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

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

20.11.2024

CERTIFICATE

IT IS CERTIFIED THAT THE PROPOSED CONSTRUCTION OF STILT + 5 FLOORS RESIDENTIAL BUILDING (HEIGHT - 18.30M) WITH 10 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO.6, OLD DOOR NO.5/2, 4TH TRUST CROSS STREET, MANDAVELIPAKKAM, CHENNAI – 600 028 COMPRISED IN R.S.NO. 4311/2A PART AS PER DOCUMENT AND R.S.NO.4311/224 AS PER PATTA, BLOCK NO.97 OF MYLAPORE VILLAGE (PART -2), MYLAPORE TALUK, GREATER CHENNAI CORPORATION, ZONE – IX, DIVISION NO – 126, IS DESIGNED TO RESIST EARTHQUAKE. CHECK HAS BEEN MADE AND FOUND SAFE AND I HEREBY CERTIFY THAT,

1. The minimum grade of concrete is M25.

2. 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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BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
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CORPORATION OF CHENNAI , REGN NO: RSE100172019.

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

THE PROPOSED CONSTRUCTION OF STILT + 5 FLOORS RESIDENTIAL BUILDING (HEIGHT - 18.30M) WITH 10 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO.6, OLD DOOR NO.5/2, 4TH TRUST CROSS STREET, MANDAVELIPAKKAM, CHENNAI – 600 028 COMPRISED IN R.S.NO. 4311/2A PART AS PER DOCUMENT AND R.S.NO.4311/224 AS PER PATTA, BLOCK NO.97 OF MYLAPORE VILLAGE (PART -2), MYLAPORE TALUK, GREATER CHENNAI CORPORATION, ZONE – IX, DIVISION NO – 126.

GENERAL NOTE ON STRUCTURAL DESIGN.

1.0 GENERAL.

1.1 DESIGN BASIS

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

1.2 CODES AND STANDARDS

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

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

2.0 BASIC CIVIL DESIGN LOADS

2.1 DEAD LOADS & LIVE LOADS

Typical slab dead load is calculated as follows

Residential Building

Self weight of slab	=	3.0kN/m²
Floor finish	=	2.0kN/m²
Live load	=	2.0kN/m²
		7.0kN/m²

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3.0 SOIL DETAILS

Based on Soil Test Report Isolated footing is adopted.

4.0 DESIGN METHODS

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

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

4.1

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

4.2.1 MINIMUM COVER

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

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

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*           STAAD.Pro 2023                       *
*           Version  23.00.03.25                 *
*           Proprietary Program of               *
*           Bentley Systems, Inc.                *
*           Date=    NOV 22, 2024                *
*           Time=    19:25: 7                    *
*                                                *
*  Licensed to: Ramaniyam Real Estates Pvt Ltd    *
**************************************************
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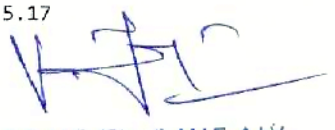
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    2. START JOB INFORMATION
    3. ENGINEER DATE 16-OCT-24
    4. *PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS
    5. *RESIDENTIAL BUILDING(HEIGHT 18.30M) WITH 10 DWELLING UNITS AVAILING
    6. *PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO.6,OLD DOOR NO.5/2, 4TH
    7. *TRUST CROSS STREET, MANDAVELIPAKKAM, CHENNAI - 600 028. COMPRISED IN
    8. *R.S.NO : 4311/2A PART AS PER DOCUMENT AND R.S.NO :4311/224 AS PER PATTA,
    9. *BLOCK NO.97 OF MYLAPORE VILLAGE (PART-2) MYLAPORE TALUK, GREATER CHENNAI
   10. *CORPORATION, ZONE :IX, DIVISION NO - 126.
   11. END JOB INFORMATION
   12. INPUT WIDTH 79
   13. UNIT METER KN
   14. JOINT COORDINATES
   15. 1 0 0 0; 2 4.23 0 0; 3 10.19 0 0; 4 10.19 0 2.63; 5 0 0 5.17; 6 4.23 0 5.17
   16. 7 1.52 0 11.575; 8 10.19 0 11.575; 9 0 0 17.025; 10 1.88 0 17.025
   17. 11 10.19 0 17.025; 12 0 0 19.085; 13 1.88 0 19.085; 14 0 0 21.805
   18. 15 1.88 0 21.805; 16 10.19 0 21.805; 17 1.52 0 27.255; 18 10.19 0 27.255
   19. 19 0 0 33.53; 20 10.19 0 33.53; 21 0 0 38.83; 22 8.12 0 38.83; 23 0 2 0
   20. 24 4.23 2 0; 25 10.19 2 0; 26 10.19 2 2.63; 27 0 2 5.17; 28 4.23 2 5.17
   21. 29 1.52 2 11.575; 30 10.19 2 11.575; 31 0 2 17.025; 32 1.88 2 17.025
   22. 33 10.19 2 17.025; 34 0 2 19.085; 35 1.88 2 19.085; 36 0 2 21.805
   23. 37 1.88 2 21.805; 38 10.19 2 21.805; 39 1.52 2 27.255; 40 10.19 2 27.255
   24. 41 0 2 33.53; 42 10.19 2 33.53; 43 0 2 38.83; 44 8.12 2 38.83; 45 0 5.1 0
   25. 46 4.23 5.1 0; 47 10.19 5.1 0; 48 10.19 5.1 2.63; 49 0 5.1 5.17
   26. 50 4.23 5.1 5.17; 51 1.52 5.1 11.575; 52 10.19 5.1 11.575; 53 0 5.1 17.025
   27. 54 1.88 5.1 17.025; 55 10.19 5.1 17.025; 56 0 5.1 19.085; 57 1.88 5.1 19.085
   28. 58 0 5.1 21.805; 59 1.88 5.1 21.805; 60 10.19 5.1 21.805; 61 1.52 5.1 27.255
   29. 62 10.19 5.1 27.255; 63 0 5.1 33.53; 64 10.19 5.1 33.53; 65 0 5.1 38.83
   30. 66 8.12 5.1 38.83; 67 0 2 11.575; 68 4.23 2 11.575; 69 0 2 27.255
   31. 70 10.19 2 38.83; 71 4.23 2 38.83; 72 4.23 2 33.53; 73 4.23 2 27.255
   32. 74 4.23 2 21.805; 75 4.23 2 17.025; 76 4.23 2 19.085; 77 0 2 6.15
   33. 78 4.23 2 6.15; 79 10.19 2 5.17; 80 5.875 2 5.17; 81 5.875 2 0; 82 4.23 2 1.97
   34. 83 5.875 2 1.97; 84 10.19 5.1 5.17; 85 0 5.1 1.22; 86 4.23 5.1 1.22
   35. 87 6.08 5.1 5.17; 88 6.08 5.1 0; 89 4.23 5.1 3.79; 90 6.08 5.1 3.79
   36. 91 4.23 5.1 0.68; 92 6.08 5.1 0.68; 93 0 5.1 11.575; 94 0 5.1 7.07
   37. 95 5.95 5.1 11.575; 96 5.95 5.1 5.17; 97 5.95 5.1 7.07; 98 0.68 5.1 7.07
   38. 99 0.68 5.1 5.17; 100 3.8 5.1 7.07; 101 3.8 5.1 5.17; 102 5.95 5.1 9.53
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BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

39. 103 10.19 5.1 9.53; 104 10.19 5.1 6.47; 105 5.95 5.1 6.47; 106 5.5 5.1 17.025
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41. 111 4.7 5.1 17.025; 112 3.59 5.1 21.805; 113 3.59 5.1 19.085
42. 114 4.7 5.1 18.36; 115 5.5 5.1 18.36; 116 4.7 5.1 17.75; 117 5.5 5.1 17.75
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147. 477 6.08 14.4 25.67; 478 7.04 14.4 25.67; 479 7.04 14.4 23.77
148. 480 7.04 14.4 15.44; 481 7.04 14.4 13.54; 482 0 17.5 0; 483 4.23 17.5 0
149. 484 10.19 17.5 0; 485 10.19 17.5 2.63; 486 0 17.5 5.17; 487 4.23 17.5 5.17
150. 488 1.52 17.5 11.575; 489 10.19 17.5 11.575; 490 0 17.5 17.025



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: 9841260154

151. 491 1.88 17.5 17.025; 492 10.19 17.5 17.025; 493 0 17.5 19.085
152. 494 1.88 17.5 19.085; 495 0 17.5 21.805; 496 1.88 17.5 21.805
153. 497 10.19 17.5 21.805; 498 1.52 17.5 27.255; 499 10.19 17.5 27.255
154. 500 0 17.5 33.53; 501 10.19 17.5 33.53; 502 0 17.5 38.83; 503 8.12 17.5 38.83
155. 504 10.19 17.5 5.17; 505 0 17.5 1.22; 506 4.23 17.5 1.22; 507 6.08 17.5 5.17
156. 508 6.08 17.5 0; 509 4.23 17.5 3.79; 510 6.08 17.5 3.79; 511 4.23 17.5 0.68
157. 512 6.08 17.5 0.68; 513 0 17.5 11.575; 514 0 17.5 7.07; 515 5.95 17.5 11.575
158. 516 5.95 17.5 5.17; 517 5.95 17.5 7.07; 518 0.68 17.5 7.07; 519 0.68 17.5 5.17
159. 520 3.8 17.5 7.07; 521 3.8 17.5 5.17; 522 5.95 17.5 9.53; 523 10.19 17.5 9.53
160. 524 10.19 17.5 6.47; 525 5.95 17.5 6.47; 526 5.5 17.5 17.025
161. 527 5.5 17.5 11.575; 528 5.5 17.5 21.805; 529 5.5 17.5 19.085
162. 530 4.7 17.5 19.085; 531 4.7 17.5 17.025; 532 3.59 17.5 21.805
163. 533 3.59 17.5 19.085; 534 4.7 17.5 18.36; 535 5.5 17.5 18.36
164. 536 4.7 17.5 17.75; 537 5.5 17.5 17.75; 538 5.5 17.5 15.44
165. 539 10.19 17.5 15.44; 540 10.19 17.5 13.54; 541 6.73 17.5 15.44
166. 542 6.73 17.5 13.54; 543 9.58 17.5 15.44; 544 9.58 17.5 13.54
167. 545 5.5 17.5 19.4; 546 10.19 17.5 19.4; 547 5.5 17.5 27.255; 548 0 17.5 27.255
168. 549 10.19 17.5 25.67; 550 5.5 17.5 23.77; 551 10.19 17.5 23.77
169. 552 6.73 17.5 25.67; 553 6.73 17.5 23.77; 554 9.58 17.5 25.67
170. 555 9.58 17.5 23.77; 556 0 17.5 31.76; 557 6.08 17.5 33.53
171. 558 6.08 17.5 27.255; 559 6.08 17.5 31.76; 560 0.68 17.5 33.53
172. 561 0.68 17.5 31.76; 562 3.8 17.5 33.53; 563 3.8 17.5 31.76
173. 564 1.52 17.5 31.76; 565 6.08 17.5 32.36; 566 10.19 17.5 32.36
174. 567 6.08 17.5 29.43; 568 10.19 17.5 29.43; 569 10.19 17.5 38.83
175. 570 4.23 17.5 38.83; 571 4.23 17.5 33.53; 572 6.08 17.5 38.83
176. 573 0 17.5 37.61; 574 4.23 17.5 37.61; 575 4.23 17.5 38.15
177. 576 6.08 17.5 38.15; 577 4.23 17.5 34.91; 578 6.08 17.5 34.91
178. 579 1.52 17.5 7.07; 580 5.95 17.5 15.44; 581 5.95 17.5 13.54
179. 582 6.08 17.5 23.77; 583 6.08 17.5 25.67; 584 7.04 17.5 25.67
180. 585 7.04 17.5 23.77; 586 7.04 17.5 15.44; 587 7.04 17.5 13.54; 588 0 20.6 0
181. 589 4.23 20.6 0; 590 10.19 20.6 0; 591 10.19 20.6 2.63; 592 0 20.6 5.17
182. 593 4.23 20.6 5.17; 594 1.52 20.6 11.575; 595 10.19 20.6 11.575
183. 596 0 20.6 17.025; 597 1.88 20.6 17.025; 598 10.19 20.6 17.025
184. 599 0 20.6 19.085; 600 1.88 20.6 19.085; 601 0 20.6 21.805
185. 602 1.88 20.6 21.805; 603 10.19 20.6 21.805; 604 1.52 20.6 27.255
186. 605 10.19 20.6 27.255; 606 0 20.6 33.53; 607 10.19 20.6 33.53
187. 608 0 20.6 38.83; 609 8.12 20.6 38.83; 610 10.19 20.6 5.17; 611 0 20.6 1.22
188. 612 4.23 20.6 1.22; 613 6.08 20.6 5.17; 614 6.08 20.6 0; 615 4.23 20.6 3.79
189. 616 6.08 20.6 3.79; 617 4.23 20.6 0.68; 618 6.08 20.6 0.68; 619 0 20.6 11.575
190. 620 0 20.6 7.07; 621 5.95 20.6 11.575; 622 5.95 20.6 5.17; 623 5.95 20.6 7.07
191. 624 0.68 20.6 7.07; 625 0.68 20.6 5.17; 626 3.8 20.6 7.07; 627 3.8 20.6 5.17
192. 628 5.95 20.6 9.53; 629 10.19 20.6 9.53; 630 10.19 20.6 6.47
193. 631 5.95 20.6 6.47; 632 5.5 20.6 17.025; 633 5.5 20.6 11.575
194. 634 5.5 20.6 21.805; 635 5.5 20.6 19.085; 636 4.7 20.6 19.085
195. 637 4.7 20.6 17.025; 638 3.59 20.6 21.805; 639 3.59 20.6 19.085
196. 640 4.7 20.6 18.36; 641 5.5 20.6 18.36; 642 4.7 20.6 17.75; 643 5.5 20.6 17.75
197. 644 5.5 20.6 15.44; 645 10.19 20.6 15.44; 646 10.19 20.6 13.54
198. 647 6.73 20.6 15.44; 648 6.73 20.6 13.54; 649 9.58 20.6 15.44
199. 650 9.58 20.6 13.54; 651 5.5 20.6 19.4; 652 10.19 20.6 19.4
200. 653 5.5 20.6 27.255; 654 0 20.6 27.255; 655 10.19 20.6 25.67
201. 656 5.5 20.6 23.77; 657 10.19 20.6 23.77; 658 6.73 20.6 25.67
202. 659 6.73 20.6 23.77; 660 9.58 20.6 25.67; 661 9.58 20.6 23.77
203. 662 0 20.6 31.76; 663 6.08 20.6 33.53; 664 6.08 20.6 27.255
204. 665 6.08 20.6 31.76; 666 0.68 20.6 33.53; 667 0.68 20.6 31.76
205. 668 3.8 20.6 33.53; 669 3.8 20.6 31.76; 670 1.52 20.6 31.76
206. 671 6.08 20.6 32.36; 672 10.19 20.6 32.36; 673 6.08 20.6 29.43

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

207. 674 10.19 20.6 29.43; 675 10.19 20.6 38.83; 676 4.23 20.6 38.83
208. 677 4.23 20.6 33.53; 678 6.08 20.6 38.83; 679 0 20.6 37.61
209. 680 4.23 20.6 37.61; 681 4.23 20.6 38.15; 682 6.08 20.6 38.15
210. 683 4.23 20.6 34.91; 684 6.08 20.6 34.91; 685 1.52 20.6 7.07
211. 686 5.95 20.6 15.44; 687 5.95 20.6 13.54; 688 6.08 20.6 23.77
212. 689 6.08 20.6 25.67; 690 7.04 20.6 25.67; 691 7.04 20.6 23.77
213. 692 7.04 20.6 15.44; 693 7.04 20.6 13.54; 694 0 23.7 17.025
214. 695 1.88 23.7 17.025; 696 0 23.7 19.085; 697 1.88 23.7 19.085
215. 698 0 23.7 21.805; 699 1.88 23.7 21.805; 700 5.5 23.7 17.025
216. 701 5.5 23.7 21.805; 702 5.5 23.7 19.085; 703 4.7 23.7 19.085
217. 704 4.7 23.7 17.025; 705 3.59 23.7 21.805; 706 3.59 23.7 19.085
218. 708 5.5 23.7 18.36; 710 5.5 23.7 17.75; 711 5.5 23.7 19.4; 712 0 23.7 0
219. 713 4.23 23.7 0; 714 0 23.7 5.17; 715 4.23 23.7 5.17; 716 0 23.7 1.22
220. 717 4.23 23.7 1.22; 718 6.08 23.7 5.17; 719 6.08 23.7 0; 720 4.23 23.7 3.79
221. 721 6.08 23.7 3.79; 722 4.23 23.7 0.68; 723 6.08 23.7 0.68; 725 5.95 23.7 5.17
222. 731 0 20.6 6.17; 733 0 23.7 6.17; 734 4.23 23.7 6.17; 735 0 0.5 17.025
223. 736 0 1 17.025; 737 0 1.5 17.025; 738 0 2.51667 17.025; 739 0 3.03333 17.025
224. 740 0 3.55 17.025; 741 0 4.06667 17.025; 742 0 4.58333 17.025
225. 743 0 5.61667 17.025; 744 0 6.13333 17.025; 745 0 6.65 17.025
226. 746 0 7.16667 17.025; 747 0 7.68333 17.025; 748 0 8.71667 17.025
227. 749 0 9.23333 17.025; 750 0 9.75 17.025; 751 0 10.2667 17.025
228. 752 0 10.7833 17.025; 753 0 11.8167 17.025; 754 0 12.3333 17.025
229. 755 0 12.85 17.025; 756 0 13.3667 17.025; 757 0 13.8833 17.025
230. 758 0 14.9167 17.025; 759 0 15.4333 17.025; 760 0 15.95 17.025
231. 761 0 16.4667 17.025; 762 0 16.9833 17.025; 763 0 18.0167 17.025
232. 764 0 18.5333 17.025; 765 0 19.05 17.025; 766 0 19.5667 17.025
233. 767 0 20.0833 17.025; 768 0 21.1167 17.025; 769 0 21.6333 17.025
234. 770 0 22.15 17.025; 771 0 22.6667 17.025; 772 0 23.1833 17.025
235. 773 0.47 23.7 17.025; 774 0.94 23.7 17.025; 775 1.41 23.7 17.025
236. 776 1.88 23.1833 17.025; 777 1.88 22.6667 17.025; 778 1.88 22.15 17.025
237. 779 1.88 21.6333 17.025; 780 1.88 21.1167 17.025; 781 1.88 20.0833 17.025
238. 782 1.88 19.5667 17.025; 783 1.88 19.05 17.025; 784 1.88 18.5333 17.025
239. 785 1.88 18.0167 17.025; 786 1.88 16.9833 17.025; 787 1.88 16.4667 17.025
240. 788 1.88 15.95 17.025; 789 1.88 15.4333 17.025; 790 1.88 14.9167 17.025
241. 791 1.88 13.8833 17.025; 792 1.88 13.3667 17.025; 793 1.88 12.85 17.025
242. 794 1.88 12.3333 17.025; 795 1.88 11.8167 17.025; 796 1.88 10.7833 17.025
243. 797 1.88 10.2667 17.025; 798 1.88 9.75 17.025; 799 1.88 9.23333 17.025
244. 800 1.88 8.71667 17.025; 801 1.88 7.68333 17.025; 802 1.88 7.16667 17.025
245. 803 1.88 6.65 17.025; 804 1.88 6.13333 17.025; 805 1.88 5.61667 17.025
246. 806 1.88 4.58333 17.025; 807 1.88 4.06667 17.025; 808 1.88 3.55 17.025
247. 809 1.88 3.03333 17.025; 810 1.88 2.51667 17.025; 811 1.88 1.5 17.025
248. 812 1.88 1 17.025; 813 1.88 0.5 17.025; 814 1.41 0 17.025; 815 0.94 0 17.025
249. 816 0.47 0 17.025; 817 0.47 2 17.025; 818 0.94 2 17.025; 819 1.41 2 17.025
250. 820 0.47 5.1 17.025; 821 0.94 5.1 17.025; 822 1.41 5.1 17.025
251. 823 0.47 8.2 17.025; 824 0.94 8.2 17.025; 825 1.41 8.2 17.025
252. 826 0.47 11.3 17.025; 827 0.94 11.3 17.025; 828 1.41 11.3 17.025
253. 829 0.47 14.4 17.025; 830 0.94 14.4 17.025; 831 1.41 14.4 17.025
254. 832 0.47 17.5 17.025; 833 0.94 17.5 17.025; 834 1.41 17.5 17.025
255. 835 0.47 20.6 17.025; 836 0.94 20.6 17.025; 837 1.41 20.6 17.025
256. 838 1.40667 23.1957 17.025; 839 0.94049 23.206 17.025
257. 840 1.40381 22.6784 17.025; 841 0.474056 23.1953 17.025
258. 842 1.40598 22.1523 17.025; 843 1.4062 21.6282 17.025
259. 844 1.40339 21.109 17.025; 845 0.479074 22.6769 17.025
260. 846 0.490832 22.1513 17.025; 847 1.40534 20.0911 17.025
261. 848 0.484265 21.6257 17.025; 849 1.40566 19.5728 17.025
262. 850 0.475798 21.107 17.025; 851 1.40109 19.05 17.025



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

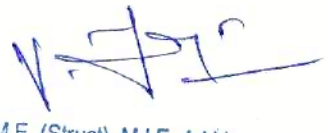
263. 852 1.40367 18.5272 17.025; 853 0.475016 20.0986 17.025
264. 854 1.40521 18.0086 17.025; 855 0.476425 19.5719 17.025
265. 856 0.480009 19.0499 17.025; 857 1.4055 16.9907 17.025
266. 858 0.477549 18.5284 17.025; 859 1.40459 16.4719 17.025
267. 860 0.475425 18.011 17.025; 861 1.40197 15.9499 17.025
268. 862 1.40578 15.4281 17.025; 863 0.476609 16.991 17.025
269. 864 1.40414 14.9095 17.025; 865 0.475732 16.4713 17.025
270. 866 0.481467 15.9498 17.025; 867 1.40452 13.8899 17.025
271. 868 0.484472 15.4278 17.025; 869 1.39785 13.3712 17.025
272. 870 0.475857 14.9095 17.025; 871 1.38605 12.8485 17.025
273. 872 1.39738 12.3271 17.025; 873 0.475508 13.8903 17.025
274. 874 1.39723 11.8101 17.025; 875 0.472409 13.3719 17.025
275. 876 0.478821 12.8488 17.025; 877 1.40534 10.7911 17.025
276. 878 0.479688 12.3248 17.025; 879 1.39366 10.2743 17.025
277. 880 0.471059 11.808 17.025; 881 1.40132 9.75055 17.025
278. 882 1.40544 9.22754 17.025; 883 0.47753 10.7905 17.025
279. 884 1.40339 8.70899 17.025; 885 0.476042 10.2721 17.025
280. 886 0.480908 9.75054 17.025; 887 1.4037 7.68947 17.025
281. 888 0.475133 9.22814 17.025; 889 1.40521 7.17232 17.025
282. 890 0.475798 8.70701 17.025; 891 1.40206 6.6507 17.025
283. 892 1.4058 6.12833 17.025; 893 0.476273 7.69028 17.025
284. 894 1.40414 5.60948 17.025; 895 0.475038 7.17228 17.025
285. 896 0.478498 6.6501 17.025; 897 1.40415 4.59073 17.025
286. 898 0.474339 6.12816 17.025; 899 1.39721 4.07192 17.025
287. 900 0.475857 5.60948 17.025; 901 1.401 3.54967 17.025
288. 902 1.40311 3.02713 17.025; 903 0.476609 4.59101 17.025
289. 904 1.39729 2.5101 17.025; 905 0.474591 4.07188 17.025
290. 906 0.478174 3.549 17.025; 907 1.3923 1.50141 17.025
291. 908 0.479482 3.02462 17.025; 909 1.39467 0.996505 17.025
292. 910 0.47104 2.50788 17.025; 911 1.40543 0.494075 17.025
293. 912 0.487702 1.50141 17.025; 913 0.478977 0.996273 17.025
294. 914 0.939037 0.485197 17.025; 915 0.474947 0.492087 17.025
295. 916 0.939416 21.1002 17.025; 917 0.940208 20.0942 17.025
296. 918 0.940902 16.9921 17.025; 919 0.942988 18.0077 17.025
297. 920 0.94 14.9019 17.025; 921 0.937866 13.8915 17.025
298. 922 0.940523 10.796 17.025; 923 0.934162 11.8038 17.025
299. 924 0.939386 7.69217 17.025; 925 0.939416 8.7002 17.025
300. 926 0.940314 4.59438 17.025; 927 0.94 5.60195 17.025; 928 0.94 1.50376 17.025
301. 929 0.931892 2.50094 17.025; 930 0.942677 22.6869 17.025
302. 931 0.947587 22.1538 17.025; 932 0.939718 21.6239 17.025
303. 933 0.939713 19.5776 17.025; 934 0.946847 19.05 17.025
304. 935 0.944654 18.5227 17.025; 936 0.941741 16.4754 17.025
305. 937 0.952411 15.9496 17.025; 938 0.943357 15.424 17.025
306. 939 0.929234 13.3741 17.025; 940 0.943043 12.8482 17.025
307. 941 0.938254 12.3223 17.025; 942 0.938035 10.2786 17.025
308. 943 0.950342 9.75069 17.025; 944 0.940299 9.22404 17.025
309. 945 0.94235 7.17785 17.025; 946 0.94 6.65 17.025; 947 0.94 6.12435 17.025
310. 948 0.940282 4.07613 17.025; 949 0.94 3.55 17.025; 950 0.936768 3.02155 17.025
311. 951 0.934489 0.992504 17.025; 952 0 0.5 19.085; 953 0 1 19.085
312. 954 0 1.5 19.085; 955 0 2.51667 19.085; 956 0 3.03333 19.085
313. 957 0 3.55 19.085; 958 0 4.06667 19.085; 959 0 4.58333 19.085
314. 960 0 5.61667 19.085; 961 0 6.13333 19.085; 962 0 6.65 19.085
315. 963 0 7.16667 19.085; 964 0 7.68333 19.085; 965 0 8.71667 19.085
316. 966 0 9.23333 19.085; 967 0 9.75 19.085; 968 0 10.2667 19.085
317. 969 0 10.7833 19.085; 970 0 11.8167 19.085; 971 0 12.3333 19.085
318. 972 0 12.85 19.085; 973 0 13.3667 19.085; 974 0 13.8833 19.085

