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*****************************************************
*                                                   *
*           STAAD.Pro CONNECT Edition               *
*           Version  22.12.00.142                   *
*           Proprietary Program of                  *
*           Bentley Systems, Inc.                   *
*           Date=    JUL  2, 2025                   *
*           Time=    18:10: 4                       *
*                                                   *
*  Licensed to: Universal Consultants               *
*****************************************************
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```
     1. STAAD SPACE
INPUT FILE: C:\Users\suresh\Desktop\STADD\UC-SILVERSKY BALAJI NAGAR\SILVERSKY BALAJI NAGAR.STD
     2. START JOB INFORMATION
     3. JOB NAME THE PROPOSED CONSTRUCTION OF A STILT FLOOR PARKING / GROUND FLOOR PART
     4. *KIDS PLAY AREA + 5 FLOORS RESIDENTIAL BUILDING, 18.30M - HEIGHT WITH 314
     5. *DWELLING UNITS AVAILING PREMIUM FSI (1ST FLOOR - 61 DWELLING UNITS, SWIMMING
     6. *POOL, KIDS PLAY AREA, INDOOR GAMES, VIDEO GAMES, ASSOCIATION ROOM, AND CRECHE
     7. *+ 2ND FLOOR - 61 DWELLING UNITS, HOME THEATRE, GYM, BUISNESS CENTER, YOGA,
     8. *STUDY ROOM AND ASSOCIATION ROOM + 3RD TO 5TH FLOOR - EACH FLOOR 64 DWELLING
     9. *UNITS ) AT PUZHAL VILLAGE COMPRISED IN S.NOS.31, 32, 33 AND 34 OF PUZHAL
    10. *VILLAGE WITHIN THE LIMITS OF GREATER CHENNAI CORPORATION.
    11. ENGINEER NAME SURESH
    12. CHECKER NAME SURESH
    13. APPROVED NAME SURESH
    14. ENGINEER DATE 7/2/2025
    15. CHECKER DATE 7/2/2025
    16. APPROVED DATE 7/2/2025
    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
    27. MEMBER INCIDENCES
    28. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 43 26 28; 44 27 29; 45 28 29; 55 1 36
    29. 56 26 37; 57 28 38; 61 36 37; 62 37 38; 66 36 42; 67 37 43; 68 38 44; 72 42 43
    30. 73 43 44; 96 28 57; 97 29 58; 98 57 58; 99 57 59; 100 38 59; 101 59 60
    31. 102 44 60; 107 57 63; 108 58 64; 109 63 64; 110 63 65; 111 59 65; 112 65 66
    32. 113 60 66; 114 42 67; 115 43 68; 116 44 69; 117 67 68; 118 68 69; 119 60 70
    33. 120 69 70; 121 66 71; 122 70 71; 123 67 72; 124 68 73; 125 69 74; 126 72 73
    34. 127 73 74; 128 70 75; 129 74 75; 130 71 76; 131 75 76; 132 72 77; 133 73 78
    35. 134 74 79; 135 77 78; 136 78 79; 137 75 80; 138 79 80; 139 76 81; 140 80 81
    36. DEFINE MATERIAL START
    37. ISOTROPIC CONCRETE
    38. E 2.17185E+07
```

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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. 39 42 45 55 TO 57 66 TO 68 98 99 101 109 110 112 114 TO 116 119 121 -
46. 123 TO 125 128 130 132 TO 134 137 139 PRIS YD 0.8 ZD 0.3
47. 40 41 43 44 61 62 72 73 96 97 100 102 107 108 111 113 117 118 120 122 126 -
48. 127 129 131 135 136 138 140 PRIS YD 0.6 ZD 0.2
49. CONSTANTS
50. MATERIAL CONCRETE ALL
51. SUPPORTS
52. 25 27 29 58 64 FIXED
53. DEFINE 1893 LOAD
54. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
55. MEMBER WEIGHT
56. 39 TO 45 55 TO 57 61 62 66 TO 68 72 73 96 TO 102 107 TO 140 UNI -14.5
57. 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.

58. TYPE 1
59. INT 0.673 1.03335 1.3537 1.65375 HEIG  10  30  50  100
60. EXP 1 JOINT 1 25 TO 29 36 TO 38 42 TO 44 57 TO 60 63 TO 81
61. LOAD 1 LOADTYPE NONE  TITLE SLX1
62. 1893 LOAD X 1
63. LOAD 2 LOADTYPE NONE  TITLE SLZ1
64. 1893 LOAD Z 1
65. LOAD 3 LOADTYPE DEAD  TITLE DL
66. SELFWEIGHT Y -1
67. MEMBER LOAD
68. 40 43 61 62 72 73 96 100 102 107 111 113 117 118 120 122 126 127 129 131 135 -
69. 136 138 140 UNI GY -25
70. LOAD 4 LOADTYPE LIVE  TITLE LL
71. MEMBER LOAD
72. 40 43 61 62 72 73 96 100 102 107 111 113 117 118 120 122 126 127 129 131 135 -
73. 136 138 140 UNI GY -15
74. LOAD 7 LOADTYPE WIND  TITLE WLZ1
75. WIND LOAD Z 1 TYPE 1
76. LOAD 8 LOADTYPE WIND  TITLE WLZ2
77. WIND LOAD Z -1 TYPE 1
```

