**金尊府**

热负荷计算书

|  |  |
| --- | --- |
| 工程名称 | 金尊府 |
| 设计编号 |  |
| 建设单位 |  |
| 设计单位 |  |
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# 建筑概况

|  |  |  |
| --- | --- | --- |
| 地理位置 | 河南-郑州 | |
| 北纬 | 34.72 | |
| 东经 | 113.65 | |
| 建筑名称 | 金尊府 | |
| 建筑面积 | 地上 2517.64 ㎡ | 地下 277.60 ㎡ |
| 建筑高度 | 地上 25.65 m | 地下 2.85 m |
| 建筑层数 | 地上 9 | 地下 1 |
| 北向角度 | 90° | |

# 气象参数

|  |  |
| --- | --- |
| 大气透明度等级 | 5 |
| 室外计算温度(℃) | -3.8 |
| 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

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K=1/(0.11+∑R+0.04) (W/㎡.K) |
| 挤塑聚苯板20+加气砼80＋钢筋砼120 | 0.826 |
| 外-挤塑聚苯板20+钢筋砼200 | 1.126 |
| 挤塑聚苯板20＋钢筋砼200 | 1.126 |
| 挤塑聚苯板20+钢筋砼120 | 1.192 |
| 凸窗侧板 | 5.595 |
| 凸窗顶板 | 5.595 |
| 凸窗底板 | 5.595 |

# 内围护构造

|  |  |
| --- | --- |
| 构造名称 | 传热系数K=1/(0.11+∑R+0.11) (W/㎡.K) |
| 砼多孔砖(190六孔砖) | 1.925 |
| 钢筋砼楼板120 | 2.984 |

# 封闭阳台构造

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K=1/(0.11+∑R+0.04) (W/㎡.K) |
| 接触室外顶板构造一 | 5.595 |
| 接触室外底板构造一 | 5.595 |
| 栏板 | 5.595 |

# 地下围护构造

## 周边地面

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K |
| 混凝土120不保温地面 | 0.52 |

## 非周边地面

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K |
| 混凝土120不保温地面 | 0.3 |

## 地下墙

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K |
| 钢筋砼200地下墙 | 4.006 |

# 窗构造

|  |  |  |
| --- | --- | --- |
| 做法名称 | 传热系数W/㎡.K | 遮阳系数 |
| 12A钢铝单框双玻窗（平均） | 3.90 | 0.75 |

# 门构造

|  |  |
| --- | --- |
| 做法名称 | 传热系数W/㎡.K |
| 保温门（多功能门） | 1.97 |
| 单层实体门 | 2.30 |

# 负荷指标

|  |  |  |
| --- | --- | --- |
| 整楼负荷(W) | 建筑面积(㎡) | 负荷指标(W/㎡) |
| 138755 | 2795.24 | 49.64 |
| 采暖面积(㎡) | 负荷指标(W/㎡) |
| 2113.51 | 65.65 |