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
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CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9677268154

319. 975 0 14.9167 19.085; 976 0 15.4333 19.085; 977 0 15.95 19.085
320. 978 0 16.4667 19.085; 979 0 16.9833 19.085; 980 0 18.0167 19.085
321. 981 0 18.5333 19.085; 982 0 19.05 19.085; 983 0 19.5667 19.085
322. 984 0 20.0833 19.085; 985 0 21.1167 19.085; 986 0 21.6333 19.085
323. 987 0 22.15 19.085; 988 0 22.6667 19.085; 989 0 23.1833 19.085
324. 990 0.47 23.7 19.085; 991 0.94 23.7 19.085; 992 1.41 23.7 19.085
325. 993 1.88 23.1833 19.085; 994 1.88 22.6667 19.085; 995 1.88 22.15 19.085
326. 996 1.88 21.6333 19.085; 997 1.88 21.1167 19.085; 998 1.88 20.0833 19.085
327. 999 1.88 19.5667 19.085; 1000 1.88 19.05 19.085; 1001 1.88 18.5333 19.085
328. 1002 1.88 18.0167 19.085; 1003 1.88 16.9833 19.085; 1004 1.88 16.4667 19.085
329. 1005 1.88 15.95 19.085; 1006 1.88 15.4333 19.085; 1007 1.88 14.9167 19.085
330. 1008 1.88 13.8833 19.085; 1009 1.88 13.3667 19.085; 1010 1.88 12.85 19.085
331. 1011 1.88 12.3333 19.085; 1012 1.88 11.8167 19.085; 1013 1.88 10.7833 19.085
332. 1014 1.88 10.2667 19.085; 1015 1.88 9.75 19.085; 1016 1.88 9.23333 19.085
333. 1017 1.88 8.71667 19.085; 1018 1.88 7.68333 19.085; 1019 1.88 7.16667 19.085
334. 1020 1.88 6.65 19.085; 1021 1.88 6.13333 19.085; 1022 1.88 5.61667 19.085
335. 1023 1.88 4.58333 19.085; 1024 1.88 4.06667 19.085; 1025 1.88 3.55 19.085
336. 1026 1.88 3.03333 19.085; 1027 1.88 2.51667 19.085; 1028 1.88 1.5 19.085
337. 1029 1.88 1 19.085; 1030 1.88 0.5 19.085; 1031 1.41 0 19.085
338. 1032 0.94 0 19.085; 1033 0.47 0 19.085; 1034 0.47 2 19.085; 1035 0.94 2 19.085
339. 1036 1.41 2 19.085; 1037 0.47 5.1 19.085; 1038 0.94 5.1 19.085
340. 1039 1.41 5.1 19.085; 1040 0.47 8.2 19.085; 1041 0.94 8.2 19.085
341. 1042 1.41 8.2 19.085; 1043 0.47 11.3 19.085; 1044 0.94 11.3 19.085
342. 1045 1.41 11.3 19.085; 1046 0.47 14.4 19.085; 1047 0.94 14.4 19.085
343. 1048 1.41 14.4 19.085; 1049 0.47 17.5 19.085; 1050 0.94 17.5 19.085
344. 1051 1.41 17.5 19.085; 1052 0.47 20.6 19.085; 1053 0.94 20.6 19.085
345. 1054 1.41 20.6 19.085; 1055 1.40667 23.1957 19.085; 1056 0.94049 23.206 19.085
346. 1057 1.40381 22.6784 19.085; 1058 0.474056 23.1953 19.085
347. 1059 1.40598 22.1523 19.085; 1060 1.4062 21.6282 19.085
348. 1061 1.40339 21.109 19.085; 1062 0.479074 22.6769 19.085
349. 1063 0.490832 22.1513 19.085; 1064 1.40534 20.0911 19.085
350. 1065 0.484265 21.6257 19.085; 1066 1.40566 19.5728 19.085
351. 1067 0.475798 21.107 19.085; 1068 1.40109 19.05 19.085
352. 1069 1.40367 18.5272 19.085; 1070 0.475016 20.0906 19.085
353. 1071 1.40521 18.0086 19.085; 1072 0.476425 19.5719 19.085
354. 1073 0.480009 19.0499 19.085; 1074 1.4055 16.9907 19.085
355. 1075 0.477549 18.5284 19.085; 1076 1.40459 16.4719 19.085
356. 1077 0.475425 18.011 19.085; 1078 1.40197 15.9499 19.085
357. 1079 1.40578 15.4281 19.085; 1080 0.476609 16.991 19.085
358. 1081 1.40414 14.9095 19.085; 1082 0.475732 16.4713 19.085
359. 1083 0.481467 15.9498 19.085; 1084 1.40452 13.8899 19.085
360. 1085 0.484472 15.4278 19.085; 1086 1.39785 13.3712 19.085
361. 1087 0.475857 14.9095 19.085; 1088 1.38605 12.8485 19.085
362. 1089 1.39738 12.3271 19.085; 1090 0.475508 13.8903 19.085
363. 1091 1.39723 11.8101 19.085; 1092 0.472409 13.3719 19.085
364. 1093 0.478821 12.8488 19.085; 1094 1.40534 10.7911 19.085
365. 1095 0.479688 12.3248 19.085; 1096 1.39366 10.2743 19.085
366. 1097 0.471059 11.808 19.085; 1098 1.40132 9.75055 19.085
367. 1099 1.40544 9.22754 19.085; 1100 0.47753 10.7905 19.085
368. 1101 1.40339 8.70899 19.085; 1102 0.476042 10.2721 19.085
369. 1103 0.480908 9.75054 19.085; 1104 1.4037 7.68947 19.085
370. 1105 0.475133 9.22814 19.085; 1106 1.40521 7.17232 19.085
371. 1107 0.475798 8.70701 19.085; 1108 1.40206 6.6507 19.085
372. 1109 1.4058 6.12833 19.085; 1110 0.476273 7.69028 19.085
373. 1111 1.40414 5.60948 19.085; 1112 0.475038 7.17228 19.085
374. 1113 0.478498 6.6501 19.085; 1114 1.40415 4.59073 19.085

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

375. 1115 0.474339 6.12816 19.085; 1116 1.39721 4.07192 19.085
376. 1117 0.475857 5.60948 19.085; 1118 1.401 3.54967 19.085
377. 1119 1.40311 3.02713 19.085; 1120 0.476609 4.59101 19.085
378. 1121 1.39729 2.5101 19.085; 1122 0.474591 4.07188 19.085
379. 1123 0.478174 3.549 19.085; 1124 1.3923 1.50141 19.085
380. 1125 0.479482 3.02462 19.085; 1126 1.39467 0.996505 19.085
381. 1127 0.47104 2.50788 19.085; 1128 1.40543 0.494075 19.085
382. 1129 0.487702 1.50141 19.085; 1130 0.478977 0.996273 19.085
383. 1131 0.939037 0.485197 19.085; 1132 0.474947 0.492087 19.085
384. 1133 0.939416 21.1002 19.085; 1134 0.940208 20.0942 19.085
385. 1135 0.940902 16.9921 19.085; 1136 0.942988 18.0077 19.085
386. 1137 0.94 14.9019 19.085; 1138 0.937866 13.8915 19.085
387. 1139 0.940523 10.796 19.085; 1140 0.934162 11.8038 19.085
388. 1141 0.939386 7.69217 19.085; 1142 0.939416 8.7002 19.085
389. 1143 0.940314 4.59438 19.085; 1144 0.94 5.60195 19.085
390. 1145 0.94 1.50376 19.085; 1146 0.931892 2.50094 19.085
391. 1147 0.942677 22.6869 19.085; 1148 0.947587 22.1538 19.085
392. 1149 0.939718 21.6239 19.085; 1150 0.939713 19.5776 19.085
393. 1151 0.946847 19.05 19.085; 1152 0.944654 18.5227 19.085
394. 1153 0.941741 16.4754 19.085; 1154 0.952411 15.9496 19.085
395. 1155 0.943357 15.424 19.085; 1156 0.929234 13.3741 19.085
396. 1157 0.943043 12.8482 19.085; 1158 0.938254 12.3223 19.085
397. 1159 0.938035 10.2786 19.085; 1160 0.950342 9.75069 19.085
398. 1161 0.940299 9.22404 19.085; 1162 0.94235 7.17785 19.085
399. 1163 0.94 6.65 19.085; 1164 0.94 6.12435 19.085; 1165 0.940282 4.07613 19.085
400. 1166 0.94 3.55 19.085; 1167 0.936768 3.02155 19.085
401. 1168 0.934489 0.992504 19.085; 1169 0 0.25 17.025; 1170 0 0.75 17.025
402. 1171 0 1.25 17.025; 1172 0 1.75 17.025; 1173 0 2.25834 17.025
403. 1174 0 2.775 17.025; 1175 0 3.29167 17.025; 1176 0 3.80833 17.025
404. 1177 0 4.325 17.025; 1178 0 4.84167 17.025; 1179 0 5.35834 17.025
405. 1180 0 5.875 17.025; 1181 0 6.39166 17.025; 1182 0 6.90833 17.025
406. 1183 0 7.425 17.025; 1184 0 7.94166 17.025; 1185 0 8.45833 17.025
407. 1186 0 8.975 17.025; 1187 0 9.49166 17.025; 1188 0 10.0084 17.025
408. 1189 0 10.525 17.025; 1190 0 11.0417 17.025; 1191 0 11.5583 17.025
409. 1192 0 12.075 17.025; 1193 0 12.5917 17.025; 1194 0 13.1084 17.025
410. 1195 0 13.625 17.025; 1196 0 14.1416 17.025; 1197 0 14.6583 17.025
411. 1198 0 15.175 17.025; 1199 0 15.6917 17.025; 1200 0 16.2083 17.025
412. 1201 0 16.725 17.025; 1202 0 17.2416 17.025; 1203 0 17.7584 17.025
413. 1204 0 18.275 17.025; 1205 0 18.7916 17.025; 1206 0 19.3083 17.025
414. 1207 0 19.825 17.025; 1208 0 20.3417 17.025; 1209 0 20.8583 17.025
415. 1210 0 21.375 17.025; 1211 0 21.8917 17.025; 1212 0 22.4083 17.025
416. 1213 0 22.925 17.025; 1214 0 23.4417 17.025; 1215 0 23.7 17.54
417. 1216 0 23.7 18.055; 1217 0 23.7 18.57; 1218 0 23.4417 19.085
418. 1219 0 22.925 19.085; 1220 0 22.4083 19.085; 1221 0 21.8917 19.085
419. 1222 0 21.375 19.085; 1223 0 20.8583 19.085; 1224 0 20.3417 19.085
420. 1225 0 19.825 19.085; 1226 0 19.3083 19.085; 1227 0 18.7916 19.085
421. 1228 0 18.275 19.085; 1229 0 17.7584 19.085; 1230 0 17.2416 19.085
422. 1231 0 16.725 19.085; 1232 0 16.2083 19.085; 1233 0 15.6917 19.085
423. 1234 0 15.175 19.085; 1235 0 14.6583 19.085; 1236 0 14.1416 19.085
424. 1237 0 13.625 19.085; 1238 0 13.1084 19.085; 1239 0 12.5917 19.085
425. 1240 0 12.075 19.085; 1241 0 11.5583 19.085; 1242 0 11.0417 19.085
426. 1243 0 10.525 19.085; 1244 0 10.0084 19.085; 1245 0 9.49166 19.085
427. 1246 0 8.975 19.085; 1247 0 8.45833 19.085; 1248 0 7.94166 19.085
428. 1249 0 7.425 19.085; 1250 0 6.90833 19.085; 1251 0 6.39166 19.085
429. 1252 0 5.875 19.085; 1253 0 5.35834 19.085; 1254 0 4.84167 19.085
430. 1255 0 4.325 19.085; 1256 0 3.80833 19.085; 1257 0 3.29167 19.085



