PAGE NO.

1. STAAD SPACE

INPUT FILE: D:\SEM 7\CE402 Design Project\Building 1\Building 1.STD

- 2. START JOB INFORMATION
- 3. ENGINEER DATE 16-AUG-21
- 4. END JOB INFORMATION
- 5. INPUT WIDTH 79
- 6. UNIT METER KN
- 7. JOINT COORDINATES
- 8. 1 0 0 0; 2 3.96241 0 0; 3 7.62002 0 0; 4 10.973 0 0; 5 0 0 -4.57201
- 9. 6 3.96201 0 -4.57201; 7 7.62002 0 -4.57201; 8 10.973 0 -4.57201
- 10. 9 7.62002 0 -3.04801; 10 10.973 0 -3.04801; 11 0 0 -6.70561
- 11. 12 3.96201 0 -6.70561; 13 7.62002 0 -6.70561; 14 10.973 0 -6.70561
- 12. 15 0 0 -10.3632; 16 3.96201 0 -10.3632; 17 7.62002 0 -10.3632
- 13. 18 10.973 0 -10.3632; 19 0 3.00001 0; 20 3.96241 3.00001 0
- 14. 21 7.62002 3.00001 0; 22 10.973 3.00001 0; 23 0 3.00001 -4.57201
- 15. 24 3.96201 3.00001 -4.57201; 25 7.62002 3.00001 -4.57201
- 16. 26 10.973 3.00001 -4.57201; 27 7.62002 3.00001 -3.04801
- 17. 28 10.973 3.00001 -3.04801; 29 0 3.00001 -6.70561; 30 3.96201 3.00001 -6.70561
- 18. 31 7.62002 3.00001 -6.70561; 32 10.973 3.00001 -6.70561; 33 0 3.00001 -10.3632
- 19. 34 3.96201 3.00001 -10.3632; 35 7.62002 3.00001 -10.3632
- 20. 36 10.973 3.00001 -10.3632; 37 0 6.00001 0; 38 3.96241 6.00001 0
- 21. 39 7.62002 6.00001 0; 40 10.973 6.00001 0; 41 0 6.00001 -4.57201
- 22. 42 3.96201 6.00001 -4.57201; 43 7.62002 6.00001 -4.57201
- 23. 44 10.973 6.00001 -4.57201; 45 7.62002 6.00001 -3.04801
- 24. 46 10.973 6.00001 -3.04801; 47 0 6.00001 -6.70561; 48 3.96201 6.00001 -6.70561
- 25. 49 7.62002 6.00001 -6.70561; 50 10.973 6.00001 -6.70561; 51 0 6.00001 -10.3632
- 26. 52 3.96201 6.00001 -10.3632; 53 7.62002 6.00001 -10.3632
- 27. 54 10.973 6.00001 -10.3632; 55 0 9.00002 0; 56 3.96241 9.00002 0
- 28. 57 7.62002 9.00002 0; 58 10.973 9.00002 0; 59 0 9.00002 -4.57201
- 29. 60 3.96201 9.00002 -4.57201; 61 7.62002 9.00002 -4.57201
- 30. 62 10.973 9.00002 -4.57201; 63 7.62002 9.00002 -3.04801
- 31. 64 10.973 9.00002 -3.04801; 65 0 9.00002 -6.70561; 66 3.96201 9.00002 -6.70561
- 32. 67 7.62002 9.00002 -6.70561; 68 10.973 9.00002 -6.70561; 69 0 9.00002 -10.3632
- 33. 70 3.96201 9.00002 -10.3632; 71 7.62002 9.00002 -10.3632
- 34. 72 10.973 9.00002 -10.3632; 73 0 -2 0; 74 3.96241 -2 0; 75 7.62002 -2 0
- 35. 76 10.973 -2 0; 77 0 -2 -4.57201; 78 3.96201 -2 -4.57201
- 36. 79 7.62002 -2 -4.57201; 80 10.973 -2 -4.57201; 81 7.62002 -2 -3.04801
- 37. 82 10.973 -2 -3.04801; 83 0 -2 -6.70561; 84 3.96201 -2 -6.70561
- 38. 85 7.62002 -2 -6.70561; 86 10.973 -2 -6.70561; 87 0 -2 -10.3632

