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PAGE NO. 1

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*****************************************************
*                                                   *
*           STAAD.Pro CONNECT Edition               *
*           Version  22.10.00.153                   *
*           Proprietary Program of                  *
*           Bentley Systems, Inc.                   *
*           Date=    AUG 30, 2024                   *
*           Time=    17: 4:34                       *
*                                                   *
*  Licensed to: Universal Consultants               *
*****************************************************
```

```
     1. STAAD SPACE
INPUT FILE: C:\Users\suresh\Desktop\30-08-2024\KANNAMPALAYAM.STD
     2. START JOB INFORMATION
     3. JOB NAME THE PROPOSED CONSTRUCTION OF PHASE ? 1 NON HIGH RISE  RESIDENTIAL
     4. *GROUP DEVELOPMENT CONSISTS OF 2 BLOCKS WITH COMBINED BASEMENT, BLOCK A :
     5. *GROUND FLOOR + 5 UPPER FLOORS, (143 D/U) BLOCK B: GROUND FLOOR (PART) + 5
     6. *UPPER FLOORS, (64 D/U) CLUBHOUSE (PART) GROUND FLOOR + 4 UPPER FLOORS AND
     7. *SWIMMING POOL ON THE GROUND FLOOR LEVEL, TOTALLY 207 D/U COMPRISED IN S.NO.
     8. *150 / 1A2B OF KANNAMPALAYAM VILLAGE ,SULUR  TALUK COIMBATORE DISTRICT.
     9. ENGINEER NAME SURESH
    10. CHECKER NAME SURESH
    11. APPROVED NAME SURESH
    12. ENGINEER DATE 8/30/2024
    13. CHECKER DATE 8/30/2024
    14. APPROVED DATE 8/30/2024
    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. 84 -8.1 13.55 0; 85 -5.46 13.55 0; 86 -14.3 13.55 0; 87 -17.6 13.55 0
    26. 88 -8.1 16.55 0; 89 -5.46 16.55 0; 90 -14.3 16.55 0; 91 -17.6 16.55 0
    27. MEMBER INCIDENCES
    28. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 55 1 36; 56 26 37; 61 36 37; 111 66 67
    29. 112 66 1; 113 67 25; 114 66 68; 115 68 36; 116 69 70; 117 69 66; 118 70 67
    30. 119 69 71; 120 71 68; 121 36 72; 122 37 73; 123 72 73; 124 68 74; 125 74 72
    31. 126 71 75; 127 75 74; 128 72 76; 129 73 77; 130 76 77; 131 74 78; 132 78 76
    32. 133 75 79; 134 79 78; 135 76 80; 136 77 81; 137 80 81; 138 78 82; 139 82 80
    33. 140 79 83; 141 83 82; 142 80 84; 143 81 85; 144 84 85; 145 82 86; 146 86 84
    34. 147 83 87; 148 87 86; 149 84 88; 150 85 89; 151 88 89; 152 86 90; 153 90 88
    35. 154 87 91; 155 91 90
    36. DEFINE MATERIAL START
    37. ISOTROPIC CONCRETE
    38. E 2.17185E+07
```



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Reg. No. RSE100382019
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```
39. POISSON 0.17
40. DENSITY 23.5616
41. ALPHA 1E-05
42. DAMP 0.05
43. END DEFINE MATERIAL
44. MEMBER PROPERTY INDIAN
45. 40 41 61 112 113 115 117 118 120 123 125 127 130 132 134 137 139 141 144 146 -
46. 148 151 153 155 PRIS YD 0.6 ZD 0.2
47. MEMBER PROPERTY INDIAN
48. 39 42 55 56 111 114 116 119 121 122 124 126 128 129 131 133 135 136 138 140 -
49. 142 143 145 147 149 150 152 154 PRIS YD 0.6 ZD 0.2
50. CONSTANTS
51. MATERIAL CONCRETE ALL
52. SUPPORTS
53. 25 27 67 70 FIXED
54. DEFINE 1893 LOAD
55. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
56. MEMBER WEIGHT
57. 39 TO 42 55 56 61 111 TO 155 UNI -14.5
58. 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.

