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Chennai, India

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Official Property Record

Digitally Verified Record - Powered by Verified RealEstate™



```
**************************************************
*                                                *
*          STAAD.Pro CONNECT Edition             *
*          Version  22.12.00.142                 *
*          Proprietary Program of                *
*          Bentley Systems, Inc.                 *
*          Date=    DEC 26, 2023                 *
*          Time=    12:51:49                     *
*                                                *
*  Licensed to: C.Kannan                         *
**************************************************
```

```
    1. STAAD SPACE
INPUT FILE: D:\LOGESH\STABILITY CERTIFICATE\ATH\ATH - DEFENSE COLONY - .. .STD
    2. START JOB INFORMATION
    3. ENGINEER DATE 25-AUG-23
    4. ENGINEER NAME KANNAN
    5. CHECKER NAME KANNAN
    6. APPROVED NAME KANNAN
    7. CHECKER DATE 8/25/2023
    8. JOB NAME PROPOSED RESIDENTIAL BUILDING FLATS FOR M/S. ASSET TREE HOME AT -
    9. PLOT NO: 146, SURVEY NO: 168/3 DEFENCE COLONY, 12TH CROSS SREET, -
   10. EKKATUTHANGAL, GUINDY INDUSTRIAL ESTATE, GUINDY, CHENNAI-600032.
   11. APPROVED DATE 8/25/2023
   12. END JOB INFORMATION
   13. INPUT WIDTH 79
   14. UNIT INCHES KN
   15. JOINT COORDINATES
   16. 1 0 0 0; 2 133 0 7.276E-12; 3 367.633 0 7.276E-12; 4 520.633 0 7.276E-12
   17. 5 0 118.11 0; 6 133 118.11 7.276E-12; 7 367.633 118.11 7.276E-12
   18. 8 520.633 118.11 7.276E-12; 9 0 236.22 0; 10 133 236.22 7.276E-12
   19. 11 367.633 236.22 7.276E-12; 12 520.633 236.22 7.276E-12; 13 0 354.331 0
   20. 14 133 354.331 7.276E-12; 15 367.633 354.331 7.276E-12
   21. 16 520.633 354.331 7.276E-12; 17 0 472.441 0; 18 133 472.441 7.276E-12
   22. 19 367.633 472.441 7.276E-12; 20 520.633 472.441 7.276E-12; 21 0 590.551 0
   23. 22 133 590.551 7.276E-12; 23 367.633 590.551 7.276E-12
   24. 24 520.633 590.551 7.276E-12; 25 0 -78.7402 0; 26 133 -78.7402 7.276E-12
   25. 27 367.633 -78.7402 7.276E-12; 28 520.633 -78.7402 7.276E-12
   26. MEMBER INCIDENCES
   27. 1 1 2; 2 2 3; 3 3 4; 4 1 5; 5 2 6; 6 3 7; 7 4 8; 8 5 6; 9 6 7; 10 7 8; 11 5 9
   28. 12 6 10; 13 7 11; 14 8 12; 15 9 10; 16 10 11; 17 11 12; 18 9 13; 19 10 14
   29. 20 11 15; 21 12 16; 22 13 14; 23 14 15; 24 15 16; 25 13 17; 26 14 18; 27 15 19
   30. 28 16 20; 29 17 18; 30 18 19; 31 19 20; 32 17 21; 33 18 22; 34 19 23; 35 20 24
   31. 36 21 22; 37 22 23; 38 23 24; 39 1 25; 40 2 26; 41 3 27; 42 4 28
   32. UNIT METER KN
   33. DEFINE MATERIAL START
   34. ISOTROPIC CONCRETE
   35. E 2.17185E+07
   36. POISSON 0.17
   37. DENSITY 23.5616
   38. ALPHA 1E-05
```

