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3/350/2 Mettukuppam,
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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 27, 2023                 *
*          Time=    14:46:26                     *
*                                                *
*  Licensed to: C.Kannan                         *
**************************************************
```

```
    1. STAAD SPACE
INPUT FILE: C:\Users\LS-DCI5-1018-02\Desktop\AGAN\JKB\STAAD Stability\Jkb.STD
    2. START JOB INFORMATION
    3. ENGINEER DATE 27-DEC-23
    4. JOB NAME PROPOSED RESIDENTIAL BUILDING AT DOOR NO. 71, 71/2 AT GANAPATHY -
    5. STREET, WEST MAMBALAM, CHENNAI- 600033
    6. ENGINEER NAME KANNAN
    7. CHECKER NAME KANNAN
    8. APPROVED NAME KANNAN
    9. CHECKER DATE 12/27/2023
   10. APPROVED DATE 12/27/2023
   11. END JOB INFORMATION
   12. INPUT WIDTH 79
   13. SET NL 250
   14. UNIT MMS KN
   15. JOINT COORDINATES
   16. 1 0 0 0; 2 5590 0 -0.0408888; 4 13760 0 -0.0406504; 7 20050 0 -0.0408888
   17. 8 0 3000 0; 9 5590 3000 -0.0408888; 11 13760 3000 -0.0406504
   18. 13 20050 3000 -0.0408888; 14 0 6000 0; 15 5590 6000 -0.0408888
   19. 17 13760 6000 -0.0406504; 19 20050 6000 -0.0408888; 20 0 9000 0
   20. 21 5590 9000 -0.0408888; 23 13760 9000 -0.0406504; 25 20050 9000 -0.0408888
   21. 26 0 12000 0; 27 5590 12000 -0.0408888; 29 13760 12000 -0.0406504
   22. 31 20050 12000 -0.0408888; 32 0 15000 0; 33 5590 15000 -0.0408888
   23. 35 13760 15000 -0.0406504; 37 20050 15000 -0.0408888; 38 0 18000 0
   24. 39 5590 18000 -0.0408888; 41 13760 18000 -0.0406504; 43 20050 18000 -0.0408888
   25. 44 0 -2000 0; 45 5590 -2000 -0.0408888; 46 13760 -2000 -0.0406504
   26. 47 20050 -2000 -0.0408888
   27. MEMBER INCIDENCES
   28. 1 1 2; 2 2 4; 3 4 7; 4 8 9; 5 9 11; 6 11 13; 7 14 15; 8 15 17; 9 17 19
   29. 10 20 21; 11 21 23; 12 23 25; 13 26 27; 14 27 29; 15 29 31; 16 32 33; 17 33 35
   30. 18 35 37; 19 38 39; 20 39 41; 21 41 43; 22 44 1; 23 1 8; 24 8 14; 25 14 20
   31. 26 20 26; 27 26 32; 28 32 38; 29 45 2; 30 2 9; 31 9 15; 32 15 21; 33 21 27
   32. 34 27 33; 35 33 39; 42 46 4; 43 4 11; 44 11 17; 45 17 23; 46 23 29; 47 29 35
   33. 48 35 41; 55 47 7; 56 7 13; 57 13 19; 58 19 25; 59 25 31; 60 31 37; 61 37 43
   34. UNIT METER KN
   35. DEFINE MATERIAL START
   36. ISOTROPIC CONCRETE
   37. E 2.17185E+07
   38. POISSON 0.17
```

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.

STAAD SPACE -- PAGE NO. 2

```
39. DENSITY 23.5616
40. ALPHA 1E-05
41. DAMP 0.05
42. G 9.28139E+06
43. TYPE CONCRETE
44. STRENGTH FCU 27579
45. END DEFINE MATERIAL
46. MEMBER PROPERTY
47. 22 TO 35 42 TO 48 55 TO 61 PRIS YD 0.45 ZD 0.23
48. 1 TO 21 PRIS YD 0.45 ZD 0.23
49. CONSTANTS
50. BETA 90 MEMB 22 TO 35 42 TO 48 55 TO 61
51. MATERIAL CONCRETE ALL
52. UNIT MMS KN
53. SUPPORTS
54. 44 TO 47 FIXED
55. UNIT METER KN
56. 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.

