**新建项目**

**热负荷计算书**

|  |  |
| --- | --- |
| 工程名称 | “时间隧道”京西煤矿博物馆 |
| 设计编号 |  |
| 建设单位 |  |
| 设计单位 |  |
| 计 算 人 |  |
| 校 对 人 |  |
| 审 核 人 |  |
| 计算日期 | 2023年2月11日 |



|  |  |
| --- | --- |
| 采用软件 | 暖通负荷BECH2022 |
| 软件版本 | 20210808(SP1) |
| 研发单位 | 北京绿建软件股份有限公司 |
| 正版授权码 | T13581925639 |

**目 录**

[1 建筑概况 1](#_Toc127014369)

[2 气象参数 1](#_Toc127014370)

[3 计算依据 1](#_Toc127014371)

[4 计算原理 1](#_Toc127014372)

[4.1 围护结构传热耗热量 1](#_Toc127014373)

[4.2 围护结构的附加耗热量 2](#_Toc127014374)

[4.3 冷风渗入耗热量 2](#_Toc127014375)

[4.4 新风耗热量 3](#_Toc127014376)

[4.5 通过其他途径的耗热量 3](#_Toc127014377)

[4.6 分户计量和间歇采暖热负荷 3](#_Toc127014378)

[5 外围护构造 4](#_Toc127014379)

[6 内围护构造 4](#_Toc127014380)

[7 封闭阳台构造 4](#_Toc127014381)

[8 地下围护构造 4](#_Toc127014382)

[9 窗构造 4](#_Toc127014383)

[10 门构造 4](#_Toc127014384)

[11 负荷指标 5](#_Toc127014385)

[12 房间热负荷汇总表(按楼层) 5](#_Toc127014386)

[13 房间热负荷详细表 6](#_Toc127014387)

# 建筑概况

|  |  |  |
| --- | --- | --- |
| 地理位置 | 北京-北京 | |
| 北纬 | 39.80 | |
| 东经 | 116.47 | |
| 建筑名称 | 新建项目 | |
| 建筑面积 | 地上 3426.60 ㎡ | 地下 0.00 ㎡ |
| 建筑高度 | 地上 15.00 m | 地下 0.00 m |
| 建筑层数 | 地上 4 | 地下 0 |
| 北向角度 | 59° | |

# 气象参数

|  |  |
| --- | --- |
| 大气透明度等级 | 4 |
| 室外计算温度(℃) | -9.0 |
| 冬季围护结构外表面换热系数αw(W/㎡· K) | 23.0 |
| 围护结构内表面换热系数αn(W/㎡· K) | 8.7 |

# 计算依据

1. 《民用建筑供暖通风与空气调节设计规范》GB50736-2012.中国建筑工业出版社，2012

2. 《全国民用建筑工程设计技术措施/暖通空调·动力》.中国计划出版社，2009

3. 《建筑设备专业技术措施》.中国建筑工业出版社，2006

4. 《严寒和寒冷地区居住建筑节能设计标准》JGJ26-2010.中国建筑工业出版社，2010

5. 《公共建筑节能设计标准》GB50189-2015.中国建筑工业出版社，2015

# 计算原理

## 围护结构传热耗热量

围护结构的传热耗热量由基本耗热量和附加耗热量构成。

围护结构的基本耗热量按下式计算：



式中：

Q——围护结构的基本耗热量（W）；

α——围护结构温差修正系数；

F——围护结构的面积（㎡） ；

K——围护结构的传热系数〔W /（㎡•℃）〕；

tn——采暖室内计算温度（℃）；

twn——采暖室外计算温度或邻室计算温度（℃）。

## 围护结构的附加耗热量

该项耗热量按其占基本耗热量的百分率确定。

Q1 =(Q +1 .Q +2 .Q +3 .Q)(1+4)=(1+1+2+3)(1+4)Q



式中：

Q —— 围护结构基本耗热量

Q1—— 围护结构传热耗热量

α1——朝向修正率：

α2——风力附加率

α3——外门附加率

α4——高度附加率，附加于围护结构的基本耗热量和其他附加耗热量之和上。

## 冷风渗入耗热量

冷风渗透耗热量有缝隙法、换气次数法和百分率法三种供选择。

（1）、缝隙法

◆加热由外窗、阳台外门窗缝隙渗人室内的冷空气的耗热量，按下式计算：



式中：

Q——由门窗缝隙渗人室内的冷空气的耗热量（W）；

Cp——空气的定压比热容；

ρwn——采暖室外计算温度下的空气密度（kg/m³）；

tn——采暖室内计算温度（℃）；

twn——采暖室外计算温度（℃）；

L——渗透冷空气量（m³/h），根据不同的朝向，按下列计算公式确定：



式中：

L0——在基准高度单纯风压作用下，不考虑朝向修正和建筑物内部隔断情况时，通过每米门窗缝隙进入室内的理论渗透冷空气量 [m³/（m·h）]；

l1——外门窗缝隙的长度(m)；

m——风压与热压共同作用下，不同朝向、不同高度的门窗冷风渗透压差综合修正系数；

b——门窗缝隙渗风指数，b=0.56～0.78，当无实测数据时，可取 b =0.67。

（2）、换气次数法：

多层建筑的渗透冷空气量，当无相关数据时，按以下公式计算：



式中：

V——房间体积（ m3 ）；

k——换气次数（次／h），用户输入。

（3）、百分率附加法：

工业建筑，加热由门窗缝隙渗人室内的冷空气的耗热量，可按下表估算：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 建筑物高度（m） | | ＜4.5 | 4.5～10.0 | ＞10.0 |
| 玻璃窗层数 | 单层 | 25 | 35 | 40 |
| 单、双层均有 | 20 | 30 | 35 |
| 双层 | 15 | 25 | 30 |

## 新风耗热量

对于空调热负荷，采用热风采暖。房间的新风负荷按下式计算：

Q=0.28L(-)(1-η１ζ)



式中：

L —— 房间的设计新风量(m3/h)，用户输入；

η１——显热回收效率（0～１），没有热回收时为0

ζ——排风比例（０～１），即热回收装置的排风量/新风量

hn——室内焓

hw——室外焓

## 通过其他途径的耗热量

通过其他途径的耗热量包括：水分蒸发的耗热量、加热由外部运人的冷物料和运输工具的耗热量、热管道以及其他表面的散热量等。

## 分户计量和间歇采暖热负荷



式中：

Q1——围护结构耗热量、冷风渗透耗热量、新风耗热量和其他耗热量之和；

α——间歇采暖采暖修正系数；

Q户间——户间传热，不计入系统负荷和整个建筑负荷，只作为选取房间供暖设备设施的依据,有两种可选方法来计算：

（1）单位面积法，按下式计算：



式中：

q ——单位使用面积的户间传热量；

M ——房间使用面积。

（2）计算温差法，户间传热量不宜大于房间热负荷的50%，按下式计算：



式中：

P ——同时产生传热的概率系数：

Fi——第i个户间传热围护结构的传热面积；

ki——第i个户间传热围护结构的传热系数；

△t——户间传热温差，宜取5到6℃。

# 外围护构造

|  |  |  |
| --- | --- | --- |
| 围护结构 | 构造名称 | 冬季传热系数K=1/(0.11+∑R+0.04) (W/㎡.K) |
| 屋顶 | 屋顶构造一 | 0.217 |
| 外墙 | 外墙构造一 | 0.255 |
| 挑空楼板 | 挑空楼板构造一 | 0.255 |

# 内围护构造

|  |  |  |
| --- | --- | --- |
| 围护结构 | 构造名称 | 传热系数K=1/(0.11+∑R+0.11) (W/㎡.K) |
| 内墙 | 控温房间隔墙构造一 | 1.925 |
| 楼板 | 控温房间楼板构造一 | 2.984 |

# 封闭阳台构造

本工程无此项内容

# 地下围护构造

|  |  |  |
| --- | --- | --- |
| 围护结构 | 构造名称 | 冬季传热系数K |
| 周边地面 | 周边地面构造一 | 0.302 |
| 非周边地面 | 非周边地面构造一 | 0.3 |

# 窗构造

|  |  |  |
| --- | --- | --- |
| 做法名称 | 传热系数W/㎡.K | 遮阳系数 |
| 断桥铝合金+6mm透明+12mm空气+6透明(内置百叶水平打开） | 2.20 | 0.40 |
| 5mm纳米镀膜（HJ-N-系）+12A(空气)+5mm玻璃（暖边密封） | 2.00 | 0.50 |
| 上限-60系列平开铝合金隔热窗5+0.12V+5+9A+5LowE | 1.90 | 0.30 |

# 门构造

|  |  |
| --- | --- |
| 做法名称 | 传热系数W/㎡.K |
| 保温门（多功能门） | 1.97 |
| 内门 | 3.00 |

# 负荷指标

|  |  |  |
| --- | --- | --- |
| 整楼负荷(W) | 建筑面积(㎡) | 负荷指标(W/㎡) |
| 133949 | 3426.60 | 39.09 |
| 采暖面积(㎡) | 负荷指标(W/㎡) |
| 3307.10 | 40.50 |

