

KULAKARNI CONSULTANTS
STRUCTURAL ENGINEERS, PROJECT CONSULTANTS & ARCHITECTS

STRUCTURAL STABILITY CERTIFICATE

This is to certify that the structural designs/drawings of the residential bungalows in the proposed gated community group housing lay-out in Sy. Nos. 75, 77, 78, 79, 96 & 100/2 situated at Rampally Village, Keesara Revenue Mandal, Ranga Reddy District belonging to **M/s. MODI AND MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES** having its registered office at 5-4-187/3&4, II Floor, Soham Mansion, M.G.Road, Secunderabad – 500 003 are done by us. We are the structural consultants for the above said bungalows in the proposed gated community group housing lay-out.

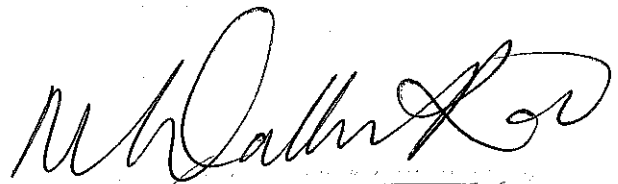
The designs and drawings of RCC framed structure pertaining to the proposed bungalows shall confirm to the National Building Code of India relevant I.S Code's of practice for design and construction.

Place: Hyderabad.

Date: 12th February 2015.

M. DATTATRI RAO
STRUCTURAL ENGINEER
GHMC Ls. No.: 134

DESIGN REPORT



M. DATTATRAYA RAO
STRUCTURAL ENGINEER
GHMC L.S. No.: 134

PROPOSED GROUP HOUSING SCHEME IN
SY.NOS.75,77,78,79,96 &100/2 OF
RAMPALLY VILLAGE, KEESARA MANDAL,
HYDERABAD, RANGA REDDY DISRTICT.

BELONGING TO
M/s Modi & Modi Constructions &
M/s Nilgiri estates


M. DATTATRI RAO
STRUCTURAL ENGINEER
GHMC Ls. No.: 134

stadd input

STAAD SPACE DXF IMPORT OF club.DXF

START JOB INFORMATION

ENGINEER DATE 13-Nov-13

END JOB INFORMATION

INPUT WIDTH 79

UNIT METER KN

JOINT COORDINATES


1 17.5386 0 -4.21205; 2 11.1453 0 -6.38696; 5 4.97812 0 -8.48492;
7 6.97772 0 -14.7827; 8 13.1852 0 -12.8118; 9 19.6203 0 -10.7686;
10 14.5345 0 -17.0584; 11 20.9156 0 -14.848; 12 8.32084 0 -19.0129;
13 10.524 0 -25.9518; 14 14.5345 0 -25.9518; 15 14.5345 0 -28.246;
16 20.9156 0 -28.246; 17 20.9156 0 -24.1871; 18 16.5645 0 -24.1871;
19 14.5345 0 -24.1871; 20 14.5345 0 -22.1571; 21 16.5645 0 -22.1571;
22 20.9156 0 -22.1571; 23 9.1225 0 -21.5378; 25 4.94942 0 -22.3243;
26 5.12098 0 -23.1622; 27 5.60807 0 -23.8653; 28 6.33229 0 -24.3204;
29 7.08146 0 -24.4563; 30 8.00648 0 -24.2452; 31 8.68701 0 -23.7271;
32 9.10914 0 -22.9832; 33 5.13767 0 -21.4483; 34 5.66917 0 -20.7271;
35 6.45008 0 -20.2879; 36 7.34248 0 -20.2083; 37 8.18879 0 -20.5023;
38 8.83955 0 -21.1181; 39 9.28309 0 -22.0435; 41 4.97812 -1.5 -8.48492;
43 4.97812 2.95 -8.48492; 45 4.97812 5.9 -8.48492; 47 4.97812 8.85 -8.48492;
49 4.97812 11.8 -8.48492; 51 4.97812 14.75 -8.48492; 52 11.1453 -1.5 -6.38696;
53 11.1453 2.95 -6.38696; 54 11.1453 5.9 -6.38696; 55 11.1453 8.85 -6.38696;
56 11.1453 11.8 -6.38696; 57 11.1453 14.75 -6.38696; 58 17.5386 -1.5 -4.21205;
59 17.5386 2.95 -4.21205; 60 17.5386 5.9 -4.21205; 61 17.5386 8.85 -4.21205;
62 17.5386 11.8 -4.21205; 63 17.5386 14.75 -4.21205; 64 6.97772 -1.5 -14.7827;
65 6.97772 2.95 -14.7827; 66 6.97772 5.9 -14.7827; 67 6.97772 8.85 -14.7827;
68 6.97772 11.8 -14.7827; 69 6.97772 14.75 -14.7827; 70 13.1852 -1.5 -12.8118;
71 13.1852 2.95 -12.8118; 72 13.1852 5.9 -12.8118; 73 13.1852 8.85 -12.8118;
74 13.1852 11.8 -12.8118; 75 13.1852 14.75 -12.8118; 76 19.6203 -1.5 -10.7686;
77 19.6203 2.95 -10.7686; 78 19.6203 5.9 -10.7686; 79 19.6203 8.85 -10.7686;
80 19.6203 11.8 -10.7686; 81 19.6203 14.75 -10.7686; 82 8.32084 -1.5 -19.0129;
83 8.32084 2.95 -19.0129; 84 8.32084 5.9 -19.0129; 85 8.32084 8.85 -19.0129;
86 8.32084 11.8 -19.0129; 87 8.32084 14.75 -19.0129; 88 14.5345 -1.5 -17.0584;
89 14.5345 2.95 -17.0584; 90 14.5345 5.9 -17.0584; 91 14.5345 8.85 -17.0584;
92 14.5345 11.8 -17.0584; 93 14.5345 14.75 -17.0584; 94 20.9156 -1.5 -14.848;
95 20.9156 2.95 -14.848; 96 20.9156 5.9 -14.848; 97 20.9156 8.85 -14.848;
98 20.9156 11.8 -14.848; 99 20.9156 14.75 -14.848; 100 14.5345 -1.5 -22.1571;
101 14.5345 2.95 -22.1571; 102 14.5345 5.9 -22.1571; 103 14.5345 8.85 -22.1571;
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106 16.5645 -1.5 -22.1571; 107 16.5645 2.95 -22.1571; 108 16.5645 5.9 -22.1571;
109 16.5645 8.85 -22.1571; 110 16.5645 11.8 -22.1571;
111 16.5645 14.75 -22.1571; 112 20.9156 -1.5 -22.1571;
113 20.9156 2.95 -22.1571; 114 20.9156 5.9 -22.1571; 115 20.9156 8.85 -22.1571;
116 20.9156 11.8 -22.1571; 117 20.9156 14.75 -22.1571;
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121 14.5345 8.85 -24.1871; 122 14.5345 11.8 -24.1871;
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125 16.5645 2.95 -24.1871; 126 16.5645 5.9 -24.1871; 127 16.5645 8.85 -24.1871;
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133 10.524 8.85 -25.9518; 134 10.524 11.8 -25.9518; 135 10.524 14.75 -25.9518;
136 14.5345 -1.5 -28.246; 137 14.5345 2.95 -28.246; 138 14.5345 5.9 -28.246;


M. D. S. RAO
STRUCTURAL ENGINEER
GHMC Ls. No.: 134

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139 14.5345 8.85 -28.246; 140 14.5345 11.8 -28.246; 141 14.5345 14.75 -28.246;
142 20.9156 -1.5 -28.246; 143 20.9156 2.95 -28.246; 144 20.9156 5.9 -28.246;
145 20.9156 8.85 -28.246; 146 20.9156 11.8 -28.246; 147 20.9156 14.75 -28.246;
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159 8.18879 14.75 -20.5023; 160 9.10914 -1.5 -22.9832;
161 9.10914 2.95 -22.9832; 162 9.10914 5.9 -22.9832; 163 9.10914 8.85 -22.9832;
164 9.10914 11.8 -22.9832; 165 9.10914 14.75 -22.9832;
166 5.12098 -1.5 -23.1622; 167 5.12098 2.95 -23.1622; 168 5.12098 5.9 -23.1622;
169 5.12098 8.85 -23.1622; 170 5.12098 11.8 -23.1622;
171 5.12098 14.75 -23.1622; 172 18.5677 2.95 -7.45331;
173 12.1744 2.95 -9.62822; 174 6.00724 2.95 -11.7262; 175 9.1225 2.95 -21.5378;
176 14.5345 2.95 -25.9518; 177 20.9156 2.95 -24.1871;
178 14.5345 2.95 -19.6967; 179 4.94942 2.95 -22.3243;
180 5.60807 2.95 -23.8653; 181 6.33229 2.95 -24.3204;
182 7.08146 2.95 -24.4563; 183 8.00648 2.95 -24.2452;
184 8.68701 2.95 -23.7271; 185 5.13767 2.95 -21.4483;
186 5.66917 2.95 -20.7271; 187 6.45008 2.95 -20.2879;
188 7.34248 2.95 -20.2083; 189 8.83955 2.95 -21.1181;
190 9.28309 2.95 -22.0435; 191 18.5677 5.9 -7.45331; 192 12.1744 5.9 -9.62822;
193 6.00724 5.9 -11.7262; 194 9.1225 5.9 -21.5378; 195 14.5345 5.9 -25.9518;
196 20.9156 5.9 -24.1871; 197 14.5345 5.9 -19.6967; 198 4.94942 5.9 -22.3243;
199 5.60807 5.9 -23.8653; 200 6.33229 5.9 -24.3204; 201 7.08146 5.9 -24.4563;
202 8.00648 5.9 -24.2452; 203 8.68701 5.9 -23.7271; 204 5.13767 5.9 -21.4483;
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263 6.45008 14.75 -20.2879; 264 7.34248 14.75 -20.2083;

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265 8.83955 14.75 -21.1181; 266 9.28309 14.75 -22.0435;
267 4.94942 17.25 -22.3243; 268 5.12098 17.25 -23.1622;
269 5.60807 17.25 -23.8653; 270 6.33229 17.25 -24.3204;
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MEMBER INCIDENCES

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238 192 193; 239 45 193; 240 66 72; 241 72 192; 242 72 78; 243 90 96;
244 78 191; 245 66 84; 246 78 96; 247 84 194; 248 132 195; 249 138 144;

M. DATTATRI RAO
STRUCTURAL ENGINEER
134


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250 144 196; 251 196 126; 252 126 120; 253 120 195; 254 120 102; 255 102 108;
256 108 126; 257 108 114; 258 196 114; 259 114 96; 260 102 197; 261 72 90;
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372 241 164; 373 236 242; 374 242 243; 375 243 244; 376 244 245; 377 245 158;
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402 141 147; 403 147 253; 404 253 129; 405 129 123; 406 123 252; 407 123 105;
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414 75 93; 415 93 87; 416 251 254; 417 255 171; 418 171 256; 419 256 257;
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426 262 263; 427 263 264; 428 264 159; 429 159 265; 430 265 251; 431 165 266;
432 250 69; 433 249 57; 434 248 63; 435 266 135; 436 251 266; 437 252 141;
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474 291 22; 475 291 296; 476 293 21; 477 293 297; 478 296 298; 479 296 297;
481 298 11; 482 297 300; 483 300 298; 484 301 302; 485 286 302; 486 283 301;
487 303 304; 488 287 303; 489 290 304;

DEFINE MATERIAL START

ISOTROPIC CONCRETE

E 2.17185e+007

POISSON 0.17

DENSITY 23.5616

ALPHA 1e-005

DAMP 0.05

END DEFINE MATERIAL

MEMBER PROPERTY AMERICAN

58 TO 63 70 TO 81 88 TO 99 106 TO 111 124 TO 129 142 TO 159 PRIS YD 0.6 ZD 0.23

166 TO 183 455 TO 457 PRIS YD 0.3

MEMBER PROPERTY AMERICAN

M. DATTA
M. DATTA
STRUCTURAL ENGINEER
GHMC LS. No. 134


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184 TO 199 202 206 TO 212 228 TO 250 253 257 TO 263 279 TO 301 304 -
308 TO 314 330 TO 352 355 359 TO 365 381 TO 403 406 410 TO 416 432 TO 438 -
454 PRIS YD 0.6 ZD 0.23
200 201 203 TO 205 213 TO 225 227 251 252 254 TO 256 264 TO 278 302 303 305 -
306 TO 307 315 TO 329 353 354 356 TO 358 366 TO 380 404 405 407 TO 409 417 -
418 TO 431 439 TO 453 458 TO 465 484 TO 489 PRIS YD 0.525 ZD 0.23
1 3 5 TO 28 30 TO 44 50 226 474 TO 479 481 TO 483 PRIS YD 0.45 ZD 0.23
UNIT MMS NEWTON
MEMBER PROPERTY AMERICAN
112 TO 123 130 TO 141 466 TO 473 PRIS YD 450 ZD 230
64 TO 69 82 TO 87 100 TO 105 PRIS YD 600 ZD 375
UNIT METER KN
CONSTANTS
BETA 19 MEMB 64 TO 69
BETA 90 MEMB 124 TO 135 466 467
BETA 288 MEMB 58 TO 63 70 TO 111 142 TO 147
MATERIAL CONCRETE ALL
SUPPORTS
41 52 58 64 70 76 82 88 94 100 106 112 118 124 130 136 142 154 160 166 FIXED
DEFINE WIND LOAD
TYPE 1
INT 1.09 1.09 1.09 1.09 1.09 HEIG 2.95 5.9 8.85 11.8 14.75
DEFINE 1893 LOAD
ZONE 0.1 RF 3 I 1 SS 1 ST 1 DM 0.05 DT 1.5
SELFWEIGHT 1
MEMBER WEIGHT
1 3 5 10 TO 16 18 TO 25 30 TO 44 50 184 186 188 193 TO 195 197 TO 199 201 -
202 TO 208 213 TO 227 231 TO 233 235 237 239 244 TO 246 248 TO 250 -
252 TO 259 264 TO 278 282 TO 284 286 288 290 295 TO 297 299 TO 301 -
303 TO 310 315 TO 329 333 TO 335 337 339 341 346 TO 348 350 TO 352 -
354 TO 361 366 TO 380 384 TO 386 405 407 TO 409 417 TO 428 476 UNI 12
6 TO 8 17 26 TO 28 185 187 189 191 192 200 210 TO 212 229 234 236 238 240 -
242 243 251 261 TO 263 280 285 287 289 291 293 294 302 312 TO 314 331 336 -
338 340 342 344 345 353 363 TO 365 382 387 475 477 TO 479 482 483 UNI 6
388 390 392 397 TO 403 411 412 432 434 435 437 439 TO 454 462 TO 465 -
487 TO 489 UNI 2.5
FLOOR WEIGHT
YRANGE 2.95 19.75 FLOAD 5 GY
YRANGE 2.95 17.25 FLOAD 2 GY
LOAD 1 LOADTYPE None TITLE LOAD CASE 1
1893 LOAD X 1
LOAD 2 LOADTYPE None TITLE LOAD CASE 2
1893 LOAD X -1
LOAD 3 LOADTYPE None TITLE LOAD CASE 3
1893 LOAD Z 1
LOAD 4 LOADTYPE None TITLE LOAD CASE 4
1893 LOAD Z -1
LOAD 5 LOADTYPE None TITLE LOAD CASE 5
FLOOR LOAD
YRANGE 2.95 19.75 FLOAD -5 GY
SELFWEIGHT Y -1 LIST 1 3 5 TO 28 30 TO 44 50 58 TO 159 166 TO 479 481 TO 489
MEMBER LOAD

M. PATTABIRAO
STRUCTURAL ENGINEER
14/11/2014

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1 3 5 10 TO 16 18 TO 25 30 TO 44 50 184 186 188 193 TO 195 197 TO 199 201 -
202 TO 208 213 TO 227 231 TO 233 235 237 239 244 TO 246 248 TO 250 -
252 TO 259 264 TO 278 282 TO 284 286 288 290 295 TO 297 299 TO 301 -
303 TO 310 315 TO 329 333 TO 335 337 339 341 346 TO 348 350 TO 352 -
354 TO 361 366 TO 380 384 TO 386 405 407 TO 409 417 TO 428 476 UNI GY -12
6 TO 8 17 26 TO 28 185 187 189 191 192 200 210 TO 212 229 234 236 238 240 -
242 243 251 261 TO 263 280 285 287 289 291 293 294 302 312 TO 314 331 336 -
338 340 342 344 345 353 363 TO 365 382 387 475 477 TO 479 482 -
483 UNI GY -6
388 390 392 397 TO 403 411 412 432 434 435 437 439 TO 454 462 TO 465 -
487 TO 489 UNI GY -2.5
LOAD 6 LOADTYPE None TITLE LOAD CASE 6
FLOOR LOAD
YRANGE 2.95 14.75 FLOAD -4 GY
YRANGE 17.25 17.25 FLOAD -2 GY
LOAD 7 LOADTYPE None TITLE LOAD CASE 7
WIND LOAD X 1 TYPE 1 YR 2.95 14.75
LOAD 8 LOADTYPE None TITLE LOAD CASE 8
WIND LOAD X -1 TYPE 1 YR 2.95 14.75
LOAD 9 LOADTYPE None TITLE LOAD CASE 9
WIND LOAD Z 1 TYPE 1 YR 2.95 14.75
LOAD 10 LOADTYPE None TITLE LOAD CASE 10
WIND LOAD Z -1 TYPE 1 YR 2.95 14.75
LOAD COMBINATION 11
5 1.5 6 1.5
LOAD COMBINATION 12
5 1.2 6 1.2 1 1.2
LOAD COMBINATION 13
5 1.2 6 1.2 2 1.2
LOAD COMBINATION 14
5 1.2 6 1.2 3 1.2
LOAD COMBINATION 15
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LOAD COMBINATION 16
5 1.2 6 1.2 7 1.2
LOAD COMBINATION 17
5 1.2 6 1.2 8 1.2
LOAD COMBINATION 18
5 1.2 6 1.2 9 1.2
LOAD COMBINATION 19
5 1.2 6 1.2 10 1.2
LOAD COMBINATION 20
5 1.5 1 1.5
LOAD COMBINATION 21
5 1.5 2 1.5
LOAD COMBINATION 22
5 1.5 3 1.5
LOAD COMBINATION 23
5 1.5 4 1.5
LOAD COMBINATION 24
5 1.5 7 1.5
LOAD COMBINATION 25


M. DATTATRAYA
STRUCTURAL ENGINEER
SHIMC LS. No. 134

stadd input

5 1.5 8 1.5
LOAD COMBINATION 26
5 1.5 9 1.5
LOAD COMBINATION 27
5 1.5 10 1.5
LOAD COMBINATION 28
5 0.9 1 1.5
LOAD COMBINATION 29
5 0.9 2 1.5
LOAD COMBINATION 30
5 0.9 3 1.5
LOAD COMBINATION 31
5 0.9 4 1.5
LOAD COMBINATION 32
5 0.9 7 1.5
LOAD COMBINATION 33
5 0.9 8 1.5
LOAD COMBINATION 34
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LOAD COMBINATION 35
5 0.9 10 1.5
PERFORM ANALYSIS
PRINT ANALYSIS REPORT
FINISH



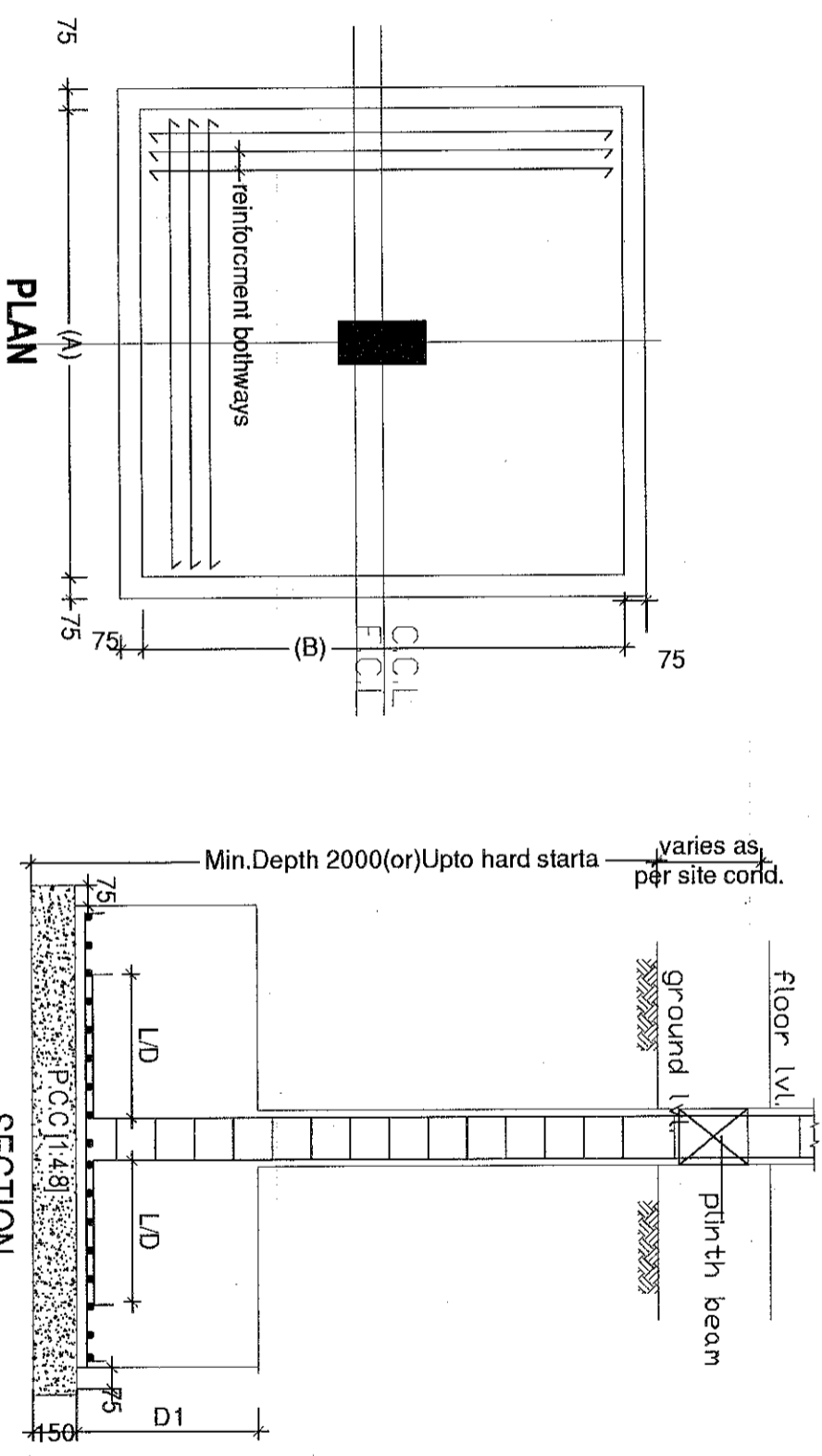
M. DATTATRI RAO
STRUCTURAL ENGINEER
GHMC Ls. No.: 134

COLUMN SECTION DETAILS

TYPE	MIX	COLUMN SIZE	SECTION	REINFORCEMENT
C1	M25	375x600		#14nos-25Ø 8Ø@200 c/c 4-ties
C2	M25	230x600		#14nos-20Ø 8Ø@200 c/c 4-ties
C3	M25	230x450		#10nos-20Ø 8Ø@200 c/c 2-ties
C4	M25	300 DIA		#8nos-20Ø 8Ø@200 c/c

FOOTING DETAILS

Sno	FOOT SIZE	A	B	D1	REINFORCEMENT
1	F 1	3100	3100	750	16Ø@175c/c bothways
2	F 2	2850	2850	750	12Ø@125c/c bothways
3	F 3	2400	2400	600	12Ø@125c/c bothways
4	F 4	2100	2100	600	12Ø@150c/c bothways
5	F 5	1600	1600	450	12Ø@175c/c bothways
6	CF1	3160	3230	600	12Ø@125c/c bothways



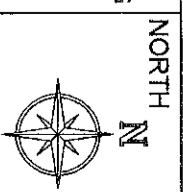
GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
2. USE FE 500 GRADE FOR STEEL.
3. FOOTING IS DESIGN FOR GROUND + FOUR UPPER floors.
4. S.B.C OF the soil is taken as per soil report 300 ton/m².
5. USE FE 500 GRADE FOR STEEL.
6. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
7. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
8. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
9. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
10. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
11. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
12. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
13. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING CLUB HOUSE IN THE PROPOSED GROUP HOUSING SCHEME IN SY. NO. : 75, 77, 78, 79, 98 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST.

