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**************************************************
*                                                *
*           STAAD.Pro CONNECT Edition            *
*           Version  22.10.00.153                *
*           Proprietary Program of               *
*           Bentley Systems, Inc.                *
*           Date=    AUG 29, 2024                *
*           Time=    15:20:30                    *
*                                                *
*  Licensed to: Universal Consultants            *
**************************************************
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```
     1. STAAD SPACE
INPUT FILE: C:\Users\suresh\Desktop\UC-AVARAMPALAYAM\AVARAMPALAYAM.STD
     2. START JOB INFORMATION
     3. JOB NAME THE PROPOSED CONSTRUCTION OF A RESIDENTIAL & COMMERCIAL NON HIGH RISE
     4. *GROUP DEVELOPMENT CONSISTS OF 15 BLOCKS, BLOCK 1 TO 12A: GROUND + FIRST FLOOR
     5. *SECOND FLOOR , 13D/U, BLOCK 14: COMBINED BASEMENT + GROUND + 5 UPPER FLOORS, 3
     6. *D/U, TOTALLY 48 D/U WITH SWIMMING POOL ON THE GROUND LEVEL & BLOCK 15
     7. *(COMMERCIAL BLOCK): COMBINED BASEMENT + GROUND + 4 UPPER FLOORS COMPRISED IN
     8. *T.S. NO : 1/2 , [OLD S.NO : 381 PT], WARD NO.AA, BLOCK NO.2 OF SOWRIPALAYAM
     9. *VILLAGE, COIMBATORE SOUTH TALUK, COIMBATORE CORPORATION, SINGANALLUR
    10. *DD PLAN NO.19
    11. ENGINEER NAME SURESH
    12. CHECKER NAME SURESH
    13. APPROVED NAME SURESH
    14. ENGINEER DATE 8/29/2024
    15. CHECKER DATE 8/29/2024
    16. APPROVED DATE 8/29/2024
    17. END JOB INFORMATION
    18. INPUT WIDTH 79
    19. UNIT METER KN
    20. JOINT COORDINATES
    21. 1 -5 -1 0; 25 -5 -4 0; 26 -1.5 -1 0; 27 -1.5 -4 0; 28 2.2 -1 0; 29 2.2 -4 0
    22. 36 -5 2 0; 37 -1.5 2 0; 38 2.2 2 0; 42 -5 5 0; 43 -1.5 5 0; 44 2.2 5 0
    23. 57 5.9 -1 0; 58 5.9 -4 0; 59 5.9 2 0; 60 5.9 5 0; 63 9.6 -1 0; 64 9.6 -4 0
    24. 65 9.6 2 0; 66 9.6 5 0; 67 -5 8 0; 68 -1.5 8 0; 69 2.2 8 0; 70 5.9 8 0
    25. 71 9.6 8 0; 72 -5 11 0; 73 -1.5 11 0; 74 2.2 11 0; 75 5.9 11 0; 76 9.6 11 0
    26. 77 -5 14 0; 78 -1.5 14 0; 79 2.2 14 0; 80 5.9 14 0; 81 9.6 14 0; 82 -5 17 0
    27. 83 -1.5 17 0; 84 2.2 17 0; 85 5.9 17 0; 86 9.6 17 0
    28. MEMBER INCIDENCES
    29. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 43 26 28; 44 27 29; 45 28 29; 55 1 36
    30. 56 26 37; 57 28 38; 61 36 37; 62 37 38; 66 36 42; 67 37 43; 68 38 44; 72 42 43
    31. 73 43 44; 96 28 57; 97 29 58; 98 57 58; 99 57 59; 100 38 59; 101 59 60
    32. 102 44 60; 107 57 63; 108 58 64; 109 63 64; 110 63 65; 111 59 65; 112 65 66
    33. 113 60 66; 114 42 67; 115 43 68; 116 44 69; 117 67 68; 118 68 69; 119 60 70
    34. 120 69 70; 121 66 71; 122 70 71; 123 67 72; 124 68 73; 125 69 74; 126 72 73
    35. 127 73 74; 128 70 75; 129 74 75; 130 71 76; 131 75 76; 132 72 77; 133 73 78
    36. 134 74 79; 135 77 78; 136 78 79; 137 75 80; 138 79 80; 139 76 81; 140 80 81
    37. 141 77 82; 142 78 83; 143 79 84; 144 82 83; 145 83 84; 146 80 85; 147 84 85
    38. 148 81 86; 149 85 86
```

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
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Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-I/2024/IF/0005

