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**************************************************
*                                                *
*           STAAD.Pro CONNECT Edition            *
*           Version  22.00.00.15                 *
*           Proprietary Program of               *
*           Bentley Systems, Inc.                *
*           Date=    FEB 15, 2025                *
*           Time=    16:41:18                    *
*                                                *
*  Licensed to: only @ ::LAVTeam:: (R)           *
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```
    1. STAAD SPACE
INPUT FILE: I:\1.MISCELLANEOUS\STABILITY CERTIFICATE\UC-SIRUSERI\SIRUSERI.STD
    2. START JOB INFORMATION
    3. JOB NAME THE PROPOSED CONSTRUCTION OF RESIDENTIAL  NON - HIGH RISE GROUP
    4. *DEVELOPMENT CONSISTS OF 4 BLOCKS, BLOCK 1: BASEMENT + GROUND + 5 UPPER
    5. *FLOORS,(118 D/U) BLOCK 2 : BASEMENT + GROUND + 5 UPPER FLOORS (119
    6. *D/U), BLOCK 3  & 4 WITH COMBINED BASEMENT FLOOR, BLOCK 3: GROUND FLOOR
    7. *PART + 5 UPPER FLOORS (125 D/U), AMENITY BLOCK : GROUND FLOOR PART + 3
    8. *UPPER FLOORS, BLOCK 4 : GROUND + 5 UPPER FLOORS(107 D/U) WITH SWIMMING
    9. *POOL ON THE GROUND LEVEL,TOTALLY 469 D/U COMPRISED IN S. NOS. 167/2,
   10. *167/3, 167/4A,  167/5A, 167/5B, 167/6, 167/7, 167/9, 167/10, 167/11,
   11. *167/12B, 168/2, 168/3, 168/4, 168/5A, 168/5B, 168/6, 168/7, 168/14,
   12. *180/2, 180/3A, 180/3B, 180/4, 180/6A, 180/6B, 180/7, 180/8, 180/9A,
   13. *180/9B, 208/1, 208/2, 209/1A, 209/1B, 209/1C, 209/1D, 209/1E, 209/2A,
   14. *209/2B, 209/3, 209/4, 209/5, 209/6, 209/7, 209/8, 209/10, 209/11,
   15. *209/12, 209/13, 209/14A, 209/14B, 209/15, 209/16A, 209/16B, 209/17A,