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 - 600119.
Mobile: 9841269154

```
431. 1258 0 2.775 19.085; 1259 0 2.25834 19.085; 1260 0 1.75 19.085
432. 1261 0 1.25 19.085; 1262 0 0.75 19.085; 1263 0 0.25 19.085; 1264 0 0 18.57
433. 1265 0 0 18.055; 1266 0 0 17.54; 1267 0 2 18.57; 1268 0 2 18.055
434. 1269 0 2 17.54; 1270 0 5.1 18.57; 1271 0 5.1 18.055; 1272 0 5.1 17.54
435. 1273 0 8.2 18.57; 1274 0 8.2 18.055; 1275 0 8.2 17.54; 1276 0 11.3 18.57
436. 1277 0 11.3 18.055; 1278 0 11.3 17.54; 1279 0 14.4 18.57; 1280 0 14.4 18.055
437. 1281 0 14.4 17.54; 1282 0 17.5 18.57; 1283 0 17.5 18.055; 1284 0 17.5 17.54
438. 1285 0 20.6 18.57; 1286 0 20.6 18.055; 1287 0 20.6 17.54
439. 1288 0 22.5897 18.6522; 1289 0 22.122 18.567; 1290 0 22.7673 17.6772
440. 1291 0 21.6628 18.5507; 1292 0 22.27 17.5909; 1293 0 21.4956 17.5206
441. 1294 0 19.508 18.5648; 1295 0 19.05 18.5683; 1296 0 19.5089 17.5451
442. 1297 0 18.5333 18.5683; 1298 0 19.0708 17.5331; 1299 0 18.4129 17.5289
443. 1300 0 16.408 18.5648; 1301 0 15.95 18.5683; 1302 0 16.4089 17.5451
444. 1303 0 15.4333 18.5683; 1304 0 15.9708 17.5331; 1305 0 15.3129 17.5289
445. 1306 0 13.308 18.5648; 1307 0 12.85 18.5683; 1308 0 13.3089 17.5451
446. 1309 0 12.392 18.5648; 1310 0 12.85 17.5417; 1311 0 12.3911 17.5451
447. 1312 0 10.2667 18.5683; 1313 0 9.75 18.5683; 1314 0 10.2667 17.5417
448. 1315 0 9.29169 18.567; 1316 0 9.75 17.5417; 1317 0 9.29107 17.5452
449. 1318 0 7.16667 18.5683; 1319 0 6.65 18.5683; 1320 0 7.16667 17.5417
450. 1321 0 6.19169 18.567; 1322 0 6.65 17.5417; 1323 0 6.19106 17.5452
451. 1324 0 4.05263 18.5564; 1325 0 3.55 18.5683; 1326 0 4.21792 17.5011
452. 1327 0 3.09138 18.5669; 1328 0 3.49592 17.5118; 1329 0 3.09081 17.5452
453. 1330 0 0.716133 18.6076; 1331 0 1.27945 17.5059; 1332 0 21.3012 17.8017
454. 1333 0 19.7584 18.054; 1334 0 18.2117 17.7717; 1335 0 16.6584 18.054
455. 1336 0 13.5584 18.054; 1337 0 15.1117 17.7717; 1338 0 10.4124 18.055
456. 1339 0 12.1416 18.054; 1340 0 7.31244 18.055; 1341 0 9.04098 18.0542
457. 1342 0 4.39904 17.7825; 1343 0 5.94098 18.0542; 1344 0 2.84001 18.0542
458. 1345 0 22.2787 18.1289; 1346 0 19.05 18.055; 1347 0 15.95 18.055
459. 1348 0 12.85 18.055; 1349 0 9.75001 18.055; 1350 0 6.65 18.055
460. 1351 0 3.55 18.055; 1352 0 21.1947 18.4115; 1353 0 20.0006 18.4398
461. 1354 0 18.0964 18.4153; 1355 0 16.9006 18.4398; 1356 0 14.9964 18.4153
462. 1357 0 13.8006 18.4398; 1358 0 11.8994 18.4398; 1359 0 8.79939 18.4398
463. 1360 0 5.69939 18.4398; 1361 0 4.51087 18.3992; 1362 0 2.5987 18.4399
464. 1363 0 23.1737 17.59; 1364 0 11.899 17.6679; 1365 0 13.801 17.6679
465. 1366 0 20.001 17.6679; 1367 0 16.901 17.6679; 1368 0 8.79903 17.6679
466. 1369 0 5.69903 17.6679; 1370 0 10.769 18.583; 1371 0 10.769 17.527
467. 1372 0 7.66902 18.583; 1373 0 7.66902 17.527; 1374 0 2.59855 17.6679
468. 1375 0 0.684574 17.7663; 1376 0 1.31576 18.3509; 1377 0 15.6317 17.5281
469. 1378 0 15.5553 18.0219; 1379 0 18.7317 17.5281; 1380 0 18.6553 18.0219
470. 1381 0 21.836 17.5331; 1382 0 21.7707 18.0316; 1383 0 3.84847 17.5272
471. 1384 0 3.95684 18.0023; 1385 0 3.21005 18.055; 1386 0 13.1893 18.055
472. 1387 0 12.5107 18.055; 1388 0 16.2893 18.055; 1389 0 19.3893 18.055
473. 1390 0 9.41073 18.055; 1391 0 6.31072 18.055; 1392 0 22.9616 18.2836
474. 1393 0 1.65128 18.2049; 1394 0 1.4267 18.7243; 1395 0 6.16251 18.826
475. 1396 0 5.96318 18.5198; 1397 0 5.65499 18.7861; 1398 0 7.40656 17.5411
476. 1399 0 7.68333 17.2644; 1400 0 7.16667 17.2833; 1401 0 23.0781 18.7048
477. 1402 0 22.7717 18.476; 1403 0 22.6335 18.8673; 1404 0 11.0157 18.3381
478. 1405 0 10.7833 18.8456; 1406 0 5.43221 17.8403; 1407 0 5.65526 17.3262
479. 1408 0 14.786 17.4514; 1409 0 14.7271 18.2653; 1410 0 15.0496 18.0628
480. 1411 0 1.4423 17.2967; 1412 0 1.59562 17.7737; 1413 0 0.998592 18.0601
481. 1414 0 1.0067 17.6585; 1415 0 0.349161 17.9091; 1416 0 0.573078 17.3884
482. 1417 0 21.6601 17.5248; 1418 0 21.7453 17.272; 1419 0 21.3133 17.2748
483. 1420 0 3.55 18.8267; 1421 0 3.3207 18.5676; 1422 0 3.06235 18.826
484. 1423 0 2.55467 18.7861; 1424 0 2.32886 18.2664; 1425 0 7.91567 17.7719
485. 1426 0 7.24468 17.7891; 1427 0 7.70524 18.055; 1428 0 13.3373 18.8249
486. 1429 0 13.079 18.5666; 1430 0 12.85 18.8267; 1431 0 15.4932 18.3002
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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

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487. 1432 0 15.3417 17.9499; 1433 0 15.229 18.5069; 1434 0 7.68333 18.8456
488. 1435 0 7.40656 18.5688; 1436 0 7.16667 18.8267; 1437 0 8.75499 18.7861
489. 1438 0 8.52924 18.2664; 1439 0 11.8553 17.3262; 1440 0 12.1612 17.5906
490. 1441 0 12.3622 17.285; 1442 0 22.9588 17.6361; 1443 0 23.1815 17.3008
491. 1444 0 22.7161 17.3455; 1445 0 16.6388 17.5906; 1446 0 16.9447 17.3262
492. 1447 0 16.4378 17.285; 1448 0 12.621 18.5666; 1449 0 12.3627 18.8249
493. 1450 0 18.707 17.7786; 1451 0 18.8564 18.0387; 1452 0 19.05 17.7983
494. 1453 0 18.8907 17.532; 1454 0 12.6205 17.5434; 1455 0 12.85 17.2833
495. 1456 0 10.5066 18.5689; 1457 0 10.2667 18.8267; 1458 0 23.2947 18.23
496. 1459 0 22.3612 18.6084; 1460 0 22.136 18.826; 1461 0 18.5743 17.5293
497. 1462 0 18.6436 17.2717; 1463 0 18.2373 17.2867; 1464 0 9.2622 17.2851
498. 1465 0 9.52053 17.5434; 1466 0 9.75 17.2833; 1467 0 17.886 17.4514
499. 1468 0 17.8271 18.2653; 1469 0 18.1496 18.0628; 1470 0 16.945 18.7861
500. 1471 0 16.6366 18.5189; 1472 0 16.4373 18.8249; 1473 0 15.95 18.8267
501. 1474 0 16.179 18.5666; 1475 0 19.8705 17.8663; 1476 0 19.8689 18.2399
502. 1477 0 20.2708 18.2664; 1478 0 20.2678 17.8403; 1479 0 3.90138 17.7631
503. 1480 0 3.67219 17.5195; 1481 0 3.52296 17.7834; 1482 0 3.75167 18.0323
504. 1483 0 15.6916 18.5683; 1484 0 15.4333 18.8267; 1485 0 21.1523 18.7728
505. 1486 0 21.6427 18.8182; 1487 0 21.4328 18.5058; 1488 0 21.8777 18.5677
506. 1489 0 14.9551 18.7831; 1490 0 2.86269 18.5199; 1491 0 8.92903 17.8664
507. 1492 0 8.53221 17.8403; 1493 0 8.93056 18.2401; 1494 0 12.3351 18.0547
508. 1495 0 12.4529 17.7965; 1496 0 12.0295 17.8663; 1497 0 20.045 18.7861
509. 1498 0 19.7366 18.5189; 1499 0 19.5373 18.8249; 1500 0 19.2165 18.055
510. 1501 0 19.4471 17.7965; 1502 0 19.2795 17.5434; 1503 0 5.82903 17.8664
511. 1504 0 5.42924 18.2664; 1505 0 5.83056 18.2401; 1506 0 8.75526 17.3262
512. 1507 0 9.06116 17.5907; 1508 0 18.0551 18.7831; 1509 0 17.1708 18.2664
513. 1510 0 1.07595 17.2796; 1511 0 10.7833 17.2644; 1512 0 11.0157 17.7719
514. 1513 0 0.554965 18.8166; 1514 0 0.400285 18.3399; 1515 0 13.5388 17.5906
515. 1516 0 13.8447 17.3262; 1517 0 13.3378 17.285; 1518 0 2.7282 17.8664
516. 1519 0 2.33192 17.8403; 1520 0 2.72961 18.2401; 1521 0 2.55503 17.3262
517. 1522 0 9.75 18.8267; 1523 0 9.52086 18.5676; 1524 0 9.26251 18.826
518. 1525 0 15.7564 18.0387; 1526 0 15.95 18.3117; 1527 0 23.4112 17.7998
519. 1528 0 22.8611 17.9701; 1529 0 19.05 18.8267; 1530 0 18.7916 18.5683
520. 1531 0 18.5333 18.8267; 1532 0 19.279 18.5666; 1533 0 18.5932 18.3002
521. 1534 0 18.4417 17.9499; 1535 0 18.329 18.5069; 1536 0 4.73068 17.4241
522. 1537 0 4.37487 17.2737; 1538 0 4.3025 17.6284; 1539 0 6.42086 18.5676
523. 1540 0 6.65 18.8267; 1541 0 4.77741 18.2435; 1542 0 4.54989 18.7685
524. 1543 0 20.9291 18.2624; 1544 0 3.51834 17.2584; 1545 0 3.06207 17.2851
525. 1546 0 3.29336 17.5285; 1547 0 6.90834 18.5683; 1548 0 21.8103 17.7817
526. 1549 0 22.0268 18.0851; 1550 0 22.2824 17.8698; 1551 0 22.053 17.562
527. 1552 0 16.7705 17.8663; 1553 0 16.7689 18.2399; 1554 0 17.1678 17.8403
528. 1555 0 4.16893 17.9124; 1556 0 4.01484 18.2938; 1557 0 4.27169 18.4903
529. 1558 0 4.46185 18.0525; 1559 0 3.55 18.3117; 1560 0 3.80834 18.5683
530. 1561 0 19.0676 17.2718; 1562 0 19.5378 17.285; 1563 0 22.2147 17.3047
531. 1564 0 22.5144 17.6333; 1565 0 10.5066 17.5411; 1566 0 10.3447 17.7891
532. 1567 0 10.8052 18.055; 1568 0 10.2667 17.2833; 1569 0 14.0708 18.2664
533. 1570 0 13.845 18.7861; 1571 0 6.1622 17.2851; 1572 0 6.42053 17.5434
534. 1573 0 6.65 17.2833; 1574 0 7.91567 18.3381; 1575 0 13.5366 18.5189
535. 1576 0 13.0795 17.5434; 1577 0 11.855 18.7861; 1578 0 11.6292 18.2664
536. 1579 0 12.1634 18.5189; 1580 0 10.0084 17.5417; 1581 0 10.0084 18.5683
537. 1582 0 4.06667 18.8267; 1583 0 13.6705 17.8663; 1584 0 13.6689 18.2399
538. 1585 0 14.0678 17.8403; 1586 0 16.1795 17.5434; 1587 0 15.9676 17.2718
539. 1588 0 6.90834 17.5417; 1589 0 7.24468 18.3209; 1590 0 21.7035 18.3087
540. 1591 0 21.543 17.9453; 1592 0 21.2479 18.0895; 1593 0 9.06318 18.5198
541. 1594 0 5.96116 17.5907; 1595 0 10.3447 18.3209; 1596 0 6.25281 17.7966
542. 1597 0 6.48354 18.055; 1598 0 6.65 17.7983; 1599 0 2.86072 17.5906
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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: 9841259154

543. 1600 0 9.35281 17.7966; 1601 0 9.58354 18.055; 1602 0 9.75 17.7983
544. 1603 0 0.921569 18.8318; 1604 0 11.6322 17.8403; 1605 0 6.97701 18.055
545. 1606 0 22.1964 18.3504; 1607 0 22.6021 18.2036; 1608 0 0.989927 18.4584
546. 1609 0 12.0311 18.2399; 1610 0 10.077 18.055; 1611 0 9.75 18.3117
547. 1612 0 3.03375 18.0548; 1613 0 3.1493 17.7953; 1614 0 3.95648 17.2642
548. 1615 0 6.13462 18.0548; 1616 0 18.3354 17.6679; 1617 0 13.0165 18.055
549. 1618 0 13.2471 17.7965; 1619 0 12.85 17.7983; 1620 0 21.4109 17.6577
550. 1621 0 20.9691 17.4339; 1622 0 16.3471 17.7965; 1623 0 16.4649 18.0547
551. 1624 0 15.4743 17.5293; 1625 0 15.5436 17.2717; 1626 0 15.1373 17.2867
552. 1627 0 19.7388 17.5906; 1628 0 20.0447 17.3262; 1629 0 16.1165 18.055
553. 1630 0 15.95 17.7983; 1631 0 3.38323 18.055; 1632 0 19.05 18.3117
554. 1633 0 13.3649 18.0547; 1634 0 13.2466 18.3131; 1635 0 12.85 18.3117
555. 1636 0 12.6835 18.055; 1637 0 4.03639 17.5156; 1638 0 15.7907 17.532
556. 1639 0 9.23462 18.0548; 1640 0 19.5649 18.0547; 1641 0 19.4466 18.3131
557. 1642 0 6.65 18.3117; 1643 0 12.4534 18.3131; 1644 0 16.3465 18.3131
558. 1645 0 9.35326 18.314; 1646 0 15.2354 17.6679; 1647 0 15.607 17.7786
559. 1648 0 6.25326 18.314; 1649 0 3.15276 18.3141; 1650 0 1.70695 18.6565
560. 1651 0 5.91403 18.8013; 1652 0 7.42039 17.2785; 1653 0 22.8521 18.7833
561. 1654 0 11.0352 18.7097; 1655 0 5.38645 17.4329; 1656 0 14.7478 17.852
562. 1657 0 1.69305 17.4143; 1658 0 1.31441 17.9398; 1659 0 0.293239 17.4553
563. 1660 0 21.5242 17.2771; 1661 0 3.30618 18.8263; 1662 0 2.28547 18.6769
564. 1663 0 7.56804 17.7893; 1664 0 13.0937 18.8258; 1665 0 15.2846 18.2
565. 1666 0 7.42039 18.8315; 1667 0 8.48564 18.6769; 1668 0 12.1132 17.3097
566. 1669 0 22.9447 17.3232; 1670 0 16.6868 17.3097; 1671 0 12.6063 18.8258
567. 1672 0 18.878 17.7874; 1673 0 12.6061 17.2842; 1674 0 10.5204 18.8315
568. 1675 0 23.3726 18.6463; 1676 0 22.3848 18.8467; 1677 0 18.4405 17.2762
569. 1678 0 9.5061 17.2842; 1679 0 17.8478 17.852; 1680 0 16.6859 18.8007
570. 1681 0 16.1937 18.8258; 1682 0 20.0695 18.0532; 1683 0 3.71085 17.7752
571. 1684 0 15.6916 18.8267; 1685 0 21.3991 18.8002; 1686 0 21.8847 18.8263
572. 1687 0 15.2008 18.8066; 1688 0 2.81378 18.8013; 1689 0 8.73026 18.0533
573. 1690 0 12.2465 17.8258; 1691 0 19.7859 18.8007; 1692 0 19.249 17.798
574. 1693 0 5.63026 18.0533; 1694 0 8.48645 17.4329; 1695 0 9.01324 17.3098
575. 1696 0 17.7878 18.6823; 1697 0 17.2143 18.6769; 1698 0 0.845112 17.3391
576. 1699 0 1.24459 17.191; 1700 0 11.0352 17.4003; 1701 0 0.304071 18.6986
577. 1702 0 13.5868 17.3097; 1703 0 2.52965 18.0533; 1704 0 2.28632 17.4329
578. 1705 0 9.50626 18.8263; 1706 0 15.7228 18.3047; 1707 0 23.1293 17.8973
579. 1708 0 18.7916 18.8267; 1709 0 19.2937 18.8258; 1710 0 18.3846 18.2
580. 1711 0 4.55595 17.3429; 1712 0 6.40626 18.8263; 1713 0 4.81724 18.6667
581. 1714 0 20.8856 18.6752; 1715 0 20.3144 18.6769; 1716 0 3.29251 17.2768
582. 1717 0 6.90834 18.8267; 1718 0 7.93517 17.4003; 1719 0 22.0394 17.8217
583. 1720 0 16.9695 18.0532; 1721 0 4.22818 18.1818; 1722 0 3.78121 18.3015
584. 1723 0 19.2939 17.2842; 1724 0 22.4622 17.3279; 1725 0 10.668 17.7893
585. 1726 0 10.5204 17.2785; 1727 0 14.1144 18.6769; 1728 0 14.6878 18.6823
586. 1729 0 6.4061 17.2842; 1730 0 7.93517 18.7097; 1731 0 13.5859 18.8007
587. 1732 0 13.0939 17.2842; 1733 0 11.5856 18.6769; 1734 0 12.1141 18.8007
588. 1735 0 10.0084 17.2833; 1736 0 10.0084 18.8267; 1737 0 3.80834 18.8267
589. 1738 0 13.8695 18.0532; 1739 0 14.1135 17.4329; 1740 0 5.38564 18.6769
590. 1741 0 16.1939 17.2842; 1742 0 6.90834 17.2833; 1743 0 7.56804 18.3207
591. 1744 0 21.4835 18.2118; 1745 0 23.4329 17.4128; 1746 0 9.01403 18.8013
592. 1747 0 5.91324 17.3098; 1748 0 10.668 18.3207; 1749 0 6.45096 17.798
593. 1750 0 2.81306 17.3098; 1751 0 9.55096 17.798; 1752 0 0.753165 18.9211
594. 1753 0 17.2135 17.4329; 1754 0 11.5865 17.4329; 1755 0 6.94501 17.796
595. 1756 0 4.30331 18.7926; 1757 0 21.9511 18.328; 1758 0 22.4828 18.4096
596. 1759 0 1.15312 18.773; 1760 0 11.8305 18.0532; 1761 0 10.045 18.314
597. 1762 0 2.94566 17.8259; 1763 0 3.74047 17.2572; 1764 0 6.0463 17.8259
598. 1765 0 18.5292 17.7462; 1766 0 13.049 17.798; 1767 0 21.6094 17.7231

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

599. 1768 0 20.9375 17.8363; 1769 0 16.5535 17.8258; 1770 0 15.3405 17.2762
600. 1771 0 19.7868 17.3097; 1772 0 4.76534 17.8223; 1773 0 16.149 17.798
601. 1774 0 3.33721 17.7906; 1775 0 18.8228 18.3047; 1776 0 18.3008 18.8066
602. 1777 0 20.3135 17.4329; 1778 0 10.045 17.796; 1779 0 13.4535 17.8258
603. 1780 0 13.452 18.2829; 1781 0 13.0488 18.312; 1782 0 12.651 17.798
604. 1783 0 4.09124 17.7109; 1784 0 4.1666 17.2713; 1785 0 21.1379 17.3478
605. 1786 0 21.9778 17.2837; 1787 0 15.7473 17.2752; 1788 0 18.0579 17.3618
606. 1789 0 18.8473 17.2752; 1790 0 9.1463 17.8259; 1791 0 19.6535 17.8258
607. 1792 0 19.6521 18.2829; 1793 0 19.2488 18.312; 1794 0 6.94501 18.314
608. 1795 0 12.6512 18.312; 1796 0 12.248 18.2829; 1797 0 16.552 18.2829
609. 1798 0 16.1488 18.312; 1799 0 9.55183 18.3141; 1800 0 9.14767 18.2836
610. 1801 0 22.5621 17.9163; 1802 0 14.9579 17.3618; 1803 0 15.778 17.7874
611. 1804 0 6.45112 18.3125; 1805 0 6.04767 18.2836; 1806 0 3.35088 18.3125
612. 1807 0 2.94696 18.2836; 1808 0 0.682952 18.1771; 1809 0 15.4292 17.7462
613. 1810 1.52 0 33.53; 1811 1.52 2 33.53; 1812 1.52 5.1 33.53; 1813 1.52 8.2 33.53
614. 1814 1.52 11.3 33.53; 1815 1.52 14.4 33.53; 1816 1.52 17.5 33.53
615. 1817 1.52 20.6 33.53; 1818 8.12 0 33.53; 1819 8.12 2 33.53
616. 1820 8.12 5.1 33.53; 1821 8.12 8.2 33.53; 1822 8.12 11.3 33.53
617. 1823 8.12 14.4 33.53; 1824 8.12 17.5 33.53; 1825 8.12 20.6 33.53
618. 1826 10.19 0 38.83
619. MEMBER INCIDENCES
620. 1 1 23; 2 2 24; 3 3 25; 4 4 26; 5 5 27; 6 6 28; 7 7 29; 8 8 30; 9 9 1169
621. 10 10 813; 11 11 33; 12 12 1263; 13 13 1030; 14 14 36; 15 15 37; 16 16 38
622. 17 17 39; 18 18 40; 19 19 41; 20 20 42; 21 21 43; 22 22 44; 23 23 45; 24 24 46
623. 25 25 47; 26 26 48; 27 27 49; 28 28 50; 29 29 51; 30 30 52; 31 31 1173
624. 32 32 810; 33 33 55; 34 34 1259; 35 35 1027; 36 36 58; 37 37 59; 38 38 60
625. 39 39 61; 40 40 62; 41 41 63; 42 42 64; 43 43 65; 44 44 66; 45 23 24; 46 24 81
626. 48 31 817; 49 34 1034; 50 36 37; 51 37 74; 52 32 75; 53 42 40; 54 40 38
627. 55 38 33; 56 33 30; 57 30 79; 58 26 25; 59 27 23; 60 31 67; 61 67 77; 62 67 29
628. 63 29 68; 64 28 82; 65 68 30; 66 68 78; 67 34 1267; 68 35 32; 69 36 34
629. 71 41 69; 72 43 41; 73 43 71; 74 41 1811; 75 39 73; 76 69 36; 77 69 39
630. 78 44 70; 79 70 42; 80 71 44; 81 72 1819; 82 71 72; 83 73 40; 84 72 73
631. 85 74 38; 86 73 74; 87 75 33; 88 74 76; 89 76 75; 90 35 76; 91 77 27; 92 78 28
632. 93 77 78; 94 79 26; 95 28 80; 96 80 79; 97 81 25; 98 80 83; 99 82 24
633. 100 83 81; 101 82 83; 102 75 68; 103 45 46; 104 46 88; 105 49 85; 106 50 89
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635. 113 49 99; 114 84 48; 115 50 96; 116 85 45; 117 86 91; 118 85 86; 119 87 84
636. 120 88 47; 121 87 90; 122 89 86; 123 90 92; 124 89 90; 125 91 46; 126 92 88
637. 127 91 92; 128 53 93; 129 93 94; 131 51 107; 132 93 51; 133 94 49; 134 95 52
638. 135 96 87; 136 95 102; 137 97 105; 138 94 98; 139 98 161; 140 99 101
639. 141 98 99; 142 100 97; 143 101 50; 144 100 101; 145 102 97; 146 103 104
640. 147 102 103; 148 104 84; 149 105 96; 150 105 104; 151 53 820; 152 54 111
641. 153 106 55; 154 107 95; 155 106 118; 156 56 1037; 157 56 1270; 158 57 54
642. 159 58 59; 160 58 56; 161 59 112; 162 108 60; 163 108 126; 164 109 115
643. 165 57 113; 166 110 109; 167 111 106; 168 110 114; 169 112 108; 170 113 110
644. 171 112 113; 172 114 116; 173 115 117; 174 114 115; 175 116 111; 176 117 106
645. 177 116 117; 178 118 120; 179 119 121; 180 118 122; 181 120 107; 182 121 52
646. 183 120 123; 184 122 124; 185 123 125; 186 122 123; 187 124 119; 188 125 121
647. 189 124 125; 190 126 109; 191 127 55; 192 126 127; 193 63 142; 194 61 128
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651. 213 136 137; 214 138 129; 215 139 1820; 216 140 62; 217 139 147; 218 141 149
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653. 225 144 145; 226 146 145; 227 146 61; 228 147 141; 229 148 150; 230 147 148
654. 231 149 140; 232 150 62; 233 149 150; 234 66 151; 235 151 64; 236 152 154

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: 9841691849

655. 237 153 139; 238 152 157; 239 154 66; 240 154 158; 241 155 63; 242 156 159
656. 243 155 156; 244 157 156; 245 158 160; 246 157 158; 247 159 153; 248 160 139
657. 249 159 160; 250 161 100; 251 51 161; 252 45 162; 253 46 163; 254 47 164
658. 255 48 165; 256 49 166; 257 50 167; 258 51 168; 259 52 169; 260 53 1179
659. 261 54 805; 262 55 172; 263 56 1253; 264 57 1022; 265 58 175; 266 59 176
660. 267 60 177; 268 61 178; 269 62 179; 270 63 180; 271 64 181; 272 65 182
661. 273 66 183; 274 162 163; 275 163 188; 276 166 185; 277 167 189; 278 169 203
662. 279 165 164; 280 181 248; 281 179 231; 282 177 227; 283 172 219; 284 166 199
663. 285 184 165; 286 167 196; 287 185 162; 288 186 191; 289 185 186; 290 187 184
664. 291 188 164; 292 187 190; 293 189 186; 294 190 192; 295 189 190; 296 191 163
665. 297 192 188; 298 191 192; 299 170 193; 300 193 194; 301 168 207; 302 193 168
666. 303 194 166; 305 196 187; 306 195 202; 307 197 205; 308 194 198; 309 198 261
667. 310 199 201; 311 198 199; 312 200 197; 313 201 167; 314 200 201; 315 202 197
668. 316 203 204; 317 202 203; 318 204 184; 319 205 196; 320 205 204; 321 170 823
669. 322 171 211; 324 207 195; 325 206 218; 326 173 1040; 327 173 1273; 328 174 171
670. 329 175 176; 330 175 173; 331 176 212; 333 208 226; 334 209 215; 335 174 213
671. 336 210 209; 337 211 206; 338 210 214; 339 212 208; 340 213 210; 341 212 213
672. 342 214 216; 343 215 217; 344 214 215; 345 216 211; 346 217 206; 347 216 217
673. 349 219 221; 350 218 262; 352 221 169; 354 222 268; 355 223 269; 357 224 219
674. 358 225 221; 359 224 225; 360 226 209; 361 227 172; 362 226 227; 363 180 242
675. 364 178 228; 365 228 240; 367 229 178; 368 229 175; 369 180 238; 370 182 255
676. 371 182 252; 373 231 233; 375 232 208; 376 233 177; 377 232 264; 378 234 266
677. 379 235 267; 381 236 231; 382 237 233; 383 236 237; 384 238 229; 385 239 1821
678. 387 239 247; 388 241 249; 389 238 243; 390 242 1813; 391 243 246; 392 242 243
679. 393 244 253; 394 245 241; 395 244 245; 396 246 245; 397 246 178; 398 247 241
680. 399 248 250; 400 247 248; 401 249 240; 402 250 179; 403 249 250; 404 183 251
681. 405 251 181; 406 252 254; 407 253 239; 408 252 257; 409 254 183; 410 254 258
682. 411 255 180; 412 256 259; 413 255 256; 414 257 256; 415 258 260; 416 257 258
683. 417 259 253; 418 260 239; 419 259 260; 420 261 200; 421 168 261; 422 262 222
684. 423 262 263; 424 263 195; 425 263 223; 426 264 235; 427 240 265; 428 265 264
685. 429 265 234; 430 266 236; 431 267 237; 432 266 267; 433 268 224; 434 269 225
686. 435 268 269; 436 95 195; 437 118 218; 438 106 206; 439 108 208; 440 132 232
687. 441 140 240; 444 162 270; 445 163 271; 446 164 272; 447 165 273; 448 166 274
688. 449 167 275; 450 168 276; 451 169 277; 452 170 1185; 453 171 800; 454 172 280
689. 455 173 1247; 456 174 1017; 457 175 283; 458 176 284; 459 177 285; 460 178 286
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691. 467 271 296; 468 274 293; 469 275 297; 470 277 311; 471 273 272; 472 289 354
692. 473 287 337; 474 285 334; 475 280 327; 476 274 307; 477 292 273; 478 275 304
693. 479 293 270; 480 294 299; 481 293 294; 482 295 292; 483 296 272; 484 295 298
694. 485 297 294; 486 298 300; 487 297 298; 488 299 271; 489 300 296; 490 299 300
695. 491 278 301; 492 301 302; 493 276 315; 494 301 276; 495 302 274; 496 304 295
696. 497 303 310; 498 305 313; 499 302 306; 500 306 367; 501 307 309; 502 306 307
697. 503 308 305; 504 309 275; 505 308 309; 506 310 305; 507 311 312; 508 310 311
698. 509 312 292; 510 313 304; 511 313 312; 512 278 826; 513 279 319; 514 315 303
699. 515 314 326; 516 281 1043; 517 281 1276; 518 282 279; 519 283 284; 520 283 281
700. 521 284 320; 522 316 333; 523 317 323; 524 282 321; 525 318 317; 526 319 314
701. 527 318 322; 528 320 316; 529 321 318; 530 320 321; 531 322 324; 532 323 325
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703. 539 328 277; 540 329 374; 541 330 375; 542 331 327; 543 332 328; 544 331 332
704. 545 333 317; 546 334 280; 547 333 334; 548 288 348; 549 286 335; 550 335 346
705. 551 336 286; 552 336 283; 553 288 344; 554 290 361; 555 290 358; 556 337 339
706. 557 338 316; 558 339 285; 559 338 370; 560 340 372; 561 341 373; 562 342 337
707. 563 343 339; 564 342 343; 565 344 336; 566 345 1822; 567 345 353; 568 347 355
708. 569 344 349; 570 348 1814; 571 349 352; 572 348 349; 573 350 359; 574 351 347
709. 575 350 351; 576 352 351; 577 352 286; 578 353 347; 579 354 356; 580 353 354
710. 581 355 346; 582 356 287; 583 355 356; 584 291 357; 585 357 289; 586 358 360

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

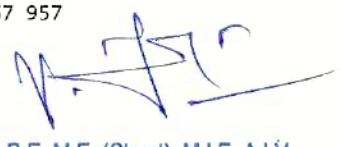
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712. 593 361 362; 594 363 362; 595 364 366; 596 363 364; 597 365 359; 598 366 345
713. 599 365 366; 600 367 308; 601 276 367; 602 368 329; 603 368 369; 604 369 303
714. 605 369 330; 606 370 341; 607 346 371; 608 371 370; 609 371 340; 610 372 342
715. 611 373 343; 612 372 373; 613 374 331; 614 375 332; 615 374 375; 616 195 303
716. 617 218 326; 618 206 314; 619 208 316; 620 232 338; 621 240 346; 624 270 376
717. 625 271 377; 626 272 378; 627 273 379; 628 274 380; 629 275 381; 630 276 382
718. 631 277 383; 632 278 1191; 633 279 795; 634 280 386; 635 281 1241
719. 636 282 1012; 637 283 389; 638 284 390; 639 285 391; 640 286 392; 641 287 393
720. 642 288 394; 643 289 395; 644 290 396; 645 291 397; 646 376 377; 647 377 402
721. 648 380 399; 649 381 403; 650 383 417; 651 379 378; 652 395 460; 653 393 443
722. 654 391 440; 655 386 433; 656 380 413; 657 398 379; 658 381 410; 659 399 376
723. 660 400 405; 661 399 400; 662 401 398; 663 402 378; 664 401 404; 665 403 400
724. 666 404 406; 667 403 404; 668 405 377; 669 406 402; 670 405 406; 671 384 407
725. 672 407 408; 673 382 421; 674 407 382; 675 408 380; 676 410 401; 677 409 416
726. 678 411 419; 679 408 412; 680 412 473; 681 413 415; 682 412 413; 683 414 411
727. 684 415 381; 685 414 415; 686 416 411; 687 417 418; 688 416 417; 689 418 398
728. 690 419 410; 691 419 418; 692 384 829; 693 385 425; 694 421 409; 695 420 432
729. 696 387 1046; 697 387 1279; 698 388 385; 699 389 390; 700 389 387; 701 390 426
730. 702 422 439; 703 423 429; 704 388 427; 705 424 423; 706 425 420; 707 424 428
731. 708 426 422; 709 427 424; 710 426 427; 711 428 430; 712 429 431; 713 428 429
732. 714 430 425; 715 431 420; 716 430 431; 717 433 434; 718 432 474; 719 434 383
733. 720 435 480; 721 436 481; 722 437 433; 723 438 434; 724 437 438; 725 439 423
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735. 732 442 389; 733 394 450; 734 396 467; 735 396 464; 736 443 445; 737 444 422
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741. 768 464 469; 769 466 397; 770 466 470; 771 467 394; 772 468 471; 773 467 468
742. 774 469 468; 775 470 472; 776 469 470; 777 471 465; 778 472 451; 779 471 472
743. 780 473 414; 781 382 473; 782 474 435; 783 474 475; 784 475 409; 785 475 436
744. 786 476 447; 787 452 477; 788 477 476; 789 477 446; 790 478 448; 791 479 449
745. 792 478 479; 793 480 437; 794 481 438; 795 480 481; 796 303 409; 797 326 432
746. 798 314 420; 799 316 422; 800 338 444; 801 346 452; 804 376 482; 805 377 483
747. 806 378 484; 807 379 485; 808 380 486; 809 381 487; 810 382 488; 811 383 489
748. 812 384 1197; 813 385 790; 814 386 492; 815 387 1235; 816 388 1007
749. 817 389 495; 818 390 496; 819 391 497; 820 392 498; 821 393 499; 822 394 500
750. 823 395 501; 824 396 502; 825 397 503; 826 482 483; 827 483 508; 828 486 505
751. 829 487 509; 830 489 523; 831 485 484; 832 501 566; 833 499 549; 834 497 546
752. 835 492 539; 836 486 519; 837 504 485; 838 487 516; 839 505 482; 840 506 511
753. 841 505 506; 842 507 504; 843 508 484; 844 507 510; 845 509 506; 846 510 512
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755. 853 488 527; 854 513 488; 855 514 486; 856 516 507; 857 515 522; 858 517 525
756. 859 514 518; 860 518 579; 861 519 521; 862 518 519; 863 520 517; 864 521 487
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763. 901 542 587; 902 543 539; 903 544 540; 904 543 544; 905 545 529; 906 546 492
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765. 913 500 556; 914 502 573; 915 502 570; 916 549 551; 917 550 528; 918 551 497
766. 919 550 582; 920 552 584; 921 553 585; 922 554 549; 923 555 551; 924 554 555

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

767. 925 556 548; 926 557 1824; 927 557 565; 928 559 567; 929 556 561; 930 560 1816
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769. 937 564 498; 938 565 559; 939 566 568; 940 565 566; 941 567 558; 942 568 499
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774. 967 558 583; 968 583 582; 969 583 552; 970 584 554; 971 585 555; 972 584 585
775. 973 586 543; 974 587 544; 975 586 587; 976 409 515; 977 432 538; 978 420 526
776. 979 422 528; 980 444 550; 981 452 558; 984 482 588; 985 483 589; 986 484 590
777. 987 485 591; 988 486 592; 989 487 593; 990 488 594; 991 489 595; 992 490 1203
778. 993 491 785; 994 492 598; 995 493 1229; 996 494 1002; 997 495 601; 998 496 602
779. 999 497 603; 1000 498 604; 1001 499 605; 1002 500 606; 1003 501 607
780. 1004 502 608; 1005 503 609; 1006 588 589; 1007 589 614; 1008 592 611
781. 1009 593 615; 1010 595 629; 1011 591 590; 1012 607 672; 1013 605 655
782. 1014 603 652; 1015 598 645; 1016 592 625; 1017 610 591; 1018 593 622
783. 1019 611 588; 1020 612 617; 1021 611 612; 1022 613 610; 1023 614 590
784. 1024 613 616; 1025 615 612; 1026 616 618; 1027 615 616; 1028 617 589
785. 1029 618 614; 1030 617 618; 1031 596 619; 1032 619 620; 1033 594 633
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787. 1039 620 624; 1040 624 685; 1041 625 627; 1042 624 625; 1043 626 623
788. 1044 627 593; 1045 626 627; 1046 628 623; 1047 629 630; 1048 628 629
789. 1049 630 610; 1050 631 622; 1051 631 630; 1052 596 835; 1053 597 637
790. 1054 633 621; 1055 632 644; 1056 599 1052; 1057 599 1285; 1058 600 597
791. 1059 601 602; 1060 601 599; 1061 602 638; 1062 634 651; 1063 635 641
792. 1064 600 639; 1065 636 635; 1066 637 632; 1067 636 640; 1068 638 634
793. 1069 639 636; 1070 638 639; 1071 640 642; 1072 641 643; 1073 640 641
794. 1074 642 637; 1075 643 632; 1076 642 643; 1077 645 646; 1078 644 686
795. 1079 646 595; 1080 647 692; 1081 648 693; 1082 649 645; 1083 650 646
796. 1084 649 650; 1085 651 635; 1086 652 598; 1087 651 652; 1088 606 666
797. 1089 604 653; 1090 653 664; 1091 654 604; 1092 654 601; 1093 606 662
798. 1094 608 679; 1095 608 676; 1096 655 657; 1097 656 634; 1098 657 603
799. 1099 656 688; 1100 658 690; 1101 659 691; 1102 660 655; 1103 661 657
800. 1104 660 661; 1105 662 654; 1106 663 1825; 1107 663 671; 1108 665 673
801. 1109 662 667; 1110 666 1817; 1111 667 670; 1112 666 667; 1113 668 677
802. 1114 669 665; 1115 668 669; 1116 670 669; 1117 670 604; 1118 671 665
803. 1119 672 674; 1120 671 672; 1121 673 664; 1122 674 605; 1123 673 674
804. 1124 609 675; 1125 675 607; 1126 676 678; 1127 677 663; 1128 676 681
805. 1129 678 609; 1130 678 682; 1131 679 606; 1132 680 683; 1133 679 680
806. 1134 681 680; 1135 682 684; 1136 681 682; 1137 683 677; 1138 684 663
807. 1139 683 684; 1140 685 626; 1141 594 685; 1142 686 647; 1143 686 687
808. 1144 687 621; 1145 687 648; 1146 688 659; 1147 664 689; 1148 689 688
809. 1149 689 658; 1150 690 660; 1151 691 661; 1152 690 691; 1153 692 649
810. 1154 693 650; 1155 692 693; 1156 515 621; 1157 538 644; 1158 526 632
811. 1159 528 634; 1160 550 656; 1161 558 664; 1164 596 1209; 1165 597 780
812. 1166 599 1223; 1167 600 997; 1168 601 698; 1169 602 699; 1170 694 773
813. 1171 695 704; 1172 696 990; 1173 696 1217; 1174 697 695; 1175 698 699
814. 1176 698 696; 1177 699 705; 1178 701 711; 1179 702 708; 1180 697 706
815. 1181 703 702; 1182 704 700; 1184 705 701; 1185 706 703; 1188 708 710
816. 1191 710 700; 1193 711 702; 1194 632 700; 1195 634 701; 1196 588 712
817. 1197 589 713; 1198 592 714; 1199 593 715; 1200 712 713; 1201 713 719
818. 1202 714 716; 1203 715 720; 1205 715 725; 1206 716 712; 1207 717 722
819. 1209 718 721; 1210 720 717; 1211 721 723; 1213 722 713; 1214 723 719
820. 1215 722 723; 1217 725 718; 1225 731 592; 1228 733 714; 1229 734 715
821. 1230 733 734; 1231 735 1170; 1232 736 1171; 1233 737 1172; 1234 738 1174
822. 1235 739 1175; 1236 740 1176; 1237 741 1177; 1238 742 1178; 1239 743 1180

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

823. 1240 744 1181; 1241 745 1182; 1242 746 1183; 1243 747 1184; 1244 748 1186
824. 1245 749 1187; 1246 750 1188; 1247 751 1189; 1248 752 1190; 1249 753 1192
825. 1250 754 1193; 1251 755 1194; 1252 756 1195; 1253 757 1196; 1254 758 1198
826. 1255 759 1199; 1256 760 1200; 1257 761 1201; 1258 762 1202; 1259 763 1204
827. 1260 764 1205; 1261 765 1206; 1262 766 1207; 1263 767 1208; 1264 768 1210
828. 1265 769 1211; 1266 770 1212; 1267 771 1213; 1268 772 1214; 1269 773 774
829. 1270 774 775; 1271 775 695; 1272 776 695; 1273 777 776; 1274 778 777
830. 1275 779 778; 1276 780 779; 1277 781 597; 1278 782 781; 1279 783 782
831. 1280 784 783; 1281 785 784; 1282 786 491; 1283 787 786; 1284 788 787
832. 1285 789 788; 1286 790 789; 1287 791 385; 1288 792 791; 1289 793 792
833. 1290 794 793; 1291 795 794; 1292 796 279; 1293 797 796; 1294 798 797
834. 1295 799 798; 1296 800 799; 1297 801 171; 1298 802 801; 1299 803 802
835. 1300 804 803; 1301 805 804; 1302 806 54; 1303 807 806; 1304 808 807
836. 1305 809 808; 1306 810 809; 1307 811 32; 1308 812 811; 1309 813 812
837. 1310 817 818; 1311 818 819; 1312 819 32; 1313 820 821; 1314 821 822
838. 1315 822 54; 1316 823 824; 1317 824 825; 1318 825 171; 1319 826 827
839. 1320 827 828; 1321 828 279; 1322 829 830; 1323 830 831; 1324 831 385
840. 1325 832 833; 1326 833 834; 1327 834 491; 1328 835 836; 1329 836 837
841. 1330 837 597; 1515 952 1262; 1516 953 1261; 1517 954 1260; 1518 955 1258
842. 1519 956 1257; 1520 957 1256; 1521 958 1255; 1522 959 1254; 1523 960 1252