# 房间热负荷汇总表(按楼层)

| 楼层 | 房间 | 面积 | 室内温度 | 围护 结构 | 冷风 渗透 | 冷风 渗透 | 间歇 采暖 | 户间 传热 | 热负荷(不含户间) | 热负荷(含户间) | 指标(不含户间) | 指标(含户间) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㎡ | ℃ | W | W | W | W | W | W | W | W/㎡ | W/㎡ |
| 1层 | 1001[展厅] | 522.97 | 20 | 15105 | 813 | 0 | 1592 | 5230 | 17510 | 22740 | 33.5 | 43.5 |
| **合计** | **522.97** |  | **15105** | **813** | **0** | **1592** |  | **12281** |  | **23.5** |  |
| 2层 | 3001[展厅] | 1026.66 | 20 | 54208 | 2453 | 0 | 5666 | 10267 | 62327 | 72594 | 60.7 | 70.7 |
| 3002[观演-演播厅] | 489.29 | 20 | 12613 | 310 | 0 | 1292 | 4893 | 14216 | 19109 | 29.1 | 39.1 |
| 3004[大厅上空] | 229.37 | 20 | 3206 | 184 | 0 | 339 | 2294 | 3729 | 6023 | 16.3 | 26.3 |
| 3005[锅炉房] | 128.56 | 20 | 1870 | 17 | 0 | 189 | 1286 | 2076 | 3361 | 16.1 | 26.1 |
| 3006[走廊] | 117.63 | 16 | 2265 | 376 | 0 | 264 | 1176 | 2906 | 4082 | 24.7 | 34.7 |
| 3007[冷冻机房] | 107.06 | 20 | 2661 | 233 | 0 | 289 | 1071 | 3184 | 4254 | 29.7 | 39.7 |
| 3008[走廊] | 85.37 | 16 | -153 | 92 | 0 | 0 | 854 | -60 | 793 | -0.7 | 9.3 |
| 3009[办公-普通办公室] | 60.69 | 20 | 2197 | 198 | 0 | 239 | 607 | 2634 | 3241 | 43.4 | 53.4 |
| 3010[办公-普通办公室] | 55.37 | 20 | 1998 | 0 | 0 | 200 | 554 | 2197 | 2751 | 39.7 | 49.7 |
| 3011[办公-普通办公室] | 45.88 | 20 | 942 | 0 | 0 | 94 | 459 | 1036 | 1495 | 22.6 | 32.6 |
| 3012[办公-普通办公室] | 43.24 | 20 | 1337 | 0 | 0 | 134 | 432 | 1470 | 1903 | 34.0 | 44.0 |
| 3013[卫生间] | 27.81 | 20 | 781 | 40 | 0 | 82 | 278 | 903 | 1181 | 32.5 | 42.5 |
| 3014[值班室] | 21.29 | 20 | 726 | 80 | 0 | 81 | 213 | 887 | 1099 | 41.6 | 51.6 |
| 3015[消防] | 20.69 | 20 | 863 | 120 | 0 | 98 | 207 | 1081 | 1288 | 52.3 | 62.3 |
| 3016[办公-普通办公室] | 18.37 | 20 | 519 | 64 | 0 | 58 | 184 | 641 | 825 | 34.9 | 44.9 |
| 3017[走廊] | 17.00 | 16 | -169 | 13 | 0 | 0 | 170 | -156 | 14 | -9.2 | 0.8 |
| 3018[卫生间] | 9.49 | 20 | 308 | 64 | 0 | 37 | 95 | 409 | 504 | 43.1 | 53.1 |
| 3019[卫生间] | 8.64 | 20 | 286 | 64 | 0 | 35 | 86 | 386 | 472 | 44.6 | 54.6 |
| 3020[卫生间] | 7.10 | 20 | 149 | 0 | 0 | 15 | 71 | 164 | 235 | 23.0 | 33.0 |
| 3021[卫生间] | 6.03 | 20 | 140 | 0 | 0 | 14 | 60 | 154 | 215 | 25.6 | 35.6 |
| 3022[卫生间] | 2.57 | 20 | 132 | 0 | 0 | 13 | 26 | 145 | 171 | 56.5 | 66.5 |
| 3023[卫生间] | 2.38 | 20 | 33 | 0 | 0 | 3 | 24 | 36 | 60 | 15.1 | 25.1 |
| 3024[卫生间] | 2.37 | 20 | 32 | 0 | 0 | 3 | 24 | 36 | 59 | 15.1 | 25.1 |
| 3025[卫生间] | 2.11 | 20 | 29 | 0 | 0 | 3 | 21 | 32 | 53 | 15.1 | 25.1 |
| 3026[卫生间] | 1.87 | 20 | 44 | 0 | 0 | 4 | 19 | 49 | 67 | 25.9 | 35.9 |
| 3027[卫生间] | 1.70 | 20 | 40 | 0 | 0 | 4 | 17 | 44 | 61 | 25.9 | 35.9 |
| 3028[卫生间] | 1.67 | 20 | 39 | 0 | 0 | 4 | 17 | 42 | 59 | 25.4 | 35.4 |
| 3029[卫生间] | 1.51 | 20 | 149 | 8 | 0 | 16 | 15 | 173 | 188 | 114.7 | 124.7 |
| **合计** | **2312.36** |  | **87244** | **4318** | **0** | **9178** |  | **75322** |  | **32.6** |  |
| 3层 | 4001[锅炉房上空] | 131.22 | 20 | 2351 | 0 | 0 | 235 | 1312 | 2586 | 3898 | 19.7 | 29.7 |
| 4002[走廊] | 102.15 | 16 | -226 | 50 | 0 | 0 | 1021 | -176 | 845 | -1.7 | 8.3 |
| 4003[商场-一般商店] | 93.71 | 20 | 4600 | 358 | 0 | 496 | 937 | 5454 | 6391 | 58.2 | 68.2 |
| 4004[办公-普通办公室] | 28.89 | 20 | 960 | 87 | 0 | 105 | 289 | 1151 | 1440 | 39.8 | 49.8 |
| 4005[办公-普通办公室] | 25.85 | 20 | 651 | 0 | 0 | 65 | 259 | 716 | 974 | 27.7 | 37.7 |
| 4006[卫生间] | 7.29 | 20 | 115 | 0 | 0 | 12 | 73 | 127 | 200 | 17.4 | 27.4 |
| 4007[卫生间] | 6.24 | 20 | 114 | 0 | 0 | 11 | 62 | 125 | 188 | 20.1 | 30.1 |
| 4008[卫生间] | 1.70 | 20 | 27 | 0 | 0 | 3 | 17 | 30 | 47 | 17.8 | 27.8 |
| 4009[卫生间] | 1.66 | 20 | 27 | 0 | 0 | 3 | 17 | 30 | 46 | 17.8 | 27.8 |
| 4010[卫生间] | 1.51 | 20 | 138 | 0 | 0 | 14 | 15 | 152 | 167 | 100.5 | 110.5 |
| 4011[卫生间] | 1.48 | 20 | 23 | 0 | 0 | 2 | 15 | 26 | 40 | 17.3 | 27.3 |
| **合计** | **270.47** |  | **8780** | **495** | **0** | **945** |  | **6203** |  | **22.9** |  |
| 4层 | 5001[走廊] | 75.46 | 16 | 531 | 23 | 0 | 55 | 755 | 610 | 1365 | 8.1 | 18.1 |
| 5002[办公-普通办公室] | 28.31 | 20 | 1082 | 41 | 0 | 112 | 283 | 1236 | 1519 | 43.6 | 53.6 |
| 5003[办公-普通办公室] | 27.23 | 20 | 1016 | 41 | 0 | 106 | 272 | 1163 | 1435 | 42.7 | 52.7 |
| 5004[办公-普通办公室] | 26.45 | 20 | 788 | 0 | 0 | 79 | 264 | 867 | 1131 | 32.8 | 42.8 |
| 5005[办公-普通办公室] | 25.26 | 20 | 721 | 0 | 0 | 72 | 253 | 793 | 1045 | 31.4 | 41.4 |
| 5006[卫生间] | 6.66 | 20 | 167 | 0 | 0 | 17 | 67 | 184 | 251 | 27.6 | 37.6 |
| 5007[卫生间] | 5.66 | 20 | 153 | 0 | 0 | 15 | 57 | 169 | 225 | 29.8 | 39.8 |
| 5008[卫生间] | 1.70 | 20 | 38 | 0 | 0 | 4 | 17 | 42 | 59 | 24.7 | 34.7 |
| 5009[卫生间] | 1.62 | 20 | 120 | 0 | 0 | 12 | 16 | 132 | 148 | 81.4 | 91.4 |
| 5010[卫生间] | 1.51 | 20 | 147 | 0 | 0 | 15 | 15 | 162 | 177 | 107.3 | 117.3 |
| 5011[卫生间] | 1.44 | 20 | 112 | 0 | 0 | 11 | 14 | 123 | 137 | 85.5 | 95.5 |
| **合计** | **201.30** |  | **4876** | **105** | **0** | **498** |  | **3466** |  | **17.2** |  |
| **总计** | | **3307.10** |  | **116006** | **5731** | **0** | **12213** |  | **133949** |  | **40.5** |  |

