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™



KAARVENS

02-07-2025

STABILITY CERTIFICATE

The detailed engineering and structure design of the proposed building comprising of Stilt Floor + 5 Floors (Height 18.29 m) at Old S.F.No.33, T.S.No.9/282 (Old), Block No.14, Ward No. Ward-I(9) Anupperpalayam, Site No.21 Part & 28, Present T.S.No.331/1, 331/2, 331/4 & 331/5 of Anupperpalayam Village, Coimbatore(N) Taluk, Coimbatore District And Corporation has been done by me/us (**ER.S.K.ARUN KAMARAJ**) based on the report of geotechnical investigation (soil test) done by **Er.K.GANAPATHI** Report No.: 260 / RB / GMC / 24 - 25, Dated 21.01.2025 and considering the functional requirement of the building.

2. It is certified that among other factors, the proposed building has been designed to resist earthquake. I/We have checked various parameters and found that the proposed building would be safe.

3. I/We. Further certify that

(i) The minimum grade of concrete is M25

(ii) The design and analysis has been done using the code of practice for plan and reinforced concrete as per IS 456, design loads as per IS Code No IS-875 and design of earthquake resistant structure as per IS Code No 1893.

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

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY
41, BR Nagar, 3rd Street, Kothari layout, Ramanathapuram, Coimbatore 641 005.
kaarvens.com, +91 82700 05019

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
Thalamuthu Natarajan Building, No.1, Gandhi Irwin Road, Egmore,
Chennai - 600 008
Phone : 28414855 Fax: 91-044-28548416
E-mail: mscmda@tn.gov.in
Web site: www.cmdachennai.gov.in.

PROFESSIONAL REGISTRATION CERTIFICATE

This is to certify that the Thiru / Tmt. / M/s. **S.K. ARUN KAMARAJ** has enrolled as **Registered Structural Engineer Grade-I(SE)** with Chennai Metropolitan Development Authority (CMDA) who has the qualification of **M.E Structures** and experience in the relevant field for **18** years.

He/She has been given the Registration No. **SE/I/2025/4/0005** on **01-Apr-2025** He/She shall be required to comply with the duties and responsibilities prescribed by the Government of Tamil Nadu in Part V, "Registration of Professionals", Tamil Nadu Combined Development and Building Rules, 2019 approved vide G.O.(ms) No.18 MAWS (MA1) Dept. Dated. 04.02.2019.

This Registration is valid upto **31-Mar-2030.**



Signature Not Verified
Name :M K Asha Parveen
Designation :Superintendent
Date :04/01/2025 3:40:49 PM

M K Asha Parveen

Superintendent

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg:Coimbatore L.S./SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

GOVT. OF TAMILNADU

DIRECTORATE OF TOWN & COUNTRY PLANNING

DISTRICT TOWN & COUNTRY PLANNING OFFICE,COIMBATORE

Ground & first floor ,Door no -50, FCI Road,

Gandhimaa nagar ,Coimbatore-641004.

Phone : 0422-2380243 ,E- Mail : Kovaidisttcp@gmail.com

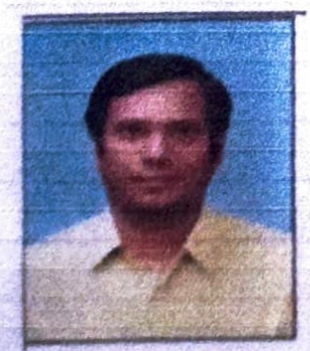
PROFESSIONAL REGISTRATION CERTIFICATE

This is to certify that the Thiru.**S.K.ARUN KAMARAJ** has enrolled as **Structural Engineer Grade –I (SE)** with District Town and country Planning ,Coimbatore who has the qualification of **M.E (Structural Engineering).,MBA** and experience in the relevant field for 18 years.

He has been given the Registration No. **Coimbatore LPA/SE/GR-I/034/2024 on 01.07.2024.** He shall be required to comply with the duties and responsibilities prescribed by the government of tamilnadu in part V, "Registration of Professionals " ,Tamil Nadu Combined Development and Building Rules ,2019 approved vide G.O (Ms) No .18 MAWS (MA1) Dept.Dated .04.02.20219

This Registration Certificate is valid upto **30.06.2029**

S. K. Arun Kamaraj



Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

1/7/24

JOINT DIRECTOR (I/C)

DISTRICT TOWN AND COUNTRY PLANNING,

COIMBATORE

KAARVENS
STRUCTURAL CONSULTANCY

STRUCTURAL STABILITY CERTIFICATE

It is that the proposed Residential Building at Door No, 9/51,52, New door No, 90 & 91 Raja street, Anupperpalayam, Coimbatore, Having silt plus upper five floors is designed. Check has been made safe and sound, I hereby certify that,

1. The minimum column width is 300 mm in silt floor areas.
2. The minimum grade of concrete is M25.
3. The design analysis using the code of practice for loading standards as per IS- 875 part I to III is carried out .

The structure is safe and sound when used for the purpose for which is designed.

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY

PROPOSED RESIDENTIAL BUILDING AT DOOR NO. 9/51,52

NEW DOOR NO. 90&91 RAJA STREET, ANUPPERPALAYAM,COIMBATORE.

GENERAL NOTE ON STRUCTURAL DESIGN

1.0 GENERAL

1.1 DESIGN BASIS

The proposed residential building consist of silt plus five upper floors.

The design of this building is carried out based on frame analysis using STAAD CONNECTION.

1.2 CODE AND STANDARDS

All structural design is carried out conforming to the provisions of National building code of India and other relevant Indian codes and standards.

1.I.S.456 -2000.

2.I.S.875- PART I TO III

2.0 BASIC CIVIL DESIGN LOADS .

2.1 DEAD LOAD AND LIVE LOAD

Typical slab dead load is calculated as follows

Self-weight of slab	= 3.75 kN/m^2
Floor finish	= 1.5 kN/m^2
Live load	= 2 kN/m^2
	7.25 kN/m^2

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY

3.0 SOIL DETAILS

Based on soil report Shallow Foundation is adopted.

4.0 DESIGN METHOD

General design and detailing of concrete members / elements are done conforming to the Provision of I.S code. Limit State method is followed for the design.

4.1 LOAD COMBINATION

Relevant combination of force has been take into account.

Load combination	Limit state collapse	Limit state serviceability
DL+IL	1.5DL+1.5LL	1DL+1LL

4.2 MINIMUM COVER

Slab	15mm
Beam	25mm
Column	40mm
Foundation	50mm

The structure is safe and sound when used for the purpose for which it is designed.

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
**************************************************
*                                                *
*          STAAD.Pro CONNECT Edition             *
*          Version  22.00.00.15                  *
*          Proprietary Program of                *
*          Bentley Systems, Inc.                 *
*          Date=    JUN 20, 2025                 *
*          Time=    17:12:55                     *
*                                                *
*  Licensed to: only @::LAVteam::®               *
**************************************************
```