C. KANNAN, B.E., M.E., (Structure)
Structural Engineer,
CMDA Reg. No: SE/GR-I/19/02/002.
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

```
39. DAMP 0.05
40. G 9.28139E+06
41. TYPE CONCRETE
42. STRENGTH FCU 27579
43. END DEFINE MATERIAL
44. MEMBER PROPERTY
45. 1 TO 3 8 TO 10 15 TO 17 22 TO 24 29 TO 31 36 TO 38 PRIS YD 0.45 ZD 0.23
46. 4 TO 7 11 TO 14 18 TO 21 25 TO 28 32 TO 35 39 TO 42 PRIS YD 0.45 ZD 0.23
47. CONSTANTS
48. MATERIAL CONCRETE ALL
49. UNIT INCHES KN
50. SUPPORTS
51. 25 TO 28 FIXED
52. UNIT METER KN
53. DEFINE IS1893 2016 LOAD
54. ZONE 0.16 RF 5 I 1.2 SS 1 ST 1 DM 0.05 DT 2
55. SELFWEIGHT 1
56. MEMBER WEIGHT
57. 1 TO 3 8 TO 10 15 TO 17 22 TO 24 29 TO 31 36 TO 38 UNI 12 0 0
58. 1 TO 3 8 TO 10 15 TO 17 22 TO 24 29 TO 31 36 TO 38 UNI 35 0 0
59. 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.

60. TYPE 1 WIND 1
61. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
62. CUSTOM:PARAMS
63. !> END GENERATED DATA BLOCK
64. INT 1.35 1.54 165 HEIG  10  15  18
65. EXP 1 JOINT 1 TO 28
66. LOAD 1 LOADTYPE SEISMIC-H  TITLE EQ +X
67. 1893 LOAD X 1
68. LOAD 2 LOADTYPE SEISMIC-H  TITLE EQ -X
69. 1893 LOAD X -1.
70. LOAD 3 LOADTYPE SEISMIC-H  TITLE EQ +Z
71. 1893 LOAD Z 1
72. LOAD 4 LOADTYPE SEISMIC-H  TITLE EQ -Z
73. 1893 LOAD Z -1.
74. LOAD 5 LOADTYPE WIND  TITLE WIND +X
75. WIND LOAD X 1 TYPE 1
```