# 房间热负荷汇总表(按楼层)

| 楼层 | 户型 | 房间 编号 | 房间名称 | 面积 | 室温 | 围护 结构 | 冷风 渗透 | 其它 负荷 | 间歇 采暖 | 户间 传热 | 热负荷 | 指标 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㎡ | ℃ | W | W | W | W | W | W | W/㎡ |
| -1层 |  | X001 | 卧室 | 234 | 18 | 16865 | 321 | 0 | 0 | 0 | 17186 | 73.3 |
|  | X003 | 卧室 | 144 | 18 | 12215 | 419 | 0 | 0 | 0 | 12633 | 87.6 |
|  | X004 | 卧室 | 48 | 18 | 2852 | 26 | 0 | 0 | 0 | 2878 | 59.6 |
|  | X005 | 卧室 | 15 | 18 | 1138 | 0 | 0 | 0 | 0 | 1138 | 75.2 |
|  | X007 | 卧室 | 45 | 18 | 2940 | 26 | 0 | 0 | 0 | 2965 | 66.4 |
|  | X012 | 卧室 | 14 | 18 | 1493 | 0 | 0 | 0 | 0 | 1493 | 104.4 |
|  | X014 | 卧室 | 8 | 18 | 1504 | 32 | 0 | 0 | 0 | 1536 | 184.6 |
| **合计** | |  | **509** |  | **39007** | **823** | **0** | **0** | **0** | **39829** | **78.2** |
| 1层 |  | X002 | 商铺2 | 38 | 18 | 2140 | 160 | 0 | 0 | 0 | 2300 | 59.9 |
| **合计** | |  | **38** |  | **2140** | **160** | **0** | **0** | **0** | **2300** | **59.9** |
| 2层 |  | X006 | 卧室 | 13 | 18 | 1034 | 0 | 0 | 0 | 0 | 1034 | 77.0 |
|  | X008 | 卧室 | 20 | 18 | 3022 | 191 | 0 | 0 | 0 | 3213 | 162.3 |
|  | X015 | 卫生间 | 4 | 18 | 393 | 27 | 0 | 0 | 0 | 420 | 97.2 |
|  | X016 | 卧室 | 15 | 18 | 1434 | 27 | 0 | 0 | 0 | 1461 | 97.4 |
|  | X017 | 卧室 | 15 | 18 | 1434 | 27 | 0 | 0 | 0 | 1461 | 97.4 |
|  | X018 | 卧室 | 14 | 18 | 1378 | 79 | 0 | 0 | 0 | 1458 | 101.9 |
|  | X020 | 厨房 | 7 | 18 | 866 | 27 | 0 | 0 | 0 | 893 | 129.4 |
|  | X021 | 厨房 | 7 | 18 | 866 | 27 | 0 | 0 | 0 | 893 | 129.4 |
| **合计** | |  | **96** |  | **10427** | **406** | **0** | **0** | **0** | **10833** | **113.2** |
| 3层 |  | X003@3 | 卧室 | 20 | 18 | 2299 | 127 | 0 | 0 | 0 | 2426 | 122.5 |
|  | X004@3 | 起居室 | 38 | 18 | 1918 | 26 | 0 | 0 | 0 | 1944 | 50.6 |
|  | X005@3 | 卧室 | 13 | 18 | 792 | 0 | 0 | 0 | 0 | 792 | 59.0 |
|  | X006@3 | 卧室 | 13 | 18 | 792 | 0 | 0 | 0 | 0 | 792 | 59.0 |
|  | X007@3 | 起居室 | 38 | 18 | 1918 | 26 | 0 | 0 | 0 | 1944 | 50.6 |
|  | X008@3 | 卧室 | 20 | 18 | 2666 | 169 | 0 | 0 | 0 | 2834 | 143.2 |
|  | X014@3 | 卫生间 | 4 | 18 | 315 | 30 | 0 | 0 | 0 | 345 | 79.9 |
|  | X015@3 | 卫生间 | 4 | 18 | 315 | 24 | 0 | 0 | 0 | 339 | 78.5 |
|  | X016@3 | 卧室 | 15 | 18 | 1164 | 24 | 0 | 0 | 0 | 1188 | 79.2 |
|  | X017@3 | 卧室 | 15 | 18 | 1164 | 24 | 0 | 0 | 0 | 1188 | 79.2 |
|  | X018@3 | 卧室 | 14 | 18 | 1225 | 75 | 0 | 0 | 0 | 1300 | 90.9 |
|  | X020@3 | 厨房 | 7 | 18 | 741 | 24 | 0 | 0 | 0 | 765 | 110.9 |
|  | X021@3 | 厨房 | 7 | 18 | 741 | 24 | 0 | 0 | 0 | 765 | 110.9 |
| **合计** | |  | **210** |  | **16053** | **571** | **0** | **0** | **0** | **16623** | **79.2** |
| 4层 |  | X003@4 | 卧室 | 20 | 18 | 1785 | 109 | 0 | 0 | 0 | 1894 | 95.6 |
|  | X004@4 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X005@4 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X006@4 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X007@4 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X008@4 | 卧室 | 20 | 18 | 2151 | 142 | 0 | 0 | 0 | 2293 | 115.8 |
