



Your trusted partner for buying, selling, and managing property,
ensuring hassle-free service with 100% transparency.

3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

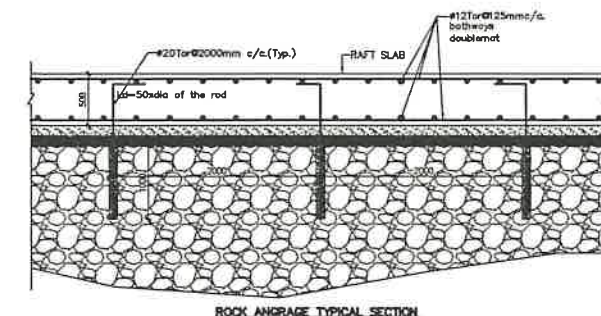
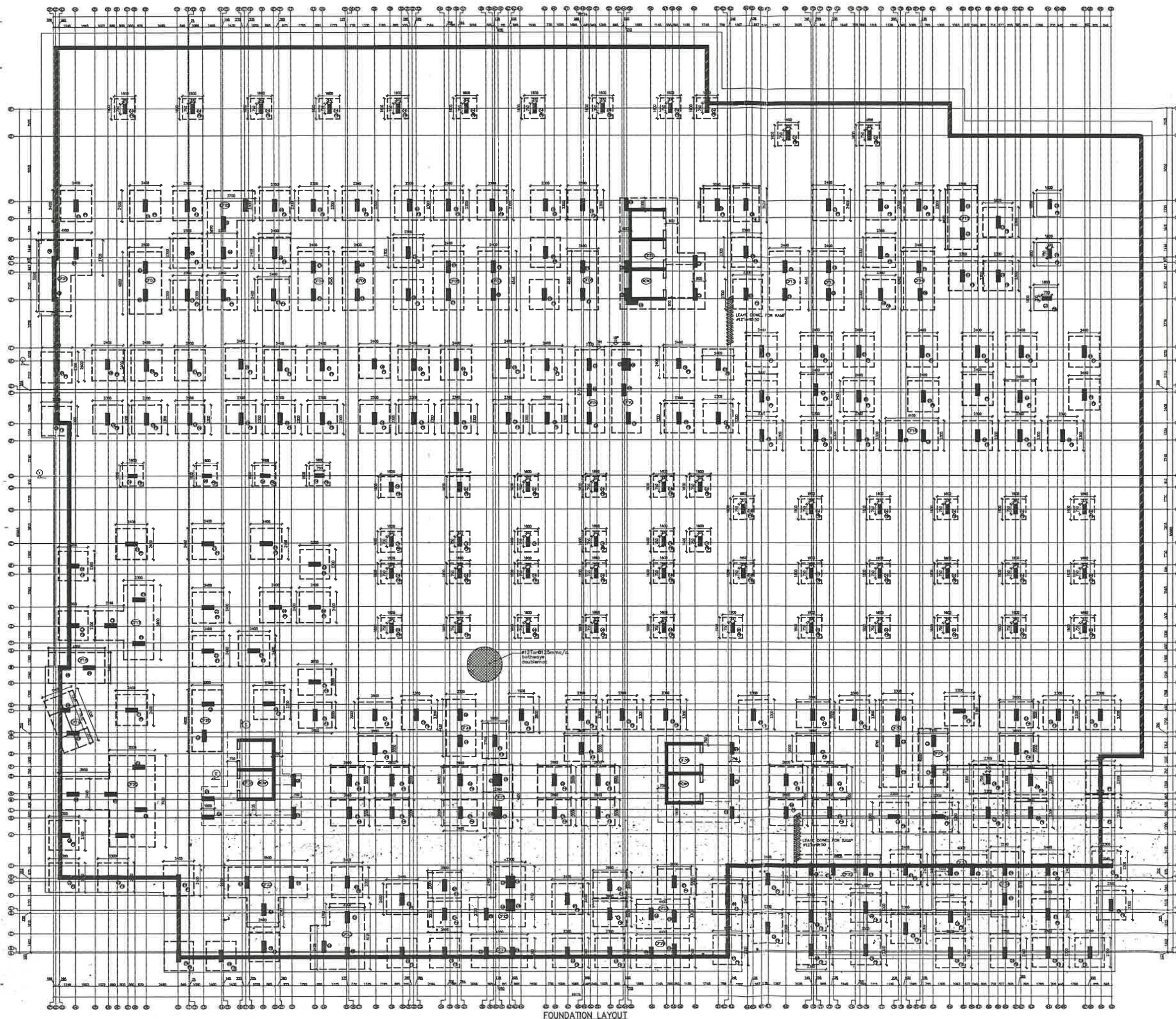
hello@verified.realestate

+91 9996 12 9996

www.verified.realestate

Official Property Record





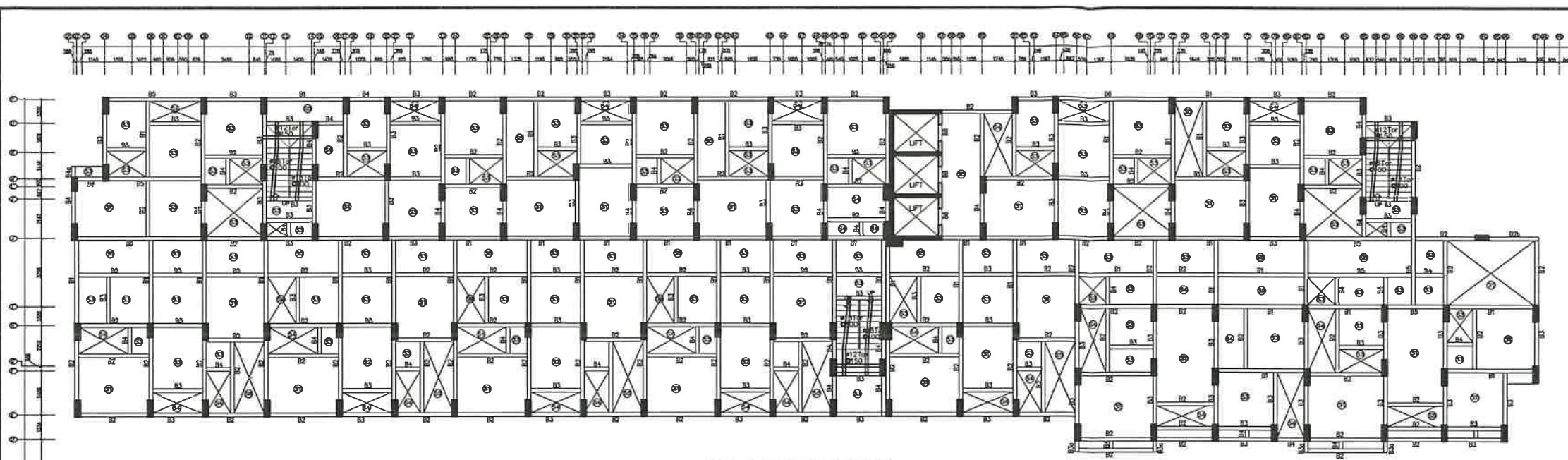
- NOTES :
1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
 3. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
 4. CONCRETE MIX :-
FOR COLUMNS : M40,
(CEMENT CONTENT - 400 KG/M³)
CONTRACTOR / CLIENT SHALL SEND US CUBE TEST RESULTS TO SUBSTANTIATE THE CONCRETE MIX GRADE.
IF READY MIXED CONCRETE IS BEING USED, CLIENT/CONTRACTOR SHALL CAST CONCRETE CUBES INDEPENDENTLY AT SITE AND SEND CUBE RESULTS THUS OBTAINED TO US.
 5. MAXIMUM WATER CEMENT RATIO :
FOR 1:2:4 - 0.50
FOR 1:1 1/2:3 - 0.45
 6. REINFORCEMENT :
TOR STEEL FOR 40MM & ABOVE CONFORMING TO IS 1786 (LATEST REVISION) Fe 500
 7. CLEAR CONCRETE COVER TO MAIN BARS :
FOR COLUMNS : 40MM, FOR RC WALL : 25MM
FOR FOOTINGS&RAFT SLAB : 50MM, RAFT BEAM : 75MM
PLINTH BEAM : 25MM.
 8. USE STONE AGGREGATES AND SAND CONFORMING TO IS 383 (LATEST REVISION)
STONE AGGREGATES SIZE - 20MM AND DOWN GRADE
 9. USE GOOD WATER FOR CONCRETE MIXING AND CURING CONFORMING TO IS 456 (LATEST REVISION)
 10. USE ORDINARY PORTLAND CEMENT CONFORMING TO IS 8112 (LATEST REVISION) FOR 43 GRADE CEMENT & IS 12269 FOR 53 GRADE CEMENT.
 11. S.B.C OF SOIL IS ASSUMED AS - 40T/SQ.M
 12. FOUNDATION IS DESIGNED FOR BASAMNET+STILT+11FLOOR
 13. THE CENTERING AND SHUTTERING TO SUPPORT STRUCTURAL CONCRETE MUST BE SUFFICIENTLY STRONG AND RIGIDLY BRACED. HORIZONTAL TIES SHALL BE PROVIDED AT EVERY 1.5M HEIGHT.
 14. THE STABILITY OF SUPPORTS AND STRENGTH OF THE CENTERING AND FORMWORK SHOULD BE ENSURED BY THE CONTRACTOR AND SITE ENGINEER BEFORE PLACING CONCRETE.