BELONGS TO :
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SOHAM MODI S/O SRI. SATISH MODI

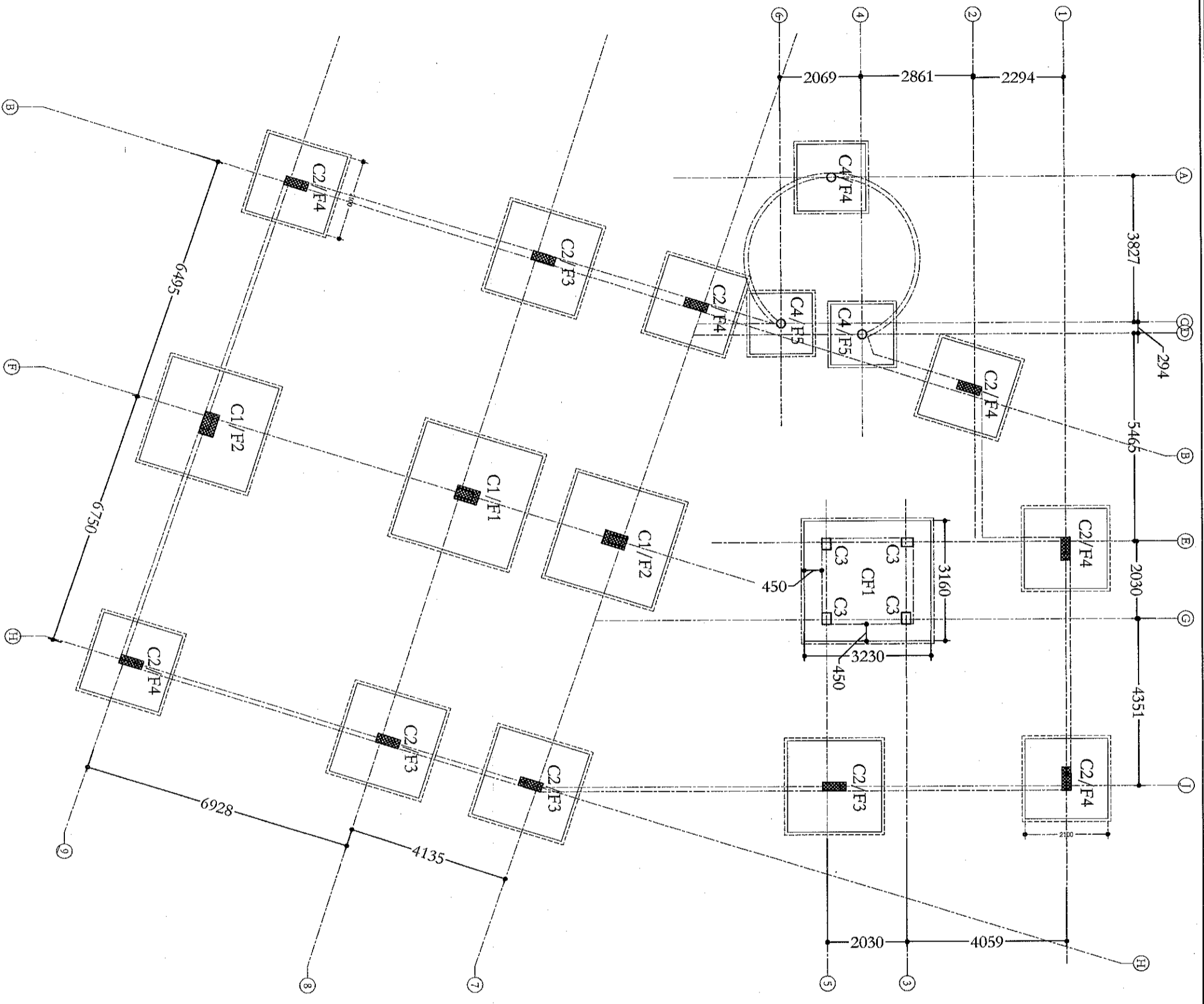
COLUMN & FOOTING SECTION DETAILS



Structural Engineer's Signature :

M. Dattatri Rao

M. Dattatri Rao
G.M. No. 434/RI RAO
STRUCTURAL ENGINEER
G.M. No. 434

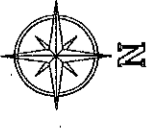


GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND + FOUR UPPER floors.
5. S.B.C OF the soil is taken as per soil report 300 kn/m²
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL. 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

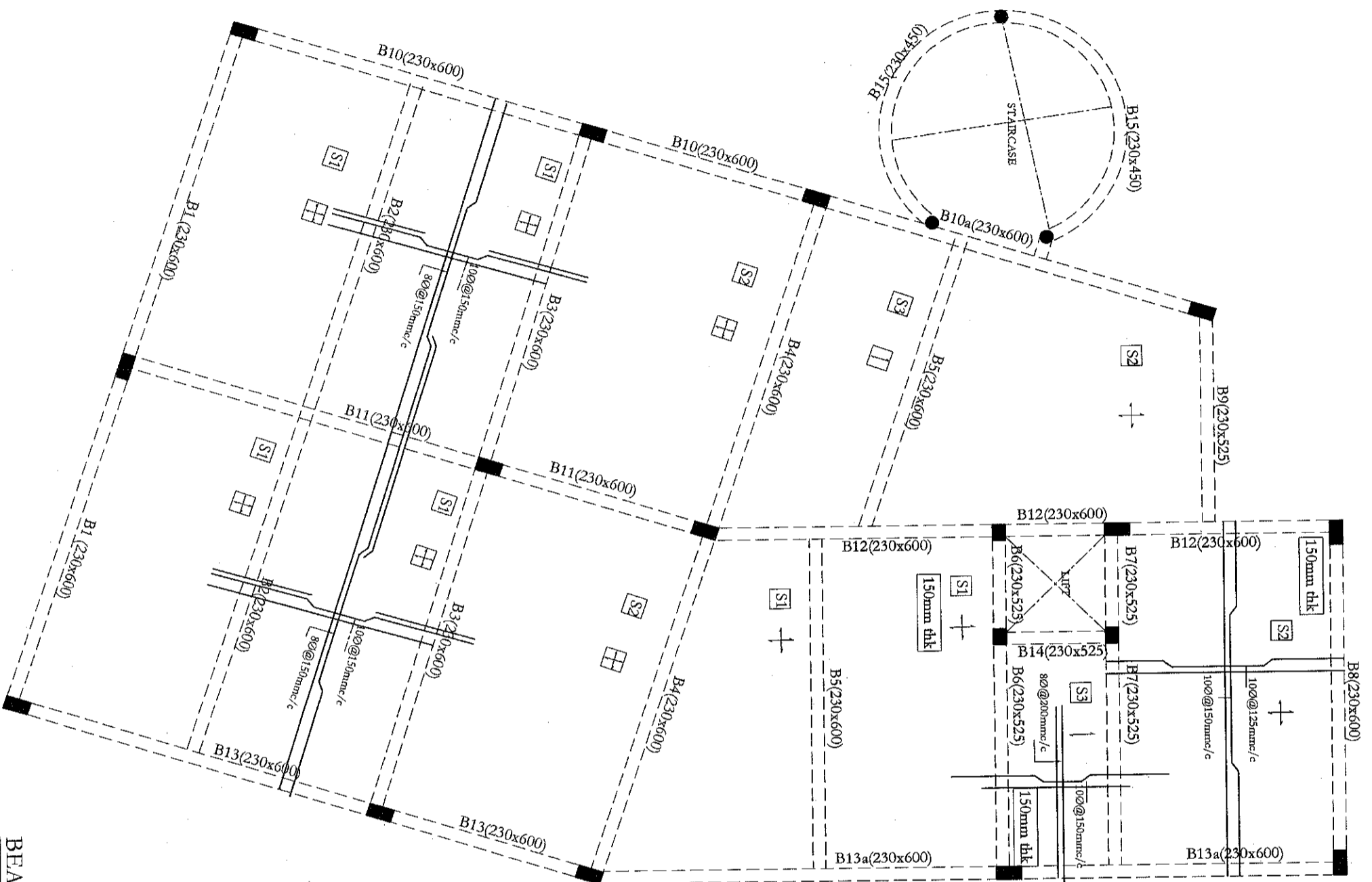
PLAN SHOWING CLUB HOUSE IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO. : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST. BELONGS TO :
 M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
 BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SOHAM MODI S/O SRI. SATISH MODI

CENTERLINE AND COLUMN FOOTING PLAN



Structural Engineer's Signature :

M. Dattatri Rao
 M. Dattatri Rao
 M. DATTATRI RAO
 STRUCTURAL ENGINEER
 GHM/CL.S. No.: 134



BEAM LAYOUT PLAN

GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE FOR STEEL.
4. FOOTING IS DESIGN FOR GROUND + FOUR UPPER floors.
5. S.B.C OF the soil is taken as per soil report 300 kN/m²sq
6. USE FE 500 GRADE FOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

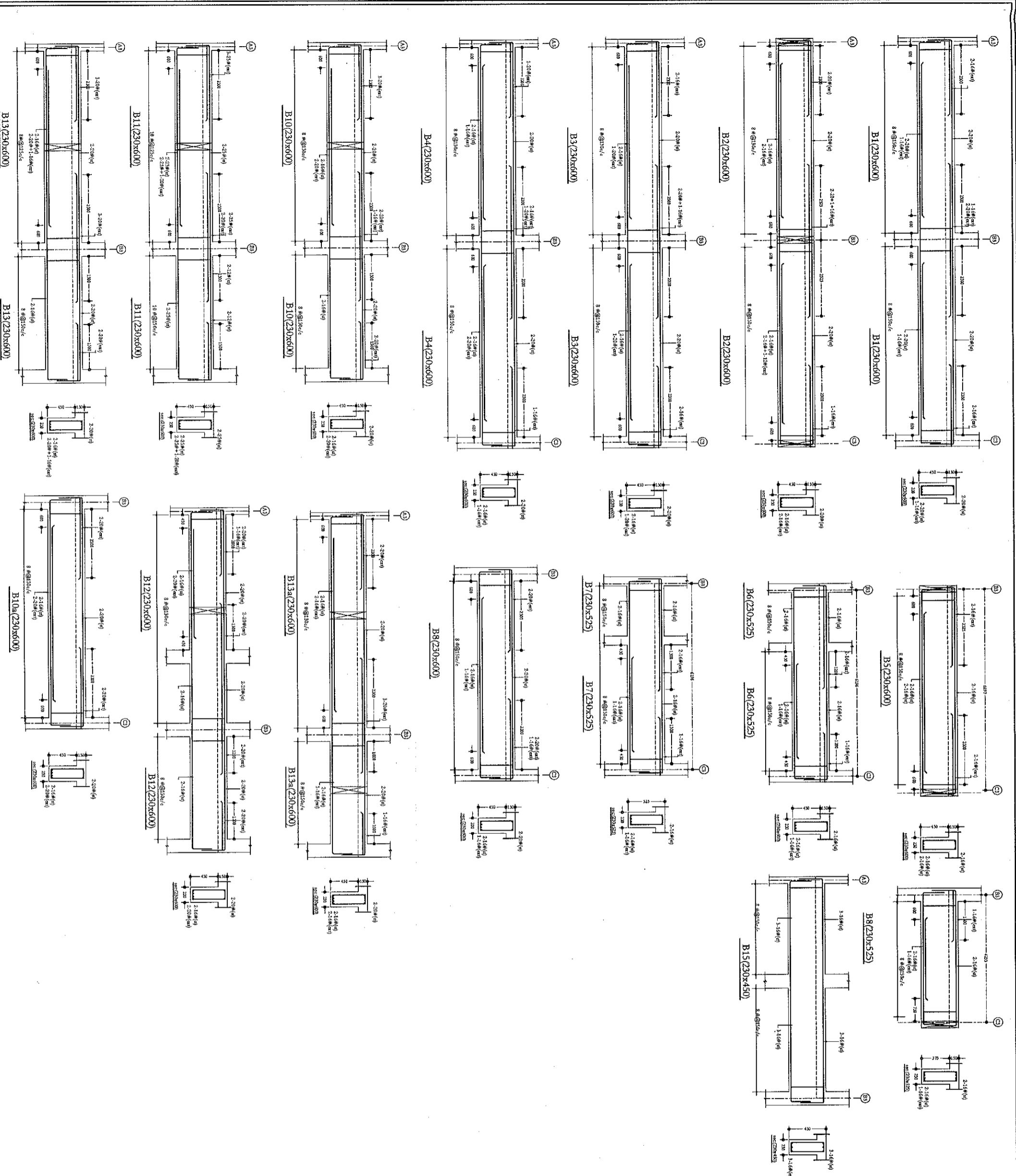
PLAN SHOWING CLUB HOUSE IN THE PROPOSED GROUP HOUSING SCHEME IN SY. NO. : 75.77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST.

BELONGS TO :
 M/s. MODI & MODI CONSTRUCTIONS &
 M/s. NILGIRI ESTATES.
 BOTH REPRESENTED BY ITS MANAGING PARTNER :
 SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPICAL SLAB DETAILS

Structural Engineer's Signature :

M. Dattatri Rao
 CHMILCENSED CIVIL ENGINEER
 CHM/CL. NO. 134



- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS.
 2. BEAMS & SLABS: (RATIO AS PER DESIGN MIX).
 3. USE FE 500 GRADE FOR STEEL.
 4. FOOTING IS DESIGN FOR GROUND + FOUR UPPER floors.
 5. S.B.C OF the soil is taken as per soil report 300 kN/m².
 6. USE FE 500 GRADE FOR STEEL.
 7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
 8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
 9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
 10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
 11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
 12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
 13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART -3.
 14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING CLUB HOUSE IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 76,77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :

M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SOHAM MODI S/O SRI. SATISH MODI

CLUB HOUSE
TYPICAL BEAM
SECTION DETAILS

Structural Engineer's Signature :

M. Dattatri Rao

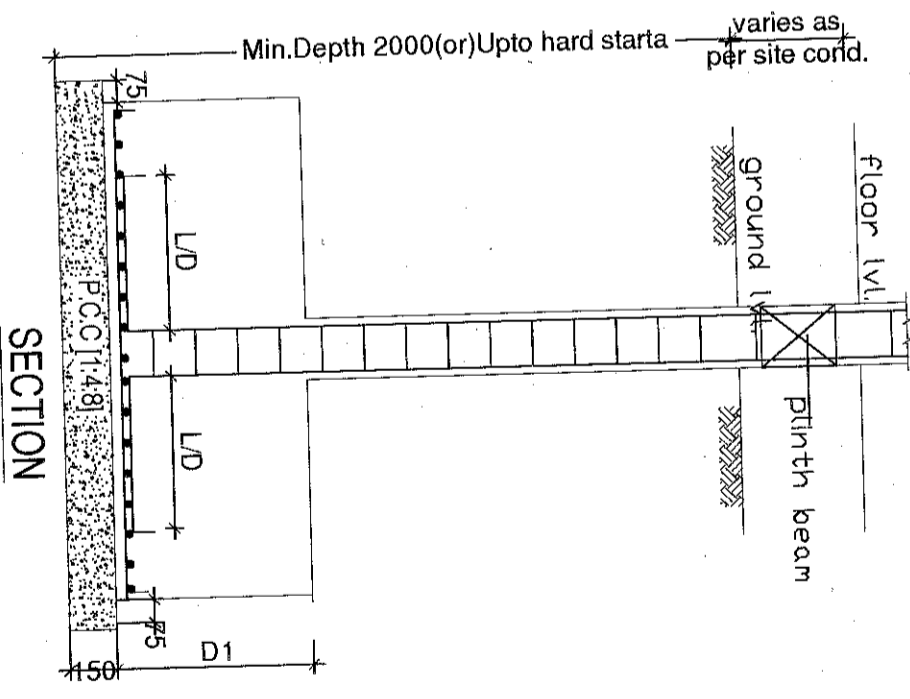
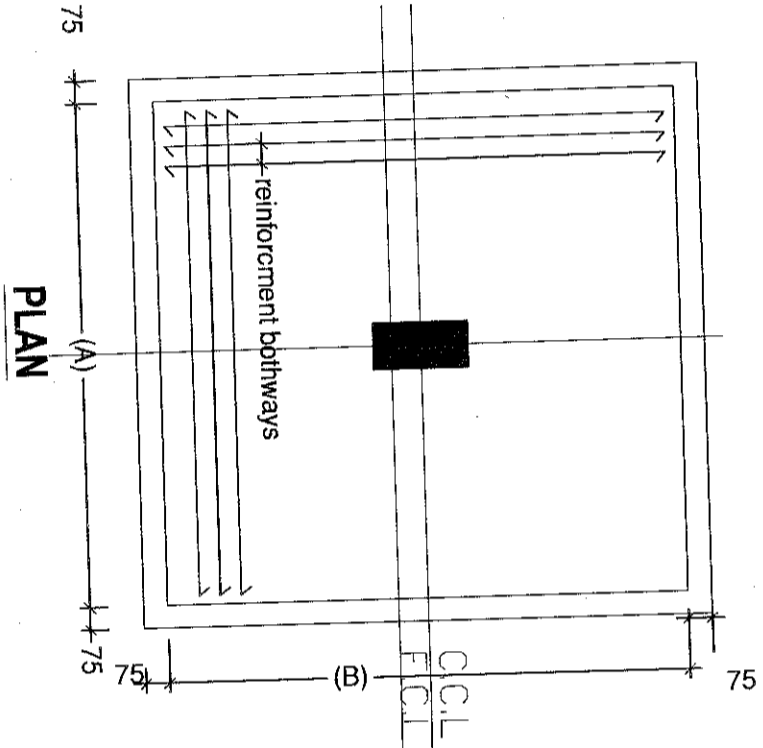
M. Dattatri Rao
GHC License No. 134
STRUCTURAL ENGINEER
GHC No. 194

COLUMN SECTION DETAILS

TYPE	MIX	COLUMN SIZE	SECTION	REINFORCEMENT
C1	M25	375x600		#14nos-25Ø 8Ø@200 c/c 4-ties
C2	M25	230x600		#14nos-20Ø 8Ø@200 c/c 4-ties
C3	M25	230x450		#10nos-20Ø 8Ø@200 c/c 2-ties
C4	M25	300 DIA		#8nos-20Ø 8Ø@200 c/c

FOOTING DETAILS

Sno	FOOT SIZE	A	B	D1	REINFORCEMENT
1	F 1	3100	3100	750	16Ø@175c/c bothways
2	F 2	2850	2850	750	12Ø@125c/c bothways
3	F 3	2400	2400	600	12Ø@125c/c bothways
4	F 4	2100	2100	600	12Ø@150c/c bothways
5	F 5	1600	1600	450	12Ø@175c/c bothways
6	CF1	3160	3230	600	12Ø@125c/c bothways

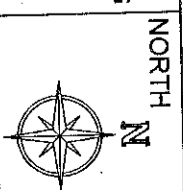


GENERAL NOTES

- USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
- USE FE 500 GRADE TOR STEEL.
- USE FE 500 GRADE TOR STEEL.
- FOOTING IS DESIGN FOR GROUND + FOUR UPPER floors.
- S.B.C OF the soil is taken as per soil report: 300 kn/m²
- USE FE 500 GRADE TOR STEEL.
- PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
- PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
- IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
- DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
- LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
- LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
- DESIGNED FOR ZONE-II EARTH-QUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
- ALL THE DIMENSIONS ARE IN MILLIMETERS.

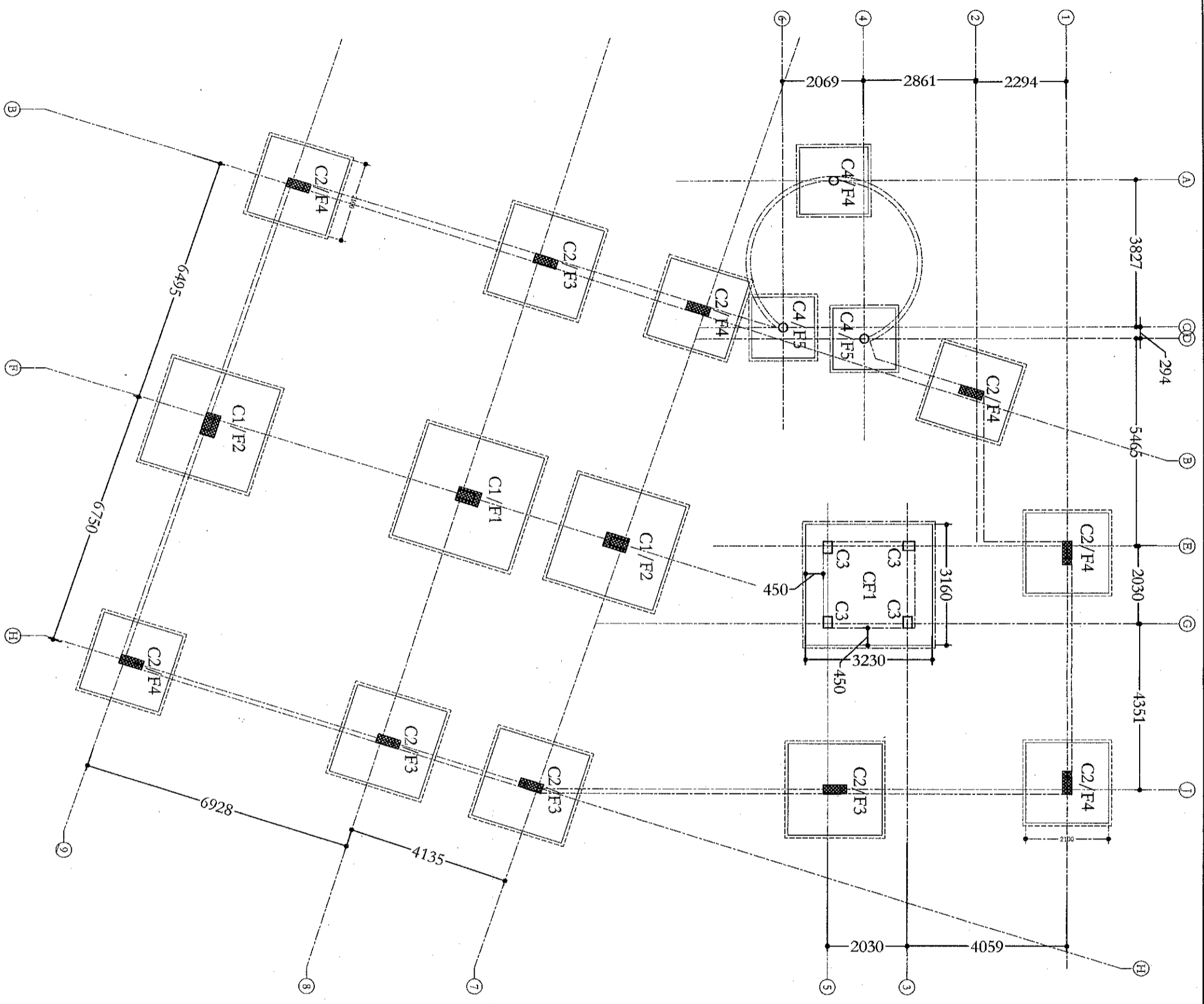
PLAN SHOWING CLUB HOUSE IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75,77, 78, 79, 96 & 1002 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO:
M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER: SRI. SOHAM MODI. S/O SRI. SATISH MODI



Structural Engineer's Signature :

M. Dattatri Rao
M. DATTATRI RAO
STRUCTURAL ENGINEER
GHNCL.S. NO.: 134



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
2. USE FE 500 GRADE TOR STEEL.
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND + FOUR UPPER floors.
5. S.B.C OF the soil is taken as per soil report 300 kg/m²sq
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL: 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING CLUB HOUSE IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :

M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SHAM MODI, S/O SRI. SATISH MODI

CENTERLINE AND COLUMN FOOTING PLAN



Structural Engineer's Signature :

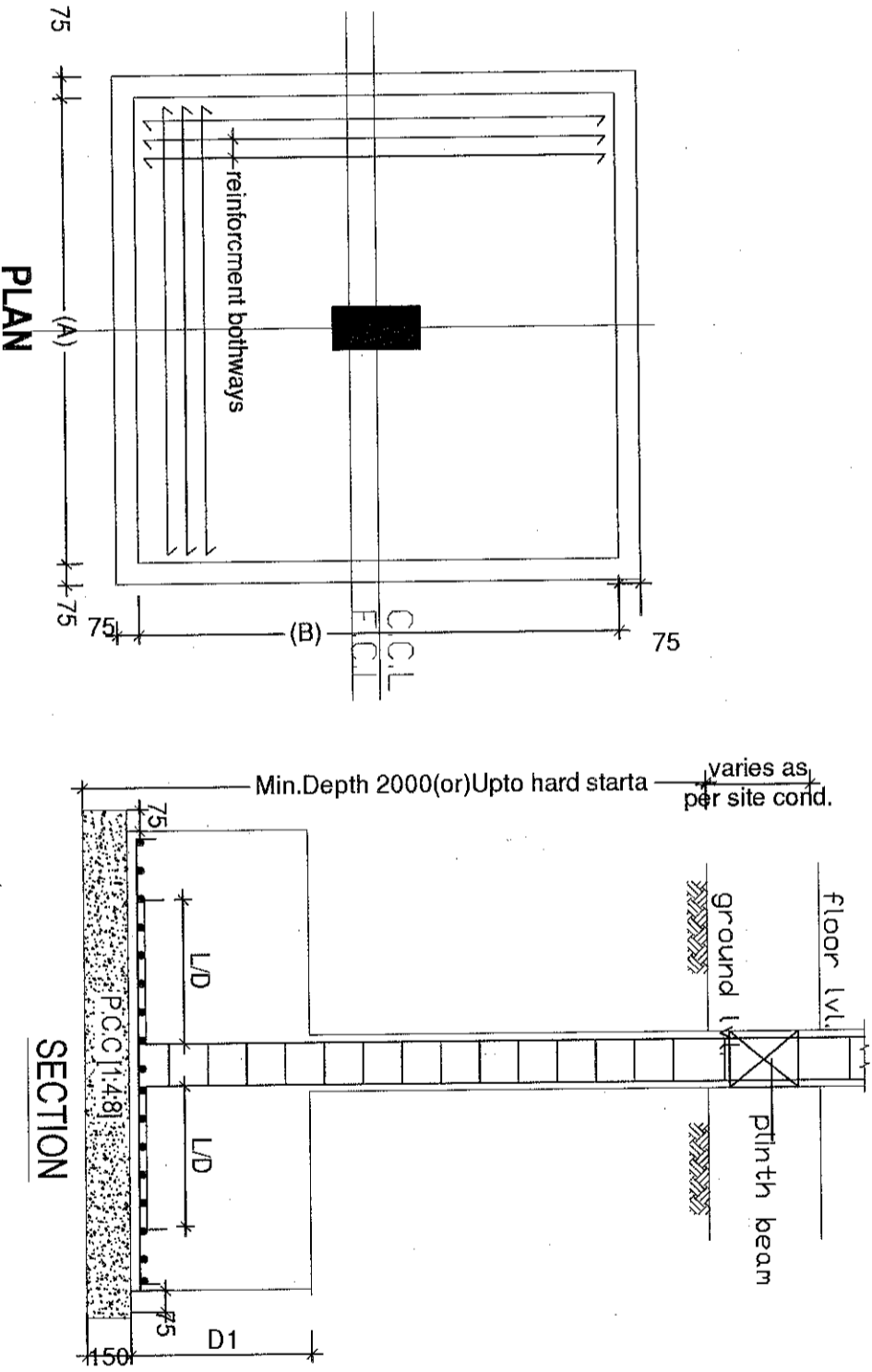
M. Dattatraya Rao

M. Dattatraya Rao
GHMC License No. A34 ENGINEER
Office No. MD: 134

TYPE	MIX	COLUMN SIZE	SECTION	REINFORCEMENT	Sno	FOOT SIZE	A	B	D1	REINFOR CEMENT
C1	M25	230X375		#10nos-20Ø 8Ø@200 c/c 2-ties	1	F 1	1500	1500	450	12Ø@175c/c bothways
C2	M25	230X600		#8nos-20Ø 8Ø@200 c/c 2-ties	2	F 2	2000	2000	600	12Ø@150c/c bothways
C3	M25	230X600		#8nos-16Ø 8Ø@200 c/c 2-ties	3	F 3	2400	2400	750	12Ø@125c/c bothways

COLUMN SECTION DETAILS

FOOTING DETAILS



GENERAL NOTES

- USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
- USE FE 500 GRADE TOR STEEL.
- USE FE 500 GRADE TOR STEEL.
- FOOTING IS DESIGN FOR STILL + FIVE UPPER floors.
- S.3.C OF the soil is taken as per soil report 300 km²/sq.
- USE FE 500 GRADE TOR STEEL.
- PROVIDE CLEAR COVER TO STEEL: 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
- PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
- IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
- DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
- LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
- LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
- DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
- ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING LIG & EWS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SY. NO. : 75.77, 78, 79, 98 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST.

