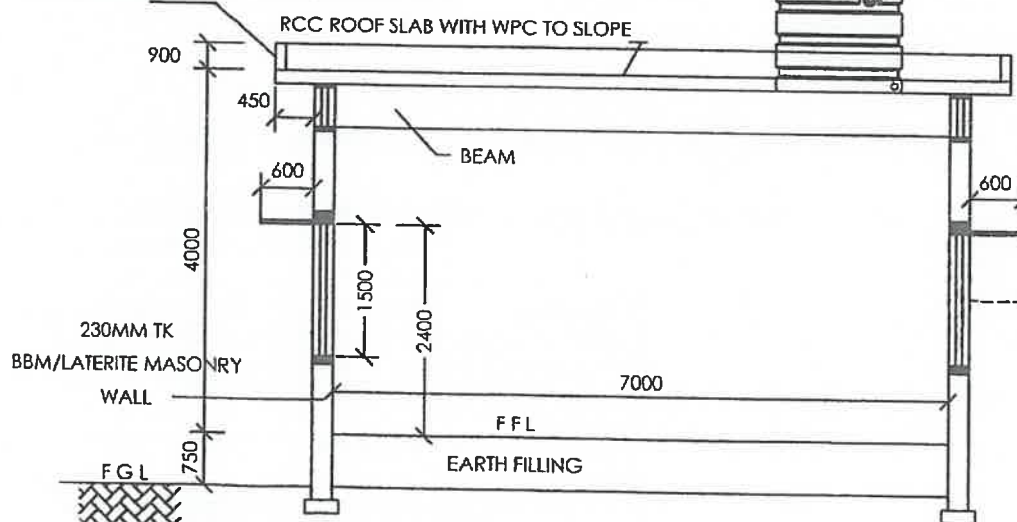
NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS IN METERS.
2. DO NOT SCALE OUT FOLLOW WRITTEN DIMENSIONS.
3. THE ORIENTATION OF BUILDING SHALL CONFORM TO APPD SUBSTATION LAYOUT.
4. COLUMN SIZE/LOCATION INDICATIVE AND SHALL BE AS PER APPROVED STRUCTURAL DRAWINGS.
5. LOCATION OF DOORS/WINDOWS INDICATIVE MAY BE SUITABLY MODIFIED AS PER SITE REQUIREMENT.

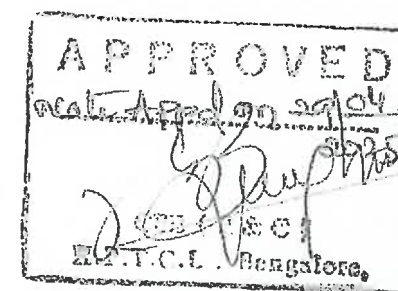
- NOTES**
1. The work shall conform to the approved specification and Schedule.
 2. This drawing is prepared by the design office and any changes found necessary shall be approved by the design office.
 3. Any alterations, additions or deletions to the technical specification and schedule shall be brought to the notice of the office before execution.

OWNER: KARNATAKA POWER TRANSMISSION CORPORATION LTD.,

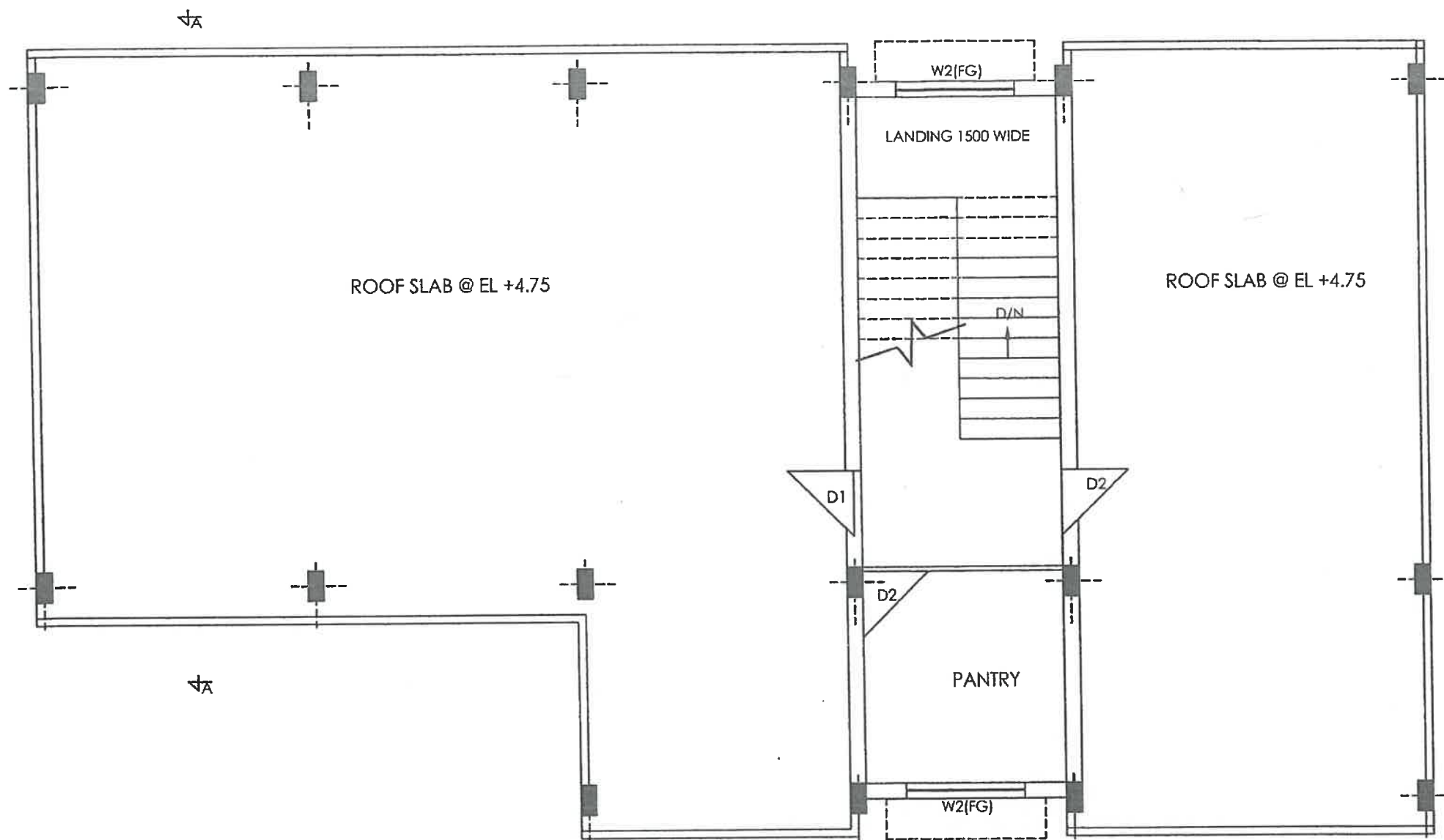
115 TH BBM/LATERITE MASONRY PARAPET AROUND WITH ARCHITECTURAL ELEVATION.



TYPICAL CROSS SECTION -AA



"For tender purpose only"



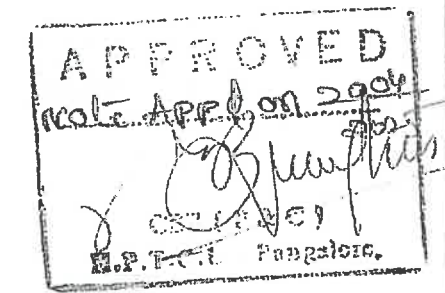
PLAN AT EL +4.75

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS IN METERS.
2. DO NOT SCALE OUT FOLLOW WRITTEN DIMENSIONS.
3. THE ORIENTATION OF BUILDING SHALL CONFORM TO APPD SUBSTATION LAYOUT.
4. COLUMN SIZE/LOCATION INDICATIVE AND SHALL BE AS PER APPROVED STRUCTURAL DRAWINGS.
5. LOCATION OF DOORS/WINDOWS INDICATIVE MAY BE SUITABLY MODIFIED AS PER SITE REQUIREMENT.