```
39. DEFINE MATERIAL START
40. ISOTROPIC CONCRETE
41. E 2.17185E+07
42. POISSON 0.17
43. DENSITY 23.5616
44. ALPHA 1E-05
45. DAMP 0.05
46. END DEFINE MATERIAL
47. MEMBER PROPERTY INDIAN
48. 39 42 45 55 TO 57 66 TO 68 98 99 101 109 110 112 114 TO 116 119 121 -
49. 123 TO 125 128 130 132 TO 134 137 139 141 TO 143 146 -
50. 148 PRIS YD 0.8 ZD 0.3
51. 40 41 43 44 61 62 72 73 96 97 100 102 107 108 111 113 117 118 120 122 126 -
52. 127 129 131 135 136 138 140 144 145 147 149 PRIS YD 0.6 ZD 0.2
53. CONSTANTS
54. MATERIAL CONCRETE MEMB 39 TO 45 55 TO 57 61 62 66 TO 68 72 73 96 TO 102 107 -
55. 108 TO 149
56. SUPPORTS
57. 25 27 29 58 64 FIXED
58. DEFINE 1893 LOAD
59. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
60. MEMBER WEIGHT
61. 39 TO 45 55 TO 57 61 62 66 TO 68 72 73 96 TO 102 107 TO 149 UNI -14.5
62. 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.

63. TYPE 1
64. INT 0.673 1.03335 1.3537 1.65375 HEIG  10  30  50  100
65. EXP 1 JOINT 1 25 TO 29 36 TO 38 42 TO 44 57 TO 60 63 TO 86
66. LOAD 1 LOADTYPE NONE  TITLE SLX1
67. 1893 LOAD X 1
68. LOAD 2 LOADTYPE NONE  TITLE SLZ1
69. 1893 LOAD Z 1
70. LOAD 3 LOADTYPE DEAD  TITLE DL
71. SELFWEIGHT Y -1 LIST ALL
72. MEMBER LOAD
73. 40 43 61 62 72 73 96 100 102 107 111 113 117 118 120 122 126 127 129 131 135 -
74. 136 138 140 144 145 147 149 UNI GY -25
75. LOAD 4 LOADTYPE LIVE  TITLE LL
76. MEMBER LOAD
77. 40 43 61 62 72 73 96 100 102 107 111 113 117 118 120 122 126 127 129 131 135 -
78. 136 138 140 144 145 147 149 UNI GY -15
79. LOAD 7 LOADTYPE WIND  TITLE WLZ1
80. WIND LOAD Z 1 TYPE 1
```

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


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

  NUMBER OF JOINTS         40  NUMBER OF MEMBERS      67
  NUMBER OF PLATES          0  NUMBER OF SOLIDS        0
  NUMBER OF SURFACES        0  NUMBER OF SUPPORTS      5

        Using 64-bit analysis engine.

        SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

TOTAL       PRIMARY LOAD CASES =     6, TOTAL DEGREES OF FREEDOM =     210
TOTAL LOAD COMBINATION  CASES =    13  SO FAR.
```



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


 ******************************************************
 * 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     3216.10=      79.26 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     3216.10=      79.26 KN *
 *                                                    *
 ******************************************************


