**公共建筑换气次数**

**计算书**

|  |  |
| --- | --- |
| 工程名称 |  |
| 工程地点 | 郑州 |
| 设计编号 |  |
| 建设单位 |  |
| 设计单位 |  |
| 设 计 人 |  |
| 校 对 人 |  |
| 审 核 人 |  |
| 设计日期 |  |



|  |  |
| --- | --- |
| 采用软件 | 绿建斯维尔建筑通风Vent202020 |
| 软件版本 | 20200606 |
| 研发单位 | 北京绿建软件股份有限公司 |
| 正版授权码 | T18638004134 |

# 建筑概况

|  |  |
| --- | --- |
| 工程名称 |  |
| 工程地点 | 郑州 |

# 计算依据

1. 《绿色建筑评价标准》GB/T50378—2019

2. 《绿色建筑评价技术细则》

3. 相关建筑图纸

# 参考标准

《绿色建筑评价标准》GB/T50378—2019 中5.2.10条款 对公共建筑的室内自然通风效果按以下规则评分：

根据在过渡季典型工况下主要功能房间平均自然通风换气次数不小于 2 次/h 的面积比例，按照下表的规则评分，最高得 8 分。

表1 公共建筑过渡季节典型工况下主要功能房间自然通风评分规则

|  |  |
| --- | --- |
| 面积比例 RR | 得分 |
| 70%≤RR＜80% | 5 |
| 80%≤RR＜90% | 6 |
| 90%≤RR＜100% | 7 |
| RR=100% | 8 |

# 计算方法

本项目采用多区域网络法对该建筑室内换气次数进行计算，多区域网络法即把室内各房间分为不同的通风换气区域，以门窗风压作为边界条件，不同区域之间通过联通的门窗作为连接，进行数据的传输，最终获得各个房间的换气次数。

房间换气次数的计算源于通风路径空气质量流量的计算，基于多区域网络法的空气质量流量计算如下式：

$$Q=C\_{d}A\sqrt{\frac{2∆P}{ρ}}$$

$ Q$——房间体积流量（$m^{3}$/s）

∆P——相邻房间之间门窗的风压差；

$C\_{d}$——流量系数，对于大的建筑洞口，取0.5，对于狭小的洞口取0.65，本项目计算取0.6；

*A*——洞口面积（$m^{2}$）

$ρ$——空气密度 （${kg}/{m^{3}}$）

通过上述方法获取一个房间的体积流量$Q$之后，即可进行房间换气次数的计算：

$$Acr=\frac{Q\*3600}{V}$$

$Q$——房间体积流量（$m^{3}$/s）

$Acr$——换气次数（次/h）；

$V$——房间体积（m3）；

# 换气次数计算表

表2 公共建筑过渡季节典型工况下换气次数统计表

|  |
| --- |
| 换气次数大于2次/h的面积比 |
| 换气次数大于2次/h的面积 | 28723.69 | ㎡ |
| 总面积 | 30216.18 | ㎡ |
| 面积比例RR | 95.06 | % |