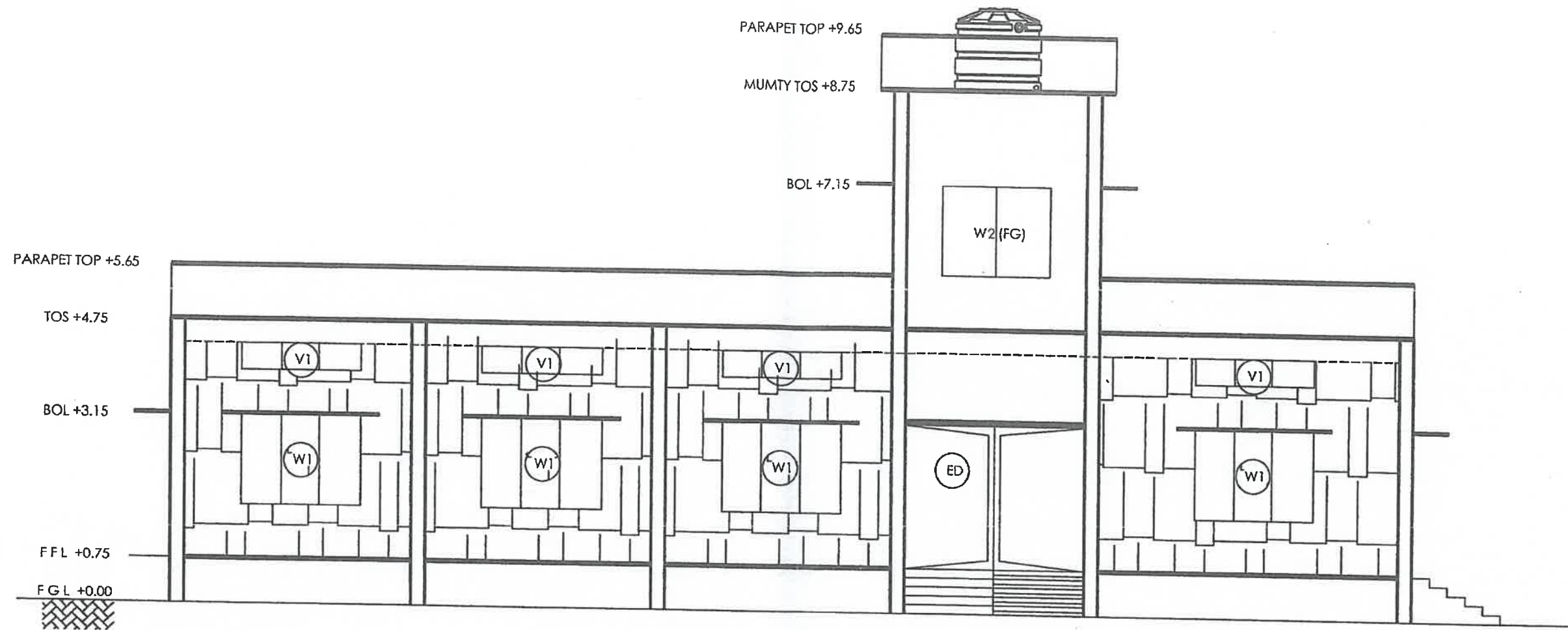
NOTES

1. The work shall conform to the approved specification and Schedule.
2. This drawing is for reference only and no changes found necessary shall be made without the approval of the Engineer.
3. Any change of design or construction for the technical specification and drawings shall be brought to the notice of this office before execution.



OWNER KARNATAKA POWER TRANSMISSION CORPORATION LTD.,

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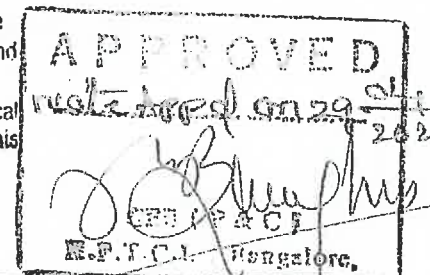
FRONT ELEVATION (TYP)

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS IN METERS.
2. DO NOT SCALE OUT FOLLOW WRITTEN DIMENSIONS.
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4. COLUMN SIZE/LOCATION INDICATIVE AND SHALL BE AS PER APPROVED STRUCTURAL DRAWINGS.
5. LOCATION OF DOORS/WINDOWS INDICATIVE MAY BE SUITABLY MODIFIED AS PER SITE REQUIREMENT.

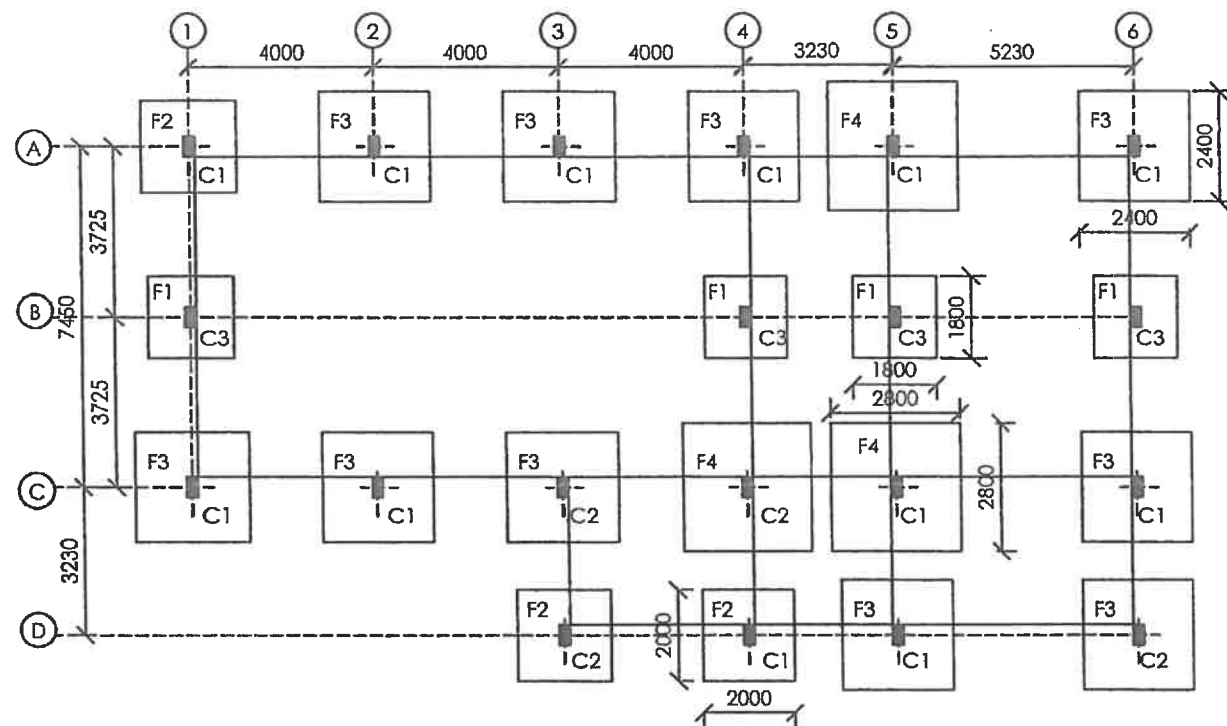
NOTES

1. The work shall be done as per specification and Schedule.
2. This drawing is for reference only. Any changes found necessary shall be made as per the approved drawing.
3. Any modification to the drawing shall be made as per the technical specifications of the project and shall be brought to the notice of this office before execution.

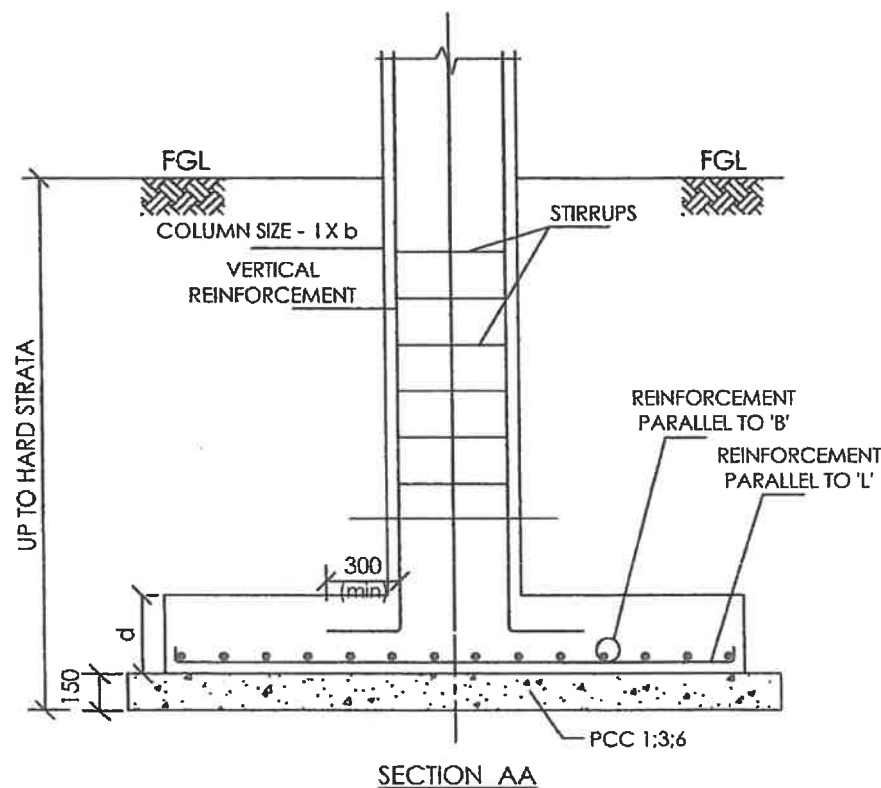


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"For tender purpose only"

