**建筑节能设计报告书**

公共建筑

甲类

|  |  |
| --- | --- |
| 工程名称 | 天津某商务楼 |
| 工程地点 | 天津-天津 |
| 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 | 2022年11月11日 |



|  |  |
| --- | --- |
| 采用软件 | 节能设计BECS2020 |
| 软件版本 | 20210101 |
| 研发单位 | 北京绿建软件股份有限公司 |
| 正版授权码 | T18003543285 |

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# 建筑概况

|  |  |  |
| --- | --- | --- |
| 工程名称 | 天津某商务城T3 | |
| 工程地点 | 天津-天津 | |
| 地理位置 | 北纬：39.00° | 东经：117.16° |
| 建筑面积 | 地上14944㎡ 地下0㎡ | |
| 建筑层数 | 地上10 地下0 | |
| 建筑高度 | 43.2m | |
| 建筑（节能计算）体积 | 64259.13 | |
| 建筑（节能计算）外表面积 | 8751.52 | |
| 北向角度 | 90 | |
| 结构类型 | 框架剪力墙结构 | |
| 外墙太阳辐射吸收系数 | 0.75 | |
| 屋顶太阳辐射吸收系数 | 0.75 | |

# 设计依据

1. 《公共建筑节能设计标准》(GB50189-2015)

2. 《民用建筑热工设计规范》(GB50176)

3. 《建筑外门窗气密，水密，抗风压性能分级及检测方法》（GB/T 7106-2008）

4. 《建筑幕墙》（GB/T 21086-2007）

# 建筑大样



立面图例



1层平面



2层平面



3~6层平面



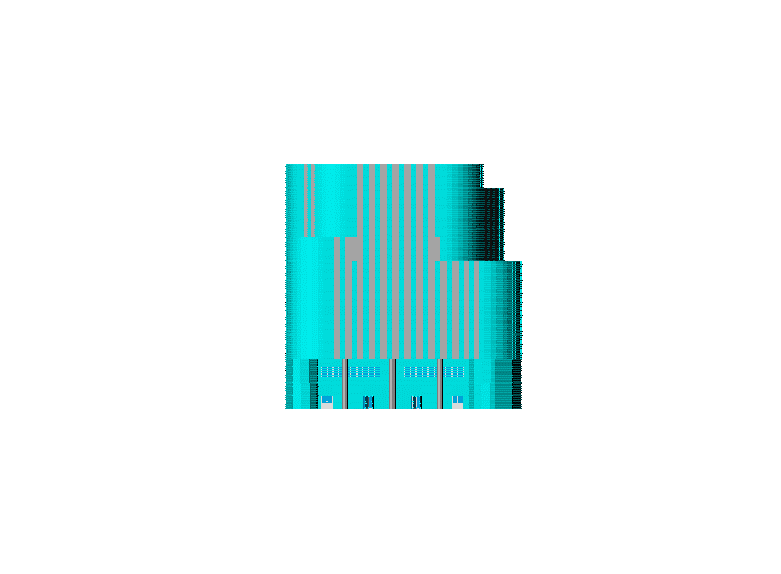
7层平面



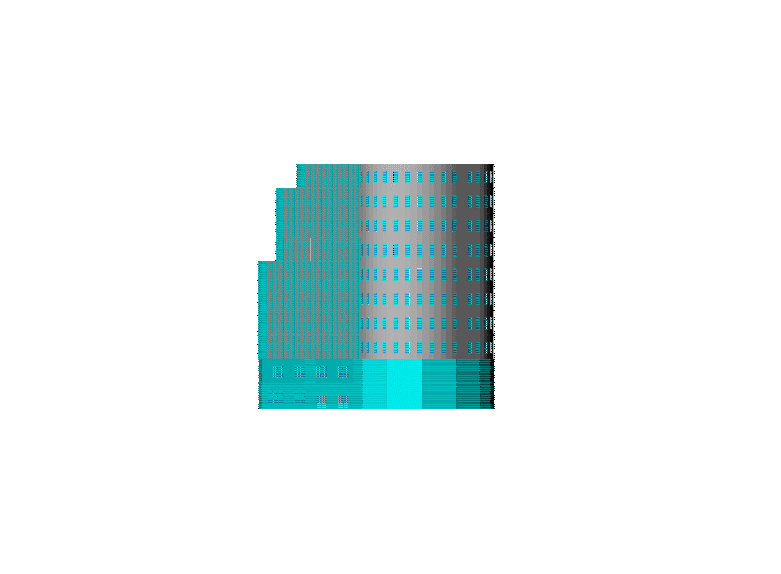
8~9层平面



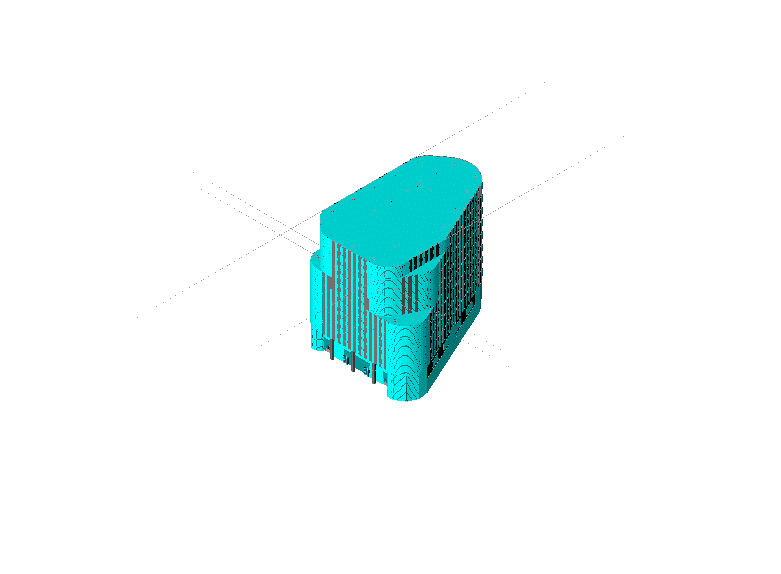
10层平面



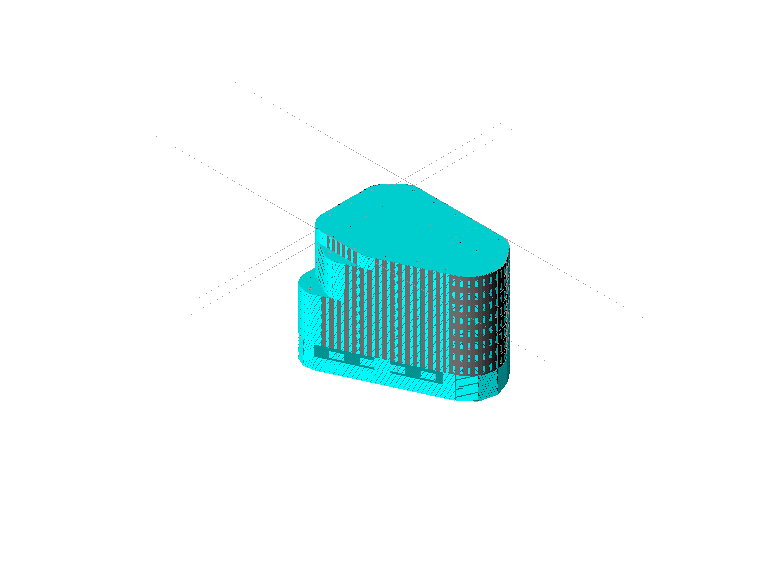
左视图



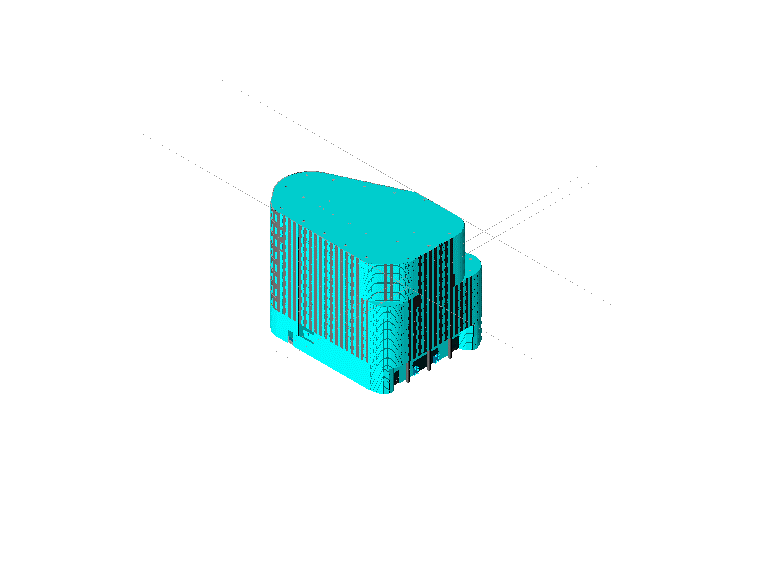
右视图



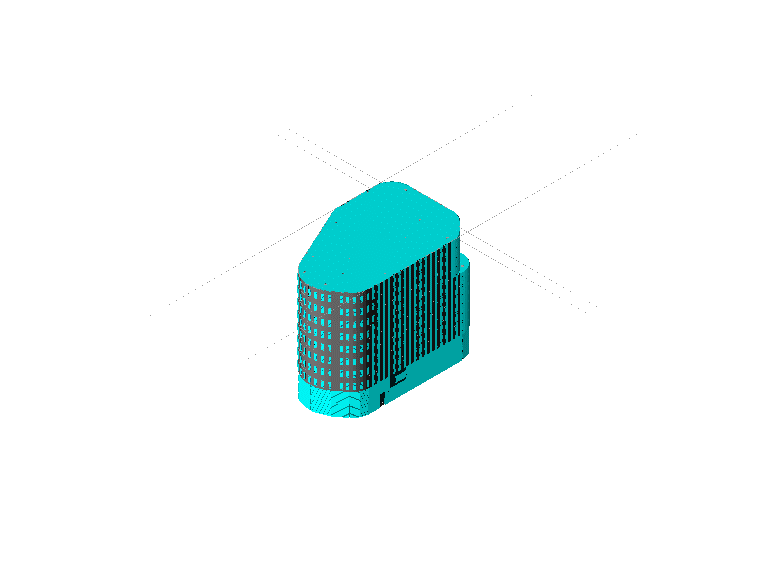
西南轴侧图



东南轴侧图



西北轴侧图



东北轴侧图

# 规定性指标检查

## 工程材料

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 | 导热系数λ | 蓄热系数S | 密度ρ | 比热容Cp | 蒸汽渗透系数u | 备注 |
| W/(m.K) | W/(㎡.K) | kg/m3 | J/(kg.K) | g/(m.h.kPa) |
| 水泥砂浆 | 0.930 | 11.370 | 1800.0 | 1050.0 | 0.0210 | 来源：《民用建筑热工设计规范》GB50176-2016 |
| 石灰砂浆 | 0.810 | 10.070 | 1600.0 | 1050.0 | 0.0443 | 来源：《民用建筑热工设计规范》GB50176-2016 |
| 钢筋混凝土 | 1.740 | 17.200 | 2500.0 | 920.0 | 0.0158 | 来源：《民用建筑热工设计规范》GB50176-2016 |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 0.030 | 0.340 | 35.0 | 1380.0 | 0.0000 | 来源：《民用建筑热工设计规范》GB50176-2016，蒸汽渗透系数没有给出 |
| 混凝土多孔砖(190六孔砖） | 0.750 | 7.490 | 1450.0 | 709.4 | 0.0000 |  |
| 聚苯颗粒保温砂浆 | 0.060 | 0.950 | 230.0 | 900.0 | 0.0000 |  |
| 聚乙烯泡沫塑料 | 0.047 | 0.700 | 100.0 | 1380.0 | 0.0000 |  |
| SBS改性沥青防水卷材 | 0.230 | 9.370 | 900.0 | 1620.0 | 0.0000 |  |
| 硬质聚氨酯发泡 | 0.024 | 0.360 | 35.0 | 1050.0 | 0.0000 | 密度：35~55（kg/m3）（0.033）【部位：屋面保温；K修正α=1.30;影响：环境、温度影响】 |
| 加气混凝土砌块 | 0.220 | 3.601 | 700.0 | 1158.0 | 0.0000 |  |
| 岩棉板 | 0.040 | 0.750 | 140.0 | 920.0 | 0.0000 | 密度：140~160（kg/m3）【部位：外墙外保温、幕墙保温；K修正α=1.20;影响：吸湿】 |
| 蒸压加气混凝土砌块 | 0.140 | 2.256 | 500.0 | 999.8 | 0.0000 | 依据来源：GB11968-2006，导热系数修正系数（β）：1.25 |
| 聚乙烯泡沫塑料（1） | 0.047 | 0.687 | 100.0 | 1380.0 | 0.0000 |  |
| 混合砂浆 | 0.870 | 10.750 | 1700.0 | 1074.4 | 0.0000 |  |
| 现浇钢筋混凝土 | 1.740 | 17.060 | 2500.0 | 920.0 | 0.0000 | 用于屋面、墙体的修正系数=1.00 |
| 抗裂砂浆 | 0.930 | 10.000 | 1800.0 | 1000.0 | 0.0000 |  |
| 岩棉带 | 0.048 | 0.750 | 100.0 | 1050.0 | 0.0000 | 密度：≥100（kg/m3）【部位：屋面保温；K修正α=1.25;影响：吸湿、压缩】 |
| 高炉炉渣 | 0.260 | 3.920 | 900.0 | 920.0 | 0.2030 |  |
| 挤塑聚苯板 | 0.032 | 0.320 | 22.0 | 1050.0 | 0.0000 | 密度：22~35（kg/m3）【部位：外墙外保温；K修正α=1.10;影响：尺寸误差、性能衰减】 |
| 挤塑型聚苯板(xps)0.030\*1.1 | 0.033 | 0.514 | 100.0 | 1100.0 | 0.0000 |  |
| 灰砂加气混泥土 | 0.138 | 2.149 | 500.0 | 920.0 | 0.0000 |  |
| 轻质粘土 | 0.470 | 6.360 | 1200.0 | 1010.0 | 0.0000 |  |

## 围护结构作法简要说明

**1. 屋顶：**屋顶构造一：（由上到下）

水泥砂浆 20mm＋聚乙烯泡沫塑料 100mm＋SBS改性沥青防水卷材 4mm＋硬质聚氨酯发泡 1mm＋水泥砂浆 20mm＋加气混凝土砌块 140mm＋钢筋混凝土 30mm

**2. 屋顶防火隔离带：**屋顶防火隔离带构造一：（由上到下）

水泥砂浆 20mm＋岩棉带 200mm＋高炉炉渣 100mm＋水泥砂浆 20mm＋钢筋混凝土 200mm＋石灰砂浆 20mm

**3. 外墙：**外墙构造一：（由外到内）

混合砂浆 20mm＋岩棉板 100mm＋蒸压加气混凝土砌块 200mm＋聚乙烯泡沫塑料（1） 40mm＋混合砂浆 20mm

**4. 外墙防火隔离带：**外墙防火隔离带构造一：

水泥砂浆 40mm＋挤塑聚苯板 60mm＋钢筋混凝土 200mm＋混合砂浆 20mm

**5. 挑空楼板构造：**挑空楼板构造一：（由上到下）

现浇钢筋混凝土 170mm＋水泥砂浆 20mm＋挤塑聚苯乙烯泡沫塑料（带表皮） 80mm＋抗裂砂浆 6mm＋水泥砂浆 20mm

**6. 幕墙：**a.80岩棉：

传热系数0.561W/m^2.K，太阳得热系数0.870

**7. 外窗：**平均+铝合金窗框+Low-E中空玻璃(在线)+氩气层厚12mm：

传热系数0.968W/m^2.K，太阳得热系数0.261

**8. 周边地面构造：**周边地面构造一：

水泥砂浆 20mm＋钢筋混凝土 30mm＋挤塑型聚苯板(xps)0.030\*1.1 20mm＋钢筋混凝土 60mm＋灰砂加气混泥土 150mm＋轻质粘土 20mm

## 体形系数

|  |  |
| --- | --- |
| 外表面积 | 8751.52 |
| 建筑体积 | 64259.13 |
| 体形系数 | 0.14 |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.2.1条 |
| 标准要求 | 严寒和寒冷地区体形系数应符合表3.2.1的规定(s≤0.40) |
| 结论 | 满足 |

## 窗墙比

### 窗墙比

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 窗面积(㎡) | 墙面积(㎡) | 窗墙比 | 限值 | 结论 |
| 南向 | 南-默认立面 | 1284.96 | 2175.35 | 0.59 | 0.70 | 适宜 |
| 北向 | 北-默认立面 | 1395.05 | 2479.20 | 0.56 | 0.70 | 适宜 |
| 东向 | 东-默认立面 | 275.90 | 762.47 | 0.36 | 0.70 | 适宜 |
| 西向 | 西-默认立面 | 1028.12 | 1466.68 | 0.70 | 0.70 | 适宜 |
| 标准依据 | | 《公共建筑节能设计标准》(GB50189-2015)第3.2.2条 | | | | |
| 标准要求 | | 寒冷地区甲类公共建筑各单一立面窗墙面积比 (包括透光幕墙 )均不宜大于0.70 | | | | |
| 结论 | | 适宜 | | | | |