BELONGS TO :

M/S. MODI & MODI CONSTRUCTIONS &

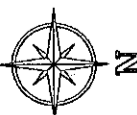
M/S. NIGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER :

SRI. SOHAM MODI, S/O SRI. SATISH MODI

COLUMN & FOOTING SECTION DETAILS

NORTH
N



Structural Engineer's Signature :

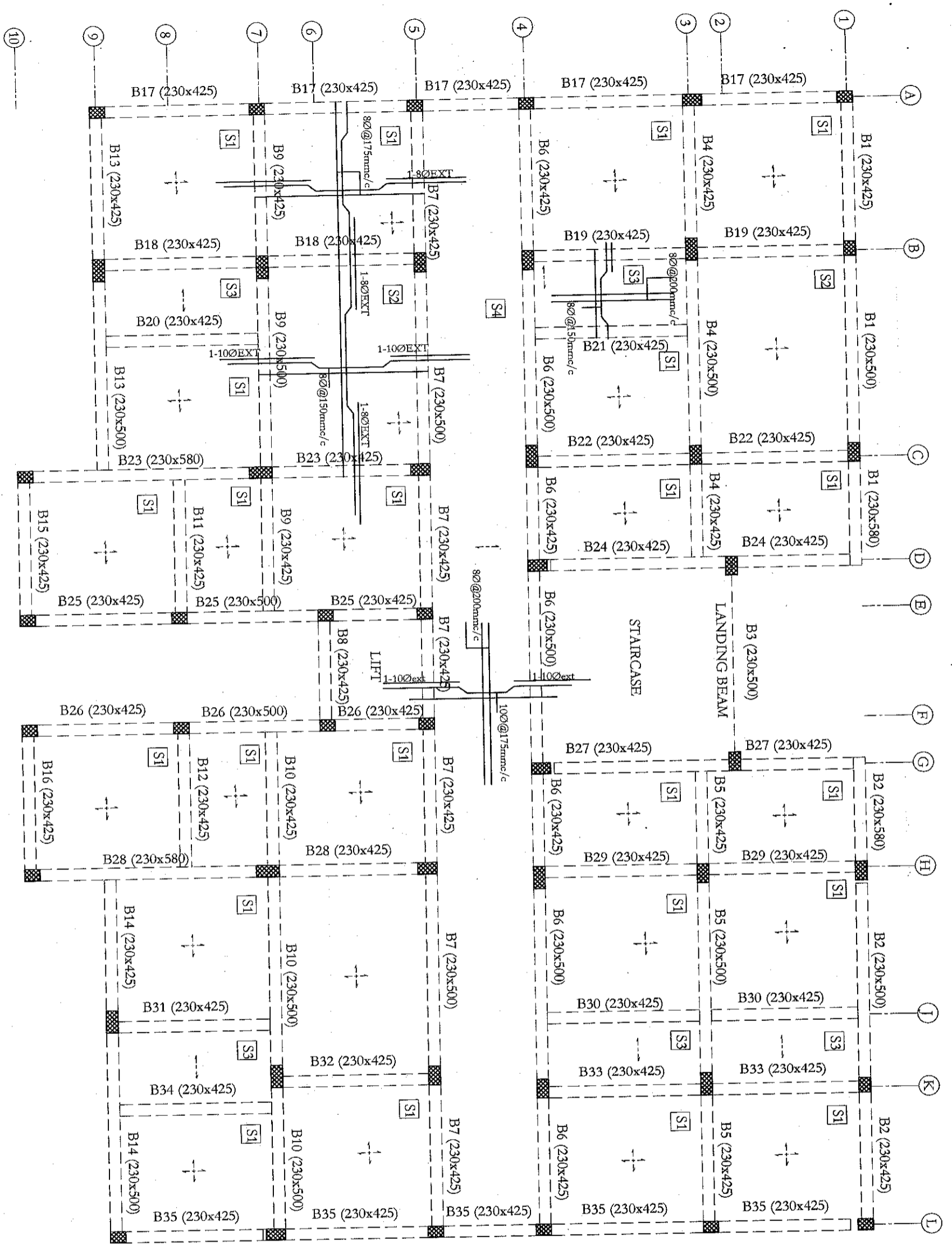
M. Dattatri Rao

M. Dattatri Rao

GHMCE/CE/15/15471 RAO

STRUCTURAL ENGINEER

GHMCE Is. No.: 134

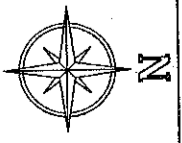


BEAM LAYOUT PLAN

- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
 2. BEAMS & SLABS. (RATTO AS PER DESIGN PLAN).
 3. USE FE 500 GRADE TOR STEEL.
 4. FOOTING IS DESIGN FOR CELLAR-1, CELLAR-2, GROUND + UPPER floors.
 5. S.B.C of the soil is taken as per soil report 500 km²/sq
 6. USE FE 500 GRADE TOR STEEL.
 7. PROVIDE CLEAR COVER TO STEEL ARM FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
 8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
 9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
 10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
 11. LAP LENGTH 48 D (D IS THE DIA OF THE BAR) IN COMPRESSION.
 12. LAP LENGTH 52 D (D IS THE DIA OF THE BAR) IN TENSION.
 13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
 14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING LIG & EWS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO. : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

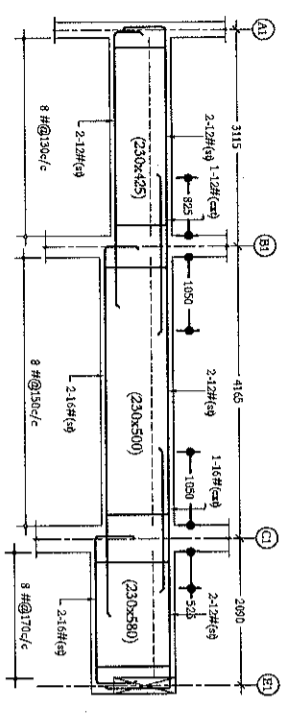
BELONGS TO :
 M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
 BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SOHAM MODI / S/O SRI. SATISH MODI



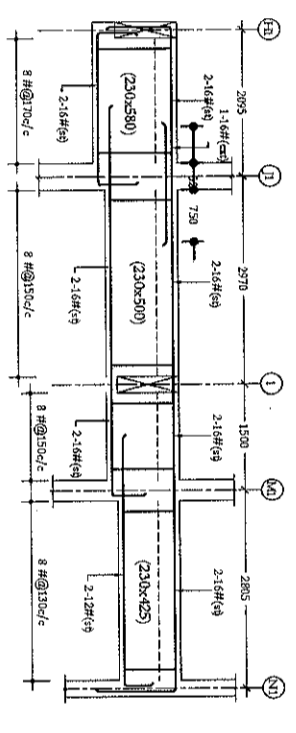
Structural Engineer's Signature :

M. Dattatri Rao

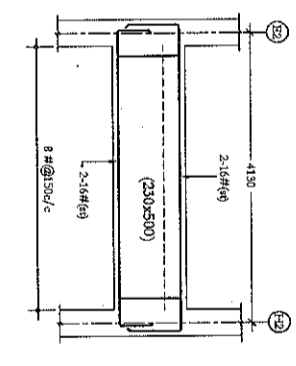
M. Dattatri Rao
 CHIEF STRUCTURAL ENGINEER
 CIVILS NO. 134



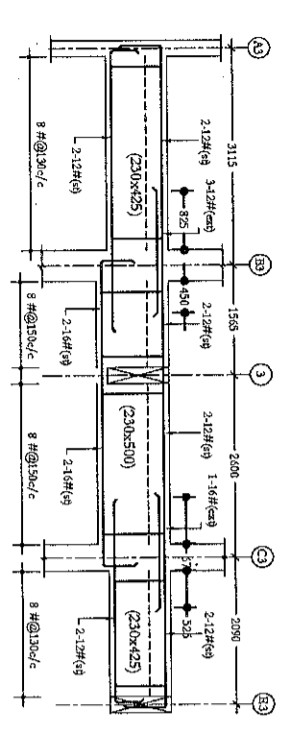
BEAM B1



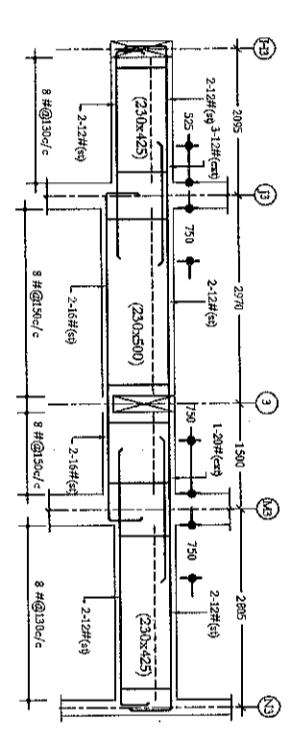
BEAM B2



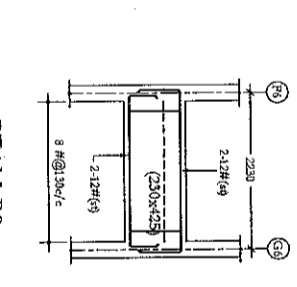
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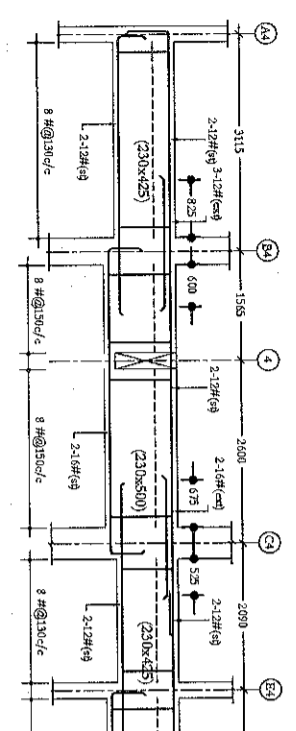
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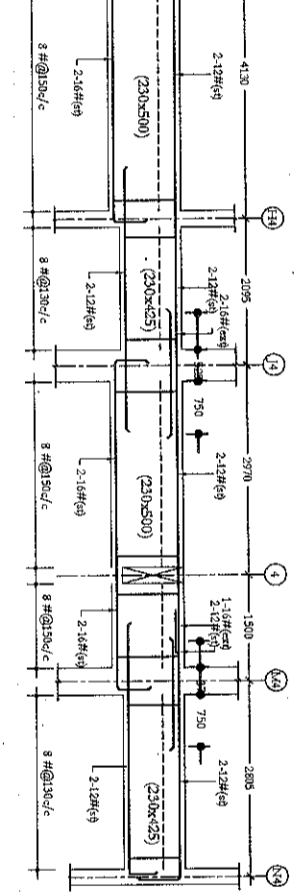
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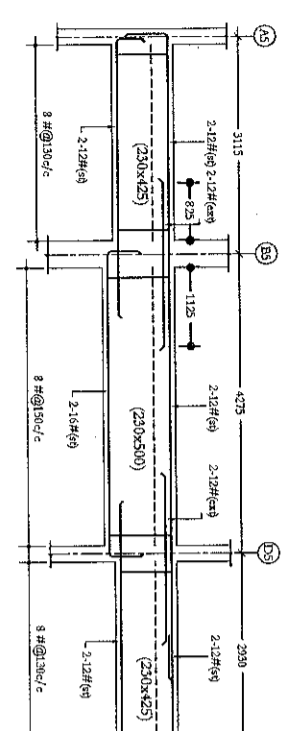
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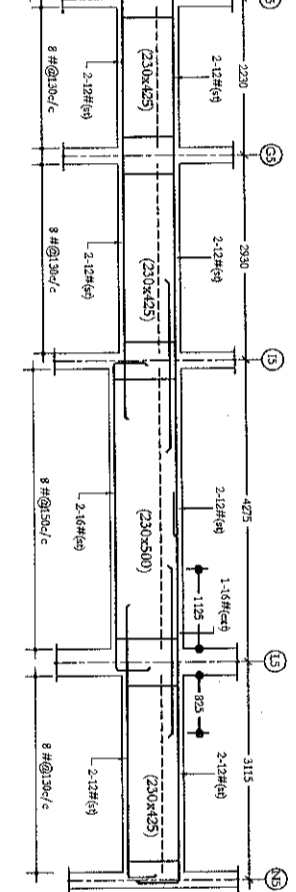
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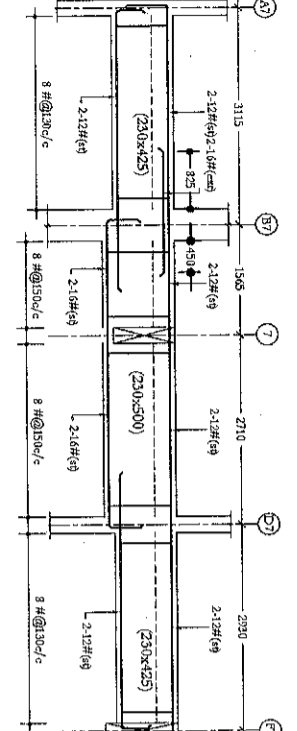
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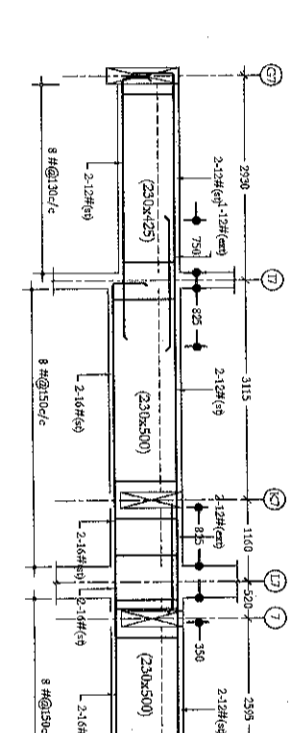
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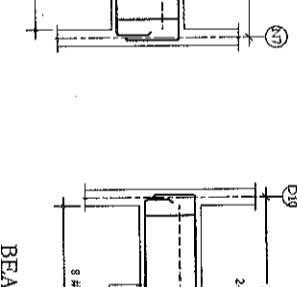
BEAM B12



BEAM B9



BEAM B10



BEAM B15

GENERAL NOTES

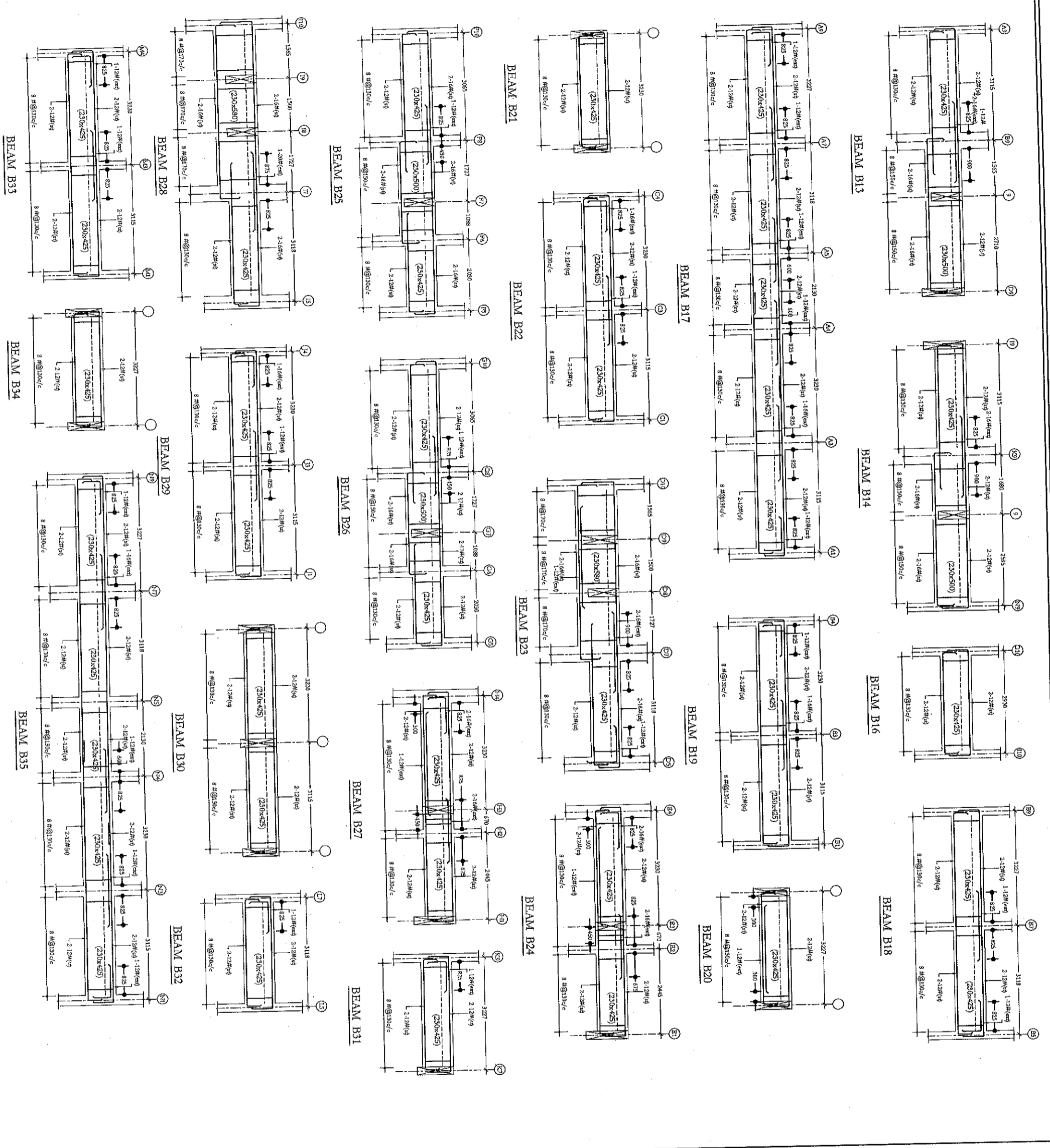
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL
4. FOOTING IS DESIGN FOR STILL + FIVE UPPER floors.
5. S.B.C OF the soil is taken as per soil report 300 kn/m²
6. USE FE 500 GRADE TOR STEEL
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 25mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND 1/8 STEEL UP TO 0.301 FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLER SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING LIG & EWS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75, 77, 78, 79, 98 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST. BELONGS TO :
 M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
 BOTH REPRESENTED BY ITS MANAGING PARTNER :
 SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPICAL BEAM SECTION DETAILS

Structural Engineer's Signature :

M. Dattatraya Bhattaraj
 CHMCS, No. 134 ENGINEER
 CHMCS, No. 134



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR STILL + FIVE UPPER floors.
5. S.F.C OF the soil is taken as per soil report 300 km/m²
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D IS THE DIA OF THE BAR) IN TENSION.
13. DESIGN FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING LIG & EWS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75,77,78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA WANDAL, R.R. DIST.

BELONGS TO :
 M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
 BOTH REPRESENTED BY ITS MANAGING PARTNER :
 SRI. SHAH MODI S/O SRI. SATISH MODI

TYPICAL BEAM SECTION DETAILS

Structural Engineer's Signature :

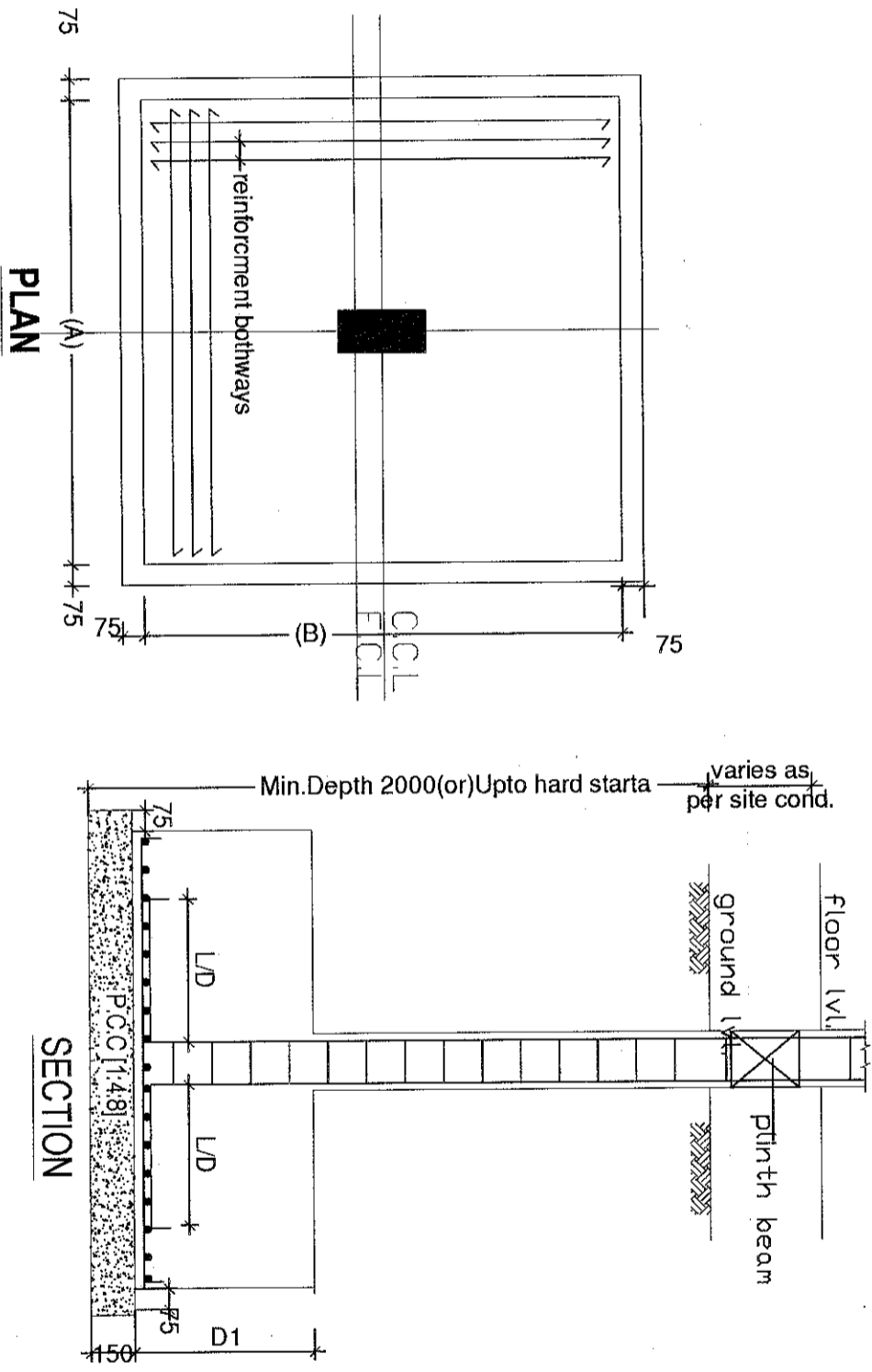
M. Dattatri Rao

M. Dattatri Rao
 CHMCL. No. 134
 STRUCTURAL ENGINEER
 CHMCL. No. 134

TYPE	MIX	COLUMN SIZE	SECTION	REINFORCEMENT	Sno	FOOT SIZE	A	B	D1	REINFOR CEMENT
C1	M25	230X375		#10nos-20Ø 8Ø@200 c/c 2-ties	1	F 1	1500	1500	450	12Ø@175c/c bothways
C2	M25	230X600		#8nos-20Ø 8Ø@200 c/c 2-ties	2	F 2	2000	2000	600	12Ø@150c/c bothways
C3	M25	230X600		#8nos-16Ø 8Ø@200 c/c 2-ties	3	F 3	2400	2400	750	12Ø@125c/c bothways

COLUMN SECTION DETAILS

FOOTING DETAILS



GENERAL NOTES

- USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
- USE FE 500 GRADE TOR STEEL.
- FOOTING IS DESIGN FOR STILL + FIVE UPPER floors.
- S.B.C OF the soil is taken as per soil report 300 km/m²
- USE FE 500 GRADE TOR STEEL.
- PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
- PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
- IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
- DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
- LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION
- LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
- DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
- ALL THE DIMENSIONS ARE IN MILLIMETRES.