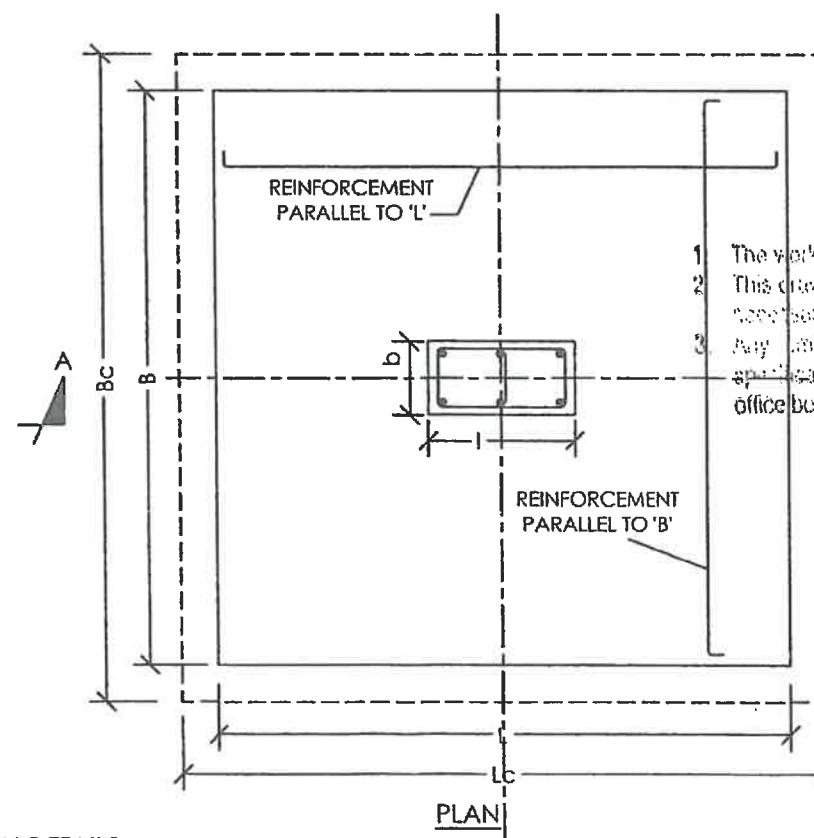


COLUMN AND FOOTING LAYOUT



SECTION AA

COLUMN FOUNDATION DETAILS



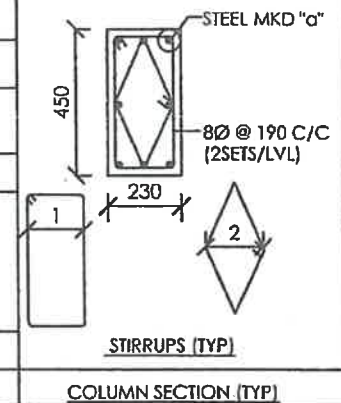
PLAN

FOUNDATION SCHEDULE

FOOTING MARKS		F1	F2	F3	F4
FOUNDATION	SIZE - B X L	1800 X 1800	2000X2000	2400X2400	2800 X 2800
	DEPTH - d	300 FLAT	350 FLAT	425 FLAT	500 FLAT
	REINF II TO 'L' BOTTOM	10Ø @ 180 C/C	12Ø @ 180 C/C	12Ø @ 150 C/C	12Ø @ 150 C/C
	REINF II TO 'B' BOTTOM	10Ø @ 180 C/C	12Ø @ 180 C/C	12Ø @ 150 C/C	12Ø @ 150 C/C
	CONCRETE MIX	M25	M25	M25	M25
Lc X Bc X 150 TK PCC 1:4:8		1950 X 1950	2150 X 2150	2550 X 2550	3150X3150

COLUMN SCHEDULE

COLUMN MARKS		C1	C2	C3
COLUMN SIZE - I X b		230 X 450	230 X 450	230 X 450
FOOTING LEVEL TO FIRST SLAB LEVEL	VERTICAL REINFORCEMENT	8-25Ø (a)	8-20Ø (a)	8-12Ø (a)
	STIRRUPS	8Ø @ 190 C/C	8Ø @ 190 C/C	8Ø @ 190 C/C
	CONCRETE MIX	M 25	M 25	M 25

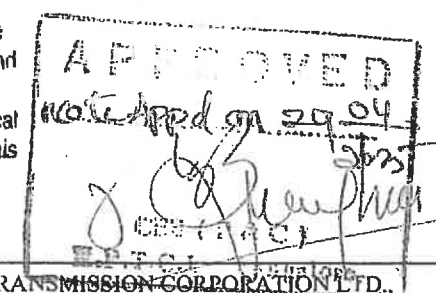


NOTES:-

1. ALL DIMENSIONS ARE MILLIMETER AND LEVELS IN METERS.
2. DO NOT SCALE OUT FOLLOW WRITTEN DIMENSIONS.
3. THE GRADE OF CONCRETE IS M25 (IS-456) AND STEEL Fe-550/550D (IS-1786).
4. THE FOUNDATION SHALL REST ON HARD STRATA. SOIL WITH SBC 15T/SQMT REFER SOIL TEST REPORT
5. DRAWING SHALL BE READ IN CONJUNCTION WITH APPROVED SUBSTATION LAYOUT.
6. CLEAR COVER REINFORCEMENT SHALL BE AS FOLLOWS:-
FOUNDATION 50mm ALL SIDES. COLUMN 40mm,
BEAM 25mm ALL SIDES. SLAB 25mm ALL SIDES.
7. LAP LENGTH OF BARS SHALL BE 50X BAR DIA (MINIMUM).
8. THE LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% OF BARS SHALL BE LAPPED AT A SECTION.
9. IN CASE OF BC SOIL APPROVED NEW MURRAM SHALL BE USED FOR BACK FILLING.

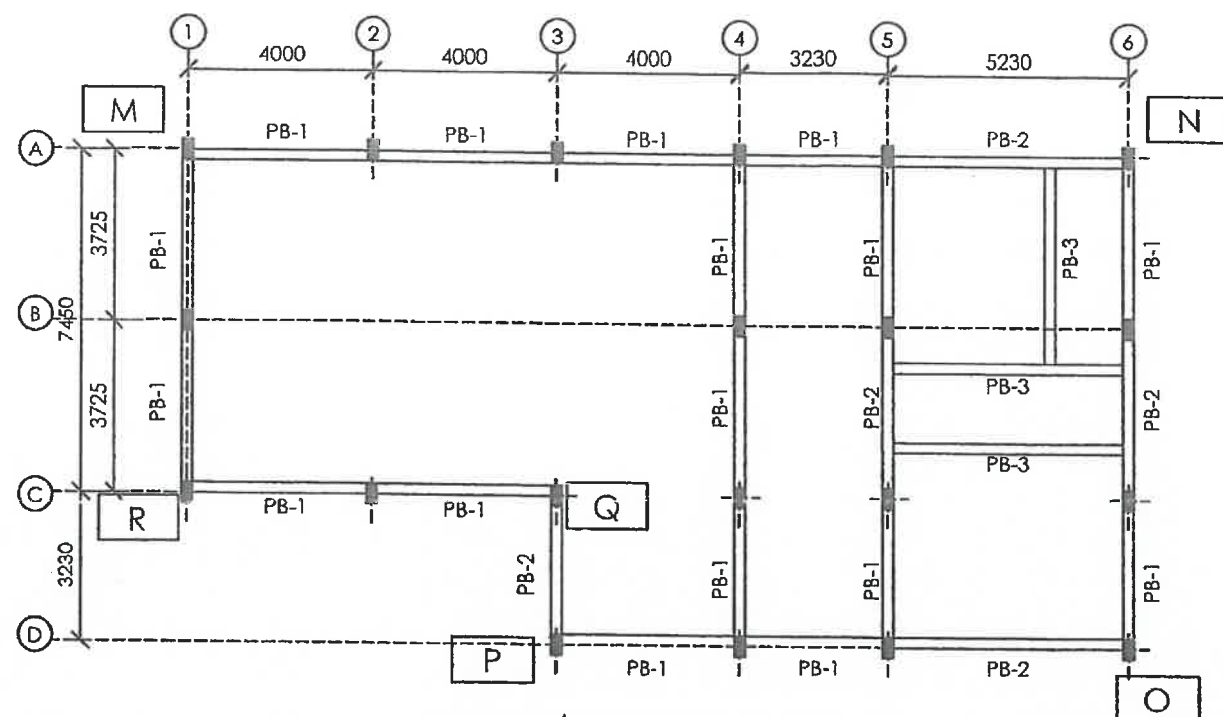
NOTES

1. The work shall be done in accordance with the specification and Schedule
2. This drawing is for reference only and any changes found necessary shall be made by the Engineer in Charge
3. Any discrepancy or error in the drawing shall be brought to the notice of this office before execution.



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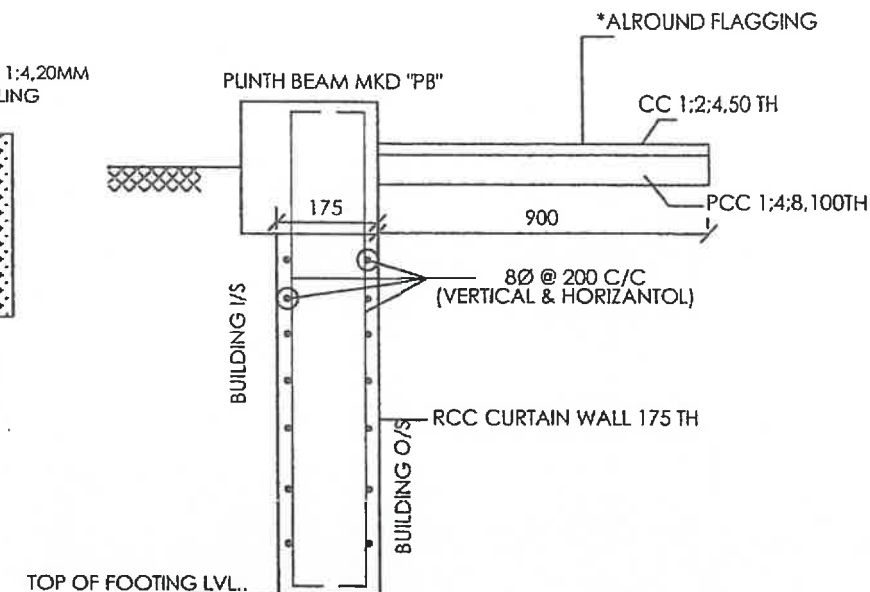
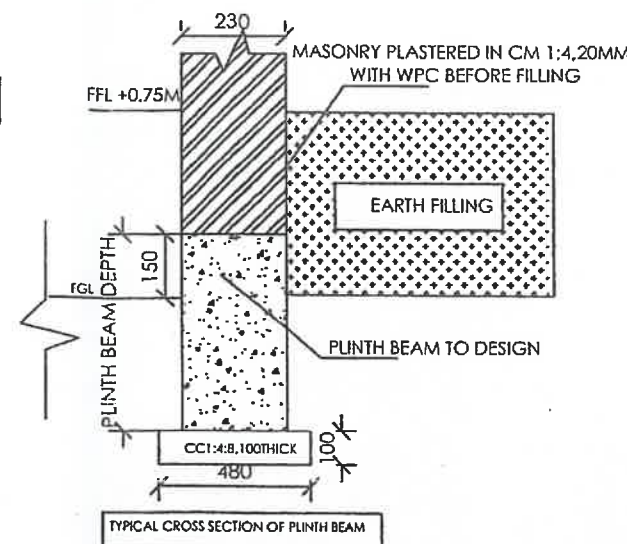


PLINTH BEAM LAYOUT

PLINTH BEAM	BEAM SIZE (bxd)	BOTTOM STEEL		TOP STEEL		8TOR RINGS
		THROUGH TB	EXTRA TB1	THROUGH TT	EXTRA TT1	
PB-1	230X400	3-12Ø	---	2-16 Ø	1-16 Ø	150 C/C
PB-2	230X400	3-16Ø	---	2-16 Ø	2-16 Ø	150 C/C
PB-3	230X400	3-16Ø	---	3-12 Ø	---	150 C/C