### 外窗表

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 编号 | 尺寸 | 楼层 | 数量 | 单个面积 （㎡） | 合计面积 （㎡） |
| 南向 | 南-默认立面 1284.96 |  | 2.43×4.50 | 1 | 1 | 10.95 | 10.95 |
|  | 2.10×0.93 | 1 | 2 | 1.95 | 3.91 |
|  | 2.10×1.47 | 1 | 2 | 3.09 | 6.17 |
|  | 0.22×4.50 | 1 | 1 | 0.98 | 0.98 |
|  | 4.86×4.50 | 1 | 1 | 21.85 | 21.85 |
|  | 2.00×2.20 | 1 | 4 | 4.40 | 17.60 |
|  | 0.30×4.50 | 1 | 1 | 1.37 | 1.37 |
|  | 4.92×4.50 | 1 | 1 | 22.15 | 22.15 |
|  | 0.30×4.50 | 1 | 1 | 1.35 | 1.35 |
|  | 6.16×4.50 | 1 | 1 | 27.71 | 27.71 |
|  | 2.42×4.50 | 1 | 1 | 10.89 | 10.89 |
|  | 2.10×0.93 | 1 | 3 | 1.95 | 5.86 |
|  | 2.10×1.47 | 1 | 3 | 3.09 | 9.26 |
|  | 0.19×4.50 | 1 | 1 | 0.86 | 0.86 |
|  | 0.22×4.50 | 1 | 1 | 0.99 | 0.99 |
|  | 2.39×4.50 | 1 | 1 | 10.76 | 10.76 |
|  | 3.67×4.50 | 1 | 1 | 16.51 | 16.51 |
|  | 3.68×4.50 | 1 | 1 | 16.58 | 16.58 |
|  | 0.61×4.50 | 1 | 1 | 2.77 | 2.77 |
|  | 3.57×4.30 | 2 | 1 | 15.35 | 15.35 |
|  | 2.35×4.30 | 2 | 1 | 10.11 | 10.11 |
|  | 2.20×0.93 | 2 | 8 | 2.05 | 16.37 |
|  | 2.20×1.20 | 2 | 8 | 2.64 | 21.12 |
|  | 0.10×4.30 | 2 | 1 | 0.42 | 0.42 |
|  | 4.73×4.30 | 2 | 1 | 20.32 | 20.32 |
|  | 0.10×4.30 | 2 | 1 | 0.43 | 0.43 |
|  | 4.73×4.30 | 2 | 1 | 20.33 | 20.33 |
|  | 0.11×4.30 | 2 | 1 | 0.46 | 0.46 |
|  | 4.72×4.30 | 2 | 1 | 20.29 | 20.29 |
|  | 0.11×4.30 | 2 | 1 | 0.49 | 0.49 |
|  | 4.63×4.30 | 2 | 1 | 19.90 | 19.90 |
|  | 0.57×4.30 | 2 | 1 | 2.45 | 2.45 |
|  | 3.66×4.30 | 2 | 1 | 15.75 | 15.75 |
|  | 0.09×4.30 | 2 | 1 | 0.37 | 0.37 |
|  | 3.68×4.30 | 2 | 1 | 15.83 | 15.83 |
|  | 1.25×4.30 | 3 | 1 | 5.36 | 5.36 |
|  | 0.92×4.30 | 3~6 | 4 | 3.94 | 15.77 |
|  | 1.25×4.30 | 3 | 1 | 5.36 | 5.36 |
|  | 0.92×4.30 | 3 | 1 | 3.94 | 3.94 |
|  | 1.25×4.30 | 3 | 1 | 5.36 | 5.36 |
|  | 0.91×4.30 | 3 | 1 | 3.92 | 3.92 |
|  | 2.30×4.30 | 3 | 1 | 9.87 | 9.87 |
|  | 0.90×4.30 | 3~5,8~9 | 19 | 3.87 | 73.53 |
|  | 0.90×4.30 | 3~8,10 | 63 | 3.87 | 243.81 |
|  | 0.90×4.30 | 3~5,8~9 | 11 | 3.87 | 42.57 |
|  | 0.90×4.30 | 3~8,10 | 20 | 3.87 | 77.40 |
|  | 0.90×4.30 | 3,9 | 3 | 3.87 | 11.61 |
|  | 0.90×4.30 | 3,9 | 2 | 3.87 | 7.74 |
|  | 1.25×4.30 | 4~6 | 3 | 5.36 | 16.07 |
|  | 1.25×4.30 | 4~6 | 3 | 5.36 | 16.07 |
|  | 0.92×4.30 | 4~5 | 2 | 3.94 | 7.88 |
|  | 1.25×4.30 | 4~5 | 2 | 5.36 | 10.71 |
|  | 0.91×4.30 | 4~6 | 3 | 3.92 | 11.76 |
|  | 2.30×4.30 | 4~6 | 3 | 9.87 | 29.62 |
|  | 0.92×4.30 | 6 | 1 | 3.94 | 3.94 |
|  | 1.25×4.30 | 6 | 1 | 5.36 | 5.36 |
|  | 1.94×4.30 | 7 | 1 | 8.36 | 8.36 |
|  | 0.90×4.30 | 7~8 | 3 | 3.87 | 11.61 |
|  | 0.90×4.30 | 7 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 7 | 1 | 3.85 | 3.85 |
|  | 1.07×4.30 | 7 | 1 | 4.60 | 4.60 |
|  | 0.92×4.30 | 7 | 1 | 3.93 | 3.93 |
|  | 1.07×4.30 | 7 | 1 | 4.58 | 4.58 |
|  | 0.93×4.30 | 7 | 1 | 4.00 | 4.00 |
|  | 1.05×4.30 | 7 | 1 | 4.52 | 4.52 |
|  | 0.92×4.30 | 7 | 1 | 3.95 | 3.95 |
|  | 1.68×4.30 | 7 | 1 | 7.22 | 7.22 |
|  | 1.92×4.30 | 8 | 1 | 8.28 | 8.28 |
|  | 0.89×4.30 | 8 | 1 | 3.82 | 3.82 |
|  | 1.09×4.30 | 8 | 1 | 4.70 | 4.70 |
|  | 0.91×4.30 | 8 | 1 | 3.93 | 3.93 |
|  | 1.05×4.30 | 8 | 1 | 4.52 | 4.52 |
|  | 0.93×4.30 | 8 | 1 | 4.00 | 4.00 |
|  | 1.05×4.30 | 8 | 1 | 4.52 | 4.52 |
|  | 0.91×4.30 | 8~9 | 2 | 3.92 | 7.84 |
|  | 2.00×4.30 | 8 | 1 | 8.59 | 8.59 |
|  | 1.92×4.30 | 9 | 1 | 8.28 | 8.28 |
|  | 0.90×4.30 | 9 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 9 | 1 | 3.87 | 3.87 |
|  | 0.89×4.30 | 9 | 1 | 3.82 | 3.82 |
|  | 1.09×4.30 | 9 | 1 | 4.70 | 4.70 |
|  | 0.91×4.30 | 9 | 1 | 3.93 | 3.93 |
|  | 1.05×4.30 | 9 | 1 | 4.52 | 4.52 |
|  | 0.93×4.30 | 9 | 1 | 4.00 | 4.00 |
|  | 1.05×4.30 | 9 | 1 | 4.52 | 4.52 |
|  | 2.00×4.30 | 9 | 1 | 8.59 | 8.59 |
|  | 1.44×4.30 | 10 | 1 | 6.19 | 6.19 |
|  | 0.28×4.30 | 10 | 1 | 1.20 | 1.20 |
|  | 0.19×4.30 | 10 | 1 | 0.81 | 0.81 |
|  | 0.66×4.30 | 10 | 1 | 2.85 | 2.85 |
|  | 0.92×4.30 | 10 | 1 | 3.95 | 3.95 |
|  | 0.68×4.30 | 10 | 1 | 2.94 | 2.94 |
|  | 0.91×4.30 | 10 | 1 | 3.91 | 3.91 |
|  | 1.89×4.30 | 10 | 1 | 8.14 | 8.14 |
|  | 0.90×4.30 | 10 | 1 | 3.88 | 3.88 |
|  | 0.90×4.30 | 10 | 2 | 3.87 | 7.74 |
|  | 0.89×4.30 | 10 | 1 | 3.85 | 3.85 |
|  | 0.95×4.30 | 10 | 1 | 4.09 | 4.09 |
|  | 0.97×4.30 | 10 | 1 | 4.15 | 4.15 |
|  | 1.09×4.30 | 10 | 1 | 4.69 | 4.69 |
|  | 1.91×4.30 | 10 | 1 | 8.21 | 8.21 |
|  | 0.90×4.30 | 10 | 2 | 3.87 | 7.74 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 6~7,9 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 10 | 1 | 1.68 | 1.68 |
| C2121 | 2.10×2.10 | 1 | 5 | 4.41 | 22.05 |
| C2222 | 2.20×2.17 | 2 | 8 | 4.77 | 38.19 |
| 北向 | 北-默认立面 1395.05 |  | 4.17×4.50 | 1 | 1 | 18.77 | 18.77 |
|  | 0.90×4.50 | 1 | 1 | 4.06 | 4.06 |
|  | 1.80×0.93 | 1 | 1 | 1.67 | 1.67 |
|  | 1.80×1.47 | 1 | 1 | 2.65 | 2.65 |
|  | 0.07×4.50 | 1 | 1 | 0.29 | 0.29 |
|  | 2.31×4.50 | 1 | 1 | 10.39 | 10.39 |
|  | 1.80×0.93 | 1 | 2 | 1.67 | 3.35 |
|  | 1.80×1.47 | 1 | 2 | 2.65 | 5.29 |
|  | 0.30×4.50 | 1 | 1 | 1.34 | 1.34 |
|  | 6.01×4.50 | 1 | 1 | 27.05 | 27.05 |
|  | 2.14×4.50 | 1 | 1 | 9.63 | 9.63 |
|  | 2.00×2.20 | 1 | 2 | 4.40 | 8.80 |
|  | 0.11×4.50 | 1 | 1 | 0.49 | 0.49 |
|  | 3.62×4.50 | 1 | 1 | 16.27 | 16.27 |
|  | 4.73×4.50 | 1 | 1 | 21.29 | 21.29 |
|  | 2.00×2.20 | 1 | 1 | 4.40 | 4.40 |
|  | 0.06×4.50 | 1 | 1 | 0.27 | 0.27 |
|  | 2.10×4.50 | 1 | 1 | 9.45 | 9.45 |
|  | 2.58×4.50 | 1 | 1 | 11.59 | 11.59 |
|  | 2.93×4.50 | 1 | 1 | 13.19 | 13.19 |
|  | 5.18×4.50 | 1 | 1 | 23.31 | 23.31 |
|  | 1.63×4.50 | 1 | 1 | 7.35 | 7.35 |
|  | 2.32×4.50 | 1 | 1 | 10.44 | 10.44 |
|  | 1.68×4.50 | 1 | 1 | 7.57 | 7.57 |
|  | 3.94×4.50 | 1 | 1 | 17.73 | 17.73 |
|  | 1.55×4.30 | 2 | 1 | 6.68 | 6.68 |
|  | 0.03×4.30 | 2 | 1 | 0.12 | 0.12 |
|  | 2.05×0.93 | 2 | 2 | 1.91 | 3.81 |
|  | 2.05×1.20 | 2 | 2 | 2.46 | 4.92 |
|  | 0.08×4.30 | 2 | 1 | 0.34 | 0.34 |
|  | 2.20×4.30 | 2 | 1 | 9.47 | 9.47 |
|  | 2.10×4.30 | 2 | 1 | 9.03 | 9.03 |
|  | 6.33×4.30 | 2 | 1 | 27.20 | 27.20 |
|  | 2.05×0.93 | 2 | 2 | 1.91 | 3.81 |
|  | 2.05×1.20 | 2 | 2 | 2.46 | 4.92 |
|  | 0.07×4.30 | 2 | 1 | 0.28 | 0.28 |
|  | 2.11×4.30 | 2 | 1 | 9.07 | 9.07 |
|  | 4.20×4.30 | 2 | 1 | 18.06 | 18.06 |
|  | 4.03×4.30 | 2 | 1 | 17.34 | 17.34 |
|  | 2.05×0.93 | 2 | 2 | 1.91 | 3.81 |
|  | 2.05×1.20 | 2 | 2 | 2.46 | 4.92 |
|  | 0.04×4.30 | 2 | 1 | 0.16 | 0.16 |
|  | 2.13×4.30 | 2 | 1 | 9.16 | 9.16 |
|  | 2.31×4.30 | 2 | 1 | 9.93 | 9.93 |
|  | 1.95×4.30 | 2 | 1 | 8.38 | 8.38 |
|  | 5.11×4.30 | 2 | 1 | 21.97 | 21.97 |
|  | 3.00×4.30 | 2 | 1 | 12.89 | 12.89 |
|  | 2.93×4.30 | 2 | 1 | 12.58 | 12.58 |
|  | 1.88×4.30 | 2 | 1 | 8.10 | 8.10 |
|  | 3.95×4.30 | 2 | 1 | 17.00 | 17.00 |
|  | 0.90×4.30 | 3,9 | 12 | 3.87 | 46.44 |
|  | 0.90×4.30 | 3 | 1 | 3.87 | 3.87 |
|  | 1.14×4.30 | 3 | 1 | 4.92 | 4.92 |
|  | 0.90×4.30 | 3,6 | 2 | 3.87 | 7.74 |
|  | 1.14×4.30 | 3 | 1 | 4.90 | 4.90 |
|  | 0.90×4.30 | 3,6 | 2 | 3.87 | 7.74 |
|  | 1.12×4.30 | 3 | 1 | 4.83 | 4.83 |
|  | 0.92×4.30 | 3,6 | 2 | 3.94 | 7.88 |
|  | 1.12×4.30 | 3 | 1 | 4.83 | 4.83 |
|  | 0.89×4.30 | 3 | 1 | 3.84 | 3.84 |
|  | 0.90×4.30 | 3,9 | 13 | 3.87 | 50.31 |
|  | 0.80×4.30 | 3,9 | 2 | 3.44 | 6.88 |
|  | 0.90×4.30 | 3 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 3 | 1 | 3.85 | 3.85 |
|  | 0.90×4.30 | 4~8 | 30 | 3.87 | 116.10 |
|  | 0.90×4.30 | 4~7 | 5 | 3.87 | 19.35 |
|  | 1.14×4.30 | 4~6 | 3 | 4.92 | 14.77 |
|  | 0.90×4.30 | 4~5 | 2 | 3.87 | 7.74 |
|  | 1.14×4.30 | 4~6 | 3 | 4.90 | 14.70 |
|  | 0.90×4.30 | 4~5 | 2 | 3.87 | 7.74 |
|  | 1.12×4.30 | 4~6 | 3 | 4.83 | 14.50 |
|  | 0.92×4.30 | 4~5 | 2 | 3.94 | 7.88 |
|  | 1.12×4.30 | 4~6 | 3 | 4.83 | 14.50 |
|  | 0.89×4.30 | 4~6 | 3 | 3.84 | 11.52 |
|  | 0.90×4.30 | 4~8,10 | 42 | 3.87 | 162.54 |
|  | 0.80×4.30 | 4~8 | 5 | 3.44 | 17.20 |
|  | 0.90×4.30 | 4~6 | 3 | 3.85 | 11.55 |
|  | 0.90×4.30 | 7~8,10 | 3 | 3.87 | 11.61 |
|  | 1.13×4.30 | 7 | 1 | 4.86 | 4.86 |
|  | 0.90×4.30 | 7 | 1 | 3.87 | 3.87 |
|  | 1.14×4.30 | 7 | 1 | 4.90 | 4.90 |
|  | 0.90×4.30 | 7 | 1 | 3.87 | 3.87 |
|  | 1.16×4.30 | 7 | 1 | 4.97 | 4.97 |
|  | 0.84×4.30 | 7 | 1 | 3.59 | 3.59 |
|  | 1.17×4.30 | 7 | 1 | 5.04 | 5.04 |
|  | 0.90×4.30 | 7 | 1 | 3.85 | 3.85 |
|  | 0.78×4.30 | 8 | 1 | 3.36 | 3.36 |
|  | 0.89×4.30 | 8 | 1 | 3.84 | 3.84 |
|  | 0.79×4.30 | 8 | 1 | 3.39 | 3.39 |
|  | 0.94×4.30 | 8 | 1 | 4.03 | 4.03 |
|  | 0.89×4.30 | 8 | 1 | 3.81 | 3.81 |
|  | 0.80×4.30 | 8 | 1 | 3.46 | 3.46 |
|  | 1.79×4.30 | 8 | 1 | 7.70 | 7.70 |
|  | 0.90×4.30 | 8 | 1 | 3.87 | 3.87 |
|  | 0.91×4.30 | 8 | 1 | 3.91 | 3.91 |
|  | 0.78×4.30 | 8 | 1 | 3.34 | 3.34 |
|  | 0.91×4.30 | 8 | 1 | 3.93 | 3.93 |
|  | 0.90×4.30 | 8 | 1 | 3.88 | 3.88 |
|  | 0.78×4.30 | 9 | 1 | 3.36 | 3.36 |
|  | 0.89×4.30 | 9 | 1 | 3.84 | 3.84 |
|  | 0.79×4.30 | 9 | 1 | 3.39 | 3.39 |
|  | 0.94×4.30 | 9 | 1 | 4.03 | 4.03 |
|  | 0.89×4.30 | 9 | 1 | 3.81 | 3.81 |
|  | 0.80×4.30 | 9 | 1 | 3.46 | 3.46 |
|  | 1.79×4.30 | 9 | 1 | 7.70 | 7.70 |
|  | 0.90×4.30 | 9 | 1 | 3.87 | 3.87 |
|  | 0.91×4.30 | 9 | 1 | 3.91 | 3.91 |
|  | 0.78×4.30 | 9 | 1 | 3.34 | 3.34 |
|  | 0.91×4.30 | 9 | 1 | 3.93 | 3.93 |
|  | 0.90×4.30 | 9 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 9 | 1 | 3.88 | 3.88 |
|  | 1.80×4.30 | 10 | 1 | 7.73 | 7.73 |
|  | 0.90×4.30 | 10 | 1 | 3.87 | 3.87 |
|  | 0.91×4.30 | 10 | 1 | 3.91 | 3.91 |
|  | 0.80×4.30 | 10 | 1 | 3.44 | 3.44 |
|  | 0.81×4.30 | 10 | 1 | 3.48 | 3.48 |
|  | 0.89×4.30 | 10 | 1 | 3.81 | 3.81 |
|  | 0.81×4.30 | 10 | 1 | 3.47 | 3.47 |
|  | 0.92×4.30 | 10 | 1 | 3.96 | 3.96 |
|  | 0.78×4.30 | 10 | 1 | 3.36 | 3.36 |
|  | 0.90×4.30 | 10 | 1 | 3.89 | 3.89 |
|  | 0.89×4.30 | 10 | 1 | 3.83 | 3.83 |
|  | 0.06×4.30 | 10 | 1 | 0.28 | 0.28 |
|  | 0.80×0.93 | 10 | 1 | 0.74 | 0.74 |
|  | 0.80×1.27 | 10 | 1 | 1.02 | 1.02 |
|  | 0.04×4.30 | 10 | 1 | 0.15 | 0.15 |
|  | 0.90×4.30 | 10 | 5 | 3.87 | 19.35 |
|  | 0.80×4.30 | 10 | 1 | 3.44 | 3.44 |
|  | 0.89×4.30 | 10 | 2 | 3.85 | 7.69 |
|  | 0.89×4.30 | 10 | 1 | 3.83 | 3.83 |
| C0921 | 0.80×2.10 | 3~7,10 | 6 | 1.68 | 10.08 |
| C0921 | 0.80×2.10 | 3~5 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 6~7,9 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 6,9~10 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 6~7,9~10 | 7 | 1.68 | 11.76 |
| C0921 | 0.80×2.10 | 6~7,9~10 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 7 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 7 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 8 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 8 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 8 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 9 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 9 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 10 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 10 | 1 | 1.68 | 1.68 |
| C1821 | 1.80×2.10 | 1 | 1 | 3.78 | 3.78 |
| C1821 | 1.80×2.10 | 1 | 2 | 3.78 | 7.56 |
| C2021 | 2.05×2.17 | 2 | 6 | 4.45 | 26.69 |
| 东向 | 东-默认立面 275.90 |  | 3.92×4.50 | 1 | 1 | 17.65 | 17.65 |
|  | 2.45×4.50 | 1 | 1 | 11.01 | 11.01 |
|  | 6.38×4.50 | 1 | 1 | 28.73 | 28.73 |
|  | 6.37×4.50 | 1 | 1 | 28.65 | 28.65 |
|  | 3.93×4.30 | 2 | 1 | 16.88 | 16.88 |
|  | 6.39×4.30 | 2 | 1 | 27.48 | 27.48 |
|  | 6.35×4.30 | 2 | 1 | 27.30 | 27.30 |
|  | 2.48×4.30 | 2 | 1 | 10.67 | 10.67 |
| C0921 | 0.80×2.10 | 3~5 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 3~5 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 3~6,10 | 5 | 1.68 | 8.40 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 3~7,9 | 6 | 1.68 | 10.08 |
| C0921 | 0.80×2.10 | 3~5,8 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 6~7,9~10 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 6,9~10 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 6~7,9~10 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 6~7,9 | 3 | 1.68 | 5.04 |
| C0921 | 0.80×2.10 | 6~7,9~10 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 6~7,9~10 | 4 | 1.68 | 6.72 |
| C0921 | 0.80×2.10 | 7 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 7,9 | 2 | 1.68 | 3.36 |
| C0921 | 0.80×2.10 | 8 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 8 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 8 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 8 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 10 | 1 | 1.68 | 1.68 |
| C0921 | 0.80×2.10 | 10 | 1 | 1.68 | 1.68 |
| 西向 | 西-默认立面 1028.12 |  | 3.27×4.50 | 1 | 1 | 14.69 | 14.69 |
|  | 1.90×2.20 | 1 | 1 | 4.18 | 4.18 |
|  | 5.38×4.50 | 1 | 1 | 24.23 | 24.23 |
|  | 2.00×2.20 | 1 | 1 | 4.40 | 4.40 |
|  | 1.02×4.50 | 1 | 1 | 4.60 | 4.60 |
|  | 3.67×4.50 | 1 | 1 | 16.52 | 16.52 |
|  | 0.71×4.50 | 1 | 1 | 3.18 | 3.18 |
|  | 1.63×4.50 | 1 | 1 | 7.32 | 7.32 |
|  | 0.65×4.50 | 1 | 1 | 2.93 | 2.93 |
|  | 2.00×2.20 | 1 | 1 | 4.40 | 4.40 |
|  | 5.40×4.50 | 1 | 1 | 24.30 | 24.30 |
|  | 1.90×2.20 | 1 | 1 | 4.18 | 4.18 |
|  | 3.25×4.50 | 1 | 1 | 14.62 | 14.62 |
|  | 1.48×4.50 | 1 | 1 | 6.65 | 6.65 |
|  | 1.53×4.50 | 1 | 1 | 6.90 | 6.90 |
|  | 2.11×4.30 | 2 | 1 | 9.08 | 9.08 |
|  | 2.05×0.93 | 2 | 5 | 1.91 | 9.53 |
|  | 2.05×1.20 | 2 | 5 | 2.46 | 12.30 |
|  | 0.05×4.30 | 2 | 1 | 0.23 | 0.23 |
|  | 0.06×4.30 | 2 | 1 | 0.24 | 0.24 |
|  | 0.05×4.30 | 2 | 1 | 0.21 | 0.21 |
|  | 0.05×4.30 | 2 | 1 | 0.20 | 0.20 |
|  | 0.66×4.30 | 2 | 1 | 2.83 | 2.83 |
|  | 1.54×4.30 | 2 | 1 | 6.60 | 6.60 |
|  | 1.64×4.30 | 2 | 1 | 7.06 | 7.06 |
|  | 0.97×4.30 | 2 | 1 | 4.17 | 4.17 |
|  | 2.05×0.93 | 2 | 5 | 1.91 | 9.53 |
|  | 2.05×1.20 | 2 | 5 | 2.46 | 12.30 |
|  | 0.06×4.30 | 2 | 1 | 0.24 | 0.24 |
|  | 0.04×4.30 | 2 | 1 | 0.15 | 0.15 |
|  | 0.04×4.30 | 2 | 1 | 0.19 | 0.19 |
|  | 0.07×4.30 | 2 | 1 | 0.28 | 0.28 |
|  | 2.13×4.30 | 2 | 1 | 9.16 | 9.16 |
|  | 1.40×4.30 | 2 | 1 | 6.02 | 6.02 |
|  | 0.68×4.30 | 2 | 1 | 2.91 | 2.91 |
|  | 3.72×4.30 | 2 | 1 | 16.01 | 16.01 |
|  | 0.92×4.30 | 3 | 1 | 3.94 | 3.94 |
|  | 1.12×4.30 | 3~6 | 4 | 4.83 | 19.34 |
|  | 0.92×4.30 | 3 | 1 | 3.95 | 3.95 |
|  | 1.90×4.30 | 3 | 1 | 8.15 | 8.15 |
|  | 0.90×4.30 | 3,9 | 13 | 3.87 | 50.31 |
|  | 0.80×4.30 | 3 | 2 | 3.44 | 6.88 |
|  | 0.90×4.30 | 3 | 1 | 3.89 | 3.89 |
|  | 1.24×4.30 | 3 | 1 | 5.34 | 5.34 |
|  | 0.92×4.30 | 3 | 1 | 3.94 | 3.94 |
|  | 1.25×4.30 | 3 | 1 | 5.36 | 5.36 |
|  | 0.92×4.30 | 3 | 1 | 3.94 | 3.94 |
|  | 1.25×4.30 | 3 | 1 | 5.36 | 5.36 |
|  | 0.92×4.30 | 3 | 1 | 3.94 | 3.94 |
|  | 0.92×4.30 | 4~6 | 3 | 3.94 | 11.81 |
|  | 0.92×4.30 | 4~6 | 3 | 3.95 | 11.85 |
|  | 1.90×4.30 | 4~6 | 3 | 8.15 | 24.46 |
|  | 0.90×4.30 | 4~8,10 | 46 | 3.87 | 178.02 |
|  | 0.80×4.30 | 4~6 | 6 | 3.44 | 20.64 |
|  | 0.90×4.30 | 4~6 | 3 | 3.89 | 11.67 |
|  | 1.24×4.30 | 4~6 | 3 | 5.34 | 16.02 |
|  | 0.92×4.30 | 4~6 | 3 | 3.94 | 11.83 |
|  | 1.25×4.30 | 4~6 | 3 | 5.36 | 16.07 |
|  | 0.92×4.30 | 4~6 | 3 | 3.94 | 11.83 |
|  | 1.25×4.30 | 4~6 | 3 | 5.36 | 16.07 |
|  | 0.92×4.30 | 4~6 | 3 | 3.94 | 11.83 |
|  | 0.92×4.30 | 7 | 1 | 3.94 | 3.94 |
|  | 1.16×4.30 | 7 | 1 | 4.97 | 4.97 |
|  | 0.91×4.30 | 7 | 1 | 3.90 | 3.90 |
|  | 1.89×4.30 | 7 | 1 | 8.13 | 8.13 |
|  | 1.15×4.30 | 7 | 1 | 4.95 | 4.95 |
|  | 0.91×4.30 | 7 | 1 | 3.92 | 3.92 |
|  | 1.11×4.30 | 7 | 1 | 4.76 | 4.76 |
|  | 0.90×4.30 | 7 | 1 | 3.87 | 3.87 |
|  | 1.09×4.30 | 7 | 1 | 4.69 | 4.69 |
|  | 0.92×4.30 | 7 | 1 | 3.94 | 3.94 |
|  | 1.09×4.30 | 7 | 1 | 4.69 | 4.69 |
|  | 0.91×4.30 | 7 | 1 | 3.92 | 3.92 |
|  | 0.79×4.30 | 8 | 1 | 3.39 | 3.39 |
|  | 0.91×4.30 | 8 | 1 | 3.93 | 3.93 |
|  | 0.80×4.30 | 8 | 1 | 3.44 | 3.44 |
|  | 0.89×4.30 | 8 | 1 | 3.83 | 3.83 |
|  | 1.30×4.30 | 8 | 1 | 5.60 | 5.60 |
|  | 0.80×4.30 | 8 | 1 | 3.44 | 3.44 |
|  | 0.90×4.30 | 8 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 8 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 8 | 1 | 3.87 | 3.87 |
|  | 0.80×4.30 | 8 | 1 | 3.44 | 3.44 |
|  | 1.16×4.30 | 8 | 1 | 4.99 | 4.99 |
|  | 0.90×4.30 | 8 | 1 | 3.88 | 3.88 |
|  | 1.10×4.30 | 8 | 1 | 4.73 | 4.73 |
|  | 0.91×4.30 | 8 | 1 | 3.90 | 3.90 |
|  | 1.09×4.30 | 8 | 1 | 4.69 | 4.69 |
|  | 0.92×4.30 | 8 | 1 | 3.97 | 3.97 |
|  | 1.08×4.30 | 8 | 1 | 4.66 | 4.66 |
|  | 0.93×4.30 | 8 | 1 | 4.00 | 4.00 |
|  | 0.79×4.30 | 9 | 1 | 3.39 | 3.39 |
|  | 0.91×4.30 | 9 | 1 | 3.93 | 3.93 |
|  | 0.80×4.30 | 9 | 1 | 3.44 | 3.44 |
|  | 0.89×4.30 | 9 | 1 | 3.83 | 3.83 |
|  | 1.30×4.30 | 9 | 1 | 5.60 | 5.60 |
|  | 0.80×4.30 | 9 | 1 | 3.44 | 3.44 |
|  | 0.90×4.30 | 9 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 9 | 1 | 3.87 | 3.87 |
|  | 0.90×4.30 | 9 | 1 | 3.87 | 3.87 |
|  | 0.80×4.30 | 9 | 1 | 3.44 | 3.44 |
|  | 1.16×4.30 | 9 | 1 | 4.99 | 4.99 |
|  | 0.90×4.30 | 9 | 1 | 3.88 | 3.88 |
|  | 1.10×4.30 | 9 | 1 | 4.73 | 4.73 |
|  | 0.91×4.30 | 9 | 1 | 3.90 | 3.90 |
|  | 1.09×4.30 | 9 | 1 | 4.69 | 4.69 |
|  | 0.92×4.30 | 9 | 1 | 3.97 | 3.97 |
|  | 1.08×4.30 | 9 | 1 | 4.66 | 4.66 |
|  | 0.93×4.30 | 9 | 1 | 4.00 | 4.00 |
|  | 0.80×4.30 | 10 | 1 | 3.44 | 3.44 |
|  | 0.91×4.30 | 10 | 1 | 3.93 | 3.93 |
|  | 0.79×4.30 | 10 | 1 | 3.39 | 3.39 |
|  | 0.90×4.30 | 10 | 1 | 3.89 | 3.89 |
|  | 2.09×4.30 | 10 | 1 | 8.98 | 8.98 |
|  | 0.90×4.30 | 10 | 1 | 3.87 | 3.87 |
|  | 1.16×4.30 | 10 | 1 | 4.99 | 4.99 |
|  | 0.90×4.30 | 10 | 1 | 3.89 | 3.89 |
|  | 1.08×4.30 | 10 | 1 | 4.62 | 4.62 |
|  | 0.93×4.30 | 10 | 1 | 4.00 | 4.00 |
|  | 1.09×4.30 | 10 | 1 | 4.69 | 4.69 |
|  | 0.92×4.30 | 10 | 1 | 3.97 | 3.97 |
|  | 1.10×4.30 | 10 | 1 | 4.73 | 4.73 |
|  | 0.90×4.30 | 10 | 1 | 3.86 | 3.86 |
| C2021 | 2.05×2.17 | 2 | 5 | 4.45 | 22.24 |
| C2122 | 2.05×2.17 | 2 | 1 | 4.45 | 4.45 |
| C2122 | 2.05×2.17 | 2 | 1 | 4.45 | 4.45 |
| C2122 | 2.05×2.17 | 2 | 3 | 4.45 | 13.35 |