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

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

NUMBER OF JOINTS	35	NUMBER OF MEMBERS	58
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 = 180
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

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*************************************************************
* UNITS - KN    METE                                        *
* TIME PERIOD FOR X 1893 LOADING =    0.65541 SEC           *
* SA/G PER 1893=    1.038, LOAD FACTOR= 1.000               *
* VB PER 1893=    0.0277 X     2786.90=      77.11 KN       *
*                                                           *
*************************************************************


*************************************************************
* UNITS - KN    METE                                        *
* TIME PERIOD FOR Z 1893 LOADING =    0.65541 SEC           *
* SA/G PER 1893=    1.038, LOAD FACTOR= 1.000               *
* VB PER 1893=    0.0277 X     2786.90=      77.11 KN       *
*                                                           *
*************************************************************


105. FINISH

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

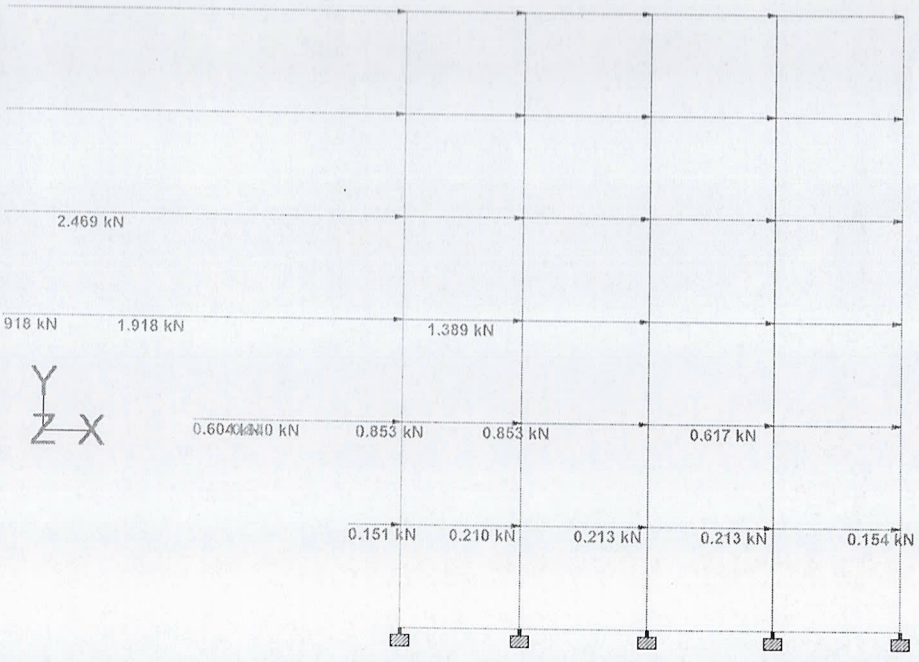
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STAAD SPACE -- PAGE NO. 5