NOTES:-

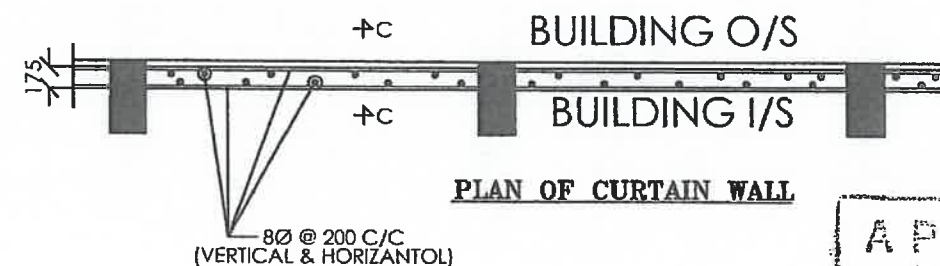
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2. DO NOT SCALE OUT FOLLOW WRITTEN DIMENSIONS.
3. THE GRADE OF CONCRETE IS M25 (IS-456) AND STEEL Fe-550/550D (IS-1786).
4. THE FOUNDATION SHALL REST ON HARD STRATA .SOIL WITH SBC>15T/SQMTR
5. DRAWING SHALL BE READ IN CONJUNCTION WITH APPROVED SUBSTATION LAYOUT.
6. CLEAR COVER REINFORCEMENT SHALL BE AS FOLLOWS:-
FOUNDATION 50mm ALL SIDES, COLUMN 40mm, BEAM 25mm ALL SIDES, SLAB 25mm ALL SIDES.
7. LAP LENGTH OF BARS SHALL BE 50X BAR DIA (MINIMUM).
8. THE LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% OF BARS SHALL BE LAPPED AT A SECTION.
9. IN CASE OF BC SOIL, APPROVED NEW MURRAM SHALL BE USED FOR BACK FILLING.



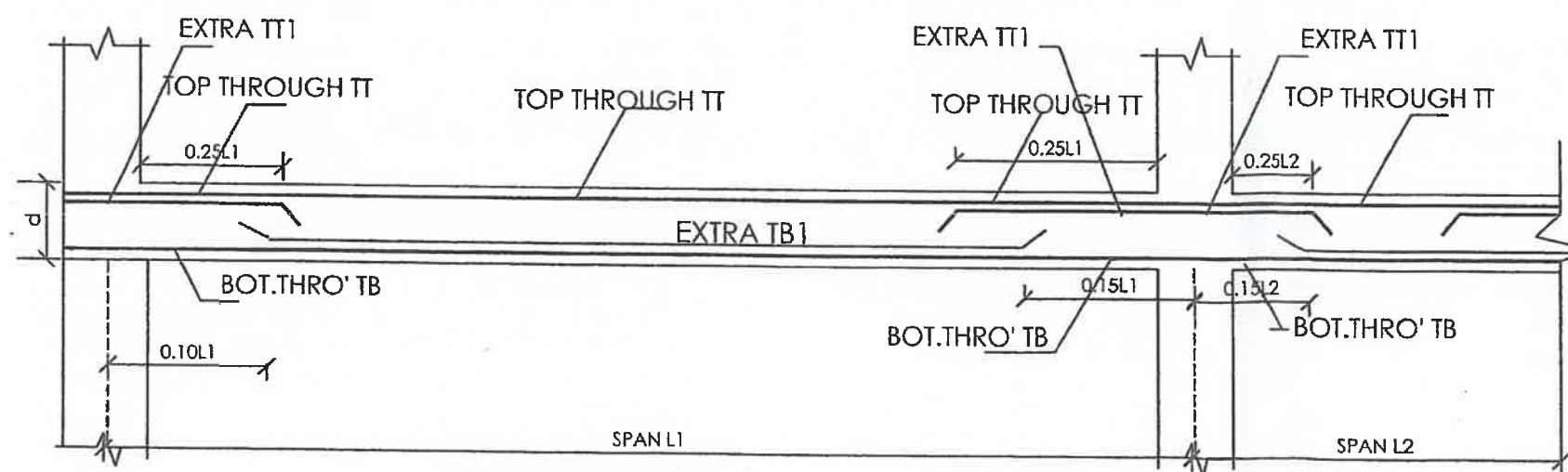
RCC CURTAIN WALL (ALONG MNOPQM)
SECTION CC

NOTES

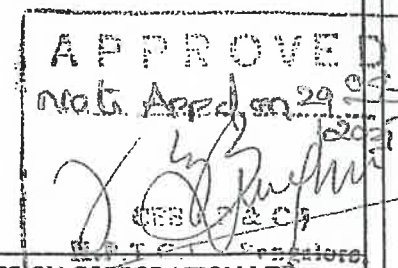
1. The work shall be done in accordance with the Specification and Schedule.
2. This drawing is subject to any change of design found necessary during the execution of the work.
3. Any amendments or alterations required as per the technical specification and schedule shall be brought to the notice of this office before execution.



PLAN OF CURTAIN WALL

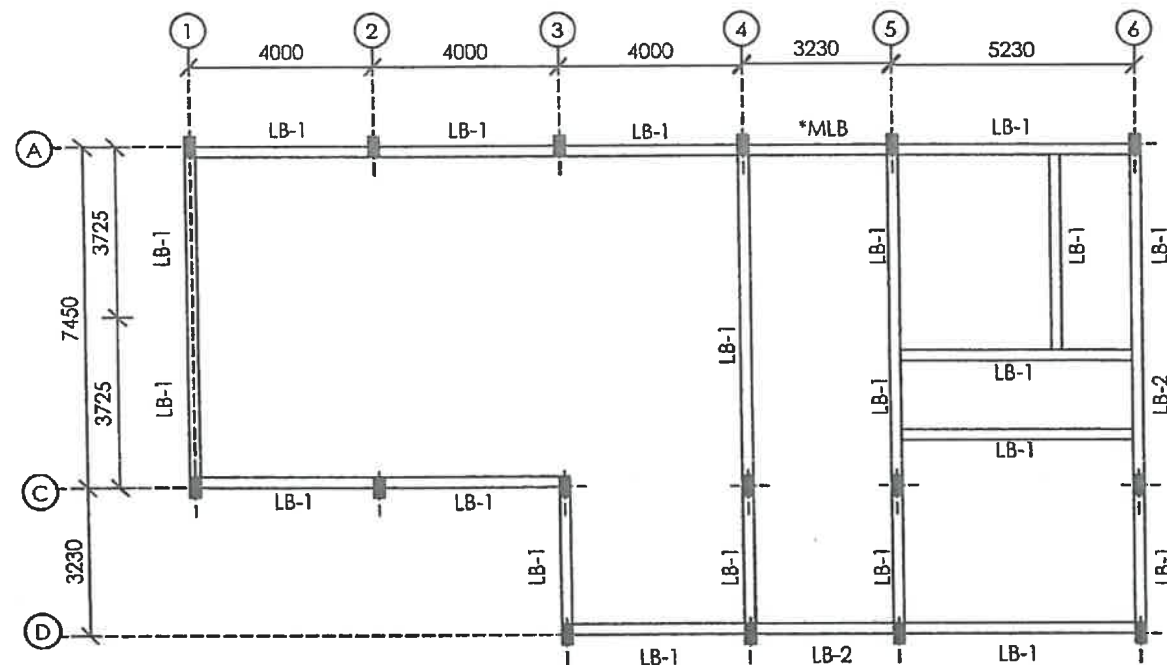


L/S OF BEAM (TYP)



OWNER: KARNATAKA POWER TRANSMISSION CORPORATION LTD.

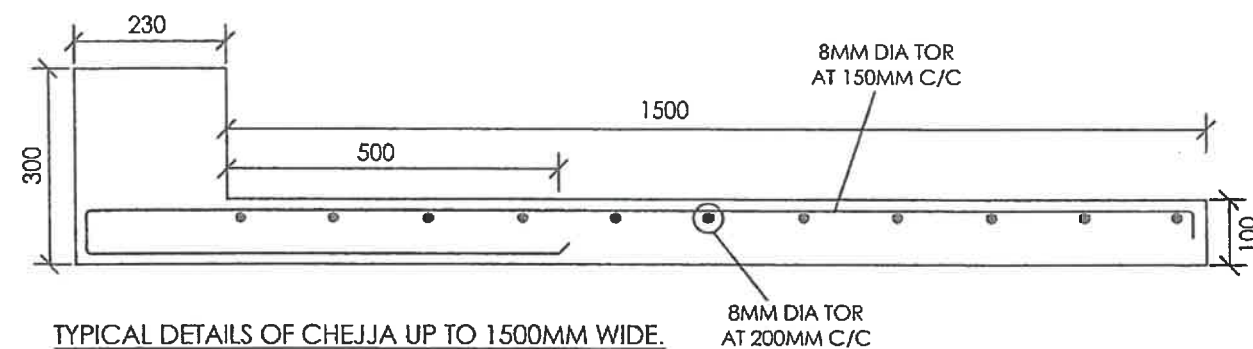
"For tender purpose only"



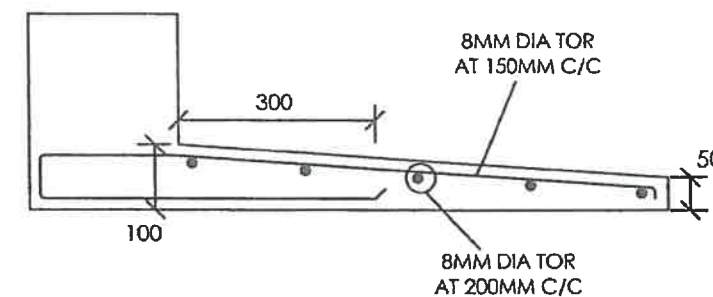
LINTEL BEAM LAYOUT

LINTEL BEAM	BEAM SIZE (bxd)	BOTTOM STEEL		TOP STEEL		8TOR RINGS
		THROUGH TB	EXTRA TB1	THROUGH TT	EXTRA TT1	
LB-1	230X300	3-12Ø	----	3-12 Ø	----	150 C/C
LB-2	230X300	3-12Ø	2-12Ø	3-12 Ø	2-12Ø	150 C/C

*MLB-MID LANDING BEAM REFER STAIRCASE DRAWING



TYPICAL DETAILS OF CHEJJA UP TO 1500MM WIDE.



