Verified RealEstate™

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

Official Property Record

Digitally Verified Record - Powered by Verified RealEstate™



Ashok vihar
Copy - 1 of 2
(RERA Project)

V.JAGEN
B.E., M.E., (Struct.) M.I.E., A.I.V., M.B.A.
CHARTERED ENGINEER, CONSULTANT
CIVIL & STRUCTURAL, APPROVED VALUER,
CMDA REGN NOS: SE / GR - I / 19 / 03 / 24 , QA / 19 / 04 / 21.
CORPORATION OF CHENNAI , REGN NO: RSE100172019.

FLAT NO:3B, RAMANIYAM GAURAVV 2
BLOCK-2, MODEL SCHOOL ROAD,
SHOLINGANALLUR, CHENNAI –107.
MOBILE : 98412 69154

06/01/2025

CERTIFICATE

IT IS CERTIFIED THAT THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING AT PLOT NO. A-64, PREMIUM FSI NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083. COMPRISED IN OLD S.NO : 223PART, T.S.NO. 5, BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II) MAMBALAM TALUK, GREATER CHENNAI CORPORATION, ZONE : X, DIVISION : 135, IS DESIGNED TO RESIST EARTHQUAKE. CHECK HAS BEEN MADE AND FOUND SAFE AND I HEREBY CERTIFY THAT,

The minimum grade of concrete is M25.

1. The design and analysis using the code of practice for loading Standards as per IS-875 Part I to V and seismic force as per code IS 1893, is carried out.

   The building will be sound and stable when used for the purpose for which it is designed.

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

V.JAGEN
B.E., M.E., (Struct.) M.I.E., A.I.V., M.B.A.
CHARTERED ENGINEER, CONSULTANT
CIVIL & STRUCTURAL, APPROVED VALUER,
CMDA REGN NOS: SE / GR - I / 19 / 03 / 24 , QA / 19 / 04 / 21.
CORPORATION OF CHENNAI , REGN NO: RSE100172019.

FLAT NO:3B, RAMANIYAM GAURAVV 2
BLOCK-2, MODEL SCHOOL ROAD,
SHOLINGANALLUR, CHENNAI –107.
MOBILE : 98412 69154

THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING AT PLOT NO. A-64, PREMIUM FSI NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083. COMPRISED IN OLD S.NO : 223PART, T.S.NO. 5, BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II) MAMBALAM TALUK, GREATER CHENNAI CORPORATION, ZONE : X, DIVISION : 135.

GENERAL NOTE ON STRUCTURAL DESIGN.

1.0 GENERAL.

1.1 DESIGN BASIS

Residential Building having Stilt + 5 Floors.
The design of this building is carried out based on frame analysis using STAAD PRO CONNECT EDITION.

1.2 CODES AND STANDARDS

All structural design is carried out conforming to the provisions in National Building Code of India and other relevant Indian Codes and Standards.

1. I.S. 456 - 2000
2. I.S. 875 - Part I to V
3. I.S.1893 - Part -1: 2016.
4. I.S.13920 : 2016.

2.0 BASIC CIVIL DESIGN LOADS

2.1 DEAD LOADS & LIVE LOADS

Typical slab dead load is calculated as follows

Residential Building

Self weight of slab	=	3 0kN/m²
Floor finish	=	2.0kN/m²
Live load	=	2.0kN/m²
		7.0kN/m²

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

3.0 SOIL DETAILS

Based on Soil Test Report Pile Foundation is adopted.

4.0 DESIGN METHODS

General design and detailing of concrete members/elements are done conforming to the provisions of I.S: 456 and other relevant I.S codes. Limit State method is followed for the design.

Seismic Zone III load is taken into account for the analysis. The predominant direction of vibration is horizontal. Relevant combination of forces has been taken into account. Ductile detailing of Reinforcement as per I.S.13920 - 2016 is considered.

4.1

Load Combination	Ultimate Limit Load	Serviceability Limit State
DL+LL+WL Or DL+LL+EL	1.2DL+1.2LL+1.2WL Or 1.2DL+1.2LL+1.2EL	DL+LL+WL Or DL+LL+EL

4.2.1 MINIMUM COVER

Slab	15 mm
Beam	25 mm
Columns	40 mm
Foundations	50 mm

Structure will be sound and stable when used for the purpose for which it is designed.

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
**************************************************
*                                                *
*           STAAD.Pro 2023                       *
*           Version  23.00.03.25                 *
*           Proprietary Program of               *
*           Bentley Systems, Inc.                *
*           Date=    NOV 29, 2024                *
*           Time=    16:22:32                    *
*                                                *
*  Licensed to: Ramaniyam Real Estates Pvt Ltd   *
**************************************************
```

```
    1. STAAD SPACE
INPUT FILE: F:\Ramaniyam\Ramaniyam stadd\RRE STAAD 2024\Ashok Vihar\Ashok Vihar Final.STD
    2. START JOB INFORMATION
    3. ENGINEER DATE 15-NOV-24
    4. *PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS
    5. *(HEIGHT-18.30M)RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM
    6. *FSI AT PLOT NO. A-64,NEW DOOR NO.21/1 TO 16,OLD DOOR NO.20/1 TO 16,ASHOK VIHAR
    7. *APARTMENTS, 11TH AVENUE,ASHOK NAGAR, CHENNAI-600 083.COMPRISED IN OLD
    8. *S.NO:223 PART, T.S.NO.5, BLOCK NO:72 OF KODAMBAKKAM VILLAGE,(PART-II)
    9. *MAMBALAM TALUK,GREATER CHENNAI CORPORATION, ZONE:X, DIVISION NO -135.
   10. END JOB INFORMATION
   11. INPUT WIDTH 79
   12. UNIT METER KN
   13. JOINT COORDINATES
   14. 1 0 0 0; 2 3.5 0 0; 3 7.04 0 0; 4 10.38 0 0; 5 0 0 3.52; 6 7.04 0 3.52
   15. 7 10.38 0 3.52; 8 0 0 7.12; 9 1.9 0 7.12; 10 8.35 0 7.12; 11 10.38 0 7.12
   16. 12 0 0 9.48; 13 1.9 0 9.48; 14 8.35 0 9.48; 15 10.38 0 9.48; 16 0 0 12.25
   17. 17 2.31 0 12.25; 18 9.16 0 12.25; 19 10.38 0 12.25; 20 0 0 20.35
   18. 21 2.31 0 20.35; 22 8.54 0 20.35; 23 10.38 0 20.35; 24 0 0 23.95
   19. 25 1.9 0 23.95; 26 8.54 0 23.95; 27 10.38 0 23.95; 28 0 0 26.31
   20. 29 1.9 0 26.31; 30 8.54 0 26.31; 31 10.38 0 26.31; 32 0 0 31.93
   21. 33 2.31 0 31.93; 34 8.54 0 31.93; 35 10.38 0 31.93; 36 0 1 0; 37 3.5 1 0
   22. 38 7.04 1 0; 39 10.38 1 0; 40 0 1 3.52; 41 7.04 1 3.52; 42 10.38 1 3.52
   23. 43 0 1 7.12; 44 1.9 1 7.12; 45 8.35 1 7.12; 46 10.38 1 7.12; 47 0 1 9.48
   24. 48 1.9 1 9.48; 49 8.35 1 9.48; 50 10.38 1 9.48; 51 0 1 12.25; 52 2.31 1 12.25
   25. 53 9.16 1 12.25; 54 10.38 1 12.25; 55 0 1 20.35; 56 2.31 1 20.35
   26. 57 8.54 1 20.35; 58 10.38 1 20.35; 59 0 1 23.95; 60 1.9 1 23.95
   27. 61 8.35 1 23.95; 62 10.38 1 23.95; 63 0 1 26.31; 64 1.9 1 26.31
   28. 65 8.35 1 26.31; 66 10.38 1 26.31; 67 0 1 31.93; 68 2.31 1 31.93
   29. 69 8.54 1 31.93; 70 10.38 1 31.93; 71 0 4.1 0; 72 3.5 4.1 0; 73 7.04 4.1 0
   30. 74 10.38 4.1 0; 75 0 4.1 3.52; 76 7.04 4.1 3.52; 77 10.38 4.1 3.52
   31. 78 0 4.1 7.12; 79 1.9 4.1 7.12; 80 8.35 4.1 7.12; 81 10.38 4.1 7.12
   32. 82 0 4.1 9.48; 83 1.9 4.1 9.48; 84 8.35 4.1 9.48; 85 10.38 4.1 9.48
   33. 86 0 4.1 12.25; 87 2.31 4.1 12.25; 88 9.16 4.1 12.25; 89 10.38 4.1 12.25
   34. 90 0 4.1 20.35; 91 2.31 4.1 20.35; 92 8.54 4.1 20.35; 93 10.38 4.1 20.35
   35. 94 0 4.1 23.95; 95 1.9 4.1 23.95; 96 8.54 4.1 23.95; 97 10.38 4.1 23.95
   36. 98 0 4.1 26.31; 99 1.9 4.1 26.31; 100 8.54 4.1 26.31; 101 10.38 4.1 26.31
   37. 102 0 4.1 31.93; 103 2.31 4.1 31.93; 104 8.54 4.1 31.93; 105 10.38 4.1 31.93
   38. 106 2.31 1 9.48; 107 8.35 1 12.25; 108 7.04 1 7.12; 109 0 1 4.15
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

39. 110 7.04 1 4.15; 111 3.5 1 4.15; 112 6.25 1 4.15; 113 6.25 1 0
40. 114 9.16 1 20.35; 115 2.31 1 23.95; 116 2.31 1 26.31; 117 8.54 1 26.31
41. 119 8.54 1 23.95; 120 0 1 33.43; 121 2.31 1 33.43; 122 8.54 1 33.43
42. 123 10.38 1 33.43; 124 3.5 4.1 3.52; 125 3.5 4.1 1.05; 126 7.04 4.1 1.05
43. 127 5.27 4.1 3.52; 128 5.27 4.1 1.05; 129 4.25 4.1 1.05; 130 4.25 4.1 0
44. 131 6.16 4.1 1.05; 132 6.16 4.1 0; 133 7.94 4.1 7.12; 134 7.94 4.1 3.52
45. 135 5.27 4.1 7.12; 136 6.73 4.1 9.48; 137 6.73 4.1 7.12; 138 6.73 4.1 26.31
46. 139 6.73 4.1 23.95; 140 1.22 4.1 7.12; 141 1.22 4.1 3.52; 142 7.94 4.1 5.76
47. 143 10.38 4.1 5.76; 144 2.59 4.1 9.48; 145 3.34 4.1 9.48; 146 4.09 4.1 9.48
48. 147 2.59 4.1 8.69; 148 3.34 4.1 8.69; 149 4.09 4.1 8.69; 150 1.9 4.1 8.69
49. 151 2.31 4.1 9.48; 152 0 4.1 10.61; 153 2.31 4.1 10.61; 154 9.16 4.1 9.48
50. 155 5.14 4.1 12.25; 156 5.14 4.1 9.48; 157 3.37 4.1 12.25; 158 3.37 4.1 20.35
51. 159 7.04 4.1 20.35; 160 7.04 4.1 12.25; 161 3.37 4.1 17.92; 162 7.04 4.1 17.92
52. 163 3.37 4.1 15.51; 164 7.04 4.1 15.51; 165 5.27 4.1 17.92; 166 5.27 4.1 20.35
53. 167 5.14 4.1 15.51; 168 0 4.1 15.885; 169 3.37 4.1 15.885
54. 170 10.38 4.1 16.715; 171 7.04 4.1 16.715; 172 3.37 4.1 16.715
55. 173 0 4.1 16.715; 174 6.01 4.1 17.92; 175 6.01 4.1 16.715; 176 6.01 4.1 15.51
56. 177 4.4 4.1 15.51; 178 4.4 4.1 15.885; 179 4.4 4.1 16.715; 180 4.4 4.1 17.92
57. 181 1.22 4.1 20.35; 182 1.22 4.1 23.95; 183 5.27 4.1 23.95; 184 8.07 4.1 20.35
58. 185 8.07 4.1 23.95; 186 8.07 4.1 22.82; 187 10.38 4.1 22.82
59. 188 2.59 4.1 26.31; 189 3.34 4.1 26.31; 190 4.09 4.1 26.31; 191 2.59 4.1 25.52
60. 192 3.34 4.1 25.52; 193 4.09 4.1 25.52; 194 1.9 4.1 25.52; 195 0 4.1 29.91
61. 196 5.27 4.1 31.93; 197 5.27 4.1 26.31; 198 5.27 4.1 29.91
62. 199 10.38 4.1 29.91; 200 9.16 4.1 29.91; 201 9.16 4.1 26.31
63. 202 2.31 4.1 29.91; 203 2.31 4.1 26.31; 204 0 4.1 27.44; 205 2.31 4.1 27.44
64. 206 3.37 4.1 31.93; 207 3.37 4.1 29.91; 208 7.04 4.1 31.93; 209 7.04 4.1 29.91
65. 210 0 4.1 33.43; 211 2.31 4.1 33.43; 212 3.37 4.1 33.43; 213 8.54 4.1 33.43
66. 214 10.38 4.1 33.43; 215 5.27 4.1 33.43; 216 7.04 4.1 33.43
67. 217 2.31 4.1 32.54; 218 3.37 4.1 32.54; 219 5.27 4.1 32.54; 220 7.04 4.1 32.54
68. 221 8.54 4.1 32.54; 222 0 7.2 0; 223 3.5 7.2 0; 224 7.04 7.2 0
69. 225 10.38 7.2 0; 226 0 7.2 3.52; 227 7.04 7.2 3.52; 228 10.38 7.2 3.52
70. 229 0 7.2 7.12; 230 1.9 7.2 7.12; 231 8.35 7.2 7.12; 232 10.38 7.2 7.12
71. 233 0 7.2 9.48; 234 1.9 7.2 9.48; 235 8.35 7.2 9.48; 236 10.38 7.2 9.48
72. 237 0 7.2 12.25; 238 2.31 7.2 12.25; 239 9.16 7.2 12.25; 240 10.38 7.2 12.25
73. 241 0 7.2 20.35; 242 2.31 7.2 20.35; 243 8.54 7.2 20.35; 244 10.38 7.2 20.35
74. 245 0 7.2 23.95; 246 1.9 7.2 23.95; 247 8.54 7.2 23.95; 248 10.38 7.2 23.95
75. 249 0 7.2 26.31; 250 1.9 7.2 26.31; 251 8.54 7.2 26.31; 252 10.38 7.2 26.31
76. 253 0 7.2 31.93; 256 10.38 7.2 31.93; 257 3.5 7.2 3.52; 258 3.5 7.2 1.05
77. 259 7.04 7.2 1.05; 260 5.27 7.2 3.52; 261 5.27 7.2 1.05; 262 4.25 7.2 1.05
78. 263 4.25 7.2 0; 264 6.16 7.2 1.05; 265 6.16 7.2 0; 266 7.94 7.2 7.12
79. 267 7.94 7.2 3.52; 268 5.27 7.2 7.12; 269 6.73 7.2 9.48; 270 6.73 7.2 7.12
80. 271 6.73 7.2 26.31; 272 6.73 7.2 23.95; 273 1.22 7.2 7.12; 274 1.22 7.2 3.52
81. 275 7.94 7.2 5.76; 276 10.38 7.2 5.76; 277 2.59 7.2 9.48; 278 3.34 7.2 9.48
82. 279 4.09 7.2 9.48; 280 2.59 7.2 8.69; 281 3.34 7.2 8.69; 282 4.09 7.2 8.69
83. 283 1.9 7.2 8.69; 284 2.31 7.2 9.48; 285 0 7.2 10.61; 286 2.31 7.2 10.61
84. 287 9.16 7.2 9.48; 288 5.14 7.2 12.25; 289 5.14 7.2 9.48; 290 3.37 7.2 12.25
85. 291 3.37 7.2 20.35; 292 7.04 7.2 20.35; 293 7.04 7.2 12.25; 294 3.37 7.2 17.92
86. 295 7.04 7.2 17.92; 296 3.37 7.2 15.51; 297 7.04 7.2 15.51; 298 5.27 7.2 17.92
87. 299 5.27 7.2 20.35; 300 5.14 7.2 15.51; 301 0 7.2 15.885; 302 3.37 7.2 15.885
88. 303 10.38 7.2 16.715; 304 7.04 7.2 16.715; 305 3.37 7.2 16.715
89. 306 0 7.2 16.715; 307 6.01 7.2 17.92; 308 6.01 7.2 16.715; 309 6.01 7.2 15.51
90. 310 4.4 7.2 15.51; 311 4.4 7.2 15.885; 312 4.4 7.2 16.715; 313 4.4 7.2 17.92
91. 314 1.22 7.2 20.35; 315 1.22 7.2 23.95; 316 5.27 7.2 23.95; 317 8.07 7.2 20.35
92. 318 8.07 7.2 23.95; 319 8.07 7.2 22.82; 320 10.38 7.2 22.82
93. 321 2.59 7.2 26.31; 322 3.34 7.2 26.31; 323 4.09 7.2 26.31; 324 2.59 7.2 25.52
94. 325 3.34 7.2 25.52; 326 4.09 7.2 25.52; 327 1.9 7.2 25.52; 328 0 7.2 29.91

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

95. 329 5.27 7.2 31.93; 330 5.27 7.2 26.31; 331 5.27 7.2 29.91
96. 332 10.38 7.2 29.91; 333 9.16 7.2 29.91; 334 9.16 7.2 26.31
97. 335 2.31 7.2 29.91; 336 2.31 7.2 26.31; 337 0 7.2 27.44; 338 2.31 7.2 27.44
98. 339 3.37 7.2 31.93; 340 3.37 7.2 29.91; 341 7.04 7.2 31.93; 342 7.04 7.2 29.91
99. 343 0 7.2 33.43; 344 2.31 7.2 33.43; 345 3.37 7.2 33.43; 346 8.54 7.2 33.43
100. 347 10.38 7.2 33.43; 348 5.27 7.2 33.43; 349 7.04 7.2 33.43
101. 351 3.37 7.2 32.54; 352 5.27 7.2 32.54; 353 7.04 7.2 32.54; 354 4.25 7.2 33.43
102. 355 4.25 7.2 32.54; 356 6.24 7.2 33.43; 357 6.24 7.2 32.54; 358 5.27 1 31.93
103. 359 0 10.3 0; 360 3.5 10.3 0; 361 7.04 10.3 0; 362 10.38 10.3 0
104. 363 0 10.3 3.52; 364 7.04 10.3 3.52; 365 10.38 10.3 3.52; 366 0 10.3 7.12
105. 367 1.9 10.3 7.12; 368 8.35 10.3 7.12; 369 10.38 10.3 7.12; 370 0 10.3 9.48
106. 371 1.9 10.3 9.48; 372 8.35 10.3 9.48; 373 10.38 10.3 9.48; 374 0 10.3 12.25
107. 375 2.31 10.3 12.25; 376 9.16 10.3 12.25; 377 10.38 10.3 12.25
108. 378 0 10.3 20.35; 379 2.31 10.3 20.35; 380 8.54 10.3 20.35
109. 381 10.38 10.3 20.35; 382 0 10.3 23.95; 383 1.9 10.3 23.95
110. 384 8.54 10.3 23.95; 385 10.38 10.3 23.95; 386 0 10.3 26.31
111. 387 1.9 10.3 26.31; 388 8.54 10.3 26.31; 389 10.38 10.3 26.31
112. 390 0 10.3 31.93; 391 10.38 10.3 31.93; 392 3.5 10.3 3.52; 393 3.5 10.3 1.05
113. 394 7.04 10.3 1.05; 395 5.27 10.3 3.52; 396 5.27 10.3 1.05; 397 4.25 10.3 1.05
114. 398 4.25 10.3 0; 399 6.16 10.3 1.05; 400 6.16 10.3 0; 401 7.94 10.3 7.12
115. 402 7.94 10.3 3.52; 403 5.27 10.3 7.12; 404 6.73 10.3 9.48; 405 6.73 10.3 7.12
116. 406 6.73 10.3 26.31; 407 6.73 10.3 23.95; 408 1.22 10.3 7.12
117. 409 1.22 10.3 3.52; 410 7.94 10.3 5.76; 411 10.38 10.3 5.76
118. 412 2.59 10.3 9.48; 413 3.34 10.3 9.48; 414 4.09 10.3 9.48; 415 2.59 10.3 8.69
119. 416 3.34 10.3 8.69; 417 4.09 10.3 8.69; 418 1.9 10.3 8.69; 419 2.31 10.3 9.48
120. 420 0 10.3 10.61; 421 2.31 10.3 10.61; 422 9.16 10.3 9.48; 423 5.14 10.3 12.25
121. 424 5.14 10.3 9.48; 425 3.37 10.3 12.25; 426 3.37 10.3 20.35
122. 427 7.04 10.3 20.35; 428 7.04 10.3 12.25; 429 3.37 10.3 17.92
123. 430 7.04 10.3 17.92; 431 3.37 10.3 15.51; 432 7.04 10.3 15.51
124. 433 5.27 10.3 17.92; 434 5.27 10.3 20.35; 435 5.14 10.3 15.51
125. 436 0 10.3 15.885; 437 3.37 10.3 15.885; 438 10.38 10.3 16.715
126. 439 7.04 10.3 16.715; 440 3.37 10.3 16.715; 441 0 10.3 16.715
127. 442 6.01 10.3 17.92; 443 6.01 10.3 16.715; 444 6.01 10.3 15.51
128. 445 4.4 10.3 15.51; 446 4.4 10.3 15.885; 447 4.4 10.3 16.715
129. 448 4.4 10.3 17.92; 449 1.22 10.3 20.35; 450 1.22 10.3 23.95
130. 451 5.27 10.3 23.95; 452 8.07 10.3 20.35; 453 8.07 10.3 23.95
131. 454 8.07 10.3 22.82; 455 10.38 10.3 22.82; 456 2.59 10.3 26.31
132. 457 3.34 10.3 26.31; 458 4.09 10.3 26.31; 459 2.59 10.3 25.52
133. 460 3.34 10.3 25.52; 461 4.09 10.3 25.52; 462 1.9 10.3 25.52; 463 0 10.3 29.91
134. 464 5.27 10.3 31.93; 465 5.27 10.3 26.31; 466 5.27 10.3 29.91
135. 467 10.38 10.3 29.91; 468 9.16 10.3 29.91; 469 9.16 10.3 26.31
136. 470 2.31 10.3 29.91; 471 2.31 10.3 26.31; 472 0 10.3 27.44
137. 473 2.31 10.3 27.44; 474 3.37 10.3 31.93; 475 3.37 10.3 29.91
138. 476 7.04 10.3 31.93; 477 7.04 10.3 29.91; 478 0 10.3 33.43
139. 479 2.31 10.3 33.43; 480 3.37 10.3 33.43; 481 8.54 10.3 33.43
140. 482 10.38 10.3 33.43; 483 5.27 10.3 33.43; 484 7.04 10.3 33.43
141. 485 3.37 10.3 32.54; 486 5.27 10.3 32.54; 487 7.04 10.3 32.54
142. 488 4.25 10.3 33.43; 489 4.25 10.3 32.54; 490 6.24 10.3 33.43
143. 491 6.24 10.3 32.54; 492 0 13.4 0; 493 3.5 13.4 0; 494 7.04 13.4 0
144. 495 10.38 13.4 0; 496 0 13.4 3.52; 497 7.04 13.4 3.52; 498 10.38 13.4 3.52
145. 499 0 13.4 7.12; 500 1.9 13.4 7.12; 501 8.35 13.4 7.12; 502 10.38 13.4 7.12
146. 503 0 13.4 9.48; 504 1.9 13.4 9.48; 505 8.35 13.4 9.48; 506 10.38 13.4 9.48
147. 507 0 13.4 12.25; 508 2.31 13.4 12.25; 509 9.16 13.4 12.25
148. 510 10.38 13.4 12.25; 511 0 13.4 20.35; 512 2.31 13.4 20.35
149. 513 8.54 13.4 20.35; 514 10.38 13.4 20.35; 515 0 13.4 23.95
150. 516 1.9 13.4 23.95; 517 8.54 13.4 23.95; 518 10.38 13.4 23.95

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

151. 519 0 13.4 26.31; 520 1.9 13.4 26.31; 521 8.54 13.4 26.31
152. 522 10.38 13.4 26.31; 523 0 13.4 31.93; 524 10.38 13.4 31.93
153. 525 3.5 13.4 3.52; 526 3.5 13.4 1.05; 527 7.04 13.4 1.05; 528 5.27 13.4 3.52
154. 529 5.27 13.4 1.05; 530 4.25 13.4 1.05; 531 4.25 13.4 0; 532 6.16 13.4 1.05
155. 533 6.16 13.4 0; 534 7.94 13.4 7.12; 535 7.94 13.4 3.52; 536 5.27 13.4 7.12
156. 537 6.73 13.4 9.48; 538 6.73 13.4 7.12; 539 6.73 13.4 26.31
157. 540 6.73 13.4 23.95; 541 1.22 13.4 7.12; 542 1.22 13.4 3.52
158. 543 7.94 13.4 5.76; 544 10.38 13.4 5.76; 545 2.59 13.4 9.48
159. 546 3.34 13.4 9.48; 547 4.09 13.4 9.48; 548 2.59 13.4 8.69; 549 3.34 13.4 8.69
160. 550 4.09 13.4 8.69; 551 1.9 13.4 8.69; 552 2.31 13.4 9.48; 553 0 13.4 10.61
161. 554 2.31 13.4 10.61; 555 9.16 13.4 9.48; 556 5.14 13.4 12.25
162. 557 5.14 13.4 9.48; 558 3.37 13.4 12.25; 559 3.37 13.4 20.35
163. 560 7.04 13.4 20.35; 561 7.04 13.4 12.25; 562 3.37 13.4 17.92
164. 563 7.04 13.4 17.92; 564 3.37 13.4 15.51; 565 7.04 13.4 15.51
165. 566 5.27 13.4 17.92; 567 5.27 13.4 20.35; 568 5.14 13.4 15.51
166. 569 0 13.4 15.885; 570 3.37 13.4 15.885; 571 10.38 13.4 16.715
167. 572 7.04 13.4 16.715; 573 3.37 13.4 16.715; 574 0 13.4 16.715
168. 575 6.01 13.4 17.92; 576 6.01 13.4 16.715; 577 6.01 13.4 15.51
169. 578 4.4 13.4 15.51; 579 4.4 13.4 15.885; 580 4.4 13.4 16.715
170. 581 4.4 13.4 17.92; 582 1.22 13.4 20.35; 583 1.22 13.4 23.95
171. 584 5.27 13.4 23.95; 585 8.07 13.4 20.35; 586 8.07 13.4 23.95
172. 587 8.07 13.4 22.82; 588 10.38 13.4 22.82; 589 2.59 13.4 26.31
173. 590 3.34 13.4 26.31; 591 4.09 13.4 26.31; 592 2.59 13.4 25.52
174. 593 3.34 13.4 25.52; 594 4.09 13.4 25.52; 595 1.9 13.4 25.52; 596 0 13.4 29.91
175. 597 5.27 13.4 31.93; 598 5.27 13.4 26.31; 599 5.27 13.4 29.91
176. 600 10.38 13.4 29.91; 601 9.16 13.4 29.91; 602 9.16 13.4 26.31
177. 603 2.31 13.4 29.91; 604 2.31 13.4 26.31; 605 0 13.4 27.44
178. 606 2.31 13.4 27.44; 607 3.37 13.4 31.93; 608 3.37 13.4 29.91
179. 609 7.04 13.4 31.93; 610 7.04 13.4 29.91; 611 0 13.4 33.43
180. 612 2.31 13.4 33.43; 613 3.37 13.4 33.43; 614 8.54 13.4 33.43
181. 615 10.38 13.4 33.43; 616 5.27 13.4 33.43; 617 7.04 13.4 33.43
182. 618 3.37 13.4 32.54; 619 5.27 13.4 32.54; 620 7.04 13.4 32.54
183. 621 4.25 13.4 33.43; 622 4.25 13.4 32.54; 623 6.24 13.4 33.43
184. 624 6.24 13.4 32.54; 625 0 16.5 0; 626 3.5 16.5 0; 627 7.04 16.5 0
185. 628 10.38 16.5 0; 629 0 16.5 3.52; 630 7.04 16.5 3.52; 631 10.38 16.5 3.52
186. 632 0 16.5 7.12; 633 1.9 16.5 7.12; 634 8.35 16.5 7.12; 635 10.38 16.5 7.12
187. 636 0 16.5 9.48; 637 1.9 16.5 9.48; 638 8.35 16.5 9.48; 639 10.38 16.5 9.48
188. 640 0 16.5 12.25; 641 2.31 16.5 12.25; 642 9.16 16.5 12.25
189. 643 10.38 16.5 12.25; 644 0 16.5 20.35; 645 2.31 16.5 20.35
190. 646 8.54 16.5 20.35; 647 10.38 16.5 20.35; 648 0 16.5 23.95
191. 649 1.9 16.5 23.95; 650 8.54 16.5 23.95; 651 10.38 16.5 23.95
192. 652 0 16.5 26.31; 653 1.9 16.5 26.31; 654 8.54 16.5 26.31
193. 655 10.38 16.5 26.31; 656 0 16.5 31.93; 657 10.38 16.5 31.93
194. 658 3.5 16.5 3.52; 659 3.5 16.5 1.05; 660 7.04 16.5 1.05; 661 5.27 16.5 3.52
195. 662 5.27 16.5 1.05; 663 4.25 16.5 1.05; 664 4.25 16.5 0; 665 6.16 16.5 1.05
196. 666 6.16 16.5 0; 667 7.94 16.5 7.12; 668 7.94 16.5 3.52; 669 5.27 16.5 7.12
197. 670 6.73 16.5 9.48; 671 6.73 16.5 7.12; 672 6.73 16.5 26.31
198. 673 6.73 16.5 23.95; 674 1.22 16.5 7.12; 675 1.22 16.5 3.52
199. 676 7.94 16.5 5.76; 677 10.38 16.5 5.76; 678 2.59 16.5 9.48
200. 679 3.34 16.5 9.48; 680 4.09 16.5 9.48; 681 2.59 16.5 8.69; 682 3.34 16.5 8.69
201. 683 4.09 16.5 8.69; 684 1.9 16.5 8.69; 685 2.31 16.5 9.48; 686 0 16.5 10.61
202. 687 2.31 16.5 10.61; 688 9.16 16.5 9.48; 689 5.14 16.5 12.25
203. 690 5.14 16.5 9.48; 691 3.37 16.5 12.25; 692 3.37 16.5 20.35
204. 693 7.04 16.5 20.35; 694 7.04 16.5 12.25; 695 3.37 16.5 17.92
205. 696 7.04 16.5 17.92; 697 3.37 16.5 15.51; 698 7.04 16.5 15.51
206. 699 5.27 16.5 17.92; 700 5.27 16.5 20.35; 701 5.14 16.5 15.51



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

207. 702 0 16.5 15.885; 703 3.37 16.5 15.885; 704 10.38 16.5 16.715
208. 705 7.04 16.5 16.715; 706 3.37 16.5 16.715; 707 0 16.5 16.715
209. 708 6.01 16.5 17.92; 709 6.01 16.5 16.715; 710 6.01 16.5 15.51
210. 711 4.4 16.5 15.51; 712 4.4 16.5 15.885; 713 4.4 16.5 16.715
211. 714 4.4 16.5 17.92; 715 1.22 16.5 20.35; 716 1.22 16.5 23.95
212. 717 5.27 16.5 23.95; 718 8.07 16.5 20.35; 719 8.07 16.5 23.95
213. 720 8.07 16.5 22.82; 721 10.38 16.5 22.82; 722 2.59 16.5 26.31
214. 723 3.34 16.5 26.31; 724 4.09 16.5 26.31; 725 2.59 16.5 25.52
215. 726 3.34 16.5 25.52; 727 4.09 16.5 25.52; 728 1.9 16.5 25.52; 729 0 16.5 29.91
216. 730 5.27 16.5 31.93; 731 5.27 16.5 26.31; 732 5.27 16.5 29.91
217. 733 10.38 16.5 29.91; 734 9.16 16.5 29.91; 735 9.16 16.5 26.31
218. 736 2.31 16.5 29.91; 737 2.31 16.5 26.31; 738 0 16.5 27.44
219. 739 2.31 16.5 27.44; 740 3.37 16.5 31.93; 741 3.37 16.5 29.91
220. 742 7.04 16.5 31.93; 743 7.04 16.5 29.91; 744 0 16.5 33.43
221. 745 2.31 16.5 33.43; 746 3.37 16.5 33.43; 747 8.54 16.5 33.43
222. 748 10.38 16.5 33.43; 749 5.27 16.5 33.43; 750 7.04 16.5 33.43
223. 751 3.37 16.5 32.54; 752 5.27 16.5 32.54; 753 7.04 16.5 32.54
224. 754 4.25 16.5 33.43; 755 4.25 16.5 32.54; 756 6.24 16.5 33.43
225. 757 6.24 16.5 32.54; 758 0 19.6 0; 759 3.5 19.6 0; 760 7.04 19.6 0
226. 761 10.38 19.6 0; 762 0 19.6 3.52; 763 7.04 19.6 3.52; 764 10.38 19.6 3.52
227. 765 0 19.6 7.12; 766 1.9 19.6 7.12; 767 8.35 19.6 7.12; 768 10.38 19.6 7.12
228. 769 0 19.6 9.48; 770 1.9 19.6 9.48; 771 8.35 19.6 9.48; 772 10.38 19.6 9.48
229. 773 0 19.6 12.25; 774 2.31 19.6 12.25; 775 9.16 19.6 12.25
230. 776 10.38 19.6 12.25; 777 0 19.6 20.35; 778 2.31 19.6 20.35
231. 779 8.54 19.6 20.35; 780 10.38 19.6 20.35; 781 0 19.6 23.95
232. 782 1.9 19.6 23.95; 783 8.54 19.6 23.95; 784 10.38 19.6 23.95
233. 785 0 19.6 26.31; 786 1.9 19.6 26.31; 787 8.54 19.6 26.31
234. 788 10.38 19.6 26.31; 789 0 19.6 31.93; 790 10.38 19.6 31.93
235. 791 3.5 19.6 3.52; 792 3.5 19.6 1.05; 793 7.04 19.6 1.05; 794 5.27 19.6 3.52
236. 795 5.27 19.6 1.05; 796 4.25 19.6 1.05; 797 4.25 19.6 0; 798 6.16 19.6 1.05
237. 799 6.16 19.6 0; 800 7.94 19.6 7.12; 801 7.94 19.6 3.52; 802 5.27 19.6 7.12
238. 803 6.73 19.6 9.48; 804 6.73 19.6 7.12; 805 6.73 19.6 26.31
239. 806 6.73 19.6 23.95; 807 1.22 19.6 7.12; 808 1.22 19.6 3.52
240. 809 7.94 19.6 5.76; 810 10.38 19.6 5.76; 811 2.59 19.6 9.48
241. 812 3.34 19.6 9.48; 813 4.09 19.6 9.48; 814 2.59 19.6 8.69; 815 3.34 19.6 8.69
242. 816 4.09 19.6 8.69; 817 1.9 19.6 8.69; 818 2.31 19.6 9.48; 819 0 19.6 10.61
243. 820 2.31 19.6 10.61; 821 9.16 19.6 9.48; 822 5.14 19.6 12.25
244. 823 5.14 19.6 9.48; 824 3.37 19.6 12.25; 825 3.37 19.6 20.35
245. 826 7.04 19.6 20.35; 827 7.04 19.6 12.25; 828 3.37 19.6 17.92
246. 829 7.04 19.6 17.92; 830 3.37 19.6 15.51; 831 7.04 19.6 15.51
247. 832 5.27 19.6 17.92; 833 5.27 19.6 20.35; 834 5.14 19.6 15.51
248. 835 0 19.6 15.885; 836 3.37 19.6 15.885; 837 10.38 19.6 16.715
249. 838 7.04 19.6 16.715; 839 3.37 19.6 16.715; 840 0 19.6 16.715
250. 841 6.01 19.6 17.92; 842 6.01 19.6 16.715; 843 6.01 19.6 15.51
251. 844 4.4 19.6 15.51; 845 4.4 19.6 15.885; 846 4.4 19.6 16.715
252. 847 4.4 19.6 17.92; 848 1.22 19.6 20.35; 849 1.22 19.6 23.95
253. 850 5.27 19.6 23.95; 851 8.07 19.6 20.35; 852 8.07 19.6 23.95
254. 853 8.07 19.6 22.82; 854 10.38 19.6 22.82; 855 2.59 19.6 26.31
255. 856 3.34 19.6 26.31; 857 4.09 19.6 26.31; 858 2.59 19.6 25.52
256. 859 3.34 19.6 25.52; 860 4.09 19.6 25.52; 861 1.9 19.6 25.52; 862 0 19.6 29.91
257. 863 5.27 19.6 31.93; 864 5.27 19.6 26.31; 865 5.27 19.6 29.91
258. 866 10.38 19.6 29.91; 867 9.16 19.6 29.91; 868 9.16 19.6 26.31
259. 869 2.31 19.6 29.91; 870 2.31 19.6 26.31; 871 0 19.6 27.44
260. 872 2.31 19.6 27.44; 873 3.37 19.6 31.93; 874 3.37 19.6 29.91
261. 875 7.04 19.6 31.93; 876 7.04 19.6 29.91; 877 0 19.6 33.43
262. 878 2.31 19.6 33.43; 879 3.37 19.6 33.43; 880 8.54 19.6 33.43

