

FOUNDATION LAYOUT AT -3000mm LVL



- NOTES :**
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 - USE CONCRETE - M25 (DESIGN MIX) FOR ALL RCC WORKS.
 - MINIMUM CEMENT CONTENT SHALL NOT BE LESS THAN 340 KG/CU.M FOR M25 CONCRETE.
 - HIGH YIELD STRENGTH DEFORMED BARS Fe 500 CONFIRMING IS 1786-1985 TO BE USED.
 - NO ADMIXTURES SHALL BE ADDED WITHOUT PERMISSION OF CONSULTANT.
 - CLEAR COVER TO REINFORCEMENT FOR FOOTING : 50MM, COLUMN 40MM, R.C.C WALL AND BEAM 30MM, SLAB 25MM.
 - DEVELOPMENT LENGTH OF BAR L_d AS 50 Ø IN TENSION, 40 Ø IN COMPRESSION, WHERE Ø = DIA OF BAR.
 - FOR ALL OTHER RCC GENERAL NOTES REFER SHEET NO A1 (REFER SHEET NO.A)
 - STRUCTURE IS DESIGNED FOR (G+1) FLOORS ONLY.
 - THE SAFE LOAD BEARING CAPACITY OF SOIL IS 300 kN/Sq.M AT 3.0M DEPTH AS PER SOIL REPORT.

ARCHITECTS:

NANDA & ASSOCIATES ARCHITECTS
 NO.36, SARASWATHI ILLAM, JANAKIRAM COLONY MAIN RD. JANAKIRAM COLONY, ARUMBAKKAM, CHENNAI - 600 106. TELEPHONE:044-23637420.E-mail:nandaarchitects@gmail.com

STRUCTURAL CONSULTANTS:

SAKTHI CONSULTANCY
 No.10, Bandhu Street, F1-Acacia Flats, Ganapathy Nagar, Nagalkeni,Chromepet, Chennai-600 044. www.sakthiconsultancy.com 9444020706.nalla.sakthi@gmail.com

PROJECT :
 PROPOSED CONSTRUCTION OF INDIAN BANK'S RURAL SELF EMPLOYMENT TRAINING INSTITUTE AT THIRUVANAMALAI, TAMILNADU

TITLE :
 FOUNDATION LAYOUT DETAILS

DRAWN :	P.MURALINATHAN	DATE :	17/07/2025
CHECKED :	C.ARUN	SHEET NO :	01
APPROVED :	C.ARUN	REV NO :	
SCALE :	1:100		
PROJECT NUMBER :	SCPL/01/2024-25		

