

V.JAGEN

B.E., M.E., (Struct.) M.I.E., A.I.V., M.B.A.
CHARTERED ENGINEER, CONSULTANT
CIVIL & STRUCTURAL, APPROVED VALUER.
CMDA REGN NOS: SE / GR - 1 / 19 / 03 / 24, QA / 19 / 04 / 21.
CORPORATION OF CHENNAI, REGN NO: RSE100172019.

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

27/11/2025

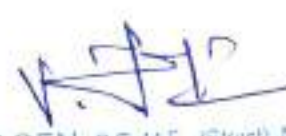
CERTIFICATE

IT IS CERTIFIED THAT THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT -18.30 M) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO.12, OLD DOOR NO.52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI GANESAN SALAI AND ALSO ABUTTING ARCOT STREET, ARCOT CROSS STREET, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD S.NOS.120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S.NO.6468 AND T.S.NO.6469 AS PER PATTA, BLOCK NO.140, THIYAGARAYA NAGAR VILLAGE, GUINDY TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE - IX, DIVISION -117, IS DESIGNED TO RESIST EARTHQUAKE.CHECK HAS BEEN MADE AND FOUND SAFE AND I HEREBY CERTIFY THAT,

The minimum grade of concrete is M25.

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

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


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Mobile: 9841269154

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THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT - 18.30 M) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO.12, OLD DOOR NO.52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI GANESAN SALAI AND ALSO ABUTTING ARCOT STREET, ARCOT CROSS STREET, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD S.NOS.120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S.NO.6468 AND T.S.NO.6469 AS PER PATTI, BLOCK NO.140, THIYAGARAYA NAGAR VILLAGE, GUINDY TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE - IX, DIVISION -117.

GENERAL NOTE ON STRUCTURAL DESIGN.

1.0 GENERAL.

1.1 DESIGN BASIS

Residential Building having Stilt + 5 Floors.

The design of this building is carried out based on frame analysis using STAAD PRO 2025.

1.2 CODES AND STANDARDS

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

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

2.0 BASIC CIVIL DESIGN LOADS

2.1 DEAD LOADS & LIVE LOADS

Typical slab dead load is calculated as follows

Residential Building

Self weight of slab	=	3.0kN/m ²
Floor finish	=	2.0kN/m ²
Live load	=	2.0kN/m ²

		<u>7.0kN/m²</u>


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3.0 SOIL DETAILS

Based on Soil Test Report Pile Foundation is adopted.

4.0 DESIGN METHODS

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

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

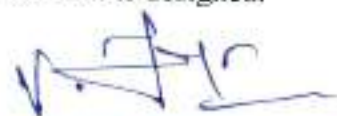
4.1

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

4.2.1 MINIMUM COVER

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

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



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PAGE NO. 1

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*                               *
*      STAAD.PRO 2025           *
*      Version 25.00.00.539     *
*      Proprietary Program of   *
*      Bentley Systems, Inc.    *
*      Date= NOV 26, 2025       *
*      Time= 10:25:18           *
*                               *
*      Licensed to: Ramaniyam Real Estates Pvt Ltd *
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1. STAAD SPACE

INPUT FILE: F:\Ramaniyam\Ramaniyam stadd\RRR STAAD 2025\Sabari\Sabari Final.STD

2. START JOB INFORMATION

3. ENGINEER DATE 10-SEP-25

4. *PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS

5. *(HEIGHT - 18.30M) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS WITH TGD

6. *BENEFIT AT NEW DOOR NO.12, OLD DOOR NO.52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI

7. *GANESAN SALAI, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD

8. *S.NOS.120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S.NO.6468 AND

9. *T.S.NO.6469 AS PER PATTI, BLOCK NO.140, THIYAGARAYA NAGAR VILLAGE, GUINDY

10. *TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE-IX, DIVISION-117.

11. END JOB INFORMATION

12. INPUT WIDTH 79

13. UNIT METER KN

14. JOINT COORDINATES

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15. 1 0.245 0 0; 2 4.97 0 0; 3 -10.37 0 1.41; 4 -5.275 0 1.41; 5 -13.925 0 1.715
16. 6 -38.855 0 2.86; 7 -33.275 0 2.86; 8 -28.045 0 2.86; 9 -22.745 0 2.86
17. 10 -19.225 0 2.86; 11 -42.455 0 3.16; 12 -10.37 0 3.42; 13 -5.275 0 3.42
18. 14 -1.515 0 3.42; 15 4.97 0 3.42; 16 -13.925 0 4.96; 17 -33.275 0 5.315
19. 18 -42.455 0 6.915; 19 -38.855 0 6.915; 20 -28.045 0 6.915; 21 -19.225 0 6.915
20. 22 -15.335 0 6.845; 23 -13.055 0 6.845; 24 -24.51 0 7.455; 25 0.245 0 7.455
21. 26 2.57 0 7.455; 27 -34.965 0 7.835; 28 -32.685 0 7.835; 29 -1.515 0 7.945
22. 30 -22.745 0 9.525; 31 -15.335 0 9.525; 32 -13.055 0 9.525; 33 -9.245 0 9.525
23. 34 -5.275 0 9.525; 35 -19.225 0 10.11; 36 -28.045 0 10.24; 37 -24.51 0 10.24
24. 38 -41.125 0 10.515; 39 -38.855 0 10.515; 40 -34.965 0 10.515
25. 41 -32.685 0 10.515; 42 -12.655 0 11.53; 43 1.9 0 11.49; 44 -31.935 0 12.52
26. 45 -38.855 0 13.815; 46 -28.045 0 14.075; 47 -24.51 0 14.075
27. 48 -19.225 0 14.075; 49 -9.245 0 14.075; 50 -5.275 0 14.075
28. 51 -1.515 0 14.075; 52 1.9 0 15.165; 53 -15.335 0 15.895; 54 -12.655 0 15.895
29. 55 -34.965 0 16.415; 56 -31.935 0 16.415; 57 -40.735 0 16.615
30. 58 -38.855 0 16.615; 59 0.245 1 0; 60 4.97 1 0; 61 -10.37 1 1.41
31. 62 -5.275 1 1.41; 63 -13.925 1 1.715; 64 -38.855 1 2.86; 65 -33.275 1 2.86
32. 66 -28.045 1 2.86; 67 -22.745 1 2.86; 68 -19.225 1 2.86; 69 -42.455 1 3.16
33. 70 -10.37 1 3.42; 71 -5.275 1 3.42; 72 -1.515 1 3.42; 73 4.97 1 3.42
34. 74 -13.925 1 4.96; 75 -33.275 1 5.315; 76 -42.455 1 6.915; 77 -38.855 1 6.915
35. 78 -28.045 1 6.915; 79 -19.225 1 6.915; 80 -15.335 1 6.845; 81 -13.055 1 6.845
36. 82 -24.51 1 7.455; 83 0.245 1 7.455; 84 2.57 1 7.455; 85 -34.965 1 7.835
37. 86 -32.685 1 7.835; 87 -1.515 1 7.945; 88 -22.745 1 9.525; 89 -15.335 1 9.525
38. 90 -13.055 1 9.525; 91 -9.245 1 9.525; 92 -5.275 1 9.525; 93 -19.225 1 10.11

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STAAD SPACE

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39. 94 -28.045 1 10.24; 95 -24.51 1 10.24; 96 -41.125 1 10.515
 40. 97 -38.855 1 10.515; 98 -34.965 1 10.515; 99 -32.685 1 10.515
 41. 100 -12.655 1 11.53; 101 1.9 1 11.49; 102 -31.935 1 12.52
 42. 103 -38.855 1 13.815; 104 -28.045 1 14.075; 105 -24.51 1 14.075
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 49. 125 -22.745 4.1 2.86; 126 -19.225 4.1 2.86; 127 -42.455 4.1 3.16
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 52. 134 -42.455 4.1 6.915; 135 -38.855 4.1 6.915; 136 -28.045 4.1 6.915
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 93. 257 -17.465 4.1 4.035; 258 -15.335 4.1 4.96; 259 -13.055 4.1 4.96
 94. 260 -12.655 4.1 9.525; 261 -9.245 4.1 11.53; 262 -9.245 4.1 15.64

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95. 263 -12.655 4.1 15.64; 264 -9.245 4.1 3.42; 265 -10.37 4.1 -0.335
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 148. 425 -29.805 7.2 4.035; 426 -28.045 7.2 4.035; 427 -28.045 7.2 16.075
 149. 428 -31.935 7.2 15.68; 429 -28.045 7.2 15.68; 430 -31.935 7.2 13.85
 150. 431 -28.045 7.2 13.85; 432 -32.685 7.2 9.63; 433 -31.935 7.2 9.63



V. JAGEN, B.E.M.E. (Struct), M.I.E., A.I.V.
 CMDAREGN NOS-
 SE/GR-1/2019/03/024, QA/2019/04/021
 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119.
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STAAD SPACE

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151. 434 -24.51 7.2 16.075; 435 -22.745 7.2 1.485; 436 -24.51 7.2 1.485
 152. 437 -28.045 7.2 12.065; 438 -24.51 7.2 12.065; 439 -27.065 7.2 12.065
 153. 440 -27.065 7.2 10.24; 441 -24.51 7.2 6.915; 442 -24.51 7.2 5.315
 154. 443 -26.99 7.2 6.915; 444 -26.99 7.2 5.315; 445 -24.51 7.2 3.235
 155. 446 -22.745 7.2 3.235; 447 -23.715 7.2 3.235; 448 -23.715 7.2 1.485
 156. 449 -19.225 7.2 16.075; 450 -19.225 7.2 1.485; 451 -22.745 7.2 16.075
 157. 452 -22.745 7.2 14.075; 453 -22.745 7.2 11.71; 454 -19.225 7.2 11.71
 158. 455 -22.745 7.2 10.11; 456 -20.2 7.2 11.71; 457 -20.2 7.2 10.11
 159. 458 -22.745 7.2 6.56; 459 -19.225 7.2 6.56; 460 -22.745 7.2 4.96
 160. 461 -19.225 7.2 4.96; 462 -20.28 7.2 6.56; 463 -20.28 7.2 4.96
 161. 464 -21.535 7.2 4.96; 465 -21.535 7.2 1.485; 466 -19.225 7.2 1.14
 162. 467 -15.335 7.2 15.675; 468 -19.225 7.2 15.675; 469 -19.225 7.2 13.845
 163. 470 -15.335 7.2 13.845; 471 -13.925 7.2 1.13; 472 -17.465 7.2 4.96
 164. 473 -17.4722 7.2 1.13669; 474 -19.225 7.2 4.035; 475 -17.465 7.2 4.035
 165. 476 -15.335 7.2 4.96; 477 -13.055 7.2 4.96; 478 -12.655 7.2 9.525
 166. 479 -9.245 7.2 11.53; 480 -9.245 7.2 15.64; 481 -12.655 7.2 15.64
 167. 482 -9.245 7.2 3.42; 483 -10.37 7.2 -0.335; 484 -10.37 7.2 1.13
 168. 485 -5.275 7.2 -0.335; 486 -6.885 7.2 3.42; 487 -6.885 7.2 -0.335
 169. 488 -6.885 7.2 1.91; 489 -5.275 7.2 1.91; 490 -5.275 7.2 15.64
 170. 491 -9.245 7.2 13.18; 492 -5.275 7.2 13.18; 493 -7.565 7.2 15.64
 171. 494 -7.565 7.2 13.18; 495 -9.245 7.2 7.835; 496 -5.275 7.2 7.835
 172. 497 -5.275 7.2 15.46; 498 -5.275 7.2 11.645; 499 -1.515 7.2 11.645
 173. 500 -5.275 7.2 8.745; 501 -1.515 7.2 8.745; 502 -5.275 7.2 6.565
 174. 503 -1.515 7.2 6.565; 504 -2.685 7.2 6.565; 505 -2.685 7.2 3.42
 175. 506 -2.685 7.2 11.645; 507 -2.685 7.2 8.745; 508 -5.275 7.2 1.19209E-07
 176. 509 -1.515 7.2 3.42374E-08; 510 -1.515 7.2 15.46; 511 -1.515 7.2 15.165
 177. 512 0.08000002 7.2 3.42; 513 0.08000003 7.2 15.165; 514 0.245 7.2 15.165
 178. 515 0.245 7.2 3.42; 516 0.245 7.2 -1.22; 517 -2.755 7.2 6.226E-08
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 185. 537 0.245 7.2 4.455; 538 -1.515 7.2 10.205; 539 0.245 7.2 10.205
 186. 540 -1.515 7.2 12.9; 541 0.245 7.2 12.9; 542 -13.055 7.2 6.36
 187. 543 -9.245 7.2 6.36; 544 -13.055 7.2 5.52; 545 -11.555 7.2 6.36
 188. 546 -11.555 7.2 5.52; 547 -34.965 7.2 12.185; 548 -31.935 7.2 12.185
 189. 549 -15.335 7.2 11.665; 550 -12.655 7.2 11.665; 551 -34.965 7.2 13.815
 190. 552 0.245 10.3 0; 553 4.97 10.3 0; 554 -10.37 10.3 1.41; 555 -5.275 10.3 1.41
 191. 556 -13.925 10.3 1.715; 557 -38.855 10.3 2.86; 558 -33.275 10.3 2.86
 192. 559 -28.045 10.3 2.86; 560 -22.745 10.3 2.86; 561 -19.225 10.3 2.86
 193. 562 -42.455 10.3 3.16; 563 -10.37 10.3 3.42; 564 -5.275 10.3 3.42
 194. 565 -1.515 10.3 3.42; 566 4.97 10.3 3.42; 567 -13.925 10.3 4.96
 195. 568 -33.275 10.3 5.315; 569 -42.455 10.3 6.915; 570 -38.855 10.3 6.915
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 197. 574 -13.055 10.3 6.845; 575 -24.51 10.3 7.455; 576 0.245 10.3 7.455
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 199. 580 -1.515 10.3 7.945; 581 -22.745 10.3 9.525; 582 -15.335 10.3 9.525
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 203. 592 -32.685 10.3 10.515; 593 -12.655 10.3 11.53; 594 1.9 10.3 11.49
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 205. 598 -24.51 10.3 14.075; 599 -19.225 10.3 14.075; 600 -9.245 10.3 14.075
 206. 601 -5.275 10.3 14.075; 602 -1.515 10.3 14.075; 603 1.9 10.3 15.165


 V. JAGEN, B.E.M.E., (Struct), M.I.E.A.I.V.
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 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
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STAAD SPACE

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207. 604 -15.335 10.3 15.895; 605 -12.655 10.3 15.895; 606 -34.965 10.3 16.415
 208. 607 -31.935 10.3 16.415; 608 -40.735 10.3 16.615; 609 -38.855 10.3 16.615
 209. 610 -42.455 10.3 1.795; 611 -42.455 10.3 10.515; 612 -42.455 10.3 16.615
 210. 613 -38.855 10.3 1.485; 614 -38.855 10.3 1.795; 615 -42.455 10.3 5.315
 211. 616 -38.855 10.3 5.315; 617 -41.235 10.3 5.315; 618 -41.235 10.3 1.795
 212. 619 -39.905 10.3 6.915; 620 -39.905 10.3 5.315; 621 -42.455 10.3 12.095
 213. 622 -38.855 10.3 12.095; 623 -39.905 10.3 12.095; 624 -39.905 10.3 10.515
 214. 625 -34.965 10.3 5.315; 626 -33.275 10.3 1.485; 627 -38.855 10.3 15.675
 215. 628 -34.965 10.3 15.675; 629 -37.095 10.3 5.315; 630 -37.095 10.3 1.485
 216. 631 -38.855 10.3 4.035; 632 -37.095 10.3 4.035; 633 -28.045 10.3 5.315
 217. 634 -31.935 10.3 5.315; 635 -31.935 10.3 10.515; 636 -31.935 10.3 7.835
 218. 637 -28.045 10.3 1.485; 638 -31.975 10.3 5.315; 639 -31.975 10.3 1.485
 219. 640 -29.805 10.3 5.315; 641 -29.805 10.3 1.485; 642 -29.805 10.3 4.035
 220. 643 -28.045 10.3 4.035; 644 -28.045 10.3 16.075; 645 -31.935 10.3 15.68
 221. 646 -28.045 10.3 15.68; 647 -31.935 10.3 13.85; 648 -28.045 10.3 13.85
 222. 649 -32.685 10.3 9.63; 650 -31.935 10.3 9.63; 651 -24.51 10.3 16.075
 223. 652 -22.745 10.3 1.485; 653 -24.51 10.3 1.485; 654 -28.045 10.3 12.065
 224. 655 -24.51 10.3 12.065; 656 -27.065 10.3 12.065; 657 -27.065 10.3 10.24
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 231. 676 -19.225 10.3 6.56; 677 -22.745 10.3 4.96; 678 -19.225 10.3 4.96
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 237. 694 -13.055 10.3 4.96; 695 -12.655 10.3 9.525; 696 -9.245 10.3 11.53
 238. 697 -9.245 10.3 15.64; 698 -12.655 10.3 15.64; 699 -9.245 10.3 3.42
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 243. 712 -9.245 10.3 7.835; 713 -5.275 10.3 7.835; 714 -5.275 10.3 15.46
 244. 715 -5.275 10.3 11.645; 716 -1.515 10.3 11.645; 717 -5.275 10.3 8.745
 245. 718 -1.515 10.3 8.745; 719 -5.275 10.3 6.565; 720 -1.515 10.3 6.565
 246. 721 -2.685 10.3 6.565; 722 -2.685 10.3 3.42; 723 -2.685 10.3 11.645
 247. 724 -2.685 10.3 8.745; 725 -5.275 10.3 1.19209E-07
 248. 726 -1.515 10.3 3.42374E-08; 727 -1.515 10.3 15.46; 728 -1.515 10.3 15.165
 249. 729 0.00000002 10.3 3.42; 730 0.00000003 10.3 15.165; 731 0.245 10.3 15.165
 250. 732 0.245 10.3 3.42; 733 0.245 10.3 -1.22; 734 -2.755 10.3 6.226E-08
 251. 735 -2.755 10.3 -1.22; 736 3.35 10.3 15.165; 737 0.245 10.3 11.49
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 253. 741 2.005 10.3 3.42; 742 2.005 10.3 -0.785; 743 0.245 10.3 1.825
 254. 744 2.005 10.3 1.825; 745 4.39 10.3 7.455; 746 4.39 10.3 3.42
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 260. 762 -11.555 10.3 6.36; 763 -11.555 10.3 5.52; 764 -34.965 10.3 12.185
 261. 765 -31.935 10.3 12.185; 766 -15.335 10.3 11.665; 767 -12.655 10.3 11.665
 262. 768 -34.965 10.3 13.815; 769 0.245 13.4 0; 770 4.97 13.4 0



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 CMDA REGN NOS-
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STAAD SPACE

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263. 771 -10.37 13.4 1.41; 772 -5.275 13.4 1.41; 773 -13.925 13.4 1.715
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 266. 780 -10.37 13.4 3.42; 781 -5.275 13.4 3.42; 782 -1.515 13.4 3.42
 267. 783 4.97 13.4 3.42; 784 -13.925 13.4 4.96; 785 -33.275 13.4 5.315
 268. 786 -42.455 13.4 6.915; 787 -38.855 13.4 6.915; 788 -28.045 13.4 6.915
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 270. 792 -24.51 13.4 7.455; 793 0.245 13.4 7.455; 794 2.57 13.4 7.455
 271. 795 -34.965 13.4 7.835; 796 -32.685 13.4 7.835; 797 -1.515 13.4 7.945
 272. 798 -22.745 13.4 9.525; 799 -15.335 13.4 9.525; 800 -13.055 13.4 9.525
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 274. 804 -28.045 13.4 10.24; 805 -24.51 13.4 10.24; 806 -41.125 13.4 10.515
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 308. 906 -17.465 13.4 4.96; 907 -17.472 13.4 1.13669; 908 -19.225 13.4 4.035
 309. 909 -17.465 13.4 4.035; 910 -15.335 13.4 4.96; 911 -13.055 13.4 4.96
 310. 912 -12.655 13.4 9.525; 913 -9.245 13.4 11.53; 914 -9.245 13.4 15.64
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 318. 936 -5.275 13.4 6.565; 937 -1.515 13.4 6.565; 938 -2.685 13.4 6.565