R1			
NO.	AMENDMENTS	BY	DATE
SCALE	1:100	DESIGN BY	-
JOB NO	001	DRAWN BY	-
DRG NO	S01	DATE	-

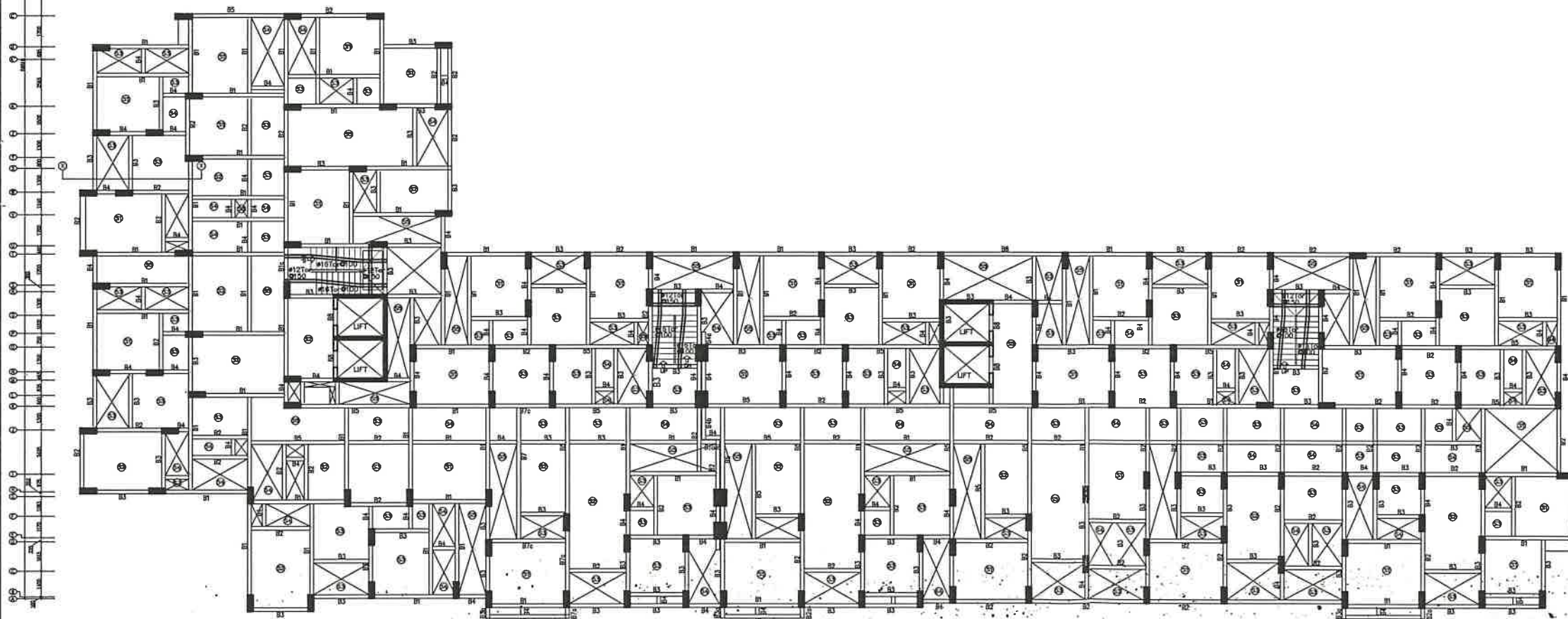
DRAWING TITLE:
FOUNDATION LAYOUT.

PROJECT TITLE :
PROPOSED CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP DEVELOPMENT CONSISTS OF 3 BLOCKS WITH COMBINED BASEMENT, BLOCK 1: STILT + 11 UPPER FLOORS WITH 143 DWELLING UNITS, BLOCK 2: STILT + 11 UPPER FLOORS BLOCK-3 (INCIDENTAL BLOCK) WITH-TOTAL 288 DWELLING UNITS IN S.NOS. 387/1A1A1,388,389/2,390/1B OF PADAPPAL VILLAGE, KUNDRATHUR TALUK, KANCHIPURAM DISTRICT

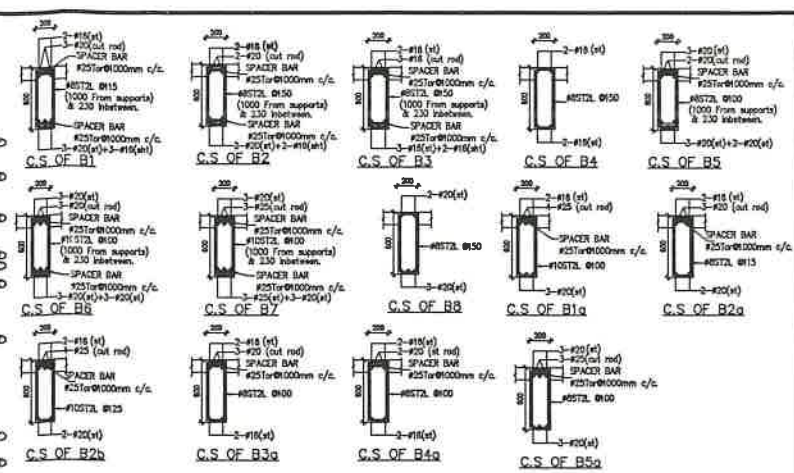
STRUCTURAL CONSULTANT
E. P. RAMAN, M.E., C.Engg.,
Registered Structural Engineer Grade-I (SE)
P&P Reg No. CU/REG/SE/GR-I/2019/07/022
S. S. Manians Apartment,
No.5/13, Thambiah Road Extn.,
West Mambalam, Chennai-600 033.



SLAB BEAM LAYOUT (BLOCK-2)
(ALL SLAB THICKNESS IS-125MM, UNLESS SPECIFIED.)



SLAB BEAM LAYOUT (BLOCK-1)
(ALL SLAB THICKNESS IS-125MM, UNLESS SPECIFIED.)



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES.
 - THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
 - CONCRETE MIX :-
FOR COLUMNS : M40.
(CEMENT CONTENT - 400 KG/M3)
* CONTRACTOR / CLIENT SHALL SEND US CUBE TEST RESULTS TO SUBSTANTIATE THE CONCRETE MIX GRADE.
* IF READY MIXED CONCRETE IS BEING USED, CLIENT/CONTRACTOR SHALL CAST CONCRETE CUBES INDEPENDENTLY AT SITE AND SEND CUBE RESULTS THUS OBTAINED TO US.
 - MAXIMUM WATER CEMENT RATIO :
FOR 1:2:4 - 0.50
FOR 1:1 1/2:3 - 0.45
 - REINFORCEMENT :
TOR STEEL FOR 8MM & ABOVE CONFORMING TO IS 1786 (LATEST REVISION)
 - CLEAR CONCRETE COVER TO MAIN BARS :
FOR COLUMNS : 40MM, FOR RC WALL : 25MM
FOR FOOTINGS/RAFT SLAB : 50MM, RAFT BEAM: 75MM
PLINTH BEAM : 25MM.
 - USE STONE AGGREGATES AND SAND CONFORMING TO IS 383 (LATEST REVISION)
STONE AGGREGATES SIZE - 20MM AND DOWN GRADE
 - USE GOOD WATER FOR CONCRETE MIXING AND CURING CONFORMING TO IS 456 (LATEST REVISION)
 - USE ORDINARY PORTLAND CEMENT CONFORMING TO IS 8112 (LATEST REVISION) FOR 43 GRADE CEMENT & IS 12269 FOR 53 GRADE CEMENT.
 - S.B.C OF SOIL IS ASSUMED AS - 40T/SQ.M
 - FOUNDATION IS DESIGNED FOR BASAMNET+STILT+11FLOOR
 - THE CENTERING AND SHUTTERING TO SUPPORT STRUCTURAL CONCRETE MUST BE SUFFICIENTLY STRONG AND RIGIDLY BRACED.HORIZONTAL TIES SHALL BE PROVIDED AT EVERY 1.5M HEIGHT.
 - THE STABILITY OF SUPPORTS AND STRENGTH OF THE CENTERING AND FORMWORK SHOULD BE ENSURED BY THE CONTRACTOR AND SITE ENGINEER BEFORE PLACING CONCRETE.

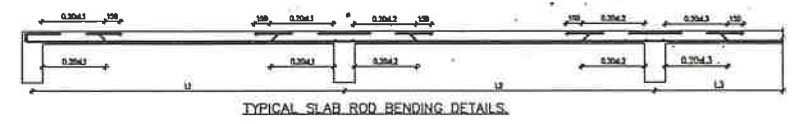
NO.	AMENDMENTS	BY	DATE
SCALE	1:100	DESIGN BY	-
JOB NO	001	DRAWN BY	-
DRG NO	S05	DATE	-

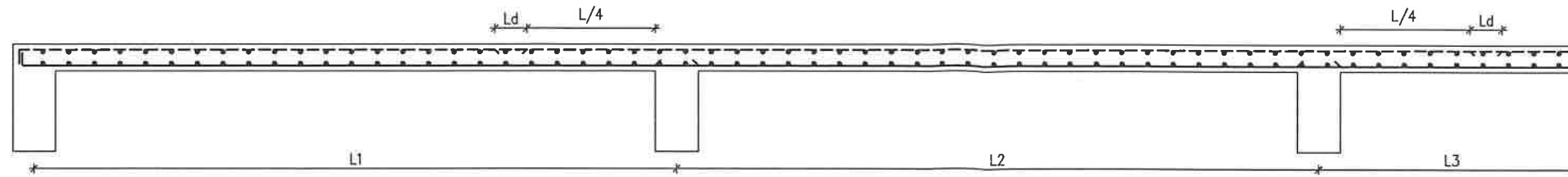
DRAWING TITLE:
SLAB BEAM LAYOUT OVER STILT FLOOR.