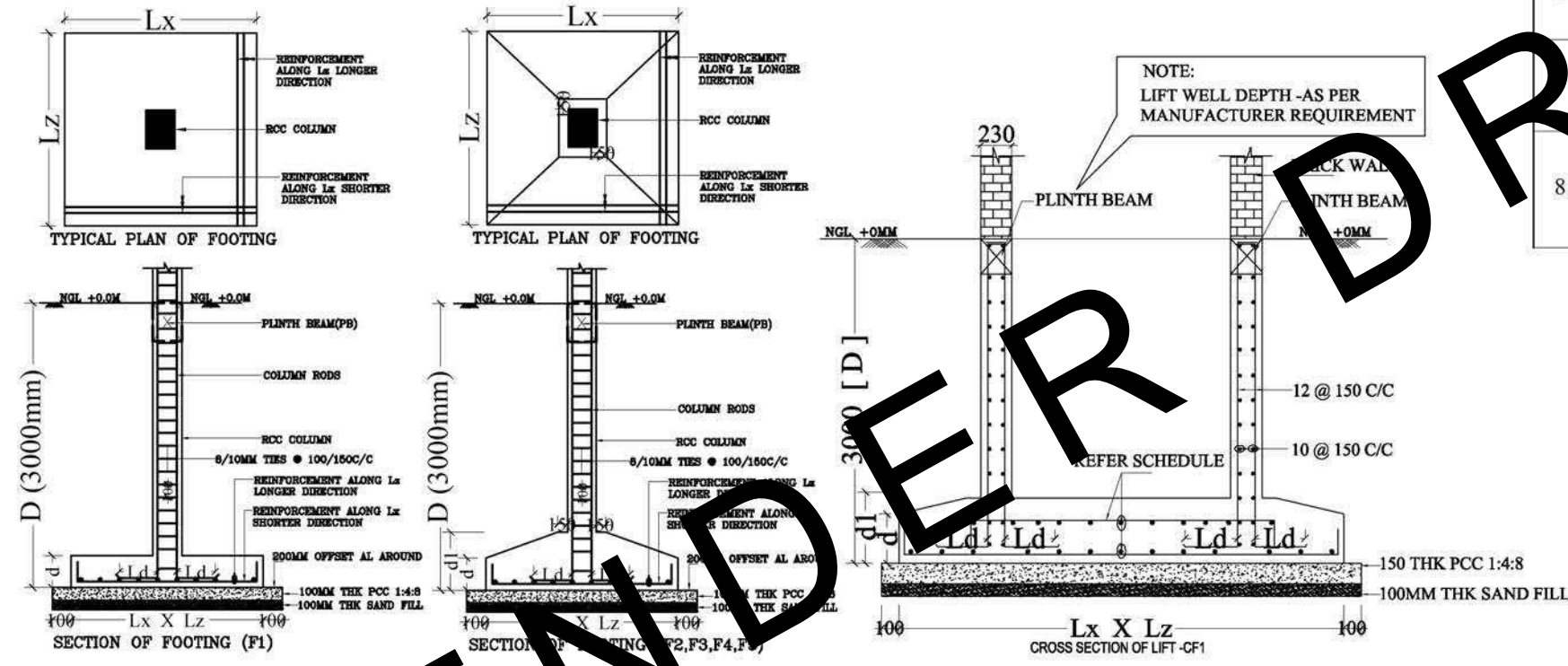


SCHEDULE OF FOOTINGS

S. NO	NAME OF FOOTING	SIZE Lx X Lz SHORTER DIRECTION Lx x LONGER DIRECTION Lz	d	d1	D	REINFORCEMENT		NO OF FOOTING	REMARKS
						SHORTER DIRECTION Lx	LONGER DIRECTION Lz		
1	F1	1200 x 1200	250	-	3000	10# @ 150 C/C	10# @ 150 C/C	03	ISOLATED FOOTING
2	F2	1500 x 1500	250	450	3000	12# @ 150 C/C	12# @ 150 C/C	08	ISOLATED FOOTING
3	F3	1650 x 1650	250	450	3000	12# @ 150 C/C	12# @ 150 C/C	07	ISOLATED FOOTING
4	F4	1800 x 1800	250	450	3000	12# @ 125 C/C	12# @ 125 C/C	18	ISOLATED FOOTING
5	F5	2100 x 2100	250	550	3000	16# @ 150 C/C	16# @ 150 C/C	08	ISOLATED FOOTING
6	CF1	4000 x 4000	250	600	3000	12# @ 125 C/C 12# @ 125 C/C	12# @ 125 C/C 12# @ 125 C/C	01	COMBINED FOOTING

SCHEDULE OF RCC COLUMNS

SL NO	NAME OF COLUMN	SIZE OF THE COLUMN	SECTION	SHAPE OF TIES	REIN-FORCEMENT	STIRRUPS		NO OF COLUMNS
						NEAR SUPPORT(H/4)	MIDDLE SPAN(H/2)	
1	C1	230 X 375			●6 NOS-16#	8# @ 100 C/C	8# @ 150 C/C	05
2	SC	300 X 300			●8 NOS-16#	8# @ 100 C/C	8# @ 150 C/C	01
3	C2	230 X 450			●6 NOS-16#	8# @ 100 C/C	8# @ 150 C/C	03
4	C3	300 X 375			●6 NOS-20#	8# @ 100 C/C	8# @ 150 C/C	04
5	C4	230 X 450			●8 NOS-20#	8# @ 100 C/C	8# @ 150 C/C	02
6	C5	300 X 450			●8 NOS-20#	8# @ 100 C/C	8# @ 150 C/C	17
7	C6	300 X 450			●10 NOS-20#	8# @ 100 C/C	8# @ 150 C/C	06
8	C7	300 X 600			●12 NOS-20#	8# @ 100 C/C	8# @ 150 C/C	10



FOUNDATION SECTION DETAILS



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PROJECT :
PROPOSED CONSTRUCTION OF INDIAN BANK'S RURAL SELF EMPLOYMENT TRAINING INSTITUTE AT THIRUVANAMALAI, TAMILNADU

TITLE :
FOUNDATION & COLUMN SECTION DETAILS

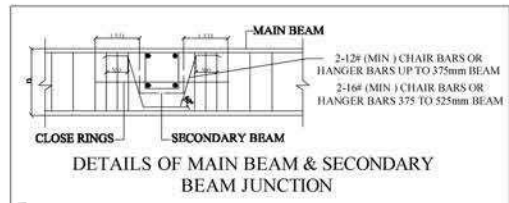
DRAWN : P.MURALINATHAN **DATE :** 17/07/2025