 V. JAGEN, B.E., M.E., (Struct), M.I.E., A.I.V.,
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STAAD SPACE

-- PAGE NO. B

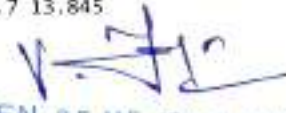
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 377. 1113 -20.28 16.5 6.56; 1114 -20.28 16.5 4.96; 1115 -21.535 16.5 4.96
 378. 1116 -21.535 16.5 1.485; 1117 -19.225 16.5 1.14; 1118 -15.335 16.5 15.675
 379. 1119 -19.225 16.5 15.675; 1120 -19.225 16.5 13.845; 1121 -15.335 16.5 13.845
 380. 1122 -13.925 16.5 1.13; 1123 -17.465 16.5 4.96; 1124 -17.4722 16.5 1.13669
 381. 1125 -19.225 16.5 4.035; 1126 -17.465 16.5 4.035; 1127 -15.335 16.5 4.96
 382. 1128 -13.055 16.5 4.96; 1129 -12.655 16.5 9.525; 1130 -9.245 16.5 11.53
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 384. 1134 -10.37 16.5 -0.335; 1135 -10.37 16.5 1.13; 1136 -5.275 16.5 -0.335
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 392. 1158 -2.685 16.5 8.745; 1159 -5.275 16.5 1.19209E-07
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 403. 1190 0.245 16.5 10.205; 1191 -1.515 16.5 12.9; 1192 0.245 16.5 12.9
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 410. 1211 -22.745 19.6 2.86; 1212 -19.225 19.6 2.86; 1213 -42.455 19.6 3.16
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 415. 1226 -24.51 19.6 7.455; 1227 0.245 19.6 7.455; 1228 2.57 19.6 7.455
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 419. 1238 -28.045 19.6 10.24; 1239 -24.51 19.6 10.24; 1240 -41.125 19.6 10.515
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 421. 1244 -12.655 19.6 11.53; 1245 1.9 19.6 11.49; 1246 -31.935 19.6 12.52
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 424. 1253 -1.515 19.6 14.075; 1254 1.9 19.6 15.165; 1255 -15.335 19.6 15.895
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 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVY - 2
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431. 1274 -39.905 19.6 12.095; 1275 -39.905 19.6 10.515; 1276 -34.965 19.6 5.315
 432. 1277 -33.275 19.6 1.485; 1278 -38.855 19.6 15.675; 1279 -34.965 19.6 15.675
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 486. 1438 -32.685 22.7 9.63; 1439 -15.335 22.7 15.675; 1440 -15.335 22.7 13.845


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487. 1441 -12.655 22.7 9.525; 1442 -12.655 22.7 15.64; 1443 -34.965 22.7 12.185
 488. 1444 -31.935 22.7 12.185; 1445 -15.335 22.7 11.665; 1446 -12.655 22.7 11.665
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 503. 1494 -22.745 1 1.485; 1495 -24.51 1 1.485; 1496 -28.045 1 12.065
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 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
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 Mobile: 9841269154

STAAD SPACE

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543. 1630 -34.965 4.4875 7.835; 1631 -34.965 4.875 7.835; 1632 -34.965 5.2625 7.835
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599. 1755 -34.965 19.6 9.62167; 1756 -34.965 19.6 9.175; 1757 -34.965 19.6 8.72833
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655. 1870 -34.965 18.4387 8.72236; 1871 -34.965 8.499881 9.17387
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711. 1982 -34.965 4.49294 8.2884; 1983 -34.965 3.78592 10.0782
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 802. 2189 -33.4457 1.38604 7.835; 2190 -33.065 15.7258 7.835
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 822. 2229 -33.4344 0.744889 7.835; 2230 -33.8206 0.500233 7.835



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823. 2231 -34.284 16.8863 7.835; 2232 -34.2852 4.48589 7.835
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879. 2343 -34.5847 16.1133 7.835; 2344 -33.0651 15.3379 7.835
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935. 2466 -32.685 1 10.0725; 2467 -32.685 1 9.18125; 2468 -32.685 1 8.7325
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991. 2579 -32.685 17.2839 9.17796; 2580 -32.685 16.8992 8.73113
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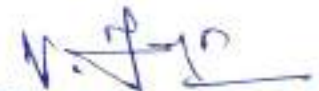


V. JAGEN, B.E. ME., (Struct), M.I.E.A.I.V.
 CMDA REGN NOS-
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 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119.
 Mobile: 9841269154

STAAD SPACE

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 V. JAGEN, B.E., M.E., (Struct), M.I.E., A.I.V.,
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 Mobile: 9841269154

STAAD SPACE

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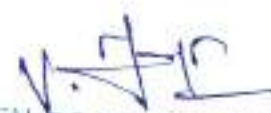


V. JAGEN, B.E./M.E. (Struct), M.I.E., A.I.V.,
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STAAD SPACE

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 1214. 3054 -15.335 9.13442 7.29077; 3055 -15.335 9.13357 9.08202


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1215. 3056 -15.335 21.5335 9.08017; 3057 -15.335 22.3003 8.18532
 1216. 3058 -15.335 16.1075 9.08274; 3059 -15.335 1.39296 9.08092
 1217. 3060 -15.335 10.6927 9.08011; 3061 -15.335 1.39815 8.18037
 1218. 3062 -15.335 0.74932 7.27412; 3063 -15.335 2.16553 7.28575
 1219. 3064 -15.335 3.70729 7.28719; 3065 -15.335 16.8927 7.28803
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 1221. 3068 -15.335 19.9926 7.28881; 3069 -15.335 19.208 7.28776
 1222. 3070 -15.335 17.6657 7.28583; 3071 -15.335 9.13127 8.18626
 1223. 3072 -15.335 16.1061 7.28931; 3073 -15.335 7.59091 9.0818
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 1225. 3076 -15.335 18.4347 9.07925; 3077 -15.335 18.4339 7.28538
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 1227. 3080 -15.335 12.2342 9.07918; 3081 -15.335 0.743182 9.08887
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 1233. 3092 -15.335 13.0074 9.07947; 3093 -15.335 13.7915 9.08137
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1271. 3170 -13.055 11.075 6.845; 3171 -13.055 10.6875 6.845
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 1323. 3296 -14.5743 17.662 6.845; 3297 -14.1938 17.2739 6.845
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1327. 3304 -13.8154 1.38625 6.845; 3305 -13.435 15.7258 6.845
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1383. 3416 -14.955 9.91325 6.845; 3417 -13.4354 1.38679 6.845
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 V. JAGEN, B.E. (Struct), M.E. A.I.V.,
 CMDA REGN NOS.
 SE / GR-17/2019/03/024, DA/2019/04/021
 CHARTERED ENGINEER & APPROVED VALUER
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 V. JAGEN, B.E., M.E. (Struct), M.I.E., A.I.V.,
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1495. 3660 -13.055 9.90097 7.73351; 3661 -13.055 9.89971 8.63406
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 CMDA REGD NOS-
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 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119.
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1551. 3772 -13.055 0.25523 9.09889; 3773 -13.055 17.6654 9.07734
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 CMDA REGN NOS:
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 V. JAGEN, B.E., M.E. (Struct), M.I.E., A.I.V.
 CMDA REGN NOS.
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 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
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V. JAGEN, B.E./M.E., (Struct), M.I.E.A.I.V.
 CMDA REGN NOS-
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V. JAGEN, B.E., M.E., (Struct), M.I.E., A.I.V.,
 CMDA REGD NOS-
 SE / GR-I / 2016/03/024, CA/2019/04/021
 CHARTERED ENGINEER & APPROVED VALUER
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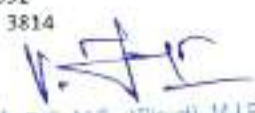
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V. JAGEN, B.E., M.E., (Struct), M.L.E., A.I.V.
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 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
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 V. JAGEN, B.E., M.E., (Struct), M.I.E., A.I.V.
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 3-B, RAMANIYAM GAURAVV - 2
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BLOCK-2, MODEL SCHOOL ROAD
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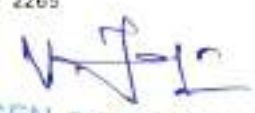
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2893. END GROUP DEFINITION
2894. ELEMENT PROPERTY

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2895. 2727 TO 3086 3179 TO 3538 3623 TO 3982 4127 TO 4486 4579 TO 4938 -
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 2935. 1088 TO 1090 1092 TO 1100 1102 1105 TO 1113 1122 1125 1129 1135 1138 1139 -
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 2950. 1812 PRIS YD 0.6 ZD 0.23


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 2952. 1814 PRIS YD 0.6 ZD 0.23
 2953. 1815 PRIS YD 0.6 ZD 0.23
 2954. 1816 PRIS YD 0.6 ZD 0.23
 2955. 1817 PRIS YD 0.6 ZD 0.23
 2956. 1818 1820 1823 TO 1831 1840 1843 1847 1853 1856 1857 1859 1860 1919 TO 1925 -
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 2958. 1966 TO 1968 1970 1972 1975 1983 1984 1986 1989 1992 1994 TO 1999 2004 2006 -
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 2962. 2133 TO 2135 2137 2138 2140 2149 TO 2155 2157 2158 2160 TO 2162 -
 2963. 2165 TO 2167 2169 TO 2177 2179 2182 TO 2190 2199 2202 2206 2212 2215 2216 -
 2964. 2218 2219 2234 2237 2241 2244 2245 2247 2251 2254 2255 2258 2259 2262 2263 -
 2965. 2265 2267 2268 2270 TO 2287 2290 2292 2295 2296 2299 2301 2303 TO 2309 2312 -
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 2971. 2545 TO 2548 2550 2551 2553 2556 TO 2582 PRIS YD 0.6 ZD 0.23
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 2974. 221 TO 224 226 230 231 233 241 244 246 TO 249 252 255 TO 259 261 266 268 -
 2975. 275 276 280 282 284 TO 290 293 307 314 315 317 322 324 325 328 332 337 340 -
 2976. 342 TO 349 360 363 367 368 372 383 385 386 396 TO 403 405 406 408 TO 410 -
 2977. 412 TO 416 418 419 422 490 493 495 501 502 504 TO 507 509 TO 511 513 516 -
 2978. 517 TO 518 520 522 528 533 535 537 538 540 TO 546 549 551 552 554 555 557 -
 2979. 564 566 567 569 579 TO 583 585 587 TO 590 592 596 597 599 607 610 -
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 3002. 1805 1809 1819 1821 1822 1832 TO 1839 1841 1842 1844 TO 1846 1848 TO 1852 -
 3003. 1854 1855 1858 1926 1929 1931 1937 1938 1940 TO 1943 1945 TO 1947 1949 1952 -
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 3005. 1990 1991 1993 2000 2002 2003 2005 2015 TO 2019 2021 2023 TO 2026 2028 2032 -
 3006. 2033 2035 2043 2046 2048 PRIS YD 0.45 ZD 0.23


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 3014. 1539 1540 1544 1553 1558 1559 1878 1885 1886 1889 1898 1899 1903 1912 1917 -
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 3018. 828 TO 834 836 TO 839 1143 TO 1159 1161 TO 1163 1166 1172 1175 TO 1179 1184 -
 3019. 1186 TO 1193 1195 TO 1198 1502 TO 1518 1520 TO 1522 1525 1531 1534 TO 1538 -
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 3022. 2233 PRIS YD 0.23 ZD 0.45
 3023. 18 25 26 29 38 39 43 52 57 58 76 83 84 87 96 97 101 110 115 -
 3024. 116 PRIS YD 0.45 ZD 0.3
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 3026. 103 TO 109 PRIS YD 0.3 ZD 0.45
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 3046. MATERIAL CONCRETE MEMB 2470 TO 2476 2478 TO 2480 2482 TO 2495 2497 2498 2500 -
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 3053. 3553 TO 3557 FIXED
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 3055. DEFINE REFERENCE LOADS
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 3059. 182 185 188 TO 191 197 201 211 213 TO 217 219 221 TO 224 226 227 237 243 -
 3060. 244 246 248 249 251 255 TO 259 261 273 280 282 TO 284 291 294 304 306 307 -
 3061. 311 314 TO 317 320 322 331 335 TO 337 341 342 345 TO 347 349 357 359 363 -
 3062. 365 372 374 376 381 384 TO 386 391 399 401 TO 409 490 TO 493 495 496 501 -


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 3065. 621 TO 625 627 639 646 648 TO 650 657 660 669 671 672 676 679 TO 682 685 -
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 3074. 124 TO 127 129 130 135 136 138 TO 141 143 144 146 147 162 167 169 TO 173 175 -
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 3105. 1222 TO 1225 UNI GZ 5
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 3107. 1227 1228 1230 1231 1246 1251 1253 TO 1257 1259 1266 1269 1272 TO 1275 1281 -
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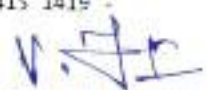
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 3145. 338 TO 340 343 344 348 350 351 354 355 358 360 362 364 366 TO 368 371 377 -
 3146. 378 TO 380 382 389 390 392 TO 398 400 410 TO 412 415 416 419 422 424 -
 3147. 483 TO 489 497 TO 499 503 508 517 518 526 527 530 534 540 543 545 547 549 -
 3148. 550 553 558 560 564 566 568 569 571 TO 576 578 584 586 591 595 596 -
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 3174. 184 187 192 194 198 200 202 203 205 TO 210 212 218 220 225 229 230 -


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 CMDA REGN NOS.
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 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119
 Mobile: 9841269154

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3175. 233 TO 236 238 240 TO 242 245 250 253 260 262 271 275 277 TO 279 281 285 -
 3176. 286 288 292 293 296 297 299 TO 303 310 313 318 319 324 TO 327 333 -
 3177. 338 TO 340 343 344 348 350 351 354 355 358 360 362 364 366 TO 368 371 377 -
 3178. 378 TO 380 382 389 390 392 TO 398 400 410 TO 412 415 416 419 422 424 -
 3179. 483 TO 489 497 TO 499 503 508 517 518 526 527 530 534 540 543 545 547 549 -
 3180. 550 553 558 560 564 566 568 569 571 TO 576 578 584 586 591 595 596 -
 3181. 599 TO 602 604 606 TO 608 611 616 619 626 628 637 641 643 TO 645 647 651 -
 3182. 652 654 658 659 662 TO 668 675 678 683 684 689 TO 692 697 701 TO 703 706 -
 3183. 707 711 713 TO 716 718 720 722 724 726 TO 728 731 736 TO 739 741 748 749 -
 3184. 751 TO 757 759 769 TO 771 774 775 778 781 783 842 TO 848 856 TO 858 862 867 -
 3185. 876 877 885 886 889 893 899 902 904 906 908 909 912 917 919 923 925 927 928 -
 3186. 930 TO 935 937 943 945 950 954 955 958 TO 961 963 965 TO 967 970 975 978 -
 3187. 985 987 996 1000 1002 TO 1004 1006 1010 1011 1013 1017 1018 1021 TO 1027 -
 3188. 1034 1037 1042 1043 1048 UNI G2 6
 3189. MEMBER LOAD
 3190. 1049 TO 1051 1056 1060 TO 1062 1065 1066 1070 1071 TO 1075 1077 1079 1081 -
 3191. 1083 1085 TO 1087 1090 1095 TO 1098 1100 1107 1108 1110 TO 1116 1118 1128 -
 3192. 1129 TO 1130 1133 1134 1137 1140 1142 1201 TO 1207 1215 TO 1217 1221 1226 -
 3193. 1235 1236 1244 1245 1248 1252 1258 1261 1263 1265 1267 1268 1271 1276 1278 -
 3194. 1282 1284 1286 1287 1289 TO 1294 1296 1302 1304 1309 1313 1314 1317 TO 1320 -
 3195. 1322 1324 TO 1326 1329 1334 1337 1344 1346 1355 1359 1361 TO 1363 1365 1369 -
 3196. 1370 1372 1376 1377 1380 TO 1386 1393 1396 1401 1402 1407 TO 1410 1415 1419 -
 3197. 1420 TO 1421 1424 1425 1429 1431 TO 1434 1436 1438 1440 1442 1444 TO 1446 -
 3198. 1449 1454 TO 1457 1459 1466 1467 1469 TO 1475 1477 1487 TO 1489 1492 1493 -
 3199. 1496 1499 1501 1500 TO 1506 1574 TO 1576 1580 1585 1594 1595 1603 1604 1607 -
 3200. 1611 1617 1620 1622 1624 1626 1627 1630 1635 1637 1641 1643 1645 1646 1648 -
 3201. 1649 TO 1653 1655 1661 1663 1668 1672 1673 1676 TO 1679 1681 1683 TO 1685 -
 3202. 1688 1693 1696 1703 1705 1714 1718 1720 TO 1722 1724 1728 1729 1731 1735 -
 3203. 1736 1739 TO 1745 1752 1755 1760 1761 1766 TO 1769 1774 1778 TO 1780 1783 -
 3204. 1784 1788 1790 TO 1793 1795 1797 1799 1801 1803 TO 1805 1808 1813 TO 1816 -
 3205. 1818 1825 1826 1828 TO 1834 1836 1846 TO 1848 1851 1852 1855 1858 1860 2214 -
 3206. 2217 UNI GX 6
 3207. 1049 TO 1051 1056 1060 TO 1062 1065 1066 1070 1072 TO 1075 1077 1079 1081 -
 3208. 1083 1085 TO 1087 1090 1095 TO 1098 1100 1107 1108 1110 TO 1116 1118 1128 -
 3209. 1129 TO 1130 1133 1134 1137 1140 1142 1201 TO 1207 1215 TO 1217 1221 1226 -
 3210. 1235 1236 1244 1245 1248 1252 1258 1261 1263 1265 1267 1268 1271 1276 1278 -
 3211. 1282 1284 1286 1287 1289 TO 1294 1296 1302 1304 1309 1313 1314 1317 TO 1320 -
 3212. 1322 1324 TO 1326 1329 1334 1337 1344 1346 1355 1359 1361 TO 1363 1365 1369 -
 3213. 1370 1372 1376 1377 1380 TO 1386 1393 1396 1401 1402 1407 TO 1410 1415 1419 -
 3214. 1420 TO 1421 1424 1425 1429 1431 TO 1434 1436 1438 1440 1442 1444 TO 1446 -
 3215. 1449 1454 TO 1457 1459 1466 1467 1469 TO 1475 1477 1487 TO 1489 1492 1493 -
 3216. 1496 1499 1501 1500 TO 1506 1574 TO 1576 1580 1585 1594 1595 1603 1604 1607 -
 3217. 1611 1617 1620 1622 1624 1626 1627 1630 1635 1637 1641 1643 1645 1646 1648 -
 3218. 1649 TO 1653 1655 1661 1663 1668 1672 1673 1676 TO 1679 1681 1683 TO 1685 -
 3219. 1688 1693 1696 1703 1705 1714 1718 1720 TO 1722 1724 1728 1729 1731 1735 -
 3220. 1736 1739 TO 1745 1752 1755 1760 1761 1766 TO 1769 1774 1778 TO 1780 1783 -
 3221. 1784 1788 1790 TO 1793 1795 1797 1799 1801 1803 TO 1805 1808 1813 TO 1816 -
 3222. 1818 1825 1826 1828 TO 1834 1836 1846 TO 1848 1851 1852 1855 1858 1860 2214 -
 3223. 2217 UNI GY 6
 3224. 1049 TO 1051 1056 1060 TO 1062 1065 1066 1070 1072 TO 1075 1077 1079 1081 -
 3225. 1083 1085 TO 1087 1090 1095 TO 1098 1100 1107 1108 1110 TO 1116 1118 1128 -
 3226. 1129 TO 1130 1133 1134 1137 1140 1142 1201 TO 1207 1215 TO 1217 1221 1226 -
 3227. 1235 1236 1244 1245 1248 1252 1258 1261 1263 1265 1267 1268 1271 1276 1278 -
 3228. 1282 1284 1286 1287 1289 TO 1294 1296 1302 1304 1309 1313 1314 1317 TO 1320 -
 3229. 1322 1324 TO 1326 1329 1334 1337 1344 1346 1355 1359 1361 TO 1363 1365 1369 -
 3230. 1370 1372 1376 1377 1380 TO 1386 1393 1396 1401 1402 1407 TO 1410 1415 1419 -


