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*****************************************************
*                                                   *
*          STAAD.Pro CONNECT Edition                *
*          Version  22.10.00.153                    *
*          Proprietary Program of                   *
*          Bentley Systems, Inc.                    *
*          Date=     NOV  8, 2023                   *
*          Time=     17: 9:13                       *
*                                                   *
*  Licensed to: Universal Consultants               *
*****************************************************
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```
     1. STAAD SPACE
INPUT FILE: C:\Users\suresh\Desktop\UC-VNR HOMES\STAAD\VNR HOMES.STD
     2. START JOB INFORMATION
     3. JOB NAME THE PROPOSED CONSTRUCTION OF GROUND + FIRST FLOOR  WITH 18.30M HEIGHT
     4. *RESIDENTIAL BUILDING AT NO:28/11&32/3PART, THAZHAMBUR VILLAGE, CHENGALPET
     5. *TALUK, KANCHEEPURAM DISTRICT.
     6. ENGINEER NAME SURESH
     7. CHECKER NAME SURESH
     8. APPROVED NAME SURESH
     9. ENGINEER DATE 11/8/2023
    10. CHECKER DATE 11/8/2023
    11. APPROVED DATE 11/8/2023
    12. END JOB INFORMATION
    13. INPUT WIDTH 79
    14. UNIT METER KN
    15. JOINT COORDINATES
    16. 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
    17. 36 -5 2 0; 37 -1.5 2 0; 38 2.2 2 0; 57 5.9 -1 0; 58 5.9 -4 0; 59 5.9 2 0
    18. 63 9.6 -1 0; 64 9.6 -4 0; 65 9.6 2 0
    19. MEMBER INCIDENCES
    20. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 43 26 28; 44 27 29; 45 28 29; 55 1 36
    21. 56 26 37; 57 28 38; 61 36 37; 62 37 38; 96 28 57; 97 29 58; 98 57 58; 99 57 59
    22. 100 38 59; 107 57 63; 108 58 64; 109 63 64; 110 63 65; 111 59 65
    23. DEFINE MATERIAL START
    24. ISOTROPIC CONCRETE
    25. E 2.17185E+07
    26. POISSON 0.17
    27. DENSITY 23.5616
    28. ALPHA 1E-05
    29. DAMP 0.05
    30. END DEFINE MATERIAL
    31. MEMBER PROPERTY INDIAN
    32. 39 42 45 55 TO 57 98 99 109 110 PRIS YD 0.8 ZD 0.3
    33. 40 41 43 44 61 62 96 97 100 107 108 111 PRIS YD 0.6 ZD 0.2
    34. CONSTANTS
    35. MATERIAL CONCRETE ALL
    36. SUPPORTS
    37. 25 27 29 58 64 FIXED
    38. DEFINE 1893 LOAD
```



Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/GR-I/19/02/003
Reg. No. RSE100382019
Reg. No. CGLRGN/SE/GR-1/2019/06/012

STAAD SPACE -- PAGE NO. 2

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39. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
40. MEMBER WEIGHT
41. 39 TO 45 55 TO 57 61 62 96 TO 100 107 TO 111 UNI -14.5
42. 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.