说明：上表中合计和总计面积为采暖面积。

# 房间热负荷详细表

| 房间 | 传热项 | 面积 | 传热 系数 | 室 温 | 计算 温差 | 温差 修正 | 基本 耗热 | 朝向 修正 | 风力 附加 | 外门 附加 | 附加后 耗热量 | 高度 附加 | 热负荷 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㎡ | W/㎡· K | ℃ | ℃ |  | W |  |  |  | W |  | W |
| 1001[展厅] | 屋顶 | 234.81 | 0.22 | 20 | 29.0 | 1.0 | 1477.6 | 0.00 | 0.00 | 0.00 | 1477.6 | 0.04 | 1536.7 |
| 西北外墙 | 302.84 | 0.26 | 20 | 29.0 | 1.0 | 2239.5 | 0.05 | 0.00 | 0.00 | 2351.5 | 0.04 | 2445.5 |
| 东北外墙 | 69.60 | 0.26 | 20 | 29.0 | 1.0 | 514.7 | 0.05 | 0.00 | 0.00 | 540.5 | 0.04 | 562.1 |
| 东南外墙 | 282.38 | 0.26 | 20 | 29.0 | 1.0 | 2088.2 | -0.10 | 0.00 | 0.00 | 1879.4 | 0.04 | 1954.6 |
| 西南外墙 | 70.01 | 0.26 | 20 | 29.0 | 1.0 | 517.7 | -0.10 | 0.00 | 0.00 | 465.9 | 0.04 | 484.6 |
| 东北外窗 | 10.00 | 2.20 | 20 | 29.0 | 1.0 | 638.0 | 0.05 | 0.00 | 0.00 | 669.9 | 0.04 | 696.7 |
| 西南外窗 | 20.00 | 2.20 | 20 | 29.0 | 1.0 | 1276.0 | -0.10 | 0.00 | 0.00 | 1148.4 | 0.04 | 1194.3 |
| 东北外门 | 7.56 | 1.97 | 20 | 29.0 | 1.0 | 432.3 | 0.05 | 0.00 | 0.00 | 454.0 | 0.04 | 472.1 |
| 东南外门 | 18.90 | 1.97 | 20 | 29.0 | 1.0 | 1080.9 | -0.10 | 0.00 | 0.00 | 972.8 | 0.04 | 1011.7 |
| 非周边地面 | 278.56 | 0.30 | 20 | 29.0 | 1.0 | 2423.5 |  |  | 0.00 | 2423.5 | 0.04 | 2520.4 |
| 周边地面 | 244.44 | 0.30 | 20 | 29.0 | 1.0 | 2140.8 |  |  | 0.00 | 2140.8 | 0.04 | 2226.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 813.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 1591.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 5229.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **22740** |
| 1层 | |  | | | | | | | | | | | **17510** |
| 3001[展厅] | 屋顶 | 924.06 | 0.22 | 20 | 29.0 | 1.0 | 5815.1 | 0.00 | 0.00 | 0.00 | 5815.1 | 0.00 | 5815.1 |
| 东北外墙 | 104.04 | 0.26 | 20 | 29.0 | 1.0 | 769.4 | 0.05 | 0.00 | 0.00 | 807.8 | 0.00 | 807.8 |
| 东南外墙 | 388.99 | 0.26 | 20 | 29.0 | 1.0 | 2876.6 | -0.10 | 0.00 | 0.00 | 2589.0 | 0.00 | 2589.0 |
| 西南外墙 | 126.26 | 0.26 | 20 | 29.0 | 1.0 | 933.7 | -0.10 | 0.00 | 0.00 | 840.3 | 0.00 | 840.3 |
| 西北外墙 | 342.10 | 0.26 | 20 | 29.0 | 1.0 | 2529.9 | 0.05 | 0.00 | 0.00 | 2656.3 | 0.00 | 2656.3 |
| 东北玻璃幕墙 | 91.54 | 2.00 | 20 | 29.0 | 1.0 | 5309.3 | 0.05 | 0.00 | 0.00 | 5574.8 | 0.00 | 5574.8 |
| 东南玻璃幕墙 | 27.43 | 2.00 | 20 | 29.0 | 1.0 | 1591.1 | -0.10 | 0.00 | 0.00 | 1432.0 | 0.00 | 1432.0 |
| 西南玻璃幕墙 | 108.95 | 2.00 | 20 | 29.0 | 1.0 | 6318.9 | -0.10 | 0.00 | 0.00 | 5687.0 | 0.00 | 5687.0 |
| 西北玻璃幕墙 | 51.58 | 2.00 | 20 | 29.0 | 1.0 | 2991.8 | 0.05 | 0.00 | 0.00 | 3141.3 | 0.00 | 3141.3 |
| 东北外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | 0.05 | 0.00 | 0.00 | 301.5 | 0.00 | 301.5 |
| 东南外窗 | 89.64 | 2.20 | 20 | 29.0 | 1.0 | 5719.0 | -0.10 | 0.00 | 0.00 | 5147.1 | 0.00 | 5147.1 |
| 西南外窗 | 23.94 | 2.20 | 20 | 29.0 | 1.0 | 1527.4 | -0.10 | 0.00 | 0.00 | 1374.6 | 0.00 | 1374.6 |
| 西北外窗 | 73.44 | 2.20 | 20 | 29.0 | 1.0 | 4685.5 | 0.05 | 0.00 | 0.00 | 4919.7 | 0.00 | 4919.7 |
| 天窗 | 102.76 | 1.90 | 20 | 29.0 | 1.0 | 5662.0 | 0.00 | 0.00 | 0.00 | 5662.0 | 0.00 | 5662.0 |
| 东北外门 | 1.89 | 1.97 | 20 | 29.0 | 1.0 | 108.1 | 0.05 | 0.00 | 0.00 | 113.5 | 0.00 | 113.5 |
| 东南外门 | 3.96 | 1.97 | 20 | 29.0 | 1.0 | 226.5 | -0.10 | 0.00 | 0.00 | 203.8 | 0.00 | 203.8 |
| 西北外门 | 5.85 | 1.97 | 20 | 29.0 | 1.0 | 334.5 | 0.05 | 0.00 | 0.00 | 351.3 | 0.00 | 351.3 |
| 西南外门 | 3.78 | 1.97 | 20 | 29.0 | 1.0 | 216.2 | -0.10 | 0.00 | 0.00 | 194.6 | 0.00 | 194.6 |
| 内墙 | 10.65 | 1.93 | 20 | 4.0 | 1.0 | 82.0 | 0.00 | 0.00 | 0.00 | 82.0 | 0.00 | 82.0 |
| 内墙 | 12.40 | 1.93 | 20 | 4.0 | 1.0 | 95.4 | 0.00 | 0.00 | 0.00 | 95.4 | 0.00 | 95.4 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 内门 | 3.30 | 3.00 | 20 | 4.0 | 1.0 | 39.6 | 0.00 | 0.00 | 0.00 | 39.6 | 0.00 | 39.6 |
| 挑空楼板 | 967.79 | 0.26 | 20 | 29.0 | 1.0 | 7156.8 | 0.00 | 0.00 | 0.00 | 7156.8 | 0.00 | 7156.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 2452.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 5666.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 10266.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **72594** |
| 3002[观演-演播厅] | 屋顶 | 489.29 | 0.22 | 20 | 29.0 | 1.0 | 3079.1 | 0.00 | 0.00 | 0.00 | 3079.1 | 0.00 | 3079.1 |
| 东北外墙 | 48.78 | 0.26 | 20 | 29.0 | 1.0 | 360.7 | 0.05 | 0.00 | 0.00 | 378.8 | 0.00 | 378.8 |
| 西北外墙 | 168.02 | 0.26 | 20 | 29.0 | 1.0 | 1242.5 | 0.05 | 0.00 | 0.00 | 1304.6 | 0.00 | 1304.6 |
| 西南外墙 | 81.23 | 0.26 | 20 | 29.0 | 1.0 | 600.7 | -0.10 | 0.00 | 0.00 | 540.6 | 0.00 | 540.6 |
| 东南外墙 | 168.02 | 0.26 | 20 | 29.0 | 1.0 | 1242.5 | -0.10 | 0.00 | 0.00 | 1118.2 | 0.00 | 1118.2 |
| 西北外窗 | 10.80 | 2.20 | 20 | 29.0 | 1.0 | 689.0 | 0.05 | 0.00 | 0.00 | 723.5 | 0.00 | 723.5 |
| 西南外窗 | 17.28 | 2.20 | 20 | 29.0 | 1.0 | 1102.5 | -0.10 | 0.00 | 0.00 | 992.2 | 0.00 | 992.2 |
| 东南外窗 | 10.80 | 2.20 | 20 | 29.0 | 1.0 | 689.0 | -0.10 | 0.00 | 0.00 | 620.1 | 0.00 | 620.1 |
| 东北外门 | 3.96 | 1.97 | 20 | 29.0 | 1.0 | 226.5 | 0.05 | 0.00 | 0.00 | 237.8 | 0.00 | 237.8 |
| 挑空楼板 | 489.29 | 0.26 | 20 | 29.0 | 1.0 | 3618.3 | 0.00 | 0.00 | 0.00 | 3618.3 | 0.00 | 3618.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 310.1 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 1292.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 4892.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **19109** |
| 3004[大厅上空] | 屋顶 | 229.38 | 0.22 | 20 | 29.0 | 1.0 | 1443.5 | 0.00 | 0.00 | 0.00 | 1443.5 | 0.00 | 1443.5 |
| 东北外墙 | 43.58 | 0.26 | 20 | 29.0 | 1.0 | 322.3 | 0.05 | 0.00 | 0.00 | 338.4 | 0.00 | 338.4 |
| 东南外墙 | 48.15 | 0.26 | 20 | 29.0 | 1.0 | 356.1 | -0.10 | 0.00 | 0.00 | 320.5 | 0.00 | 320.5 |
| 西南外墙 | 41.24 | 0.26 | 20 | 29.0 | 1.0 | 305.0 | -0.10 | 0.00 | 0.00 | 274.5 | 0.00 | 274.5 |
| 西北外墙 | 20.54 | 0.26 | 20 | 29.0 | 1.0 | 151.9 | 0.05 | 0.00 | 0.00 | 159.5 | 0.00 | 159.5 |
| 西北外窗 | 10.00 | 2.20 | 20 | 29.0 | 1.0 | 638.0 | 0.05 | 0.00 | 0.00 | 669.9 | 0.00 | 669.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 183.7 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 339.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 2293.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **6023** |
| 3005[锅炉房] | 东南外墙 | 13.75 | 0.26 | 20 | 29.0 | 1.0 | 101.7 | -0.10 | 0.00 | 0.00 | 91.5 | 0.00 | 91.5 |
| 西南外墙 | 34.70 | 0.26 | 20 | 29.0 | 1.0 | 256.6 | -0.10 | 0.00 | 0.00 | 230.9 | 0.00 | 230.9 |
| 东南外窗 | 3.15 | 2.20 | 20 | 29.0 | 1.0 | 201.0 | -0.10 | 0.00 | 0.00 | 180.9 | 0.00 | 180.9 |
| 内墙 | 48.11 | 1.93 | 20 | 4.0 | 1.0 | 370.4 | 0.00 | 0.00 | 0.00 | 370.4 | 0.00 | 370.4 |
| 内门 | 3.78 | 3.00 | 20 | 4.0 | 1.0 | 45.4 | 0.00 | 0.00 | 0.00 | 45.4 | 0.00 | 45.4 |
| 挑空楼板 | 128.56 | 0.26 | 20 | 29.0 | 1.0 | 950.7 | 0.00 | 0.00 | 0.00 | 950.7 | 0.00 | 950.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 17.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 188.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1285.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3361** |
| 3006[走廊] | 屋顶 | 12.67 | 0.22 | 16 | 25.0 | 1.0 | 68.7 | 0.00 | 0.00 | 0.00 | 68.7 | 0.00 | 68.7 |