 V. JAGEN, B.E. M.E. (Struct), M.I.E., A.I.V.,
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 BLOCK-2 MODEL SCHOOL ROAD
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3231. 1428 TO 1421 1424 1425 1429 1431 TO 1434 1436 1438 1440 1442 1444 TO 1446 -
 3232. 1449 1454 TO 1457 1459 1466 1467 1469 TO 1475 1477 1487 TO 1489 1492 1493 -
 3233. 1496 1499 1501 1560 TO 1566 1574 TO 1576 1580 1585 1594 1595 1603 1604 1607 -
 3234. 1611 1617 1620 1622 1624 1626 1627 1630 1635 1637 1641 1643 1645 1646 1648 -
 3235. 1649 TO 1653 1655 1661 1663 1668 1672 1673 1676 TO 1679 1681 1683 TO 1685 -
 3236. 1688 1693 1696 1703 1705 1714 1718 1720 TO 1722 1724 1728 1729 1731 1735 -
 3237. 1736 1739 TO 1745 1752 1755 1760 1761 1766 TO 1769 1774 1778 TO 1780 1783 -
 3238. 1784 1788 1790 TO 1793 1795 1797 1799 1801 1803 TO 1805 1808 1813 TO 1816 -
 3239. 1818 1825 1826 1828 TO 1834 1836 1846 TO 1848 1851 1852 1855 1858 1860 2214 -
 3240. 2217 UNI GZ 6
 3241. MEMBER LOAD
 3242. 148 153 TO 156 159 165 176 178 193 196 263 266 TO 268 270 274 289 290 295 -
 3243. 328 387 388 417 418 420 421 423 514 519 TO 522 525 531 542 544 559 562 629 -
 3244. 632 TO 634 636 640 655 656 661 693 746 747 776 777 779 780 782 873 -
 3245. 878 TO 881 884 890 901 903 918 921 988 991 TO 993 995 999 1014 1015 1020 -
 3246. 1052 1105 1106 1135 1136 1138 1139 1141 1232 1237 TO 1240 1243 1249 1260 -
 3247. 1262 1277 1280 1347 1350 TO 1352 1354 1358 1373 1374 1379 1411 1464 1465 -
 3248. 1494 1495 1497 1498 1500 1591 1596 TO 1599 1602 1608 1619 1621 1636 1639 -
 3249. 1706 1709 TO 1711 1713 1717 1732 1733 1738 1770 1823 1824 1853 1854 1856 -
 3250. 1857 1859 1950 1956 TO 1958 1967 1978 1980 1995 1998 2065 2068 TO 2070 2072 -
 3251. 2076 2091 2092 2097 2212 2213 2215 2216 2218 2301 2307 TO 2309 2318 2329 -
 3252. 2331 2346 2349 2416 2419 TO 2421 2423 2427 2442 2443 2448 2563 2564 2566 -
 3253. 2567 2569 UNI GX 7
 3254. 148 153 TO 156 159 165 176 178 193 196 263 266 TO 268 270 274 289 290 295 -
 3255. 328 387 388 417 418 420 421 423 514 519 TO 522 525 531 542 544 559 562 629 -
 3256. 632 TO 634 636 640 655 656 661 693 746 747 776 777 779 780 782 873 -
 3257. 878 TO 881 884 890 901 903 918 921 988 991 TO 993 995 999 1014 1015 1020 -
 3258. 1052 1105 1106 1135 1136 1138 1139 1141 1232 1237 TO 1240 1243 1249 1260 -
 3259. 1262 1277 1280 1347 1350 TO 1352 1354 1358 1373 1374 1379 1411 1464 1465 -
 3260. 1494 1495 1497 1498 1500 1591 1596 TO 1599 1602 1608 1619 1621 1636 1639 -
 3261. 1706 1709 TO 1711 1713 1717 1732 1733 1738 1770 1823 1824 1853 1854 1856 -
 3262. 1857 1859 1950 1956 TO 1958 1967 1978 1980 1995 1998 2065 2068 TO 2070 2072 -
 3263. 2076 2091 2092 2097 2212 2213 2215 2216 2218 2301 2307 TO 2309 2318 2329 -
 3264. 2331 2346 2349 2416 2419 TO 2421 2423 2427 2442 2443 2448 2563 2564 2566 -
 3265. 2567 2569 UNI GY 7
 3266. 148 153 TO 156 159 165 176 178 193 196 263 266 TO 268 270 274 289 290 295 -
 3267. 328 387 388 417 418 420 421 423 514 519 TO 522 525 531 542 544 559 562 629 -
 3268. 632 TO 634 636 640 655 656 661 693 746 747 776 777 779 780 782 873 -
 3269. 878 TO 881 884 890 901 903 918 921 988 991 TO 993 995 999 1014 1015 1020 -
 3270. 1052 1105 1106 1135 1136 1138 1139 1141 1232 1237 TO 1240 1243 1249 1260 -
 3271. 1262 1277 1280 1347 1350 TO 1352 1354 1358 1373 1374 1379 1411 1464 1465 -
 3272. 1494 1495 1497 1498 1500 1591 1596 TO 1599 1602 1608 1619 1621 1636 1639 -
 3273. 1706 1709 TO 1711 1713 1717 1732 1733 1738 1770 1823 1824 1853 1854 1856 -
 3274. 1857 1859 1950 1956 TO 1958 1967 1978 1980 1995 1998 2065 2068 TO 2070 2072 -
 3275. 2076 2091 2092 2097 2212 2213 2215 2216 2218 2301 2307 TO 2309 2318 2329 -
 3276. 2331 2346 2349 2416 2419 TO 2421 2423 2427 2442 2443 2448 2563 2564 2566 -
 3277. 2567 2569 UNI GZ 7
 3278. MEMBER LOAD
 3279. 1919 TO 1925 1933 TO 1935 1939 1944 1953 1954 1962 1968 1970 1976 1979 1981 -
 3280. 1983 1985 1986 1989 1994 1997 2002 2004 TO 2012 2014 2020 2022 2031 2032 -
 3281. 2035 TO 2038 2040 2042 TO 2044 2047 2052 2055 2062 2064 2074 2079 TO 2081 -
 3282. 2083 2087 2088 2090 2098 2099 2101 TO 2103 2111 2114 2119 2120 2124 2128 -
 3283. 2137 TO 2139 2142 2143 2147 2149 TO 2152 2154 2156 2158 2160 2165 TO 2167 -
 3284. 2172 TO 2175 2177 2184 2185 2187 TO 2193 2195 2206 2207 2209 UNI GX 3
 3285. 1919 TO 1925 1933 TO 1935 1939 1944 1953 1954 1962 1968 1970 1976 1979 1981 -
 3286. 1983 1985 1986 1989 1994 1997 2002 2004 TO 2012 2014 2020 2022 2031 2032 -


 V. JAGEN, B.E.M.E. (Struct), M.I.E., A.I.V.
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3287. 2035 TO 2038 2040 2042 TO 2044 2047 2052 2055 2062 2064 2074 2079 TO 2081 -
 3288. 2083 2087 2088 2090 2098 2099 2101 TO 2103 2111 2114 2119 2120 2124 2128 -
 3289. 2137 TO 2139 2142 2143 2147 2149 TO 2152 2154 2156 2158 2160 2165 TO 2167 -
 3290. 2172 TO 2175 2177 2184 2185 2187 TO 2193 2195 2206 2207 2209 UNI GY 3
 3291. 1919 TO 1925 1933 TO 1935 1939 1944 1953 1954 1962 1968 1970 1976 1979 1981 -
 3292. 1983 1985 1986 1989 1994 1997 2002 2004 TO 2012 2014 2020 2022 2031 2032 -
 3293. 2035 TO 2038 2040 2042 TO 2044 2047 2052 2055 2062 2064 2074 2079 TO 2081 -
 3294. 2083 2087 2088 2090 2098 2099 2101 TO 2103 2111 2114 2119 2120 2124 2128 -
 3295. 2137 TO 2139 2142 2143 2147 2149 TO 2152 2154 2156 2158 2160 2165 TO 2167 -
 3296. 2172 TO 2175 2177 2184 2185 2187 TO 2193 2195 2206 2207 2209 UNI GZ 3
 3297. MEMBER LOAD
 3298. 166 195 272 323 369 370 414 532 561 638 688 729 730 773 891 920 997 1047 -
 3299. 1088 1089 1132 1250 1279 1356 1406 1447 1448 1491 1609 1638 1715 1765 1806 -
 3300. 1807 1850 UNI GX 3
 3301. 166 195 272 323 369 370 414 532 561 638 688 729 730 773 891 920 997 1047 -
 3302. 1088 1089 1132 1250 1279 1356 1406 1447 1448 1491 1609 1638 1715 1765 1806 -
 3303. 1807 1850 UNI GY 3
 3304. 166 195 272 323 369 370 414 532 561 638 688 729 730 773 891 920 997 1047 -
 3305. 1088 1089 1132 1250 1279 1356 1406 1447 1448 1491 1609 1638 1715 1765 1806 -
 3306. 1807 1850 UNI GZ 3
 3307. FLOOR LOAD
 3308. YRANGE 4 23 FLOAD 5.125 GX
 3309. YRANGE 4 23 FLOAD 5.125 GY
 3310. YRANGE 4 23 FLOAD 5.125 GZ
 3311. FLOOR LOAD
 3312. YRANGE 19 20 FLOAD 1.6 GX
 3313. YRANGE 19 20 FLOAD 1.6 GY
 3314. YRANGE 19 20 FLOAD 1.6 GZ
 3315. FLOOR LOAD
 3316. _WT FLOAD 15 GX
 3317. _WT FLOAD 15 GY
 3318. _WT FLOAD 15 GZ
 3319. SELFWEIGHT X 1 LIST 1 TO 21 24 TO 26 29 30 33 TO 39 42 TO 79 82 TO 84 87 88 -
 3320. 91 TO 97 100 TO 148 150 TO 156 159 TO 198 200 TO 263 266 TO 268 270 TO 297 -
 3321. 299 TO 328 331 TO 333 335 TO 351 354 355 357 TO 372 374 TO 445 448 TO 450 -
 3322. 453 454 457 TO 463 466 TO 514 516 TO 522 525 TO 564 566 TO 629 632 TO 634 -
 3323. 636 TO 693 695 TO 804 807 TO 809 812 813 816 TO 822 825 TO 873 875 TO 881 -
 3324. 884 TO 923 925 TO 988 991 TO 993 995 TO 1052 1054 TO 1163 1166 TO 1168 1171 -
 3325. 1172 1175 TO 1181 1184 TO 1232 1234 TO 1240 1243 TO 1282 1284 TO 1347 1350 -
 3326. 1351 TO 1352 1354 TO 1411 1413 TO 1522 1525 TO 1527 1530 1531 1534 TO 1540 -
 3327. 1543 TO 1591 1593 TO 1599 1602 TO 1641 1643 TO 1706 1709 TO 1711 -
 3328. 1713 TO 1770 1772 TO 1881 1884 TO 1886 1889 1890 1893 TO 1899 1902 TO 1950 -
 3329. 1952 TO 1958 1961 TO 2000 2002 TO 2065 2068 TO 2070 2072 TO 2129 -
 3330. 2131 TO 2219 2228 TO 2234 2236 TO 2238 2241 TO 2245 2247 2250 TO 2252 2254 -
 3331. 2255 TO 2287 2290 2292 2295 2296 2299 2301 2303 TO 2309 2312 TO 2321 2323 -
 3332. 2326 TO 2337 2339 2340 2343 2345 TO 2350 2353 2355 TO 2365 2367 2369 2378 -
 3333. 2379 TO 2380 2382 2385 2387 TO 2391 2395 2396 2398 2399 2401 2403 TO 2410 -
 3334. 2412 2413 2415 2416 2419 TO 2421 2423 TO 2427 2429 TO 2434 2436 -
 3335. 2438 TO 2465 2468
 3336. SELFWEIGHT Y 1 LIST 1 TO 21 24 TO 26 29 30 33 TO 39 42 TO 79 82 TO 84 87 88 -
 3337. 91 TO 97 100 TO 148 150 TO 156 159 TO 198 200 TO 263 266 TO 268 270 TO 297 -
 3338. 299 TO 328 331 TO 333 335 TO 351 354 355 357 TO 372 374 TO 445 448 TO 450 -
 3339. 453 454 457 TO 463 466 TO 514 516 TO 522 525 TO 564 566 TO 629 632 TO 634 -
 3340. 636 TO 693 695 TO 804 807 TO 809 812 813 816 TO 822 825 TO 873 875 TO 881 -
 3341. 884 TO 923 925 TO 988 991 TO 993 995 TO 1052 1054 TO 1163 1166 TO 1168 1171 -
 3342. 1172 1175 TO 1181 1184 TO 1232 1234 TO 1240 1243 TO 1282 1284 TO 1347 1350 -


 V. JAGEN, BE, M.E. (Struct), M.E. (A.V.),
 CMDA REGD NOS-
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 3-B, RAMANIYAM GAURAVV - 2
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3343. 1351 TO 1352 1354 TO 1411 1413 TO 1522 1525 TO 1527 1530 1531 1534 TO 1540 -
 3344. 1543 TO 1591 1593 TO 1599 1602 TO 1641 1643 TO 1706 1709 TO 1711 -
 3345. 1713 TO 1770 1772 TO 1881 1884 TO 1886 1889 1890 1893 TO 1899 1902 TO 1950 -
 3346. 1952 TO 1958 1961 TO 2000 2002 TO 2065 2068 TO 2070 2072 TO 2129 -
 3347. 2131 TO 2219 2228 TO 2234 2236 TO 2238 2241 TO 2245 2247 2250 TO 2252 2254 -
 3348. 2255 TO 2287 2290 2292 2295 2296 2299 2301 2303 TO 2309 2312 TO 2321 2323 -
 3349. 2326 TO 2337 2339 2340 2343 2345 TO 2350 2353 2355 TO 2365 2367 2369 2378 -
 3350. 2379 TO 2380 2382 2385 2387 TO 2391 2395 2396 2398 2399 2401 2403 TO 2410 -
 3351. 2412 2413 2415 2416 2419 TO 2421 2423 TO 2427 2429 TO 2434 2436 -
 3352. 2438 TO 2465 2468
 3353. SELFWEIGHT Z 1 LIST 1 TO 21 24 TO 26 29 30 33 TO 39 42 TO 79 82 TO 84 87 88 -
 3354. 91 TO 97 100 TO 148 150 TO 156 159 TO 198 200 TO 263 266 TO 268 270 TO 297 -
 3355. 299 TO 328 331 TO 333 335 TO 351 354 355 357 TO 372 374 TO 445 448 TO 450 -
 3356. 453 454 457 TO 463 466 TO 514 516 TO 522 525 TO 564 566 TO 629 632 TO 634 -
 3357. 636 TO 693 695 TO 804 807 TO 809 812 813 816 TO 822 825 TO 873 875 TO 881 -
 3358. 884 TO 923 925 TO 988 991 TO 993 995 TO 1052 1054 TO 1163 1166 TO 1168 1171 -
 3359. 1172 1175 TO 1181 1184 TO 1232 1234 TO 1240 1243 TO 1282 1284 TO 1347 1350 -
 3360. 1351 TO 1352 1354 TO 1411 1413 TO 1522 1525 TO 1527 1530 1531 1534 TO 1540 -
 3361. 1543 TO 1591 1593 TO 1599 1602 TO 1641 1643 TO 1706 1709 TO 1711 -
 3362. 1713 TO 1770 1772 TO 1881 1884 TO 1886 1889 1890 1893 TO 1899 1902 TO 1950 -
 3363. 1952 TO 1958 1961 TO 2000 2002 TO 2065 2068 TO 2070 2072 TO 2129 -
 3364. 2131 TO 2219 2228 TO 2234 2236 TO 2238 2241 TO 2245 2247 2250 TO 2252 2254 -
 3365. 2255 TO 2287 2290 2292 2295 2296 2299 2301 2303 TO 2309 2312 TO 2321 2323 -
 3366. 2326 TO 2337 2339 2340 2343 2345 TO 2350 2353 2355 TO 2365 2367 2369 2378 -
 3367. 2379 TO 2380 2382 2385 2387 TO 2391 2395 2396 2398 2399 2401 2403 TO 2410 -
 3368. 2412 2413 2415 2416 2419 TO 2421 2423 TO 2427 2429 TO 2434 2436 -
 3369. 2438 TO 2465 2468
 3370. SELFWEIGHT X 1 LIST 2470 TO 2476 2478 TO 2480 2482 TO 2495 2497 2498 2500 -
 3371. 2501 TO 2509 2511 TO 2515 2518 TO 2524 2526 TO 2528 2530 2533 TO 2542 2544 -
 3372. 2545 TO 2548 2550 2551 2553 2556 TO 2582 2727 TO 3086 3179 TO 3538 -
 3373. 3623 TO 3982 4127 TO 4486 4579 TO 4938 5031 TO 5390
 3374. SELFWEIGHT Y 1 LIST 2470 TO 2476 2478 TO 2480 2482 TO 2495 2497 2498 2500 -
 3375. 2501 TO 2509 2511 TO 2515 2518 TO 2524 2526 TO 2528 2530 2533 TO 2542 2544 -
 3376. 2545 TO 2548 2550 2551 2553 2556 TO 2582 2727 TO 3086 3179 TO 3538 -
 3377. 3623 TO 3982 4127 TO 4486 4579 TO 4938 5031 TO 5390
 3378. SELFWEIGHT Z 1 LIST 2470 TO 2476 2478 TO 2480 2482 TO 2495 2497 2498 2500 -
 3379. 2501 TO 2509 2511 TO 2515 2518 TO 2524 2526 TO 2528 2530 2533 TO 2542 2544 -
 3380. 2545 TO 2548 2550 2551 2553 2556 TO 2582 2727 TO 3086 3179 TO 3538 -
 3381. 3623 TO 3982 4127 TO 4486 4579 TO 4938 5031 TO 5390
 3382. FLOOR LOAD
 3383. YRANGE 4 19 FLOAD 0.5 GX
 3384. YRANGE 4 19 FLOAD 0.5 GY
 3385. YRANGE 4 19 FLOAD 0.5 GZ
 3386. END DEFINE REFERENCE LOADS

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

3387. FLOOR DIAPHRAGM
 3388. DIA 1 TYPE RIG HEI 4.1
 3389. DIA 2 TYPE RIG HEI 7.2
 3390. DIA 3 TYPE RIG HEI 10.3
 3391. DIA 4 TYPE RIG HEI 13.4
 3392. DIA 5 TYPE RIG HEI 16.5
 3393. DIA 6 TYPE RIG HEI 19.6


 V. JAGEN, B.E., M.E., (Struct), M.I.E., A.I.V.,
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3394. DIA 7 TYPE RIG HEI 22.7

FLOOR DIAPHRAGM

FLOOR DIAPHRAGM		UNIT - KN	METE				
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NO.	TYPE	FL. LEVEL	FL. WT	CENTRE X	OF Z	MASS	CONTROL JOINT NO.
1	RIGID	4.100	8480.96	-18.640		8.203	3853
2	RIGID	7.200	8430.35	-18.641		8.205	3854
3	RIGID	10.300	8430.36	-18.641		8.205	3855
4	RIGID	13.400	8430.35	-18.641		8.205	3856
5	RIGID	16.500	8430.36	-18.641		8.205	3857
6	RIGID	19.600	7251.18	-18.819		8.369	3858
7	RIGID	22.700	804.41	-23.853		13.197	3859