57. TYPE 1 WIND 1
58. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
59. CUSTOM:PARAMS
60. !> END GENERATED DATA BLOCK
61. INT 1.22 1.35 1.48 HEIG  10  15  18
62. EXP 1 JOINT 1 2 4 7 TO 9 11 13 TO 15 17 19 TO 21 23 25 TO 27 29 31 TO 33 35 -
63. 37 TO 39 41 43 TO 47
64. DEFINE IS1893 2016 LOAD
65. ZONE 0.16 RF 5 I 1.2 SS 1 ST 1 DM 0.05 DT 2
66. SELFWEIGHT 1
67. MEMBER WEIGHT
68. 1 TO 21 UNI 25 0 0
69. 1 TO 21 UNI 12 0 0
70. LOAD 1 LOADTYPE SEISMIC-H  TITLE EQX
71. 1893 LOAD X 1
72. LOAD 2 LOADTYPE SEISMIC-H  TITLE EQX
73. 1893 LOAD X -1.
74. LOAD 3 LOADTYPE SEISMIC-V  TITLE EQZ
75. 1893 LOAD Z 1
76. LOAD 4 LOADTYPE SEISMIC-V  TITLE EQZ
77. 1893 LOAD Z -1.
```

```
  78. LOAD 5 LOADTYPE WIND  TITLE WIND +X
  79. WIND LOAD X 1 TYPE 1
  80. LOAD 6 LOADTYPE WIND  TITLE WIND -X
  81. WIND LOAD -X 1 TYPE 1
*WARNING- NO MEMBERS LOADED FOR A WIND LOAD GENERATION.
  82. LOAD 7 LOADTYPE WIND  TITLE WIND +Z
  83. WIND LOAD Z 1 TYPE 1
  84. LOAD 8 LOADTYPE WIND  TITLE WIND -Z
  85. WIND LOAD -Z 1 TYPE 1
  86. LOAD 9 LOADTYPE LIVE  TITLE L.L
  87. MEMBER LOAD
  88. 1 TO 21 UNI GY -12
  89. LOAD 10 LOADTYPE DEAD  TITLE D.L
  90. MEMBER LOAD
  91. 1 TO 21 UNI GY -25
  92. SELFWEIGHT Y -1
  93. LOAD COMB 11 1.5(DL+IL)
  94. 9 1.5 10 1.5
  95. LOAD COMB 12 1.2(DL+IL+ELX)
  96. 9 1.5 10 1.2 1 1.2
  97. LOAD COMB 13 1.2(DL+IL-ELX)
  98. 9 1.2 10 1.2 2 1.2
  99. LOAD COMB 14 1.2(DL+IL+ELZ)
 100. 9 1.2 10 1.2 3 1.2
 101. LOAD COMB 15 1.2(DL+IL-ELZ)
 102. 9 1.2 10 1.2 4 1.2
 103. LOAD COMB 16 1.2(DL+IL+WLX)
 104. 9 1.2 10 1.2 5 1.2
 105. LOAD COMB 17 1.2(DL+IL-WLX)
 106. 10 1.2 6 1.2
 107. LOAD COMB 18 1.2(DL+IL+WLZ)
 108. 9 1.2 10 1.2 7 1.2
 109. LOAD COMB 19 1.2(DL+IL-WLZ)
 110. 9 1.2 10 1.2 8 1.2
 111. LOAD COMB 20 1.5(DL+ELX)
 112. 9 1.5 10 1.5 1 1.5
 113. LOAD COMB 21 1.5(DL-ELX)
 114. 9 1.5 10 1.5 2 1.5
 115. LOAD COMB 22 1.5(DL+ELZ)
 116. 9 1.5 10 1.5 3 1.5
 117. LOAD COMB 23 1.5(DL-ELZ)
 118. 10 1.5 4 1.5
 119. LOAD COMB 24 1.5(DL+WLX)
 120. 10 1.5 5 1.5
```

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