| 顶板 | 13.18 | 2.98 | 16 | -4.0 | 1.0 | -157.3 | 0.00 | 0.00 | 0.00 | -157.3 | 0.00 | -157.3 |
| 顶板 | 11.79 | 2.98 | 16 | -4.0 | 1.0 | -140.8 | 0.00 | 0.00 | 0.00 | -140.8 | 0.00 | -140.8 |
| 顶板 | 1.38 | 2.98 | 16 | -4.0 | 1.0 | -16.5 | 0.00 | 0.00 | 0.00 | -16.5 | 0.00 | -16.5 |
| 顶板 | 0.67 | 2.98 | 16 | -4.0 | 1.0 | -8.0 | 0.00 | 0.00 | 0.00 | -8.0 | 0.00 | -8.0 |
| 顶板 | 0.62 | 2.98 | 16 | -4.0 | 1.0 | -7.5 | 0.00 | 0.00 | 0.00 | -7.5 | 0.00 | -7.5 |
| 东北外墙 | 64.54 | 0.26 | 16 | 25.0 | 1.0 | 411.4 | 0.05 | 0.00 | 0.00 | 432.0 | 0.00 | 432.0 |
| 东南外墙 | 5.49 | 0.26 | 16 | 25.0 | 1.0 | 35.0 | -0.10 | 0.00 | 0.00 | 31.5 | 0.00 | 31.5 |
| 西南外墙 | 4.01 | 0.26 | 16 | 25.0 | 1.0 | 25.6 | -0.10 | 0.00 | 0.00 | 23.0 | 0.00 | 23.0 |
| 东北玻璃幕墙 | 12.71 | 2.00 | 16 | 25.0 | 1.0 | 635.7 | 0.05 | 0.00 | 0.00 | 667.5 | 0.00 | 667.5 |
| 西南玻璃幕墙 | 12.71 | 2.00 | 16 | 25.0 | 1.0 | 635.7 | -0.10 | 0.00 | 0.00 | 572.1 | 0.00 | 572.1 |
| 东北外窗 | 11.70 | 2.20 | 16 | 25.0 | 1.0 | 643.5 | 0.05 | 0.00 | 0.00 | 675.7 | 0.00 | 675.7 |
| 东南外窗 | 1.62 | 2.20 | 16 | 25.0 | 1.0 | 89.1 | -0.10 | 0.00 | 0.00 | 80.2 | 0.00 | 80.2 |
| 西南外窗 | 0.90 | 2.20 | 16 | 25.0 | 1.0 | 49.5 | -0.10 | 0.00 | 0.00 | 44.6 | 0.00 | 44.6 |
| 东北外门 | 5.85 | 1.97 | 16 | 25.0 | 1.0 | 288.4 | 0.05 | 0.00 | 0.00 | 302.8 | 0.00 | 302.8 |
| 西南外门 | 1.89 | 1.97 | 16 | 25.0 | 1.0 | 93.2 | -0.10 | 0.00 | 0.00 | 83.9 | 0.00 | 83.9 |
| 内墙 | 48.11 | 1.93 | 16 | -4.0 | 1.0 | -370.4 | 0.00 | 0.00 | 0.00 | -370.4 | 0.00 | -370.4 |
| 内墙 | 3.94 | 1.93 | 16 | -4.0 | 1.0 | -30.3 | 0.00 | 0.00 | 0.00 | -30.3 | 0.00 | -30.3 |
| 内墙 | 3.56 | 1.93 | 16 | -4.0 | 1.0 | -27.4 | 0.00 | 0.00 | 0.00 | -27.4 | 0.00 | -27.4 |
| 内墙 | 9.48 | 1.93 | 16 | -4.0 | 1.0 | -73.0 | 0.00 | 0.00 | 0.00 | -73.0 | 0.00 | -73.0 |
| 内墙 | 6.46 | 1.93 | 16 | -4.0 | 1.0 | -49.8 | 0.00 | 0.00 | 0.00 | -49.8 | 0.00 | -49.8 |
| 内墙 | 58.38 | 1.93 | 16 | -4.0 | 1.0 | -449.5 | 0.00 | 0.00 | 0.00 | -449.5 | 0.00 | -449.5 |
| 内门 | 3.78 | 3.00 | 16 | -4.0 | 1.0 | -45.4 | 0.00 | 0.00 | 0.00 | -45.4 | 0.00 | -45.4 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 3.78 | 3.00 | 16 | -4.0 | 1.0 | -45.4 | 0.00 | 0.00 | 0.00 | -45.4 | 0.00 | -45.4 |
| 挑空楼板 | 117.63 | 0.26 | 16 | 25.0 | 1.0 | 749.9 | 0.00 | 0.00 | 0.00 | 749.9 | 0.00 | 749.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 376.1 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 264.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1176.3 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4082** |
| 3007[冷冻机房] | 顶板 | 24.83 | 2.98 | 20 | 4.0 | 1.0 | 296.3 | 0.00 | 0.00 | 0.00 | 296.3 | 0.00 | 296.3 |
| 西北外墙 | 25.90 | 0.26 | 20 | 29.0 | 1.0 | 191.5 | 0.05 | 0.00 | 0.00 | 201.1 | 0.00 | 201.1 |
| 西南外墙 | 25.01 | 0.26 | 20 | 29.0 | 1.0 | 185.0 | -0.10 | 0.00 | 0.00 | 166.5 | 0.00 | 166.5 |
| 西北外窗 | 6.75 | 2.20 | 20 | 29.0 | 1.0 | 430.7 | 0.05 | 0.00 | 0.00 | 452.2 | 0.00 | 452.2 |
| 西南外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | -0.10 | 0.00 | 0.00 | 258.4 | 0.00 | 258.4 |
| 内墙 | 58.38 | 1.93 | 20 | 4.0 | 1.0 | 449.5 | 0.00 | 0.00 | 0.00 | 449.5 | 0.00 | 449.5 |
| 内门 | 3.78 | 3.00 | 20 | 4.0 | 1.0 | 45.4 | 0.00 | 0.00 | 0.00 | 45.4 | 0.00 | 45.4 |
| 挑空楼板 | 107.06 | 0.26 | 20 | 29.0 | 1.0 | 791.7 | 0.00 | 0.00 | 0.00 | 791.7 | 0.00 | 791.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 233.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 289.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1070.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4254** |
| 3008[走廊] | 屋顶 | 85.35 | 0.22 | 16 | 25.0 | 1.0 | 463.0 | 0.00 | 0.00 | 0.00 | 463.0 | 0.00 | 463.0 |
| 东北外墙 | 54.79 | 0.26 | 16 | 25.0 | 1.0 | 349.3 | 0.05 | 0.00 | 0.00 | 366.8 | 0.00 | 366.8 |
| 西北外墙 | 9.19 | 0.26 | 16 | 25.0 | 1.0 | 58.6 | 0.05 | 0.00 | 0.00 | 61.5 | 0.00 | 61.5 |
| 西北外窗 | 2.52 | 2.20 | 16 | 25.0 | 1.0 | 138.6 | 0.05 | 0.00 | 0.00 | 145.5 | 0.00 | 145.5 |
| 东北外门 | 3.96 | 1.97 | 16 | 25.0 | 1.0 | 195.2 | 0.05 | 0.00 | 0.00 | 205.0 | 0.00 | 205.0 |
| 内墙 | 67.56 | 1.93 | 16 | -4.0 | 1.0 | -520.2 | 0.00 | 0.00 | 0.00 | -520.2 | 0.00 | -520.2 |
| 内墙 | 31.23 | 1.93 | 16 | -4.0 | 1.0 | -240.5 | 0.00 | 0.00 | 0.00 | -240.5 | 0.00 | -240.5 |
| 内墙 | 12.40 | 1.93 | 16 | -4.0 | 1.0 | -95.4 | 0.00 | 0.00 | 0.00 | -95.4 | 0.00 | -95.4 |
| 内墙 | 31.64 | 1.93 | 16 | -4.0 | 1.0 | -243.6 | 0.00 | 0.00 | 0.00 | -243.6 | 0.00 | -243.6 |
| 内墙 | 65.42 | 1.93 | 16 | -4.0 | 1.0 | -503.8 | 0.00 | 0.00 | 0.00 | -503.8 | 0.00 | -503.8 |
| 内窗 | 3.24 | 2.20 | 16 | -4.0 | 1.0 | -28.5 | 0.00 | 0.00 | 0.00 | -28.5 | 0.00 | -28.5 |
| 内窗 | 3.24 | 2.20 | 16 | -4.0 | 1.0 | -28.5 | 0.00 | 0.00 | 0.00 | -28.5 | 0.00 | -28.5 |
| 内窗 | 3.24 | 2.20 | 16 | -4.0 | 1.0 | -28.5 | 0.00 | 0.00 | 0.00 | -28.5 | 0.00 | -28.5 |
| 内窗 | 3.24 | 2.20 | 16 | -4.0 | 1.0 | -28.5 | 0.00 | 0.00 | 0.00 | -28.5 | 0.00 | -28.5 |
| 内门 | 3.78 | 3.00 | 16 | -4.0 | 1.0 | -45.4 | 0.00 | 0.00 | 0.00 | -45.4 | 0.00 | -45.4 |
| 内门 | 3.78 | 3.00 | 16 | -4.0 | 1.0 | -45.4 | 0.00 | 0.00 | 0.00 | -45.4 | 0.00 | -45.4 |
| 内门 | 3.30 | 3.00 | 16 | -4.0 | 1.0 | -39.6 | 0.00 | 0.00 | 0.00 | -39.6 | 0.00 | -39.6 |
| 内门 | 3.78 | 3.00 | 16 | -4.0 | 1.0 | -45.4 | 0.00 | 0.00 | 0.00 | -45.4 | 0.00 | -45.4 |
| 内门 | 3.78 | 3.00 | 16 | -4.0 | 1.0 | -45.4 | 0.00 | 0.00 | 0.00 | -45.4 | 0.00 | -45.4 |
| 挑空楼板 | 85.38 | 0.26 | 16 | 25.0 | 1.0 | 544.3 | 0.00 | 0.00 | 0.00 | 544.3 | 0.00 | 544.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 92.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 853.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **793** |
| 3009[办公-普通办公室] | 屋顶 | 60.69 | 0.22 | 20 | 29.0 | 1.0 | 381.9 | 0.00 | 0.00 | 0.00 | 381.9 | 0.00 | 381.9 |
| 西北外墙 | 43.53 | 0.26 | 20 | 29.0 | 1.0 | 321.9 | 0.05 | 0.00 | 0.00 | 338.0 | 0.00 | 338.0 |
| 西北外窗 | 6.48 | 2.20 | 20 | 29.0 | 1.0 | 413.4 | 0.05 | 0.00 | 0.00 | 434.1 | 0.00 | 434.1 |
| 内墙 | 67.56 | 1.93 | 20 | 4.0 | 1.0 | 520.2 | 0.00 | 0.00 | 0.00 | 520.2 | 0.00 | 520.2 |
| 内窗 | 3.24 | 2.20 | 20 | 4.0 | 1.0 | 28.5 | 0.00 | 0.00 | 0.00 | 28.5 | 0.00 | 28.5 |
| 内门 | 3.78 | 3.00 | 20 | 4.0 | 1.0 | 45.4 | 0.00 | 0.00 | 0.00 | 45.4 | 0.00 | 45.4 |
| 挑空楼板 | 60.69 | 0.26 | 20 | 29.0 | 1.0 | 448.8 | 0.00 | 0.00 | 0.00 | 448.8 | 0.00 | 448.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 197.8 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 239.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 606.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3241** |
| 3010[办公-普通办公室] | 屋顶 | 55.37 | 0.22 | 20 | 29.0 | 1.0 | 348.5 | 0.00 | 0.00 | 0.00 | 348.5 | 0.00 | 348.5 |
| 东南外墙 | 43.55 | 0.26 | 20 | 29.0 | 1.0 | 322.1 | -0.10 | 0.00 | 0.00 | 289.8 | 0.00 | 289.8 |
| 东南外窗 | 6.48 | 2.20 | 20 | 29.0 | 1.0 | 413.4 | -0.10 | 0.00 | 0.00 | 372.1 | 0.00 | 372.1 |
| 内墙 | 65.42 | 1.93 | 20 | 4.0 | 1.0 | 503.8 | 0.00 | 0.00 | 0.00 | 503.8 | 0.00 | 503.8 |
| 内窗 | 3.24 | 2.20 | 20 | 4.0 | 1.0 | 28.5 | 0.00 | 0.00 | 0.00 | 28.5 | 0.00 | 28.5 |
