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*                                                *
*           STAAD.Pro CONNECT Edition            *
*           Version  22.10.00.153                *
*           Proprietary Program of               *
*           Bentley Systems, Inc.                *
*           Date=    SEP 24, 2024                *
*           Time=    17:33:58                    *
*                                                *
*  Licensed to: Universal Consultants            *
**************************************************
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```
    1. STAAD SPACE
INPUT FILE: C:\Users\suresh\Desktop\PUDUPAKKAM\PUDUPAKKAM.STD
    2. START JOB INFORMATION
    3. JOB NAME THE PROPOSED CONSTRUCTION OF  RESIDENTIAL HIGH RISE BUILDING DEVELOP
    4. *MENT CONSISTS OF BASEMENT+GROUND FLOOR+11 UPPER FLOORS WITH 331 D/U &CLUBHOUSE
    5. *GROUND FLOOR (PARTLY)+ FIRST FLOOR (PARTLY) WITH SWIMMING POOL ON THE GROUND
    6. *LEVEL AT PLOT-B (DTCP APPROVED LAYOUT /SUBDIVISION NO. 264/2023 DATED
    7. *27.12.2023) COMPRISED IN SY.NOS.29/2A1, 29/3A1, 261/1B2 OF PUDUPAKKAM VILLAGE
    8. *PANCHAYAT, THIRUPORUR PANCHAYAT UNION, VANDALUR TALUK, CHENGALPET DISTRICT.
    9. ENGINEER NAME SURESH
   10. CHECKER NAME SURESH
   11. APPROVED NAME SURESH
   12. ENGINEER DATE 9/24/2024
   13. CHECKER DATE 9/24/2024
   14. APPROVED DATE 9/24/2024
   15. END JOB INFORMATION
   16. INPUT WIDTH 79
   17. UNIT METER KN
   18. JOINT COORDINATES
   19. 1 -6.5 0 0; 25 -6.5 -4 0; 26 -0.9 0 0; 27 -0.9 -4 0; 66 -12 0 0; 67 -12 -4 0
   20. 69 -17.6 0 0; 70 -17.6 -4 0; 71 -6.5 2.95 0; 72 -0.9 2.95 0; 73 -12 2.95 0
   21. 74 -17.6 2.95 0; 75 -6.5 5.9 0; 76 -0.9 5.9 0; 77 -12 5.9 0; 78 -17.6 5.9 0
   22. 79 -6.5 8.85 0; 80 -0.9 8.85 0; 81 -12 8.85 0; 82 -17.6 8.85 0; 83 -6.5 11.8 0
   23. 84 -0.9 11.8 0; 85 -12 11.8 0; 86 -17.6 11.8 0; 87 -6.5 14.75 0
   24. 88 -0.9 14.75 0; 89 -12 14.75 0; 90 -17.6 14.75 0; 91 -6.5 17.7 0
   25. 92 -0.9 17.7 0; 93 -12 17.7 0; 94 -17.6 17.7 0; 95 -6.5 20.65 0
   26. 96 -0.9 20.65 0; 97 -12 20.65 0; 98 -17.6 20.65 0; 99 -6.5 23.6 0
   27. 100 -0.9 23.6 0; 101 -12 23.6 0; 102 -17.6 23.6 0; 103 -6.5 26.55 0
   28. 104 -0.9 26.55 0; 105 -12 26.55 0; 106 -17.6 26.55 0; 107 -6.5 29.5 0
   29. 108 -0.9 29.5 0; 109 -12 29.5 0; 110 -17.6 29.5 0; 111 -6.5 32.45 0
   30. 112 -0.9 32.45 0; 113 -12 32.45 0; 114 -17.6 32.45 0; 115 -6.5 35.4 0
   31. 116 -0.9 35.4 0; 117 -12 35.4 0; 118 -17.6 35.4 0
   32. MEMBER INCIDENCES
   33. 39 1 25; 40 1 26; 41 25 27; 42 26 27; 111 66 67; 112 66 1; 113 67 25