CHECKED : C.ARUN **SHEET NO :** 02

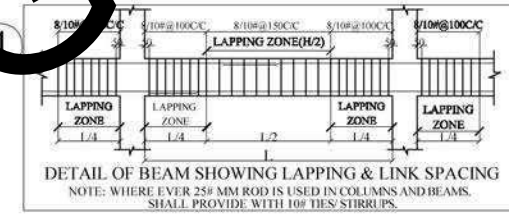
APPROVED : C.ARUN **REV NO :**

SCALE : 1:100

PROJECT NUMBER : SCPL/01/2024-25



SC-STUB COLUMN



REINFORCEMENT

230
300
TB1

- 2 NOS 12# TOP
- 2 NOS 12# BOTTOM
- 8# @ 150mm/C/C

REINFORCEMENT

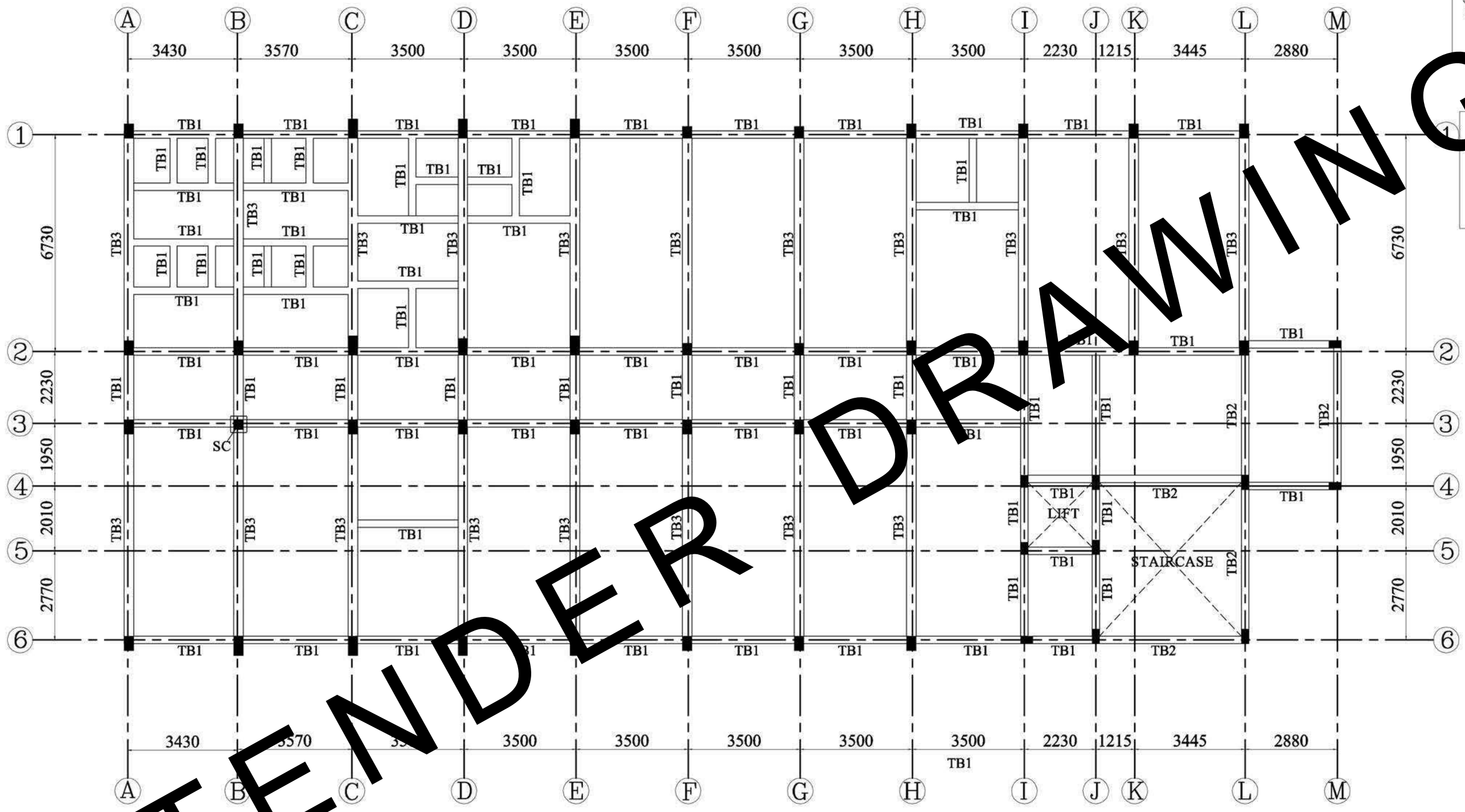
230
375
TB2

- 3 NOS 12# TOP
- 3 NOS 12# BOTTOM
- 8# @ 150mm/C/C

REINFORCEMENT

230
450
TB3

- 3 NOS 16# TOP
- 3 NOS 16# BOTTOM
- 8# @ 150mm/C/C



TIE BEAM LAYOUT AT +1800MM LEVEL

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STRUCTURAL CONSULTANTS:

SCPL SAKTHI CONSULTANCY

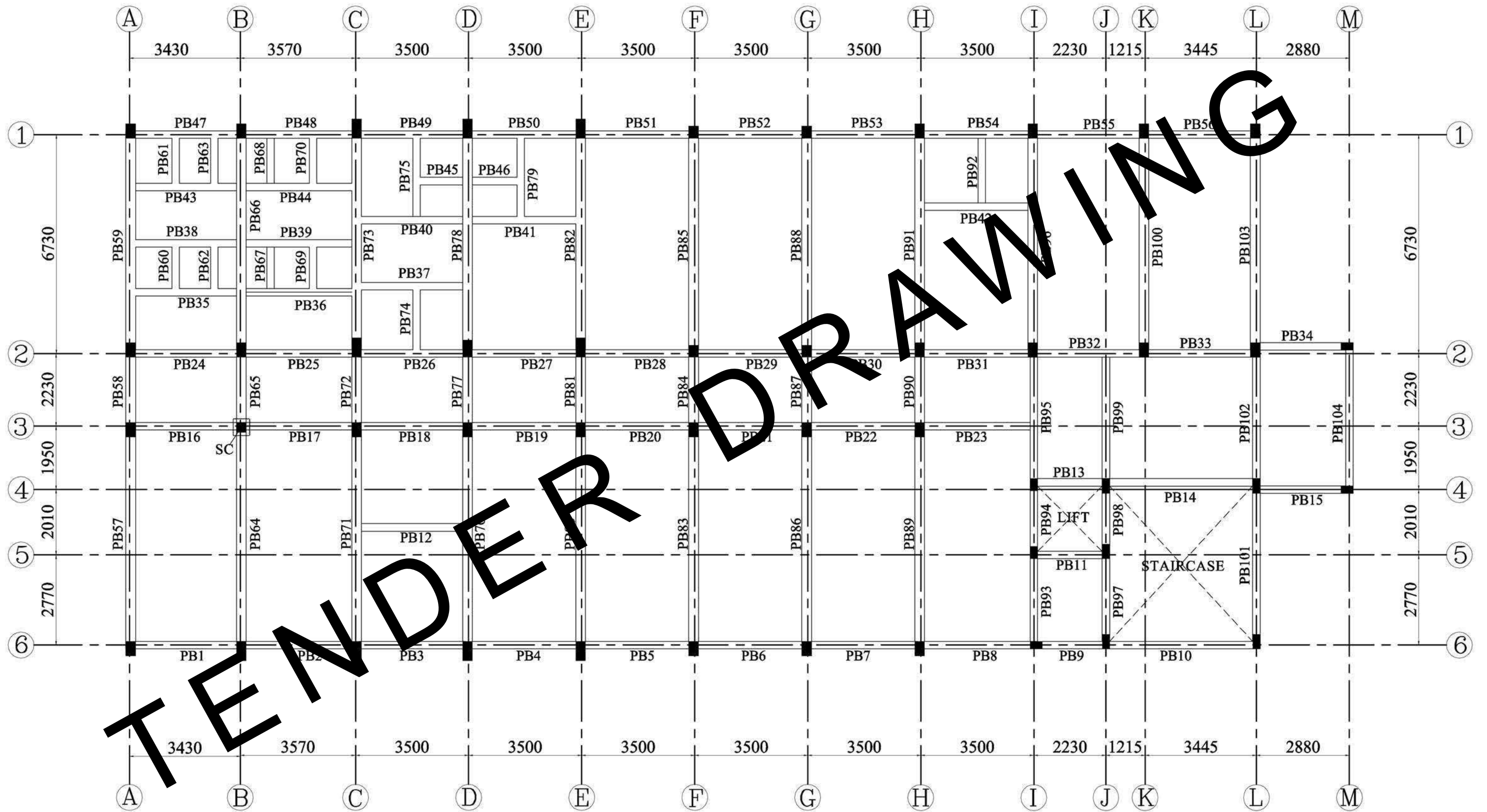
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PROJECT :
PROPOSED CONSTRUCTION OF INDIAN BANK'S RURAL SELF EMPLOYMENT TRAINING INSTITUTE AT THIRUVANAMALAI, TAMILNADU

TITLE :
TIE BEAM LAYOUT & SECTION DETAILS

DRAWN : P.MURALINATHAN	DATE : 17/07/2025
CHECKED : C.ARUN	SHEET NO : 03
APPROVED : C.ARUN	REV NO :
SCALE : 1:100	
PROJECT NUMBER : SCPL/01/2024-25	





PLINTH BEAM LAYOUT AT +0MM LEVEL



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ARCHITECTS:



STRUCTURAL CONSULTANTS:



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TITLE :