| 分类 | 体积(m^3) | 面积(m^2) | 换气次数(次/h) |
| --- | --- | --- | --- |
|  建筑 |  |  |  |
|  第1层 |  |  |  |
|  1001[房间] | 181.44 | 40.32 | 85.08 |
|  1001[房间] | 3285.44 | 730.10 | 38.34 |
|  1002[房间] | 628.54 | 139.68 | 71.39 |
|  1003[房间] | 88.58 | 19.69 | 83.30 |
|  1004[房间] | 82.08 | 18.24 | 87.52 |
|  1005[房间] | 470.88 | 104.64 | 140.59 |
|  1006[房间] | 396.90 | 88.20 | 0.00 |
|  1007[房间] | 635.04 | 141.12 | 0.00 |
|  1008[房间] | 3564.35 | 792.08 | 9.49 |
|  1010[房间] | 317.52 | 70.56 | 33.13 |
|  1014[房间] | 635.04 | 141.12 | 26.66 |
|  1024[房间] | 317.52 | 70.56 | 14.72 |
|  1029[房间] | 317.52 | 70.56 | 17.57 |
|  1031[房间] | 130.41 | 28.98 | 30.10 |
|  1032[房间] | 476.28 | 105.84 | 20.25 |
|  1033[房间] | 317.52 | 70.56 | 0.00 |
|  1034[房间] | 480.06 | 106.68 | 0.00 |
|  1035[房间] | 317.49 | 70.55 | 51.59 |
|  1036[房间] | 634.84 | 141.08 | 39.34 |
|  1037[房间] | 634.74 | 141.05 | 21.27 |
|  1038[房间] | 271.97 | 60.44 | 57.80 |
|  1039[房间] | 1588.13 | 352.92 | 71.72 |
|  1040[房间] | 487.81 | 108.40 | 42.76 |
|  1041[房间] | 65.52 | 14.56 | 46.02 |
|  1042[房间] | 70.56 | 15.68 | 42.73 |
|  1043[房间] | 154.98 | 34.44 | 0.00 |
|  1044[房间] | 158.76 | 35.28 | 95.68 |
|  1057[房间] | 635.04 | 141.12 | 32.66 |
|  1058[房间] | 317.52 | 70.56 | 47.04 |
|  1059[房间] | 317.52 | 70.56 | 29.25 |
|  1060[房间] | 317.52 | 70.56 | 38.85 |
|  1061[房间] | 104.58 | 23.24 | 17.05 |
|  1062[房间] | 107.10 | 23.80 | 16.31 |
|  1076[房间] | 120.96 | 26.88 | 69.94 |
|  1081[房间] | 317.52 | 70.56 | 15.77 |
|  1087[房间] | 317.52 | 70.56 | 8.50 |
|  1125[房间] | 241.92 | 53.76 | 15.66 |
|  1126[房间] | 241.92 | 53.76 | 46.38 |
|  第2层 |  |  |  |
|  2001[房间] | 30.08 | 6.69 | 0.00 |
|  2001[房间] | 43.11 | 9.58 | 168.31 |
|  2002[房间] | 30.08 | 6.69 | 0.00 |
|  2002[房间] | 2150.57 | 477.91 | 60.09 |
|  2003[房间] | 30.08 | 6.69 | 0.00 |
|  2004[房间] | 30.08 | 6.69 | 0.00 |
|  2004[房间] | 391.29 | 86.95 | 187.51 |
|  2005[房间] | 30.08 | 6.69 | 0.00 |
|  2006[房间] | 30.08 | 6.69 | 0.00 |
|  2007[房间] | 30.08 | 6.69 | 0.00 |
|  2008[房间] | 30.08 | 6.69 | 0.00 |
|  2009[房间] | 30.08 | 6.69 | 0.00 |
|  2010[房间] | 30.08 | 6.69 | 0.00 |
|  2011[房间] | 30.08 | 6.69 | 0.00 |
|  2012[房间] | 30.08 | 6.69 | 0.00 |
|  2013[房间] | 30.08 | 6.69 | 0.00 |
|  2014[房间] | 30.08 | 6.69 | 0.00 |
|  2026[房间] | 317.52 | 70.56 | 13.34 |
|  2027[房间] | 317.52 | 70.56 | 22.66 |
|  2124[房间] | 241.92 | 53.76 | 52.45 |
|  2335[房间] | 396.90 | 88.20 | 86.21 |
|  2336[房间] | 123.56 | 27.46 | 23.70 |
|  2337[房间] | 123.56 | 27.46 | 40.89 |
|  2338[房间] | 123.56 | 27.46 | 67.98 |
|  2339[房间] | 123.56 | 27.46 | 87.59 |
|  2340[房间] | 123.56 | 27.46 | 101.78 |
|  2341[房间] | 123.56 | 27.46 | 111.57 |
|  2342[房间] | 123.56 | 27.46 | 117.72 |