- 95. CONSTANTS
- 96. MATERIAL CONCRETE ALL
- 97. SUPPORTS
- 98. 73 TO 90 FIXED
- 99. MEMBER OFFSET
- 100. 1 TO 27 60 TO 86 105 TO 131 150 TO 176 199 TO 202 START 0 -0.15 0
- 101. 1 TO 27 60 TO 86 105 TO 131 150 TO 176 199 TO 202 END 0 -0.15 0
- 102. 132 TO 149 195 TO 198 END 0 0.05 0
- 103. CUT OFF MODE SHAPE 10
- 104. LOAD 1 LOADTYPE DEAD TITLE DL
- **WARNING- ELEMENTS 34 ± 39 ARE BETWEEN THE SAME JOINTS.
- **WARNING- ELEMENTS 35 _ 40 ARE BETWEEN THE SAME JOINTS.
- **WARNING- ELEMENTS 31 ± 41 ARE BETWEEN THE SAME JOINTS.
- **WARNING- ELEMENTS 38 _ 28 ARE BETWEEN THE SAME JOINTS.
- 105. SELFWEIGHT Y -1 LIST ALL
- 106. MEMBER LOAD
- 107. 1 TO 5 9 13 TO 17 20 27 60 62 TO 64 68 72 TO 76 79 86 105 107 TO 109 113 117 -
- 108. 118 TO 121 124 131 158 UNI GY -13.208
- 109. 6 8 10 12 18 19 21 TO 26 65 67 69 71 77 78 80 TO 85 110 112 114 116 122 123 -
- 110. 125 TO 130 155 159 171 UNI GY -6.604
- 111. LOAD 2 LOADTYPE LIVE TITLE LL
- 112. FLOOR LOAD
- 113. YRANGE -1 11 FLOAD -3 GY

NOTE about Floor/OneWay Loads/Weights.

Please note that depending on the shape of the floor you may

have to break up the FLOOR/ONEWAY LOAD into multiple commands.

For details please refer to Technical Reference Manual Section 5.32.4.2 Note d and/or "5.32.4.3 Note f.

114. PERFORM ANALYSIS

PROBLEM STATISTICS

NUMBER OF JOINTS94NUMBER OF MEMBERS188NUMBER OF PLATES45NUMBER OF SOLIDS0NUMBER OF SURFACES0NUMBER OF SUPPORTS18

SOLVER USED IS THE OUT-OF-CORE BASIC SOLVER

ORIGINAL/FINAL BAND-WIDTH= 72/ 26/ 138 DOF

TOTAL PRIMARY LOAD CASES = 2, TOTAL DEGREES OF FREEDOM = 456

TOTAL LOAD COMBINATION CASES = 0 SO FAR.

SIZE OF STIFFNESS MATRIX = 63 DOUBLE KILO-WORDS

REQRD/AVAIL. DISK SPACE = 13.2/ 94907.3 MB

- 115. PERFORM ANALYSIS
- **WARNING- CONSECUTIVE ANALYSIS COMMANDS. ONLY FIRST USED.
- 116. PERFORM ANALYSIS
- **WARNING- CONSECUTIVE ANALYSIS COMMANDS. ONLY FIRST USED.
- 117. PERFORM ANALYSIS
- **WARNING- CONSECUTIVE ANALYSIS COMMANDS. ONLY FIRST USED.
- 118. FINISH

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

**** DATE= AUG 23,2021 TIME= 16:14:45 ****

* http://selectservices.bentley.com/en-US/

Details about additional assistance from

Bentley and Partners can be found at program menu Help->Technical Support

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