

PAGE NO. 1

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*          STAAD.Pro CONNECT Edition
*          Version 22.12.00.142
*          Proprietary Program of
*          Bentley Systems, Inc.
*          Date= JUN 30, 2025
*          Time= 11:44: 2
*
* Licensed to: Universal Consultants
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1. STAAD SPACE
INPUT FILE: C:\Users\suresh\Desktop\STADD\UC-ADYAR CANAL BANK ROAD\ADYAR CANAL BANK ROAD.STD
2. START JOB INFORMATION
3. JOB NAME THE PROPOSED CONSTRUCTION OF STILTFLOOR + 3 FLOORS (HEIGHT - 12.00M)
4. *RESIDENTIALBUILDING WITH 15 DWELLING UNITS AT PLOT NO. A, B & C, DOOR NO. 7, 7
5. *& 21, CANAL BANK ROAD, KASTURIBAINAGAR, ADYAR, CHENNAI ? 600 020, COMPRISED IN
6. *OLD SURVEY NO.7/9 PART, T.S.NOS: 66/2, 66/3, 66/4 & 66/5, BLOCK.NO.9 OF
7. *PALLIPATTU VILLAGE WITHIN THE LIMITS O F G R E A T E R C H E N N A I
8. *C O R P O R A T I O N.
9. ENGINEER NAME SURESH
10. CHECKER NAME SURESH
11. APPROVED NAME SURESH
12. ENGINEER DATE 6/30/2025
13. CHECKER DATE 6/30/2025
14. APPROVED DATE 6/30/2025
15. END JOB INFORMATION
16. INPUT WIDTH 79
17. UNIT METER KN
18. JOINT COORDINATES
19. 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
20. 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
21. 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
22. 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
23. 71 9.6 8 0
24. MEMBER INCIDENCES
25. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 43 26 28; 44 27 29; 45 28 29; 55 1 36
26. 56 26 37; 57 28 38; 61 36 37; 62 37 38; 66 36 42; 67 37 43; 68 38 44; 72 42 43
27. 73 43 44; 96 28 57; 97 29 58; 98 57 58; 99 57 59; 100 38 59; 101 59 60
28. 102 44 60; 107 57 63; 108 58 64; 109 63 64; 110 63 65; 111 59 65; 112 65 66
29. 113 60 66; 114 42 67; 115 43 68; 116 44 69; 117 67 68; 118 68 69; 119 60 70
30. 120 69 70; 121 66 71; 122 70 71
31. DEFINE MATERIAL START
32. ISOTROPIC CONCRETE
33. E 2.17185E+07
34. POISSON 0.17
35. DENSITY 23.5616
36. ALPHA 1E-05
37. DAMP 0.05
38. END DEFINE MATERIAL

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 Reg. No. RSE100382019
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STAAD SPACE

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39. MEMBER PROPERTY INDIAN
 40. 39 42 45 55 TO 57 66 TO 68 98 99 101 109 110 112 114 TO 116 119 -
 41. 121 PRIS YD 0.8 ZD 0.3
 42. 40 41 43 44 61 62 72 73 96 97 100 102 107 108 111 113 117 118 120 -
 43. 122 PRIS YD 0.6 ZD 0.2
 44. CONSTANTS
 45. MATERIAL CONCRETE ALL
 46. SUPPORTS
 47. 25 27 29 58 64 FIXED
 48. DEFINE 1893 LOAD
 49. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
 50. MEMBER WEIGHT
 51. 39 TO 45 55 TO 57 61 62 66 TO 68 72 73 96 TO 102 107 TO 122 UNI -14.5
 52. 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.

53. TYPE 1
 54. INT 0.673 1.03335 1.3537 1.65375 HEIG 10 30 50 100
 55. EXP 1 JOINT 1 25 TO 29 36 TO 38 42 TO 44 57 TO 60 63 TO 71
 56. LOAD 1 LOADTYPE NONE TITLE SLX1
 57. 1893 LOAD X 1
 58. LOAD 2 LOADTYPE NONE TITLE SLZ1
 59. 1893 LOAD Z 1
 60. LOAD 3 LOADTYPE DEAD TITLE DL
 61. SELFWEIGHT Y -1
 62. MEMBER LOAD
 63. 40 43 61 62 72 73 96 100 102 107 111 113 117 118 120 122 UNI GY -25
 64. LOAD 4 LOADTYPE LIVE TITLE LL
 65. MEMBER LOAD
 66. 40 43 61 62 72 73 96 100 102 107 111 113 117 118 120 122 UNI GY -15
 67. LOAD 7 LOADTYPE WIND TITLE WLZ1
 68. WIND LOAD Z 1 TYPE 1
 69. LOAD 8 LOADTYPE WIND TITLE WLZ2
 70. WIND LOAD Z -1 TYPE 1
 71. LOAD COMB 9 1.5(DL+LL)
 72. 3 1.5 4 1.5
 73. LOAD COMB 10 1.2(DL+LL+SLX)
 74. 3 1.2 4 1.2 1 1.2
 75. LOAD COMB 11 1.2(DL+LL+SLZ)
 76. 3 1.2 4 1.2 2 1.2
 77. LOAD COMB 14 1.2(DL+LL+WLZ1)