3395. DEFINE IS1893 2016 LOAD
 3397. ZONE 0.16 RF 5 I 1 55 2 ST 1 DM 0.05 PX 0.42 PZ 0.24
 3398. DEFINE WIND LOAD
 3399. TYPE 1 IS875 RECT CLAD (+X)
 3400. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
 3401. IS875-2015:PARAMS 1 0 0 22.700 0.000 5.000 0 CHENNAI 50.000 0 1.000 2 6 -
 3402. 0.910 0.910 0.910 0.970 1.010 1.023 1.000 2 1.000 0.200 0 47.425 17.835 -
 3403. 22.700 1 1 1 0.200 0 3 4 0 4 1.000 0.000 0.000 0.000 NA NA 6 0.000 0.000 -
 3404. 30.000 3.000 0.000 0.000 1 1 4 0.000 1.000 0.000 0.000 NA NA 6 0.000 0.000 -
 3405. 30.000 3.000 0.000 0.000 1 2 4 0.000 0.000 1.000 0.000 NA NA 6 0.000 0.000 -
 3406. 30.000 3.000 0.000 0.000 1 3 4 0.000 0.000 0.000 1.000 NA NA 6 0.000 0.000 -
 3407. 30.000 3.000 0.000 0.000 1 0.900 1.000 0.900 TYPES 4 1 2 3 4 LOADS 4 13 14 -
 3408. 15 16
 3409. !> END GENERATED DATA BLOCK
 3410. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27277 HEIG 0 5.00001 10 15 20 -
 3411. 22.7
 3412. TYPE 2 IS875 RECT CLAD (-X)
 3413. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
 3414. IS875-2015:PARAMS 1 1
 3415. !> END GENERATED DATA BLOCK
 3416. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27277 HEIG 0 5.00001 10 15 20 -
 3417. 22.7
 3418. TYPE 3 IS875 RECT CLAD (+Z)
 3419. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
 3420. IS875-2015:PARAMS 1 3
 3421. !> END GENERATED DATA BLOCK
 3422. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27277 HEIG 0 5.00001 10 15 20 -
 3423. 22.7
 3424. TYPE 4 IS875 RECT CLAD (-Z)


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 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119
 Mobile: 9841269154

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3425. <1 STAAD PRO GENERATED DATA DO NOT MODIFY !!!
3426. 15875-2015:PARAMS 1 1
3427. !> END GENERATED DATA BLOCK
3428. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.27277 HEIG 0 5.00001 10 15 20 -
3429. 22.7
3430. LOAD 5 LOADTYPE SEISMIC-H TITLE EQ+X
3431. 1893 LOAD X 1
3432. LOAD 6 LOADTYPE SEISMIC-H TITLE EQ-X
3433. 1893 LOAD X -1.
3434. LOAD 7 LOADTYPE SEISMIC-H TITLE EQ+Z
3435. 1893 LOAD Z 1
3436. LOAD 8 LOADTYPE SEISMIC-H TITLE EQ-Z
3437. 1893 LOAD Z -1.
3438. LOAD 1 LOADTYPE DEAD TITLE DL
3439. MEMBER LOAD
3440. 124 TO 127 129 130 135 136 138 TO 141 143 144 146 147 162 167 169 TO 173 175 -
3441. 182 185 188 TO 191 197 201 211 213 TO 217 219 221 TO 224 226 227 237 243 -
3442. 244 246 248 249 252 255 TO 259 261 273 280 282 TO 284 291 294 304 306 307 -
3443. 311 314 TO 317 320 322 331 335 TO 337 341 342 345 TO 347 349 357 359 363 -
3444. 365 372 374 376 381 384 TO 386 391 399 401 TO 409 490 TO 493 495 496 501 -
3445. 502 504 TO 507 509 510 512 513 528 533 535 TO 539 541 548 551 554 TO 557 -
3446. 563 567 577 579 TO 583 585 587 TO 590 592 593 603 609 610 612 614 615 618 -
3447. 621 TO 625 627 639 646 648 TO 650 657 660 669 671 672 676 679 TO 682 685 -
3448. 687 695 698 TO 700 704 705 708 TO 710 712 717 719 723 725 732 733 735 740 -
3449. 743 TO 745 750 758 760 TO 760 849 TO 852 854 855 860 861 863 TO 866 868 869 -
3450. 871 872 887 892 894 TO 898 900 907 910 913 TO 916 922 926 936 938 TO 942 -
3451. 944 946 TO 949 951 952 962 968 969 971 973 974 977 980 TO 984 986 998 1005 -
3452. 1007 TO 1009 1016 1019 1028 1030 1031 1035 1038 TO 1041 1044 1046 1054 1057 -
3453. 1058 TO 1059 1063 1064 1067 TO 1069 1071 1076 1078 1082 1084 1091 1092 1094 -
3454. 1099 1102 TO 1104 1109 1117 1119 TO 1127 1208 TO 1211 1213 1214 1219 1220 -
3455. 1222 TO 1225 UNI GY -5
3456. 1227 1228 1230 1231 1246 1251 1253 TO 1257 1259 1266 1269 1272 TO 1275 1281 -
3457. 1285 1295 1297 TO 1301 1303 1305 TO 1308 1310 1311 1321 1327 1328 1330 1332 -
3458. 1333 1336 1339 TO 1343 1345 1357 1364 1366 TO 1368 1375 1378 1387 1389 1390 -
3459. 1394 1397 TO 1400 1403 1405 1413 1416 TO 1418 1422 1423 1426 TO 1428 1430 -
3460. 1435 1437 1441 1443 1450 1451 1453 1458 1461 TO 1463 1468 1476 1478 TO 1486 -
3461. 1567 TO 1570 1572 1573 1578 1579 1581 TO 1584 1586 1587 1589 1590 1605 1610 -
3462. 1612 TO 1616 1618 1625 1628 1631 TO 1634 1640 1644 1654 1656 TO 1660 1662 -
3463. 1664 TO 1667 1669 1670 1680 1686 1687 1689 1691 1692 1695 1698 TO 1702 1704 -
3464. 1716 1723 1725 TO 1727 1734 1737 1746 1748 1749 1753 1756 TO 1759 1762 1764 -
3465. 1772 1775 TO 1777 1781 1782 1785 TO 1787 1789 1794 1796 1800 1802 1809 1810 -
3466. 1812 1817 1820 TO 1822 1827 1835 1837 TO 1845 UNI GY -5
3467. 117 TO 123 131 TO 133 137 142 151 152 160 161 164 168 174 177 179 181 183 -
3468. 184 187 192 194 198 200 202 203 205 TO 210 212 218 220 225 229 230 -

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3469. 233 TO 236 238 240 TO 242 245 250 253 260 262 271 275 277 TO 279 281 285 -
 3470. 286 288 292 293 296 297 299 TO 303 310 313 318 319 324 TO 327 333 -
 3471. 338 TO 340 343 344 348 350 351 354 355 358 360 362 364 366 TO 368 371 377 -
 3472. 378 TO 380 382 389 390 392 TO 398 400 410 TO 412 415 416 419 422 424 -
 3473. 483 TO 489 497 TO 499 503 508 517 518 526 527 530 534 540 543 545 547 549 -
 3474. 550 553 558 560 564 566 568 569 571 TO 576 578 584 586 591 595 596 -
 3475. 599 TO 602 604 606 TO 608 611 616 619 626 628 637 641 643 TO 645 647 651 -
 3476. 652 654 658 659 662 TO 668 675 678 683 684 689 TO 692 697 701 TO 703 706 -
 3477. 707 711 713 TO 716 718 720 722 724 726 TO 728 731 736 TO 739 741 748 749 -
 3478. 751 TO 757 759 769 TO 771 774 775 778 781 783 842 TO 848 856 TO 858 862 867 -
 3479. 876 877 885 886 889 893 899 902 904 906 908 909 912 917 919 923 925 927 928 -
 3480. 930 TO 935 937 943 945 950 954 955 958 TO 961 963 965 TO 967 970 975 978 -
 3481. 985 987 996 1000 1002 TO 1004 1006 1010 1011 1013 1017 1018 1021 TO 1027 -
 3482. 1034 1037 1042 1043 1048 UNI GY -6
 3483. 1049 TO 1051 1056 1060 TO 1062 1065 1066 1070 1072 TO 1075 1077 1079 1081 -
 3484. 1083 1085 TO 1087 1090 1095 TO 1098 1100 1107 1108 1110 TO 1116 1118 1128 -
 3485. 1129 TO 1130 1133 1134 1137 1140 1142 1201 TO 1207 1215 TO 1217 1221 1226 -
 3486. 1235 1236 1244 1245 1248 1252 1258 1261 1263 1265 1267 1268 1271 1276 1278 -
 3487. 1282 1284 1286 1287 1289 TO 1294 1296 1302 1304 1309 1313 1314 1317 TO 1320 -
 3488. 1322 1324 TO 1326 1329 1334 1337 1344 1346 1355 1359 1361 TO 1363 1365 1369 -
 3489. 1370 1372 1376 1377 1380 TO 1386 1393 1396 1401 1402 1407 TO 1410 1415 1419 -
 3490. 1420 TO 1421 1424 1425 1429 1431 TO 1434 1436 1438 1440 1442 1444 TO 1446 -
 3491. 1449 1454 TO 1457 1459 1466 1467 1469 TO 1475 1477 1487 TO 1489 1492 1493 -
 3492. 1496 1499 1501 1500 TO 1566 1574 TO 1576 1580 1585 1594 1595 1603 1604 1607 -
 3493. 1611 1617 1620 1622 1624 1626 1627 1630 1635 1637 1641 1643 1645 1646 1648 -
 3494. 1649 TO 1653 1655 1661 1663 1668 1672 1673 1676 TO 1679 1681 1683 TO 1685 -
 3495. 1688 1693 1696 1703 1705 1714 1718 1720 TO 1722 1724 1728 1729 1731 1735 -
 3496. 1736 1739 TO 1745 1752 1755 1760 1761 1766 TO 1769 1774 1778 TO 1780 1783 -
 3497. 1784 1788 1790 TO 1793 1795 1797 1799 1801 1803 TO 1805 1808 1813 TO 1816 -
 3498. 1818 1825 1826 1828 TO 1834 1836 1846 TO 1848 1851 1852 1855 1858 1860 2214 -
 3499. 2217 UNI GY -6
 3500. 148 153 TO 156 159 165 176 178 193 196 263 266 TO 268 270 274 289 290 295 -
 3501. 328 387 388 417 418 420 421 423 514 519 TO 522 525 531 542 544 559 562 629 -
 3502. 632 TO 634 636 640 655 656 661 693 746 747 776 777 779 780 782 873 -
 3503. 878 TO 881 884 890 901 903 918 921 988 991 TO 993 995 999 1014 1015 1020 -
 3504. 1052 1105 1106 1135 1136 1138 1139 1141 1232 1237 TO 1240 1243 1249 1260 -
 3505. 1262 1277 1280 1347 1350 TO 1352 1354 1358 1373 1374 1379 1411 1464 1465 -
 3506. 1494 1495 1497 1498 1500 1591 1596 TO 1599 1602 1608 1619 1621 1636 1639 -
 3507. 1706 1709 TO 1711 1713 1717 1732 1733 1738 1770 1823 1824 1853 1854 1856 -
 3508. 1857 1859 1950 1956 TO 1958 1967 1978 1980 1995 1998 2065 2068 TO 2070 2072 -
 3509. 2076 2091 2092 2097 2212 2213 2215 2216 2218 2301 2307 TO 2309 2318 2329 -
 3510. 2331 2346 2349 2416 2419 TO 2421 2423 2427 2442 2443 2448 2563 2564 2566 -
 3511. 2567 2569 UNI GY -7
 3512. 1919 TO 1925 1933 TO 1935 1939 1944 1953 1954 1962 1968 1970 1976 1979 1981 -
 3513. 1983 1985 1986 1989 1994 1997 2002 2004 TO 2012 2014 2020 2022 2031 2032 -
 3514. 2035 TO 2038 2040 2042 TO 2044 2047 2052 2055 2062 2064 2074 2079 TO 2081 -
 3515. 2083 2087 2088 2090 2098 2099 2101 TO 2103 2111 2114 2119 2120 2124 2128 -
 3516. 2137 TO 2139 2142 2143 2147 2149 TO 2152 2154 2156 2158 2160 2165 TO 2167 -
 3517. 2172 TO 2175 2177 2184 2185 2187 TO 2193 2195 2206 2207 2209 UNI GY -3
 3518. 166 195 272 323 369 370 414 532 561 638 688 729 730 773 891 920 997 1047 -
 3519. 1088 1089 1132 1250 1279 1356 1406 1447 1448 1491 1609 1638 1715 1765 1806 -
 3520. 1807 1850 UNI GY -3
 3521. FLOOR LOAD



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3522. YRANGE 4 23 FLOAD -5.125 GY

NOTE about Floor/Onway 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."

3523. YRANGE 19 20 FLOAD -1.6 GY

3524. _WT FLOAD -15 GY

NOTE about FLOOR GROUP command

All floor panels in a floor group should lie in a single plane. If not lying in a single plane break single FLOOR GROUP command into multiple FLOOR GROUP commands where each floor group lie in a single plane / height.

3525. SELFWEIGHT Y -1 LIST 1 TO 21 24 TO 26 29 30 33 TO 39 42 TO 79 82 TO 84 87 -
 3526. 88 91 TO 97 100 TO 148 150 TO 156 159 TO 198 200 TO 263 266 TO 268 -
 3527. 270 TO 297 299 TO 328 331 TO 333 335 TO 351 354 355 357 TO 372 374 TO 445 -
 3528. 448 TO 450 453 454 457 TO 463 466 TO 514 516 TO 522 525 TO 564 566 TO 629 -
 3529. 632 TO 634 636 TO 693 695 TO 804 807 TO 809 812 813 816 TO 822 825 TO 873 -
 3530. 875 TO 881 884 TO 923 925 TO 988 991 TO 993 995 TO 1052 1054 TO 1163 1166 -
 3531. 1167 TO 1168 1171 1172 1175 TO 1181 1184 TO 1232 1234 TO 1240 1243 TO 1282 -
 3532. 1284 TO 1347 1350 TO 1352 1354 TO 1411 1413 TO 1522 1525 TO 1527 1530 1531 -
 3533. 1534 TO 1540 1543 TO 1591 1593 TO 1599 1602 TO 1641 1643 TO 1706 -
 3534. 1709 TO 1711 1713 TO 1770 1772 TO 1881 1884 TO 1886 1889 1890 1893 TO 1899 -
 3535. 1902 TO 1950 1952 TO 1958 1961 TO 2000 2002 TO 2065 2068 TO 2070 -
 3536. 2072 TO 2129 2131 TO 2219 2228 TO 2234 2236 TO 2238 2241 TO 2245 2247 2250 -
 3537. 2251 TO 2252 2254 TO 2287 2290 2292 2295 2296 2299 2301 2303 TO 2309 2312 -
 3538. 2313 TO 2321 2323 2326 TO 2337 2339 2340 2343 2345 TO 2350 2353 2355 TO 2365 -
 3539. 2367 2369 2378 TO 2380 2382 2385 2387 TO 2391 2395 2396 2398 2399 2401 2403 -
 3540. 2404 TO 2410 2412 2413 2415 2416 2419 TO 2421 2423 TO 2427 2429 TO 2434 2436 -
 3541. 2438 TO 2465 2468
 3542. SELFWEIGHT Y -1 LIST 2470 TO 2476 2478 TO 2480 2482 TO 2495 2497 2498 2500 -
 3543. 2501 TO 2509 2511 TO 2515 2518 TO 2524 2526 TO 2528 2530 2533 TO 2542 2544 -
 3544. 2545 TO 2548 2550 2551 2553 2556 TO 2582 2727 TO 3086 3179 TO 3538 -
 3545. 3623 TO 3982 4127 TO 4486 4579 TO 4938 5031 TO 5390
 3546. LOAD 2 LOADTYPE LIVE TITLE LL
 3547. FLOOR LOAD
 3548. YRANGE 4 19 FLOAD -2 GY
 3549. YRANGE 19 20 FLOAD -1.5 GY
 3550. LOAD 9 LOADTYPE SEISMIC-H TITLE RS+X
 3551. SPECTRUM CQC IS1893 2016 X 0.016 SCALE 2.85 DAMP 0.05 MIS 0
 3552. SOIL TYPE 2
 3553. LOAD 10 LOADTYPE SEISMIC-H TITLE RS-X
 3554. SPECTRUM CQC IS1893 2016 X -0.016 SCALE 2.85 DAMP 0.05 MIS 0
 3555. SOIL TYPE 2
 3556. LOAD 11 LOADTYPE SEISMIC-H TITLE RS+Z
 3557. SPECTRUM CQC IS1893 2016 Z 0.016 SCALE 2.6 DAMP 0.05 MIS 0
 3558. SOIL TYPE 2
 3559. LOAD 12 LOADTYPE SEISMIC-H TITLE RS-Z
 3560. SPECTRUM CQC IS1893 2016 Z -0.016 SCALE 2.6 DAMP 0.05 MIS 0
 3561. SOIL TYPE 2
 3562. LOAD 13 LOADTYPE WIND TITLE WIND (+X) IS875 RECT CLAD



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3563. WIND LOAD X 1 TYPE 1 YR 3.00001 30.0001

**WARNING-fx fy fz wind forces: 2.3393E-01 0.0000E+00 0.0000E+00
 at coordinates: -3.8855E+01 4.1000E+00 3.1600E+00 ignored.
 **WARNING-fx fy fz wind forces: 4.6785E-01 0.0000E+00 0.0000E+00
 at coordinates: -3.8855E+01 7.2000E+00 3.1600E+00 ignored.
 **WARNING-fx fy fz wind forces: 2.1443E-01 0.0000E+00 0.0000E+00
 at coordinates: -2.8045E+01 4.1000E+00 1.0515E+01 ignored.
 **WARNING-fx fy fz wind forces: 4.2887E-01 0.0000E+00 0.0000E+00
 at coordinates: -2.8045E+01 7.2000E+00 1.0515E+01 ignored.
 **WARNING-fx fy fz wind forces: 8.9282E-01 0.0000E+00 0.0000E+00
 at coordinates: -1.3925E+01 4.1000E+00 2.8600E+00 ignored.
 **WARNING-fx fy fz wind forces: 1.7856E+00 0.0000E+00 0.0000E+00
 at coordinates: -1.3925E+01 7.2000E+00 2.8600E+00 ignored.
 **WARNING-fx fy fz wind forces: 2.3783E-01 0.0000E+00 0.0000E+00
 at coordinates: -1.0370E+01 4.1000E+00 1.7150E+00 ignored.
 **WARNING-fx fy fz wind forces: 4.7565E-01 0.0000E+00 0.0000E+00
 at coordinates: -1.0370E+01 7.2000E+00 1.7150E+00 ignored.
 **WARNING-fx fy fz wind forces: 1.0995E+00 0.0000E+00 0.0000E+00
 at coordinates: 2.4500E-01 4.1000E+00 1.4100E+00 ignored.
 **WARNING-fx fy fz wind forces: 2.1989E+00 0.0000E+00 0.0000E+00
 at coordinates: 2.4500E-01 7.2000E+00 1.4100E+00 ignored.
 **WARNING-fx fy fz wind forces: 5.0589E-01 0.0000E+00 0.0000E+00
 at coordinates: -3.8855E+01 1.0300E+01 3.1600E+00 ignored.
 **WARNING-fx fy fz wind forces: 4.6373E-01 0.0000E+00 0.0000E+00
 at coordinates: -2.8045E+01 1.0300E+01 1.0515E+01 ignored.
 **WARNING-fx fy fz wind forces: 1.9308E+00 0.0000E+00 0.0000E+00
 at coordinates: -1.3925E+01 1.0300E+01 2.8600E+00 ignored.
 **WARNING-fx fy fz wind forces: 5.1432E-01 0.0000E+00 0.0000E+00
 at coordinates: -1.0370E+01 1.0300E+01 1.7150E+00 ignored.
 **WARNING-fx fy fz wind forces: 2.3777E+00 0.0000E+00 0.0000E+00
 at coordinates: 2.4500E-01 1.0300E+01 1.4100E+00 ignored.
 **WARNING-fx fy fz wind forces: 5.3158E-01 0.0000E+00 0.0000E+00
 at coordinates: -3.8855E+01 1.3400E+01 3.1600E+00 ignored.
 **WARNING-fx fy fz wind forces: 4.8729E-01 0.0000E+00 0.0000E+00
 at coordinates: -2.8045E+01 1.3400E+01 1.0515E+01 ignored.
 **WARNING-fx fy fz wind forces: 2.0289E+00 0.0000E+00 0.0000E+00
 at coordinates: -1.3925E+01 1.3400E+01 2.8600E+00 ignored.
 **WARNING-fx fy fz wind forces: 5.4044E-01 0.0000E+00 0.0000E+00
 at coordinates: -1.0370E+01 1.3400E+01 1.7150E+00 ignored.
 **WARNING-fx fy fz wind forces: 2.4984E+00 0.0000E+00 0.0000E+00
 at coordinates: 2.4500E-01 1.3400E+01 1.4100E+00 ignored.
 **WARNING-fx fy fz wind forces: 5.7561E-01 0.0000E+00 0.0000E+00
 at coordinates: -3.8855E+01 1.6500E+01 3.1600E+00 ignored.
 **WARNING-fx fy fz wind forces: 5.2764E-01 0.0000E+00 0.0000E+00
 at coordinates: -2.8045E+01 1.6500E+01 1.0515E+01 ignored.
 **WARNING-fx fy fz wind forces: 2.1969E+00 0.0000E+00 0.0000E+00
 at coordinates: -1.3925E+01 1.6500E+01 2.8600E+00 ignored.
 **WARNING-fx fy fz wind forces: 5.8520E-01 0.0000E+00 0.0000E+00
 at coordinates: -1.0370E+01 1.6500E+01 1.7150E+00 ignored.
 **WARNING-fx fy fz wind forces: 2.7054E+00 0.0000E+00 0.0000E+00
 at coordinates: 2.4500E-01 1.6500E+01 1.4100E+00 ignored.
 **WARNING-fx fy fz wind forces: 2.8817E-01 0.0000E+00 0.0000E+00
 at coordinates: -3.8855E+01 1.9600E+01 3.1600E+00 ignored.