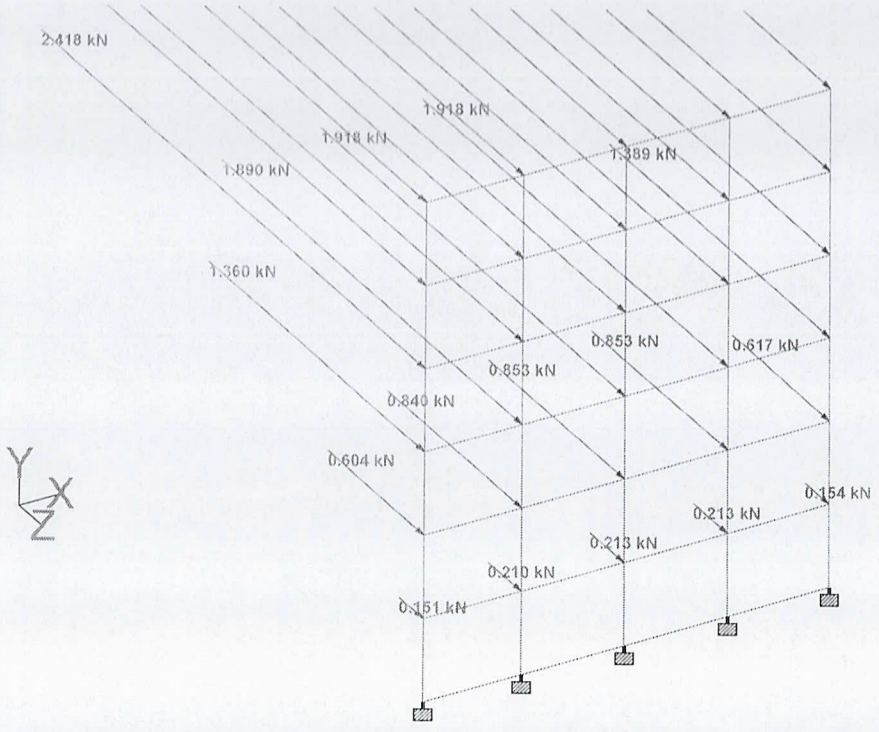
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*************************************************************
*   For technical assistance on STAAD.Pro, please visit     *
*   http://www.bentley.com/en/support/                      *
*                                                           *
*   Details about additional assistance from                *
*   Bentley and Partners can be found at program menu       *
*   Help->Technical Support                                 *