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

```

PROBLEM STATISTICS

NUMBER OF JOINTS	25	NUMBER OF MEMBERS	40
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 = 120
 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 = 0.48356 SEC *
* SA/G PER 1893= 1.250, LOAD FACTOR= 1.000 *
* VB PER 1893= 0.0333 X 1928.50= 64.28 KN *
* *
*****

```



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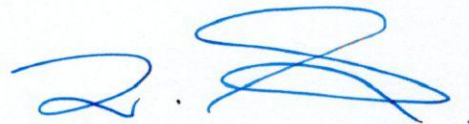
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*****
* UNITS - KN    METE
* TIME PERIOD FOR Z 1893 LOADING = 0.48356 SEC
* SA/G PER 1893= 1.250, LOAD FACTOR= 1.000
* VB PER 1893= 0.0333 X 1928.50= 64.28 KN
*
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98. FINISH

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

*** DATE= JUN 30,2025 TIME= 11:44: 3 ***

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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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(HEIGHT - 12.00M)

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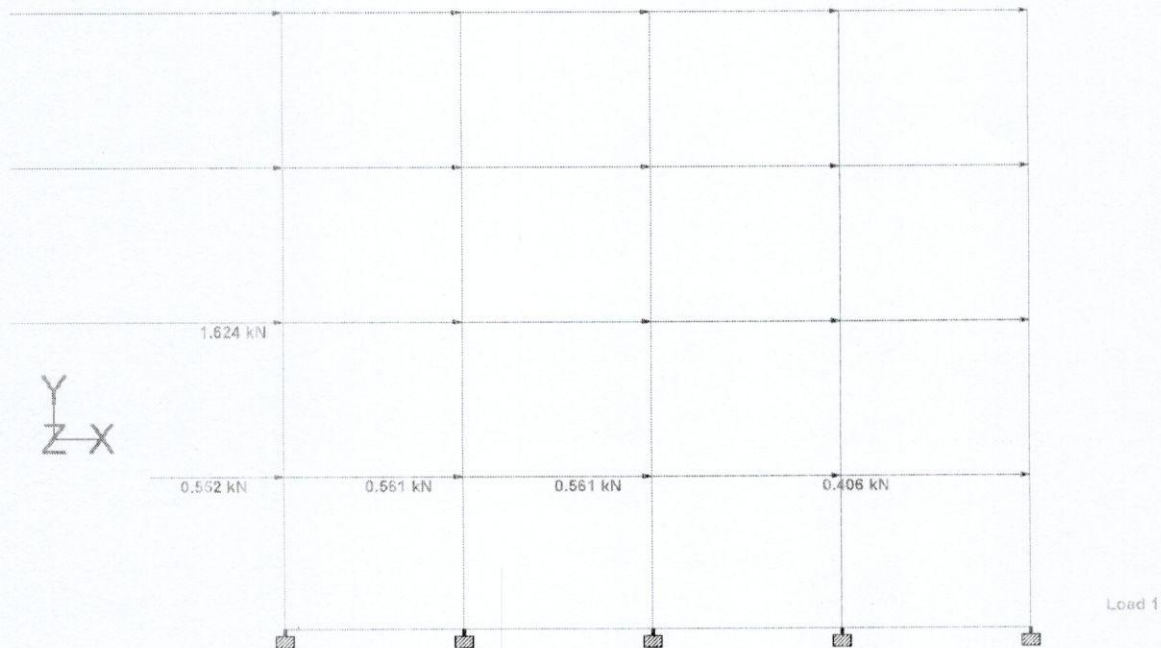
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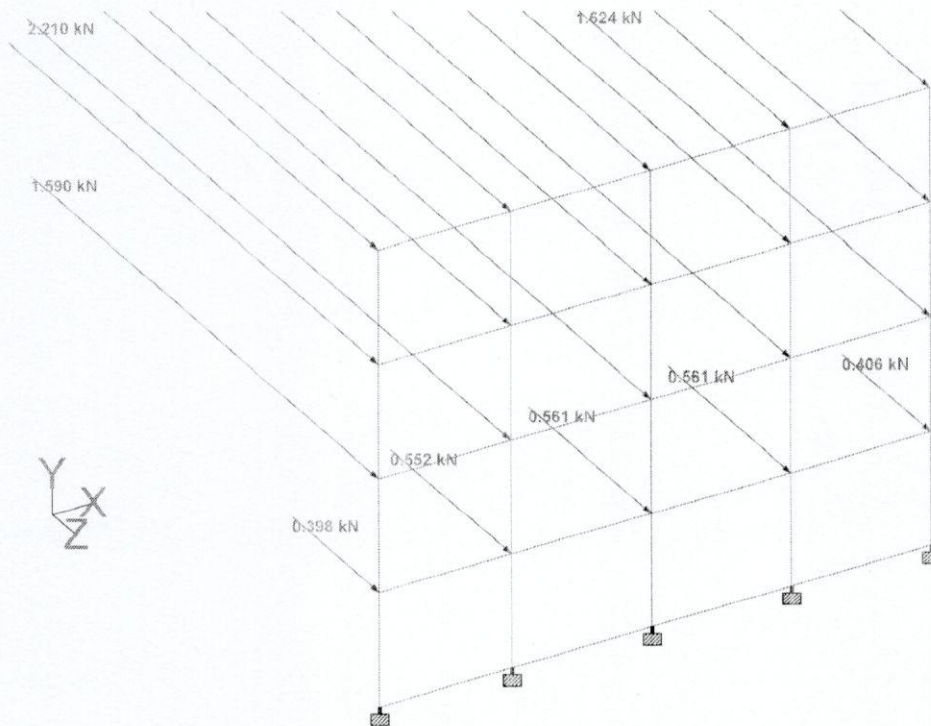
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Y
Z-X



