### 5.2.10优化建筑空间和平面布局，改善自然通风效果。（总分8分）

1. **得分自评**

**住宅建筑**

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **评价内容** | **评价分值（分）** | **自评得分（分）** |
| 1 | 通风开口面积与房间地板面积的比例在夏热冬暖地区达到 12%, 在夏热冬冷地区达到 8%, 在其他地区达到 5% | 5 |  |
| 每再增加 2% | 1 |
| 合计 | | 8 |  |

**公共建筑**

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **评价内容** | **评价分值（分）** | **自评得分（分）** |
| 1 | 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 的面积比例达到 70% | 5 | 0 |
| 每再增加 10% | 1 |
| 合计 | | 8 | 0 |

1. **评价要点**

* 外窗可开启面积比例：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **外窗表** | | | | | |
| 朝向 | 外窗编号 | 外窗类型 | 尺寸 | 数量 | 可开启面积比例（% |
| 东向 825.82 |  |  | 0.09×4.20 | 1 | 50.00 |
|  |  | 0.55×4.20 | 1 | 50.00 |
|  |  | 1.78×0.20 | 1 | 50.00 |
|  |  | 1.78×1.90 | 1 | 50.00 |
|  |  | 1.28×4.20 | 1 | 50.00 |
|  |  | 5.65×4.20 | 1 | 50.00 |
|  |  | 5.55×4.20 | 1 | 50.00 |
|  |  | 0.93×4.20 | 1 | 50.00 |
|  |  | 1.59×4.20 | 1 | 50.00 |
|  |  | 2.05×4.20 | 1 | 50.00 |
|  |  | 4.35×4.20 | 1 | 50.00 |
|  |  | 1.50×0.20 | 1 | 50.00 |
|  |  | 1.50×1.90 | 1 | 50.00 |
|  |  | 2.40×4.20 | 1 | 50.00 |
|  |  | 11.90×4.20 | 1 | 50.00 |
|  |  | 7.00×4.20 | 1 | 50.00 |
|  |  | 4.53×4.20 | 1 | 50.00 |
|  |  | 3.45×4.20 | 1 | 50.00 |
|  |  | 0.94×4.20 | 1 | 50.00 |
|  |  | 0.21×4.20 | 1 | 50.00 |
|  |  | 1.47×2.90 | 4 | 50.00 |
|  |  | 8.11×2.90 | 4 | 50.00 |
|  |  | 1.55×2.90 | 5 | 50.00 |
|  |  | 1.44×2.90 | 4 | 50.00 |
|  |  | 1.33×2.90 | 4 | 50.00 |
|  |  | 1.33×2.90 | 5 | 50.00 |
|  |  | 1.55×2.90 | 6 | 50.00 |
|  |  | 8.15×2.90 | 2 | 50.00 |
|  |  | 1.44×2.90 | 2 | 50.00 |
|  |  | 0.93×2.90 | 1 | 50.00 |
| C0914 |  | 0.90×1.40 | 5 | 50.00 |
| C1114 |  | 1.10×1.40 | 6 | 50.00 |
| C1203 |  | 1.20×0.30 | 1 | 50.00 |
| C1214 |  | 1.20×1.40 | 31 | 50.00 |
| C1435 |  | 1.40×3.50 | 1 | 50.00 |
| C1814 |  | 1.80×1.40 | 18 | 50.00 |
| C1914 |  | 1.90×1.40 | 16 | 50.00 |
| C2314 |  | 2.30×1.40 | 5 | 50.00 |
| C2314 |  | 2.35×1.40 | 32 | 50.00 |
| C3014 |  | 3.00×1.40 | 4 | 50.00 |
| C4214 |  | 4.20×1.40 | 5 | 50.00 |
| 西向 1137.23 |  |  | 6.65×4.20 | 1 | 50.00 |
|  |  | 6.43×4.20 | 1 | 50.00 |
|  |  | 2.00×4.20 | 1 | 50.00 |
|  |  | 1.58×4.20 | 1 | 50.00 |
|  |  | 4.05×4.20 | 1 | 50.00 |
|  |  | 3.80×4.20 | 1 | 50.00 |
|  |  | 2.53×4.20 | 1 | 50.00 |
|  |  | 1.80×0.20 | 3 | 50.00 |
|  |  | 1.80×1.90 | 3 | 50.00 |
|  |  | 3.37×4.20 | 1 | 50.00 |
|  |  | 0.53×4.20 | 1 | 50.00 |
|  |  | 0.04×4.20 | 1 | 50.00 |
|  |  | 2.19×4.20 | 1 | 50.00 |
|  |  | 2.70×4.20 | 1 | 50.00 |
|  |  | 0.78×4.20 | 1 | 50.00 |
|  |  | 1.20×0.20 | 1 | 50.00 |
|  |  | 1.82×4.20 | 1 | 50.00 |
|  |  | 4.05×2.90 | 8 | 50.00 |
|  |  | 2.20×2.90 | 4 | 50.00 |
|  |  | 1.35×2.90 | 4 | 50.00 |
|  |  | 8.13×2.90 | 4 | 50.00 |
|  |  | 1.47×2.90 | 5 | 50.00 |
|  |  | 1.57×2.90 | 4 | 50.00 |
|  |  | 1.44×2.90 | 9 | 50.00 |
|  |  | 1.44×2.90 | 10 | 50.00 |
|  |  | 4.04×2.90 | 6 | 50.00 |
|  |  | 1.44×2.90 | 1 | 50.00 |
|  |  | 2.00×2.90 | 1 | 50.00 |
|  |  | 4.01×2.90 | 1 | 50.00 |
|  |  | 1.55×2.90 | 1 | 50.00 |
|  |  | 8.13×2.90 | 2 | 50.00 |
|  |  | 1.55×2.90 | 1 | 50.00 |
|  |  | 1.47×2.90 | 1 | 50.00 |
| C0735 |  | 0.75×3.50 | 1 | 50.00 |
| C1212 |  | 1.20×1.20 | 2 | 50.00 |
| C1214 |  | 1.20×1.40 | 65 | 50.00 |
| C1714 |  | 1.75×1.40 | 5 | 50.00 |
| C1814 |  | 1.85×1.40 | 6 | 50.00 |
| C1814 |  | 1.80×1.40 | 10 | 50.00 |