|  2343[房间] | 123.56 | 27.46 | 121.16 |
|  2344[房间] | 123.56 | 27.46 | 119.89 |
|  2345[房间] | 123.56 | 27.46 | 117.91 |
|  2346[房间] | 123.56 | 27.46 | 102.53 |
|  2347[房间] | 123.56 | 27.46 | 68.91 |
|  2348[房间] | 2355.71 | 523.49 | 63.44 |
|  2367[房间] | 30.08 | 6.69 | 0.00 |
|  2368[房间] | 30.08 | 6.69 | 0.00 |
|  2369[房间] | 30.08 | 6.69 | 0.00 |
|  2370[房间] | 30.08 | 6.69 | 0.00 |
|  2371[房间] | 30.08 | 6.69 | 0.00 |
|  2372[房间] | 30.08 | 6.69 | 0.00 |
|  2373[房间] | 5505.57 | 1223.46 | 48.14 |
|  2395[房间] | 123.56 | 27.46 | 41.91 |
|  2396[房间] | 123.56 | 27.46 | 41.41 |
|  2397[房间] | 123.56 | 27.46 | 27.42 |
|  2398[房间] | 123.56 | 27.46 | 9.21 |
|  2399[房间] | 123.56 | 27.46 | 4.24 |
|  2400[房间] | 123.56 | 27.46 | 9.60 |
|  2401[房间] | 123.56 | 27.46 | 19.85 |
|  2402[房间] | 123.56 | 27.46 | 22.23 |
|  2415[房间] | 130.41 | 28.98 | 7.79 |
|  2416[房间] | 476.28 | 105.84 | 13.69 |
|  2417[房间] | 317.52 | 70.56 | 41.79 |
|  2418[房间] | 317.52 | 70.56 | 74.56 |
|  2420[房间] | 952.56 | 211.68 | 77.79 |
|  2421[房间] | 45.31 | 10.07 | 165.16 |
|  2423[房间] | 317.52 | 70.56 | 72.34 |
|  2424[房间] | 158.76 | 35.28 | 77.08 |
|  2434[房间] | 317.52 | 70.56 | 51.49 |
|  2435[房间] | 114.75 | 25.50 | 129.22 |
|  2436[房间] | 112.05 | 24.90 | 187.76 |
|  2437[房间] | 113.40 | 25.20 | 166.86 |
|  2438[房间] | 113.40 | 25.20 | 106.29 |
|  2439[房间] | 317.52 | 70.56 | 4.32 |
|  2440[房间] | 317.52 | 70.56 | 25.04 |
|  2441[房间] | 317.52 | 70.56 | 28.34 |
|  2459[房间] | 317.52 | 70.56 | 17.25 |
|  2460[房间] | 317.52 | 70.56 | 29.04 |
|  2461[房间] | 317.52 | 70.56 | 16.67 |
|  第3层 |  |  |  |
|  3001[房间] | 167.51 | 55.84 | 0.00 |
|  3001[房间] | 1173.92 | 391.31 | 116.53 |
|  3002[房间] | 82.37 | 27.46 | 66.18 |
|  3003[房间] | 20.06 | 6.69 | 0.00 |
|  3003[房间] | 207.18 | 69.06 | 42.00 |
|  3004[房间] | 82.37 | 27.46 | 66.72 |
|  3005[房间] | 20.06 | 6.69 | 0.00 |
|  3005[房间] | 207.18 | 69.06 | 44.14 |
|  3006[房间] | 82.37 | 27.46 | 41.04 |
|  3007[房间] | 20.06 | 6.69 | 0.00 |
|  3007[房间] | 207.18 | 69.06 | 70.89 |
|  3008[房间] | 82.37 | 27.46 | 14.68 |
|  3009[房间] | 20.06 | 6.69 | 0.00 |
|  3009[房间] | 207.18 | 69.06 | 32.07 |
|  3010[房间] | 82.37 | 27.46 | 176.30 |
|  3011[房间] | 20.06 | 6.69 | 0.00 |
|  3011[房间] | 198.54 | 66.18 | 42.30 |
|  3012[房间] | 82.37 | 27.46 | 156.14 |
|  3013[房间] | 20.06 | 6.69 | 0.00 |
|  3013[房间] | 194.67 | 64.89 | 40.62 |
|  3014[房间] | 82.37 | 27.46 | 106.76 |
|  3015[房间] | 20.06 | 6.69 | 0.00 |
|  3015[房间] | 192.78 | 64.26 | 49.27 |
|  3016[房间] | 82.37 | 27.46 | 140.22 |
|  3017[房间] | 20.06 | 6.69 | 0.00 |
|  3017[房间] | 192.78 | 64.26 | 42.10 |
|  3018[房间] | 82.37 | 27.46 | 148.74 |
|  3019[房间] | 20.06 | 6.69 | 0.00 |
|  3019[房间] | 192.28 | 64.09 | 82.13 |