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**WARNING-fx fy fz wind forces: 2.6415E+01 0.0000E+00 0.0000E+00
    at coordinates: -2.8045E+01 1.9600E+01 1.0515E+01 ignored.
**WARNING-fx fy fz wind forces: 9.0413E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 1.9600E+01 1.2520E+01 ignored.
**WARNING-fx fy fz wind forces: 1.0998E+00 0.0000E+00 0.0000E+00
    at coordinates: -1.3925E+01 1.9600E+01 2.8600E+00 ignored.
**WARNING-fx fy fz wind forces: 2.9297E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.8370E+01 1.9600E+01 1.7150E+00 ignored.
**WARNING-fx fy fz wind forces: 1.3544E+00 0.0000E+00 0.0000E+00
    at coordinates: 2.4500E-01 1.9600E+01 1.4100E+00 ignored.
**WARNING-fx fy fz wind forces: 9.0995E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 2.2700E+01 1.2520E+01 ignored.
3564. LOAD 14 LOADTYPE WIND TITLE WIND (-X) IS875 RECT CLAD
3565. WIND LOAD X -1 TYPE 2 YR 3.00001 30.0001
**WARNING-fx fy fz wind forces: -1.5595E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.8855E+01 4.1000E+00 1.6415E+01 ignored.
**WARNING-fx fy fz wind forces: -3.1190E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.8855E+01 7.2000E+00 1.6415E+01 ignored.
**WARNING-fx fy fz wind forces: -1.3197E+00 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 4.1000E+00 1.4075E+01 ignored.
**WARNING-fx fy fz wind forces: -2.6395E+00 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 7.2000E+00 1.4075E+01 ignored.
**WARNING-fx fy fz wind forces: -8.1005E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.1935E+01 7.2000E+00 1.5895E+01 ignored.
**WARNING-fx fy fz wind forces: -3.8208E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.5150E+00 4.1000E+00 7.4550E+00 ignored.
**WARNING-fx fy fz wind forces: -7.6416E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.5150E+00 7.2000E+00 7.4550E+00 ignored.
**WARNING-fx fy fz wind forces: -4.0547E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.1935E+01 4.1000E+00 1.5895E+01 ignored.
**WARNING-fx fy fz wind forces: -3.3726E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.8855E+01 1.0300E+01 1.6415E+01 ignored.
**WARNING-fx fy fz wind forces: -2.8519E+00 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 1.0300E+01 1.4075E+01 ignored.
**WARNING-fx fy fz wind forces: -8.7687E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.1935E+01 1.0300E+01 1.5895E+01 ignored.
**WARNING-fx fy fz wind forces: -8.2628E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.5150E+00 1.0300E+01 7.4550E+00 ignored.
**WARNING-fx fy fz wind forces: -3.5439E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.8855E+01 1.3400E+01 1.6415E+01 ignored.
**WARNING-fx fy fz wind forces: -2.9990E+00 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 1.3400E+01 1.4075E+01 ignored.
**WARNING-fx fy fz wind forces: -9.2141E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.1935E+01 1.3400E+01 1.5895E+01 ignored.
**WARNING-fx fy fz wind forces: -8.6826E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.5150E+00 1.3400E+01 7.4550E+00 ignored.
**WARNING-fx fy fz wind forces: -3.8374E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.8855E+01 1.6500E+01 1.6415E+01 ignored.
**WARNING-fx fy fz wind forces: -3.2471E+00 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 1.6500E+01 1.4075E+01 ignored.
**WARNING-fx fy fz wind forces: -9.9772E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.1935E+01 1.6500E+01 1.5895E+01 ignored.

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**WARNING-fx fy fz wind forces: -9.4816E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.5150E+00 1.6500E+01 7.4550E+00 ignored.
**WARNING-fx fy fz wind forces: -1.9211E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.8855E+01 1.9600E+01 1.6415E+01 ignored.
**WARNING-fx fy fz wind forces: -1.6257E+00 0.0000E+00 0.0000E+00
    at coordinates: -1.2655E+01 1.9600E+01 1.4875E+01 ignored.
**WARNING-fx fy fz wind forces: -1.0089E+00 0.0000E+00 0.0000E+00
    at coordinates: -3.1935E+01 1.9600E+01 1.5895E+01 ignored.
**WARNING-fx fy fz wind forces: -4.7867E-01 0.0000E+00 0.0000E+00
    at coordinates: -1.5150E+00 1.9600E+01 7.4550E+00 ignored.
**WARNING-fx fy fz wind forces: -5.1293E-01 0.0000E+00 0.0000E+00
    at coordinates: -3.1935E+01 2.2700E+01 1.5895E+01 ignored.
3566. LOAD 15 LOADTYPE WIND TITLE WIND (+Z) IS875 RECT CLAD
3567. WIND LOAD Z 1 TYPE 3 YR 3.00001 30.0001
3568. LOAD 16 LOADTYPE WIND TITLE WIND (-Z) IS875 RECT CLAD
3569. WIND LOAD Z -1 TYPE 4 YR 3.00001 30.0001
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -3.8411E-01
    at coordinates: -4.0735E+01 4.1000E+00 1.0515E+01 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -6.0821E-01
    at coordinates: -4.0735E+01 7.2000E+00 1.0515E+01 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -2.0742E+00
    at coordinates: -4.1125E+01 7.2000E+00 6.9150E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -1.0371E+00
    at coordinates: -4.1125E+01 4.1000E+00 6.9150E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -3.2906E+00
    at coordinates: 2.5700E+00 7.2000E+00 3.4200E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -1.6453E+00
    at coordinates: 2.5700E+00 4.1000E+00 3.4200E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -5.5765E-01
    at coordinates: -4.0735E+01 1.0300E+01 1.0515E+01 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -3.5533E+00
    at coordinates: 2.5700E+00 1.0300E+01 3.4200E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -2.2428E+00
    at coordinates: -4.1125E+01 1.0300E+01 6.9150E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -6.9106E-01
    at coordinates: -4.0735E+01 1.3400E+01 1.0515E+01 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -3.7388E+00
    at coordinates: 2.5700E+00 1.3400E+01 3.4200E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -2.3567E+00
    at coordinates: -4.1125E+01 1.3400E+01 6.9150E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -7.4829E-01
    at coordinates: -4.0735E+01 1.6500E+01 1.0515E+01 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -4.8473E+00
    at coordinates: 2.5700E+00 1.6500E+01 3.4200E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -2.5519E+00
    at coordinates: -4.1125E+01 1.6500E+01 6.9150E+00 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -3.7462E-01
    at coordinates: -4.0735E+01 1.9600E+01 1.0515E+01 ignored.
**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -2.0268E+00
    at coordinates: 2.5700E+00 1.9600E+01 3.4200E+00 ignored.

```



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**WARNING-fx fy fz wind forces: 0.0000E+00 0.0000E+00 -1.2775E+00
 at coordinates: -4.1125E+01 1.9600E+01 6.9150E+00 ignored.
 3570. LOAD COMB 3 DL+LL
 3571. 1 1.0 2 1.0
 3572. LOAD COMB 4 1.5DL+1.5LL
 3573. 1 1.5 2 1.5
 3574. LOAD COMB 17 DL+RS(+X)
 3575. 1 1.0 9 1.0
 3576. LOAD COMB 18 DL+RS(-X)
 3577. 1 1.0 10 1.0
 3578. LOAD COMB 19 DL+RS(+Z)
 3579. 1 1.0 11 1.0
 3580. LOAD COMB 20 DL+RS(-Z)
 3581. 1 1.0 12 1.0
 3582. LOAD COMB 21 DL+WL(+X)
 3583. 1 1.0 13 1.0
 3584. LOAD COMB 22 DL+WL(-X)
 3585. 1 1.0 14 1.0
 3586. LOAD COMB 23 DL+WL(+Z)
 3587. 1 1.0 15 1.0
 3588. LOAD COMB 24 DL+WL(-Z)
 3589. 1 1.0 16 1.0
 3590. LOAD COMB 25 1.0DL+0.8LL+0.8RS(+X)
 3591. 1 1.0 9 0.8 2 0.8
 3592. LOAD COMB 26 1.0DL+0.8LL+0.8RS(-X)
 3593. 1 1.0 10 0.8 2 0.8
 3594. LOAD COMB 27 1.0DL+0.8LL+0.8RS(+Z)
 3595. 1 1.0 11 0.8 2 0.8
 3596. LOAD COMB 28 1.0DL+0.8LL+0.8RS(-Z)
 3597. 1 1.0 12 0.8 2 0.8
 3598. LOAD COMB 29 1.0DL+0.8LL+0.8WL(+X)
 3599. 1 1.0 2 0.8 13 0.8
 3600. LOAD COMB 30 1.0DL+0.8LL+0.8WL(-X)
 3601. 1 1.0 2 0.8 14 0.8
 3602. LOAD COMB 31 1.0DL+0.8LL+0.8WL(+Z)
 3603. 1 1.0 2 0.8 15 0.8
 3604. LOAD COMB 32 1.0DL+0.8LL+0.8WL(-Z)
 3605. 1 1.0 2 0.8 16 0.8
 3606. LOAD COMB 33 1.2DL+1.2LL+1.2RS(+X)
 3607. 1 1.2 2 1.2 9 1.2
 3608. LOAD COMB 34 1.2DL+1.2LL+1.2RS(-X)
 3609. 1 1.2 2 1.2 10 1.2
 3610. LOAD COMB 35 1.2DL+1.2LL+1.2RS(+Z)
 3611. 1 1.2 2 1.2 11 1.2
 3612. LOAD COMB 36 1.2DL+1.2LL+1.2RS(-Z)
 3613. 1 1.2 2 1.2 12 1.2
 3614. LOAD COMB 37 1.2DL+1.2LL+1.2WL(+X)
 3615. 1 1.2 2 1.2 13 1.2
 3616. LOAD COMB 38 1.2DL+1.2LL+1.2WL(-X)
 3617. 1 1.2 2 1.2 14 1.2
 3618. LOAD COMB 39 1.2DL+1.2LL+1.2WL(+Z)
 3619. 1 1.2 2 1.2 15 1.2
 3620. LOAD COMB 40 1.2DL+1.2LL+1.2WL(-Z)
 3621. 1 1.2 2 1.2 16 1.2
 3622. LOAD COMB 41 0.9DL+1.5RS(+X)
 3623. 1 0.9 9 1.5


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3624. LOAD COMB 42 0.9DL+1.5RS(-X)
3625. 1 0.9 10 1.5
3626. LOAD COMB 43 0.9DL+1.5RS(+Z)
3627. 1 0.9 11 1.5
3628. LOAD COMB 44 0.9DL+1.5RS(-Z)
3629. 1 0.9 12 1.5
3630. LOAD COMB 45 0.9DL+1.5WL(+X)
3631. 1 0.9 13 1.5
3632. LOAD COMB 46 0.9DL+1.5WL(-X)
3633. 1 0.9 14 1.5
3634. LOAD COMB 47 0.9DL+1.5WL(+Z)
3635. 1 0.9 15 1.5
3636. LOAD COMB 48 0.9DL+1.5WL(-Z)
3637. 1 0.9 16 1.5
3638. LOAD COMB 49 1.5DL+1.5RS(+X)
3639. 1 1.5 9 1.5
3640. LOAD COMB 50 1.5DL+1.5RS(-X)
3641. 1 1.5 10 1.5
3642. LOAD COMB 51 1.5DL+1.5RS(+Z)
3643. 1 1.5 11 1.5
3644. LOAD COMB 52 1.5DL+1.5RS(-Z)
3645. 1 1.5 12 1.5
3646. LOAD COMB 53 1.5DL+1.5WL(+X)
3647. 1 1.5 13 1.5
3648. LOAD COMB 54 1.5DL+1.5WL(-X)
3649. 1 1.5 14 1.5
3650. LOAD COMB 55 1.5DL+1.5WL(+Z)
3651. 1 1.5 15 1.5
3652. LOAD COMB 56 1.5DL+1.5WL(-Z)
3653. 1 1.5 16 1.5
3654. PERFORM ANALYSIS

```

PROBLEM STATISTICS

NUMBER OF JOINTS	3839	NUMBER OF MEMBERS	2424
NUMBER OF PLATES	2160	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	88

Using 64-bit analysis engine.

SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

TOTAL PRIMARY LOAD CASES = 14, TOTAL DEGREES OF FREEDOM = 17895
 TOTAL LOAD COMBINATION CASES = 42 SO FAR.

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


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

***NOTE: Equivalent Static Analysis should preferably be performed for regular
structures with approximate natural time period less than 0.4s and regular
structures with height less than 15m in Seismic Zone II. Ref C1.6.4.3 and 7.6
BASE SHEAR AND TIME PERIOD IN X

```
*****
* UNITS - KN    METE
* TIME PERIOD FOR X 1893 LOADING =    0.42000 SEC
* SA/G PER 1893=    2.500, LOAD FACTOR= 1.000
* VB PER 1893=    0.0400 X    53961.08=    2158.44 KN
* VB Act Based on Clause 7.2.1 =    2158.44 KN
* VB Min based on Clause 7.2.2 =    593.57 KN
*****
```

***NOTE: Equivalent Static Analysis should preferably be performed for regular
structures with approximate natural time period less than 0.4s and regular
structures with height less than 15m in Seismic Zone II. Ref C1.6.4.3 and 7.6
BASE SHEAR AND TIME PERIOD IN X

```
*****
* UNITS - KN    METE
* TIME PERIOD FOR X 1893 LOADING =    0.42000 SEC
* SA/G PER 1893=    2.500, LOAD FACTOR= -1.000
* VB PER 1893=    0.0400 X    53961.08=   -2158.44 KN
* VB Act Based on Clause 7.2.1 =   -2158.44 KN
* VB Min based on Clause 7.2.2 =   -593.57 KN
*****
```

***NOTE: Equivalent Static Analysis should preferably be performed for regular
structures with approximate natural time period less than 0.4s and regular
structures with height less than 15m in Seismic Zone II. Ref C1.6.4.3 and 7.6
BASE SHEAR AND TIME PERIOD IN Z

```
*****
* UNITS - KN    METE
* TIME PERIOD FOR Z 1893 LOADING =    0.24000 SEC
* SA/G PER 1893=    2.500, LOAD FACTOR= 1.000
* VB PER 1893=    0.0400 X    53961.08=    2158.44 KN
* VB Act Based on Clause 7.2.1 =    2158.44 KN
* VB Min based on Clause 7.2.2 =    593.57 KN
*****
```

***NOTE: Equivalent Static Analysis should preferably be performed for regular
structures with approximate natural time period less than 0.4s and regular
structures with height less than 15m in Seismic Zone II. Ref C1.6.4.3 and 7.6


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BASE SHEAR AND TIME PERIOD IN Z

```

*****
* UNITS - KN METE *
* TIME PERIOD FOR Z 1893 LOADING = 0.24000 SEC *
* SA/G PER 1893= 2.500, LOAD FACTOR=-1.000 *
* VB PER 1893= 0.0400 X 53961.08= -2158.44 KN *
* VB Act Based on Clause 7.2.1 = -2158.44 KN *
* VB Min based on Clause 7.2.2 = -593.57 KN *
* *
*****

```

EIGEN METHOD : SUBSPACE

```

-----
NUMBER OF MODES REQUESTED = 15
NUMBER OF EXISTING MASSES IN THE MODEL = 8179
NUMBER OF MODES THAT WILL BE USED = 15

```

*** EIGENSOLUTION: ADVANCED METHOD ***



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CALCULATED FREQUENCIES FOR LOAD CASE 9

MODE	FREQUENCY(CYCLES/SEC)	PERIOD(SEC)
1	0.830	1.20517
2	0.887	1.12680
3	1.109	0.90137
4	2.978	0.33670
5	3.459	0.28912
6	4.262	0.23465
7	6.044	0.16544
8	6.083	0.16440
9	6.389	0.15651
10	6.453	0.15497
11	6.760	0.14773
12	6.844	0.14612
13	7.190	0.13909
14	7.231	0.13829
15	7.252	0.13789

1893 RESPONSE SPECTRUM LOAD 9

RESPONSE LOAD CASE 9

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN			GENERALIZED WEIGHT
	X	Y	Z	
1	2.114876E+04	5.785492E-03	3.689179E+03	1.346493E+04
2	1.725331E+04	1.549416E-02	5.064470E+03	1.067611E+04
3	7.467571E+00	5.034813E-02	3.032022E+04	7.812876E+03
4	1.369746E+03	9.069060E-02	1.358607E+03	9.290833E+03
5	8.469728E+03	2.391994E-01	4.992625E+02	1.139355E+04
6	7.722623E+01	1.706832E-01	6.693326E+03	5.128438E+03
7	2.361576E+02	5.990480E+02	3.993705E+02	1.352884E+03
8	8.575091E+01	2.747177E+03	6.703064E+01	5.300338E+02
9	2.802554E+01	3.125342E+03	7.500060E+00	3.252364E+02
10	1.505623E-01	6.992988E+03	1.203298E+01	1.059010E+03
11	6.429489E+00	3.360497E+01	1.306348E+00	1.699274E+03
12	2.232394E+00	6.247970E+03	1.259495E-02	1.163336E+03
13	4.853057E+01	2.313856E+03	1.816203E+00	1.779686E+03
14	1.832130E+03	7.344464E+02	1.611339E+02	5.872587E+03
15	7.497708E+01	1.392939E+03	1.851865E+00	1.439954E+03


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CQC MODAL COMBINATION METHOD USED.
MISSING MASS METHOD USED.