   16. *209/17B, 209/17C, 209/18A, 209/18B, 209/18C, 209/19, 210/4B1B, 210/6B,
   17. *210/9B, 210/11 & 210/13 OF PUDUPAKKAM VILLAGE, VANDALUR TALUK ,
   18. *CHENGALPATTU DISTRICT.
   19. ENGINEER NAME SURESH
   20. CHECKER NAME SURESH
   21. APPROVED NAME SURESH
   22. ENGINEER DATE 2/15/2025
   23. CHECKER DATE 2/15/2025
   24. APPROVED DATE 2/15/2025
   25. END JOB INFORMATION
   26. INPUT WIDTH 79
   27. UNIT METER KN
   28. JOINT COORDINATES
   29. 1 -8.1 -1.45 0; 25 -8.1 -4.45 0; 26 -5.46 -1.45 0; 27 -5.46 -4.45 0
   30. 36 -8.1 1.55 0; 37 -5.46 1.55 0; 66 -14.3 -1.45 0; 67 -14.3 -4.45 0
   31. 68 -14.3 1.55 0; 69 -17.6 -1.45 0; 70 -17.6 -4.45 0; 71 -17.6 1.55 0
   32. 72 -8.1 4.55 0; 73 -5.46 4.55 0; 74 -14.3 4.55 0; 75 -17.6 4.55 0
   33. 76 -8.1 7.55 0; 77 -5.46 7.55 0; 78 -14.3 7.55 0; 79 -17.6 7.55 0
   34. 80 -8.1 10.55 0; 81 -5.46 10.55 0; 82 -14.3 10.55 0; 83 -17.6 10.55 0
   35. 84 -8.1 13.55 0; 85 -5.46 13.55 0; 86 -14.3 13.55 0; 87 -17.6 13.55 0
   36. 88 -8.1 16.55 0; 89 -5.46 16.55 0; 90 -14.3 16.55 0; 91 -17.6 16.55 0
   37. MEMBER INCIDENCES
   38. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 55 1 36; 56 26 37; 61 36 37; 111 66 67
```

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Structural Engineer
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Reg. No. SE/I/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-I/2024/07/005

```
39. 112 66 1; 113 67 25; 114 66 68; 115 68 36; 116 69 70; 117 69 66; 118 70 67
40. 119 69 71; 120 71 68; 121 36 72; 122 37 73; 123 72 73; 124 68 74; 125 74 72
41. 126 71 75; 127 75 74; 128 72 76; 129 73 77; 130 76 77; 131 74 78; 132 78 76
42. 133 75 79; 134 79 78; 135 76 80; 136 77 81; 137 80 81; 138 78 82; 139 82 80