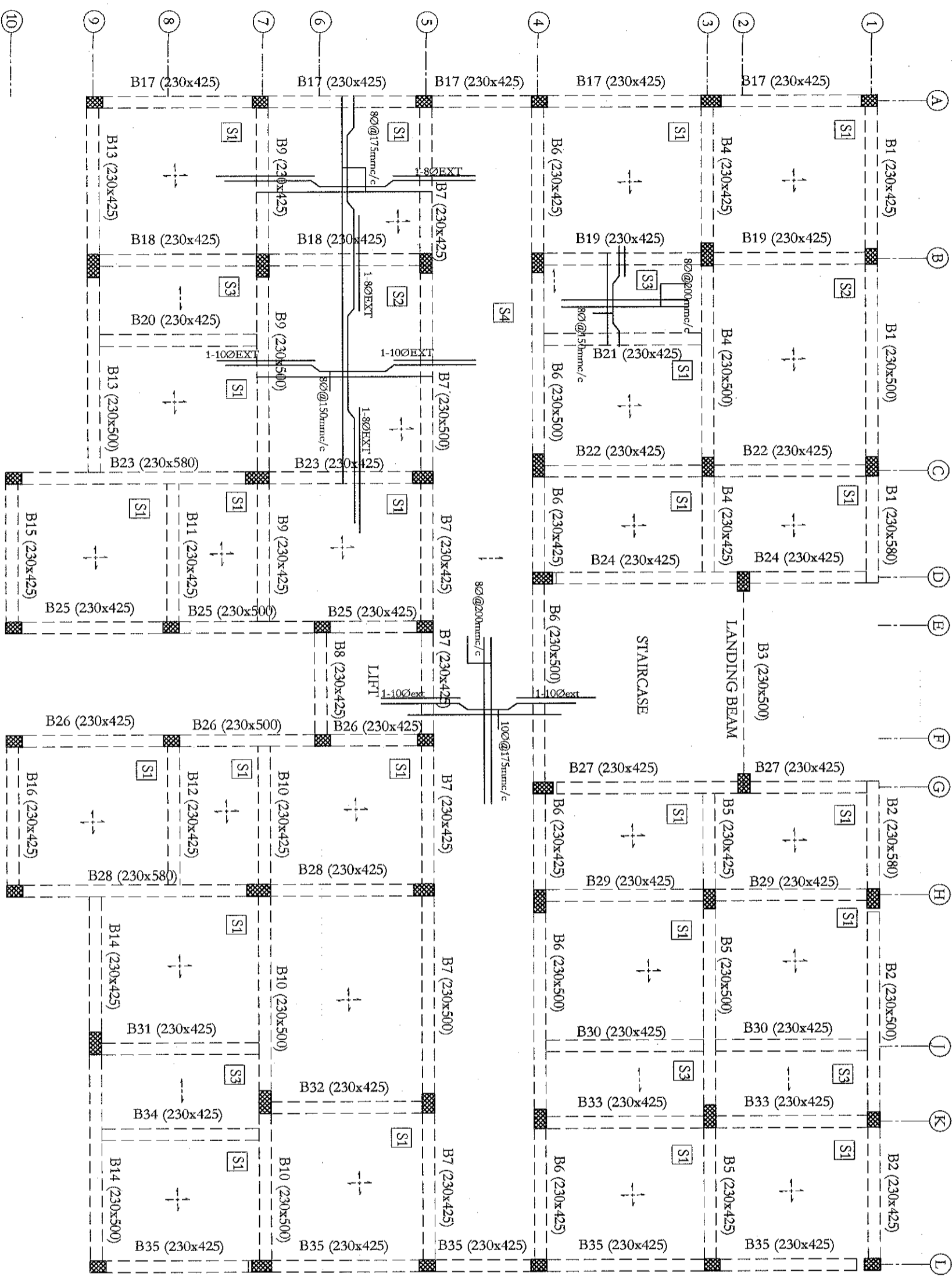
PLAN SHOWING IIG & EMS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SV NO. 75.77, 78, 79, 98 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST. BELONGS TO:
M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER: SRI. SOHAM MODI S/O SRI. SATISH MODI

COLUMN & FOOTING SECTION DETAILS



Structural Engineer's Signature :

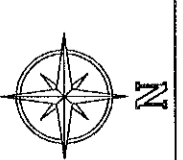
M. Dattatraya RAO
M. DATTATRAYA RAO
CHIEF DESIGNER & MANAGING PARTNER
GHMC REG. NO. 134/ENGINEER
GHMC REG. NO. 134



BEAM LAYOUT PLAN

- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
 2. USE FE 250 GRADE TOR STEEL.
 3. USE FE 500 GRADE TOR STEEL.
 4. FOOTING IS DESIGN FOR CELLAR -1 (CELLAR-2, GROUND + UPPER Floors).
 5. S.B.C. Of the soil is taken as per soil report 500 kpa/m².
 6. USE FE 500 GRADE TOR STEEL.
 7. PROVIDE CLEAR COVER TO STEEL JOINT FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
 8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
 9. IN SLAB EXTEND VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
 10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
 11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
 12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
 13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
 14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

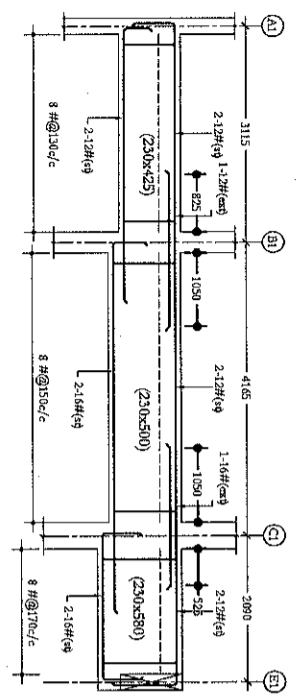
PLAN SHOWING LIG & EWS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SY. NO. : 75, 77, 78, 79, 96 & 1002 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST. BELONGS TO :
 M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
 BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SOHAM MODI S/O SRI. SATISH MODI



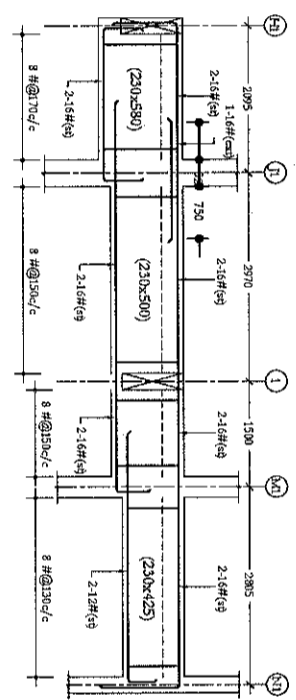
Structural Engineer's Signature :

M. Dattatri

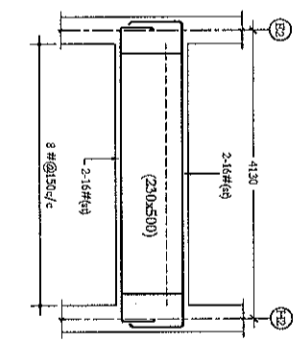
M. Dattatri PATTATRI RAO
 GHMC Engineer No. 124 ENGINEER
 GHMCL.S. NO.: 134



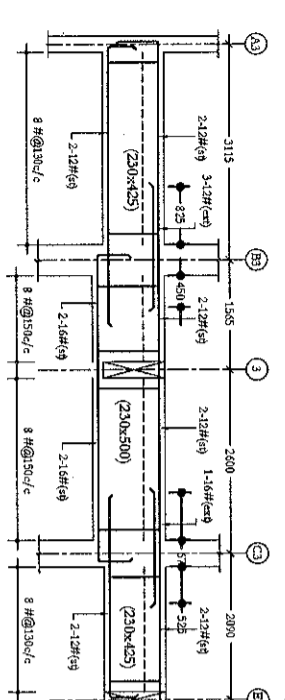
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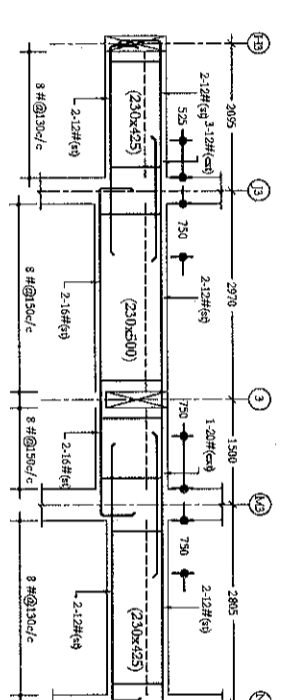
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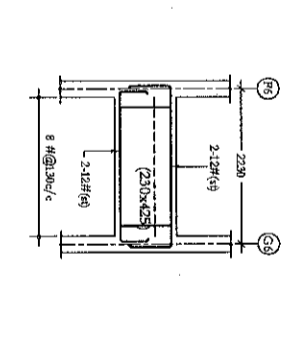
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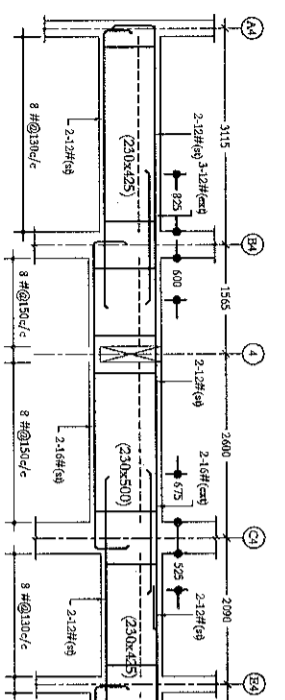
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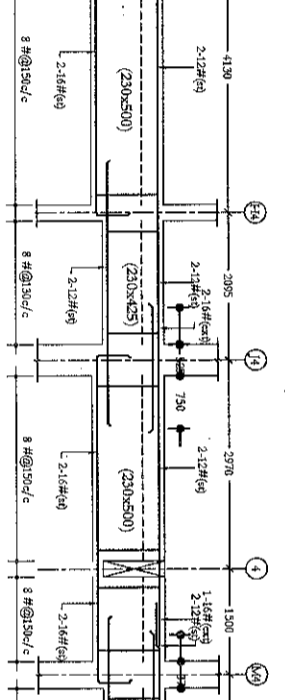
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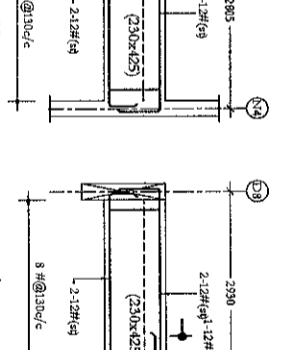
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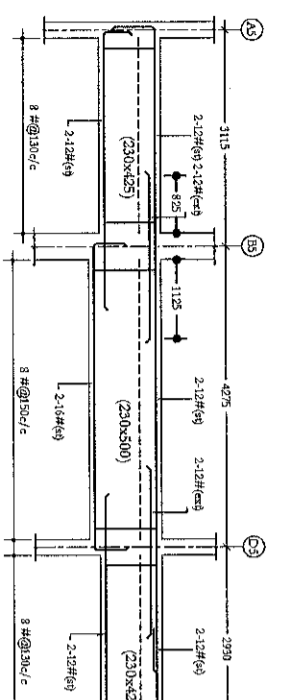
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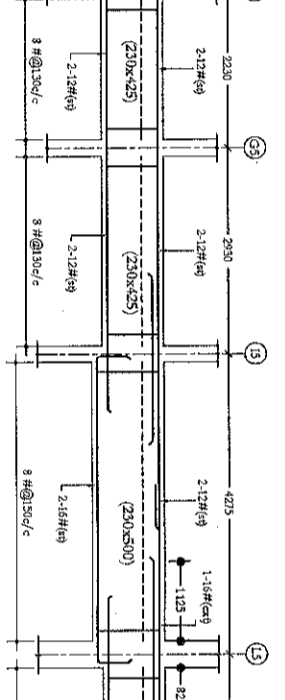
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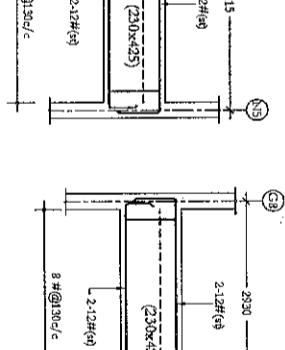
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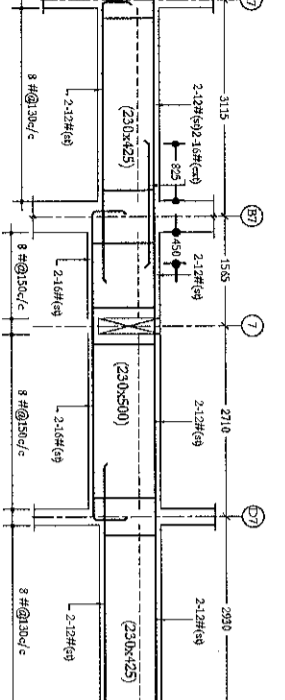
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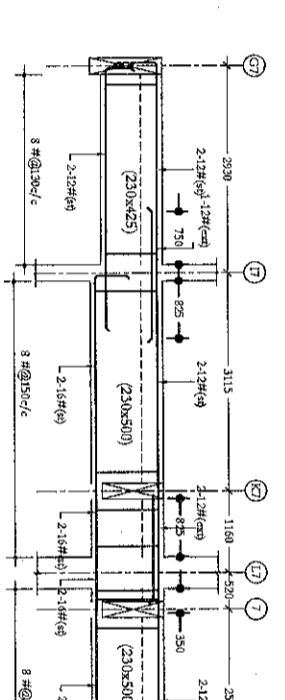
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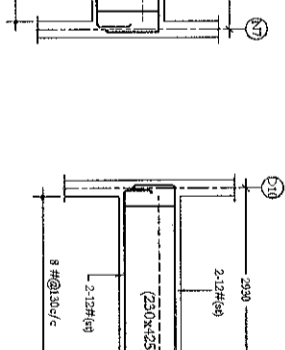
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BEAM B9



BEAM B10



BEAM B15

GENERAL NOTES

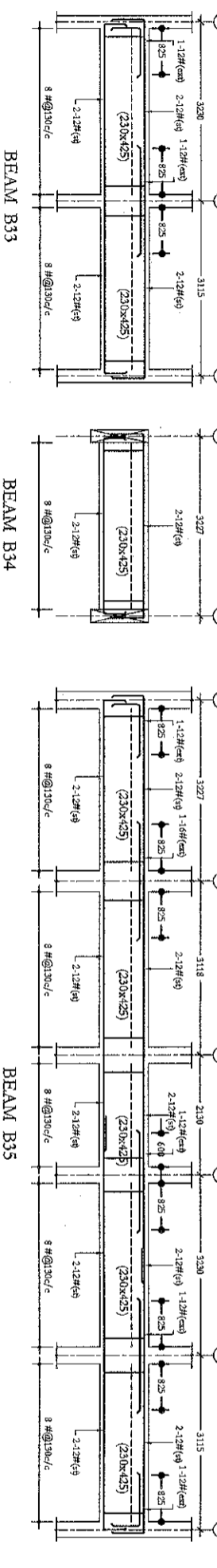
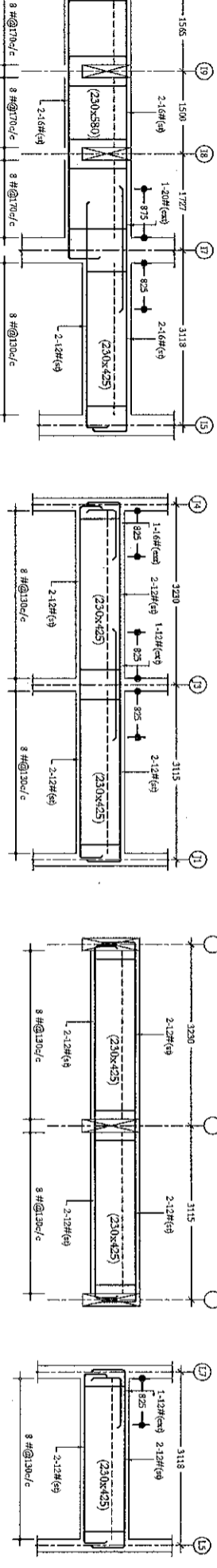
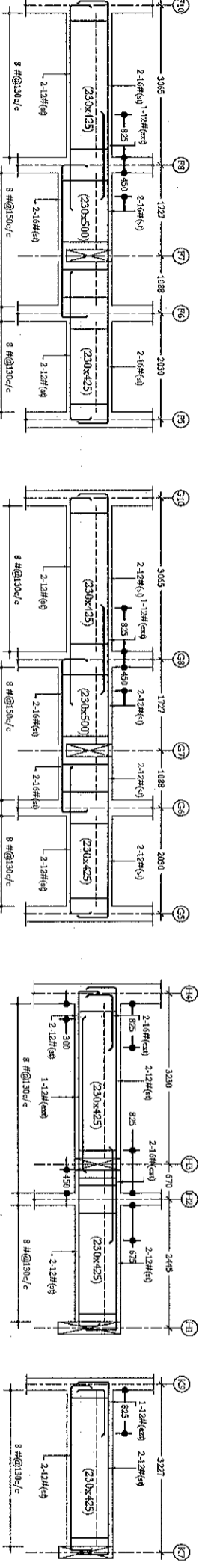
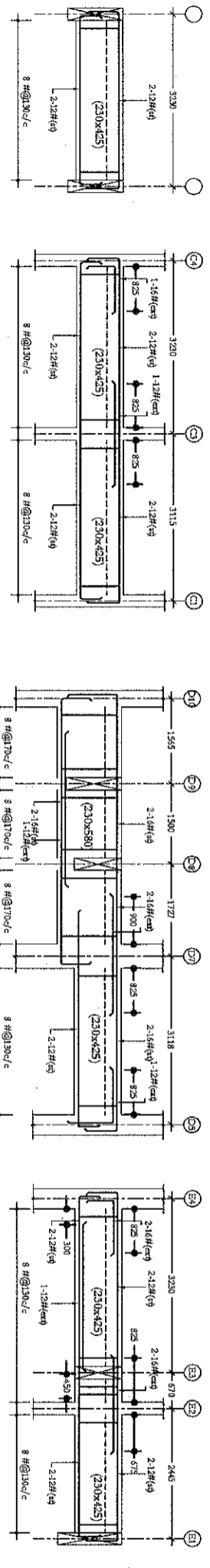
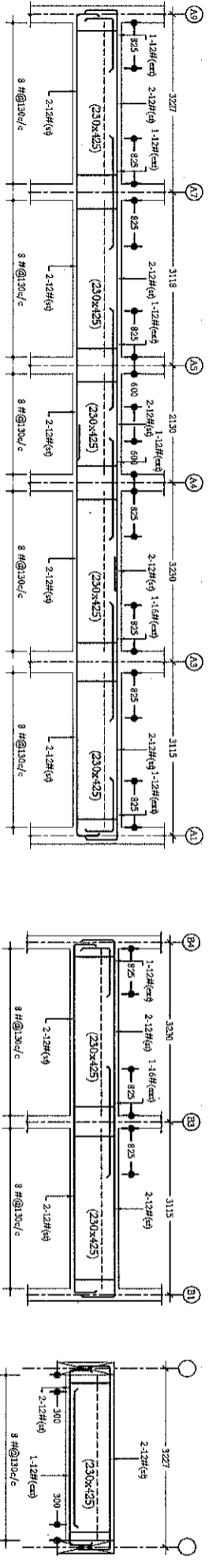
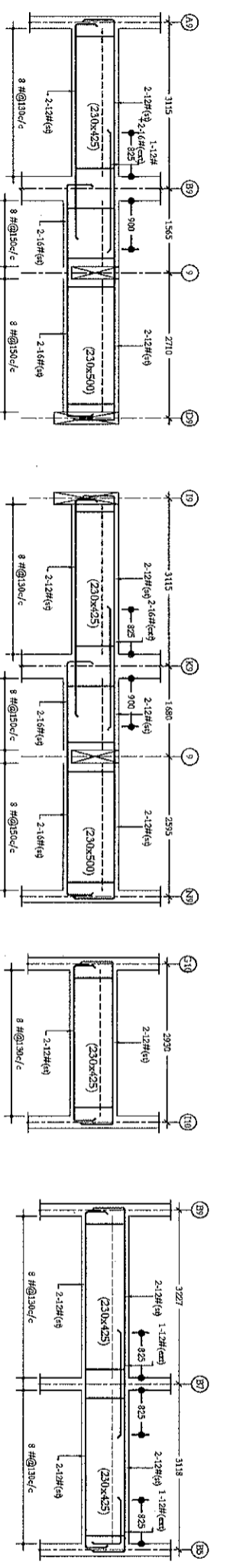
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE FOR STEEL
4. FOOTING IS DESIGN FOR STILL + FIVE UPPER floors.
5. S.B.C OF the soil is taken as per soil report 300 kn/m²
6. USE FE 500 GRADE FOR STEEL
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D-IS THE DIA OF THE BAR) IN COMPRESSION
12. LAP LENGTH 52 D (D-IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING LIG & EWS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75, 77, 78, 79, 96 & 1002 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST. BELONGS TO : M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES. BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPICAL BEAM SECTION DETAILS

Structural Engineer's Signature :

M. Dattatraya
M. DATTATRAYA
 Structural Engineer
 GHMC License No. 134
 UIN No. 134



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE FOR STEEL.
4. FOOTING IS DESIGN FOR STILL + FIVE UPPER floors.
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7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING LIG & EWS FLATS IN THE PROPOSED GROUP HOUSING SCHEME IN SY.NO. : 75,77, 78, 79, 96 & 1002 OF RAMPAALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :
 M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
 BOTH REPRESENTED BY ITS MANAGING PARTNER :
 SRI. SOHAM MODI S/O SRI. SATISH MODI

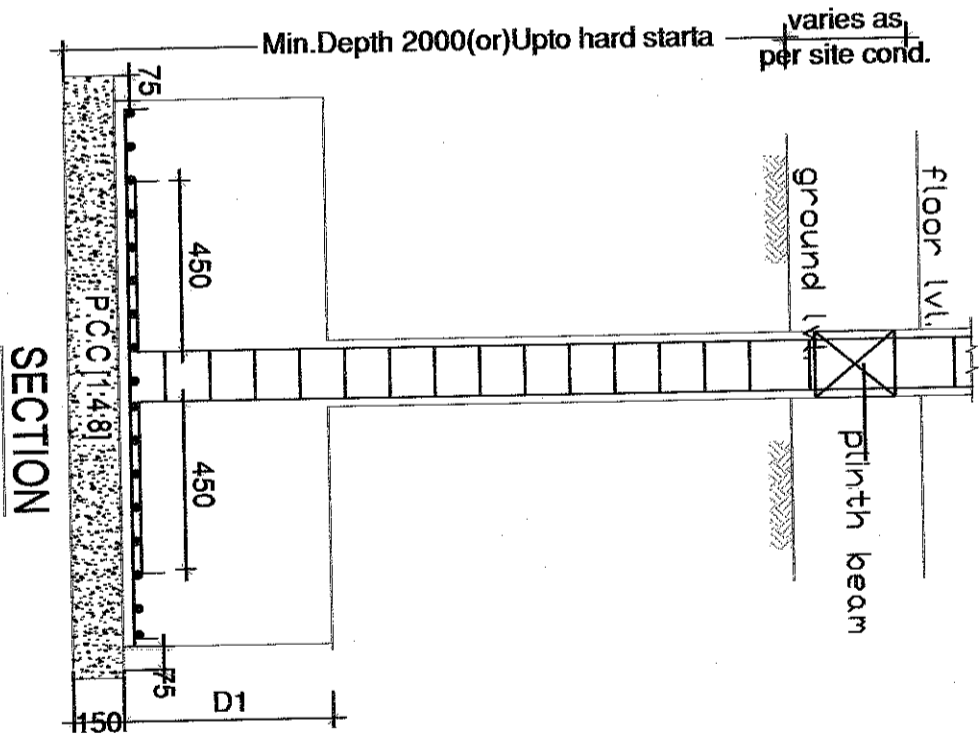
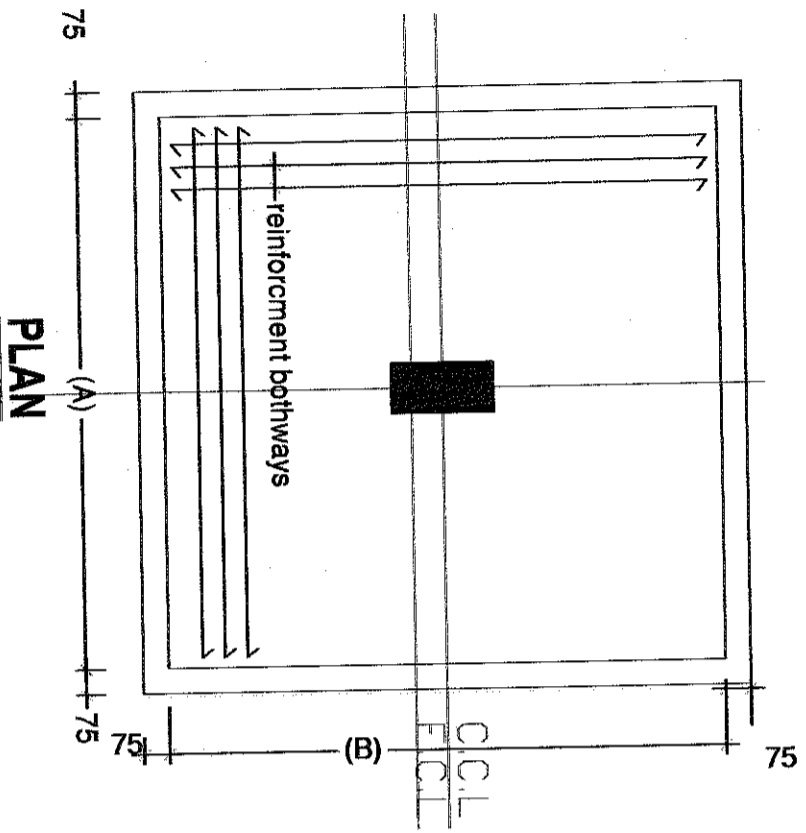
TYPICAL BEAM SECTION DETAILS