## 可见光透射比

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 窗墙比 | 最不利窗编号 | 最不利透射比 | 透射比限值 |
| 南向 | 南-默认立面 | 0.59 | C0921 | 0.80 | 0.40 |
| 北向 | 北-默认立面 | 0.56 | C0921 | 0.80 | 0.40 |
| 东向 | 东-默认立面 | 0.36 | C0921 | 0.80 | 0.60 |
| 西向 | 西-默认立面 | 0.70 | C2122 | 0.80 | 0.40 |
| 标准依据 | | 《公共建筑节能设计标准》(GB50189-2015)第3.2.4条 | | | |
| 标准要求 | | 当窗墙面积比小于0.40时，玻璃的可见光透射比不应当小于0.6;当窗墙面积比大于等于0.40时，玻璃的可见光透射比不应当小于0.4; | | | |
| 结论 | | 满足 | | | |

## 天窗

### 天窗屋顶比

本工程无此项内容

### 天窗类型

本工程无此项内容

## 屋顶构造

### 屋顶相关构造

#### 屋顶构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由上到下） | 厚度δ | 导热系数λ | 蓄热系数S | 修正系数 | 热阻R | 热惰性指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 聚乙烯泡沫塑料 | 100 | 0.047 | 0.700 | 1.00 | 2.128 | 1.489 |
| SBS改性沥青防水卷材 | 4 | 0.230 | 9.370 | 1.00 | 0.017 | 0.163 |
| 硬质聚氨酯发泡 | 1 | 0.024 | 0.360 | 1.20 | 0.035 | 0.015 |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 加气混凝土砌块 | 140 | 0.220 | 3.601 | 1.00 | 0.636 | 2.292 |
| 钢筋混凝土 | 30 | 1.740 | 17.200 | 1.00 | 0.017 | 0.297 |
| 各层之和∑ | 315 | － | － | － | 2.876 | 4.744 |
| 外表面太阳辐射吸收系数 | 0.75[默认] | | | | | |
| 传热系数K=1/(0.15+∑R) | 0.33 | | | | | |

#### 屋顶防火隔离带构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由上到下） | 厚度δ | 导热系数λ | 蓄热系数S | 修正系数 | 热阻R | 热惰性指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 岩棉带 | 200 | 0.048 | 0.750 | 1.20 | 3.472 | 3.125 |
| 高炉炉渣 | 100 | 0.260 | 3.920 | 1.00 | 0.385 | 1.508 |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 钢筋混凝土 | 200 | 1.740 | 17.200 | 1.00 | 0.115 | 1.977 |
| 石灰砂浆 | 20 | 0.810 | 10.070 | 1.00 | 0.025 | 0.249 |
| 各层之和∑ | 560 | － | － | － | 4.039 | 7.347 |
| 外表面太阳辐射吸收系数 | 0.75[默认] | | | | | |
| 传热系数K=1/(0.15+∑R) | 0.24 | | | | | |

### 屋顶平均热工特性

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 构造名称 | 面积(㎡) | 面积所占比例 | 传热系数K W / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 屋顶构造一 | 96.90 | 0.767 | 0.33 | 4.74 | 0.75 |
| 屋顶防火隔离带构造一 | 29.46 | 0.233 | 0.24 | 7.35 | 0.75 |
| 合计 | 126.36 | 1.000 | 0.31 | 5.35 | 0.75 |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.1条 | | | | |
| 标准要求 | K≤0.45,S≤0.30或K≤0.40,0.30<S≤0.50 | | | | |
| 结论 | 满足 | | | | |

## 外墙构造

### 外墙相关构造

#### 外墙构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由外到内） | 厚度δ | 导热系数λ | 蓄热系数S | 修正系数 | 热阻R | 热惰性指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 混合砂浆 | 20 | 0.870 | 10.750 | 1.00 | 0.023 | 0.247 |
| 岩棉板 | 100 | 0.040 | 0.750 | 1.20 | 2.083 | 1.875 |
| 蒸压加气混凝土砌块 | 200 | 0.140 | 2.256 | 1.25 | 1.143 | 3.223 |
| 聚乙烯泡沫塑料（1） | 40 | 0.047 | 0.687 | 1.10 | 0.774 | 0.585 |
| 混合砂浆 | 20 | 0.870 | 10.750 | 1.00 | 0.023 | 0.247 |
| 各层之和∑ | 380 | － | － | － | 4.046 | 6.177 |
| 外表面太阳辐射吸收系数 | 0.75[默认] | | | | | |
| 传热系数K=1/(0.15+∑R) | 0.24 | | | | | |

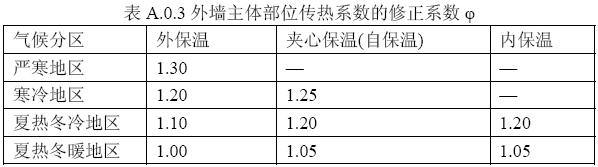
#### 外墙防火隔离带构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 | 厚度δ | 导热系数λ | 蓄热系数S | 修正系数 | 热阻R | 热惰性指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 水泥砂浆 | 40 | 0.930 | 11.370 | 1.00 | 0.043 | 0.489 |
| 挤塑聚苯板 | 60 | 0.032 | 0.320 | 1.20 | 1.563 | 0.600 |
| 钢筋混凝土 | 200 | 1.740 | 17.200 | 1.00 | 0.115 | 1.977 |
| 混合砂浆 | 20 | 0.870 | 10.750 | 1.00 | 0.023 | 0.247 |
| 各层之和∑ | 320 | － | － | － | 1.743 | 3.313 |
| 传热系数K=1/(0.15+∑R) | 0.53 | | | | | |

#### 热桥梁构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由外到内） | 厚度δ | 导热系数λ | 蓄热系数S | 修正系数 | 热阻R | 热惰性指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 20 | 0.030 | 0.340 | 1.20 | 0.556 | 0.227 |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 钢筋混凝土 | 200 | 1.740 | 17.200 | 1.00 | 0.115 | 1.977 |
| 石灰砂浆 | 20 | 0.810 | 10.070 | 1.00 | 0.025 | 0.249 |
| 各层之和∑ | 280 | － | － | － | 0.738 | 2.941 |
| 外表面太阳辐射吸收系数 | 0.75[默认] | | | | | |
| 传热系数K=1/(0.15+∑R) | 1.13 | | | | | |

### 外墙主断面传热系数的修正系数ψ



### 外墙平均热工特性

1.　南向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数K W / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 810.22 | 0.843 | 0.24 | 6.18 | 0.75 |
| 外墙防火隔离带构造一 | 隔离带 | 151.06 | 0.157 | 0.53 | 3.31 | 0.75 |
| 合计 |  | 961.27 | 1.000 | 0.28 | 5.73 | 0.75 |
| 考虑线性热桥后K | 0.28 × 1.20 = 0.34 | | | | | |

2.　北向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数K W / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 989.81 | 0.852 | 0.24 | 6.18 | 0.75 |
| 外墙防火隔离带构造一 | 隔离带 | 172.16 | 0.148 | 0.53 | 3.31 | 0.75 |
| 合计 |  | 1161.96 | 1.000 | 0.28 | 5.75 | 0.75 |
| 考虑线性热桥后K | 0.28 × 1.20 = 0.34 | | | | | |

3.　东向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数K W / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 445.12 | 0.894 | 0.24 | 6.18 | 0.75 |
| 外墙防火隔离带构造一 | 隔离带 | 52.93 | 0.106 | 0.53 | 3.31 | 0.75 |
| 合计 |  | 498.05 | 1.000 | 0.27 | 5.87 | 0.75 |
| 考虑线性热桥后K | 0.27 × 1.20 = 0.32 | | | | | |

4.　西向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数K W / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 391.27 | 0.793 | 0.24 | 6.18 | 0.75 |
| 外墙防火隔离带构造一 | 隔离带 | 101.83 | 0.207 | 0.53 | 3.31 | 0.75 |
| 合计 |  | 493.09 | 1.000 | 0.30 | 5.59 | 0.75 |
| 考虑线性热桥后K | 0.30 × 1.20 = 0.36 | | | | | |