```
    1. STAAD SPACE
INPUT FILE: D:\OFFICE PROJECTS\JAYA SURYA\MAT\SA HOMES STRUCTURAL STABILITY\SA Homes Apartments at Coi.. .STD
    2. START JOB INFORMATION
    3. ENGINEER DATE 13-MAY-25
    4. END JOB INFORMATION
    5. INPUT WIDTH 79
    6. UNIT METER KN
    7. JOINT COORDINATES
    8. 1 0 0 0; 2 3.89 0 0; 3 5.37 0 0; 4 7.94 0 0; 5 9.89 0 0; 6 13.83 0 0
    9. 7 22.78 0 0.71; 8 18.71 0 1.36; 10 28.42 0 1.36; 11 30.38 0 1.36
   10. 12 36.51 0 1.36; 13 39.03 0 1.36; 14 42.34 0 1.36; 15 7.94 0 3.07
   11. 16 9.89 0 3.07; 17 28.42 0 3.32; 18 30.38 0 3.32; 19 36.51 0 3.54
   12. 20 32.4 0 3.54; 21 42.34 0 4.23; 23 15.66 0 3.87; 24 19.81 0 3.87
   13. 25 24.54 0 3.87; 26 0 0 4.84; 27 5.37 0 4.84; 28 9.89 0 4.84; 29 12.8 0 4.84
   14. 31 27.89 0 5.47; 32 30.38 0 5.47; 33 36.51 0 6.82; 34 42.34 0 6.82
   15. 35 42.34 0 8.87; 36 36.51 0 10.01; 37 30.38 0 10.01; 38 27.89 0 10.01
   16. 39 0 0 10.01; 40 9.33 0 10.01; 41 12.8 0 10.01; 42 15.66 0 10.01
   17. 43 19.81 0 10.01; 44 23.85 0 10.01; 45 5.52 0 8.87; 46 0 -3.3 0
   18. 47 3.89 -3.3 0; 48 5.37 -3.3 0; 49 7.94 -3.3 0; 50 9.89 -3.3 0
   19. 51 13.83 -3.3 0; 52 22.78 -3.3 0.71; 53 18.71 -3.3 1.36; 54 28.42 -3.3 1.36
   20. 55 30.38 -3.3 1.36; 56 36.51 -3.3 1.36; 57 39.03 -3.3 1.36; 58 42.34 -3.3 1.36
   21. 59 7.94 -3.3 3.07; 60 9.89 -3.3 3.07; 61 28.42 -3.3 3.32; 62 30.38 -3.3 3.32
   22. 63 36.51 -3.3 3.54; 64 32.4 -3.3 3.54; 65 42.34 -3.3 4.23; 66 15.66 -3.3 3.87
   23. 67 19.81 -3.3 3.87; 68 24.54 -3.3 3.87; 69 0 -3.3 4.84; 70 5.37 -3.3 4.84
   24. 71 9.89 -3.3 4.84; 72 12.8 -3.3 4.84; 73 27.89 -3.3 5.47; 74 30.38 -3.3 5.47
   25. 75 36.51 -3.3 6.82; 76 42.34 -3.3 6.82; 77 42.34 -3.3 8.87
   26. 79 30.38 -3.3 10.01; 80 27.89 -3.3 10.01; 81 0 -3.3 10.01; 82 9.33 -3.3 10.01
   27. 83 12.8 -3.3 10.01; 84 15.66 -3.3 10.01; 85 19.81 -3.3 10.01
   28. 86 23.85 -3.3 10.01; 87 5.52 -3.3 8.87; 88 5.52 0 4.84; 89 5.52 0 10.01
   29. 90 5.37 0 3.07; 91 10.5 0 3.07; 92 10.5 0 4.84; 93 7.94 0 1.19; 94 9.89 0 1.19
   30. 95 9.33 0 4.84; 96 9.89 0 5.74; 98 5.52 0 5.74; 99 9.33 0 5.74
   31. 100 12.8 0 5.74; 101 15.66 0 4.84; 103 6.57 0 5.74; 104 6.57 0 10.01
   32. 106 15.66 0 0; 107 15.66 0 1.36; 108 22.78 0 3.87; 109 22.78 0 1.36
   33. 110 18.71 0 3.87; 111 28.42 0 0.71; 112 24.54 0 0.71; 114 27.89 0 3.32
   34. 115 27.89 0 3.87; 116 30.38 0 3.54; 117 30.38 0 6.82; 118 32.4 0 6.82
   35. 119 36.51 0 4.23; 120 39.03 0 4.23; 121 36.51 0 8.87; 122 32.4 0 5.08
   36. 123 30.38 0 5.08; 124 27.89 0 6.35; 125 30.38 0 6.35; 126 23.85 0 3.87
   37. 127 23.85 0 5.47; 128 0 0 8.87; 129 3.89 0 4.84; 130 13.83 0 4.84; 131 0 3.9 0
   38. 133 3.89 3.9 0; 135 5.37 3.9 0; 137 7.94 3.9 0; 139 9.89 3.9 0
```

S.K. Arun Kamaraj

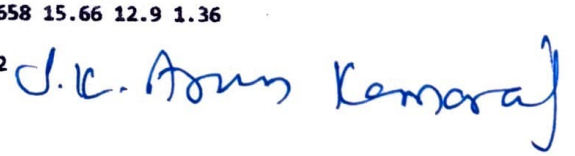
Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

39. 141 13.83 3.9 0; 143 22.78 3.9 0.71; 145 18.71 3.9 1.36; 147 28.42 3.9 1.36
40. 149 30.38 3.9 1.36; 151 36.51 3.9 1.36; 153 39.03 3.9 1.36; 155 42.34 3.9 1.36
41. 157 7.94 3.9 3.07; 159 9.89 3.9 3.07; 161 28.42 3.9 3.32; 163 30.38 3.9 3.32
42. 165 36.51 3.9 3.54; 167 32.4 3.9 3.54; 169 42.34 3.9 4.23; 171 15.66 3.9 3.87
43. 173 19.81 3.9 3.87; 175 24.54 3.9 3.87; 177 0 3.9 4.84; 179 5.37 3.9 4.84
44. 181 9.89 3.9 4.84; 183 12.8 3.9 4.84; 185 27.89 3.9 5.47; 187 30.38 3.9 5.47
45. 189 36.51 3.9 6.82; 191 42.34 3.9 6.82; 193 42.34 3.9 8.87
46. 197 30.38 3.9 10.01; 199 27.89 3.9 10.01; 201 0 3.9 10.01; 203 9.33 3.9 10.01
47. 205 12.8 3.9 10.01; 207 15.66 3.9 10.01; 209 19.81 3.9 10.01
48. 211 23.85 3.9 10.01; 213 5.52 3.9 8.87; 215 18.71 3.9 3.87; 216 22.78 3.9 3.87
49. 217 3.89 3.9 4.84; 218 5.52 3.9 4.84; 222 5.37 3.9 3.07; 223 7.94 3.9 1.19
50. 224 9.89 3.9 1.19; 225 30.38 3.9 3.54; 229 15.66 3.9 4.84; 232 9.33 3.9 4.84
51. 240 15.66 3.9 0; 241 15.66 3.9 1.36; 245 27.89 3.9 3.32; 246 27.89 3.9 3.87
52. 247 30.38 3.9 5.08; 248 30.38 3.9 6.82; 249 32.4 3.9 6.82; 250 32.4 3.9 5.08
53. 251 39.03 3.9 4.23; 254 0 3.9 10.33; 255 3.89 3.9 10.33; 256 5.52 3.9 10.33
54. 257 5.52 3.9 10.24; 259 9.33 3.9 10.24; 260 3.89 3.9 0.95; 261 5.37 3.9 0.95
55. 262 3.89 3.9 3.66; 263 5.37 3.9 3.66; 264 11.54 3.9 0; 267 11.54 3.9 4.84
56. 268 11.54 3.9 3.07; 269 18.71 3.9 0.71; 270 22.78 3.9 0.6; 271 24.54 3.9 0.6
57. 272 28.42 3.9 0.6; 273 30.38 3.9 0.75; 274 36.51 3.9 0.75; 275 39.03 3.9 0.75
58. 276 42.34 3.9 0.75; 277 32.4 3.9 0.75; 278 39.03 3.9 3.54; 279 39.03 3.9 6.82
59. 280 36.51 3.9 2.31; 281 39.03 3.9 2.31; 282 12.8 3.9 10.24
60. 283 15.66 3.9 10.24; 284 19.81 3.9 10.24; 285 23.85 3.9 10.24
61. 286 27.89 3.9 10.24; 288 5.52 3.9 6.57; 289 3.89 3.9 6.57; 291 5.52 3.9 9.27
62. 292 3.89 3.9 9.27; 293 9.33 3.9 8.68; 294 12.8 3.9 8.68; 295 15.66 3.9 8.68
63. 296 19.81 3.9 8.68; 297 19.81 3.9 7.08; 298 23.85 3.9 7.08; 301 25.22 3.9 3.87
64. 303 25.22 3.9 10.24; 304 25.22 3.9 7.08; 305 25.22 3.9 8.64
65. 306 27.89 3.9 8.64; 307 30.38 3.9 10.29; 308 36.51 3.9 10.29
66. 309 42.34 3.9 10.29; 310 37.84 3.9 6.82; 312 37.84 3.9 10.29
67. 313 34.87 3.9 6.82; 315 34.87 3.9 10.29; 316 34.87 3.9 9.45
68. 317 36.51 3.9 9.45; 318 27.21 0 3.87; 319 27.21 0 5.47; 320 0 6.9 0
69. 322 3.89 6.9 0; 324 5.37 6.9 0; 326 7.94 6.9 0; 328 9.89 6.9 0
70. 330 13.83 6.9 0; 332 22.78 6.9 0.71; 334 18.71 6.9 1.36; 336 28.42 6.9 1.36
71. 338 30.38 6.9 1.36; 340 36.51 6.9 1.36; 342 39.03 6.9 1.36; 344 42.34 6.9 1.36
72. 346 7.94 6.9 3.07; 348 9.89 6.9 3.07; 350 28.42 6.9 3.32; 352 30.38 6.9 3.32
73. 354 36.51 6.9 3.54; 356 32.4 6.9 3.54; 358 42.34 6.9 4.23; 360 15.66 6.9 3.87
74. 362 19.81 6.9 3.87; 364 24.54 6.9 3.87; 366 0 6.9 4.84; 368 5.37 6.9 4.84
75. 370 9.89 6.9 4.84; 372 12.8 6.9 4.84; 374 27.89 6.9 5.47; 376 30.38 6.9 5.47
76. 378 36.51 6.9 6.82; 380 42.34 6.9 6.82; 382 42.34 6.9 8.87
77. 386 30.38 6.9 10.01; 388 27.89 6.9 10.01; 390 0 6.9 10.01; 392 9.33 6.9 10.01
78. 394 12.8 6.9 10.01; 396 15.66 6.9 10.01; 398 19.81 6.9 10.01
79. 400 23.85 6.9 10.01; 402 5.52 6.9 8.87; 403 11.54 6.9 0; 404 18.71 6.9 3.87
80. 405 22.78 6.9 3.87; 406 3.89 6.9 4.84; 407 5.52 6.9 4.84; 408 11.54 6.9 4.84
81. 409 37.84 6.9 6.82; 410 5.37 6.9 0.95; 411 7.94 6.9 1.19; 412 9.89 6.9 1.19
82. 413 30.38 6.9 3.54; 414 30.38 6.9 6.82; 415 36.51 6.9 2.31; 416 36.51 6.9 9.45
83. 417 15.66 6.9 4.84; 418 19.81 6.9 7.08; 419 12.8 6.9 8.68; 420 27.89 6.9 8.64
84. 421 9.33 6.9 4.84; 422 5.52 6.9 6.57; 423 5.52 6.9 9.27; 424 5.37 6.9 3.07
85. 425 5.37 6.9 3.66; 426 9.33 6.9 8.68; 427 15.66 6.9 8.68; 428 15.66 6.9 0
86. 429 15.66 6.9 1.36; 430 28.42 6.9 0.6; 431 24.54 6.9 0.6; 432 27.89 6.9 3.32
87. 433 27.89 6.9 3.87; 435 30.38 6.9 5.08; 436 34.87 6.9 6.82; 437 32.4 6.9 6.82
88. 438 32.4 6.9 5.08; 439 39.03 6.9 4.23; 440 39.03 6.9 2.31; 441 23.85 6.9 7.08
89. 442 3.89 6.9 0.95; 443 3.89 6.9 6.57; 444 0 6.9 10.33; 445 3.89 6.9 10.33
90. 446 5.52 6.9 10.33; 447 5.52 6.9 10.24; 448 9.33 6.9 10.24; 449 3.89 6.9 3.66
91. 450 11.54 6.9 3.07; 451 18.71 6.9 0.71; 452 22.78 6.9 0.6; 453 30.38 6.9 0.75
92. 454 32.4 6.9 0.75; 455 36.51 6.9 0.75; 456 39.03 6.9 0.75; 457 42.34 6.9 0.75
93. 458 39.03 6.9 3.54; 459 39.03 6.9 6.82; 460 12.8 6.9 10.24
94. 461 15.66 6.9 10.24; 462 19.81 6.9 10.24; 463 23.85 6.9 10.24

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MIEA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

95. 464 25.22 6.9 10.24; 465 27.89 6.9 10.24; 466 3.89 6.9 9.27
96. 467 19.81 6.9 8.68; 468 25.22 6.9 7.08; 469 25.22 6.9 8.64
97. 470 30.38 6.9 10.29; 471 34.87 6.9 10.29; 472 36.51 6.9 10.29
98. 473 37.84 6.9 10.29; 474 42.34 6.9 10.29; 475 34.87 6.9 9.45; 476 36.51 0 9.45
99. 478 0 9.9 0; 479 3.89 9.9 0; 480 5.37 9.9 0; 481 7.94 9.9 0; 482 9.89 9.9 0
100. 483 13.83 9.9 0; 484 22.78 9.9 0.71; 485 18.71 9.9 1.36; 486 28.42 9.9 1.36
101. 487 30.38 9.9 1.36; 488 36.51 9.9 1.36; 489 39.03 9.9 1.36; 490 42.34 9.9 1.36
102. 491 7.94 9.9 3.07; 492 9.89 9.9 3.07; 493 28.42 9.9 3.32; 494 30.38 9.9 3.32
103. 495 36.51 9.9 3.54; 496 32.4 9.9 3.54; 497 42.34 9.9 4.23; 498 15.66 9.9 3.87
104. 499 19.81 9.9 3.87; 500 24.54 9.9 3.87; 501 0 9.9 4.84; 502 5.37 9.9 4.84
105. 503 9.89 9.9 4.84; 504 12.8 9.9 4.84; 505 27.89 9.9 5.47; 506 30.38 9.9 5.47
106. 507 36.51 9.9 6.82; 508 42.34 9.9 6.82; 509 42.34 9.9 8.87
107. 510 30.38 9.9 10.01; 511 27.89 9.9 10.01; 512 0 9.9 10.01; 513 9.33 9.9 10.01
108. 514 12.8 9.9 10.01; 515 15.66 9.9 10.01; 516 19.81 9.9 10.01
109. 517 23.85 9.9 10.01; 518 5.52 9.9 8.87; 519 11.54 9.9 0; 520 18.71 9.9 3.87
110. 521 22.78 9.9 3.87; 522 3.89 9.9 4.84; 523 5.52 9.9 4.84; 524 11.54 9.9 4.84
111. 525 37.84 9.9 6.82; 526 5.37 9.9 0.95; 527 7.94 9.9 1.19; 528 9.89 9.9 1.19
112. 529 30.38 9.9 3.54; 530 30.38 9.9 6.82; 531 36.51 9.9 2.31; 532 15.66 9.9 4.84
113. 533 19.81 9.9 7.08; 534 12.8 9.9 8.68; 535 27.89 9.9 8.64; 536 9.33 9.9 4.84
114. 537 5.52 9.9 6.57; 538 5.52 9.9 9.27; 539 5.37 9.9 3.07; 540 5.37 9.9 3.66
115. 541 9.33 9.9 8.68; 542 15.66 9.9 8.68; 543 15.66 9.9 0; 544 15.66 9.9 1.36
116. 545 28.42 9.9 0.6; 546 24.54 9.9 0.6; 547 27.89 9.9 3.32; 548 27.89 9.9 3.87
117. 550 30.38 9.9 5.08; 551 34.87 9.9 6.82; 552 32.4 9.9 6.82; 553 32.4 9.9 5.08
118. 554 39.03 9.9 4.23; 555 39.03 9.9 2.31; 556 23.85 9.9 7.08; 557 3.89 9.9 0.95
119. 558 3.89 9.9 6.57; 559 0 9.9 10.33; 560 3.89 9.9 10.33; 561 5.52 9.9 10.33
120. 562 5.52 9.9 10.24; 563 9.33 9.9 10.24; 564 3.89 9.9 3.66; 565 11.54 9.9 3.07
121. 566 18.71 9.9 0.71; 567 22.78 9.9 0.6; 568 30.38 9.9 0.75; 569 32.4 9.9 0.75
122. 570 36.51 9.9 0.75; 571 39.03 9.9 0.75; 572 42.34 9.9 0.75; 573 39.03 9.9 3.54
123. 574 39.03 9.9 6.82; 575 12.8 9.9 10.24; 576 15.66 9.9 10.24
124. 577 19.81 9.9 10.24; 578 23.85 9.9 10.24; 579 25.22 9.9 10.24
125. 580 27.89 9.9 10.24; 581 3.89 9.9 9.27; 582 19.81 9.9 8.68; 583 25.22 9.9 7.08
126. 584 25.22 9.9 8.64; 585 30.38 9.9 10.29; 586 34.87 9.9 10.29
127. 587 36.51 9.9 9.45; 588 36.51 9.9 10.29; 589 37.84 9.9 10.29
128. 590 42.34 9.9 10.29; 591 34.87 9.9 9.45; 592 0 12.9 0; 593 3.89 12.9 0
129. 594 5.37 12.9 0; 595 7.94 12.9 0; 596 9.89 12.9 0; 597 13.83 12.9 0
130. 598 22.78 12.9 0.71; 599 18.71 12.9 1.36; 600 28.42 12.9 1.36
131. 601 30.38 12.9 1.36; 602 36.51 12.9 1.36; 603 39.03 12.9 1.36
132. 604 42.34 12.9 1.36; 605 7.94 12.9 3.07; 606 9.89 12.9 3.07
133. 607 28.42 12.9 3.32; 608 30.38 12.9 3.32; 609 36.51 12.9 3.54
134. 610 32.4 12.9 3.54; 611 42.34 12.9 4.23; 612 15.66 12.9 3.87
135. 613 19.81 12.9 3.87; 614 24.54 12.9 3.87; 615 0 12.9 4.84; 616 5.37 12.9 4.84
136. 617 9.89 12.9 4.84; 618 12.8 12.9 4.84; 619 27.89 12.9 5.47
137. 620 30.38 12.9 5.47; 621 36.51 12.9 6.82; 622 42.34 12.9 6.82
138. 623 42.34 12.9 8.87; 624 30.38 12.9 10.01; 625 27.89 12.9 10.01
139. 626 0 12.9 10.01; 627 9.33 12.9 10.01; 628 12.8 12.9 10.01
140. 629 15.66 12.9 10.01; 630 19.81 12.9 10.01; 631 23.85 12.9 10.01
141. 632 5.52 12.9 8.87; 633 11.54 12.9 0; 634 18.71 12.9 3.87; 635 22.78 12.9 3.87
142. 636 3.89 12.9 4.84; 637 5.52 12.9 4.84; 638 11.54 12.9 4.84
143. 639 37.84 12.9 6.82; 640 5.37 12.9 0.95; 641 7.94 12.9 1.19
144. 642 9.89 12.9 1.19; 643 30.38 12.9 3.54; 644 30.38 12.9 6.82
145. 645 36.51 12.9 2.31; 646 15.66 12.9 4.84; 647 19.81 12.9 7.08
146. 648 12.8 12.9 8.68; 649 27.89 12.9 8.64; 650 9.33 12.9 4.84
147. 651 5.52 12.9 6.57; 652 5.52 12.9 9.27; 653 5.37 12.9 3.07; 654 5.37 12.9 3.66
148. 655 9.33 12.9 8.68; 656 15.66 12.9 8.68; 657 15.66 12.9 0; 658 15.66 12.9 1.36
149. 659 28.42 12.9 0.6; 660 24.54 12.9 0.6; 661 27.89 12.9 3.32
150. 664 30.38 12.9 5.08; 665 34.87 12.9 6.82; 666 32.4 12.9 6.82



Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

151. 667 32.4 12.9 5.08; 668 39.03 12.9 4.23; 669 39.03 12.9 2.31
152. 670 23.85 12.9 7.08; 671 3.89 12.9 0.95; 672 3.89 12.9 6.57; 673 0 12.9 10.33
153. 674 3.89 12.9 10.33; 675 5.52 12.9 10.33; 676 5.52 12.9 10.24
154. 677 9.33 12.9 10.24; 678 3.89 12.9 3.66; 679 11.54 12.9 3.07
155. 680 18.71 12.9 0.71; 681 22.78 12.9 0.6; 682 30.38 12.9 0.75
156. 683 32.4 12.9 0.75; 684 36.51 12.9 0.75; 685 39.03 12.9 0.75
157. 686 42.34 12.9 0.75; 687 39.03 12.9 3.54; 688 39.03 12.9 6.82
158. 689 12.8 12.9 10.24; 690 15.66 12.9 10.24; 691 19.81 12.9 10.24
159. 692 23.85 12.9 10.24; 693 25.22 12.9 10.24; 694 27.89 12.9 10.24
160. 695 3.89 12.9 9.27; 696 19.81 12.9 8.68; 697 25.22 12.9 7.08
161. 698 25.22 12.9 8.64; 699 30.38 12.9 10.29; 700 34.87 12.9 10.29
162. 701 36.51 12.9 9.45; 702 36.51 12.9 10.29; 703 37.84 12.9 10.29
163. 704 42.34 12.9 10.29; 705 34.87 12.9 9.45; 706 0 15.9 0; 707 3.89 15.9 0
164. 708 5.37 15.9 0; 709 7.94 15.9 0; 710 9.89 15.9 0; 711 13.83 15.9 0
165. 712 22.78 15.9 0.71; 713 18.71 15.9 1.36; 714 28.42 15.9 1.36
166. 715 30.38 15.9 1.36; 716 36.51 15.9 1.36; 717 39.03 15.9 1.36
167. 718 42.34 15.9 1.36; 719 7.94 15.9 3.07; 720 9.89 15.9 3.07
168. 721 28.42 15.9 3.32; 722 30.38 15.9 3.32; 723 36.51 15.9 3.54
169. 724 32.4 15.9 3.54; 725 42.34 15.9 4.23; 726 15.66 15.9 3.87
170. 727 19.81 15.9 3.87; 728 24.54 15.9 3.87; 729 0 15.9 4.84; 730 5.37 15.9 4.84
171. 731 9.89 15.9 4.84; 732 12.8 15.9 4.84; 733 27.89 15.9 5.47
172. 734 30.38 15.9 5.47; 735 36.51 15.9 6.82; 736 42.34 15.9 6.82
173. 737 42.34 15.9 8.87; 738 30.38 15.9 10.01; 739 27.89 15.9 10.01
174. 740 0 15.9 10.01; 741 9.33 15.9 10.01; 742 12.8 15.9 10.01
175. 743 15.66 15.9 10.01; 744 19.81 15.9 10.01; 745 23.85 15.9 10.01
176. 746 5.52 15.9 8.87; 747 11.54 15.9 0; 748 18.71 15.9 3.87; 749 22.78 15.9 3.87
177. 750 3.89 15.9 4.84; 751 5.52 15.9 4.84; 752 11.54 15.9 4.84
178. 753 37.84 15.9 6.82; 754 5.37 15.9 0.95; 755 7.94 15.9 1.19
179. 756 9.89 15.9 1.19; 757 30.38 15.9 3.54; 758 30.38 15.9 6.82
180. 759 36.51 15.9 2.31; 760 15.66 15.9 4.84; 761 19.81 15.9 7.08
181. 762 12.8 15.9 8.68; 763 27.89 15.9 8.64; 764 9.33 15.9 4.84
182. 765 5.52 15.9 6.57; 766 5.52 15.9 9.27; 767 5.37 15.9 3.07; 768 5.37 15.9 3.66
183. 769 9.33 15.9 8.68; 770 15.66 15.9 8.68; 771 15.66 15.9 0; 772 15.66 15.9 1.36
184. 773 28.42 15.9 0.6; 774 24.54 15.9 0.6; 775 27.89 15.9 3.32
185. 778 30.38 15.9 5.08; 779 34.87 15.9 6.82; 780 32.4 15.9 6.82
186. 781 32.4 15.9 5.08; 782 39.03 15.9 4.23; 783 39.03 15.9 2.31
187. 784 23.85 15.9 7.08; 785 3.89 15.9 0.95; 786 3.89 15.9 6.57; 787 0 15.9 10.33
188. 788 3.89 15.9 10.33; 789 5.52 15.9 10.33; 790 5.52 15.9 10.24
189. 791 9.33 15.9 10.24; 792 3.89 15.9 3.66; 793 11.54 15.9 3.07
190. 794 18.71 15.9 0.71; 795 22.78 15.9 0.6; 796 30.38 15.9 0.75
191. 797 32.4 15.9 0.75; 798 36.51 15.9 0.75; 799 39.03 15.9 0.75
192. 800 42.34 15.9 0.75; 801 39.03 15.9 3.54; 802 39.03 15.9 6.82
193. 803 12.8 15.9 10.24; 804 15.66 15.9 10.24; 805 19.81 15.9 10.24
194. 806 23.85 15.9 10.24; 807 25.22 15.9 10.24; 808 27.89 15.9 10.24
195. 809 3.89 15.9 9.27; 810 19.81 15.9 8.68; 811 25.22 15.9 7.08
196. 812 25.22 15.9 8.64; 813 30.38 15.9 10.29; 814 34.87 15.9 10.29
197. 815 36.51 15.9 9.45; 816 36.51 15.9 10.29; 817 37.84 15.9 10.29
198. 818 42.34 15.9 10.29; 819 34.87 15.9 9.45; 820 36.51 -3.3 10.01
199. 821 36.51 3.9 10.01; 822 36.51 6.9 10.01; 823 36.51 9.9 10.01
200. 824 36.51 12.9 10.01; 825 36.51 15.9 10.01; 826 24.54 15.9 5.47
201. 827 25.22 15.9 5.47; 828 24.54 12.9 5.47; 829 25.22 12.9 5.47
202. 830 24.54 9.9 5.47; 831 25.22 9.9 5.47; 832 24.54 6.9 5.47; 833 25.22 6.9 5.47
203. 834 0 18.9 0; 835 3.89 18.9 0; 836 5.37 18.9 0; 837 7.94 18.9 0
204. 838 9.89 18.9 0; 839 13.83 18.9 0; 840 22.78 18.9 0.71; 841 18.71 18.9 1.36
205. 842 28.42 18.9 1.36; 843 30.38 18.9 1.36; 844 36.51 18.9 1.36
206. 845 39.03 18.9 1.36; 846 42.34 18.9 1.36; 847 7.94 18.9 3.07

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

207. 848 9.89 18.9 3.07; 849 28.42 18.9 3.32; 850 30.38 18.9 3.32
208. 851 36.51 18.9 3.54; 852 32.4 18.9 3.54; 853 42.34 18.9 4.23
209. 854 15.66 18.9 3.87; 855 19.81 18.9 3.87; 856 24.54 18.9 3.87; 857 0 18.9 4.84
210. 858 5.37 18.9 4.84; 859 9.89 18.9 4.84; 860 12.8 18.9 4.84
211. 861 27.89 18.9 5.47; 862 30.38 18.9 5.47; 863 36.51 18.9 6.82
212. 864 42.34 18.9 6.82; 865 42.34 18.9 8.87; 866 30.38 18.9 10.01
213. 867 27.89 18.9 10.01; 868 0 18.9 10.01; 869 9.33 18.9 10.01
214. 870 12.8 18.9 10.01; 871 15.66 18.9 10.01; 872 19.81 18.9 10.01
215. 873 23.85 18.9 10.01; 874 5.52 18.9 8.87; 875 11.54 18.9 0
216. 876 18.71 18.9 3.87; 877 22.78 18.9 3.87; 878 3.89 18.9 4.84
217. 879 5.52 18.9 4.84; 880 11.54 18.9 4.84; 882 5.37 18.9 0.95
218. 883 7.94 18.9 1.19; 884 9.89 18.9 1.19; 885 30.38 18.9 3.54
219. 886 30.38 18.9 6.82; 887 36.51 18.9 2.31; 888 15.66 18.9 4.84
220. 889 19.81 18.9 7.08; 892 9.33 18.9 4.84; 894 5.52 18.9 9.27
221. 895 5.37 18.9 3.07; 899 15.66 18.9 0; 900 15.66 18.9 1.36; 901 28.42 18.9 0.6
222. 903 27.89 18.9 3.32; 904 30.38 18.9 5.08; 905 34.87 18.9 6.82
223. 906 32.4 18.9 6.82; 907 32.4 18.9 5.08; 908 39.03 18.9 4.23
224. 909 39.03 18.9 2.31; 910 23.85 18.9 7.08; 911 3.89 18.9 0.95; 913 0 18.9 10.33
225. 914 3.89 18.9 10.33; 915 5.52 18.9 10.33; 916 5.52 18.9 10.24
226. 917 9.33 18.9 10.24; 920 18.71 18.9 0.71; 921 22.78 18.9 0.6
227. 922 30.38 18.9 0.75; 923 32.4 18.9 0.75; 924 36.51 18.9 0.75
228. 925 39.03 18.9 0.75; 926 42.34 18.9 0.75; 927 39.03 18.9 3.54
229. 928 39.03 18.9 6.82; 929 12.8 18.9 10.24; 930 15.66 18.9 10.24
230. 931 19.81 18.9 10.24; 932 23.85 18.9 10.24; 933 25.22 18.9 10.24
231. 934 27.89 18.9 10.24; 935 3.89 18.9 9.27; 937 25.22 18.9 7.08
232. 939 30.38 18.9 10.29; 940 34.87 18.9 10.29; 941 36.51 18.9 9.45
233. 942 36.51 18.9 10.01; 944 42.34 18.9 10.29; 945 36.51 18.9 10.29
234. 946 34.87 18.9 9.45; 949 27.89 18.9 3.87; 950 25.22 18.9 3.87
235. 951 5.37 21.34 0; 953 7.94 21.34 0; 955 9.89 21.34 0; 957 7.94 21.34 3.07
236. 959 9.89 21.34 3.07; 961 5.37 21.34 4.84; 963 9.89 21.34 4.84
237. 965 7.94 21.34 1.19; 966 9.89 21.34 1.19; 969 5.37 21.34 3.07
238. 970 28.42 21.34 1.36; 972 30.38 21.34 1.36; 974 28.42 21.34 3.32
239. 976 30.38 21.34 3.32; 978 24.54 21.34 3.87; 980 27.89 21.34 5.47
240. 982 30.38 21.34 5.47; 984 30.38 21.34 10.01; 986 27.89 21.34 10.01
241. 988 23.85 21.34 10.01; 1000 27.89 21.34 7.61; 1002 7.94 22.56 0
242. 1004 9.89 22.56 0; 1006 7.94 22.56 3.07; 1008 9.89 22.56 3.07
243. 1010 28.42 22.56 1.36; 1012 30.38 22.56 1.36; 1014 28.42 22.56 3.32
244. 1016 30.38 22.56 3.32; 1017 7.94 22.56 1.19; 1018 9.89 22.56 1.19
245. 1019 24.54 21.34 5.47; 1020 24.54 21.34 7.61; 1021 24.54 21.34 10.01
246. 1022 27.89 21.34 3.32; 1023 27.89 19.81 5.47; 1024 27.89 19.81 7.61
247. 1025 23.85 19.81 10.01; 1026 24.54 19.81 10.01; 1027 27.89 19.81 10.01
248. 1028 24.54 19.81 7.61; 1029 24.54 19.81 5.47; 1030 24.54 19.81 3.87
249. 1031 27.89 21.34 3.87; 1032 17.185 15.9 1.36; 1033 17.185 15.9 3.87
250. 1034 5.37 -0.15 4.84; 1035 5.37 3.75 4.84; 1036 5.37 0.15 4.84
251. 1037 5.37 4.05 4.84
252. MEMBER INCIDENCES
253. 1 1 46; 2 2 47; 3 3 48; 4 4 49; 5 5 50; 6 6 51; 7 7 52; 8 8 53; 9 10 54
254. 10 11 55; 11 12 56; 12 13 57; 13 14 58; 14 15 59; 15 16 60; 16 17 61; 17 18 62
255. 18 19 63; 19 20 64; 20 21 65; 21 23 66; 22 24 67; 23 25 68; 24 26 69
256. 25 27 1034; 26 28 71; 27 29 72; 28 31 73; 29 32 74; 30 33 75; 31 34 76
257. 32 35 77; 34 37 79; 35 38 80; 36 39 81; 37 40 82; 38 41 83; 39 42 84; 40 43 85
258. 41 44 86; 42 45 87; 43 1 2; 44 2 3; 45 3 4; 46 4 5; 47 5 6; 48 8 109; 49 10 11
259. 50 11 12; 51 12 13; 52 13 14; 53 15 16; 54 17 18; 55 20 19; 56 23 110
260. 57 24 108; 58 26 129; 59 27 88; 60 28 92; 61 31 32; 62 33 34; 64 39 89
261. 65 40 41; 66 41 42; 67 42 43; 68 43 44; 70 38 37; 71 37 36; 72 1 26; 73 26 128
262. 74 3 90; 75 4 93; 76 5 94; 78 10 17; 79 11 18; 80 18 116; 81 32 125; 82 12 19

S. K. Arun Kamaraj
Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

263. 83 19 119; 84 33 121; 85 14 21; 86 21 34; 87 34 35; 88 23 101; 89 24 43
264. 90 29 100; 91 31 124; 92 88 95; 93 98 45; 94 89 104; 95 45 89; 96 90 27
265. 97 90 15; 98 92 29; 99 91 92; 100 16 91; 101 93 15; 102 94 16; 103 93 94
266. 104 95 28; 105 99 40; 106 96 100; 107 88 98; 108 95 99; 109 98 103; 110 100 41
267. 112 99 96; 113 28 96; 114 101 42; 115 29 130; 116 103 99; 117 103 104
268. 118 104 40; 119 6 106; 121 107 23; 122 106 107; 123 107 8; 124 108 126
269. 125 7 109; 127 109 108; 128 110 24; 129 8 110; 130 7 112; 131 111 10
270. 132 112 111; 133 112 25; 135 114 17; 136 115 31; 137 114 115; 138 25 318
271. 139 116 123; 140 116 20; 141 117 37; 142 118 33; 143 117 118; 144 20 122
272. 145 119 33; 146 120 21; 147 119 120; 148 13 120; 149 121 476; 150 121 35
273. 151 122 118; 152 123 32; 153 123 122; 154 124 38; 155 125 117; 156 124 125
274. 157 126 25; 158 127 44; 159 126 127; 160 127 319; 161 128 39; 162 128 45
275. 163 129 27; 164 2 129; 165 130 101; 166 6 130; 210 44 38; 211 131 133
276. 213 135 137; 215 139 264; 217 147 149; 221 157 159; 222 161 163; 223 167 165
277. 224 171 215; 225 173 216; 226 177 217; 227 179 218; 228 181 267; 229 185 187
278. 230 189 310; 236 199 197; 238 131 177; 239 177 201; 240 135 261; 241 137 223
279. 242 139 224; 243 147 161; 244 149 163; 245 163 225; 246 187 248; 247 151 280
280. 249 189 317; 250 155 169; 251 169 191; 252 191 193; 253 171 229; 254 173 297
281. 255 183 294; 256 185 306; 257 218 232; 258 288 213; 260 213 291; 261 222 263
282. 262 222 157; 266 223 157; 267 224 159; 268 223 224; 269 232 181; 270 293 203
283. 278 229 295; 279 183 229; 283 141 240; 284 241 171; 285 240 241; 286 241 145
284. 287 216 175; 288 143 216; 290 215 173; 291 145 215; 293 272 147; 295 271 175
285. 296 245 161; 297 246 185; 298 245 246; 299 175 301; 300 225 247; 301 225 167
286. 302 248 197; 303 313 189; 304 248 249; 305 167 250; 307 251 169; 309 153 281
287. 312 250 249; 313 247 187; 314 247 250; 319 298 211; 324 217 179; 325 133 260
288. 330 217 289; 331 254 255; 332 255 256; 333 201 254; 335 257 256; 336 257 259
289. 340 203 259; 341 260 262; 342 261 222; 343 260 261; 344 262 217; 345 263 179
290. 346 262 263; 347 159 181; 348 264 141; 349 264 268; 351 267 183; 352 268 267
291. 353 159 268; 354 269 143; 355 269 145; 356 270 271; 357 271 272; 358 270 143
292. 359 273 277; 360 274 275; 361 275 276; 362 273 149; 363 274 151; 364 275 153
293. 365 276 155; 366 277 274; 367 277 167; 368 278 251; 369 165 278; 370 279 191
294. 371 251 279; 372 280 165; 373 281 278; 374 280 281; 375 259 282; 376 282 283
295. 377 283 284; 378 284 285; 379 285 303; 380 205 282; 381 207 283; 382 209 284
296. 383 211 285; 384 199 286; 385 218 288; 386 289 288; 387 289 292; 388 291 257
297. 389 292 291; 390 292 255; 391 232 293; 392 294 205; 393 293 294; 394 295 207
298. 395 294 295; 396 296 209; 397 295 296; 398 297 296; 400 297 298; 401 301 304
299. 402 301 246; 405 303 286; 406 304 305; 408 298 304; 409 305 303; 410 306 199
300. 411 305 306; 412 307 315; 413 197 307; 414 317 821; 415 312 309; 416 193 309
301. 417 310 279; 418 310 312; 419 308 312; 420 249 313; 421 313 316; 422 315 308
302. 423 316 315; 425 316 317; 426 318 115; 427 319 31; 428 318 319; 429 131 1
303. 430 320 131; 431 133 2; 432 322 133; 433 135 3; 434 324 135; 435 137 4
304. 436 326 137; 437 139 5; 438 328 139; 439 141 6; 440 330 141; 441 143 7
305. 442 332 143; 443 145 8; 444 334 145; 445 147 10; 446 336 147; 447 149 11
306. 448 338 149; 449 151 12; 450 340 151; 451 153 13; 452 342 153; 453 155 14
307. 454 344 155; 455 157 15; 456 346 157; 457 159 16; 458 348 159; 459 161 17
308. 460 350 161; 461 163 18; 462 352 163; 463 165 19; 464 354 165; 465 167 20
309. 466 356 167; 467 169 21; 468 358 169; 469 171 23; 470 360 171; 471 173 24
310. 472 362 173; 473 175 25; 474 364 175; 475 177 26; 476 366 177; 477 179 1035
311. 478 368 1037; 479 181 28; 480 370 181; 481 183 29; 482 372 183; 483 185 31
312. 484 374 185; 485 187 32; 486 376 187; 487 189 33; 488 378 189; 489 191 34
313. 490 380 191; 491 193 35; 492 382 193; 495 197 37; 496 386 197; 497 199 38
314. 498 388 199; 499 201 39; 500 390 201; 501 203 40; 502 392 203; 503 205 41
315. 504 394 205; 505 207 42; 506 396 207; 507 209 43; 508 398 209; 509 211 44
316. 510 400 211; 511 213 45; 512 402 213; 513 320 322; 514 324 326; 515 328 403
317. 516 336 338; 517 346 348; 518 350 352; 519 356 354; 520 360 404; 521 362 405
318. 522 366 406; 523 368 407; 524 370 408; 525 374 376; 526 378 409; 527 388 386

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg:Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, DR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

319. 528 320 366; 529 366 390; 530 324 410; 531 326 411; 532 328 412; 533 336 350
320. 534 338 352; 535 352 413; 536 376 414; 537 340 415; 539 344 358; 540 358 380
321. 541 380 382; 542 360 417; 543 362 418; 544 372 419; 545 374 420; 546 407 421
322. 547 422 402; 548 402 423; 549 424 425; 550 424 346; 551 411 346; 552 412 348
323. 553 411 412; 554 421 370; 555 426 392; 556 417 427; 557 372 417; 558 330 428
324. 559 429 360; 560 428 429; 561 429 334; 562 405 364; 563 332 405; 564 404 362
325. 565 334 404; 566 430 336; 567 431 364; 568 432 350; 569 433 374; 570 432 433
326. 572 413 435; 573 413 356; 574 414 386; 575 436 378; 576 414 437; 577 356 438
327. 578 439 358; 579 342 440; 580 438 437; 581 435 376; 582 435 438; 583 441 400
328. 584 406 368; 585 322 442; 586 406 443; 587 444 445; 588 445 446; 589 390 444
329. 590 447 446; 591 447 448; 592 392 448; 593 442 449; 594 410 424; 595 442 410
330. 596 449 406; 597 425 368; 598 449 425; 599 348 370; 600 403 330; 601 403 450
331. 602 408 372; 603 450 408; 604 348 450; 605 451 332; 606 451 334; 607 452 431
332. 608 431 430; 609 452 332; 610 453 454; 611 455 456; 612 456 457; 613 453 338
333. 614 455 340; 615 456 342; 616 457 344; 617 454 455; 618 454 356; 619 458 439
334. 620 354 458; 621 459 380; 622 439 459; 623 415 354; 624 440 458; 625 415 440
335. 626 448 460; 627 460 461; 628 461 462; 629 462 463; 630 463 464; 631 394 460
336. 632 396 461; 633 398 462; 634 400 463; 635 388 465; 636 407 422; 637 443 422
337. 638 443 466; 639 423 447; 640 466 423; 641 466 445; 642 421 426; 643 419 394
338. 644 426 419; 645 427 396; 646 419 427; 647 467 398; 648 427 467; 649 418 467
339. 650 418 441; 653 464 465; 654 468 469; 655 441 468; 656 469 464; 657 420 388
340. 658 469 420; 659 470 471; 660 386 470; 661 416 822; 662 473 474; 663 382 474
341. 664 409 459; 665 409 473; 666 472 473; 667 437 436; 668 436 475; 669 471 472
342. 670 475 471; 672 475 416; 673 476 36; 677 478 320; 678 479 322; 679 480 324
343. 680 481 326; 681 482 328; 682 483 330; 683 484 332; 684 485 334; 685 486 336
344. 686 487 338; 687 488 340; 688 489 342; 689 490 344; 690 491 346; 691 492 348
345. 692 493 350; 693 494 352; 694 495 354; 695 496 356; 696 497 358; 697 498 360
346. 698 499 362; 699 500 364; 700 501 366; 701 502 368; 702 503 370; 703 504 372
347. 704 505 374; 705 506 376; 706 507 378; 707 508 380; 708 509 382; 709 510 386
348. 710 511 388; 711 512 390; 712 513 392; 713 514 394; 714 515 396; 715 516 398
349. 716 517 400; 717 518 402; 718 478 479; 719 480 481; 720 482 519; 721 486 487
350. 722 491 492; 723 493 494; 724 496 495; 725 498 520; 726 499 521; 727 501 522
351. 728 502 523; 729 503 524; 730 505 506; 731 507 525; 732 511 510; 733 478 501
352. 734 501 512; 735 480 526; 736 481 527; 737 482 528; 738 486 493; 739 487 494
353. 740 494 529; 741 506 530; 742 488 531; 743 490 497; 744 497 508; 745 508 509
354. 746 498 532; 747 499 533; 748 504 534; 749 505 535; 750 523 536; 751 537 518
355. 752 518 538; 753 539 540; 754 539 491; 755 527 491; 756 528 492; 757 527 528
356. 758 536 503; 759 541 513; 760 532 542; 761 504 532; 762 483 543; 763 544 498
357. 764 543 544; 765 544 485; 766 521 500; 767 484 521; 768 520 499; 769 485 520
358. 770 545 486; 771 546 500; 772 547 493; 773 548 505; 774 547 548; 776 529 550
359. 777 529 496; 778 530 510; 779 551 507; 780 530 552; 781 496 553; 782 554 497
360. 783 489 555; 784 553 552; 785 550 506; 786 550 553; 787 556 517; 788 522 502
361. 789 479 557; 790 522 558; 791 559 560; 792 560 561; 793 512 559; 794 562 561
362. 795 562 563; 796 513 563; 797 557 564; 798 526 539; 799 557 526; 800 564 522
363. 801 540 502; 802 564 540; 803 492 503; 804 519 483; 805 519 565; 806 524 504
364. 807 565 524; 808 492 565; 809 566 484; 810 566 485; 811 567 546; 812 546 545
365. 813 567 484; 814 568 569; 815 570 571; 816 571 572; 817 568 487; 818 570 488
366. 819 571 489; 820 572 490; 821 569 570; 822 569 496; 823 573 554; 824 495 573
367. 825 574 508; 826 554 574; 827 531 495; 828 555 573; 829 531 555; 830 563 575
368. 831 575 576; 832 576 577; 833 577 578; 834 578 579; 835 514 575; 836 515 576
369. 837 516 577; 838 517 578; 839 511 580; 840 523 537; 841 558 537; 842 558 581
370. 843 538 562; 844 581 538; 845 581 560; 846 536 541; 847 534 514; 848 541 534
371. 849 542 515; 850 534 542; 851 582 516; 852 542 582; 853 533 582; 854 533 556
372. 857 579 580; 858 583 584; 859 556 583; 860 584 579; 861 535 511; 862 584 535
373. 863 585 586; 864 510 585; 865 587 823; 866 589 590; 867 509 590; 868 525 574
374. 869 525 589; 870 588 589; 871 552 551; 872 551 591; 873 586 588; 874 591 586

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

375. 875 591 587; 877 592 478; 878 593 479; 879 594 480; 880 595 481; 881 596 482
376. 882 597 483; 883 598 484; 884 599 485; 885 600 486; 886 601 487; 887 602 488
377. 888 603 489; 889 604 490; 890 605 491; 891 606 492; 892 607 493; 893 608 494
378. 894 609 495; 895 610 496; 896 611 497; 897 612 498; 898 613 499; 899 614 500
379. 900 615 501; 901 616 502; 902 617 503; 903 618 504; 904 619 505; 905 620 506
380. 906 621 507; 907 622 508; 908 623 509; 909 624 510; 910 625 511; 911 626 512
381. 912 627 513; 913 628 514; 914 629 515; 915 630 516; 916 631 517; 917 632 518
382. 918 592 593; 919 594 595; 920 596 633; 921 600 601; 922 605 606; 923 607 608
383. 924 610 609; 925 612 634; 926 613 635; 927 615 636; 928 616 637; 929 617 638
384. 930 619 620; 931 621 639; 932 625 624; 933 592 615; 934 615 626; 935 594 640
385. 936 595 641; 937 596 642; 938 600 607; 939 601 608; 940 608 643; 941 620 644
386. 942 602 645; 943 604 611; 944 611 622; 945 622 623; 946 612 646; 947 613 647
387. 948 618 648; 949 619 649; 950 637 650; 951 651 632; 952 632 652; 953 653 654
388. 954 653 605; 955 641 605; 956 642 606; 957 641 642; 958 650 617; 959 655 627
389. 960 646 656; 961 618 646; 962 597 657; 963 658 612; 964 657 658; 965 658 599
390. 966 635 614; 967 598 635; 968 634 613; 969 599 634; 970 659 600; 971 660 614
391. 972 661 607; 973 661 619; 976 643 664; 977 643 610; 978 644 624; 979 665 621
392. 980 644 666; 981 610 667; 982 668 611; 983 603 669; 984 667 666; 985 664 620
393. 986 664 667; 987 670 631; 988 636 616; 989 593 671; 990 636 672; 991 673 674
394. 992 674 675; 993 626 673; 994 676 675; 995 676 677; 996 627 677; 997 671 678
395. 998 640 653; 999 671 640; 1000 678 636; 1001 654 616; 1002 678 654
396. 1003 606 617; 1004 633 597; 1005 633 679; 1006 638 618; 1007 679 638
397. 1008 606 679; 1009 680 598; 1010 680 599; 1011 681 660; 1012 660 659
398. 1013 681 598; 1014 682 683; 1015 684 685; 1016 685 686; 1017 682 601
399. 1018 684 602; 1019 685 603; 1020 686 604; 1021 683 684; 1022 683 610
400. 1023 687 668; 1024 609 687; 1025 688 622; 1026 668 688; 1027 645 609
401. 1028 669 687; 1029 645 669; 1030 677 689; 1031 689 690; 1032 690 691
402. 1033 691 692; 1034 692 693; 1035 628 689; 1036 629 690; 1037 630 691
403. 1038 631 692; 1039 625 694; 1040 637 651; 1041 672 651; 1042 672 695
404. 1043 652 676; 1044 695 652; 1045 695 674; 1046 650 655; 1047 648 628
405. 1048 655 648; 1049 656 629; 1050 648 656; 1051 696 630; 1052 656 696
406. 1053 647 696; 1054 647 670; 1057 693 694; 1058 697 698; 1059 670 697
407. 1060 698 693; 1061 649 625; 1062 698 649; 1063 699 700; 1064 624 699
408. 1065 701 824; 1066 703 704; 1067 623 704; 1068 639 688; 1069 639 703
409. 1070 702 703; 1071 666 665; 1072 665 705; 1073 700 702; 1074 705 700
410. 1075 705 701; 1077 706 592; 1078 707 593; 1079 708 594; 1080 709 595
411. 1081 710 596; 1082 711 597; 1083 712 598; 1084 713 599; 1085 714 600
412. 1086 715 601; 1087 716 602; 1088 717 603; 1089 718 604; 1090 719 605
413. 1091 720 606; 1092 721 607; 1093 722 608; 1094 723 609; 1095 724 610
414. 1096 725 611; 1097 726 612; 1098 727 613; 1099 728 614; 1100 729 615
415. 1101 730 616; 1102 731 617; 1103 732 618; 1104 733 619; 1105 734 620
416. 1106 735 621; 1107 736 622; 1108 737 623; 1109 738 624; 1110 739 625
417. 1111 740 626; 1112 741 627; 1113 742 628; 1114 743 629; 1115 744 630
418. 1116 745 631; 1117 746 632; 1118 706 707; 1119 708 709; 1120 710 747
419. 1121 714 715; 1122 719 720; 1123 721 722; 1124 724 723; 1125 726 1033
420. 1126 727 749; 1127 729 750; 1128 730 751; 1129 731 752; 1130 733 734
421. 1131 735 753; 1132 739 738; 1133 706 729; 1134 729 740; 1135 708 754
422. 1136 709 755; 1137 710 756; 1138 714 721; 1139 715 722; 1140 722 757
423. 1141 734 758; 1142 716 759; 1143 718 725; 1144 725 736; 1145 736 737
424. 1146 726 760; 1147 727 761; 1148 732 762; 1149 733 763; 1150 751 764
425. 1151 765 746; 1152 746 766; 1153 767 768; 1154 767 719; 1155 755 719
426. 1156 756 720; 1157 755 756; 1158 764 731; 1159 769 741; 1160 760 770
427. 1161 732 760; 1162 711 771; 1163 772 726; 1164 771 772; 1165 772 1032
428. 1166 749 728; 1167 712 749; 1168 748 727; 1169 713 748; 1170 773 714
429. 1171 774 728; 1172 775 721; 1173 775 733; 1176 757 778; 1177 757 724
430. 1178 758 738; 1179 779 735; 1180 758 780; 1181 724 781; 1182 782 725

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

431. 1183 717 783; 1184 781 780; 1185 778 734; 1186 778 781; 1187 784 745
432. 1188 750 730; 1189 707 785; 1190 750 786; 1191 787 788; 1192 788 789
433. 1193 740 787; 1194 790 789; 1195 790 791; 1196 741 791; 1197 785 792
434. 1198 754 767; 1199 785 754; 1200 792 750; 1201 768 730; 1202 792 768
435. 1203 720 731; 1204 747 711; 1205 747 793; 1206 752 732; 1207 793 752
436. 1208 720 793; 1209 794 712; 1210 794 713; 1211 795 774; 1212 774 773
437. 1213 795 712; 1214 796 797; 1215 798 799; 1216 799 800; 1217 796 715
438. 1218 798 716; 1219 799 717; 1220 800 718; 1221 797 798; 1222 797 724
439. 1223 801 782; 1224 723 801; 1225 802 736; 1226 782 802; 1227 759 723
440. 1228 783 801; 1229 759 783; 1230 791 803; 1231 803 804; 1232 804 805
441. 1233 805 806; 1234 806 807; 1235 742 803; 1236 743 804; 1237 744 805
442. 1238 745 806; 1239 739 808; 1240 751 765; 1241 786 765; 1242 786 809
443. 1243 766 790; 1244 809 766; 1245 809 788; 1246 764 769; 1247 762 742
444. 1248 769 762; 1249 770 743; 1250 762 770; 1251 810 744; 1252 770 810
445. 1253 761 810; 1254 761 784; 1257 807 808; 1258 811 812; 1259 784 811
446. 1260 812 807; 1261 763 739; 1262 812 763; 1263 813 814; 1264 738 813
447. 1265 815 825; 1266 817 818; 1267 737 818; 1268 753 802; 1269 753 817
448. 1270 816 817; 1271 780 779; 1272 779 819; 1273 814 816; 1274 819 814
449. 1275 819 815; 1277 36 820; 1278 821 308; 1279 821 36; 1280 822 472
450. 1281 822 821; 1282 823 588; 1283 823 822; 1284 824 702; 1285 824 823
451. 1286 825 816; 1287 825 824; 1288 378 416; 1289 507 587; 1290 621 701
452. 1291 735 815; 1292 728 826; 1293 827 811; 1294 826 827; 1295 827 733
453. 1296 614 828; 1297 829 697; 1298 828 829; 1299 829 619; 1300 500 830
454. 1301 831 583; 1302 830 831; 1303 831 505; 1304 364 832; 1305 833 468
455. 1306 832 833; 1307 833 374; 1308 834 706; 1309 835 707; 1313 839 711
456. 1314 840 712; 1315 841 713; 1318 844 716; 1319 845 717; 1320 846 718
457. 1325 851 723; 1326 852 724; 1327 853 725; 1328 854 726; 1329 855 727
458. 1331 857 729; 1334 860 732; 1337 863 735; 1338 864 736; 1339 865 737
459. 1342 868 740; 1343 869 741; 1344 870 742; 1345 871 743; 1346 872 744
460. 1348 874 746; 1349 834 835; 1350 836 837; 1351 838 875; 1352 842 843
461. 1353 847 848; 1354 849 850; 1355 852 851; 1356 854 876; 1357 855 877
462. 1358 857 878; 1359 858 879; 1360 859 880; 1361 861 862; 1362 863 928
463. 1363 867 866; 1364 834 857; 1365 857 868; 1366 836 882; 1367 837 883
464. 1368 838 884; 1369 842 849; 1370 843 850; 1371 850 885; 1372 862 886
465. 1373 844 887; 1374 846 853; 1375 853 864; 1376 864 865; 1377 854 888
466. 1378 855 889; 1379 860 870; 1380 861 867; 1381 879 892; 1382 879 874
467. 1383 874 894; 1384 895 858; 1385 895 847; 1386 883 847; 1387 884 848
468. 1388 883 884; 1389 892 859; 1390 892 869; 1391 888 871; 1392 860 888
469. 1393 839 899; 1394 900 854; 1395 899 900; 1396 900 841; 1397 877 856
470. 1398 840 877; 1399 876 855; 1400 841 876; 1401 901 842; 1403 903 849
471. 1404 903 949; 1405 885 904; 1406 885 852; 1407 886 866; 1408 905 863
472. 1409 886 906; 1410 852 907; 1411 908 853; 1412 845 909; 1413 907 906
473. 1414 904 862; 1415 904 907; 1416 910 873; 1417 878 858; 1418 835 911
474. 1419 878 935; 1420 913 914; 1421 914 915; 1422 868 913; 1423 916 915
475. 1424 916 917; 1425 869 917; 1426 911 878; 1427 882 895; 1428 911 882
476. 1432 848 859; 1433 875 839; 1434 875 880; 1435 880 860; 1438 920 840
477. 1439 920 841; 1440 921 901; 1442 921 840; 1443 922 923; 1444 924 925
478. 1445 925 926; 1446 922 843; 1447 924 844; 1448 925 845; 1449 926 846
479. 1450 923 924; 1451 923 852; 1452 927 908; 1453 851 927; 1454 928 864
480. 1455 908 928; 1456 887 851; 1457 909 927; 1459 917 929; 1460 929 930
481. 1461 930 931; 1462 931 932; 1463 932 933; 1464 870 929; 1465 871 930
482. 1466 872 931; 1467 873 932; 1468 867 934; 1472 894 916; 1473 935 894
483. 1474 935 914; 1480 889 872; 1483 889 910; 1484 933 934; 1485 937 933
484. 1486 910 937; 1490 939 940; 1491 866 939; 1492 941 942; 1493 945 944
485. 1494 865 944; 1498 906 905; 1499 905 946; 1500 940 945; 1501 946 940
486. 1502 946 941; 1503 942 945; 1504 942 825; 1505 863 941; 1507 950 937

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
487. 1510 949 861; 1511 856 950; 1512 950 949; 1513 836 708; 1514 951 836
488. 1515 837 709; 1517 838 710; 1519 847 719; 1521 848 720; 1523 858 730
489. 1524 961 858; 1525 859 731; 1526 963 859; 1527 951 953; 1528 957 959
490. 1529 951 969; 1530 953 965; 1531 955 966; 1532 961 963; 1533 969 961
491. 1534 969 957; 1535 965 957; 1536 966 959; 1537 965 966; 1540 959 963
492. 1541 842 714; 1543 843 715; 1545 849 721; 1547 850 722; 1549 856 728
493. 1550 978 1030; 1551 861 733; 1552 980 1023; 1553 862 734; 1554 982 862
494. 1555 866 738; 1556 984 866; 1557 867 739; 1558 986 1027; 1559 873 745
495. 1560 988 1025; 1561 970 972; 1562 974 976; 1563 980 982; 1564 986 984
496. 1565 970 974; 1566 972 976; 1567 976 982; 1568 982 984; 1569 980 1000
497. 1582 988 1021; 1583 1021 986; 1585 1000 986; 1586 1020 1000; 1588 1019 980
498. 1589 953 837; 1590 1002 953; 1591 955 838; 1592 1004 955; 1593 957 847
499. 1594 1006 957; 1595 959 848; 1596 1008 959; 1597 970 842; 1598 1010 970
500. 1599 972 843; 1600 1012 972; 1601 974 849; 1602 1014 974; 1603 976 850
501. 1604 1016 976; 1605 1006 1008; 1606 1002 1017; 1607 1004 1018; 1608 1017 1006
502. 1609 1018 1008; 1610 1017 1018; 1611 1010 1012; 1612 1014 1016; 1613 1010 1014
503. 1614 1012 1016; 1615 978 1019; 1617 1020 1021; 1618 1019 1020; 1619 1022 1031
504. 1620 1022 974; 1621 1023 861; 1622 1023 1024; 1623 1025 873; 1624 1025 1026
505. 1625 1027 867; 1626 1026 1027; 1627 1024 1027; 1628 1028 1024; 1629 1029 1023
506. 1630 1030 856; 1631 1030 1029; 1632 1028 1026; 1633 1029 1028; 1634 1031 980
507. 1635 978 1031; 1636 1032 713; 1637 1033 748; 1638 1032 1033; 1639 1034 70
508. 1640 1035 1036; 1641 1036 27; 1642 1037 179
509. START GROUP DEFINITION
510. FLOOR
511. _STAIR1 213 240 241 262 266 342 514 530 531 550 551 594 719 735 736 754 755 -
512. 798 919 935 936 954 955 998 1119 1135 1136 1154 1155 1198 1350 1366 1367 -
513. 1385 1386 1427
514. _STAIR1A 229 236 246 256 302 410 525 527 536 545 574 657 730 732 741 749 778 -
515. 861 930 932 941 949 978 1061 1130 1132 1141 1149 1178 1261 1361 1363 1372 -
516. 1380 1407
517. _SUNK 249 303 421 425 575 668 672 779 872 875 979 1072 1075 1179 1272 1275 -
518. 1288 TO 1291
519. _TOILET12SUNK 215 224 230 242 247 249 258 260 261 267 284 286 291 303 309 -
520. 319 341 TO 343 346 349 353 360 363 364 374 379 383 386 387 389 406 408 409 -
521. 414 418 419 421 425 515 520 526 532 537 547 TO 549 552 559 561 565 575 579 -
522. 583 593 TO 595 598 601 604 611 614 615 625 630 634 637 638 640 654 TO 656 -
523. 661 665 666 668 672 720 725 731 737 742 751 TO 753 756 763 765 769 779 783 -
524. 787 797 TO 799 802 805 808 815 818 819 829 834 838 841 842 844 858 TO 860 -
525. 865 869 870 872 875 920 925 931 937 942 951 TO 953 956 963 965 969 979 983 -
526. 987 997 TO 999 1002 1005 1008 1015 1018 1019 1029 1034 1038 1041 1042 1044 -
527. 1058 TO 1060 1065 1069 1070 1072 1075 1120 1125 1131 1137 1142 1151 TO 1153 -
528. 1156 1163 1165 1179 1183 1187 1197 TO 1199 1202 1205 1208 1215 1218 1219 -
529. 1229 1234 1238 1241 1242 1244 1258 TO 1260 1265 1269 1270 1272 1275 1278 -
530. 1280 1282 1284 1286 1288 TO 1291 1638
531. _SUNK1 230 249 414 418 419 526 661 665 666 731 865 869 870 931 1065 1069 -
532. 1070 1131 1265 1269 1270 1278 1280 1282 1284 1286 1288 TO 1291
533. END GROUP DEFINITION
534. SUPPORTS
535. 46 TO 77 79 TO 87 820 FIXED
536. MEMBER RELEASE
537. 94 97 99 103 107 TO 109 117 122 123 133 137 140 143 147 150 153 156 159 160 -
538. 162 262 268 285 286 295 298 304 307 314 319 330 331 336 343 346 349 353 354 -
539. 356 359 TO 361 367 374 TO 379 385 386 389 391 393 395 397 400 401 411 412 -
540. 418 419 421 425 428 550 553 560 561 567 570 576 578 582 583 586 587 591 595 -
541. 598 601 604 605 607 610 TO 612 618 625 TO 630 636 637 640 642 644 646 648 -
542. 650 658 659 665 666 668 672 754 757 764 765 771 774 780 782 786 787 790 791 -
```