```
121. LOAD COMB 25 1.5(DL-WLX)
122. 10 1.5 6 1.5
123. LOAD COMB 26 1.5(DL+WLZ)
124. 10 1.5 7 1.5
125. LOAD COMB 27 1.5(DL-WLZ)
126. 10 1.5 8 1.5
127. LOAD COMB 28 0.9 DL+ELX
128. 10 0.9 1 1.5
129. LOAD COMB 29 0.9 DL-ELX
130. 10 0.9 2 1.5
131. LOAD COMB 30 0.9 DL+ELZ
132. 10 0.9 3 1.5
133. LOAD COMB 31 0.9 DL-ELZ
134. 10 0.9 4 1.5
135. LOAD COMB 32 0.9 DL+WLX
136. 10 0.9 5 1.5
137. LOAD COMB 33 0.9 DL-WLX
138. 10 0.9 6 1.5
139. LOAD COMB 34 0.9 DL+WLZ
140. 10 0.9 7 1.5
141. LOAD COMB 35 0.9 DL-WLZ
142. 10 0.9 8 1.5
143. PERFORM ANALYSIS PRINT ALL


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

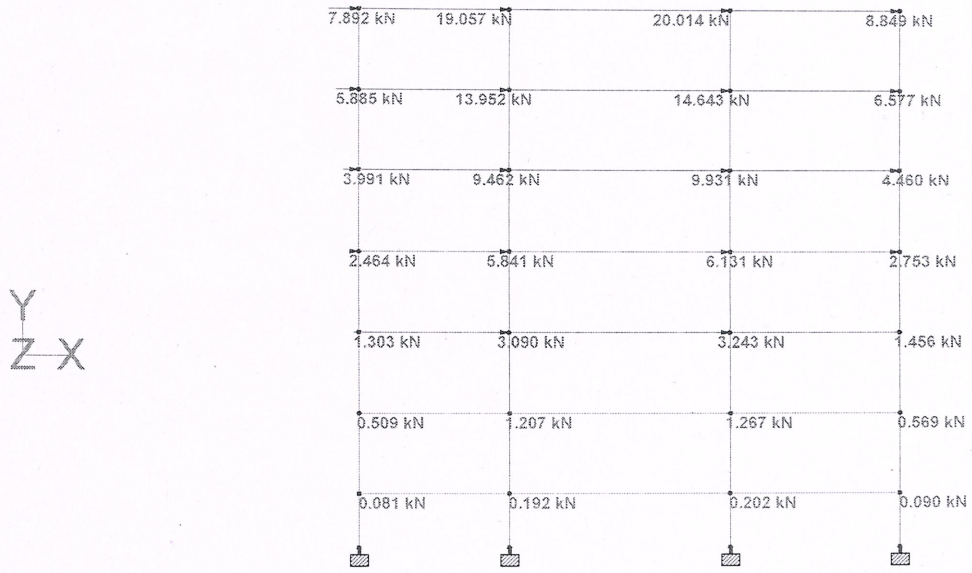
  NUMBER OF JOINTS         32  NUMBER OF MEMBERS      49
  NUMBER OF PLATES          0  NUMBER OF SOLIDS        0
  NUMBER OF SURFACES        0  NUMBER OF SUPPORTS      4

        Using 64-bit analysis engine.