 110. FINISH

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

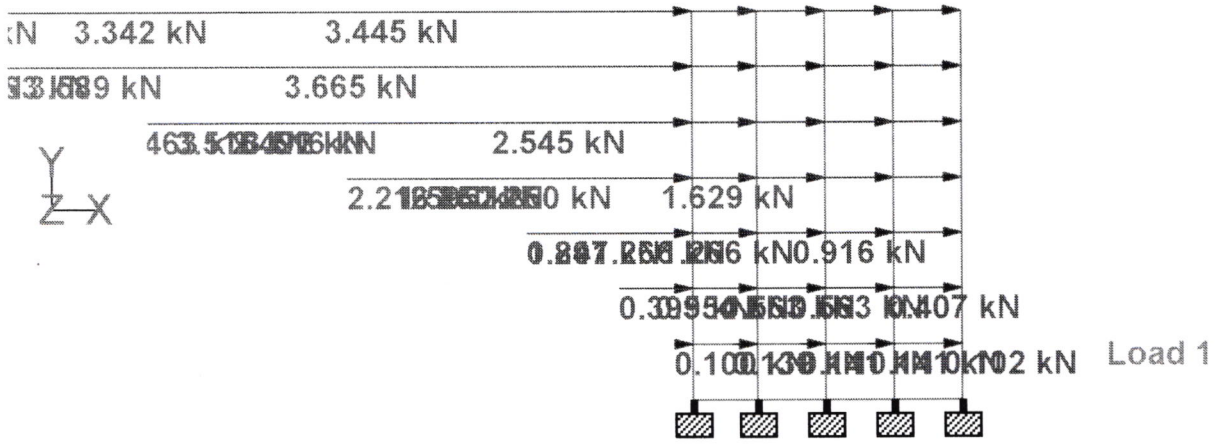
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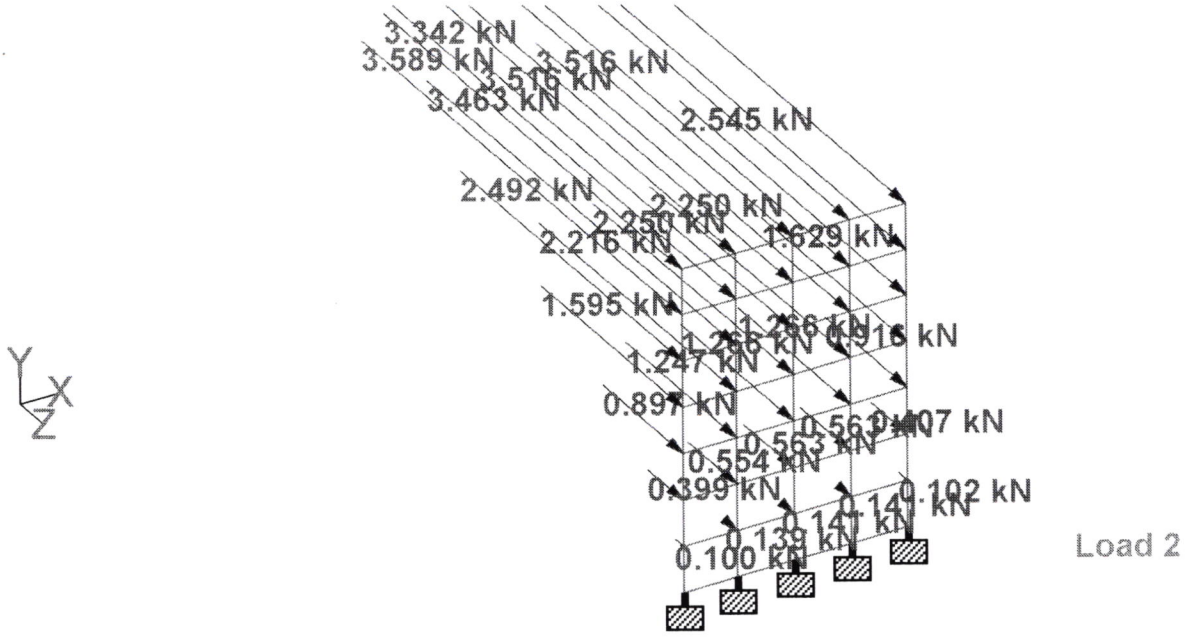
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*************************************************************
*   For technical assistance on STAAD.Pro, please visit     *
*   http://www.bentley.com/en/support/                      *
*                                                           *
*   Details about additional assistance from                *
*   Bentley and Partners can be found at program menu       *
*   Help->Technical Support                                 *
*                                                           *
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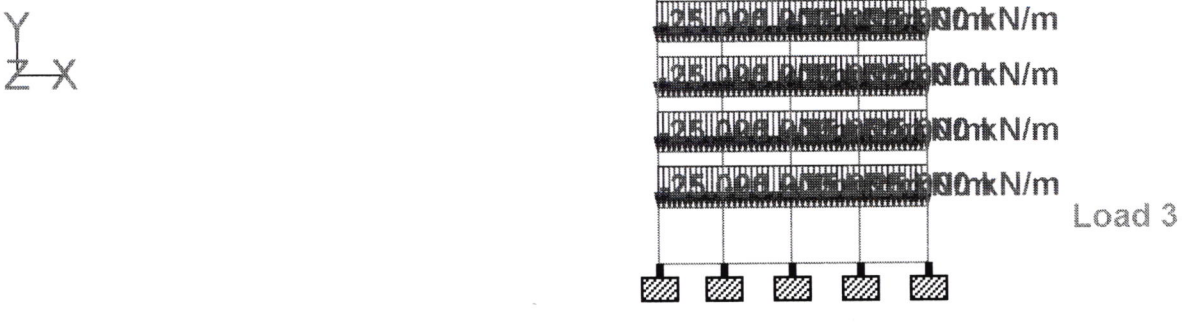
Bentley	Job No	Sheet No 1	Rev
Software licensed to Universal Consultants CONNECTED User: SURESH J	Part		
Job Title The Proposed Construction Of A Residential & Commercial Non High Rise	Ref		
	By Suresh	Date 8/29/2024	Chd Suresh
Client	File AVARAMPALAYAM.std	Date/Time	29-Aug-2024 14:40