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

263. 881 10.38 19.6 33.43; 882 5.27 19.6 33.43; 883 7.04 19.6 33.43
264. 884 3.37 19.6 32.54; 885 5.27 19.6 32.54; 886 7.04 19.6 32.54
265. 887 4.25 19.6 33.43; 888 4.25 19.6 32.54; 889 6.24 19.6 33.43
266. 890 6.24 19.6 32.54; 891 0 22.7 7.12; 892 1.9 22.7 7.12; 893 8.35 22.7 7.12
267. 894 10.38 22.7 7.12; 895 0 22.7 9.48; 896 1.9 22.7 9.48; 897 8.35 22.7 9.48
268. 898 10.38 22.7 9.48; 899 0 22.7 23.95; 900 1.9 22.7 23.95; 901 8.54 22.7 23.95
269. 902 10.38 22.7 23.95; 903 0 22.7 26.31; 904 1.9 22.7 26.31
270. 905 8.54 22.7 26.31; 906 10.38 22.7 26.31; 907 7.94 22.7 7.12
271. 912 1.22 22.7 7.12; 913 1.9 22.7 8.69; 914 9.16 22.7 9.48; 915 1.22 22.7 23.95
272. 916 8.07 22.7 23.95; 917 1.9 22.7 25.52; 918 9.16 22.7 26.31
273. 919 7.35 22.7 7.12; 920 7.35 22.7 9.48; 921 7.54 22.7 23.95
274. 922 7.54 22.7 26.31; 923 0 22.7 12.25; 924 3.37 22.7 12.25; 925 1.9 22.7 12.25
275. 926 0 0.5 7.12; 927 0 1.51667 7.12; 928 0 2.03333 7.12; 929 0 2.55 7.12
276. 930 0 3.06667 7.12; 931 0 3.58333 7.12; 932 0 4.61667 7.12; 933 0 5.13333 7.12
277. 934 0 5.65 7.12; 935 0 6.16667 7.12; 936 0 6.68333 7.12; 937 0 7.71667 7.12
278. 938 0 8.23333 7.12; 939 0 8.75 7.12; 940 0 9.26667 7.12; 941 0 9.78333 7.12
279. 942 0 10.8167 7.12; 943 0 11.3333 7.12; 944 0 11.85 7.12; 945 0 12.3667 7.12
280. 946 0 12.8833 7.12; 947 0 13.9167 7.12; 948 0 14.4333 7.12; 949 0 14.95 7.12
281. 950 0 15.4667 7.12; 951 0 15.9833 7.12; 952 0 17.0167 7.12; 953 0 17.5333 7.12
282. 954 0 18.05 7.12; 955 0 18.5667 7.12; 956 0 19.0833 7.12; 957 0 20.1167 7.12
283. 958 0 20.6333 7.12; 959 0 21.15 7.12; 960 0 21.6667 7.12; 961 0 22.1833 7.12
284. 962 0.61 22.7 7.12; 963 1.56 22.7 7.12; 964 1.9 22.1833 7.12
285. 965 1.9 21.6667 7.12; 966 1.9 21.15 7.12; 967 1.9 20.6333 7.12
286. 968 1.9 20.1167 7.12; 969 1.9 19.0833 7.12; 970 1.9 18.5667 7.12
287. 971 1.9 18.05 7.12; 972 1.9 17.5333 7.12; 973 1.9 17.0167 7.12
288. 974 1.9 15.9833 7.12; 975 1.9 15.4667 7.12; 976 1.9 14.95 7.12
289. 977 1.9 14.4333 7.12; 978 1.9 13.9167 7.12; 979 1.9 12.8833 7.12
290. 980 1.9 12.3667 7.12; 981 1.9 11.85 7.12; 982 1.9 11.3333 7.12
291. 983 1.9 10.8167 7.12; 984 1.9 9.78333 7.12; 985 1.9 9.26667 7.12
292. 986 1.9 8.75 7.12; 987 1.9 8.23333 7.12; 988 1.9 7.71667 7.12
293. 989 1.9 6.68333 7.12; 990 1.9 6.16667 7.12; 991 1.9 5.65 7.12
294. 992 1.9 5.13333 7.12; 993 1.9 4.61667 7.12; 994 1.9 3.58333 7.12
295. 995 1.9 3.06667 7.12; 996 1.9 2.55 7.12; 997 1.9 2.03333 7.12
296. 998 1.9 1.51667 7.12; 999 1.9 0.5 7.12; 1000 1.425 0 7.12; 1001 0.95 0 7.12
297. 1002 0.475 0 7.12; 1003 0.475 1 7.12; 1004 0.95 1 7.12; 1005 1.425 1 7.12
298. 1006 0.61 4.1 7.12; 1007 1.56 4.1 7.12; 1008 0.61 7.2 7.12; 1009 1.56 7.2 7.12
299. 1010 0.61 10.3 7.12; 1011 1.56 10.3 7.12; 1012 0.61 13.4 7.12
300. 1013 1.56 13.4 7.12; 1014 0.61 16.5 7.12; 1015 1.56 16.5 7.12
301. 1016 0.61 19.6 7.12; 1017 1.56 19.6 7.12; 1018 1.46779 22.1943 7.12
302. 1019 1.42925 21.6671 7.12; 1020 0.549768 22.2018 7.12; 1021 1.38333 21.15 7.12
303. 1022 1.42062 20.6377 7.12; 1023 1.48071 20.121 7.12
304. 1024 0.508737 21.6802 7.12; 1025 0.516667 21.15 7.12
305. 1026 1.48595 19.0786 7.12; 1027 0.499509 20.6304 7.12
306. 1028 1.43934 18.5598 7.12; 1029 0.528591 20.1167 7.12; 1030 1.38333 18.05 7.12
307. 1031 1.43828 17.5402 7.12; 1032 0.528591 19.0833 7.12
308. 1033 1.48595 17.0214 7.12; 1034 0.507092 18.5676 7.12
309. 1035 0.516667 18.05 7.12; 1036 1.48071 15.979 7.12; 1037 0.499437 17.5301 7.12
310. 1038 1.42062 15.4623 7.12; 1039 0.528591 17.0167 7.12; 1040 1.38333 14.95 7.12
311. 1041 1.43828 14.4402 7.12; 1042 0.528591 15.9833 7.12
312. 1043 1.48595 13.9214 7.12; 1044 0.506898 15.4674 7.12
313. 1045 0.516667 14.95 7.12; 1046 1.48071 12.879 7.12; 1047 0.499437 14.4301 7.12
314. 1048 1.42062 12.3623 7.12; 1049 0.528591 13.9167 7.12; 1050 1.38333 11.85 7.12
315. 1051 1.42062 11.3377 7.12; 1052 0.528591 12.8833 7.12
316. 1053 1.48071 10.821 7.12; 1054 0.506898 12.3674 7.12; 1055 0.516667 11.85 7.12
317. 1056 1.48071 9.77904 7.12; 1057 0.499509 11.3304 7.12
318. 1058 1.42062 9.26234 7.12; 1059 0.528591 10.8167 7.12; 1060 1.38333 8.75 7.12