843. 1524 961 1251; 1525 962 1250; 1526 963 1249; 1527 964 1248; 1528 965 1246
844. 1529 966 1245; 1530 967 1244; 1531 968 1243; 1532 969 1242; 1533 970 1240
845. 1534 971 1239; 1535 972 1238; 1536 973 1237; 1537 974 1236; 1538 975 1234
846. 1539 976 1233; 1540 977 1232; 1541 978 1231; 1542 979 1230; 1543 980 1228
847. 1544 981 1227; 1545 982 1226; 1546 983 1225; 1547 984 1224; 1548 985 1222
848. 1549 986 1221; 1550 987 1220; 1551 988 1219; 1552 989 1218; 1553 990 991
849. 1554 991 992; 1555 992 697; 1556 993 697; 1557 994 993; 1558 995 994
850. 1559 996 995; 1560 997 996; 1561 998 600; 1562 999 998; 1563 1000 999
851. 1564 1001 1000; 1565 1002 1001; 1566 1003 494; 1567 1004 1003; 1568 1005 1004
852. 1569 1006 1005; 1570 1007 1006; 1571 1008 388; 1572 1009 1008; 1573 1010 1009
853. 1574 1011 1010; 1575 1012 1011; 1576 1013 282; 1577 1014 1013; 1578 1015 1014
854. 1579 1016 1015; 1580 1017 1016; 1581 1018 174; 1582 1019 1018; 1583 1020 1019
855. 1584 1021 1020; 1585 1022 1021; 1586 1023 57; 1587 1024 1023; 1588 1025 1024
856. 1589 1026 1025; 1590 1027 1026; 1591 1028 35; 1592 1029 1028; 1593 1030 1029
857. 1594 1034 1035; 1595 1035 1036; 1596 1036 35; 1597 1037 1038; 1598 1038 1039
858. 1599 1039 57; 1600 1040 1041; 1601 1041 1042; 1602 1042 174; 1603 1043 1044
859. 1604 1044 1045; 1605 1045 282; 1606 1046 1047; 1607 1047 1048; 1608 1048 388
860. 1609 1049 1050; 1610 1050 1051; 1611 1051 494; 1612 1052 1053; 1613 1053 1054
861. 1614 1054 600; 1799 1169 735; 1800 1170 736; 1801 1171 737; 1802 1172 31
862. 1803 1173 738; 1804 1174 739; 1805 1175 740; 1806 1176 741; 1807 1177 742
863. 1808 1178 53; 1809 1179 743; 1810 1180 744; 1811 1181 745; 1812 1182 746
864. 1813 1183 747; 1814 1184 170; 1815 1185 748; 1816 1186 749; 1817 1187 750
865. 1818 1188 751; 1819 1189 752; 1820 1190 278; 1821 1191 753; 1822 1192 754
866. 1823 1193 755; 1824 1194 756; 1825 1195 757; 1826 1196 384; 1827 1197 758
867. 1828 1198 759; 1829 1199 760; 1830 1200 761; 1831 1201 762; 1832 1202 490
868. 1833 1203 763; 1834 1204 764; 1835 1205 765; 1836 1206 766; 1837 1207 767
869. 1838 1208 596; 1839 1209 768; 1840 1210 769; 1841 1211 770; 1842 1212 771
870. 1843 1213 772; 1844 1214 694; 1845 1215 694; 1846 1216 1215; 1847 1217 1216
871. 1848 1218 696; 1849 1219 989; 1850 1220 988; 1851 1221 987; 1852 1222 986
872. 1853 1223 985; 1854 1224 599; 1855 1225 984; 1856 1226 983; 1857 1227 982
873. 1858 1228 981; 1859 1229 980; 1860 1230 493; 1861 1231 979; 1862 1232 978
874. 1863 1233 977; 1864 1234 976; 1865 1235 975; 1866 1236 387; 1867 1237 974
875. 1868 1238 973; 1869 1239 972; 1870 1240 971; 1871 1241 970; 1872 1242 281
876. 1873 1243 969; 1874 1244 968; 1875 1245 967; 1876 1246 966; 1877 1247 965
877. 1878 1248 173; 1879 1249 964; 1880 1250 963; 1881 1251 962; 1882 1252 961
878. 1883 1253 960; 1884 1254 56; 1885 1255 959; 1886 1256 958; 1887 1257 957



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

879. 1888 1258 956; 1889 1259 955; 1890 1260 34; 1891 1261 954; 1892 1262 953
880. 1893 1263 952; 1894 1267 1268; 1895 1268 1269; 1896 1269 31; 1897 1270 1271
881. 1898 1271 1272; 1899 1272 53; 1900 1273 1274; 1901 1274 1275; 1902 1275 170
882. 1903 1276 1277; 1904 1277 1278; 1905 1278 278; 1906 1279 1280; 1907 1280 1281
883. 1908 1281 384; 1909 1282 1283; 1910 1283 1284; 1911 1284 490; 1912 1285 1286
884. 1913 1286 1287; 1914 1287 596; 2553 1811 72; 2554 1810 1811; 2555 1812 144
885. 2556 1811 1812; 2557 1813 244; 2558 1812 1813; 2559 1814 350; 2560 1813 1814
886. 2561 1815 456; 2562 1814 1815; 2563 1816 562; 2564 1815 1816; 2565 1817 668
887. 2566 1816 1817; 2567 1819 42; 2568 1818 1819; 2569 1820 64; 2570 1819 1820
888. 2571 1821 181; 2572 1820 1821; 2573 1822 289; 2574 1821 1822; 2575 1823 395
889. 2576 1822 1823; 2577 1824 501; 2578 1823 1824; 2579 1825 607; 2580 1824 1825
890. 2581 1826 70; 2582 70 151; 2583 151 251; 2584 251 357; 2585 357 463
891. 2586 463 569; 2587 569 675
892. ELEMENT INCIDENCES SHELL
893. 1331 815 914 911 814; 1332 839 774 775 838; 1333 865 863 918 936
894. 1334 772 694 773 841; 1335 878 876 940 941; 1336 825 884 800 171
895. 1337 909 907 811 812; 1338 736 737 912 913; 1339 822 894 805 54
896. 1340 840 838 776 777; 1341 742 53 820 903; 1342 913 912 928 951
897. 1343 737 31 817 912; 1344 899 897 806 807; 1345 879 877 796 797
898. 1346 897 822 54 806; 1347 871 869 792 793; 1348 857 834 491 786
899. 1349 596 768 850 835; 1350 920 938 862 864; 1351 384 758 870 829
900. 1352 854 852 784 785; 1353 490 763 860 832; 1354 874 872 794 795
901. 1355 831 864 790 385; 1356 930 839 838 840; 1357 767 596 835 853
902. 1358 884 882 799 800; 1359 819 904 810 32; 1360 278 753 880 826
903. 1361 826 880 923 827; 1362 771 772 841 845; 1363 841 773 774 839
904. 1364 852 851 783 784; 1365 759 760 866 868; 1366 768 769 848 850
905. 1367 762 490 832 863; 1368 918 833 834 857; 1369 861 859 787 788
906. 1370 738 739 908 910; 1371 907 819 32 811; 1372 755 756 875 876
907. 1373 875 873 921 939; 1374 867 831 385 791; 1375 945 924 887 889
908. 1376 898 896 946 947; 1377 894 892 804 805; 1378 850 848 932 916
909. 1379 837 844 780 597; 1380 893 823 824 924; 1381 747 170 823 893
910. 1382 882 881 798 799; 1383 855 853 917 933; 1384 919 935 852 854
911. 1385 741 742 903 905; 1386 901 899 807 808; 1387 53 743 900 820
912. 1388 821 927 894 822; 1389 887 825 171 801; 1390 889 887 801 802
913. 1391 862 861 788 789; 1392 926 821 822 897; 1393 752 278 826 883
914. 1394 827 923 874 828; 1395 834 854 785 491; 1396 9 735 915 816
915. 1397 765 766 855 856; 1398 856 855 933 934; 1399 823 890 925 824
916. 1400 944 943 881 882; 1401 847 837 597 781; 1402 170 748 890 823
917. 1403 766 767 853 855; 1404 851 849 782 783; 1405 911 909 812 813
918. 1406 877 828 279 796; 1407 828 874 795 279; 1408 864 862 789 790
919. 1409 824 925 884 825; 1410 750 751 885 886; 1411 743 744 898 900
920. 1412 745 746 895 896; 1413 873 829 830 921; 1414 757 384 829 873
921. 1415 740 741 905 906; 1416 939 921 867 869; 1417 746 747 893 895
922. 1418 891 889 802 803; 1419 744 745 896 898; 1420 735 736 913 915
923. 1421 816 915 914 815; 1422 31 738 910 817; 1423 835 850 916 836
924. 1424 833 919 854 834; 1425 748 749 888 890; 1426 830 920 864 831
925. 1427 829 870 920 830; 1428 883 826 827 922; 1429 817 910 929 818
926. 1430 764 765 856 858; 1431 763 764 858 860; 1432 836 916 844 837
927. 1433 844 843 779 780; 1434 910 908 950 929; 1435 904 902 809 810
928. 1436 924 824 825 887; 1437 931 930 840 842; 1438 843 842 778 779
929. 1439 892 891 803 804; 1440 937 936 859 861; 1441 820 900 927 821
930. 1442 927 947 892 894; 1443 912 817 818 928; 1444 928 818 819 907
931. 1445 880 878 941 923; 1446 814 911 813 10; 1447 903 820 821 926
932. 1448 849 847 781 782; 1449 933 917 847 849; 1450 842 840 777 778
933. 1451 917 836 837 847; 1452 881 879 797 798; 1453 853 835 836 917
934. 1454 872 871 793 794; 1455 818 929 904 819; 1456 950 949 901 902

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

935. 1457 949 948 899 901; 1458 948 926 897 899; 1459 753 754 878 880
936. 1460 940 939 869 871; 1461 869 867 791 792; 1462 923 941 872 874
937. 1463 845 841 839 930; 1464 922 827 828 877; 1465 921 830 831 867
938. 1466 860 858 935 919; 1467 832 860 919 833; 1468 890 888 944 925
939. 1469 756 757 873 875; 1470 936 918 857 859; 1471 938 937 861 862
940. 1472 896 895 945 946; 1473 916 932 843 844; 1474 754 755 876 878
941. 1475 863 832 833 918; 1476 769 770 846 848; 1477 914 951 909 911
942. 1478 905 903 926 948; 1479 749 750 886 888; 1480 758 759 868 870
943. 1481 760 761 865 866; 1482 868 866 937 938; 1483 929 950 902 904
944. 1484 900 898 947 927; 1485 886 885 942 943; 1486 942 922 877 879
945. 1487 739 740 906 908; 1488 915 913 951 914; 1489 751 752 883 885
946. 1490 770 771 845 846; 1491 866 865 936 937; 1492 858 856 934 935
947. 1493 859 857 786 787; 1494 932 931 842 843; 1495 888 886 943 944
948. 1496 902 901 808 809; 1497 838 775 695 776; 1498 761 762 863 865
949. 1499 943 942 879 881; 1500 876 875 939 940; 1501 846 845 930 931
950. 1502 906 905 948 949; 1503 935 934 851 852; 1504 925 944 882 884
951. 1505 885 883 922 942; 1506 941 940 871 872; 1507 947 946 891 892
952. 1508 946 945 889 891; 1509 951 928 907 909; 1510 908 906 949 950
953. 1511 895 893 924 945; 1512 848 846 931 932; 1513 870 868 938 920
954. 1514 934 933 849 851; 1615 1032 1131 1128 1031; 1616 1056 991 992 1055
955. 1617 1082 1080 1135 1153; 1618 989 696 990 1058; 1619 1095 1093 1157 1158
956. 1620 1042 1101 1017 174; 1621 1126 1124 1028 1029; 1622 953 954 1129 1130
957. 1623 1039 1111 1022 57; 1624 1057 1055 993 994; 1625 959 56 1037 1120
958. 1626 1130 1129 1145 1168; 1627 954 34 1034 1129; 1628 1116 1114 1023 1024
959. 1629 1096 1094 1013 1014; 1630 1114 1039 57 1023; 1631 1088 1086 1009 1010
960. 1632 1074 1051 494 1003; 1633 599 985 1067 1052; 1634 1137 1155 1079 1081
961. 1635 387 975 1087 1046; 1636 1071 1069 1001 1002; 1637 493 980 1077 1049
962. 1638 1091 1089 1011 1012; 1639 1048 1081 1007 388; 1640 1147 1056 1055 1057
963. 1641 984 599 1052 1070; 1642 1101 1099 1016 1017; 1643 1036 1121 1027 35
964. 1644 281 970 1097 1043; 1645 1043 1097 1140 1044; 1646 988 989 1058 1062
965. 1647 1058 990 991 1056; 1648 1069 1068 1000 1001; 1649 976 977 1083 1085
966. 1650 985 986 1065 1067; 1651 979 493 1049 1080; 1652 1135 1050 1051 1074
967. 1653 1078 1076 1004 1005; 1654 955 956 1125 1127; 1655 1124 1036 35 1028
968. 1656 972 973 1092 1093; 1657 1092 1090 1138 1156; 1658 1084 1048 388 1008
969. 1659 1162 1141 1104 1106; 1660 1115 1113 1163 1164; 1661 1111 1109 1021 1022
970. 1662 1067 1065 1149 1133; 1663 1054 1061 997 600; 1664 1110 1040 1041 1141
971. 1665 964 173 1040 1110; 1666 1099 1098 1015 1016; 1667 1072 1070 1134 1150
972. 1668 1136 1152 1069 1071; 1669 958 959 1120 1122; 1670 1118 1116 1024 1025
973. 1671 56 960 1117 1037; 1672 1038 1144 1111 1039; 1673 1104 1042 174 1018
974. 1674 1106 1104 1018 1019; 1675 1079 1078 1005 1006; 1676 1143 1038 1039 1114
975. 1677 969 281 1043 1100; 1678 1044 1140 1091 1045; 1679 1051 1071 1002 494
976. 1680 12 952 1132 1033; 1681 982 983 1072 1073; 1682 1073 1072 1150 1151
977. 1683 1040 1107 1142 1041; 1684 1161 1160 1098 1099; 1685 1064 1054 600 998
978. 1686 173 965 1107 1040; 1687 983 984 1070 1072; 1688 1068 1066 999 1000
979. 1689 1128 1126 1029 1030; 1690 1094 1045 282 1013; 1691 1045 1091 1012 282
980. 1692 1081 1079 1006 1007; 1693 1041 1142 1101 1042; 1694 967 968 1102 1103
981. 1695 960 961 1115 1117; 1696 962 963 1112 1113; 1697 1090 1046 1047 1138
982. 1698 974 387 1046 1090; 1699 957 958 1122 1123; 1700 1156 1138 1084 1086
983. 1701 963 964 1110 1112; 1702 1108 1106 1019 1020; 1703 961 962 1113 1115
984. 1704 952 953 1130 1132; 1705 1033 1132 1131 1032; 1706 34 955 1127 1034
985. 1707 1052 1067 1133 1053; 1708 1050 1136 1071 1051; 1709 965 966 1105 1107
986. 1710 1047 1137 1081 1048; 1711 1046 1087 1137 1047; 1712 1100 1043 1044 1139
987. 1713 1034 1127 1146 1035; 1714 981 982 1073 1075; 1715 980 981 1075 1077
988. 1716 1053 1133 1061 1054; 1717 1061 1060 996 997; 1718 1127 1125 1167 1146
989. 1719 1121 1119 1026 1027; 1720 1141 1041 1042 1104; 1721 1148 1147 1057 1059
990. 1722 1060 1059 995 996; 1723 1109 1108 1020 1021; 1724 1154 1153 1076 1078

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

991. 1725 1037 1117 1144 1038; 1726 1144 1164 1109 1111; 1727 1129 1034 1035 1145
992. 1728 1145 1035 1036 1124; 1729 1097 1095 1158 1140; 1730 1031 1128 1030 13
993. 1731 1120 1037 1038 1143; 1732 1066 1064 998 999; 1733 1150 1134 1064 1066
994. 1734 1059 1057 994 995; 1735 1134 1053 1054 1064; 1736 1098 1096 1014 1015
995. 1737 1070 1052 1053 1134; 1738 1089 1088 1010 1011; 1739 1035 1146 1121 1036
996. 1740 1167 1166 1118 1119; 1741 1166 1165 1116 1118; 1742 1165 1143 1114 1116
997. 1743 970 971 1095 1097; 1744 1157 1156 1086 1088; 1745 1086 1084 1008 1009
998. 1746 1140 1158 1089 1091; 1747 1062 1058 1056 1147; 1748 1139 1044 1045 1094
999. 1749 1138 1047 1048 1084; 1750 1077 1075 1152 1136; 1751 1049 1077 1136 1050
1000. 1752 1107 1105 1161 1142; 1753 973 974 1090 1092; 1754 1153 1135 1074 1076
1001. 1755 1155 1154 1078 1079; 1756 1113 1112 1162 1163; 1757 1133 1149 1060 1061
1002. 1758 971 972 1093 1095; 1759 1080 1049 1050 1135; 1760 986 987 1063 1065
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3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

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1157. 2339 1584 1738 1569 1357; 2340 1583 1738 1584 1336; 2341 1196 384 1281 1739
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BLOCK-2, MODEL SCHOOL ROAD
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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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1215. 2513 1494 1387 1643 1796; 2514 1797 1553 1355 1471; 2515 1644 1797 1471 1300
1216. 2516 1388 1623 1797 1644; 2517 1526 1798 1474 1301; 2518 1347 1629 1798 1526
1217. 2519 1629 1388 1644 1798; 2520 1799 1611 1313 1523; 2521 1645 1799 1523 1315
1218. 2522 1390 1601 1799 1645; 2523 1493 1800 1593 1359; 2524 1341 1639 1800 1493
1219. 2525 1639 1390 1645 1800; 2526 1550 1801 1607 1345; 2527 1292 1564 1801 1550
1220. 2528 1564 1290 1528 1801; 2529 1197 758 1626 1802; 2530 1802 1626 1305 1646
1221. 2531 1408 1802 1646 1337; 2532 1638 1304 1630 1803; 2533 1803 1630 1347 1525
1222. 2534 1647 1803 1525 1378; 2535 1804 1642 1319 1539; 2536 1648 1804 1539 1321
1223. 2537 1391 1597 1804 1648; 2538 1505 1805 1396 1360; 2539 1343 1615 1805 1505
1224. 2540 1615 1391 1648 1805; 2541 1806 1559 1325 1421; 2542 1649 1806 1421 1327
1225. 2543 1385 1631 1806 1649; 2544 1520 1807 1490 1362; 2545 1344 1612 1807 1520
1226. 2546 1612 1385 1649 1807; 2547 1514 1808 1608 1330; 2548 1265 1415 1808 1514
1227. 2549 1415 1375 1413 1808; 2550 1646 1809 1432 1337; 2551 1305 1624 1809 1646
1228. 2552 1624 1377 1647 1809
1229. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1230. PARAMETRIC MODEL MESHED SURFACE 3
1231. TYPE WALL
1232. MESH PARAM 0.75 4 1
1233. MESH ORG 0 1 47
1234. BOUNDARY 94
1235. 9 0 0 735 0 0 736 0 0 737 0 0 31 0 0 738 0 0 739 0 0 740 0 0 741 0 0 742 0 0 -
1236. 53 0 0 743 0 0 744 0 0 745 0 0 746 0 0 747 0 0 170 0 0 748 0 0 749 0 0 -
1237. 750 0 0 751 0 0 752 0 0 278 0 0 753 0 0 754 0 0 755 0 0 756 0 0 757 0 0 -
1238. 384 0 0 758 0 0 759 0 0 760 0 0 761 0 0 762 0 0 490 0 0 763 0 0 764 0 0 -
1239. 765 0 0 766 0 0 767 0 0 596 0 0 768 0 0 769 0 0 770 0 0 771 0 0 772 0 0 -
1240. 694 0 0 696 0 0 989 0 0 988 0 0 987 0 0 986 0 0 985 0 0 599 0 0 984 0 0 -
1241. 983 0 0 982 0 0 981 0 0 980 0 0 493 0 0 979 0 0 978 0 0 977 0 0 976 0 0 -
1242. 975 0 0 387 0 0 974 0 0 973 0 0 972 0 0 971 0 0 970 0 0 281 0 0 969 0 0 -
1243. 968 0 0 967 0 0 966 0 0 965 0 0 173 0 0 964 0 0 963 0 0 962 0 0 961 0 0 -
1244. 960 0 0 56 0 0 959 0 0 958 0 0 957 0 0 956 0 0 955 0 0 34 0 0 954 0 0 -
1245. 953 0 0 952 0 0 12 0 0
1246. DENSITY LINE 0 2 19.085 1 0 2 17.025 1 0
1247. DENSITY LINE 0 5.1 19.085 1 0 5.1 17.025 1 0
1248. DENSITY LINE 0 8.2 19.085 1 0 8.2 17.025 1 0
1249. DENSITY LINE 0 11.3 19.085 1 0 11.3 17.025 1 0
1250. DENSITY LINE 0 14.4 19.085 1 0 14.4 17.025 1 0
1251. DENSITY LINE 0 17.5 19.085 1 0 17.5 17.025 1 0
1252. DENSITY LINE 0 20.6 19.085 1 0 20.6 17.025 1 0
1253. GENERATED NODES 1169 TO 1809
1254. GENERATED PLATES PLATE 1915 TO 2552
1255. END
1256. !> END GENERATED DATA BLOCK
1257. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1258. PARAMETRIC MODEL MESHED SURFACE 2
1259. TYPE WALL
1260. MESH PARAM 0.75 4 1
1261. MESH ORG 0 1 9
1262. BOUNDARY 18
1263. 12 0 0 34 0 0 56 0 0 173 0 0 281 0 0 387 0 0 493 0 0 599 0 0 696 0 0 697 0 0 -
1264. 600 0 0 494 0 0 388 0 0 282 0 0 174 0 0 57 0 0 35 0 0 13 0 0
1265. DENSITY LINE 0 2 19.085 1 1.88 2 19.085 1 0
1266. DENSITY LINE 0 5.1 19.085 1 1.88 5.1 19.085 1 0
1267. DENSITY LINE 0 8.2 19.085 1 1.88 8.2 19.085 1 0
1268. DENSITY LINE 0 11.3 19.085 1 1.88 11.3 19.085 1 0
1269. DENSITY LINE 0 14.4 19.085 1 1.88 14.4 19.085 1 0
1270. DENSITY LINE 0 17.5 19.085 1 1.88 17.5 19.085 1 0
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V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
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1271. DENSITY LINE 0 20.6 19.085 1 1.88 20.6 19.085 1 0
1272. GENERATED NODES 952 TO 1168
1273. GENERATED PLATES PLATE 1615 TO 1798
1274. END
1275. !> END GENERATED DATA BLOCK
1276. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1277. PARAMETRIC MODEL MESHED SURFACE 1
1278. TYPE WALL
1279. MESH PARAM 0.75 4 1
1280. MESH ORG 0 1 9
1281. BOUNDARY 18
1282. 9 0 0 31 0 0 53 0 0 170 0 0 278 0 0 384 0 0 490 0 0 596 0 0 694 0 0 695 0 0 -
1283. 597 0 0 491 0 0 385 0 0 279 0 0 171 0 0 54 0 0 32 0 0 10 0 0
1284. DENSITY LINE 0 2 17.025 1 1.88 2 17.025 1 0
1285. DENSITY LINE 0 5.1 17.025 1 1.88 5.1 17.025 1 0
1286. DENSITY LINE 0 8.2 17.025 1 1.88 8.2 17.025 1 0
1287. DENSITY LINE 0 11.3 17.025 1 1.88 11.3 17.025 1 0
1288. DENSITY LINE 0 14.4 17.025 1 1.88 14.4 17.025 1 0
1289. DENSITY LINE 0 17.5 17.025 1 1.88 17.5 17.025 1 0
1290. DENSITY LINE 0 20.6 17.025 1 1.88 20.6 17.025 1 0
1291. GENERATED NODES 735 TO 951
1292. GENERATED PLATES PLATE 1331 TO 1514
1293. END
1294. !> END GENERATED DATA BLOCK
1295. START GROUP DEFINITION
1296. FLOOR
1297. _WT 1200 1202 1203 1206 1207 1210 1213 1228 TO 1230
1298. _HEADROOM 1170 TO 1182 1184 1185 1188 1191 1193 1269 TO 1271 1553 TO 1555 -
1299. 1845 TO 1847
1300. END GROUP DEFINITION
1301. ELEMENT PROPERTY
1302. 1331 TO 1514 1615 TO 1798 1915 TO 2552 THICKNESS 0.23
1303. DEFINE MATERIAL START
1304. ISOTROPIC CONCRETE
1305. E 2.17185E+07
1306. POISSON 0.17
1307. DENSITY 23.5616
1308. ALPHA 1E-05
1309. DAMP 0.05
1310. G 9.28139E+06
1311. TYPE CONCRETE
1312. STRENGTH FCU 27579
1313. END DEFINE MATERIAL
1314. MEMBER PROPERTY
1315. 1 23 252 254 259 262 267 269 436 438 439 441 444 446 451 454 459 461 616 618 -
1316. 619 621 624 626 631 634 639 641 796 798 799 801 804 806 811 814 819 821 976 -
1317. 978 979 981 984 986 991 994 999 1001 1156 1158 1159 1161 1194 TO 1195 -
1318. 1196 PRIS YD 0.23 ZD 0.45
1319. 9 12 TO 14 31 34 TO 36 260 263 TO 265 437 440 452 455 TO 457 617 620 632 635 -
1320. 636 TO 637 797 800 812 815 TO 817 977 980 992 995 TO 997 1157 1160 1164 1166 -
1321. 1167 TO 1168 1231 TO 1268 1515 TO 1552 1556 TO 1593 1799 TO 1844 -
1322. 1848 TO 1893 2583 TO 2587 PRIS YD 0.45 ZD 0.23
1323. 4 26 PRIS YD 0.3 ZD 0.6
1324. 19 TO 22 41 TO 44 2554 2556 2568 2570 PRIS YD 0.6 ZD 0.3
1325. 2 5 24 27 253 255 256 445 447 448 625 627 628 805 807 808 985 987 988 1197 -
1326. 1198 PRIS YD 0.23 ZD 0.6
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V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
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1327. 7 8 11 16 TO 18 29 30 33 38 TO 40 PRIS YD 0.75 ZD 0.45
1328. 258 261 266 268 270 TO 273 450 453 458 460 462 TO 465 630 633 638 640 642 -
1329. 643 TO 645 810 813 818 820 822 TO 825 990 993 998 1000 1002 TO 1005 1165 -
1330. 1169 1272 TO 1301 2558 2560 2562 2564 2566 2572 2574 2576 2578 -
1331. 2580 PRIS YD 0.6 ZD 0.23
1332. 10 15 32 37 1302 TO 1309 PRIS YD 0.75 ZD 0.38
1333. 107 114 146 148 278 285 316 318 470 477 507 509 650 657 687 689 830 837 867 -
1334. 869 1010 1017 1047 1049 PRIS YD 0.75 ZD 0.23
1335. 45 46 48 TO 69 71 TO 102 132 193 197 201 215 220 223 234 236 237 239 301 302 -
1336. 324 363 TO 365 367 371 385 390 393 404 406 407 409 493 494 514 548 TO 551 -
1337. 555 566 570 573 584 586 587 589 673 674 694 728 TO 731 735 746 750 753 764 -
1338. 766 767 769 853 854 874 908 TO 911 915 926 930 933 944 946 947 949 1033 -
1339. 1034 1054 1088 TO 1091 1095 1106 1110 1113 1124 1126 1127 1129 1200 1202 -
1340. 1203 1206 1207 1210 1213 1228 TO 1230 1310 TO 1312 1594 TO 1596 -
1341. 1894 TO 1896 2553 2555 2557 2559 2561 2563 2565 2567 2569 2571 2573 2575 -
1342. 2577 2579 PRIS YD 0.6 ZD 0.23
1343. 131 134 151 TO 155 159 161 162 167 169 178 181 194 TO 196 202 205 216 1313 -
1344. 1314 TO 1315 PRIS YD 0.8 ZD 0.75
1345. 103 TO 106 108 TO 113 115 TO 129 133 135 TO 145 147 149 150 156 TO 158 160 -
1346. 163 TO 166 168 170 TO 177 179 180 182 TO 192 198 TO 200 203 204 206 TO 214 -
1347. 217 TO 219 221 222 224 TO 233 235 238 240 TO 251 274 TO 277 279 TO 284 286 -
1348. 287 TO 300 303 305 TO 315 317 319 TO 322 325 TO 331 333 TO 347 349 350 352 -
1349. 354 355 357 TO 362 368 TO 370 373 375 TO 379 381 TO 384 387 TO 389 391 392 -
1350. 394 TO 403 405 408 410 TO 435 466 TO 469 471 TO 476 478 TO 492 495 TO 506 -
1351. 508 510 TO 513 515 TO 547 552 TO 554 556 TO 565 567 TO 569 571 572 -
1352. 574 TO 583 585 588 590 TO 615 646 TO 649 651 TO 656 658 TO 672 675 TO 686 -
1353. 688 690 TO 693 695 TO 727 732 TO 734 736 TO 745 747 TO 749 751 752 -
1354. 754 TO 763 765 768 770 TO 795 826 TO 829 831 TO 836 838 TO 852 855 TO 866 -
1355. 868 870 TO 873 875 TO 907 912 TO 914 916 TO 925 927 TO 929 931 932 -
1356. 934 TO 943 945 948 950 TO 975 1006 TO 1009 1011 TO 1016 1018 TO 1032 1035 -
1357. 1036 TO 1046 1048 1050 TO 1053 1055 TO 1087 1092 TO 1094 1096 TO 1105 1107 -
1358. 1108 TO 1109 1111 1112 1114 TO 1123 1125 1128 1130 TO 1155 1170 TO 1182 1184 -
1359. 1185 1188 1191 1193 1201 1205 1209 1211 1214 1215 1217 1225 1269 TO 1271 -
1360. 1316 PRIS YD 0.45 ZD 0.23
1361. 1317 TO 1330 1553 TO 1555 1597 TO 1614 1845 TO 1847 1897 TO 1913 -
1362. 1914 PRIS YD 0.45 ZD 0.23
1363. 3 6 25 28 257 449 629 809 989 1199 PRIS YD 0.3 ZD 0.6
1364. 2581 2582 PRIS YD 0.45 ZD 0.3
1365. CONSTANTS
1366. MATERIAL CONCRETE ALL
1367. SUPPORTS
1368. 1 TO 22 814 TO 816 1031 TO 1033 1264 TO 1266 1810 1818 1826 FIXED
1369. DEFINE REFERENCE LOADS
1370. LOAD R1 LOADTYPE MASS  TITLE REF MASS MODEL
1371. MEMBER LOAD
1372. 106 119 121 TO 124 131 135 136 140 143 TO 145 147 155 178 180 181 183 TO 186 -
1373. 194 196 202 204 205 207 TO 210 215 217 218 220 223 TO 226 228 230 231 233 -
1374. 242 245 247 TO 250 277 290 292 TO 295 301 305 TO 307 310 312 TO 315 317 319 -
1375. 320 324 325 350 354 355 364 375 377 TO 379 385 387 388 390 393 395 396 398 -
1376. 401 403 412 415 417 TO 420 422 423 425 TO 435 469 482 484 TO 487 493 496 -
1377. 497 TO 498 501 503 TO 506 508 510 511 514 515 538 540 541 549 557 559 TO 561 -
1378. 566 TO 568 570 573 575 576 578 581 583 592 595 597 TO 600 602 603 -
1379. 605 TO 615 649 662 664 TO 667 673 676 TO 678 681 683 TO 686 688 690 691 694 -
1380. 695 718 720 721 729 737 739 TO 741 746 TO 748 750 753 755 756 758 761 763 -
1381. 772 775 777 TO 780 782 783 785 TO 795 829 842 844 TO 847 853 856 TO 858 861 -
1382. 863 TO 866 868 870 871 874 875 898 900 901 909 917 919 TO 921 926 TO 928 -
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1383. 930 933 935 936 938 941 943 952 955 957 TO 960 962 963 965 TO 975 2555 2557 -
1384. 2559 2561 2563 2569 2571 2573 2575 2577 UNI GX 5
1385. 106 119 121 TO 124 131 135 136 140 143 TO 145 147 155 178 180 181 183 TO 186 -
1386. 194 196 202 204 205 207 TO 210 215 217 218 220 223 TO 226 228 230 231 233 -
1387. 242 245 247 TO 250 277 290 292 TO 295 301 305 TO 307 310 312 TO 315 317 319 -
1388. 320 324 325 350 354 355 364 375 377 TO 379 385 387 388 390 393 395 396 398 -
1389. 401 403 412 415 417 TO 420 422 423 425 TO 435 469 482 484 TO 487 493 496 -
1390. 497 TO 498 501 503 TO 506 508 510 511 514 515 538 540 541 549 557 559 TO 561 -
1391. 566 TO 568 570 573 575 576 578 581 583 592 595 597 TO 600 602 603 -
1392. 605 TO 615 649 662 664 TO 667 673 676 TO 678 681 683 TO 686 688 690 691 694 -
1393. 695 718 720 721 729 737 739 TO 741 746 TO 748 750 753 755 756 758 761 763 -
1394. 772 775 777 TO 780 782 783 785 TO 795 829 842 844 TO 847 853 856 TO 858 861 -
1395. 863 TO 866 868 870 871 874 875 898 900 901 909 917 919 TO 921 926 TO 928 -
1396. 930 933 935 936 938 941 943 952 955 957 TO 960 962 963 965 TO 975 2555 2557 -
1397. 2559 2561 2563 2569 2571 2573 2575 2577 UNI GY 5
1398. 106 119 121 TO 124 131 135 136 140 143 TO 145 147 155 178 180 181 183 TO 186 -
1399. 194 196 202 204 205 207 TO 210 215 217 218 220 223 TO 226 228 230 231 233 -
1400. 242 245 247 TO 250 277 290 292 TO 295 301 305 TO 307 310 312 TO 315 317 319 -
1401. 320 324 325 350 354 355 364 375 377 TO 379 385 387 388 390 393 395 396 398 -
1402. 401 403 412 415 417 TO 420 422 423 425 TO 435 469 482 484 TO 487 493 496 -
1403. 497 TO 498 501 503 TO 506 508 510 511 514 515 538 540 541 549 557 559 TO 561 -
1404. 566 TO 568 570 573 575 576 578 581 583 592 595 597 TO 600 602 603 -
1405. 605 TO 615 649 662 664 TO 667 673 676 TO 678 681 683 TO 686 688 690 691 694 -
1406. 695 718 720 721 729 737 739 TO 741 746 TO 748 750 753 755 756 758 761 763 -
1407. 772 775 777 TO 780 782 783 785 TO 795 829 842 844 TO 847 853 856 TO 858 861 -
1408. 863 TO 866 868 870 871 874 875 898 900 901 909 917 919 TO 921 926 TO 928 -
1409. 930 933 935 936 938 941 943 952 955 957 TO 960 962 963 965 TO 975 2555 2557 -
1410. 2559 2561 2563 2569 2571 2573 2575 2577 UNI GZ 5
1411. MEMBER LOAD
1412. 45 46 64 92 93 99 TO 101 105 107 TO 114 116 TO 118 120 125 TO 128 132 138 -
1413. 139 141 146 148 163 164 166 171 173 174 176 177 182 187 TO 191 193 197 198 -
1414. 200 206 211 TO 214 219 221 222 227 229 232 234 235 238 TO 241 243 244 246 -
1415. 251 276 278 TO 285 287 TO 289 291 296 TO 299 302 308 309 311 316 318 333 -
1416. 334 341 343 344 346 347 352 357 TO 361 363 367 368 370 376 381 TO 383 389 -
1417. 391 392 397 399 402 404 405 408 TO 411 413 414 416 421 468 470 TO 477 479 -
1418. 480 TO 481 483 488 TO 491 494 499 500 502 507 509 522 523 530 532 533 535 -
1419. 536 539 542 TO 546 548 551 552 554 558 562 TO 564 569 571 572 577 579 582 -
1420. 584 585 588 TO 591 593 594 596 601 648 650 TO 657 659 TO 661 663 668 TO 671 -
1421. 674 679 680 682 687 689 702 703 710 712 713 715 716 719 722 TO 726 728 731 -
1422. 732 734 738 742 TO 744 749 751 752 757 759 762 764 765 768 TO 771 773 774 -
1423. 776 781 828 830 TO 837 839 TO 841 843 848 TO 851 854 859 860 862 867 869 -
1424. 882 883 890 892 893 895 896 899 902 TO 906 908 911 912 914 918 922 TO 924 -
1425. 929 931 932 937 939 942 944 945 948 TO 951 953 954 956 961 1009 1018 1020 -
1426. 1024 TO 1026 1028 1029 1036 1062 TO 1064 1072 1075 1085 UNI GX 6
1427. 45 46 64 92 93 99 TO 101 105 107 TO 114 116 TO 118 120 125 TO 128 132 138 -
1428. 139 141 146 148 163 164 166 171 173 174 176 177 182 187 TO 191 193 197 198 -
1429. 200 206 211 TO 214 219 221 222 227 229 232 234 235 238 TO 241 243 244 246 -
1430. 251 276 278 TO 285 287 TO 289 291 296 TO 299 302 308 309 311 316 318 333 -
1431. 334 341 343 344 346 347 352 357 TO 361 363 367 368 370 376 381 TO 383 389 -
1432. 391 392 397 399 402 404 405 408 TO 411 413 414 416 421 468 470 TO 477 479 -
1433. 480 TO 481 483 488 TO 491 494 499 500 502 507 509 522 523 530 532 533 535 -
1434. 536 539 542 TO 546 548 551 552 554 558 562 TO 564 569 571 572 577 579 582 -
1435. 584 585 588 TO 591 593 594 596 601 648 650 TO 657 659 TO 661 663 668 TO 671 -
1436. 674 679 680 682 687 689 702 703 710 712 713 715 716 719 722 TO 726 728 731 -
1437. 732 734 738 742 TO 744 749 751 752 757 759 762 764 765 768 TO 771 773 774 -
1438. 776 781 828 830 TO 837 839 TO 841 843 848 TO 851 854 859 860 862 867 869 -
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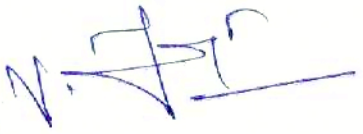
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1441. 1024 TO 1026 1028 1029 1036 1062 TO 1064 1072 1075 1085 UNI GY 6
1442. 45 46 64 92 93 99 TO 101 105 107 TO 114 116 TO 118 120 125 TO 128 132 138 -
1443. 139 141 146 148 163 164 166 171 173 174 176 177 182 187 TO 191 193 197 198 -
1444. 200 206 211 TO 214 219 221 222 227 229 232 234 235 238 TO 241 243 244 246 -
1445. 251 276 278 TO 285 287 TO 289 291 296 TO 299 302 308 309 311 316 318 333 -
1446. 334 341 343 344 346 347 352 357 TO 361 363 367 368 370 376 381 TO 383 389 -
1447. 391 392 397 399 402 404 405 408 TO 411 413 414 416 421 468 470 TO 477 479 -
1448. 480 TO 481 483 488 TO 491 494 499 500 502 507 509 522 523 530 532 533 535 -
1449. 536 539 542 TO 546 548 551 552 554 558 562 TO 564 569 571 572 577 579 582 -
1450. 584 585 588 TO 591 593 594 596 601 648 650 TO 657 659 TO 661 663 668 TO 671 -
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1452. 732 734 738 742 TO 744 749 751 752 757 759 762 764 765 768 TO 771 773 774 -
1453. 776 781 828 830 TO 837 839 TO 841 843 848 TO 851 854 859 860 862 867 869 -
1454. 882 883 890 892 893 895 896 899 902 TO 906 908 911 912 914 918 922 TO 924 -
1455. 929 931 932 937 939 942 944 945 948 TO 951 953 954 956 961 1009 1018 1020 -
1456. 1024 TO 1026 1028 1029 1036 1062 TO 1064 1072 1075 1085 UNI GZ 6
1457. MEMBER LOAD
1458. 52 90 165 192 335 362 524 547 704 727 884 907 UNI GX 7
1459. 52 90 165 192 335 362 524 547 704 727 884 907 UNI GY 7
1460. 52 90 165 192 335 362 524 547 704 727 884 907 UNI GZ 7
1461. MEMBER LOAD
1462. 48 TO 51 59 67 TO 69 91 151 152 156 TO 161 167 169 321 322 326 TO 331 337 -
1463. 339 512 513 516 TO 521 526 528 692 693 696 TO 701 706 708 872 873 -
1464. 876 TO 881 886 888 1052 1053 1056 TO 1061 1066 1068 1310 TO 1330 -
1465. 1594 TO 1614 1894 TO 1914 UNI GX 13
1466. 48 TO 51 59 67 TO 69 91 151 152 156 TO 161 167 169 321 322 326 TO 331 337 -
1467. 339 512 513 516 TO 521 526 528 692 693 696 TO 701 706 708 872 873 -
1468. 876 TO 881 886 888 1052 1053 1056 TO 1061 1066 1068 1310 TO 1330 -
1469. 1594 TO 1614 1894 TO 1914 UNI GY 13
1470. 48 TO 51 59 67 TO 69 91 151 152 156 TO 161 167 169 321 322 326 TO 331 337 -
1471. 339 512 513 516 TO 521 526 528 692 693 696 TO 701 706 708 872 873 -
1472. 876 TO 881 886 888 1052 1053 1056 TO 1061 1066 1068 1310 TO 1330 -
1473. 1594 TO 1614 1894 TO 1914 UNI GZ 13
1474. MEMBER LOAD
1475. 103 104 129 133 150 168 172 175 179 199 201 203 236 274 275 303 338 342 345 -
1476. 349 371 373 400 406 466 467 495 527 531 534 537 555 556 580 586 646 647 675 -
1477. 707 711 714 717 735 736 760 766 826 827 855 887 891 894 897 915 916 940 946 -
1478. 1006 TO 1008 1010 TO 1015 1017 1019 1023 1031 1032 1035 1047 1049 1065 1067 -
1479. 1071 1073 1074 1076 1077 1079 1086 1092 TO 1096 1098 1105 1119 1122 1124 -
1480. 1125 TO 1126 1129 1131 1225 UNI GX 3
1481. 103 104 129 133 150 168 172 175 179 199 201 203 236 274 275 303 338 342 345 -
1482. 349 371 373 400 406 466 467 495 527 531 534 537 555 556 580 586 646 647 675 -
1483. 707 711 714 717 735 736 760 766 826 827 855 887 891 894 897 915 916 940 946 -
1484. 1006 TO 1008 1010 TO 1015 1017 1019 1023 1031 1032 1035 1047 1049 1065 1067 -
1485. 1071 1073 1074 1076 1077 1079 1086 1092 TO 1096 1098 1105 1119 1122 1124 -
1486. 1125 TO 1126 1129 1131 1225 UNI GY 3
1487. 103 104 129 133 150 168 172 175 179 199 201 203 236 274 275 303 338 342 345 -
1488. 349 371 373 400 406 466 467 495 527 531 534 537 555 556 580 586 646 647 675 -
1489. 707 711 714 717 735 736 760 766 826 827 855 887 891 894 897 915 916 940 946 -
1490. 1006 TO 1008 1010 TO 1015 1017 1019 1023 1031 1032 1035 1047 1049 1065 1067 -
1491. 1071 1073 1074 1076 1077 1079 1086 1092 TO 1096 1098 1105 1119 1122 1124 -
1492. 1125 TO 1126 1129 1131 1225 UNI GZ 3
1493. MEMBER LOAD
1494. 300 369 384 492 553 565 672 733 745 852 913 925 UNI GX 3
```