|  3020[房间] | 82.37 | 27.46 | 165.96 |
|  3021[房间] | 20.06 | 6.69 | 0.00 |
|  3021[房间] | 164.88 | 54.96 | 52.76 |
|  3022[房间] | 82.37 | 27.46 | 178.98 |
|  3023[房间] | 20.06 | 6.69 | 0.00 |
|  3023[房间] | 159.18 | 53.06 | 41.21 |
|  3024[房间] | 82.37 | 27.46 | 187.17 |
|  3025[房间] | 20.06 | 6.69 | 0.00 |
|  3025[房间] | 159.06 | 53.02 | 70.45 |
|  3026[房间] | 82.37 | 27.46 | 192.26 |
|  3027[房间] | 159.07 | 53.02 | 63.83 |
|  3028[房间] | 82.37 | 27.46 | 193.51 |
|  3032[房间] | 20.06 | 6.69 | 0.00 |
|  3048[房间] | 20.06 | 6.69 | 0.00 |
|  3049[房间] | 20.06 | 6.69 | 0.00 |
|  3050[房间] | 20.06 | 6.69 | 0.00 |
|  3051[房间] | 20.06 | 6.69 | 0.00 |
|  3056[房间] | 20.06 | 6.69 | 0.00 |
|  3057[房间] | 20.06 | 6.69 | 0.00 |
|  3058[房间] | 20.06 | 6.69 | 0.00 |
|  3077[房间] | 82.37 | 27.46 | 76.21 |
|  3078[房间] | 82.37 | 27.46 | 72.52 |
|  3079[房间] | 82.37 | 27.46 | 63.03 |
|  3080[房间] | 82.37 | 27.46 | 47.08 |
|  3081[房间] | 82.37 | 27.46 | 35.77 |
|  3082[房间] | 82.37 | 27.46 | 30.59 |
|  3092[房间] | 211.68 | 70.56 | 41.55 |
|  3093[房间] | 211.68 | 70.56 | 27.06 |
|  3106[房间] | 2335.61 | 778.54 | 100.26 |
|  3107[房间] | 105.84 | 35.28 | 86.06 |
|  3119[房间] | 207.18 | 69.06 | 36.10 |
|  3123[房间] | 8.64 | 2.88 | 0.00 |
|  3146[房间] | 207.18 | 69.06 | 32.79 |
|  3147[房间] | 192.28 | 64.09 | 42.20 |
|  3150[房间] | 14.02 | 4.67 | 0.00 |
|  3151[房间] | 0.89 | 0.30 | 0.00 |
|  3210[房间] | 14.90 | 4.97 | 0.00 |
|  3214[房间] | 14.40 | 4.80 | 0.00 |
|  3216[房间] | 13.54 | 4.51 | 0.00 |
|  3217[房间] | 0.86 | 0.29 | 0.00 |
|  3219[房间] | 176.08 | 58.69 | 90.03 |
|  3223[房间] | 27.90 | 9.30 | 0.00 |
|  3225[房间] | 16.20 | 5.40 | 0.00 |
|  3227[房间] | 207.18 | 69.06 | 53.58 |
|  3233[房间] | 14.90 | 4.97 | 0.00 |
|  3239[房间] | 14.40 | 4.80 | 0.00 |
|  3243[房间] | 18.48 | 6.16 | 0.00 |
|  3246[房间] | 25.34 | 8.45 | 0.00 |
|  3266[房间] | 25.30 | 8.43 | 0.00 |
|  3268[房间] | 25.34 | 8.45 | 0.00 |
|  3270[房间] | 25.27 | 8.42 | 0.00 |
|  3272[房间] | 18.58 | 6.19 | 0.00 |
|  3277[房间] | 25.25 | 8.42 | 0.00 |
|  3279[房间] | 18.58 | 6.19 | 0.00 |
|  3293[房间] | 211.68 | 70.56 | 40.00 |
|  3305[房间] | 18.52 | 6.17 | 0.00 |
|  3313[房间] | 159.07 | 53.02 | 45.05 |
|  3319[房间] | 158.95 | 52.98 | 39.16 |
|  3323[房间] | 202.75 | 67.58 | 33.26 |
|  3326[房间] | 211.68 | 70.56 | 43.67 |
|  3327[房间] | 211.68 | 70.56 | 25.41 |
|  3332[房间] | 8.22 | 2.74 | 134.27 |
|  3334[房间] | 203.02 | 67.67 | 22.24 |
|  3335[房间] | 18.46 | 6.15 | 0.00 |
|  3339[房间] | 259.61 | 86.54 | 5.12 |
|  第4层 |  |  |  |
|  4002[房间] | 20.06 | 6.69 | 0.00 |
|  4002[房间] | 224.37 | 74.79 | 169.90 |
|  4003[房间] | 82.37 | 27.46 | 57.54 |
|  4004[房间] | 20.06 | 6.69 | 0.00 |
|  4005[房间] | 82.37 | 27.46 | 60.46 |
|  4006[房间] | 20.06 | 6.69 | 0.00 |