STAAD SPACE -- PAGE NO. 3

```
*WARNING- NO MEMBERS LOADED FOR A WIND LOAD GENERATION.
  76. LOAD 6 LOADTYPE WIND  TITLE WIND -X
  77. WIND LOAD -X 1 TYPE 1
*WARNING- NO MEMBERS LOADED FOR A WIND LOAD GENERATION.
  78. LOAD 7 LOADTYPE WIND  TITLE WIND +Z
  79. WIND LOAD Z 1 TYPE 1
  80. LOAD 8 LOADTYPE WIND  TITLE WIND -Z
  81. WIND LOAD -Z 1 TYPE 1
  82. LOAD 9 LOADTYPE LIVE  TITLE LIVE LOAD
  83. MEMBER LOAD
  84. 1 TO 3 8 TO 10 15 TO 17 22 TO 24 29 TO 31 36 TO 38 UNI GY -12
  85. LOAD 10 LOADTYPE DEAD  TITLE DEAD LOAD
  86. SELFWEIGHT Y -1
  87. MEMBER LOAD
  88. 1 TO 3 8 TO 10 15 TO 17 22 TO 24 29 TO 31 36 TO 38 UNI GY -35
  89. LOAD COMB 11 1.5(DL+IL)
  90. 9 1.5 10 1.5
  91. LOAD COMB 12 1.2(DL+IL+ELX)
  92. 9 1.5 10 1.2 1 1.2
  93. LOAD COMB 13 1.2(DL+IL-ELX)
  94. 9 1.2 10 1.2 2 1.2
  95. LOAD COMB 14 1.2(DL+IL+ELZ)
  96. 9 1.2 10 1.2 3 1.2
  97. LOAD COMB 15 1.2(DL+IL-ELZ)
  98. 9 1.2 10 1.2 4 1.2
  99. LOAD COMB 16 1.2(DL+IL+WLX)
 100. 9 1.2 10 1.2 5 1.2
 101. LOAD COMB 17 1.2(DL+IL-WLX)
 102. 10 1.2 6 1.2
 103. LOAD COMB 18 1.2(DL+IL+WLZ)
 104. 9 1.2 10 1.2 7 1.2
 105. LOAD COMB 19 1.2(DL+IL-WLZ)
 106. 9 1.2 10 1.2 8 1.2
 107. LOAD COMB 20 1.5(DL+ELX)
 108. 9 1.5 10 1.5 1 1.5
 109. LOAD COMB 21 1.5(DL-ELX)
 110. 9 1.5 10 1.5 2 1.5
 111. LOAD COMB 22 1.5(DL+ELZ)
 112. 9 1.5 10 1.5 3 1.5
 113. LOAD COMB 23 1.5(DL-ELZ)
 114. 10 1.5 4 1.5
 115. LOAD COMB 24 1.5(DL+WLX)
 116. 10 1.5 5 1.5
 117. LOAD COMB 25 1.5(DL-WLX)
```

```
118. 10 1.5 6 1.5
119. LOAD COMB 26 1.5(DL+WLZ)
120. 10 1.5 7 1.5
121. LOAD COMB 27 1.5(DL-WLZ)
122. 10 1.5 8 1.5
123. LOAD COMB 28 0.9 DL+ELX
124. 10 0.9 1 1.5
125. LOAD COMB 29 0.9 DL-ELX
126. 10 0.9 2 1.5
127. LOAD COMB 30 0.9 DL+ELZ
128. 10 0.9 3 1.5
129. LOAD COMB 31 0.9 DL-ELZ
130. 10 0.9 4 1.5
131. LOAD COMB 32 0.9 DL+WLX
132. 10 0.9 5 1.5
133. LOAD COMB 33 0.9 DL-WLX
134. 10 0.9 6 1.5
135. LOAD COMB 34 0.9 DL+WLZ
136. 10 0.9 7 1.5
137. LOAD COMB 35 0.9 DL-WLZ
138. 10 0.9 8 1.5
139. PERFORM ANALYSIS PRINT ALL


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

  NUMBER OF JOINTS         28  NUMBER OF MEMBERS      42
  NUMBER OF PLATES          0  NUMBER OF SOLIDS        0
  NUMBER OF SURFACES        0  NUMBER OF SUPPORTS      4

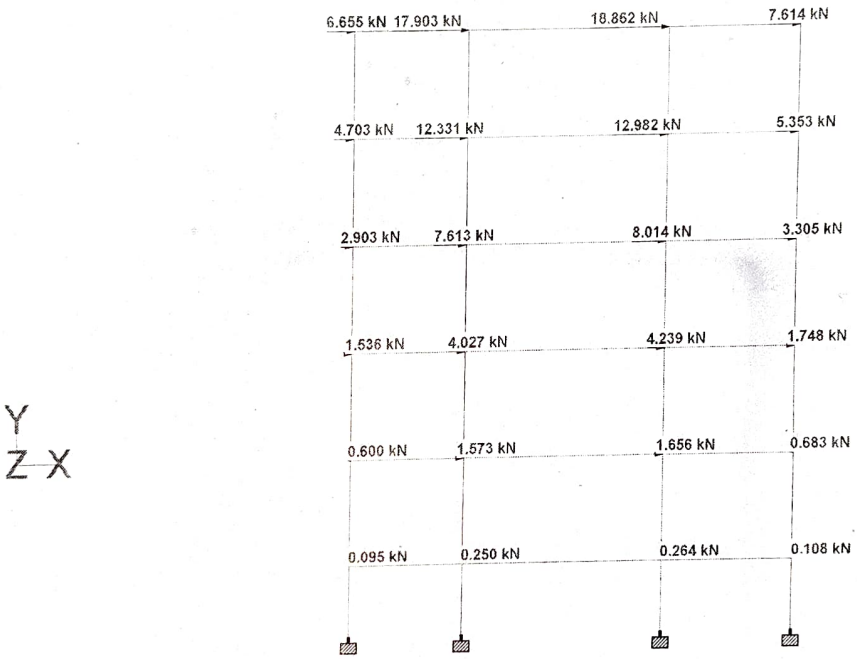
        Using 64-bit analysis engine.

        SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

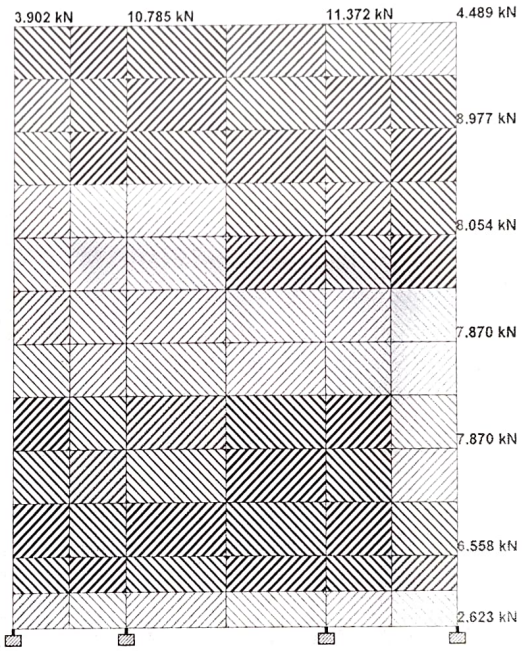
TOTAL      PRIMARY LOAD CASES =    10, TOTAL DEGREES OF FREEDOM =     144
TOTAL LOAD COMBINATION  CASES =    25  SO FAR.
```