PROJECT TITLE :
PROPOSED CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP DEVELOPMENT CONSISTS OF 3 BLOCKS WITH COMBINED BASEMENT, BLOCK 1: STILT + 11 UPPER FLOORS WITH 143 DWELLING UNITS, BLOCK 2: STILT + 11 UPPER FLOORS BLOCK-3 (INCIDENTAL BLOCK) WITH TOTAL 285 DWELLING UNITS IN S.NOS 387/1A1A1,388,389/2,390/1B OF PADAPPAI VILLAGE, KUNDRAITHUR TALUK, KANCHIPURAM DISTRICT

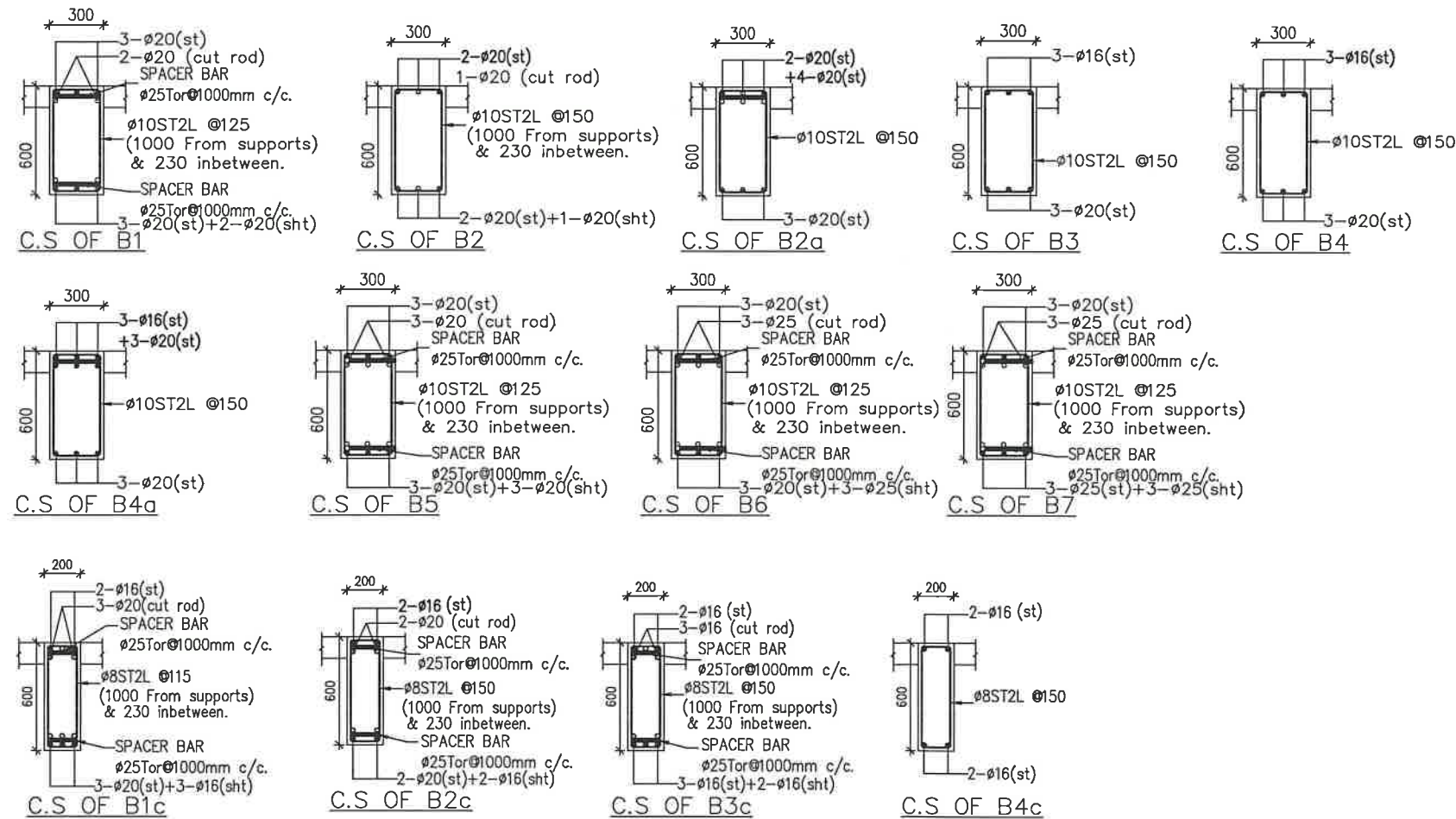
STRUCTURAL CONSULTANT
P. RAMA
Registered Structural Engineer Grade-I (SE)
OTCP Reg No: CGLR/ENR/GR-12019/07022
S S. Manjuna Achari
No.5/13, Thambiah Road Edn,
West Marbalam, Chennai-600 033.

S.NO	SHORT SPAN	LONG SPAN	SLAB THICKNESS	REMARKS
S1	#10Tor@150	#10Tor@150	125MM	TWOWAY SLAB
S2	#10Tor@150	#8Tor@150	125MM	TWOWAY SLAB
S3	#8Tor@150	#8Tor@150	125MM	TWOWAY SLAB
S4	#8Tor@150	#8Tor@150	125MM	ONEWAY SLAB
S5	#10Tor@150	#10Tor@150	125MM	ONEWAY SLAB





TYPICAL SLAB ROD BENDING DETAILS.



SLAB REINFORCEMENT DETAILS

S.NO	SHORT SPAN	LONG SPAN	SLAB THICKNESS	REMARKS
S1	$\phi 12$ Tor @ 150	$\phi 10$ Tor @ 150	150MM	Double Mat
S2	$\phi 10$ Tor @ 125	$\phi 10$ Tor @ 150	150MM	Double Mat
S3	$\phi 10$ Tor @ 150	$\phi 10$ Tor @ 150	150MM	Double Mat
S4	$\phi 10$ Tor @ 150	$\phi 10$ Tor @ 175	150MM	Double Mat

- NOTES :
- ALL DIMENSIONS ARE IN MILLIMETRES.
 - THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS
 - ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
 - CONCRETE MIX :-
FOR COLUMNS : M40.
(CEMENT CONTENT - 400 KG/M³)
* CONTRACTOR / CLIENT SHALL SEND US CUBE TEST RESULTS TO SUBSTANTIATE THE CONCRETE MIX GRADE.
* IF READY MIXED CONCRETE IS BEING USED, CLIENT/CONTRACTOR SHALL CAST CONCRETE CUBES INDEPENDENTLY AT SITE AND SEND CUBE RESULTS THUS OBTAINED TO US.
 - MAXIMUM WATER CEMENT RATIO :
FOR 1:2:4 - 0.50
FOR 1:1 1/2:3 - 0.45
 - REINFORCEMENT :
TOR STEEL FOR $\phi 8$ MM & ABOVE CONFORMING TO IS 1786 (LATEST REVISION)
 - CLEAR CONCRETE COVER TO MAIN BARS :
FOR COLUMNS : 40MM, FOR RC WALL : 25MM
FOR FOOTINGS/RAFT SLAB : 50MM, RAFT BEAM : 75MM
PLINTH BEAM : 25MM.
 - USE STONE AGGREGATES AND SAND CONFORMING TO IS 383 (LATEST REVISION)
STONE AGGREGATES SIZE - 20MM AND DOWN GRADE
 - USE GOOD WATER FOR CONCRETE MIXING AND CURING CONFORMING TO IS 456 (LATEST REVISION)
 - USE ORDINARY PORTLAND CEMENT CONFORMING TO IS 8112 (LATEST REVISION) FOR 43 GRADE CEMENT & IS 12269 FOR 53 GRADE CEMENT.
 - S.B.C OF SOIL IS ASSUMED AS - 40T/SQ.M
 - FOUNDATION IS ASSIGNED FOR BASAMNET+STILT+11FLOOR
 - THE CENTERING AND SHUTTERING TO SUPPORT STRUCTURAL CONCRETE MUST BE SUFFICIENTLY STRONG AND RIGIDLY BRACED.HORIZONTAL TIES SHALL BE PROVIDED AT EVERY 1.5M HEIGHT.
 - THE STABILITY OF SUPPORTS AND STRENGTH OF THE CENTERING AND FORMWORK SHOULD BE ENSURED BY THE CONTRACTOR AND SITE ENGINEER BEFORE PLACING CONCRETE.