|  4007[房间] | 82.37 | 27.46 | 28.91 |
|  4008[房间] | 20.06 | 6.69 | 0.00 |
|  4009[房间] | 82.37 | 27.46 | 40.55 |
|  4010[房间] | 20.06 | 6.69 | 0.00 |
|  4011[房间] | 82.37 | 27.46 | 186.70 |
|  4012[房间] | 20.06 | 6.69 | 0.00 |
|  4012[房间] | 211.68 | 70.56 | 39.04 |
|  4013[房间] | 82.37 | 27.46 | 162.50 |
|  4014[房间] | 20.06 | 6.69 | 0.00 |
|  4014[房间] | 211.68 | 70.56 | 42.00 |
|  4015[房间] | 82.37 | 27.46 | 117.14 |
|  4016[房间] | 20.06 | 6.69 | 0.00 |
|  4017[房间] | 82.37 | 27.46 | 142.82 |
|  4018[房间] | 211.68 | 70.56 | 43.98 |
|  4019[房间] | 82.37 | 27.46 | 148.39 |
|  4020[房间] | 211.68 | 70.56 | 31.17 |
|  4021[房间] | 82.37 | 27.46 | 170.34 |
|  4022[房间] | 20.06 | 6.69 | 0.00 |
|  4023[房间] | 82.37 | 27.46 | 180.65 |
|  4024[房间] | 20.06 | 6.69 | 0.00 |
|  4025[房间] | 82.37 | 27.46 | 189.61 |
|  4026[房间] | 20.06 | 6.69 | 0.00 |
|  4027[房间] | 82.37 | 27.46 | 194.61 |
|  4028[房间] | 20.06 | 6.69 | 0.00 |
|  4029[房间] | 82.37 | 27.46 | 197.07 |
|  4030[房间] | 20.06 | 6.69 | 0.00 |
|  4031[房间] | 20.06 | 6.69 | 0.00 |
|  4032[房间] | 20.06 | 6.69 | 0.00 |
|  4033[房间] | 207.18 | 69.06 | 48.44 |
|  4034[房间] | 207.18 | 69.06 | 34.40 |
|  4035[房间] | 207.18 | 69.06 | 56.92 |
|  4037[房间] | 207.18 | 69.06 | 84.47 |
|  4047[房间] | 207.18 | 69.06 | 53.88 |
|  4050[房间] | 20.06 | 6.69 | 0.00 |
|  4055[房间] | 207.18 | 69.06 | 39.70 |
|  4057[房间] | 20.06 | 6.69 | 0.00 |
|  4059[房间] | 20.06 | 6.69 | 0.00 |
|  4060[房间] | 20.06 | 6.69 | 0.00 |
|  4065[房间] | 207.18 | 69.06 | 43.81 |
|  4066[房间] | 207.18 | 69.06 | 58.59 |
|  4067[房间] | 207.18 | 69.06 | 90.22 |
|  4068[房间] | 207.18 | 69.06 | 41.39 |
|  4070[房间] | 207.18 | 69.06 | 86.25 |
|  4071[房间] | 203.02 | 67.67 | 25.74 |
|  4078[房间] | 82.37 | 27.46 | 80.02 |
|  4079[房间] | 82.37 | 27.46 | 74.76 |
|  4080[房间] | 82.37 | 27.46 | 67.40 |
|  4081[房间] | 82.37 | 27.46 | 54.12 |
|  4082[房间] | 82.37 | 27.46 | 40.31 |
|  4083[房间] | 82.37 | 27.46 | 23.09 |
|  4093[房间] | 202.89 | 67.63 | 41.80 |
|  4096[房间] | 202.89 | 67.63 | 47.43 |
|  4097[房间] | 202.89 | 67.63 | 46.05 |
|  4109[房间] | 105.84 | 35.28 | 80.49 |
|  4114[房间] | 202.75 | 67.58 | 29.98 |
|  4145[房间] | 20.06 | 6.69 | 0.00 |
|  4148[房间] | 207.18 | 69.06 | 42.17 |
|  4154[房间] | 317.52 | 105.84 | 64.72 |
|  4155[房间] | 211.68 | 70.56 | 47.47 |
|  4207[房间] | 207.18 | 69.06 | 40.60 |
|  4240[房间] | 207.18 | 69.06 | 34.38 |
|  4316[房间] | 202.89 | 67.63 | 32.18 |
|  4322[房间] | 202.75 | 67.58 | 26.84 |
|  4330[房间] | 211.68 | 70.56 | 22.46 |
|  4333[房间] | 203.02 | 67.67 | 33.61 |
|  4338[房间] | 1173.93 | 391.31 | 121.65 |
|  4340[房间] | 2209.49 | 736.50 | 79.82 |
|  第5层 |  |  |  |
|  5001[房间] | 211.68 | 70.56 | 222.80 |
|  5002[房间] | 82.37 | 27.46 | 67.80 |
|  5003[房间] | 20.06 | 6.69 | 0.00 |