43. 140 79 83; 141 83 82; 142 80 84; 143 81 85; 144 84 85; 145 82 86; 146 86 84
44. 147 83 87; 148 87 86; 149 84 88; 150 85 89; 151 88 89; 152 86 90; 153 90 88
45. 154 87 91; 155 91 90
46. DEFINE MATERIAL START
47. ISOTROPIC CONCRETE
48. E 2.17185E+07
49. POISSON 0.17
50. DENSITY 23.5616
51. ALPHA 1E-05
52. DAMP 0.05
53. END DEFINE MATERIAL
54. MEMBER PROPERTY INDIAN
55. 40 41 61 112 113 115 117 118 120 123 125 127 130 132 134 137 139 141 144 146 -
56. 148 151 153 155 PRIS YD 0.6 ZD 0.2
57. MEMBER PROPERTY INDIAN
58. 39 42 55 56 111 114 116 119 121 122 124 126 128 129 131 133 135 136 138 140 -
59. 142 143 145 147 149 150 152 154 PRIS YD 0.6 ZD 0.2
60. CONSTANTS
61. MATERIAL CONCRETE ALL
62. SUPPORTS
63. 25 27 67 70 FIXED
64. DEFINE 1893 LOAD
65. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
66. MEMBER WEIGHT
67. 39 TO 42 55 56 61 111 TO 155 UNI -14.5
68. 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.

69. TYPE 1
70. INT 0.673 1.03335 1.3537 1.65375 HEIG  10  30  50  100
71. EXP 1 JOINT 1 25 TO 27 36 37 66 TO 91
72. LOAD 1 LOADTYPE NONE  TITLE SLX1
73. 1893 LOAD X 1
74. LOAD 2 LOADTYPE NONE  TITLE SLZ1
75. 1893 LOAD Z 1
76. LOAD 3 LOADTYPE DEAD  TITLE DL
77. SELFWEIGHT Y -1
78. MEMBER LOAD
79. 40 61 112 115 117 120 123 125 127 130 132 134 137 139 141 144 146 148 151 -
80. 153 155 UNI GY -25
81. LOAD 4 LOADTYPE LIVE  TITLE LL
82. MEMBER LOAD
83. 40 61 112 115 117 120 123 125 127 130 132 134 137 139 141 144 146 148 151 -
```

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```
84. 153 155 UNI GY -15
85. LOAD 7 LOADTYPE WIND  TITLE WLZ1
86. WIND LOAD Z 1 TYPE 1
87. LOAD 8 LOADTYPE WIND  TITLE WLZ2
88. WIND LOAD Z -1 TYPE 1
89. LOAD COMB 9 1.5(DL+LL)
90. 3 1.5 4 1.5