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
543. 795 799 802 805 808 809 811 814 TO 816 822 829 TO 834 840 841 844 846 848 -
544. 850 852 854 862 863 869 870 872 875 954 957 964 965 971 973 980 982 986 987 -
545. 990 991 995 999 1002 1005 1008 1009 1011 1014 TO 1016 1022 1029 TO 1034 -
546. 1040 1041 1044 1046 1048 1050 1052 1054 1062 1063 1069 1070 1072 1075 1154 -
547. 1157 1164 1165 1171 1173 1180 1182 1186 1187 1190 1191 1195 1199 1202 1205 -
548. 1208 1209 1211 1214 TO 1216 1222 1229 TO 1234 1240 1241 1244 1246 1248 1250 -
549. 1252 1254 1262 1263 1269 1270 1272 1275 1293 1294 1297 1298 1301 1302 1305 -
550. 1306 1382 1385 1388 1390 1395 1396 1404 1409 1411 1415 1416 1419 1420 1424 -
551. 1428 1434 1438 1440 1443 TO 1445 1451 1459 TO 1463 1473 1483 1490 1493 1499 -
552. 1502 1507 1534 1537 1586 1588 1610 1619 1628 1629 1638 START MY MZ
553. 48 64 99 103 106 113 116 117 127 129 132 148 151 153 156 164 TO 166 268 279 -
554. 288 291 312 314 332 336 343 344 346 352 353 357 360 361 366 369 371 -
555. 374 TO 378 386 389 390 393 395 397 402 405 408 409 411 415 418 422 423 425 -
556. 426 428 553 557 563 565 580 582 583 588 591 595 596 598 603 604 608 611 612 -
557. 617 620 622 625 TO 629 637 640 641 644 646 648 653 655 656 658 662 665 669 -
558. 670 672 757 761 767 769 784 786 787 792 795 799 800 802 807 808 812 815 816 -
559. 821 824 826 829 TO 833 841 844 845 848 850 852 857 859 860 862 866 869 873 -
560. 874 TO 875 957 961 967 969 984 986 987 992 995 999 1000 1002 1007 1008 1012 -
561. 1015 1016 1021 1024 1026 1029 TO 1033 1041 1044 1045 1048 1050 1052 1057 -
562. 1059 1060 1062 1066 1069 1073 TO 1075 1157 1161 1167 1169 1184 1186 1187 -
563. 1192 1195 1199 1200 1202 1207 1208 1212 1215 1216 1221 1224 1226 -
564. 1229 TO 1233 1241 1244 1245 1248 1250 1252 1257 1259 1260 1262 1266 1269 -
565. 1273 TO 1275 1295 1388 1392 1398 1400 1413 1415 1421 1424 1426 1428 1434 -
566. 1440 1444 1445 1450 1453 1455 1459 TO 1462 1473 1474 1484 TO 1486 1493 1500 -
567. 1501 TO 1502 1537 1586 1610 1617 1628 1632 1635 1638 END MY MZ
568. DEFINE MATERIAL START
569. ISOTROPIC CONCRETE
570. E 2.17185E+07
571. POISSON 0.17
572. DENSITY 23.5616
573. ALPHA 1E-05
574. DAMP 0.05
575. G 9.28139E+06
576. TYPE CONCRETE
577. STRENGTH FCU 27579
578. END DEFINE MATERIAL
579. MEMBER PROPERTY
580. 43 TO 46 48 49 51 52 55 56 61 65 TO 68 70 75 76 79 80 82 85 TO 87 99 -
581. 101 TO 103 112 113 121 TO 123 125 127 TO 129 133 139 140 144 148 151 TO 153 -
582. 156 160 210 427 428 1527 1528 1530 1531 1534 TO 1537 1540 1561 1563 TO 1567 -
583. 1586 1588 1605 TO 1614 1619 1634 1635 PRIS YD 0.3 ZD 0.23
584. 47 50 53 54 57 TO 60 64 72 TO 74 78 89 TO 98 100 104 TO 110 115 TO 119 124 -
585. 130 TO 132 135 TO 138 154 157 TO 159 161 TO 166 249 414 426 661 865 1065 -
586. 1265 1288 TO 1291 1492 1505 1529 1532 1533 1562 1568 1569 1585 1620 1628 -
587. 1629 PRIS YD 0.38 ZD 0.23
588. 62 71 81 83 84 88 114 141 TO 143 145 TO 147 149 150 155 211 213 215 217 221 -
589. 222 TO 230 236 238 TO 247 250 TO 258 260 TO 262 266 TO 270 278 279.-
590. 283 TO 288 290 291 293 295 TO 305 307 309 312 TO 314 319 324 325 330 TO 333 -
591. 335 336 340 TO 349 351 TO 398 400 402 405 408 410 TO 413 415 TO 423 425 516 -
592. 517 TO 522 524 525 530 TO 532 535 537 544 545 549 TO 553 555 557 561 TO 565 -
593. 567 TO 570 572 573 577 TO 586 590 593 TO 599 601 TO 604 618 TO 620 -
594. 622 TO 625 637 638 640 TO 644 646 648 650 654 TO 658 665 668 670 672 673 -
595. 721 TO 727 729 730 735 TO 737 740 742 748 749 753 TO 757 759 761 765 TO 769 -
596. 771 TO 774 776 777 781 TO 790 794 797 TO 803 805 TO 808 822 TO 824 -
597. 826 TO 829 841 842 844 TO 848 850 852 854 858 TO 862 869 872 874 875 921 -
598. 922 TO 927 929 930 935 TO 937 940 942 948 949 953 TO 957 959 961 965 TO 969 -
```

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
599. 971 TO 973 976 977 981 TO 990 994 997 TO 1003 1005 TO 1008 1022 TO 1024 -
600. 1026 TO 1029 1041 1042 1044 TO 1048 1050 1052 1054 1058 TO 1062 1069 1072 -
601. 1074 1075 1121 TO 1127 1129 1130 1135 TO 1137 1140 1142 1148 1149 -
602. 1153 TO 1157 1159 1161 1165 TO 1169 1171 TO 1173 1176 1177 1181 TO 1190 -
603. 1194 1197 TO 1203 1205 PRIS YD 0.45 ZD 0.23
604. 1636 TO 1638 PRIS YD 0.45 ZD 0.23
605. 1352 TO 1358 1360 TO 1362 1366 TO 1368 1371 1373 1379 1380 1384 TO 1388 1390 -
606. 1392 1396 TO 1400 1403 TO 1406 1408 TO 1419 1423 1426 TO 1428 1432 1434 -
607. 1454 1498 1510 PRIS YD 0.45 ZD 0.23
608. 1206 TO 1208 1222 TO 1224 1226 TO 1229 1241 1242 1244 TO 1248 1250 1252 1254 -
609. 1259 1261 1262 1269 1272 1274 1275 1278 1280 1282 1284 1286 1292 -
610. 1294 TO 1307 1377 1391 1435 1451 TO 1453 1455 TO 1457 1473 1474 1483 1485 -
611. 1486 1499 1501 TO 1503 1507 1511 1512 PRIS YD 0.45 ZD 0.23
612. 1 7 8 11 TO 13 19 TO 21 24 27 30 TO 32 36 38 TO 42 429 441 443 449 451 453 -
613. 465 467 469 475 481 487 489 491 499 503 505 507 509 511 1277 -
614. 1279 PRIS YD 0.3 ZD 0.6
615. 2 5 6 18 22 23 37 431 437 439 463 471 473 501 PRIS YD 0.6 ZD 0.3
616. 3 4 9 10 14 15 17 28 29 34 35 430 433 TO 436 442 444 TO 448 450 452 -
617. 454 TO 458 461 462 466 468 470 476 478 482 TO 486 488 490 492 495 TO 498 -
618. 500 504 506 508 510 512 677 679 680 683 TO 691 693 695 TO 697 700 701 703 -
619. 704 TO 711 713 TO 717 877 879 880 883 TO 891 893 895 TO 897 900 901 -
620. 903 TO 911 913 TO 917 1077 1079 1080 1083 TO 1091 1093 1095 TO 1097 1100 -
621. 1101 1103 TO 1111 1113 TO 1117 1281 1283 1285 1287 1308 1314 1315 -
622. 1318 TO 1320 1326 TO 1328 1331 1334 1337 TO 1339 1342 1344 TO 1346 1348 -
623. 1504 1513 TO 1515 1519 1521 1523 1524 1541 1543 1547 1551 TO 1560 1589 1590 -
624. 1593 TO 1600 1603 1604 1621 1623 1625 1642 PRIS YD 0.23 ZD 0.6
625. 16 26 432 438 440 459 460 464 472 474 479 480 502 678 681 682 692 694 698 -
626. 699 702 712 878 881 882 892 894 898 899 902 912 1078 1081 1082 1092 1094 -
627. 1098 1099 1102 1112 1309 1313 1325 1329 1343 1517 1525 1526 1545 1549 1550 -
628. 1591 1592 1601 1602 1630 PRIS YD 0.6 ZD 0.23
629. 513 TO 515 523 526 TO 529 533 534 536 539 TO 543 546 TO 548 554 556 -
630. 558 TO 560 566 574 TO 576 587 TO 589 591 592 600 605 TO 617 621 626 TO 636 -
631. 639 645 647 649 653 659 660 662 TO 664 666 667 669 718 TO 720 728 -
632. 731 TO 734 738 739 741 743 TO 747 750 TO 752 758 760 762 TO 764 770 -
633. 778 TO 780 791 TO 793 795 796 804 809 TO 821 825 830 TO 840 843 849 851 853 -
634. 857 863 864 866 TO 868 870 871 873 918 TO 920 928 931 TO 934 938 939 941 -
635. 943 TO 947 950 TO 952 958 960 962 TO 964 970 978 TO 980 991 TO 993 995 996 -
636. 1004 1009 TO 1021 1025 1030 TO 1040 1043 1049 1051 1053 1057 1063 1064 1066 -
637. 1067 TO 1068 1070 1071 1073 1118 TO 1120 1128 1131 TO 1134 1138 1139 1141 -
638. 1143 TO 1147 1150 TO 1152 1158 1160 1162 TO 1164 1170 1178 TO 1180 -
639. 1191 TO 1193 1195 1196 1204 1209 TO 1221 1225 1230 TO 1240 1243 1249 1251 -
640. 1253 1257 1263 1264 1266 TO 1268 1270 1271 1273 1349 TO 1351 1359 -
641. 1363 TO 1365 1369 1370 1372 1374 TO 1376 1378 1381 TO 1383 1389 -
642. 1393 TO 1395 1401 1407 1420 TO 1422 1424 1425 1433 1438 TO 1440 -
643. 1442 TO 1450 1459 TO 1468 1472 1480 1484 1490 1491 1493 1494 1500 1582 1583 -
644. 1615 1617 1618 1622 1624 1626 1627 1631 TO 1633 PRIS YD 0.6 ZD 0.23
645. 401 406 409 1258 1260 1293 PRIS YD 0.45 ZD 0.3
646. 25 477 1639 TO 1641 PRIS YD 0.23 ZD 0.68
647. CONSTANTS
648. MATERIAL CONCRETE ALL
649. LOAD 1 LOADTYPE DEAD  TITLE WDL
650. SELFWEIGHT Y -1 LIST ALL
651. MEMBER LOAD
652. 43 TO 62 64 TO 68 70 TO 76 78 TO 110 112 TO 119 121 TO 125 127 TO 133 135 -
653. 136 TO 166 210 426 TO 428 673 UNI GY -2.323
654. 45 46 49 53 54 60 65 70 74 TO 76 78 TO 81 90 91 96 99 TO 103 106 107 109 110 -
```