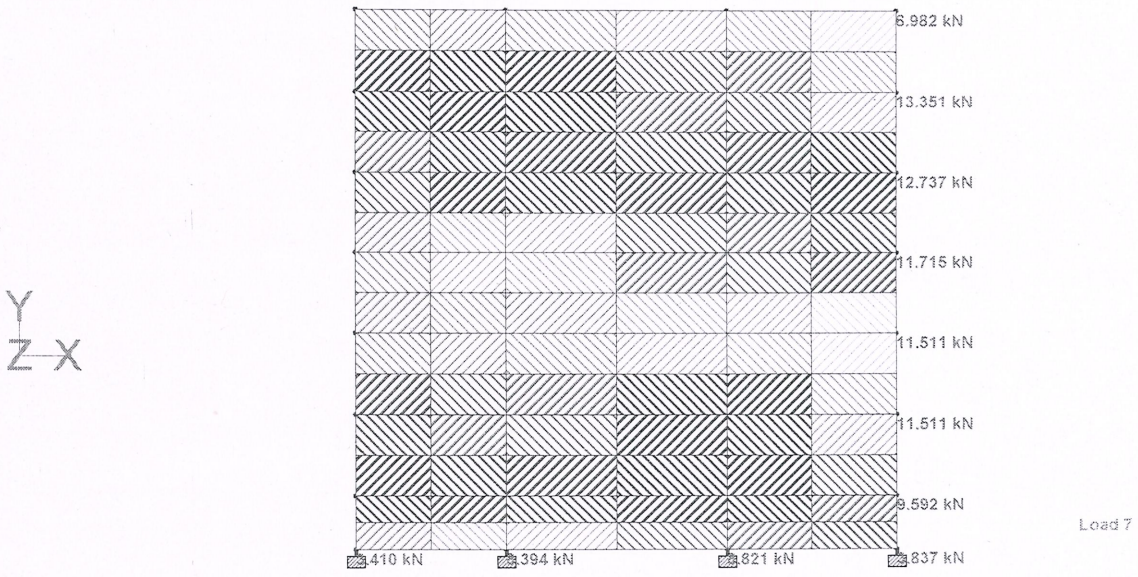
        SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

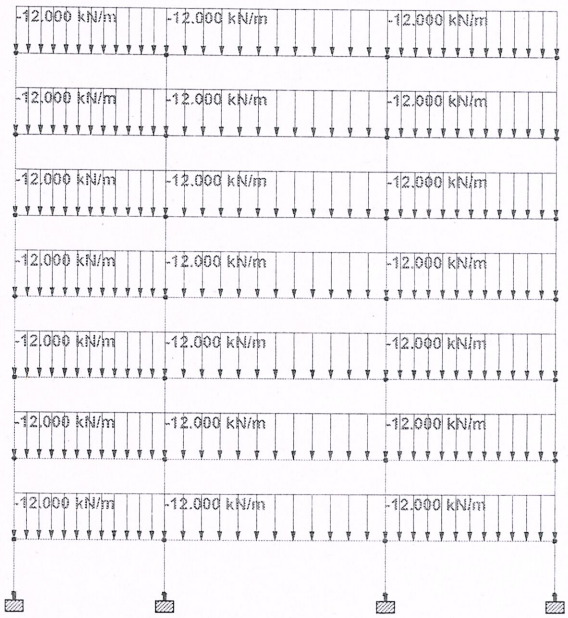
TOTAL      PRIMARY LOAD CASES =    10, TOTAL DEGREES OF FREEDOM =     168
TOTAL LOAD COMBINATION  CASES =    25  SO FAR.
```

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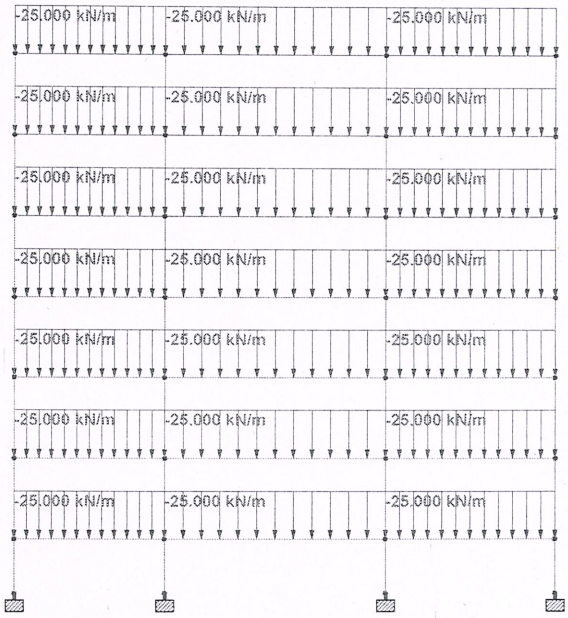


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6.982 kN
13.351 kN
12.737 kN
11.715 kN
11.511 kN
11.511 kN
9.592 kN
410 kN
394 kN
821 kN
837 kN
Y
Z X
Load 7



Load 9



C. KANNAN, B.E., M.E., (Structure)
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CMDA Reg. No: SE/GR-I/19/02/002.
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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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