|  | X014@4 | 卫生间 | 4 | 18 | 203 | 28 | 0 | 0 | 0 | 231 | 53.4 |
|  | X015@4 | 卫生间 | 4 | 18 | 203 | 20 | 0 | 0 | 0 | 223 | 51.7 |
|  | X016@4 | 卧室 | 15 | 18 | 774 | 20 | 0 | 0 | 0 | 795 | 53.0 |
|  | X017@4 | 卧室 | 15 | 18 | 774 | 20 | 0 | 0 | 0 | 795 | 53.0 |
|  | X018@4 | 卧室 | 14 | 18 | 854 | 71 | 0 | 0 | 0 | 925 | 64.7 |
|  | X020@4 | 厨房 | 7 | 18 | 562 | 20 | 0 | 0 | 0 | 582 | 84.4 |
|  | X021@4 | 厨房 | 7 | 18 | 562 | 20 | 0 | 0 | 0 | 582 | 84.4 |
| **合计** | |  | **210** |  | **10595** | **502** | **0** | **0** | **0** | **11097** | **52.8** |
| 5层 |  | X003@5 | 卧室 | 20 | 18 | 1785 | 88 | 0 | 0 | 0 | 1872 | 94.6 |
|  | X004@5 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X005@5 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X006@5 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X007@5 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X008@5 | 卧室 | 20 | 18 | 2151 | 109 | 0 | 0 | 0 | 2261 | 114.2 |
|  | X014@5 | 卫生间 | 4 | 18 | 203 | 25 | 0 | 0 | 0 | 228 | 52.7 |
|  | X015@5 | 卫生间 | 4 | 18 | 203 | 16 | 0 | 0 | 0 | 219 | 50.7 |
|  | X016@5 | 卧室 | 15 | 18 | 774 | 16 | 0 | 0 | 0 | 790 | 52.7 |
|  | X017@5 | 卧室 | 15 | 18 | 774 | 16 | 0 | 0 | 0 | 790 | 52.7 |
|  | X018@5 | 卧室 | 14 | 18 | 854 | 67 | 0 | 0 | 0 | 921 | 64.4 |
|  | X020@5 | 厨房 | 7 | 18 | 562 | 16 | 0 | 0 | 0 | 578 | 83.8 |
|  | X021@5 | 厨房 | 7 | 18 | 562 | 16 | 0 | 0 | 0 | 578 | 83.8 |
| **合计** | |  | **210** |  | **10595** | **420** | **0** | **0** | **0** | **11015** | **52.4** |
| 6层 |  | X003@6 | 卧室 | 20 | 18 | 1785 | 66 | 0 | 0 | 0 | 1851 | 93.5 |
|  | X004@6 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X005@6 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X006@6 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X007@6 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X008@6 | 卧室 | 20 | 18 | 2151 | 78 | 0 | 0 | 0 | 2229 | 112.6 |
|  | X014@6 | 卫生间 | 4 | 18 | 203 | 22 | 0 | 0 | 0 | 225 | 52.0 |
|  | X015@6 | 卫生间 | 4 | 18 | 203 | 11 | 0 | 0 | 0 | 214 | 49.5 |
|  | X016@6 | 卧室 | 15 | 18 | 774 | 11 | 0 | 0 | 0 | 785 | 52.4 |
|  | X017@6 | 卧室 | 15 | 18 | 774 | 11 | 0 | 0 | 0 | 785 | 52.4 |
|  | X018@6 | 卧室 | 14 | 18 | 854 | 62 | 0 | 0 | 0 | 916 | 64.0 |
|  | X020@6 | 厨房 | 7 | 18 | 562 | 11 | 0 | 0 | 0 | 573 | 83.0 |
|  | X021@6 | 厨房 | 7 | 18 | 562 | 11 | 0 | 0 | 0 | 573 | 83.0 |
| **合计** | |  | **210** |  | **10595** | **333** | **0** | **0** | **0** | **10928** | **52.0** |
| 7层 |  | X003@7 | 卧室 | 20 | 18 | 1785 | 46 | 0 | 0 | 0 | 1830 | 92.4 |