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3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
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```
1495. 300 369 384 492 553 565 672 733 745 852 913 925 UNI GY 3
1496. 300 369 384 492 553 565 672 733 745 852 913 925 UNI GZ 3
1497. FLOOR LOAD
1498. YRANGE 5 17.6 FLOAD 3.125 GX
1499. YRANGE 5 17.6 FLOAD 3.125 GY
1500. YRANGE 5 17.6 FLOAD 3.125 GZ
1501. FLOOR LOAD
1502. YRANGE 5 17.6 FLOAD 2 GX
1503. YRANGE 5 17.6 FLOAD 2 GY
1504. YRANGE 5 17.6 FLOAD 2 GZ
1505. FLOOR LOAD
1506. YRANGE 20.5 20.7 FLOAD 2.8 GX
1507. YRANGE 20.5 20.7 FLOAD 2.8 GY
1508. YRANGE 20.5 20.7 FLOAD 2.8 GZ
1509. MEMBER LOAD
1510. 1200 1202 1203 1206 1207 1210 1213 1228 TO 1230 UNI GX 20
1511. 1200 1202 1203 1206 1207 1210 1213 1228 TO 1230 UNI GY 20
1512. 1200 1202 1203 1206 1207 1210 1213 1228 TO 1230 UNI GZ 20
1513. FLOOR LOAD
1514. _WT FLOAD 15 GX
1515. _WT FLOAD 15 GY
1516. _WT FLOAD 15 GZ
1517. FLOOR LOAD
1518. _WT FLOAD 5 GX
1519. _WT FLOAD 5 GY
1520. _WT FLOAD 5 GZ
1521. FLOOR LOAD
1522. _HEADROOM FLOAD 3.125 GX
1523. _HEADROOM FLOAD 3.125 GY
1524. _HEADROOM FLOAD 3.125 GZ
1525. SELFWEIGHT X 1
1526. SELFWEIGHT Y 1
1527. SELFWEIGHT Z 1
1528. FLOOR LOAD
1529. YRANGE 5 17.6 FLOAD 0.5 GX
1530. YRANGE 5 17.6 FLOAD 0.5 GY
1531. YRANGE 5 17.6 FLOAD 0.5 GZ
1532. 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.