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
319. 1061 1.42062 8.23766 7.12; 1062 0.528591 9.78333 7.12
320. 1063 1.48071 7.72096 7.12; 1064 0.506898 9.26737 7.12; 1065 0.516667 8.75 7.12
321. 1066 1.48071 6.67904 7.12; 1067 0.499509 8.23036 7.12
322. 1068 1.42062 6.16234 7.12; 1069 0.528591 7.71667 7.12; 1070 1.38333 5.65 7.12
323. 1071 1.42062 5.13766 7.12; 1072 0.528591 6.68333 7.12
324. 1073 1.48071 4.62096 7.12; 1074 0.506898 6.16737 7.12; 1075 0.516667 5.65 7.12
325. 1076 1.48071 3.57904 7.12; 1077 0.499509 5.13036 7.12
326. 1078 1.42062 3.06234 7.12; 1079 0.528591 4.61667 7.12; 1080 1.38333 2.55 7.12
327. 1081 1.38333 2.03333 7.12; 1082 0.528591 3.58333 7.12
328. 1083 1.38951 1.51667 7.12; 1084 0.506898 3.06737 7.12; 1085 0.516667 2.55 7.12
329. 1086 1.41654 0.491184 7.12; 1087 0.516667 2.03333 7.12
330. 1088 0.510493 1.51667 7.12; 1089 0.95 0.475 7.12; 1090 0.483455 0.491184 7.12
331. 1091 0.95 1.48051 7.12; 1092 1.05827 22.2018 7.12; 1093 0.98137 21.6776 7.12
332. 1094 0.95 21.15 7.12; 1095 0.980598 20.633 7.12; 1096 0.986375 18.5667 7.12
333. 1097 0.95 18.05 7.12; 1098 0.981506 17.5329 7.12; 1099 0.985412 15.4667 7.12
334. 1100 0.95 14.95 7.12; 1101 0.981506 14.4329 7.12; 1102 0.985412 12.3667 7.12
335. 1103 0.95 11.85 7.12; 1104 0.980598 11.333 7.12; 1105 0.985412 9.26668 7.12
336. 1106 0.95 8.75 7.12; 1107 0.980598 8.23299 7.12; 1108 0.985412 6.16668 7.12
337. 1109 0.95 5.65 7.12; 1110 0.980598 5.13299 7.12; 1111 0.985412 3.06668 7.12
338. 1112 0.95 2.55 7.12; 1113 0.95 2.01316 7.12; 1114 1.04688 10.8208 7.12
339. 1115 1.04688 9.77922 7.12; 1116 1.04688 7.72078 7.12
340. 1117 1.04688 6.67922 7.12; 1118 1.04688 4.62078 7.12
341. 1119 1.04688 3.57922 7.12; 1120 1.04688 20.1208 7.12
342. 1121 1.04987 19.0783 7.12; 1122 1.04688 12.8792 7.12
343. 1123 1.04987 13.9217 7.12; 1124 1.04987 17.0217 7.12
344. 1125 1.04688 15.9792 7.12; 1126 0 0 8.89; 1127 0 0 8.3; 1128 0 0 7.71
345. 1129 0 22.7 7.71; 1130 0 22.7 8.3; 1131 0 22.7 8.89; 1132 0 22.1833 9.48
346. 1133 0 21.6667 9.48; 1134 0 21.15 9.48; 1135 0 20.6333 9.48
347. 1136 0 20.1167 9.48; 1137 0 19.0833 9.48; 1138 0 18.5667 9.48
348. 1139 0 18.05 9.48; 1140 0 17.5333 9.48; 1141 0 17.0167 9.48
349. 1142 0 15.9833 9.48; 1143 0 15.4667 9.48; 1144 0 14.95 9.48
350. 1145 0 14.4333 9.48; 1146 0 13.9167 9.48; 1147 0 12.8833 9.48
351. 1148 0 12.3667 9.48; 1149 0 11.85 9.48; 1150 0 11.3333 9.48
352. 1151 0 10.8167 9.48; 1152 0 9.78333 9.48; 1153 0 9.26667 9.48
353. 1154 0 8.75 9.48; 1155 0 8.23333 9.48; 1156 0 7.71667 9.48
354. 1157 0 6.68333 9.48; 1158 0 6.16667 9.48; 1159 0 5.65 9.48
355. 1160 0 5.13333 9.48; 1161 0 4.61667 9.48; 1162 0 3.58333 9.48
356. 1163 0 3.06667 9.48; 1164 0 2.55 9.48; 1165 0 2.03333 9.48
357. 1166 0 1.51667 9.48; 1167 0 0.5 9.48; 1168 0 1 8.89; 1169 0 1 8.3
358. 1170 0 1 7.71; 1171 0 4.1 8.89; 1172 0 4.1 8.3; 1173 0 4.1 7.71
359. 1174 0 7.2 8.89; 1175 0 7.2 8.3; 1176 0 7.2 7.71; 1177 0 10.3 8.89
360. 1178 0 10.3 8.3; 1179 0 10.3 7.71; 1180 0 13.4 8.89; 1181 0 13.4 8.3
361. 1182 0 13.4 7.71; 1183 0 16.5 8.89; 1184 0 16.5 8.3; 1185 0 16.5 7.71
362. 1186 0 19.6 8.89; 1187 0 19.6 8.3; 1188 0 19.6 7.71; 1189 0 22.1702 7.69724
363. 1190 0 21.6558 7.67719; 1191 0 22.1622 8.29132; 1192 0 21.1471 7.66327
364. 1193 0 22.1628 8.89226; 1194 0 20.6368 7.6807; 1195 0 20.1222 7.68138
365. 1196 0 21.651 8.87891; 1197 0 19.0787 7.68544; 1198 0 18.5629 7.6766
366. 1199 0 20.6427 8.88092; 1200 0 18.0506 7.66335; 1201 0 20.132 8.89584
367. 1202 0 17.5369 7.65975; 1203 0 17.0227 7.68375; 1204 0 19.0753 8.89511
368. 1205 0 18.5588 8.87978; 1206 0 15.9776 7.67974; 1207 0 15.4639 7.65909
369. 1208 0 17.5481 8.87932; 1209 0 14.95 7.63667; 1210 0 17.0336 8.89449
370. 1211 0 14.436 7.65899; 1212 0 13.9226 7.67929; 1213 0 15.9636 8.89286
371. 1214 0 15.4502 8.88286; 1215 0 12.8751 7.70058; 1216 0 12.3625 7.68893
372. 1217 0 14.4449 8.8822; 1218 0 11.85 7.68986; 1219 0 13.9323 8.88681
373. 1220 0 11.3397 7.68112; 1221 0 10.8245 7.69689; 1222 0 12.8717 8.88609
374. 1223 0 12.3537 8.88126; 1224 0 9.77743 7.68494; 1225 0 9.26221 7.67555
```



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
375. 1226 0 11.3432 8.88034; 1227 0 8.75039 7.66265; 1228 0 10.831 8.8896
376. 1229 0 8.23845 7.66949; 1230 0 7.72376 7.68514; 1231 0 9.76914 8.88567
377. 1232 0 9.25924 8.87726; 1233 0 6.67605 7.69517; 1234 0 6.16109 7.6958
378. 1235 0 8.2486 8.88858; 1236 0 5.64988 7.6888; 1237 0 7.73336 8.88724
379. 1238 0 5.13912 7.68343; 1239 0 4.62386 7.69242; 1240 0 6.66937 8.88515
380. 1241 0 6.15459 8.88102; 1242 0 3.57574 7.6897; 1243 0 3.06183 7.68828
381. 1244 0 5.14403 8.88397; 1245 0 2.55215 7.67649; 1246 0 4.63076 8.88965
382. 1247 0 2.03959 7.66998; 1248 0 1.52505 7.69157; 1249 0 3.5704 8.88388
383. 1250 0 3.05515 8.87537; 1251 0 0.501526 7.70508; 1252 0 2.04229 8.87239
384. 1253 0 1.52817 8.88244; 1254 0 0.501526 8.89492; 1255 0 20.1312 8.2865
385. 1256 0 19.0725 8.28916; 1257 0 15.9678 8.2846; 1258 0 17.0339 8.28393
386. 1259 0 13.9333 8.28269; 1260 0 12.8713 8.29271; 1261 0 9.76957 8.27236
387. 1262 0 10.8306 8.28698; 1263 0 6.67086 8.29063; 1264 0 7.73384 8.28462
388. 1265 0 3.56735 8.28305; 1266 0 4.63005 8.28803; 1267 0 1.52969 8.28537
389. 1268 0 0.510168 8.3; 1269 0 21.6479 8.27648; 1270 0 21.1443 8.26793
390. 1271 0 20.6407 8.27823; 1272 0 18.5581 8.26781; 1273 0 18.0525 8.26946
391. 1274 0 17.546 8.26829; 1275 0 15.4546 8.26992; 1276 0 14.9486 8.25626
392. 1277 0 14.4444 8.26946; 1278 0 12.3564 8.28206; 1279 0 11.848 8.27236
393. 1280 0 11.3423 8.27974; 1281 0 9.25754 8.26436; 1282 0 8.75135 8.26962
394. 1283 0 8.24781 8.27217; 1284 0 6.15619 8.28082; 1285 0 5.6461 8.27573
395. 1286 0 5.1419 8.27944; 1287 0 3.05765 8.26951; 1288 0 2.5502 8.26884
396. 1289 0 2.04297 8.26471; 1290 0 21.1464 8.87833; 1291 0 2.54706 8.86669
397. 1292 0 5.64945 8.88235; 1293 0 11.8478 8.87376; 1294 0 18.053 8.87925
398. 1295 0 14.9494 8.87971; 1296 0 8.75528 8.88322; 1297 0.475 22.7 9.48
399. 1298 0.95 22.7 9.48; 1299 1.425 22.7 9.48; 1300 1.9 22.1833 9.48
400. 1301 1.9 21.6667 9.48; 1302 1.9 21.15 9.48; 1303 1.9 20.6333 9.48
401. 1304 1.9 20.1167 9.48; 1305 1.9 19.0833 9.48; 1306 1.9 18.5667 9.48
402. 1307 1.9 18.05 9.48; 1308 1.9 17.5333 9.48; 1309 1.9 17.0167 9.48
403. 1310 1.9 15.9833 9.48; 1311 1.9 15.4667 9.48; 1312 1.9 14.95 9.48
404. 1313 1.9 14.4333 9.48; 1314 1.9 13.9167 9.48; 1315 1.9 12.8833 9.48
405. 1316 1.9 12.3667 9.48; 1317 1.9 11.85 9.48; 1318 1.9 11.3333 9.48
406. 1319 1.9 10.8167 9.48; 1320 1.9 9.78333 9.48; 1321 1.9 9.26667 9.48
407. 1322 1.9 8.75 9.48; 1323 1.9 8.23333 9.48; 1324 1.9 7.71667 9.48
408. 1325 1.9 6.68333 9.48; 1326 1.9 6.16667 9.48; 1327 1.9 5.65 9.48
409. 1328 1.9 5.13333 9.48; 1329 1.9 4.61667 9.48; 1330 1.9 3.58333 9.48
410. 1331 1.9 3.06667 9.48; 1332 1.9 2.55 9.48; 1333 1.9 2.03333 9.48
411. 1334 1.9 1.51667 9.48; 1335 1.9 0.5 9.48; 1336 1.425 0 9.48; 1337 0.95 0 9.48
412. 1338 0.475 0 9.48; 1339 0.475 1 9.48; 1340 0.95 1 9.48; 1341 1.425 1 9.48
413. 1342 0.475 4.1 9.48; 1343 0.95 4.1 9.48; 1344 1.425 4.1 9.48
414. 1345 0.475 7.2 9.48; 1346 0.95 7.2 9.48; 1347 1.425 7.2 9.48
415. 1348 0.475 10.3 9.48; 1349 0.95 10.3 9.48; 1350 1.425 10.3 9.48
416. 1351 0.475 13.4 9.48; 1352 0.95 13.4 9.48; 1353 1.425 13.4 9.48
417. 1354 0.475 16.5 9.48; 1355 0.95 16.5 9.48; 1356 1.425 16.5 9.48
418. 1357 0.475 19.6 9.48; 1358 0.95 19.6 9.48; 1359 1.425 19.6 9.48
419. 1360 1.42272 22.1912 9.48; 1361 0.949253 22.1989 9.48
420. 1362 1.4189 21.6745 9.48; 1363 0.477669 22.1921 9.48
421. 1364 1.41634 21.1508 9.48; 1365 1.42092 20.6284 9.48
422. 1366 1.42115 20.1101 9.48; 1367 0.481605 21.6744 9.48
423. 1368 0.483757 21.1506 9.48; 1369 1.41975 19.0919 9.48
424. 1370 0.479075 20.628 9.48; 1371 1.42106 18.5724 9.48
425. 1372 0.479959 20.1099 9.48; 1373 1.41741 18.0501 9.48
426. 1374 1.4191 17.5287 9.48; 1375 0.48096 19.0902 9.48; 1376 1.41934 17.0108 9.48
427. 1377 0.479771 18.5708 9.48; 1378 0.485144 18.0491 9.48
428. 1379 1.4204 15.9897 9.48; 1380 0.479973 17.5288 9.48
429. 1381 1.41707 15.4707 9.48; 1382 0.480178 17.0099 9.48
430. 1383 1.41484 14.9499 9.48; 1384 1.42025 14.4289 9.48
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

431. 1385 0.48096 15.9902 9.48; 1386 1.41904 13.9098 9.48
432. 1387 0.47893 15.4718 9.48; 1388 0.48232 14.9496 9.48; 1389 1.41991 12.89 9.48
433. 1390 0.478869 14.4275 9.48; 1391 1.41954 12.3715 9.48
434. 1392 0.480247 13.9081 9.48; 1393 1.41466 11.8511 9.48
435. 1394 1.42017 11.3293 9.48; 1395 0.478847 12.8899 9.48
436. 1396 1.41904 10.8098 9.48; 1397 0.479863 12.3717 9.48
437. 1398 0.482456 11.8503 9.48; 1399 1.41927 9.78985 9.48
438. 1400 0.478923 11.3277 9.48; 1401 1.41254 9.27129 9.48
439. 1402 0.480247 10.8081 9.48; 1403 1.39678 8.74887 9.48
440. 1404 1.41046 8.2279 9.48; 1405 0.480247 9.79191 9.48
441. 1406 1.41651 7.71058 9.48; 1407 0.477243 9.27148 9.48
442. 1408 0.482971 8.74872 9.48; 1409 1.42079 6.68986 9.48
443. 1410 0.483667 8.22573 9.48; 1411 1.42183 6.17196 9.48
444. 1412 0.475971 7.70893 9.48; 1413 1.41782 5.65061 9.48
445. 1414 1.4212 5.12888 9.48; 1415 0.480659 6.68917 9.48; 1416 1.4197 4.61029 9.48
446. 1417 0.479491 6.17152 9.48; 1418 0.482668 5.6501 9.48
447. 1419 1.42013 3.5899 9.48; 1420 0.479608 5.12899 9.48; 1421 1.41557 3.0712 9.48
448. 1422 0.480302 4.61029 9.48; 1423 1.41727 2.54956 9.48
449. 1424 1.41762 2.02702 9.48; 1425 0.48096 3.59016 9.48; 1426 1.42267 1.5105 9.48
450. 1427 0.479184 3.07131 9.48; 1428 0.48252 2.54912 9.48
451. 1429 1.42391 0.493791 9.48; 1430 0.48044 2.02756 9.48
452. 1431 0.479381 1.5107 9.48; 1432 0.951892 0.49633 9.48
453. 1433 0.476751 0.499115 9.48; 1434 0.950867 20.1065 9.48
454. 1435 0.950504 19.0981 9.48; 1436 0.9503 15.9913 9.48
455. 1437 0.95039 17.0088 9.48; 1438 0.949496 13.9019 9.48
456. 1439 0.948697 12.8925 9.48; 1440 0.948861 9.795 9.48
457. 1441 0.949496 10.8019 9.48; 1442 0.950507 6.69222 9.48
458. 1443 0.944752 7.70514 9.48; 1444 0.950327 3.59148 9.48; 1445 0.95 4.60352 9.48
459. 1446 0.950522 1.50694 9.48; 1447 0.947675 21.6798 9.48; 1448 0.95 21.15 9.48
460. 1449 0.948864 20.6228 9.48; 1450 0.950251 18.5751 9.48
461. 1451 0.960576 18.0496 9.48; 1452 0.952235 17.5246 9.48
462. 1453 0.949578 15.4747 9.48; 1454 0.940019 14.9499 9.48
463. 1455 0.949749 14.4249 9.48; 1456 0.946964 12.3757 9.48
464. 1457 0.939215 11.8506 9.48; 1458 0.949749 11.3249 9.48
465. 1459 0.942969 9.27494 9.48; 1460 0.952737 8.74812 9.48
466. 1461 0.947676 8.22328 9.48; 1462 0.952192 6.17643 9.48; 1463 0.95 5.65 9.48
467. 1464 0.952477 5.12635 9.48; 1465 0.950251 3.07505 9.48
468. 1466 0.949998 2.54987 9.48; 1467 0.950124 2.02274 9.48; 1468 0 0.5 23.95
469. 1469 0 1.51667 23.95; 1470 0 2.03333 23.95; 1471 0 2.55 23.95
470. 1472 0 3.06667 23.95; 1473 0 3.58333 23.95; 1474 0 4.61667 23.95
471. 1475 0 5.13333 23.95; 1476 0 5.65 23.95; 1477 0 6.16667 23.95
472. 1478 0 6.68333 23.95; 1479 0 7.71667 23.95; 1480 0 8.23333 23.95
473. 1481 0 8.75 23.95; 1482 0 9.26667 23.95; 1483 0 9.78333 23.95
474. 1484 0 10.8167 23.95; 1485 0 11.3333 23.95; 1486 0 11.85 23.95
475. 1487 0 12.3667 23.95; 1488 0 12.8833 23.95; 1489 0 13.9167 23.95
476. 1490 0 14.4333 23.95; 1491 0 14.95 23.95; 1492 0 15.4667 23.95
477. 1493 0 15.9833 23.95; 1494 0 17.0167 23.95; 1495 0 17.5333 23.95
478. 1496 0 18.05 23.95; 1497 0 18.5667 23.95; 1498 0 19.0833 23.95
479. 1499 0 20.1167 23.95; 1500 0 20.6333 23.95; 1501 0 21.15 23.95
480. 1502 0 21.6667 23.95; 1503 0 22.1833 23.95; 1504 0.61 22.7 23.95
481. 1505 1.56 22.7 23.95; 1506 1.9 22.1833 23.95; 1507 1.9 21.6667 23.95
482. 1508 1.9 21.15 23.95; 1509 1.9 20.6333 23.95; 1510 1.9 20.1167 23.95
483. 1511 1.9 19.0833 23.95; 1512 1.9 18.5667 23.95; 1513 1.9 18.05 23.95
484. 1514 1.9 17.5333 23.95; 1515 1.9 17.0167 23.95; 1516 1.9 15.9833 23.95
485. 1517 1.9 15.4667 23.95; 1518 1.9 14.95 23.95; 1519 1.9 14.4333 23.95
486. 1520 1.9 13.9167 23.95; 1521 1.9 12.8833 23.95; 1522 1.9 12.3667 23.95

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

487. 1523 1.9 11.85 23.95; 1524 1.9 11.3333 23.95; 1525 1.9 10.8167 23.95
488. 1526 1.9 9.78333 23.95; 1527 1.9 9.26667 23.95; 1528 1.9 8.75 23.95
489. 1529 1.9 8.23333 23.95; 1530 1.9 7.71667 23.95; 1531 1.9 6.68333 23.95
490. 1532 1.9 6.16667 23.95; 1533 1.9 5.65 23.95; 1534 1.9 5.13333 23.95
491. 1535 1.9 4.61667 23.95; 1536 1.9 3.58333 23.95; 1537 1.9 3.06667 23.95
492. 1538 1.9 2.55 23.95; 1539 1.9 2.03333 23.95; 1540 1.9 1.51667 23.95
493. 1541 1.9 0.5 23.95; 1542 1.425 0 23.95; 1543 0.95 0 23.95; 1544 0.475 0 23.95
494. 1545 0.475 1 23.95; 1546 0.95 1 23.95; 1547 1.425 1 23.95; 1548 0.61 4.1 23.95
495. 1549 1.56 4.1 23.95; 1550 0.61 7.2 23.95; 1551 1.56 7.2 23.95
496. 1552 0.61 10.3 23.95; 1553 1.56 10.3 23.95; 1554 0.61 13.4 23.95
497. 1555 1.56 13.4 23.95; 1556 0.61 16.5 23.95; 1557 1.56 16.5 23.95
498. 1558 0.61 19.6 23.95; 1559 1.56 19.6 23.95; 1560 1.46779 22.1943 23.95
499. 1561 1.42925 21.6671 23.95; 1562 0.549768 22.2018 23.95
500. 1563 1.38333 21.15 23.95; 1564 1.42062 20.6377 23.95
501. 1565 1.48071 20.121 23.95; 1566 0.508737 21.6802 23.95
502. 1567 0.516667 21.15 23.95; 1568 1.48595 19.0786 23.95
503. 1569 0.499509 20.6304 23.95; 1570 1.43934 18.5598 23.95
504. 1571 0.528591 20.1167 23.95; 1572 1.38333 18.05 23.95
505. 1573 1.43828 17.5402 23.95; 1574 0.528591 19.0833 23.95
506. 1575 1.48595 17.0214 23.95; 1576 0.507092 18.5676 23.95
507. 1577 0.516667 18.05 23.95; 1578 1.48071 15.979 23.95
508. 1579 0.499437 17.5301 23.95; 1580 1.42062 15.4623 23.95
509. 1581 0.528591 17.0167 23.95; 1582 1.38333 14.95 23.95
510. 1583 1.43828 14.4402 23.95; 1584 0.528591 15.9833 23.95
511. 1585 1.48595 13.9214 23.95; 1586 0.506898 15.4674 23.95
512. 1587 0.516667 14.95 23.95; 1588 1.48071 12.879 23.95
513. 1589 0.499437 14.4301 23.95; 1590 1.42062 12.3623 23.95
514. 1591 0.528591 13.9167 23.95; 1592 1.38333 11.85 23.95
515. 1593 1.42062 11.3377 23.95; 1594 0.528591 12.8833 23.95
516. 1595 1.48071 10.821 23.95; 1596 0.506898 12.3674 23.95
517. 1597 0.516667 11.85 23.95; 1598 1.48071 9.77904 23.95
518. 1599 0.499509 11.3304 23.95; 1600 1.42062 9.26234 23.95
519. 1601 0.528591 10.8167 23.95; 1602 1.38333 8.75 23.95
520. 1603 1.42062 8.23766 23.95; 1604 0.528591 9.78333 23.95
521. 1605 1.48071 7.72096 23.95; 1606 0.506898 9.26737 23.95
522. 1607 0.516667 8.75 23.95; 1608 1.48071 6.67904 23.95
523. 1609 0.499509 8.23036 23.95; 1610 1.42062 6.16234 23.95
524. 1611 0.528591 7.71667 23.95; 1612 1.38333 5.65 23.95
525. 1613 1.42062 5.13766 23.95; 1614 0.528591 6.68333 23.95
526. 1615 1.48071 4.62096 23.95; 1616 0.506898 6.16737 23.95
527. 1617 0.516667 5.65 23.95; 1618 1.48071 3.57904 23.95
528. 1619 0.499509 5.13036 23.95; 1620 1.42062 3.06234 23.95
529. 1621 0.528591 4.61667 23.95; 1622 1.38333 2.55 23.95
530. 1623 1.38333 2.03333 23.95; 1624 0.528591 3.58333 23.95
531. 1625 1.38951 1.51667 23.95; 1626 0.506898 3.06737 23.95
532. 1627 0.516667 2.55 23.95; 1628 1.41654 0.491184 23.95
533. 1629 0.516667 2.03333 23.95; 1630 0.510493 1.51667 23.95
534. 1631 0.95 0.475 23.95; 1632 0.483455 0.491184 23.95; 1633 0.95 1.48051 23.95
535. 1634 1.05827 22.2018 23.95; 1635 0.98137 21.6776 23.95; 1636 0.95 21.15 23.95
536. 1637 0.980598 20.633 23.95; 1638 0.986375 18.5667 23.95; 1639 0.95 18.05 23.95
537. 1640 0.981506 17.5329 23.95; 1641 0.985412 15.4667 23.95
538. 1642 0.95 14.95 23.95; 1643 0.981506 14.4329 23.95
539. 1644 0.985412 12.3667 23.95; 1645 0.95 11.85 23.95; 1646 0.980598 11.333 23.95
540. 1647 0.985412 9.26668 23.95; 1648 0.95 8.75 23.95; 1649 0.980598 8.23299 23.95
541. 1650 0.985412 6.16668 23.95; 1651 0.95 5.65 23.95; 1652 0.980598 5.13299 23.95
542. 1653 0.985412 3.06668 23.95; 1654 0.95 2.55 23.95; 1655 0.95 2.01316 23.95

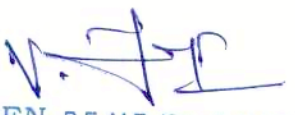


V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
543. 1656 1.04688 10.8208 23.95; 1657 1.04688 9.77922 23.95
544. 1658 1.04688 7.72078 23.95; 1659 1.04688 6.67922 23.95
545. 1660 1.04688 4.62078 23.95; 1661 1.04688 3.57922 23.95
546. 1662 1.04688 20.1208 23.95; 1663 1.04987 19.0783 23.95
547. 1664 1.04688 12.8792 23.95; 1665 1.04987 13.9217 23.95
548. 1666 1.04987 17.0217 23.95; 1667 1.04688 15.9792 23.95; 1668 0 0 25.72
549. 1669 0 0 25.13; 1670 0 0 24.54; 1671 0 22.7 24.54; 1672 0 22.7 25.13
550. 1673 0 22.7 25.72; 1674 0 22.1833 26.31; 1675 0 21.6667 26.31
551. 1676 0 21.15 26.31; 1677 0 20.6333 26.31; 1678 0 20.1167 26.31
552. 1679 0 19.0833 26.31; 1680 0 18.5667 26.31; 1681 0 18.05 26.31
553. 1682 0 17.5333 26.31; 1683 0 17.0167 26.31; 1684 0 15.9833 26.31
554. 1685 0 15.4667 26.31; 1686 0 14.95 26.31; 1687 0 14.4333 26.31
555. 1688 0 13.9167 26.31; 1689 0 12.8833 26.31; 1690 0 12.3667 26.31
556. 1691 0 11.85 26.31; 1692 0 11.3333 26.31; 1693 0 10.8167 26.31
557. 1694 0 9.78333 26.31; 1695 0 9.26667 26.31; 1696 0 8.75 26.31
558. 1697 0 8.23333 26.31; 1698 0 7.71667 26.31; 1699 0 6.68333 26.31
559. 1700 0 6.16667 26.31; 1701 0 5.65 26.31; 1702 0 5.13333 26.31
560. 1703 0 4.61667 26.31; 1704 0 3.58333 26.31; 1705 0 3.06667 26.31
561. 1706 0 2.55 26.31; 1707 0 2.03333 26.31; 1708 0 1.51667 26.31
562. 1709 0 0.5 26.31; 1710 0 1 25.72; 1711 0 1 25.13; 1712 0 1 24.54
563. 1713 0 4.1 24.54; 1714 0 4.1 25.13; 1715 0 4.1 25.72; 1716 0 7.2 24.54
564. 1717 0 7.2 25.13; 1718 0 7.2 25.72; 1719 0 10.3 24.54; 1720 0 10.3 25.13
565. 1721 0 10.3 25.72; 1722 0 13.4 24.54; 1723 0 13.4 25.13; 1724 0 13.4 25.72
566. 1725 0 16.5 24.54; 1726 0 16.5 25.13; 1727 0 16.5 25.72; 1728 0 19.6 24.54
567. 1729 0 19.6 25.13; 1730 0 19.6 25.72; 1731 0 22.1702 24.5272
568. 1732 0 21.6558 24.5072; 1733 0 22.1622 25.1213; 1734 0 21.1471 24.4933
569. 1735 0 22.1628 25.7223; 1736 0 20.6368 24.5107; 1737 0 20.1222 24.5114
570. 1738 0 21.651 25.7089; 1739 0 19.0787 24.5154; 1740 0 18.5629 24.5066
571. 1741 0 20.6427 25.7109; 1742 0 18.0506 24.4933; 1743 0 20.132 25.7258
572. 1744 0 17.5369 24.4897; 1745 0 17.0227 24.5138; 1746 0 19.0753 25.7251
573. 1747 0 18.5588 25.7098; 1748 0 15.9776 24.5097; 1749 0 15.4639 24.4891
574. 1750 0 17.5481 25.7093; 1751 0 14.95 24.4667; 1752 0 17.0336 25.7245
575. 1753 0 14.436 24.489; 1754 0 13.9226 24.5093; 1755 0 15.9636 25.7229
576. 1756 0 15.4502 25.7129; 1757 0 12.8751 24.5306; 1758 0 12.3625 24.5189
577. 1759 0 14.4449 25.7122; 1760 0 11.85 24.5199; 1761 0 13.9323 25.7168
578. 1762 0 11.3397 24.5111; 1763 0 10.8245 24.5269; 1764 0 12.8717 25.7161
579. 1765 0 12.3537 25.7113; 1766 0 9.77743 24.5149; 1767 0 9.26221 24.5056
580. 1768 0 11.3432 25.7103; 1769 0 8.75039 24.4927; 1770 0 10.831 25.7196
581. 1771 0 8.23845 24.4995; 1772 0 7.72376 24.5151; 1773 0 9.76914 25.7157
582. 1774 0 9.25924 25.7073; 1775 0 6.67605 24.5252; 1776 0 6.16109 24.5258
583. 1777 0 8.2486 25.7186; 1778 0 5.64988 24.5188; 1779 0 7.73336 25.7172
584. 1780 0 5.13912 24.5134; 1781 0 4.62386 24.5224; 1782 0 6.66937 25.7152
585. 1783 0 6.15459 25.711; 1784 0 3.57574 24.5197; 1785 0 3.06183 24.5183
586. 1786 0 5.14403 25.714; 1787 0 2.55215 24.5065; 1788 0 4.63076 25.7196
587. 1789 0 2.03959 24.5; 1790 0 1.52505 24.5216; 1791 0 3.5704 25.7139
588. 1792 0 3.05515 25.7054; 1793 0 0.501526 24.5351; 1794 0 2.04229 25.7024
589. 1795 0 1.52817 25.7124; 1796 0 0.501526 25.7249; 1797 0 20.1312 25.1165
590. 1798 0 19.0725 25.1192; 1799 0 15.9678 25.1146; 1800 0 17.0339 25.1139
591. 1801 0 13.9333 25.1127; 1802 0 12.8713 25.1227; 1803 0 9.76957 25.1024
592. 1804 0 10.8306 25.117; 1805 0 6.67086 25.1206; 1806 0 7.73384 25.1146
593. 1807 0 3.56735 25.1131; 1808 0 4.63005 25.118; 1809 0 1.52969 25.1154
594. 1810 0 0.510168 25.13; 1811 0 21.6479 25.1065; 1812 0 21.1443 25.0979
595. 1813 0 20.6407 25.1082; 1814 0 18.5581 25.0978; 1815 0 18.0525 25.0995
596. 1816 0 17.546 25.0983; 1817 0 15.4546 25.0999; 1818 0 14.9486 25.0863
597. 1819 0 14.4444 25.0995; 1820 0 12.3564 25.1121; 1821 0 11.848 25.1024
598. 1822 0 11.3423 25.1097; 1823 0 9.25754 25.0944; 1824 0 8.75135 25.0996
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

599. 1825 0 8.24781 25.1022; 1826 0 6.15619 25.1108; 1827 0 5.6461 25.1057
600. 1828 0 5.1419 25.1094; 1829 0 3.05765 25.0995; 1830 0 2.5502 25.0988
601. 1831 0 2.04297 25.0947; 1832 0 21.1464 25.7083; 1833 0 2.54706 25.6967
602. 1834 0 5.64945 25.7123; 1835 0 11.8478 25.7038; 1836 0 14.9494 25.7097
603. 1837 0 18.053 25.7093; 1838 0 8.75528 25.7132; 1839 0.475 22.7 26.31
604. 1840 0.95 22.7 26.31; 1841 1.425 22.7 26.31; 1842 1.9 22.1833 26.31
605. 1843 1.9 21.6667 26.31; 1844 1.9 21.15 26.31; 1845 1.9 20.6333 26.31
606. 1846 1.9 20.1167 26.31; 1847 1.9 19.0833 26.31; 1848 1.9 18.5667 26.31
607. 1849 1.9 18.05 26.31; 1850 1.9 17.5333 26.31; 1851 1.9 17.0167 26.31
608. 1852 1.9 15.9833 26.31; 1853 1.9 15.4667 26.31; 1854 1.9 14.95 26.31
609. 1855 1.9 14.4333 26.31; 1856 1.9 13.9167 26.31; 1857 1.9 12.8833 26.31
610. 1858 1.9 12.3667 26.31; 1859 1.9 11.85 26.31; 1860 1.9 11.3333 26.31
611. 1861 1.9 10.8167 26.31; 1862 1.9 9.78333 26.31; 1863 1.9 9.26667 26.31
612. 1864 1.9 8.75 26.31; 1865 1.9 8.23333 26.31; 1866 1.9 7.71667 26.31
613. 1867 1.9 6.68333 26.31; 1868 1.9 6.16667 26.31; 1869 1.9 5.65 26.31
614. 1870 1.9 5.13333 26.31; 1871 1.9 4.61667 26.31; 1872 1.9 3.58333 26.31
615. 1873 1.9 3.06667 26.31; 1874 1.9 2.55 26.31; 1875 1.9 2.03333 26.31
616. 1876 1.9 1.51667 26.31; 1877 1.9 0.5 26.31; 1878 1.425 0 26.31
617. 1879 0.95 0 26.31; 1880 0.475 0 26.31; 1881 0.475 1 26.31; 1882 0.95 1 26.31
618. 1883 1.425 1 26.31; 1884 0.475 4.1 26.31; 1885 0.95 4.1 26.31
619. 1886 1.425 4.1 26.31; 1887 0.475 7.2 26.31; 1888 0.95 7.2 26.31
620. 1889 1.425 7.2 26.31; 1890 0.475 10.3 26.31; 1891 0.95 10.3 26.31
621. 1892 1.425 10.3 26.31; 1893 0.475 13.4 26.31; 1894 0.95 13.4 26.31
622. 1895 1.425 13.4 26.31; 1896 0.475 16.5 26.31; 1897 0.95 16.5 26.31
623. 1898 1.425 16.5 26.31; 1899 0.475 19.6 26.31; 1900 0.95 19.6 26.31
624. 1901 1.425 19.6 26.31; 1902 1.42272 22.1912 26.31; 1903 0.949253 22.1989 26.31
625. 1904 1.4189 21.6745 26.31; 1905 0.477669 22.1921 26.31
626. 1906 1.41634 21.1508 26.31; 1907 1.42092 20.6284 26.31
627. 1908 1.42115 20.1101 26.31; 1909 0.481605 21.6744 26.31
628. 1910 0.483757 21.1506 26.31; 1911 1.41975 19.0919 26.31
629. 1912 0.479075 20.628 26.31; 1913 1.42106 18.5724 26.31
630. 1914 0.479959 20.1099 26.31; 1915 1.41741 18.0501 26.31
631. 1916 1.4191 17.5287 26.31; 1917 0.48096 19.0902 26.31
632. 1918 1.41934 17.0108 26.31; 1919 0.479771 18.5708 26.31
633. 1920 0.485144 18.0491 26.31; 1921 1.4204 15.9897 26.31
634. 1922 0.479973 17.5288 26.31; 1923 1.41707 15.4707 26.31
635. 1924 0.480178 17.0099 26.31; 1925 1.41484 14.9499 26.31
636. 1926 1.42025 14.4289 26.31; 1927 0.48096 15.9902 26.31
637. 1928 1.41904 13.9098 26.31; 1929 0.47893 15.4718 26.31
638. 1930 0.48232 14.9496 26.31; 1931 1.41991 12.89 26.31
639. 1932 0.478869 14.4275 26.31; 1933 1.41954 12.3715 26.31
640. 1934 0.480247 13.9081 26.31; 1935 1.41466 11.8511 26.31
641. 1936 1.42017 11.3293 26.31; 1937 0.478847 12.8899 26.31
642. 1938 1.41904 10.8098 26.31; 1939 0.479863 12.3717 26.31
643. 1940 0.482456 11.8503 26.31; 1941 1.41927 9.78985 26.31
644. 1942 0.478923 11.3277 26.31; 1943 1.41254 9.27129 26.31
645. 1944 0.480247 10.8081 26.31; 1945 1.39678 8.74887 26.31
646. 1946 1.41046 8.2279 26.31; 1947 0.480247 9.79191 26.31
647. 1948 1.41651 7.71058 26.31; 1949 0.477243 9.27148 26.31
648. 1950 0.482971 8.74872 26.31; 1951 1.42079 6.68986 26.31
649. 1952 0.483667 8.22573 26.31; 1953 1.42183 6.17196 26.31
650. 1954 0.475971 7.70893 26.31; 1955 1.41782 5.65061 26.31
651. 1956 1.4212 5.12888 26.31; 1957 0.480659 6.68917 26.31
652. 1958 1.4197 4.61029 26.31; 1959 0.479491 6.17152 26.31
653. 1960 0.482668 5.6501 26.31; 1961 1.42013 3.5899 26.31
654. 1962 0.479608 5.12899 26.31; 1963 1.41557 3.0712 26.31



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

655. 1964 0.480302 4.61029 26.31; 1965 1.41727 2.54956 26.31
656. 1966 1.41762 2.02702 26.31; 1967 0.48096 3.59016 26.31
657. 1968 1.42267 1.5105 26.31; 1969 0.479184 3.07131 26.31
658. 1970 0.48252 2.54912 26.31; 1971 1.42391 0.493791 26.31
659. 1972 0.48044 2.02756 26.31; 1973 0.479381 1.5107 26.31
660. 1974 0.951892 0.49633 26.31; 1975 0.476751 0.499115 26.31
661. 1976 0.950867 20.1065 26.31; 1977 0.950504 19.0981 26.31
662. 1978 0.9503 15.9913 26.31; 1979 0.95039 17.0088 26.31
663. 1980 0.949496 13.9019 26.31; 1981 0.948697 12.8925 26.31
664. 1982 0.948861 9.795 26.31; 1983 0.949496 10.8019 26.31
665. 1984 0.950507 6.69222 26.31; 1985 0.944752 7.70514 26.31
666. 1986 0.950327 3.59148 26.31; 1987 0.95 4.60352 26.31
667. 1988 0.950522 1.50694 26.31; 1989 0.947675 21.6798 26.31
668. 1990 0.95 21.15 26.31; 1991 0.948864 20.6228 26.31
669. 1992 0.950251 18.5751 26.31; 1993 0.960576 18.0496 26.31
670. 1994 0.952235 17.5246 26.31; 1995 0.949578 15.4747 26.31
671. 1996 0.940019 14.9499 26.31; 1997 0.949749 14.4249 26.31
672. 1998 0.946964 12.3757 26.31; 1999 0.939215 11.8506 26.31
673. 2000 0.949749 11.3249 26.31; 2001 0.942969 9.27494 26.31
674. 2002 0.952737 8.74812 26.31; 2003 0.947676 8.22328 26.31
675. 2004 0.952192 6.17643 26.31; 2005 0.95 5.65 26.31; 2006 0.952477 5.12635 26.31
676. 2007 0.950251 3.07505 26.31; 2008 0.949998 2.54987 26.31
677. 2009 0.950124 2.02274 26.31
678. MEMBER INCIDENCES
679. 1 1 36; 2 2 37; 3 3 38; 4 4 39; 5 5 40; 6 6 41; 7 7 42; 10 10 45; 11 11 46
680. 14 14 49; 15 15 50; 16 16 51; 17 17 52; 18 18 53; 19 19 54; 20 20 55; 21 21 56
681. 22 22 57; 23 23 58; 26 26 119; 27 27 62; 30 30 117; 31 31 66; 32 32 67
682. 33 33 68; 34 34 69; 35 35 70; 36 36 71; 37 37 72; 38 38 73; 39 39 74; 40 40 75
683. 41 41 76; 42 42 77; 45 45 80; 46 46 81; 49 49 84; 50 50 85; 51 51 86; 52 52 87
684. 53 53 88; 54 54 89; 55 55 90; 56 56 91; 57 57 92; 58 58 93; 61 119 96
685. 62 62 97; 65 117 100; 66 66 101; 67 67 102; 68 68 103; 69 69 104; 70 70 105
686. 71 36 37; 72 37 113; 73 38 39; 74 67 63; 76 59 55; 77 55 51; 78 51 47
687. 79 47 1168; 80 43 109; 81 40 36; 82 70 66; 83 66 62; 84 62 58; 85 58 54
688. 86 54 50; 87 50 46; 88 46 42; 89 42 39; 90 41 42; 91 43 1003; 92 44 108
689. 93 45 46; 94 47 1339; 95 48 106; 96 49 50; 97 51 52; 98 52 107; 99 106 49
690. 100 52 106; 101 107 53; 102 107 49; 103 53 54; 104 49 45; 105 48 44; 106 41 38
691. 107 108 45; 108 108 110; 109 109 40; 110 110 41; 111 109 111; 112 111 112
692. 113 111 37; 114 112 110; 115 113 38; 116 112 113; 117 55 56; 118 56 57
693. 120 56 52; 121 114 58; 122 114 53; 124 60 115; 125 61 119; 127 64 116
694. 128 65 117; 129 64 60; 130 65 61; 131 115 61; 132 115 56; 133 67 68
695. 134 68 358; 135 69 70; 136 116 65; 137 68 116; 138 117 66; 139 57 114
696. 140 119 62; 141 119 57; 142 69 117; 143 120 121; 144 121 122; 145 122 123
697. 146 120 67; 147 121 68; 148 122 69; 149 123 70; 150 71 72; 151 72 130
698. 152 73 74; 153 78 75; 154 75 71; 155 81 143; 156 77 74; 157 75 141; 158 76 134
699. 159 76 126; 160 124 127; 161 124 125; 162 125 72; 163 126 73; 164 125 129
700. 165 127 76; 166 128 131; 167 127 128; 168 129 128; 169 130 132; 170 129 130
701. 171 131 126; 172 132 73; 173 131 132; 174 78 1006; 175 79 135; 176 80 81
702. 177 133 80; 178 134 77; 179 133 142; 180 135 137; 181 135 127; 182 82 1342
703. 183 83 151; 184 84 154; 185 85 81; 186 82 1171; 187 83 150; 188 136 84
704. 189 137 133; 190 136 137; 191 82 152; 192 86 168; 193 90 94; 197 95 183
705. 198 96 97; 200 99 203; 201 100 201; 202 99 194; 203 101 97; 204 97 187
706. 205 93 170; 206 89 85; 207 138 100; 208 139 185; 209 138 139; 210 140 1007
707. 211 141 124; 212 140 141; 213 90 181; 214 91 158; 215 92 93; 216 142 134
708. 217 143 77; 218 142 143; 219 144 145; 220 145 146; 221 146 156; 222 144 147
709. 223 145 148; 224 146 149; 225 147 148; 226 148 149; 227 150 79; 228 150 147
710. 229 86 87; 230 87 157; 231 88 89; 232 151 144; 233 151 153; 234 152 86

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

711. 235 153 87; 236 152 153; 237 154 85; 238 88 154; 239 155 160; 240 156 136
712. 241 155 156; 242 157 155; 243 158 166; 244 157 163; 245 159 184; 246 160 88
713. 247 159 162; 248 161 158; 249 162 171; 250 161 180; 251 163 169; 252 164 160
714. 253 163 177; 254 165 174; 255 166 159; 256 165 166; 257 167 176; 258 155 167
715. 259 168 173; 260 169 172; 262 170 89; 263 171 164; 264 171 170; 265 172 161
716. 267 173 90; 268 173 172; 269 174 162; 270 174 175; 271 176 164; 272 175 176
717. 273 177 167; 274 177 178; 275 178 179; 276 180 165; 277 179 180; 278 181 91
718. 280 181 182; 281 183 139; 282 166 183; 283 184 92; 284 185 96; 285 185 186
719. 286 186 184; 287 187 93; 288 186 187; 289 188 189; 290 189 190; 291 190 197
720. 292 188 191; 293 189 192; 294 190 193; 295 191 192; 296 192 193; 297 194 95
721. 298 194 191; 299 102 103; 300 103 206; 301 104 105; 302 105 199; 303 102 195
722. 304 195 204; 305 196 208; 306 197 138; 307 196 198; 308 198 197; 309 195 202
723. 310 199 101; 311 198 209; 312 200 199; 313 201 101; 314 200 201; 315 202 207
724. 316 203 188; 317 202 205; 318 204 98; 319 205 203; 320 204 205; 321 206 196
725. 322 207 198; 323 206 207; 324 208 104; 325 209 200; 326 208 209; 327 210 211
726. 328 211 212; 329 213 214; 330 215 216; 331 212 215; 332 216 213; 333 210 102
727. 334 211 217; 335 215 219; 336 213 221; 337 214 105; 338 217 103; 339 217 218
728. 340 219 196; 341 219 220; 342 218 219; 343 221 104; 344 220 221; 345 71 222
729. 346 72 223; 347 73 224; 348 74 225; 349 75 226; 350 76 227; 351 77 228
730. 354 80 231; 355 81 232; 358 84 235; 359 85 236; 363 89 240; 364 90 241
731. 365 91 242; 366 92 243; 367 93 244; 370 96 247; 371 97 248; 374 100 251
732. 375 101 252; 376 102 253; 379 105 256; 380 222 223; 381 223 263; 382 224 225
733. 383 229 226; 384 226 222; 385 232 276; 386 228 225; 387 226 274; 388 227 267
734. 389 227 259; 390 257 260; 391 257 258; 392 258 223; 393 259 224; 394 258 262
735. 395 260 227; 396 261 264; 397 260 261; 398 262 261; 399 263 265; 400 262 263
736. 401 264 259; 402 265 224; 403 264 265; 404 229 1008; 405 230 268; 406 231 232
737. 407 266 231; 408 267 228; 409 266 275; 410 268 270; 411 268 260; 412 233 1345
738. 413 234 284; 414 235 287; 415 236 232; 416 233 1174; 417 234 283; 418 269 235
739. 419 270 266; 420 269 270; 421 233 285; 422 237 301; 423 241 245; 426 246 316
740. 427 247 248; 429 250 336; 430 251 334; 431 250 327; 432 252 248; 433 248 320
741. 434 244 303; 435 240 236; 436 271 251; 437 272 318; 438 271 272; 439 273 1009
742. 440 274 257; 441 273 274; 442 241 314; 443 242 291; 444 243 244; 445 275 267
743. 446 276 228; 447 275 276; 448 277 278; 449 278 279; 450 279 289; 451 277 280
744. 452 278 281; 453 279 282; 454 280 281; 455 281 282; 456 283 230; 457 283 280
745. 458 237 238; 459 238 290; 460 239 240; 461 284 277; 462 284 286; 463 285 237
746. 464 286 238; 465 285 286; 466 287 236; 467 239 287; 468 288 293; 469 289 269
747. 470 288 289; 471 290 288; 472 291 299; 473 290 296; 474 292 317; 475 293 239
748. 476 292 295; 477 294 291; 478 295 304; 479 294 313; 480 296 302; 481 297 293
749. 482 296 310; 483 298 307; 484 299 292; 485 298 299; 486 300 309; 487 288 300
750. 488 301 306; 489 302 305; 490 303 240; 491 304 297; 492 304 303; 493 305 294
751. 494 306 241; 495 306 305; 496 307 295; 497 307 308; 498 309 297; 499 308 309
752. 500 310 300; 501 310 311; 502 311 312; 503 313 298; 504 312 313; 505 314 242
753. 507 314 315; 508 316 272; 509 299 316; 510 317 243; 511 318 247; 512 318 319
754. 513 319 317; 514 320 244; 515 319 320; 516 321 322; 517 322 323; 518 323 330
755. 519 321 324; 520 322 325; 521 323 326; 522 324 325; 523 325 326; 524 327 246
756. 525 327 324; 529 256 332; 530 253 328; 531 328 337; 533 330 271; 534 329 331
757. 535 331 330; 536 328 335; 537 332 252; 538 331 342; 539 333 332; 540 334 252
758. 541 333 334; 542 335 340; 543 336 321; 544 335 338; 545 337 249; 546 338 336
759. 547 337 338; 549 340 331; 550 339 340; 552 342 333; 553 341 342; 554 343 344
760. 555 344 345; 556 346 347; 557 348 356; 558 345 354; 559 349 346; 560 343 253
761. 562 348 352; 564 347 256; 567 352 329; 568 352 357; 569 351 355; 572 339 351
762. 573 351 345; 574 349 353; 575 353 341; 576 354 348; 577 355 352; 578 354 355
763. 579 356 349; 580 357 353; 581 356 357; 584 358 69; 586 157 290; 587 160 293
764. 588 86 237; 589 222 359; 590 223 360; 591 224 361; 592 225 362; 593 226 363
765. 594 227 364; 595 228 365; 598 231 368; 599 232 369; 602 235 372; 603 236 373
766. 604 240 377; 605 241 378; 606 242 379; 607 243 380; 608 244 381; 611 247 384

V. JAGEEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

767. 612 248 385; 615 251 388; 616 252 389; 617 253 390; 618 256 391; 619 359 360
768. 620 360 398; 621 361 362; 622 366 363; 623 363 359; 624 369 411; 625 365 362
769. 626 363 409; 627 364 402; 628 364 394; 629 392 395; 630 392 393; 631 393 360