DYNAMIC WEIGHT X Y Z 5.387336E+04 5.387336E+04 5.387336E+04 KN
MISSING WEIGHT X Y Z -3.232743E+03 -2.908542E+04 -5.596263E+03 KN
MODAL WEIGHT X Y Z 5.064062E+04 2.418794E+04 4.827710E+04 KN

RESPONSE LOAD CASE 9

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT		
		X	Y	Z
1	1.12847	0.0515	0.0000	0.0000
2	1.20695	0.0550	0.0000	0.0000
3	1.50881	0.0683	0.0000	0.0000
4	2.50000	0.1140	0.0000	0.0000
5	2.50000	0.1140	0.0000	0.0000
6	2.50000	0.1140	0.0000	0.0000
7	2.50000	0.1140	0.0000	0.0000
8	2.50000	0.1140	0.0000	0.0000
9	2.50000	0.1140	0.0000	0.0000
10	2.50000	0.1140	0.0000	0.0000
11	2.50000	0.1140	0.0000	0.0000
12	2.50000	0.1140	0.0000	0.0000
13	2.50000	0.1140	0.0000	0.0000
14	2.50000	0.1140	0.0000	0.0000
15	2.50000	0.1140	0.0000	0.0000

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
7	22.70	103.05	0.00	0.00
6	19.60	756.04	0.00	0.00
5	16.50	1176.72	0.00	0.00
4	13.40	1443.15	0.00	0.00
3	10.30	1692.98	0.00	0.00
2	7.20	1951.95	0.00	0.00
1	4.10	2144.02	0.00	0.00
BASE	0.00	2150.72	0.00	0.00


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MODE	ACCELERATION-G	DAMPING
-----	-----	-----
1	3.21614	0.05000
2	3.43962	0.05000
3	4.30011	0.05000
4	7.12500	0.05000
5	7.12500	0.05000
6	7.12500	0.05000
7	7.12500	0.05000
8	7.12500	0.05000
9	7.12500	0.05000
10	7.12500	0.05000
11	7.12500	0.05000
12	7.12500	0.05000
13	7.12500	0.05000
14	7.12500	0.05000
15	7.12500	0.05000

PEAK STORY SHEAR MIS

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN	INCLUDING MISSING MASS CORRECTION		
-----	-----	-----	-----	-----	-----
		X	Y	Z	
7	22.70	103.33	0.00	0.00	
6	19.60	756.26	0.00	0.00	
5	16.50	1177.14	0.00	0.00	
4	13.40	1444.09	0.00	0.00	
3	10.30	1693.10	0.00	0.00	
2	7.20	1953.95	0.00	0.00	
1	4.10	2145.40	0.00	0.00	
BASE	0.00	2161.38	0.00	0.00	
ZPA		4.14545			
ZPAFREQ		33.00000			


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MODAL BASE ACTIONS

MODAL BASE ACTIONS		FORCES IN KN			LENGTH IN METE		
MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN		
					MX	MY	MZ
1	1.205	1088.28	0.57	-454.53	-6680.34	855.69	-16554.20
2	1.127	949.57	0.90	514.47	7527.51	17420.06	-14239.31
3	0.901	0.51	-0.04	-32.74	-498.70	-624.90	-4.88
4	0.337	156.15	-1.27	-155.51	-68.85	-1642.20	-281.67
5	0.289	965.55	-5.13	234.43	287.98	11799.30	-2593.56
6	0.235	8.80	0.41	-81.96	-111.55	-1421.55	-58.41
7	0.165	26.92	42.88	-35.01	-795.39	-370.33	-1272.41
8	0.164	9.78	-55.33	-8.64	611.36	-64.16	1117.64
9	0.157	3.19	33.74	-1.65	-77.33	-8.19	-21.69
10	0.155	0.02	-3.70	-0.15	14.73	-2.44	99.57
11	0.148	0.73	1.68	-0.33	-11.47	0.98	120.62
12	0.146	0.25	-13.46	0.02	126.48	2.71	84.90
13	0.139	5.53	-38.20	1.07	282.54	70.20	-132.87
14	0.138	208.86	132.24	61.94	-1145.53	3021.31	-4152.39
15	0.138	8.55	-36.84	1.34	132.04	103.37	1270.22

PARTICIPATION FACTORS

MASS PARTICIPATION FACTORS IN PERCENT							BASE SHEAR IN KN		
MODE	X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	X	Y	Z
1	39.26	0.00	6.85	39.256	0.000	6.848	1088.28	0.00	0.00
2	32.03	0.00	9.40	71.282	0.000	16.249	949.57	0.00	0.00
3	0.01	0.00	56.28	71.296	0.000	72.529	0.51	0.00	0.00
4	2.54	0.00	2.52	73.838	0.000	75.051	156.15	0.00	0.00
5	15.72	0.00	0.93	89.560	0.001	75.978	965.55	0.00	0.00
6	0.14	0.00	12.42	89.703	0.001	88.402	8.80	0.00	0.00
7	0.44	1.11	0.74	90.142	1.113	89.143	26.92	0.00	0.00
8	0.16	5.10	0.12	90.301	6.212	89.268	9.78	0.00	0.00
9	0.05	5.80	0.01	90.353	12.014	89.281	3.19	0.00	0.00
10	0.00	12.98	0.02	90.353	24.994	89.304	0.02	0.00	0.00
11	0.01	0.06	0.00	90.365	25.056	89.306	0.73	0.00	0.00
12	0.00	11.60	0.00	90.360	36.654	89.306	0.25	0.00	0.00
13	0.09	4.29	0.00	90.459	40.949	89.310	5.53	0.00	0.00
14	3.40	1.36	0.30	93.860	42.312	89.609	208.86	0.00	0.00
15	0.14	2.59	0.00	93.999	44.898	89.612	8.55	0.00	0.00
ZPA	6.00	0.00	0.00	100.000	0.000	0.000	214.42	0.00	0.00
TOTAL SRSS SHEAR							1770.12	0.00	0.00
TOTAL 10PCT SHEAR							2281.95	0.00	0.00
TOTAL ABS SHEAR							3647.13	0.00	0.00
TOTAL CSM SHEAR							2518.08	0.00	0.00
TOTAL CQC SHEAR							2161.38	0.00	0.00