PLINTH BEAM LAYOUT & SECTION DETAILS

DRAWN : P.MURALINATHAN

DATE : 17/07/2025

CHECKED : C.ARUN

SHEET NO : 04

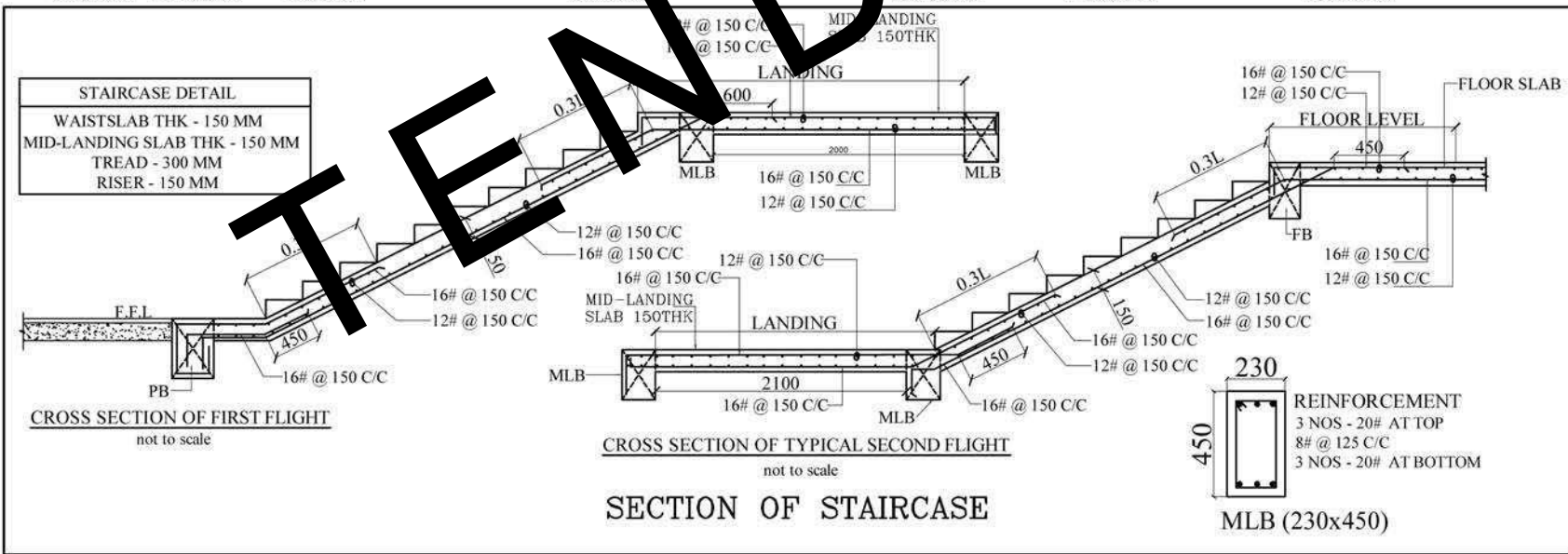
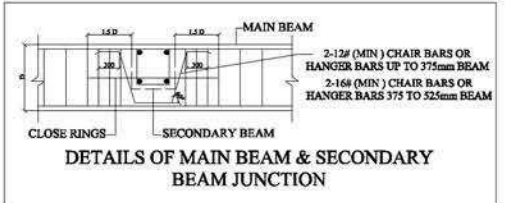
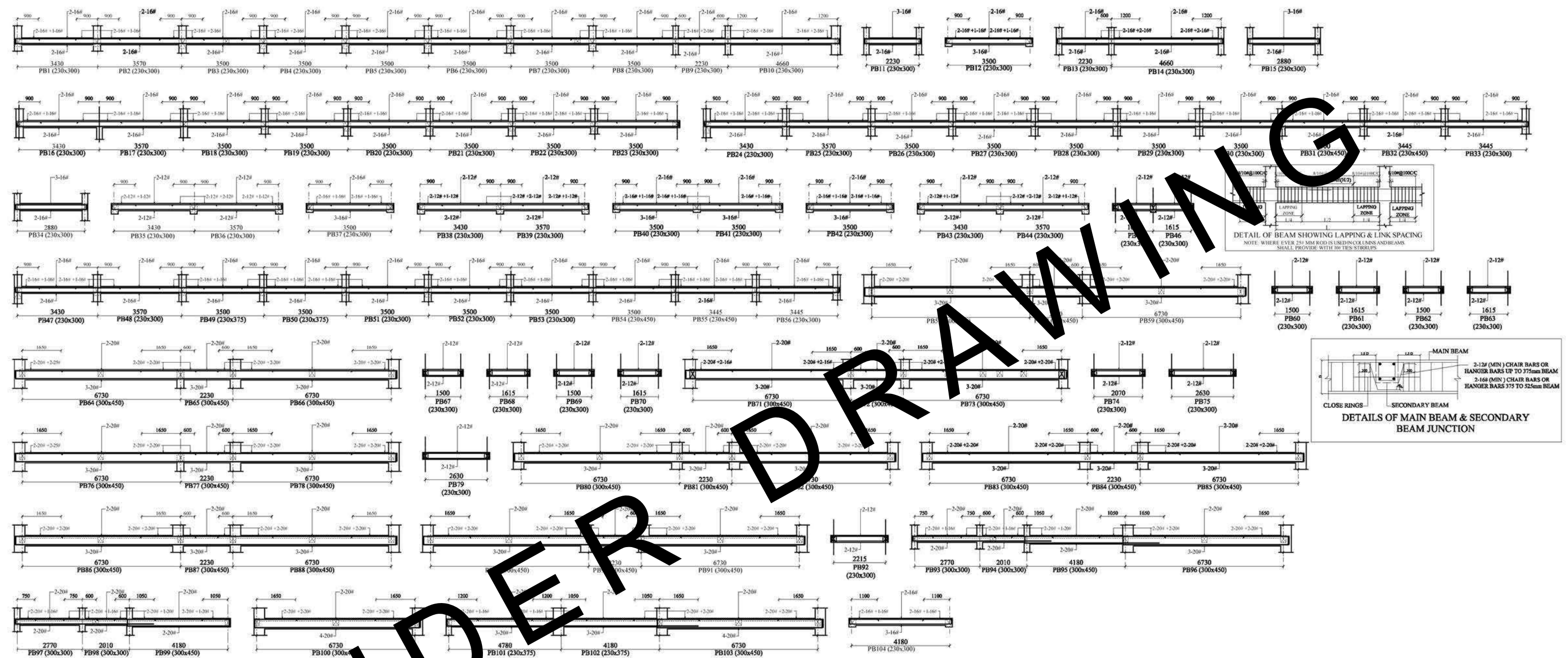
APPROVED : C.ARUN

REV NO :