91. LOAD COMB 10 1.2(DL+LL+SLX)
92. 3 1.2 4 1.2 1 1.2
93. LOAD COMB 11 1.2(DL+LL+SLZ)
94. 3 1.2 4 1.2 2 1.2
95. LOAD COMB 14 1.2(DL+LL+WLZ1)
96. 3 1.2 4 1.2 7 1.2
97. LOAD COMB 15 1.2(DL+LL+WLZ2)
98. 3 1.2 4 1.2 8 1.2
99. LOAD COMB 16 1.5(DL+SLX)
100. 3 1.5 1 1.5
101. LOAD COMB 17 1.5(DL+SLZ)
102. 3 1.5 2 1.5
103. LOAD COMB 20 1.5(DL+WLZ1)
104. 3 1.5 7 1.5
105. LOAD COMB 21 1.5(DL+WLZ2)
106. 3 1.5 8 1.5
107. LOAD COMB 22 0.9DL+1.5SLX
108. 3 0.9 1 1.5
109. LOAD COMB 23 0.9DL+1.5SLZ
110. 3 0.9 2 1.5
111. LOAD COMB 26 0.9DL+1.5WLZ1
112. 3 0.9 7 1.5
113. LOAD COMB 27 0.9DL+1.5WLZ2
114. 3 0.9 8 1.5
115. PERFORM ANALYSIS
```

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

NUMBER OF JOINTS	32	NUMBER OF MEMBERS	52
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 OUT-OF-CORE BASIC SOLVER

ORIGINAL/FINAL BAND-WIDTH= 8/ 5/ 36 DOF



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STAAD SPACE -- PAGE NO. 4

TOTAL PRIMARY LOAD CASES = 6, TOTAL DEGREES OF FREEDOM = 168
TOTAL LOAD COMBINATION CASES = 13 SO FAR.
SIZE OF STIFFNESS MATRIX = 7 DOUBLE KILO-WORDS
REQRD/AVAIL. DISK SPACE = 12.2/-762726.9 MB

**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.

```
*********************************************************
*                                                       *
* UNITS - KN     METE                                   *
* TIME PERIOD FOR X 1893 LOADING =     0.73574 SEC      *
* SA/G PER 1893=     0.924, LOAD FACTOR= 1.000          *
* VB PER 1893=     0.0246 X      2626.24=       64.73 KN *
*                                                       *
*********************************************************
```

```
*********************************************************
*                                                       *
