

PAGE NO. 1

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*
*          STAAD.Pro CONNECT Edition
*          Version 22.10.00.153
*          Proprietary Program of
*          Bentley Systems, Inc.
*          Date=   OCT 1, 2024
*          Time=   17:14: 7
*
*  Licensed to: Universal Consultants
*
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1. STAAD SPACE
INPUT FILE: C:\Users\suresh\Desktop\UC-MADUVINKARAI\MADUVINKARAI.STD
2. START JOB INFORMATION
3. JOB NAME THE PROPOSED CONSTRUCTION OFFICE BUILDING IN STILT+THIRD FLOOR +
4. *FOURTH FLOOR (PART) AT DOOR NO:1 (AS PER DOCUMENT) DOOR NO:12B ( AS PER PATT)
5. *CHAKRAPANI ROAD & FIVE FURLONG ROAD , GUINDY CHENNAI- 600 032.COMPRISED IN
6. *T.S.NO : 2 ( AS PER DOCUMENT) T.S.NO : 4/1 (AS PER PATT), BLOCK NO:4 (AS PER
7. *DOCUMENT), BLOCK NO:5 (AS PER PATT), VELACHERY VILLAGE, VELACHERY TALUK
8. *CHENNAI DISTRICT, GREATER CHENNAI CORPORATION, ZONE - XIII, DIVISION -174.
9. ENGINEER NAME SURESH
10. CHECKER NAME SURESH
11. APPROVED NAME SURESH
12. ENGINEER DATE 10/1/2024
13. CHECKER DATE 10/1/2024
14. APPROVED DATE 10/1/2024
15. END JOB INFORMATION
16. INPUT WIDTH 79
17. UNIT METER KN
18. JOINT COORDINATES
19. 1 -8.1 -1.45 0; 25 -8.1 -4.45 0; 26 -5.46 -1.45 0; 27 -5.46 -4.45 0
20. 36 -8.1 1.55 0; 37 -5.46 1.55 0; 66 -14.3 -1.45 0; 67 -14.3 -4.45 0
21. 68 -14.3 1.55 0; 69 -17.6 -1.45 0; 70 -17.6 -4.45 0; 71 -17.6 1.55 0
22. 72 -8.1 4.55 0; 73 -5.46 4.55 0; 74 -14.3 4.55 0; 75 -17.6 4.55 0
23. 76 -8.1 7.55 0; 77 -5.46 7.55 0; 78 -14.3 7.55 0; 79 -17.6 7.55 0
24. 80 -8.1 10.55 0; 81 -5.46 10.55 0; 82 -14.3 10.55 0; 83 -17.6 10.55 0
25. MEMBER INCIDENCES
26. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 55 1 36; 56 26 37; 61 36 37; 111 66 67
27. 112 66 1; 113 67 25; 114 66 68; 115 68 36; 116 69 70; 117 69 66; 118 70 67
28. 119 69 71; 120 71 68; 121 36 72; 122 37 73; 123 72 73; 124 68 74; 125 74 72
29. 126 71 75; 127 75 74; 128 72 76; 129 73 77; 130 76 77; 131 74 78; 132 78 76
30. 133 75 79; 134 79 78; 135 76 80; 136 77 81; 137 80 81; 138 78 82; 139 82 80
31. 140 79 83; 141 83 82
32. DEFINE MATERIAL START
33. ISOTROPIC CONCRETE
34. E 2.17185E+07
35. POISSON 0.17
36. DENSITY 23.5616
37. ALPHA 1E-05
38. DAMP 0.05