   34. 116 69 70; 117 69 66; 118 70 67; 119 71 1; 120 71 72; 121 72 26; 122 73 66
   35. 123 73 71; 124 74 69; 125 74 73; 126 75 71; 127 75 76; 128 76 72; 129 77 73
   36. 130 77 75; 131 78 74; 132 78 77; 133 79 75; 134 79 80; 135 80 76; 136 81 77
   37. 137 81 79; 138 82 78; 139 82 81; 140 83 79; 141 83 84; 142 84 80; 143 85 81
   38. 144 85 83; 145 86 82; 146 86 85; 147 87 83; 148 87 88; 149 88 84; 150 89 85
```

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/I/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/...

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39. 151 89 87; 152 90 86; 153 90 89; 154 91 87; 155 91 92; 156 92 88; 157 93 89
40. 158 93 91; 159 94 90; 160 94 93; 161 95 91; 162 95 96; 163 96 92; 164 97 93
41. 165 97 95; 166 98 94; 167 98 97; 168 99 95; 169 99 100; 170 100 96; 171 101 97
42. 172 101 99; 173 102 98; 174 102 101; 175 103 99; 176 103 104; 177 104 100
43. 178 105 101; 179 105 103; 180 106 102; 181 106 105; 182 107 103; 183 107 108
44. 184 108 104; 185 109 105; 186 109 107; 187 110 106; 188 110 109; 189 111 107
45. 190 111 112; 191 112 108; 192 113 109; 193 113 111; 194 114 110; 195 114 113
46. 196 115 111; 197 115 116; 198 116 112; 199 117 113; 200 117 115; 201 118 114
47. 202 118 117
48. DEFINE MATERIAL START
49. ISOTROPIC CONCRETE
50. E 2.17185E+07
51. POISSON 0.17
52. DENSITY 23.5616
53. ALPHA 1E-05
54. DAMP 0.05
55. END DEFINE MATERIAL
56. MEMBER PROPERTY INDIAN
57. 40 41 112 113 117 118 120 123 125 127 130 132 134 137 139 141 144 146 148 -
58. 151 153 155 158 160 162 165 167 169 172 174 176 179 181 183 186 188 190 193 -
59. 195 197 200 202 PRIS YD 0.5 ZD 0.2
60. MEMBER PROPERTY INDIAN
61. 39 42 111 116 119 121 122 124 126 128 129 131 133 135 136 138 140 142 143 -
62. 145 147 149 150 152 154 156 157 159 161 163 164 166 168 170 171 173 175 177 -
63. 178 180 182 184 185 187 189 191 192 194 196 198 199 201 PRIS YD 0.8 ZD 0.2
64. CONSTANTS
65. MATERIAL CONCRETE ALL
66. SUPPORTS
67. 25 27 67 70 FIXED
68. DEFINE 1893 LOAD
69. ZONE 0.16 RF 3 I 1 SS 2 ST 1 DM 0.5
70. MEMBER WEIGHT
71. 39 TO 42 111 TO 113 116 TO 202 UNI -14.5
72. 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.

73. TYPE 1
74. INT 0.673 1.03335 1.3537 1.65375 HEIG  10  30  50  100
75. EXP 1 JOINT 1 25 TO 27 66 67 69 TO 118
76. LOAD 1 LOADTYPE NONE  TITLE SLX1
77. 1893 LOAD X 1
78. LOAD 2 LOADTYPE NONE  TITLE SLZ1
79. 1893 LOAD Z 1
80. LOAD 3 LOADTYPE DEAD  TITLE DL
81. SELFWEIGHT Y -1
82. MEMBER LOAD
83. 40 112 117 120 123 125 127 130 132 134 137 139 141 144 146 148 151 153 155 -
```