Structural Engineer's Signature :

(Handwritten Signature)

M. Datatri Bapat
 PATTATRI RAO
 GHMC USE NO. 134
 CIVIL ENGINEER
 GHMC U.S. No. : 134

COLUMN SECTION DETAILS				FOOTING DETAILS						
TYPE	MIX	COLUMN SIZE	SECTION	REINFORCEMENT	Sno	FOOT SIZE	A	B	D1	REINFOR CEMENT
C1	M25	230X450		#8nos-20Ø 8Ø@200 c/c 2-ties	1	F 1	2100	2100	750	12Ø@125c/c bothways
C2	M25	230X450		#4nos-20Ø +4-16Ø 8Ø@200 c/c 2-ties	2	F 2	1800	1800	600	12Ø@150c/c bothways
C3	M25	230X450		#8nos-16Ø 8Ø@200 c/c 2-ties	3	F 3	1500	1500	450	10Ø@150c/c bothways



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF the soil is taken as per soil report. 300 kn/m²
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UP TO 0.50L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D- IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D- IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO : 75,77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPE	NO. (WEST DETACHED)	OPTION-1 & 2
Plot No's	No. Of Plots	
96 TO 97	14	
98 TO 99	14	
TOTAL	28	

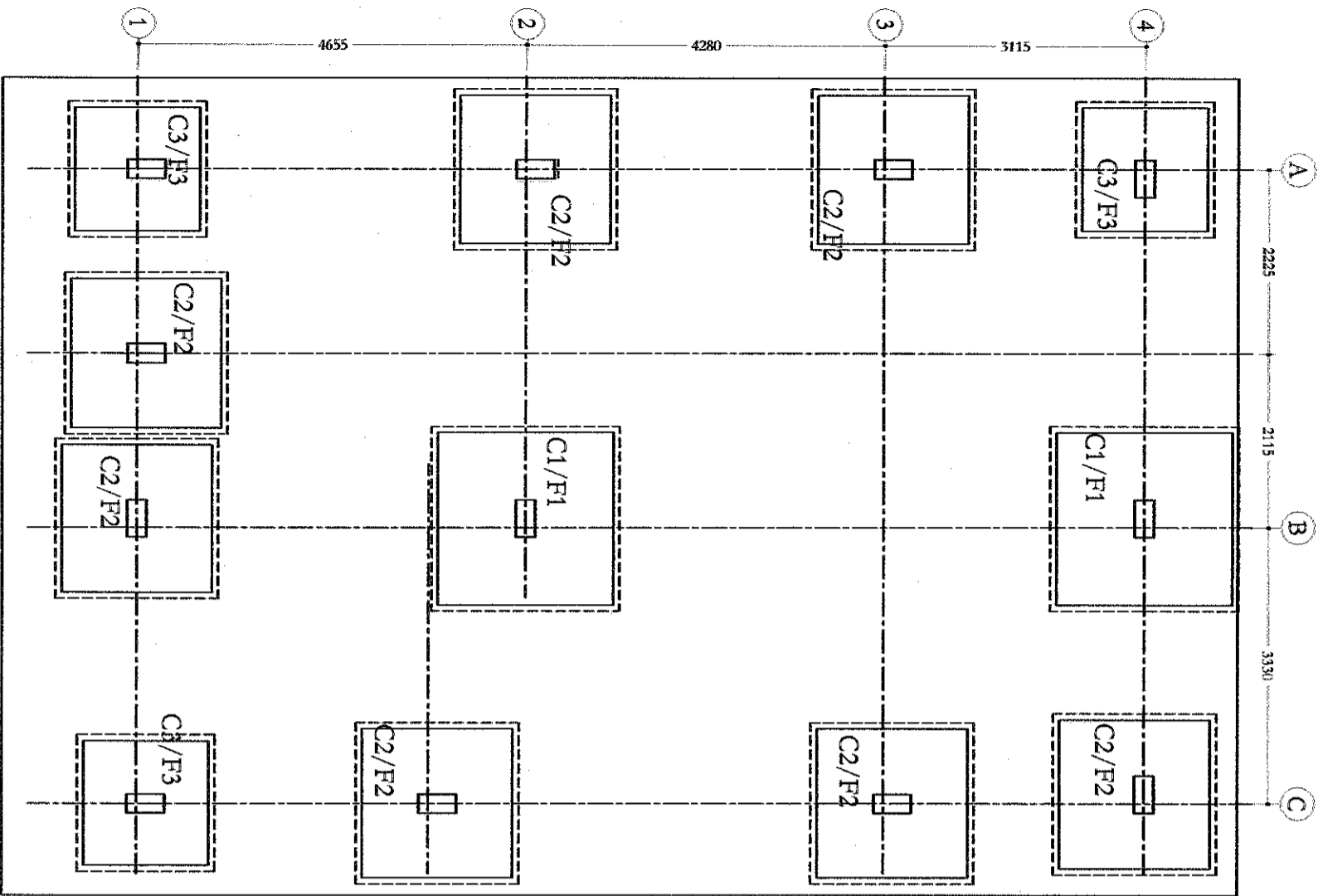
COLUMN & FOOTING SECTION DETAILS



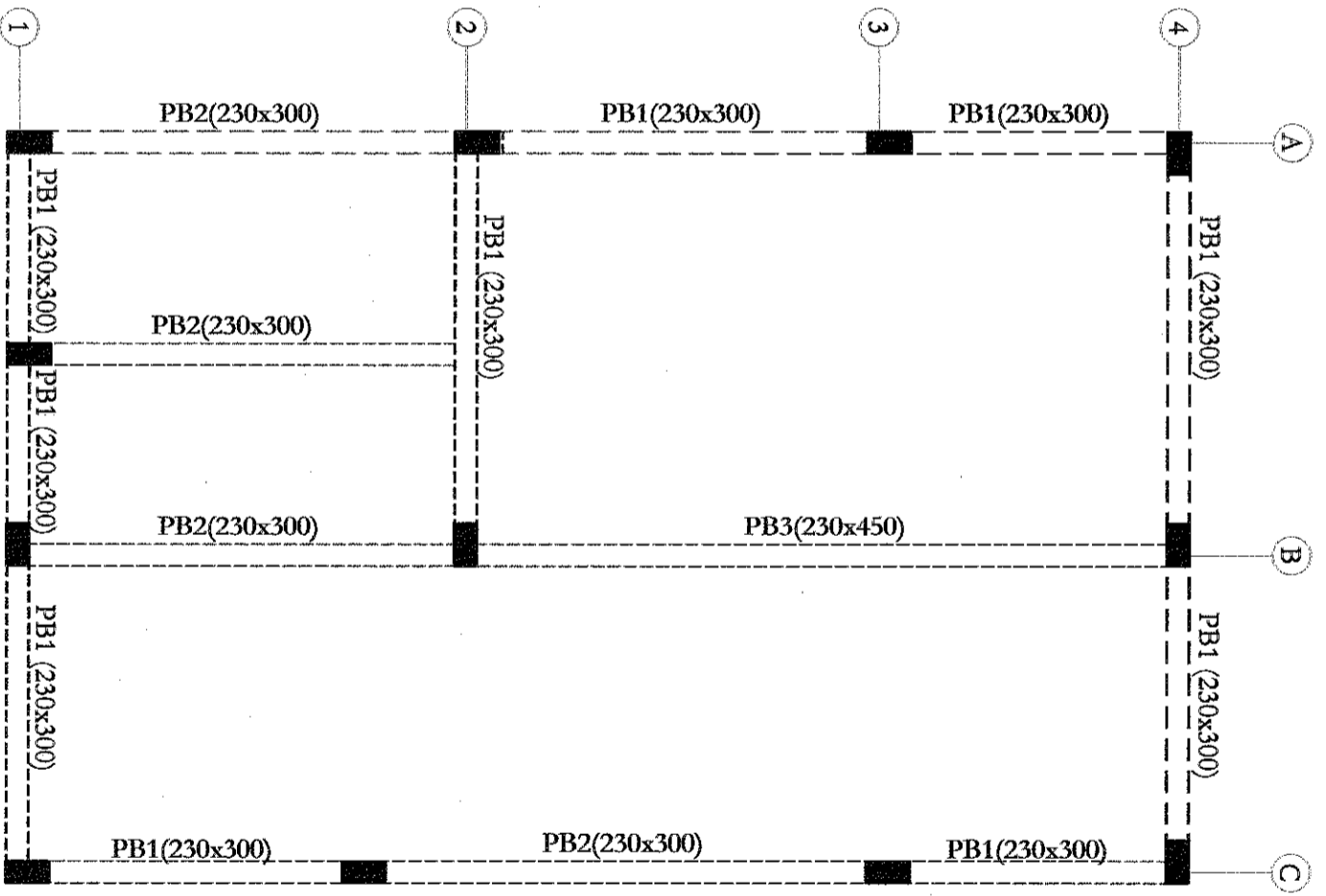
Structural Engineer's Signature :

M. Dattatri Rao

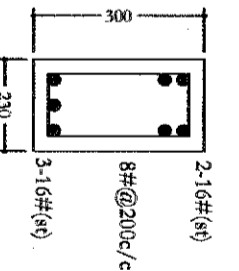
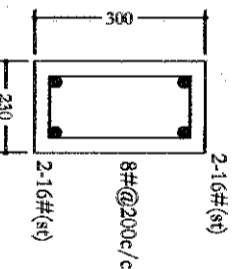
M. Dattatri Rao
GHMCL License No: A34RI RAO
STRUCTURAL ENGINEER
GHMCLs. No.: 134



COLUMN CENTER LINE



PLINTH BEAM LAY-OUT



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
2. USE FE 500 GRADE TOR STEEL.
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF the soil is taken as per soil report 300 kn/m²
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D- IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D- IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

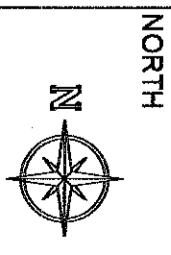
PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST.

BELONGS TO :
M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPE - A (NEST DETACHED) (OPTION - 1 & 2)

Pict Nos	No. Of Pict
38 TO 51	14
55 TO 78	24
TOTAL	38

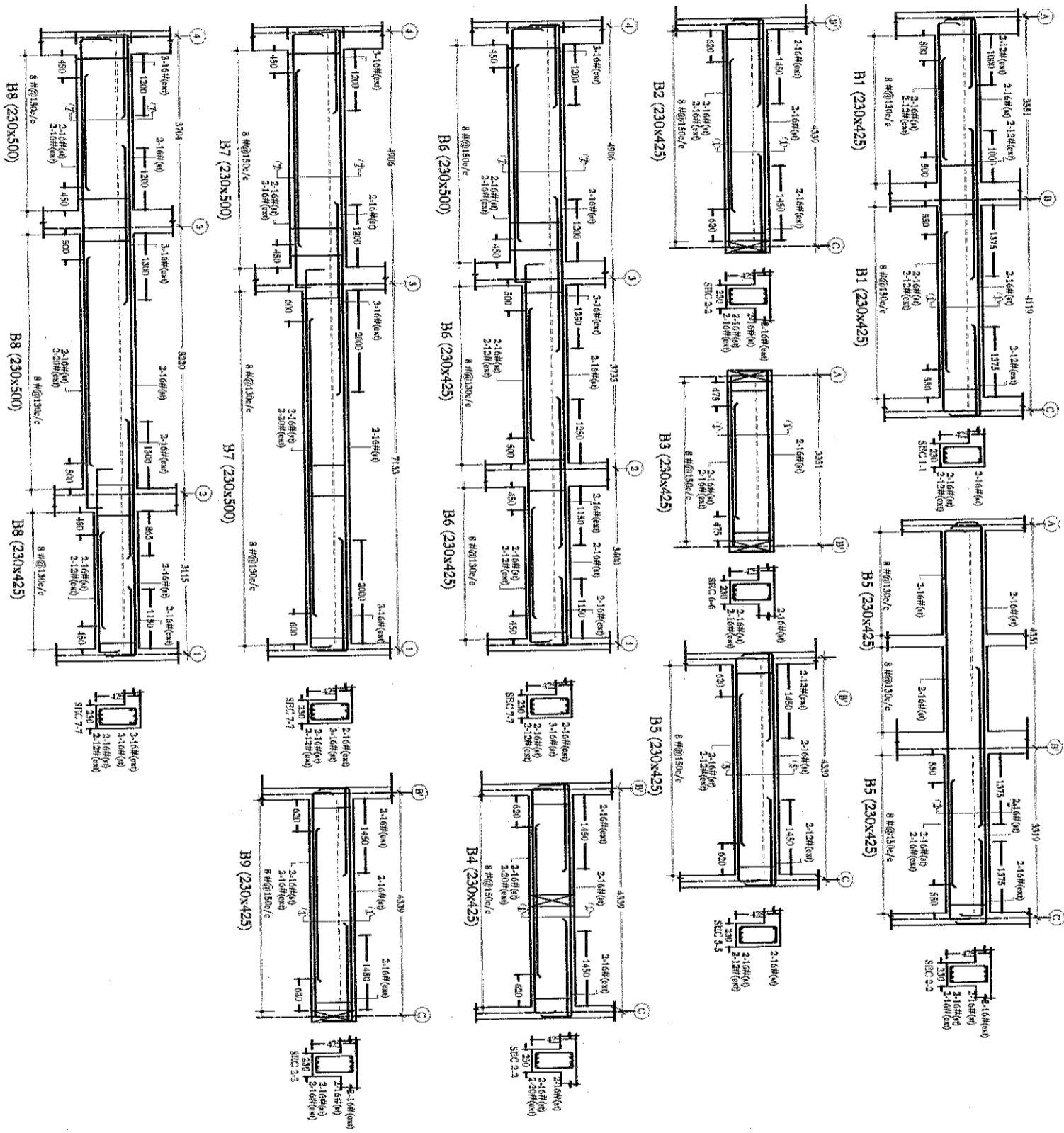
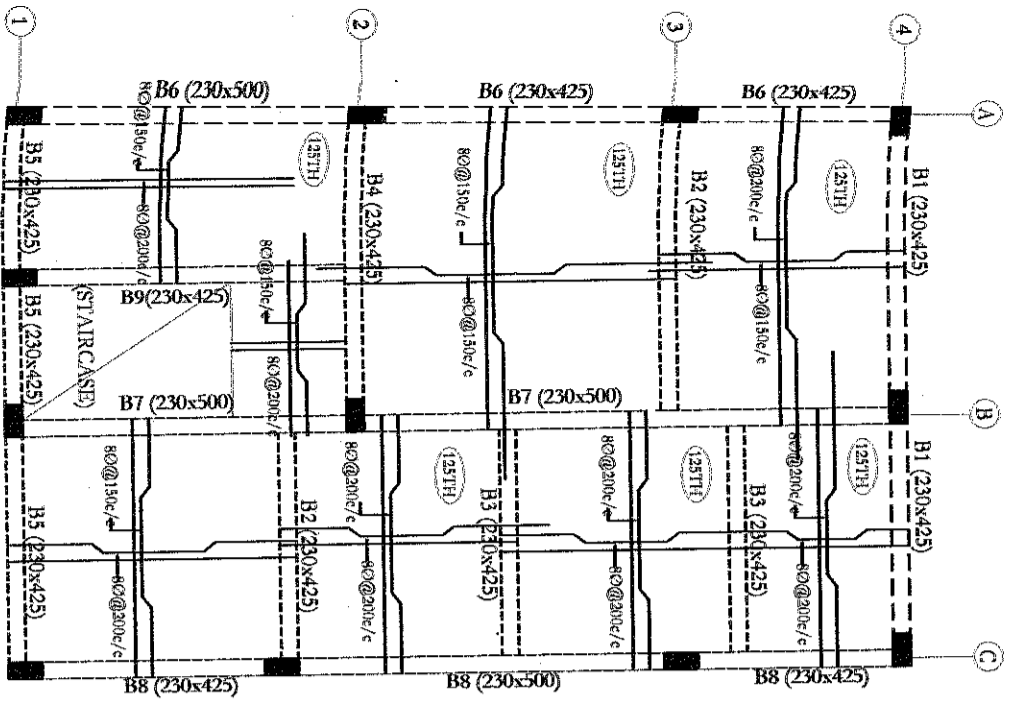
COLUMN & FOOTING SECTION DETAILS



Structural Engineer's Signature :

M. Dattatri Rao

M. Dattatri Rao
GHMCL No. 134
STRUCTURAL ENGINEER
GHMCL No. 134



GENERAL NOTES

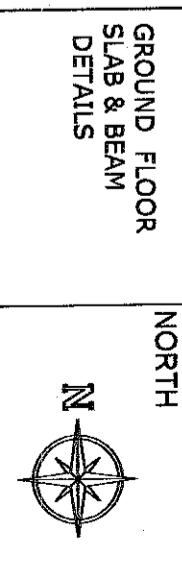
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
2. USE FE 500 GRADE TOR STEEL.
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF the soil is taken as per soil report 300 kN/m²sq
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -1/2 STEEL UPTO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75,77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KESARA MANDAL, R.R DIST.

BELONGS TO:
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER:
SRI. SOHAM MODI / S/O SRI. SATISH MODI

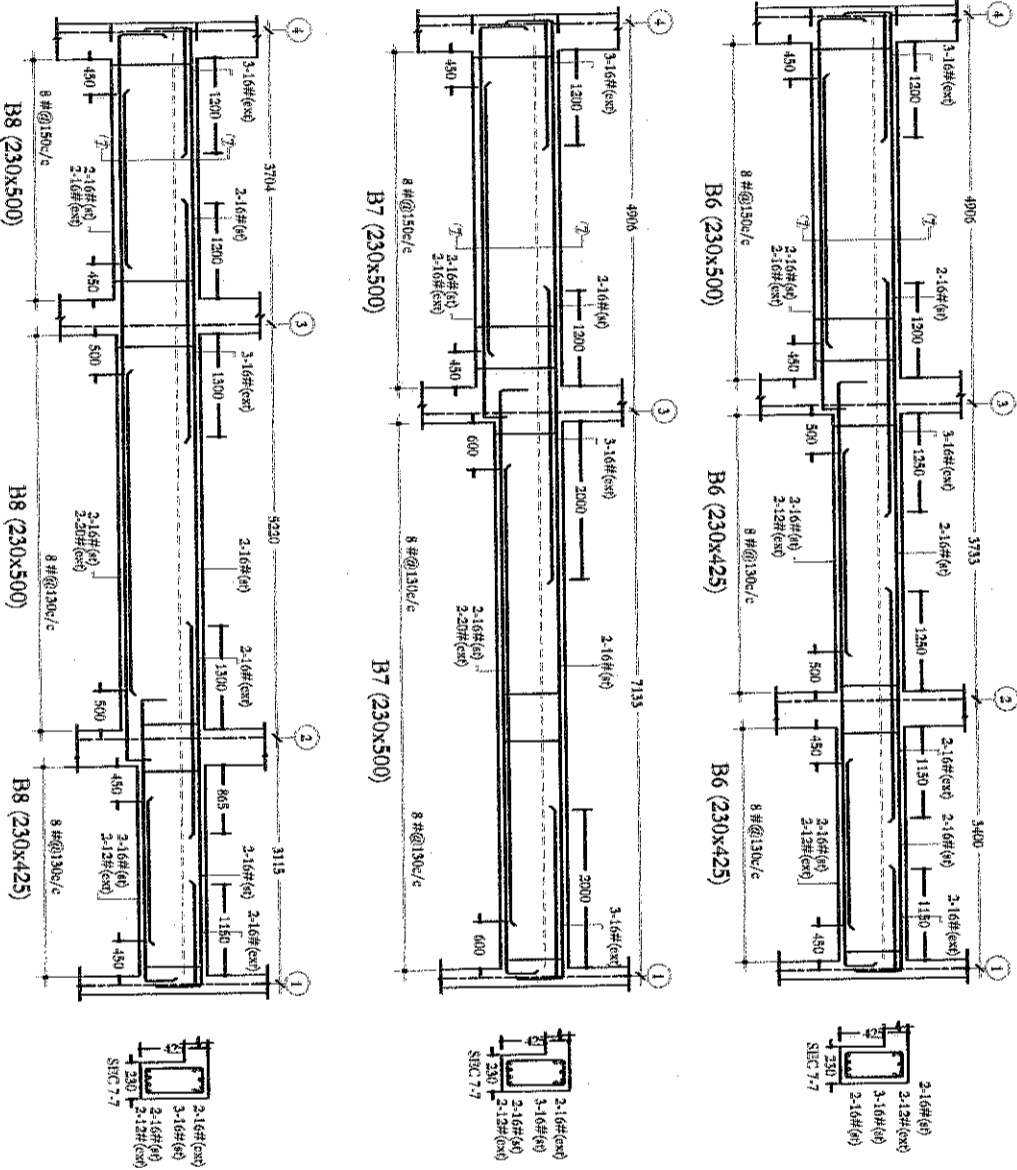
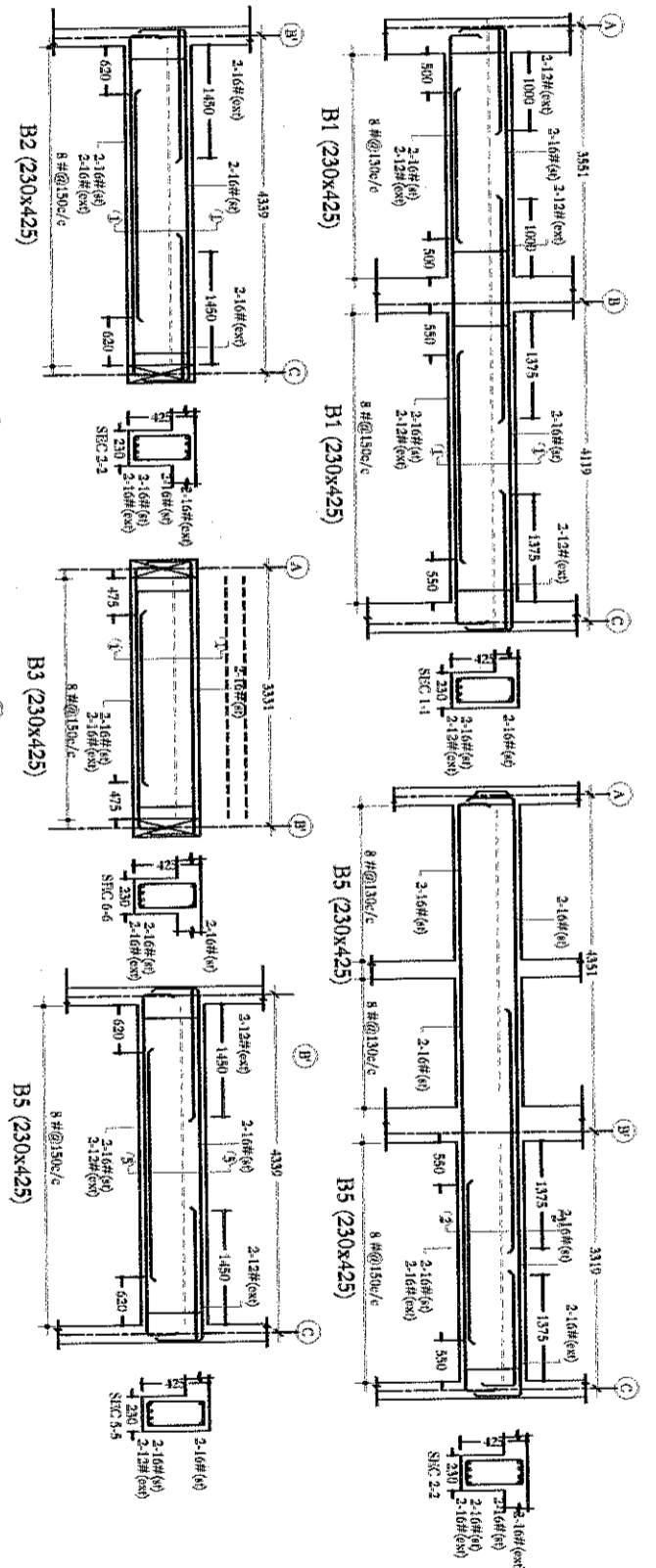
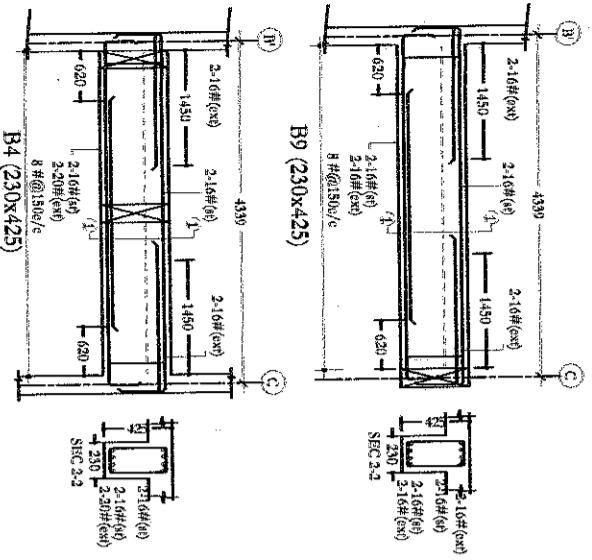
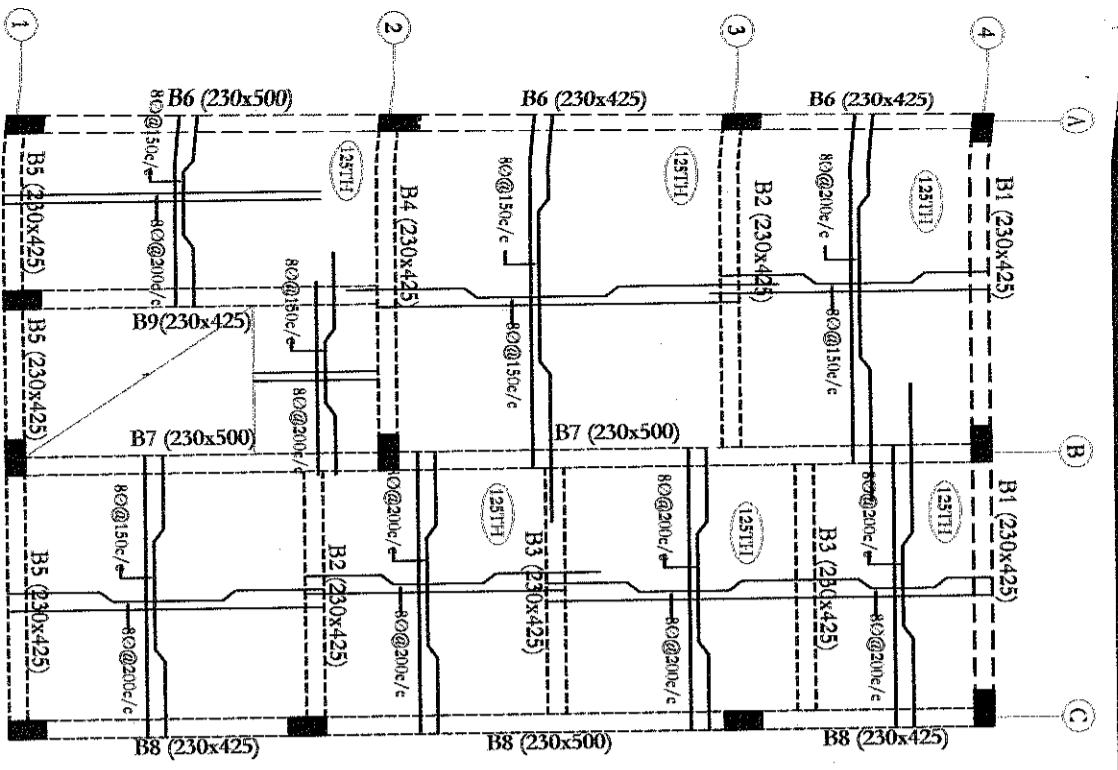
TYPE 'X' (WEST DETACHED) (OPTION-2)