770. 632 394 361; 633 393 397; 634 395 364; 635 396 399; 636 395 396; 637 397 396
771. 638 398 400; 639 397 398; 640 399 394; 641 400 361; 642 399 400; 643 366 1010
772. 644 367 403; 645 368 369; 646 401 368; 647 402 365; 648 401 410; 649 403 405
773. 650 403 395; 651 370 1348; 652 371 419; 653 372 422; 654 373 369; 655 370 1177
774. 656 371 418; 657 404 372; 658 405 401; 659 404 405; 660 370 420; 661 374 436
775. 662 378 382; 665 383 451; 666 384 385; 668 387 471; 669 388 469; 670 387 462
776. 671 389 385; 672 385 455; 673 381 438; 674 377 373; 675 406 388; 676 407 453
777. 677 406 407; 678 408 1011; 679 409 392; 680 408 409; 681 378 449; 682 379 426
778. 683 380 381; 684 410 402; 685 411 365; 686 410 411; 687 412 413; 688 413 414
779. 689 414 424; 690 412 415; 691 413 416; 692 414 417; 693 415 416; 694 416 417
780. 695 418 367; 696 418 415; 697 374 375; 698 375 425; 699 376 377; 700 419 412
781. 701 419 421; 702 420 374; 703 421 375; 704 420 421; 705 422 373; 706 376 422
782. 707 423 428; 708 424 404; 709 423 424; 710 425 423; 711 426 434; 712 425 431
783. 713 427 452; 714 428 376; 715 427 430; 716 429 426; 717 430 439; 718 429 448
784. 719 431 437; 720 432 428; 721 431 445; 722 433 442; 723 434 427; 724 433 434
785. 725 435 444; 726 423 435; 727 436 441; 728 437 440; 729 438 377; 730 439 432
786. 731 439 438; 732 440 429; 733 441 378; 734 441 440; 735 442 430; 736 442 443
787. 737 444 432; 738 443 444; 739 445 435; 740 445 446; 741 446 447; 742 448 433
788. 743 447 448; 744 449 379; 746 449 450; 747 451 407; 748 434 451; 749 452 380
789. 750 453 384; 751 453 454; 752 454 452; 753 455 381; 754 454 455; 755 456 457
790. 756 457 458; 757 458 465; 758 456 459; 759 457 460; 760 458 461; 761 459 460
791. 762 460 461; 763 462 383; 764 462 459; 765 391 467; 766 390 463; 767 463 472
792. 768 465 406; 769 464 466; 770 466 465; 771 463 470; 772 467 389; 773 466 477
793. 774 468 467; 775 469 389; 776 468 469; 777 470 475; 778 471 456; 779 470 473
794. 780 472 386; 781 473 471; 782 472 473; 783 475 466; 784 474 475; 785 477 468
795. 786 476 477; 787 478 479; 788 479 480; 789 481 482; 790 483 490; 791 480 488
796. 792 484 481; 793 478 390; 794 483 486; 795 482 391; 796 486 464; 797 486 491
797. 798 485 489; 799 474 485; 800 485 480; 801 484 487; 802 487 476; 803 488 483
798. 804 489 486; 805 488 489; 806 490 484; 807 491 487; 808 490 491; 811 290 425
799. 812 293 428; 813 237 374; 814 359 492; 815 360 493; 816 361 494; 817 362 495
800. 818 363 496; 819 364 497; 820 365 498; 823 368 501; 824 369 502; 827 372 505
801. 828 373 506; 829 377 510; 830 378 511; 831 379 512; 832 380 513; 833 381 514
802. 836 384 517; 837 385 518; 840 388 521; 841 389 522; 842 390 523; 843 391 524
803. 844 492 493; 845 493 531; 846 494 495; 847 499 496; 848 496 492; 849 502 544
804. 850 498 495; 851 496 542; 852 497 535; 853 497 527; 854 525 528; 855 525 526
805. 856 526 493; 857 527 494; 858 526 530; 859 528 497; 860 529 532; 861 528 529
806. 862 530 529; 863 531 533; 864 530 531; 865 532 527; 866 533 494; 867 532 533
807. 868 499 1012; 869 500 536; 870 501 502; 871 534 501; 872 535 498; 873 534 543
808. 874 536 538; 875 536 528; 876 503 1351; 877 504 552; 878 505 555; 879 506 502
809. 880 503 1180; 881 504 551; 882 537 505; 883 538 534; 884 537 538; 885 503 553
810. 886 507 569; 887 511 515; 890 516 584; 891 517 518; 893 520 604; 894 521 602
811. 895 520 595; 896 522 518; 897 518 588; 898 514 571; 899 510 506; 900 539 521
812. 901 540 586; 902 539 540; 903 541 1013; 904 542 525; 905 541 542; 906 511 582
813. 907 512 559; 908 513 514; 909 543 535; 910 544 498; 911 543 544; 912 545 546
814. 913 546 547; 914 547 557; 915 545 548; 916 546 549; 917 547 550; 918 548 549
815. 919 549 550; 920 551 500; 921 551 548; 922 507 508; 923 508 558; 924 509 510
816. 925 552 545; 926 552 554; 927 553 507; 928 554 508; 929 553 554; 930 555 506
817. 931 509 555; 932 556 561; 933 557 537; 934 556 557; 935 558 556; 936 559 567
818. 937 558 564; 938 560 585; 939 561 509; 940 560 563; 941 562 559; 942 563 572
819. 943 562 581; 944 564 570; 945 565 561; 946 564 578; 947 566 575; 948 567 560
820. 949 566 567; 950 568 577; 951 556 568; 952 569 574; 953 570 573; 954 571 510
821. 955 572 565; 956 572 571; 957 573 562; 958 574 511; 959 574 573; 960 575 563
822. 961 575 576; 962 577 565; 963 576 577; 964 578 568; 965 578 579; 966 579 580

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
823. 967 581 566; 968 580 581; 969 582 512; 971 582 583; 972 584 540; 973 567 584
824. 974 585 513; 975 586 517; 976 586 587; 977 587 585; 978 588 514; 979 587 588
825. 980 589 590; 981 590 591; 982 591 598; 983 589 592; 984 590 593; 985 591 594
826. 986 592 593; 987 593 594; 988 595 516; 989 595 592; 990 524 600; 991 523 596
827. 992 596 605; 993 598 539; 994 597 599; 995 599 598; 996 596 603; 997 600 522
828. 998 599 610; 999 601 600; 1000 602 522; 1001 601 602; 1002 603 608
829. 1003 604 589; 1004 603 606; 1005 605 519; 1006 606 604; 1007 605 606
830. 1008 608 599; 1009 607 608; 1010 610 601; 1011 609 610; 1012 611 612
831. 1013 612 613; 1014 614 615; 1015 616 623; 1016 613 621; 1017 617 614
832. 1018 611 523; 1019 616 619; 1020 615 524; 1021 619 597; 1022 619 624
833. 1023 618 622; 1024 607 618; 1025 618 613; 1026 617 620; 1027 620 609
834. 1028 621 616; 1029 622 619; 1030 621 622; 1031 623 617; 1032 624 620
835. 1033 623 624; 1036 425 558; 1037 428 561; 1038 374 507; 1039 492 625
836. 1040 493 626; 1041 494 627; 1042 495 628; 1043 496 629; 1044 497 630
837. 1045 498 631; 1048 501 634; 1049 502 635; 1052 505 638; 1053 506 639
838. 1054 510 643; 1055 511 644; 1056 512 645; 1057 513 646; 1058 514 647
839. 1061 517 650; 1062 518 651; 1065 521 654; 1066 522 655; 1067 523 656
840. 1068 524 657; 1069 625 626; 1070 626 664; 1071 627 628; 1072 632 629
841. 1073 629 625; 1074 635 677; 1075 631 628; 1076 629 675; 1077 630 668
842. 1078 630 660; 1079 658 661; 1080 658 659; 1081 659 626; 1082 660 627
843. 1083 659 663; 1084 661 630; 1085 662 665; 1086 661 662; 1087 663 662
844. 1088 664 666; 1089 663 664; 1090 665 660; 1091 666 627; 1092 665 666
845. 1093 632 1014; 1094 633 669; 1095 634 635; 1096 667 634; 1097 668 631
846. 1098 667 676; 1099 669 671; 1100 669 661; 1101 636 1354; 1102 637 685
847. 1103 638 688; 1104 639 635; 1105 636 1183; 1106 637 684; 1107 670 638
848. 1108 671 667; 1109 670 671; 1110 636 686; 1111 640 702; 1112 644 648
849. 1115 649 717; 1116 650 651; 1118 653 737; 1119 654 735; 1120 653 728
850. 1121 655 651; 1122 651 721; 1123 647 704; 1124 643 639; 1125 672 654
851. 1126 673 719; 1127 672 673; 1128 674 1015; 1129 675 658; 1130 674 675
852. 1131 644 715; 1132 645 692; 1133 646 647; 1134 676 668; 1135 677 631
853. 1136 676 677; 1137 678 679; 1138 679 680; 1139 680 690; 1140 678 681
854. 1141 679 682; 1142 680 683; 1143 681 682; 1144 682 683; 1145 684 633
855. 1146 684 681; 1147 640 641; 1148 641 691; 1149 642 643; 1150 685 678
856. 1151 685 687; 1152 686 640; 1153 687 641; 1154 686 687; 1155 688 639
857. 1156 642 688; 1157 689 694; 1158 690 670; 1159 689 690; 1160 691 689
858. 1161 692 700; 1162 691 697; 1163 693 718; 1164 694 642; 1165 693 696
859. 1166 695 692; 1167 696 705; 1168 695 714; 1169 697 703; 1170 698 694
860. 1171 697 711; 1172 699 708; 1173 700 693; 1174 699 700; 1175 701 710
861. 1176 689 701; 1177 702 707; 1178 703 706; 1179 704 643; 1180 705 698
862. 1181 705 704; 1182 706 695; 1183 707 644; 1184 707 706; 1185 708 696
863. 1186 708 709; 1187 710 698; 1188 709 710; 1189 711 701; 1190 711 712
864. 1191 712 713; 1192 714 699; 1193 713 714; 1194 715 645; 1196 715 716
865. 1197 717 673; 1198 700 717; 1199 718 646; 1200 719 650; 1201 719 720
866. 1202 720 718; 1203 721 647; 1204 720 721; 1205 722 723; 1206 723 724
867. 1207 724 731; 1208 722 725; 1209 723 726; 1210 724 727; 1211 725 726
868. 1212 726 727; 1213 728 649; 1214 728 725; 1215 657 733; 1216 656 729
869. 1217 729 738; 1218 731 672; 1219 730 732; 1220 732 731; 1221 729 736
870. 1222 733 655; 1223 732 743; 1224 734 733; 1225 735 655; 1226 734 735
871. 1227 736 741; 1228 737 722; 1229 736 739; 1230 738 652; 1231 739 737
872. 1232 738 739; 1233 741 732; 1234 740 741; 1235 743 734; 1236 742 743
873. 1237 744 745; 1238 745 746; 1239 747 748; 1240 749 756; 1241 746 754
874. 1242 750 747; 1243 744 656; 1244 749 752; 1245 748 657; 1246 752 730
875. 1247 752 757; 1248 751 755; 1249 740 751; 1250 751 746; 1251 750 753
876. 1252 753 742; 1253 754 749; 1254 755 752; 1255 754 755; 1256 756 750
877. 1257 757 753; 1258 756 757; 1261 558 691; 1262 561 694; 1263 507 640
878. 1264 625 758; 1265 626 759; 1266 627 760; 1267 628 761; 1268 629 762
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

879. 1269 630 763; 1270 631 764; 1273 634 767; 1274 635 768; 1277 638 771
880. 1278 639 772; 1279 643 776; 1280 644 777; 1281 645 778; 1282 646 779
881. 1283 647 780; 1286 650 783; 1287 651 784; 1290 654 787; 1291 655 788
882. 1292 656 789; 1293 657 790; 1294 758 759; 1295 759 797; 1296 760 761
883. 1297 765 762; 1298 762 758; 1299 768 810; 1300 764 761; 1301 762 808
884. 1302 763 801; 1303 763 793; 1304 791 794; 1305 791 792; 1306 792 759
885. 1307 793 760; 1308 792 796; 1309 794 763; 1310 795 798; 1311 794 795
886. 1312 796 795; 1313 797 799; 1314 796 797; 1315 798 793; 1316 799 760
887. 1317 798 799; 1318 765 1016; 1319 766 802; 1320 767 768; 1321 800 767
888. 1322 801 764; 1323 800 809; 1324 802 804; 1325 802 794; 1326 769 1357
889. 1327 770 818; 1328 771 821; 1329 772 768; 1330 769 1186; 1331 770 817
890. 1332 803 771; 1333 804 800; 1334 803 804; 1335 769 819; 1336 773 835
891. 1337 777 781; 1340 782 850; 1341 783 784; 1343 786 870; 1344 787 868
892. 1345 786 861; 1346 788 784; 1347 784 854; 1348 780 837; 1349 776 772
893. 1350 805 787; 1351 806 852; 1352 805 806; 1353 807 1017; 1354 808 791
894. 1355 807 808; 1356 777 848; 1357 778 825; 1358 779 780; 1359 809 801
895. 1360 810 764; 1361 809 810; 1362 811 812; 1363 812 813; 1364 813 823
896. 1365 811 814; 1366 812 815; 1367 813 816; 1368 814 815; 1369 815 816
897. 1370 817 766; 1371 817 814; 1372 773 774; 1373 774 824; 1374 775 776
898. 1375 818 811; 1376 818 820; 1377 819 773; 1378 820 774; 1379 819 820
899. 1380 821 772; 1381 775 821; 1382 822 827; 1383 823 803; 1384 822 823
900. 1385 824 822; 1386 825 833; 1387 824 830; 1388 826 851; 1389 827 775
901. 1390 826 829; 1391 828 825; 1392 829 838; 1393 828 847; 1394 830 836
902. 1395 831 827; 1396 830 844; 1397 832 841; 1398 833 826; 1399 832 833
903. 1400 834 843; 1401 822 834; 1402 835 840; 1403 836 839; 1404 837 776
904. 1405 838 831; 1406 838 837; 1407 839 828; 1408 840 777; 1409 840 839
905. 1410 841 829; 1411 841 842; 1412 843 831; 1413 842 843; 1414 844 834
906. 1415 844 845; 1416 845 846; 1417 847 832; 1418 846 847; 1419 848 778
907. 1421 848 849; 1422 850 806; 1423 833 850; 1424 851 779; 1425 852 783
908. 1426 852 853; 1427 853 851; 1428 854 780; 1429 853 854; 1430 855 856
909. 1431 856 857; 1432 857 864; 1433 855 858; 1434 856 859; 1435 857 860
910. 1436 858 859; 1437 859 860; 1438 861 782; 1439 861 858; 1440 790 866
911. 1441 789 862; 1442 862 871; 1443 864 805; 1444 863 865; 1445 865 864
912. 1446 862 869; 1447 866 788; 1448 865 876; 1449 867 866; 1450 868 788
913. 1451 867 868; 1452 869 874; 1453 870 855; 1454 869 872; 1455 871 785
914. 1456 872 870; 1457 871 872; 1458 874 865; 1459 873 874; 1460 876 867
915. 1461 875 876; 1462 877 878; 1463 878 879; 1464 880 881; 1465 882 889
916. 1466 879 887; 1467 883 880; 1468 877 789; 1469 882 885; 1470 881 790
917. 1471 885 863; 1472 885 890; 1473 884 888; 1474 873 884; 1475 884 879
918. 1476 883 886; 1477 886 875; 1478 887 882; 1479 888 885; 1480 887 888
919. 1481 889 883; 1482 890 886; 1483 889 890; 1486 691 824; 1487 694 827
920. 1488 640 773; 1491 767 893; 1492 768 894; 1495 771 897; 1496 772 898
921. 1499 783 901; 1500 784 902; 1503 787 905; 1504 788 906; 1506 893 894
922. 1507 907 893; 1508 895 1297; 1509 897 914; 1510 898 894; 1512 896 913
923. 1518 901 902; 1520 905 918; 1521 904 917; 1522 906 902; 1527 913 892
924. 1528 914 898; 1530 916 901; 1531 917 900; 1532 918 906; 1533 920 919
925. 1534 922 921; 1535 919 907; 1536 920 897; 1537 921 916; 1538 922 905
926. 1539 824 924; 1540 773 923; 1541 923 895; 1542 923 925; 1543 925 924
927. 1544 925 896; 3019 1297 896; 3020 196 329; 3021 329 464; 3022 464 597
928. 3023 597 730; 3024 730 863
929. ELEMENT INCIDENCES SHELL
930. 1634 1090 1003 1004 1089; 1635 1046 1013 500 979; 1636 1039 1037 1098 1124
931. 1637 1021 1019 965 966; 1638 1049 1047 1101 1123; 1639 1009 1063 988 230
932. 1640 926 43 1003 1090; 1641 1007 1073 993 79; 1642 1018 963 892 964
933. 1643 1111 1119 1076 1078; 1644 1076 1007 79 994; 1645 1058 1056 984 985
934. 1646 1005 1083 998 44; 1647 408 1114 1053 1011; 1648 959 960 1024 1025

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

935. 1649 1038 1036 974 975; 1650 1035 1034 1096 1097; 1651 1055 1054 1102 1103
936. 1652 674 1124 1033 1015; 1653 632 952 1039 1014; 1654 1053 1051 982 983
937. 1655 1062 1010 408 1115; 1656 1013 1043 978 500; 1657 956 765 1016 1032
938. 1658 1069 1067 1107 1116; 1659 1061 1060 986 987; 1660 1086 1005 44 999
939. 1661 1011 1053 983 367; 1662 943 944 1055 1057; 1663 960 961 1020 1024
940. 1664 949 950 1044 1045; 1665 807 1120 1023 1017; 1666 951 632 1014 1042
941. 1667 1022 1021 966 967; 1668 1015 1033 973 633; 1669 1040 1038 975 976
942. 1670 43 927 1088 1003; 1671 1054 1052 1122 1102; 1672 1048 1046 979 980
943. 1673 78 932 1079 1006; 1674 934 935 1074 1075; 1675 1073 1071 992 993
944. 1676 1029 1027 1095 1120; 1677 765 957 1029 1016; 1678 1072 1008 273 1117
945. 1679 1065 1064 1105 1106; 1680 1016 1029 1120 807; 1681 1096 1121 1026 1028
946. 1682 1082 1006 140 1119; 1683 1078 1076 994 995; 1684 933 934 1075 1077
947. 1685 1066 1009 230 989; 1686 1075 1074 1108 1109; 1687 1050 1048 980 981
948. 1688 931 78 1006 1082; 1689 1083 1081 997 998; 1690 1089 1004 1005 1086
949. 1691 140 1118 1073 1007; 1692 1056 1011 367 984; 1693 1059 1057 1104 1114
950. 1694 1036 1015 633 974; 1695 1032 1016 807 1121; 1696 1033 1031 972 973
951. 1697 937 938 1067 1069; 1698 939 940 1064 1065; 1699 1017 1023 968 766
952. 1700 1026 1017 766 969; 1701 1099 1125 1036 1038; 1702 273 1116 1063 1009
953. 1703 1028 1026 969 970; 1704 958 959 1025 1027; 1705 948 949 1045 1047
954. 1706 1060 1058 985 986; 1707 940 941 1062 1064; 1708 1006 1079 1118 140
955. 1709 541 1123 1043 1013; 1710 1012 1049 1123 541; 1711 928 929 1085 1087
956. 1712 1052 1012 541 1122; 1713 1102 1122 1046 1048; 1714 936 229 1008 1072
957. 1715 1117 273 1009 1066; 1716 1003 1088 1091 1004; 1717 1002 1090 1089 1001
958. 1718 1004 1091 1083 1005; 1719 1092 912 963 1018; 1720 952 953 1037 1039
959. 1721 1042 1014 674 1125; 1722 947 948 1047 1049; 1723 1041 1040 976 977
960. 1724 366 942 1059 1010; 1725 941 366 1010 1062; 1726 1031 1030 971 972
961. 1727 953 954 1035 1037; 1728 1122 541 1013 1046; 1729 950 951 1042 1044
962. 1730 946 499 1012 1052; 1731 932 933 1077 1079; 1732 8 926 1090 1002
963. 1733 954 955 1034 1035; 1734 499 947 1049 1012; 1735 1118 1110 1071 1073
964. 1736 1087 1085 1112 1113; 1737 929 930 1084 1085; 1738 944 945 1054 1055
965. 1739 1116 1107 1061 1063; 1740 1020 962 912 1092; 1741 229 937 1069 1008
966. 1742 957 958 1027 1029; 1743 945 946 1052 1054; 1744 1115 408 1011 1056
967. 1745 1000 1086 999 9; 1746 930 931 1082 1084; 1747 1119 140 1007 1076
968. 1748 1010 1059 1114 408; 1749 1091 1113 1081 1083; 1750 961 891 962 1020
969. 1751 935 936 1072 1074; 1752 1081 1080 996 997; 1753 1037 1035 1097 1098
970. 1754 1123 1101 1041 1043; 1755 927 928 1087 1088; 1756 942 943 1057 1059
971. 1757 1125 674 1015 1036; 1758 1044 1042 1125 1099; 1759 1068 1066 989 990
972. 1760 1008 1069 1116 273; 1761 1074 1072 1117 1108; 1762 955 956 1032 1034
973. 1763 1025 1024 1093 1094; 1764 938 939 1065 1067; 1765 1100 1099 1038 1040
974. 1766 1101 1100 1040 1041; 1767 1063 1061 987 988; 1768 1043 1041 977 978
975. 1769 1088 1087 1113 1091; 1770 1120 1095 1022 1023; 1771 1105 1115 1056 1058
976. 1772 1114 1104 1051 1053; 1773 1079 1077 1110 1118; 1774 1071 1070 991 992
977. 1775 1001 1089 1086 1000; 1776 1023 1022 967 968; 1777 1121 807 1017 1026
978. 1778 1051 1050 981 982; 1779 1024 1020 1092 1093; 1780 1094 1093 1019 1021
979. 1781 1080 1078 995 996; 1782 1108 1117 1066 1068; 1783 1095 1094 1021 1022
980. 1784 1034 1032 1121 1096; 1785 1064 1062 1115 1105; 1786 1014 1039 1124 674
981. 1787 1124 1098 1031 1033; 1788 1030 1028 970 971; 1789 1019 1018 964 965
982. 1790 1070 1068 990 991; 1791 1084 1082 1119 1111; 1792 1067 1065 1106 1107
983. 1793 1107 1106 1060 1061; 1794 1045 1044 1099 1100; 1795 1113 1112 1080 1081
984. 1796 1104 1103 1050 1051; 1797 1093 1092 1018 1019; 1798 1027 1025 1094 1095
985. 1799 1098 1097 1030 1031; 1800 1110 1109 1070 1071; 1801 1103 1102 1048 1050
986. 1802 1109 1108 1068 1070; 1803 1085 1084 1111 1112; 1804 1077 1075 1109 1110
987. 1805 1112 1111 1078 1080; 1806 1047 1045 1100 1101; 1807 1106 1105 1058 1060
988. 1808 1057 1055 1103 1104; 1809 1097 1096 1028 1030; 1870 233 1174 1237 1156
989. 1871 1167 1254 1168 47; 1872 1191 1189 1129 1130; 1873 1190 960 961 1189
990. 1874 1281 1225 1224 1261; 1875 12 1126 1254 1167; 1876 1180 1181 1259 1219

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

991. 1877 1254 1268 1169 1168; 1878 1158 1241 1240 1157; 1879 1176 229 937 1230
992. 1880 82 1171 1246 1161; 1881 1155 1235 1296 1154; 1882 1179 366 942 1221
993. 1883 1220 943 944 1218; 1884 1260 1215 1182 1181; 1885 1145 1217 1295 1144
994. 1886 1288 1245 1243 1287; 1887 1239 932 933 1238; 1888 1231 1261 1178 1177
995. 1889 1256 1197 1188 1187; 1890 1175 1176 1230 1264; 1891 1213 1257 1184 1183
996. 1892 1181 1182 1212 1259; 1893 1147 1222 1180 503; 1894 503 1180 1219 1146
997. 1895 1212 947 948 1211; 1896 1184 1185 1203 1258; 1897 1196 1269 1191 1193
998. 1898 1265 1242 1173 1172; 1899 1243 930 931 1242; 1900 370 1177 1228 1151
999. 1901 1148 1223 1222 1147; 1902 1188 765 957 1195; 1903 1140 1208 1294 1139
1000. 1904 1206 951 632 1185; 1905 1183 1184 1258 1210; 1906 1139 1294 1205 1138
1001. 1907 1143 1214 1213 1142; 1908 1161 1246 1244 1160; 1909 1225 940 941 1224
1002. 1910 1224 941 366 1179; 1911 1247 928 929 1245; 1912 1133 1196 1193 1132
1003. 1913 1240 1263 1175 1174; 1914 1174 1175 1264 1237; 1915 1177 1178 1262 1228
1004. 1916 1185 632 952 1203; 1917 1195 957 958 1194; 1918 1186 1187 1255 1201
1005. 1919 1152 1231 1177 370; 1920 1153 1232 1231 1152; 1921 1248 927 928 1247
1006. 1922 1245 929 930 1243; 1923 1169 1170 1248 1267; 1924 1242 931 78 1173
1007. 1925 1162 1249 1171 82; 1926 1221 942 943 1220; 1927 1294 1273 1272 1205
1008. 1928 1137 1204 1186 769; 1929 1251 926 43 1170; 1930 1128 8 926 1251
1009. 1931 769 1186 1201 1136; 1932 1214 1275 1257 1213; 1933 1238 933 934 1236
1010. 1934 1234 935 936 1233; 1935 1269 1190 1189 1191; 1936 1192 959 960 1190
1011. 1937 1205 1272 1256 1204; 1938 1172 1173 1239 1266; 1939 1193 1191 1130 1131
1012. 1940 1290 1270 1269 1196; 1941 1218 944 945 1216; 1942 1277 1211 1209 1276
1013. 1943 636 1183 1210 1141; 1944 1233 936 229 1176; 1945 1219 1259 1277 1217
1014. 1946 1173 78 932 1239; 1947 1246 1266 1286 1244; 1948 1215 946 499 1182
1015. 1949 1222 1260 1181 1180; 1950 1278 1216 1215 1260; 1951 1236 934 935 1234
1016. 1952 1241 1284 1263 1240; 1953 47 1168 1253 1166; 1954 1291 1288 1287 1250
1017. 1955 1249 1265 1172 1171; 1956 1138 1205 1204 1137; 1957 1194 958 959 1192
1018. 1958 1135 1199 1290 1134; 1959 1202 953 954 1200; 1960 1182 499 947 1212
1019. 1961 1228 1262 1280 1226; 1962 1235 1283 1282 1296; 1963 1230 937 938 1229
1020. 1964 1227 939 940 1225; 1965 1268 1251 1170 1169; 1966 1209 949 950 1207
1021. 1967 1216 945 946 1215; 1968 1226 1280 1279 1293; 1969 1127 1128 1251 1268
1022. 1970 1170 43 927 1248; 1971 1146 1219 1217 1145; 1972 1171 1172 1266 1246
1023. 1973 1244 1286 1285 1292; 1974 1156 1237 1235 1155; 1975 1270 1192 1190 1269
1024. 1976 1229 938 939 1227; 1977 1274 1202 1200 1273; 1978 1142 1213 1183 636
1025. 1979 1223 1278 1260 1222; 1980 1237 1264 1283 1235; 1981 1292 1285 1284 1241
1026. 1982 1293 1279 1278 1223; 1983 1157 1240 1174 233; 1984 1141 1210 1208 1140
1027. 1985 1207 950 951 1206; 1986 1273 1200 1198 1272; 1987 1166 1253 1252 1165
1028. 1988 1178 1179 1221 1262; 1989 1263 1233 1176 1175; 1990 1284 1234 1233 1263
1029. 1991 1149 1293 1223 1148; 1992 1197 956 765 1188; 1993 1189 961 891 1129
1030. 1994 1211 948 949 1209; 1995 1276 1209 1207 1275; 1996 1283 1229 1227 1282
1031. 1997 1280 1220 1218 1279; 1998 1295 1276 1275 1214; 1999 1163 1250 1249 1162
1032. 2000 1151 1228 1226 1150; 2001 1132 1193 1131 895; 2002 1136 1201 1199 1135
1033. 2003 1282 1227 1225 1281; 2004 1286 1238 1236 1285; 2005 1168 1169 1267 1253
1034. 2006 1203 952 953 1202; 2007 1201 1255 1271 1199; 2008 1257 1206 1185 1184
1035. 2009 1232 1281 1261 1231; 2010 1287 1243 1242 1265; 2011 1199 1271 1270 1290
1036. 2012 1198 955 956 1197; 2013 1296 1282 1281 1232; 2014 1187 1188 1195 1255
1037. 2015 1261 1224 1179 1178; 2016 1285 1236 1234 1284; 2017 1289 1247 1245 1288
1038. 2018 1252 1289 1288 1291; 2019 1253 1267 1289 1252; 2020 1210 1258 1274 1208
1039. 2021 1279 1218 1216 1278; 2022 1200 954 955 1198; 2023 1250 1287 1265 1249
1040. 2024 1159 1292 1241 1158; 2025 1164 1291 1250 1163; 2026 1204 1256 1187 1186
1041. 2027 1262 1221 1220 1280; 2028 1259 1212 1211 1277; 2029 1266 1239 1238 1286
1042. 2030 1144 1295 1214 1143; 2031 1264 1230 1229 1283; 2032 1126 1127 1268 1254
1043. 2033 1255 1195 1194 1271; 2034 1258 1203 1202 1274; 2035 1271 1194 1192 1270
1044. 2036 1267 1248 1247 1289; 2037 1272 1198 1197 1256; 2038 1275 1207 1206 1257
1045. 2039 1134 1290 1196 1133; 2040 1208 1274 1273 1294; 2041 1217 1277 1276 1295
1046. 2042 1150 1226 1293 1149; 2043 1154 1296 1232 1153; 2044 1160 1244 1292 1159



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

1047. 2045 1165 1252 1291 1164; 2106 1338 1433 1432 1337; 2107 1363 1297 1298 1361
1048. 2108 636 1141 1382 1354; 2109 1405 1348 1349 1440; 2110 1132 895 1297 1363
1049. 2111 1433 1339 1340 1432; 2112 1344 1416 1329 83; 2113 1360 1299 896 1300
1050. 2114 1162 82 1342 1425; 2115 1444 1343 1344 1419; 2116 1347 1406 1324 234
1051. 2117 1341 1426 1334 48; 2118 1419 1344 83 1330; 2119 1150 1149 1398 1400
1052. 2120 1149 1148 1397 1398; 2121 1135 1134 1368 1370; 2122 1385 1354 1355 1436
1053. 2123 769 1136 1372 1357; 2124 1353 1386 1314 504; 2125 1352 1438 1386 1353
1054. 2126 1355 1437 1376 1356; 2127 1350 1396 1319 371; 2128 1362 1360 1300 1301
1055. 2129 1133 1132 1363 1367; 2130 1137 769 1357 1375; 2131 1406 1404 1323 1324
1056. 2132 1432 1340 1341 1429; 2133 370 1151 1402 1348; 2134 1348 1402 1441 1349
1057. 2135 1364 1362 1301 1302; 2136 1386 1384 1313 1314; 2137 1142 636 1354 1385
1058. 2138 1381 1379 1310 1311; 2139 1374 1373 1307 1308; 2140 1423 1421 1331 1332
1059. 2141 1429 1341 48 1335; 2142 1395 1351 1352 1439; 2143 1394 1393 1317 1318
1060. 2144 1389 1353 504 1315; 2145 1158 1157 1415 1417; 2146 1416 1414 1328 1329
1061. 2147 1343 1445 1416 1344; 2148 1434 1449 1365 1366; 2149 1445 1464 1414 1416
1062. 2150 1157 233 1345 1415; 2151 1403 1401 1321 1322; 2152 1378 1377 1450 1451
1063. 2153 1354 1382 1437 1355; 2154 1163 1162 1425 1427; 2155 82 1161 1422 1342
1064. 2156 1409 1347 234 1325; 2157 1442 1346 1347 1409; 2158 1146 1145 1390 1392
1065. 2159 1421 1419 1330 1331; 2160 1337 1432 1429 1336; 2161 1167 47 1339 1433
1066. 2162 1161 1160 1420 1422; 2163 1153 1152 1405 1407; 2164 1379 1356 637 1310
1067. 2165 1373 1371 1306 1307; 2166 1345 1412 1443 1346; 2167 1346 1443 1406 1347
1068. 2168 1410 1408 1460 1461; 2169 1408 1407 1459 1460; 2170 1359 1366 1304 770
1069. 2171 1369 1359 770 1305; 2172 47 1166 1431 1339; 2173 1356 1376 1309 637
1070. 2174 233 1156 1412 1345; 2175 1382 1380 1452 1437; 2176 1377 1375 1435 1450
1071. 2177 1365 1364 1302 1303; 2178 1361 1298 1299 1360; 2179 1399 1350 371 1320
1072. 2180 503 1146 1392 1351; 2181 1453 1436 1379 1381; 2182 1154 1153 1407 1408
1073. 2183 1462 1442 1409 1411; 2184 1159 1158 1417 1418; 2185 1457 1456 1391 1393
1074. 2186 1397 1395 1439 1456; 2187 1428 1427 1465 1466; 2188 1439 1352 1353 1389
1075. 2189 1147 503 1351 1395; 2190 1422 1420 1464 1445; 2191 1413 1411 1326 1327
1076. 2192 1430 1428 1466 1467; 2193 1424 1423 1332 1333; 2194 1340 1446 1426 1341
1077. 2195 1357 1372 1434 1358; 2196 1366 1365 1303 1304; 2197 1156 1155 1410 1412
1078. 2198 1392 1390 1455 1438; 2199 1143 1142 1385 1387; 2200 1144 1143 1387 1388
1079. 2201 1407 1405 1440 1459; 2202 1152 370 1348 1405; 2203 1165 1164 1428 1430
1080. 2204 1375 1357 1358 1435; 2205 1138 1137 1375 1377; 2206 1139 1138 1377 1378
1081. 2207 1437 1452 1374 1376; 2208 1387 1385 1436 1453; 2209 1351 1392 1438 1352
1082. 2210 1349 1441 1396 1350; 2211 1425 1342 1343 1444; 2212 1465 1444 1419 1421
1083. 2213 1166 1165 1430 1431; 2214 1415 1345 1346 1442; 2215 1383 1381 1311 1312
1084. 2216 1436 1355 1356 1379; 2217 1151 1150 1400 1402; 2218 1342 1422 1445 1343
1085. 2219 1396 1394 1318 1319; 2220 1411 1409 1325 1326; 2221 1441 1458 1394 1396
1086. 2222 1368 1367 1447 1448; 2223 1449 1448 1364 1365; 2224 1431 1430 1467 1446
1087. 2225 1371 1369 1305 1306; 2226 1450 1435 1369 1371; 2227 1339 1431 1446 1340
1088. 2228 1467 1466 1423 1424; 2229 1148 1147 1395 1397; 2230 1460 1459 1401 1403
1089. 2231 1420 1418 1463 1464; 2232 1134 1133 1367 1368; 2233 1367 1363 1361 1447
1090. 2234 1141 1140 1380 1382; 2235 1391 1389 1315 1316; 2236 1440 1349 1350 1399
1091. 2237 1459 1440 1399 1401; 2238 1164 1163 1427 1428; 2239 1435 1358 1359 1369
1092. 2240 1398 1397 1456 1457; 2241 1401 1399 1320 1321; 2242 1417 1415 1442 1462
1093. 2243 1414 1413 1327 1328; 2244 1380 1378 1451 1452; 2245 1358 1434 1366 1359
1094. 2246 1376 1374 1308 1309; 2247 1400 1398 1457 1458; 2248 1443 1461 1404 1406
1095. 2249 1412 1410 1461 1443; 2250 1370 1368 1448 1449; 2251 1404 1403 1322 1323
1096. 2252 1384 1383 1312 1313; 2253 12 1167 1433 1338; 2254 1448 1447 1362 1364
1097. 2255 1155 1154 1408 1410; 2256 1393 1391 1316 1317; 2257 1455 1454 1383 1384
1098. 2258 1145 1144 1388 1390; 2259 1140 1139 1378 1380; 2260 1136 1135 1370 1372
1099. 2261 1426 1424 1333 1334; 2262 1418 1417 1462 1463; 2263 1336 1429 1335 13
1100. 2264 1160 1159 1418 1420; 2265 1454 1453 1381 1383; 2266 1464 1463 1413 1414
1101. 2267 1466 1465 1421 1423; 2268 1427 1425 1444 1465; 2269 1452 1451 1373 1374
1102. 2270 1458 1457 1393 1394; 2271 1451 1450 1371 1373; 2272 1402 1400 1458 1441



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

1103. 2273 1388 1387 1453 1454; 2274 1463 1462 1411 1413; 2275 1390 1388 1454 1455
1104. 2276 1456 1439 1389 1391; 2277 1447 1361 1360 1362; 2278 1372 1370 1449 1434
1105. 2279 1461 1460 1403 1404; 2280 1446 1467 1424 1426; 2281 1438 1455 1384 1386
1106. 2371 1632 1545 1546 1631; 2372 1588 1555 516 1521; 2373 1581 1579 1640 1666
1107. 2374 1563 1561 1507 1508; 2375 1591 1589 1643 1665; 2376 1551 1605 1530 246
1108. 2377 1468 59 1545 1632; 2378 1549 1615 1535 95; 2379 1560 1505 900 1506
1109. 2380 1653 1661 1618 1620; 2381 1618 1549 95 1536; 2382 1600 1598 1526 1527
1110. 2383 1547 1625 1540 60; 2384 450 1656 1595 1553; 2385 1501 1502 1566 1567
1111. 2386 1580 1578 1516 1517; 2387 1577 1576 1638 1639; 2388 1597 1596 1644 1645
1112. 2389 716 1666 1575 1557; 2390 648 1494 1581 1556; 2391 1595 1593 1524 1525
1113. 2392 1604 1552 450 1657; 2393 1555 1585 1520 516; 2394 1498 781 1558 1574
1114. 2395 1611 1609 1649 1658; 2396 1603 1602 1528 1529; 2397 1628 1547 60 1541
1115. 2398 1553 1595 1525 383; 2399 1485 1486 1597 1599; 2400 1502 1503 1562 1566
1116. 2401 1491 1492 1586 1587; 2402 849 1662 1565 1559; 2403 1493 648 1556 1584
1117. 2404 1564 1563 1508 1509; 2405 1557 1575 1515 649; 2406 1582 1580 1517 1518
1118. 2407 59 1469 1630 1545; 2408 1596 1594 1664 1644; 2409 1590 1588 1521 1522
1119. 2410 94 1474 1621 1548; 2411 1476 1477 1616 1617; 2412 1615 1613 1534 1535
1120. 2413 1571 1569 1637 1662; 2414 781 1499 1571 1558; 2415 1614 1550 315 1659
1121. 2416 1607 1606 1647 1648; 2417 1558 1571 1662 849; 2418 1638 1663 1568 1570
1122. 2419 1624 1548 182 1661; 2420 1620 1618 1536 1537; 2421 1475 1476 1617 1619
1123. 2422 1608 1551 246 1531; 2423 1617 1616 1650 1651; 2424 1592 1590 1522 1523
1124. 2425 1473 94 1548 1624; 2426 1625 1623 1539 1540; 2427 1631 1546 1547 1628
1125. 2428 182 1660 1615 1549; 2429 1598 1553 383 1526; 2430 1601 1599 1646 1656
1126. 2431 1578 1557 649 1516; 2432 1574 1558 849 1663; 2433 1575 1573 1514 1515
1127. 2434 1479 1480 1609 1611; 2435 1481 1482 1606 1607; 2436 1559 1565 1510 782
1128. 2437 1568 1559 782 1511; 2438 1641 1667 1578 1580; 2439 315 1658 1605 1551
1129. 2440 1570 1568 1511 1512; 2441 1500 1501 1567 1569; 2442 1490 1491 1587 1589
1130. 2443 1602 1600 1527 1528; 2444 1482 1483 1604 1606; 2445 1548 1621 1660 182
1131. 2446 583 1665 1585 1555; 2447 1554 1591 1665 583; 2448 1470 1471 1627 1629
1132. 2449 1594 1554 583 1664; 2450 1644 1664 1588 1590; 2451 1478 245 1550 1614
1133. 2452 1659 315 1551 1608; 2453 1545 1630 1633 1546; 2454 1544 1632 1631 1543
1134. 2455 1546 1633 1625 1547; 2456 1634 915 1505 1560; 2457 1494 1495 1579 1581
1135. 2458 1584 1556 716 1667; 2459 1489 1490 1589 1591; 2460 1583 1582 1518 1519
1136. 2461 382 1484 1601 1552; 2462 1483 382 1552 1604; 2463 1573 1572 1513 1514
1137. 2464 1495 1496 1577 1579; 2465 1664 583 1555 1588; 2466 1492 1493 1584 1586
1138. 2467 1488 515 1554 1594; 2468 1474 1475 1619 1621; 2469 24 1468 1632 1544
1139. 2470 1496 1497 1576 1577; 2471 515 1489 1591 1554; 2472 1660 1652 1613 1615
1140. 2473 1629 1627 1654 1655; 2474 1471 1472 1626 1627; 2475 1486 1487 1596 1597
1141. 2476 1658 1649 1603 1605; 2477 1562 1504 915 1634; 2478 245 1479 1611 1550
1142. 2479 1499 1500 1569 1571; 2480 1487 1488 1594 1596; 2481 1657 450 1553 1598
1143. 2482 1542 1628 1541 25; 2483 1472 1473 1624 1626; 2484 1661 182 1549 1618
1144. 2485 1552 1601 1656 450; 2486 1633 1655 1623 1625; 2487 1503 899 1504 1562
1145. 2488 1477 1478 1614 1616; 2489 1623 1622 1538 1539; 2490 1579 1577 1639 1640
1146. 2491 1665 1643 1583 1585; 2492 1469 1470 1629 1630; 2493 1484 1485 1599 1601
1147. 2494 1667 716 1557 1578; 2495 1586 1584 1667 1641; 2496 1610 1608 1531 1532
1148. 2497 1550 1611 1658 315; 2498 1616 1614 1659 1650; 2499 1497 1498 1574 1576
1149. 2500 1567 1566 1635 1636; 2501 1480 1481 1607 1609; 2502 1642 1641 1580 1582
1150. 2503 1643 1642 1582 1583; 2504 1605 1603 1529 1530; 2505 1585 1583 1519 1520
1151. 2506 1630 1629 1655 1633; 2507 1662 1637 1564 1565; 2508 1647 1657 1598 1600
1152. 2509 1656 1646 1593 1595; 2510 1621 1619 1652 1660; 2511 1613 1612 1533 1534
1153. 2512 1543 1631 1628 1542; 2513 1565 1564 1509 1510; 2514 1663 849 1559 1568
1154. 2515 1593 1592 1523 1524; 2516 1566 1562 1634 1635; 2517 1636 1635 1561 1563
1155. 2518 1622 1620 1537 1538; 2519 1650 1659 1608 1610; 2520 1637 1636 1563 1564
1156. 2521 1576 1574 1663 1638; 2522 1606 1604 1657 1647; 2523 1556 1581 1666 716
1157. 2524 1666 1640 1573 1575; 2525 1572 1570 1512 1513; 2526 1561 1560 1506 1507
1158. 2527 1612 1610 1532 1533; 2528 1626 1624 1661 1653; 2529 1609 1607 1648 1649

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

1159. 2530 1649 1648 1602 1603; 2531 1587 1586 1641 1642; 2532 1655 1654 1622 1623
1160. 2533 1646 1645 1592 1593; 2534 1635 1634 1560 1561; 2535 1569 1567 1636 1637
1161. 2536 1640 1639 1572 1573; 2537 1652 1651 1612 1613; 2538 1645 1644 1590 1592
1162. 2539 1651 1650 1610 1612; 2540 1627 1626 1653 1654; 2541 1619 1617 1651 1652
1163. 2542 1654 1653 1620 1622; 2543 1589 1587 1642 1643; 2544 1648 1647 1600 1602
1164. 2545 1599 1597 1645 1646; 2546 1639 1638 1570 1572; 2607 249 1718 1779 1698
1165. 2608 1709 1796 1710 63; 2609 1733 1731 1671 1672; 2610 1732 1502 1503 1731
1166. 2611 1823 1767 1766 1803; 2612 28 1668 1796 1709; 2613 1724 1723 1801 1761
1167. 2614 1796 1810 1711 1710; 2615 1700 1783 1782 1699; 2616 1716 245 1479 1772
1168. 2617 98 1715 1788 1703; 2618 1697 1777 1838 1696; 2619 1719 382 1484 1763
1169. 2620 1762 1485 1486 1760; 2621 1802 1757 1722 1723; 2622 1687 1759 1836 1686
1170. 2623 1830 1787 1785 1829; 2624 1781 1474 1475 1780; 2625 1773 1803 1720 1721
1171. 2626 1798 1739 1728 1729; 2627 1717 1716 1772 1806; 2628 1755 1799 1726 1727
1172. 2629 1723 1722 1754 1801; 2630 1689 1764 1724 519; 2631 519 1724 1761 1688
1173. 2632 1754 1489 1490 1753; 2633 1726 1725 1745 1800; 2634 1738 1811 1733 1735
1174. 2635 1807 1784 1713 1714; 2636 1785 1472 1473 1784; 2637 386 1721 1770 1693