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STAAD SPACE -- PAGE NO. 3

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 84. 158 160 162 165 167 169 172 174 176 179 181 183 186 188 190 193 195 197 200 -
 85. 202 UNI GY -25
 86. LOAD 4 LOADTYPE LIVE  TITLE LL
 87. MEMBER LOAD
 88. 40 112 117 120 123 125 127 130 132 134 137 139 141 144 146 148 151 153 155 -
 89. 158 160 162 165 167 169 172 174 176 179 181 183 186 188 190 193 195 197 200 -
 90. 202 UNI GY -15
 91. LOAD 7 LOADTYPE WIND  TITLE WLZ1
 92. WIND LOAD Z 1 TYPE 1
 93. LOAD 8 LOADTYPE WIND  TITLE WLZ2
 94. WIND LOAD Z -1 TYPE 1
 95. LOAD COMB 9 1.5(DL+LL)
 96. 3 1.5 4 1.5
 97. LOAD COMB 10 1.2(DL+LL+SLX)
 98. 3 1.2 4 1.2 1 1.2
 99. LOAD COMB 11 1.2(DL+LL+SLZ)
100. 3 1.2 4 1.2 2 1.2
101. LOAD COMB 14 1.2(DL+LL+WLZ1)
102. 3 1.2 4 1.2 7 1.2
103. LOAD COMB 15 1.2(DL+LL+WLZ2)
104. 3 1.2 4 1.2 8 1.2
105. LOAD COMB 16 1.5(DL+SLX)
106. 3 1.5 1 1.5
107. LOAD COMB 17 1.5(DL+SLZ)
108. 3 1.5 2 1.5
109. LOAD COMB 20 1.5(DL+WLZ1)
110. 3 1.5 7 1.5
111. LOAD COMB 21 1.5(DL+WLZ2)
112. 3 1.5 8 1.5
113. LOAD COMB 22 0.9DL+1.5SLX
114. 3 0.9 1 1.5
115. LOAD COMB 23 0.9DL+1.5SLZ
116. 3 0.9 2 1.5
117. LOAD COMB 26 0.9DL+1.5WLZ1
118. 3 0.9 7 1.5
119. LOAD COMB 27 0.9DL+1.5WLZ2
120. 3 0.9 8 1.5
121. PERFORM ANALYSIS
```



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

NUMBER OF JOINTS	56	NUMBER OF MEMBERS	94
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 = 6, TOTAL DEGREES OF FREEDOM = 312
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 =    1.17946 SEC       *
* SA/G PER 1893=    0.577, LOAD FACTOR= 1.000           *
* VB PER 1893=    0.0154 X     5675.30=      87.25 KN   *
*                                                       *
*********************************************************
```

```
*********************************************************
* UNITS - KN    METE                                    *
* TIME PERIOD FOR Z 1893 LOADING =    1.17946 SEC       *
* SA/G PER 1893=    0.577, LOAD FACTOR= 1.000           *
* VB PER 1893=    0.0154 X     5675.30=      87.25 KN   *
*                                                       *
*********************************************************
```

122. FINISH

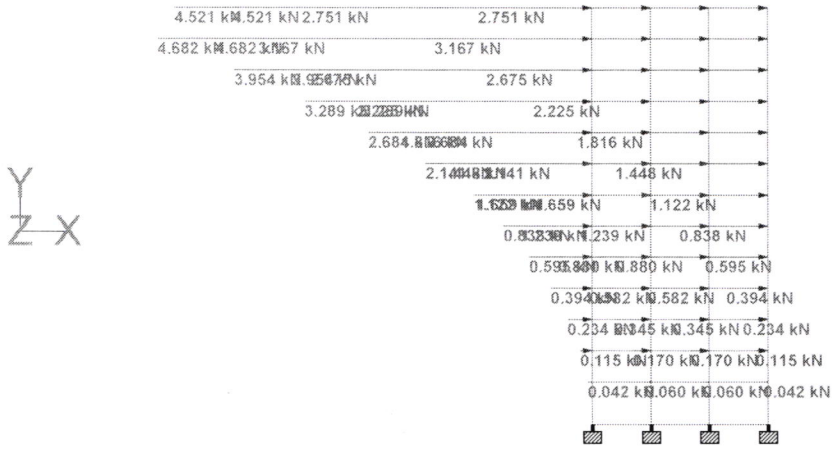
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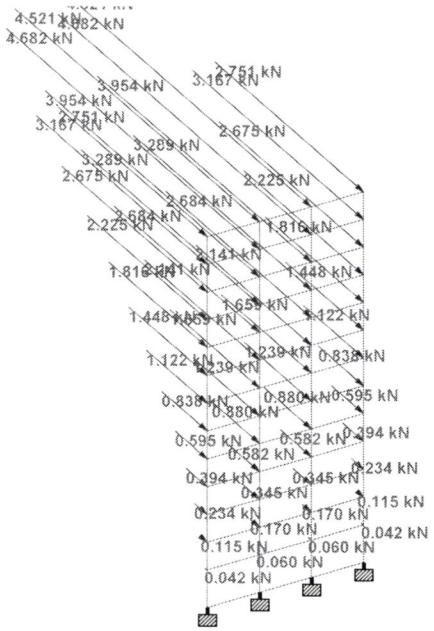
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*                                                           *
*   Details about additional assistance from                *
*   Bentley and Partners can be found at program menu       *
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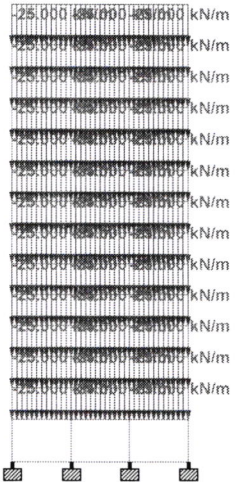
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Load 2