1533. FLOOR DIAPHRAGM
1534. DIA 2 TYPE RIG HEI 5.1
1535. DIA 3 TYPE RIG HEI 8.2
1536. DIA 4 TYPE RIG HEI 11.3
1537. DIA 5 TYPE RIG HEI 14.4
1538. DIA 6 TYPE RIG HEI 17.5
1539. DIA 7 TYPE RIG HEI 20.6
```



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FLOOR DIAPHRAGM

****

FLOOR DIAPHRAGM UNIT - KN METE

NO.	TYPE	FL. LEVEL	FL. WT	CENTRE OF MASS X	Z	CONTROL JOINT NO.
2	RIGID	5.100	5565.48	5.068	19.553	1827
3	RIGID	8.200	4889.25	4.994	19.408	1828
4	RIGID	11.300	4889.25	4.994	19.408	1829
5	RIGID	14.400	4889.38	4.993	19.408	1830
6	RIGID	17.500	4889.39	4.993	19.408	1831
7	RIGID	20.600	2706.27	4.756	18.882	1832

****

```
1541. DEFINE IS1893 2016 LOAD
1542. ZONE 0.16 RF 5 I 1 SS 2 ST 1 DM 0.05 PX 0.52 PZ 0.27
1543. DEFINE WIND LOAD
1544. TYPE 1 IS875 RECT CLAD (+X)
1545. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1546. IS875-2015:PARAMS 1 0 0 23.700 0.000 5.000 0 CHENNAI 50.000 0 1.000 2 6 -
1547. 0.910 0.910 0.910 0.970 1.010 1.028 1.000 2 1.000 0.200 0 10.190 38.830 -
1548. 23.700 1 1 1 0.200 0 0 4 0 4 1.000 0.000 0.000 0.000 NA NA 6 0.000 0.000 -
1549. 0.000 0.000 0.000 0.000 1 1 4 0.000 1.000 0.000 0.000 NA NA 6 0.000 0.000 -
1550. 0.000 0.000 0.000 0.000 1 2 4 0.000 0.000 1.000 0.000 NA NA 6 0.000 0.000 -
1551. 0.000 0.000 0.000 0.000 1 3 4 0.000 0.000 0.000 1.000 NA NA 6 0.000 0.000 -
1552. 0.000 0.000 0.000 0.000 1 0.900 1.000 0.900 TYPES 4 1 2 3 4 LOADS 4 13 14 15 -
1553. 16
1554. !> END GENERATED DATA BLOCK
1555. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.28524 HEIG 0 5 10 15 20 23.7
1556. TYPE 2 IS875 RECT CLAD (-X)
1557. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1558. IS875-2015:PARAMS 1  1
1559. !> END GENERATED DATA BLOCK
1560. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.28524 HEIG 0 5 10 15 20 23.7
1561. TYPE 3 IS875 RECT CLAD (+Z)
1562. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1563. IS875-2015:PARAMS 1  1
1564. !> END GENERATED DATA BLOCK
1565. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.28524 HEIG 0 5 10 15 20 23.7
1566. TYPE 4 IS875 RECT CLAD (-Z)
1567. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
1568. IS875-2015:PARAMS 1  1
1569. !> END GENERATED DATA BLOCK
1570. INT 1.00614 1.00614 1.00614 1.14319 1.23942 1.28524 HEIG 0 5 10 15 20 23.7
1571. LOAD 5 LOADTYPE SEISMIC-H  TITLE EQ+X
1572. 1893 LOAD X 1
```

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```
1573. LOAD 6 LOADTYPE SEISMIC-H  TITLE EQ-X
1574. 1893 LOAD X -1.
1575. LOAD 7 LOADTYPE SEISMIC-H  TITLE EQ+Z
1576. 1893 LOAD Z 1
1577. LOAD 8 LOADTYPE SEISMIC-H  TITLE EQ-Z
1578. 1893 LOAD Z -1.
1579. LOAD 1 LOADTYPE DEAD  TITLE DL
1580. MEMBER LOAD
1581. 106 119 121 TO 124 131 135 136 140 143 TO 145 147 155 178 180 181 183 TO 186 -
1582. 194 196 202 204 205 207 TO 210 215 217 218 220 223 TO 226 228 230 231 233 -
1583. 242 245 247 TO 250 277 290 292 TO 295 301 305 TO 307 310 312 TO 315 317 319 -
1584. 320 324 325 350 354 355 364 375 377 TO 379 385 387 388 390 393 395 396 398 -
1585. 401 403 412 415 417 TO 420 422 423 425 TO 435 469 482 484 TO 487 493 496 -
1586. 497 TO 498 501 503 TO 506 508 510 511 514 515 538 540 541 549 557 559 TO 561 -
1587. 566 TO 568 570 573 575 576 578 581 583 592 595 597 TO 600 602 603 -
1588. 605 TO 615 649 662 664 TO 667 673 676 TO 678 681 683 TO 686 688 690 691 694 -
1589. 695 718 720 721 729 737 739 TO 741 746 TO 748 750 753 755 756 758 761 763 -
1590. 772 775 777 TO 780 782 783 785 TO 795 829 842 844 TO 847 853 856 TO 858 861 -
1591. 863 TO 866 868 870 871 874 875 898 900 901 909 917 919 TO 921 926 TO 928 -
1592. 930 933 935 936 938 941 943 952 955 957 TO 960 962 963 965 TO 975 2555 2557 -
1593. 2559 2561 2563 2569 2571 2573 2575 2577 UNI GY -5
1594. 45 46 64 92 93 99 TO 101 105 107 TO 114 116 TO 118 120 125 TO 128 132 138 -
1595. 139 141 146 148 163 164 166 171 173 174 176 177 182 187 TO 191 193 197 198 -
1596. 200 206 211 TO 214 219 221 222 227 229 232 234 235 238 TO 241 243 244 246 -
1597. 251 276 278 TO 285 287 TO 289 291 296 TO 299 302 308 309 311 316 318 333 -
1598. 334 341 343 344 346 347 352 357 TO 361 363 367 368 370 376 381 TO 383 389 -
1599. 391 392 397 399 402 404 405 408 TO 411 413 414 416 421 468 470 TO 477 479 -
1600. 480 TO 481 483 488 TO 491 494 499 500 502 507 509 522 523 530 532 533 535 -
1601. 536 539 542 TO 546 548 551 552 554 558 562 TO 564 569 571 572 577 579 582 -
1602. 584 585 588 TO 591 593 594 596 601 648 650 TO 657 659 TO 661 663 668 TO 671 -
1603. 674 679 680 682 687 689 702 703 710 712 713 715 716 719 722 TO 726 728 731 -
1604. 732 734 738 742 TO 744 749 751 752 757 759 762 764 765 768 TO 771 773 774 -
1605. 776 781 828 830 TO 837 839 TO 841 843 848 TO 851 854 859 860 862 867 869 -
1606. 882 883 890 892 893 895 896 899 902 TO 906 908 911 912 914 918 922 TO 924 -
1607. 929 931 932 937 939 942 944 945 948 TO 951 953 954 956 961 1009 1018 1020 -
1608. 1024 TO 1026 1028 1029 1036 1062 TO 1064 1072 1075 1085 UNI GY -6
1609. 52 90 165 192 335 362 524 547 704 727 884 907 UNI GY -7
1610. 48 TO 51 59 67 TO 69 91 151 152 156 TO 161 167 169 321 322 326 TO 331 337 -
1611. 339 512 513 516 TO 521 526 528 692 693 696 TO 701 706 708 872 873 -
1612. 876 TO 881 886 888 1052 1053 1056 TO 1061 1066 1068 1310 TO 1330 -
1613. 1594 TO 1614 1894 TO 1914 UNI GY -13
1614. 103 104 129 133 150 168 172 175 179 199 201 203 236 274 275 303 338 342 345 -
1615. 349 371 373 400 406 466 467 495 527 531 534 537 555 556 580 586 646 647 675 -
1616. 707 711 714 717 735 736 760 766 826 827 855 887 891 894 897 915 916 940 946 -
```

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```
1617. 1006 TO 1008 1010 TO 1015 1017 1019 1023 1031 1032 1035 1047 1049 1065 1067 -
1618. 1071 1073 1074 1076 1077 1079 1086 1092 TO 1096 1098 1105 1119 1122 1124 -
1619. 1125 TO 1126 1129 1131 1225 UNI GY -3
1620. 300 369 384 492 553 565 672 733 745 852 913 925 UNI GY -3
1621. FLOOR LOAD
1622. YRANGE 5 17.6 FLOAD -3.125 GY
**NOTE** about Floor/OneWay Loads/Weights.
 Please note that depending on the shape of the floor you may
 have to break up the FLOOR/ONEWAY LOAD into multiple commands.
 For details please refer to Technical Reference Manual
 Section 5.32.4.2 Note d and/or "5.32.4.3 Note f.

1623. YRANGE 5 17.6 FLOAD -2 GY
1624. YRANGE 20.5 20.7 FLOAD -2.8 GY
1625. MEMBER LOAD
1626. 1200 1202 1203 1206 1207 1210 1213 1228 TO 1230 UNI GY -20
1627. FLOOR LOAD
1628. _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.

1629. _WT FLOAD -5 GY
1630. _HEADROOM FLOAD -3.125 GY
1631. SELFWEIGHT Y -1
1632. LOAD 2 LOADTYPE LIVE  TITLE LL
1633. FLOOR LOAD
1634. YRANGE 5 17.6 FLOAD -2 GY
1635. YRANGE 20.5 20.7 FLOAD -1.5 GY
1636. LOAD 9 LOADTYPE SEISMIC-H  TITLE RS+X
1637. SPECTRUM CQC IS1893 2016 X 0.016 SCALE 4.24 DAMP 0.05
1638. SOIL TYPE 2
1639. LOAD 10 LOADTYPE SEISMIC-H  TITLE RS-X
1640. SPECTRUM CQC IS1893 2016 X -0.016 SCALE 4.24 DAMP 0.05
1641. SOIL TYPE 2
1642. LOAD 11 LOADTYPE SEISMIC-H  TITLE RS+Z
1643. SPECTRUM CQC IS1893 2016 Z 0.016 SCALE 3.13 DAMP 0.05
1644. SOIL TYPE 2
1645. LOAD 12 LOADTYPE SEISMIC-H  TITLE RS-Z
1646. SPECTRUM CQC IS1893 2016 Z -0.016 SCALE 3.13 DAMP 0.05
1647. SOIL TYPE 2
1648. LOAD 13 LOADTYPE WIND  TITLE WIND (+X) IS875 RECT CLAD
1649. WIND LOAD X 1 TYPE 1
```



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```
1650. LOAD 14 LOADTYPE WIND  TITLE WIND (-X) IS875 RECT CLAD
1651. WIND LOAD X -1 TYPE 2
1652. LOAD 15 LOADTYPE WIND  TITLE WIND (+Z) IS875 RECT CLAD
1653. WIND LOAD Z 1 TYPE 3
 **WARNING-fx fy fz wind forces:  0.0000E+00  0.0000E+00  8.6657E-01
          at coordinates:        4.2300E+00  2.0600E+01  1.7025E+01 ignored.
 **WARNING-fx fy fz wind forces:  0.0000E+00  0.0000E+00  8.6657E-01
          at coordinates:        4.2300E+00  2.3700E+01  1.7025E+01 ignored.
1654. LOAD 16 LOADTYPE WIND  TITLE WIND (-Z) IS875 RECT CLAD
1655. WIND LOAD Z -1 TYPE 4
1656. LOAD COMB 3 DL+LL
1657. 1 1.0 2 1.0
1658. LOAD COMB 4 1.5DL+1.5LL
1659. 1 1.5 2 1.5
1660. LOAD COMB 17 DL+RS(+X)
1661. 1 1.0 9 1.0
1662. LOAD COMB 18 DL+RS(-X)
1663. 1 1.0 10 1.0
1664. LOAD COMB 19 DL+RS(+Z)
1665. 1 1.0 11 1.0
1666. LOAD COMB 20 DL+RS(-Z)
1667. 1 1.0 12 1.0
1668. LOAD COMB 21 DL+WL(+X)
1669. 1 1.0 13 1.0
1670. LOAD COMB 22 DL+WL(-X)
1671. 1 1.0 14 1.0
1672. LOAD COMB 23 DL+WL(+Z)
1673. 1 1.0 15 1.0
1674. LOAD COMB 24 DL+WL(-Z)
1675. 1 1.0 16 1.0
1676. LOAD COMB 25 1.0DL+0.8LL+0.8RS(+X)
1677. 1 1.0 9 0.8 2 0.8
1678. LOAD COMB 26 1.0DL+0.8LL+0.8RS(-X)
1679. 1 1.0 10 0.8 2 0.8
1680. LOAD COMB 27 1.0DL+0.8LL+0.8RS(+Z)
1681. 1 1.0 11 0.8 2 0.8
1682. LOAD COMB 28 1.0DL+0.8LL+0.8RS(-Z)
1683. 1 1.0 12 0.8 2 0.8
1684. LOAD COMB 29 1.0DL+0.8LL+0.8WL(+X)
1685. 1 1.0 2 0.8 13 0.8
1686. LOAD COMB 30 1.0DL+0.8LL+0.8WL(-X)
1687. 1 1.0 2 0.8 14 0.8
1688. LOAD COMB 31 1.0DL+0.8LL+0.8WL(+Z)
1689. 1 1.0 2 0.8 15 0.8
```

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```
1690. LOAD COMB 32 1.0DL+0.8LL+0.8WL(-Z)
1691. 1 1.0 2 0.8 16 0.8
1692. LOAD COMB 33 1.2DL+1.2LL+1.2RS(+X)
1693. 1 1.2 2 1.2 9 1.2
1694. LOAD COMB 34 1.2DL+1.2LL+1.2RS(-X)
1695. 1 1.2 2 1.2 10 1.2
1696. LOAD COMB 35 1.2DL+1.2LL+1.2RS(+Z)
1697. 1 1.2 2 1.2 11 1.2
1698. LOAD COMB 36 1.2DL+1.2LL+1.2RS(-Z)
1699. 1 1.2 2 1.2 12 1.2
1700. LOAD COMB 37 1.2DL+1.2LL+1.2WL(+X)
1701. 1 1.2 2 1.2 13 1.2
1702. LOAD COMB 38 1.2DL+1.2LL+1.2WL(-X)
1703. 1 1.2 2 1.2 14 1.2
1704. LOAD COMB 39 1.2DL+1.2LL+1.2WL(+Z)
1705. 1 1.2 2 1.2 15 1.2
1706. LOAD COMB 40 1.2DL+1.2LL+1.2WL(-Z)
1707. 1 1.2 2 1.2 16 1.2
1708. LOAD COMB 41 0.9DL+1.5RS(+X)
1709. 1 0.9 9 1.5
1710. LOAD COMB 42 0.9DL+1.5RS(-X)
1711. 1 0.9 10 1.5
1712. LOAD COMB 43 0.9DL+1.5RS(+Z)
1713. 1 0.9 11 1.5
1714. LOAD COMB 44 0.9DL+1.5RS(-Z)
1715. 1 0.9 12 1.5
1716. LOAD COMB 45 0.9DL+1.5WL(+X)
1717. 1 0.9 13 1.5
1718. LOAD COMB 46 0.9DL+1.5WL(-X)
1719. 1 0.9 14 1.5
1720. LOAD COMB 47 0.9DL+1.5WL(+Z)
1721. 1 0.9 15 1.5
1722. LOAD COMB 48 0.9DL+1.5WL(-Z)
1723. 1 0.9 16 1.5
1724. LOAD COMB 49 1.5DL+1.5RS(+X)
1725. 1 1.5 9 1.5
1726. LOAD COMB 50 1.5DL+1.5RS(-X)
1727. 1 1.5 10 1.5
1728. LOAD COMB 51 1.5DL+1.5RS(+Z)
1729. 1 1.5 11 1.5
1730. LOAD COMB 52 1.5DL+1.5RS(-Z)
1731. 1 1.5 12 1.5
1732. LOAD COMB 53 1.5DL+1.5WL(+X)
1733. 1 1.5 13 1.5
1734. LOAD COMB 54 1.5DL+1.5WL(-X)
1735. 1 1.5 14 1.5
1736. LOAD COMB 55 1.5DL+1.5WL(+Z)
1737. 1 1.5 15 1.5
1738. LOAD COMB 56 1.5DL+1.5WL(-Z)
1739. 1 1.5 16 1.5
1740. PERFORM ANALYSIS
```

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

NUMBER OF JOINTS	1821	NUMBER OF MEMBERS	1537
NUMBER OF PLATES	1006	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	34

Using 64-bit analysis engine.

SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

TOTAL PRIMARY LOAD CASES = 14, TOTAL DEGREES OF FREEDOM = 8631
TOTAL LOAD COMBINATION CASES = 42 SO FAR.

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

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

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

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR X 1893 LOADING =    0.52000 SEC       *
* SA/G PER 1893=    2.500, LOAD FACTOR= 1.000           *
* VB PER 1893=    0.0400 X    31446.01=    1257.84 KN   *
* VB Act Based on Clause 7.2.1 =     1257.84 KN         *
* VB Min based on Clause 7.2.2 =      345.91 KN         *
*                                                       *
*********************************************************
```

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

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR X 1893 LOADING =    0.52000 SEC       *
* SA/G PER 1893=    2.500, LOAD FACTOR=-1.000           *
* VB PER 1893=    0.0400 X    31446.01=   -1257.84 KN   *
* VB Act Based on Clause 7.2.1 =    -1257.84 KN         *
* VB Min based on Clause 7.2.2 =     -345.91 KN         *
*                                                       *
*********************************************************
```

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

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BASE SHEAR AND TIME PERIOD IN Z

```
   *******************************************************
   * UNITS - KN    METE                                  *
   * TIME PERIOD FOR Z 1893 LOADING =    0.27000 SEC     *
   * SA/G PER 1893=    2.500, LOAD FACTOR= 1.000         *
   * VB PER 1893=    0.0400 X    31446.01=    1257.84 KN  *
   * VB Act Based on Clause 7.2.1 =     1257.84 KN       *
   * VB Min based on Clause 7.2.2 =      345.91 KN       *
   *                                                     *
   *******************************************************
```

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

BASE SHEAR AND TIME PERIOD IN Z

```
   *******************************************************
   * UNITS - KN    METE                                  *
   * TIME PERIOD FOR Z 1893 LOADING =    0.27000 SEC     *
   * SA/G PER 1893=    2.500, LOAD FACTOR=-1.000         *
   * VB PER 1893=    0.0400 X    31446.01=   -1257.84 KN  *
   * VB Act Based on Clause 7.2.1 =    -1257.84 KN       *
   * VB Min based on Clause 7.2.2 =     -345.91 KN       *
   *                                                     *
   *******************************************************

 EIGEN METHOD   : SUBSPACE
 -------------------------
 NUMBER OF MODES REQUESTED              =     6
 NUMBER OF EXISTING MASSES IN THE MODEL =  3967
 NUMBER OF MODES THAT WILL BE USED      =     6

   *** EIGENSOLUTION: ADVANCED METHOD ***
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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

CALCULATED FREQUENCIES FOR LOAD CASE 9

MODE	FREQUENCY(CYCLES/SEC)	PERIOD(SEC)
1	0.660	1.51416
2	0.878	1.13912
3	0.984	1.01599
4	1.832	0.54582
5	2.351	0.42538
6	2.666	0.37513

1893 RESPONSE SPECTRUM LOAD 9

RESPONSE LOAD CASE 9

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	7.164130E+03	6.946336E+00	1.845403E+03	3.362770E+03
2	3.472524E+03	9.071743E-01	1.933001E+04	1.110888E+04
3	1.102183E+04	5.418986E+00	2.007329E+03	3.963998E+03
4	1.371133E+03	5.130790E-01	2.292002E+01	1.460440E+03
5	5.149911E+00	1.513311E-01	9.922509E+01	7.379631E+02
6	8.355992E-01	6.600130E+00	2.099009E+03	2.505063E+03

CQC MODAL COMBINATION METHOD USED.