1175. 2638 1690 1765 1764 1689; 2639 1728 781 1499 1737; 2640 1682 1750 1837 1681
1176. 2641 1748 1493 648 1725; 2642 1727 1726 1800 1752; 2643 1681 1837 1747 1680
1177. 2644 1685 1756 1755 1684; 2645 1703 1788 1786 1702; 2646 1767 1482 1483 1766
1178. 2647 1766 1483 382 1719; 2648 1789 1470 1471 1787; 2649 1675 1738 1735 1674
1179. 2650 1782 1805 1717 1718; 2651 1718 1717 1806 1779; 2652 1721 1720 1804 1770
1180. 2653 1725 648 1494 1745; 2654 1737 1499 1500 1736; 2655 1730 1729 1797 1743
1181. 2656 1694 1773 1721 386; 2657 1695 1774 1773 1694; 2658 1790 1469 1470 1789
1182. 2659 1787 1471 1472 1785; 2660 1711 1712 1790 1809; 2661 1784 1473 94 1713
1183. 2662 1704 1791 1715 98; 2663 1763 1484 1485 1762; 2664 1837 1815 1814 1747
1184. 2665 1832 1812 1811 1738; 2666 1679 1746 1730 785; 2667 1793 1468 59 1712
1185. 2668 1670 24 1468 1793; 2669 785 1730 1743 1678; 2670 1756 1817 1799 1755
1186. 2671 1780 1475 1476 1778; 2672 1776 1477 1478 1775; 2673 1811 1732 1731 1733
1187. 2674 1734 1501 1502 1732; 2675 1747 1814 1798 1746; 2676 1714 1713 1781 1808
1188. 2677 1735 1733 1672 1673; 2678 1741 1813 1812 1832; 2679 1760 1486 1487 1758
1189. 2680 1819 1753 1751 1818; 2681 652 1727 1752 1683; 2682 1775 1478 245 1716
1190. 2683 1761 1801 1819 1759; 2684 1713 94 1474 1781; 2685 1788 1808 1828 1786
1191. 2686 1757 1488 515 1722; 2687 1764 1802 1723 1724; 2688 1820 1758 1757 1802
1192. 2689 1778 1476 1477 1776; 2690 1783 1826 1805 1782; 2691 63 1710 1795 1708
1193. 2692 1833 1830 1829 1792; 2693 1791 1807 1714 1715; 2694 1680 1747 1746 1679
1194. 2695 1736 1500 1501 1734; 2696 1744 1495 1496 1742; 2697 1722 515 1489 1754
1195. 2698 1770 1804 1822 1768; 2699 1777 1825 1824 1838; 2700 1772 1479 1480 1771
1196. 2701 1769 1481 1482 1767; 2702 1810 1793 1712 1711; 2703 1751 1491 1492 1749
1197. 2704 1758 1487 1488 1757; 2705 1768 1822 1821 1835; 2706 1669 1670 1793 1810
1198. 2707 1712 59 1469 1790; 2708 1688 1761 1759 1687; 2709 1715 1714 1808 1788
1199. 2710 1786 1828 1827 1834; 2711 1698 1779 1777 1697; 2712 1812 1734 1732 1811
1200. 2713 1771 1480 1481 1769; 2714 1816 1744 1742 1815; 2715 1684 1755 1727 652
1201. 2716 1765 1820 1802 1764; 2717 1779 1806 1825 1777; 2718 1834 1827 1826 1783
1202. 2719 1835 1821 1820 1765; 2720 1699 1782 1718 249; 2721 1683 1752 1750 1682
1203. 2722 1749 1492 1493 1748; 2723 1815 1742 1740 1814; 2724 1708 1795 1794 1707
1204. 2725 1720 1719 1763 1804; 2726 1805 1775 1716 1717; 2727 1826 1776 1775 1805
1205. 2728 1691 1835 1765 1690; 2729 1739 1498 781 1728; 2730 1731 1503 899 1671
1206. 2731 1753 1490 1491 1751; 2732 1818 1751 1749 1817; 2733 1825 1771 1769 1824
1207. 2734 1822 1762 1760 1821; 2735 1836 1818 1817 1756; 2736 1705 1792 1791 1704
1208. 2737 1693 1770 1768 1692; 2738 1674 1735 1673 903; 2739 1678 1743 1741 1677
1209. 2740 1824 1769 1767 1823; 2741 1828 1780 1778 1827; 2742 1710 1711 1809 1795
1210. 2743 1745 1494 1495 1744; 2744 1743 1797 1813 1741; 2745 1799 1748 1725 1726
1211. 2746 1774 1823 1803 1773; 2747 1829 1785 1784 1807; 2748 1740 1497 1498 1739
1212. 2749 1838 1824 1823 1774; 2750 1729 1728 1737 1797; 2751 1803 1766 1719 1720
1213. 2752 1676 1832 1738 1675; 2753 1827 1778 1776 1826; 2754 1831 1789 1787 1830
1214. 2755 1794 1831 1830 1833; 2756 1795 1809 1831 1794; 2757 1752 1800 1816 1750

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

1215. 2758 1821 1760 1758 1820; 2759 1742 1496 1497 1740; 2760 1792 1829 1807 1791
1216. 2761 1701 1834 1783 1700; 2762 1706 1833 1792 1705; 2763 1746 1798 1729 1730
1217. 2764 1804 1763 1762 1822; 2765 1801 1754 1753 1819; 2766 1808 1781 1780 1828
1218. 2767 1686 1836 1756 1685; 2768 1806 1772 1771 1825; 2769 1668 1669 1810 1796
1219. 2770 1797 1737 1736 1813; 2771 1800 1745 1744 1816; 2772 1813 1736 1734 1812
1220. 2773 1809 1790 1789 1831; 2774 1814 1740 1739 1798; 2775 1817 1749 1748 1799
1221. 2776 1677 1741 1832 1676; 2777 1750 1816 1815 1837; 2778 1759 1819 1818 1836
1222. 2779 1692 1768 1835 1691; 2780 1696 1838 1774 1695; 2781 1702 1786 1834 1701
1223. 2782 1707 1794 1833 1706; 2843 1880 1975 1974 1879; 2844 1905 1839 1840 1903
1224. 2845 652 1683 1924 1896; 2846 1947 1890 1891 1982; 2847 1674 903 1839 1905
1225. 2848 1975 1881 1882 1974; 2849 1886 1958 1871 99; 2850 1902 1841 904 1842
1226. 2851 1704 98 1884 1967; 2852 1986 1885 1886 1961; 2853 1889 1948 1866 250
1227. 2854 1883 1968 1876 64; 2855 1961 1886 99 1872; 2856 1692 1691 1940 1942
1228. 2857 1691 1690 1939 1940; 2858 1677 1676 1910 1912; 2859 1927 1896 1897 1978
1229. 2860 785 1678 1914 1899; 2861 1895 1928 1856 520; 2862 1894 1980 1928 1895
1230. 2863 1897 1979 1918 1898; 2864 1892 1938 1861 387; 2865 1904 1902 1842 1843
1231. 2866 1675 1674 1905 1909; 2867 1679 785 1899 1917; 2868 1948 1946 1865 1866
1232. 2869 1974 1882 1883 1971; 2870 386 1693 1944 1890; 2871 1890 1944 1983 1891
1233. 2872 1906 1904 1843 1844; 2873 1928 1926 1855 1856; 2874 1684 652 1896 1927
1234. 2875 1923 1921 1852 1853; 2876 1916 1915 1849 1850; 2877 1965 1963 1873 1874
1235. 2878 1971 1883 64 1877; 2879 1937 1893 1894 1981; 2880 1936 1935 1859 1860
1236. 2881 1931 1895 520 1857; 2882 1700 1699 1957 1959; 2883 1958 1956 1870 1871
1237. 2884 1885 1987 1958 1886; 2885 1976 1991 1907 1908; 2886 1987 2006 1956 1958
1238. 2887 1699 249 1887 1957; 2888 1945 1943 1863 1864; 2889 1920 1919 1992 1993
1239. 2890 1896 1924 1979 1897; 2891 1705 1704 1967 1969; 2892 98 1703 1964 1884
1240. 2893 1951 1889 250 1867; 2894 1984 1888 1889 1951; 2895 1688 1687 1932 1934
1241. 2896 1963 1961 1872 1873; 2897 1879 1974 1971 1878; 2898 1709 63 1881 1975
1242. 2899 1703 1702 1962 1964; 2900 1695 1694 1947 1949; 2901 1921 1898 653 1852
1243. 2902 1915 1913 1848 1849; 2903 1887 1954 1985 1888; 2904 1888 1985 1948 1889
1244. 2905 1952 1950 2002 2003; 2906 1950 1949 2001 2002; 2907 1901 1908 1846 786
1245. 2908 1911 1901 786 1847; 2909 63 1708 1973 1881; 2910 1898 1918 1851 653
1246. 2911 249 1698 1954 1887; 2912 1924 1922 1994 1979; 2913 1919 1917 1977 1992
1247. 2914 1907 1906 1844 1845; 2915 1903 1840 1841 1902; 2916 1941 1892 387 1862
1248. 2917 519 1688 1934 1893; 2918 1995 1978 1921 1923; 2919 1696 1695 1949 1950
1249. 2920 2004 1984 1951 1953; 2921 1701 1700 1959 1960; 2922 1999 1998 1933 1935
1250. 2923 1939 1937 1981 1998; 2924 1970 1969 2007 2008; 2925 1981 1894 1895 1931
1251. 2926 1689 519 1893 1937; 2927 1964 1962 2006 1987; 2928 1955 1953 1868 1869
1252. 2929 1972 1970 2008 2009; 2930 1966 1965 1874 1875; 2931 1882 1988 1968 1883
1253. 2932 1899 1914 1976 1900; 2933 1908 1907 1845 1846; 2934 1698 1697 1952 1954
1254. 2935 1934 1932 1997 1980; 2936 1685 1684 1927 1929; 2937 1686 1685 1929 1930
1255. 2938 1949 1947 1982 2001; 2939 1694 386 1890 1947; 2940 1707 1706 1970 1972
1256. 2941 1917 1899 1900 1977; 2942 1680 1679 1917 1919; 2943 1681 1680 1919 1920
1257. 2944 1979 1994 1916 1918; 2945 1929 1927 1978 1995; 2946 1893 1934 1980 1894
1258. 2947 1891 1983 1938 1892; 2948 1967 1884 1885 1986; 2949 2007 1986 1961 1963
1259. 2950 1708 1707 1972 1973; 2951 1957 1887 1888 1984; 2952 1925 1923 1853 1854
1260. 2953 1978 1897 1898 1921; 2954 1693 1692 1942 1944; 2955 1884 1964 1987 1885
1261. 2956 1938 1936 1860 1861; 2957 1953 1951 1867 1868; 2958 1983 2000 1936 1938
1262. 2959 1910 1909 1989 1990; 2960 1991 1990 1906 1907; 2961 1973 1972 2009 1988
1263. 2962 1913 1911 1847 1848; 2963 1992 1977 1911 1913; 2964 1881 1973 1988 1882
1264. 2965 2009 2008 1965 1966; 2966 1690 1689 1937 1939; 2967 2002 2001 1943 1945
1265. 2968 1962 1960 2005 2006; 2969 1676 1675 1909 1910; 2970 1909 1905 1903 1989
1266. 2971 1683 1682 1922 1924; 2972 1933 1931 1857 1858; 2973 1982 1891 1892 1941
1267. 2974 2001 1982 1941 1943; 2975 1706 1705 1969 1970; 2976 1977 1900 1901 1911
1268. 2977 1940 1939 1998 1999; 2978 1943 1941 1862 1863; 2979 1959 1957 1984 2004
1269. 2980 1956 1955 1869 1870; 2981 1922 1920 1993 1994; 2982 1900 1976 1908 1901
1270. 2983 1918 1916 1850 1851; 2984 1942 1940 1999 2000; 2985 1985 2003 1946 1948

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, 04/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

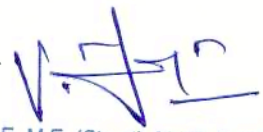
```
1271. 2986 1954 1952 2003 1985; 2987 1912 1910 1990 1991; 2988 1946 1945 1864 1865
1272. 2989 1926 1925 1854 1855; 2990 28 1709 1975 1880; 2991 1990 1989 1904 1906
1273. 2992 1697 1696 1950 1952; 2993 1935 1933 1858 1859; 2994 1997 1996 1925 1926
1274. 2995 1687 1686 1930 1932; 2996 1682 1681 1920 1922; 2997 1678 1677 1912 1914
1275. 2998 1968 1966 1875 1876; 2999 1960 1959 2004 2005; 3000 1878 1971 1877 29
1276. 3001 1702 1701 1960 1962; 3002 1996 1995 1923 1925; 3003 2006 2005 1955 1956
1277. 3004 2008 2007 1963 1965; 3005 1969 1967 1986 2007; 3006 1994 1993 1915 1916
1278. 3007 2000 1999 1935 1936; 3008 1993 1992 1913 1915; 3009 1944 1942 2000 1983
1279. 3010 1930 1929 1995 1996; 3011 2005 2004 1953 1955; 3012 1932 1930 1996 1997
1280. 3013 1998 1981 1931 1933; 3014 1989 1903 1902 1904; 3015 1914 1912 1991 1976
1281. 3016 2003 2002 1945 1946; 3017 1988 2009 1966 1968; 3018 1980 1997 1926 1928
1282. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1283. PARAMETRIC MODEL MESHED SURFACE 6
1284. TYPE WALL
1285. MESH PARAM 0.75 4 1
1286. MESH ORG 0 1 9
1287. BOUNDARY 18
1288. 28 0 0 63 0 0 98 0 0 249 0 0 386 0 0 519 0 0 652 0 0 785 0 0 903 0 0 904 0 0 -
1289. 786 0 0 653 0 0 520 0 0 387 0 0 250 0 0 99 0 0 64 0 0 29 0 0
1290. DENSITY LINE 0 1 26.31 1 1.9 1 26.31 1 0
1291. DENSITY LINE 0 4.1 26.31 1 1.9 4.1 26.31 1 0
1292. DENSITY LINE 0 7.2 26.31 1 1.9 7.2 26.31 1 0
1293. DENSITY LINE 0 10.3 26.31 1 1.9 10.3 26.31 1 0
1294. DENSITY LINE 0 13.4 26.31 1 1.9 13.4 26.31 1 0
1295. DENSITY LINE 0 16.5 26.31 1 1.9 16.5 26.31 1 0
1296. DENSITY LINE 0 19.6 26.31 1 1.9 19.6 26.31 1 0
1297. GENERATED NODES 1839 TO 2009
1298. GENERATED PLATES PLATE 2843 TO 3018
1299. END
1300. !> END GENERATED DATA BLOCK
1301. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1302. PARAMETRIC MODEL MESHED SURFACE 5
1303. TYPE WALL
1304. MESH PARAM 0.75 4 1
1305. MESH ORG 0 1 9
1306. BOUNDARY 18
1307. 28 0 0 24 0 0 59 0 0 94 0 0 245 0 0 382 0 0 515 0 0 648 0 0 781 0 0 899 0 0 -
1308. 903 0 0 785 0 0 652 0 0 519 0 0 386 0 0 249 0 0 98 0 0 63 0 0
1309. DENSITY LINE 0 1 26.31 1 0 1 23.95 1 0
1310. DENSITY LINE 0 4.1 23.95 1 0 4.1 26.31 1 0
1311. DENSITY LINE 0 7.2 23.95 1 0 7.2 26.31 1 0
1312. DENSITY LINE 0 10.3 23.95 1 0 10.3 26.31 1 0
1313. DENSITY LINE 0 13.4 23.95 1 0 13.4 26.31 1 0
1314. DENSITY LINE 0 16.5 23.95 1 0 16.5 26.31 1 0
1315. DENSITY LINE 0 19.6 23.95 1 0 19.6 26.31 1 0
1316. GENERATED NODES 1668 TO 1838
1317. GENERATED PLATES PLATE 2607 TO 2782
1318. END
1319. !> END GENERATED DATA BLOCK
1320. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1321. PARAMETRIC MODEL MESHED SURFACE 4
1322. TYPE WALL
1323. MESH PARAM 0.75 4 1
1324. MESH ORG 0 1 10
1325. BOUNDARY 19
1326. 24 0 0 59 0 0 94 0 0 245 0 0 382 0 0 515 0 0 648 0 0 781 0 0 899 0 0 915 0 0 -
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1327. 900 0 0 782 0 0 649 0 0 516 0 0 383 0 0 246 0 0 95 0 0 60 0 0 25 0 0
1328. DENSITY POINTS 6
1329. 1.22 4.1 23.95 1 1.22 7.2 23.95 1 1.22 10.3 23.95 1 1.22 13.4 23.95 1 -
1330. 1.22 16.5 23.95 1 1.22 19.6 23.95 1
1331. DENSITY LINE 0 1 23.95 1 1.9 1 23.95 1 0
1332. DENSITY LINE 0 4.1 23.95 1 1.22 4.1 23.95 1 0
1333. DENSITY LINE 1.22 4.1 23.95 1 1.9 4.1 23.95 1 0
1334. DENSITY LINE 0 7.2 23.95 1 1.22 7.2 23.95 1 0
1335. DENSITY LINE 1.22 7.2 23.95 1 1.9 7.2 23.95 1 0
1336. DENSITY LINE 0 10.3 23.95 1 1.22 10.3 23.95 1 0
1337. DENSITY LINE 1.22 10.3 23.95 1 1.9 10.3 23.95 1 0
1338. DENSITY LINE 0 13.4 23.95 1 1.22 13.4 23.95 1 0
1339. DENSITY LINE 1.22 13.4 23.95 1 1.9 13.4 23.95 1 0
1340. DENSITY LINE 0 16.5 23.95 1 1.22 16.5 23.95 1 0
1341. DENSITY LINE 1.22 16.5 23.95 1 1.9 16.5 23.95 1 0
1342. DENSITY LINE 0 19.6 23.95 1 1.22 19.6 23.95 1 0
1343. DENSITY LINE 1.22 19.6 23.95 1 1.9 19.6 23.95 1 0
1344. GENERATED NODES 1468 TO 1667
1345. GENERATED PLATES PLATE 2371 TO 2546
1346. END
1347. !> END GENERATED DATA BLOCK
1348. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1349. PARAMETRIC MODEL MESHED SURFACE 3
1350. TYPE WALL
1351. MESH PARAM 0.75 4 1
1352. MESH ORG 0 1 9
1353. BOUNDARY 18
1354. 12 0 0 47 0 0 82 0 0 233 0 0 370 0 0 503 0 0 636 0 0 769 0 0 895 0 0 896 0 0 -
1355. 770 0 0 637 0 0 504 0 0 371 0 0 234 0 0 83 0 0 48 0 0 13 0 0
1356. DENSITY LINE 0 1 9.48 1 1.9 1 9.48 1 0
1357. DENSITY LINE 0 4.1 9.48 1 1.9 4.1 9.48 1 0
1358. DENSITY LINE 0 7.2 9.48 1 1.9 7.2 9.48 1 0
1359. DENSITY LINE 0 10.3 9.48 1 1.9 10.3 9.48 1 0
1360. DENSITY LINE 0 13.4 9.48 1 1.9 13.4 9.48 1 0
1361. DENSITY LINE 0 16.5 9.48 1 1.9 16.5 9.48 1 0
1362. DENSITY LINE 0 19.6 9.48 1 1.9 19.6 9.48 1 0
1363. GENERATED NODES 1297 TO 1467
1364. GENERATED PLATES PLATE 2106 TO 2281
1365. END
1366. !> END GENERATED DATA BLOCK
1367. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1368. PARAMETRIC MODEL MESHED SURFACE 2
1369. TYPE WALL
1370. MESH PARAM 0.75 4 1
1371. MESH ORG 0 1 9
1372. BOUNDARY 18
1373. 12 0 0 8 0 0 43 0 0 78 0 0 229 0 0 366 0 0 499 0 0 632 0 0 765 0 0 891 0 0 -
1374. 895 0 0 769 0 0 636 0 0 503 0 0 370 0 0 233 0 0 82 0 0 47 0 0
1375. DENSITY LINE 0 1 9.48 1 0 1 7.12 1 0
1376. DENSITY LINE 0 4.1 9.48 1 0 4.1 7.12 1 0
1377. DENSITY LINE 0 7.2 9.48 1 0 7.2 7.12 1 0
1378. DENSITY LINE 0 10.3 9.48 1 0 10.3 7.12 1 0
1379. DENSITY LINE 0 13.4 9.48 1 0 13.4 7.12 1 0
1380. DENSITY LINE 0 16.5 9.48 1 0 16.5 7.12 1 0
1381. DENSITY LINE 0 19.6 9.48 1 0 19.6 7.12 1 0
1382. GENERATED NODES 1126 TO 1296
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1383. GENERATED PLATES PLATE 1870 TO 2045
1384. END
1385. !> END GENERATED DATA BLOCK
1386. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1387. PARAMETRIC MODEL MESHED SURFACE 1
1388. TYPE WALL
1389. MESH PARAM 0.75 4 1
1390. MESH ORG 0 1 10
1391. BOUNDARY 19
1392. 8 0 0 43 0 0 78 0 0 229 0 0 366 0 0 499 0 0 632 0 0 765 0 0 891 0 0 912 0 0 -
1393. 892 0 0 766 0 0 633 0 0 500 0 0 367 0 0 230 0 0 79 0 0 44 0 0 9 0 0
1394. DENSITY POINTS 6
1395. 1.22 4.1 7.12 1 1.22 7.2 7.12 1 1.22 10.3 7.12 1 1.22 13.4 7.12 1 -
1396. 1.22 16.5 7.12 1 1.22 19.6 7.12 1
1397. DENSITY LINE 0 1 7.12 1 1.9 1 7.12 1 0
1398. DENSITY LINE 0 4.1 7.12 1 1.22 4.1 7.12 1 0
1399. DENSITY LINE 1.22 4.1 7.12 1 1.9 4.1 7.12 1 0
1400. DENSITY LINE 0 7.2 7.12 1 1.22 7.2 7.12 1 0
1401. DENSITY LINE 1.22 7.2 7.12 1 1.9 7.2 7.12 1 0
1402. DENSITY LINE 0 10.3 7.12 1 1.22 10.3 7.12 1 0
1403. DENSITY LINE 1.22 10.3 7.12 1 1.9 10.3 7.12 1 0
1404. DENSITY LINE 0 13.4 7.12 1 1.22 13.4 7.12 1 0
1405. DENSITY LINE 1.22 13.4 7.12 1 1.9 13.4 7.12 1 0
1406. DENSITY LINE 0 16.5 7.12 1 1.22 16.5 7.12 1 0
1407. DENSITY LINE 1.22 16.5 7.12 1 1.9 16.5 7.12 1 0
1408. DENSITY LINE 0 19.6 7.12 1 1.22 19.6 7.12 1 0
1409. DENSITY LINE 1.22 19.6 7.12 1 1.9 19.6 7.12 1 0
1410. GENERATED NODES 926 TO 1125
1411. GENERATED PLATES PLATE 1634 TO 1809
1412. END
1413. !> END GENERATED DATA BLOCK
1414. START GROUP DEFINITION
1415. FLOOR
1416. _WT 1508 TO 1510 1518 1520 1522 1528 1530 1532 TO 1534 1536 TO 1538 1541 -
1417. 1542 1544 3019
1418. END GROUP DEFINITION
1419. ELEMENT PROPERTY
1420. 1634 TO 1809 1870 TO 2045 2106 TO 2281 2371 TO 2546 2607 TO 2782 -
1421. 2843 TO 3018 THICKNESS 0.23
1422. DEFINE MATERIAL START
1423. ISOTROPIC CONCRETE
1424. E 2.17185E+07
1425. POISSON 0.17
1426. DENSITY 23.5616
1427. ALPHA 1E-05
1428. DAMP 0.05
1429. G 9.28139E+06
1430. TYPE CONCRETE
1431. STRENGTH FCU 27579
1432. END DEFINE MATERIAL
1433. MEMBER PROPERTY
1434. 229 TO 231 239 242 246 PRIS YD 0.9 ZD 1.06
1435. 299 TO 301 305 321 324 PRIS YD 0.8 ZD 0.75
1436. 32 35 67 70 TO 74 76 TO 118 120 TO 122 124 125 127 TO 149 174 175 180 183 -
1437. 188 189 197 200 207 208 210 214 219 TO 221 232 240 243 245 255 281 283 284 -
1438. 289 TO 291 302 TO 304 306 TO 308 310 316 318 333 335 337 340 376 379 387 -
```



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1439. 390 395 405 407 410 413 418 419 422 426 429 434 436 437 440 443 448 TO 450 -
1440. 461 469 472 TO 474 476 TO 478 480 481 484 488 TO 491 493 494 508 510 511 -
1441. 516 TO 518 529 530 533 TO 535 543 560 562 564 567 584 617 618 626 629 634 -
1442. 644 646 649 652 657 658 661 665 668 673 675 676 679 682 687 TO 689 700 708 -
1443. 711 TO 713 715 TO 717 719 720 723 727 TO 730 732 733 747 749 750 755 TO 757 -
1444. 765 766 768 TO 770 778 793 TO 796 842 843 851 854 859 869 871 874 877 882 -
1445. 883 886 890 893 898 900 901 904 907 912 TO 914 925 933 936 TO 938 -
1446. 940 TO 942 944 945 948 952 TO 955 957 958 972 974 975 980 TO 982 990 991 -
1447. 993 TO 995 1003 1018 TO 1021 1067 1068 1076 1079 1084 1094 1096 1099 1102 -
1448. 1107 1108 1111 1115 1118 1123 1125 1126 1129 1132 1137 TO 1139 1150 1158 -
1449. 1161 TO 1163 1165 TO 1167 1169 1170 1173 1177 TO 1180 1182 1183 1197 1199 -
1450. 1200 1205 TO 1207 1215 1216 1218 TO 1220 1228 1243 TO 1246 1292 1293 1301 -
1451. 1304 1309 1319 1321 1324 1327 1332 PRIS YD 0.6 ZD 0.23
1452. 1333 1336 1340 1343 1348 1350 1351 1354 1357 1362 TO 1364 1375 1383 1386 -
1453. 1387 TO 1388 1390 TO 1392 1394 1395 1398 1402 TO 1405 1407 1408 1440 1441 -
1454. 1468 1470 PRIS YD 0.6 ZD 0.23
1455. 1422 1424 1425 1430 TO 1432 1443 TO 1445 1453 1469 1471 1507 1530 -
1456. 1535 TO 1538 PRIS YD 0.6 ZD 0.23
1457. 339 341 342 344 PRIS YD 0.125 ZD 0.23
1458. 150 TO 173 176 TO 179 181 182 184 TO 187 190 191 193 198 201 TO 204 206 209 -
1459. 211 TO 213 215 TO 218 222 TO 228 233 TO 238 241 244 247 TO 254 256 TO 258 -
1460. 260 263 TO 265 268 TO 278 280 282 285 TO 288 292 TO 298 309 311 TO 315 317 -
1461. 319 320 322 323 325 TO 332 334 336 338 343 380 TO 386 388 389 391 TO 394 -
1462. 396 TO 404 406 408 409 411 412 414 TO 417 420 421 423 427 430 TO 433 435 -
1463. 438 439 441 442 444 TO 447 451 TO 460 462 TO 468 470 471 475 479 482 483 -
1464. 485 TO 487 492 495 TO 505 507 509 512 TO 515 519 TO 525 531 536 TO 542 544 -
1465. 545 TO 547 549 550 552 TO 559 568 569 572 TO 581 619 TO 625 627 628 -
1466. 630 TO 633 635 TO 643 645 647 648 650 651 653 TO 656 659 660 662 666 669 -
1467. 670 TO 672 674 677 678 680 681 683 TO 686 690 TO 699 701 TO 707 709 710 714 -
1468. 718 721 722 724 TO 726 731 734 TO 744 746 748 751 TO 754 758 TO 764 767 771 -
1469. 772 TO 777 779 TO 792 797 TO 808 844 TO 850 852 853 855 TO 858 860 TO 868 -
1470. 870 872 873 875 876 878 TO 881 884 885 887 891 894 TO 897 899 902 903 905 -
1471. 906 908 TO 911 915 TO 924 926 TO 932 934 935 939 943 946 947 949 TO 951 956 -
1472. 959 TO 969 971 973 976 PRIS YD 0.45 ZD 0.23
1473. 977 TO 979 983 TO 989 992 996 TO 1002 1004 TO 1017 1022 TO 1033 1069 TO 1075 -
1474. 1077 1078 1080 TO 1083 1085 TO 1093 1095 1097 1098 1100 1101 1103 TO 1106 -
1475. 1109 1110 1112 1116 1119 TO 1122 1124 1127 1128 1130 1131 1133 TO 1136 1140 -
1476. 1141 TO 1149 1151 TO 1157 1159 1160 1164 1168 1171 1172 1174 TO 1176 1181 -
1477. 1184 TO 1194 1196 1198 1201 TO 1204 1208 TO 1214 1217 1221 TO 1227 -
1478. 1229 TO 1242 1247 TO 1258 1294 TO 1300 1302 1303 1305 TO 1308 1310 TO 1318 -
1479. 1320 1322 1323 1325 1326 1328 TO 1331 1334 1335 1337 1341 1344 TO 1347 1349 -
1480. 1352 1353 1355 1356 1358 TO 1361 1365 TO 1374 1376 TO 1382 1384 1385 1389 -
1481. 1393 1396 1397 1399 TO 1401 1406 1409 TO 1419 1421 1423 1426 TO 1429 1433 -
1482. 1434 TO 1439 1442 1446 TO 1452 1454 TO 1467 1472 TO 1483 1506 1508 TO 1510 -
1483. 1512 1518 1520 TO 1522 1527 1528 1531 TO 1534 1541 TO 1544 -
1484. 3019 PRIS YD 0.45 ZD 0.23
1485. 2 TO 4 10 11 14 15 20 TO 23 26 27 37 TO 39 45 46 49 50 55 TO 58 61 62 346 -
1486. 347 TO 348 354 355 358 359 364 TO 367 370 371 586 587 590 TO 592 598 599 602 -
1487. 603 605 TO 608 611 612 811 812 815 TO 817 823 824 827 828 830 TO 833 836 -
1488. 837 1036 1037 1040 TO 1042 1048 1049 1052 1053 1055 TO 1058 1061 1062 1261 -
1489. 1262 1265 TO 1267 1273 1274 1277 1278 1280 TO 1283 1286 1287 1486 1487 1491 -
1490. 1492 1495 1496 1499 1500 1539 PRIS YD 0.45 ZD 0.23
1491. 1 5 TO 7 36 40 TO 42 345 349 TO 351 589 593 TO 595 814 818 TO 820 1039 1043 -
1492. 1044 TO 1045 1264 1268 TO 1270 3020 TO 3024 PRIS YD 0.23 ZD 0.45
1493. 33 34 68 69 PRIS YD 0.6 ZD 0.45
1494. 30 31 65 66 PRIS YD 0.6 ZD 0.3
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1495. 374 375 615 616 840 841 1065 1066 1290 1291 1503 1504 PRIS YD 0.6 ZD 0.23
1496. 16 19 51 54 PRIS YD 0.3 ZD 0.6
1497. 363 588 604 813 829 1038 1054 1263 1279 1488 1540 PRIS YD 0.23 ZD 0.6
1498. 17 18 52 53 PRIS YD 0.6 ZD 0.6
1499. 192 205 259 262 267 PRIS YD 0.9 ZD 0.6
1500. CONSTANTS
1501. MATERIAL CONCRETE ALL
1502. SUPPORTS
1503. 1 TO 35 1000 TO 1002 1126 TO 1128 1336 TO 1338 1542 TO 1544 1668 TO 1670 -
1504. 1878 TO 1880 FIXED
1505. CUT OFF MODE SHAPE 15
1506. DEFINE REFERENCE LOADS
1507. LOAD R1 LOADTYPE MASS  TITLE REF MASS MODEL
1508. MEMBER LOAD
1509. 153 193 206 310 383 423 435 537 622 662 674 772 847 887 899 997 1072 1112 -
1510. 1124 1222 1294 TO 1300 1310 1312 1314 1316 1317 1335 TO 1337 1347 TO 1349 -
1511. 1360 1377 1402 1404 1408 1428 1440 TO 1442 1447 1455 1462 TO 1464 1467 1468 -
1512. 1470 1472 1473 1475 1476 1479 1482 UNI GX 3
1513. 153 193 206 310 383 423 435 537 622 662 674 772 847 887 899 997 1072 1112 -
1514. 1124 1222 1294 TO 1300 1310 1312 1314 1316 1317 1335 TO 1337 1347 TO 1349 -
1515. 1360 1377 1402 1404 1408 1428 1440 TO 1442 1447 1455 1462 TO 1464 1467 1468 -
1516. 1470 1472 1473 1475 1476 1479 1482 UNI GY 3
1517. 153 193 206 310 383 423 435 537 622 662 674 772 847 887 899 997 1072 1112 -
1518. 1124 1222 1294 TO 1300 1310 1312 1314 1316 1317 1335 TO 1337 1347 TO 1349 -
1519. 1360 1377 1402 1404 1408 1428 1440 TO 1442 1447 1455 1462 TO 1464 1467 1468 -
1520. 1470 1472 1473 1475 1476 1479 1482 UNI GZ 3
1521. MEMBER LOAD
1522. 159 TO 161 165 167 178 179 181 211 215 216 218 229 233 235 236 239 241 242 -
1523. 244 246 TO 248 252 256 258 278 282 283 285 286 288 308 309 311 317 319 320 -
1524. 322 323 325 326 339 341 342 344 389 TO 391 395 397 408 409 411 440 444 445 -
1525. 447 458 459 462 464 465 468 470 TO 473 475 TO 477 481 484 485 487 505 509 -
1526. 510 512 513 515 534 TO 536 538 544 546 547 549 550 552 553 567 572 575 628 -
1527. 629 TO 630 634 636 647 648 650 679 683 684 686 697 698 701 703 704 707 709 -
1528. 710 TO 712 714 TO 716 720 723 724 726 744 748 749 751 752 754 769 TO 771 773 -
1529. 779 781 TO 786 796 799 802 853 TO 855 859 861 872 873 875 904 908 909 911 -
1530. 922 923 926 928 929 932 934 TO 937 939 TO 941 945 948 949 951 969 973 974 -
1531. 976 977 979 994 TO 996 998 1004 1006 TO 1011 1021 1024 1027 1078 TO 1080 -
1532. 1084 1086 1097 1098 1100 1129 1133 1134 1136 1147 1148 1151 1153 1154 1157 -
1533. 1159 TO 1162 1164 TO 1166 1170 1173 1174 1176 1194 1198 1199 1201 1202 1204 -
1534. 1219 TO 1221 1223 1229 1231 TO 1236 1246 1249 1252 UNI GX 5
1535. 159 TO 161 165 167 178 179 181 211 215 216 218 229 233 235 236 239 241 242 -
1536. 244 246 TO 248 252 256 258 278 282 283 285 286 288 308 309 311 317 319 320 -
1537. 322 323 325 326 339 341 342 344 389 TO 391 395 397 408 409 411 440 444 445 -
1538. 447 458 459 462 464 465 468 470 TO 473 475 TO 477 481 484 485 487 505 509 -
1539. 510 512 513 515 534 TO 536 538 544 546 547 549 550 552 553 567 572 575 628 -
1540. 629 TO 630 634 636 647 648 650 679 683 684 686 697 698 701 703 704 707 709 -
1541. 710 TO 712 714 TO 716 720 723 724 726 744 748 749 751 752 754 769 TO 771 773 -
1542. 779 781 TO 786 796 799 802 853 TO 855 859 861 872 873 875 904 908 909 911 -
1543. 922 923 926 928 929 932 934 TO 937 939 TO 941 945 948 949 951 969 973 974 -
1544. 976 977 979 994 TO 996 998 1004 1006 TO 1011 1021 1024 1027 1078 TO 1080 -
1545. 1084 1086 1097 1098 1100 1129 1133 1134 1136 1147 1148 1151 1153 1154 1157 -
1546. 1159 TO 1162 1164 TO 1166 1170 1173 1174 1176 1194 1198 1199 1201 1202 1204 -
1547. 1219 TO 1221 1223 1229 1231 TO 1236 1246 1249 1252 UNI GY 5
1548. 159 TO 161 165 167 178 179 181 211 215 216 218 229 233 235 236 239 241 242 -
1549. 244 246 TO 248 252 256 258 278 282 283 285 286 288 308 309 311 317 319 320 -
1550. 322 323 325 326 339 341 342 344 389 TO 391 395 397 408 409 411 440 444 445 -
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS :-
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1551. 447 458 459 462 464 465 468 470 TO 473 475 TO 477 481 484 485 487 505 509 -
1552. 510 512 513 515 534 TO 536 538 544 546 547 549 550 552 553 567 572 575 628 -
1553. 629 TO 630 634 636 647 648 650 679 683 684 686 697 698 701 703 704 707 709 -
1554. 710 TO 712 714 TO 716 720 723 724 726 744 748 749 751 752 754 769 TO 771 773 -
1555. 779 781 TO 786 796 799 802 853 TO 855 859 861 872 873 875 904 908 909 911 -
1556. 922 923 926 928 929 932 934 TO 937 939 TO 941 945 948 949 951 969 973 974 -
1557. 976 977 979 994 TO 996 998 1004 1006 TO 1011 1021 1024 1027 1078 TO 1080 -
1558. 1084 1086 1097 1098 1100 1129 1133 1134 1136 1147 1148 1151 1153 1154 1157 -
1559. 1159 TO 1162 1164 TO 1166 1170 1173 1174 1176 1194 1198 1199 1201 1202 1204 -
1560. 1219 TO 1221 1223 1229 1231 TO 1236 1246 1249 1252 UNI GZ 5
1561. MEMBER LOAD
1562. 83 87 111 112 116 150 TO 152 154 TO 157 164 166 168 170 TO 173 185 -
1563. 190 TO 192 203 TO 205 209 212 213 217 222 TO 226 228 231 234 238 250 253 -
1564. 254 257 259 262 267 269 TO 277 280 287 292 TO 296 298 302 TO 304 312 314 -
1565. 318 327 TO 329 332 333 337 339 341 342 344 380 TO 382 384 TO 387 394 396 -
1566. 398 400 TO 403 415 420 TO 422 432 TO 434 438 441 442 446 451 TO 455 457 460 -
1567. 463 467 479 482 483 486 488 490 494 496 TO 504 507 514 519 TO 523 525 529 -
1568. 530 TO 531 539 541 545 554 TO 556 558 TO 560 564 568 569 577 TO 581 -
1569. 619 TO 621 623 TO 626 633 635 637 639 TO 642 654 659 TO 661 671 TO 673 677 -
1570. 680 681 685 690 TO 694 696 699 702 706 718 721 722 725 727 729 733 -
1571. 735 TO 743 746 753 758 TO 762 764 TO 767 774 776 780 787 TO 789 791 TO 793 -
1572. 795 797 798 804 TO 808 844 TO 846 848 TO 851 858 860 862 864 TO 867 879 884 -
1573. 885 TO 886 896 TO 898 902 905 906 910 915 TO 919 921 924 927 931 943 946 947 -
1574. 950 952 954 958 960 TO 968 971 978 983 TO 987 989 TO 992 999 1001 1005 1012 -
1575. 1013 TO 1014 1016 TO 1018 1020 1022 1023 1029 TO 1033 1069 TO 1071 -
1576. 1073 TO 1076 1083 1085 1087 1089 TO 1092 1104 1109 TO 1111 1121 TO 1123 -
1577. 1127 1130 1131 1135 UNI GX 6
1578. 1140 TO 1144 1146 1149 1152 1156 1168 1171 1172 1175 1177 1179 1183 -
1579. 1185 TO 1193 1196 1203 1208 TO 1212 1214 TO 1217 1224 1226 1230 -
1580. 1237 TO 1239 1241 TO 1243 1245 1247 1248 1254 TO 1258 1329 1334 1346 -
1581. 1352 UNI GX 6
1582. 83 87 111 112 116 150 TO 152 154 TO 157 164 166 168 170 TO 173 185 -
1583. 190 TO 192 203 TO 205 209 212 213 217 222 TO 226 228 231 234 238 250 253 -
1584. 254 257 259 262 267 269 TO 277 280 287 292 TO 296 298 302 TO 304 312 314 -
1585. 318 327 TO 329 332 333 337 339 341 342 344 380 TO 382 384 TO 387 394 396 -
1586. 398 400 TO 403 415 420 TO 422 432 TO 434 438 441 442 446 451 TO 455 457 460 -
1587. 463 467 479 482 483 486 488 490 494 496 TO 504 507 514 519 TO 523 525 529 -
1588. 530 TO 531 539 541 545 554 TO 556 558 TO 560 564 568 569 577 TO 581 -
1589. 619 TO 621 623 TO 626 633 635 637 639 TO 642 654 659 TO 661 671 TO 673 677 -
1590. 680 681 685 690 TO 694 696 699 702 706 718 721 722 725 727 729 733 -
1591. 735 TO 743 746 753 758 TO 762 764 TO 767 774 776 780 787 TO 789 791 TO 793 -
1592. 795 797 798 804 TO 808 844 TO 846 848 TO 851 858 860 862 864 TO 867 879 884 -
1593. 885 TO 886 896 TO 898 902 905 906 910 915 TO 919 921 924 927 931 943 946 947 -
1594. 950 952 954 958 960 TO 968 971 978 983 TO 987 989 TO 992 999 1001 1005 1012 -
1595. 1013 TO 1014 1016 TO 1018 1020 1022 1023 1029 TO 1033 1069 TO 1071 -
1596. 1073 TO 1076 1083 1085 1087 1089 TO 1092 1104 1109 TO 1111 1121 TO 1123 -
1597. 1127 1130 1131 1135 UNI GY 6
1598. 1140 TO 1144 1146 1149 1152 1156 1168 1171 1172 1175 1177 1179 1183 -
1599. 1185 TO 1193 1196 1203 1208 TO 1212 1214 TO 1217 1224 1226 1230 -
1600. 1237 TO 1239 1241 TO 1243 1245 1247 1248 1254 TO 1258 1329 1334 1346 -
1601. 1352 UNI GY 6
1602. 83 87 111 112 116 150 TO 152 154 TO 157 164 166 168 170 TO 173 185 -
1603. 190 TO 192 203 TO 205 209 212 213 217 222 TO 226 228 231 234 238 250 253 -
1604. 254 257 259 262 267 269 TO 277 280 287 292 TO 296 298 302 TO 304 312 314 -
1605. 318 327 TO 329 332 333 337 339 341 342 344 380 TO 382 384 TO 387 394 396 -
1606. 398 400 TO 403 415 420 TO 422 432 TO 434 438 441 442 446 451 TO 455 457 460
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1607. 463 467 479 482 483 486 488 490 494 496 TO 504 507 514 519 TO 523 525 529 -
1608. 530 TO 531 539 541 545 554 TO 556 558 TO 560 564 568 569 577 TO 581 -
1609. 619 TO 621 623 TO 626 633 635 637 639 TO 642 654 659 TO 661 671 TO 673 677 -
1610. 680 681 685 690 TO 694 696 699 702 706 718 721 722 725 727 729 733 -
1611. 735 TO 743 746 753 758 TO 762 764 TO 767 774 776 780 787 TO 789 791 TO 793 -
1612. 795 797 798 804 TO 808 844 TO 846 848 TO 851 858 860 862 864 TO 867 879 884 -
1613. 885 TO 886 896 TO 898 902 905 906 910 915 TO 919 921 924 927 931 943 946 947 -
1614. 950 952 954 958 960 TO 968 971 978 983 TO 987 989 TO 992 999 1001 1005 1012 -
1615. 1013 TO 1014 1016 TO 1018 1020 1022 1023 1029 TO 1033 1069 TO 1071 -
1616. 1073 TO 1076 1083 1085 1087 1089 TO 1092 1104 1109 TO 1111 1121 TO 1123 -
1617. 1127 1130 1131 1135 UNI GZ 6
1618. 1140 TO 1144 1146 1149 1152 1156 1168 1171 1172 1175 1177 1179 1183 -
1619. 1185 TO 1193 1196 1203 1208 TO 1212 1214 TO 1217 1224 1226 1230 -
1620. 1237 TO 1239 1241 TO 1243 1245 1247 1248 1254 TO 1258 1329 1334 1346 -
1621. 1352 UNI GZ 6
1622. MEMBER LOAD
1623. 105 129 175 TO 177 180 183 184 187 TO 189 197 198 200 TO 202 207 208 -
1624. 219 TO 221 227 232 237 240 264 268 281 284 289 TO 291 297 306 313 316 405 -
1625. 406 TO 407 410 413 414 417 TO 419 426 427 429 TO 431 436 437 448 TO 450 456 -
1626. 461 466 469 492 495 508 511 516 TO 518 524 533 540 543 644 TO 646 649 652 -
1627. 653 656 TO 658 665 666 668 TO 670 675 676 687 TO 689 695 700 705 708 731 -
1628. 734 747 750 755 TO 757 763 768 775 778 869 TO 871 874 877 878 881 TO 883 -
1629. 890 891 893 TO 895 900 901 912 TO 914 920 925 930 933 956 959 972 975 980 -
1630. 981 TO 982 988 993 1000 1003 1094 TO 1096 1099 1102 1103 1106 TO 1108 1115 -
1631. 1116 1118 TO 1120 1125 1126 1137 TO 1139 1145 1150 1155 1158 1181 1184 1197 -
1632. 1200 1205 TO 1207 1213 1218 1225 1228 1319 TO 1321 1324 1327 1328 -
1633. 1331 TO 1333 1340 1341 1343 TO 1345 1350 1351 1362 TO 1364 1370 1375 1380 -
1634. 1383 1422 1425 1430 TO 1432 1438 1443 1450 1453 UNI GX 7
1635. 105 129 175 TO 177 180 183 184 187 TO 189 197 198 200 TO 202 207 208 -
1636. 219 TO 221 227 232 237 240 264 268 281 284 289 TO 291 297 306 313 316 405 -
1637. 406 TO 407 410 413 414 417 TO 419 426 427 429 TO 431 436 437 448 TO 450 456 -
1638. 461 466 469 492 495 508 511 516 TO 518 524 533 540 543 644 TO 646 649 652 -
1639. 653 656 TO 658 665 666 668 TO 670 675 676 687 TO 689 695 700 705 708 731 -
1640. 734 747 750 755 TO 757 763 768 775 778 869 TO 871 874 877 878 881 TO 883 -
1641. 890 891 893 TO 895 900 901 912 TO 914 920 925 930 933 956 959 972 975 980 -
1642. 981 TO 982 988 993 1000 1003 1094 TO 1096 1099 1102 1103 1106 TO 1108 1115 -
1643. 1116 1118 TO 1120 1125 1126 1137 TO 1139 1145 1150 1155 1158 1181 1184 1197 -
1644. 1200 1205 TO 1207 1213 1218 1225 1228 1319 TO 1321 1324 1327 1328 -
1645. 1331 TO 1333 1340 1341 1343 TO 1345 1350 1351 1362 TO 1364 1370 1375 1380 -
1646. 1383 1422 1425 1430 TO 1432 1438 1443 1450 1453 UNI GY 7
1647. 105 129 175 TO 177 180 183 184 187 TO 189 197 198 200 TO 202 207 208 -
1648. 219 TO 221 227 232 237 240 264 268 281 284 289 TO 291 297 306 313 316 405 -
1649. 406 TO 407 410 413 414 417 TO 419 426 427 429 TO 431 436 437 448 TO 450 456 -
1650. 461 466 469 492 495 508 511 516 TO 518 524 533 540 543 644 TO 646 649 652 -
1651. 653 656 TO 658 665 666 668 TO 670 675 676 687 TO 689 695 700 705 708 731 -
1652. 734 747 750 755 TO 757 763 768 775 778 869 TO 871 874 877 878 881 TO 883 -
1653. 890 891 893 TO 895 900 901 912 TO 914 920 925 930 933 956 959 972 975 980 -
1654. 981 TO 982 988 993 1000 1003 1094 TO 1096 1099 1102 1103 1106 TO 1108 1115 -
1655. 1116 1118 TO 1120 1125 1126 1137 TO 1139 1145 1150 1155 1158 1181 1184 1197 -
1656. 1200 1205 TO 1207 1213 1218 1225 1228 1319 TO 1321 1324 1327 1328 -
1657. 1331 TO 1333 1340 1341 1343 TO 1345 1350 1351 1362 TO 1364 1370 1375 1380 -
1658. 1383 1422 1425 1430 TO 1432 1438 1443 1450 1453 UNI GZ 7
1659. MEMBER LOAD
1660. 71 72 81 93 96 109 125 128 138 140 UNI GX 13
1661. 71 72 81 93 96 109 125 128 138 140 UNI GY 13
1662. 71 72 81 93 96 109 125 128 138 140 UNI GZ 13
```