|  | X004@7 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X005@7 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X006@7 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X007@7 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X008@7 | 卧室 | 20 | 18 | 2151 | 50 | 0 | 0 | 0 | 2202 | 111.2 |
|  | X014@7 | 卫生间 | 4 | 18 | 203 | 18 | 0 | 0 | 0 | 221 | 51.2 |
|  | X015@7 | 卫生间 | 4 | 18 | 203 | 4 | 0 | 0 | 0 | 207 | 47.9 |
|  | X016@7 | 卧室 | 15 | 18 | 774 | 4 | 0 | 0 | 0 | 778 | 51.9 |
|  | X017@7 | 卧室 | 15 | 18 | 774 | 4 | 0 | 0 | 0 | 778 | 51.9 |
|  | X018@7 | 卧室 | 14 | 18 | 854 | 55 | 0 | 0 | 0 | 909 | 63.5 |
|  | X020@7 | 厨房 | 7 | 18 | 562 | 4 | 0 | 0 | 0 | 566 | 82.0 |
|  | X021@7 | 厨房 | 7 | 18 | 562 | 4 | 0 | 0 | 0 | 566 | 82.0 |
| **合计** | |  | **210** |  | **10595** | **239** | **0** | **0** | **0** | **10834** | **51.6** |
| 8层 |  | X003@8 | 卧室 | 20 | 18 | 1785 | 29 | 0 | 0 | 0 | 1813 | 91.6 |
|  | X004@8 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X005@8 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X006@8 | 卧室 | 13 | 18 | 443 | 0 | 0 | 0 | 0 | 443 | 33.0 |
|  | X007@8 | 起居室 | 38 | 18 | 920 | 26 | 0 | 0 | 0 | 946 | 24.6 |
|  | X008@8 | 卧室 | 20 | 18 | 2151 | 29 | 0 | 0 | 0 | 2180 | 110.1 |
|  | X014@8 | 卫生间 | 4 | 18 | 203 | 14 | 0 | 0 | 0 | 217 | 50.2 |
|  | X015@8 | 卫生间 | 4 | 18 | 203 | 0 | 0 | 0 | 0 | 203 | 47.0 |
|  | X016@8 | 卧室 | 15 | 18 | 774 | 0 | 0 | 0 | 0 | 774 | 51.6 |
|  | X017@8 | 卧室 | 15 | 18 | 774 | 0 | 0 | 0 | 0 | 774 | 51.6 |
|  | X018@8 | 卧室 | 14 | 18 | 854 | 51 | 0 | 0 | 0 | 905 | 63.3 |
|  | X020@8 | 厨房 | 7 | 18 | 562 | 0 | 0 | 0 | 0 | 562 | 81.4 |
|  | X021@8 | 厨房 | 7 | 18 | 562 | 0 | 0 | 0 | 0 | 562 | 81.4 |
| **合计** | |  | **210** |  | **10595** | **174** | **0** | **0** | **0** | **10769** | **51.3** |
| 9层 |  | X003@9 | 卧室 | 20 | 18 | 2141 | 19 | 0 | 0 | 0 | 2160 | 109.1 |
|  | X004@9 | 起居室 | 38 | 18 | 1612 | 26 | 0 | 0 | 0 | 1637 | 42.6 |
|  | X005@9 | 卧室 | 13 | 18 | 685 | 0 | 0 | 0 | 0 | 685 | 51.0 |
|  | X006@9 | 卧室 | 13 | 18 | 685 | 0 | 0 | 0 | 0 | 685 | 51.0 |
|  | X007@9 | 起居室 | 38 | 18 | 1612 | 26 | 0 | 0 | 0 | 1637 | 42.6 |
|  | X008@9 | 卧室 | 20 | 18 | 2508 | 19 | 0 | 0 | 0 | 2527 | 127.6 |
|  | X014@9 | 卫生间 | 4 | 18 | 281 | 9 | 0 | 0 | 0 | 290 | 67.0 |
|  | X015@9 | 卫生间 | 4 | 18 | 281 | 0 | 0 | 0 | 0 | 281 | 65.0 |
|  | X016@9 | 卧室 | 15 | 18 | 1044 | 0 | 0 | 0 | 0 | 1044 | 69.6 |
|  | X017@9 | 卧室 | 15 | 18 | 1044 | 0 | 0 | 0 | 0 | 1044 | 69.6 |
|  | X018@9 | 卧室 | 14 | 18 | 1111 | 51 | 0 | 0 | 0 | 1163 | 81.3 |
|  | X020@9 | 厨房 | 7 | 18 | 686 | 0 | 0 | 0 | 0 | 686 | 99.5 |
|  | X021@9 | 厨房 | 7 | 18 | 686 | 0 | 0 | 0 | 0 | 686 | 99.5 |
| **合计** | |  | **210** |  | **14377** | **149** | **0** | **0** | **0** | **14526** | **69.2** |
| **总计** | | |  | **2114** |  | **134979** | **3776** | **0** | **0** |  | **138755** | **65.7** |