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Dr. J. SURESH, M.E., MIE., Ph.D.
 Structural Engineer
 Plot No. 555, VGP Layout, Mullai Street,
 Uthandi, Chennai - 600 119.
 Reg. No. SE/I/2024/2/0014
 Reg. No. RSE100382019
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39. END DEFINE MATERIAL
 40. MEMBER PROPERTY INDIAN
 41. 40 41 61 112 113 115 117 118 120 123 125 127 130 132 134 137 139 -
 42. 141 PRIS YD 0.6 ZD 0.2
 43. MEMBER PROPERTY INDIAN
 44. 39 42 55 56 111 114 116 119 121 122 124 126 128 129 131 133 135 136 138 -
 45. 140 PRIS YD 0.6 ZD 0.2
 46. CONSTANTS
 47. MATERIAL CONCRETE ALL
 48. SUPPORTS
 49. 25 27 67 70 FIXED
 50. DEFINE 1893 LOAD
 51. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
 52. MEMBER WEIGHT
 53. 39 TO 42 55 56 61 111 TO 141 UNI -14.5
 54. DEFINE WIND LOAD

NOTE: If any floor diaphragm is present in the model Wind Load definition
 should be defined after Floor Diaphragm definition. Otherwise wind
 load generation may be unsuccessful during analysis.

55. TYPE 1
 56. INT 0.673 1.03335 1.3537 1.65375 HEIG 10 30 50 100
 57. EXP 1 JOINT 1 25 TO 27 36 37 66 TO 83
 58. LOAD 1 LOADTYPE NONE TITLE SLX1
 59. 1893 LOAD X 1
 60. LOAD 2 LOADTYPE NONE TITLE SLZ1
 61. 1893 LOAD Z 1
 62. LOAD 3 LOADTYPE DEAD TITLE DL
 63. SELFWEIGHT Y -1
 64. MEMBER LOAD
 65. 40 61 112 115 117 120 123 125 127 130 132 134 137 139 141 UNI GY -25
 66. LOAD 4 LOADTYPE LIVE TITLE LL
 67. MEMBER LOAD
 68. 40 61 112 115 117 120 123 125 127 130 132 134 137 139 141 UNI GY -15
 69. LOAD 7 LOADTYPE WIND TITLE WLZ1
 70. WIND LOAD Z 1 TYPE 1
 71. LOAD 8 LOADTYPE WIND TITLE WLZ2
 72. WIND LOAD Z -1 TYPE 1
 73. LOAD COMB 9 1.5(DL+LL)
 74. 3 1.5 4 1.5
 75. LOAD COMB 10 1.2(DL+LL+SLX)
 76. 3 1.2 4 1.2 1 1.2
 77. LOAD COMB 11 1.2(DL+LL+SLZ)


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78. 3 1.2 4 1.2 2 1.2
 79. LOAD COMB 14 1.2(DL+LL+WLZ1)
 80. 3 1.2 4 1.2 7 1.2
 81. LOAD COMB 15 1.2(DL+LL+WLZ2)
 82. 3 1.2 4 1.2 8 1.2
 83. LOAD COMB 16 1.5(DL+SLX)
 84. 3 1.5 1 1.5
 85. LOAD COMB 17 1.5(DL+SLZ)
 86. 3 1.5 2 1.5
 87. LOAD COMB 20 1.5(DL+WLZ1)
 88. 3 1.5 7 1.5
 89. LOAD COMB 21 1.5(DL+WLZ2)
 90. 3 1.5 8 1.5
 91. LOAD COMB 22 0.9DL+1.5SLX
 92. 3 0.9 1 1.5
 93. LOAD COMB 23 0.9DL+1.5SLZ
 94. 3 0.9 2 1.5
 95. LOAD COMB 26 0.9DL+1.5WLZ1
 96. 3 0.9 7 1.5
 97. LOAD COMB 27 0.9DL+1.5WLZ2
 98. 3 0.9 8 1.5
 99. PERFORM ANALYSIS

PROBLEM STATISTICS

NUMBER OF JOINTS	24	NUMBER OF MEMBERS	38
NUMBER OF PLATES	0	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	4

Using 64-bit analysis engine.

SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

TOTAL PRIMARY LOAD CASES = 6, TOTAL DEGREES OF FREEDOM = 120
 TOTAL LOAD COMBINATION CASES = 13 SO FAR.