SCALE : 1:100

PROJECT NUMBER : SCPL/01/2024-25





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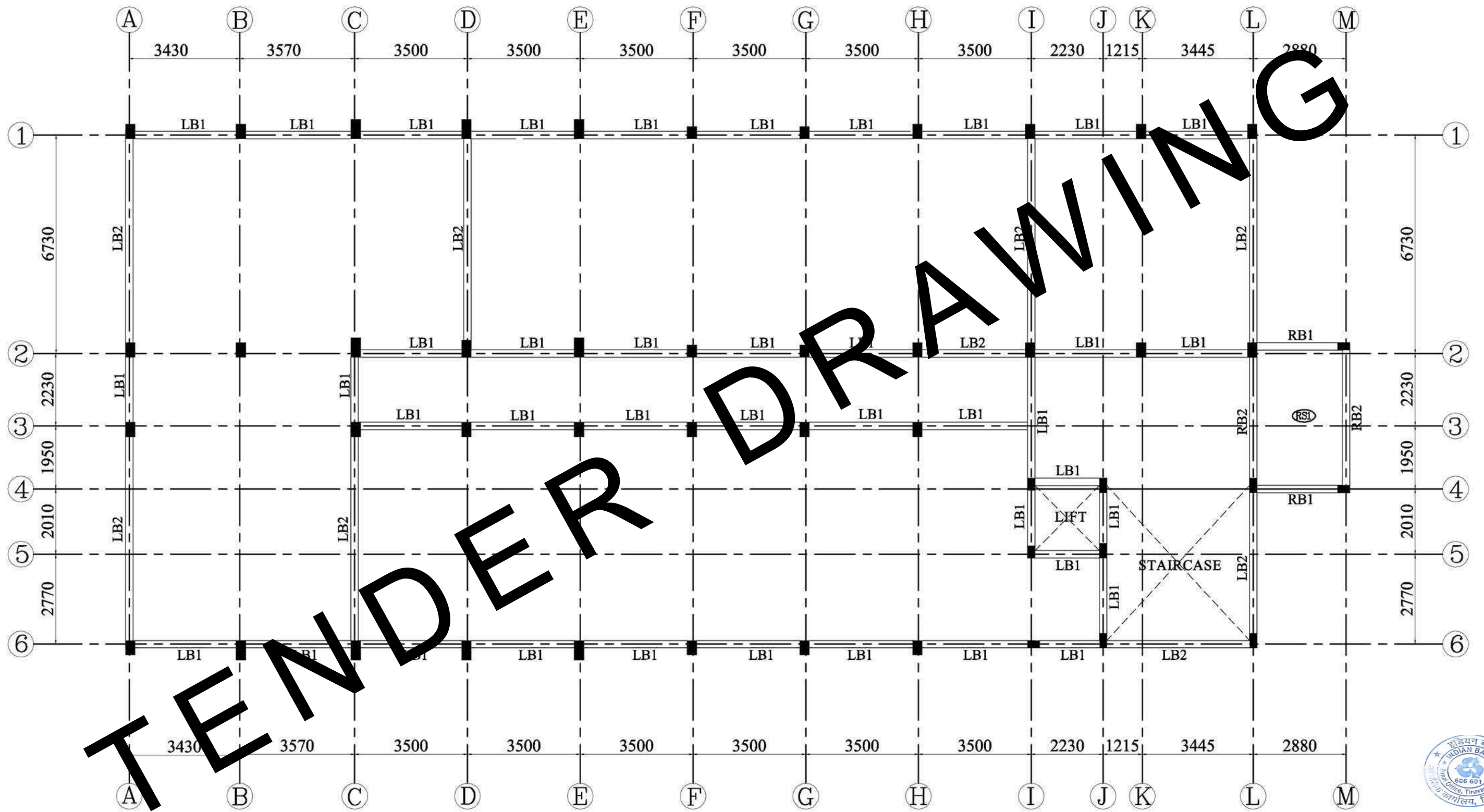
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PROJECT :
 PROPOSED CONSTRUCTION OF INDIAN BANK'S RURAL SELF EMPLOYMENT TRAINING INSTITUTE AT THIRUVANAMALAI, TAMILNADU

TITLE :
 TIE BEAM LAYOUT & SECTION DETAILS

DRAWN :	P.MURALINATHAN	DATE :	17/07/2025
CHECKED :	C.ARUN	SHEET NO :	05
APPROVED :	C.ARUN	REV NO :	
SCALE :	1:100		
PROJECT NUMBER :	SCPL/01/2024-25		





GROUND FLOOR LINTEL BEAM LAYOUT AT +2550MM LEVEL



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ARCHITECTS:



STRUCTURAL CONSULTANTS:



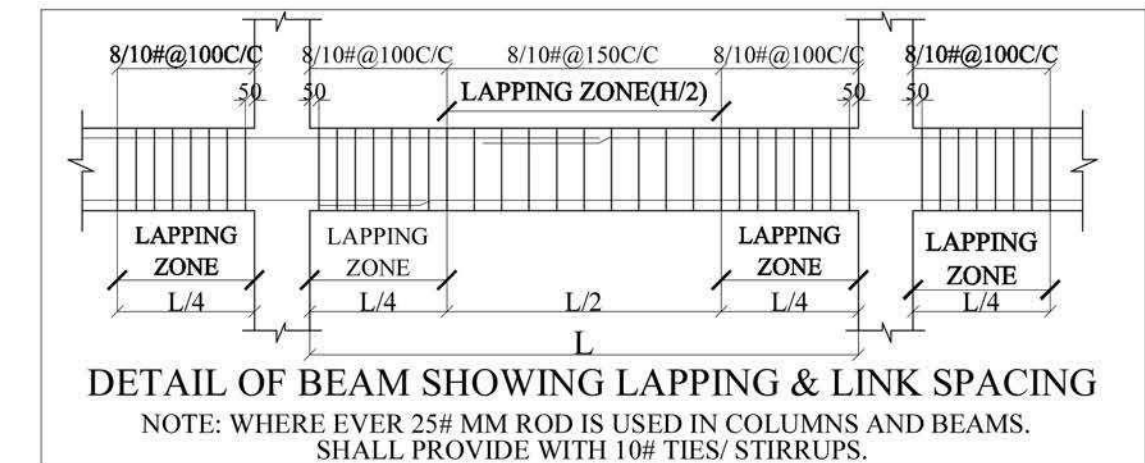
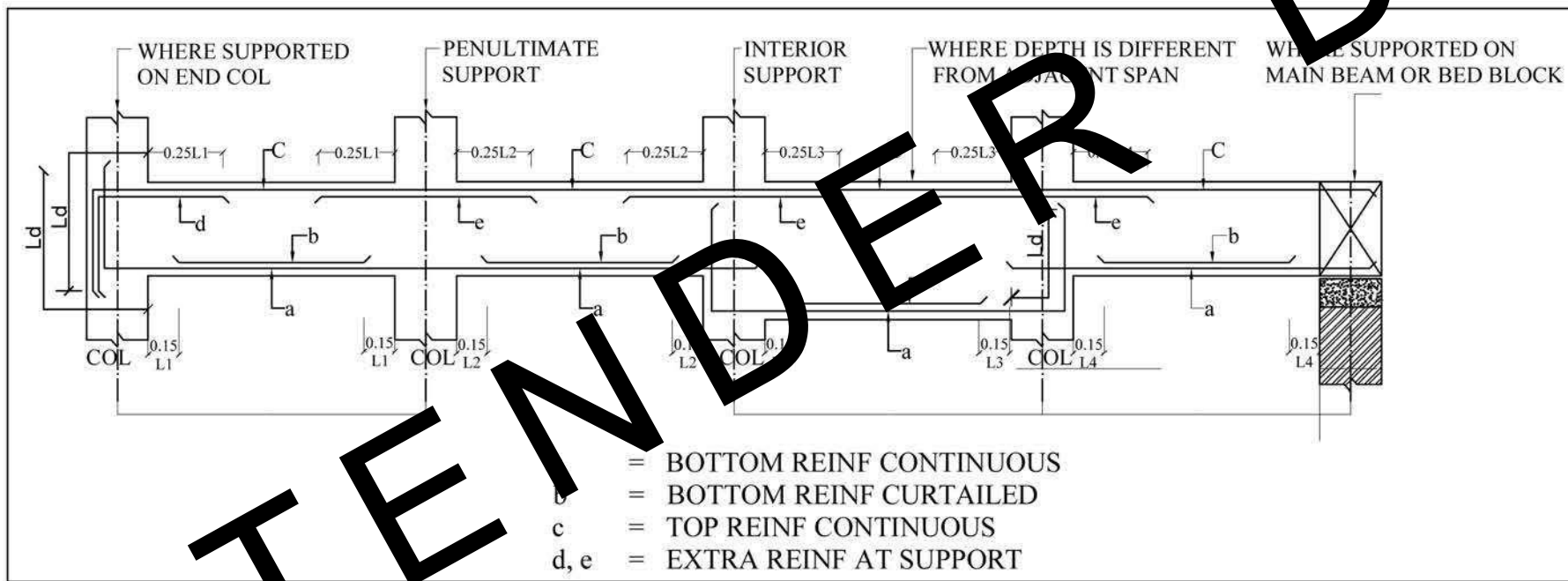
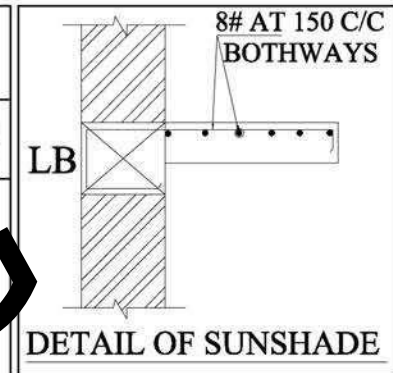
PROJECT :
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TITLE :
 GROUND FLOOR LINTEL BEAM LAYOUT

DRAWN : P.MURALINATHAN	DATE : 17/07/2025
CHECKED : C.ARUN	SHEET NO : 06
APPROVED : C.ARUN	REV NO :
SCALE : 1:100	
PROJECT NUMBER : SCPL/01/2024-25	