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

STAAD SPACE

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*****
* UNITS - KN    METE                      *
* TIME PERIOD FOR X 1893 LOADING =    0.42000 SEC      *
* SA/G PER 1893=    2.500, LOAD FACTOR= 1.000          *
* FACTOR V PER 1893=    0.0400 X 53961.08             *
* VB Min based on Clause 7.2.2 =    593.57             *
*****

```

1893 RESPONSE SPECTRUM LOAD 10

RESPONSE LOAD CASE 10

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN			GENERALIZED WEIGHT
	X	Y	Z	
1	2.114876E+04	5.785492E-03	3.689179E+03	1.346493E+04
2	1.725331E+04	1.549416E-02	5.064470E+03	1.067611E+04
3	7.467571E+00	5.034813E-02	3.032022E+04	7.812876E+03
4	1.369746E+03	9.065060E-02	1.358607E+03	9.290833E+03
5	8.469728E+03	2.391994E-01	4.992625E+02	1.239355E+04
6	7.722623E+01	1.706832E-01	6.693326E+03	5.128438E+03
7	2.361576E+02	5.998488E+02	3.993705E+02	1.352884E+03
8	8.575091E+01	2.747177E+03	6.703064E+01	5.300338E+02
9	2.802554E+01	3.125342E+03	7.500860E+00	3.252364E+02
10	1.505623E-01	6.992988E+03	1.203298E+01	1.059010E+03
11	6.429489E+00	3.360497E+01	1.306348E+00	1.699274E+03
12	2.232394E+00	6.247970E+03	1.259495E-02	1.163336E+03
13	4.853057E+01	2.313856E+03	1.816203E+00	1.779686E+03
14	1.832130E+03	7.344464E+02	1.611139E+02	5.872587E+03
15	7.497708E+01	1.392939E+03	1.851865E+00	1.439954E+03

CQC MODAL COMBINATION METHOD USED.
MISSING MASS METHOD USED.

DYNAMIC WEIGHT X Y Z 5.387336E+04 5.387336E+04 5.387336E+04 KN
MISSING WEIGHT X Y Z -3.232743E+03 -2.968542E+04 -5.596263E+03 KN
MODAL WEIGHT X Y Z 5.064062E+04 2.418794E+04 4.827710E+04 KN

RESPONSE LOAD CASE 10


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

STAAD SPACE

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MODE	SPECTRAL ACCELERATION	DESIGN	SEISMIC	COEFFICIENT
----	-----	-----	-----	-----
		X	Y	Z
1	1.12847	-0.0515	0.0000	0.0000
2	1.20695	-0.0550	0.0000	0.0000
3	1.50001	-0.0688	0.0000	0.0000
4	2.50000	-0.1140	0.0000	0.0000
5	2.50000	-0.1140	0.0000	0.0000
6	2.50000	-0.1140	0.0000	0.0000
7	2.50000	-0.1140	0.0000	0.0000
8	2.50000	-0.1140	0.0000	0.0000
9	2.50000	-0.1140	0.0000	0.0000
10	2.50000	-0.1140	0.0000	0.0000
11	2.50000	-0.1140	0.0000	0.0000
12	2.50000	-0.1140	0.0000	0.0000
13	2.50000	-0.1140	0.0000	0.0000
14	2.50000	-0.1140	0.0000	0.0000
15	2.50000	-0.1140	0.0000	0.0000

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
-----	-----	-----	-----	-----
		X	Y	Z
7	22.70	103.05	0.00	0.00
6	19.60	756.04	0.00	0.00
5	16.50	1176.72	0.00	0.00
4	13.40	1443.15	0.00	0.00
3	10.30	1692.98	0.00	0.00
2	7.20	1951.95	0.00	0.00
1	4.10	2144.02	0.00	0.00
BASE	0.00	2150.72	0.00	0.00

MODE	ACCELERATION-G	DAMPING
----	-----	-----
1	3.21614	0.05000
2	3.43982	0.05000
3	4.30011	0.05000
4	7.12500	0.05000
5	7.12500	0.05000
6	7.12500	0.05000
7	7.12500	0.05000
8	7.12500	0.05000
9	7.12500	0.05000
10	7.12500	0.05000
11	7.12500	0.05000
12	7.12500	0.05000
13	7.12500	0.05000


 V. JAGEN, B.E./M.E. (Struct), M.I.E., A.I.V.,
 CMDA REGN NOS-
 SE / GR-1 / 2019/03/024, QA/2019/04/021
 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 630 119.
 Mobile: 9841269154

STAAD SPACE

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MODE	ACCELERATION-G	DAMPING
----	-----	-----
14	7.12500	0.05000
15	7.12500	0.05000

PEAK STORY SHEAR MIS

STORY	LEVEL IN METER	PEAK STORY SHEAR IN KN	INCLUDING MISSING MASS CORRECTION		
----	-----	-----	X	Y	Z
7	22.78	103.33		0.00	0.00
6	19.60	756.26		0.00	0.00
5	16.50	1177.14		0.00	0.00
4	13.40	1444.09		0.00	0.00
3	10.30	1693.10		0.00	0.00
2	7.20	1953.95		0.00	0.00
1	4.10	2145.40		0.00	0.00
BASE	0.00	2161.38		0.00	0.00
ZPA		4.14545			
ZPAFREQ		33.00000			



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

STAAD SPACE

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MODAL BASE ACTIONS

MODAL BASE ACTIONS		FORCES IN KN			LENGTH IN METE		
MODE	PERIOD	FX	FY	FZ	MX	MY	NZ
1	1.205	-1088.28	-0.57	454.53	6680.34	-855.69	16554.29
2	1.127	-949.57	-0.90	-514.47	-7527.51	-17420.06	14239.31
3	0.901	-0.51	0.04	32.74	498.70	624.90	4.88
4	0.337	-156.15	1.27	155.51	68.85	1642.20	281.67
5	0.289	-965.55	5.13	-234.43	-207.98	-11799.30	2593.56
6	0.235	-8.80	-0.41	81.96	131.55	1421.55	58.41
7	0.165	-26.92	-42.88	35.01	795.39	370.33	1272.41
8	0.164	-9.78	55.33	0.64	-611.36	64.16	-1117.64
9	0.157	-3.19	-33.74	1.65	77.33	0.19	21.69
10	0.155	-0.02	3.70	0.15	-14.73	2.44	-99.57
11	0.148	-0.73	-1.68	0.33	11.47	-0.98	-120.62
12	0.146	-0.25	13.46	-0.02	-126.48	-2.71	-84.90
13	0.139	-5.53	30.20	-1.07	-202.54	-70.20	132.87
14	0.138	-208.86	-132.24	-61.94	1145.53	-3021.31	4152.39
15	0.138	-8.55	36.84	-1.34	-132.04	-103.37	-1270.22

PARTICIPATION FACTORS

MASS PARTICIPATION FACTORS IN PERCENT							BASE SHEAR IN KN		
MODE	X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	X	Y	Z
1	39.26	0.00	6.85	39.256	0.000	6.848	-1088.28	0.00	0.00
2	32.03	0.00	9.40	71.282	0.000	16.249	-949.57	0.00	0.00
3	0.01	0.00	56.28	71.296	0.000	72.529	-0.51	0.00	0.00
4	2.54	0.00	2.52	73.838	0.000	75.051	-156.15	0.00	0.00
5	15.72	0.00	0.93	89.560	0.001	75.978	-965.55	0.00	0.00
6	0.14	0.00	12.42	89.703	0.001	88.402	-8.80	0.00	0.00
7	0.44	1.11	0.74	90.142	1.113	89.143	-26.92	0.00	0.00
8	0.16	5.10	0.12	90.301	6.212	89.268	-9.78	0.00	0.00
9	0.05	5.80	0.01	90.353	12.014	89.281	-3.19	0.00	0.00
10	0.00	12.98	0.02	90.353	24.994	89.304	-0.02	0.00	0.00
11	0.01	0.06	0.00	90.365	25.056	89.306	-0.73	0.00	0.00
12	0.00	11.60	0.00	90.365	36.654	89.306	-0.25	0.00	0.00
13	0.09	4.29	0.00	90.459	40.949	89.310	-5.53	0.00	0.00
14	3.40	1.36	0.30	93.860	42.312	89.609	-208.86	0.00	0.00
15	0.14	2.59	0.00	93.999	44.898	89.612	-8.55	0.00	0.00
ZPA	6.00	0.00	0.00	100.000	0.000	0.000	-214.42	0.00	0.00
TOTAL SRSS SHEAR							-1770.12	0.00	0.00
TOTAL 10PCT SHEAR							-2201.95	0.00	0.00
TOTAL ABS SHEAR							-3647.13	0.00	0.00
TOTAL CSM SHEAR							-2510.00	0.00	0.00
TOTAL CQC SHEAR							-2161.38	0.00	0.00

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

STAAD SPACE

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10	2.50000	0.0000	0.0000	0.1040
11	2.50000	0.0000	0.0000	0.1040
12	2.50000	0.0000	0.0000	0.1040
13	2.50000	0.0000	0.0000	0.1040
14	2.50000	0.0000	0.0000	0.1040
15	2.50000	0.0000	0.0000	0.1040

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
7	22.70	0.00	0.00	103.06
6	19.60	0.00	0.00	709.55
5	16.50	0.00	0.00	1179.45
4	13.40	0.00	0.00	1508.80
3	10.30	0.00	0.00	1783.00
2	7.20	0.00	0.00	2007.01
1	4.10	0.00	0.00	2129.73
BASE	0.00	0.00	0.00	2134.06

MODE	ACCELERATION-G	DAMPING
1	2.93402	0.05000
2	3.13808	0.05000
3	3.92291	0.05000
4	6.50000	0.05000
5	6.50000	0.05000
6	6.50000	0.05000
7	6.50000	0.05000
8	6.50000	0.05000
9	6.50000	0.05000
10	6.50000	0.05000
11	6.50000	0.05000
12	6.50000	0.05000
13	6.50000	0.05000
14	6.50000	0.05000
15	6.50000	0.05000



V. JAGEN, B.E., M.E. (Struct), M.I.E., A.I.V.,
CMDA REGN NOS-
SE / GR-1 / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

STAAD SPACE

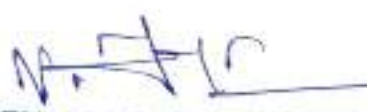
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PEAK STORY SHEAR MIS

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN	INCLUDING MISSING MASS CORRECTION		
-----	-----	-----	-----	-----	-----
		X	Y	Z	
7	22.70	0.00	0.00	104.05	
6	19.60	0.00	0.00	711.49	
5	16.50	0.00	0.00	1179.85	
4	13.40	0.00	0.00	1509.42	
3	10.30	0.00	0.00	1786.50	
2	7.20	0.00	0.00	2008.06	
1	4.10	0.00	0.00	2139.98	
BASE	0.00	0.00	0.00	2160.76	
ZPA		3.78182			
ZPAFREQ		33.00000			

MODAL BASE ACTIONS

MODAL BASE ACTIONS		FORCES IN KN			LENGTH IN METE		
MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN		
					NX	MY	NZ
1	1.205	-414.66	-0.22	173.19	2545.36	-326.04	6307.53
2	1.127	469.34	0.44	254.20	3720.58	0610.11	-7037.99
3	0.901	-29.87	2.45	1903.09	28989.88	36325.56	283.81
4	0.337	-141.87	1.15	141.30	62.55	1492.04	255.92
5	0.209	213.86	-1.14	51.92	63.79	2613.45	-574.45
6	0.235	-74.77	-3.52	696.11	1117.27	12073.39	496.09
7	0.165	-31.94	-50.87	41.53	943.62	439.34	1509.53
8	0.164	-7.88	44.63	6.97	-493.11	51.75	-901.46
9	0.157	-1.51	-15.92	0.78	36.50	0.09	10.24
10	0.155	-0.14	30.17	1.25	-120.13	19.92	-812.09
11	0.148	-0.30	-0.69	0.14	4.72	-0.40	-49.60
12	0.146	0.02	-0.02	0.00	8.67	0.10	5.82
13	0.139	0.98	-6.74	0.19	49.86	12.39	-23.45
14	0.138	56.50	35.78	16.76	-309.90	817.36	-1123.35
15	0.138	1.23	-5.28	0.19	18.93	14.82	182.12


 V. JAGEN, B.E., M.E., (Struct), M.I.E., A.I.V.,
 CMDA REGN NOS-
 SE / GR-1 / 2019/03/024, QA/2019/04/021
 CHARTERED ENGINEER & APPROVED VALUER
 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119.
 Mobile: 9841269154

STAAD SPACE

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PARTICIPATION FACTORS

MASS PARTICIPATION FACTORS IN PERCENT							BASE SHEAR IN KN		
MODE	X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	X	Y	Z
1	39.26	0.00	6.85	39.256	0.000	6.848	0.00	0.00	173.19
2	32.03	0.00	9.40	71.282	0.000	16.240	0.00	0.00	254.28
3	0.01	0.00	56.28	71.296	0.000	72.529	0.00	0.00	1903.09
4	2.54	0.00	2.52	73.838	0.000	75.051	0.00	0.00	141.30
5	15.72	0.00	0.93	89.560	0.001	75.978	0.00	0.00	51.92
6	0.14	0.00	12.42	89.703	0.001	88.482	0.00	0.00	696.11
7	0.44	1.11	0.74	90.142	1.113	89.143	0.00	0.00	41.53
8	0.16	5.10	0.12	90.301	6.212	89.268	0.00	0.00	5.97
9	0.05	5.80	0.01	90.353	12.014	89.281	0.00	0.00	0.78
10	0.00	12.98	0.02	90.353	24.994	89.304	0.00	0.00	1.25
11	0.01	0.06	0.00	90.365	25.056	89.306	0.00	0.00	0.14
12	0.00	11.60	0.00	90.369	36.654	89.306	0.00	0.00	0.00
13	0.09	4.29	0.00	90.459	40.949	89.310	0.00	0.00	0.19
14	3.40	1.30	0.30	93.860	42.312	89.609	0.00	0.00	16.76
15	0.14	2.59	0.00	93.999	44.898	89.612	0.00	0.00	0.19
ZPA	0.00	0.00	10.39	0.000	0.000	100.000	0.00	0.00	338.62
TOTAL SRSS SHEAR							0.00	0.00	2083.35
TOTAL 10PCT SHEAR							0.00	0.00	2104.58
TOTAL ABS SHEAR							0.00	0.00	3626.32
TOTAL CSM SHEAR							0.00	0.00	2118.72
TOTAL CQC SHEAR							0.00	0.00	2160.76

 * UNITS - KN METE *
 * TIME PERIOD FOR 2 1893 LOADING = 0.24000 SEC *
 * SA/G PER 1893= 2.500, LOAD FACTOR= 1.000 *
 * FACTOR V PER 1893= 0.0400 X 53961.08 *
 * VB Min based on Clause 7.2.2 = 593.57 *

1893 RESPONSE SPECTRUM LOAD 12

RESPONSE LOAD CASE 12

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN			GENERALIZED WEIGHT
	X	Y	Z	
1	2.114876E+04	5.785492E-03	3.689179E+03	1.346493E+04
2	1.725331E+04	1.549416E-02	5.064470E+03	1.067611E+04


 V. JAGEN, B.E.(Mech), (Struct), M.E., A.I.V.
 CMCAREGN COS.
 SE / CH 1 / 7019/03/024, QM/2019/04/021
 CHARTERED ENGINEER & APPROVED VALUER
 3-D, RAMANIYAM GALRAVY - 2
 BLDCK 2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119.
 Mobile: 9841250164

STAAD SPACE

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3	7.467571E+00	5.034813E-02	3.032022E+04	7.812876E+03
4	1.369746E+03	9.069060E-02	1.358607E+03	9.290833E+03
5	8.469728E+03	2.391994E-01	4.992625E+02	1.239355E+04
6	7.722623E+01	1.706832E-01	6.693326E+03	5.128438E+03
7	2.361576E+02	5.990480E+02	3.993705E+02	1.352884E+03
8	8.575091E+01	2.747177E+03	6.703064E+01	5.300338E+02
9	2.002554E+01	3.125342E+03	7.500860E+00	3.252364E+02
10	1.505623E-01	6.992988E+03	1.203298E+01	1.059010E+03
11	6.429489E+00	3.360497E+01	1.306348E+00	1.699274E+03
12	2.232394E+00	6.247970E+03	1.259495E-02	1.163336E+03
13	4.853057E+01	2.313856E+03	1.816203E+00	1.779686E+03
14	1.832130E+03	7.344464E+02	1.611139E+02	5.872587E+03
15	7.497708E+01	1.392939E+03	1.851865E+00	1.439954E+03

CQC MODAL COMBINATION METHOD USED,
MISSING MASS METHOD USED.

DYNAMIC WEIGHT X Y Z 5.387336E+04 5.387336E+04 5.387336E+04 KN
MISSING WEIGHT X Y Z -3.232743E+03 -2.968542E+04 -5.596263E+03 KN
MODAL WEIGHT X Y Z 5.064062E+04 2.418794E+04 4.827710E+04 KN

RESPONSE LOAD CASE 12

MODE	SPECTRAL ACCELERATION	DESIGN	SEISMIC	COEFFICIENT
		X	Y	Z
1	1.12847	0.0000	0.0000	-0.0469