**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.


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*****
* UNITS - KN      METE
* TIME PERIOD FOR X 1893 LOADING = 0.57165 SEC
* SA/G PER 1893= 1.190, LOAD FACTOR= 1.000
* VB PER 1893= 0.0317 X 1926.18= 61.10 KN
*
*****

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*****
* UNITS - KN      METE
* TIME PERIOD FOR Z 1893 LOADING = 0.57165 SEC
* SA/G PER 1893= 1.190, LOAD FACTOR= 1.000
* VB PER 1893= 0.0317 X 1926.18= 61.10 KN
*
*****

```

100. FINISH

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

**** DATE= OCT 1,2024 TIME= 17:14: 8 ****


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*   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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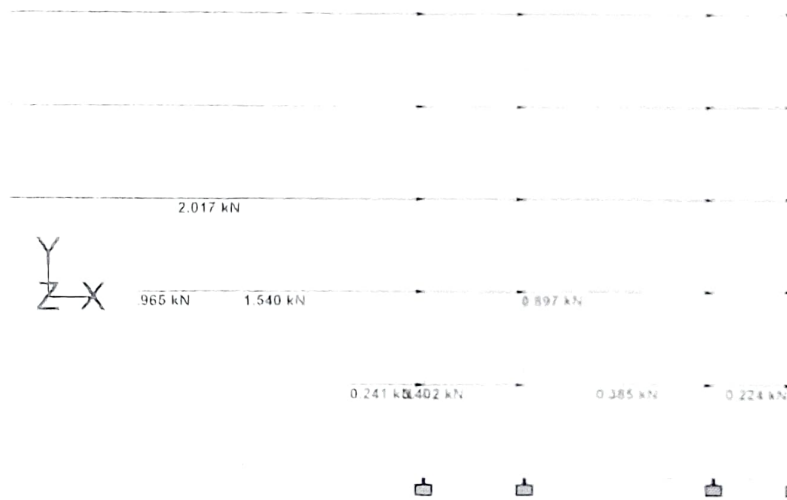