43. TYPE 1
44. INT 0.673 1.03335 1.3537 1.65375 HEIG  10  30  50  100
45. EXP 1 JOINT 1 25 TO 29 36 TO 38 57 TO 59 63 TO 65
46. LOAD 1 LOADTYPE NONE  TITLE SLX1
47. 1893 LOAD X 1
48. LOAD 2 LOADTYPE NONE  TITLE SLZ1
49. 1893 LOAD Z 1
50. LOAD 3 LOADTYPE DEAD  TITLE DL
51. SELFWEIGHT Y -1
52. MEMBER LOAD
53. 40 43 61 62 96 100 107 111 UNI GY -25
54. LOAD 4 LOADTYPE LIVE  TITLE LL
55. MEMBER LOAD
56. 40 43 61 62 96 100 107 111 UNI GY -15
57. LOAD 7 LOADTYPE WIND  TITLE WLZ1
58. WIND LOAD Z 1 TYPE 1
59. LOAD 8 LOADTYPE WIND  TITLE WLZ2
60. WIND LOAD Z -1 TYPE 1
61. LOAD COMB 9 1.5(DL+LL)
62. 3 1.5 4 1.5
63. LOAD COMB 10 1.2(DL+LL+SLX)
64. 3 1.2 4 1.2 1 1.2
65. LOAD COMB 11 1.2(DL+LL+SLZ)
66. 3 1.2 4 1.2 2 1.2
67. LOAD COMB 14 1.2(DL+LL+WLZ1)
68. 3 1.2 4 1.2 7 1.2
69. LOAD COMB 15 1.2(DL+LL+WLZ2)
70. 3 1.2 4 1.2 8 1.2
71. LOAD COMB 16 1.5(DL+SLX)
72. 3 1.5 1 1.5
73. LOAD COMB 17 1.5(DL+SLZ)
74. 3 1.5 2 1.5
75. LOAD COMB 20 1.5(DL+WLZ1)
76. 3 1.5 7 1.5
77. LOAD COMB 21 1.5(DL+WLZ2)
```