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 |
| X001[卧室] | 屋顶 | 234.41 | 0.83 | 18 | 21.8 | 1.0 | 4221.0 | 0.00 | 0.00 | 0.00 | 4221.0 | 0.00 | 4221.0 |
| 南地下墙 | 34.20 | 4.01 | 18 | 21.8 | 1.0 | 2986.7 | 0.00 | 0.00 | 0.00 | 2986.7 | 0.00 | 2986.7 |
| 西地下墙 | 13.95 | 4.01 | 18 | 21.8 | 1.0 | 1218.3 | 0.00 | 0.00 | 0.00 | 1218.3 | 0.00 | 1218.3 |
| 北地下墙 | 13.97 | 4.01 | 18 | 21.8 | 1.0 | 1219.6 | 0.00 | 0.00 | 0.00 | 1219.6 | 0.00 | 1219.6 |
| 内门 | 3.15 | 2.30 | 18 | 21.8 | 1.0 | 158.1 | 0.00 | 0.00 | 0.00 | 158.1 | 0.00 | 158.1 |
| 户墙 | 25.26 | 1.93 | 18 | 21.8 | 0.4 | 424.0 | 0.00 | 0.00 | 0.00 | 424.0 | 0.00 | 424.0 |
| 户墙 | 3.42 | 1.93 | 18 | 21.8 | 0.4 | 57.4 | 0.00 | 0.00 | 0.00 | 57.4 | 0.00 | 57.4 |
| 户墙 | 23.36 | 1.93 | 18 | 21.8 | 0.4 | 392.0 | 0.00 | 0.00 | 0.00 | 392.0 | 0.00 | 392.0 |
| 户墙 | 11.12 | 1.93 | 18 | 21.8 | 0.4 | 186.6 | 0.00 | 0.00 | 0.00 | 186.6 | 0.00 | 186.6 |
| 户墙 | 27.05 | 1.93 | 18 | 21.8 | 0.4 | 454.0 | 0.00 | 0.00 | 0.00 | 454.0 | 0.00 | 454.0 |
| 户墙 | 16.51 | 1.93 | 18 | 21.8 | 0.4 | 277.2 | 0.00 | 0.00 | 0.00 | 277.2 | 0.00 | 277.2 |
| 户门 | 2.10 | 2.30 | 18 | 21.8 | 0.4 | 42.2 | 0.00 | 0.00 | 0.00 | 42.2 | 0.00 | 42.2 |
| 户门 | 3.15 | 2.30 | 18 | 21.8 | 0.4 | 63.3 | 0.00 | 0.00 | 0.00 | 63.3 | 0.00 | 63.3 |
| 户门 | 2.31 | 2.30 | 18 | 21.8 | 0.4 | 46.4 | 0.00 | 0.00 | 0.00 | 46.4 | 0.00 | 46.4 |
| 户门 | 3.15 | 2.30 | 18 | 21.8 | 0.4 | 63.3 | 0.00 | 0.00 | 0.00 | 63.3 | 0.00 | 63.3 |
| 非周边地面 | 174.81 | 0.30 | 18 | 21.8 | 1.0 | 1143.3 |  |  | 0.00 | 1143.3 | 0.00 | 1143.3 |
| 周边地面 | 59.60 | 0.52 | 18 | 21.8 | 1.0 | 675.6 |  |  | 0.00 | 675.6 | 0.00 | 675.6 |
| 西外墙 | 34.20 | 1.13 | 18 | 21.8 | 1.0 | 839.5 | -0.05 | 0.00 | 0.00 | 797.5 | 0.00 | 797.5 |
| 北外墙 | 20.45 | 1.13 | 18 | 21.8 | 1.0 | 501.9 | 0.05 | 0.00 | 0.00 | 527.0 | 0.00 | 527.0 |
| 东外墙 | 21.38 | 1.13 | 18 | 21.8 | 1.0 | 524.7 | -0.05 | 0.00 | 0.00 | 498.5 | 0.00 | 498.5 |
| 南外墙 | 17.75 | 1.13 | 18 | 21.8 | 1.0 | 435.6 | -0.15 | 0.00 | 0.00 | 370.2 | 0.00 | 370.2 |
| 北外窗 | 4.35 | 3.90 | 18 | 21.8 | 1.0 | 369.8 | 0.05 | 0.00 | 0.00 | 388.3 | 0.00 | 388.3 |
| 南外窗 | 3.60 | 3.90 | 18 | 21.8 | 1.0 | 306.1 | -0.15 | 0.00 | 0.00 | 260.2 | 0.00 | 260.2 |
| 南阳台外门 | 6.30 | 1.97 | 18 | 21.8 | 1.0 | 270.8 | -0.15 | 0.00 | 0.00 | 230.2 | 0.00 | 230.2 |
| 户墙 | 4.52 | 1.93 | 18 | 21.8 | 0.4 | 75.8 | 0.00 | 0.00 | 0.00 | 75.8 | 0.00 | 75.8 |
| 内窗 | 2.61 | 3.90 | 18 | 21.8 | 0.4 | 88.8 | 0.00 | 0.00 | 0.00 | 88.8 | 0.00 | 88.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 321.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **17186** |
| X003[卧室] | 屋顶 | 144.23 | 0.83 | 18 | 21.8 | 1.0 | 2597.1 | 0.00 | 0.00 | 0.00 | 2597.1 | 0.00 | 2597.1 |
| 南地下墙 | 10.26 | 4.01 | 18 | 21.8 | 1.0 | 896.0 | 0.00 | 0.00 | 0.00 | 896.0 | 0.00 | 896.0 |