|  5004[房间] | 82.37 | 27.46 | 113.16 |
|  5005[房间] | 20.06 | 6.69 | 0.00 |
|  5006[房间] | 82.37 | 27.46 | 139.41 |
|  5007[房间] | 20.06 | 6.69 | 0.00 |
|  5008[房间] | 82.37 | 27.46 | 196.52 |
|  5009[房间] | 20.06 | 6.69 | 0.00 |
|  5010[房间] | 82.37 | 27.46 | 192.39 |
|  5011[房间] | 20.06 | 6.69 | 0.00 |
|  5012[房间] | 82.45 | 27.48 | 186.90 |
|  5013[房间] | 20.06 | 6.69 | 0.00 |
|  5014[房间] | 20.06 | 6.69 | 0.00 |
|  5015[房间] | 82.30 | 27.43 | 162.88 |
|  5016[房间] | 82.37 | 27.46 | 120.65 |
|  5018[房间] | 82.37 | 27.46 | 171.92 |
|  5020[房间] | 82.37 | 27.46 | 177.52 |
|  5022[房间] | 82.37 | 27.46 | 189.43 |
|  5028[房间] | 211.68 | 70.56 | 33.74 |
|  5029[房间] | 211.68 | 70.56 | 45.72 |
|  5030[房间] | 211.68 | 70.56 | 65.68 |
|  5042[房间] | 20.06 | 6.69 | 0.00 |
|  5043[房间] | 20.06 | 6.69 | 0.00 |
|  5044[房间] | 20.06 | 6.69 | 0.00 |
|  5045[房间] | 207.18 | 69.06 | 21.52 |
|  5047[房间] | 20.06 | 6.69 | 0.00 |
|  5048[房间] | 20.06 | 6.69 | 0.00 |
|  5050[房间] | 207.18 | 69.06 | 76.78 |
|  5053[房间] | 207.18 | 69.06 | 84.86 |
|  5054[房间] | 207.18 | 69.06 | 35.83 |
|  5058[房间] | 207.18 | 69.06 | 62.32 |
|  5059[房间] | 207.18 | 69.06 | 78.32 |
|  5062[房间] | 82.37 | 27.46 | 78.90 |
|  5069[房间] | 207.18 | 69.06 | 58.66 |
|  5072[房间] | 82.37 | 27.46 | 83.66 |
|  5073[房间] | 203.02 | 67.67 | 37.35 |
|  5092[房间] | 207.18 | 69.06 | 24.31 |
|  5114[房间] | 150.20 | 50.07 | 135.45 |
|  5115[房间] | 105.84 | 35.28 | 111.18 |
|  5130[房间] | 207.18 | 69.06 | 82.28 |
|  5146[房间] | 20.06 | 6.69 | 0.00 |
|  5165[房间] | 207.18 | 69.06 | 55.81 |
|  5169[房间] | 207.18 | 69.06 | 67.29 |
|  5171[房间] | 207.18 | 69.06 | 49.74 |
|  5190[房间] | 207.18 | 69.06 | 66.06 |
|  5206[房间] | 589.68 | 196.56 | 113.06 |
|  5238[房间] | 191.49 | 63.83 | 56.90 |
|  5260[房间] | 202.80 | 67.60 | 56.25 |
|  5265[房间] | 202.89 | 67.63 | 54.35 |
|  5266[房间] | 202.75 | 67.58 | 36.87 |
|  5268[房间] | 202.89 | 67.63 | 46.33 |
|  5269[房间] | 211.68 | 70.56 | 53.85 |
|  5270[房间] | 211.68 | 70.56 | 56.35 |
|  5279[房间] | 701.56 | 233.85 | 9.59 |
|  5280[房间] | 1105.28 | 368.43 | 128.08 |
|  5281[房间] | 708.89 | 236.30 | 96.25 |
|  第6层 |  |  |  |
|  6001[房间] | 851.76 | 283.92 | 1.33 |
|  6002[房间] | 82.37 | 27.46 | 56.96 |
|  6003[房间] | 20.06 | 6.69 | 0.00 |
|  6004[房间] | 82.37 | 27.46 | 158.10 |
|  6005[房间] | 82.37 | 27.46 | 160.97 |
|  6006[房间] | 20.06 | 6.69 | 0.00 |
|  6007[房间] | 82.37 | 27.46 | 151.21 |
|  6008[房间] | 20.06 | 6.69 | 0.00 |
|  6009[房间] | 82.37 | 27.46 | 148.03 |
|  6010[房间] | 20.06 | 6.69 | 0.00 |
|  6011[房间] | 82.37 | 27.46 | 132.25 |
|  6012[房间] | 20.06 | 6.69 | 0.00 |
|  6013[房间] | 82.37 | 27.46 | 110.86 |
|  6014[房间] | 20.06 | 6.69 | 0.00 |
|  6015[房间] | 82.35 | 27.45 | 88.17 |