DYNAMIC WEIGHT X Y Z	3.132910E+04	3.132910E+04	3.132910E+04	KN
MISSING WEIGHT X Y Z	-8.293498E+03	-3.130856E+04	-5.925207E+03	KN
MODAL WEIGHT X Y Z	2.303560E+04	2.053704E+01	2.540390E+04	KN

RESPONSE LOAD CASE 9

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT X	Y	Z
1	0.89819	0.0609	0.0000	0.0000
2	1.19390	0.0810	0.0000	0.0000
3	1.33859	0.0908	0.0000	0.0000
4	2.50000	0.1696	0.0000	0.0000
5	2.50000	0.1696	0.0000	0.0000
6	2.50000	0.1696	0.0000	0.0000

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CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841289154

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
6	20.60	323.48	0.00	0.00
5	17.50	639.46	0.00	0.00
4	14.40	907.41	0.00	0.00
3	11.30	1103.43	0.00	0.00
2	8.20	1223.28	0.00	0.00
1	5.10	1284.05	0.00	0.00
BASE	0.00	1287.82	0.00	0.00

MODE	ACCELERATION-G	DAMPING
1	3.80833	0.05000
2	5.06214	0.05000
3	5.67564	0.05000
4	10.60000	0.05000
5	10.60000	0.05000
6	10.60000	0.05000

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.514	436.53	-13.59	221.56	3488.06	5891.10	-7521.01
2	1.139	281.25	-4.55	-663.58	-10201.90	8027.24	-4609.32
3	1.016	1000.90	-22.19	427.14	7443.32	17583.89	-15231.00
4	0.546	232.54	4.50	30.07	-645.82	6650.85	-1389.29
5	0.425	0.87	0.15	3.83	-4.54	12.99	-7.73
6	0.375	0.14	-0.40	-7.10	-5.96	72.44	4.85

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

PARTICIPATION FACTORS

MODE	MASS PARTICIPATION FACTORS IN PERCENT X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	BASE SHEAR IN KN X	Y	Z
1	22.87	0.02	5.89	22.867	0.022	5.890	436.53	0.00	0.00
2	11.08	0.00	61.70	33.951	0.025	67.590	281.25	0.00	0.00
3	35.18	0.02	6.41	69.132	0.042	73.997	1000.90	0.00	0.00
4	4.38	0.00	0.07	73.509	0.044	74.071	232.54	0.00	0.00
5	0.02	0.00	0.32	73.525	0.044	74.387	0.87	0.00	0.00
6	0.00	0.02	6.70	73.528	0.066	81.087	0.14	0.00	0.00
					TOTAL SRSS SHEAR		1151.32	0.00	0.00
					TOTAL 10PCT SHEAR		1151.32	0.00	0.00
					TOTAL ABS SHEAR		1952.24	0.00	0.00
					TOTAL CSM SHEAR		1151.32	0.00	0.00
					TOTAL CQC SHEAR		1287.82	0.00	0.00

```
*********************************************************
* UNITS - KN     METE                                   *
* TIME PERIOD FOR X 1893 LOADING =     0.52000 SEC      *
* SA/G PER 1893=     2.500, LOAD FACTOR= 1.000          *
*       FACTOR V  PER 1893=     0.0400 X  31446.01      *
* VB Min based on Clause 7.2.2 =       345.91           *
*********************************************************
```

1893 RESPONSE SPECTRUM LOAD 10

RESPONSE LOAD CASE 10

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	7.164130E+03	6.946336E+00	1.845403E+03	3.362770E+03
2	3.472524E+03	9.071743E-01	1.933001E+04	1.110888E+04
3	1.102183E+04	5.418986E+00	2.007329E+03	3.963998E+03
4	1.371133E+03	5.130790E-01	2.292002E+01	1.460440E+03
5	5.149911E+00	1.513311E-01	9.922509E+01	7.379631E+02
6	8.355992E-01	6.600130E+00	2.099009E+03	2.505063E+03

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

CQC MODAL COMBINATION METHOD USED.
DYNAMIC WEIGHT X Y Z 3.132910E+04 3.132910E+04 3.132910E+04 KN
MISSING WEIGHT X Y Z -8.293498E+03 -3.130856E+04 -5.925207E+03 KN
MODAL WEIGHT X Y Z 2.303560E+04 2.053704E+01 2.540390E+04 KN

RESPONSE LOAD CASE 10

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT		
		X	Y	Z
1	0.89819	-0.0609	0.0000	0.0000
2	1.19390	-0.0810	0.0000	0.0000
3	1.33859	-0.0908	0.0000	0.0000
4	2.50000	-0.1696	0.0000	0.0000
5	2.50000	-0.1696	0.0000	0.0000
6	2.50000	-0.1696	0.0000	0.0000

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
6	20.60	323.48	0.00	0.00
5	17.50	639.46	0.00	0.00
4	14.40	907.41	0.00	0.00
3	11.30	1103.43	0.00	0.00
2	8.20	1223.28	0.00	0.00
1	5.10	1284.05	0.00	0.00
BASE	0.00	1287.82	0.00	0.00

MODE	ACCELERATION-G	DAMPING
1	3.80833	0.05000
2	5.06214	0.05000
3	5.67564	0.05000
4	10.60000	0.05000
5	10.60000	0.05000
6	10.60000	0.05000

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

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.514	-436.53	13.59	-221.56	-3488.06	-5891.10	7521.01
2	1.139	-281.25	4.55	663.58	10201.90	-8027.24	4609.32
3	1.016	-1000.90	22.19	-427.14	-7443.32	-17583.89	15231.00
4	0.546	-232.54	-4.50	-30.07	645.82	-6650.85	1389.29
5	0.425	-0.87	-0.15	-3.83	4.54	-12.99	7.73
6	0.375	-0.14	0.40	7.10	5.96	-72.44	-4.85

PARTICIPATION FACTORS

MODE	MASS PARTICIPATION FACTORS IN PERCENT X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	BASE SHEAR IN KN X	Y	Z
1	22.87	0.02	5.89	22.867	0.022	5.890	-436.53	0.00	0.00
2	11.08	0.00	61.70	33.951	0.025	67.590	-281.25	0.00	0.00
3	35.18	0.02	6.41	69.132	0.042	73.997	-1000.90	0.00	0.00
4	4.38	0.00	0.07	73.509	0.044	74.071	-232.54	0.00	0.00
5	0.02	0.00	0.32	73.525	0.044	74.387	-0.87	0.00	0.00
6	0.00	0.02	6.70	73.528	0.066	81.087	-0.14	0.00	0.00
					TOTAL SRSS SHEAR		-1151.32	0.00	0.00
					TOTAL 10PCT SHEAR		-1151.32	0.00	0.00
					TOTAL ABS SHEAR		-1952.24	0.00	0.00
					TOTAL CSM SHEAR		-1151.32	0.00	0.00
					TOTAL CQC SHEAR		-1287.82	0.00	0.00

1893 RESPONSE SPECTRUM LOAD 11

RESPONSE LOAD CASE 11

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	7.164130E+03	6.946336E+00	1.845403E+03	3.362770E+03
2	3.472524E+03	9.071743E-01	1.933001E+04	1.110888E+04
3	1.102183E+04	5.418986E+00	2.007329E+03	3.963998E+03
4	1.371133E+03	5.130790E-01	2.292002E+01	1.460440E+03
5	5.149911E+00	1.513311E-01	9.922509E+01	7.379631E+02
6	8.355992E-01	6.600130E+00	2.099009E+03	2.505063E+03

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

CQC MODAL COMBINATION METHOD USED.
DYNAMIC WEIGHT X Y Z 3.132910E+04 3.132910E+04 3.132910E+04 KN
MISSING WEIGHT X Y Z -8.293498E+03 -3.130856E+04 -5.925207E+03 KN
MODAL WEIGHT X Y Z 2.303560E+04 2.053704E+01 2.540390E+04 KN

RESPONSE LOAD CASE 11

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT		
		X	Y	Z
1	0.89819	0.0000	0.0000	0.0450
2	1.19390	0.0000	0.0000	0.0598
3	1.33859	0.0000	0.0000	0.0670
4	2.50000	0.0000	0.0000	0.1252
5	2.50000	0.0000	0.0000	0.1252
6	2.50000	0.0000	0.0000	0.1252

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN		
		X	Y	Z
6	20.60	0.00	0.00	329.16
5	17.50	0.00	0.00	637.36
4	14.40	0.00	0.00	873.34
3	11.30	0.00	0.00	1049.60
2	8.20	0.00	0.00	1175.47
1	5.10	0.00	0.00	1255.31
BASE	0.00	0.00	0.00	1260.65

MODE	ACCELERATION-G	DAMPING
1	2.81134	0.05000
2	3.73691	0.05000
3	4.18980	0.05000
4	7.82500	0.05000
5	7.82500	0.05000
6	7.82500	0.05000

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

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.514	163.55	-5.09	83.01	1306.85	2207.19	-2817.85
2	1.139	-489.86	7.92	1155.75	17768.59	-13981.01	8028.02
3	1.016	315.32	-6.99	134.56	2344.92	5539.57	-4798.32
4	0.546	22.19	0.43	2.87	-61.64	634.78	-132.60
5	0.425	2.83	0.49	12.42	-14.70	42.10	-25.06
6	0.375	-5.24	14.74	262.80	220.35	-2680.32	-179.39

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	22.87	0.02	5.89	22.867	0.022	5.890	0.00	0.00	83.01
2	11.08	0.00	61.70	33.951	0.025	67.590	0.00	0.00	1155.75
3	35.18	0.02	6.41	69.132	0.042	73.997	0.00	0.00	134.56
4	4.38	0.00	0.07	73.509	0.044	74.071	0.00	0.00	2.87
5	0.02	0.00	0.32	73.525	0.044	74.387	0.00	0.00	12.42
6	0.00	0.02	6.70	73.528	0.066	81.087	0.00	0.00	262.80
					TOTAL SRSS SHEAR		0.00	0.00	1195.82
					TOTAL 10PCT SHEAR		0.00	0.00	1195.82
					TOTAL ABS SHEAR		0.00	0.00	1651.41
					TOTAL CSM SHEAR		0.00	0.00	1195.82
					TOTAL CQC SHEAR		0.00	0.00	1260.65

```
*******************************************************
* UNITS - KN    METE                                  *
* TIME PERIOD FOR Z 1893 LOADING =    0.27000 SEC     *
* SA/G PER 1893=    2.500, LOAD FACTOR= 1.000         *
*      FACTOR V  PER 1893=    0.0400 X  31446.01      *
* VB Min based on Clause 7.2.2 =      345.91          *
*******************************************************
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1893 RESPONSE SPECTRUM LOAD 12

RESPONSE LOAD CASE 12

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

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN KN X	Y	Z	GENERALIZED WEIGHT
1	7.164130E+03	6.946336E+00	1.845403E+03	3.362770E+03
2	3.472524E+03	9.071743E-01	1.933001E+04	1.110888E+04
3	1.102183E+04	5.418986E+00	2.007329E+03	3.963998E+03
4	1.371133E+03	5.130790E-01	2.292002E+01	1.460440E+03
5	5.149911E+00	1.513311E-01	9.922509E+01	7.379631E+02
6	8.355992E-01	6.600130E+00	2.099009E+03	2.505063E+03

CQC MODAL COMBINATION METHOD USED.

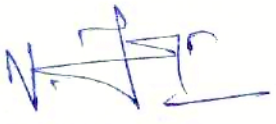
DYNAMIC WEIGHT X Y Z	3.132910E+04	3.132910E+04	3.132910E+04	KN
MISSING WEIGHT X Y Z	-8.293498E+03	-3.130856E+04	-5.925207E+03	KN
MODAL WEIGHT X Y Z	2.303560E+04	2.053704E+01	2.540390E+04	KN

RESPONSE LOAD CASE 12

MODE	SPECTRAL ACCELERATION	DESIGN SEISMIC COEFFICIENT X	Y	Z
1	0.89819	0.0000	0.0000	-0.0450
2	1.19390	0.0000	0.0000	-0.0598
3	1.33859	0.0000	0.0000	-0.0670
4	2.50000	0.0000	0.0000	-0.1252
5	2.50000	0.0000	0.0000	-0.1252
6	2.50000	0.0000	0.0000	-0.1252

PEAK STORY SHEAR

STORY	LEVEL IN METE	PEAK STORY SHEAR IN KN X	Y	Z
6	20.60	0.00	0.00	329.16
5	17.50	0.00	0.00	637.36
4	14.40	0.00	0.00	873.34
3	11.30	0.00	0.00	1049.60
2	8.20	0.00	0.00	1175.47
1	5.10	0.00	0.00	1255.31
BASE	0.00	0.00	0.00	1260.65



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

MODE	ACCELERATION-G	DAMPING
1	2.81134	0.05000
2	3.73691	0.05000
3	4.18980	0.05000
4	7.82500	0.05000
5	7.82500	0.05000
6	7.82500	0.05000

MODAL BASE ACTIONS

MODAL BASE ACTIONS FORCES IN KN LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN MX	MY	MZ
1	1.514	-163.55	5.09	-83.01	-1306.85	-2207.19	2817.85
2	1.139	489.86	-7.92	-1155.75	-17768.59	13981.01	-8028.02
3	1.016	-315.32	6.99	-134.56	-2344.92	-5539.57	4798.32
4	0.546	-22.19	-0.43	-2.87	61.64	-634.78	132.60
5	0.425	-2.83	-0.49	-12.42	14.70	-42.10	25.06
6	0.375	5.24	-14.74	-262.80	-220.35	2680.32	179.39

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	22.87	0.02	5.89	22.867	0.022	5.890	0.00	0.00	-83.01
2	11.08	0.00	61.70	33.951	0.025	67.590	0.00	0.00	-1155.75
3	35.18	0.02	6.41	69.132	0.042	73.997	0.00	0.00	-134.56
4	4.38	0.00	0.07	73.509	0.044	74.071	0.00	0.00	-2.87
5	0.02	0.00	0.32	73.525	0.044	74.387	0.00	0.00	-12.42
6	0.00	0.02	6.70	73.528	0.066	81.087	0.00	0.00	-262.80
					TOTAL SRSS SHEAR		0.00	0.00	-1195.82
					TOTAL 10PCT SHEAR		0.00	0.00	-1195.82
					TOTAL ABS SHEAR		0.00	0.00	-1651.41
					TOTAL CSM SHEAR		0.00	0.00	-1195.82
					TOTAL CQC SHEAR		0.00	0.00	-1260.65