| 内门 | 3.78 | 3.00 | 20 | 4.0 | 1.0 | 45.4 | 0.00 | 0.00 | 0.00 | 45.4 | 0.00 | 45.4 |
| 挑空楼板 | 55.37 | 0.26 | 20 | 29.0 | 1.0 | 409.5 | 0.00 | 0.00 | 0.00 | 409.5 | 0.00 | 409.5 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 199.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 553.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2751** |
| 3011[办公-普通办公室] | 屋顶 | 45.83 | 0.22 | 20 | 29.0 | 1.0 | 288.4 | 0.00 | 0.00 | 0.00 | 288.4 | 0.00 | 288.4 |
| 内墙 | 31.23 | 1.93 | 20 | 4.0 | 1.0 | 240.5 | 0.00 | 0.00 | 0.00 | 240.5 | 0.00 | 240.5 |
| 内窗 | 3.24 | 2.20 | 20 | 4.0 | 1.0 | 28.5 | 0.00 | 0.00 | 0.00 | 28.5 | 0.00 | 28.5 |
| 内门 | 3.78 | 3.00 | 20 | 4.0 | 1.0 | 45.4 | 0.00 | 0.00 | 0.00 | 45.4 | 0.00 | 45.4 |
| 挑空楼板 | 45.90 | 0.26 | 20 | 29.0 | 1.0 | 339.5 | 0.00 | 0.00 | 0.00 | 339.5 | 0.00 | 339.5 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 94.2 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 458.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1495** |
| 3012[办公-普通办公室] | 屋顶 | 43.23 | 0.22 | 20 | 29.0 | 1.0 | 272.0 | 0.00 | 0.00 | 0.00 | 272.0 | 0.00 | 272.0 |
| 东南外墙 | 36.24 | 0.26 | 20 | 29.0 | 1.0 | 268.0 | -0.10 | 0.00 | 0.00 | 241.2 | 0.00 | 241.2 |
| 东南外窗 | 3.24 | 2.20 | 20 | 29.0 | 1.0 | 206.7 | -0.10 | 0.00 | 0.00 | 186.0 | 0.00 | 186.0 |
| 内墙 | 31.64 | 1.93 | 20 | 4.0 | 1.0 | 243.6 | 0.00 | 0.00 | 0.00 | 243.6 | 0.00 | 243.6 |
| 内窗 | 3.24 | 2.20 | 20 | 4.0 | 1.0 | 28.5 | 0.00 | 0.00 | 0.00 | 28.5 | 0.00 | 28.5 |
| 内门 | 3.78 | 3.00 | 20 | 4.0 | 1.0 | 45.4 | 0.00 | 0.00 | 0.00 | 45.4 | 0.00 | 45.4 |
| 挑空楼板 | 43.26 | 0.26 | 20 | 29.0 | 1.0 | 319.9 | 0.00 | 0.00 | 0.00 | 319.9 | 0.00 | 319.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 133.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 432.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1903** |
| 3013[卫生间] | 屋顶 | 27.76 | 0.22 | 20 | 29.0 | 1.0 | 174.7 | 0.00 | 0.00 | 0.00 | 174.7 | 0.00 | 174.7 |
| 东北外墙 | 7.87 | 0.26 | 20 | 29.0 | 1.0 | 58.2 | 0.05 | 0.00 | 0.00 | 61.1 | 0.00 | 61.1 |
| 东北外窗 | 2.25 | 2.20 | 20 | 29.0 | 1.0 | 143.6 | 0.05 | 0.00 | 0.00 | 150.7 | 0.00 | 150.7 |
| 内墙 | 24.54 | 1.93 | 20 | 4.0 | 1.0 | 188.9 | 0.00 | 0.00 | 0.00 | 188.9 | 0.00 | 188.9 |
| 挑空楼板 | 27.81 | 0.26 | 20 | 29.0 | 1.0 | 205.7 | 0.00 | 0.00 | 0.00 | 205.7 | 0.00 | 205.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 39.8 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 82.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 278.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1181** |
| 3014[值班室] | 屋顶 | 21.25 | 0.22 | 20 | 29.0 | 1.0 | 133.8 | 0.00 | 0.00 | 0.00 | 133.8 | 0.00 | 133.8 |
| 西北外墙 | 9.55 | 0.26 | 20 | 29.0 | 1.0 | 70.6 | 0.05 | 0.00 | 0.00 | 74.1 | 0.00 | 74.1 |
| 西南外墙 | 15.79 | 0.26 | 20 | 29.0 | 1.0 | 116.8 | -0.10 | 0.00 | 0.00 | 105.1 | 0.00 | 105.1 |
| 西北外窗 | 2.25 | 2.20 | 20 | 29.0 | 1.0 | 143.6 | 0.05 | 0.00 | 0.00 | 150.7 | 0.00 | 150.7 |
| 内墙 | 10.61 | 1.93 | 20 | 4.0 | 1.0 | 81.7 | 0.00 | 0.00 | 0.00 | 81.7 | 0.00 | 81.7 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 挑空楼板 | 21.29 | 0.26 | 20 | 29.0 | 1.0 | 157.5 | 0.00 | 0.00 | 0.00 | 157.5 | 0.00 | 157.5 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 80.4 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 80.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 212.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1099** |
| 3015[消防] | 屋顶 | 20.69 | 0.22 | 20 | 29.0 | 1.0 | 130.2 | 0.00 | 0.00 | 0.00 | 130.2 | 0.00 | 130.2 |
| 东北外墙 | 13.52 | 0.26 | 20 | 29.0 | 1.0 | 100.0 | 0.05 | 0.00 | 0.00 | 105.0 | 0.00 | 105.0 |
| 西北外墙 | 9.56 | 0.26 | 20 | 29.0 | 1.0 | 70.7 | 0.05 | 0.00 | 0.00 | 74.2 | 0.00 | 74.2 |
| 东北外窗 | 2.25 | 2.20 | 20 | 29.0 | 1.0 | 143.6 | 0.05 | 0.00 | 0.00 | 150.7 | 0.00 | 150.7 |
| 西北外窗 | 2.25 | 2.20 | 20 | 29.0 | 1.0 | 143.6 | 0.05 | 0.00 | 0.00 | 150.7 | 0.00 | 150.7 |
| 内墙 | 9.92 | 1.93 | 20 | 4.0 | 1.0 | 76.4 | 0.00 | 0.00 | 0.00 | 76.4 | 0.00 | 76.4 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 挑空楼板 | 20.69 | 0.26 | 20 | 29.0 | 1.0 | 153.0 | 0.00 | 0.00 | 0.00 | 153.0 | 0.00 | 153.0 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 120.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 98.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 206.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1288** |
| 3016[办公-普通办公室] | 屋顶 | 18.37 | 0.22 | 20 | 29.0 | 1.0 | 115.6 | 0.00 | 0.00 | 0.00 | 115.6 | 0.00 | 115.6 |
| 西北外墙 | 22.79 | 0.26 | 20 | 29.0 | 1.0 | 168.5 | 0.05 | 0.00 | 0.00 | 177.0 | 0.00 | 177.0 |
| 西北外窗 | 1.35 | 2.20 | 20 | 29.0 | 1.0 | 86.1 | 0.05 | 0.00 | 0.00 | 90.4 | 0.00 | 90.4 |
| 挑空楼板 | 18.37 | 0.26 | 20 | 29.0 | 1.0 | 135.8 | 0.00 | 0.00 | 0.00 | 135.8 | 0.00 | 135.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 64.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 58.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 183.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **825** |
| 3017[走廊] | 屋顶 | 16.97 | 0.22 | 16 | 25.0 | 1.0 | 92.1 | 0.00 | 0.00 | 0.00 | 92.1 | 0.00 | 92.1 |
| 东北外墙 | 4.38 | 0.26 | 16 | 25.0 | 1.0 | 27.9 | 0.05 | 0.00 | 0.00 | 29.3 | 0.00 | 29.3 |
| 东北外门 | 1.89 | 1.97 | 16 | 25.0 | 1.0 | 93.2 | 0.05 | 0.00 | 0.00 | 97.8 | 0.00 | 97.8 |
| 内墙 | 10.65 | 1.93 | 16 | -4.0 | 1.0 | -82.0 | 0.00 | 0.00 | 0.00 | -82.0 | 0.00 | -82.0 |
| 内墙 | 24.54 | 1.93 | 16 | -4.0 | 1.0 | -188.9 | 0.00 | 0.00 | 0.00 | -188.9 | 0.00 | -188.9 |
| 内墙 | 9.92 | 1.93 | 16 | -4.0 | 1.0 | -76.4 | 0.00 | 0.00 | 0.00 | -76.4 | 0.00 | -76.4 |
| 内墙 | 10.61 | 1.93 | 16 | -4.0 | 1.0 | -81.7 | 0.00 | 0.00 | 0.00 | -81.7 | 0.00 | -81.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 挑空楼板 | 17.00 | 0.26 | 16 | 25.0 | 1.0 | 108.4 | 0.00 | 0.00 | 0.00 | 108.4 | 0.00 | 108.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 13.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 170.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **14** |
| 3018[卫生间] | 屋顶 | 9.49 | 0.22 | 20 | 29.0 | 1.0 | 59.7 | 0.00 | 0.00 | 0.00 | 59.7 | 0.00 | 59.7 |
| 西北外墙 | 11.23 | 0.26 | 20 | 29.0 | 1.0 | 83.1 | 0.05 | 0.00 | 0.00 | 87.2 | 0.00 | 87.2 |
| 西北外窗 | 1.35 | 2.20 | 20 | 29.0 | 1.0 | 86.1 | 0.05 | 0.00 | 0.00 | 90.4 | 0.00 | 90.4 |
| 挑空楼板 | 9.49 | 0.26 | 20 | 29.0 | 1.0 | 70.2 | 0.00 | 0.00 | 0.00 | 70.2 | 0.00 | 70.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 64.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 37.2 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 94.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **504** |
| 3019[卫生间] | 屋顶 | 8.64 | 0.22 | 20 | 29.0 | 1.0 | 54.4 | 0.00 | 0.00 | 0.00 | 54.4 | 0.00 | 54.4 |
| 西北外墙 | 10.01 | 0.26 | 20 | 29.0 | 1.0 | 74.0 | 0.05 | 0.00 | 0.00 | 77.7 | 0.00 | 77.7 |
| 西北外窗 | 1.35 | 2.20 | 20 | 29.0 | 1.0 | 86.1 | 0.05 | 0.00 | 0.00 | 90.4 | 0.00 | 90.4 |