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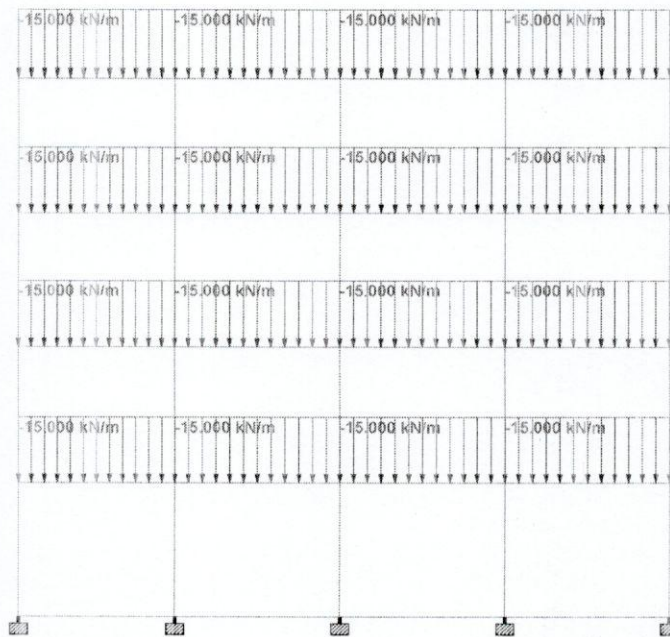
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Y
Z-X



Load 4

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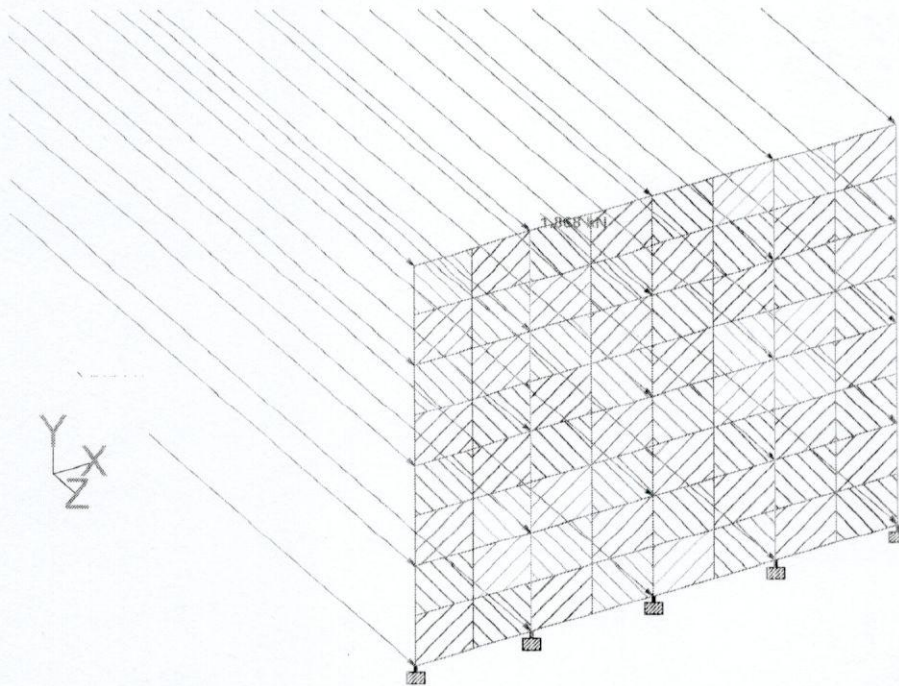
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