5.　总体

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数K W / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 2636.41 | 0.847 | 0.24 | 6.18 | 0.75 |
| 外墙防火隔离带构造一 | 隔离带 | 477.97 | 0.153 | 0.53 | 3.31 | 0.75 |
| 合计 |  | 3114.38 | 1.000 | 0.28 | 5.74 | 0.75 |
| 考虑线性热桥后K | 0.28 × 1.20 = 0.34 | | | | | |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.1条 | | | | | |
| 标准要求 | K≤0.50,S≤0.30或K≤0.45,0.30<S≤0.50 | | | | | |
| 结论 | 满足 | | | | | |

## 挑空楼板构造

### 挑空楼板构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由上到下） | 厚度δ | 导热系数λ | 蓄热系数S | 修正系数 | 热阻R | 热惰性指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 现浇钢筋混凝土 | 170 | 1.740 | 17.060 | 1.00 | 0.098 | 1.667 |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 80 | 0.030 | 0.340 | 1.10 | 2.424 | 0.907 |
| 抗裂砂浆 | 6 | 0.930 | 10.000 | 1.10 | 0.006 | 0.065 |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 各层之和∑ | 296 | － | － | － | 2.571 | 3.127 |
| 传热系数K=1/(0.15+∑R) | 0.37 | | | | | |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.1条 | | | | | |
| 标准要求 | K≤0.50,S≤0.30或K≤0.45,0.30<S≤0.50 | | | | | |
| 结论 | 满足 | | | | | |

## 采暖与非采暖隔墙

本工程无此项内容

## 地下车库与供暖房间之间的楼板

本工程无此项内容

## 外窗热工

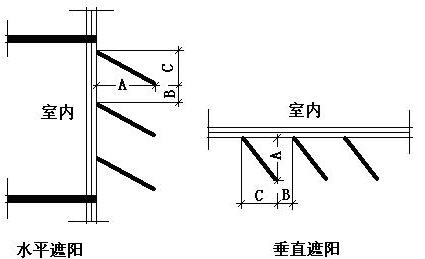
### 外窗构造

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 序号 | 构造名称 | 构造编号 | 传热系数 | 太阳得热系数 | 可见光透射比 | 备注 |
| 1 | a.80岩棉 | 65 | 0.56 | 0.87 | 1.000 |  |
| 2 | 平均+铝合金窗框+Low-E中空玻璃(在线)+氩气层厚12mm | 18 | 0.97 | 0.26 | 0.800 |  |

### 外遮阳类型

已启用环境遮阳

#### 百叶遮阳



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 编号 | 挑出 A (m) | 百叶间距 D (m) | 下垂 C (m) |
| 1 | 百叶遮阳0 | 0.200 | 0.400 | 0.200 |

### 平均传热系数

1. 南向：

南-默认立面

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 传热系数 |
| 1 |  | 1 | 1 | 10.949 | 10.949 | 65 | 0.561 |
| 2 |  | 1 | 2 | 1.953 | 3.906 | 65 | 0.561 |
| 3 |  | 1 | 2 | 3.087 | 6.174 | 65 | 0.561 |
| 4 |  | 1 | 1 | 0.977 | 0.977 | 65 | 0.561 |
| 5 |  | 1 | 1 | 21.848 | 21.848 | 65 | 0.561 |
| 6 |  | 1 | 4 | 4.400 | 17.600 | 65 | 0.561 |
| 7 |  | 1 | 1 | 1.368 | 1.368 | 65 | 0.561 |
| 8 |  | 1 | 1 | 22.149 | 22.149 | 65 | 0.561 |
| 9 |  | 1 | 1 | 1.355 | 1.355 | 65 | 0.561 |
| 10 |  | 1 | 1 | 27.711 | 27.711 | 65 | 0.561 |
| 11 |  | 1 | 1 | 10.886 | 10.886 | 65 | 0.561 |
| 12 |  | 1 | 3 | 1.953 | 5.859 | 65 | 0.561 |
| 13 |  | 1 | 3 | 3.087 | 9.261 | 65 | 0.561 |
| 14 |  | 1 | 1 | 0.864 | 0.864 | 65 | 0.561 |
| 15 |  | 1 | 1 | 0.995 | 0.995 | 65 | 0.561 |
| 16 |  | 1 | 1 | 10.764 | 10.764 | 65 | 0.561 |
| 17 |  | 1 | 1 | 16.510 | 16.510 | 65 | 0.561 |
| 18 |  | 1 | 1 | 16.582 | 16.582 | 65 | 0.561 |
| 19 |  | 1 | 1 | 2.766 | 2.766 | 65 | 0.561 |
| 20 |  | 2 | 1 | 15.348 | 15.348 | 65 | 0.561 |
| 21 |  | 2 | 1 | 10.109 | 10.109 | 65 | 0.561 |
| 22 |  | 2 | 8 | 2.046 | 16.368 | 65 | 0.561 |
| 23 |  | 2 | 8 | 2.640 | 21.120 | 65 | 0.561 |
| 24 |  | 2 | 1 | 0.421 | 0.421 | 65 | 0.561 |
| 25 |  | 2 | 1 | 20.318 | 20.318 | 65 | 0.561 |
| 26 |  | 2 | 1 | 0.430 | 0.430 | 65 | 0.561 |
| 27 |  | 2 | 1 | 20.335 | 20.335 | 65 | 0.561 |
| 28 |  | 2 | 1 | 0.456 | 0.456 | 65 | 0.561 |
| 29 |  | 2 | 1 | 20.287 | 20.287 | 65 | 0.561 |
| 30 |  | 2 | 1 | 0.486 | 0.486 | 65 | 0.561 |
| 31 |  | 2 | 1 | 19.905 | 19.905 | 65 | 0.561 |
| 32 |  | 2 | 1 | 2.453 | 2.453 | 65 | 0.561 |
| 33 |  | 2 | 1 | 15.747 | 15.747 | 65 | 0.561 |
| 34 |  | 2 | 1 | 0.369 | 0.369 | 65 | 0.561 |
| 35 |  | 2 | 1 | 15.833 | 15.833 | 65 | 0.561 |
| 36 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.561 |
| 37 |  | 3~6 | 4 | 3.942 | 15.767 | 65 | 0.561 |
| 38 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.561 |
| 39 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.561 |
| 40 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.561 |
| 41 |  | 3 | 1 | 3.921 | 3.921 | 65 | 0.561 |
| 42 |  | 3 | 1 | 9.875 | 9.875 | 65 | 0.561 |
| 43 |  | 3~5,8~9 | 19 | 3.870 | 73.530 | 65 | 0.561 |
| 44 |  | 3~8,10 | 63 | 3.870 | 243.810 | 65 | 0.561 |
| 45 |  | 3~5,8~9 | 11 | 3.870 | 42.570 | 65 | 0.561 |
| 46 |  | 3~8,10 | 20 | 3.870 | 77.400 | 65 | 0.561 |
| 47 |  | 3,9 | 3 | 3.870 | 11.610 | 65 | 0.561 |
| 48 |  | 3,9 | 2 | 3.870 | 7.740 | 65 | 0.561 |
| 49 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.561 |
| 50 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.561 |
| 51 |  | 4~5 | 2 | 3.942 | 7.884 | 65 | 0.561 |
| 52 |  | 4~5 | 2 | 5.357 | 10.713 | 65 | 0.561 |
| 53 |  | 4~6 | 3 | 3.921 | 11.763 | 65 | 0.561 |
| 54 |  | 4~6 | 3 | 9.875 | 29.624 | 65 | 0.561 |
| 55 |  | 6 | 1 | 3.942 | 3.942 | 65 | 0.561 |
| 56 |  | 6 | 1 | 5.357 | 5.357 | 65 | 0.561 |
| 57 |  | 7 | 1 | 8.355 | 8.355 | 65 | 0.561 |
| 58 |  | 7~8 | 3 | 3.870 | 11.610 | 65 | 0.561 |
| 59 |  | 7 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 60 |  | 7 | 1 | 3.853 | 3.853 | 65 | 0.561 |
| 61 |  | 7 | 1 | 4.602 | 4.602 | 65 | 0.561 |
| 62 |  | 7 | 1 | 3.935 | 3.935 | 65 | 0.561 |
| 63 |  | 7 | 1 | 4.580 | 4.580 | 65 | 0.561 |
| 64 |  | 7 | 1 | 4.000 | 4.000 | 65 | 0.561 |
| 65 |  | 7 | 1 | 4.519 | 4.519 | 65 | 0.561 |
| 66 |  | 7 | 1 | 3.948 | 3.948 | 65 | 0.561 |
| 67 |  | 7 | 1 | 7.217 | 7.217 | 65 | 0.561 |
| 68 |  | 8 | 1 | 8.277 | 8.277 | 65 | 0.561 |
| 69 |  | 8 | 1 | 3.821 | 3.821 | 65 | 0.561 |
| 70 |  | 8 | 1 | 4.698 | 4.698 | 65 | 0.561 |
| 71 |  | 8 | 1 | 3.930 | 3.930 | 65 | 0.561 |
| 72 |  | 8 | 1 | 4.519 | 4.519 | 65 | 0.561 |
| 73 |  | 8 | 1 | 3.998 | 3.998 | 65 | 0.561 |
| 74 |  | 8 | 1 | 4.519 | 4.519 | 65 | 0.561 |
| 75 |  | 8~9 | 2 | 3.918 | 7.837 | 65 | 0.561 |
| 76 |  | 8 | 1 | 8.591 | 8.591 | 65 | 0.561 |
| 77 |  | 9 | 1 | 8.277 | 8.277 | 65 | 0.561 |
| 78 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 79 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 80 |  | 9 | 1 | 3.821 | 3.821 | 65 | 0.561 |
| 81 |  | 9 | 1 | 4.698 | 4.698 | 65 | 0.561 |
| 82 |  | 9 | 1 | 3.930 | 3.930 | 65 | 0.561 |
| 83 |  | 9 | 1 | 4.519 | 4.519 | 65 | 0.561 |
| 84 |  | 9 | 1 | 3.998 | 3.998 | 65 | 0.561 |
| 85 |  | 9 | 1 | 4.519 | 4.519 | 65 | 0.561 |
| 86 |  | 9 | 1 | 8.591 | 8.591 | 65 | 0.561 |
| 87 |  | 10 | 1 | 6.186 | 6.186 | 65 | 0.561 |
| 88 |  | 10 | 1 | 1.203 | 1.203 | 65 | 0.561 |
| 89 |  | 10 | 1 | 0.812 | 0.812 | 65 | 0.561 |
| 90 |  | 10 | 1 | 2.855 | 2.855 | 65 | 0.561 |
| 91 |  | 10 | 1 | 3.952 | 3.952 | 65 | 0.561 |
| 92 |  | 10 | 1 | 2.937 | 2.937 | 65 | 0.561 |
| 93 |  | 10 | 1 | 3.912 | 3.912 | 65 | 0.561 |
| 94 |  | 10 | 1 | 8.137 | 8.137 | 65 | 0.561 |
| 95 |  | 10 | 1 | 3.884 | 3.884 | 65 | 0.561 |
| 96 |  | 10 | 2 | 3.870 | 7.740 | 65 | 0.561 |
| 97 |  | 10 | 1 | 3.847 | 3.847 | 65 | 0.561 |
| 98 |  | 10 | 1 | 4.085 | 4.085 | 65 | 0.561 |
| 99 |  | 10 | 1 | 4.154 | 4.154 | 65 | 0.561 |
| 100 |  | 10 | 1 | 4.689 | 4.689 | 65 | 0.561 |
| 101 |  | 10 | 1 | 8.209 | 8.209 | 65 | 0.561 |
| 102 |  | 10 | 2 | 3.870 | 7.740 | 65 | 0.561 |
| 103 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 104 | C0921 | 6~7,9 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 105 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 106 | C2121 | 1 | 5 | 4.410 | 22.050 | 18 | 0.968 |
| 107 | C2222 | 2 | 8 | 4.774 | 38.192 | 18 | 0.968 |
| 立面总面积(㎡) | | | 1284.956 | 立面平均传热系数 | | | 0.584 |

2. 北向：

北-默认立面

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 传热系数 |
| 1 |  | 1 | 1 | 18.765 | 18.765 | 65 | 0.561 |
| 2 |  | 1 | 1 | 4.059 | 4.059 | 65 | 0.561 |
| 3 |  | 1 | 1 | 1.674 | 1.674 | 65 | 0.561 |
| 4 |  | 1 | 1 | 2.646 | 2.646 | 65 | 0.561 |
| 5 |  | 1 | 1 | 0.293 | 0.293 | 65 | 0.561 |
| 6 |  | 1 | 1 | 10.386 | 10.386 | 65 | 0.561 |
| 7 |  | 1 | 2 | 1.674 | 3.348 | 65 | 0.561 |
| 8 |  | 1 | 2 | 2.646 | 5.292 | 65 | 0.561 |
| 9 |  | 1 | 1 | 1.337 | 1.337 | 65 | 0.561 |
| 10 |  | 1 | 1 | 27.045 | 27.045 | 65 | 0.561 |
| 11 |  | 1 | 1 | 9.630 | 9.630 | 65 | 0.561 |
| 12 |  | 1 | 2 | 4.400 | 8.800 | 65 | 0.561 |
| 13 |  | 1 | 1 | 0.486 | 0.486 | 65 | 0.561 |
| 14 |  | 1 | 1 | 16.268 | 16.268 | 65 | 0.561 |
| 15 |  | 1 | 1 | 21.290 | 21.290 | 65 | 0.561 |
| 16 |  | 1 | 1 | 4.400 | 4.400 | 65 | 0.561 |
| 17 |  | 1 | 1 | 0.270 | 0.270 | 65 | 0.561 |
| 18 |  | 1 | 1 | 9.450 | 9.450 | 65 | 0.561 |
| 19 |  | 1 | 1 | 11.590 | 11.590 | 65 | 0.561 |
| 20 |  | 1 | 1 | 13.185 | 13.185 | 65 | 0.561 |
| 21 |  | 1 | 1 | 23.307 | 23.307 | 65 | 0.561 |
| 22 |  | 1 | 1 | 7.351 | 7.351 | 65 | 0.561 |
| 23 |  | 1 | 1 | 10.442 | 10.442 | 65 | 0.561 |
| 24 |  | 1 | 1 | 7.566 | 7.566 | 65 | 0.561 |
| 25 |  | 1 | 1 | 17.729 | 17.729 | 65 | 0.561 |
| 26 |  | 2 | 1 | 6.683 | 6.683 | 65 | 0.561 |
| 27 |  | 2 | 1 | 0.116 | 0.116 | 65 | 0.561 |
| 28 |  | 2 | 2 | 1.907 | 3.813 | 65 | 0.561 |
| 29 |  | 2 | 2 | 2.460 | 4.920 | 65 | 0.561 |
| 30 |  | 2 | 1 | 0.344 | 0.344 | 65 | 0.561 |
| 31 |  | 2 | 1 | 9.473 | 9.473 | 65 | 0.561 |
| 32 |  | 2 | 1 | 9.030 | 9.030 | 65 | 0.561 |
| 33 |  | 2 | 1 | 27.202 | 27.202 | 65 | 0.561 |
| 34 |  | 2 | 2 | 1.907 | 3.813 | 65 | 0.561 |
| 35 |  | 2 | 2 | 2.460 | 4.920 | 65 | 0.561 |
| 36 |  | 2 | 1 | 0.280 | 0.280 | 65 | 0.561 |
| 37 |  | 2 | 1 | 9.069 | 9.069 | 65 | 0.561 |
| 38 |  | 2 | 1 | 18.060 | 18.060 | 65 | 0.561 |
| 39 |  | 2 | 1 | 17.338 | 17.338 | 65 | 0.561 |
| 40 |  | 2 | 2 | 1.907 | 3.813 | 65 | 0.561 |
| 41 |  | 2 | 2 | 2.460 | 4.920 | 65 | 0.561 |
| 42 |  | 2 | 1 | 0.159 | 0.159 | 65 | 0.561 |
| 43 |  | 2 | 1 | 9.163 | 9.163 | 65 | 0.561 |
| 44 |  | 2 | 1 | 9.927 | 9.927 | 65 | 0.561 |
| 45 |  | 2 | 1 | 8.383 | 8.383 | 65 | 0.561 |
| 46 |  | 2 | 1 | 21.968 | 21.968 | 65 | 0.561 |
| 47 |  | 2 | 1 | 12.893 | 12.893 | 65 | 0.561 |
| 48 |  | 2 | 1 | 12.584 | 12.584 | 65 | 0.561 |
| 49 |  | 2 | 1 | 8.104 | 8.104 | 65 | 0.561 |
| 50 |  | 2 | 1 | 16.996 | 16.996 | 65 | 0.561 |
| 51 |  | 3,9 | 12 | 3.870 | 46.440 | 65 | 0.561 |
| 52 |  | 3 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 53 |  | 3 | 1 | 4.923 | 4.923 | 65 | 0.561 |
| 54 |  | 3,6 | 2 | 3.870 | 7.740 | 65 | 0.561 |
| 55 |  | 3 | 1 | 4.901 | 4.901 | 65 | 0.561 |
| 56 |  | 3,6 | 2 | 3.870 | 7.741 | 65 | 0.561 |
| 57 |  | 3 | 1 | 4.834 | 4.834 | 65 | 0.561 |
| 58 |  | 3,6 | 2 | 3.938 | 7.875 | 65 | 0.561 |
| 59 |  | 3 | 1 | 4.834 | 4.834 | 65 | 0.561 |
| 60 |  | 3 | 1 | 3.839 | 3.839 | 65 | 0.561 |
| 61 |  | 3,9 | 13 | 3.870 | 50.310 | 65 | 0.561 |
| 62 |  | 3,9 | 2 | 3.440 | 6.880 | 65 | 0.561 |
| 63 |  | 3 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 64 |  | 3 | 1 | 3.851 | 3.851 | 65 | 0.561 |
| 65 |  | 4~8 | 30 | 3.870 | 116.100 | 65 | 0.561 |
| 66 |  | 4~7 | 5 | 3.870 | 19.350 | 65 | 0.561 |
| 67 |  | 4~6 | 3 | 4.923 | 14.769 | 65 | 0.561 |
| 68 |  | 4~5 | 2 | 3.870 | 7.740 | 65 | 0.561 |
| 69 |  | 4~6 | 3 | 4.901 | 14.703 | 65 | 0.561 |
| 70 |  | 4~5 | 2 | 3.870 | 7.741 | 65 | 0.561 |
| 71 |  | 4~6 | 3 | 4.834 | 14.503 | 65 | 0.561 |
| 72 |  | 4~5 | 2 | 3.938 | 7.875 | 65 | 0.561 |
| 73 |  | 4~6 | 3 | 4.834 | 14.503 | 65 | 0.561 |
| 74 |  | 4~6 | 3 | 3.839 | 11.518 | 65 | 0.561 |
| 75 |  | 4~8,10 | 42 | 3.870 | 162.540 | 65 | 0.561 |
| 76 |  | 4~8 | 5 | 3.440 | 17.200 | 65 | 0.561 |
| 77 |  | 4~6 | 3 | 3.851 | 11.553 | 65 | 0.561 |
| 78 |  | 7~8,10 | 3 | 3.870 | 11.610 | 65 | 0.561 |
| 79 |  | 7 | 1 | 4.856 | 4.856 | 65 | 0.561 |
| 80 |  | 7 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 81 |  | 7 | 1 | 4.901 | 4.901 | 65 | 0.561 |
| 82 |  | 7 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 83 |  | 7 | 1 | 4.969 | 4.969 | 65 | 0.561 |
| 84 |  | 7 | 1 | 3.594 | 3.594 | 65 | 0.561 |
| 85 |  | 7 | 1 | 5.043 | 5.043 | 65 | 0.561 |
| 86 |  | 7 | 1 | 3.851 | 3.851 | 65 | 0.561 |
| 87 |  | 8 | 1 | 3.362 | 3.362 | 65 | 0.561 |
| 88 |  | 8 | 1 | 3.844 | 3.844 | 65 | 0.561 |
| 89 |  | 8 | 1 | 3.386 | 3.386 | 65 | 0.561 |
| 90 |  | 8 | 1 | 4.035 | 4.035 | 65 | 0.561 |
| 91 |  | 8 | 1 | 3.812 | 3.812 | 65 | 0.561 |
| 92 |  | 8 | 1 | 3.461 | 3.461 | 65 | 0.561 |
| 93 |  | 8 | 1 | 7.705 | 7.705 | 65 | 0.561 |
| 94 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 95 |  | 8 | 1 | 3.909 | 3.909 | 65 | 0.561 |
| 96 |  | 8 | 1 | 3.345 | 3.345 | 65 | 0.561 |
| 97 |  | 8 | 1 | 3.926 | 3.926 | 65 | 0.561 |
| 98 |  | 8 | 1 | 3.881 | 3.881 | 65 | 0.561 |
| 99 |  | 9 | 1 | 3.362 | 3.362 | 65 | 0.561 |
| 100 |  | 9 | 1 | 3.844 | 3.844 | 65 | 0.561 |
| 101 |  | 9 | 1 | 3.386 | 3.386 | 65 | 0.561 |
| 102 |  | 9 | 1 | 4.035 | 4.035 | 65 | 0.561 |
| 103 |  | 9 | 1 | 3.812 | 3.812 | 65 | 0.561 |
| 104 |  | 9 | 1 | 3.461 | 3.461 | 65 | 0.561 |
| 105 |  | 9 | 1 | 7.705 | 7.705 | 65 | 0.561 |
| 106 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 107 |  | 9 | 1 | 3.909 | 3.909 | 65 | 0.561 |
| 108 |  | 9 | 1 | 3.345 | 3.345 | 65 | 0.561 |
| 109 |  | 9 | 1 | 3.926 | 3.926 | 65 | 0.561 |
| 110 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 111 |  | 9 | 1 | 3.881 | 3.881 | 65 | 0.561 |
| 112 |  | 10 | 1 | 7.735 | 7.735 | 65 | 0.561 |
| 113 |  | 10 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 114 |  | 10 | 1 | 3.908 | 3.908 | 65 | 0.561 |
| 115 |  | 10 | 1 | 3.440 | 3.440 | 65 | 0.561 |
| 116 |  | 10 | 1 | 3.475 | 3.475 | 65 | 0.561 |
| 117 |  | 10 | 1 | 3.814 | 3.814 | 65 | 0.561 |
| 118 |  | 10 | 1 | 3.467 | 3.467 | 65 | 0.561 |
| 119 |  | 10 | 1 | 3.956 | 3.956 | 65 | 0.561 |
| 120 |  | 10 | 1 | 3.356 | 3.356 | 65 | 0.561 |
| 121 |  | 10 | 1 | 3.887 | 3.887 | 65 | 0.561 |
| 122 |  | 10 | 1 | 3.830 | 3.830 | 65 | 0.561 |
| 123 |  | 10 | 1 | 0.275 | 0.275 | 65 | 0.561 |
| 124 |  | 10 | 1 | 0.744 | 0.744 | 65 | 0.561 |
| 125 |  | 10 | 1 | 1.016 | 1.016 | 65 | 0.561 |
| 126 |  | 10 | 1 | 0.155 | 0.155 | 65 | 0.561 |
| 127 |  | 10 | 5 | 3.870 | 19.350 | 65 | 0.561 |
| 128 |  | 10 | 1 | 3.440 | 3.440 | 65 | 0.561 |
| 129 |  | 10 | 2 | 3.847 | 7.695 | 65 | 0.561 |
| 130 |  | 10 | 1 | 3.834 | 3.834 | 65 | 0.561 |
| 131 | C0921 | 3~7,10 | 6 | 1.680 | 10.080 | 18 | 0.968 |
| 132 | C0921 | 3~5 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 133 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 134 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 135 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 136 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 137 | C0921 | 6~7,9 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 138 | C0921 | 6,9~10 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 139 | C0921 | 6~7,9~10 | 7 | 1.680 | 11.760 | 18 | 0.968 |
| 140 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 141 | C0921 | 7 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 142 | C0921 | 7 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 143 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 144 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 145 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 146 | C0921 | 9 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 147 | C0921 | 9 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 148 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 149 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 150 | C1821 | 1 | 1 | 3.780 | 3.780 | 18 | 0.968 |
| 151 | C1821 | 1 | 2 | 3.780 | 7.560 | 18 | 0.968 |
| 152 | C2021 | 2 | 6 | 4.449 | 26.691 | 18 | 0.968 |
| 立面总面积(㎡) | | | 1395.047 | 立面平均传热系数 | | | 0.597 |