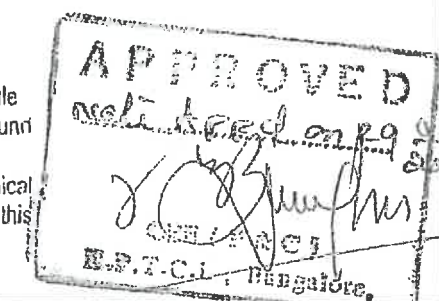
TYPICAL DETAILS OF 600/ 750MM WIDE CHEJJA

NOTES:-

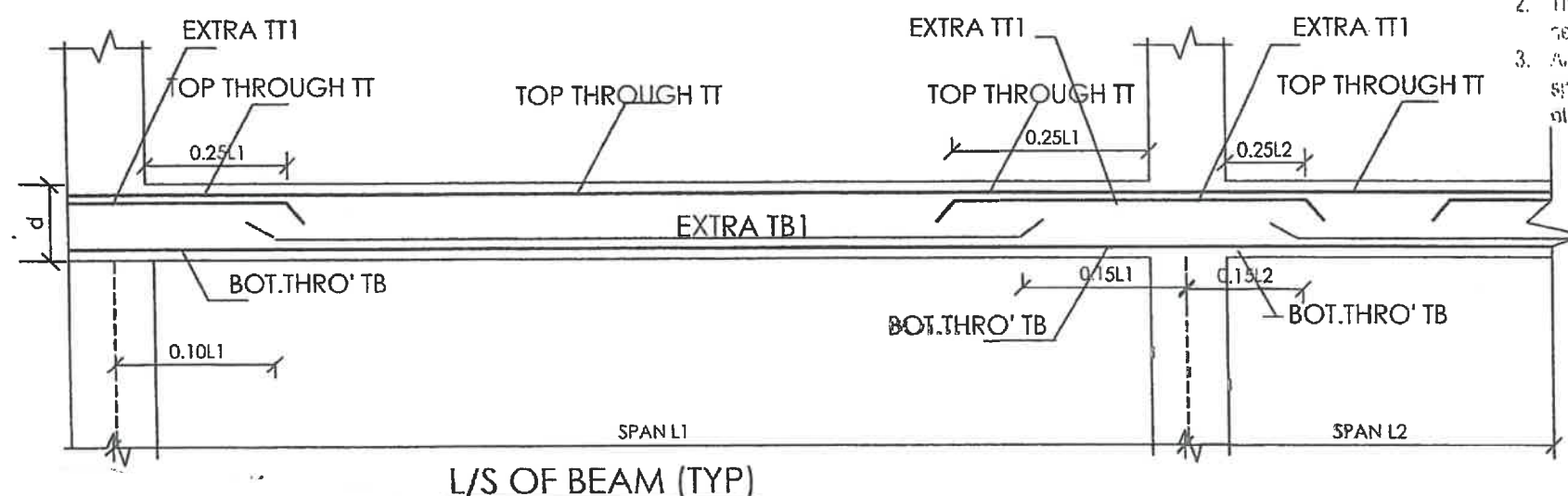
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4. THE FOUNDATION SHALL REST ON HARD STRATA . SBC 15T/SQMTR
5. DRAWING SHALL BE READ IN CONJUNCTION WITH APPROVED SUBSTATION LAYOUT.
6. CLEAR COVER REINFORCEMENT SHALL BE AS FOLLOWS:-
FOUNDATION 50mm ALL SIDES, COLUMN 40mm,
BEAM 25mm ALL SIDES, SLAB 25mm ALL SIDES.
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IN NO CASE MORE THAN 50% OF BARS SHALL BE LAPPED AT A SECTION.
9. IN CASE OF BC SOIL, APPROVED NEW MURRAM
SHALL BE USED FOR BACK FILLING.

NOTES

1. The work shall conform to the specification and Schedule
2. This drawing is to be used for the purpose of tender only and any changes found necessary shall be made by the Engineer in Charge.
3. Any modification or change in the technical specification and schedule shall be brought to the notice of this office before execution.

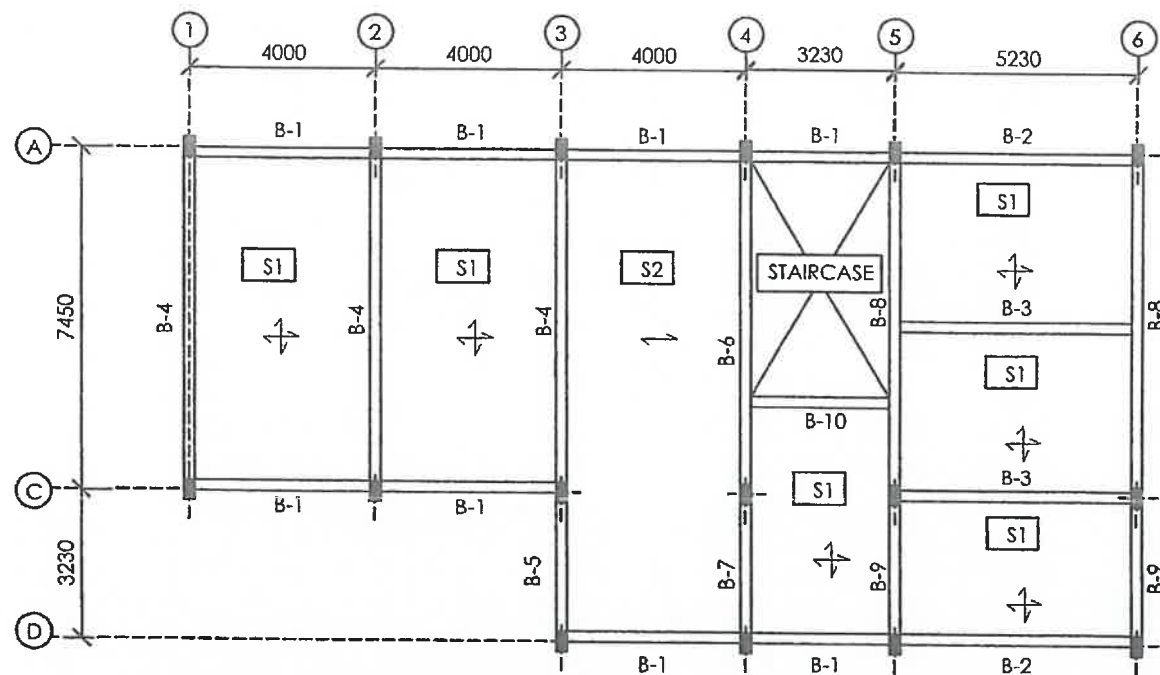


OWNER (K) KARNATAKA POWER TRANSMISSION CORPORATION LTD.,



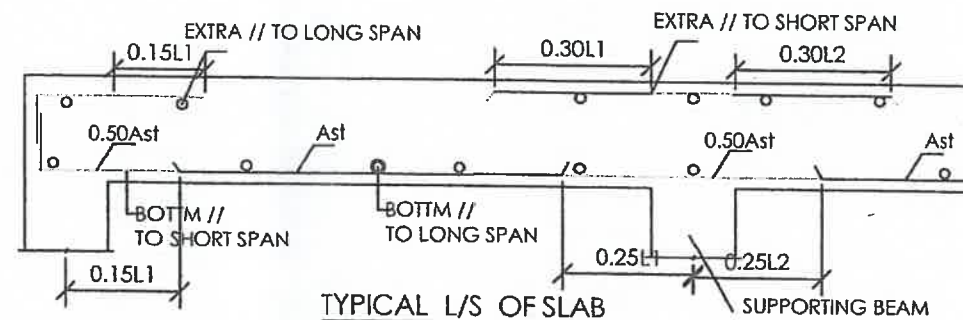
L/S OF BEAM (TYP)

"For tender purpose only"



FLOOR BEAM AND SLAB LAYOUT

FLOOR SLAB DETAILS TOP @ EL+4.75					
SLAB MARK	SLAB THICK IN MM	REINFORCEMENT @ BOTTOM		REINFORCEMENT EXTRA AT TOP	
		// TO SHORT SPAN	// TO LONG SPAN	// TO SHORT SPAN	// TO LONG SPAN
S1	150	10Ø @ 200C/C ALT CURTAILED	8Ø @ 200 C/C ALT CURTAILED	10Ø @ 200C/C STRAIGHT	8Ø @ 200 C/C STRAIGHT
S2	150	10Ø @ 200C/C ALT CURTAILED	8Ø @ 200 C/C STRAIGHT	10Ø @ 200C/C STRAIGHT	-----
S1: TWO WAY SLAB		S2: ONE WAY SLAB			



TYPICAL L/S OF SLAB

FLOOR BEAM	BEAM SIZE (bxd)	BOTTOM STEEL		TOP STEEL		8TOR RINGS
		THROUGH TB	EXTRA TB1	THROUGH TT	EXTRA TT1	
B-1	230X400	3-12Ø	-----	2-16 Ø	1-16Ø	150 C/C
B-2	230X400	3-12Ø	2-12Ø	2-16 Ø	2-16Ø	150 C/C
B-3	230X600	4-16Ø	---	3-12 Ø	-----	150 C/C
B-4	230X600	4-20Ø	---	2-20Ø	2-20Ø	150 C/C
B-5	230X600	2-20Ø	---	2-20Ø	2-20Ø	150 C/C
*B-6	230X600	4-20Ø	---	2-20Ø	3-20Ø	150 C/C
B-7	230X600	2-20Ø	---	3-20Ø	-----	150 C/C
*B-8	230X600	5-20Ø	---	2-25Ø	3-20Ø	150 C/C
B-9	230X600	2-20Ø	---	2-25Ø	---	150 C/C
B-10	230X400	3-16Ø	---	3-12Ø	---	150 C/C