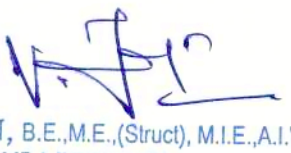


V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1663. FLOOR LOAD
1664. YRANGE 4 22.8 FLOAD 3.125 GX
1665. YRANGE 4 22.8 FLOAD 3.125 GY
1666. YRANGE 4 22.8 FLOAD 3.125 GZ
1667. FLOOR LOAD
1668. YRANGE 4 19.7 FLOAD 2 GX
1669. YRANGE 4 19.7 FLOAD 2 GY
1670. YRANGE 4 19.7 FLOAD 2 GZ
1671. FLOOR LOAD
1672. YRANGE 19.5 19.7 FLOAD 1.8 GX
1673. YRANGE 19.5 19.7 FLOAD 1.8 GY
1674. YRANGE 19.5 19.7 FLOAD 1.8 GZ
1675. FLOOR LOAD
1676. _WT FLOAD 15 GX
1677. _WT FLOAD 15 GY
1678. _WT FLOAD 15 GZ
1679. SELFWEIGHT X 1
1680. SELFWEIGHT Y 1
1681. SELFWEIGHT Z 1
1682. FLOOR LOAD
1683. YRANGE 4 19.5 FLOAD 0.5 GX
1684. YRANGE 4 19.5 FLOAD 0.5 GY
1685. YRANGE 4 19.5 FLOAD 0.5 GZ
1686. END DEFINE REFERENCE LOADS

 *** NOTE: MASS MODEL FORMED WILL BE USED IN SEISMIC/RESPONSE/TIME HISTORY LOADING, IF ANY.
           IF MASS MODEL IS SEPARATELY PROVIDED IN INDIVIDUAL LOADING, THE GENERATED MASS
           WILL BE REPLACED BY THE MASS PROVIDED IN INDIVIDUAL LOADING.

1687. FLOOR DIAPHRAGM
1688. DIA 1 TYPE RIG HEI 4.1
1689. DIA 2 TYPE RIG HEI 7.2
1690. DIA 3 TYPE RIG HEI 10.3
1691. DIA 4 TYPE RIG HEI 13.4
1692. DIA 5 TYPE RIG HEI 16.5
1693. DIA 6 TYPE RIG HEI 19.6
```



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

FLOOR DIAPHRAGM

****

FLOOR DIAPHRAGM UNIT - KN METE

NO.	TYPE	FL. LEVEL	FL. WT	CENTRE OF MASS X	Z	CONTROL JOINT NO.
1	RIGID	4.100	4810.21	5.468	17.068	2010
2	RIGID	7.200	4300.04	5.487	16.767	2011
3	RIGID	10.300	4300.00	5.487	16.767	2012
4	RIGID	13.400	4300.01	5.487	16.767	2013
5	RIGID	16.500	4300.08	5.486	16.767	2014
6	RIGID	19.600	3601.02	5.614	16.876	2015

****

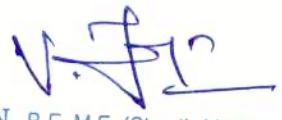
```
1695. DEFINE IS1893 2016 LOAD
1696. ZONE 0.16 RF 5 I 1 SS 2 ST 4 DM 0.05 PX 1.039 PZ 1.314
1697. DEFINE WIND LOAD

 **WARNING: WALL AREA command should be present with ST = 4. Ref Clause 7.6.2b.
1698. TYPE 1 IS875 RECT CLAD (+X)
1699. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1700. IS875-2015:PARAMS 1 0 0 22.700 0.000 5.000 0 CHENNAI 50.000 0 1.000 2 6 -
1701. 0.910 0.910 0.910 0.970 1.010 1.023 1.000 2 1.000 0.200 0 10.380 33.430 -
1702. 22.700 1 1 1 0.200 0 0 4 0 4 1.000 0.000 0.000 0.000 NA NA 6 0.000 0.000 -
1703. 0.000 0.000 0.000 0.000 1 1 4 0.000 1.000 0.000 0.000 NA NA 6 0.000 0.000 -
1704. 0.000 0.000 0.000 0.000 1 2 4 0.000 0.000 1.000 0.000 NA NA 6 0.000 0.000 -
1705. 0.000 0.000 0.000 0.000 1 3 4 0.000 0.000 0.000 1.000 NA NA 6 0.000 0.000 -
1706. 0.000 0.000 0.000 0.000 1 0.900 1.000 0.900 TYPES 4 1 2 3 4 LOADS 4 13 14 15 -
1707. 16
1708. !> END GENERATED DATA BLOCK
1709. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27278 HEIG 0 5 10 15 20 22.7
1710. TYPE 2 IS875 RECT CLAD (-X)
1711. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1712. IS875-2015:PARAMS 1  1
1713. !> END GENERATED DATA BLOCK
1714. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27278 HEIG 0 5 10 15 20 22.7
1715. TYPE 3 IS875 RECT CLAD (+Z)
1716. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1717. IS875-2015:PARAMS 1  1
1718. !> END GENERATED DATA BLOCK
1719. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27278 HEIG 0 5 10 15 20 22.7
1720. TYPE 4 IS875 RECT CLAD (-Z)
1721. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1722. IS875-2015:PARAMS 1  1
1723. !> END GENERATED DATA BLOCK
1724. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27278 HEIG 0 5 10 15 20 22.7
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

STAAD SPACE -- PAGE NO. 33

```
1725. LOAD 5 LOADTYPE SEISMIC-H  TITLE EQ+X
1726. 1893 LOAD X 1
1727. LOAD 6 LOADTYPE SEISMIC-H  TITLE EQ-X
1728. 1893 LOAD X -1.
1729. LOAD 7 LOADTYPE SEISMIC-H  TITLE EQ+Z
1730. 1893 LOAD Z 1
1731. LOAD 8 LOADTYPE SEISMIC-H  TITLE EQ-Z
1732. 1893 LOAD Z -1.
1733. LOAD 1 LOADTYPE DEAD  TITLE DL
1734. MEMBER LOAD
1735. 153 193 206 310 383 423 435 537 622 662 674 772 847 887 899 997 1072 1112 -
1736. 1124 1222 1294 TO 1300 1310 1312 1314 1316 1317 1335 TO 1337 1347 TO 1349 -
1737. 1360 1377 1402 1404 1408 1428 1440 TO 1442 1447 1455 1462 TO 1464 1467 1468 -
1738. 1470 1472 1473 1475 1476 1479 1482 UNI GY -3
1739. 159 TO 161 165 167 178 179 181 211 215 216 218 229 233 235 236 239 241 242 -
1740. 244 246 TO 248 252 256 258 278 282 283 285 286 288 308 309 311 317 319 320 -
1741. 322 323 325 326 339 341 342 344 389 TO 391 395 397 408 409 411 440 444 445 -
1742. 447 458 459 462 464 465 468 470 TO 473 475 TO 477 481 484 485 487 505 509 -
1743. 510 512 513 515 534 TO 536 538 544 546 547 549 550 552 553 567 572 575 628 -
1744. 629 TO 630 634 636 647 648 650 679 683 684 686 697 698 701 703 704 707 709 -
1745. 710 TO 712 714 TO 716 720 723 724 726 744 748 749 751 752 754 769 TO 771 773 -
1746. 779 781 TO 786 796 799 802 853 TO 855 859 861 872 873 875 904 908 909 911 -
1747. 922 923 926 928 929 932 934 TO 937 939 TO 941 945 948 949 951 969 973 974 -
1748. 976 977 979 994 TO 996 998 1004 1006 TO 1011 1021 1024 1027 1078 TO 1080 -
1749. 1084 1086 1097 1098 1100 1129 1133 1134 1136 1147 1148 1151 1153 1154 1157 -
1750. 1159 TO 1162 1164 TO 1166 1170 1173 1174 1176 1194 1198 1199 1201 1202 1204 -
1751. 1219 TO 1221 1223 1229 1231 TO 1236 1246 1249 1252 UNI GY -5
1752. 83 87 111 112 116 150 TO 152 154 TO 157 164 166 168 170 TO 173 185 -
1753. 190 TO 192 203 TO 205 209 212 213 217 222 TO 226 228 231 234 238 250 253 -
1754. 254 257 259 262 267 269 TO 277 280 287 292 TO 296 298 302 TO 304 312 314 -
1755. 318 327 TO 329 332 333 337 339 341 342 344 380 TO 382 384 TO 387 394 396 -
1756. 398 400 TO 403 415 420 TO 422 432 TO 434 438 441 442 446 451 TO 455 457 460 -
1757. 463 467 479 482 483 486 488 490 494 496 TO 504 507 514 519 TO 523 525 529 -
1758. 530 TO 531 539 541 545 554 TO 556 558 TO 560 564 568 569 577 TO 581 -
1759. 619 TO 621 623 TO 626 633 635 637 639 TO 642 654 659 TO 661 671 TO 673 677 -
1760. 680 681 685 690 TO 694 696 699 702 706 718 721 722 725 727 729 733 -
1761. 735 TO 743 746 753 758 TO 762 764 TO 767 774 776 780 787 TO 789 791 TO 793 -
1762. 795 797 798 804 TO 808 844 TO 846 848 TO 851 858 860 862 864 TO 867 879 884 -
1763. 885 TO 886 896 TO 898 902 905 906 910 915 TO 919 921 924 927 931 943 946 947 -
1764. 950 952 954 958 960 TO 968 971 978 983 TO 987 989 TO 992 999 1001 1005 1012 -
1765. 1013 TO 1014 1016 TO 1018 1020 1022 1023 1029 TO 1033 1069 TO 1071 -
1766. 1073 TO 1076 1083 1085 1087 1089 TO 1092 1104 1109 TO 1111 1121 TO 1123 -
1767. 1127 1130 1131 1135 UNI GY -6
1768. 1140 TO 1144 1146 1149 1152 1156 1168 1171 1172 1175 1177 1179 1183 -
```



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1769. 1185 TO 1193 1196 1203 1208 TO 1212 1214 TO 1217 1224 1226 1230 -
1770. 1237 TO 1239 1241 TO 1243 1245 1247 1248 1254 TO 1258 1329 1334 1346 -
1771. 1352 UNI GY -6
1772. 105 129 175 TO 177 180 183 184 187 TO 189 197 198 200 TO 202 207 208 -
1773. 219 TO 221 227 232 237 240 264 268 281 284 289 TO 291 297 306 313 316 405 -
1774. 406 TO 407 410 413 414 417 TO 419 426 427 429 TO 431 436 437 448 TO 450 456 -
1775. 461 466 469 492 495 508 511 516 TO 518 524 533 540 543 644 TO 646 649 652 -
1776. 653 656 TO 658 665 666 668 TO 670 675 676 687 TO 689 695 700 705 708 731 -
1777. 734 747 750 755 TO 757 763 768 775 778 869 TO 871 874 877 878 881 TO 883 -
1778. 890 891 893 TO 895 900 901 912 TO 914 920 925 930 933 956 959 972 975 980 -
1779. 981 TO 982 988 993 1000 1003 1094 TO 1096 1099 1102 1103 1106 TO 1108 1115 -
1780. 1116 1118 TO 1120 1125 1126 1137 TO 1139 1145 1150 1155 1158 1181 1184 1197 -
1781. 1200 1205 TO 1207 1213 1218 1225 1228 1319 TO 1321 1324 1327 1328 -
1782. 1331 TO 1333 1340 1341 1343 TO 1345 1350 1351 1362 TO 1364 1370 1375 1380 -
1783. 1383 1422 1425 1430 TO 1432 1438 1443 1450 1453 UNI GY -7
1784. 71 72 81 93 96 109 125 128 138 140 UNI GY -13
1785. FLOOR LOAD
1786. YRANGE 4 22.8 FLOAD -3.125 GY
**NOTE** about Floor/OneWay Loads/Weights.
 Please note that depending on the shape of the floor you may
 have to break up the FLOOR/ONEWAY LOAD into multiple commands.
 For details please refer to Technical Reference Manual
 Section 5.32.4.2 Note d and/or "5.32.4.3 Note f.

1787. YRANGE 4 19.7 FLOAD -2 GY
1788. YRANGE 19.5 19.7 FLOAD -1.8 GY
1789. _WT FLOAD -15 GY
**NOTE** about FLOOR GROUP command
 All floor panels in a floor group should lie in a single plane.
 If not lying in a single plane break single FLOOR GROUP
 command into multiple FLOOR GROUP commands where each
 floor group lie in a single plane / height.

1790. SELFWEIGHT Y -1
1791. LOAD 2 LOADTYPE LIVE  TITLE LL
1792. FLOOR LOAD
1793. YRANGE 4 19.5 FLOAD -2 GY
1794. YRANGE 19.5 19.7 FLOAD -1.5 GY
1795. LOAD 9 LOADTYPE SEISMIC-H  TITLE RS+X
1796. SPECTRUM CQC IS1893 2016 X 0.016 SCALE 1.416 DAMP 0.05
1797. SOIL TYPE 2
1798. LOAD 10 LOADTYPE SEISMIC-H  TITLE RS-X
1799. SPECTRUM CQC IS1893 2016 X -0.016 SCALE 1.416 DAMP 0.05
1800. SOIL TYPE 2
1801. LOAD 11 LOADTYPE SEISMIC-H  TITLE RS+Z
1802. SPECTRUM CQC IS1893 2016 Z 0.016 SCALE 1.194 DAMP 0.05
1803. SOIL TYPE 2
1804. LOAD 12 LOADTYPE SEISMIC-H  TITLE RS-Z
1805. SPECTRUM CQC IS1893 2016 Z -0.016 SCALE 1.194 DAMP 0.05
1806. SOIL TYPE 2
```



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

```
1807. LOAD 13 LOADTYPE WIND  TITLE WIND (+X) IS875 RECT CLAD
1808. WIND LOAD X 1 TYPE 1
1809. LOAD 14 LOADTYPE WIND  TITLE WIND (-X) IS875 RECT CLAD
1810. WIND LOAD X -1 TYPE 2
1811. LOAD 15 LOADTYPE WIND  TITLE WIND (+Z) IS875 RECT CLAD
1812. WIND LOAD Z 1 TYPE 3
1813. LOAD 16 LOADTYPE WIND  TITLE WIND (-Z) IS875 RECT CLAD
1814. WIND LOAD Z -1 TYPE 4
1815. LOAD COMB 3 DL+LL
1816. 1 1.0 2 1.0
1817. LOAD COMB 4 1.5DL+1.5LL
1818. 1 1.5 2 1.5
1819. LOAD COMB 17 DL+RS(+X)
1820. 1 1.0 9 1.0
1821. LOAD COMB 18 DL+RS(-X)
1822. 1 1.0 10 1.0
1823. LOAD COMB 19 DL+RS(+Z)
1824. 1 1.0 11 1.0
1825. LOAD COMB 20 DL+RS(-Z)
1826. 1 1.0 12 1.0
1827. LOAD COMB 21 DL+WL(+X)
1828. 1 1.0 13 1.0
1829. LOAD COMB 22 DL+WL(-X)
1830. 1 1.0 14 1.0
1831. LOAD COMB 23 DL+WL(+Z)
1832. 1 1.0 15 1.0
1833. LOAD COMB 24 DL+WL(-Z)
1834. 1 1.0 16 1.0
1835. LOAD COMB 25 1.0DL+0.8LL+0.8RS(+X)
1836. 1 1.0 9 0.8 2 0.8
1837. LOAD COMB 26 1.0DL+0.8LL+0.8RS(-X)
1838. 1 1.0 10 0.8 2 0.8
1839. LOAD COMB 27 1.0DL+0.8LL+0.8RS(+Z)
1840. 1 1.0 11 0.8 2 0.8
1841. LOAD COMB 28 1.0DL+0.8LL+0.8RS(-Z)
1842. 1 1.0 12 0.8 2 0.8
1843. LOAD COMB 29 1.0DL+0.8LL+0.8WL(+X)
1844. 1 1.0 13 0.8 2 0.8
1845. LOAD COMB 30 1.0DL+0.8LL+0.8WL(-X)
1846. 1 1.0 14 0.8 2 0.8
1847. LOAD COMB 31 1.0DL+0.8LL+0.8WL(+Z)
1848. 1 1.0 15 0.8 2 0.8
1849. LOAD COMB 32 1.0DL+0.8LL+0.8WL(-Z)
1850. 1 1.0 16 0.8 2 0.8
```



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

STAAD SPACE


```
1851. LOAD COMB 33 1.2DL+1.2LL+1.2RS(+X)
1852. 1 1.2 2 1.2 9 1.2
1853. LOAD COMB 34 1.2DL+1.2LL+1.2RS(-X)
1854. 1 1.2 2 1.2 10 1.2
1855. LOAD COMB 35 1.2DL+1.2LL+1.2RS(+Z)
1856. 1 1.2 2 1.2 11 1.2
1857. LOAD COMB 36 1.2DL+1.2LL+1.2RS(-Z)
1858. 1 1.2 2 1.2 12 1.2
1859. LOAD COMB 37 1.2DL+1.2LL+1.2WL(+X)
1860. 1 1.2 2 1.2 13 1.2
1861. LOAD COMB 38 1.2DL+1.2LL+1.2WL(-X)
1862. 1 1.2 2 1.2 14 1.2
1863. LOAD COMB 39 1.2DL+1.2LL+1.2WL(+Z)
1864. 1 1.2 2 1.2 15 1.2
1865. LOAD COMB 40 1.2DL+1.2LL+1.2WL(-Z)
1866. 1 1.2 2 1.2 16 1.2
1867. LOAD COMB 41 0.9DL+1.5RS(+X)
1868. 1 0.9 9 1.5
1869. LOAD COMB 42 0.9DL+1.5RS(-X)
1870. 1 0.9 10 1.5
1871. LOAD COMB 43 0.9DL+1.5RS(+Z)
1872. 1 0.9 11 1.5
1873. LOAD COMB 44 0.9DL+1.5RS(-Z)
1874. 1 0.9 12 1.5
1875. LOAD COMB 45 0.9DL+1.5WL(+X)
1876. 1 0.9 13 1.5
1877. LOAD COMB 46 0.9DL+1.5WL(-X)
1878. 1 0.9 14 1.5
1879. LOAD COMB 47 0.9DL+1.5WL(+Z)
1880. 1 0.9 15 1.5
1881. LOAD COMB 48 0.9DL+1.5WL(-Z)
1882. 1 0.9 16 1.5
1883. LOAD COMB 49 1.5DL+1.5RS(+X)
1884. 1 1.5 9 1.5
1885. LOAD COMB 50 1.5DL+1.5RS(-X)
1886. 1 1.5 10 1.5
1887. LOAD COMB 51 1.5DL+1.5RS(+Z)
1888. 1 1.5 11 1.5
1889. LOAD COMB 52 1.5DL+1.5RS(-Z)
1890. 1 1.5 12 1.5
1891. LOAD COMB 53 1.5DL+1.5WL(+X)
1892. 1 1.5 13 1.5
1893. LOAD COMB 54 1.5DL+1.5WL(-X)
1894. 1 1.5 14 1.5
1895. LOAD COMB 55 1.5DL+1.5WL(+Z)
1896. 1 1.5 15 1.5
1897. LOAD COMB 56 1.5DL+1.5WL(-Z)
1898. 1 1.5 16 1.5
1899. PERFORM ANALYSIS
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

P R O B L E M S T A T I S T I C S

NUMBER OF JOINTS	2007	NUMBER OF MEMBERS	1414
NUMBER OF PLATES	1056	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	53

Using 64-bit analysis engine.

SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

TOTAL PRIMARY LOAD CASES = 14, TOTAL DEGREES OF FREEDOM = 9042
TOTAL LOAD COMBINATION CASES = 42 SO FAR.

***NOTE: MASSES DEFINED UNDER LOAD# 9 WILL FORM
THE FINAL MASS MATRIX FOR DYNAMIC ANALYSIS.

**WARNING: IF THIS UBC/IBC ANALYSIS HAS TENSION/COMPRESSION
OR REPEAT LOAD OR RE-ANALYSIS OR SELECT OPTIMIZE, THEN EACH
UBC/IBC CASE SHOULD BE FOLLOWED BY PERFORM ANALYSIS & CHANGE.