Dr.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com

```
655. 112 113 116 TO 118 131 TO 133 135 137 TO 139 141 152 154 155 426 TO 427 -
656. 428 UNI GY -5.96
657. 211 213 215 217 221 222 227 228 236 238 TO 246 250 252 253 256 TO 258 260 -
658. 261 266 TO 269 278 283 TO 288 293 295 TO 298 301 302 305 307 313 314 325 -
659. 331 333 335 336 342 343 345 347 348 351 353 TO 355 357 TO 362 365 366 378 -
660. 379 384 385 388 TO 390 394 405 410 412 TO 416 419 423 425 513 TO 518 523 -
661. 524 527 TO 536 539 541 542 545 TO 549 551 TO 554 556 558 TO 563 566 TO 570 -
662. 573 574 577 578 581 582 585 587 589 TO 591 594 595 597 599 600 602 -
663. 604 TO 606 608 TO 613 616 617 629 630 635 636 639 TO 641 645 653 657 659 -
664. 660 TO 663 666 670 672 718 TO 723 728 729 732 TO 741 743 745 746 749 TO 753 -
665. 755 TO 758 760 762 TO 767 770 TO 774 777 778 781 782 785 786 789 791 793 -
666. 794 TO 795 798 799 801 803 804 806 808 TO 810 812 TO 817 820 821 833 834 839 -
667. 840 843 TO 845 849 857 861 863 TO 867 870 874 875 918 TO 923 928 929 932 -
668. 933 TO 941 943 945 946 949 TO 953 955 TO 958 960 962 TO 967 970 TO 973 977 -
669. 978 981 982 985 986 989 991 993 TO 995 998 999 1001 1003 1004 1006 -
670. 1008 TO 1010 1012 TO 1017 1020 1021 1033 1034 1039 1040 1043 TO 1045 1049 -
671. 1057 1061 1063 TO 1067 1070 1074 1075 1118 TO 1123 1125 1126 1128 1129 1132 -
672. 1133 TO 1141 1143 1145 1637 UNI GY -6.192
673. 1146 1147 1149 TO 1153 1155 TO 1158 1160 1162 TO 1166 1168 1170 1172 1177 -
674. 1178 1181 1182 1185 1186 1189 1191 1193 TO 1195 1198 1199 1201 1203 1204 -
675. 1206 1208 TO 1210 1212 TO 1217 1220 1221 1233 1234 1237 1239 1240 -
676. 1243 TO 1245 1249 1251 1253 1257 1261 1263 TO 1267 1270 1274 1275 1278 1280 -
677. 1282 1284 1286 1292 1294 1295 1350 1352 TO 1354 1359 1363 1366 TO 1372 1381 -
678. 1384 1386 TO 1389 1403 TO 1405 1407 1414 1427 1432 1468 1491 1510 -
679. 1636 UNI GY -6.192
680. 223 TO 226 230 247 249 254 255 270 279 290 291 303 304 309 319 324 330 340 -
681. 341 346 349 352 363 364 367 TO 371 374 380 382 383 386 387 391 TO 393 395 -
682. 396 TO 398 400 401 406 408 409 411 417 418 420 421 519 TO 522 526 537 543 -
683. 544 555 557 564 565 575 576 579 583 584 586 592 593 598 601 603 614 615 618 -
684. 619 TO 622 625 631 633 634 637 638 642 TO 644 646 TO 650 654 TO 656 658 664 -
685. 665 667 668 724 TO 727 731 742 747 748 759 761 768 769 779 780 783 787 788 -
686. 790 796 797 802 805 807 818 819 822 TO 826 829 835 837 838 841 842 -
687. 846 TO 848 850 TO 854 858 TO 860 862 868 869 871 872 924 TO 927 931 942 947 -
688. 948 959 961 968 969 979 980 983 987 988 990 996 997 1002 1005 1007 1018 -
689. 1019 1022 TO 1026 1029 1035 1037 1038 1041 1042 1046 TO 1048 1050 TO 1054 -
690. 1058 TO 1060 1062 1068 1069 1071 1072 1124 1127 1131 1142 1148 1159 1161 -
691. 1167 1169 1179 1180 1183 1187 1188 1190 1196 1197 1202 1205 1207 1218 1219 -
692. 1222 TO 1226 1229 1235 1238 1241 1242 1246 TO 1248 1250 1254 1258 TO 1260 -
693. 1262 1268 1269 1271 1272 1288 TO 1291 1293 1297 TO 1299 1301 TO 1303 1305 -
694. 1306 TO 1307 1638 UNI GY -3.096
695. 251 356 375 TO 377 540 607 626 TO 628 744 811 830 TO 832 944 1011 -
696. 1030 TO 1032 1144 1211 1230 TO 1232 1349 1351 1356 1364 1365 1374 TO 1378 -
697. 1391 1393 1395 1396 1399 1401 1418 1420 1422 TO 1424 1428 1433 1438 TO 1440 -
698. 1442 TO 1446 1449 1450 1459 1460 1462 1463 1465 1472 TO 1474 1480 1484 1490 -
699. 1492 TO 1494 1501 TO 1503 1528 1535 TO 1537 1561 1562 1565 -
700. 1566 UNI GY -3.15
701. 1622 1626 TO 1629 1632 1633 UNI GY -7.62
702. 1380 UNI GY -2.1
703. LOAD 2 LOADTYPE DEAD  TITLE SDL
704. FLOOR LOAD
705. YRANGE 3.9 3.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 0 4.84  GY
```