* UNITS - KN     METE                                   *
* TIME PERIOD FOR Z 1893 LOADING =     0.73574 SEC      *
* SA/G PER 1893=     0.924, LOAD FACTOR= 1.000          *
* VB PER 1893=     0.0246 X      2626.24=       64.73 KN *
*                                                       *
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116. FINISH

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

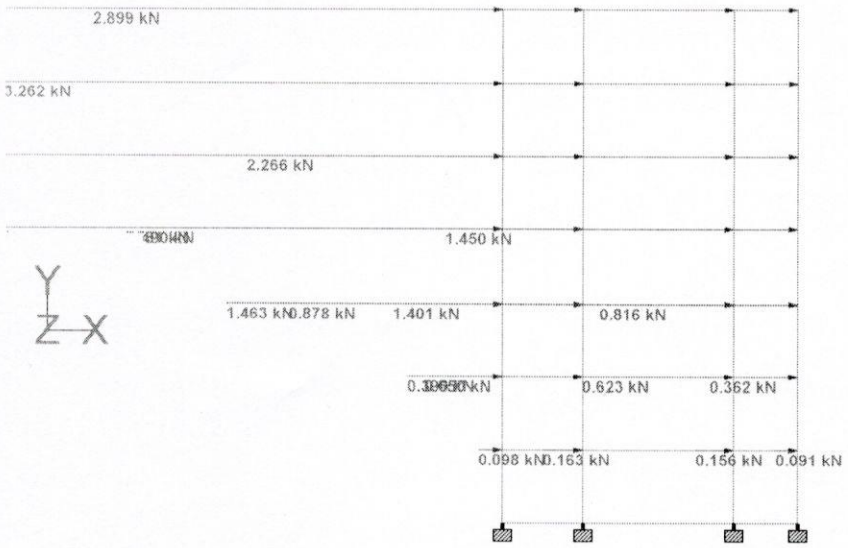
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STAAD SPACE -- PAGE NO. 5

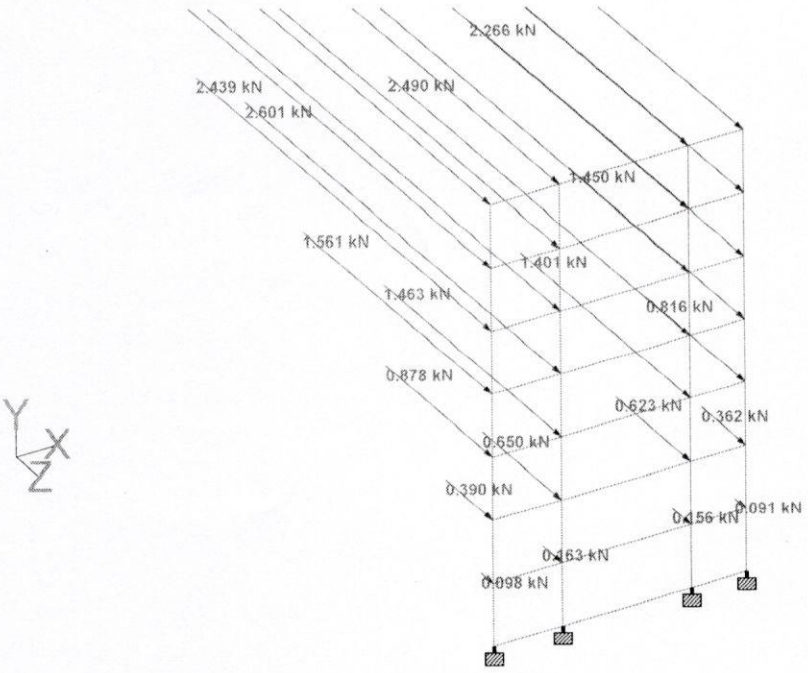
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*************************************************************
*   For technical assistance on STAAD.Pro, please visit     *
*   http://www.bentley.com/en/support/                      *
*                                                           *
*   Details about additional assistance from                *
*   Bentley and Partners can be found at program menu       *
*   Help->Technical Support                                 *
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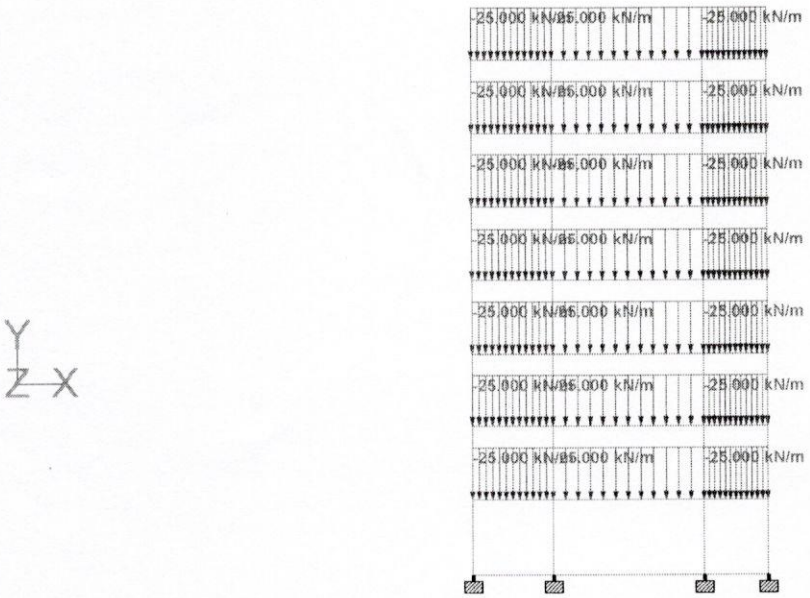
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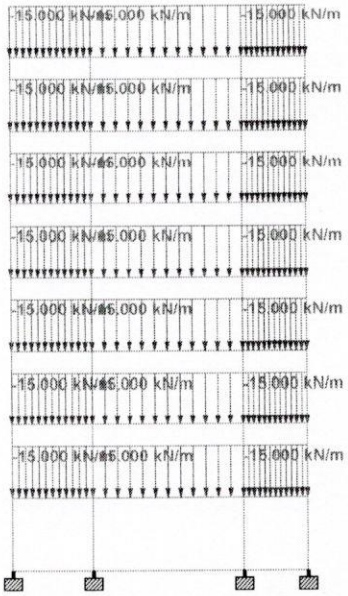
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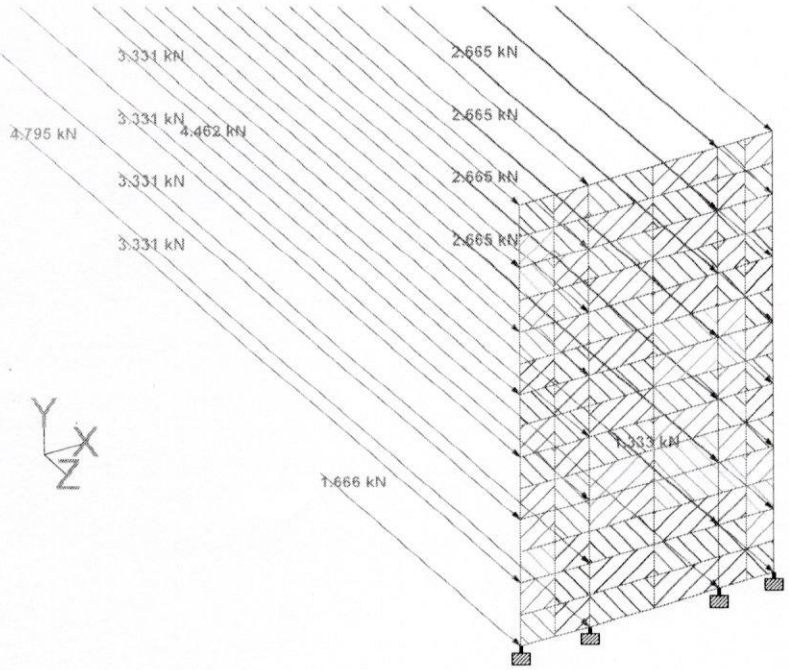
Load 3

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Load 4

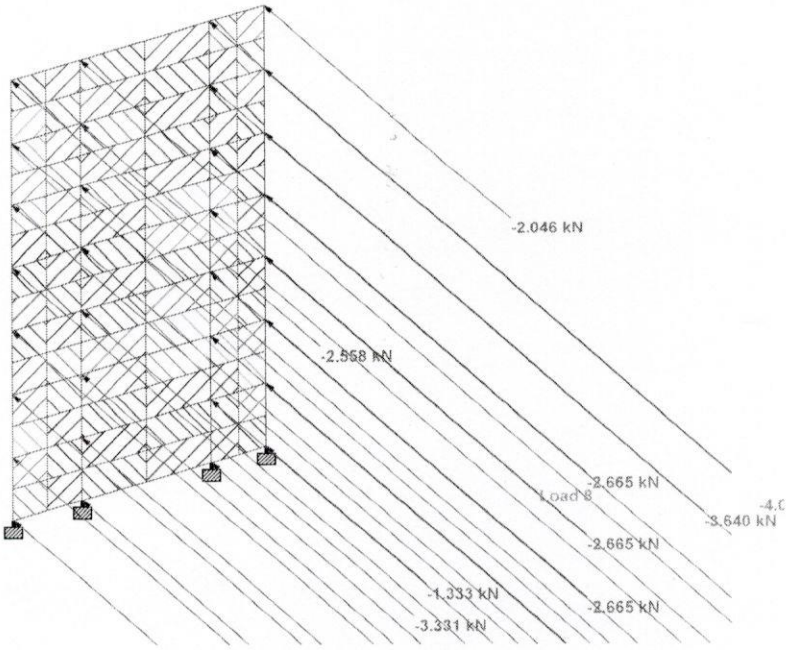
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Load 7

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Home Vastu Shastra, Plot Vastu Shastra, Property Management

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