SCHEDULE OF RCC BEAM DETAILS

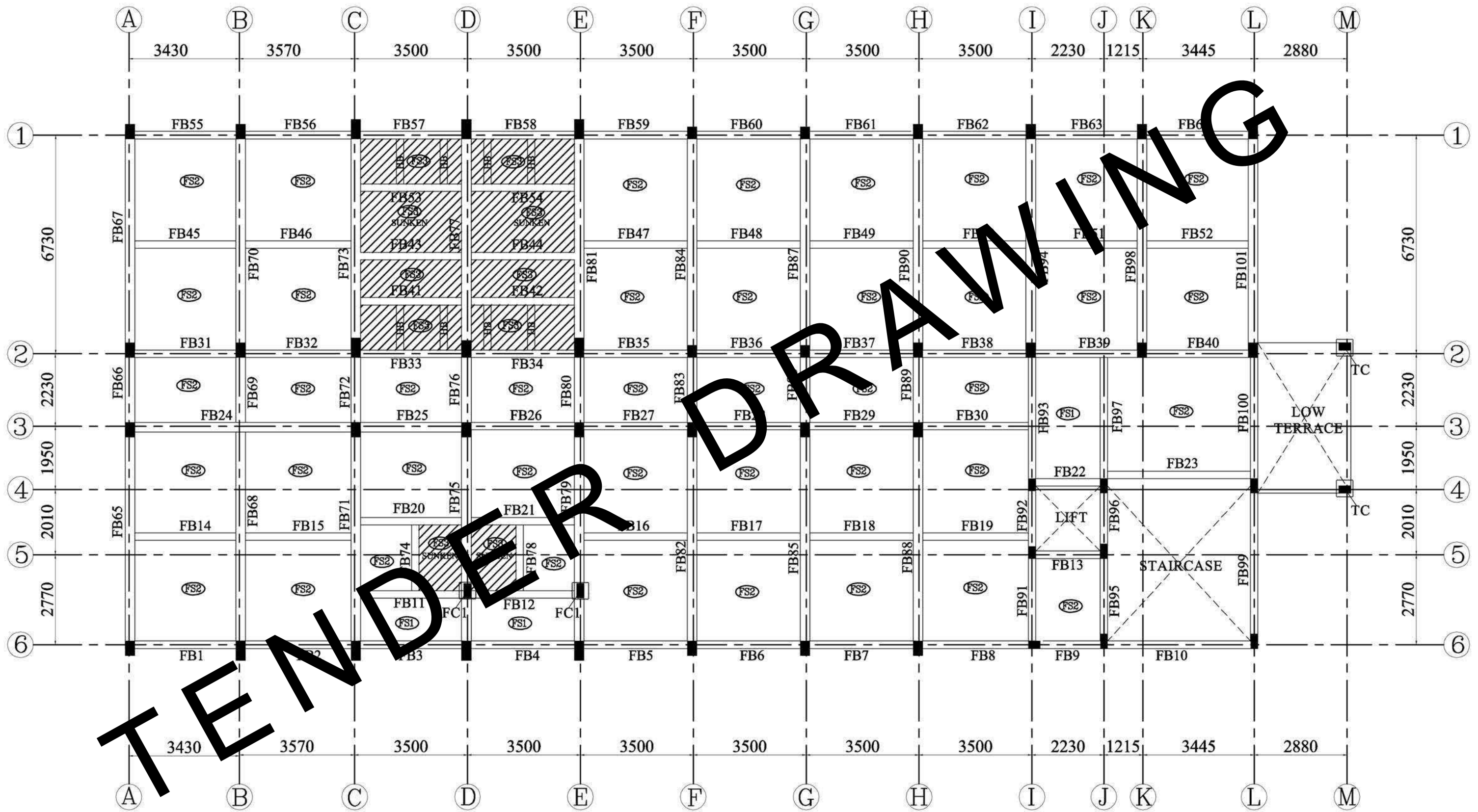
SL No	BEAM DESIGNATION	SIZE		SPAN 'L'	MAIN REINFORCEMENT						STIRRUPS		REMARKS
		WIDTH	DEPTH		BOTTOM BARS STRAIGHT	BOTTOM BARS EXTRA AT CENTRE	TOP BARS STRAIGHT	TOP BARS EXTRA AT DIS CONT/[END] SUPPORT	TOP BARS EXTRA AT CONT [penultimate] SUPPORT	TOP BARS EXTRA AT CONT [interior] SUPPORT	NEAR SUPPORT(L/4)	MIDDLE SPAN(L/2)	
					'a'	'b'	'c'	'd'	'e'	'e'			
					N0-DIA [#]	N0-DIA [#]	N0-DIA [#]	N0-DIA [#]	N0-DIA [#]	N0-DIA [#]	DIA [#]-C/C	DIA [#]-C/C	
01	LB1/RB1	230	300	-	2-16	-	2-16	1-16	1-16	1-16	8# @ 100 C/C	8# @ 150 C/C	
02	LB2/RB2	230	375	-	3-16	-	2-16	2-16	2-16	2-16	8# @ 100 C/C	8# @ 150 C/C	



SCHEDULE OF RCC SLABS											
SL NO	NAME OF SLAB	THICKNESS IN MM	MAIN BARS				EXTRA BARS OVER END SUPPORT				REMARKS
			SHORT SPAN		LONG SPAN		SHORT SPAN		LONG SPAN		
			DIA	SPACING	DIA	SPACING	DIA	SPACING	DIA	SPACING	
01	RS1	125	8#	150 C/C	8#	150 C/C	8#	300 C/C	8#	300 C/C	ENTRANCE ROOF SLAB

GROUND FLOOR LINTEL BEAM SECTION DETAILS

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GROUND FLOOR ROOF BEAM LAYOUT AT +3750MM LEVEL

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