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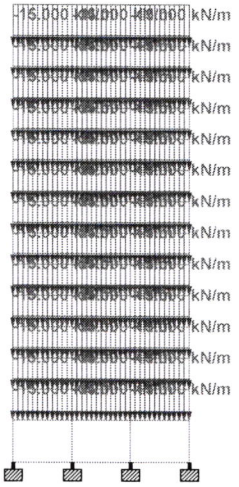


Load 3

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	Part		
Job Title The Proposed Construction of Residential High Rise Building Develop	Ref		
	By Suresh	Date 9/24/2024	Chd Suresh
Client	File PUDUPAKKAM.std	Date/Time	24-Sep-2024 14:39

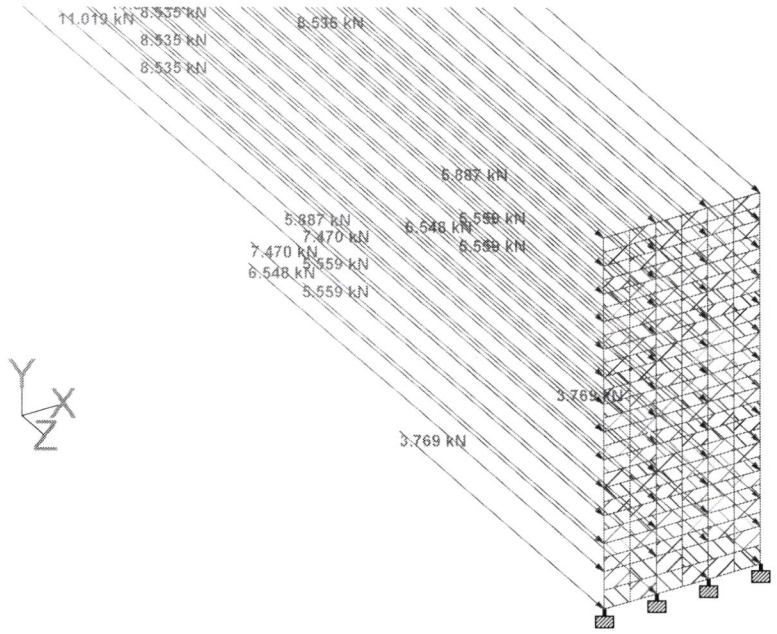




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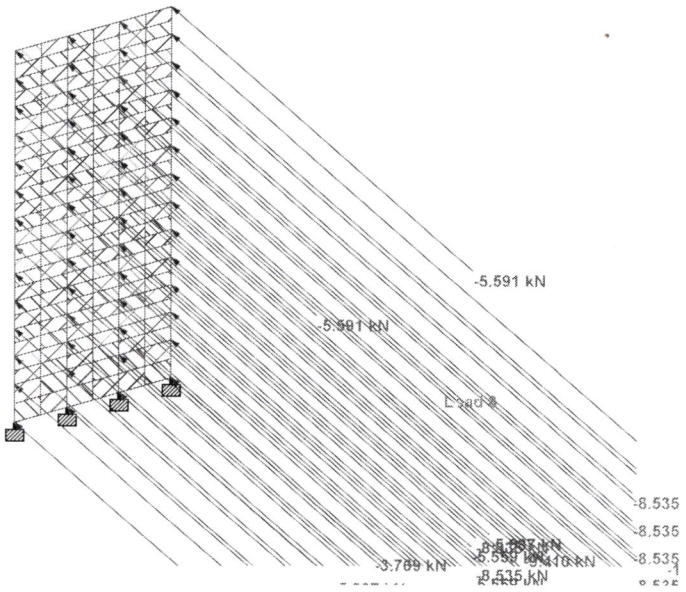
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	Part		
Job Title The Proposed Construction of Residential High Rise Building Develop	Ref		
	By Suresh	Date 9/24/2024	Chd Suresh
Client	File PUDUPAKKAM.std	Date/Time	24-Sep-2024 14:39



Load 7

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