R1	-		
NO.	AMENDMENTS	BY	DATE
SCALE	1:100	DESIGN BY	-
JOB NO	001	DRAWN BY	-
DRG NO	S04	DATE	-

DRAWING TITLE:
RCC DETAILS OF BEAM C.S OVER BASEMENT.

PROJECT TITLE :
PROPOSED CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP DEVELOPMENT CONSISTS OF 3 BLOCKS WITH COMBINED BASEMENT, BLOCK 1: STILT + 11 UPPER FLOORS WITH 143 DWELLING UNITS, BLOCK 2: STILT + 11 UPPER FLOORS BLOCK-3 (INCIDENTAL BLOCK) WITH TOTAL 286 DWELLING UNITS IN S.NO.387/1A1A1,388,389/2,390/1B OF PADAPPAL VILLAGE, KUNDRATHUR TALUK, KANCHIPURAM DISTRICT

STRUCTURAL CONSULTANT
Er. P. RAMAN, I.E. (Civil), P.E. (Struct), M.I.E., C.Engg.,
Registered Structural Engineer Grade-I (SE)
DTC Reg No: CGLRGN/SE/GR-I/2019/07/022
S.S. Marians Apartment,
No 5/13, Thanthiruv Road Eddi,
West Tambelambi, Chennai-600 033.

SCHEDULE OF FOOTING & COLUMNS (MIX: 40)

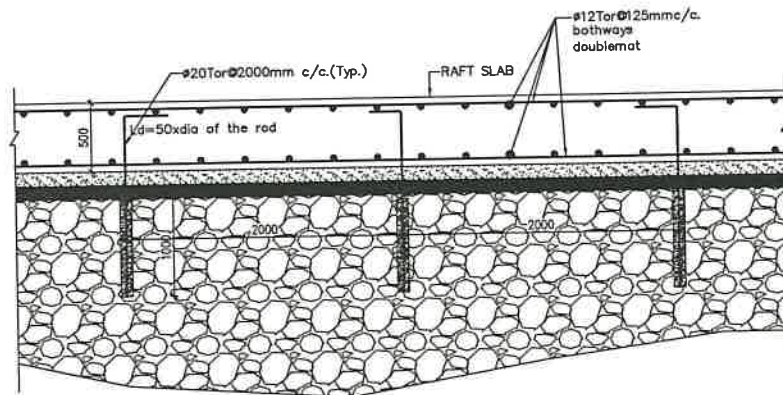
TYPE	FOOTING SIZE	DEPTH			COLUMN REINFORCEMENT							STIRRUPS
		h1	L	B	BASEMENT FLOOR	STILT FLOOR	FIRST FLOOR	2nd,3rd & 4th FLOOR	5th,6th & 7th FLOOR	8th,9th & 10th FLOOR	11th FLOOR	
C1	COMBINED FOOTING AND LIFT (CF-)	300	900	300	18nos.-#25 900	18nos.-#25 900	18nos.-#25 900	18nos.-#25 900	10nos.-#25+8nos.-#20 900	18nos.-#20 900	10nos.-#20+8nos.-#16 900	#8Tor
C2					18nos.-#25 900	18nos.-#25 900	18nos.-#25 900	18nos.-#25 900	10nos.-#25+8nos.-#20 900	18nos.-#20 900	10nos.-#20+8nos.-#16 900	#8Tor
C3					16-#25 900	16-#25 900	16-#25 900	8nos.-#25+8nos.-#20 900	16nos.-#20 900	8nos.-#20+8nos.-#16 900	16nos.-#16 900	#8Tor
C4					14-#25 750	TERMINATED						#8Tor
C5					14-#25 750	14-#25 750	14-#25 750	8nos.-#25+6nos.-#20 750	4nos.-#25+10nos.-#20 750	14nos.-#20 750	8nos.-#20+6nos.-#16 750	#8Tor
C6					20nos.-#25 1045	20nos.-#25 1045	20nos.-#25 1045	14nos.-#25+8nos.-#20 1045	20nos.-#20 1045	14nos.-#20+8nos.-#16 1045	10nos.-#20+10nos.-#16 1045	#8Tor
C7					14-#25 750	14-#25 750	TERMINATED					#8Tor

SCHEDULE OF FLAT FOOTING

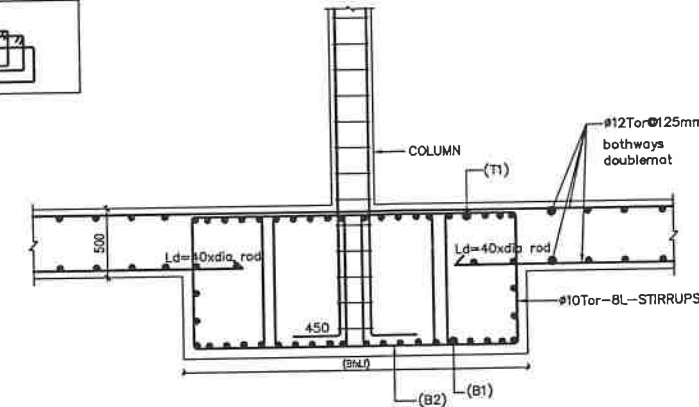
S.I. NO	FOOTING MARKED	FOOTING SIZE			REINFORCEMENT	
		Bf	Lf	D	B1	B2
1.	F1	2400	2400	1100	#20Tor@100	#20Tor@100
2.	F2	2300	2300	1000	#20Tor@150	#20Tor@150
3.	F3	1900	2750	1100	#20Tor@100	#20Tor@100
4.	F4	2000	2600	1100	#20Tor@100	#20Tor@100
5.	F5	1900	2800	1100	#20Tor@100	#20Tor@100
6.	F6	1600	1600	750	#16Tor@150	#16Tor@150
7.	F7	2000	2500	1100	#20Tor@150	#20Tor@150

NOTES :

- ALL DIMENSIONS ARE IN MILLIMETRES.
- THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
- ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
- CONCRETE MIX :-
FOR COLUMNS : M40
(CEMENT CONTENT - 400 KG/M3)
CONTRACTOR / CLIENT SHALL SEND US CUBE TEST RESULTS TO SUBSTANTIATE THE CONCRETE MIX GRADE.
IF READY MIXED CONCRETE IS BEING USED, CLIENT/CONTRACTOR SHALL CAST CONCRETE CUBES INDEPENDENTLY AT SITE AND SEND CUBE RESULTS THUS OBTAINED TO US.
- MAXIMUM WATER CEMENT RATIO :
FOR 1:2:4 - 0.50
FOR 1:1 1/2:3 - 0.45
- REINFORCEMENT :
TOR STEEL FOR #8MM & ABOVE CONFORMING TO IS 1786 (LATEST REVISION) Fe 500
- CLEAR CONCRETE COVER TO MAIN BARS :
FOR COLUMNS : 40MM FOR RC WALL : 25MM
FOR FOOTINGS/RAFT SLAB : 50MM, RAFT BEAM : 75MM
PLINTH BEAM : 25MM.
- USE STONE AGGREGATES AND SAND CONFORMING TO IS 383 (LATEST REVISION)
STONE AGGREGATES SIZE - 20MM AND DOWN GRADE
- USE GOOD WATER FOR CONCRETE MIXING AND CURING CONFORMING TO IS 456 (LATEST REVISION)
- USE ORDINARY PORTLAND CEMENT CONFORMING TO IS 8112 (LATEST REVISION) FOR 43 GRADE CEMENT & IS 12269 FOR 53 GRADE CEMENT.
- S.B.C OF SOIL IS ASSUMED AS - 40T/SQ.M
- FOUNDATION IS DESIGNED FOR BASAMNET+STILT+11FLOOR
- THE CENTERING AND SHUTTERING TO SUPPORT STRUCTURAL CONCRETE MUST BE SUFFICIENTLY STRONG AND RIGIDLY BRACED.HORIZONTAL TIES SHALL BE PROVIDED AT EVERY 1.5M HEIGHT.
- THE STABILITY OF SUPPORTS AND STRENGTH OF THE CENTERING AND FORMWORK SHOULD BE ENSURED BY THE CONTRACTOR AND SITE ENGINEER BEFORE PLACING CONCRETE.