|  6016[房间] | 20.06 | 6.69 | 0.00 |
|  6017[房间] | 82.37 | 27.46 | 89.65 |
|  6018[房间] | 20.06 | 6.69 | 0.00 |
|  6019[房间] | 82.37 | 27.46 | 103.76 |
|  6021[房间] | 82.37 | 27.46 | 119.71 |
|  6022[房间] | 211.68 | 70.56 | 36.00 |
|  6031[房间] | 211.68 | 70.56 | 48.93 |
|  6032[房间] | 207.18 | 69.06 | 75.37 |
|  6038[房间] | 20.06 | 6.69 | 0.00 |
|  6039[房间] | 20.06 | 6.69 | 0.00 |
|  6040[房间] | 20.06 | 6.69 | 0.00 |
|  6041[房间] | 20.06 | 6.69 | 0.00 |
|  6042[房间] | 207.18 | 69.06 | 42.78 |
|  6044[房间] | 20.06 | 6.69 | 0.00 |
|  6045[房间] | 20.06 | 6.69 | 0.00 |
|  6046[房间] | 207.18 | 69.06 | 66.86 |
|  6050[房间] | 20.06 | 6.69 | 0.00 |
|  6051[房间] | 207.18 | 69.06 | 69.50 |
|  6052[房间] | 207.18 | 69.06 | 57.40 |
|  6057[房间] | 207.18 | 69.06 | 73.27 |
|  6060[房间] | 207.18 | 69.06 | 80.08 |
|  6061[房间] | 82.37 | 27.46 | 82.08 |
|  6062[房间] | 82.37 | 27.46 | 79.36 |
|  6063[房间] | 73.84 | 24.61 | 81.67 |
|  6064[房间] | 207.18 | 69.06 | 34.61 |
|  6081[房间] | 202.96 | 67.65 | 36.37 |
|  6098[房间] | 202.89 | 67.63 | 27.93 |
|  6118[房间] | 619.92 | 206.64 | 165.29 |
|  6124[房间] | 207.18 | 69.06 | 50.00 |
|  6127[房间] | 82.37 | 27.46 | 86.01 |
|  6168[房间] | 207.18 | 69.06 | 93.32 |
|  6180[房间] | 207.18 | 69.06 | 93.22 |
|  6236[房间] | 202.81 | 67.60 | 25.66 |
|  6240[房间] | 211.68 | 70.56 | 36.63 |
|  6241[房间] | 211.68 | 70.56 | 40.84 |
|  6242[房间] | 211.68 | 70.56 | 20.65 |
|  6246[房间] | 202.89 | 67.63 | 40.73 |
|  6249[房间] | 1093.95 | 364.65 | 31.88 |
|  6250[房间] | 964.82 | 321.61 | 112.67 |
|  6251[房间] | 211.68 | 70.56 | 109.54 |
|  第7层 |  |  |  |
|  7003[房间] | 1483.11 | 494.37 | 118.80 |
|  7008[房间] | 211.68 | 70.56 | 31.31 |
|  7023[房间] | 211.68 | 70.56 | 46.79 |
|  7025[房间] | 211.68 | 70.56 | 45.32 |
|  7067[房间] | 201.45 | 67.15 | 63.59 |
|  7078[房间] | 1.54 | 0.51 | 0.00 |
|  7079[房间] | 1.57 | 0.52 | 0.00 |
|  7082[房间] | 1.30 | 0.43 | 0.00 |
|  7085[房间] | 202.96 | 67.65 | 92.39 |
|  7088[房间] | 202.83 | 67.61 | 122.96 |
|  7089[房间] | 202.94 | 67.65 | 89.27 |
|  7090[房间] | 202.91 | 67.64 | 82.25 |
|  7092[房间] | 202.94 | 67.65 | 84.67 |
|  7103[房间] | 202.81 | 67.60 | 44.25 |
|  7106[房间] | 202.78 | 67.59 | 62.75 |
|  7108[房间] | 202.78 | 67.59 | 48.35 |
|  7115[房间] | 202.86 | 67.62 | 239.90 |
|  7118[房间] | 201.15 | 67.05 | 137.55 |
|  7120[房间] | 197.78 | 65.93 | 36.97 |
|  7121[房间] | 197.53 | 65.84 | 37.55 |
|  7154[房间] | 202.89 | 67.63 | 32.95 |
|  7162[房间] | 202.96 | 67.65 | 51.50 |
|  7163[房间] | 202.81 | 67.60 | 49.85 |
|  7164[房间] | 202.96 | 67.65 | 35.38 |
|  7177[房间] | 201.51 | 67.17 | 73.41 |
|  第8层 |  |  |  |
|  8001[房间] | 1225.99 | 408.66 | 130.21 |
|  8015[房间] | 211.68 | 70.56 | 48.87 |
|  8016[房间] | 211.68 | 70.56 | 34.88 |