59. TYPE 1
60. INT 0.673 1.03335 1.3537 1.65375 HEIG  10  30  50  100
61. EXP 1 JOINT 1 25 TO 27 36 37 66 TO 91
62. LOAD 1 LOADTYPE NONE  TITLE SLX1
63. 1893 LOAD X 1
64. LOAD 2 LOADTYPE NONE  TITLE SLZ1
65. 1893 LOAD Z 1
66. LOAD 3 LOADTYPE DEAD  TITLE DL
67. SELFWEIGHT Y -1
68. MEMBER LOAD
69. 40 61 112 115 117 120 123 125 127 130 132 134 137 139 141 144 146 148 151 -
70. 153 155 UNI GY -25
71. LOAD 4 LOADTYPE LIVE  TITLE LL
72. MEMBER LOAD
73. 40 61 112 115 117 120 123 125 127 130 132 134 137 139 141 144 146 148 151 -
74. 153 155 UNI GY -15
75. LOAD 7 LOADTYPE WIND  TITLE WLZ1
76. WIND LOAD Z 1 TYPE 1
77. LOAD 8 LOADTYPE WIND  TITLE WLZ2
78. WIND LOAD Z -1 TYPE 1
```



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```
 79. LOAD COMB 9 1.5(DL+LL)
 80. 3 1.5 4 1.5
 81. LOAD COMB 10 1.2(DL+LL+SLX)
 82. 3 1.2 4 1.2 1 1.2
 83. LOAD COMB 11 1.2(DL+LL+SLZ)
 84. 3 1.2 4 1.2 2 1.2
 85. LOAD COMB 14 1.2(DL+LL+WLZ1)
 86. 3 1.2 4 1.2 7 1.2
 87. LOAD COMB 15 1.2(DL+LL+WLZ2)
 88. 3 1.2 4 1.2 8 1.2
 89. LOAD COMB 16 1.5(DL+SLX)
 90. 3 1.5 1 1.5
 91. LOAD COMB 17 1.5(DL+SLZ)
 92. 3 1.5 2 1.5
 93. LOAD COMB 20 1.5(DL+WLZ1)
 94. 3 1.5 7 1.5
 95. LOAD COMB 21 1.5(DL+WLZ2)
 96. 3 1.5 8 1.5
 97. LOAD COMB 22 0.9DL+1.5SLX
 98. 3 0.9 1 1.5
 99. LOAD COMB 23 0.9DL+1.5SLZ
100. 3 0.9 2 1.5
101. LOAD COMB 26 0.9DL+1.5WLZ1
102. 3 0.9 7 1.5
103. LOAD COMB 27 0.9DL+1.5WLZ2
104. 3 0.9 8 1.5
105. 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 IN-CORE ADVANCED MATH SOLVER

 TOTAL      PRIMARY LOAD CASES =     6, TOTAL DEGREES OF FREEDOM =     168