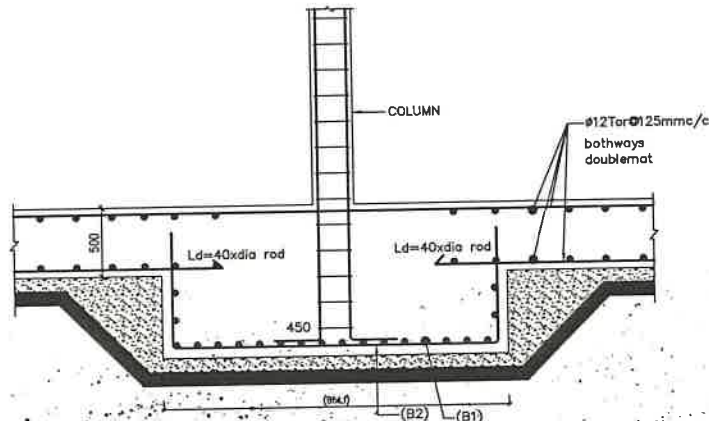
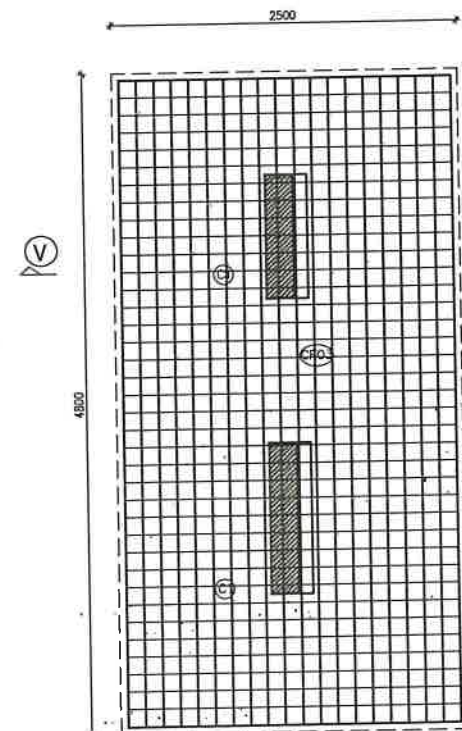
ROCK ANGRAGE TYPICAL SECTION



SECTION AT V-V

SCHEDULE OF COMBINED FOOTING

S.I. NO	FOOTING MARKED	FOOTING SIZE			REINFORCEMENT		
		Bf	Lf	D	B1	T1	STIRRUPS
1.	CF1	2500	5500	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
2.	CF2	2300	5970	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
3.	CF3	2500	4800	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
4.	CF4,CF5,CF6,CF7,CF8,CF12,CF13,CF14	2400	4545	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
5.	CF9,CF10	2300	6475	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
6.	CF15	2300	4820	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
7.	CF16	2300	4100	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
8.	CF17	2300	5800	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
9.	CF18	2400	4350	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
10.	CF19	2400	4330	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
11.	CF20	3500	7100	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
12.	CF21	2300	4800	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
13.	CF22	2400	6100	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
14.	CF23	2700	5125	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
15.	CF24	2300	4800	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
16.	CF25	2300	4850	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
17.	CF26	2300	4700	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
18.	CF27	2300	4350	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
19.	CF28,CF29	2300	4100	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
20.	CF30	2300	6780	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
21.	CF31	2300	4550	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
22.	CF32	2300	8500	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
23.	CF33	2300	4000	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST
24.	CF33	2150	5110	1100	#25Tor@125	#25Tor@125	#12Tor-BL-ST



SECTION AT U-U

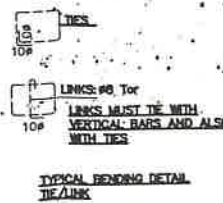
NOTES

Ld=50x dia of the rod.

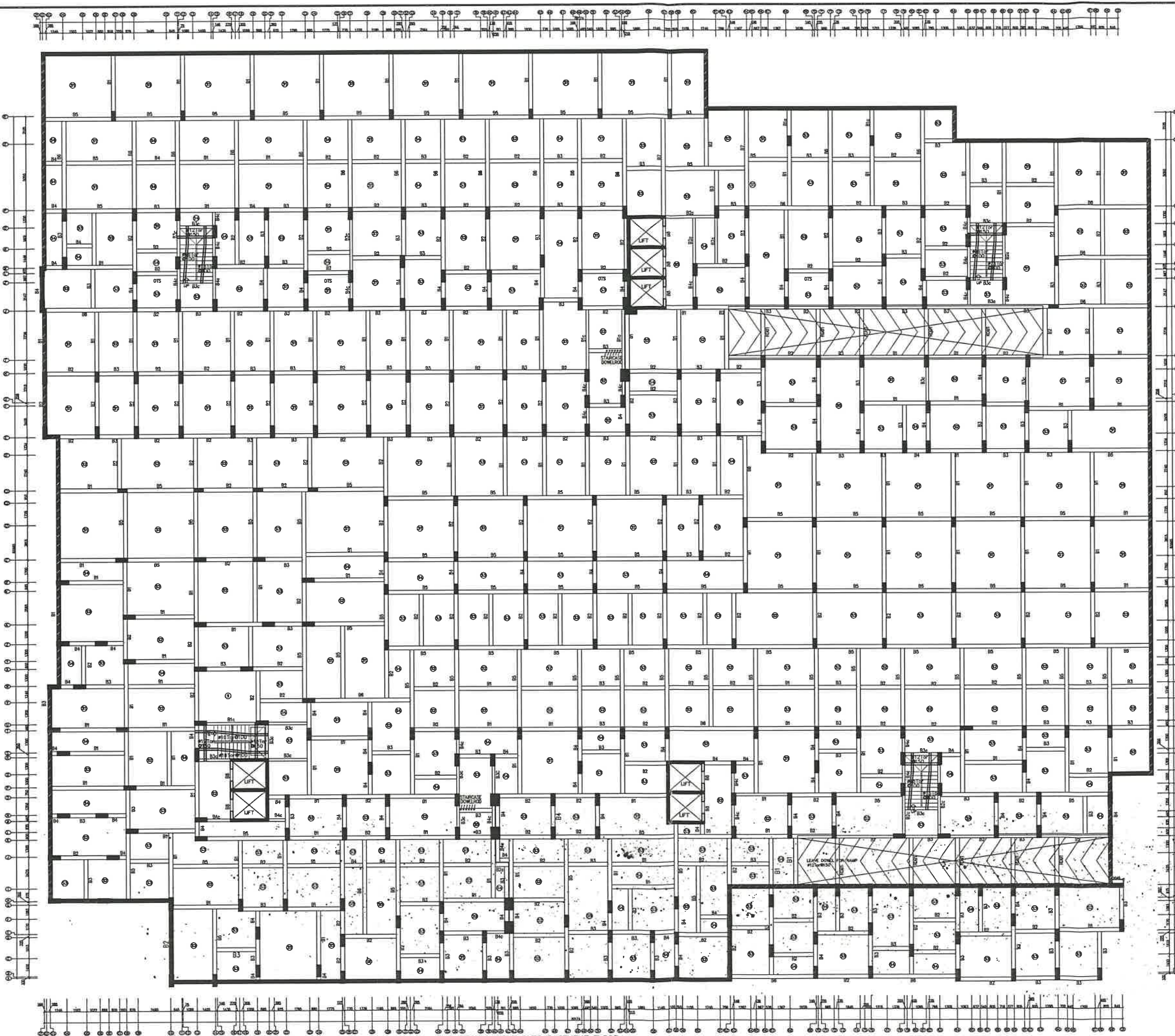
- NOT MORE THAN 1.5% NUMBER OF BARS ARE LAPPED AT ANY SECTION.
- ALL LAPS SHOULD BE STAGGERED AS SHOWN.
- AVOID LAPPING OF COL. BARS AT COL-BEAM JUNCTION.
- LAP=50 X dia of col. rod
LAP LENGTH 1250 for #25
(minimum) - 1000 for #20
800 for #18
600 for #12.
- PROVIDE LARGER DIAMETER OF BARS AT CORNERS OF COLUMN
- TO AVOID LAPPING USE THREADED COUPLER SPLICING.

NOTES

- CONCRETE GRADE :- AS SHOWN IN SCHEDULE
- REINFORCEMENT :- HIGH STRENGTH DEFORMED BARS (GRADE Fe500) CONFORMED TO IS: 1786-1986
- CLEAR CONCRETE COVER TO VERTICAL BARS - 40mm
- MINIMUM CEMENT CONTENT FOR M40 - 430 Kg/M3
M35 - 400 Kg/M3
M30 - 380 Kg/M3
M25 - 350 Kg/M3



REVISION	NO.	AMENDMENTS	BY	DATE
SCALE	1:100	DESIGN BY	-	-
JOB NO	001	DRAWN BY	-	-
DRG NO	S02	DATE	-	-
DRAWING TITLE: COLUMN SCHEDULE AND FOOTING DETAILS.				
PROJECT TITLE: PROPOSED CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP DEVELOPMENT CONSISTS OF 3 BLOCKS WITH COMBINED BASEMENT, BLOCK 1: STILT + 11 UPPER FLOORS WITH 143 DWELLING UNITS, BLOCK 2: STILT + 11 UPPER FLOORS BLOCK-3 (INCIDENTAL BLOCK) WITH TOTAL 288 DWELLING UNITS IN S.NOS. 387/1A1A1,388,389/2,390/1B OF PADAPPAL VILLAGE, KUNDURATHUR TALUK, KANCHIPURAM DISTRICT				
STRUCTURAL CONSULTANT: E. P. RAMANATHAN (Structural M.E., C.Engg., Registered Structural Engineer Grade-I (SE) DTCP Reg No. COLRGM/SEIGR-12019/07/022 S.S. Marians Apartment, No.5/13, Thambiah Road Extn, West Mambalam, Chennai-600 033.				



NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
3. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
4. CONCRETE MIX :-
FOR COLUMNS : M40.
(CEMENT CONTENT - 400 KG/M3)
• CONTRACTOR / CLIENT SHALL SEND US CUBE TEST RESULTS TO SUBSTANTIATE THE CONCRETE MIX GRADE.
• IF READY MIXED CONCRETE IS BEING USED, CLIENT/CONTRACTOR SHALL CAST CONCRETE CUBES INDEPENDENTLY AT SITE AND SEND CUBE RESULTS THUS OBTAINED TO US.
5. MAXIMUM WATER CEMENT RATIO :
FOR 1:2:4 - 0.50
FOR 1:1 1/2:3 - 0.45
6. REINFORCEMENT :
TOR STEEL FOR #8MM & ABOVE CONFORMING TO IS 1786 (LATEST REVISION)
7. CLEAR CONCRETE COVER TO MAIN BARS :
FOR COLUMNS : 40MM, FOR RC WALL : 25MM
FOR FOOTINGS&RAFT SLAB : 50MM, RAFT BEAM : 75MM
PLINTH BEAM : 25MM.
8. USE STONE AGGREGATES AND SAND CONFORMING TO IS 383 (LATEST REVISION)
STONE AGGREGATES SIZE - 20MM AND DOWN GRADE
9. USE GOOD WATER FOR CONCRETE MIXING AND CURING CONFORMING TO IS 456 (LATEST REVISION) Fe 500
10. USE ORDINARY PORTLAND CEMENT CONFORMING TO IS 8112 (LATEST REVISION) FOR 43 GRADE CEMENT & IS 12269 FOR 53 GRADE CEMENT.
11. S.B.C OF SOIL IS ASSUMED AS -40T/SQ.M
12. FOUNDATION IS DESIGNED FOR BASAMNET+STILT+11FLOOR
13. THE CENTERING AND SHUTTERING TO SUPPORT STRUCTURAL CONCRETE MUST BE SUFFICIENTLY STRONG AND RIGIDLY BRACED. HORIZONTAL TIES SHALL BE PROVIDED AT EVERY 1.5M HEIGHT.
14. THE STABILITY OF SUPPORTS AND STRENGTH OF THE CENTERING AND FORMWORK SHOULD BE ENSURED BY THE CONTRACTOR AND SITE ENGINEER BEFORE PLACING CONCRETE.

R1	-		
NO.	AMENDMENTS	BY	DATE
SCALE	1:100	DESIGN BY	-
JOB NO	001	DRAWN BY	-
DRG NO	S03	DATE	-

DRAWING TITLE:

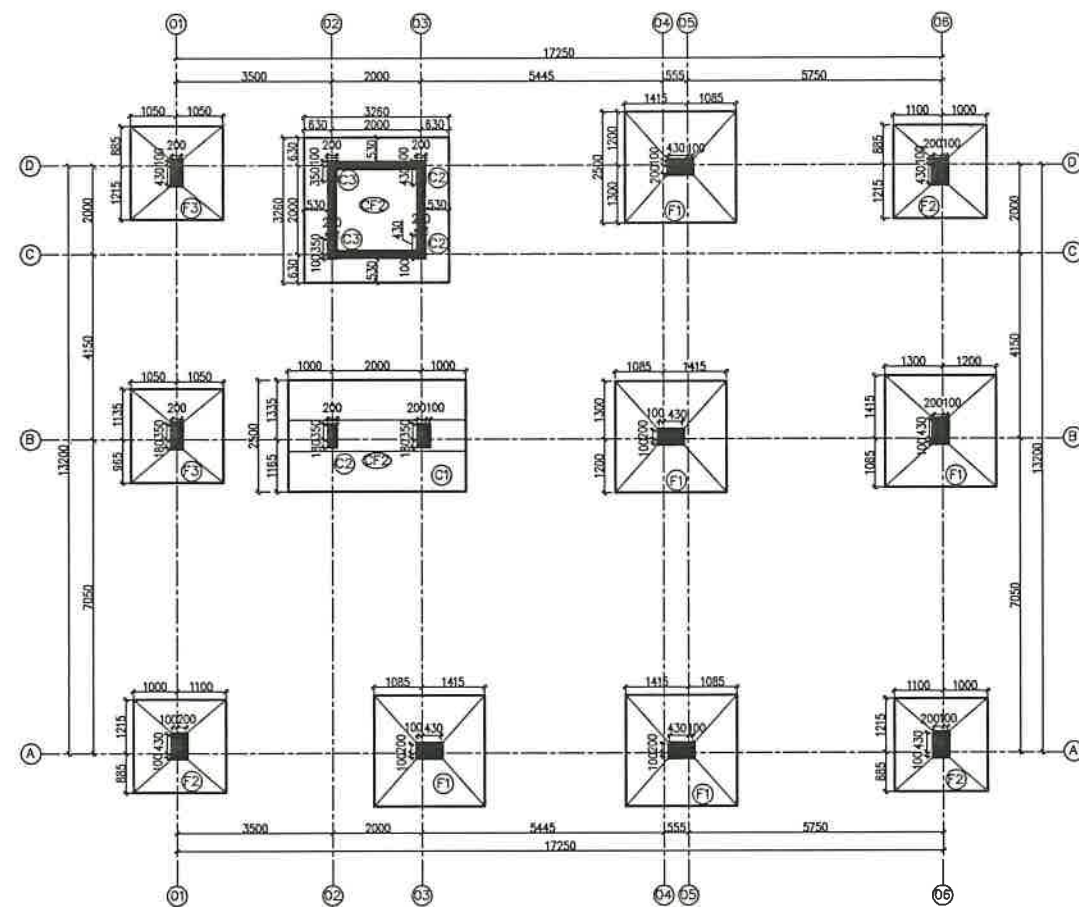
SLAB BEAM LAYOUT OVER BASEMENT.

PROJECT TITLE :

PROPOSED CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP DEVELOPMENT CONSISTS OF 3 BLOCKS WITH COMBINED BASEMENT, BLOCK 1: STILT + 11 UPPER FLOORS WITH 143 DWELLING UNITS, BLOCK 2: STILT + 11 UPPER FLOORS BLOCK-3 (INCIDENTAL BLOCK) WITH TOTAL 286 DWELLING UNITS IN S.NOS. 387/1A1A1,388,389/2,390/1B OF PADAPPAL VILLAGE, KUNDRATHUR TALUK, KANCHIPURAM DISTRICT

STRUCTURAL CONSULTANT

[Signature]
E. P. RAMAN, M.E (Civil), E (Struct), M.I.E., O.Engg.,
Registered Structural Engineer Grade-I (SE)
ETCP Reg No. CGLRGN/SE/GR-1019/07/022
S.S. Marudan Apartment,
No.51/3, Thambich Road, Edn.,
West Mambalam, Chennai-600 033.

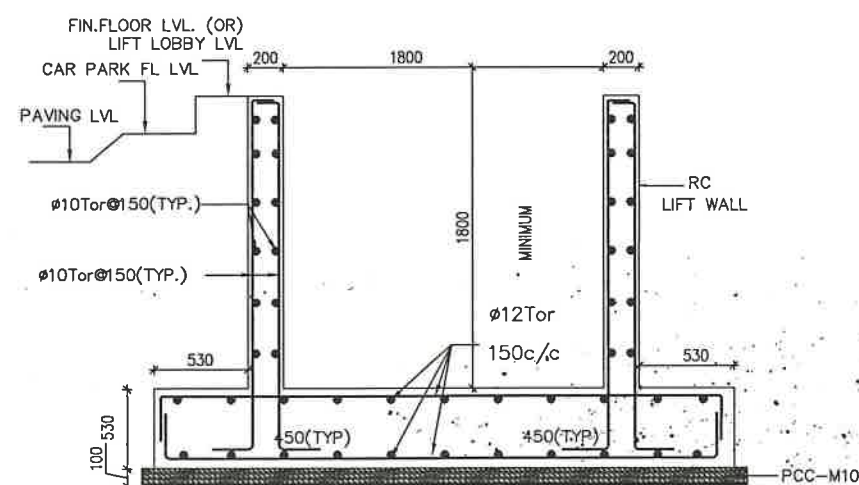


FOUNDATION LAYOUT (BLOCK-3)

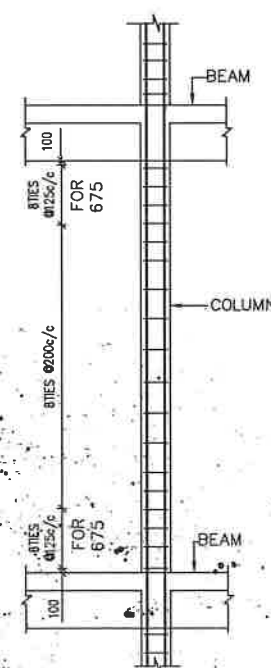
SCHEDULE OF FOOTING & COLUMNS (MIX: 40)

TYPE	FOOTING SIZE	DEPTH		FOOTING REINFORCEMENT		COLUMN REINFORCEMENT			
		h1	h2	L	B	STILT FLOOR	FIRST FLOOR	SECOND FLOOR	STIRRUPS
F1	2500X2500	9"	21"	Ø16Tor@150	Ø16Tor@150	12-Ø20 530	12-Ø20 530	12-Ø20 530	Ø8TOR
F2	2100X2100	9"	21"	Ø16Tor@150	Ø16Tor@150	12-Ø20 530	12-Ø20 530	12-Ø20 530	Ø8TOR
F3	2100X2100	9"	21"	Ø16Tor@150	Ø16Tor@150	10-Ø20 530	10-Ø20 530	10-Ø20 530	Ø8TOR
C1	COMBINED FOOTING					12-Ø20 530	12-Ø20 530	12-Ø20 530	Ø8TOR
C2						10-Ø20 530	10-Ø20 530	10-Ø20 530	Ø8TOR
C3						10-Ø20 450	8-Ø20+2-Ø16 450	8-Ø20+2-Ø16 450	Ø8TOR