```
1741. DEFINE ENVELOPE
1742. 3 17 TO 32 ENVELOPE 1 TYPE SERVICEABILITY
1743. 4 33 TO 56 ENVELOPE 2 TYPE STRENGTH
1744. END DEFINE ENVELOPE
1745. PRINT DIA CR
DIA      CR
```

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

****

CENTRE OF RIGIDITY UNIT - METE

DIAPHRAM	FL. LEVEL	X-COORDINATE	Z-COORDINATE
1	5.100	1.494	19.962
2	8.200	1.481	20.322
3	11.300	1.765	20.793
4	14.400	2.179	21.232
5	17.500	2.643	21.630
6	20.600	3.098	22.038

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1746. FINISH

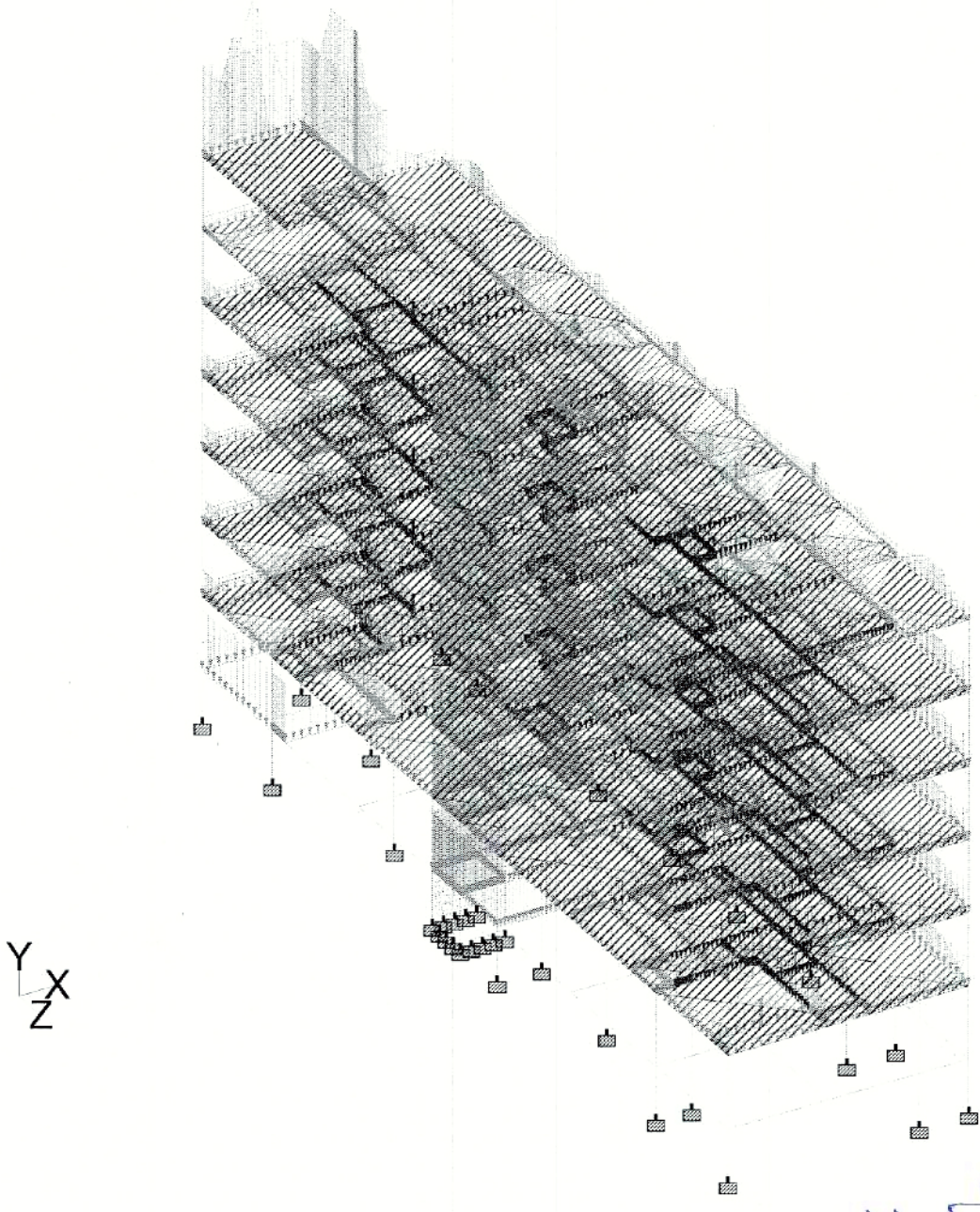
V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

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

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*   For technical assistance on STAAD.Pro, please visit    *
*   http://www.bentley.com/en/support/                     *
*                                                          *
*   Details about additional assistance from               *
*   Bentley and Partners can be found at program menu      *
*   Help->Technical Support                                *
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*           Copyright (c) Bentley Systems, Inc.            *
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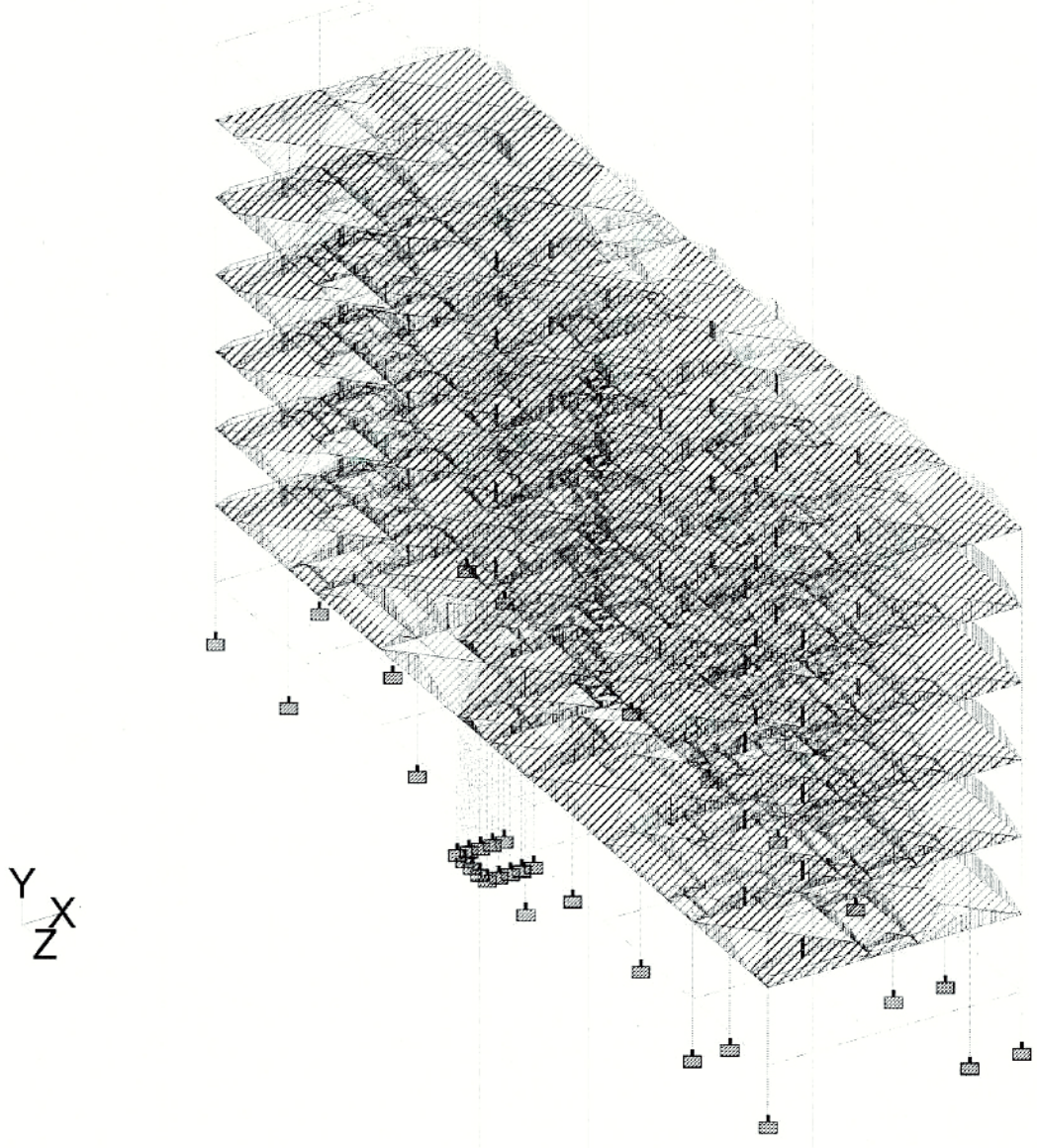
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CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154



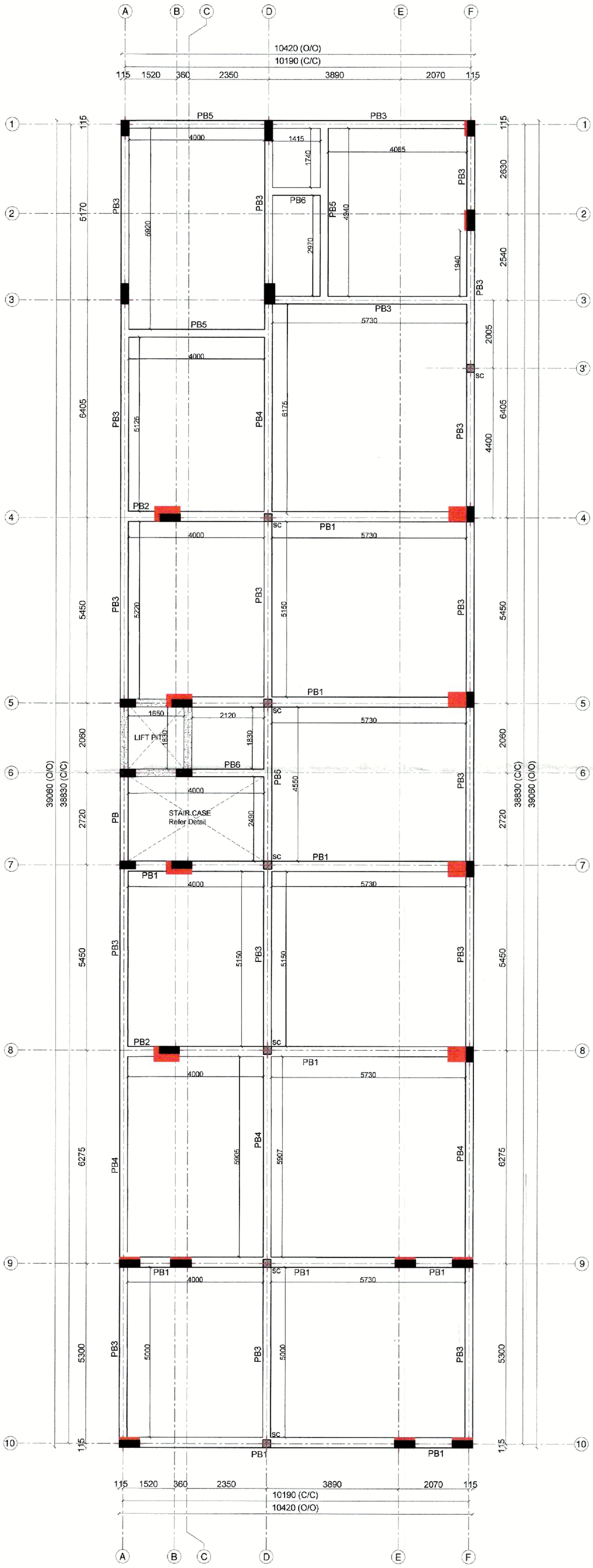
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V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

Bentley	Job No	Sheet No 1	Rev
Software licensed to Ramaniyam Real Estates Pvt Ltd CONNECTED User: Jagen V	Part		
Job Title	Ref		
	By	Date 16-Oct-24	Chd
Client	File Sri Devi Apartment Final	Date/Time 22-Nov-2024 19:24	



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 - 600119
Mobile: 9841269154

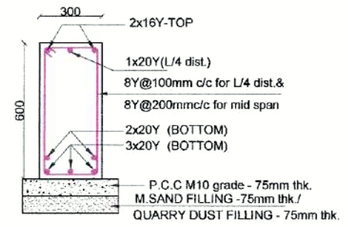


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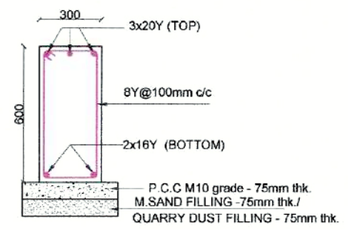
PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING (HEIGHT -18.30 m) WITH 10 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO . 6,OLD DOOR NO. 5/2, 4th TRUST CROSS STREET, MANDAVELIPAKKAM, CHENNAI - 600 028. COMPRISED IN R.S.NO : 4311/ 2A PART AS PER DOCUMENT AND R.S.NO. 4311/ 224 AS PER PATTA, BLOCK NO.97 OF MYLAPORE VILLAGE (PART - 2) MYLAPORE TALUK, GREATER CHENNAI CORPORATION, ZONE : IX, DIVISION NO - 126.

NOTES : - **STILT + 5**

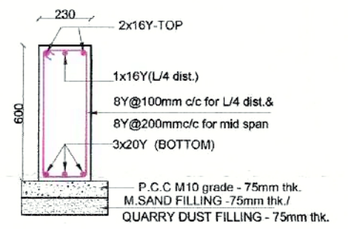
- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M40 FOR COLUMN UPTO Ist FLOOR Lvl., & P.T.BEAM AND M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
  - (i) SLAB 20mm
  - (ii) COLUMN 40mm
  - (iii) BEAM 25mm
  - (iv) R.C WALL 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR
- ALL DIMENSIONS ARE IN MM.



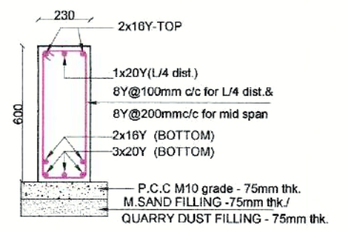
C.S OF PB1
300mm x 600mm



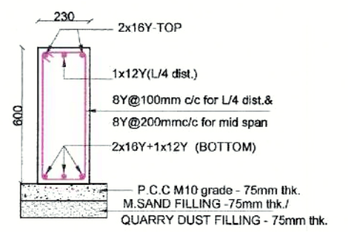
C.S OF PB2
300mm x 600mm



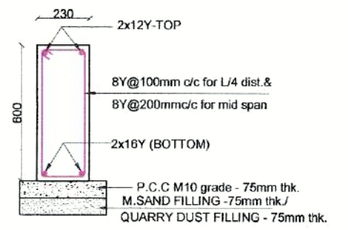
C.S OF PB3
230mm x 600mm



C.S OF PB4
230mm x 600mm



C.S OF PB5
230mm x 600mm

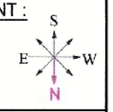


C.S OF PB6
230mm x 600mm

DRAWING TITLE :

PLINTH BEAM LAYOUT

NORTH POINT :



SIGNATURE :

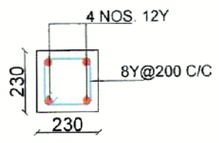
V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
CMDA REGN NOS -
SE / GR-I / 2019/03/024, QA/2019/04/021
CHARTERED ENGINEER & APPROVED VALUER
3-B, RAMANIYAM GAURAVV - 2
BLOCK-2, MODEL SCHOOL ROAD
SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154

PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING (HEIGHT -18.30 m) WITH 10 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO . 6,OLD DOOR NO. 5/2, 4th TRUST CROSS STREET, MANDAVELIPAKKAM, CHENNAI - 600 028. COMPRISED IN R.S.NO : 4311/ 2A PART AS PER DOCUMENT AND R.S.NO. 4311/ 224 AS PER PATTA, BLOCK NO.97 OF MYLAPORE VILLAGE (PART - 2) MYLAPORE TALUK, GREATER CHENNAI CORPORATION, ZONE : IX, DIVISION NO - 126.

NOTES : - **STILT+ 5**

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M40 FOR COLUMN UPTO Ist FLOOR Lvl., & P.T.BEAM AND M25 FOR ALL OTHER R.C.C WORKS.
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
  - (i) SLAB 20mm
  - (ii) COLUMN 40mm
  - (iii) BEAM 25mm
  - (iv) R.C WALL 25mm
  - (v) FOOTINGS 50mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR
- ALL DIMENSIONS ARE IN MM.



CS OF STUB COLUMN

DRAWING TITLE :

FOOTING LAYOUT

NORTH POINT :

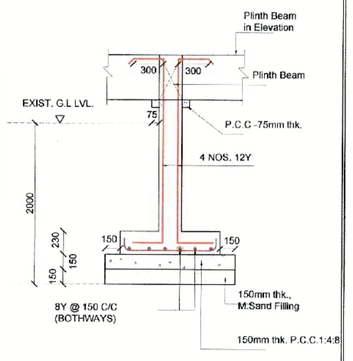
SIGNATURE :

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

COLUMN I.D	FLOORS	NO. OF COLUMNS	COLUMN SIZE	REINFORCEMENT DETAILS	SHAPE OF TIES
C1	300X450 STILT FLOOR	01 No.	70 230 / 450 / 300	4 Nos -20Y (b) + 4 Nos -16Y (c) + 4 Nos-12Y (d) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230X450 FIRST FLOOR		230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND& THIRD FLOOR		230 / 450	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C1a	230X450 STILT FLOOR	04 Nos.	230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width)	
	230X450 FIRST FLOOR		230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 SECOND& THIRD FLOOR		230 / 450	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FOURTH, FIFTH & TERRACE FLOOR		230 / 450	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C2	300X600 STILT FLOOR	02 Nos.	70 230 / 600 / 300	8 Nos -20Y (b) + 4 Nos-12Y (d) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230X600 FIRST FLOOR		230 / 600	8 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 SECOND& THIRD FLOOR		230 / 600	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 FOURTH, FIFTH & TERRACE FLOOR		230 / 600	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C3	230X600 STILT FLOOR	02 Nos.	230 / 600	12 Nos -20Y (b) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width)	
	230X600 FIRST FLOOR		230 / 600	12 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 SECOND& THIRD FLOOR		230 / 600	4 Nos -20Y (b) + 8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 FOURTH, FIFTH & TERRACE FLOOR		230 / 600	12 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C4	300X600 STILT FLOOR	04 Nos.	70 230 / 600 / 300	10 Nos-25Y (a) + 5 Nos-12Y (d) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230X600 FIRST FLOOR		230 / 600	10 Nos-25Y (a) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 SECOND& THIRD FLOOR		230 / 600	4 Nos-25Y (a) + 6 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 FOURTH, FIFTH & TERRACE FLOOR		230 / 600	10 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	

COLUMN I.D	FLOORS	NO. OF COLUMNS	COLUMN SIZE	REINFORCEMENT DETAILS	SHAPE OF TIES
C5	300X600 STILT FLOOR	02 Nos.	70 230 / 600 / 300	10 Nos-25Y (a) + 5 Nos-12Y (d) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	230X600 FIRST FLOOR		230 / 600	10 Nos-25Y (a) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 SECOND& THIRD FLOOR		230 / 600	4 Nos-25Y (a) + 6 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X600 FOURTH, FIFTH & TERRACE FLOOR		230 / 600	10 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C6	300X600 STILT FLOOR	01 No.	300 / 600	14 Nos-25Y (a) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width) 8Y @ 300C/C FOR H ONLY. (For 300mm width)	
	300X600 FIRST FLOOR		300 / 600	14 Nos-25Y (a) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	300X600 SECOND& THIRD FLOOR		300 / 600	4 Nos-25Y (a) + 10 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	300X600 FOURTH, FIFTH & TERRACE FLOOR		300 / 600	14 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C7	450 X 750 STILT FLOOR	02 Nos.	750 / 450	14 Nos-25Y (a) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width)	
	230 X 450 FIRST & SECOND FLOOR		230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 THIRD & FOURTH FLOOR		230 / 450	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FIFTH & TERRACE FLOOR		230 / 450	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C8	450 X 750 STILT FLOOR	02 Nos.	750 / 450	14 Nos-25Y (a) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width)	
	230 X 450 FIRST & SECOND FLOOR		230 / 450	8 Nos-25Y (a) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 THIRD & FOURTH FLOOR		230 / 450	4 Nos-25Y (a) + 4 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FIFTH & TERRACE FLOOR		230 / 450	8 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C9	450 X 750 STILT FLOOR	02 Nos.	750 / 450	14 Nos-25Y (a) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width)	
	230 X 600 FIRST & SECOND FLOOR		600 / 230	12 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 THIRD & FOURTH FLOOR		600 / 230	4 Nos -20Y (b) + 8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 FIFTH & TERRACE FLOOR		600 / 230	12 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	

COLUMN I.D	FLOORS	NO. OF COLUMNS	COLUMN SIZE	REINFORCEMENT DETAILS	SHAPE OF TIES
C10	380 X 750 STILT FLOOR	02 Nos.	750 / 380	12 Nos-25Y (a) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width)	
	230 X 600 FIRST & SECOND FLOOR		600 / 230	8 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 THIRD & FOURTH FLOOR		600 / 230	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230 X 600 FIFTH & TERRACE FLOOR		600 / 230	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
C11	230 X 450 STILT FLOOR	1 No.	230 / 450	8 Nos -20Y (b) TIES 8Y @ 100C/C FOR H ONLY. (For 230mm width)	
	230 X 450 FIRST & SECOND FLOOR		230 / 450	8 Nos -20Y (b) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 THIRD & FOURTH FLOOR		230 / 450	4 Nos -20Y (b) + 4 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	
	230X450 FIFTH & TERRACE FLOOR		230 / 450	8 Nos -16Y (c) TIES 8Y @ 100C/C @ SUP.FOR H/4 8Y @ 200C/C @ MID.FOR H/2	

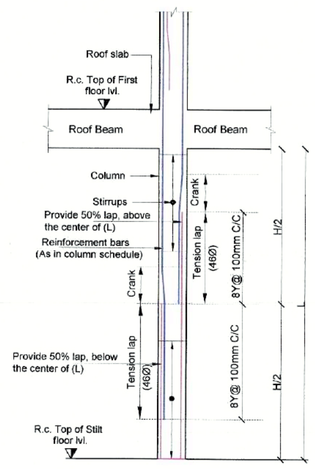


DETAIL OF STUB COLUMN UP TO PLINTH BEAM TOP LVL (SC)

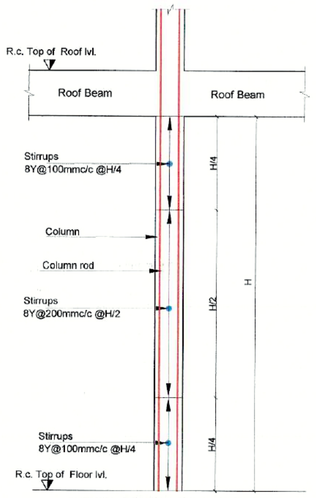
NOTE : Avoid column reinforcement lapping in beam column joints.

NOTE:-
TOTAL NUMBER OF COLUMNS = 25 Nos.

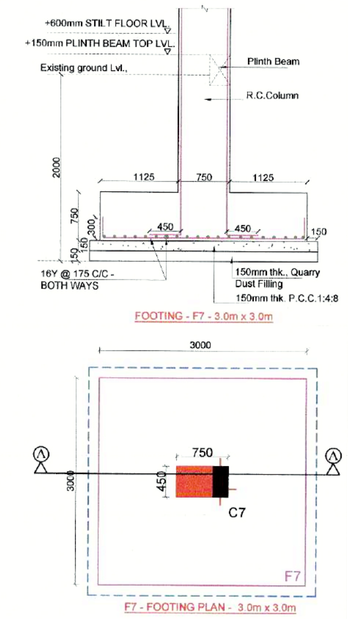
- = 25mm DIA ROD (a)
- = 20mm DIA ROD (b)
- = 16mm DIA ROD (c)
- = 12mm DIA ROD (d)



TYPICAL COLUMN REINFORCEMENT LAPPING DETAIL AT FLOOR LEVEL

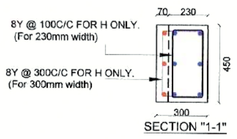


TYPICAL COLUMN STIRRUPS DETAIL FOR OTHER FLOORS

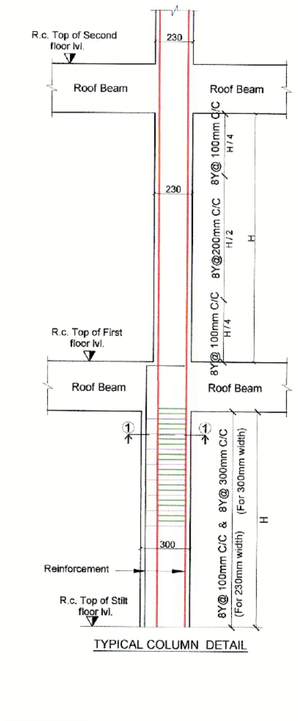


FOOTING - F7 - 3.0m x 3.0m

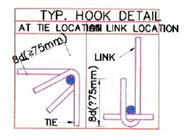
F7 - FOOTING PLAN - 3.0m x 3.0m

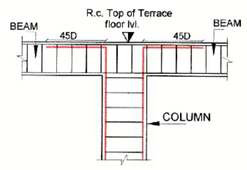


SECTION "1-1"



TYPICAL COLUMN DETAIL





TYPICAL COLUMN TERMINATION DETAIL

SCHEDULE OF FOOTINGS

FOOTING NO.	L	B	D	REINFORCEMENT DETAILS
F1	1900	1900	500	12Y @ 175 C/C BOTHWAYS
F2	2250	2250	550	12Y @ 150 C/C BOTHWAYS
F3	3000	3000	675	16Y @ 150 C/C BOTHWAYS
F4	3000	3000	675	16Y @ 150 C/C BOTHWAYS
F6	3900	3900	900	16Y @125 C/C BOTHWAYS
F7	3000	3000	750	16Y @175 C/C BOTHWAYS
F8	3500	3500	800	16Y @150 C/C BOTHWAYS
F9	3750	3750	850	16Y @150 C/C BOTHWAYS
CF1	2250	4500	750	12Y @ 110mm C/C - TOP & BOTTOM BOTHWAYS
CF2	3500	4000	800	16Y @ 125mm C/C - BOTTOM (B/W) 12Y @ 125mm C/C - TOP (B/W)
CF3	2750	4750	750	16Y @ 125mm C/C - BOTTOM (B/W) 12Y @ 125mm C/C - TOP (B/W)
CF4	2750	5250	750	16Y @ 125mm C/C - BOTTOM (B/W) 12Y @ 125mm C/C - TOP (B/W)
CF5	2000	3750	700	12Y @ 125mm C/C - BOTTOM (B/W) 12Y @ 125mm C/C - TOP (B/W)
CF6	3610	3940	750	16Y @ 150mm C/C - BOTTOM (B/W) 12Y @ 150mm C/C - TOP (B/W)

NOTES : - STILT+ 5

- REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. CONCRETE MIX SHALL BE M40 FOR COLUMN UPTO Ist FLOOR Lvl., & P.T BEAM AND M25 FOR ALL OTHER R.C.C WORKS,
- ALL REINFORCEMENTS ARE OF Fe500D / Fe550D GRADE.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
  - (i) SLAB 20mm
  - (ii) COLUMN 40mm
  - (iii) BEAM 25mm
  - (iv) R.C WALL 25mm
  - (v) FOOTINGS 50mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR
- ALL DIMENSIONS ARE IN MM.

SIGNATURE :

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

DRAWING TITLE :

COLUMN SCHEDULE

PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING (HEIGHT -18.30 m) WITH 10 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO . 6,OLD DOOR NO. 5/2, 4th TRUST CROSS STREET, MANDAVELIPAKKAM, CHENNAI - 600 028. COMPRISED IN R.S.NO : 4311/ 2A PART AS PER DOCUMENT AND R.S.NO. 4311/ 224 AS PER PATTA, BLOCK NO.97 OF MYLAPORE VILLAGE (PART - 2) MYLAPORE TALUK, GREATER CHENNAI CORPORATION, ZONE : IX, DIVISION NO - 126.

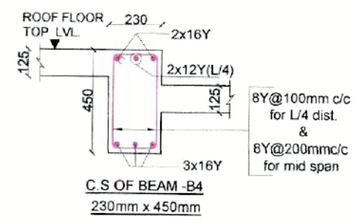
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STILT+ 5

NOTES : -

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  - (iii) BEAM 25mm
  - (iv) R.C WALL 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR
- ALL DIMENSIONS ARE IN MM.



C.S OF BEAM -B4
230mm x 450mm

DRAWING TITLE :

STILT FLOOR ROOF FRAMING LAYOUT

NORTH POINT :

SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
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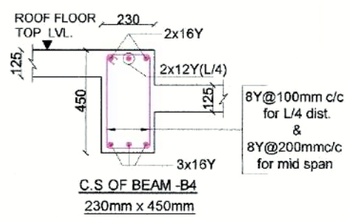
PROJECT TITLE :

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STILT+ 5

NOTES : -

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  - (ii) COLUMN 40mm
  - (iii) BEAM 25mm
  - (iv) R.C WALL 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR
- ALL DIMENSIONS ARE IN MM.



C.S OF BEAM -B4
230mm x 450mm

DRAWING TITLE :

TYPICAL FLOOR ROOF FRAMING LAYOUT

NORTH POINT :

SIGNATURE :

V. JAGEN, B.E.,M.E.,(Struct), M.I.E.,A.I.V.,
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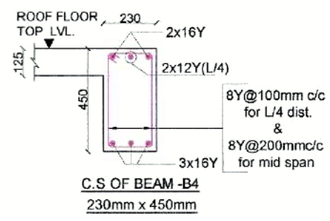
PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING (HEIGHT -18.30 m) WITH 10 DWELLING UNITS AVAILING PREMIUM FSI WITH TOD BENEFIT AT NEW DOOR NO . 6,OLD DOOR NO. 5/2, 4th TRUST CROSS STREET, MANDAVELIPAKKAM, CHENNAI - 600 028. COMPRISED IN R.S.NO : 4311/ 2A PART AS PER DOCUMENT AND R.S.NO. 4311/ 224 AS PER PATTA, BLOCK NO.97 OF MYLAPORE VILLAGE (PART - 2) MYLAPORE TALUK, GREATER CHENNAI CORPORATION, ZONE : IX, DIVISION NO - 126.

STILT + 5

NOTES : -

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  - (ii) COLUMN 40mm
  - (iii) BEAM 25mm
  - (iv) R.C WALL 25mm
- LAP LENGTH SHALL BE 50 x DIA OF THE BAR
- ALL DIMENSIONS ARE IN MM.



C.S OF BEAM -B4
230mm x 450mm

DRAWING TITLE :

FIFTH FLOOR ROOF FRAMING LAYOUT

NORTH POINT :

SIGNATURE :

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SHOLINGANALLUR, CHENNAI - 600 119.
Mobile: 9841269154



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