 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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STAAD SPACE -- PAGE NO. 4

```
*********************************************************
* 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   *
*                                                       *
*********************************************************


106. FINISH

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

            **** DATE= AUG 30,2024   TIME= 17: 4:35 ****
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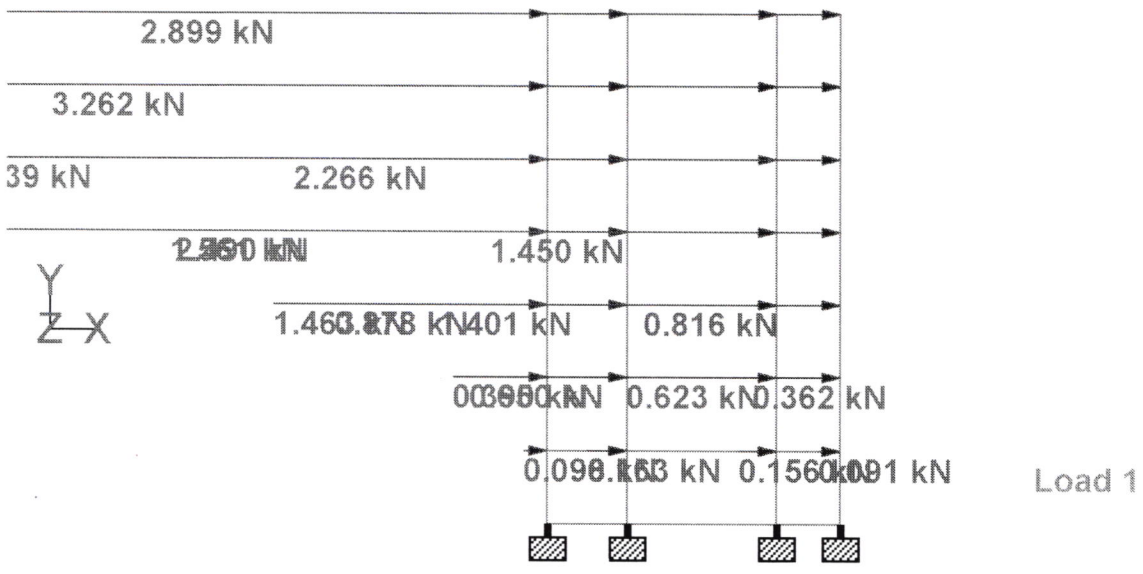
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STAAD SPACE -- PAGE NO. 5

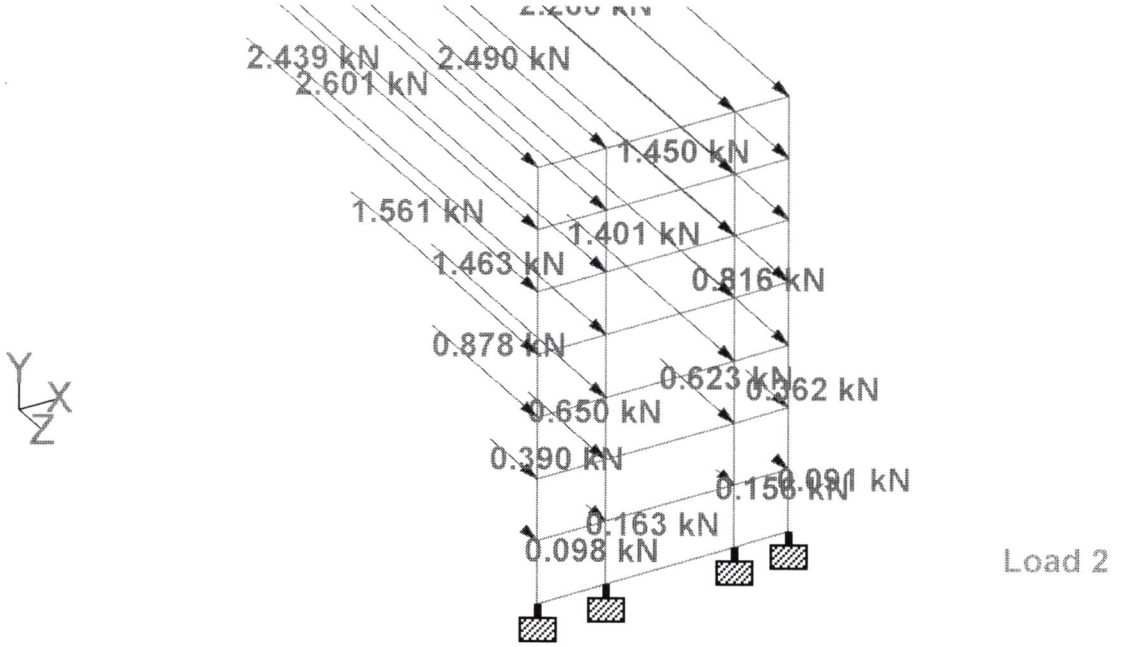