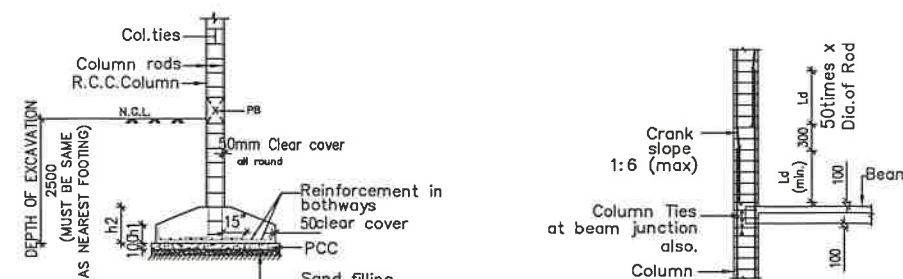
- NOTES :
- ALL DIMENSIONS ARE IN MILLIMETRES.
 - THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS
 - ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
 - CONCRETE MIX : -
FOR COLUMNS : M40.
(CEMENT CONTENT - 400 KG/M3)
CONTRACTOR / CLIENT SHALL SEND US CUBE TEST RESULTS TO SUBSTANTIATE THE CONCRETE MIX GRADE.
IF READY MIXED CONCRETE IS BEING USED, CLIENT/CONTRACTOR SHALL CAST CONCRETE CUBES INDEPENDENTLY AT SITE AND SEND CUBE RESULTS THUS OBTAINED TO US.
 - MAXIMUM WATER CEMENT RATIO :
FOR 1:2:4 - 0.50
FOR 1:1 1/2:3 - 0.45
 - REINFORCEMENT :
TOR STEEL FOR Ø8MM & ABOVE CONFORMING TO IS 1786 (LATEST REVISION)
 - CLEAR CONCRETE COVER TO MAIN BARS :
FOR COLUMNS : 40MM, FOR RC WALL : 25MM
FOR FOOTINGS&RAFT SLAB : 50MM, RAFT BEAM : 75MM
PLINTH BEAM : 25MM.
 - USE STONE AGGREGATES AND SAND CONFORMING TO IS 383 (LATEST REVISION)
STONE AGGREGATES SIZE - 20MM AND DOWN GRADE CONFORMING TO IS 456 (LATEST REVISION)
 - USE GOOD WATER FOR CONCRETE MIXING AND CURING CONFORMING TO IS 456 (LATEST REVISION)
 - USE ORDINARY PORTLAND CEMENT CONFORMING TO IS 8112 (LATEST REVISION) FOR 43 GRADE CEMENT & IS 12269 FOR 53 GRADE CEMENT.
 - S.B.C OF SOIL IS ASSUMED AS - 40T/SQ.M
 - FOUNDATION IS DESIGNED FOR STILT+2FLOOR
 - THE CENTERING AND SHUTTERING TO SUPPORT STRUCTURAL CONCRETE MUST BE SUFFICIENTLY STRONG AND RIGIDLY BRACED.HORIZONTAL TIES SHALL BE PROVIDED AT EVERY 1.5M HEIGHT.
 - THE STABILITY OF SUPPORTS AND STRENGTH OF THE CENTERING AND FORMWORK SHOULD BE ENSURED BY THE CONTRACTOR AND SITE ENGINEER BEFORE PLACING CONCRETE.



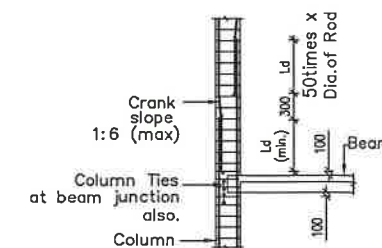
TYPICAL DETAILS OF LIFT PIT
COMBINED FOOTING (CF2)



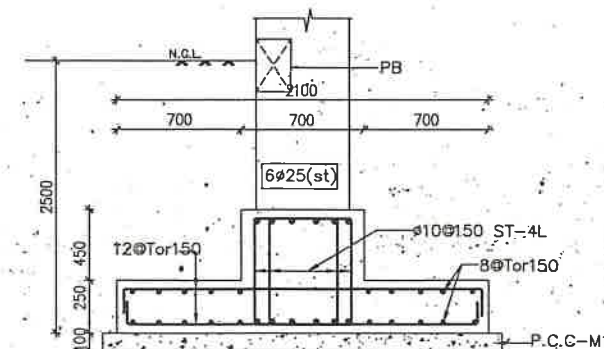
TYPICAL TIES ARRANGEMENT
IN COLUMN



VERTICAL SECTION THROUGH
COLUMN FOOTING FOR TAPPER



SPlice WITH UPPER BARS
CRANKED INTO POSITION
INSIDE LOWER BARS



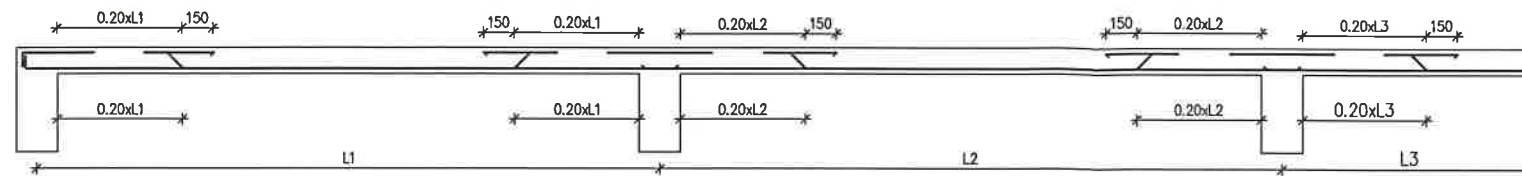
C.S OF COMBINED FOOTING-CF1

NO.	AMENDMENTS	BY	DATE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

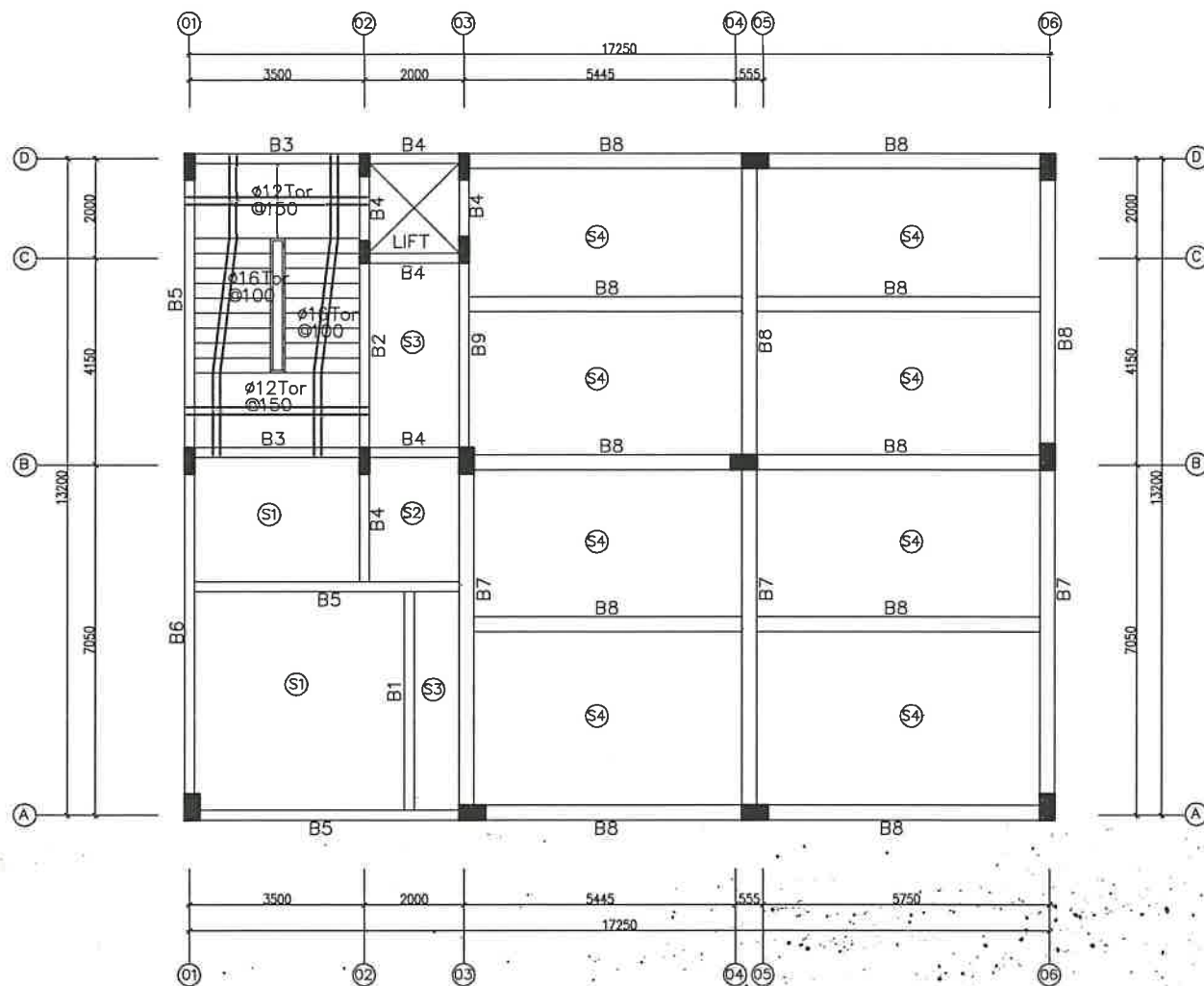
DRAWING TITLE:
FOUNDATION LAYOUT. (BLOCK-3)