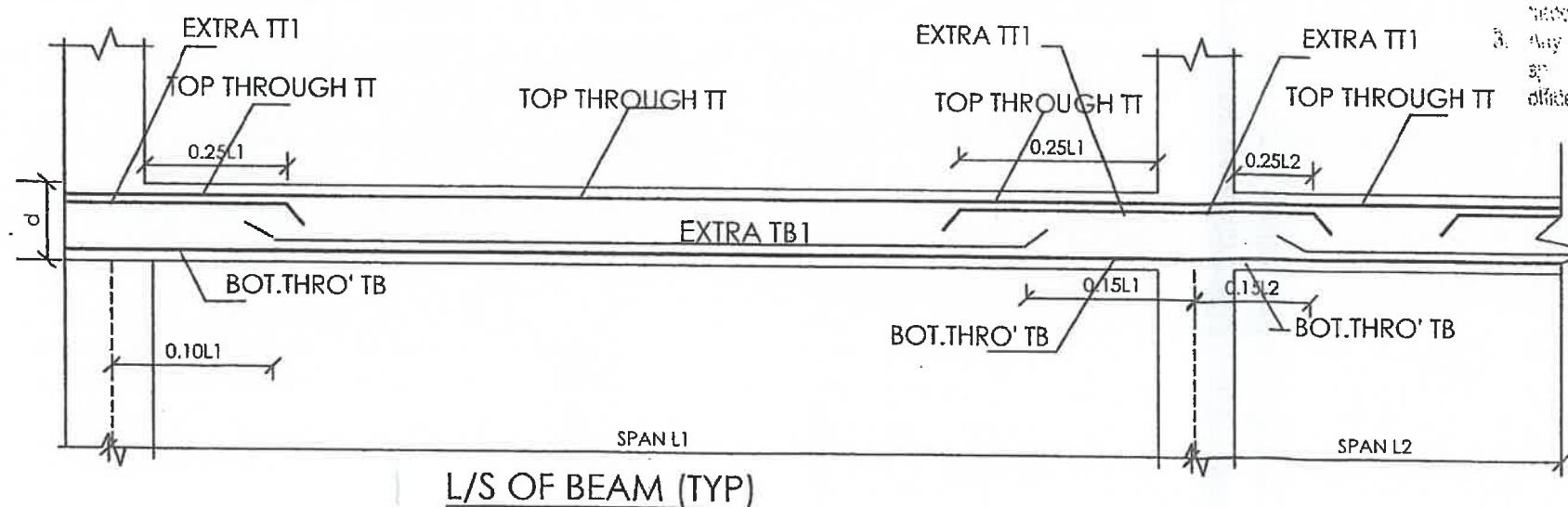
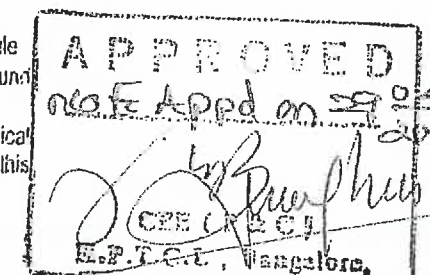
(*) EXTRA AT TOP SHALL BE PROVIDED AT COLUMN SUPPORTS ONLY

NOTES:-

1. ALL DIMENSIONS ARE MILLIMETER AND LEVELS IN METERS.
2. DO NOT SCALE OUT FOLLOW WRITTEN DIMENSIONS.
3. THE GRADE OF CONCRETE IS M25 (IS-456) AND STEEL Fe-550/550D (IS-1786).
4. CLEAR COVER REINFORCEMENT : BEAM 25mm ALL SIDES, SLAB 25MM ALL SIDES.
5. LAP LENGTH OF BARS SHALL BE 50X BAR DIA (MINIMUM).
6. THE LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% OF BARS SHALL BE LAPPED AT A SECTION.

NOTES

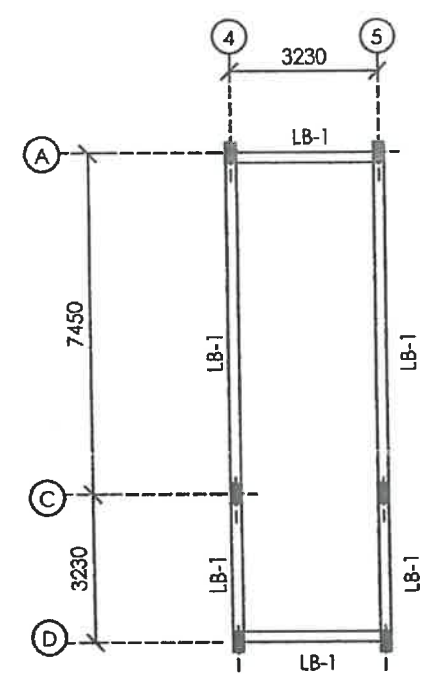
1. The work shall conform to the latest specification and Schedule.
2. This drawing is the property of the Engineer and no changes found necessary shall be made without the approval of the Engineer.
3. Any communication or work shall be brought to the notice of this office before execution.



L/S OF BEAM (TYP)

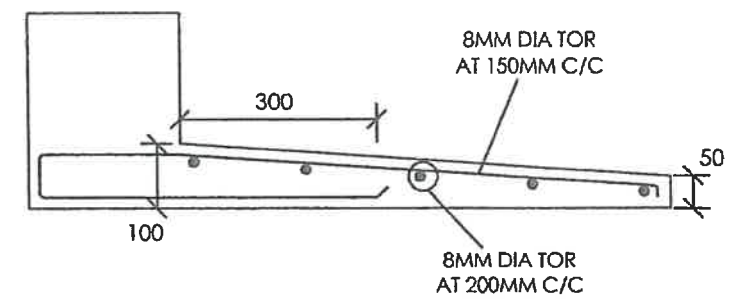
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"For tender purpose only"



LINTEL LAYOUT FOR FFL @ EL+4.75M
(BOT OF LINTEL @ EL+7.15M)

LINTEL BEAM	BEAM SIZE (bxd)	BOTTOM STEEL		TOP STEEL		8TOR RINGS
		THROUGH TB	EXTRA TB1	THROUGH TT	EXTRA TT1	
LB-1	230X300	3-12Ø	-----	3-12 Ø	-----	150 C/C

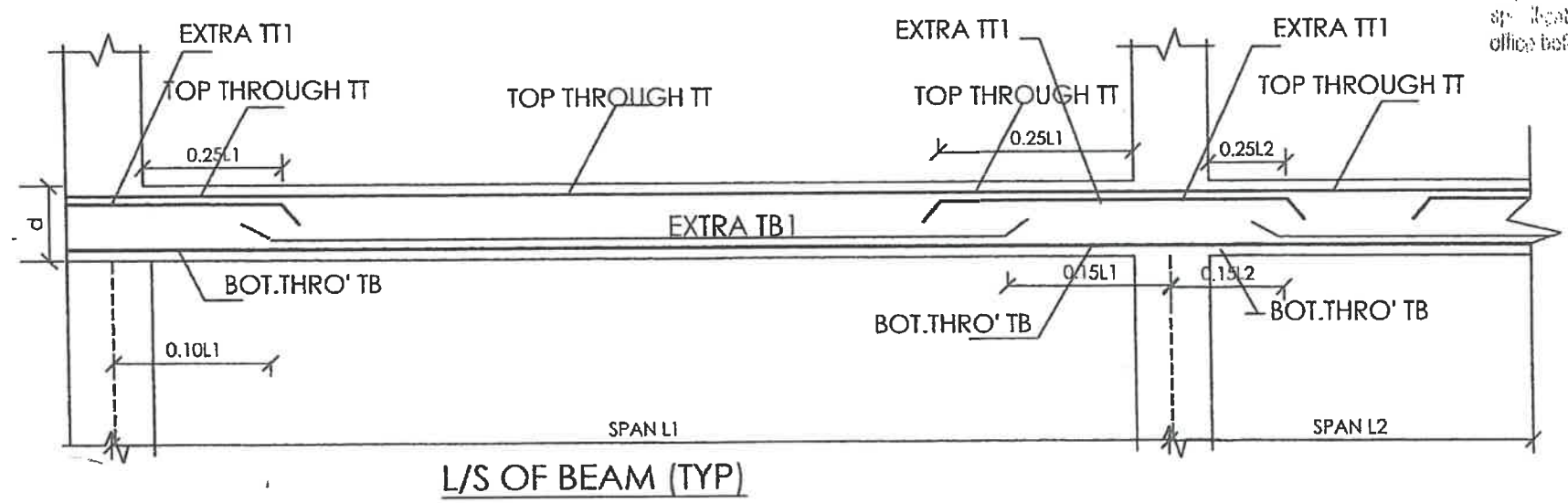
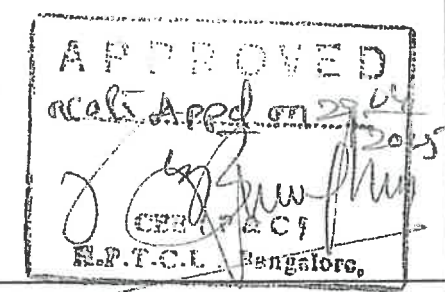


TYPICAL DETAILS OF 600/ 750MM WIDE CHEJJA

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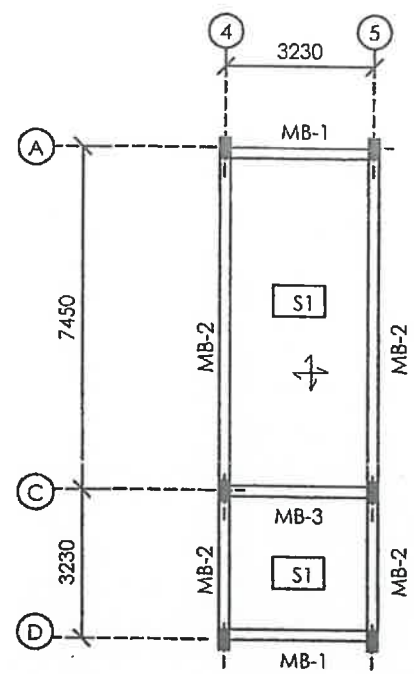
NOTES

1. The work shall conform to Technical specification and Schedule
2. This drawing is approved and no any proposed changes found necessary and no modification is required.
3. Any remarks and modification required for the technical specification and schedule shall be brought to the notice of this office before execution.