Pic Nos	No Of Piles
66 TO 67	14
68 TO 79	14
TOTAL	28



Structural Engineer's Signature :

M. Dattatraya Patil
M. Dattatraya PATIL RAO
CHMC License No.134/ENGINEER
CHMC License No.134



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF THE SOIL IS TAKEN AS PER SOIL REPORT 300 KN/m²
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL, 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL, UPTO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI S/O SRI. SATISH MODI

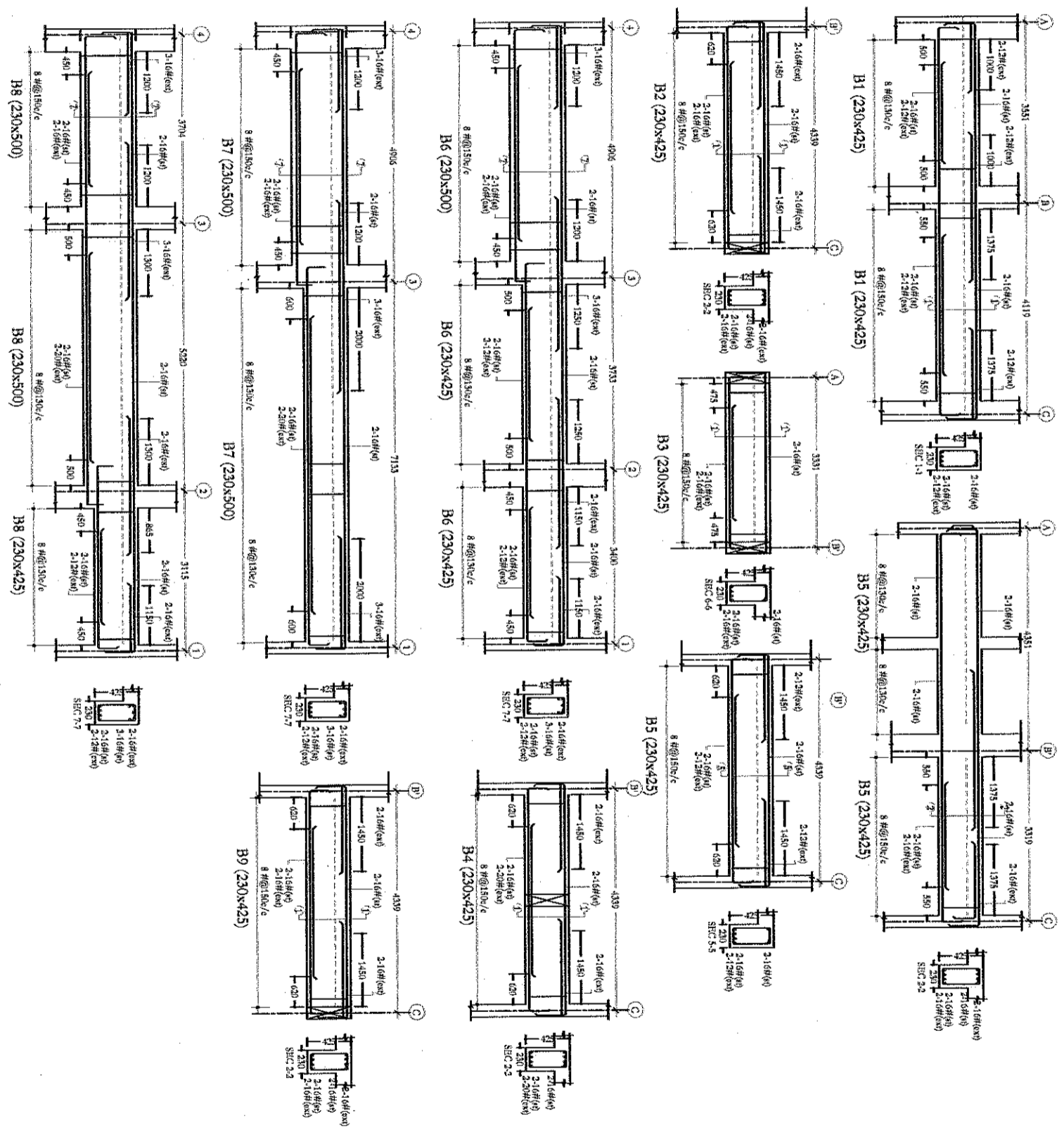
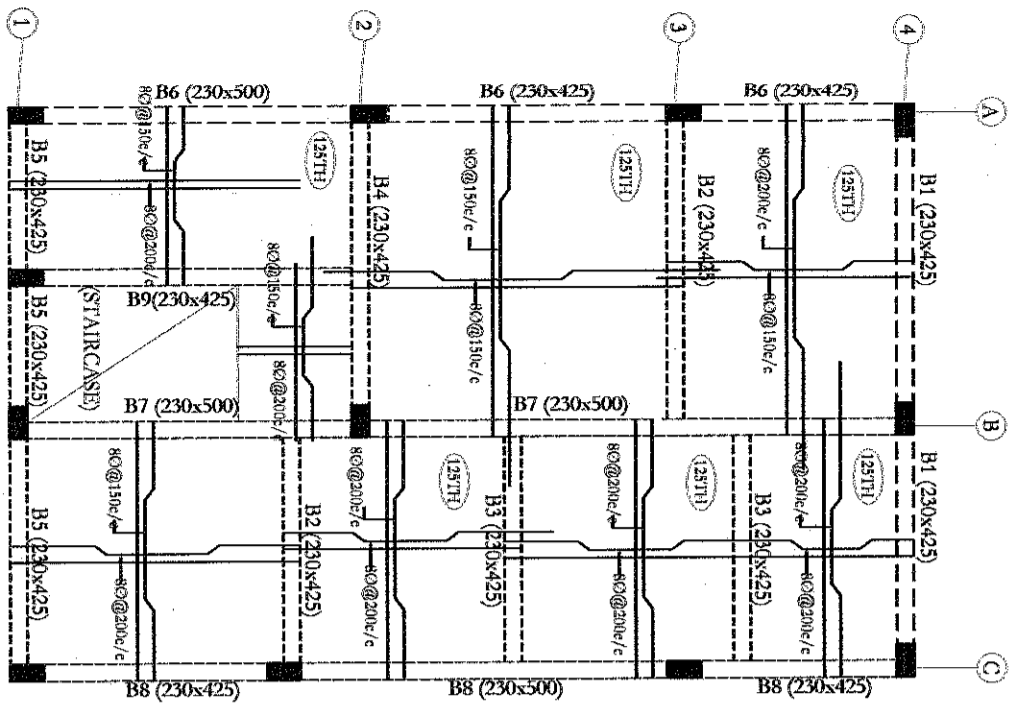
TYPE - 'A' (WEST) DETACHED (OPTION-2)	
Plot Nos	No. Of Plots
38 TO 51	14
66 TO 79	14
TOTAL	28



Structural Engineer's Signature :

M. Dattaraj P. Tatari Rao

M. Dattaraj P. TATARI RAO
CHIEF ENGINEER, No. 134, ENGINEER
CHINCHOLI, S. NO. 104



- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
 2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
 3. USE FE 500 GRADE TOR STEEL.
 4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
 5. S.B.C OF the soil is taken as per soil report 300 kn/m²
 6. USE FE 500 GRADE TOR STEEL.
 7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
 8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
 9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
 10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
 11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
 12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
 13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
 14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO. 76, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST.

BELONGS TO:
 M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES,
 BOTH REPRESENTED BY ITS MANAGING PARTNER:
 SRI. SOHAM MODI / S/O SRI. SATISH MODI

TYPE: 'A' (WEST DETACHED) (SECTION-1)

Plot No's	No. Of Plots
38 TO 51	14
65 TO 79	14
TOTAL	28

GROUND FLOOR SLAB & BEAM DETAILS

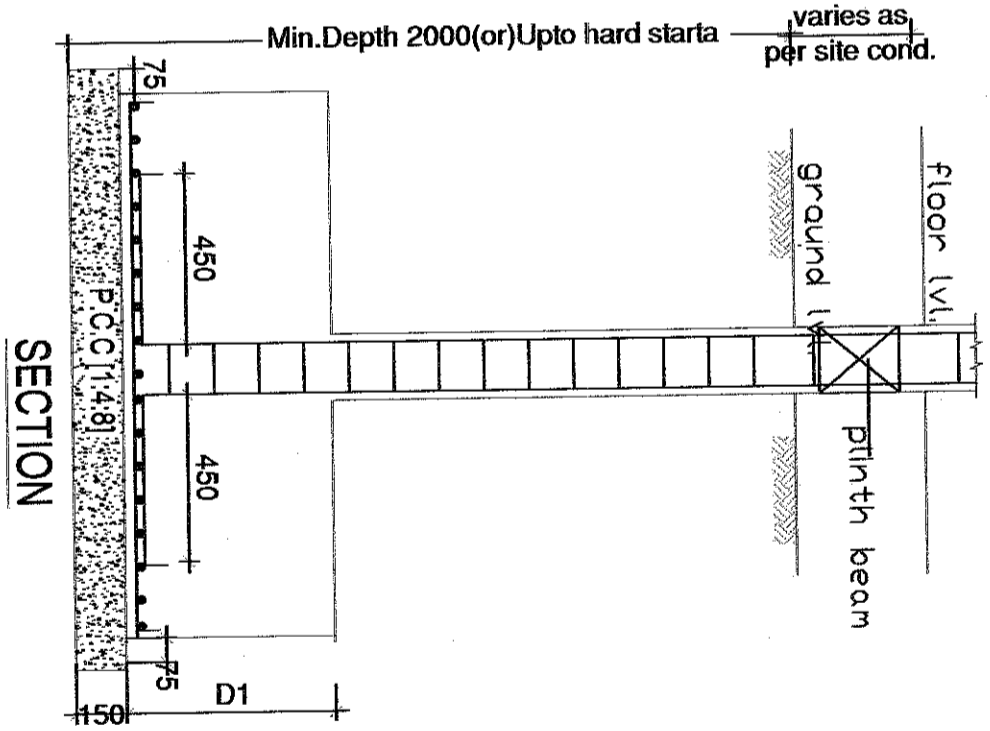
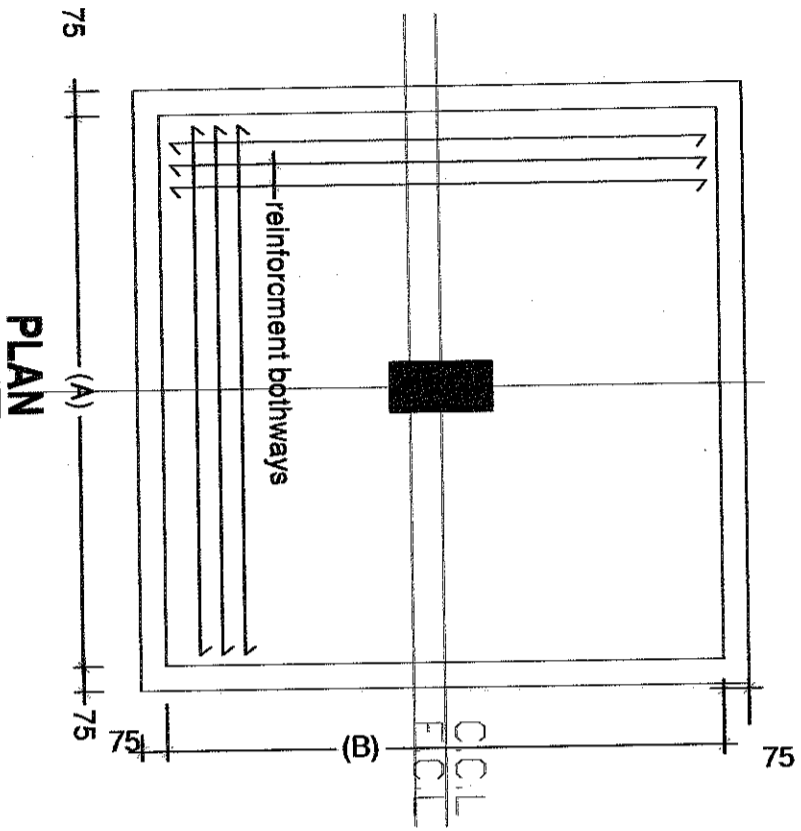
NORTH

Structural Engineer's Signature :

M. Dattatri Rao

M. Dattatri Rao
 STRUCTURAL ENGINEER
 GHMC License No. 134
 No. 134

COLUMN SECTION DETAILS				FOOTING DETAILS						
TYPE	MIX	COLUMN SIZE	SECTION	REINFORCEMENT	SNO	FOOT SIZE	A	B	D1	REINFORCEMENT
C1	M25	230X450		#8nos-20Ø 8Ø@200 c/c 2-ties	1	F 1	2100	2100	750	12Ø@125c/c bothways
C2	M25	230X450		#4nos-20Ø +4-16Ø 8Ø@200 c/c 2-ties	2	F 2	1800	1800	600	12Ø@150c/c bothways
C3	M25	230X450		#8nos-16Ø 8Ø@200 c/c 2-ties	3	F 3	1500	1500	450	10Ø@150c/c bothways



SECTION

PLAN

GENERAL NOTES

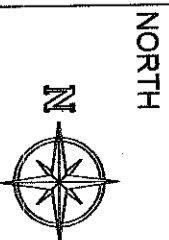
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF the soil is taken as per soil report 300 kn/m²/sq
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO:
M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER:
SRI. SOHAM MODI S/O SRI. SATISH MODI

Plot No	No. Of Plots
23 TO 37	15
52 TO 65	14
TOTAL	29

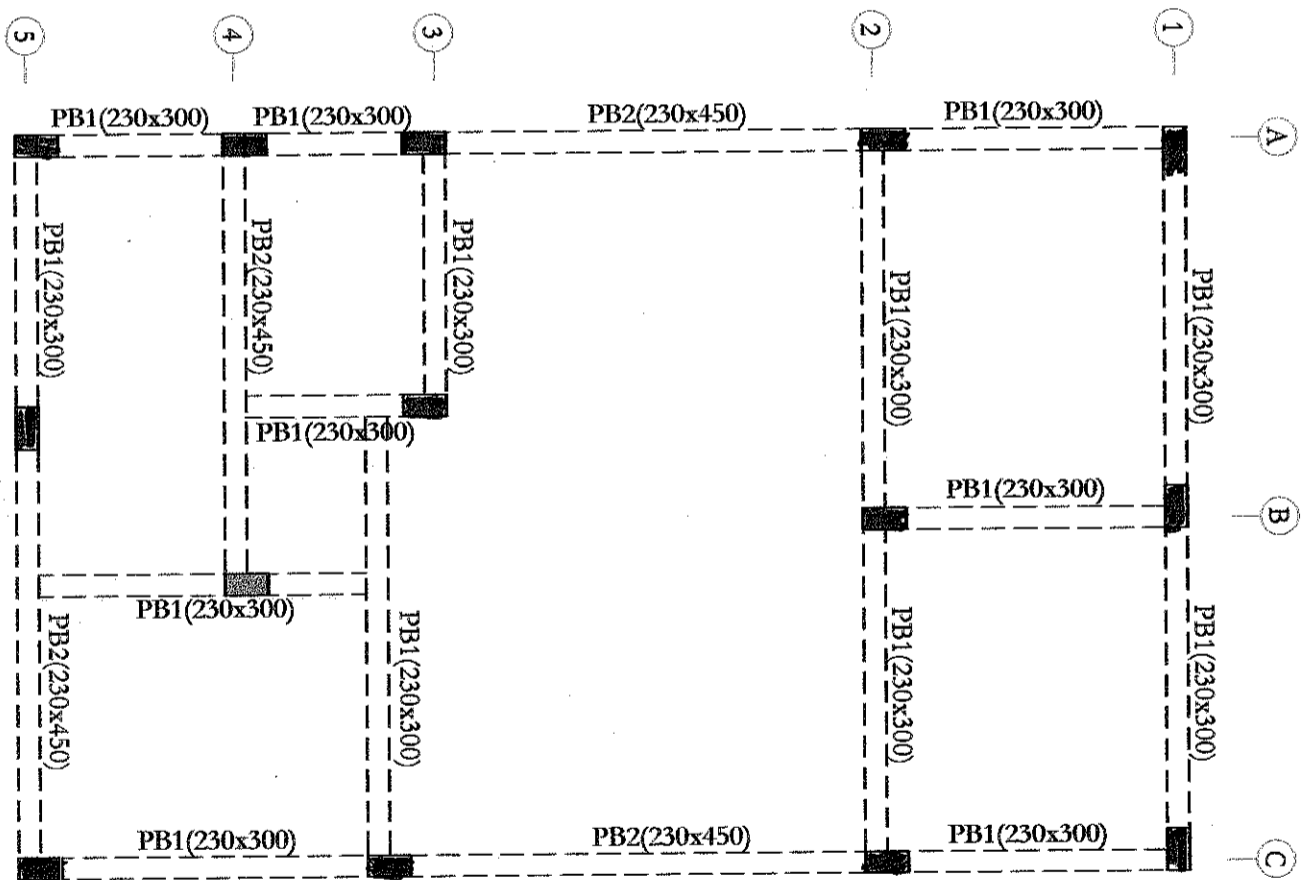
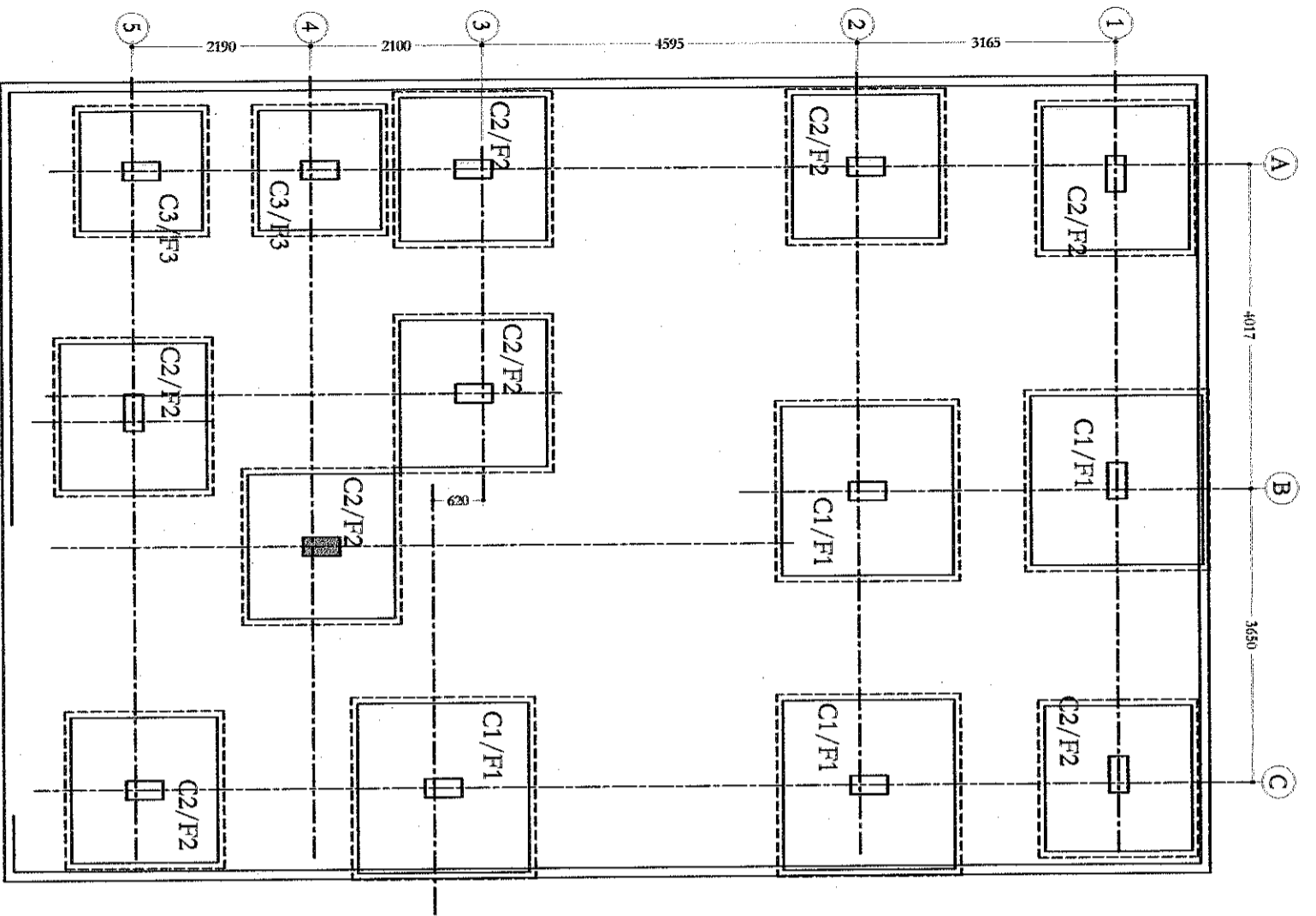
COLUMN & FOOTING SECTION DETAILS



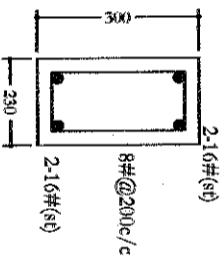
Structural Engineer's Signature :

M. Dattatri Rao

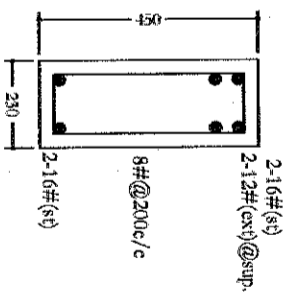
M. Dattatri Rao
CHMC License No. 1341 RAO
STRUCTURAL ENGINEER
CHMC Ls. No.: 134



PLINTH BEAM LAY-OUT



SEC : PB1 (230x300)



SEC : PB2 (230x450)

GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF THE SOIL IS TAKEN AS PER SOIL REPORT: 300 kN/m²
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL: 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R. R. DIST.