3. 东向：

东-默认立面

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 传热系数 |
| 1 |  | 1 | 1 | 17.655 | 17.655 | 65 | 0.561 |
| 2 |  | 1 | 1 | 11.005 | 11.005 | 65 | 0.561 |
| 3 |  | 1 | 1 | 28.726 | 28.726 | 65 | 0.561 |
| 4 |  | 1 | 1 | 28.654 | 28.654 | 65 | 0.561 |
| 5 |  | 2 | 1 | 16.884 | 16.884 | 65 | 0.561 |
| 6 |  | 2 | 1 | 27.482 | 27.482 | 65 | 0.561 |
| 7 |  | 2 | 1 | 27.302 | 27.302 | 65 | 0.561 |
| 8 |  | 2 | 1 | 10.673 | 10.673 | 65 | 0.561 |
| 9 | C0921 | 3~5 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 10 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 11 | C0921 | 3~5 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 12 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 13 | C0921 | 3~6,10 | 5 | 1.680 | 8.400 | 18 | 0.968 |
| 14 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 15 | C0921 | 3~7,9 | 6 | 1.680 | 10.080 | 18 | 0.968 |
| 16 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 17 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 18 | C0921 | 6,9~10 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 19 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 20 | C0921 | 6~7,9 | 3 | 1.680 | 5.040 | 18 | 0.968 |
| 21 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 22 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.968 |
| 23 | C0921 | 7 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 24 | C0921 | 7,9 | 2 | 1.680 | 3.360 | 18 | 0.968 |
| 25 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 26 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 27 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 28 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 29 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 30 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.968 |
| 立面总面积(㎡) | | | 275.901 | 立面平均传热系数 | | | 0.720 |

4. 西向：

西-默认立面

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 传热系数 |
| 1 |  | 1 | 1 | 14.693 | 14.693 | 65 | 0.561 |
| 2 |  | 1 | 1 | 4.180 | 4.180 | 65 | 0.561 |
| 3 |  | 1 | 1 | 24.228 | 24.228 | 65 | 0.561 |
| 4 |  | 1 | 1 | 4.400 | 4.400 | 65 | 0.561 |
| 5 |  | 1 | 1 | 4.599 | 4.599 | 65 | 0.561 |
| 6 |  | 1 | 1 | 16.522 | 16.522 | 65 | 0.561 |
| 7 |  | 1 | 1 | 3.182 | 3.182 | 65 | 0.561 |
| 8 |  | 1 | 1 | 7.318 | 7.318 | 65 | 0.561 |
| 9 |  | 1 | 1 | 2.934 | 2.934 | 65 | 0.561 |
| 10 |  | 1 | 1 | 4.400 | 4.400 | 65 | 0.561 |
| 11 |  | 1 | 1 | 24.300 | 24.300 | 65 | 0.561 |
| 12 |  | 1 | 1 | 4.180 | 4.180 | 65 | 0.561 |
| 13 |  | 1 | 1 | 14.621 | 14.621 | 65 | 0.561 |
| 14 |  | 1 | 1 | 6.655 | 6.655 | 65 | 0.561 |
| 15 |  | 1 | 1 | 6.900 | 6.900 | 65 | 0.561 |
| 16 |  | 2 | 1 | 9.077 | 9.077 | 65 | 0.561 |
| 17 |  | 2 | 5 | 1.907 | 9.533 | 65 | 0.561 |
| 18 |  | 2 | 5 | 2.460 | 12.300 | 65 | 0.561 |
| 19 |  | 2 | 1 | 0.228 | 0.228 | 65 | 0.561 |
| 20 |  | 2 | 1 | 0.237 | 0.237 | 65 | 0.561 |
| 21 |  | 2 | 1 | 0.206 | 0.206 | 65 | 0.561 |
| 22 |  | 2 | 1 | 0.198 | 0.198 | 65 | 0.561 |
| 23 |  | 2 | 1 | 2.829 | 2.829 | 65 | 0.561 |
| 24 |  | 2 | 1 | 6.602 | 6.602 | 65 | 0.561 |
| 25 |  | 2 | 1 | 7.055 | 7.055 | 65 | 0.561 |
| 26 |  | 2 | 1 | 4.171 | 4.171 | 65 | 0.561 |
| 27 |  | 2 | 5 | 1.907 | 9.533 | 65 | 0.561 |
| 28 |  | 2 | 5 | 2.460 | 12.300 | 65 | 0.561 |
| 29 |  | 2 | 1 | 0.237 | 0.237 | 65 | 0.561 |
| 30 |  | 2 | 1 | 0.151 | 0.151 | 65 | 0.561 |
| 31 |  | 2 | 1 | 0.189 | 0.189 | 65 | 0.561 |
| 32 |  | 2 | 1 | 0.280 | 0.280 | 65 | 0.561 |
| 33 |  | 2 | 1 | 9.159 | 9.159 | 65 | 0.561 |
| 34 |  | 2 | 1 | 6.021 | 6.021 | 65 | 0.561 |
| 35 |  | 2 | 1 | 2.905 | 2.905 | 65 | 0.561 |
| 36 |  | 2 | 1 | 16.007 | 16.007 | 65 | 0.561 |
| 37 |  | 3 | 1 | 3.938 | 3.938 | 65 | 0.561 |
| 38 |  | 3~6 | 4 | 4.834 | 19.336 | 65 | 0.561 |
| 39 |  | 3 | 1 | 3.949 | 3.949 | 65 | 0.561 |
| 40 |  | 3 | 1 | 8.155 | 8.155 | 65 | 0.561 |
| 41 |  | 3,9 | 13 | 3.870 | 50.310 | 65 | 0.561 |
| 42 |  | 3 | 2 | 3.440 | 6.880 | 65 | 0.561 |
| 43 |  | 3 | 1 | 3.891 | 3.891 | 65 | 0.561 |
| 44 |  | 3 | 1 | 5.341 | 5.341 | 65 | 0.561 |
| 45 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.561 |
| 46 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.561 |
| 47 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.561 |
| 48 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.561 |
| 49 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.561 |
| 50 |  | 4~6 | 3 | 3.938 | 11.813 | 65 | 0.561 |
| 51 |  | 4~6 | 3 | 3.949 | 11.848 | 65 | 0.561 |
| 52 |  | 4~6 | 3 | 8.155 | 24.465 | 65 | 0.561 |
| 53 |  | 4~8,10 | 46 | 3.870 | 178.020 | 65 | 0.561 |
| 54 |  | 4~6 | 6 | 3.440 | 20.640 | 65 | 0.561 |
| 55 |  | 4~6 | 3 | 3.891 | 11.672 | 65 | 0.561 |
| 56 |  | 4~6 | 3 | 5.341 | 16.024 | 65 | 0.561 |
| 57 |  | 4~6 | 3 | 3.942 | 11.825 | 65 | 0.561 |
| 58 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.561 |
| 59 |  | 4~6 | 3 | 3.942 | 11.825 | 65 | 0.561 |
| 60 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.561 |
| 61 |  | 4~6 | 3 | 3.942 | 11.825 | 65 | 0.561 |
| 62 |  | 7 | 1 | 3.936 | 3.936 | 65 | 0.561 |
| 63 |  | 7 | 1 | 4.967 | 4.967 | 65 | 0.561 |
| 64 |  | 7 | 1 | 3.904 | 3.904 | 65 | 0.561 |
| 65 |  | 7 | 1 | 8.132 | 8.132 | 65 | 0.561 |
| 66 |  | 7 | 1 | 4.950 | 4.950 | 65 | 0.561 |
| 67 |  | 7 | 1 | 3.921 | 3.921 | 65 | 0.561 |
| 68 |  | 7 | 1 | 4.759 | 4.759 | 65 | 0.561 |
| 69 |  | 7 | 1 | 3.868 | 3.868 | 65 | 0.561 |
| 70 |  | 7 | 1 | 4.691 | 4.691 | 65 | 0.561 |
| 71 |  | 7 | 1 | 3.937 | 3.937 | 65 | 0.561 |
| 72 |  | 7 | 1 | 4.691 | 4.691 | 65 | 0.561 |
| 73 |  | 7 | 1 | 3.918 | 3.918 | 65 | 0.561 |
| 74 |  | 8 | 1 | 3.386 | 3.386 | 65 | 0.561 |
| 75 |  | 8 | 1 | 3.926 | 3.926 | 65 | 0.561 |
| 76 |  | 8 | 1 | 3.441 | 3.441 | 65 | 0.561 |
| 77 |  | 8 | 1 | 3.827 | 3.827 | 65 | 0.561 |
| 78 |  | 8 | 1 | 5.600 | 5.600 | 65 | 0.561 |
| 79 |  | 8 | 1 | 3.440 | 3.440 | 65 | 0.561 |
| 80 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 81 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 82 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 83 |  | 8 | 1 | 3.439 | 3.439 | 65 | 0.561 |
| 84 |  | 8 | 1 | 4.987 | 4.987 | 65 | 0.561 |
| 85 |  | 8 | 1 | 3.885 | 3.885 | 65 | 0.561 |
| 86 |  | 8 | 1 | 4.727 | 4.727 | 65 | 0.561 |
| 87 |  | 8 | 1 | 3.900 | 3.900 | 65 | 0.561 |
| 88 |  | 8 | 1 | 4.691 | 4.691 | 65 | 0.561 |
| 89 |  | 8 | 1 | 3.967 | 3.967 | 65 | 0.561 |
| 90 |  | 8 | 1 | 4.661 | 4.661 | 65 | 0.561 |
| 91 |  | 8 | 1 | 3.996 | 3.996 | 65 | 0.561 |
| 92 |  | 9 | 1 | 3.386 | 3.386 | 65 | 0.561 |
| 93 |  | 9 | 1 | 3.926 | 3.926 | 65 | 0.561 |
| 94 |  | 9 | 1 | 3.441 | 3.441 | 65 | 0.561 |
| 95 |  | 9 | 1 | 3.827 | 3.827 | 65 | 0.561 |
| 96 |  | 9 | 1 | 5.600 | 5.600 | 65 | 0.561 |
| 97 |  | 9 | 1 | 3.440 | 3.440 | 65 | 0.561 |
| 98 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 99 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 100 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 101 |  | 9 | 1 | 3.439 | 3.439 | 65 | 0.561 |
| 102 |  | 9 | 1 | 4.987 | 4.987 | 65 | 0.561 |
| 103 |  | 9 | 1 | 3.885 | 3.885 | 65 | 0.561 |
| 104 |  | 9 | 1 | 4.727 | 4.727 | 65 | 0.561 |
| 105 |  | 9 | 1 | 3.900 | 3.900 | 65 | 0.561 |
| 106 |  | 9 | 1 | 4.691 | 4.691 | 65 | 0.561 |
| 107 |  | 9 | 1 | 3.967 | 3.967 | 65 | 0.561 |
| 108 |  | 9 | 1 | 4.661 | 4.661 | 65 | 0.561 |
| 109 |  | 9 | 1 | 3.996 | 3.996 | 65 | 0.561 |
| 110 |  | 10 | 1 | 3.441 | 3.441 | 65 | 0.561 |
| 111 |  | 10 | 1 | 3.926 | 3.926 | 65 | 0.561 |
| 112 |  | 10 | 1 | 3.386 | 3.386 | 65 | 0.561 |
| 113 |  | 10 | 1 | 3.888 | 3.888 | 65 | 0.561 |
| 114 |  | 10 | 1 | 8.979 | 8.979 | 65 | 0.561 |
| 115 |  | 10 | 1 | 3.870 | 3.870 | 65 | 0.561 |
| 116 |  | 10 | 1 | 4.987 | 4.987 | 65 | 0.561 |
| 117 |  | 10 | 1 | 3.885 | 3.885 | 65 | 0.561 |
| 118 |  | 10 | 1 | 4.625 | 4.625 | 65 | 0.561 |
| 119 |  | 10 | 1 | 4.002 | 4.002 | 65 | 0.561 |
| 120 |  | 10 | 1 | 4.690 | 4.690 | 65 | 0.561 |
| 121 |  | 10 | 1 | 3.966 | 3.966 | 65 | 0.561 |
| 122 |  | 10 | 1 | 4.726 | 4.726 | 65 | 0.561 |
| 123 |  | 10 | 1 | 3.863 | 3.863 | 65 | 0.561 |
| 124 | C2021 | 2 | 5 | 4.449 | 22.243 | 18 | 0.968 |
| 125 | C2122 | 2 | 1 | 4.449 | 4.449 | 18 | 0.968 |
| 126 | C2122 | 2 | 1 | 4.449 | 4.449 | 18 | 0.968 |
| 127 | C2122 | 2 | 3 | 4.449 | 13.346 | 18 | 0.968 |
| 立面总面积(㎡) | | | 1028.123 | 立面平均传热系数 | | | 0.579 |