| 东地下墙 | 17.10 | 4.01 | 18 | 21.8 | 1.0 | 1493.4 | 0.00 | 0.00 | 0.00 | 1493.4 | 0.00 | 1493.4 |
| 北地下墙 | 3.42 | 4.01 | 18 | 21.8 | 1.0 | 298.7 | 0.00 | 0.00 | 0.00 | 298.7 | 0.00 | 298.7 |
| 户墙 | 4.42 | 1.93 | 18 | 21.8 | 0.4 | 74.2 | 0.00 | 0.00 | 0.00 | 74.2 | 0.00 | 74.2 |
| 户墙 | 2.42 | 1.93 | 18 | 21.8 | 0.4 | 40.7 | 0.00 | 0.00 | 0.00 | 40.7 | 0.00 | 40.7 |
| 非周边地面 | 61.83 | 0.30 | 18 | 21.8 | 1.0 | 404.4 |  |  | 0.00 | 404.4 | 0.00 | 404.4 |
| 周边地面 | 62.60 | 0.52 | 18 | 21.8 | 1.0 | 709.6 |  |  | 0.00 | 709.6 | 0.00 | 709.6 |
| 东外墙 | 37.03 | 1.13 | 18 | 21.8 | 1.0 | 908.8 | -0.05 | 0.00 | 0.00 | 863.4 | 0.00 | 863.4 |
| 北外墙 | 24.40 | 1.13 | 18 | 21.8 | 1.0 | 598.8 | 0.05 | 0.00 | 0.00 | 628.8 | 0.00 | 628.8 |
| 西外墙 | 37.58 | 1.13 | 18 | 21.8 | 1.0 | 922.3 | -0.05 | 0.00 | 0.00 | 876.2 | 0.00 | 876.2 |
| 南外墙 | 24.71 | 1.13 | 18 | 21.8 | 1.0 | 606.4 | -0.15 | 0.00 | 0.00 | 515.5 | 0.00 | 515.5 |
| 北外窗 | 7.57 | 3.90 | 18 | 21.8 | 1.0 | 643.6 | 0.05 | 0.00 | 0.00 | 675.8 | 0.00 | 675.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 南外窗 | 7.80 | 3.90 | 18 | 21.8 | 1.0 | 663.2 | -0.15 | 0.00 | 0.00 | 563.7 | 0.00 | 563.7 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南阳台外门 | 6.30 | 1.97 | 18 | 21.8 | 1.0 | 270.8 | -0.15 | 0.00 | 0.00 | 230.2 | 0.00 | 230.2 |
| 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.8 | 0.00 | 0.00 | 0.00 | 248.8 | 0.00 | 248.8 |
| 挑空楼板 | 19.80 | 1.19 | 18 | 21.8 | 1.0 | 514.5 | 0.00 | 0.00 | 0.00 | 514.5 | 0.00 | 514.5 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.8 | 0.00 | 0.00 | 0.00 | 248.8 | 0.00 | 248.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 418.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **12633** |
| X004[卧室] | 屋顶 | 48.28 | 0.83 | 18 | 21.8 | 1.0 | 869.4 | 0.00 | 0.00 | 0.00 | 869.4 | 0.00 | 869.4 |
| 非周边地面 | 9.88 | 0.30 | 18 | 21.8 | 1.0 | 64.6 |  |  | 0.00 | 64.6 | 0.00 | 64.6 |
| 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 挑空楼板 | 38.40 | 1.19 | 18 | 21.8 | 1.0 | 997.8 | 0.00 | 0.00 | 0.00 | 997.8 | 0.00 | 997.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2878** |
| X005[卧室] | 屋顶 | 15.13 | 0.83 | 18 | 21.8 | 1.0 | 272.4 | 0.00 | 0.00 | 0.00 | 272.4 | 0.00 | 272.4 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 非周边地面 | 1.69 | 0.30 | 18 | 21.8 | 1.0 | 11.1 |  |  | 0.00 | 11.1 | 0.00 | 11.1 |
| 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 挑空楼板 | 13.44 | 1.19 | 18 | 21.8 | 1.0 | 349.2 | 0.00 | 0.00 | 0.00 | 349.2 | 0.00 | 349.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1138** |
| X007[卧室] | 屋顶 | 44.64 | 0.83 | 18 | 21.8 | 1.0 | 803.8 | 0.00 | 0.00 | 0.00 | 803.8 | 0.00 | 803.8 |
| 户墙 | 10.55 | 1.93 | 18 | 21.8 | 0.4 | 177.0 | 0.00 | 0.00 | 0.00 | 177.0 | 0.00 | 177.0 |
| 非周边地面 | 6.24 | 0.30 | 18 | 21.8 | 1.0 | 40.8 |  |  | 0.00 | 40.8 | 0.00 | 40.8 |