| C1914 |  | 1.90×1.40 | 6 | 50.00 |
| C1935 |  | 1.90×3.50 | 1 | 50.00 |
| C2314 |  | 2.38×1.40 | 6 | 50.00 |
| C2314 |  | 2.35×1.40 | 13 | 50.00 |
| C2414 |  | 2.40×1.40 | 30 | 50.00 |
| C2933 |  | 2.90×3.30 | 1 | 50.00 |
| C3635 |  | 3.60×3.50 | 1 | 50.00 |
| C4814 |  | 4.80×1.40 | 13 | 50.00 |
| 南向 2034.11 |  |  | 7.78×4.20 | 1 | 50.00 |
|  |  | 1.20×4.20 | 1 | 50.00 |
|  |  | 4.61×4.20 | 1 | 50.00 |
|  |  | 1.74×0.20 | 1 | 50.00 |
|  |  | 1.74×1.90 | 1 | 50.00 |
|  |  | 0.01×4.20 | 1 | 50.00 |
|  |  | 1.10×4.20 | 1 | 50.00 |
|  |  | 1.94×4.20 | 1 | 50.00 |
|  |  | 1.86×0.20 | 1 | 50.00 |
|  |  | 1.86×1.90 | 1 | 50.00 |
|  |  | 10.45×4.20 | 1 | 50.00 |
|  |  | 11.70×4.20 | 1 | 50.00 |
|  |  | 15.80×4.20 | 1 | 50.00 |
|  |  | 7.80×4.20 | 1 | 50.00 |
|  |  | 6.73×4.20 | 1 | 50.00 |
|  |  | 4.05×4.20 | 1 | 50.00 |
|  |  | 7.45×4.20 | 1 | 50.00 |
|  |  | 0.15×4.20 | 1 | 50.00 |
|  |  | 0.33×4.20 | 1 | 50.00 |
|  |  | 6.10×4.20 | 1 | 50.00 |
|  |  | 4.00×4.20 | 1 | 50.00 |
|  |  | 0.94×4.20 | 1 | 50.00 |
|  |  | 1.20×4.20 | 1 | 50.00 |
|  |  | 4.01×2.90 | 4 | 50.00 |
|  |  | 10.31×2.90 | 4 | 50.00 |
|  |  | 7.50×2.90 | 8 | 50.00 |
|  |  | 14.50×2.90 | 4 | 50.00 |
|  |  | 11.70×2.90 | 6 | 50.00 |
|  |  | 4.05×2.90 | 1 | 50.00 |
|  |  | 7.46×2.90 | 1 | 50.00 |
|  |  | 0.93×2.90 | 1 | 50.00 |
|  |  | 12.50×2.90 | 1 | 50.00 |
|  |  | 10.35×2.90 | 1 | 50.00 |
|  |  | 4.01×2.90 | 1 | 50.00 |
| C1114 |  | 1.15×1.40 | 6 | 50.00 |
| C1212 |  | 1.20×1.20 | 2 | 50.00 |
| C1814 |  | 1.89×1.40 | 4 | 50.00 |
| C1835 |  | 1.80×3.50 | 2 | 50.00 |
| C1914 |  | 1.90×1.40 | 39 | 50.00 |
| C2235 |  | 2.20×3.50 | 3 | 50.00 |
| C2314 |  | 2.35×1.40 | 1 | 50.00 |
| C2414 |  | 2.40×1.40 | 154 | 50.00 |
| C3014 |  | 3.00×1.40 | 19 | 50.00 |
| C5414 |  | 5.40×1.40 | 6 | 50.00 |
| 北向 1653.81 |  |  | 1.58×4.20 | 1 | 50.00 |
|  |  | 11.70×4.20 | 1 | 50.00 |
|  |  | 1.58×4.20 | 1 | 50.00 |
|  |  | 5.23×4.20 | 1 | 50.00 |
|  |  | 0.33×4.20 | 1 | 50.00 |
|  |  | 7.80×4.20 | 1 | 50.00 |
|  |  | 6.63×4.20 | 1 | 50.00 |
|  |  | 1.80×0.20 | 2 | 50.00 |
|  |  | 1.80×1.90 | 2 | 50.00 |
|  |  | 0.04×4.20 | 1 | 50.00 |
|  |  | 5.53×4.20 | 1 | 50.00 |
|  |  | 1.35×2.90 | 6 | 50.00 |
|  |  | 1.33×2.90 | 4 | 50.00 |
|  |  | 1.55×2.90 | 4 | 50.00 |
|  |  | 10.35×2.90 | 4 | 50.00 |
|  |  | 1.54×2.90 | 5 | 50.00 |
|  |  | 1.44×2.90 | 9 | 50.00 |
|  |  | 7.50×2.90 | 9 | 50.00 |
|  |  | 1.44×2.90 | 4 | 50.00 |
|  |  | 1.44×2.90 | 4 | 50.00 |
|  |  | 14.50×2.90 | 4 | 50.00 |
|  |  | 1.33×2.90 | 4 | 50.00 |
|  |  | 1.54×2.90 | 5 | 50.00 |
|  |  | 1.21×2.90 | 4 | 50.00 |
|  |  | 11.85×2.90 | 4 | 50.00 |
|  |  | 1.45×2.90 | 4 | 50.00 |
|  |  | 1.43×2.90 | 1 | 50.00 |
|  |  | 10.34×2.90 | 1 | 50.00 |
|  |  | 11.70×2.90 | 2 | 50.00 |
|  |  | 1.33×2.90 | 2 | 50.00 |
|  |  | 1.47×2.90 | 1 | 50.00 |
|  |  | 12.51×2.90 | 1 | 50.00 |
|  |  | 1.36×2.90 | 1 | 50.00 |
|  |  | 1.45×2.90 | 2 | 50.00 |
|  |  | 1.33×2.90 | 2 | 50.00 |
| C1114 |  | 1.15×1.40 | 27 | 50.00 |
| C1135 |  | 1.10×3.50 | 1 | 50.00 |
| C1214 |  | 1.20×1.40 | 97 | 50.00 |
| C1235 |  | 1.20×3.50 | 7 | 50.00 |
| C1814 |  | 1.80×1.40 | 38 | 50.00 |
| C1835 |  | 1.80×3.50 | 3 | 50.00 |
| C2414 |  | 2.40×1.40 | 5 | 50.00 |
| C2435 |  | 2.40×3.50 | 1 | 50.00 |
| C3014 |  | 3.00×1.40 | 18 | 50.00 |
| C3035 |  | 3.00×3.50 | 1 | 50.00 |