### 综合太阳得热系数

1. 南向：

南-默认立面

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 窗太阳得热系数 | 外遮阳编号 | 外遮阳系数(含环境遮阳) | 综合太阳得热系数 |
| 1 |  | 1 | 1 | 10.949 | 10.949 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 2 |  | 1 | 2 | 1.953 | 3.906 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 3 |  | 1 | 2 | 3.087 | 6.174 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 4 |  | 1 | 1 | 0.977 | 0.977 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 5 |  | 1 | 1 | 21.848 | 21.848 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 6 |  | 1 | 4 | 4.400 | 17.600 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 7 |  | 1 | 1 | 1.368 | 1.368 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 8 |  | 1 | 1 | 22.149 | 22.149 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 9 |  | 1 | 1 | 1.355 | 1.355 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 10 |  | 1 | 1 | 27.711 | 27.711 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 11 |  | 1 | 1 | 10.886 | 10.886 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 12 |  | 1 | 3 | 1.953 | 5.859 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 13 |  | 1 | 3 | 3.087 | 9.261 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 14 |  | 1 | 1 | 0.864 | 0.864 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 15 |  | 1 | 1 | 0.995 | 0.995 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 16 |  | 1 | 1 | 10.764 | 10.764 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 17 |  | 1 | 1 | 16.510 | 16.510 | 65 | 0.870 | 百叶遮阳0 | 0.122 | 0.106 |
| 18 |  | 1 | 1 | 16.582 | 16.582 | 65 | 0.870 | 百叶遮阳0 | 0.125 | 0.109 |
| 19 |  | 1 | 1 | 2.766 | 2.766 | 65 | 0.870 | 百叶遮阳0 | 0.104 | 0.090 |
| 20 |  | 2 | 1 | 15.348 | 15.348 | 65 | 0.870 | 百叶遮阳0 | 0.093 | 0.081 |
| 21 |  | 2 | 1 | 10.109 | 10.109 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 22 |  | 2 | 8 | 2.046 | 16.368 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 23 |  | 2 | 8 | 2.640 | 21.120 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 24 |  | 2 | 1 | 0.421 | 0.421 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 25 |  | 2 | 1 | 20.318 | 20.318 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 26 |  | 2 | 1 | 0.430 | 0.430 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 27 |  | 2 | 1 | 20.335 | 20.335 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 28 |  | 2 | 1 | 0.456 | 0.456 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 29 |  | 2 | 1 | 20.287 | 20.287 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 30 |  | 2 | 1 | 0.486 | 0.486 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 31 |  | 2 | 1 | 19.905 | 19.905 | 65 | 0.870 | 百叶遮阳0 | 0.109 | 0.095 |
| 32 |  | 2 | 1 | 2.453 | 2.453 | 65 | 0.870 | 百叶遮阳0 | 0.057 | 0.050 |
| 33 |  | 2 | 1 | 15.747 | 15.747 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 34 |  | 2 | 1 | 0.369 | 0.369 | 65 | 0.870 | 百叶遮阳0 | 0.156 | 0.136 |
| 35 |  | 2 | 1 | 15.833 | 15.833 | 65 | 0.870 | 百叶遮阳0 | 0.101 | 0.088 |
| 36 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.870 | 百叶遮阳0 | 0.249 | 0.217 |
| 37 |  | 3~6 | 4 | 3.942 | 15.767 | 65 | 0.870 | 百叶遮阳0 | 0.101 | 0.088 |
| 38 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.870 | 百叶遮阳0 | 0.250 | 0.218 |
| 39 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.870 | 百叶遮阳0 | 0.099 | 0.086 |
| 40 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.870 | 百叶遮阳0 | 0.252 | 0.219 |
| 41 |  | 3 | 1 | 3.921 | 3.921 | 65 | 0.870 | 百叶遮阳0 | 0.252 | 0.219 |
| 42 |  | 3 | 1 | 9.875 | 9.875 | 65 | 0.870 | 百叶遮阳0 | 0.254 | 0.221 |
| 43 |  | 3~5,8~9 | 19 | 3.870 | 73.530 | 65 | 0.870 | 百叶遮阳0 | 0.299 | 0.260 |
| 44 |  | 3~8,10 | 63 | 3.870 | 243.810 | 65 | 0.870 | 百叶遮阳0 | 0.146 | 0.127 |
| 45 |  | 3~5,8~9 | 11 | 3.870 | 42.570 | 65 | 0.870 | 百叶遮阳0 | 0.305 | 0.265 |
| 46 |  | 3~8,10 | 20 | 3.870 | 77.400 | 65 | 0.870 | 百叶遮阳0 | 0.150 | 0.131 |
| 47 |  | 3,9 | 3 | 3.870 | 11.610 | 65 | 0.870 | 百叶遮阳0 | 0.298 | 0.259 |
| 48 |  | 3,9 | 2 | 3.870 | 7.740 | 65 | 0.870 | 百叶遮阳0 | 0.304 | 0.264 |
| 49 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.870 | 百叶遮阳0 | 0.101 | 0.088 |
| 50 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.870 | 百叶遮阳0 | 0.093 | 0.081 |
| 51 |  | 4~5 | 2 | 3.942 | 7.884 | 65 | 0.870 | 百叶遮阳0 | 0.253 | 0.220 |
| 52 |  | 4~5 | 2 | 5.357 | 10.713 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 53 |  | 4~6 | 3 | 3.921 | 11.763 | 65 | 0.870 | 百叶遮阳0 | 0.103 | 0.090 |
| 54 |  | 4~6 | 3 | 9.875 | 29.624 | 65 | 0.870 | 百叶遮阳0 | 0.110 | 0.096 |
| 55 |  | 6 | 1 | 3.942 | 3.942 | 65 | 0.870 | 百叶遮阳0 | 0.099 | 0.086 |
| 56 |  | 6 | 1 | 5.357 | 5.357 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.086 |
| 57 |  | 7 | 1 | 8.355 | 8.355 | 65 | 0.870 | 百叶遮阳0 | 0.105 | 0.091 |
| 58 |  | 7~8 | 3 | 3.870 | 11.610 | 65 | 0.870 | 百叶遮阳0 | 0.138 | 0.120 |
| 59 |  | 7 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.142 | 0.124 |
| 60 |  | 7 | 1 | 3.853 | 3.853 | 65 | 0.870 | 百叶遮阳0 | 0.120 | 0.104 |
| 61 |  | 7 | 1 | 4.602 | 4.602 | 65 | 0.870 | 百叶遮阳0 | 0.096 | 0.084 |
| 62 |  | 7 | 1 | 3.935 | 3.935 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.086 |
| 63 |  | 7 | 1 | 4.580 | 4.580 | 65 | 0.870 | 百叶遮阳0 | 0.095 | 0.082 |
| 64 |  | 7 | 1 | 4.000 | 4.000 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 65 |  | 7 | 1 | 4.519 | 4.519 | 65 | 0.870 | 百叶遮阳0 | 0.099 | 0.086 |
| 66 |  | 7 | 1 | 3.948 | 3.948 | 65 | 0.870 | 百叶遮阳0 | 0.103 | 0.090 |
| 67 |  | 7 | 1 | 7.217 | 7.217 | 65 | 0.870 | 百叶遮阳0 | 0.114 | 0.099 |
| 68 |  | 8 | 1 | 8.277 | 8.277 | 65 | 0.870 | 百叶遮阳0 | 0.106 | 0.092 |
| 69 |  | 8 | 1 | 3.821 | 3.821 | 65 | 0.870 | 百叶遮阳0 | 0.120 | 0.104 |
| 70 |  | 8 | 1 | 4.698 | 4.698 | 65 | 0.870 | 百叶遮阳0 | 0.096 | 0.083 |
| 71 |  | 8 | 1 | 3.930 | 3.930 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 72 |  | 8 | 1 | 4.519 | 4.519 | 65 | 0.870 | 百叶遮阳0 | 0.094 | 0.082 |
| 73 |  | 8 | 1 | 3.998 | 3.998 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 74 |  | 8 | 1 | 4.519 | 4.519 | 65 | 0.870 | 百叶遮阳0 | 0.099 | 0.086 |
| 75 |  | 8~9 | 2 | 3.918 | 7.837 | 65 | 0.870 | 百叶遮阳0 | 0.252 | 0.219 |
| 76 |  | 8 | 1 | 8.591 | 8.591 | 65 | 0.870 | 百叶遮阳0 | 0.112 | 0.097 |
| 77 |  | 9 | 1 | 8.277 | 8.277 | 65 | 0.870 | 百叶遮阳0 | 0.254 | 0.221 |
| 78 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.294 | 0.256 |
| 79 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.293 | 0.255 |
| 80 |  | 9 | 1 | 3.821 | 3.821 | 65 | 0.870 | 百叶遮阳0 | 0.272 | 0.237 |
| 81 |  | 9 | 1 | 4.698 | 4.698 | 65 | 0.870 | 百叶遮阳0 | 0.244 | 0.212 |
| 82 |  | 9 | 1 | 3.930 | 3.930 | 65 | 0.870 | 百叶遮阳0 | 0.253 | 0.220 |
| 83 |  | 9 | 1 | 4.519 | 4.519 | 65 | 0.870 | 百叶遮阳0 | 0.252 | 0.219 |
| 84 |  | 9 | 1 | 3.998 | 3.998 | 65 | 0.870 | 百叶遮阳0 | 0.252 | 0.219 |
| 85 |  | 9 | 1 | 4.519 | 4.519 | 65 | 0.870 | 百叶遮阳0 | 0.253 | 0.220 |
| 86 |  | 9 | 1 | 8.591 | 8.591 | 65 | 0.870 | 百叶遮阳0 | 0.256 | 0.223 |
| 87 |  | 10 | 1 | 6.186 | 6.186 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.086 |
| 88 |  | 10 | 1 | 1.203 | 1.203 | 65 | 0.870 | 百叶遮阳0 | 0.094 | 0.081 |
| 89 |  | 10 | 1 | 0.812 | 0.812 | 65 | 0.870 | 百叶遮阳0 | 0.121 | 0.105 |
| 90 |  | 10 | 1 | 2.855 | 2.855 | 65 | 0.870 | 百叶遮阳0 | 0.102 | 0.089 |
| 91 |  | 10 | 1 | 3.952 | 3.952 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 92 |  | 10 | 1 | 2.937 | 2.937 | 65 | 0.870 | 百叶遮阳0 | 0.096 | 0.084 |
| 93 |  | 10 | 1 | 3.912 | 3.912 | 65 | 0.870 | 百叶遮阳0 | 0.091 | 0.079 |
| 94 |  | 10 | 1 | 8.137 | 8.137 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 95 |  | 10 | 1 | 3.884 | 3.884 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 96 |  | 10 | 2 | 3.870 | 7.740 | 65 | 0.870 | 百叶遮阳0 | 0.134 | 0.117 |
| 97 |  | 10 | 1 | 3.847 | 3.847 | 65 | 0.870 | 百叶遮阳0 | 0.134 | 0.117 |
| 98 |  | 10 | 1 | 4.085 | 4.085 | 65 | 0.870 | 百叶遮阳0 | 0.137 | 0.119 |
| 99 |  | 10 | 1 | 4.154 | 4.154 | 65 | 0.870 | 百叶遮阳0 | 0.114 | 0.099 |
| 100 |  | 10 | 1 | 4.689 | 4.689 | 65 | 0.870 | 百叶遮阳0 | 0.093 | 0.081 |
| 101 |  | 10 | 1 | 8.209 | 8.209 | 65 | 0.870 | 百叶遮阳0 | 0.113 | 0.098 |
| 102 |  | 10 | 2 | 3.870 | 7.740 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 103 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.327 | 0.085 |
| 104 | C0921 | 6~7,9 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.182 | 0.048 |
| 105 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.181 | 0.047 |
| 106 | C2121 | 1 | 5 | 4.410 | 22.050 | 18 | 0.261 | 百叶遮阳0 | 0.135 | 0.035 |
| 107 | C2222 | 2 | 8 | 4.774 | 38.192 | 18 | 0.261 | 百叶遮阳0 | 0.121 | 0.032 |
| 立面总面积(㎡) | | | | | 1284.956 | 综合太阳得热系数 | | | 0.155 | 0.130 |