*                                                           *
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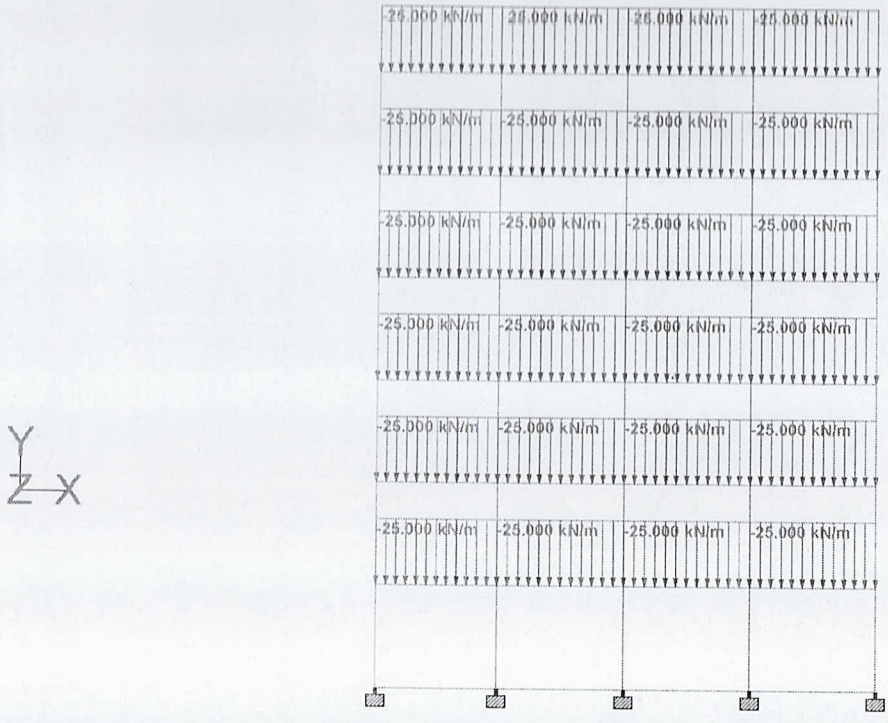
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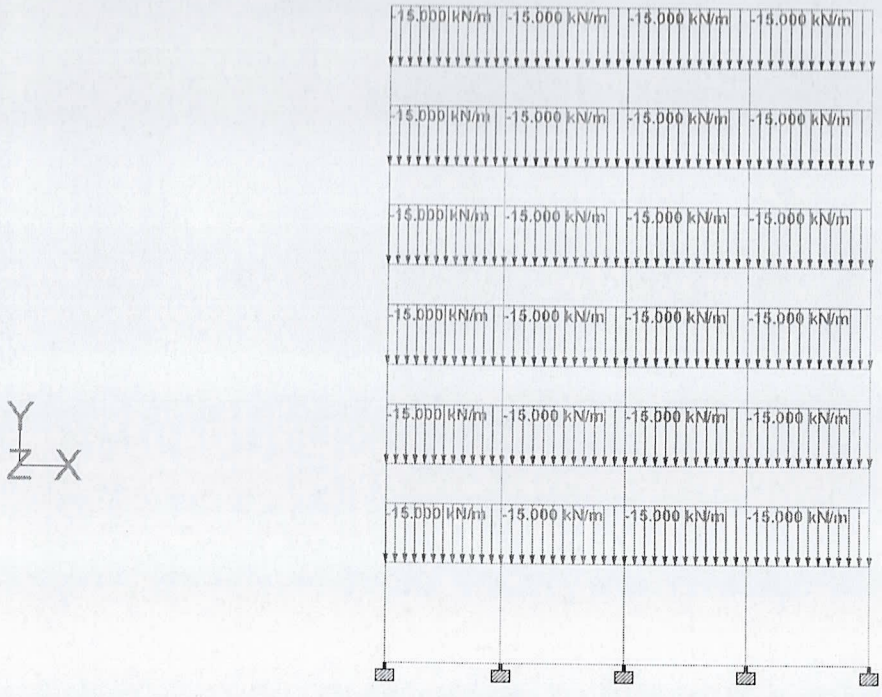
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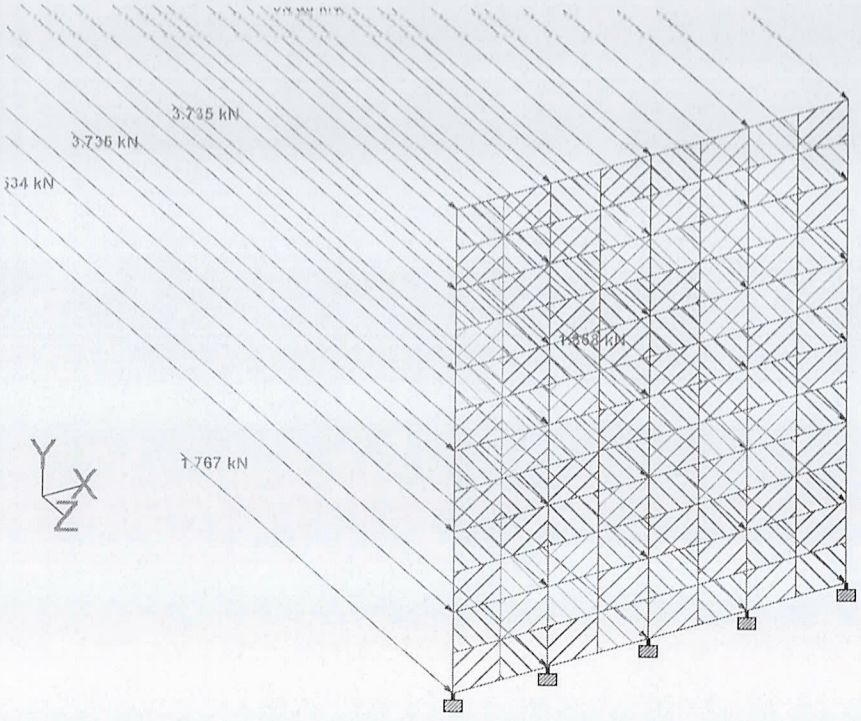
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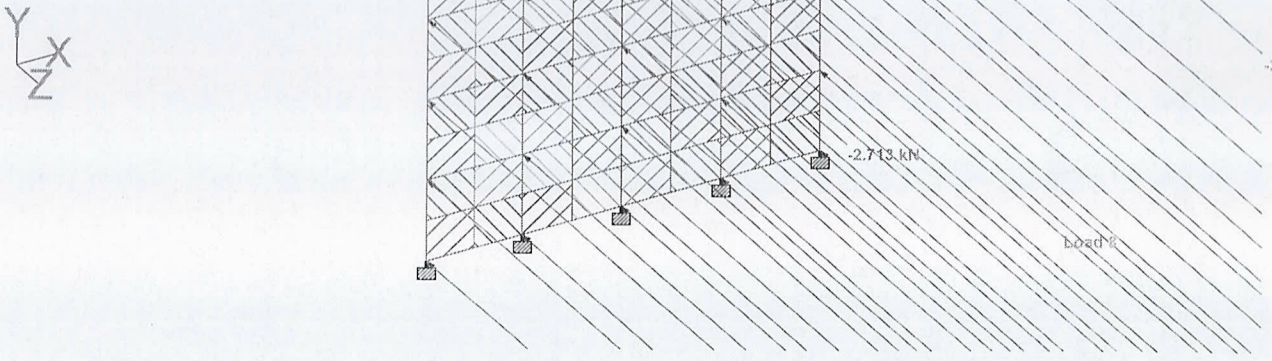
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Load 7

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