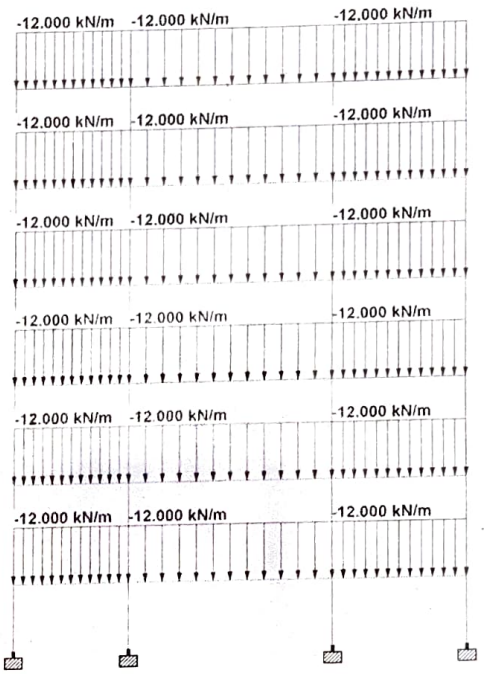


C. KANNAN, B.E., M.E., (Structure)
Structural Engineer,
CMDA Reg. No: SE/GR-I/19/02/002.
Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.

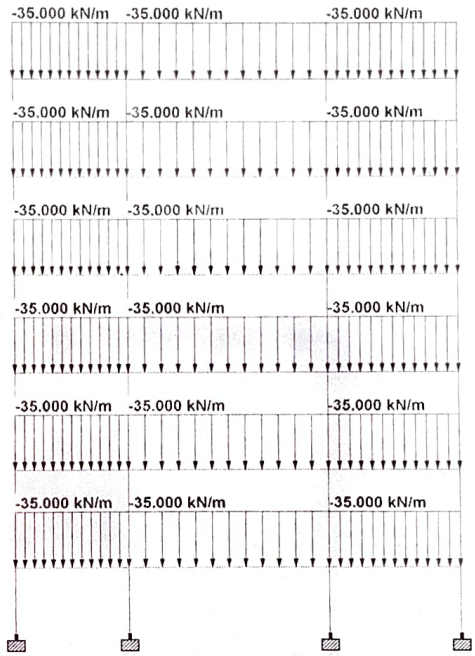


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Door No: 21, 4th Main Road,
Indira Nagar, Chennai-600 020.


3.902 kN
10.785 kN
11.372 kN
4.489 kN
8.977 kN
8.054 kN
7.870 kN
7.870 kN
6.558 kN
2.623 kN
Y
Z
X
Load 7



Load 9



Load 10

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Property Documentation & Workflow Tools

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Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

We're honored to be part of your real estate journey

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