2	1.20695	0.0000	0.0000	-0.0502
3	1.50881	0.0000	0.0000	-0.0628
4	2.50000	0.0000	0.0000	-0.1040
5	2.50000	0.0000	0.0000	-0.1040
6	2.50000	0.0000	0.0000	-0.1040
7	2.50000	0.0000	0.0000	-0.1040
8	2.50000	0.0000	0.0000	-0.1040
9	2.50000	0.0000	0.0000	-0.1040
10	2.50000	0.0000	0.0000	-0.1040
11	2.50000	0.0000	0.0000	-0.1040
12	2.50000	0.0000	0.0000	-0.1040
13	2.50000	0.0000	0.0000	-0.1040
14	2.50000	0.0000	0.0000	-0.1040
15	2.50000	0.0000	0.0000	-0.1040


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CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVY - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile 9841269154

STAAD SPACE

-- PAGE NO. 86

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
7	22.70	0.00	0.00	183.06
6	19.60	0.00	0.00	789.55
5	16.50	0.00	0.00	1179.45
4	13.40	0.00	0.00	1508.80
3	10.30	0.00	0.00	1783.00
2	7.20	0.00	0.00	2007.01
1	4.10	0.00	0.00	2129.73
BASE	0.00	0.00	0.00	2134.06

MODE	ACCELERATION-G	DAMPING
1	2.93402	0.05000
2	3.13808	0.05000
3	3.91291	0.05000
4	6.50000	0.05000
5	6.50000	0.05000
6	6.50000	0.05000
7	6.50000	0.05000
8	6.50000	0.05000
9	6.50000	0.05000
10	6.50000	0.05000
11	6.50000	0.05000
12	6.50000	0.05000
13	6.50000	0.05000
14	6.50000	0.05000
15	6.50000	0.05000

PEAK STORY SHEAR MIS

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN INCLUDING MISSING MASS CORRECTION		
		X	Y	Z
7	22.70	0.00	0.00	184.05
6	19.60	0.00	0.00	711.49
5	16.50	0.00	0.00	1179.85
4	13.40	0.00	0.00	1509.42
3	10.30	0.00	0.00	1786.50
2	7.20	0.00	0.00	2008.06
1	4.10	0.00	0.00	2139.98
BASE	0.00	0.00	0.00	2160.76


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 3-B, RAMANIYAM GAURAVV - 2
 BLOCK-2, MODEL SCHOOL ROAD
 SHOLINGANALLUR, CHENNAI - 600 119.
 Mobile: 9841269154

STAAD SPACE

-- PAGE NO. 87

ZPA 3.78182
ZPAFREQ 33.00000

MODAL BASE ACTIONS

MODAL BASE ACTIONS		FORCES IN KN			LENGTH IN METE		
MODE	PERIOD	FX	FY	FZ	MOMENTS MX	ARE ABOUT THE MY	ORIGIN MZ
1	1.205	414.66	0.22	-173.19	-2545.36	326.04	-6307.53
2	1.127	-469.34	-0.44	-254.28	-3720.58	-8610.11	7037.99
3	0.901	29.87	-2.45	-1903.09	-28989.88	-36325.56	-283.81
4	0.337	141.87	-1.15	-141.30	-62.55	-1492.04	-255.92
5	0.289	-213.86	1.14	-51.92	-63.79	-2613.45	574.45
6	0.235	74.77	3.52	-696.11	-1117.27	-12073.39	-496.09
7	0.165	31.94	50.87	-41.53	-943.62	-439.34	-1509.53
8	0.164	7.88	-44.63	-6.97	493.11	-51.75	901.46
9	0.157	1.51	15.92	-0.78	-36.50	-0.09	-10.24
10	0.155	0.14	-30.17	-1.25	120.13	-19.92	812.09
11	0.148	0.30	0.69	-0.14	-4.72	0.40	49.60
12	0.146	-0.02	0.92	-0.00	-8.67	-0.19	-5.82
13	0.139	-0.98	6.74	-0.19	-49.86	-12.39	23.45
14	0.138	-56.50	-35.78	-16.76	309.90	-817.36	1123.35
15	0.138	-1.23	5.28	-0.19	-18.93	-14.82	-182.12


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STAAD SPACE

-- PAGE NO. 88

PARTICIPATION FACTORS

MASS PARTICIPATION FACTORS IN PERCENT							BASE SHEAR IN KN		
MODE	X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	X	Y	Z
1	39.26	0.00	6.85	39.256	0.000	6.848	0.00	0.00	-173.19
2	32.03	0.00	9.40	71.282	0.000	16.249	0.00	0.00	-254.28
3	0.01	0.00	56.28	71.296	0.000	72.529	0.00	0.00	-1903.09
4	2.54	0.00	2.52	73.838	0.000	75.051	0.00	0.00	-141.30
5	15.72	0.00	0.93	89.560	0.001	75.978	0.00	0.00	-51.92
6	0.14	0.00	12.42	89.703	0.001	88.402	0.00	0.00	-696.11
7	0.44	1.11	0.74	90.142	1.113	89.143	0.00	0.00	-41.53
8	0.16	5.10	0.12	90.301	6.212	89.268	0.00	0.00	-6.97
9	0.05	5.88	0.01	90.353	12.014	89.281	0.00	0.00	-0.78
10	0.00	12.90	0.02	90.353	24.994	89.304	0.00	0.00	-1.25
11	0.01	0.06	0.00	90.365	25.056	89.306	0.00	0.00	-0.14
12	0.00	11.60	0.00	90.369	36.654	89.306	0.00	0.00	-0.00
13	0.09	4.29	0.00	90.459	40.949	89.310	0.00	0.00	-0.19
14	3.40	1.36	0.30	93.860	42.312	89.609	0.00	0.00	-16.76
15	0.14	2.59	0.00	93.000	44.898	89.612	0.00	0.00	-0.19
ZPA	0.00	0.00	10.39	0.000	0.000	100.000	0.00	0.00	-338.62
TOTAL SRSS SHEAR							0.00	0.00	-2083.35
TOTAL 10PCT SHEAR							0.00	0.00	-2104.58
TOTAL ABS SHEAR							0.00	0.00	-3626.32
TOTAL CSM SHEAR							0.00	0.00	-2118.72
TOTAL CQC SHEAR							0.00	0.00	-2160.76

3655. DEFINE ENVELOPE
 3656. 3 17 TO 32 ENVELOPE 1 TYPE SERVICEABILITY
 3657. 4 33 TO 56 ENVELOPE 2 TYPE STRENGTH
 3658. END DEFINE ENVELOPE
 3659. PRINT DIA CR
 DIA CR


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STAAD SPACE

-- PAGE NO. 89

CENTRE OF RIGIDITY UNIT - METE

DIAPHRAM	FL. LEVEL	X-COORDINATE	Z-COORDINATE
1	4.100	-23.011	7.111
2	7.200	-22.686	7.068
3	10.300	-22.333	7.181
4	13.400	-22.009	7.346
5	16.500	-21.716	7.526
6	19.600	-21.477	7.679
7	22.700	-21.542	7.698

3660, FINISH


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 Mobile: 9841269154

STAAD SPACE

-- PAGE NO. 98

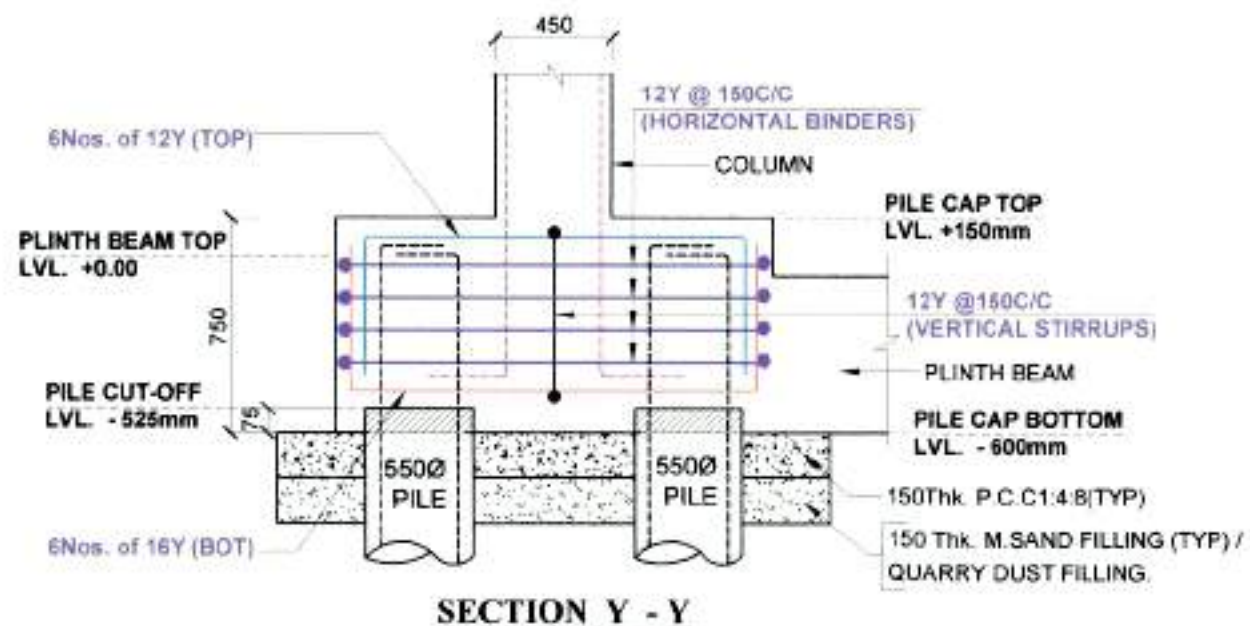
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**** DATE= NOV 26,2025 TIME= 10:27: 9 ****

* For technical assistance on STAAD.Pro, please visit *
* <http://www.bentley.com/en/support/> *
* *
* Details about additional assistance from *
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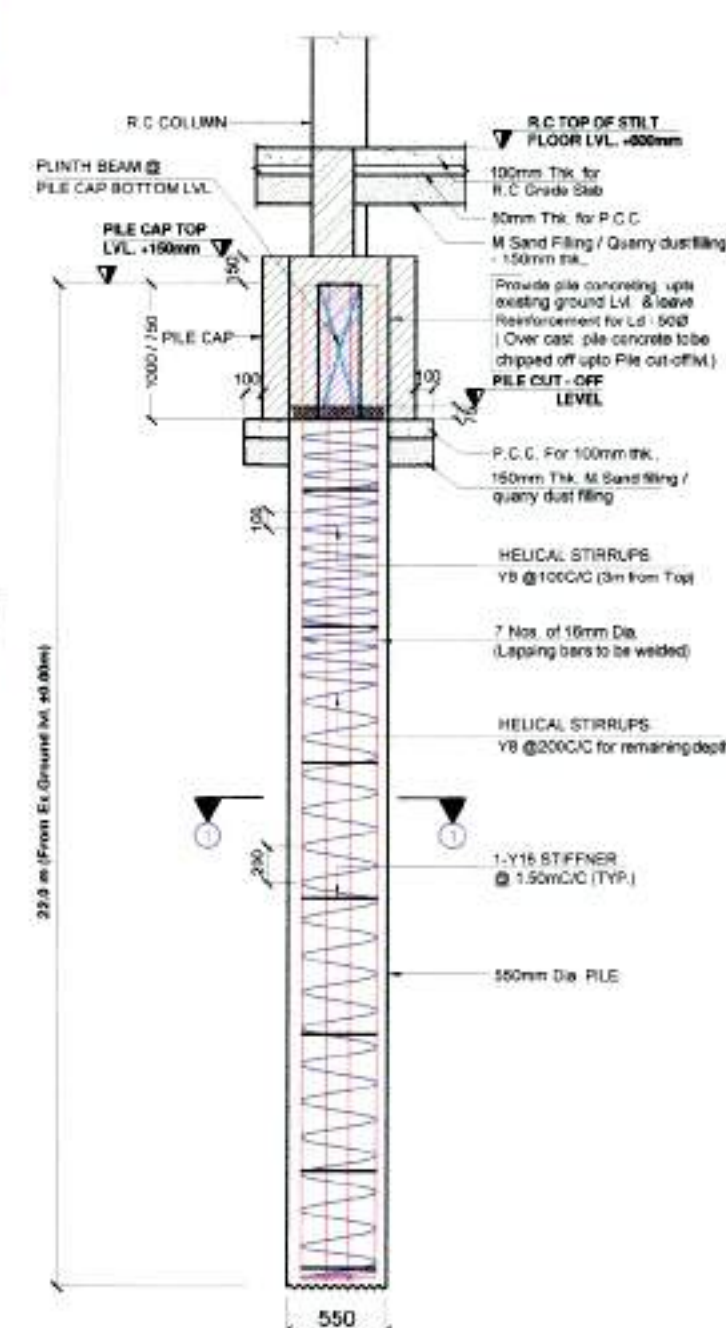
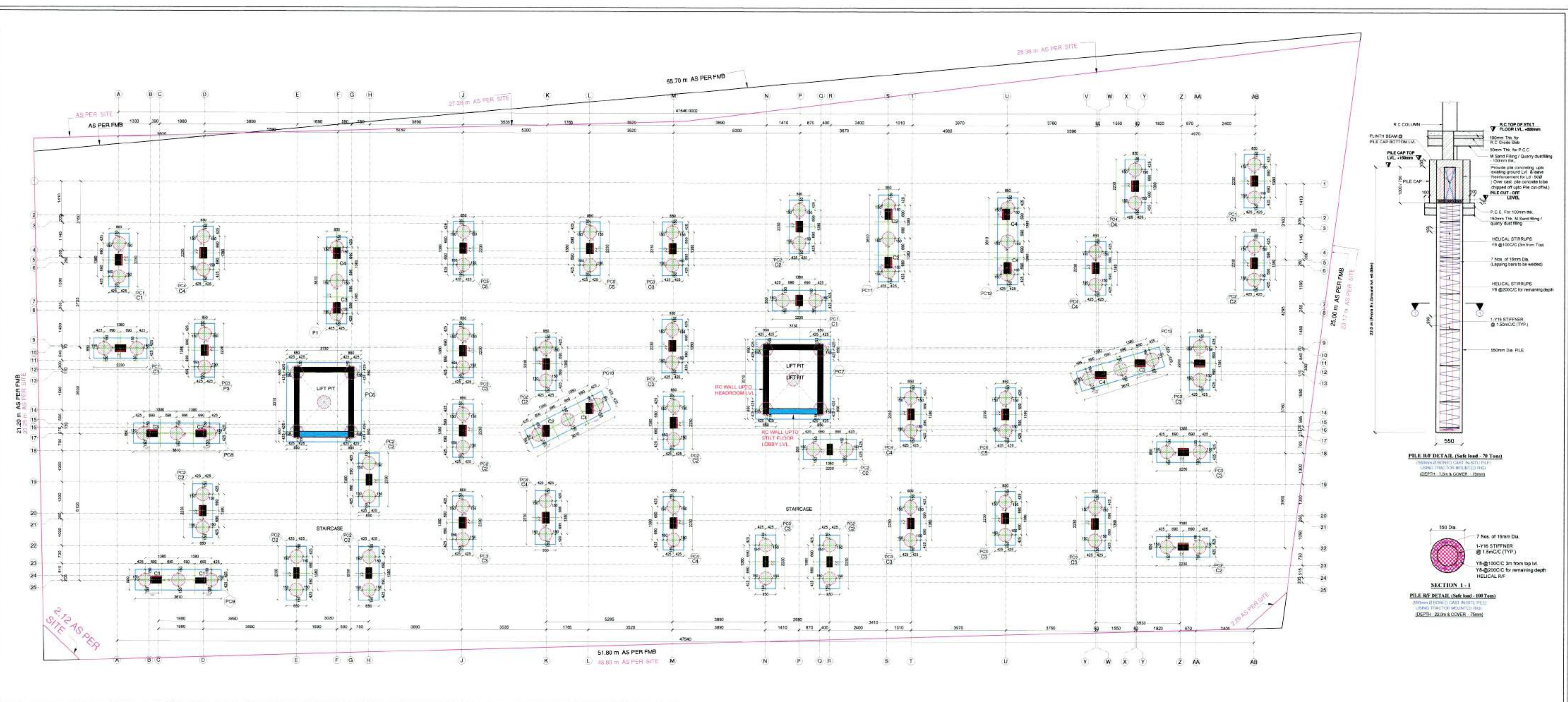


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BLOCK-2, MODEL SCHOOL ROAD
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Mobile: 9841269154

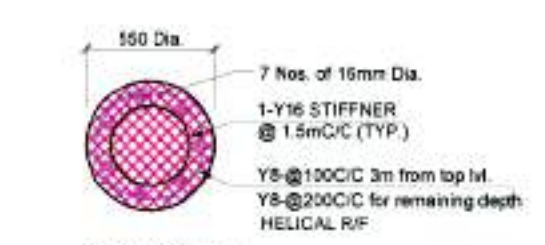
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SIGNATURE :

V. JAGEN, B.E.M.E. (Struct), M.I.E., A.I.V.
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SE / GR-I / 2019/03/024, QA/2019/04/021
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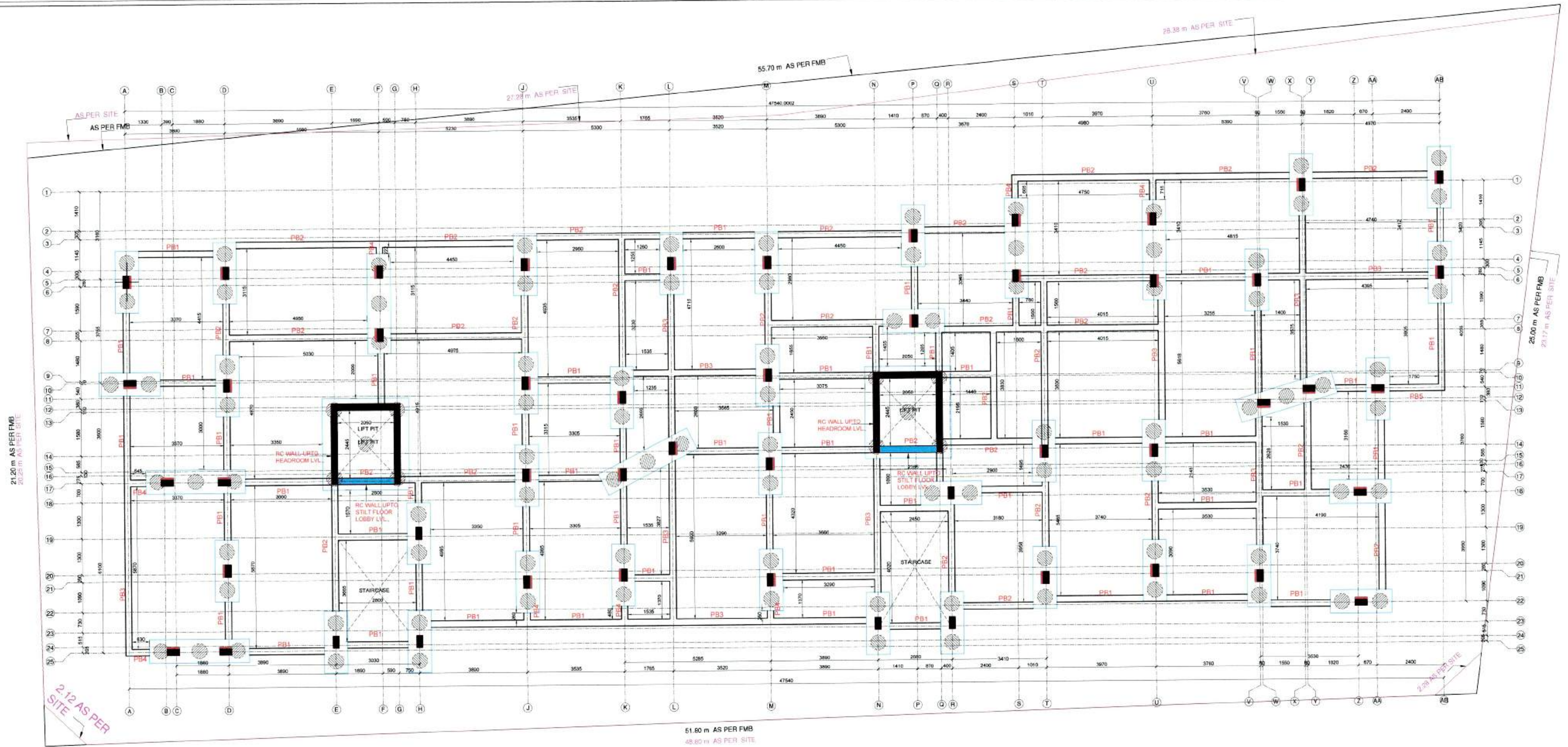


PILE RF DETAIL (Safe load - 70 Tons)
(550mm Ø BORED CAST IN-SITU PILE)
USING TRACTOR MOUNTED DRILL
(DEPTH - 22.0m & COVER - 75mm)



SECTION 1-1
PILE RF DETAIL (Safe load - 100 Tons)
(550mm Ø BORED CAST IN-SITU PILE)
USING TRACTOR MOUNTED DRILL
(DEPTH - 22.0m & COVER - 75mm)

PROJECT TITLE : PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS WITH TOD BENEFIT AT NEW DOOR NO. 12, OLD DOOR NO. 52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI GANESAN SALAI, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD S.NOS. 120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S.NO.6468 AND T.S.NO.6469 AS PER PATTI, BLOCK NO. 140, THIYAGARAYA NAGAR VILLAGE, GUINDY TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE - IX, DIVISION -117.	NOTES ● REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 FOR COLUMN & ALL OTHER R.C.C. WORKS. ● ALL REINFORCEMENTS ARE OF Fe550 GRADE. ● CLEAR COVER TO MAIN REINFORCEMENT SHALL BE (i) SLAB 20mm (ii) COLUMN 40mm (iii) BEAM 25mm (iv) R.C. WALL 25mm (v) PILE 75mm ● LAP LENGTH SHALL BE 50 x DIA OF THE BAR	STILT-5 NORTH POINT	DRAWING TITLE : PILE LAYOUT	SIGNATURE : <i>[Signature]</i> V. JAGEN, B.E., M.B., M.A.S., M.C.A., M.C.E., M.C.S., M.C.T., M.C.U., M.C.V., M.C.W., M.C.X., M.C.Y., M.C.Z., M.C.AA, M.C.AB SE / GR-1 / 2019/03/024, QA/2019/04/021 CHARTERED ENGINEER & APPROVED VALUER 3-B, RAMANIYAM GAURAVY - 2 BLOCK-2, MODEL SCHOOL ROAD SHOLINGANALLUR, CHENNAI - 600 119 Mobile: 9841269154
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PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT - 18.30 m) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS WITH TOD BENEFIT AT NEW DOOR NO. 12, OLD DOOR NO. 52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI GANESAN SALAI, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD S.NOS. 120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S.NO. 6468 AND T.S.NO. 6469 AS PER PATTI, BLOCK NO. 140, THIYAGARAYA NAGAR VILLAGE, GUINDY TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE - IX, DIVISION - 117.

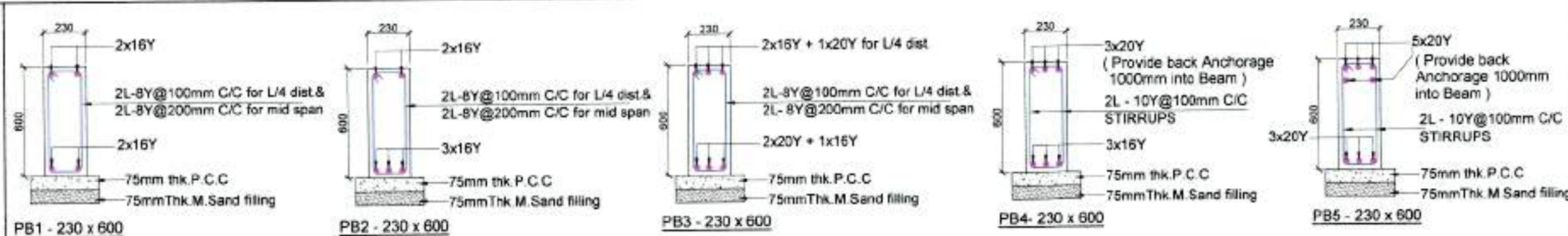
NOTES

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 FOR COLUMN & ALL OTHER R.C.C. WORKS.
- ALL REINFORCEMENTS ARE OF Fe550 GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE

(i) SLAB	20mm
(ii) COLUMN	40mm
(iii) BEAM	25mm
(iv) R.C WALL	25mm
(v) PILE CAP	50mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

STILT+5

NORTH POINT :



DRAWING TITLE :

PLINTH BEAM LAYOUT

SIGNATURE :

V. JAGEN
V. JAGEN, B.E. M.E., (Struct), M.I.E. A.I.V.
CMDA REGN NOS-
SE / GR-1 / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS WITH TOD BENEFIT AT NEW DOOR NO. 12, OLD DOOR NO. 52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI GANESAN SALAI, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD S.NOS.120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S NO.6468 AND T.S NO.6469 AS PER PATTI, BLOCK NO.140, THIYAGARAYA NAGAR VILLAGE, GUINDY TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE - IX, DIVISION -117.

NOTES

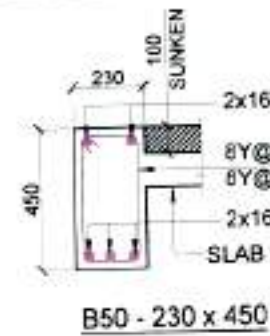
- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30 FOR COLUMN & ALL OTHER R.C.C WORKS.
- ALL REINFORCEMENTS ARE OF Fe550 GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE

(i) SLAB	20mm
(ii) COLUMN	40mm
(iii) BEAM	25mm
(iv) R.C WALL	25mm

- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

STILT+5

NORTH POINT :

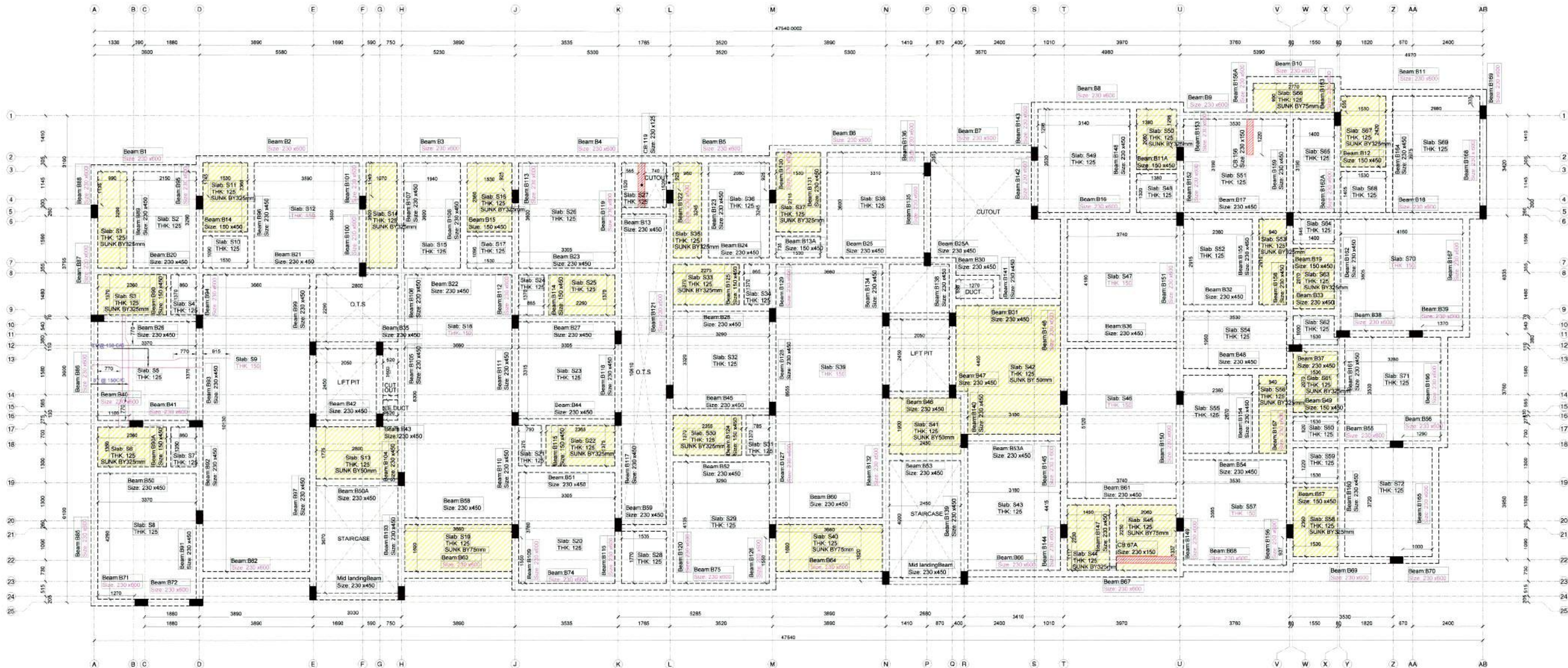


DRAWING TITLE :

STILT FLOOR ROOF BEAM LAYOUT

SIGNATURE :

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3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841263154



PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS WITH TOD BENEFIT AT NEW DOOR NO. 12, OLD DOOR NO. 52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI GANESAN SALAI, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD S.NOS.120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S.NO.6468 AND T.S.NO.6469 AS PER PATTI, BLOCK NO.140, THIYAGARAYA NAGAR VILLAGE, GUNDY TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE - IX, DIVISION -117.

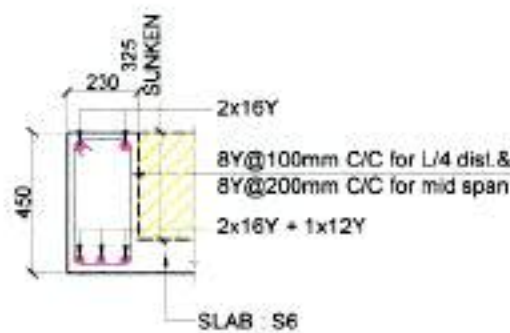
NOTES

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M30FOR COLUMN & ALL OTHER R.C.C WORKS.
- ALL REINFORCEMENTS ARE OF Fe550 GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - (i) SLAB 20mm
 - (ii) COLUMN 40mm
 - (iii) BEAM 25mm
 - (iv) R.C WALL 25mm

- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

STILT+5

NORTH POINT :



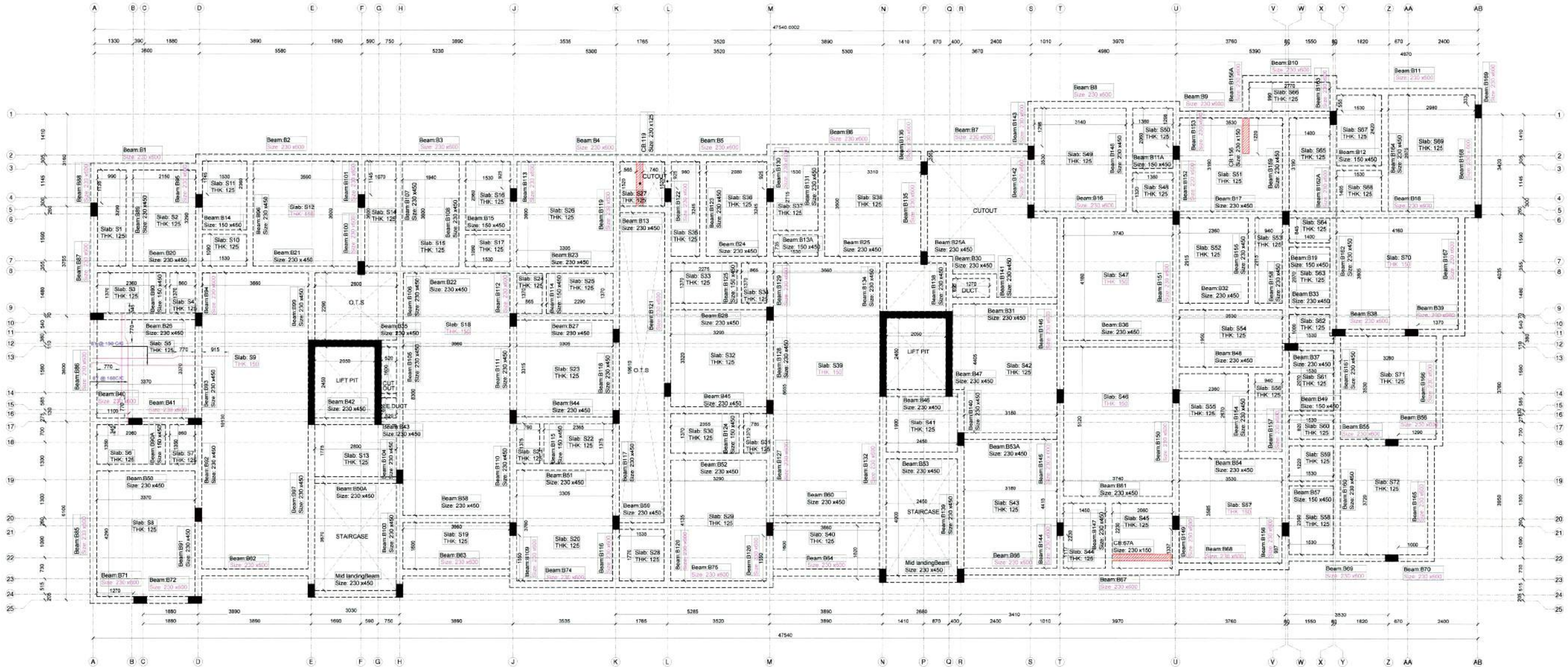
DRAWING TITLE :

TYPICAL FLOOR ROOF BEAM LAYOUT

SIGNATURE :

V. JAGEN

V. JAGEN, B.E.M.E., (Struct), M.I.E.,A.I.V.,
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SE / GR-1 / 201903/024, QA/2019/04/021
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BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119
Mobile: 9841269154



PROJECT TITLE :

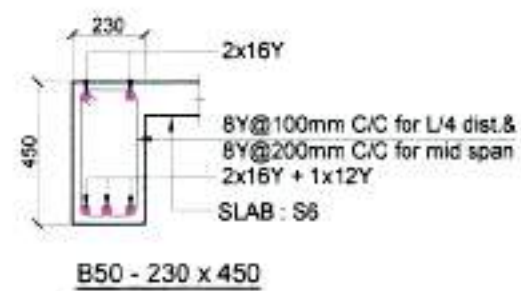
PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS (HEIGHT-18.30 m) RESIDENTIAL BUILDING WITH 25 DWELLING UNITS WITH TOD BENEFIT AT NEW DOOR NO. 12, OLD DOOR NO. 52, (SOUTH BOAG ROAD) CHEVALIER SIVAJI GANESAN SALAI, THIYAGARAYA NAGAR, CHENNAI - 600 017, COMPRISED IN OLD S.NOS. 120/3 (PART) AND 122/2 (PART) AS PER DOCUMENT AND T.S.NO.6468 AND T.S.NO.6469 AS PER PATTU, BLOCK NO.140, THIYAGARAYA NAGAR VILLAGE, GUINDY TALUK, WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION, ZONE - IX, DIVISION -117.

NOTES

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS
- CONCRETE MIX SHALL BE M30 FOR COLUMN & ALL OTHER R.C.C WORKS.
- ALL REINFORCEMENTS ARE OF Fe550 GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - (i) SLAB 20mm
 - (ii) COLUMN 40mm
 - (iii) BEAM 25mm
 - (iv) R.C WALL 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR

STILT+5

NORTH POINT :



DRAWING TITLE :

FIFTH FLOOR ROOF BEAM LAYOUT

SIGNATURE :

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SE / GR-1 / 2019/03/024, CA/2019/04/021

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3-B, RAMANIYAM GAURAV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841259154