| 挑空楼板 | 8.64 | 0.26 | 20 | 29.0 | 1.0 | 63.9 | 0.00 | 0.00 | 0.00 | 63.9 | 0.00 | 63.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 64.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 35.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 86.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **472** |
| 3020[卫生间] | 西南外墙 | 3.57 | 0.26 | 20 | 29.0 | 1.0 | 26.4 | -0.10 | 0.00 | 0.00 | 23.8 | 0.00 | 23.8 |
| 内墙 | 6.46 | 1.93 | 20 | 4.0 | 1.0 | 49.8 | 0.00 | 0.00 | 0.00 | 49.8 | 0.00 | 49.8 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 挑空楼板 | 7.10 | 0.26 | 20 | 29.0 | 1.0 | 52.5 | 0.00 | 0.00 | 0.00 | 52.5 | 0.00 | 52.5 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 14.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 71.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **235** |
| 3021[卫生间] | 内墙 | 9.48 | 1.93 | 20 | 4.0 | 1.0 | 73.0 | 0.00 | 0.00 | 0.00 | 73.0 | 0.00 | 73.0 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 挑空楼板 | 6.03 | 0.26 | 20 | 29.0 | 1.0 | 44.6 | 0.00 | 0.00 | 0.00 | 44.6 | 0.00 | 44.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 14.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 60.3 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **215** |
| 3022[卫生间] | 屋顶 | 2.57 | 0.22 | 20 | 29.0 | 1.0 | 16.1 | 0.00 | 0.00 | 0.00 | 16.1 | 0.00 | 16.1 |
| 西北外墙 | 12.45 | 0.26 | 20 | 29.0 | 1.0 | 92.1 | 0.05 | 0.00 | 0.00 | 96.7 | 0.00 | 96.7 |
| 挑空楼板 | 2.57 | 0.26 | 20 | 29.0 | 1.0 | 19.0 | 0.00 | 0.00 | 0.00 | 19.0 | 0.00 | 19.0 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 13.2 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 25.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **171** |
| 3023[卫生间] | 屋顶 | 2.38 | 0.22 | 20 | 29.0 | 1.0 | 15.0 | 0.00 | 0.00 | 0.00 | 15.0 | 0.00 | 15.0 |
| 挑空楼板 | 2.38 | 0.26 | 20 | 29.0 | 1.0 | 17.6 | 0.00 | 0.00 | 0.00 | 17.6 | 0.00 | 17.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 3.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 23.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **60** |
| 3024[卫生间] | 屋顶 | 2.37 | 0.22 | 20 | 29.0 | 1.0 | 14.9 | 0.00 | 0.00 | 0.00 | 14.9 | 0.00 | 14.9 |
| 挑空楼板 | 2.37 | 0.26 | 20 | 29.0 | 1.0 | 17.6 | 0.00 | 0.00 | 0.00 | 17.6 | 0.00 | 17.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 3.2 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 23.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **59** |
| 3025[卫生间] | 屋顶 | 2.11 | 0.22 | 20 | 29.0 | 1.0 | 13.3 | 0.00 | 0.00 | 0.00 | 13.3 | 0.00 | 13.3 |
| 挑空楼板 | 2.11 | 0.26 | 20 | 29.0 | 1.0 | 15.6 | 0.00 | 0.00 | 0.00 | 15.6 | 0.00 | 15.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 2.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 21.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **53** |
| 3026[卫生间] | 内墙 | 3.94 | 1.93 | 20 | 4.0 | 1.0 | 30.3 | 0.00 | 0.00 | 0.00 | 30.3 | 0.00 | 30.3 |
| 挑空楼板 | 1.87 | 0.26 | 20 | 29.0 | 1.0 | 13.9 | 0.00 | 0.00 | 0.00 | 13.9 | 0.00 | 13.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 4.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 18.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **67** |
| 3027[卫生间] | 内墙 | 3.56 | 1.93 | 20 | 4.0 | 1.0 | 27.4 | 0.00 | 0.00 | 0.00 | 27.4 | 0.00 | 27.4 |
| 挑空楼板 | 1.70 | 0.26 | 20 | 29.0 | 1.0 | 12.6 | 0.00 | 0.00 | 0.00 | 12.6 | 0.00 | 12.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 4.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 17.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **61** |
| 3028[卫生间] | 西南外墙 | 3.94 | 0.26 | 20 | 29.0 | 1.0 | 29.1 | -0.10 | 0.00 | 0.00 | 26.2 | 0.00 | 26.2 |
| 挑空楼板 | 1.67 | 0.26 | 20 | 29.0 | 1.0 | 12.3 | 0.00 | 0.00 | 0.00 | 12.3 | 0.00 | 12.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 3.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 16.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **59** |
| 3029[卫生间] | 西南外墙 | 1.31 | 0.26 | 20 | 29.0 | 1.0 | 9.7 | -0.10 | 0.00 | 0.00 | 8.8 | 0.00 | 8.8 |
| 西南外窗 | 2.25 | 2.20 | 20 | 29.0 | 1.0 | 143.6 | -0.10 | 0.00 | 0.00 | 129.2 | 0.00 | 129.2 |
| 挑空楼板 | 1.51 | 0.26 | 20 | 29.0 | 1.0 | 11.2 | 0.00 | 0.00 | 0.00 | 11.2 | 0.00 | 11.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 8.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 15.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 15.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **188** |
| 2层 | |  | | | | | | | | | | | **100740** |
| 4001[锅炉房上空] | 屋顶 | 131.22 | 0.22 | 20 | 29.0 | 1.0 | 825.8 | 0.00 | 0.00 | 0.00 | 825.8 | 0.00 | 825.8 |
| 西南外墙 | 29.12 | 0.26 | 20 | 29.0 | 1.0 | 215.3 | -0.10 | 0.00 | 0.00 | 193.8 | 0.00 | 193.8 |
| 东南外墙 | 27.05 | 0.26 | 20 | 29.0 | 1.0 | 200.0 | -0.10 | 0.00 | 0.00 | 180.0 | 0.00 | 180.0 |
| 西南外窗 | 6.30 | 2.20 | 20 | 29.0 | 1.0 | 401.9 | -0.10 | 0.00 | 0.00 | 361.7 | 0.00 | 361.7 |
| 东南外窗 | 6.30 | 2.20 | 20 | 29.0 | 1.0 | 401.9 | -0.10 | 0.00 | 0.00 | 361.7 | 0.00 | 361.7 |
| 内墙 | 47.21 | 1.93 | 20 | 4.0 | 1.0 | 363.5 | 0.00 | 0.00 | 0.00 | 363.5 | 0.00 | 363.5 |
| 内窗 | 5.40 | 2.20 | 20 | 4.0 | 1.0 | 47.5 | 0.00 | 0.00 | 0.00 | 47.5 | 0.00 | 47.5 |
| 底板 | 1.38 | 2.98 | 20 | 4.0 | 1.0 | 16.5 | 0.00 | 0.00 | 0.00 | 16.5 | 0.00 | 16.5 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 235.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1312.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3898** |
| 4002[走廊] | 屋顶 | 27.96 | 0.22 | 16 | 25.0 | 1.0 | 151.7 | 0.00 | 0.00 | 0.00 | 151.7 | 0.00 | 151.7 |
| 东北外墙 | 40.60 | 0.26 | 16 | 25.0 | 1.0 | 258.8 | 0.05 | 0.00 | 0.00 | 271.7 | 0.00 | 271.7 |
| 西北外墙 | 4.69 | 0.26 | 16 | 25.0 | 1.0 | 29.9 | 0.05 | 0.00 | 0.00 | 31.4 | 0.00 | 31.4 |
| 西南外墙 | 4.01 | 0.26 | 16 | 25.0 | 1.0 | 25.6 | -0.10 | 0.00 | 0.00 | 23.0 | 0.00 | 23.0 |
| 东南外墙 | 4.41 | 0.26 | 16 | 25.0 | 1.0 | 28.1 | -0.10 | 0.00 | 0.00 | 25.3 | 0.00 | 25.3 |
| 东北外窗 | 10.80 | 2.20 | 16 | 25.0 | 1.0 | 594.0 | 0.05 | 0.00 | 0.00 | 623.7 | 0.00 | 623.7 |
| 西北外窗 | 2.25 | 2.20 | 16 | 25.0 | 1.0 | 123.8 | 0.05 | 0.00 | 0.00 | 129.9 | 0.00 | 129.9 |
| 西南外窗 | 0.90 | 2.20 | 16 | 25.0 | 1.0 | 49.5 | -0.10 | 0.00 | 0.00 | 44.6 | 0.00 | 44.6 |
| 东南外窗 | 2.70 | 2.20 | 16 | 25.0 | 1.0 | 148.5 | -0.10 | 0.00 | 0.00 | 133.7 | 0.00 | 133.7 |
| 内墙 | 28.82 | 1.93 | 16 | -4.0 | 1.0 | -221.9 | 0.00 | 0.00 | 0.00 | -221.9 | 0.00 | -221.9 |
| 内墙 | 13.30 | 1.93 | 16 | -4.0 | 1.0 | -102.4 | 0.00 | 0.00 | 0.00 | -102.4 | 0.00 | -102.4 |
| 内墙 | 36.19 | 1.93 | 16 | -4.0 | 1.0 | -278.7 | 0.00 | 0.00 | 0.00 | -278.7 | 0.00 | -278.7 |
| 内墙 | 6.46 | 1.93 | 16 | -4.0 | 1.0 | -49.8 | 0.00 | 0.00 | 0.00 | -49.8 | 0.00 | -49.8 |
| 内墙 | 9.93 | 1.93 | 16 | -4.0 | 1.0 | -76.5 | 0.00 | 0.00 | 0.00 | -76.5 | 0.00 | -76.5 |
| 内墙 | 3.56 | 1.93 | 16 | -4.0 | 1.0 | -27.4 | 0.00 | 0.00 | 0.00 | -27.4 | 0.00 | -27.4 |
| 内墙 | 3.49 | 1.93 | 16 | -4.0 | 1.0 | -26.8 | 0.00 | 0.00 | 0.00 | -26.8 | 0.00 | -26.8 |
| 内墙 | 47.21 | 1.93 | 16 | -4.0 | 1.0 | -363.5 | 0.00 | 0.00 | 0.00 | -363.5 | 0.00 | -363.5 |