PROJECT TITLE :
PROPOSED CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP DEVELOPMENT CONSISTS OF 3 BLOCKS WITH COMBINED BASEMENT, BLOCK 1: STILT + 11 UPPER FLOORS WITH 143 DWELLING UNITS, BLOCK 2: STILT + 11 UPPER FLOORS, BLOCK-3 (INCIDENTAL BLOCK) WITH TOTAL 288 DWELLING UNITS IN S.NOS. 387/1A1A1,388,389/2,390/1B OF PADAPPAL VILLAGE, KUNDRATHUR TALUK, KANCHIPURAM DISTRICT

STRUCTURAL CONSULTANT
Er. P. RAMAN, E.E.(Civil), M.E.(Struct), M.J.E., C.Engg.
Registered Structural Engineer Grade-I (SE)
DTCP Reg No: CULRCN/SE/GR-U/2019/07/022
S.S. Manian's Apartment,
No.5/13, Thambiah Road Extn,
West Mambalam, Chennai-600 033.

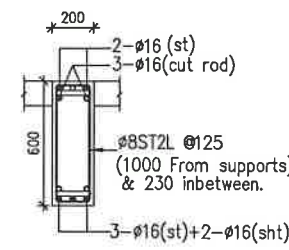


TYPICAL SLAB ROD BENDING DETAILS.

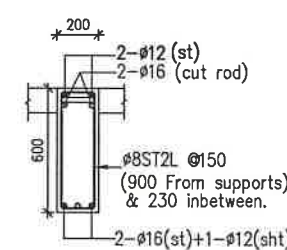


SLAB BEAM LAYOUT.(BLOCK-3)

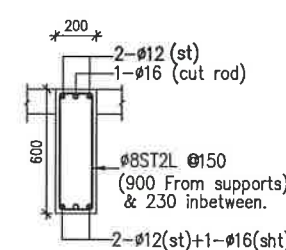
(ALL SLAB THICKNESS IS-150MM, UNLESS SPECIFIED.)



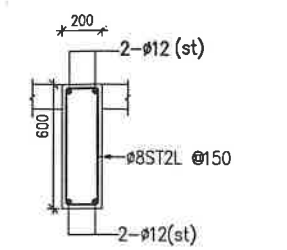
C.S OF B1



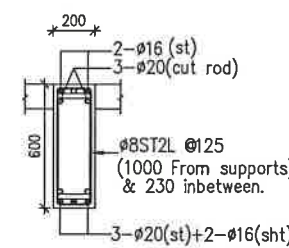
C.S OF B2



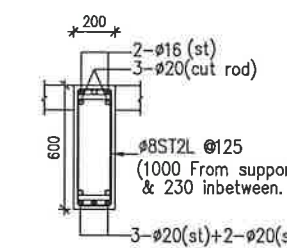
C.S OF B3



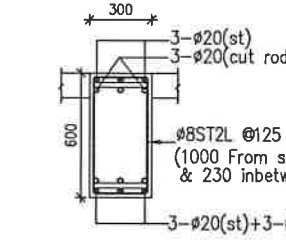
C.S OF B4



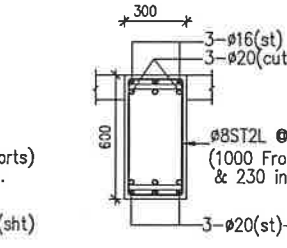
C.S OF B5



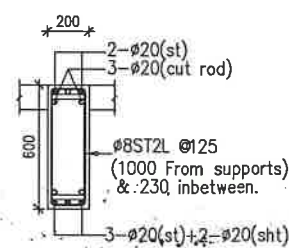
C.S OF B6



C.S OF B7



C.S OF B8



C.S OF B9

S.NO	SHORT SPAN	LONG SPAN	SLAB THICKNESS	REMARKS
S1	Ø10Tor@125	Ø10Tor@150	150MM	TWAY SLAB
S2	Ø10Tor@150	Ø8Tor@150	150MM	TWAY SLAB
S3	Ø10Tor@150	Ø8Tor@150	150MM	ONEWAY SLAB
S4	Ø10Tor@150	Ø10Tor@150	150MM	DOUBLEMAT

- NOTES :
- ALL DIMENSIONS ARE IN MILLIMETRES.
 - THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS
 - ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE EXECUTION OF WORKS.
 - CONCRETE MIX :-
FOR COLUMNS : M40.
(CEMENT CONTENT - 400 KG/M3)
* CONTRACTOR / CLIENT SHALL SEND US CUBE TEST RESULTS TO SUBSTANTIATE THE CONCRETE MIX GRADE.
* IF READY MIXED CONCRETE IS BEING USED, CLIENT/CONTRACTOR SHALL CAST CONCRETE CUBES INDEPENDENTLY AT SITE AND SEND CUBE RESULTS THUS OBTAINED TO US.
 - MAXIMUM WATER CEMENT RATIO :
FOR 1:2:4 - 0.50
FOR 1:1 1/2:3 - 0.45
 - REINFORCEMENT :
TOR STEEL FOR Ø8MM & ABOVE CONFORMING TO IS 1786 (LATEST REVISION)
 - CLEAR CONCRETE COVER TO MAIN BARS :
FOR COLUMNS : 40MM, FOR RC WALL : 25MM
FOR FOOTINGS/RAFT SLAB : 50MM, RAFT BEAM : 75MM
PLINTH BEAM : 25MM.
 - USE STONE AGGREGATES AND SAND CONFORMING TO IS 383 (LATEST REVISION)
STONE AGGREGATES SIZE - 20MM AND DOWN GRADE CONFORMING TO IS 456 (LATEST REVISION)
 - USE GOOD WATER FOR CONCRETE MIXING AND CURING
 - USE ORDINARY PORTLAND CEMENT CONFORMING TO IS 8112 (LATEST REVISION) FOR 43 GRADE CEMENT & IS 12269 FOR 53 GRADE CEMENT.
 - S.B.C OF SOIL IS ASSUMED AS - 40T/SQ.M
 - FOUNDATION IS DESIGNED FOR STILT+2FLOOR
 - THE CENTERING AND SHUTTERING TO SUPPORT STRUCTURAL CONCRETE MUST BE SUFFICIENTLY STRONG AND RIGIDLY BRACED.HORIZONTAL TIES SHALL BE PROVIDED AT EVERY 1.5M HEIGHT.
 - THE STABILITY OF SUPPORTS AND STRENGTH OF THE CENTERING AND FORMWORK SHOULD BE ENSURED BY THE CONTRACTOR AND SITE ENGINEER BEFORE PLACING CONCRETE.

R1	-		
NO.	AMENDMENTS	BY	DATE
SCALE	1:100	DESIGN BY	-
JOB NO	001	DRAWN BY	-
DRG NO	S7	DATE	-

DRAWING TITLE:
SLAB BEAM LAYOUT.(BLOCK-3)

PROJECT TITLE :
PROPOSED CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP. DEVELOPMENT CONSISTS OF 3 BLOCKS WITH COMBINED BASEMENT. BLOCK 1: STILT + 11 UPPER FLOORS WITH 143 DWELLING UNITS. BLOCK 2: STILT + 11 UPPER FLOORS. BLOCK-3 (INCIDENTAL BLOCK) WITH TOTAL 286 DWELLING UNITS IN STNOS 387/1A1A1, 388/389/2, 390/1B OF PADAPPAL VILLAGE, KUNDRAHUR TALUK, KANCHIPURAM DISTRICT

STRUCTURAL CONSULTANT

Er. P. RAMANATHAN, M.Tech, M.I.E., C.Engg.
Registered Structural Engineer Grade-I (SE)
DTCP Reg No: CGLRG/SE/GR-1/2019/07/022
S.S. Manian's Apartment,
No.5/15, Thambiah Road East,
West Marambalam, Chennai-600 033.

Our services go beyond



Buying & Selling Services

Property Buying Assistance, Property Selling Support, Market Price Analysis, Owner Outreach and Negotiation.



Legal & Documentation Services

Certified EC, Patta, legal opinions, property verification, due diligence, litigation solutions, and legal heir certificates.



Property Development & Approvals

Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.



NRI & Investment Services

Escrow Services, Rentals, Litigation Solutions, Property Valuation and Property Management



Compliance & Special Services

Demolition, Vaasthu checks, regularization of unauthorized buildings, and office space solutions.

Smarter Tools, Stronger Decisions



Property Valuation & Cost Estimation

Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter



Ownership, Compliance & Legal Verification

Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer



Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator



Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary



Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstateTM

We're honored to be part of your
real estate journey

3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996
www.verified.realestate