BELONGS TO:
M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER:
SRI. SOHAM MODI, S/O SRI. SATISH MODI

TYPE: 'X' (EAST) DETACHED (OPTION-1/2)

Pile No	No. Of Pile
23 TO 37	15
62 TO 85	14
TOTAL	29

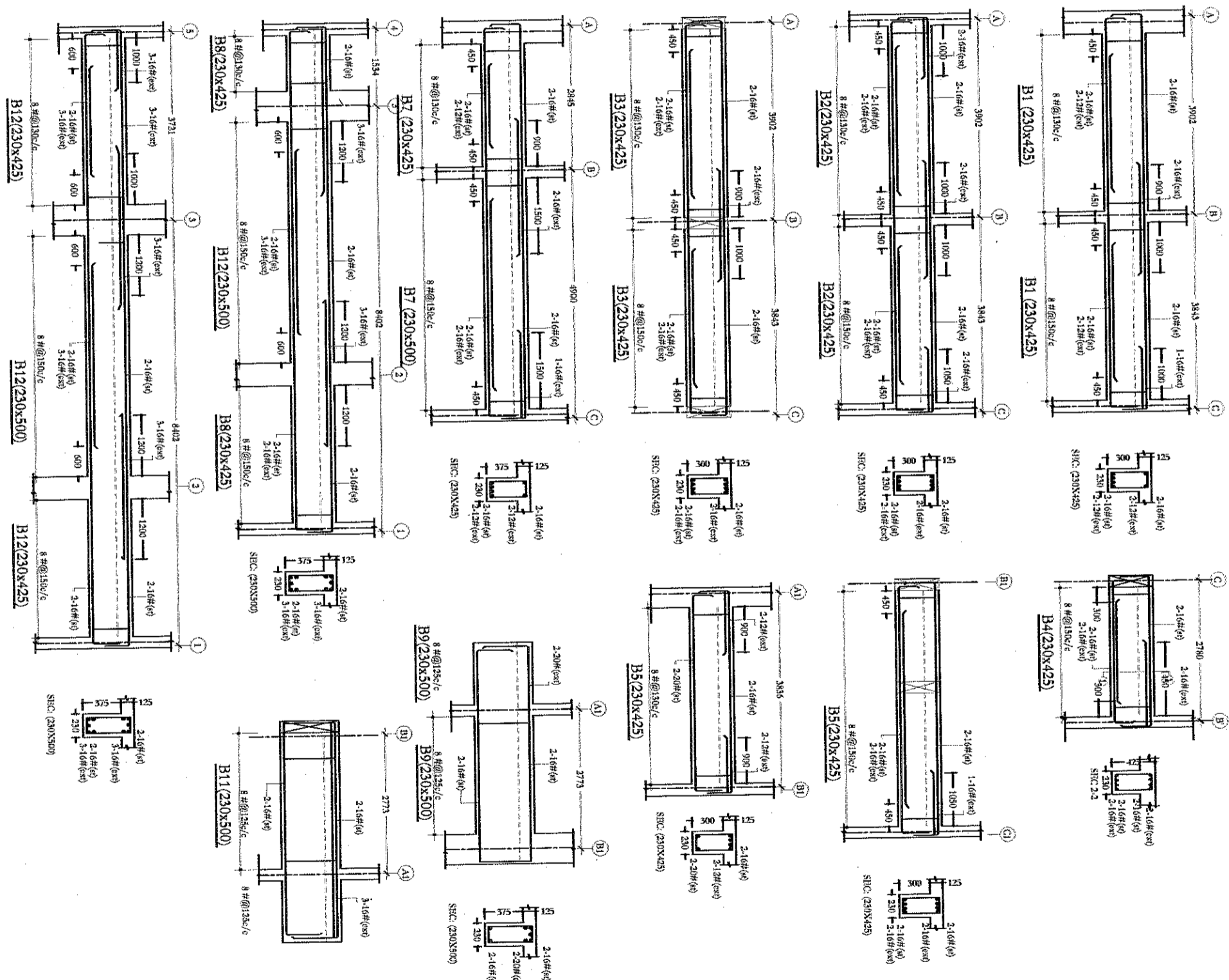
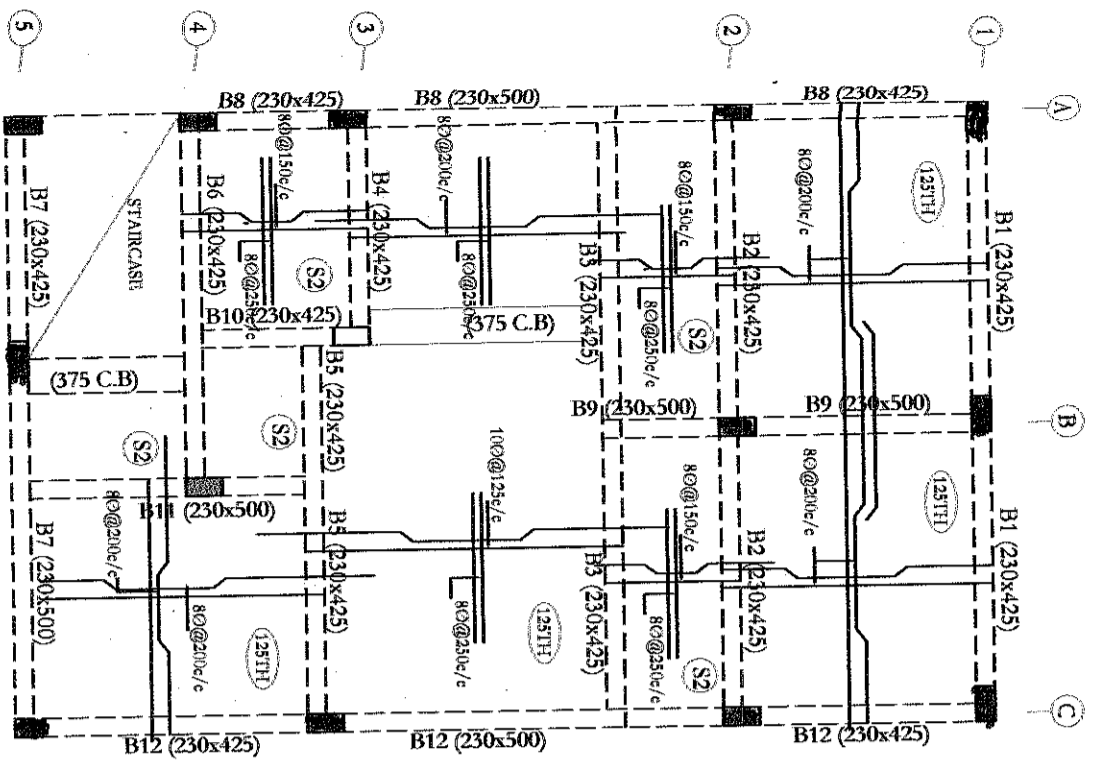
COLUMN & FOOTING SECTION DETAILS

NORTH



Structural Engineer's Signature :

M. Dattaraj Rao
GHM/CLD/2024/NO. 134/37/1 RAO
STRUCTURAL ENGINEER
GHM/CLD/NO. 134



- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
 2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
 3. USE FE 500 GRADE TOR STEEL.
 4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
 5. S.B.C OF the soil is taken as per soil report 300 kn/m²sq
 6. USE FE 500 GRADE TOR STEEL.
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 13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
 14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO : M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER : SRI. SOHAM MODI / S/O SRI. SATISH MODI

TYPE - A / (EAST DETACHED) (OPTION - 2)

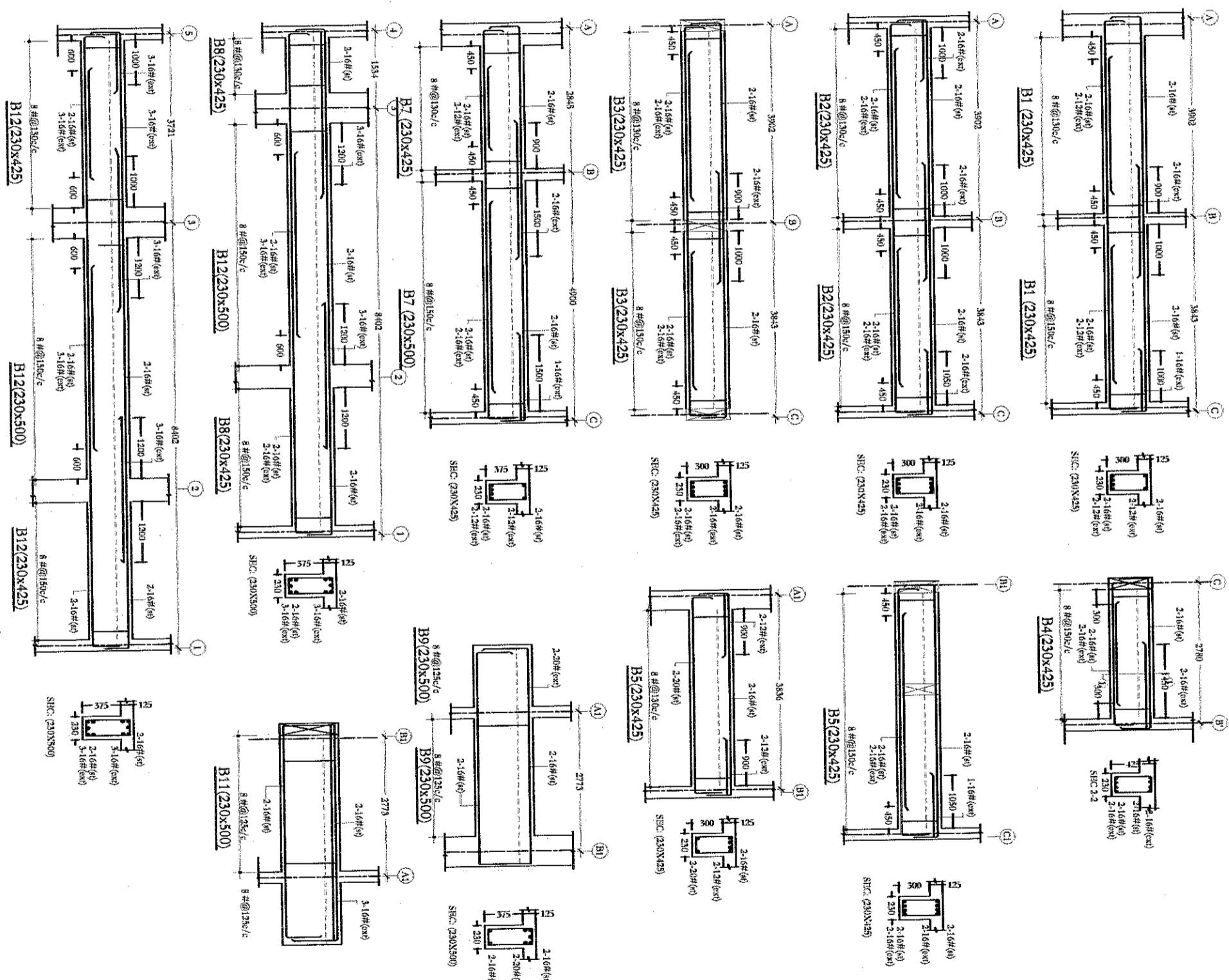
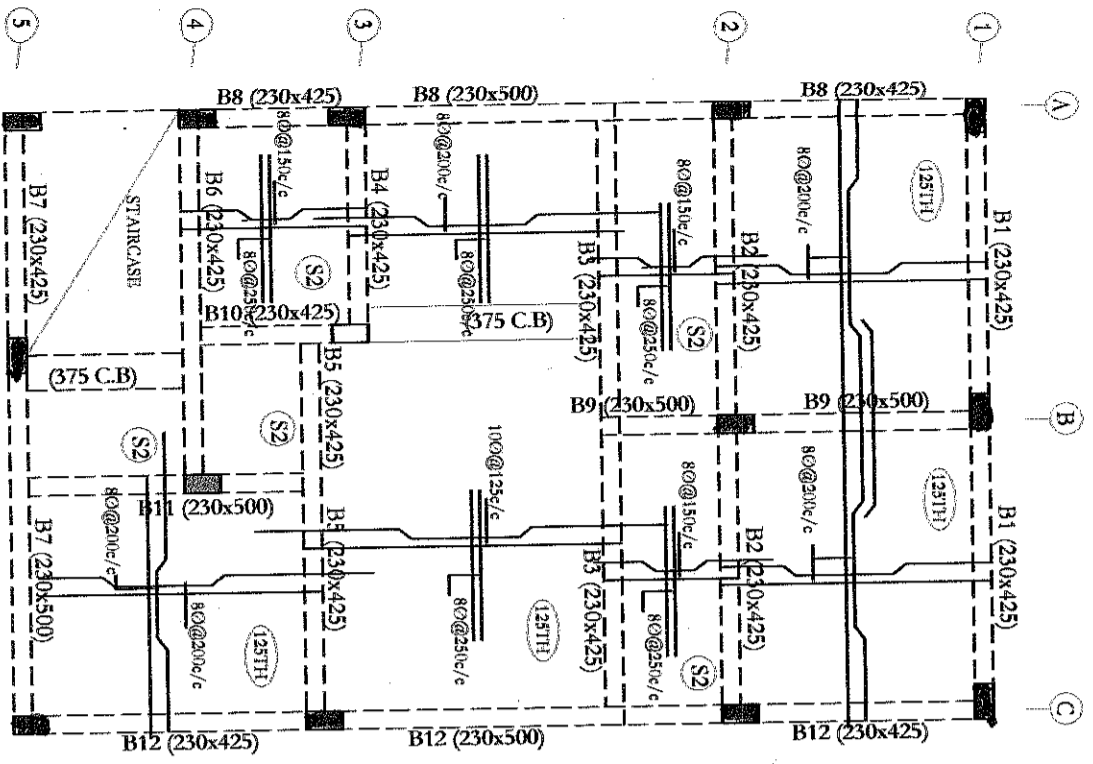
FIG NO	NO OF FLOOR
28 TO 37	15
38 TO 45	14
TOTAL	29

GROUND FLOOR SLAB & BEAM DETAILS

NORTH

Structural Engineer's Signature : *[Signature]*

M. Datatr RAO
 CHMC License No. 134
 STRUCTURAL ENGINEER
 CHMC IS. NO. 134



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF THE SOIL IS TAKEN AS PER SOIL REPORT 300 km/m²
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMN, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
9. IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
11. LAP LENGTH 48 D (D- IS THE DIA OF THE BAR) IN COMPRESSION.
12. LAP LENGTH 52 D (D- IS THE DIA OF THE BAR) IN TENSION.
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY.NO. 75,77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R. R. DIST.

BELONGS TO:
M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES,
BOTH REPRESENTED BY ITS MANAGING PARTNER:
SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPE - X (EAST) DETACHED (OPTION 2)

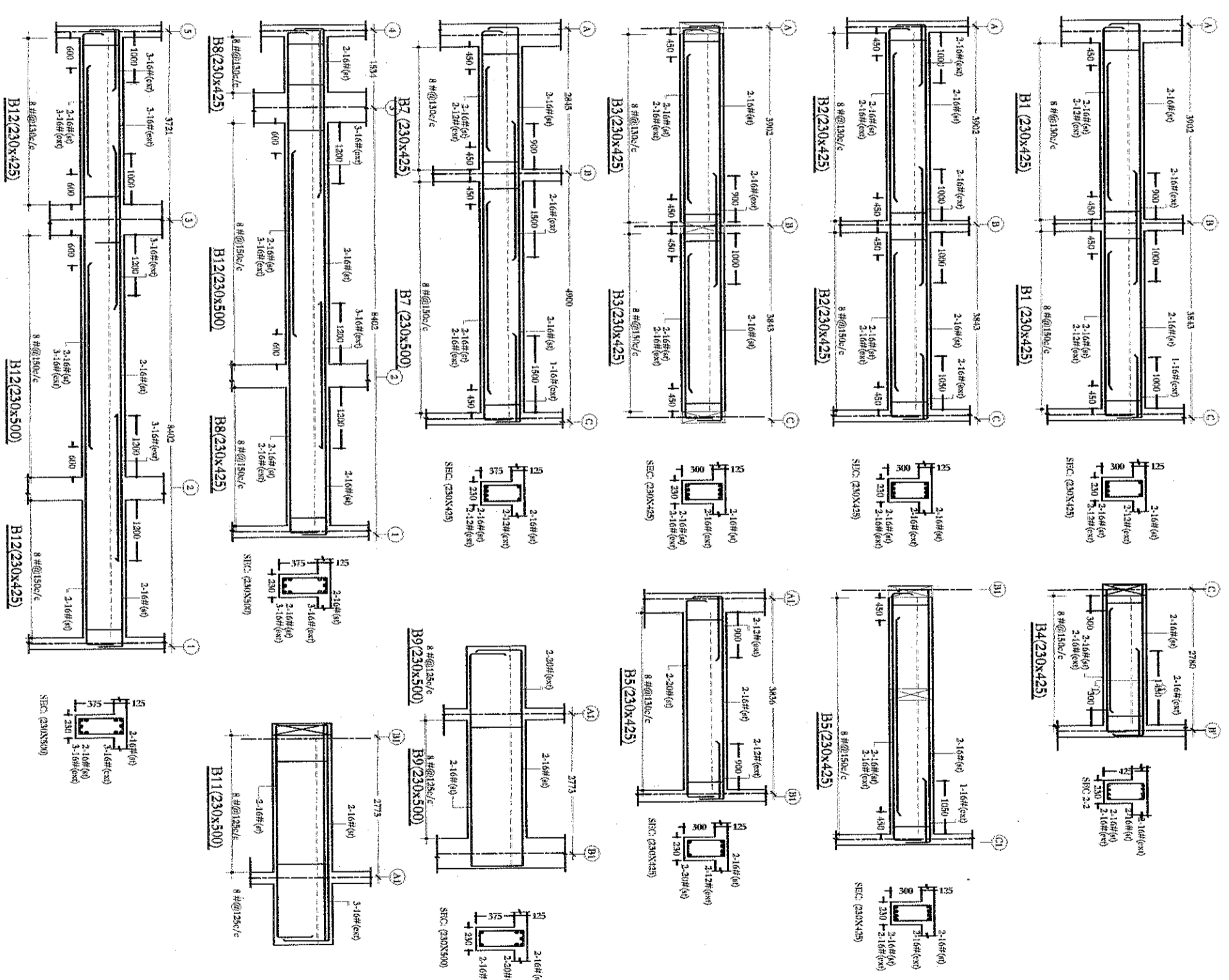
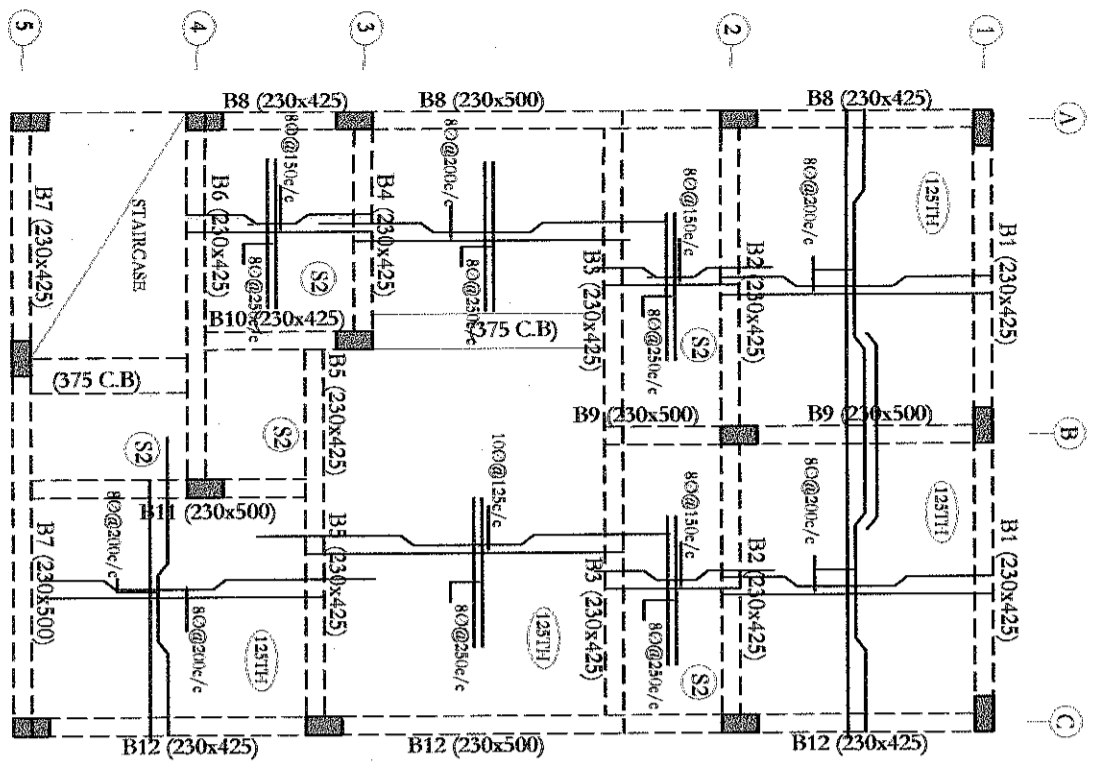
PLAN NO.	NO. OF FLOOR
23 TO 27	15
28 TO 31	14
TOTAL	29

FIRST FLOOR SLAB & BEAM DETAILS

NORTH

Structural Engineer's Signature :

(Signature)
M. Dattatraya Rao
 CIVIL ENGINEER
 GHMC License No. 134



GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX),
3. USE FE 500 GRADE FOR STEEL,
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR,
5. S.B.C OF the soil is taken as per soil report 300 kn/m²
6. USE FE 500 GRADE FOR STEEL,
7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS,
8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS,
9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT,
10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS,
11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) INCOMPRESSION,
12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION,
13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3,
14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :
M/s. MODI & MODI CONSTRUCTIONS & W/s. NILGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI / S/O SRI. SATISH MODI

TYPE - AT LEAST DETACHED (OPTION - 1)

PARTS	No. OF PARTS
23 TO 27	15
28 TO 35	14
TOTAL	29

GROUND FLOOR
SLAB &
BEAM DETAILS

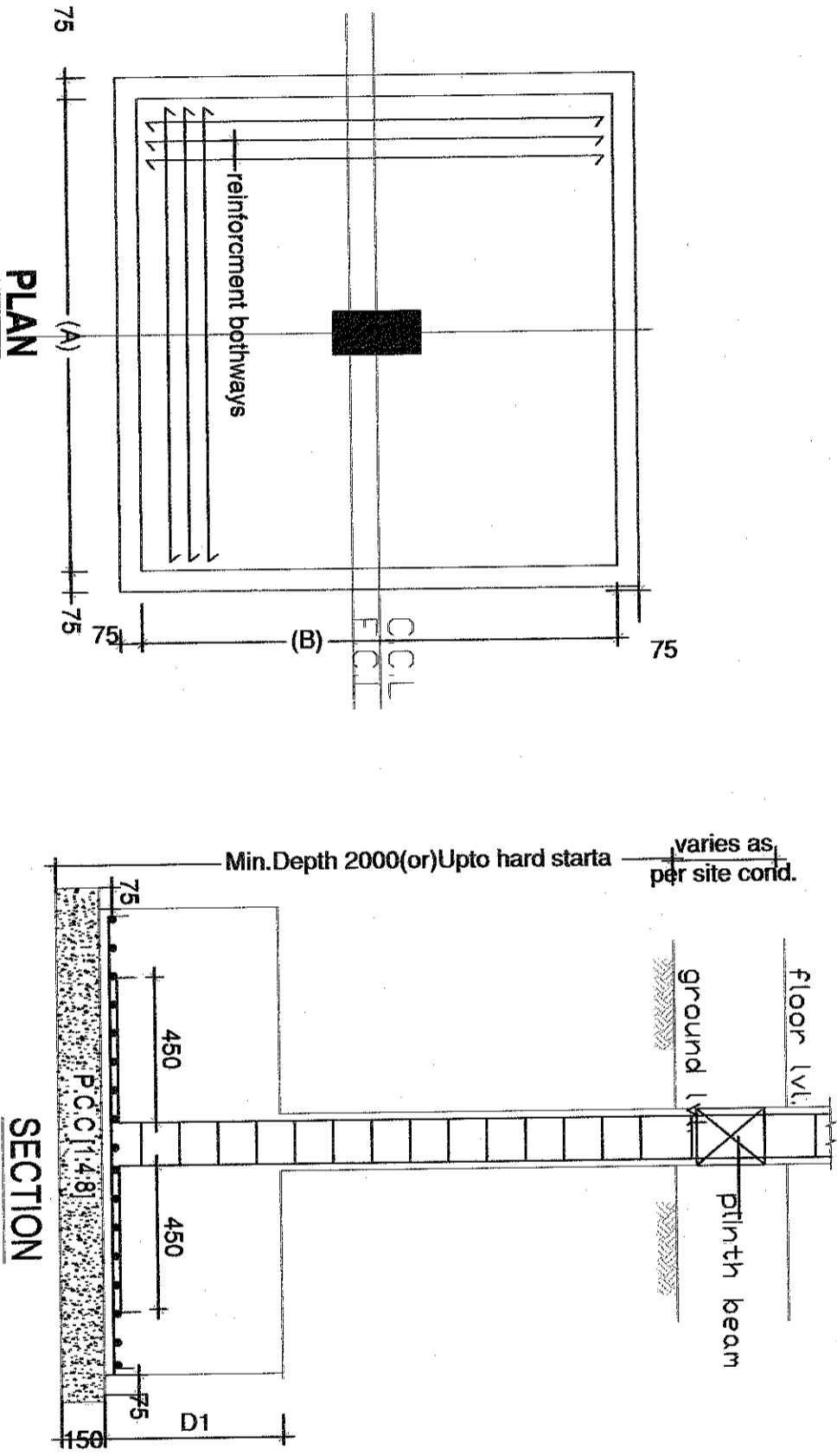
Structural Engineer's Signature :

M. Dattatri Rao

M. Dattatri Rao
GHMC License No. A34RI RAO
STRUCTURAL ENGINEER
GHMC License No.: 134



COLUMN SECTION DETAILS				FOOTING DETAILS						
TYPE	MIX	COLUMN SIZE	SECTION	REINFORCEMENT	Sno	FOOT SIZE	A	B	D1	REINFORCEMENT
C1	M25	230X600		#10nos-20Ø 8Ø@200 c/c 2-ties	1	F 1	2100	2100	750	12Ø@125c/c bothways
C2	M25	230X450		#8nos-20Ø 8Ø@200 c/c 2-ties	2	F 2	1800	1800	600	12Ø@150c/c bothways



GENERAL NOTES

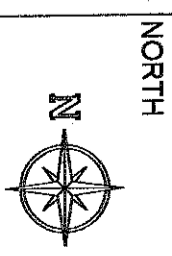
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
2. USE FE 500 GRADE TOR STEEL.
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF the soil is taken as per soil report 300 kn/m²sq
6. USE FE 500 GRADE TOR STEEL.
7. PROVIDE CLEAR COVER TO STEEL: 40mm FOR COLUMNS, 50mm FOR FOOTINGS, 25mm BEAMS AND 20mm FOR SLABS.
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13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY. NO : 75.77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST.