| 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 挑空楼板 | 38.40 | 1.19 | 18 | 21.8 | 1.0 | 997.8 | 0.00 | 0.00 | 0.00 | 997.8 | 0.00 | 997.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2965** |
| X012[卧室] | 屋顶 | 14.30 | 0.83 | 18 | 21.8 | 1.0 | 257.5 | 0.00 | 0.00 | 0.00 | 257.5 | 0.00 | 257.5 |
| 东地下墙 | 4.84 | 4.01 | 18 | 21.8 | 1.0 | 423.1 | 0.00 | 0.00 | 0.00 | 423.1 | 0.00 | 423.1 |
| 北地下墙 | 7.41 | 4.01 | 18 | 21.8 | 1.0 | 647.1 | 0.00 | 0.00 | 0.00 | 647.1 | 0.00 | 647.1 |
| 户墙 | 4.28 | 1.93 | 18 | 21.8 | 0.4 | 71.8 | 0.00 | 0.00 | 0.00 | 71.8 | 0.00 | 71.8 |
| 非周边地面 | 14.30 | 0.30 | 18 | 21.8 | 1.0 | 93.5 |  |  | 0.00 | 93.5 | 0.00 | 93.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1493** |
| X014[卧室] | 屋顶 | 8.32 | 0.83 | 18 | 21.8 | 1.0 | 149.8 | 0.00 | 0.00 | 0.00 | 149.8 | 0.00 | 149.8 |
| 北地下墙 | 2.85 | 4.01 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 东地下墙 | 6.55 | 4.01 | 18 | 21.8 | 1.0 | 572.3 | 0.00 | 0.00 | 0.00 | 572.3 | 0.00 | 572.3 |
| 户墙 | 11.40 | 1.93 | 18 | 21.8 | 0.4 | 191.4 | 0.00 | 0.00 | 0.00 | 191.4 | 0.00 | 191.4 |
| 非周边地面 | 4.00 | 0.30 | 18 | 21.8 | 1.0 | 26.2 |  |  | 0.00 | 26.2 | 0.00 | 26.2 |
| 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 挑空楼板 | 4.32 | 1.19 | 18 | 21.8 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 31.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1536** |
| -1层 | |  | | | | | | | | | | | **39829** |
| X002[商铺2] | 屋顶 | 38.40 | 0.83 | 18 | 21.8 | 1.0 | 691.5 | 0.00 | 0.00 | 0.00 | 691.5 | 0.00 | 691.5 |
| 南外墙 | 9.54 | 1.13 | 18 | 21.8 | 1.0 | 234.2 | -0.15 | 0.00 | 0.00 | 199.1 | 0.00 | 199.1 |
| 北外墙 | 10.83 | 1.13 | 18 | 21.8 | 1.0 | 265.8 | 0.05 | 0.00 | 0.00 | 279.1 | 0.00 | 279.1 |
| 南外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | -0.15 | 0.00 | 0.00 | 173.4 | 0.00 | 173.4 |
| 南阳台外门 | 6.30 | 1.97 | 18 | 21.8 | 1.0 | 270.8 | -0.15 | 0.00 | 0.00 | 230.2 | 0.00 | 230.2 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.7 | 108.8 | 0.00 | 0.00 | 0.00 | 108.8 | 0.00 | 108.8 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.7 | 108.8 | 0.00 | 0.00 | 0.00 | 108.8 | 0.00 | 108.8 |
| 非周边地面 | 18.00 | 0.30 | 18 | 21.8 | 1.0 | 117.7 |  |  | 0.00 | 117.7 | 0.00 | 117.7 |
| 周边地面 | 20.40 | 0.52 | 18 | 21.8 | 1.0 | 231.3 |  |  | 0.00 | 231.3 | 0.00 | 231.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 159.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2300** |
| 1层 | |  | | | | | | | | | | | **2300** |
| X006[卧室] | 屋顶 | 13.44 | 0.83 | 18 | 21.8 | 1.0 | 242.0 | 0.00 | 0.00 | 0.00 | 242.0 | 0.00 | 242.0 |
| 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 挑空楼板 | 13.44 | 1.19 | 18 | 21.8 | 1.0 | 349.2 | 0.00 | 0.00 | 0.00 | 349.2 | 0.00 | 349.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1034** |
| X008[卧室] | 屋顶 | 19.80 | 0.83 | 18 | 21.8 | 1.0 | 356.5 | 0.00 | 0.00 | 0.00 | 356.5 | 0.00 | 356.5 |