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

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.

706. YRANGE 3.9 3.9 FLOAD -5.25 XRANGE 0 3.89 ZRANGE 4.84 10.33 GY
707. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 3.89 5.37 ZRANGE 0.95 3.66 GY
708. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 3.89 5.37 ZRANGE 3.66 4.84 GY
709. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 9.89 11.54 ZRANGE 3.07 4.84 GY
710. YRANGE 3.9 3.9 FLOAD -5.25 XRANGE 11.54 15.66 ZRANGE 0 4.84 GY
711. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 15.66 18.71 ZRANGE 1.36 3.87 GY
712. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 18.71 22.78 ZRANGE 0.71 3.87 GY
713. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 22.78 24.54 ZRANGE 0.6 3.87 GY
714. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 24.54 28.42 ZRANGE 0.6 3.87 GY
715. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 30.38 32.4 ZRANGE 0.75 3.54 GY
716. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 32.4 36.51 ZRANGE 0.75 3.54 GY
717. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 36.51 39.03 ZRANGE 0.75 2.31 GY
718. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 36.51 39.03 ZRANGE 2.31 3.54 GY
719. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 39.03 42.34 ZRANGE 0.75 4.23 GY
720. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 39.03 42.34 ZRANGE 4.23 6.82 GY
721. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 37.84 42.34 ZRANGE 6.82 10.29 GY
722. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 30.38 34.87 ZRANGE 6.82 10.29 GY
723. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 30.38 32.4 ZRANGE 5.08 6.82 GY
724. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 30.38 32.4 ZRANGE 3.54 5.08 GY
725. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 27.89 30.38 ZRANGE 3.32 5.47 GY
726. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 25.22 27.89 ZRANGE 3.87 8.64 GY
727. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 25.22 27.89 ZRANGE 8.64 10.24 GY
728. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 19.81 23.85 ZRANGE 7.08 10.24 GY
729. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 19.81 25.22 ZRANGE 3.87 7.08 GY
730. YRANGE 3.9 3.9 FLOAD -5.25 XRANGE 15.66 19.81 ZRANGE 3.87 8.68 GY
731. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 12.8 15.66 ZRANGE 4.84 8.68 GY
732. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 9.33 12.8 ZRANGE 4.84 8.68 GY
733. YRANGE 3.9 3.9 FLOAD -5.25 XRANGE 5.52 9.33 ZRANGE 4.84 10.24 GY
734. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 3.89 5.52 ZRANGE 4.84 6.57 GY
735. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 3.89 5.52 ZRANGE 6.57 9.27 GY
736. YRANGE 3.9 3.9 FLOAD -4.625 XRANGE 9.89 11.54 ZRANGE 0 3.07 GY
737. ****
738. YRANGE 6.9 6.9 FLOAD -5.25 XRANGE 0 3.89 ZRANGE 0 4.84 GY
739. YRANGE 6.9 6.9 FLOAD -5.25 XRANGE 0 3.89 ZRANGE 4.84 10.33 GY
740. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 3.89 5.37 ZRANGE 0.95 3.66 GY
741. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 3.89 5.37 ZRANGE 3.66 4.84 GY
742. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 9.89 11.54 ZRANGE 3.07 4.84 GY
743. YRANGE 6.9 6.9 FLOAD -5.25 XRANGE 11.54 15.66 ZRANGE 0 4.84 GY
744. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 15.66 18.71 ZRANGE 1.36 3.87 GY
745. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 18.71 22.78 ZRANGE 0.71 3.87 GY
746. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 22.78 24.54 ZRANGE 0.6 3.87 GY
747. YRANGE 6.9 6.9 FLOAD -5.25 XRANGE 24.54 28.42 ZRANGE 0.6 5.47 GY
748. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 30.38 32.4 ZRANGE 0.75 3.54 GY
749. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 32.4 36.51 ZRANGE 0.75 3.54 GY
750. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 36.51 39.03 ZRANGE 0.75 2.31 GY
751. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 36.51 39.03 ZRANGE 2.31 3.54 GY
752. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 39.03 42.34 ZRANGE 0.75 4.23 GY
753. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 39.03 42.34 ZRANGE 4.23 6.82 GY
754. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 37.84 42.34 ZRANGE 6.82 10.29 GY
755. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 30.38 34.87 ZRANGE 6.82 10.29 GY