***NOTE: Equivalent Static Analysis should preferably be performed for regular
structures with approximate natural time period less than 0.4s and regular
structures with height less than 15m in Seismic Zone II. Ref Cl.6.4.3 and 7.6
BASE SHEAR AND TIME PERIOD IN X

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR X 1893 LOADING =    1.03900 SEC       *
* SA/G PER 1893=    1.309, LOAD FACTOR= 1.000           *
* VB PER 1893=    0.0209 X    28639.51=     599.80 KN   *
* VB Act Based on Clause 7.2.1 =      599.80 KN         *
* VB Min based on Clause 7.2.2 =      315.03 KN         *
*                                                       *
*********************************************************
```

***NOTE: Equivalent Static Analysis should preferably be performed for regular
structures with approximate natural time period less than 0.4s and regular
structures with height less than 15m in Seismic Zone II. Ref Cl.6.4.3 and 7.6
BASE SHEAR AND TIME PERIOD IN X

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR X 1893 LOADING =    1.03900 SEC       *
* SA/G PER 1893=    1.309, LOAD FACTOR=-1.000           *
* VB PER 1893=    0.0209 X    28639.51=    -599.80 KN   *
* VB Act Based on Clause 7.2.1 =     -599.80 KN         *
* VB Min based on Clause 7.2.2 =     -315.03 KN         *
*                                                       *
*********************************************************
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

***NOTE: Equivalent Static Analysis should preferably be performed for regular
structures with approximate natural time period less than 0.4s and regular
structures with height less than 15m in Seismic Zone II. Ref Cl.6.4.3 and 7.6

STAAD SPACE -- PAGE NO. 38

BASE SHEAR AND TIME PERIOD IN Z

```
   ********************************************************
   * UNITS - KN    METE                                   *
   * TIME PERIOD FOR Z 1893 LOADING =    1.31400 SEC      *
   * SA/G PER 1893=    1.035, LOAD FACTOR= 1.000          *
   * VB PER 1893=    0.0166 X    28639.51=     474.27 KN   *
   * VB Act Based on Clause 7.2.1 =      474.27 KN        *
   * VB Min based on Clause 7.2.2 =      315.03 KN        *
   *                                                      *
   ********************************************************
```

***NOTE: Equivalent Static Analysis should preferably be performed for regular structures with approximate natural time period less than 0.4s and regular structures with height less than 15m in Seismic Zone II. Ref Cl.6.4.3 and 7.6

BASE SHEAR AND TIME PERIOD IN Z

```
   ********************************************************
   * UNITS - KN    METE                                   *
   * TIME PERIOD FOR Z 1893 LOADING =    1.31400 SEC      *
   * SA/G PER 1893=    1.035, LOAD FACTOR=-1.000          *
   * VB PER 1893=    0.0166 X    28639.51=    -474.27 KN   *
   * VB Act Based on Clause 7.2.1 =     -474.27 KN        *
   * VB Min based on Clause 7.2.2 =     -315.03 KN        *
   *                                                      *
   ********************************************************
```

```
 EIGEN METHOD   : SUBSPACE
 -------------------------
 NUMBER OF MODES REQUESTED              =    15
 NUMBER OF EXISTING MASSES IN THE MODEL =  4074
 NUMBER OF MODES THAT WILL BE USED      =    15

   *** EIGENSOLUTION: ADVANCED METHOD ***
```

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

STAAD SPACE -- PAGE NO. 39

CALCULATED FREQUENCIES FOR LOAD CASE 9

MODE	FREQUENCY(CYCLES/SEC)	PERIOD(SEC)
1	0.856	1.16811
2	0.990	1.00978
3	1.336	0.74835
4	3.086	0.32401
5	3.838	0.26057
6	3.970	0.25190
7	4.209	0.23757
8	4.545	0.22004
9	4.622	0.21636
10	4.674	0.21396
11	4.739	0.21100
12	5.003	0.19988
13	5.085	0.19667
14	5.399	0.18521
15	5.929	0.16865

1893 RESPONSE SPECTRUM LOAD 9

RESPONSE LOAD CASE 9

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	2.936500E+03	4.428873E-01	6.765978E+03	4.440196E+03
2	1.658327E+04	1.464000E+00	2.169942E+03	6.193957E+03
3	1.845824E+02	4.167104E+00	1.114132E+04	6.200337E+03
4	1.066593E+02	6.757097E+00	1.730835E+03	1.939353E+03
5	4.695332E+03	5.590376E+00	4.402567E+01	4.449813E+03
6	1.699398E+01	1.451779E+01	9.721814E+00	1.237583E+02
7	6.663270E+00	3.894421E+03	2.028395E+00	1.188779E+03
8	1.068696E-02	7.433549E+00	1.376818E-02	9.395326E+02
9	3.473548E-03	6.973954E+00	4.752232E-02	1.249489E+03
10	8.772873E-02	8.836244E+01	8.768405E-02	7.934650E+02
11	1.538538E-01	1.265377E+02	8.770338E+00	3.671431E+02
12	1.864817E-02	5.241959E+01	3.616286E+00	3.221386E+02
13	9.888138E-03	3.606392E+03	9.698620E+01	1.233108E+03
14	4.841618E+00	8.880699E+01	3.200482E+03	1.384101E+03
15	1.917047E+00	2.704372E+00	2.109412E+02	4.881374E+01

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

CQC MODAL COMBINATION METHOD USED.
DYNAMIC WEIGHT X Y Z 2.857562E+04 2.857562E+04 2.857562E+04 KN
MISSING WEIGHT X Y Z -4.038577E+03 -2.066862E+04 -3.190823E+03 KN
MODAL WEIGHT X Y Z 2.453704E+04 7.906991E+03 2.538479E+04 KN

RESPONSE LOAD CASE 9

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT		
		X	Y	Z
1	1.16427	0.0264	0.0000	0.0000
2	1.34683	0.0305	0.0000	0.0000
3	1.81734	0.0412	0.0000	0.0000
4	2.50000	0.0566	0.0000	0.0000
5	2.50000	0.0566	0.0000	0.0000
6	2.50000	0.0566	0.0000	0.0000
7	2.50000	0.0566	0.0000	0.0000
8	2.50000	0.0566	0.0000	0.0000
9	2.50000	0.0566	0.0000	0.0000
10	2.50000	0.0566	0.0000	0.0000
11	2.50000	0.0566	0.0000	0.0000
12	2.50000	0.0566	0.0000	0.0000
13	2.50000	0.0566	0.0000	0.0000
14	2.50000	0.0566	0.0000	0.0000
15	2.50000	0.0566	0.0000	0.0000

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
6	19.60	208.10	0.00	0.00
5	16.50	331.86	0.00	0.00
4	13.40	408.16	0.00	0.00
3	10.30	482.64	0.00	0.00
2	7.20	554.18	0.00	0.00
1	4.10	598.06	0.00	0.00
BASE	0.00	599.87	0.00	0.00

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

MODE	ACCELERATION-G	DAMPING
1	1.64861	0.05000
2	1.90711	0.05000
3	2.57335	0.05000
4	3.54000	0.05000
5	3.54000	0.05000
6	3.54000	0.05000
7	3.54000	0.05000
8	3.54000	0.05000
9	3.54000	0.05000
10	3.54000	0.05000
11	3.54000	0.05000
12	3.54000	0.05000
13	3.54000	0.05000
14	3.54000	0.05000
15	3.54000	0.05000

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.168	77.46	0.95	-117.58	-1765.52	2017.81	-1177.06
2	1.010	506.02	-4.75	183.04	2760.01	7449.12	-7604.82
3	0.748	7.60	1.14	-59.04	-914.67	406.66	-103.13
4	0.324	6.04	-1.52	-24.34	-11.43	217.98	-55.01
5	0.261	265.94	9.18	25.75	-76.06	4339.85	-724.57
6	0.252	0.96	0.89	0.73	-7.18	3.31	4.54
7	0.238	0.38	-9.12	-0.21	147.56	6.98	-48.90
8	0.220	0.00	-0.02	-0.00	0.26	0.01	-0.09
9	0.216	0.00	-0.01	-0.00	0.14	0.01	-0.05
10	0.214	0.00	-0.16	0.00	2.57	0.05	-0.89
11	0.211	0.01	0.25	-0.07	-4.10	0.55	1.33
12	0.200	0.00	-0.06	-0.01	0.99	0.10	-0.29
13	0.197	0.00	-0.34	-0.06	10.12	0.31	-1.75
14	0.185	0.27	1.17	-7.05	-56.90	45.59	9.86
15	0.169	0.11	-0.13	-1.14	-5.97	11.05	-0.67

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

PARTICIPATION FACTORS

MODE	MASS PARTICIPATION FACTORS IN PERCENT						BASE SHEAR IN KN		
	X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	X	Y	Z
1	10.28	0.00	23.68	10.276	0.002	23.677	77.46	0.00	0.00
2	58.03	0.01	7.59	68.309	0.007	31.271	506.02	0.00	0.00
3	0.65	0.01	38.99	68.955	0.021	70.260	7.60	0.00	0.00
4	0.37	0.02	6.06	69.328	0.045	76.317	6.04	0.00	0.00
5	16.43	0.02	0.15	85.760	0.064	76.471	265.94	0.00	0.00
6	0.06	0.05	0.03	85.819	0.115	76.505	0.96	0.00	0.00
7	0.02	13.63	0.01	85.842	13.744	76.512	0.38	0.00	0.00
8	0.00	0.03	0.00	85.842	13.770	76.512	0.00	0.00	0.00
9	0.00	0.02	0.00	85.842	13.794	76.512	0.00	0.00	0.00
10	0.00	0.31	0.00	85.843	14.103	76.513	0.00	0.00	0.00
11	0.00	0.44	0.03	85.843	14.546	76.543	0.01	0.00	0.00
12	0.00	0.18	0.01	85.843	14.730	76.556	0.00	0.00	0.00
13	0.00	12.62	0.34	85.843	27.350	76.895	0.00	0.00	0.00
14	0.02	0.31	11.20	85.860	27.661	88.096	0.27	0.00	0.00
15	0.01	0.01	0.74	85.867	27.670	88.834	0.11	0.00	0.00
					TOTAL SRSS SHEAR		576.95	0.00	0.00
					TOTAL 10PCT SHEAR		577.57	0.00	0.00
					TOTAL ABS SHEAR		864.80	0.00	0.00
					TOTAL CSM SHEAR		577.76	0.00	0.00
					TOTAL CQC SHEAR		599.87	0.00	0.00

```
*******************************************************
* UNITS - KN    METE                                  *
* TIME PERIOD FOR X 1893 LOADING =    1.03900 SEC     *
* SA/G PER 1893=    1.309, LOAD FACTOR= 1.000         *
*      FACTOR V  PER 1893=    0.0209 X  28639.51      *
* VB Min based on Clause 7.2.2 =      315.03          *
*******************************************************
```

1893 RESPONSE SPECTRUM LOAD 10

RESPONSE LOAD CASE 10

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	2.936500E+03	4.428873E-01	6.765978E+03	4.440196E+03
2	1.658327E+04	1.464000E+00	2.169942E+03	6.193957E+03
3	1.845824E+02	4.167104E+00	1.114132E+04	6.200337E+03

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

4	1.066593E+02	6.757097E+00	1.730835E+03	1.939353E+03
5	4.695332E+03	5.590376E+00	4.402567E+01	4.449813E+03
6	1.699398E+01	1.451779E+01	9.721814E+00	1.237583E+02
7	6.663270E+00	3.894421E+03	2.028395E+00	1.188779E+03
8	1.068696E-02	7.433549E+00	1.376818E-02	9.395326E+02
9	3.473548E-03	6.973954E+00	4.752232E-02	1.249489E+03
10	8.772873E-02	8.836244E+01	8.768405E-02	7.934650E+02
11	1.538538E-01	1.265377E+02	8.770338E+00	3.671431E+02
12	1.864817E-02	5.241959E+01	3.616286E+00	3.221386E+02
13	9.888138E-03	3.606392E+03	9.698620E+01	1.233108E+03
14	4.841618E+00	8.880699E+01	3.200482E+03	1.384101E+03
15	1.917047E+00	2.704372E+00	2.109412E+02	4.881374E+01

CQC MODAL COMBINATION METHOD USED.

DYNAMIC WEIGHT X Y Z	2.857562E+04	2.857562E+04	2.857562E+04	KN
MISSING WEIGHT X Y Z	-4.038577E+03	-2.066862E+04	-3.190823E+03	KN
MODAL WEIGHT X Y Z	2.453704E+04	7.906991E+03	2.538479E+04	KN

RESPONSE LOAD CASE 10

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT		
		X	Y	Z
1	1.16427	-0.0264	0.0000	0.0000
2	1.34683	-0.0305	0.0000	0.0000
3	1.81734	-0.0412	0.0000	0.0000
4	2.50000	-0.0566	0.0000	0.0000
5	2.50000	-0.0566	0.0000	0.0000
6	2.50000	-0.0566	0.0000	0.0000
7	2.50000	-0.0566	0.0000	0.0000
8	2.50000	-0.0566	0.0000	0.0000
9	2.50000	-0.0566	0.0000	0.0000
10	2.50000	-0.0566	0.0000	0.0000
11	2.50000	-0.0566	0.0000	0.0000
12	2.50000	-0.0566	0.0000	0.0000
13	2.50000	-0.0566	0.0000	0.0000
14	2.50000	-0.0566	0.0000	0.0000
15	2.50000	-0.0566	0.0000	0.0000

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
6	19.60	208.10	0.00	0.00
5	16.50	331.86	0.00	0.00
4	13.40	408.16	0.00	0.00
3	10.30	482.64	0.00	0.00
2	7.20	554.18	0.00	0.00
1	4.10	598.06	0.00	0.00
BASE	0.00	599.87	0.00	0.00

MODE	ACCELERATION-G	DAMPING
1	1.64861	0.05000
2	1.90711	0.05000
3	2.57335	0.05000
4	3.54000	0.05000
5	3.54000	0.05000
6	3.54000	0.05000
7	3.54000	0.05000
8	3.54000	0.05000
9	3.54000	0.05000
10	3.54000	0.05000
11	3.54000	0.05000
12	3.54000	0.05000
13	3.54000	0.05000
14	3.54000	0.05000
15	3.54000	0.05000

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.168	-77.46	-0.95	117.58	1765.52	-2017.81	1177.06
2	1.010	-506.02	4.75	-183.04	-2760.01	-7449.12	7604.82
3	0.748	-7.60	-1.14	59.04	914.67	-406.66	103.13
4	0.324	-6.04	1.52	24.34	11.43	-217.98	55.01
5	0.261	-265.94	-9.18	-25.75	76.06	-4339.85	724.57
6	0.252	-0.96	-0.89	-0.73	7.18	-3.31	-4.54
7	0.238	-0.38	9.12	0.21	-147.56	-6.98	48.90
8	0.220	-0.00	0.02	0.00	-0.26	-0.01	0.09
9	0.216	-0.00	0.01	0.00	-0.14	-0.01	0.05
10	0.214	-0.00	0.16	-0.00	-2.57	-0.05	0.89
11	0.211	-0.01	-0.25	0.07	4.10	-0.55	-1.33
12	0.200	-0.00	0.06	0.01	-0.99	-0.10	0.29
13	0.197	-0.00	0.34	0.06	-10.12	-0.31	1.75
14	0.185	-0.27	-1.17	7.05	56.90	-45.59	-9.86
15	0.169	-0.11	0.13	1.14	5.97	-11.05	0.67

PARTICIPATION FACTORS

MODE	MASS PARTICIPATION FACTORS IN PERCENT X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	BASE SHEAR IN KN X	Y	Z
1	10.28	0.00	23.68	10.276	0.002	23.677	-77.46	0.00	0.00
2	58.03	0.01	7.59	68.309	0.007	31.271	-506.02	0.00	0.00
3	0.65	0.01	38.99	68.955	0.021	70.260	-7.60	0.00	0.00
4	0.37	0.02	6.06	69.328	0.045	76.317	-6.04	0.00	0.00
5	16.43	0.02	0.15	85.760	0.064	76.471	-265.94	0.00	0.00
6	0.06	0.05	0.03	85.819	0.115	76.505	-0.96	0.00	0.00
7	0.02	13.63	0.01	85.842	13.744	76.512	-0.38	0.00	0.00
8	0.00	0.03	0.00	85.842	13.770	76.512	-0.00	0.00	0.00
9	0.00	0.02	0.00	85.842	13.794	76.512	-0.00	0.00	0.00
10	0.00	0.31	0.00	85.843	14.103	76.513	-0.00	0.00	0.00
11	0.00	0.44	0.03	85.843	14.546	76.543	-0.01	0.00	0.00
12	0.00	0.18	0.01	85.843	14.730	76.556	-0.00	0.00	0.00
13	0.00	12.62	0.34	85.843	27.350	76.895	-0.00	0.00	0.00
14	0.02	0.31	11.20	85.860	27.661	88.096	-0.27	0.00	0.00
15	0.01	0.01	0.74	85.867	27.670	88.834	-0.11	0.00	0.00
					TOTAL SRSS SHEAR		-576.95	0.00	0.00
					TOTAL 10PCT SHEAR		-577.57	0.00	0.00
					TOTAL ABS SHEAR		-864.80	0.00	0.00
					TOTAL CSM SHEAR		-577.76	0.00	0.00
					TOTAL CQC SHEAR		-599.87	0.00	0.00



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

1893 RESPONSE SPECTRUM LOAD 11

RESPONSE LOAD CASE 11

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	2.936500E+03	4.428873E-01	6.765978E+03	4.440196E+03
2	1.658327E+04	1.464000E+00	2.169942E+03	6.193957E+03
3	1.845824E+02	4.167104E+00	1.114132E+04	6.200337E+03
4	1.066593E+02	6.757097E+00	1.730835E+03	1.939353E+03
5	4.695332E+03	5.590376E+00	4.402567E+01	4.449813E+03
6	1.699398E+01	1.451779E+01	9.721814E+00	1.237583E+02
7	6.663270E+00	3.894421E+03	2.028395E+00	1.188779E+03
8	1.068696E-02	7.433549E+00	1.376818E-02	9.395326E+02
9	3.473548E-03	6.973954E+00	4.752232E-02	1.249489E+03
10	8.772873E-02	8.836244E+01	8.768405E-02	7.934650E+02
11	1.538538E-01	1.265377E+02	8.770338E+00	3.671431E+02
12	1.864817E-02	5.241959E+01	3.616286E+00	3.221386E+02
13	9.888138E-03	3.606392E+03	9.698620E+01	1.233108E+03
14	4.841618E+00	8.880699E+01	3.200482E+03	1.384101E+03
15	1.917047E+00	2.704372E+00	2.109412E+02	4.881374E+01

CQC MODAL COMBINATION METHOD USED.

DYNAMIC WEIGHT X Y Z	2.857562E+04	2.857562E+04	2.857562E+04	KN
MISSING WEIGHT X Y Z	-4.038577E+03	-2.066862E+04	-3.190823E+03	KN
MODAL WEIGHT X Y Z	2.453704E+04	7.906991E+03	2.538479E+04	KN

RESPONSE LOAD CASE 11

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT X	Y	Z
1	1.16427	0.0000	0.0000	0.0222
2	1.34683	0.0000	0.0000	0.0257
3	1.81734	0.0000	0.0000	0.0347
4	2.50000	0.0000	0.0000	0.0478
5	2.50000	0.0000	0.0000	0.0478
6	2.50000	0.0000	0.0000	0.0478
7	2.50000	0.0000	0.0000	0.0478
8	2.50000	0.0000	0.0000	0.0478
9	2.50000	0.0000	0.0000	0.0478
10	2.50000	0.0000	0.0000	0.0478
11	2.50000	0.0000	0.0000	0.0478
12	2.50000	0.0000	0.0000	0.0478

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

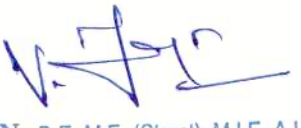
STAAD SPACE -- PAGE NO. 47

13	2.50000	0.0000	0.0000	0.0478
14	2.50000	0.0000	0.0000	0.0478
15	2.50000	0.0000	0.0000	0.0478

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
6	19.60	0.00	0.00	148.84
5	16.50	0.00	0.00	256.68
4	13.40	0.00	0.00	329.08
3	10.30	0.00	0.00	386.72
2	7.20	0.00	0.00	437.55
1	4.10	0.00	0.00	472.99
BASE	0.00	0.00	0.00	474.57

MODE	ACCELERATION-G	DAMPING
1	1.39014	0.05000
2	1.60812	0.05000
3	2.16990	0.05000
4	2.98500	0.05000
5	2.98500	0.05000
6	2.98500	0.05000
7	2.98500	0.05000
8	2.98500	0.05000
9	2.98500	0.05000
10	2.98500	0.05000
11	2.98500	0.05000
12	2.98500	0.05000
13	2.98500	0.05000
14	2.98500	0.05000
15	2.98500	0.05000



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.168	-99.14	-1.22	150.49	2259.77	-2582.68	1506.57
2	1.010	154.35	-1.45	55.83	841.86	2272.14	-2319.63
3	0.748	-49.79	-7.48	386.81	5992.09	-2664.04	675.63
4	0.324	-20.52	5.17	82.66	38.83	-740.42	186.85
5	0.261	21.71	0.75	2.10	-6.21	354.35	-59.16
6	0.252	0.61	0.57	0.46	-4.58	2.11	2.89
7	0.238	-0.18	4.24	0.10	-68.65	-3.25	22.75
8	0.220	-0.00	0.02	0.00	-0.25	-0.01	0.09
9	0.216	-0.00	0.03	0.00	-0.42	-0.03	0.15
10	0.214	0.00	-0.13	0.00	2.17	0.04	-0.75
11	0.211	-0.06	-1.59	0.42	26.12	-3.49	-8.46
12	0.200	-0.01	0.66	0.17	-11.60	-1.21	3.43
13	0.197	-0.05	28.25	4.63	-844.95	-26.14	146.37
14	0.185	-5.95	-25.46	152.86	1233.67	-988.27	-213.86
15	0.169	-0.96	1.14	10.07	52.85	-97.77	5.97

PARTICIPATION FACTORS

MODE	MASS PARTICIPATION FACTORS IN PERCENT X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	BASE SHEAR IN KN X	Y	Z
1	10.28	0.00	23.68	10.276	0.002	23.677	0.00	0.00	150.49
2	58.03	0.01	7.59	68.309	0.007	31.271	0.00	0.00	55.83
3	0.65	0.01	38.99	68.955	0.021	70.260	0.00	0.00	386.81
4	0.37	0.02	6.06	69.328	0.045	76.317	0.00	0.00	82.66
5	16.43	0.02	0.15	85.760	0.064	76.471	0.00	0.00	2.10
6	0.06	0.05	0.03	85.819	0.115	76.505	0.00	0.00	0.46
7	0.02	13.63	0.01	85.842	13.744	76.512	0.00	0.00	0.10
8	0.00	0.03	0.00	85.842	13.770	76.512	0.00	0.00	0.00
9	0.00	0.02	0.00	85.842	13.794	76.512	0.00	0.00	0.00
10	0.00	0.31	0.00	85.843	14.103	76.513	0.00	0.00	0.00
11	0.00	0.44	0.03	85.843	14.546	76.543	0.00	0.00	0.42
12	0.00	0.18	0.01	85.843	14.730	76.556	0.00	0.00	0.17
13	0.00	12.62	0.34	85.843	27.350	76.895	0.00	0.00	4.63
14	0.02	0.31	11.20	85.860	27.661	88.096	0.00	0.00	152.86
15	0.01	0.01	0.74	85.867	27.670	88.834	0.00	0.00	10.07
					TOTAL SRSS SHEAR		0.00	0.00	453.56
					TOTAL 10PCT SHEAR		0.00	0.00	458.55
					TOTAL ABS SHEAR		0.00	0.00	846.62
					TOTAL CSM SHEAR		0.00	0.00	459.78
					TOTAL CQC SHEAR		0.00	0.00	474.57



V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

STAAD SPACE -- PAGE NO. 49

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR Z 1893 LOADING =    1.31400 SEC       *
* SA/G PER 1893=    1.035, LOAD FACTOR= 1.000           *
*      FACTOR V  PER 1893=    0.0166 X  28639.51        *
* VB Min based on Clause 7.2.2 =      315.03            *
*********************************************************
```

1893 RESPONSE SPECTRUM LOAD 12

RESPONSE LOAD CASE 12

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	2.936500E+03	4.428873E-01	6.765978E+03	4.440196E+03
2	1.658327E+04	1.464000E+00	2.169942E+03	6.193957E+03
3	1.845824E+02	4.167104E+00	1.114132E+04	6.200337E+03
4	1.066593E+02	6.757097E+00	1.730835E+03	1.939353E+03
5	4.695332E+03	5.590376E+00	4.402567E+01	4.449813E+03
6	1.699398E+01	1.451779E+01	9.721814E+00	1.237583E+02
7	6.663270E+00	3.894421E+03	2.028395E+00	1.188779E+03
8	1.068696E-02	7.433549E+00	1.376818E-02	9.395326E+02
9	3.473548E-03	6.973954E+00	4.752232E-02	1.249489E+03
10	8.772873E-02	8.836244E+01	8.768405E-02	7.934650E+02
11	1.538538E-01	1.265377E+02	8.770338E+00	3.671431E+02
12	1.864817E-02	5.241959E+01	3.616286E+00	3.221386E+02
13	9.888138E-03	3.606392E+03	9.698620E+01	1.233108E+03
14	4.841618E+00	8.880699E+01	3.200482E+03	1.384101E+03
15	1.917047E+00	2.704372E+00	2.109412E+02	4.881374E+01

CQC MODAL COMBINATION METHOD USED.

DYNAMIC WEIGHT X Y Z	2.857562E+04	2.857562E+04	2.857562E+04 KN
MISSING WEIGHT X Y Z	-4.038577E+03	-2.066862E+04	-3.190823E+03 KN
MODAL WEIGHT X Y Z	2.453704E+04	7.906991E+03	2.538479E+04 KN

RESPONSE LOAD CASE 12

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT X	Y	Z
1	1.16427	0.0000	0.0000	-0.0222
2	1.34683	0.0000	0.0000	-0.0257

V. RAGAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

3	1.81734	0.0000	0.0000	-0.0347
4	2.50000	0.0000	0.0000	-0.0478
5	2.50000	0.0000	0.0000	-0.0478
6	2.50000	0.0000	0.0000	-0.0478
7	2.50000	0.0000	0.0000	-0.0478
8	2.50000	0.0000	0.0000	-0.0478
9	2.50000	0.0000	0.0000	-0.0478
10	2.50000	0.0000	0.0000	-0.0478
11	2.50000	0.0000	0.0000	-0.0478
12	2.50000	0.0000	0.0000	-0.0478
13	2.50000	0.0000	0.0000	-0.0478
14	2.50000	0.0000	0.0000	-0.0478
15	2.50000	0.0000	0.0000	-0.0478

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
6	19.60	0.00	0.00	148.84
5	16.50	0.00	0.00	256.68
4	13.40	0.00	0.00	329.08
3	10.30	0.00	0.00	386.72
2	7.20	0.00	0.00	437.55
1	4.10	0.00	0.00	472.99
BASE	0.00	0.00	0.00	474.57

MODE	ACCELERATION-G	DAMPING
1	1.39014	0.05000
2	1.60812	0.05000
3	2.16990	0.05000
4	2.98500	0.05000
5	2.98500	0.05000
6	2.98500	0.05000
7	2.98500	0.05000
8	2.98500	0.05000
9	2.98500	0.05000
10	2.98500	0.05000
11	2.98500	0.05000
12	2.98500	0.05000
13	2.98500	0.05000
14	2.98500	0.05000
15	2.98500	0.05000

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.168	99.14	1.22	-150.49	-2259.77	2582.68	-1506.57
2	1.010	-154.35	1.45	-55.83	-841.86	-2272.14	2319.63
3	0.748	49.79	7.48	-386.81	-5992.09	2664.04	-675.63
4	0.324	20.52	-5.17	-82.66	-38.83	740.42	-186.85
5	0.261	-21.71	-0.75	-2.10	6.21	-354.35	59.16
6	0.252	-0.61	-0.57	-0.46	4.58	-2.11	-2.89
7	0.238	0.18	-4.24	-0.10	68.65	3.25	-22.75
8	0.220	0.00	-0.02	-0.00	0.25	0.01	-0.09
9	0.216	0.00	-0.03	-0.00	0.42	0.03	-0.15
10	0.214	-0.00	0.13	-0.00	-2.17	-0.04	0.75
11	0.211	0.06	1.59	-0.42	-26.12	3.49	8.46
12	0.200	0.01	-0.66	-0.17	11.60	1.21	-3.43
13	0.197	0.05	-28.25	-4.63	844.95	26.14	-146.37
14	0.185	5.95	25.46	-152.86	-1233.67	988.27	213.86
15	0.169	0.96	-1.14	-10.07	-52.85	97.77	-5.97

PARTICIPATION FACTORS

MODE	MASS PARTICIPATION FACTORS IN PERCENT X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	BASE SHEAR IN KN X	Y	Z
1	10.28	0.00	23.68	10.276	0.002	23.677	0.00	0.00	-150.49
2	58.03	0.01	7.59	68.309	0.007	31.271	0.00	0.00	-55.83
3	0.65	0.01	38.99	68.955	0.021	70.260	0.00	0.00	-386.81
4	0.37	0.02	6.06	69.328	0.045	76.317	0.00	0.00	-82.66
5	16.43	0.02	0.15	85.760	0.064	76.471	0.00	0.00	-2.10
6	0.06	0.05	0.03	85.819	0.115	76.505	0.00	0.00	-0.46
7	0.02	13.63	0.01	85.842	13.744	76.512	0.00	0.00	-0.10
8	0.00	0.03	0.00	85.842	13.770	76.512	0.00	0.00	-0.00
9	0.00	0.02	0.00	85.842	13.794	76.512	0.00	0.00	-0.00
10	0.00	0.31	0.00	85.843	14.103	76.513	0.00	0.00	-0.00
11	0.00	0.44	0.03	85.843	14.546	76.543	0.00	0.00	-0.42
12	0.00	0.18	0.01	85.843	14.730	76.556	0.00	0.00	-0.17
13	0.00	12.62	0.34	85.843	27.350	76.895	0.00	0.00	-4.63
14	0.02	0.31	11.20	85.860	27.661	88.096	0.00	0.00	-152.86
15	0.01	0.01	0.74	85.867	27.670	88.834	0.00	0.00	-10.07
					TOTAL SRSS SHEAR		0.00	0.00	-453.56
					TOTAL 10PCT SHEAR		0.00	0.00	-458.55
					TOTAL ABS SHEAR		0.00	0.00	-846.62
					TOTAL CSM SHEAR		0.00	0.00	-459.78
					TOTAL CQC SHEAR		0.00	0.00	-474.57

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

STAAD SPACE -- PAGE NO. 52

```
 1900. DEFINE ENVELOPE
 1901. 3 17 TO 32 ENVELOPE 1 TYPE SERVICEABILITY
 1902. 4 33 TO 56 ENVELOPE 2 TYPE STRENGTH
 1903. END DEFINE ENVELOPE
 1904. PRINT DIA CR
DIA      CR
```

****

CENTRE OF RIGIDITY UNIT - METE

DIAPHRAM	FL. LEVEL	X-COORDINATE	Z-COORDINATE
1	4.100	0.510	17.291
2	7.200	0.560	16.851
3	10.300	0.793	16.308
4	13.400	1.091	15.864
5	16.500	1.392	15.484
6	19.600	1.622	15.197

****

```
 1905. FINISH
```



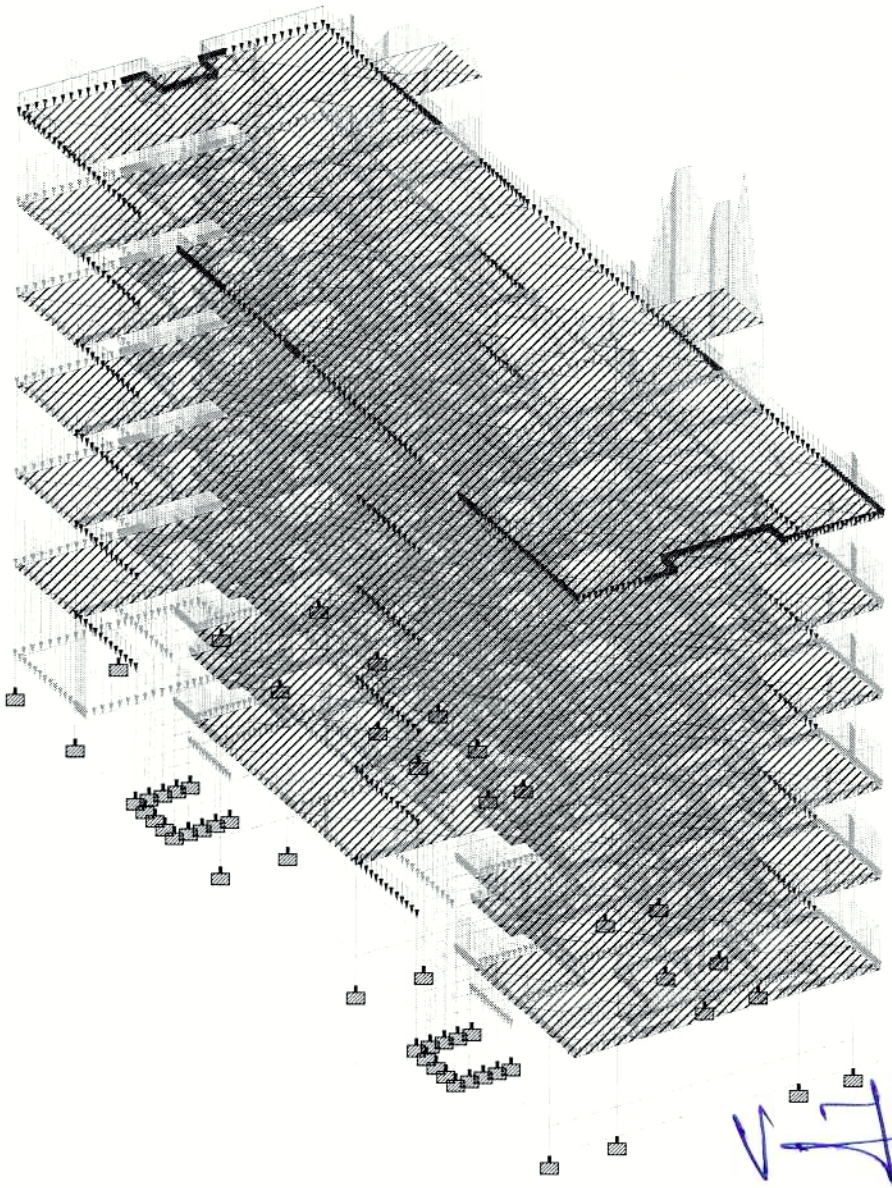
V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

********** END OF THE STAAD.Pro RUN **********

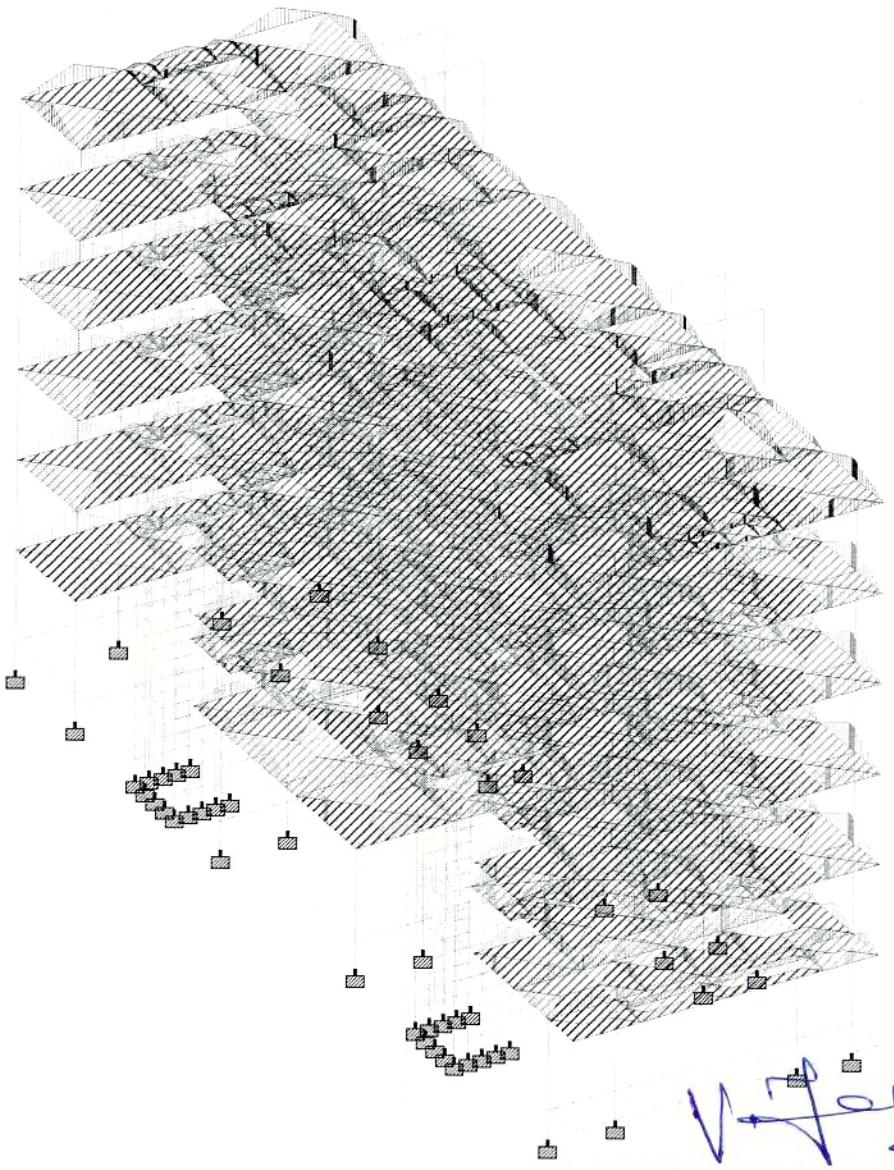
**** DATE= NOV 29,2024 TIME= 16:23:28 ****

****
* For technical assistance on STAAD.Pro, please visit *
* http://www.bentley.com/en/support/ *
* *
* Details about additional assistance from *
* Bentley and Partners can be found at program menu *
* Help->Technical Support *
* *
* Copyright (c) Bentley Systems, Inc. *
* http://www.bentley.com *
****

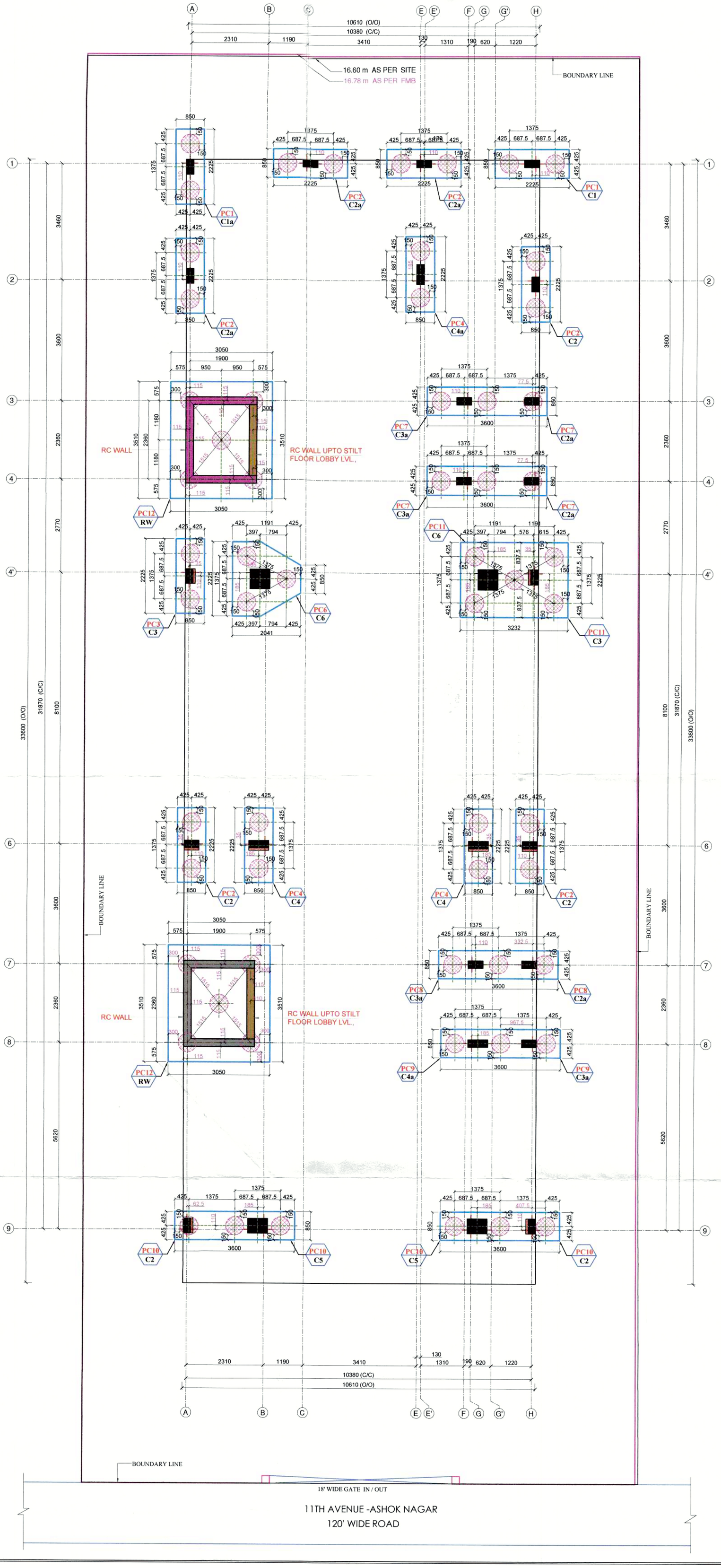
V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

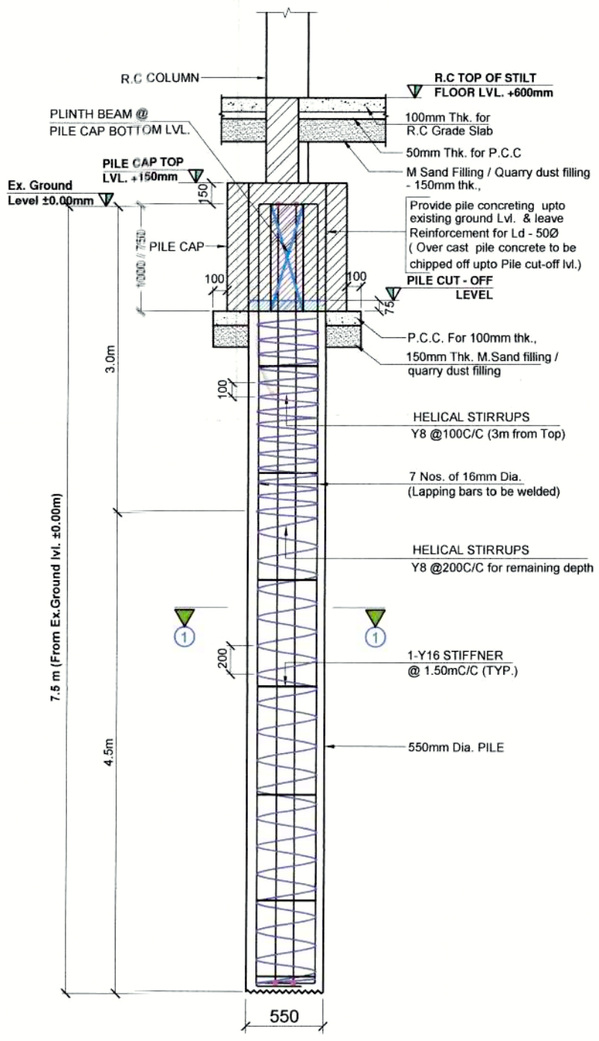


V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154



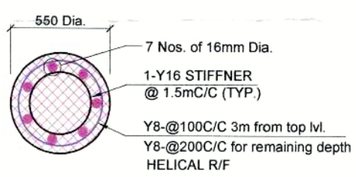
V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154





PILE R/F DETAIL (Safe load - 70 Tons)

(550mm Ø BORED CAST IN-SITU PILE)
USING TRACTOR MOUNTED RIG)
(DEPTH - 7.5m & COVER - 75mm)

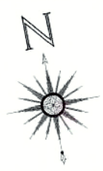


SECTION 1 - 1

PILE R/F DETAIL (Safe load - 70 Tons)

(550mm Ø BORED CAST IN-SITU PILE)
USING TRACTOR MOUNTED RIG)
(DEPTH - 7.5m & COVER - 75mm)

NORTH POINT :



PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO. A-64, NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083.
COMPRISED IN OLD S.NO : 223 PART, T.S.NO. 5, BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II) MAMBALAM TALUK, GREATER CHENNAI CORPORATION, ZONE : X, DIVISION NO - 135.