|  8073[房间] | 202.86 | 67.62 | 243.69 |
|  8074[房间] | 202.96 | 67.65 | 157.05 |
|  8076[房间] | 202.94 | 67.65 | 84.38 |
|  8080[房间] | 202.96 | 67.65 | 45.41 |
|  8086[房间] | 202.99 | 67.66 | 88.38 |
|  8091[房间] | 202.91 | 67.64 | 147.56 |
|  8094[房间] | 202.83 | 67.61 | 105.82 |
|  8095[房间] | 202.94 | 67.65 | 82.62 |
|  8104[房间] | 202.81 | 67.60 | 76.62 |
|  8105[房间] | 202.89 | 67.63 | 49.60 |
|  8106[房间] | 1.30 | 0.43 | 0.00 |
|  8110[房间] | 202.78 | 67.59 | 57.98 |
|  8111[房间] | 202.78 | 67.59 | 73.42 |
|  8116[房间] | 202.72 | 67.57 | 146.82 |
|  8117[房间] | 201.51 | 67.17 | 53.27 |
|  8119[房间] | 197.87 | 65.96 | 39.32 |
|  8122[房间] | 196.74 | 65.58 | 39.48 |
|  8123[房间] | 165.68 | 55.23 | 31.28 |
|  8166[房间] | 202.81 | 67.60 | 38.77 |
|  8169[房间] | 202.96 | 67.65 | 40.19 |
|  8173[房间] | 211.68 | 70.56 | 51.08 |
|  8193[房间] | 123.86 | 41.29 | 105.93 |
|  第9层 |  |  |  |
|  9001[房间] | 211.68 | 70.56 | 105.26 |
|  9002[房间] | 211.68 | 70.56 | 38.60 |
|  9003[房间] | 202.96 | 67.65 | 57.21 |
|  9004[房间] | 202.96 | 67.65 | 70.69 |
|  9005[房间] | 203.14 | 67.71 | 146.23 |
|  9006[房间] | 202.96 | 67.65 | 170.08 |
|  9007[房间] | 202.81 | 67.60 | 120.31 |
|  9008[房间] | 202.81 | 67.60 | 42.44 |
|  9009[房间] | 202.81 | 67.60 | 346.30 |
|  9010[房间] | 194.34 | 64.78 | 40.69 |
|  9011[房间] | 194.37 | 64.79 | 34.51 |
|  9012[房间] | 176.99 | 59.00 | 57.10 |
|  9060[房间] | 202.89 | 67.63 | 120.32 |
|  9070[房间] | 851.27 | 283.76 | 115.84 |
|  9075[房间] | 202.63 | 67.54 | 113.26 |
|  9078[房间] | 202.81 | 67.60 | 65.45 |
|  9092[房间] | 123.38 | 41.13 | 50.50 |
|  9131[房间] | 2.34 | 0.78 | 0.00 |
|  9137[房间] | 202.81 | 67.60 | 33.82 |
|  9138[房间] | 202.96 | 67.65 | 39.91 |
|  9140[房间] | 202.96 | 67.65 | 34.92 |
|  9145[房间] | 211.68 | 70.56 | 18.93 |
|  第10层 |  |  |  |
|  10001[房间] | 981.78 | 327.26 | 88.44 |
|  10002[房间] | 211.68 | 70.56 | 15.40 |
|  10003[房间] | 211.68 | 70.56 | 79.50 |
|  10004[房间] | 211.68 | 70.56 | 35.87 |
|  10005[房间] | 2.46 | 0.82 | 0.00 |
|  10006[房间] | 202.89 | 67.63 | 123.28 |
|  10007[房间] | 202.96 | 67.65 | 93.77 |
|  10008[房间] | 203.14 | 67.71 | 145.17 |
|  10009[房间] | 202.96 | 67.65 | 146.28 |
|  10010[房间] | 202.81 | 67.60 | 79.87 |
|  10011[房间] | 202.81 | 67.60 | 167.93 |
|  10012[房间] | 202.81 | 67.60 | 40.03 |
|  10013[房间] | 202.63 | 67.54 | 167.45 |
|  10014[房间] | 196.73 | 65.58 | 40.61 |
|  10015[房间] | 182.44 | 60.81 | 25.41 |
|  10016[房间] | 196.35 | 65.45 | 30.39 |
|  10048[房间] | 202.81 | 67.60 | 279.97 |
|  10059[房间] | 202.96 | 67.65 | 69.43 |
|  10060[房间] | 202.81 | 67.60 | 105.22 |
|  10090[房间] | 202.96 | 67.65 | 31.43 |
|  10092[房间] | 202.96 | 67.65 | 24.74 |
|  第11层 |  |  |  |

# 结论

该建筑主要功能房间换气次数大于2次**/**h的面积比例为95.06%，按照绿标5.2.10条款要求得7分。