| 内窗 | 9.00 | 2.20 | 16 | -4.0 | 1.0 | -79.2 | 0.00 | 0.00 | 0.00 | -79.2 | 0.00 | -79.2 |
| 内窗 | 5.40 | 2.20 | 16 | -4.0 | 1.0 | -47.5 | 0.00 | 0.00 | 0.00 | -47.5 | 0.00 | -47.5 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 底板 | 24.83 | 2.98 | 16 | -4.0 | 1.0 | -296.3 | 0.00 | 0.00 | 0.00 | -296.3 | 0.00 | -296.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 49.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1021.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **845** |
| 4003[商场-一般商店] | 屋顶 | 41.22 | 0.22 | 20 | 29.0 | 1.0 | 259.4 | 0.00 | 0.00 | 0.00 | 259.4 | 0.00 | 259.4 |
| 西北外墙 | 11.90 | 0.26 | 20 | 29.0 | 1.0 | 88.0 | 0.05 | 0.00 | 0.00 | 92.4 | 0.00 | 92.4 |
| 西南外墙 | 10.13 | 0.26 | 20 | 29.0 | 1.0 | 74.9 | -0.10 | 0.00 | 0.00 | 67.4 | 0.00 | 67.4 |
| 东南外墙 | 0.00 | 0.26 | 20 | 29.0 | 1.0 | 0.0 | -0.10 | 0.00 | 0.00 | 0.0 | 0.00 | 0.0 |
| 西南玻璃幕墙 | 18.75 | 2.00 | 20 | 29.0 | 1.0 | 1087.8 | -0.10 | 0.00 | 0.00 | 979.0 | 0.00 | 979.0 |
| 西北玻璃幕墙 | 17.08 | 2.00 | 20 | 29.0 | 1.0 | 990.8 | 0.05 | 0.00 | 0.00 | 1040.3 | 0.00 | 1040.3 |
| 东南玻璃幕墙 | 18.90 | 2.00 | 20 | 29.0 | 1.0 | 1096.2 | -0.10 | 0.00 | 0.00 | 986.6 | 0.00 | 986.6 |
| 西北外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | 0.05 | 0.00 | 0.00 | 301.5 | 0.00 | 301.5 |
| 西北外门 | 1.89 | 1.97 | 20 | 29.0 | 1.0 | 108.1 | 0.05 | 0.00 | 0.00 | 113.5 | 0.00 | 113.5 |
| 东南外门 | 1.89 | 1.97 | 20 | 29.0 | 1.0 | 108.1 | -0.10 | 0.00 | 0.00 | 97.3 | 0.00 | 97.3 |
| 内墙 | 36.19 | 1.93 | 20 | 4.0 | 1.0 | 278.7 | 0.00 | 0.00 | 0.00 | 278.7 | 0.00 | 278.7 |
| 内窗 | 9.00 | 2.20 | 20 | 4.0 | 1.0 | 79.2 | 0.00 | 0.00 | 0.00 | 79.2 | 0.00 | 79.2 |
| 挑空楼板 | 41.24 | 0.26 | 20 | 29.0 | 1.0 | 304.9 | 0.00 | 0.00 | 0.00 | 304.9 | 0.00 | 304.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 358.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 495.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 937.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **6391** |
| 4004[办公-普通办公室] | 东北外墙 | 12.49 | 0.26 | 20 | 29.0 | 1.0 | 92.4 | 0.05 | 0.00 | 0.00 | 97.0 | 0.00 | 97.0 |
| 西北外墙 | 12.61 | 0.26 | 20 | 29.0 | 1.0 | 93.2 | 0.05 | 0.00 | 0.00 | 97.9 | 0.00 | 97.9 |
| 东北外窗 | 2.70 | 2.20 | 20 | 29.0 | 1.0 | 172.3 | 0.05 | 0.00 | 0.00 | 180.9 | 0.00 | 180.9 |
| 西北外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | 0.05 | 0.00 | 0.00 | 301.5 | 0.00 | 301.5 |
| 内墙 | 13.30 | 1.93 | 20 | 4.0 | 1.0 | 102.4 | 0.00 | 0.00 | 0.00 | 102.4 | 0.00 | 102.4 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 底板 | 13.18 | 2.98 | 20 | 4.0 | 1.0 | 157.3 | 0.00 | 0.00 | 0.00 | 157.3 | 0.00 | 157.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 86.7 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 104.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 288.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1440** |
| 4005[办公-普通办公室] | 东北外墙 | 10.90 | 0.26 | 20 | 29.0 | 1.0 | 80.6 | 0.05 | 0.00 | 0.00 | 84.6 | 0.00 | 84.6 |
| 东北外窗 | 2.70 | 2.20 | 20 | 29.0 | 1.0 | 172.3 | 0.05 | 0.00 | 0.00 | 180.9 | 0.00 | 180.9 |
| 内墙 | 28.82 | 1.93 | 20 | 4.0 | 1.0 | 221.9 | 0.00 | 0.00 | 0.00 | 221.9 | 0.00 | 221.9 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 底板 | 11.79 | 2.98 | 20 | 4.0 | 1.0 | 140.8 | 0.00 | 0.00 | 0.00 | 140.8 | 0.00 | 140.8 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 65.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 258.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **974** |
| 4006[卫生间] | 顶板 | 0.67 | 2.98 | 20 | 4.0 | 1.0 | 8.0 | 0.00 | 0.00 | 0.00 | 8.0 | 0.00 | 8.0 |
| 西南外墙 | 4.02 | 0.26 | 20 | 29.0 | 1.0 | 29.7 | -0.10 | 0.00 | 0.00 | 26.8 | 0.00 | 26.8 |
| 内墙 | 6.46 | 1.93 | 20 | 4.0 | 1.0 | 49.8 | 0.00 | 0.00 | 0.00 | 49.8 | 0.00 | 49.8 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 底板 | 0.67 | 2.98 | 20 | 4.0 | 1.0 | 8.0 | 0.00 | 0.00 | 0.00 | 8.0 | 0.00 | 8.0 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 11.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **200** |
| 4007[卫生间] | 顶板 | 0.62 | 2.98 | 20 | 4.0 | 1.0 | 7.5 | 0.00 | 0.00 | 0.00 | 7.5 | 0.00 | 7.5 |
| 内墙 | 9.93 | 1.93 | 20 | 4.0 | 1.0 | 76.5 | 0.00 | 0.00 | 0.00 | 76.5 | 0.00 | 76.5 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 底板 | 0.62 | 2.98 | 20 | 4.0 | 1.0 | 7.5 | 0.00 | 0.00 | 0.00 | 7.5 | 0.00 | 7.5 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 11.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 62.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **188** |
| 4008[卫生间] | 内墙 | 3.56 | 1.93 | 20 | 4.0 | 1.0 | 27.4 | 0.00 | 0.00 | 0.00 | 27.4 | 0.00 | 27.4 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 2.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 17.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **47** |
| 4009[卫生间] | 内墙 | 3.49 | 1.93 | 20 | 4.0 | 1.0 | 26.8 | 0.00 | 0.00 | 0.00 | 26.8 | 0.00 | 26.8 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 2.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 16.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **46** |
| 4010[卫生间] | 西南外墙 | 1.31 | 0.26 | 20 | 29.0 | 1.0 | 9.7 | -0.10 | 0.00 | 0.00 | 8.8 | 0.00 | 8.8 |
| 西南外窗 | 2.25 | 2.20 | 20 | 29.0 | 1.0 | 143.6 | -0.10 | 0.00 | 0.00 | 129.2 | 0.00 | 129.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 13.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 15.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **167** |
| 4011[卫生间] | 西南外墙 | 3.49 | 0.26 | 20 | 29.0 | 1.0 | 25.8 | -0.10 | 0.00 | 0.00 | 23.2 | 0.00 | 23.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 2.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 14.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **40** |
| 3层 | |  | | | | | | | | | | | **10220** |
| 5001[走廊] | 屋顶 | 75.46 | 0.22 | 16 | 25.0 | 1.0 | 409.4 | 0.00 | 0.00 | 0.00 | 409.4 | 0.00 | 409.4 |
| 西南外墙 | 4.73 | 0.26 | 16 | 25.0 | 1.0 | 30.2 | -0.10 | 0.00 | 0.00 | 27.2 | 0.00 | 27.2 |
| 西北外墙 | 4.69 | 0.26 | 16 | 25.0 | 1.0 | 29.9 | 0.05 | 0.00 | 0.00 | 31.4 | 0.00 | 31.4 |
| 东北外墙 | 11.48 | 0.26 | 16 | 25.0 | 1.0 | 73.2 | 0.05 | 0.00 | 0.00 | 76.9 | 0.00 | 76.9 |
| 东南外墙 | 15.12 | 0.26 | 16 | 25.0 | 1.0 | 96.4 | -0.10 | 0.00 | 0.00 | 86.7 | 0.00 | 86.7 |
| 西南外窗 | 0.90 | 2.20 | 16 | 25.0 | 1.0 | 49.5 | -0.10 | 0.00 | 0.00 | 44.6 | 0.00 | 44.6 |
| 西北外窗 | 2.25 | 2.20 | 16 | 25.0 | 1.0 | 123.8 | 0.05 | 0.00 | 0.00 | 129.9 | 0.00 | 129.9 |
| 东北外窗 | 4.50 | 2.20 | 16 | 25.0 | 1.0 | 247.5 | 0.05 | 0.00 | 0.00 | 259.9 | 0.00 | 259.9 |
| 东南外窗 | 5.40 | 2.20 | 16 | 25.0 | 1.0 | 297.0 | -0.10 | 0.00 | 0.00 | 267.3 | 0.00 | 267.3 |
| 东南外门 | 3.78 | 1.97 | 16 | 25.0 | 1.0 | 186.4 | -0.10 | 0.00 | 0.00 | 167.7 | 0.00 | 167.7 |
| 内墙 | 28.37 | 1.93 | 16 | -4.0 | 1.0 | -218.5 | 0.00 | 0.00 | 0.00 | -218.5 | 0.00 | -218.5 |
| 内墙 | 13.05 | 1.93 | 16 | -4.0 | 1.0 | -100.5 | 0.00 | 0.00 | 0.00 | -100.5 | 0.00 | -100.5 |
| 内墙 | 13.00 | 1.93 | 16 | -4.0 | 1.0 | -100.1 | 0.00 | 0.00 | 0.00 | -100.1 | 0.00 | -100.1 |