Er.S.K.Arun Kam... Project),MBA.,MIE.,
Chartered Structu...
Reg: Coimbatore LPA/SE, ...24
KAARVENS Structu... Consultancy,
41, BR Nagar, 3rd Street, ...yout,
Ramanathapuram, Coimb... 641005.
E: skarun@kaarvens.com W: ww... ...ens.com
M: +91-9894215019, O: +91-82...5019

```
756. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
757. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
758. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
759. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 5.47 8.64  GY
760. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
761. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
762. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
763. YRANGE 6.9 6.9 FLOAD -5.25 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
764. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
765. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
766. YRANGE 6.9 6.9 FLOAD -5.25 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
767. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
768. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
769. YRANGE 6.9 6.9 FLOAD -4.625 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
770. ****
771. YRANGE 9.9 9.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 0 4.84  GY
772. YRANGE 9.9 9.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
773. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
774. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
775. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
776. YRANGE 9.9 9.9 FLOAD -5.25 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
777. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
778. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
779. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
780. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 24.54 28.42  ZRANGE 0.6 5.47  GY
781. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
782. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
783. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
784. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
785. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
786. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
787. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
788. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
789. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
790. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
791. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
792. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 5.47 8.64  GY
793. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
794. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
795. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
796. YRANGE 9.9 9.9 FLOAD -5.25 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
797. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
798. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
799. YRANGE 9.9 9.9 FLOAD -5.25 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
800. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
801. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
802. YRANGE 9.9 9.9 FLOAD -4.625 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
803. ****
804. YRANGE 12.9 12.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 0 4.84  GY
805. YRANGE 12.9 12.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
806. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
807. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
808. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
809. YRANGE 12.9 12.9 FLOAD -5.25 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
810. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
811. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
```

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/CR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

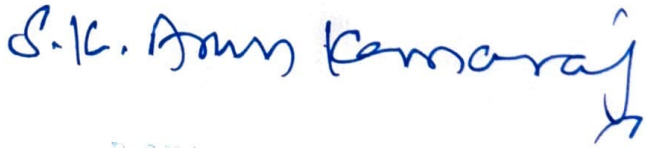
```
812. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
813. YRANGE 12.9 12.9 FLOAD -5.25 XRANGE 24.54 28.42  ZRANGE 0.6 5.47  GY
814. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
815. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
816. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
817. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
818. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
819. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
820. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
821. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
822. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
823. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
824. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
825. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 5.47 8.64  GY
826. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
827. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
828. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
829. YRANGE 12.9 12.9 FLOAD -5.25 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
830. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
831. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
832. YRANGE 12.9 12.9 FLOAD -5.25 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
833. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
834. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
835. YRANGE 12.9 12.9 FLOAD -4.625 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
836. ****
837. YRANGE 15.9 15.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 0 4.84  GY
838. YRANGE 15.9 15.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
839. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
840. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
841. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
842. YRANGE 15.9 15.9 FLOAD -5.25 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
843. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
844. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
845. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
846. YRANGE 15.9 15.9 FLOAD -5.25 XRANGE 24.54 28.42  ZRANGE 0.6 5.47  GY
847. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
848. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
849. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
850. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
851. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
852. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
853. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
854. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
855. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
856. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
857. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
858. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 5.47 8.64  GY
859. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
860. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
861. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
862. YRANGE 15.9 15.9 FLOAD -5.25 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
863. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
864. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
865. YRANGE 15.9 15.9 FLOAD -5.25 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
866. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
867. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
```

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

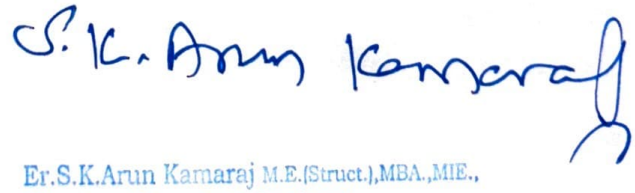
```
868. YRANGE 15.9 15.9 FLOAD -4.625 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
869. ****
870. YRANGE 18.9 18.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 0 4.84  GY
871. YRANGE 18.9 18.9 FLOAD -5.25 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
872. YRANGE 18.9 18.9 FLOAD -5.25 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
873. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
874. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
875. YRANGE 18.9 18.9 FLOAD -5.25 XRANGE 22.78 28.42  ZRANGE 0.6 3.87  GY
876. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
877. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
878. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 36.51 39.03  ZRANGE 0.75 3.54  GY
879. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
880. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
881. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 36.51 42.34  ZRANGE 6.82 10.29  GY
882. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
883. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 30.38 32.4  ZRANGE 3.54 6.82  GY
884. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
885. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
886. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
887. YRANGE 18.9 18.9 FLOAD -5.25 XRANGE 12.8 15.66  ZRANGE 4.84 10.24  GY
888. YRANGE 18.9 18.9 FLOAD -5.25 XRANGE 9.33 12.8  ZRANGE 4.84 10.24  GY
889. YRANGE 18.9 18.9 FLOAD -5.25 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
890. YRANGE 18.9 18.9 FLOAD -4.625 XRANGE 34.87 36.51  ZRANGE 6.82 9.45  GY
891. YRANGE 19.81 19.81 FLOAD -6.5 XRANGE 24.54 27.89  ZRANGE 5.47 10.01  GY
892. YRANGE 21.34 21.34 FLOAD -4.625 XRANGE 24.54 27.89  ZRANGE 3.87 10.01  GY
893. YRANGE 21.34 21.34 FLOAD -4.625 XRANGE 27.89 30.38  ZRANGE 3.32 10.01  GY
894. YRANGE 22.56 22.56 FLOAD -6.5 XRANGE 28.42 30.38  ZRANGE 1.36 3.32  GY
895. YRANGE 21.34 21.34 FLOAD -4.625 XRANGE 5.37 7.94  ZRANGE 0 3.07  GY
896. YRANGE 22.56 22.56 FLOAD -6.5 XRANGE 7.94 9.89  ZRANGE 1.19 3.07  GY
897. _TOILET12SUNK FLOAD -2 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.

898. _SUNK FLOAD -4.625 GY
899. ONEWAY LOAD
900. YRANGE 18.9 18.9 ONE -4.625 XRANGE 3.89 5.37  ZRANGE 0.95 4.84  GY
901. YRANGE 18.9 18.9 ONE -4.625 XRANGE 3.89 5.52  ZRANGE 4.84 9.27  GY
902. YRANGE 18.9 18.9 ONE -4.625 XRANGE 9.89 11.54  ZRANGE 0 4.84  GY
903. YRANGE 3.9 3.9 ONE -4.625 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
904. YRANGE 3.9 3.9 ONE -5.25 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
905. YRANGE 3.9 3.9 ONE -4.625 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
906. YRANGE 3.9 3.9 ONE -4.625 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
907. YRANGE 3.9 3.9 ONE -4.625 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
908. YRANGE 3.9 3.9 ONE -4.625 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
909. YRANGE 6.9 6.9 ONE -4.625 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
910. YRANGE 6.9 6.9 ONE -5.25 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
911. YRANGE 6.9 6.9 ONE -4.625 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
912. YRANGE 6.9 6.9 ONE -4.625 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
913. YRANGE 6.9 6.9 ONE -4.625 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
914. YRANGE 6.9 6.9 ONE -4.625 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
```



Dr.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg:Coimbatore LA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
915. _STAIR1 ONE -5.25 GY INCLINED TOWARDS 213
916. _STAIR1A ONE -5.25 GY INCLINED TOWARDS 236
917. YRANGE 9.9 9.9 ONE -4.625 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
918. YRANGE 9.9 9.9 ONE -5.25 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
919. YRANGE 9.9 9.9 ONE -4.625 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
920. YRANGE 9.9 9.9 ONE -4.625 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
921. YRANGE 9.9 9.9 ONE -4.625 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
922. YRANGE 9.9 9.9 ONE -4.625 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
923. YRANGE 12.9 12.9 ONE -4.625 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
924. YRANGE 12.9 12.9 ONE -5.25 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
925. YRANGE 12.9 12.9 ONE -4.625 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
926. YRANGE 12.9 12.9 ONE -4.625 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
927. YRANGE 12.9 12.9 ONE -4.625 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
928. YRANGE 12.9 12.9 ONE -4.625 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
929. YRANGE 15.9 15.9 ONE -4.625 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
930. YRANGE 15.9 15.9 ONE -5.25 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
931. YRANGE 15.9 15.9 ONE -4.625 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
932. YRANGE 15.9 15.9 ONE -4.625 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
933. YRANGE 15.9 15.9 ONE -4.625 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
934. YRANGE 15.9 15.9 ONE -4.625 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
935. YRANGE 18.9 18.9 ONE -4.625 XRANGE 25.22 27.89  ZRANGE 3.87 10.24  GY
936. YRANGE 18.9 18.9 ONE -4.625 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
937. YRANGE 18.9 18.9 ONE -5.25 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
938. YRANGE 18.9 18.9 ONE -4.625 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
939. YRANGE 21.34 21.34 ONE -4.625 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
940. _SUNK1 ONE -4.625 GY
941. ****
942. LOAD 3 LOADTYPE LIVE  TITLE LL
943. FLOOR LOAD
944. YRANGE 3.9 3.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 0 4.84  GY
945. YRANGE 3.9 3.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
946. YRANGE 3.9 3.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
947. YRANGE 3.9 3.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
948. YRANGE 3.9 3.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
949. YRANGE 3.9 3.9 FLOAD -2 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
950. YRANGE 3.9 3.9 FLOAD -2 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
951. YRANGE 3.9 3.9 FLOAD -2 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
952. YRANGE 3.9 3.9 FLOAD -2 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
953. YRANGE 3.9 3.9 FLOAD -2 XRANGE 24.54 28.42  ZRANGE 0.6 3.87  GY
954. YRANGE 3.9 3.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
955. YRANGE 3.9 3.9 FLOAD -2 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
956. YRANGE 3.9 3.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
957. YRANGE 3.9 3.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
958. YRANGE 3.9 3.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
959. YRANGE 3.9 3.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
960. YRANGE 3.9 3.9 FLOAD -2 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
961. YRANGE 3.9 3.9 FLOAD -2 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
962. YRANGE 3.9 3.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
963. YRANGE 3.9 3.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
964. YRANGE 3.9 3.9 FLOAD -2 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
965. YRANGE 3.9 3.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 3.87 8.64  GY
966. YRANGE 3.9 3.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
967. YRANGE 3.9 3.9 FLOAD -2 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
```



Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/634/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
968. YRANGE 3.9 3.9 FLOAD -2 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
969. YRANGE 3.9 3.9 FLOAD -2 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
970. YRANGE 3.9 3.9 FLOAD -2 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
971. YRANGE 3.9 3.9 FLOAD -2 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
972. YRANGE 3.9 3.9 FLOAD -2 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
973. YRANGE 3.9 3.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
974. YRANGE 3.9 3.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
975. YRANGE 3.9 3.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
976. *****
977. YRANGE 6.9 6.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 0 4.84  GY
978. YRANGE 6.9 6.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
979. YRANGE 6.9 6.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
980. YRANGE 6.9 6.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
981. YRANGE 6.9 6.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
982. YRANGE 6.9 6.9 FLOAD -2 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
983. YRANGE 6.9 6.9 FLOAD -2 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
984. YRANGE 6.9 6.9 FLOAD -2 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
985. YRANGE 6.9 6.9 FLOAD -2 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
986. YRANGE 6.9 6.9 FLOAD -2 XRANGE 24.54 28.42  ZRANGE 0.6 5.47  GY
987. YRANGE 6.9 6.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
988. YRANGE 6.9 6.9 FLOAD -2 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
989. YRANGE 6.9 6.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
990. YRANGE 6.9 6.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
991. YRANGE 6.9 6.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
992. YRANGE 6.9 6.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
993. YRANGE 6.9 6.9 FLOAD -2 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
994. _SUNK FLOAD -2 GY
995. YRANGE 6.9 6.9 FLOAD -2 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
996. YRANGE 6.9 6.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
997. YRANGE 6.9 6.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
998. YRANGE 6.9 6.9 FLOAD -2 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
999. YRANGE 6.9 6.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 5.47 8.64  GY
1000. YRANGE 6.9 6.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
1001. YRANGE 6.9 6.9 FLOAD -2 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
1002. YRANGE 6.9 6.9 FLOAD -2 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
1003. YRANGE 6.9 6.9 FLOAD -2 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
1004. YRANGE 6.9 6.9 FLOAD -2 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
1005. YRANGE 6.9 6.9 FLOAD -2 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
1006. YRANGE 6.9 6.9 FLOAD -2 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
1007. YRANGE 6.9 6.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
1008. YRANGE 6.9 6.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
1009. YRANGE 6.9 6.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
1010. ONEWAY LOAD
1011. _STAIR1 ONE -2 GY INCLINED TOWARDS 213
1012. _STAIR1A ONE -2 GY INCLINED TOWARDS 236
1013. YRANGE 6.9 6.9 ONE -2 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
1014. YRANGE 6.9 6.9 ONE -2 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
1015. YRANGE 6.9 6.9 ONE -2 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
1016. YRANGE 6.9 6.9 ONE -2 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
1017. YRANGE 6.9 6.9 ONE -2 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
1018. YRANGE 6.9 6.9 ONE -2 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
1019. *****
1020. FLOOR LOAD
```

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
1021. YRANGE 9.9 9.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 0 4.84  GY
1022. YRANGE 9.9 9.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
1023. YRANGE 9.9 9.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
1024. YRANGE 9.9 9.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
1025. YRANGE 9.9 9.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
1026. YRANGE 9.9 9.9 FLOAD -2 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
1027. YRANGE 9.9 9.9 FLOAD -2 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
1028. YRANGE 9.9 9.9 FLOAD -2 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
1029. YRANGE 9.9 9.9 FLOAD -2 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
1030. YRANGE 9.9 9.9 FLOAD -2 XRANGE 24.54 28.42  ZRANGE 0.6 5.47  GY
1031. YRANGE 9.9 9.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
1032. YRANGE 9.9 9.9 FLOAD -2 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
1033. YRANGE 9.9 9.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
1034. YRANGE 9.9 9.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
1035. YRANGE 9.9 9.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
1036. YRANGE 9.9 9.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
1037. YRANGE 9.9 9.9 FLOAD -2 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
1038. YRANGE 9.9 9.9 FLOAD -2 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
1039. YRANGE 9.9 9.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
1040. YRANGE 9.9 9.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
1041. YRANGE 9.9 9.9 FLOAD -2 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
1042. YRANGE 9.9 9.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 3.87 8.64  GY
1043. YRANGE 9.9 9.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
1044. YRANGE 9.9 9.9 FLOAD -2 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
1045. YRANGE 9.9 9.9 FLOAD -2 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
1046. YRANGE 9.9 9.9 FLOAD -2 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
1047. YRANGE 9.9 9.9 FLOAD -2 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
1048. YRANGE 9.9 9.9 FLOAD -2 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
1049. YRANGE 9.9 9.9 FLOAD -2 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
1050. YRANGE 9.9 9.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
1051. YRANGE 9.9 9.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
1052. YRANGE 9.9 9.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
1053. ONEWAY LOAD
1054. YRANGE 9.9 9.9 ONE -2 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
1055. YRANGE 9.9 9.9 ONE -2 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
1056. YRANGE 9.9 9.9 ONE -2 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
1057. YRANGE 9.9 9.9 ONE -2 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
1058. YRANGE 9.9 9.9 ONE -2 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
1059. YRANGE 9.9 9.9 ONE -2 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
1060. FLOOR LOAD
1061. _SUNK FLOAD -2 GY
1062. *****
1063. YRANGE 12.9 12.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 0 4.84  GY
1064. YRANGE 12.9 12.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
1065. YRANGE 12.9 12.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
1066. YRANGE 12.9 12.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
1067. YRANGE 12.9 12.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
```

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
1068. YRANGE 12.9 12.9 FLOAD -2 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
1069. YRANGE 12.9 12.9 FLOAD -2 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
1070. YRANGE 12.9 12.9 FLOAD -2 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
1071. YRANGE 12.9 12.9 FLOAD -2 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
1072. YRANGE 12.9 12.9 FLOAD -2 XRANGE 24.54 28.42  ZRANGE 0.6 5.47  GY
1073. YRANGE 12.9 12.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
1074. YRANGE 12.9 12.9 FLOAD -2 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
1075. YRANGE 12.9 12.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
1076. YRANGE 12.9 12.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
1077. YRANGE 12.9 12.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
1078. YRANGE 12.9 12.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
1079. YRANGE 12.9 12.9 FLOAD -2 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
1080. YRANGE 12.9 12.9 FLOAD -2 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
1081. YRANGE 12.9 12.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
1082. YRANGE 12.9 12.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
1083. YRANGE 12.9 12.9 FLOAD -2 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
1084. YRANGE 12.9 12.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 5.47 8.64  GY
1085. YRANGE 12.9 12.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
1086. YRANGE 12.9 12.9 FLOAD -2 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
1087. YRANGE 12.9 12.9 FLOAD -2 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
1088. YRANGE 12.9 12.9 FLOAD -2 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
1089. YRANGE 12.9 12.9 FLOAD -2 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
1090. YRANGE 12.9 12.9 FLOAD -2 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
1091. YRANGE 12.9 12.9 FLOAD -2 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
1092. YRANGE 12.9 12.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
1093. YRANGE 12.9 12.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
1094. YRANGE 12.9 12.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
1095. ONEWAY LOAD
1096. YRANGE 12.9 12.9 ONE -2 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
1097. YRANGE 12.9 12.9 ONE -2 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
1098. YRANGE 12.9 12.9 ONE -2 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
1099. YRANGE 12.9 12.9 ONE -2 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
1100. YRANGE 12.9 12.9 ONE -2 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
1101. YRANGE 12.9 12.9 ONE -2 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
1102. *****
1103. FLOOR LOAD
1104. YRANGE 15.9 15.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 0 4.84  GY
1105. YRANGE 15.9 15.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
1106. YRANGE 15.9 15.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 0.95 3.66  GY
1107. YRANGE 15.9 15.9 FLOAD -2 XRANGE 3.89 5.37  ZRANGE 3.66 4.84  GY
1108. YRANGE 15.9 15.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 3.07 4.84  GY
1109. YRANGE 15.9 15.9 FLOAD -2 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
1110. YRANGE 15.9 15.9 FLOAD -2 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
1111. YRANGE 15.9 15.9 FLOAD -2 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
1112. YRANGE 15.9 15.9 FLOAD -2 XRANGE 22.78 24.54  ZRANGE 0.6 3.87  GY
1113. YRANGE 15.9 15.9 FLOAD -2 XRANGE 24.54 28.42  ZRANGE 0.6 5.47  GY
1114. YRANGE 15.9 15.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
1115. YRANGE 15.9 15.9 FLOAD -2 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
1116. YRANGE 15.9 15.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 0.75 2.31  GY
1117. YRANGE 15.9 15.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 2.31 3.54  GY
```



Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
1118. YRANGE 15.9 15.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
1119. YRANGE 15.9 15.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
1120. YRANGE 15.9 15.9 FLOAD -2 XRANGE 37.84 42.34  ZRANGE 6.82 10.29  GY
1121. YRANGE 15.9 15.9 FLOAD -2 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
1122. YRANGE 15.9 15.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 5.08 6.82  GY
1123. YRANGE 15.9 15.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 3.54 5.08  GY
1124. YRANGE 15.9 15.9 FLOAD -2 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
1125. YRANGE 15.9 15.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 5.47 8.64  GY
1126. YRANGE 15.9 15.9 FLOAD -2 XRANGE 25.22 27.89  ZRANGE 8.64 10.24  GY
1127. YRANGE 15.9 15.9 FLOAD -2 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
1128. YRANGE 15.9 15.9 FLOAD -2 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
1129. YRANGE 15.9 15.9 FLOAD -2 XRANGE 15.66 19.81  ZRANGE 3.87 8.68  GY
1130. YRANGE 15.9 15.9 FLOAD -2 XRANGE 12.8 15.66  ZRANGE 4.84 8.68  GY
1131. YRANGE 15.9 15.9 FLOAD -2 XRANGE 9.33 12.8  ZRANGE 4.84 8.68  GY
1132. YRANGE 15.9 15.9 FLOAD -2 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
1133. YRANGE 15.9 15.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 4.84 6.57  GY
1134. YRANGE 15.9 15.9 FLOAD -2 XRANGE 3.89 5.52  ZRANGE 6.57 9.27  GY
1135. YRANGE 15.9 15.9 FLOAD -2 XRANGE 9.89 11.54  ZRANGE 0 3.07  GY
1136. ONEWAY LOAD
1137. YRANGE 15.9 15.9 ONE -2 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
1138. YRANGE 15.9 15.9 ONE -2 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
1139. YRANGE 15.9 15.9 ONE -2 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
1140. YRANGE 15.9 15.9 ONE -2 XRANGE 9.33 12.8  ZRANGE 8.68 10.24  GY
1141. YRANGE 15.9 15.9 ONE -2 XRANGE 12.8 15.66  ZRANGE 8.68 10.24  GY
1142. YRANGE 15.9 15.9 ONE -2 XRANGE 15.66 19.81  ZRANGE 8.68 10.24  GY
1143. *****
1144. FLOOR LOAD
1145. YRANGE 18.9 18.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 0 4.84  GY
1146. YRANGE 18.9 18.9 FLOAD -2 XRANGE 0 3.89  ZRANGE 4.84 10.33  GY
1147. YRANGE 18.9 18.9 FLOAD -2 XRANGE 11.54 15.66  ZRANGE 0 4.84  GY
1148. YRANGE 18.9 18.9 FLOAD -2 XRANGE 15.66 18.71  ZRANGE 1.36 3.87  GY
1149. YRANGE 18.9 18.9 FLOAD -2 XRANGE 18.71 22.78  ZRANGE 0.71 3.87  GY
1150. YRANGE 18.9 18.9 FLOAD -2 XRANGE 22.78 28.42  ZRANGE 0.6 3.87  GY
1151. YRANGE 18.9 18.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 0.75 3.54  GY
1152. YRANGE 18.9 18.9 FLOAD -2 XRANGE 32.4 36.51  ZRANGE 0.75 3.54  GY
1153. YRANGE 18.9 18.9 FLOAD -2 XRANGE 36.51 39.03  ZRANGE 0.75 3.54  GY
1154. YRANGE 18.9 18.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 0.75 4.23  GY
1155. YRANGE 18.9 18.9 FLOAD -2 XRANGE 39.03 42.34  ZRANGE 4.23 6.82  GY
1156. YRANGE 18.9 18.9 FLOAD -2 XRANGE 36.51 42.34  ZRANGE 6.82 10.29  GY
1157. YRANGE 18.9 18.9 FLOAD -2 XRANGE 30.38 34.87  ZRANGE 6.82 10.29  GY
1158. YRANGE 18.9 18.9 FLOAD -2 XRANGE 30.38 32.4  ZRANGE 3.54 6.82  GY
1159. YRANGE 18.9 18.9 FLOAD -2 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
1160. YRANGE 18.9 18.9 FLOAD -2 XRANGE 19.81 23.85  ZRANGE 7.08 10.24  GY
1161. YRANGE 18.9 18.9 FLOAD -2 XRANGE 19.81 25.22  ZRANGE 3.87 7.08  GY
1162. YRANGE 18.9 18.9 FLOAD -2 XRANGE 12.8 15.66  ZRANGE 4.84 10.24  GY
1163. YRANGE 18.9 18.9 FLOAD -2 XRANGE 9.33 12.8  ZRANGE 4.84 10.24  GY
1164. YRANGE 18.9 18.9 FLOAD -2 XRANGE 5.52 9.33  ZRANGE 4.84 10.24  GY
1165. YRANGE 18.9 18.9 FLOAD -2 XRANGE 34.87 36.51  ZRANGE 6.82 9.45  GY
1166. ONEWAY LOAD
```

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