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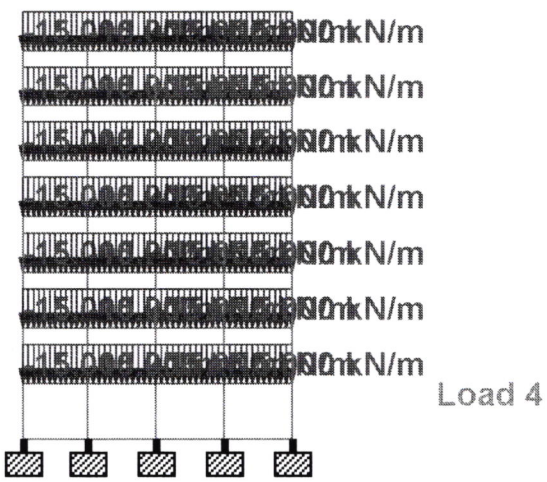


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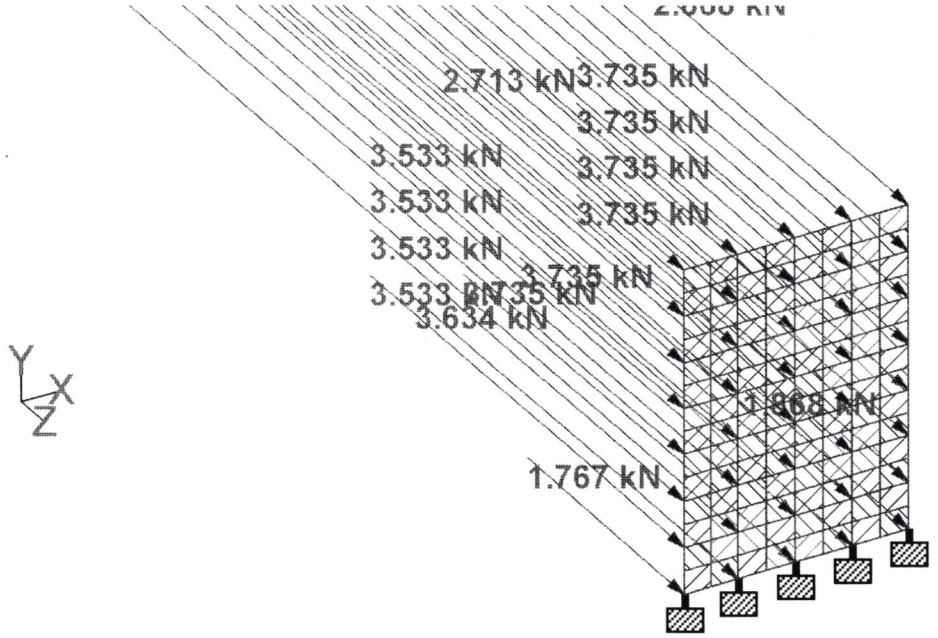


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Load 7

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