| 内墙 | 29.13 | 1.93 | 16 | -4.0 | 1.0 | -224.3 | 0.00 | 0.00 | 0.00 | -224.3 | 0.00 | -224.3 |
| 内墙 | 3.39 | 1.93 | 16 | -4.0 | 1.0 | -26.1 | 0.00 | 0.00 | 0.00 | -26.1 | 0.00 | -26.1 |
| 内墙 | 3.56 | 1.93 | 16 | -4.0 | 1.0 | -27.4 | 0.00 | 0.00 | 0.00 | -27.4 | 0.00 | -27.4 |
| 内墙 | 9.31 | 1.93 | 16 | -4.0 | 1.0 | -71.6 | 0.00 | 0.00 | 0.00 | -71.6 | 0.00 | -71.6 |
| 内墙 | 6.47 | 1.93 | 16 | -4.0 | 1.0 | -49.8 | 0.00 | 0.00 | 0.00 | -49.8 | 0.00 | -49.8 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 内门 | 1.89 | 3.00 | 16 | -4.0 | 1.0 | -22.7 | 0.00 | 0.00 | 0.00 | -22.7 | 0.00 | -22.7 |
| 底板 | 0.67 | 2.98 | 16 | -4.0 | 1.0 | -8.0 | 0.00 | 0.00 | 0.00 | -8.0 | 0.00 | -8.0 |
| 底板 | 0.62 | 2.98 | 16 | -4.0 | 1.0 | -7.5 | 0.00 | 0.00 | 0.00 | -7.5 | 0.00 | -7.5 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 23.5 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 55.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 754.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1365** |
| 5002[办公-普通办公室] | 屋顶 | 28.31 | 0.22 | 20 | 29.0 | 1.0 | 178.2 | 0.00 | 0.00 | 0.00 | 178.2 | 0.00 | 178.2 |
| 东北外墙 | 10.39 | 0.26 | 20 | 29.0 | 1.0 | 76.8 | 0.05 | 0.00 | 0.00 | 80.6 | 0.00 | 80.6 |
| 西北外墙 | 12.62 | 0.26 | 20 | 29.0 | 1.0 | 93.3 | 0.05 | 0.00 | 0.00 | 98.0 | 0.00 | 98.0 |
| 东北外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | 0.05 | 0.00 | 0.00 | 301.5 | 0.00 | 301.5 |
| 西北外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | 0.05 | 0.00 | 0.00 | 301.5 | 0.00 | 301.5 |
| 内墙 | 13.00 | 1.93 | 20 | 4.0 | 1.0 | 100.1 | 0.00 | 0.00 | 0.00 | 100.1 | 0.00 | 100.1 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 40.8 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 112.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 283.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1519** |
| 5003[办公-普通办公室] | 屋顶 | 27.23 | 0.22 | 20 | 29.0 | 1.0 | 171.4 | 0.00 | 0.00 | 0.00 | 171.4 | 0.00 | 171.4 |
| 西北外墙 | 11.91 | 0.26 | 20 | 29.0 | 1.0 | 88.1 | 0.05 | 0.00 | 0.00 | 92.5 | 0.00 | 92.5 |
| 西南外墙 | 10.44 | 0.26 | 20 | 29.0 | 1.0 | 77.2 | -0.10 | 0.00 | 0.00 | 69.5 | 0.00 | 69.5 |
| 西北外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | 0.05 | 0.00 | 0.00 | 301.5 | 0.00 | 301.5 |
| 西南外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | -0.10 | 0.00 | 0.00 | 258.4 | 0.00 | 258.4 |
| 内墙 | 13.05 | 1.93 | 20 | 4.0 | 1.0 | 100.5 | 0.00 | 0.00 | 0.00 | 100.5 | 0.00 | 100.5 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 40.8 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 105.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 272.3 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1435** |
| 5004[办公-普通办公室] | 屋顶 | 26.45 | 0.22 | 20 | 29.0 | 1.0 | 166.4 | 0.00 | 0.00 | 0.00 | 166.4 | 0.00 | 166.4 |
| 东北外墙 | 9.41 | 0.26 | 20 | 29.0 | 1.0 | 69.6 | 0.05 | 0.00 | 0.00 | 73.0 | 0.00 | 73.0 |
| 东北外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | 0.05 | 0.00 | 0.00 | 301.5 | 0.00 | 301.5 |
| 内墙 | 29.13 | 1.93 | 20 | 4.0 | 1.0 | 224.3 | 0.00 | 0.00 | 0.00 | 224.3 | 0.00 | 224.3 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 78.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 264.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1131** |
| 5005[办公-普通办公室] | 屋顶 | 25.26 | 0.22 | 20 | 29.0 | 1.0 | 159.0 | 0.00 | 0.00 | 0.00 | 159.0 | 0.00 | 159.0 |
| 西南外墙 | 9.36 | 0.26 | 20 | 29.0 | 1.0 | 69.2 | -0.10 | 0.00 | 0.00 | 62.3 | 0.00 | 62.3 |
| 西南外窗 | 4.50 | 2.20 | 20 | 29.0 | 1.0 | 287.1 | -0.10 | 0.00 | 0.00 | 258.4 | 0.00 | 258.4 |
| 内墙 | 28.37 | 1.93 | 20 | 4.0 | 1.0 | 218.5 | 0.00 | 0.00 | 0.00 | 218.5 | 0.00 | 218.5 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 72.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 252.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1045** |
| 5006[卫生间] | 屋顶 | 6.66 | 0.22 | 20 | 29.0 | 1.0 | 41.9 | 0.00 | 0.00 | 0.00 | 41.9 | 0.00 | 41.9 |
| 东南外墙 | 4.54 | 0.26 | 20 | 29.0 | 1.0 | 33.6 | -0.10 | 0.00 | 0.00 | 30.2 | 0.00 | 30.2 |
| 西南外墙 | 3.39 | 0.26 | 20 | 29.0 | 1.0 | 25.1 | -0.10 | 0.00 | 0.00 | 22.6 | 0.00 | 22.6 |
| 内墙 | 6.47 | 1.93 | 20 | 4.0 | 1.0 | 49.8 | 0.00 | 0.00 | 0.00 | 49.8 | 0.00 | 49.8 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 16.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 66.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **251** |
| 5007[卫生间] | 屋顶 | 5.66 | 0.22 | 20 | 29.0 | 1.0 | 35.6 | 0.00 | 0.00 | 0.00 | 35.6 | 0.00 | 35.6 |
| 东南外墙 | 3.52 | 0.26 | 20 | 29.0 | 1.0 | 26.0 | -0.10 | 0.00 | 0.00 | 23.4 | 0.00 | 23.4 |
| 内墙 | 9.31 | 1.93 | 20 | 4.0 | 1.0 | 71.6 | 0.00 | 0.00 | 0.00 | 71.6 | 0.00 | 71.6 |
| 内门 | 1.89 | 3.00 | 20 | 4.0 | 1.0 | 22.7 | 0.00 | 0.00 | 0.00 | 22.7 | 0.00 | 22.7 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 15.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 56.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **225** |
| 5008[卫生间] | 屋顶 | 1.70 | 0.22 | 20 | 29.0 | 1.0 | 10.7 | 0.00 | 0.00 | 0.00 | 10.7 | 0.00 | 10.7 |
| 内墙 | 3.56 | 1.93 | 20 | 4.0 | 1.0 | 27.4 | 0.00 | 0.00 | 0.00 | 27.4 | 0.00 | 27.4 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 3.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 17.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **59** |
| 5009[卫生间] | 屋顶 | 1.62 | 0.22 | 20 | 29.0 | 1.0 | 10.2 | 0.00 | 0.00 | 0.00 | 10.2 | 0.00 | 10.2 |
| 东南外墙 | 3.20 | 0.26 | 20 | 29.0 | 1.0 | 23.7 | -0.10 | 0.00 | 0.00 | 21.3 | 0.00 | 21.3 |
| 东南外窗 | 1.08 | 2.20 | 20 | 29.0 | 1.0 | 68.9 | -0.10 | 0.00 | 0.00 | 62.0 | 0.00 | 62.0 |
| 内墙 | 3.39 | 1.93 | 20 | 4.0 | 1.0 | 26.1 | 0.00 | 0.00 | 0.00 | 26.1 | 0.00 | 26.1 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 12.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 16.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **148** |
| 5010[卫生间] | 屋顶 | 1.51 | 0.22 | 20 | 29.0 | 1.0 | 9.5 | 0.00 | 0.00 | 0.00 | 9.5 | 0.00 | 9.5 |
| 西南外墙 | 1.31 | 0.26 | 20 | 29.0 | 1.0 | 9.7 | -0.10 | 0.00 | 0.00 | 8.8 | 0.00 | 8.8 |
| 西南外窗 | 2.25 | 2.20 | 20 | 29.0 | 1.0 | 143.6 | -0.10 | 0.00 | 0.00 | 129.2 | 0.00 | 129.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 14.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 15.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **177** |
| 5011[卫生间] | 屋顶 | 1.44 | 0.22 | 20 | 29.0 | 1.0 | 9.1 | 0.00 | 0.00 | 0.00 | 9.1 | 0.00 | 9.1 |
| 西南外墙 | 3.39 | 0.26 | 20 | 29.0 | 1.0 | 25.1 | -0.10 | 0.00 | 0.00 | 22.6 | 0.00 | 22.6 |
| 东南外墙 | 2.74 | 0.26 | 20 | 29.0 | 1.0 | 20.2 | -0.10 | 0.00 | 0.00 | 18.2 | 0.00 | 18.2 |
| 东南外窗 | 1.08 | 2.20 | 20 | 29.0 | 1.0 | 68.9 | -0.10 | 0.00 | 0.00 | 62.0 | 0.00 | 62.0 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 11.2 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 14.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **137** |
| 4层 | |  | | | | | | | | | | | **5479** |
| 新建项目 | |  | | | | | | | | | | | **133949** |