DRAWING TITLE :

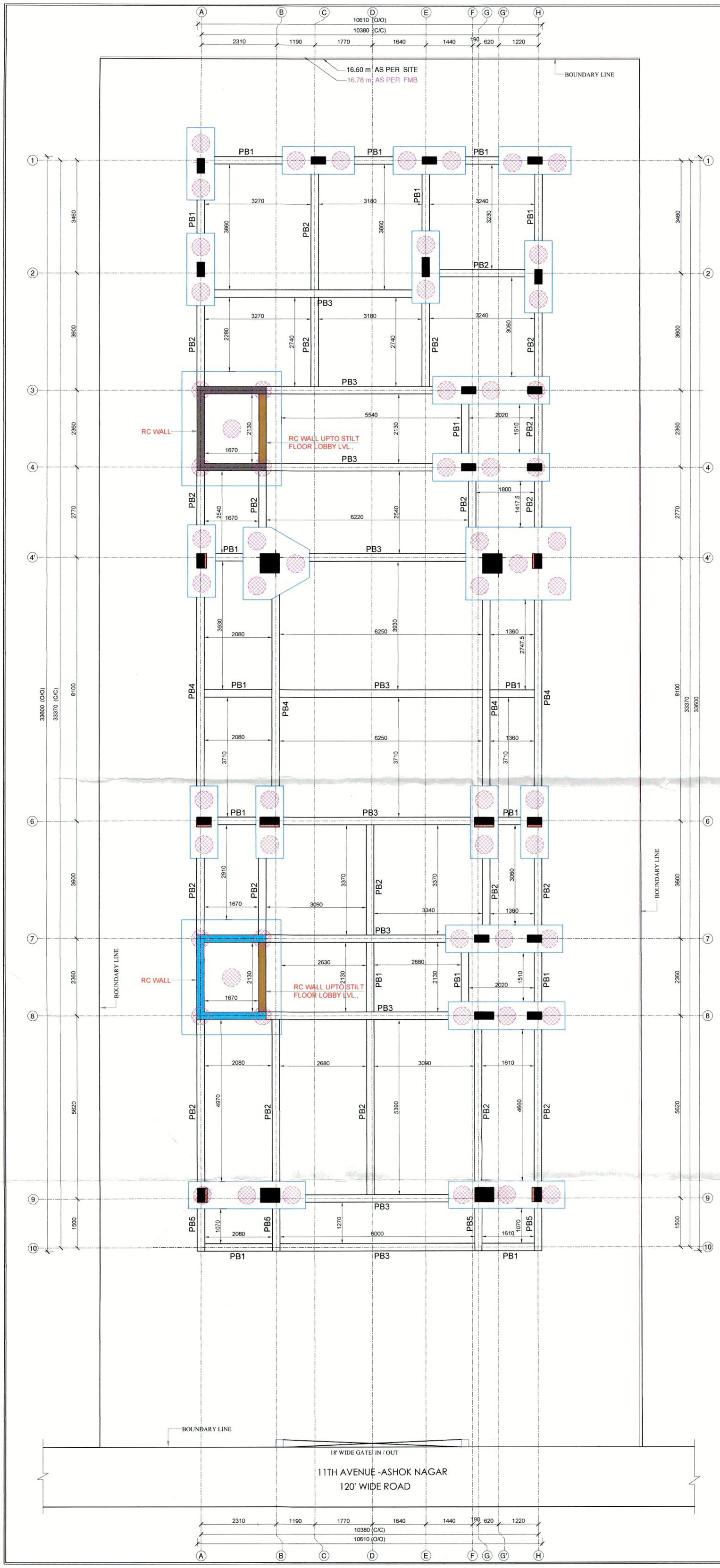
PILE & PILE CAP LAYOUT

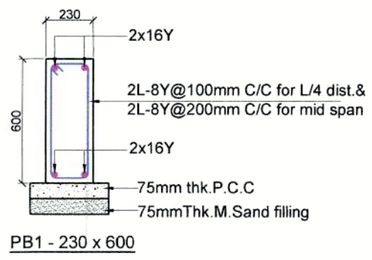
NOTES : STILT + 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 WITH P.P.C FOR PILE, AND M35 FOR COLUMN UP TO STILT ROOF AND P.T BEAM & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE PILE = 75mm & PILE CAP = 50mm
  SLAB = 20mm
  COLUMN = 40mm
  BEAM = 25mm
  R.C WALL = 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

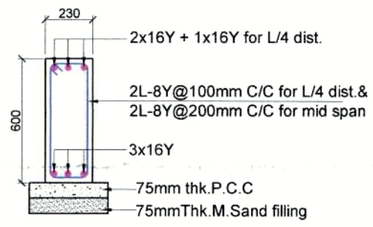
SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

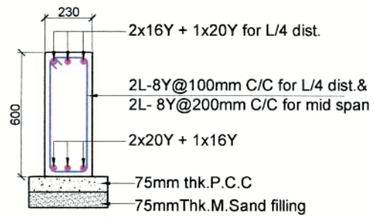




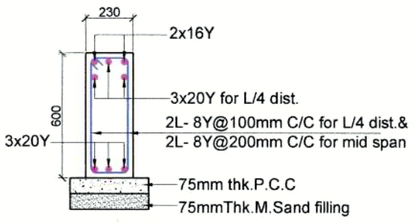
PB1 - 230 x 600



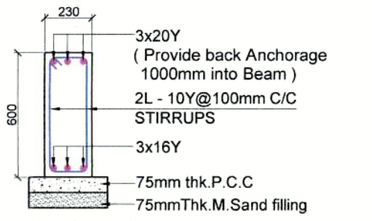
PB2 - 230 x 600



PB3 - 230 x 600



PB4 - 230 x 600



PB5 - 230 x 600

NORTH POINT :



PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO. A-64, NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083.
COMPRISED IN OLD S.NO : 223 PART, T.S.NO. 5, BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II) MAMBALAM TALUK, GREATER CHENNAI CORPORATION,
ZONE : X, DIVISION NO - 135.

DRAWING TITLE :

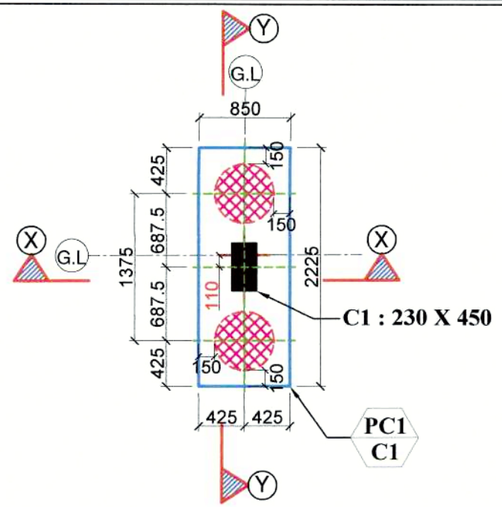
PLINTH BEAM LAYOUT

NOTES : STILT + 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 WITH P.P.C FOR PILE, AND M35 FOR COLUMN UP TO STILT ROOF AND P.T BEAM & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE PILE = 75mm & PILE CAP = 50mm
  SLAB = 20mm
  COLUMN = 40mm
  BEAM = 25mm
  R.C WALL = 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

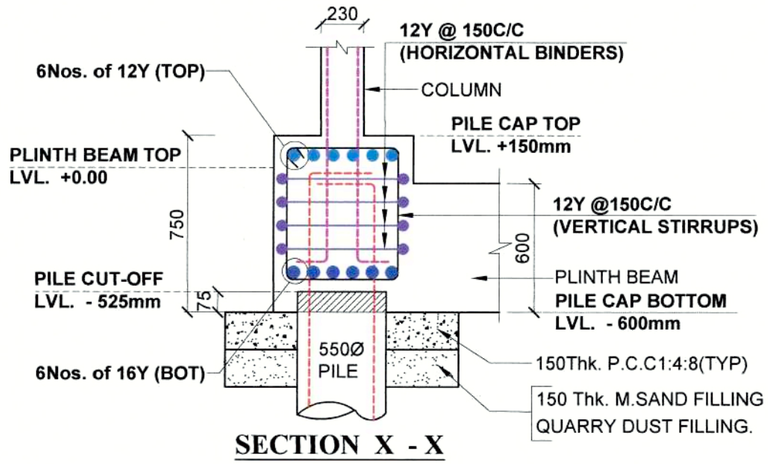
SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

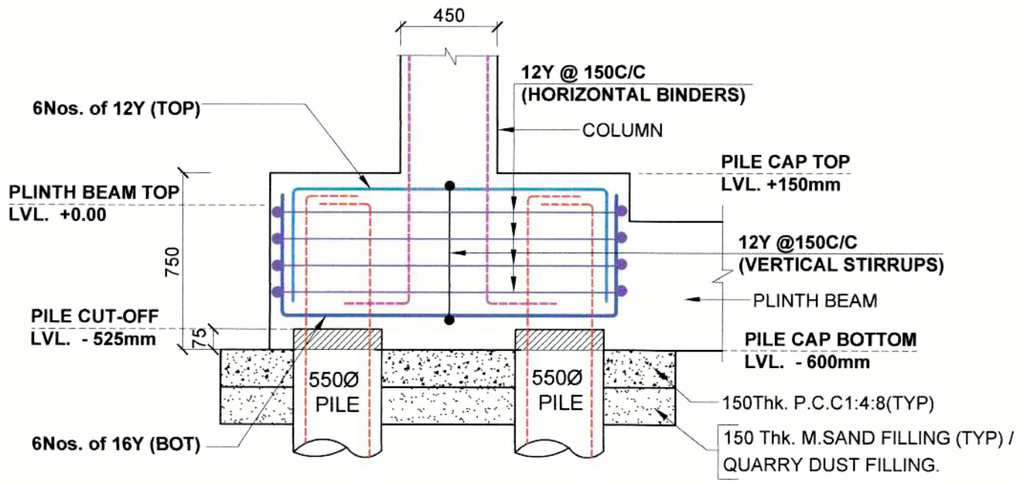


TYPICAL DETAIL FOR PILE CAP - PC1

(PC1 - 550Ø PILE)



SECTION X - X



SECTION Y - Y

PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO. A-64, NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083.
COMPRISED IN OLD S.NO : 223 PART, T.S.NO. 5,
BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II)
MAMBALAM TALUK,
GREATER CHENNAI CORPORATION,
ZONE : X, DIVISION NO - 135.

NOTES :

STILT + 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 WITH P.P.C FOR PILE, AND M35 FOR COLUMN UP TO STILT ROOF AND P.T BEAM & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE PILE = 75mm & PILE CAP = 50mm
  SLAB = 20mm
  COLUMN = 40mm
  BEAM = 25mm
  R.C WALL = 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

DRAWING TITLE :

R.C DETAILS OF PILE CAP

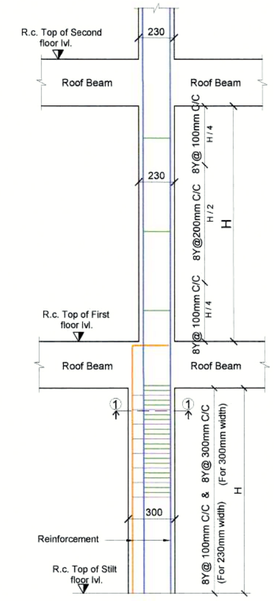
SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

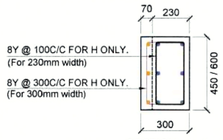
COLUMN I.D	FLOOR DETAILS	NO. OF COLUMNS	COLUMN SIZE	REINFORCEMENT DETAILS	SHAPE OF TIES
C1	300X450 STILT FLOOR	01 No.	70 230 / 450 / 300	6 Nos -20Y (b) + 3 Nos-12Y (d) TIES : 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230X450 FIRST FLOOR		230 / 450	6 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND& THIRD FLOOR		230 / 450	4 Nos -20Y (b) + 2 Nos -16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	6 Nos -16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C1a	230X450 STILT FLOOR	01 No.	230 / 450	6 Nos -20Y (b) TIES : 8Y @ 100C/C FOR H ONLY.	
	230X450 FIRST FLOOR		230 / 450	6 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND& THIRD FLOOR		230 / 450	4 Nos -20Y (b) + 2 Nos -16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	6 Nos -16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C2	300X450 STILT FLOOR	5 Nos.	70 230 / 450 / 300	4 Nos -20Y (b) + 4 Nos -16Y (c) + 4 Nos-12Y (d) TIES : 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230X450 FIRST FLOOR		230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND & THIRD FLOOR		230 / 450	4 Nos-20Y (b) + 4 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	8 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C2a	230X450 STILT FLOOR	6 Nos.	230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES : 8Y @ 100C/C FOR H ONLY.	
	230X450 FIRST FLOOR		230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND & THIRD FLOOR		230 / 450	4 Nos-20Y (b) + 4 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	8 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	

COLUMN I.D	FLOOR DETAILS	NO. OF COLUMNS	COLUMN SIZE	REINFORCEMENT DETAILS	SHAPE OF TIES
C3	300X450 STILT FLOOR	02 Nos.	70 230 / 450	8 Nos -20Y (b) + 4 Nos-12Y (d) TIES : 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230X450 FIRST FLOOR		230 / 450	8 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND & THIRD FLOOR		230 / 450	4 Nos-20Y (b) + 4 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	8 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C3a	230X450 STILT FLOOR	04 Nos.	230 / 450	8 Nos -20Y (b) TIES : 8Y @ 100C/C FOR H ONLY.	
	230X450 FIRST FLOOR		230 / 450	8 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND & THIRD FLOOR		230 / 450	4 Nos-20Y (b) + 4 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	8 Nos-16Y (c) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C4	300 X 600 STILT FLOOR	02 Nos.	70 230 / 600	8 Nos-25Y (a) + 4 Nos-12Y (d) TIES : 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230 X 600 FIRST FLOOR		230 / 600	8 Nos-25Y (a) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 SECOND & THIRD FLOOR		230 / 600	4 Nos-25Y (a) + 4 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 FOURTH, FIFTH & TERRACE FLOOR		230 / 600	8 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	

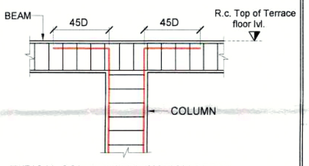
COLUMN I.D	FLOOR DETAILS	NO. OF COLUMNS	COLUMN SIZE	REINFORCEMENT DETAILS	SHAPE OF TIES
C4a	230 X 600 STILT FLOOR	02 Nos.	230 / 600	8 Nos-25Y (a) TIES : 8Y @ 100C/C FOR H ONLY.	
	230 X 600 FIRST FLOOR		230 / 600	8 Nos-25Y (a) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 SECOND & THIRD FLOOR		230 / 600	4 Nos-25Y (a) + 4 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 FOURTH, FIFTH & TERRACE FLOOR		230 / 600	8 Nos -20Y (b) TIES : 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C5	450 X 600 STILT FLOOR	02 Nos.	450 / 600	12 Nos -20Y (b) TIES : 8Y @ 100C/C FOR H ONLY.	
C6	600 X 600 STILT FLOOR	02 Nos.	600 / 600	16 Nos -20Y (b) TIES : 8Y @ 100C/C FOR H ONLY.	



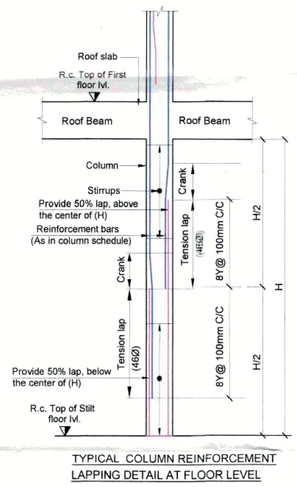
TYPICAL COLUMN DETAIL



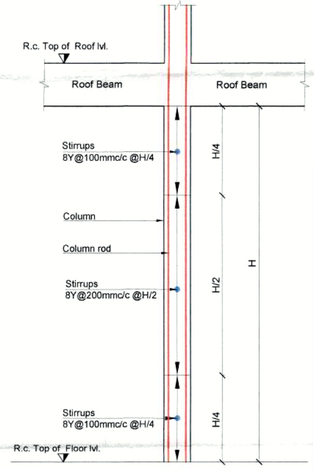
SECTION 1 - 1



TYPICAL COLUMN TERMINATION DETAIL



TYPICAL COLUMN REINFORCEMENT LAPPING DETAIL AT FLOOR LEVEL



TYPICAL COLUMN STIRRUPS DETAIL FOR OTHER FLOORS

PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO. A-64, NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083. COMPRISED IN OLD S.NO : 223 PART, T.S.NO. 5, BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II) MAMBALAM TALUK, GREATER CHENNAI CORPORATION, ZONE : X, DIVISION NO - 135.

DRAWING TITLE :

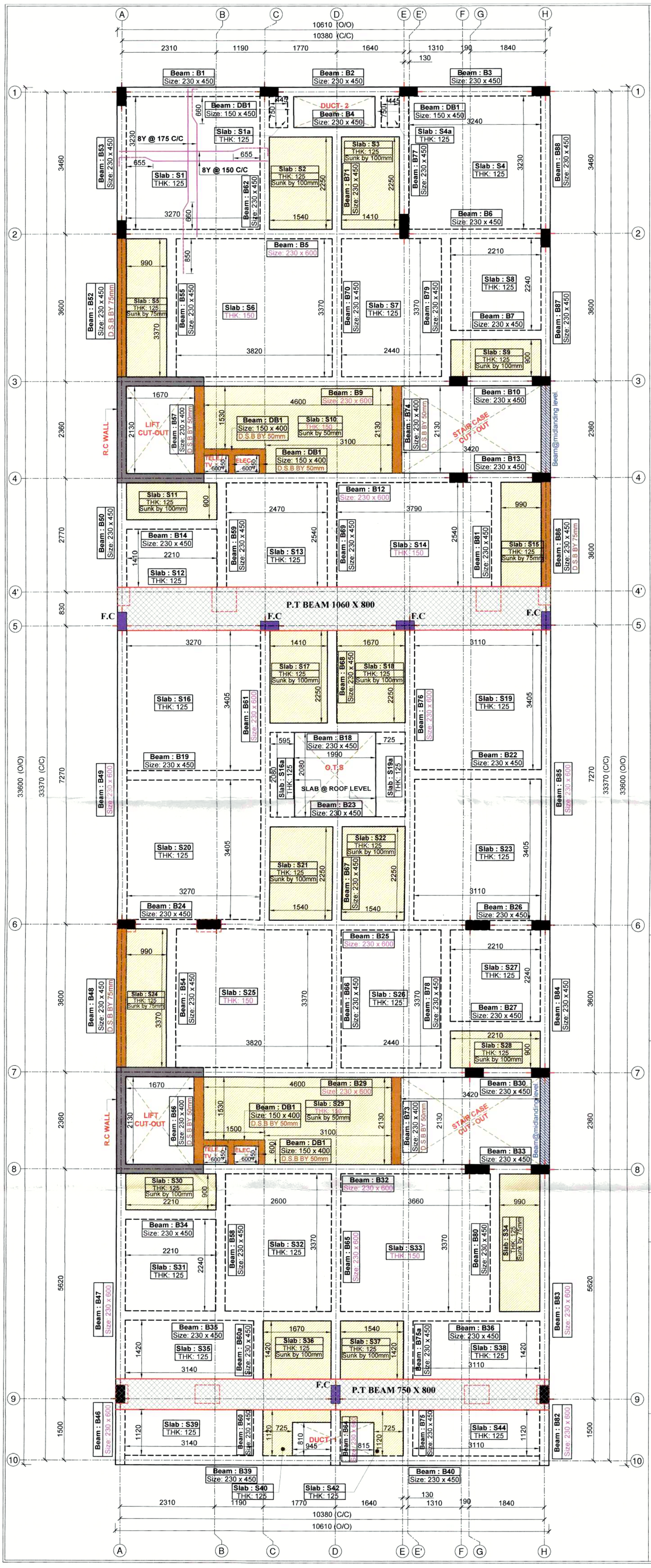
COLUMN REINFORCEMENT DETAILS

NOTES : STILT + 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS.
- CONCRETE MIX SHALL BE M30 WITH P.P.C FOR PILE, AND M35 FOR COLUMN UP TO STILT ROOF AND P.T BEAM & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE PILE = 75mm & PILE CAP = 50mm
  - SLAB = 20mm
  - COLUMN = 40mm
  - BEAM = 25mm
  - R.C WALL = 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

SIGNATURE :

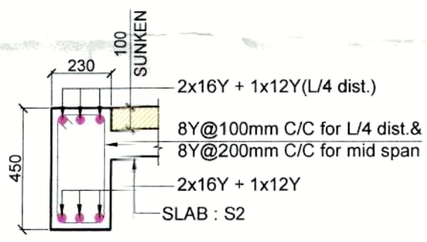
V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154



NOTES:-

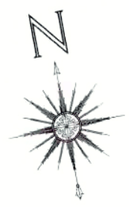
- COLUMNS ARE TO BE CONTINUED ABOVE LEVEL.
- COLUMNS ARE TERMINATED AT STILT FLOOR ROOF LEVEL
- FLOATING COLUMNS (F.C) START FROM STILT FLOOR ROOF LEVEL

R.C DETAIL OF BEAM :



B4 - 230 x 450

NORTH POINT :



PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO. A-64, NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083.
COMPRISED IN OLD S.NO : 223 PART, T.S.NO. 5, BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II) MAMBALAM TALUK,
GREATER CHENNAI CORPORATION,
ZONE : X, DIVISION NO - 135.

DRAWING TITLE :

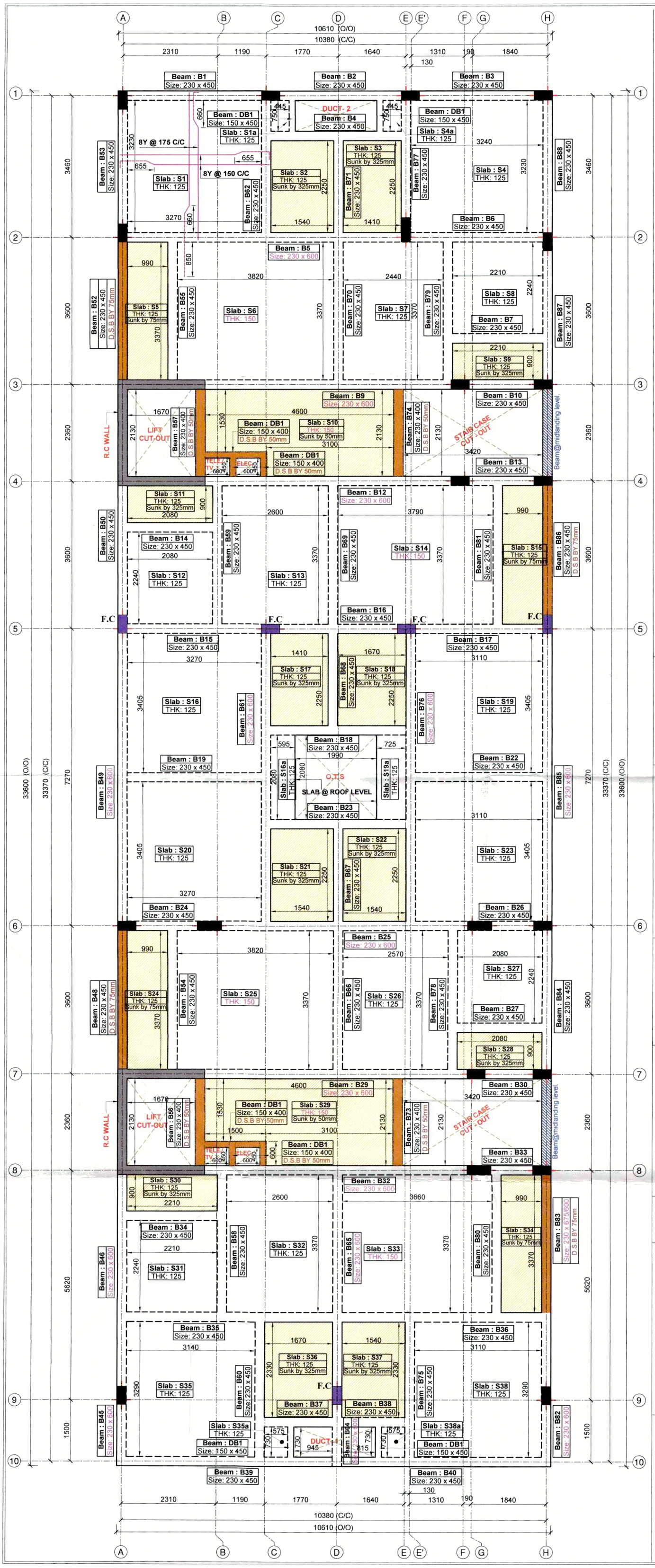
STILT FLOOR ROOF BEAM FRAMING LAYOUT

NOTES : STILT + 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 WITH P.P.C FOR PILE, AND M35 FOR COLUMN UP TO STILT ROOF AND P.T BEAM & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE PILE = 75mm & PILE CAP = 50mm
  SLAB = 20mm
  COLUMN = 40mm
  BEAM = 25mm
  R.C WALL = 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

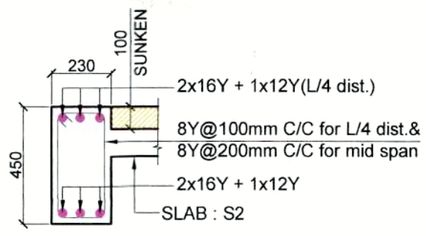


NOTES:-

COLUMNS ARE TO BE CONTINUED ABOVE LEVEL.

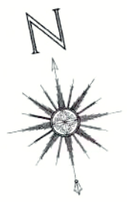
FLOATING COLUMNS (F.C) START FROM STILT FLOOR ROOF LEVEL

R.C DETAIL OF BEAM :



B4 - 230 x 450

NORTH POINT :



PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO. A-64, NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083.
COMPRISED IN OLD S.NO : 223 PART, T.S.NO. 5,
BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II)
MAMBALAM TALUK,
GREATER CHENNAI CORPORATION,
ZONE : X, DIVISION NO - 135.

DRAWING TITLE :

TYPICAL FLOOR ROOF BEAM FRAMING LAYOUT

(1st floor to 4th floor lvl.)

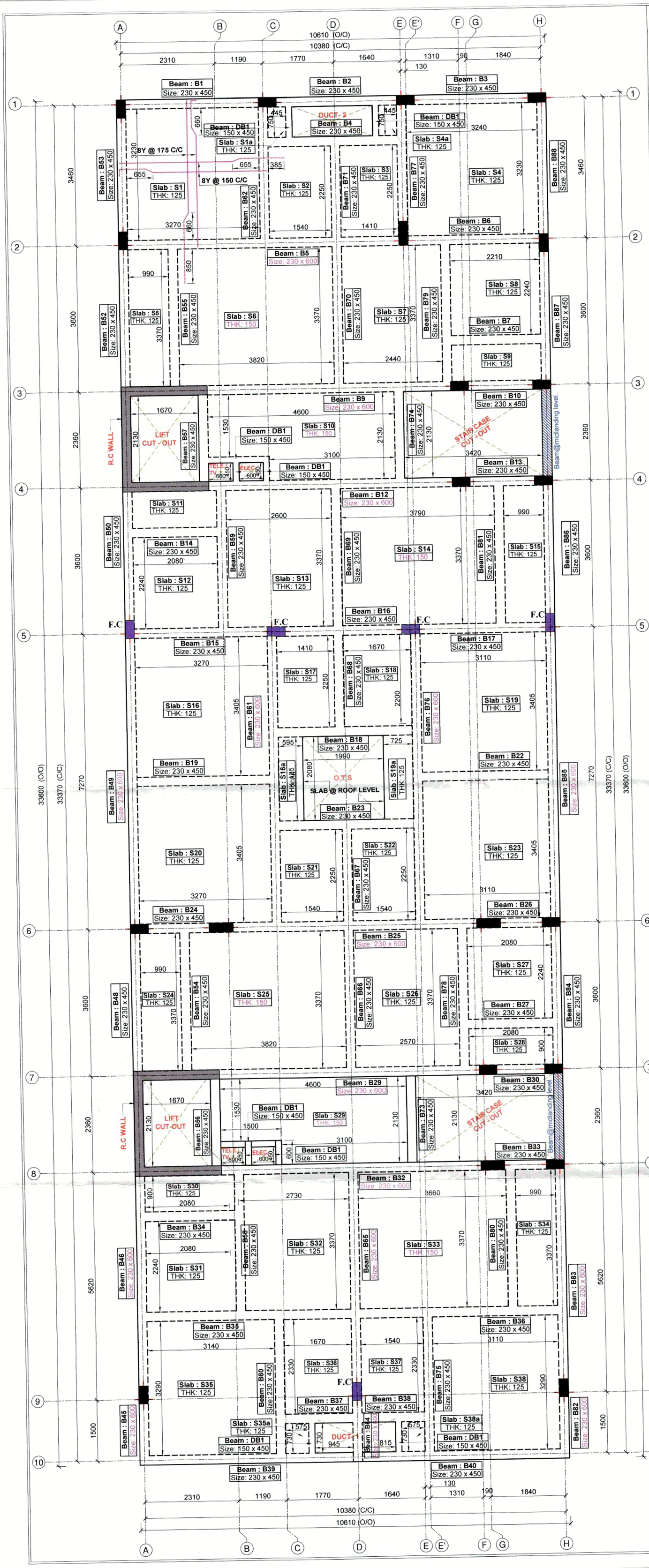
NOTES :

STILT + 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 WITH P.P.C FOR PILE, AND M35 FOR COLUMN UP TO STILT ROOF AND P.T BEAM & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE PILE = 75mm & PILE CAP = 50mm
  SLAB = 20mm
  COLUMN = 40mm
  BEAM = 25mm
  R.C WALL = 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

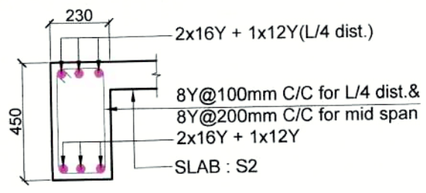


NOTES:-

COLUMNS ARE TO BE TERMINATED AT ROOF LEVEL.

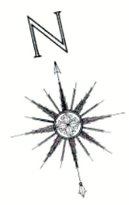
COLUMNS ARE TO BE TERMINATED AT ROOF LEVEL.

R.C DETAIL OF BEAM :



B4 - 230 x 450

NORTH POINT :



PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 20 DWELLING UNITS AVAILING PREMIUM FSI AT PLOT NO. A-64, NEW DOOR NO . 21/ 1 TO 16, OLD DOOR NO. 20/ 1 TO 16, ASHOK VIHAR APARTMENTS, 11TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083.
COMPRISED IN OLD S.NO : 223 PART, T.S.NO. 5,
BLOCK NO: 72 OF KODAMBAKKAM VILLAGE, (PART - II)
MAMBALAM TALUK,
GREATER CHENNAI CORPORATION,
ZONE : X, DIVISION NO - 135.

DRAWING TITLE :

FIFTH FLOOR ROOF BEAM FRAMING LAYOUT

NOTES :

STILT + 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 WITH P.P.C FOR PILE, AND M35 FOR COLUMN UP TO STILT ROOF AND P.T BEAM & M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE PILE = 75mm & PILE CAP = 50mm
  SLAB = 20mm
  COLUMN = 40mm
  BEAM = 25mm
  R.C WALL = 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154



our services doesn't just end there

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.



empowering your real estate decisions with smart tools

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 RealEstate™

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