2. 北向：

北-默认立面

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 窗太阳得热系数 | 外遮阳编号 | 外遮阳系数(含环境遮阳) | 综合太阳得热系数 |
| 1 |  | 1 | 1 | 18.765 | 18.765 | 65 | 0.870 | 百叶遮阳0 | 0.179 | 0.156 |
| 2 |  | 1 | 1 | 4.059 | 4.059 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 3 |  | 1 | 1 | 1.674 | 1.674 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 4 |  | 1 | 1 | 2.646 | 2.646 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 5 |  | 1 | 1 | 0.293 | 0.293 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 6 |  | 1 | 1 | 10.386 | 10.386 | 65 | 0.870 | 百叶遮阳0 | 0.185 | 0.161 |
| 7 |  | 1 | 2 | 1.674 | 3.348 | 65 | 0.870 | 百叶遮阳0 | 0.185 | 0.161 |
| 8 |  | 1 | 2 | 2.646 | 5.292 | 65 | 0.870 | 百叶遮阳0 | 0.185 | 0.161 |
| 9 |  | 1 | 1 | 1.337 | 1.337 | 65 | 0.870 | 百叶遮阳0 | 0.185 | 0.161 |
| 10 |  | 1 | 1 | 27.045 | 27.045 | 65 | 0.870 | 百叶遮阳0 | 0.185 | 0.161 |
| 11 |  | 1 | 1 | 9.630 | 9.630 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 12 |  | 1 | 2 | 4.400 | 8.800 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 13 |  | 1 | 1 | 0.486 | 0.486 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 14 |  | 1 | 1 | 16.268 | 16.268 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 15 |  | 1 | 1 | 21.290 | 21.290 | 65 | 0.870 | 百叶遮阳0 | 0.190 | 0.165 |
| 16 |  | 1 | 1 | 4.400 | 4.400 | 65 | 0.870 | 百叶遮阳0 | 0.190 | 0.165 |
| 17 |  | 1 | 1 | 0.270 | 0.270 | 65 | 0.870 | 百叶遮阳0 | 0.190 | 0.165 |
| 18 |  | 1 | 1 | 9.450 | 9.450 | 65 | 0.870 | 百叶遮阳0 | 0.182 | 0.158 |
| 19 |  | 1 | 1 | 11.590 | 11.590 | 65 | 0.870 | 百叶遮阳0 | 0.191 | 0.166 |
| 20 |  | 1 | 1 | 13.185 | 13.185 | 65 | 0.870 | 百叶遮阳0 | 0.192 | 0.167 |
| 21 |  | 1 | 1 | 23.307 | 23.307 | 65 | 0.870 | 百叶遮阳0 | 0.194 | 0.169 |
| 22 |  | 1 | 1 | 7.351 | 7.351 | 65 | 0.870 | 百叶遮阳0 | 0.180 | 0.157 |
| 23 |  | 1 | 1 | 10.442 | 10.442 | 65 | 0.870 | 百叶遮阳0 | 0.134 | 0.117 |
| 24 |  | 1 | 1 | 7.566 | 7.566 | 65 | 0.870 | 百叶遮阳0 | 0.191 | 0.166 |
| 25 |  | 1 | 1 | 17.729 | 17.729 | 65 | 0.870 | 百叶遮阳0 | 0.178 | 0.155 |
| 26 |  | 2 | 1 | 6.683 | 6.683 | 65 | 0.870 | 百叶遮阳0 | 0.316 | 0.275 |
| 27 |  | 2 | 1 | 0.116 | 0.116 | 65 | 0.870 | 百叶遮阳0 | 0.251 | 0.218 |
| 28 |  | 2 | 2 | 1.907 | 3.813 | 65 | 0.870 | 百叶遮阳0 | 0.251 | 0.218 |
| 29 |  | 2 | 2 | 2.460 | 4.920 | 65 | 0.870 | 百叶遮阳0 | 0.251 | 0.218 |
| 30 |  | 2 | 1 | 0.344 | 0.344 | 65 | 0.870 | 百叶遮阳0 | 0.251 | 0.218 |
| 31 |  | 2 | 1 | 9.473 | 9.473 | 65 | 0.870 | 百叶遮阳0 | 0.251 | 0.218 |
| 32 |  | 2 | 1 | 9.030 | 9.030 | 65 | 0.870 | 百叶遮阳0 | 0.293 | 0.255 |
| 33 |  | 2 | 1 | 27.202 | 27.202 | 65 | 0.870 | 百叶遮阳0 | 0.274 | 0.238 |
| 34 |  | 2 | 2 | 1.907 | 3.813 | 65 | 0.870 | 百叶遮阳0 | 0.274 | 0.238 |
| 35 |  | 2 | 2 | 2.460 | 4.920 | 65 | 0.870 | 百叶遮阳0 | 0.274 | 0.238 |
| 36 |  | 2 | 1 | 0.280 | 0.280 | 65 | 0.870 | 百叶遮阳0 | 0.274 | 0.238 |
| 37 |  | 2 | 1 | 9.069 | 9.069 | 65 | 0.870 | 百叶遮阳0 | 0.274 | 0.238 |
| 38 |  | 2 | 1 | 18.060 | 18.060 | 65 | 0.870 | 百叶遮阳0 | 0.293 | 0.255 |
| 39 |  | 2 | 1 | 17.338 | 17.338 | 65 | 0.870 | 百叶遮阳0 | 0.269 | 0.234 |
| 40 |  | 2 | 2 | 1.907 | 3.813 | 65 | 0.870 | 百叶遮阳0 | 0.269 | 0.234 |
| 41 |  | 2 | 2 | 2.460 | 4.920 | 65 | 0.870 | 百叶遮阳0 | 0.269 | 0.234 |
| 42 |  | 2 | 1 | 0.159 | 0.159 | 65 | 0.870 | 百叶遮阳0 | 0.269 | 0.234 |
| 43 |  | 2 | 1 | 9.163 | 9.163 | 65 | 0.870 | 百叶遮阳0 | 0.269 | 0.234 |
| 44 |  | 2 | 1 | 9.927 | 9.927 | 65 | 0.870 | 百叶遮阳0 | 0.088 | 0.077 |
| 45 |  | 2 | 1 | 8.383 | 8.383 | 65 | 0.870 | 百叶遮阳0 | 0.141 | 0.123 |
| 46 |  | 2 | 1 | 21.968 | 21.968 | 65 | 0.870 | 百叶遮阳0 | 0.161 | 0.140 |
| 47 |  | 2 | 1 | 12.893 | 12.893 | 65 | 0.870 | 百叶遮阳0 | 0.162 | 0.141 |
| 48 |  | 2 | 1 | 12.584 | 12.584 | 65 | 0.870 | 百叶遮阳0 | 0.162 | 0.141 |
| 49 |  | 2 | 1 | 8.104 | 8.104 | 65 | 0.870 | 百叶遮阳0 | 0.300 | 0.261 |
| 50 |  | 2 | 1 | 16.996 | 16.996 | 65 | 0.870 | 百叶遮阳0 | 0.152 | 0.132 |
| 51 |  | 3,9 | 12 | 3.870 | 46.440 | 65 | 0.870 | 百叶遮阳0 | 0.370 | 0.322 |
| 52 |  | 3 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.375 | 0.326 |
| 53 |  | 3 | 1 | 4.923 | 4.923 | 65 | 0.870 | 百叶遮阳0 | 0.301 | 0.262 |
| 54 |  | 3,6 | 2 | 3.870 | 7.740 | 65 | 0.870 | 百叶遮阳0 | 0.155 | 0.135 |
| 55 |  | 3 | 1 | 4.901 | 4.901 | 65 | 0.870 | 百叶遮阳0 | 0.295 | 0.257 |
| 56 |  | 3,6 | 2 | 3.870 | 7.741 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 57 |  | 3 | 1 | 4.834 | 4.834 | 65 | 0.870 | 百叶遮阳0 | 0.299 | 0.260 |
| 58 |  | 3,6 | 2 | 3.938 | 7.875 | 65 | 0.870 | 百叶遮阳0 | 0.155 | 0.135 |
| 59 |  | 3 | 1 | 4.834 | 4.834 | 65 | 0.870 | 百叶遮阳0 | 0.304 | 0.264 |
| 60 |  | 3 | 1 | 3.839 | 3.839 | 65 | 0.870 | 百叶遮阳0 | 0.372 | 0.324 |
| 61 |  | 3,9 | 13 | 3.870 | 50.310 | 65 | 0.870 | 百叶遮阳0 | 0.377 | 0.328 |
| 62 |  | 3,9 | 2 | 3.440 | 6.880 | 65 | 0.870 | 百叶遮阳0 | 0.384 | 0.334 |
| 63 |  | 3 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.376 | 0.327 |
| 64 |  | 3 | 1 | 3.851 | 3.851 | 65 | 0.870 | 百叶遮阳0 | 0.336 | 0.292 |
| 65 |  | 4~8 | 30 | 3.870 | 116.100 | 65 | 0.870 | 百叶遮阳0 | 0.218 | 0.190 |
| 66 |  | 4~7 | 5 | 3.870 | 19.350 | 65 | 0.870 | 百叶遮阳0 | 0.222 | 0.193 |
| 67 |  | 4~6 | 3 | 4.923 | 14.769 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 68 |  | 4~5 | 2 | 3.870 | 7.740 | 65 | 0.870 | 百叶遮阳0 | 0.304 | 0.264 |
| 69 |  | 4~6 | 3 | 4.901 | 14.703 | 65 | 0.870 | 百叶遮阳0 | 0.150 | 0.131 |
| 70 |  | 4~5 | 2 | 3.870 | 7.741 | 65 | 0.870 | 百叶遮阳0 | 0.306 | 0.266 |
| 71 |  | 4~6 | 3 | 4.834 | 14.503 | 65 | 0.870 | 百叶遮阳0 | 0.150 | 0.131 |
| 72 |  | 4~5 | 2 | 3.938 | 7.875 | 65 | 0.870 | 百叶遮阳0 | 0.300 | 0.261 |
| 73 |  | 4~6 | 3 | 4.834 | 14.503 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 74 |  | 4~6 | 3 | 3.839 | 11.518 | 65 | 0.870 | 百叶遮阳0 | 0.220 | 0.191 |
| 75 |  | 4~8,10 | 42 | 3.870 | 162.540 | 65 | 0.870 | 百叶遮阳0 | 0.223 | 0.194 |
| 76 |  | 4~8 | 5 | 3.440 | 17.200 | 65 | 0.870 | 百叶遮阳0 | 0.228 | 0.198 |
| 77 |  | 4~6 | 3 | 3.851 | 11.553 | 65 | 0.870 | 百叶遮阳0 | 0.189 | 0.164 |
| 78 |  | 7~8,10 | 3 | 3.870 | 11.610 | 65 | 0.870 | 百叶遮阳0 | 0.224 | 0.195 |
| 79 |  | 7 | 1 | 4.856 | 4.856 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 80 |  | 7 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.160 | 0.139 |
| 81 |  | 7 | 1 | 4.901 | 4.901 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 82 |  | 7 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 83 |  | 7 | 1 | 4.969 | 4.969 | 65 | 0.870 | 百叶遮阳0 | 0.150 | 0.131 |
| 84 |  | 7 | 1 | 3.594 | 3.594 | 65 | 0.870 | 百叶遮阳0 | 0.156 | 0.136 |
| 85 |  | 7 | 1 | 5.043 | 5.043 | 65 | 0.870 | 百叶遮阳0 | 0.150 | 0.131 |
| 86 |  | 7 | 1 | 3.851 | 3.851 | 65 | 0.870 | 百叶遮阳0 | 0.190 | 0.165 |
| 87 |  | 8 | 1 | 3.362 | 3.362 | 65 | 0.870 | 百叶遮阳0 | 0.155 | 0.135 |
| 88 |  | 8 | 1 | 3.844 | 3.844 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 89 |  | 8 | 1 | 3.386 | 3.386 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 90 |  | 8 | 1 | 4.035 | 4.035 | 65 | 0.870 | 百叶遮阳0 | 0.152 | 0.132 |
| 91 |  | 8 | 1 | 3.812 | 3.812 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 92 |  | 8 | 1 | 3.461 | 3.461 | 65 | 0.870 | 百叶遮阳0 | 0.147 | 0.128 |
| 93 |  | 8 | 1 | 7.705 | 7.705 | 65 | 0.870 | 百叶遮阳0 | 0.165 | 0.144 |
| 94 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.205 | 0.178 |
| 95 |  | 8 | 1 | 3.909 | 3.909 | 65 | 0.870 | 百叶遮阳0 | 0.160 | 0.139 |
| 96 |  | 8 | 1 | 3.345 | 3.345 | 65 | 0.870 | 百叶遮阳0 | 0.152 | 0.132 |
| 97 |  | 8 | 1 | 3.926 | 3.926 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 98 |  | 8 | 1 | 3.881 | 3.881 | 65 | 0.870 | 百叶遮阳0 | 0.193 | 0.168 |
| 99 |  | 9 | 1 | 3.362 | 3.362 | 65 | 0.870 | 百叶遮阳0 | 0.305 | 0.265 |
| 100 |  | 9 | 1 | 3.844 | 3.844 | 65 | 0.870 | 百叶遮阳0 | 0.303 | 0.264 |
| 101 |  | 9 | 1 | 3.386 | 3.386 | 65 | 0.870 | 百叶遮阳0 | 0.301 | 0.262 |
| 102 |  | 9 | 1 | 4.035 | 4.035 | 65 | 0.870 | 百叶遮阳0 | 0.299 | 0.260 |
| 103 |  | 9 | 1 | 3.812 | 3.812 | 65 | 0.870 | 百叶遮阳0 | 0.300 | 0.261 |
| 104 |  | 9 | 1 | 3.461 | 3.461 | 65 | 0.870 | 百叶遮阳0 | 0.296 | 0.258 |
| 105 |  | 9 | 1 | 7.705 | 7.705 | 65 | 0.870 | 百叶遮阳0 | 0.314 | 0.273 |
| 106 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.357 | 0.311 |
| 107 |  | 9 | 1 | 3.909 | 3.909 | 65 | 0.870 | 百叶遮阳0 | 0.308 | 0.268 |
| 108 |  | 9 | 1 | 3.345 | 3.345 | 65 | 0.870 | 百叶遮阳0 | 0.298 | 0.259 |
| 109 |  | 9 | 1 | 3.926 | 3.926 | 65 | 0.870 | 百叶遮阳0 | 0.302 | 0.263 |
| 110 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.378 | 0.329 |
| 111 |  | 9 | 1 | 3.881 | 3.881 | 65 | 0.870 | 百叶遮阳0 | 0.339 | 0.295 |
| 112 |  | 10 | 1 | 7.735 | 7.735 | 65 | 0.870 | 百叶遮阳0 | 0.165 | 0.144 |
| 113 |  | 10 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.206 | 0.179 |
| 114 |  | 10 | 1 | 3.908 | 3.908 | 65 | 0.870 | 百叶遮阳0 | 0.160 | 0.139 |
| 115 |  | 10 | 1 | 3.440 | 3.440 | 65 | 0.870 | 百叶遮阳0 | 0.153 | 0.133 |
| 116 |  | 10 | 1 | 3.475 | 3.475 | 65 | 0.870 | 百叶遮阳0 | 0.156 | 0.136 |
| 117 |  | 10 | 1 | 3.814 | 3.814 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 118 |  | 10 | 1 | 3.467 | 3.467 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 119 |  | 10 | 1 | 3.956 | 3.956 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 120 |  | 10 | 1 | 3.356 | 3.356 | 65 | 0.870 | 百叶遮阳0 | 0.152 | 0.132 |
| 121 |  | 10 | 1 | 3.887 | 3.887 | 65 | 0.870 | 百叶遮阳0 | 0.144 | 0.125 |
| 122 |  | 10 | 1 | 3.830 | 3.830 | 65 | 0.870 | 百叶遮阳0 | 0.150 | 0.131 |
| 123 |  | 10 | 1 | 0.275 | 0.275 | 65 | 0.870 | 百叶遮阳0 | 0.310 | 0.270 |
| 124 |  | 10 | 1 | 0.744 | 0.744 | 65 | 0.870 | 百叶遮阳0 | 0.310 | 0.270 |
| 125 |  | 10 | 1 | 1.016 | 1.016 | 65 | 0.870 | 百叶遮阳0 | 0.310 | 0.270 |
| 126 |  | 10 | 1 | 0.155 | 0.155 | 65 | 0.870 | 百叶遮阳0 | 0.310 | 0.270 |
| 127 |  | 10 | 5 | 3.870 | 19.350 | 65 | 0.870 | 百叶遮阳0 | 0.219 | 0.191 |
| 128 |  | 10 | 1 | 3.440 | 3.440 | 65 | 0.870 | 百叶遮阳0 | 0.229 | 0.199 |
| 129 |  | 10 | 2 | 3.847 | 7.695 | 65 | 0.870 | 百叶遮阳0 | 0.219 | 0.191 |
| 130 |  | 10 | 1 | 3.834 | 3.834 | 65 | 0.870 | 百叶遮阳0 | 0.189 | 0.164 |
| 131 | C0921 | 3~7,10 | 6 | 1.680 | 10.080 | 18 | 0.261 | 百叶遮阳0 | 0.247 | 0.064 |
| 132 | C0921 | 3~5 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.391 | 0.102 |
| 133 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.395 | 0.103 |
| 134 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.405 | 0.106 |
| 135 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.409 | 0.107 |
| 136 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.392 | 0.102 |
| 137 | C0921 | 6~7,9 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.251 | 0.066 |
| 138 | C0921 | 6,9~10 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.260 | 0.068 |
| 139 | C0921 | 6~7,9~10 | 7 | 1.680 | 11.760 | 18 | 0.261 | 百叶遮阳0 | 0.258 | 0.067 |
| 140 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.252 | 0.066 |
| 141 | C0921 | 7 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.261 | 0.068 |
| 142 | C0921 | 7 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.257 | 0.067 |
| 143 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.394 | 0.103 |
| 144 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.390 | 0.102 |
| 145 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.404 | 0.105 |
| 146 | C0921 | 9 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.246 | 0.064 |
| 147 | C0921 | 9 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.259 | 0.068 |
| 148 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.250 | 0.065 |
| 149 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.255 | 0.067 |
| 150 | C1821 | 1 | 1 | 3.780 | 3.780 | 18 | 0.261 | 百叶遮阳0 | 0.192 | 0.050 |
| 151 | C1821 | 1 | 2 | 3.780 | 7.560 | 18 | 0.261 | 百叶遮阳0 | 0.193 | 0.050 |
| 152 | C2021 | 2 | 6 | 4.449 | 26.691 | 18 | 0.261 | 百叶遮阳0 | 0.182 | 0.048 |
| 立面总面积(㎡) | | | | | 1395.047 | 综合太阳得热系数 | | | 0.230 | 0.186 |

3. 东向：

东-默认立面

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 窗太阳得热系数 | 外遮阳编号 | 外遮阳系数(含环境遮阳) | 综合太阳得热系数 |
| 1 |  | 1 | 1 | 17.655 | 17.655 | 65 | 0.870 | 百叶遮阳0 | 0.192 | 0.167 |
| 2 |  | 1 | 1 | 11.005 | 11.005 | 65 | 0.870 | 百叶遮阳0 | 0.199 | 0.173 |
| 3 |  | 1 | 1 | 28.726 | 28.726 | 65 | 0.870 | 百叶遮阳0 | 0.185 | 0.161 |
| 4 |  | 1 | 1 | 28.654 | 28.654 | 65 | 0.870 | 百叶遮阳0 | 0.149 | 0.130 |
| 5 |  | 2 | 1 | 16.884 | 16.884 | 65 | 0.870 | 百叶遮阳0 | 0.160 | 0.139 |
| 6 |  | 2 | 1 | 27.482 | 27.482 | 65 | 0.870 | 百叶遮阳0 | 0.121 | 0.105 |
| 7 |  | 2 | 1 | 27.302 | 27.302 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 8 |  | 2 | 1 | 10.673 | 10.673 | 65 | 0.870 | 百叶遮阳0 | 0.167 | 0.145 |
| 9 | C0921 | 3~5 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.331 | 0.086 |
| 10 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.338 | 0.088 |
| 11 | C0921 | 3~5 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.347 | 0.091 |
| 12 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.355 | 0.093 |
| 13 | C0921 | 3~6,10 | 5 | 1.680 | 8.400 | 18 | 0.261 | 百叶遮阳0 | 0.215 | 0.056 |
| 14 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.372 | 0.097 |
| 15 | C0921 | 3~7,9 | 6 | 1.680 | 10.080 | 18 | 0.261 | 百叶遮阳0 | 0.231 | 0.060 |
| 16 | C0921 | 3~5,8 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.386 | 0.101 |
| 17 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.186 | 0.049 |
| 18 | C0921 | 6,9~10 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.194 | 0.051 |
| 19 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.200 | 0.052 |
| 20 | C0921 | 6~7,9 | 3 | 1.680 | 5.040 | 18 | 0.261 | 百叶遮阳0 | 0.210 | 0.055 |
| 21 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.224 | 0.058 |
| 22 | C0921 | 6~7,9~10 | 4 | 1.680 | 6.720 | 18 | 0.261 | 百叶遮阳0 | 0.240 | 0.063 |
| 23 | C0921 | 7 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.193 | 0.050 |
| 24 | C0921 | 7,9 | 2 | 1.680 | 3.360 | 18 | 0.261 | 百叶遮阳0 | 0.217 | 0.057 |
| 25 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.330 | 0.086 |
| 26 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.348 | 0.091 |
| 27 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.362 | 0.094 |
| 28 | C0921 | 8 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.380 | 0.099 |
| 29 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.230 | 0.060 |
| 30 | C0921 | 10 | 1 | 1.680 | 1.680 | 18 | 0.261 | 百叶遮阳0 | 0.209 | 0.055 |
| 立面总面积(㎡) | | | | | 275.901 | 综合太阳得热系数 | | | 0.204 | 0.113 |