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*   For technical assistance on STAAD.Pro, please visit     *
*   http://www.bentley.com/en/support/                      *
*                                                           *
*   Details about additional assistance from                *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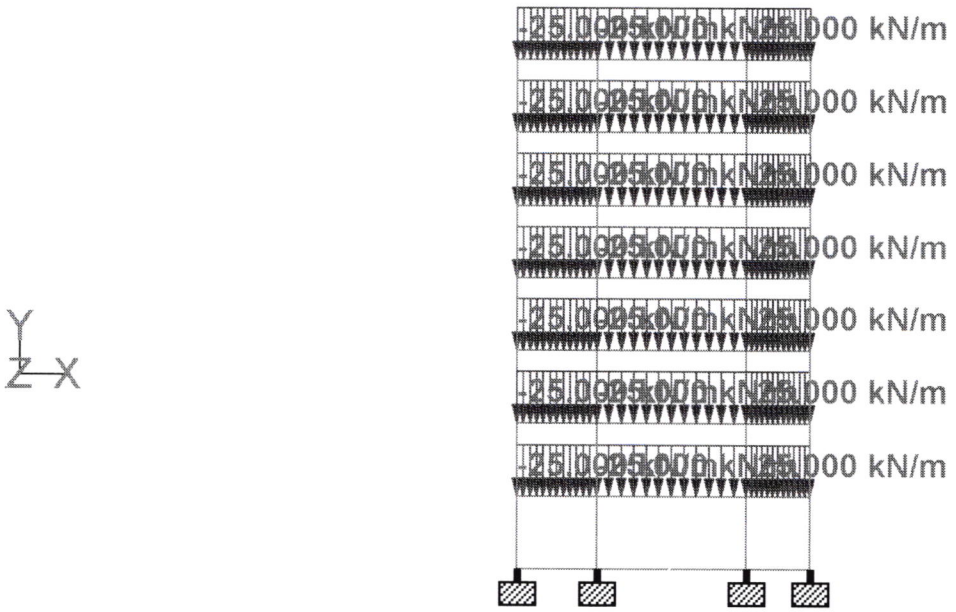


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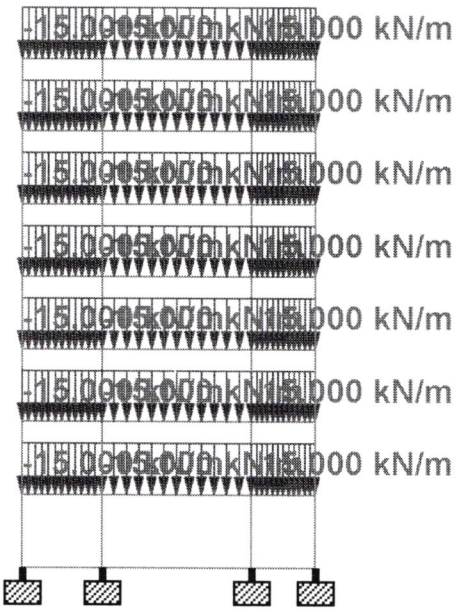
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Load 3

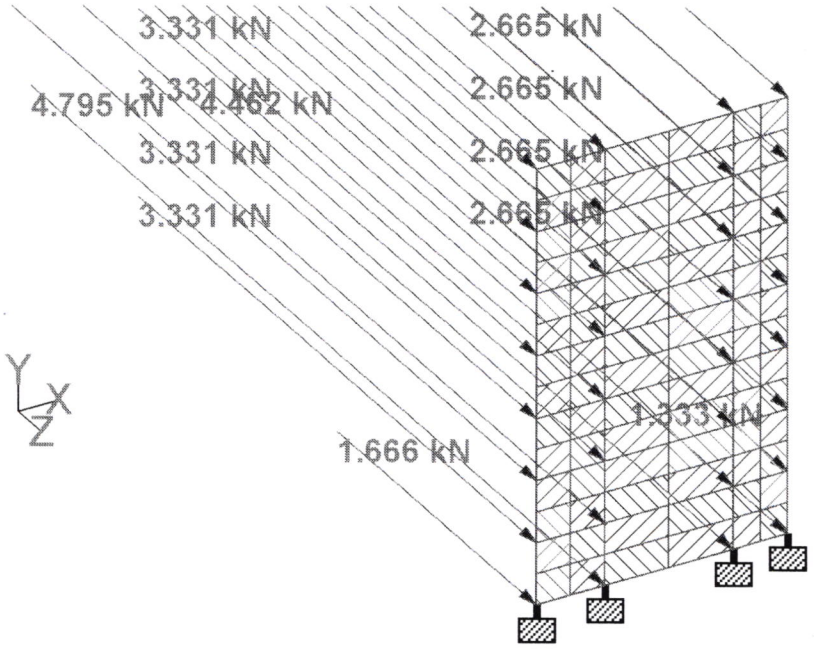
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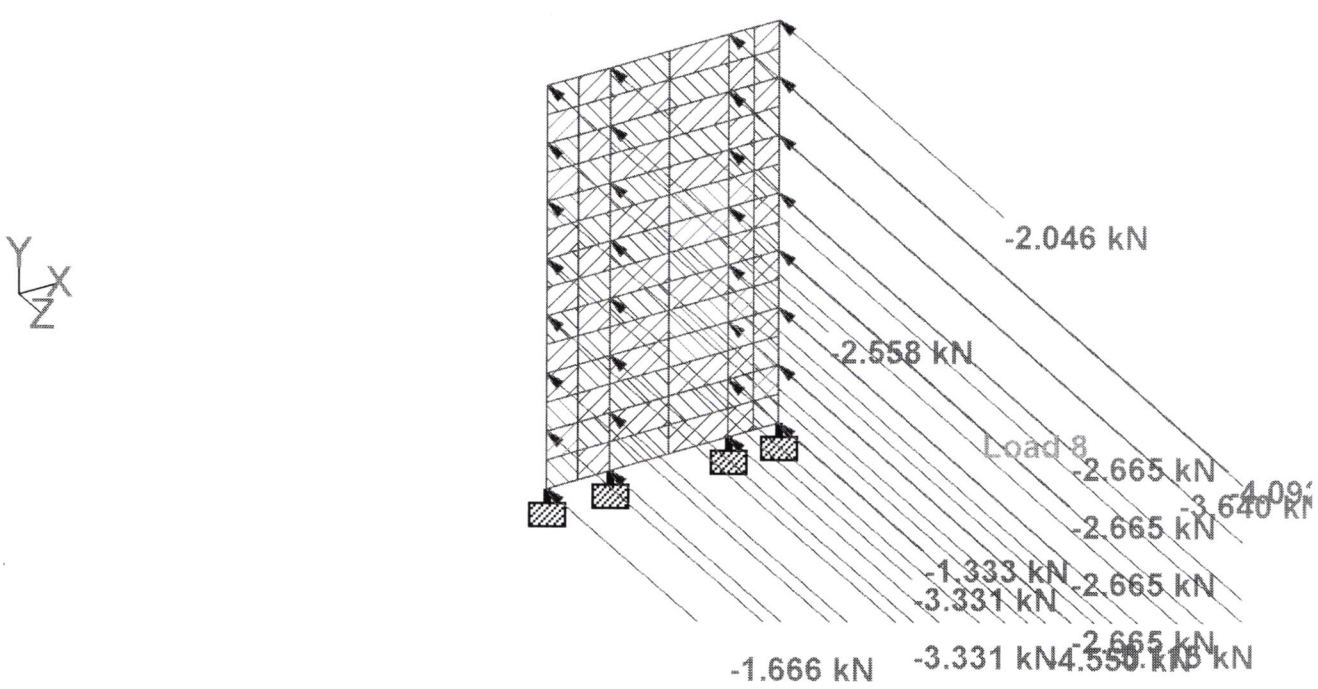
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Load 7

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