```
1167. YRANGE 18.9 18.9 ONE -2 XRANGE 3.89 5.37  ZRANGE 0.95 4.84  GY
1168. YRANGE 18.9 18.9 ONE -2 XRANGE 3.89 5.52  ZRANGE 4.84 9.27  GY
1169. YRANGE 18.9 18.9 ONE -2 XRANGE 9.89 11.54  ZRANGE 0 4.84  GY
1170. YRANGE 18.9 18.9 ONE -2 XRANGE 25.22 27.89  ZRANGE 3.87 10.24  GY
1171. YRANGE 18.9 18.9 ONE -2 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
1172. YRANGE 18.9 18.9 ONE -2 XRANGE 32.4 39.03  ZRANGE 3.54 6.82  GY
1173. YRANGE 18.9 18.9 ONE -2 XRANGE 23.85 25.22  ZRANGE 7.08 10.24  GY
1174. FLOOR LOAD
1175. YRANGE 22.56 22.56 FLOAD -5 XRANGE 7.94 9.89  ZRANGE 1.19 3.07  GY
1176. YRANGE 21.34 21.34 FLOAD -1.5 XRANGE 5.37 7.94  ZRANGE 0 3.07  GY
1177. ONEWAY LOAD
1178. YRANGE 21.34 21.34 ONE -1.5 XRANGE 5.37 9.89  ZRANGE 3.07 4.84  GY
1179. FLOOR LOAD
1180. YRANGE 22.56 22.56 FLOAD -5 XRANGE 28.42 30.38  ZRANGE 1.36 3.32  GY
1181. YRANGE 21.34 21.34 FLOAD -1.5 XRANGE 27.89 30.38  ZRANGE 3.32 5.47  GY
1182. YRANGE 21.34 21.34 FLOAD -1.5 XRANGE 27.89 30.38  ZRANGE 5.47 10.04  GY
1183. YRANGE 21.34 21.34 FLOAD -0.75 XRANGE 24.54 27.89  ZRANGE 3.87 10.01  GY
1184. YRANGE 19.81 19.81 FLOAD -9.066 XRANGE 24.54 27.89  ZRANGE 5.47 7.61  GY
1185. YRANGE 19.81 19.81 FLOAD -11.504 XRANGE 24.54 27.89  ZRANGE 7.61 10.01  GY
1186. ONEWAY LOAD
1187. _SUNK1 ONE -2 GY
1188. *****
1189. LOAD COMB 101 1.0(WDL+SDL+LL)
1190. 1 1.0 2 1.0 3 1.0
1191. LOAD COMB 201 1.5(WDL+SDL+LL)
1192. 1 1.5 2 1.5 3 1.5
1193. PERFORM ANALYSIS
```

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

NUMBER OF JOINTS	854	NUMBER OF MEMBERS	1442
NUMBER OF PLATES	0	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	42

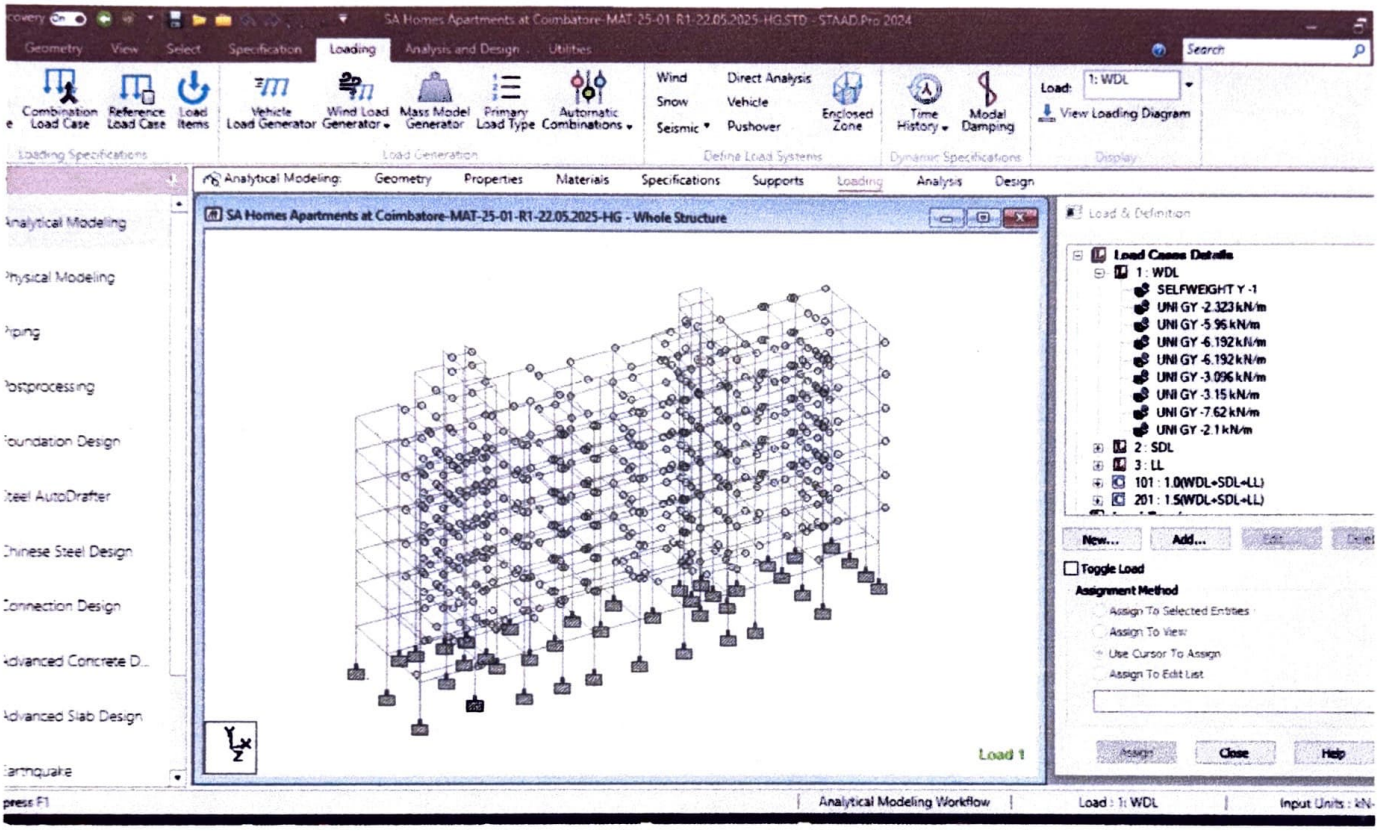
Using 64-bit analysis engine.

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY

FRAMING CONFIGURATION



S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consulta
41, BR Nagar, 3rd Street, Kothari layo
Ramanathapuram, Coimbatore - 64
E: skarun@kaarvens.com W: www.karver
M: +91-9894215019, O: +91-82700

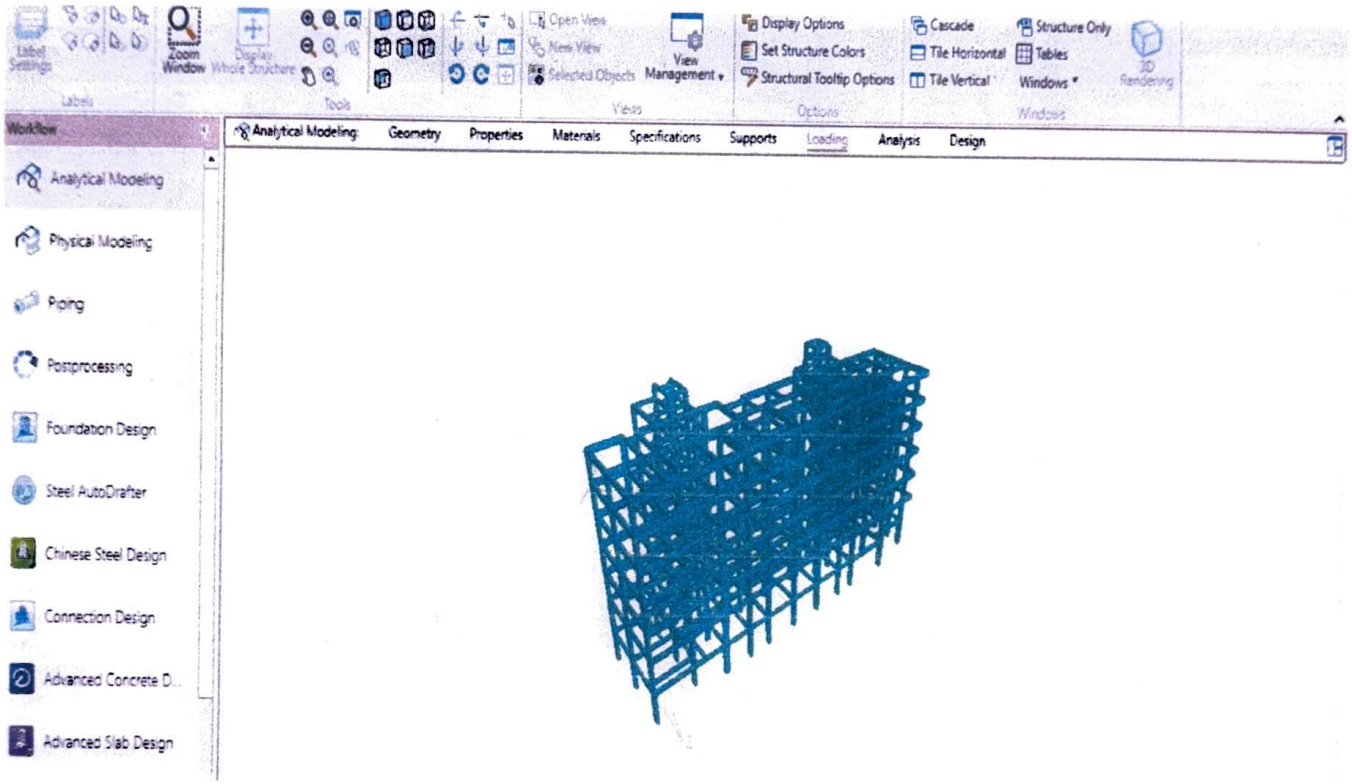


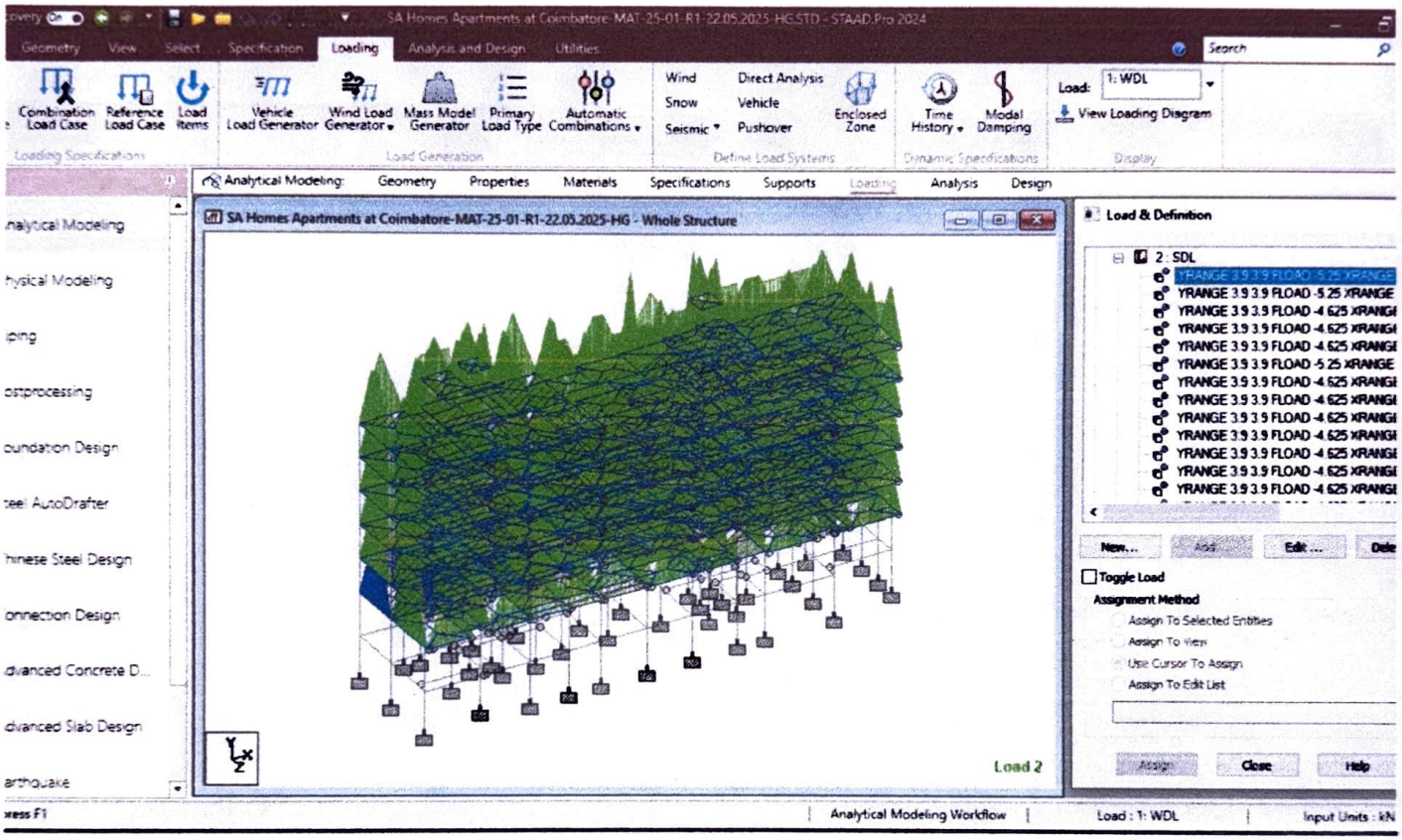
FIG 8.1(a)-Typical 3D View

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY

LOADING INPUTS IN STAAD MODEL



FLOOR LOAD

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY



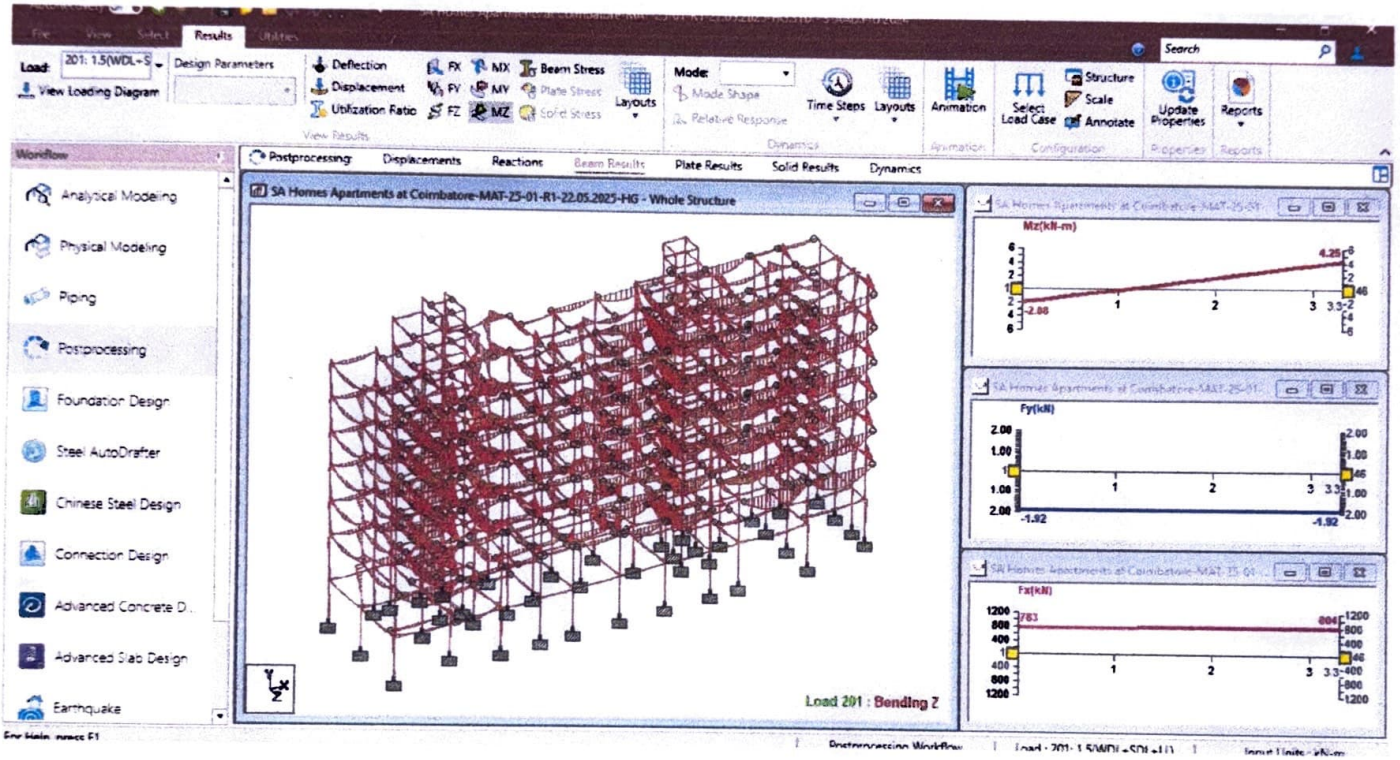
WALL LOAD

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY

OUTPUT FORCES IN STAAD MODEL

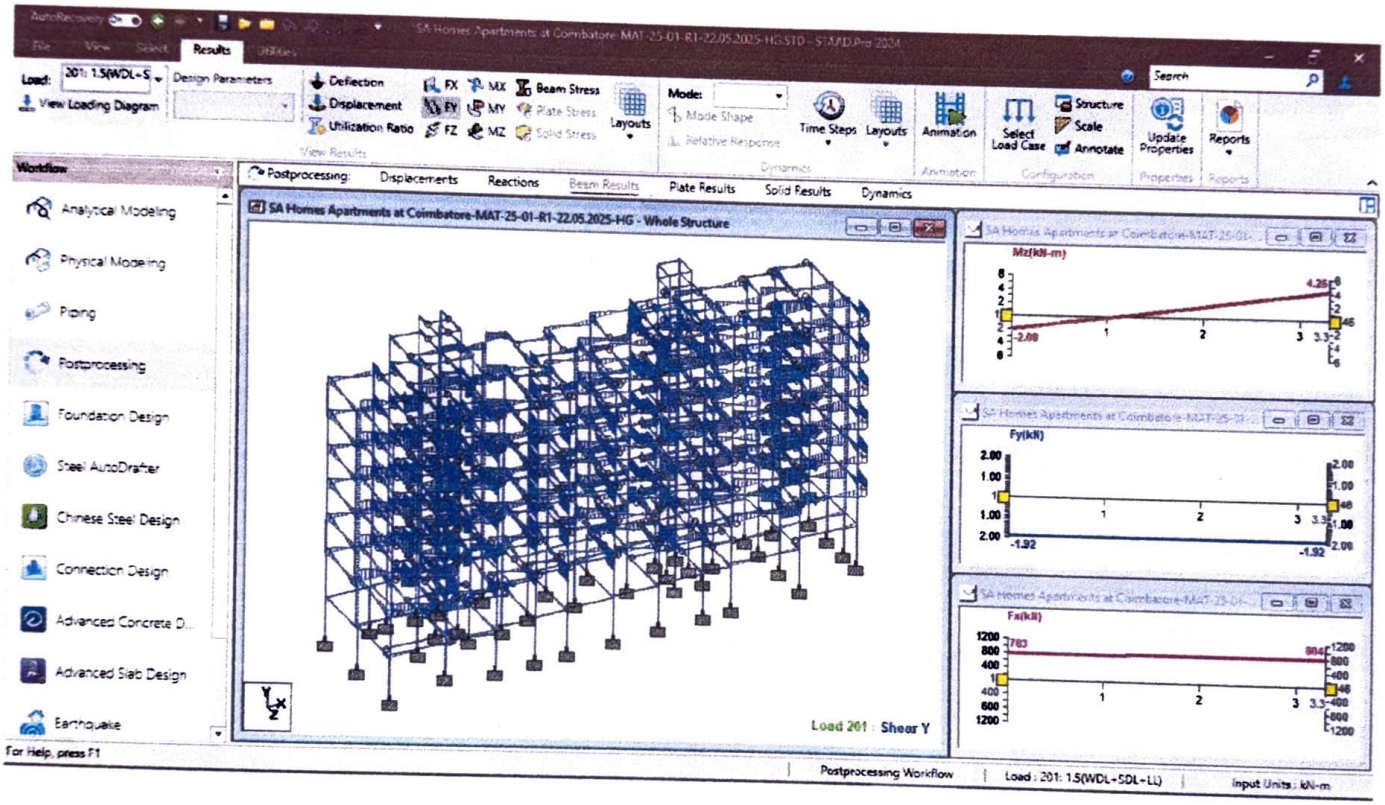


Bending Moment Diagram

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY

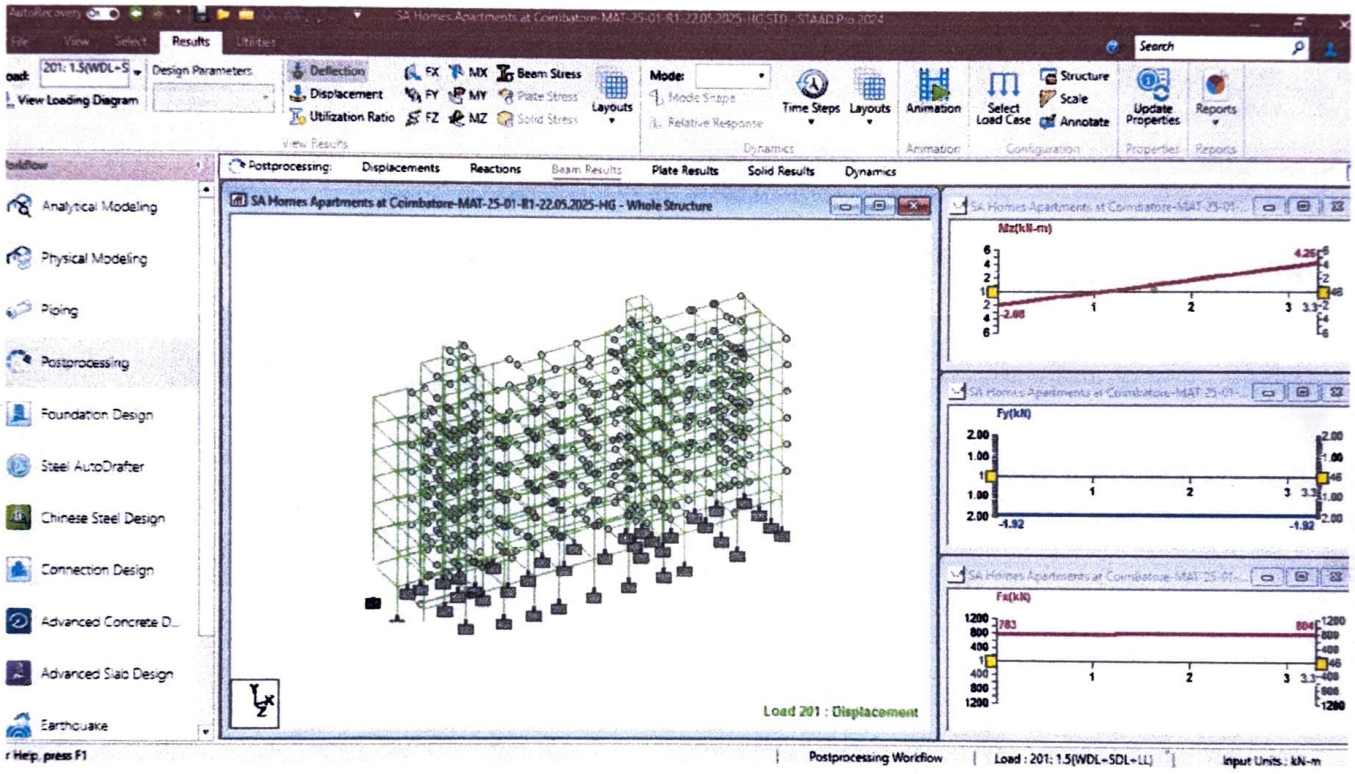


Shear Force Diagram

S. K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

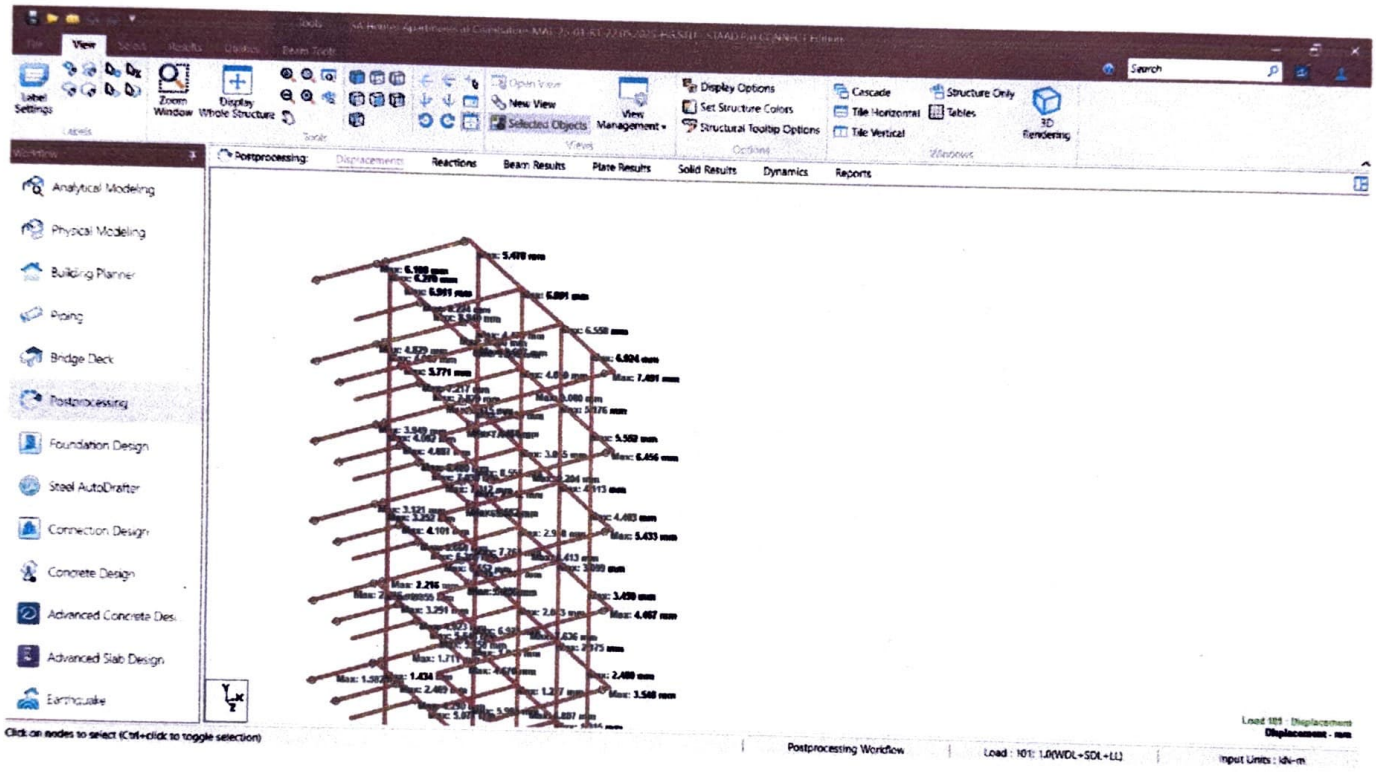
KAARVENS
STRUCTURAL CONSULTANCY



Deflection

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019

KAARVENS
STRUCTURAL CONSULTANCY



Displacement

S.K. Arun Kamaraj

Er.S.K.Arun Kamaraj M.E.(Struct.),MBA.,MIE.,
Chartered Structural Engineer,
Reg: Coimbatore LPA/SE/GR-I/034/2024
KAARVENS Structural Consultancy,
41, BR Nagar, 3rd Street, Kothari layout,
Ramanathapuram, Coimbatore - 641005.
E: skarun@kaarvens.com W: www.karvens.com
M: +91-9894215019, O: +91-8270005019



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