OWNER | KARNATAKA POWER TRANSMISSION CORPORATION LTD.,

"for tender purpose only"

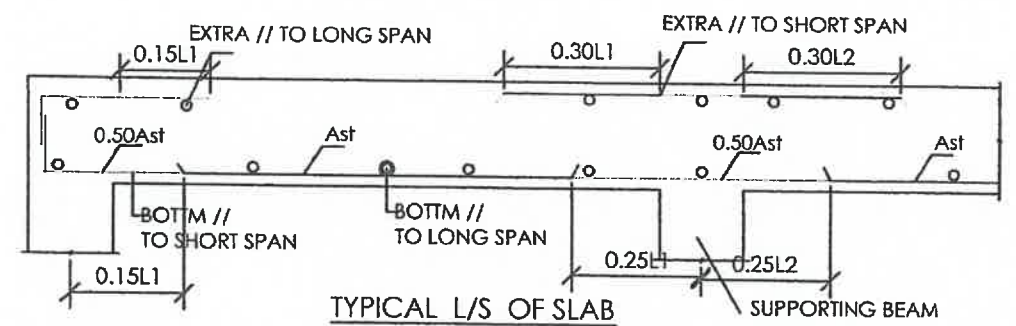


MUMTY LEVEL SLAB AND BEAM LAYOUT

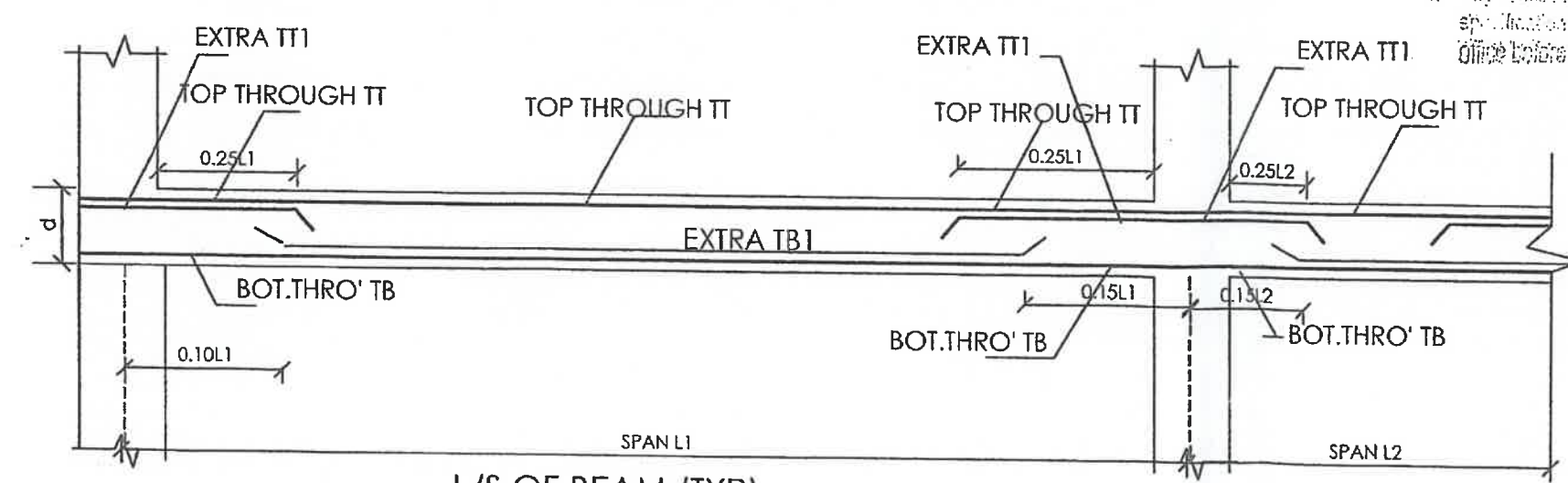
MUMTY BEAM	BEAM SIZE (bxd)	BOTTOM STEEL		TOP STEEL		8TOR RINGS
		THROUGH TB	EXTRA TB1	THROUGH TT	EXTRA TT1	
MB-1	230X400	3-12Ø	-----	2-12 Ø	1-12Ø	150 C/C
MB-2	230X600	3-16Ø	----	2--16 Ø	2-16Ø	150 C/C
MB-3	230X400	3-16Ø	----	3-12 Ø	-----	150 C/C
B-4	230X600	4-20Ø	----	2-20Ø	2-20Ø	150 C/C

MUMTY SLAB DETAILS TOP @ EL+8.75					
SLAB MARK	SLAB THICK IN MM	REINFORCEMENT @ BOTTOM		REINFORCEMENT EXTRA AT TOP	
		// TO SHORT SPAN	// TO LONG SPAN	// TO SHORT SPAN	// TO LONG SPAN
S1	150	10Ø @ 200C/C ALT CURTAILED	8Ø @ 200 C/C ALT CURTAILED	10Ø @ 200C/C STRAIGHT	8Ø @ 200 C/C STRAIGHT
S1: TWO WAY SLAB					

- NOTES:-
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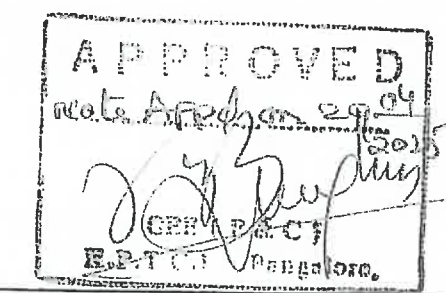


TYPICAL L/S OF SLAB



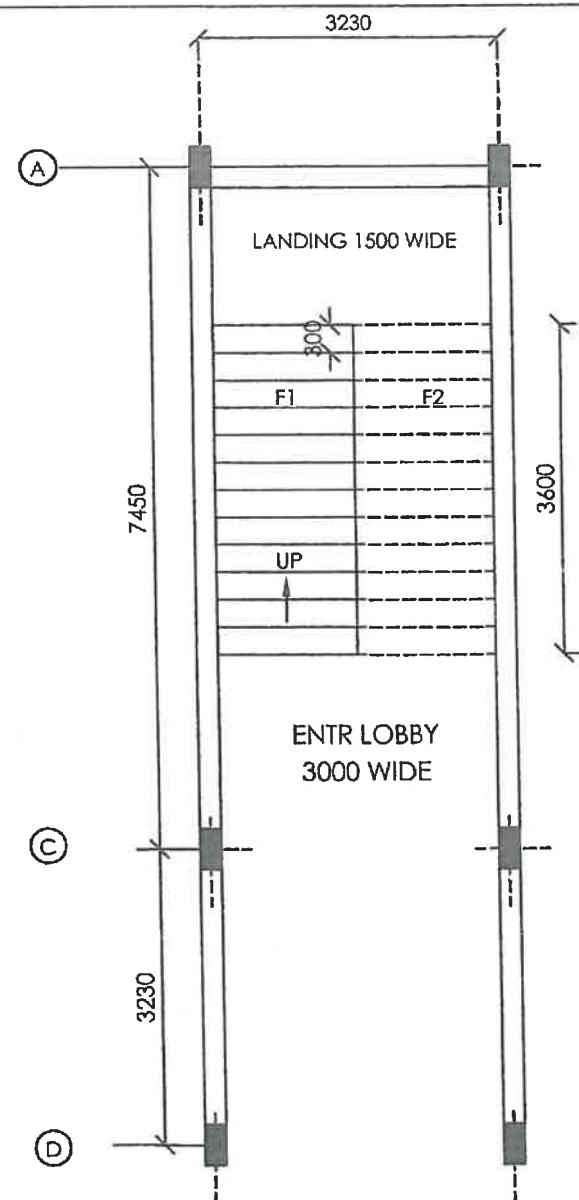
L/S OF BEAM (TYP)

- NOTES
1. The work shall conform to Technical specification and Schedule
 2. The drawings shall be read in conjunction with the contract documents
 3. Any modification or change shall be brought to the notice of this office before execution.