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Chd: Suresh

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File: MADUVINKARAI.std

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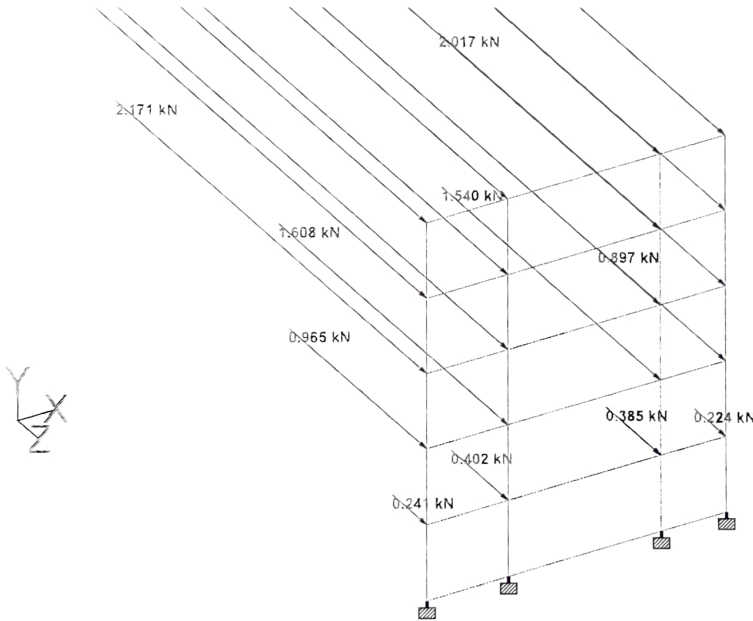
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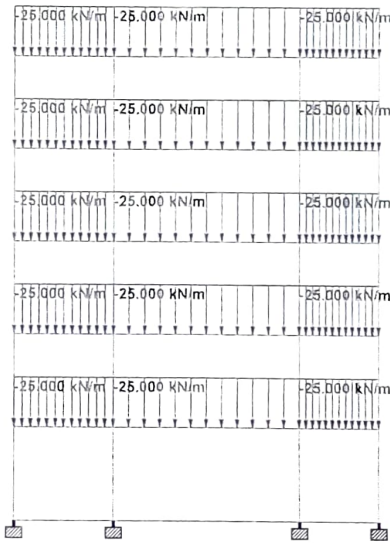
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Y
Z-X




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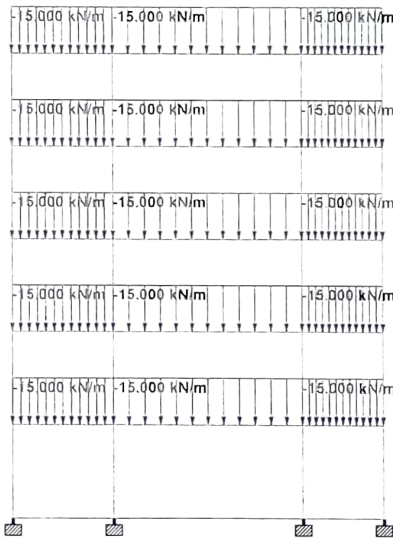
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Z X



Load 4

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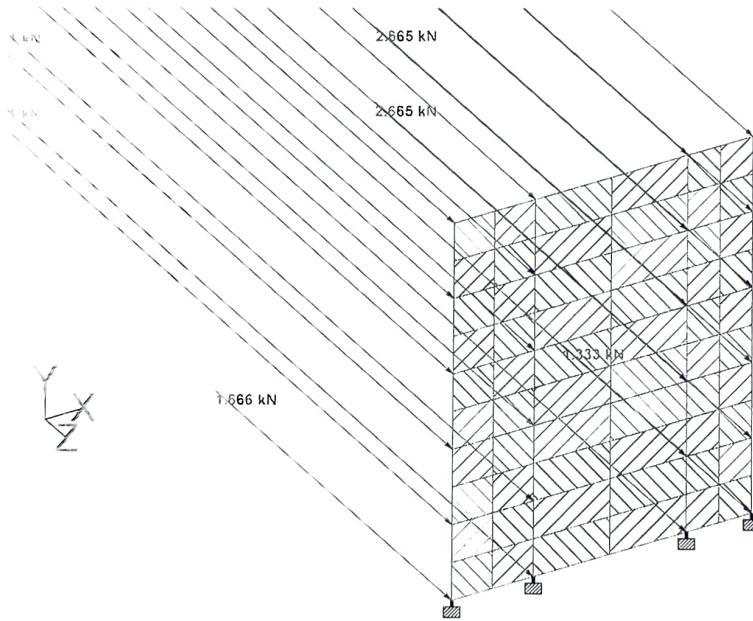
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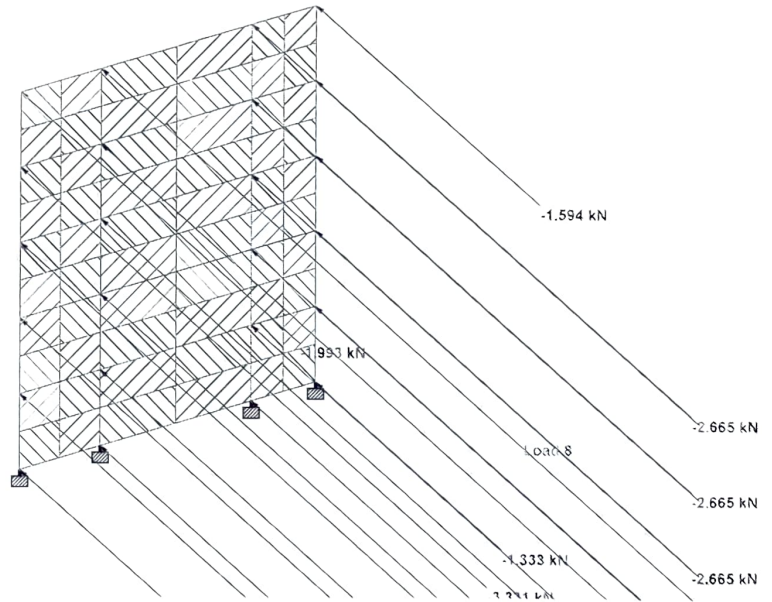
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