注：当建筑层数大于18层时，仅统计18层及以下的外窗。

* 幕墙可开启面积比例：

| 建筑编号 | 幕墙编号 | 幕墙类型 | 幕墙尺寸 | | 数量（个） | 可开启面积比例（%） |
| --- | --- | --- | --- | --- | --- | --- |
| 宽度（m） | 高度（m） |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |
| 总计 | | | | |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |
| 总计 | | | | |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |
| 总计 | | | | |  |

注：当建筑层数大于18层时，仅统计18层及以下的外窗。

1. **证明材料：**

**建议提交材料及技术要求：**

| **专业分类** | **材料名称** | **技术要求** | **评价阶段** | **建筑类型** |
| --- | --- | --- | --- | --- |
| **建筑设计** | **施工图设计说明** | 应体现门窗的类型、位置及尺寸 | 预评价/  评价 | 居建/公建 |
| **平立剖面图** | 应体现门窗的类型、位置及尺寸 | 预评价/  评价 | 居建/公建 |
| **其他材料** | **门窗表** | 应体现门窗的类型及尺寸 | 预评价/  评价 | 居建/公建 |
| **住宅建筑外窗可开启面积比例计算书** |  | 预评价/  评价 | 居建/公建 |
| **公共建筑室内自然通风模拟分析报告** |  | 预评价/  评价 | 居建/公建 |

**实际提交材料：**

|  |
| --- |
|  |