4. 西向：

西-默认立面

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造编号 | 窗太阳得热系数 | 外遮阳编号 | 外遮阳系数(含环境遮阳) | 综合太阳得热系数 |
| 1 |  | 1 | 1 | 14.693 | 14.693 | 65 | 0.870 | 百叶遮阳0 | 0.172 | 0.150 |
| 2 |  | 1 | 1 | 4.180 | 4.180 | 65 | 0.870 | 百叶遮阳0 | 0.172 | 0.150 |
| 3 |  | 1 | 1 | 24.228 | 24.228 | 65 | 0.870 | 百叶遮阳0 | 0.172 | 0.150 |
| 4 |  | 1 | 1 | 4.400 | 4.400 | 65 | 0.870 | 百叶遮阳0 | 0.172 | 0.150 |
| 5 |  | 1 | 1 | 4.599 | 4.599 | 65 | 0.870 | 百叶遮阳0 | 0.172 | 0.150 |
| 6 |  | 1 | 1 | 16.522 | 16.522 | 65 | 0.870 | 百叶遮阳0 | 0.154 | 0.134 |
| 7 |  | 1 | 1 | 3.182 | 3.182 | 65 | 0.870 | 百叶遮阳0 | 0.182 | 0.158 |
| 8 |  | 1 | 1 | 7.318 | 7.318 | 65 | 0.870 | 百叶遮阳0 | 0.178 | 0.155 |
| 9 |  | 1 | 1 | 2.934 | 2.934 | 65 | 0.870 | 百叶遮阳0 | 0.176 | 0.153 |
| 10 |  | 1 | 1 | 4.400 | 4.400 | 65 | 0.870 | 百叶遮阳0 | 0.176 | 0.153 |
| 11 |  | 1 | 1 | 24.300 | 24.300 | 65 | 0.870 | 百叶遮阳0 | 0.176 | 0.153 |
| 12 |  | 1 | 1 | 4.180 | 4.180 | 65 | 0.870 | 百叶遮阳0 | 0.176 | 0.153 |
| 13 |  | 1 | 1 | 14.621 | 14.621 | 65 | 0.870 | 百叶遮阳0 | 0.176 | 0.153 |
| 14 |  | 1 | 1 | 6.655 | 6.655 | 65 | 0.870 | 百叶遮阳0 | 0.139 | 0.121 |
| 15 |  | 1 | 1 | 6.900 | 6.900 | 65 | 0.870 | 百叶遮阳0 | 0.180 | 0.157 |
| 16 |  | 2 | 1 | 9.077 | 9.077 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 17 |  | 2 | 5 | 1.907 | 9.533 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 18 |  | 2 | 5 | 2.460 | 12.300 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 19 |  | 2 | 1 | 0.228 | 0.228 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 20 |  | 2 | 1 | 0.237 | 0.237 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 21 |  | 2 | 1 | 0.206 | 0.206 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 22 |  | 2 | 1 | 0.198 | 0.198 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 23 |  | 2 | 1 | 2.829 | 2.829 | 65 | 0.870 | 百叶遮阳0 | 0.100 | 0.087 |
| 24 |  | 2 | 1 | 6.602 | 6.602 | 65 | 0.870 | 百叶遮阳0 | 0.136 | 0.118 |
| 25 |  | 2 | 1 | 7.055 | 7.055 | 65 | 0.870 | 百叶遮阳0 | 0.089 | 0.078 |
| 26 |  | 2 | 1 | 4.171 | 4.171 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 27 |  | 2 | 5 | 1.907 | 9.533 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 28 |  | 2 | 5 | 2.460 | 12.300 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 29 |  | 2 | 1 | 0.237 | 0.237 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 30 |  | 2 | 1 | 0.151 | 0.151 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 31 |  | 2 | 1 | 0.189 | 0.189 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 32 |  | 2 | 1 | 0.280 | 0.280 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 33 |  | 2 | 1 | 9.159 | 9.159 | 65 | 0.870 | 百叶遮阳0 | 0.098 | 0.085 |
| 34 |  | 2 | 1 | 6.021 | 6.021 | 65 | 0.870 | 百叶遮阳0 | 0.148 | 0.129 |
| 35 |  | 2 | 1 | 2.905 | 2.905 | 65 | 0.870 | 百叶遮阳0 | 0.308 | 0.268 |
| 36 |  | 2 | 1 | 16.007 | 16.007 | 65 | 0.870 | 百叶遮阳0 | 0.125 | 0.109 |
| 37 |  | 3 | 1 | 3.938 | 3.938 | 65 | 0.870 | 百叶遮阳0 | 0.308 | 0.268 |
| 38 |  | 3~6 | 4 | 4.834 | 19.336 | 65 | 0.870 | 百叶遮阳0 | 0.147 | 0.128 |
| 39 |  | 3 | 1 | 3.949 | 3.949 | 65 | 0.870 | 百叶遮阳0 | 0.301 | 0.262 |
| 40 |  | 3 | 1 | 8.155 | 8.155 | 65 | 0.870 | 百叶遮阳0 | 0.310 | 0.270 |
| 41 |  | 3,9 | 13 | 3.870 | 50.310 | 65 | 0.870 | 百叶遮阳0 | 0.339 | 0.295 |
| 42 |  | 3 | 2 | 3.440 | 6.880 | 65 | 0.870 | 百叶遮阳0 | 0.341 | 0.297 |
| 43 |  | 3 | 1 | 3.891 | 3.891 | 65 | 0.870 | 百叶遮阳0 | 0.312 | 0.271 |
| 44 |  | 3 | 1 | 5.341 | 5.341 | 65 | 0.870 | 百叶遮阳0 | 0.300 | 0.261 |
| 45 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.870 | 百叶遮阳0 | 0.300 | 0.261 |
| 46 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.870 | 百叶遮阳0 | 0.290 | 0.252 |
| 47 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.870 | 百叶遮阳0 | 0.285 | 0.248 |
| 48 |  | 3 | 1 | 5.357 | 5.357 | 65 | 0.870 | 百叶遮阳0 | 0.270 | 0.235 |
| 49 |  | 3 | 1 | 3.942 | 3.942 | 65 | 0.870 | 百叶遮阳0 | 0.261 | 0.227 |
| 50 |  | 4~6 | 3 | 3.938 | 11.813 | 65 | 0.870 | 百叶遮阳0 | 0.149 | 0.130 |
| 51 |  | 4~6 | 3 | 3.949 | 11.848 | 65 | 0.870 | 百叶遮阳0 | 0.141 | 0.123 |
| 52 |  | 4~6 | 3 | 8.155 | 24.465 | 65 | 0.870 | 百叶遮阳0 | 0.149 | 0.130 |
| 53 |  | 4~8,10 | 46 | 3.870 | 178.020 | 65 | 0.870 | 百叶遮阳0 | 0.173 | 0.151 |
| 54 |  | 4~6 | 6 | 3.440 | 20.640 | 65 | 0.870 | 百叶遮阳0 | 0.175 | 0.152 |
| 55 |  | 4~6 | 3 | 3.891 | 11.672 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 56 |  | 4~6 | 3 | 5.341 | 16.024 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 57 |  | 4~6 | 3 | 3.942 | 11.825 | 65 | 0.870 | 百叶遮阳0 | 0.141 | 0.123 |
| 58 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.870 | 百叶遮阳0 | 0.130 | 0.113 |
| 59 |  | 4~6 | 3 | 3.942 | 11.825 | 65 | 0.870 | 百叶遮阳0 | 0.127 | 0.110 |
| 60 |  | 4~6 | 3 | 5.357 | 16.070 | 65 | 0.870 | 百叶遮阳0 | 0.117 | 0.102 |
| 61 |  | 4~6 | 3 | 3.942 | 11.825 | 65 | 0.870 | 百叶遮阳0 | 0.110 | 0.096 |
| 62 |  | 7 | 1 | 3.936 | 3.936 | 65 | 0.870 | 百叶遮阳0 | 0.149 | 0.130 |
| 63 |  | 7 | 1 | 4.967 | 4.967 | 65 | 0.870 | 百叶遮阳0 | 0.147 | 0.128 |
| 64 |  | 7 | 1 | 3.904 | 3.904 | 65 | 0.870 | 百叶遮阳0 | 0.141 | 0.123 |
| 65 |  | 7 | 1 | 8.132 | 8.132 | 65 | 0.870 | 百叶遮阳0 | 0.149 | 0.130 |
| 66 |  | 7 | 1 | 4.950 | 4.950 | 65 | 0.870 | 百叶遮阳0 | 0.147 | 0.128 |
| 67 |  | 7 | 1 | 3.921 | 3.921 | 65 | 0.870 | 百叶遮阳0 | 0.142 | 0.124 |
| 68 |  | 7 | 1 | 4.759 | 4.759 | 65 | 0.870 | 百叶遮阳0 | 0.139 | 0.121 |
| 69 |  | 7 | 1 | 3.868 | 3.868 | 65 | 0.870 | 百叶遮阳0 | 0.133 | 0.116 |
| 70 |  | 7 | 1 | 4.691 | 4.691 | 65 | 0.870 | 百叶遮阳0 | 0.127 | 0.110 |
| 71 |  | 7 | 1 | 3.937 | 3.937 | 65 | 0.870 | 百叶遮阳0 | 0.121 | 0.105 |
| 72 |  | 7 | 1 | 4.691 | 4.691 | 65 | 0.870 | 百叶遮阳0 | 0.112 | 0.097 |
| 73 |  | 7 | 1 | 3.918 | 3.918 | 65 | 0.870 | 百叶遮阳0 | 0.105 | 0.091 |
| 74 |  | 8 | 1 | 3.386 | 3.386 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 75 |  | 8 | 1 | 3.926 | 3.926 | 65 | 0.870 | 百叶遮阳0 | 0.148 | 0.129 |
| 76 |  | 8 | 1 | 3.441 | 3.441 | 65 | 0.870 | 百叶遮阳0 | 0.147 | 0.128 |
| 77 |  | 8 | 1 | 3.827 | 3.827 | 65 | 0.870 | 百叶遮阳0 | 0.141 | 0.123 |
| 78 |  | 8 | 1 | 5.600 | 5.600 | 65 | 0.870 | 百叶遮阳0 | 0.138 | 0.120 |
| 79 |  | 8 | 1 | 3.440 | 3.440 | 65 | 0.870 | 百叶遮阳0 | 0.165 | 0.144 |
| 80 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.170 | 0.148 |
| 81 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.174 | 0.151 |
| 82 |  | 8 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.174 | 0.151 |
| 83 |  | 8 | 1 | 3.439 | 3.439 | 65 | 0.870 | 百叶遮阳0 | 0.147 | 0.128 |
| 84 |  | 8 | 1 | 4.987 | 4.987 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 85 |  | 8 | 1 | 3.885 | 3.885 | 65 | 0.870 | 百叶遮阳0 | 0.142 | 0.124 |
| 86 |  | 8 | 1 | 4.727 | 4.727 | 65 | 0.870 | 百叶遮阳0 | 0.137 | 0.119 |
| 87 |  | 8 | 1 | 3.900 | 3.900 | 65 | 0.870 | 百叶遮阳0 | 0.132 | 0.115 |
| 88 |  | 8 | 1 | 4.691 | 4.691 | 65 | 0.870 | 百叶遮阳0 | 0.127 | 0.110 |
| 89 |  | 8 | 1 | 3.967 | 3.967 | 65 | 0.870 | 百叶遮阳0 | 0.121 | 0.105 |
| 90 |  | 8 | 1 | 4.661 | 4.661 | 65 | 0.870 | 百叶遮阳0 | 0.112 | 0.097 |
| 91 |  | 8 | 1 | 3.996 | 3.996 | 65 | 0.870 | 百叶遮阳0 | 0.105 | 0.091 |
| 92 |  | 9 | 1 | 3.386 | 3.386 | 65 | 0.870 | 百叶遮阳0 | 0.308 | 0.268 |
| 93 |  | 9 | 1 | 3.926 | 3.926 | 65 | 0.870 | 百叶遮阳0 | 0.307 | 0.267 |
| 94 |  | 9 | 1 | 3.441 | 3.441 | 65 | 0.870 | 百叶遮阳0 | 0.307 | 0.267 |
| 95 |  | 9 | 1 | 3.827 | 3.827 | 65 | 0.870 | 百叶遮阳0 | 0.301 | 0.262 |
| 96 |  | 9 | 1 | 5.600 | 5.600 | 65 | 0.870 | 百叶遮阳0 | 0.297 | 0.258 |
| 97 |  | 9 | 1 | 3.440 | 3.440 | 65 | 0.870 | 百叶遮阳0 | 0.329 | 0.286 |
| 98 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.333 | 0.290 |
| 99 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.339 | 0.295 |
| 100 |  | 9 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.339 | 0.295 |
| 101 |  | 9 | 1 | 3.439 | 3.439 | 65 | 0.870 | 百叶遮阳0 | 0.308 | 0.268 |
| 102 |  | 9 | 1 | 4.987 | 4.987 | 65 | 0.870 | 百叶遮阳0 | 0.299 | 0.260 |
| 103 |  | 9 | 1 | 3.885 | 3.885 | 65 | 0.870 | 百叶遮阳0 | 0.303 | 0.264 |
| 104 |  | 9 | 1 | 4.727 | 4.727 | 65 | 0.870 | 百叶遮阳0 | 0.297 | 0.258 |
| 105 |  | 9 | 1 | 3.900 | 3.900 | 65 | 0.870 | 百叶遮阳0 | 0.292 | 0.254 |
| 106 |  | 9 | 1 | 4.691 | 4.691 | 65 | 0.870 | 百叶遮阳0 | 0.284 | 0.247 |
| 107 |  | 9 | 1 | 3.967 | 3.967 | 65 | 0.870 | 百叶遮阳0 | 0.275 | 0.239 |
| 108 |  | 9 | 1 | 4.661 | 4.661 | 65 | 0.870 | 百叶遮阳0 | 0.262 | 0.228 |
| 109 |  | 9 | 1 | 3.996 | 3.996 | 65 | 0.870 | 百叶遮阳0 | 0.252 | 0.219 |
| 110 |  | 10 | 1 | 3.441 | 3.441 | 65 | 0.870 | 百叶遮阳0 | 0.151 | 0.131 |
| 111 |  | 10 | 1 | 3.926 | 3.926 | 65 | 0.870 | 百叶遮阳0 | 0.148 | 0.129 |
| 112 |  | 10 | 1 | 3.386 | 3.386 | 65 | 0.870 | 百叶遮阳0 | 0.147 | 0.128 |
| 113 |  | 10 | 1 | 3.888 | 3.888 | 65 | 0.870 | 百叶遮阳0 | 0.141 | 0.123 |
| 114 |  | 10 | 1 | 8.979 | 8.979 | 65 | 0.870 | 百叶遮阳0 | 0.148 | 0.129 |
| 115 |  | 10 | 1 | 3.870 | 3.870 | 65 | 0.870 | 百叶遮阳0 | 0.146 | 0.127 |
| 116 |  | 10 | 1 | 4.987 | 4.987 | 65 | 0.870 | 百叶遮阳0 | 0.140 | 0.122 |
| 117 |  | 10 | 1 | 3.885 | 3.885 | 65 | 0.870 | 百叶遮阳0 | 0.142 | 0.124 |
| 118 |  | 10 | 1 | 4.625 | 4.625 | 65 | 0.870 | 百叶遮阳0 | 0.138 | 0.120 |
| 119 |  | 10 | 1 | 4.002 | 4.002 | 65 | 0.870 | 百叶遮阳0 | 0.132 | 0.115 |
| 120 |  | 10 | 1 | 4.690 | 4.690 | 65 | 0.870 | 百叶遮阳0 | 0.127 | 0.110 |
| 121 |  | 10 | 1 | 3.966 | 3.966 | 65 | 0.870 | 百叶遮阳0 | 0.121 | 0.105 |
| 122 |  | 10 | 1 | 4.726 | 4.726 | 65 | 0.870 | 百叶遮阳0 | 0.112 | 0.097 |
| 123 |  | 10 | 1 | 3.863 | 3.863 | 65 | 0.870 | 百叶遮阳0 | 0.106 | 0.092 |
| 124 | C2021 | 2 | 5 | 4.449 | 22.243 | 18 | 0.261 | 百叶遮阳0 | 0.166 | 0.043 |
| 125 | C2122 | 2 | 1 | 4.449 | 4.449 | 18 | 0.261 | 百叶遮阳0 | 0.160 | 0.042 |
| 126 | C2122 | 2 | 1 | 4.449 | 4.449 | 18 | 0.261 | 百叶遮阳0 | 0.164 | 0.043 |
| 127 | C2122 | 2 | 3 | 4.449 | 13.346 | 18 | 0.261 | 百叶遮阳0 | 0.166 | 0.043 |
| 立面总面积(㎡) | | | | | 1028.123 | 综合太阳得热系数 | | | 0.178 | 0.150 |

### 总体热工性能

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 面积 | 传热系数 | 综合太阳得热系数 | 窗墙比 | 标准要求 | 结论 |
| 南向 | 南-默认立面 | 1284.96 | 0.58 | 0.13 | 0.59 | K≤2.00, SHGC≤0.40 | 满足 |
| 北向 | 北-默认立面 | 1395.05 | 0.60 | 0.19 | 0.56 | K≤2.00, SHGC(不要求) | 满足 |
| 东向 | 东-默认立面 | 275.90 | 0.72 | 0.11 | 0.36 | K≤2.40, SHGC≤0.48 | 满足 |
| 西向 | 西-默认立面 | 1028.12 | 0.58 | 0.15 | 0.70 | K≤1.90, SHGC≤0.35 | 满足 |
| 综合平均 |  | 3984.03 | 0.60 | 0.15 | 0.58 |  |  |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.1条 | | | | | | |
| 标准要求 | 外窗传热系数和太阳得热系数满足表3.3.1-3的要求 | | | | | | |
| 结论 | 满足 | | | | | | |

注：本表所统计的外窗包含凸窗。

## 周边地面构造

### 周边地面构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 | 厚度δ | 导热系数λ | 蓄热系数S | 修正系数 | 热阻R | 热惰性指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 钢筋混凝土 | 30 | 1.740 | 17.200 | 1.00 | 0.017 | 0.297 |
| 挤塑型聚苯板(xps)0.030\*1.1 | 20 | 0.033 | 0.514 | 1.05 | 0.577 | 0.312 |
| 钢筋混凝土 | 60 | 1.740 | 17.200 | 1.00 | 0.034 | 0.593 |
| 灰砂加气混泥土 | 150 | 0.138 | 2.149 | 1.00 | 1.087 | 2.336 |
| 轻质粘土 | 20 | 0.470 | 6.360 | 1.00 | 0.043 | 0.271 |
| 各层之和∑ | 300 | － | － | － | 1.780 | 4.052 |
| 保温材料层R | 1.66 | | | | | |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.1条 | | | | | |
| 标准要求 | R≥0.60 | | | | | |
| 结论 | 满足 | | | | | |

备注：用灰色显示的材料是非保温材料。

## 采暖地下室外墙构造

本工程无此项内容

## 变形缝

本工程无此项内容

## 有效通风换气面积

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 楼层 | 房间编号 | 房间面积（㎡） | | 立面面积（㎡） | 门窗编号 | 门窗面积（㎡） | 有效通风面积比 | 门窗类型 | 有效通风面积/外窗面积 | 有效通风面积/立面面积 | 结论 |
| 3 | 3003@3 | 337.78 | | 219.71 | C0921 | 1.68 | 0.30 | 外窗 | 0.30 | 0.08 | 不适宜 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.44 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.84 | 0.30 | 幕墙 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
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| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| 7 | 7001 | 337.63 | | 219.70 | C0921 | 1.68 | 0.30 | 外窗 | 0.30 | 0.08 | 不适宜 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.44 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
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| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| 8 | 8002@8 | 337.70 | | 219.70 | C0921 | 1.68 | 0.30 | 外窗 | 0.30 | 0.08 | 不适宜 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.44 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
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| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| 10 | 10003 | 337.92 | | 219.66 | 未编号 | 0.28 | 0.30 | 幕墙 | 0.30 | 0.08 | 不适宜 |
| 未编号 | 0.74 | 0.30 | 幕墙 |
| C0921 | 1.68 | 0.30 | 外窗 |
| 未编号 | 1.02 | 0.30 | 幕墙 |
| 未编号 | 0.15 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.44 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| 未编号 | 3.85 | 0.30 | 幕墙 |
| 未编号 | 3.87 | 0.30 | 幕墙 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
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| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| C0921 | 1.68 | 0.30 | 外窗 |
| 通风换气装置 | | | 有 | | | | | | | | |
| 标准依据 | | | 《公共建筑节能设计标准》(GB50189-2015)第3.2.8条 | | | | | | | | |
| 标准要求 | | | 甲类建筑外窗有效通风换气面积不宜小于所在房间立面面积的10% | | | | | | | | |
| 结论 | | | 满足 | | | | | | | | |

注：达标时只列出一项，不达标时列出全部不达标项

## 非中空窗面积比

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 非中空玻璃面积(㎡) | 透光面积(㎡) | 非中空面积比 | 限值 | 结论 |
| 南向 | 南-默认立面 | 0.00 | 1179.74 | 0.00 | 0.15 | 满足 |
| 北向 | 北-默认立面 | 0.00 | 1284.62 | 0.00 | 0.15 | 满足 |
| 东向 | 东-默认立面 | 0.00 | 262.46 | 0.00 | 0.15 | 满足 |
| 西向 | 西-默认立面 | 0.00 | 929.90 | 0.00 | 0.15 | 满足 |
| 标准依据 | | 《公共建筑节能设计标准》(GB50189-2015)第3.3.7条 | | | | |
| 标准要求 | | 非中空玻璃的面积不应超过同一立面透光面积的15% | | | | |
| 结论 | | 满足 | | | | |

## 外窗气密性

|  |  |  |
| --- | --- | --- |
| 层数 | 1～9层 | 10层以上 |
| 最不利气密性等级 | － | － |
| 外窗气密性措施 |  |  |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.5条，分级与检测方法《建筑外门窗气密、水密、抗风压性能分级及检测方法》（GB/T 7106-2008） | 《公共建筑节能设计标准》(GB50189-2015)第3.3.5条，分级与检测方法《建筑外门窗气密、水密、抗风压性能分级及检测方法》（GB/T 7106-2008） |
| 标准要求 | 10层以下外窗气密性不应低于《建筑外门窗气密、水密、抗风压性能分级及检测方法》（GB/T 7106-2008）的6级 | 10层及以上外窗气密性不应低于《建筑外门窗气密、水密、抗风压性能分级及检测方法》（GB/T 7106-2008）的7级 |
| 结论 | － | － |

## 外门气密性

|  |  |
| --- | --- |
| 最不利气密性等级 | － |
| 外门气密性措施 |  |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.5条，分级与检测方法《建筑外门窗气密、水密、抗风压性能分级及检测方法》（GB/T 7106-2008） |
| 标准要求 | 外门气密性不应低于《建筑外门窗气密、水密、抗风压性能分级及检测方法》（GB/T 7106-2008）的4级 |
| 结论 | － |

## 幕墙气密性

|  |  |
| --- | --- |
| 最不利气密性等级 | － |
| 幕墙气密性措施 |  |
| 通风换气装置 | 有 |
| 标准依据 | 《公共建筑节能设计标准》(GB50189-2015)第3.3.6条，《建筑幕墙》（GB/T 21086-2007） |
| 标准要求 | 幕墙气密性不应低于《建筑幕墙》（GB/T 21086-2007）的3级，即《建筑幕墙物理性能分级》(GB/T15225-94)的3级 |
| 结论 | － |

## 规定性指标检查结论

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 检查项 | 结论 | 可否性能权衡 |
| 1 | 体形系数 | 满足 |  |
| 2 | 窗墙比 | 适宜 |  |
| 3 | 可见光透射比 | 满足 |  |
| 4 | 天窗类型 | 无屋顶透光部分 |  |
| 5 | 屋顶构造 | 满足 |  |
| 6 | 外墙构造 | 满足 |  |
| 7 | 挑空楼板构造 | 满足 |  |
| 8 | 外窗热工 | 满足 |  |
| 9 | 周边地面构造 | 满足 |  |
| 10 | 有效通风换气面积 | 满足 |  |
| 11 | 非中空窗面积比 | 满足 |  |
| 12 | 外窗气密性 | 满足 |  |
| 13 | 外门气密性 | 满足 |  |
| 14 | 幕墙气密性 | 满足 |  |
| 结论 | | 满足 |  |

□说明：本工程所有规定性设计指标**满足**《公共建筑节能设计标准》(GB50189-2015)的要求。