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STAAD SPACE -- PAGE NO. 3

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78. 3 1.5 8 1.5
79. LOAD COMB 22 0.9DL+1.5SLX
80. 3 0.9 1 1.5
81. LOAD COMB 23 0.9DL+1.5SLZ
82. 3 0.9 2 1.5
83. LOAD COMB 26 0.9DL+1.5WLZ1
84. 3 0.9 7 1.5
85. LOAD COMB 27 0.9DL+1.5WLZ2
86. 3 0.9 8 1.5
87. PERFORM ANALYSIS
```

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

NUMBER OF JOINTS	15	NUMBER OF MEMBERS	22
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 = 60
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.

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR X 1893 LOADING =    0.28752 SEC       *
* SA/G PER 1893=    1.250, LOAD FACTOR= 1.000           *
* VB PER 1893=    0.0333 X     1070.10=      35.67 KN   *
*                                                       *
*********************************************************
```

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR Z 1893 LOADING =    0.28752 SEC       *
* SA/G PER 1893=    1.250, LOAD FACTOR= 1.000           *
* VB PER 1893=    0.0333 X     1070.10=      35.67 KN   *
*                                                       *
*********************************************************
```

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88. FINISH

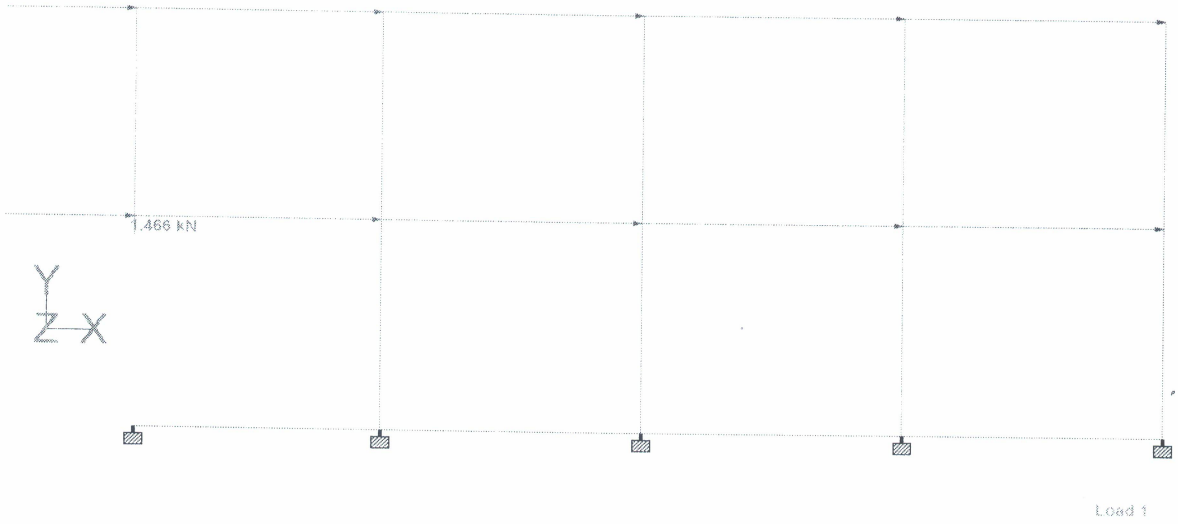
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**** DATE= NOV 8,2023 TIME= 17: 9:14 ****

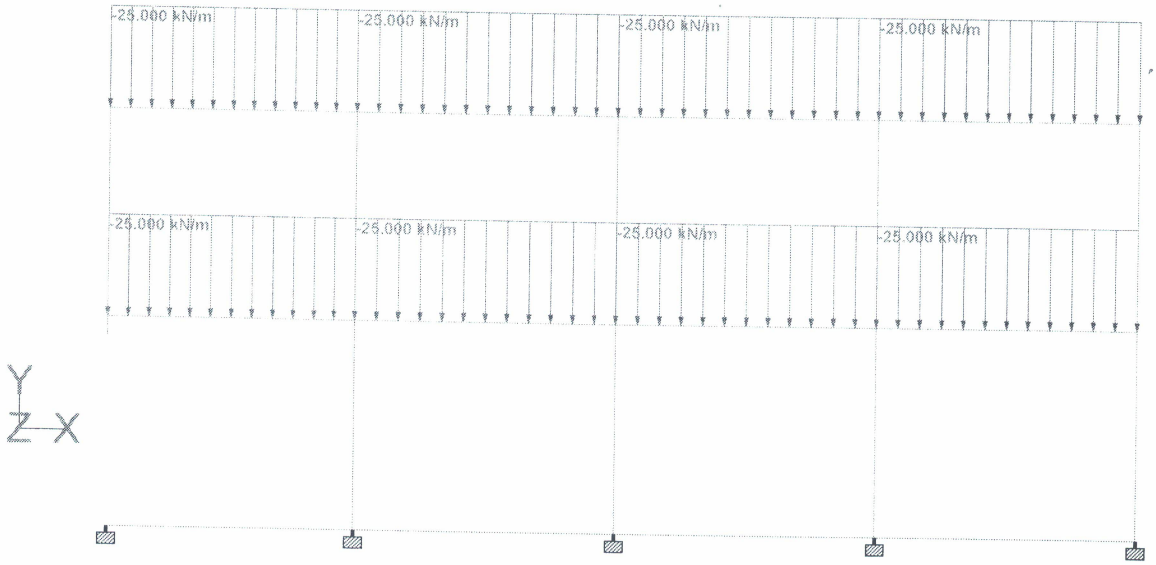
****
* For technical assistance on STAAD.Pro, please visit *
* http://www.bentley.com/en/support/ *
* *
* Details about additional assistance from *
* Bentley and Partners can be found at program menu *
* Help->Technical Support *
* *
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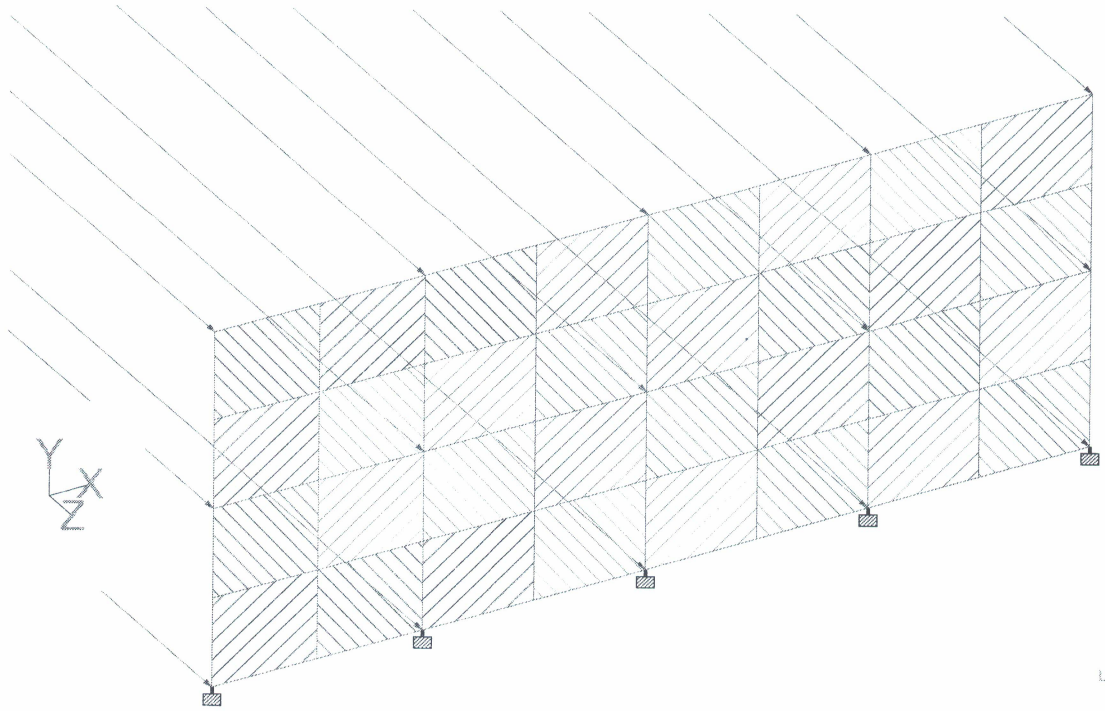


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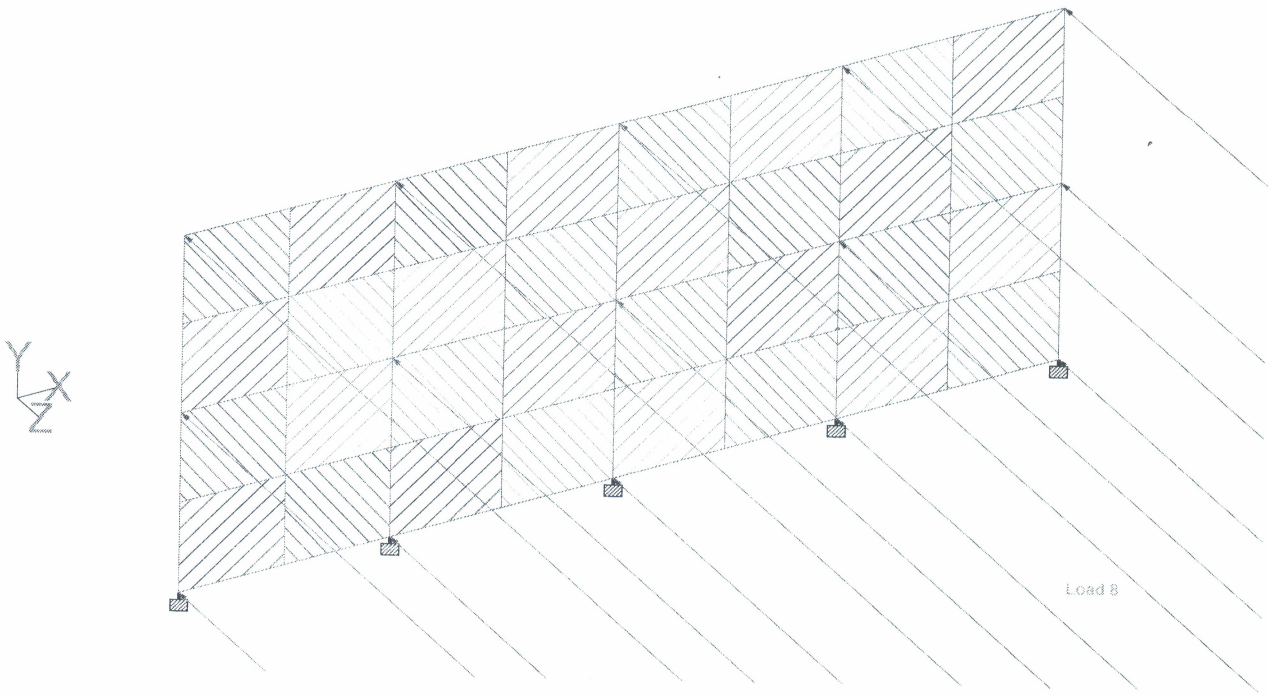
Load 3

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Load 7

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