OWNER: KARNATAKA POWER TRANSMISSION CORPORATION LTD.,

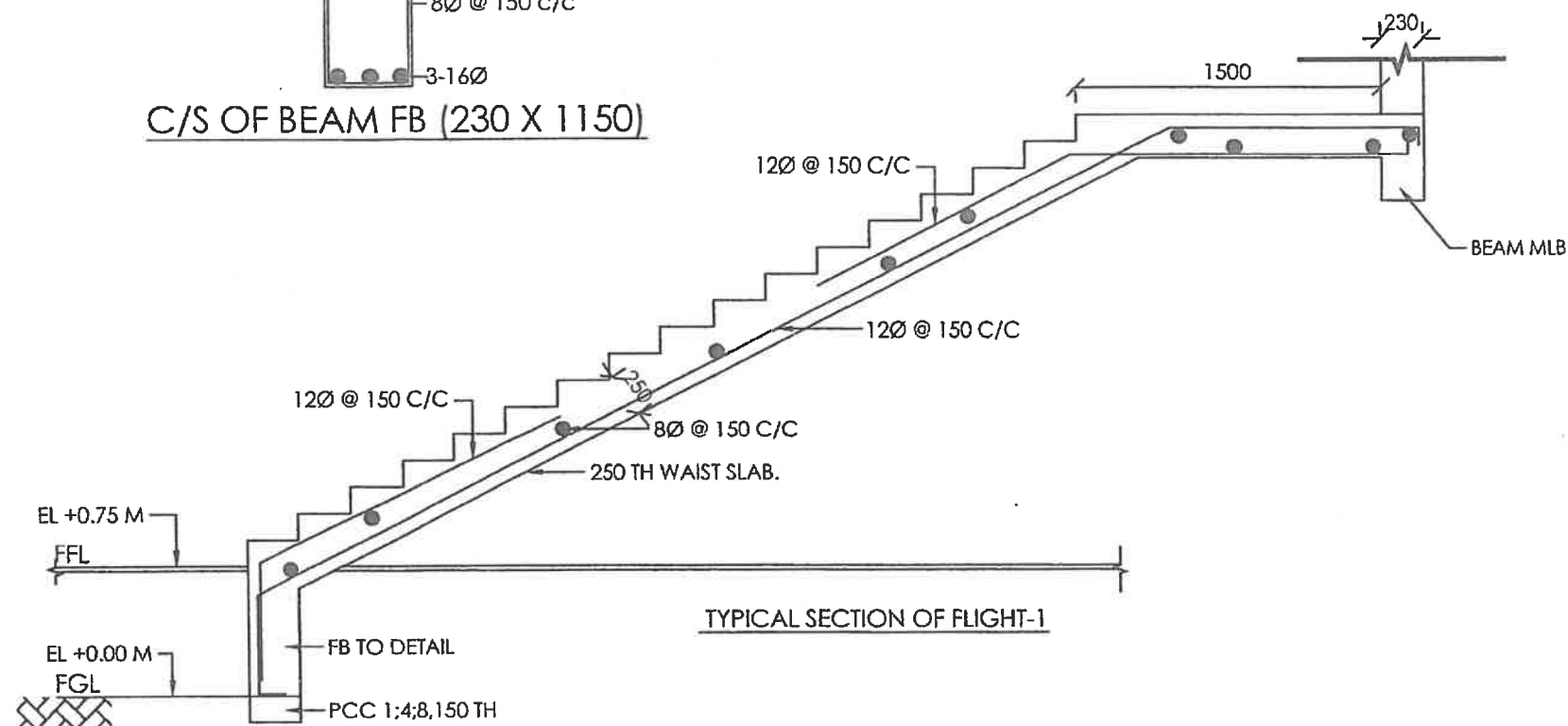
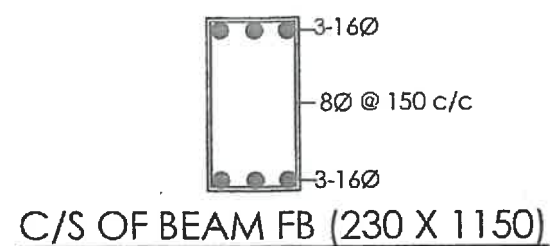
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STAIRS PLAN @ EL +0.75
(EL 0.75M TO 4.75M)

FLIGHT SCHEDULE

FLIGHT	ELEVATION (EL)		TREAD		RISER		WAIST SLAB	REINFORCEMENT		MID LANDING BEAM	
	FROM	TO	WIDTH	NOS	HEIGHT	NOS		MAIN	DISTRIBUTION	BEAM TOP	BEAM SECTION (230x450)
F1	+0.75	+2.75	300	12	154	13	250	12Ø @ 150 c/c	8Ø @ 150 c/c	+2.75	
F2	+2.75	+4.75	300	12	154	13	250	12Ø @ 150 c/c	8Ø @ 150 c/c		



NOTES:-

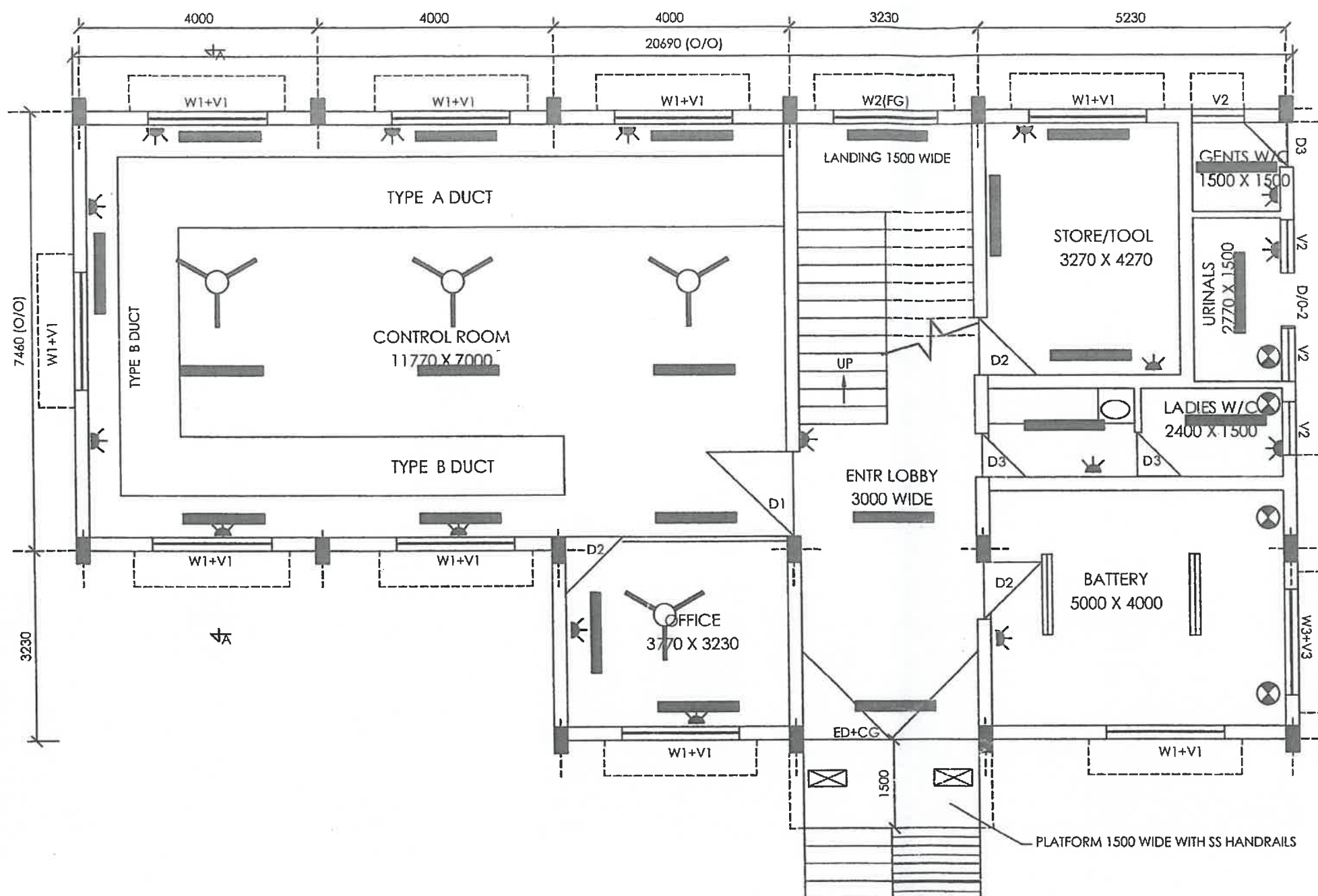
1. ALL DIMENSIONS ARE MILLIMETER AND LEVELS IN METERS.
2. DO NOT SCALE OUT FOLLOW WRITTEN DIMENSIONS.
3. THE GRADE OF CONCRETE IS M25 (IS-456) AND STEEL Fe-550/550D (IS-1786).
4. CLEAR COVER REINFORCEMENT SHALL BE AS FOLLOWS:-
BEAM 25mm ALL SIDES, SLAB 25MM ALL SIDES.
5. LAP LENGTH OF BARS SHALL BE 50X BAR DIA (MINIMUM).
6. THE LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% OF BARS SHALL BE LAPPED AT A SECTION.

- NOTES**
1. The work shall be done in accordance with the Specification and Schedule
 2. The work shall be done in accordance with the Specification and Schedule
 3. The work shall be done in accordance with the Specification and Schedule

APPROVED
not used on 29.04.2023
[Signature]
OWNER

KARNATAKA POWER TRANSMISSION CORPORATION LTD.,

"for Tender purpose only"



INDEX:

- RECESSED TYPE FITTING WITH PLASTIC LOUVERS 2 X 40WATTS - 4FT.
- FLUORESCENT FITTING 2 X 40WATTS (ACID PROOF)
- CEILING FAN 48" SWEEP
- EXHAUST FAN
- MODULAR RECESSED FITTING 4X20 WATTS WITH SQUARE LOUVERS.
- MODULAR ROUND FITTING.
- 5/15 AMPS PLUG POINT.

NOTE: ADOPT CONCEALED CONDUIT, INSULATED COPPER WIRE FOR WIRING

NOTES

1. The work shall be completed within the time and schedule.
2. The design shall be modified as per changes found during execution.
3. Any modification shall be brought to the notice of this office before execution.

NOTES:

1. ALL DIMENSIONS ARE IN MMS, UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE OUT THIS DRG, FOLLOW ONLY THE WRITTEN DIMENSIONS.
3. ANY DISCREPANCY FOUND MAY PLEASE BE BROUGHT TO THE NOTICE OF THIS OFFICE BEFORE EXECUTION.
4. ORIENTATION OF BUILDING SHALL CONFORM TO APPROVED SUBSTATION LAYOUT PLAN.
5. LOCATIONS OF DOORS/WINDOWS INDICATIVE MAY BE SUITABLY MODIFIED TO SUIT APPROVED PANEL LAYOUT ETC.,
6. FITTINGS LAYOUT INDICATIVE MAY BE MODIFIED AS PER REQUIREMENT ANY ADDITIONAL FITTINGS, POINTS ETC., REQUIRED SHALL BE PROVIDED

LIGHTING PLAN AT EL +0.75

APPROVED

Date Approved 21/04/2023

Signature

OFF (AEC)

OWNER: KARNATAKA POWER TRANSMISSION CORPORATION LTD.

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