BELONGS TO :
M/s. MODI & MODI CONSTRUCTIONS & M/s. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPE	NO. (WEST)	SEMI DETACHED	(OPTION -1&2)
Plot No	No. Of Plots		
01 TO 22	22		

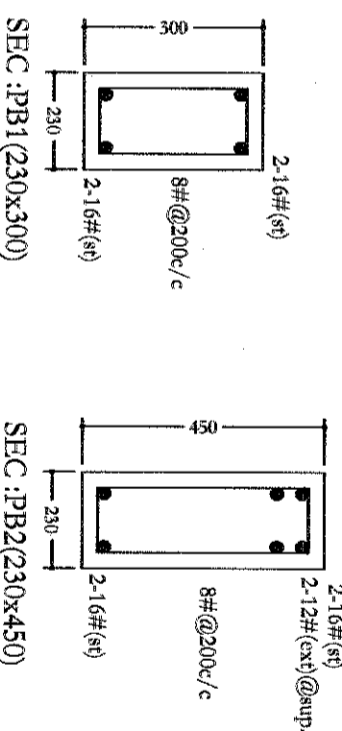
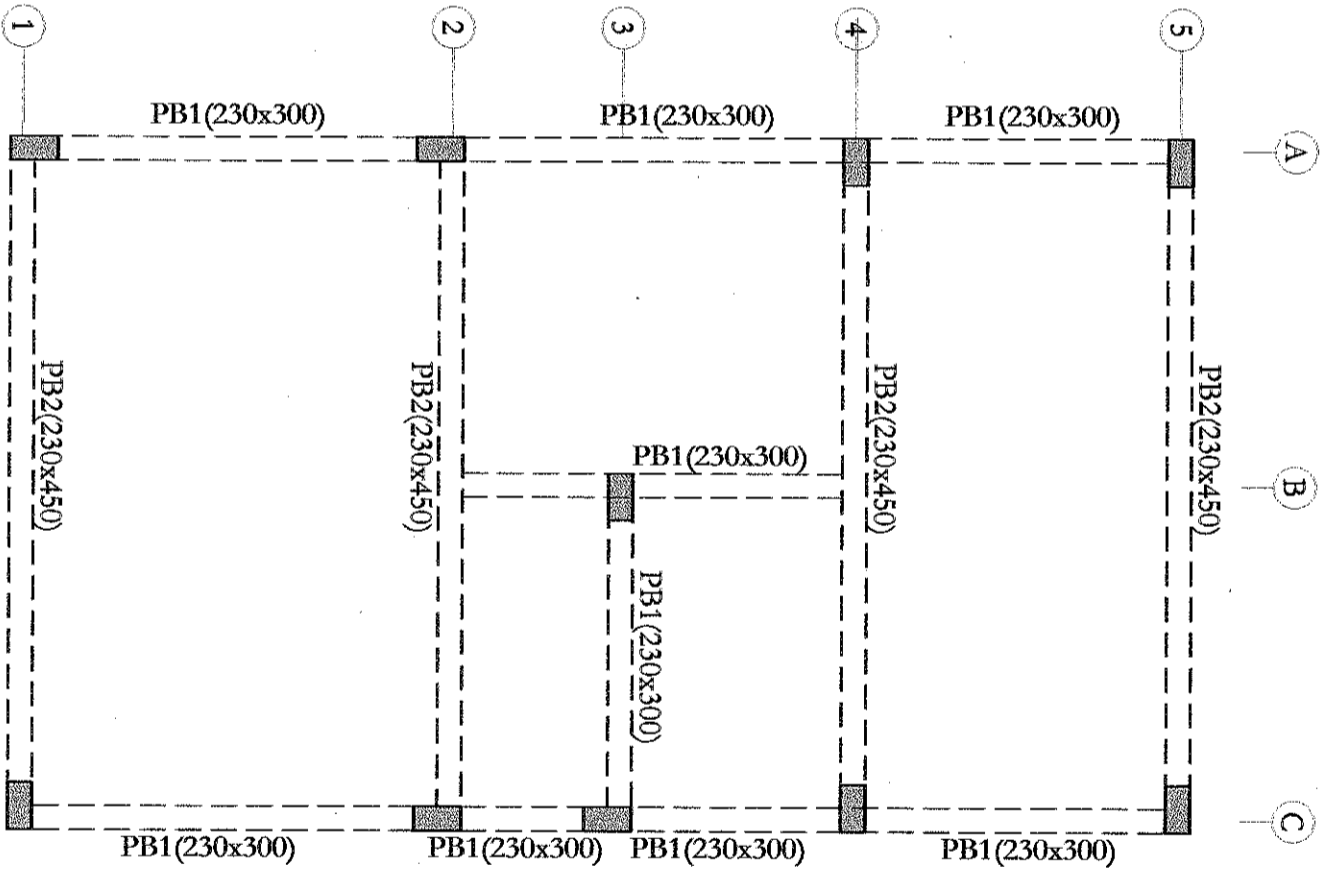
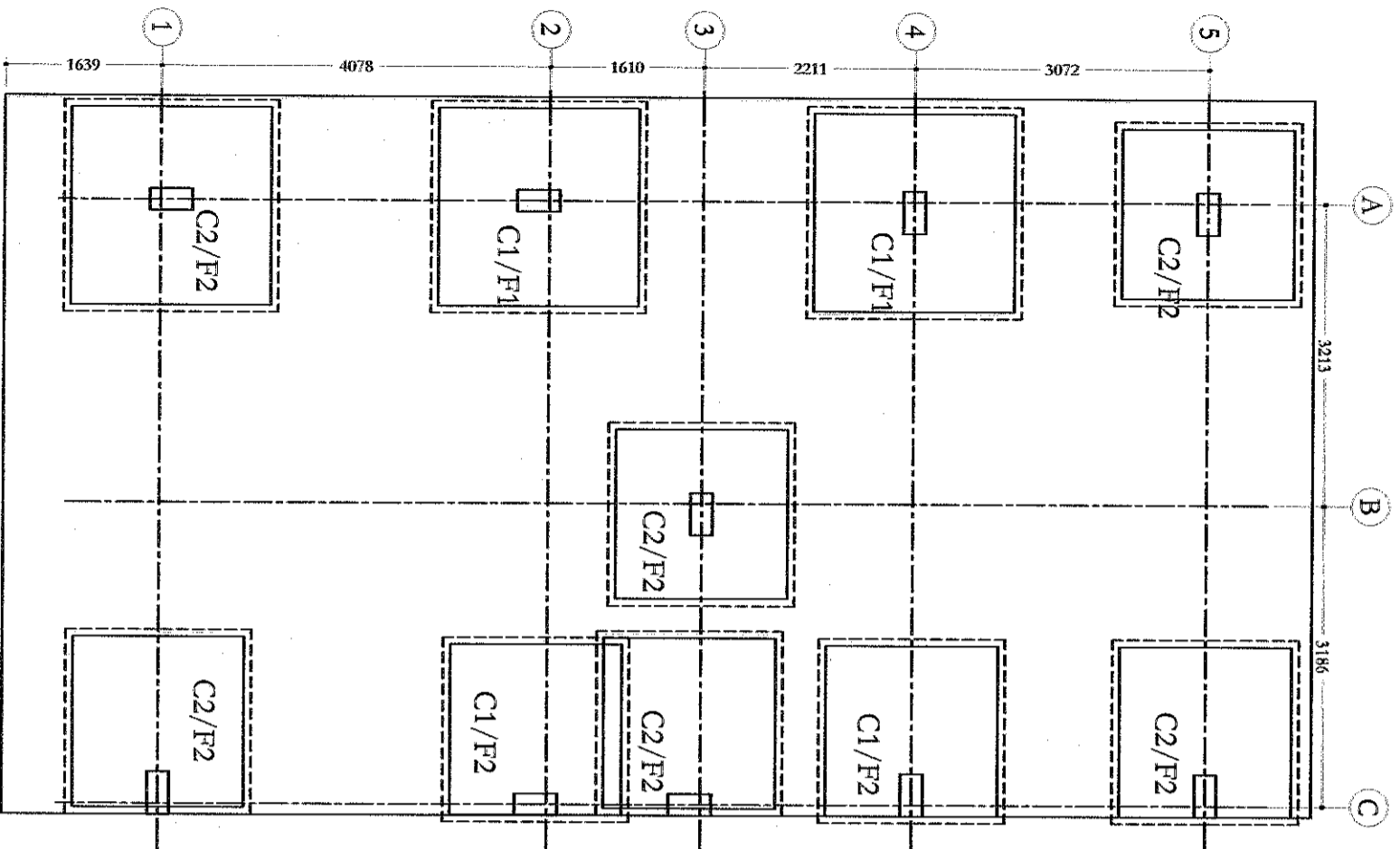
COLUMN & FOOTING SECTION DETAILS



Structural Engineer's Signature :

M. Dattaraj Rao

M. Dattaraj Rao
GHMCL S. No. 134
STRUCTURAL ENGINEER
GHMCL S. No.: 134



- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS, BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
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 13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
 14. ALL THE DIMENSIONS ARE IN MILLIMETERS.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75, 77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R. DIST.

BELONGS TO :
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPE - 'B' (WEST) SEMI DETACHED (OPTION-1&2)

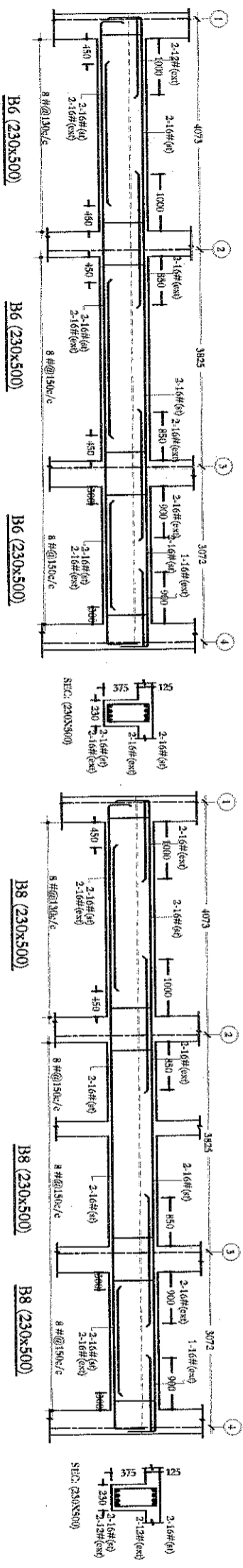
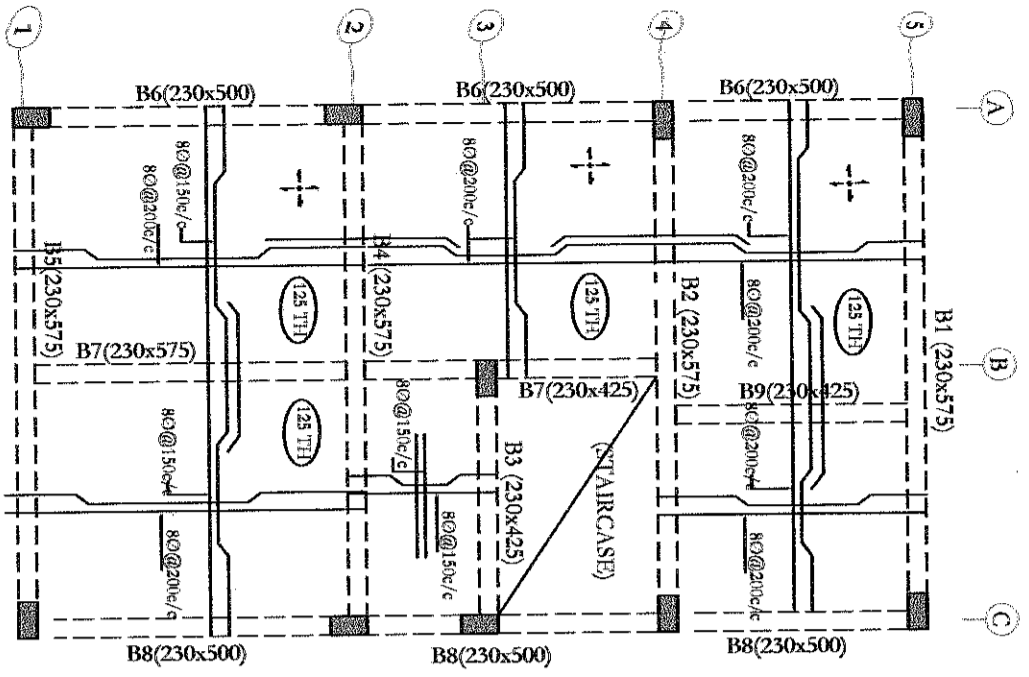
PLOT No's	No. Of Plots
01 TO 22	22

COLUMN CENTER LINE & PLINTH BEAM DETAILS

NORTH

Structural Engineer's Signature :

M. Dattatri Rao
GHMC License No. 134
M. DATTATRI RAO
STRUCTURAL ENGINEER
GHMC L.S. NO.: 134



- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS FOOTINGS,
 2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX),
 3. USE FE 500 GRADE TOR STEEL.
 4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
 5. S.B.C OF THE SOIL IS TAKEN AS PER SOIL REPORT 300 KN/m²
 6. USE FE 500 GRADE TOR STEEL.
 7. PROVIDE CLEAR COVER TO STEEL 40mm FOR COLUMNS 50mm FOR FOOTINGS. 25mm BEAMS AND 20mm FOR SLABS.
 8. PROVIDE 25MM CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
 9. IN SLAB EXTEND -VE STEEL UP TO 0.30L FROM FACE OF SUPPORT.
 10. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLE SUPPORTS.
 11. LAP LENGTH 48 D (D - IS THE DIA OF THE BAR) IN COMPRESSION.
 12. LAP LENGTH 52 D (D - IS THE DIA OF THE BAR) IN TENSION.
 13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
 14. ALL THE DIMENSIONS ARE IN MILLIMETRES.

PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75,77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI S/O SRI. SATISH MODI

Plot No's	No. Of Plots
01 TO 22	22

GROUND FLOOR
SLAB DETAILS



Structural Engineer's Signature :

M. Dattatri Rao

M. Dattatri Rao
GHC License No. 134
M. DATTATRI RAO
STRUCTURAL ENGINEER
GHMCLs. No. 134

GENERAL NOTES

1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
2. BEAMS & SLABS. (RATIO AS PER DESIGN MAX).
3. USE FE 500 GRADE TOR STEEL.
4. FOOTING IS DESIGN FOR GROUND & FIRST FLOOR.
5. S.B.C OF the soil is taken as per soil report 300 kN/m²
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13. DESIGNED FOR ZONE-II EARTHQUAKE LOADS AS PER IS 1893 -2002 & WIND LOADS AS PER IS 875 PART-3.
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PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY.NO : 75,77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R DIST.

BELONGS TO :
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.

BOTH REPRESENTED BY ITS MANAGING PARTNER :
SRI. SOHAM MODI S/O SRI. SATISH MODI

TYPE - 'B' (WEST) SEMI DETACHED		(OPTION - 2)
Plot No's	No. Of Plots	
01 TO 22	22	

FIRST FLOOR
SLAB DETAILS

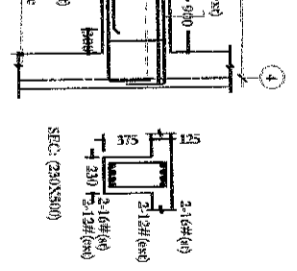
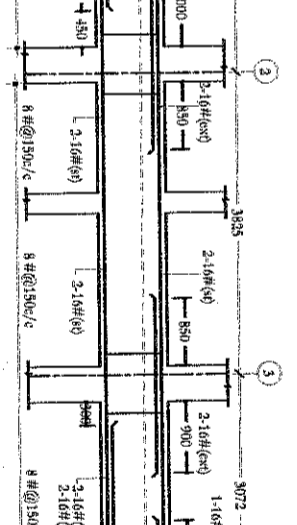
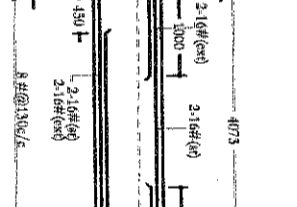
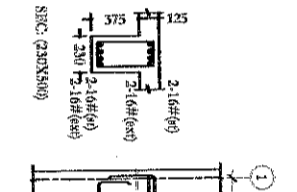
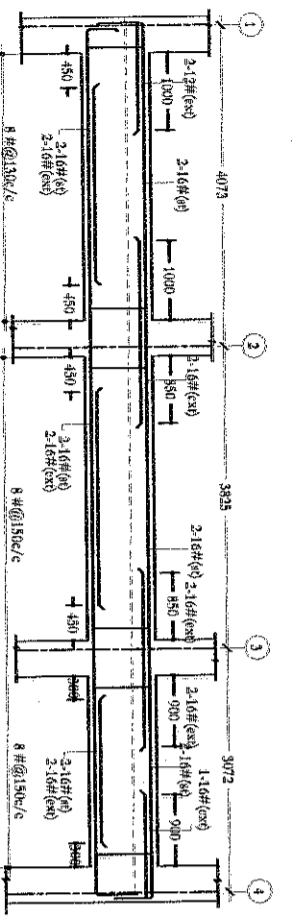
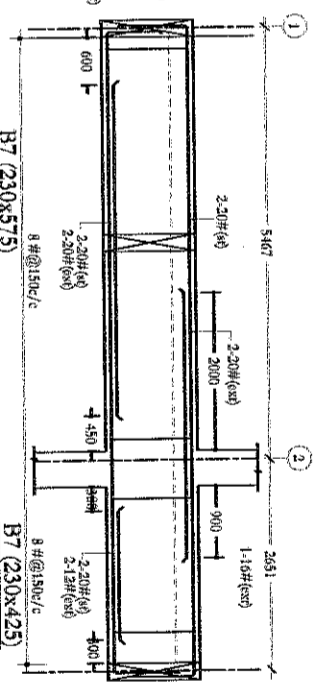
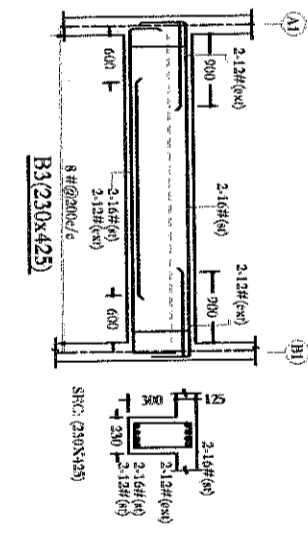
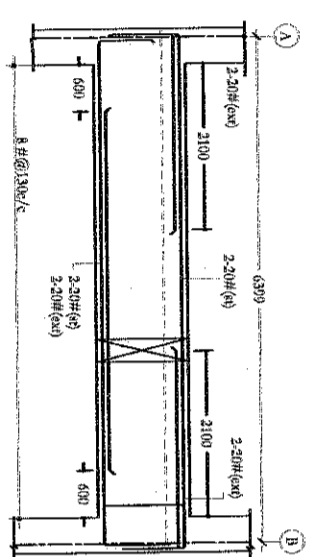
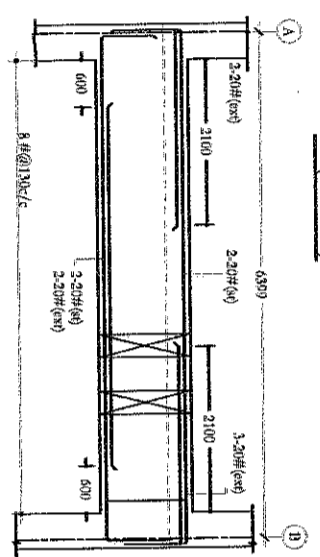
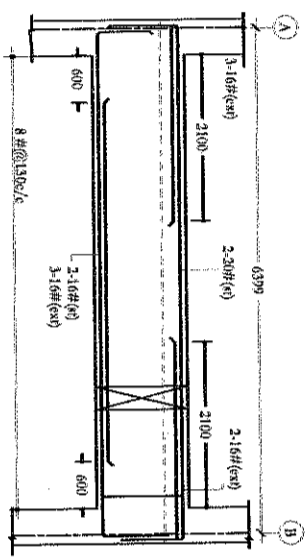
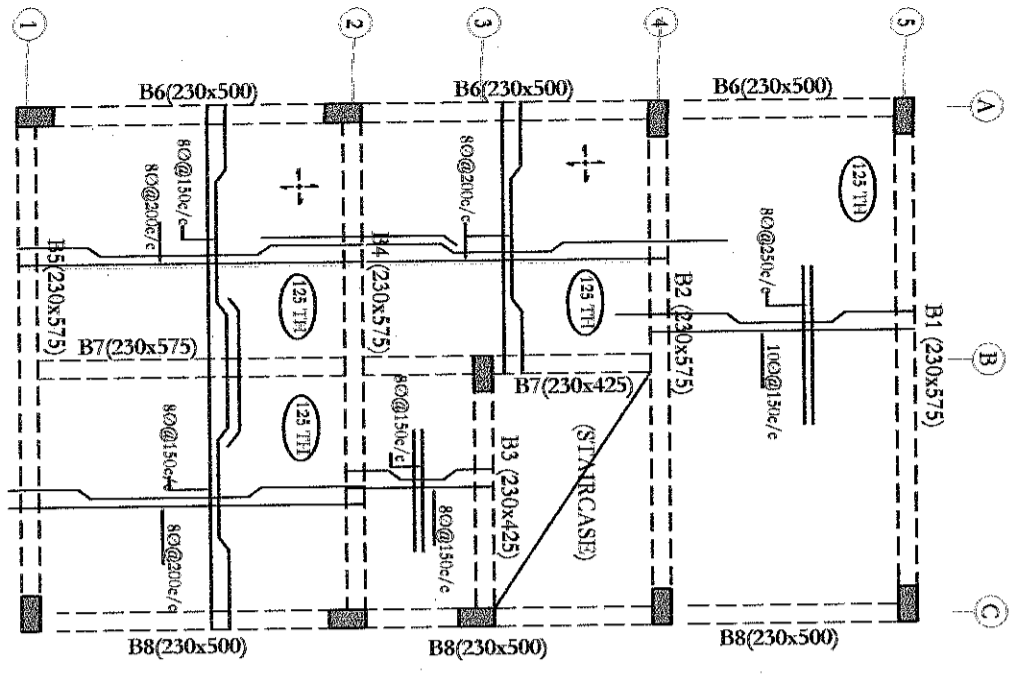


Structural Engineer's Signature :

M. Dattatri Rao

M. Dattatri Rao
GMC License No: 134 RAO
STRUCTURAL ENGINEER
GMCCLs No.: 134

SHEET NO. : 4



- GENERAL NOTES**
1. USE M25 GRADE OF CONCRETE FOR COLUMNS, FOOTINGS,
 2. BEAMS & SLABS. (RATIO AS PER DESIGN MIX).
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PLAN SHOWING THE PROPOSED GROUP HOUSING SCHEME IN SY.NO.: 75,77, 78, 79, 96 & 100/2 OF RAMPALLY VILLAGE, KEESARA MANDAL, R.R.DIST.

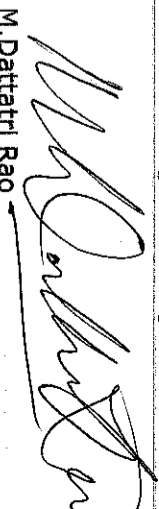
BELONGS TO:
M/S. MODI & MODI CONSTRUCTIONS & M/S. NILGIRI ESTATES.
BOTH REPRESENTED BY ITS MANAGING PARTNER:
SRI. SOHAM MODI / S/O SRI. SATISH MODI

TYPE - 'B' (WEST) SEMI DETACHED (OPTION-1)	
Plot No's	No. Of Plots
01 TO 22	22

GROUND FLOOR SLAB DETAILS

NORTH



Structural Engineer's Signature : 

M. Dattatri Rao
GHMCL/CS/NO. 134/ARI RAO
STRUCTURAL ENGINEER
GHMCLs. No.: 134