| 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 挑空楼板 | 19.80 | 1.19 | 18 | 21.8 | 1.0 | 514.5 | 0.00 | 0.00 | 0.00 | 514.5 | 0.00 | 514.5 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 191.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3213** |
| X015[卫生间] | 屋顶 | 4.32 | 0.83 | 18 | 21.8 | 1.0 | 77.8 | 0.00 | 0.00 | 0.00 | 77.8 | 0.00 | 77.8 |
| 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 挑空楼板 | 4.32 | 1.19 | 18 | 21.8 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 27.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **420** |
| X016[卧室] | 屋顶 | 15.00 | 0.83 | 18 | 21.8 | 1.0 | 270.1 | 0.00 | 0.00 | 0.00 | 270.1 | 0.00 | 270.1 |
| 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 挑空楼板 | 15.00 | 1.19 | 18 | 21.8 | 1.0 | 389.8 | 0.00 | 0.00 | 0.00 | 389.8 | 0.00 | 389.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 27.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1461** |
| X017[卧室] | 屋顶 | 15.00 | 0.83 | 18 | 21.8 | 1.0 | 270.1 | 0.00 | 0.00 | 0.00 | 270.1 | 0.00 | 270.1 |
| 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 挑空楼板 | 15.00 | 1.19 | 18 | 21.8 | 1.0 | 389.8 | 0.00 | 0.00 | 0.00 | 389.8 | 0.00 | 389.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 27.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1461** |
| X018[卧室] | 屋顶 | 14.30 | 0.83 | 18 | 21.8 | 1.0 | 257.5 | 0.00 | 0.00 | 0.00 | 257.5 | 0.00 | 257.5 |
| 北外墙 | 6.66 | 1.13 | 18 | 21.8 | 1.0 | 163.5 | 0.05 | 0.00 | 0.00 | 171.7 | 0.00 | 171.7 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 0.75 | 3.90 | 18 | 21.8 | 1.0 | 63.8 | 0.05 | 0.00 | 0.00 | 67.0 | 0.00 | 67.0 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 挑空楼板 | 14.30 | 1.19 | 18 | 21.8 | 1.0 | 371.6 | 0.00 | 0.00 | 0.00 | 371.6 | 0.00 | 371.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 79.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1458** |
| X020,X021[厨房] | 屋顶 | 6.90 | 0.83 | 18 | 21.8 | 1.0 | 124.2 | 0.00 | 0.00 | 0.00 | 124.2 | 0.00 | 124.2 |
| 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 挑空楼板 | 6.90 | 1.19 | 18 | 21.8 | 1.0 | 179.3 | 0.00 | 0.00 | 0.00 | 179.3 | 0.00 | 179.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 27.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **893** |
| 2层 | |  | | | | | | | | | | | **10833** |
| X003@3[卧室] | 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 西外墙 | 16.20 | 1.13 | 18 | 21.8 | 1.0 | 397.7 | -0.05 | 0.00 | 0.00 | 377.8 | 0.00 | 377.8 |
| 南外墙 | 6.96 | 1.13 | 18 | 21.8 | 1.0 | 170.8 | -0.15 | 0.00 | 0.00 | 145.2 | 0.00 | 145.2 |
| 北外窗 | 2.06 | 3.90 | 18 | 21.8 | 1.0 | 175.1 | 0.05 | 0.00 | 0.00 | 183.9 | 0.00 | 183.9 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南外窗 | 4.20 | 3.90 | 18 | 21.8 | 1.0 | 357.2 | -0.15 | 0.00 | 0.00 | 303.6 | 0.00 | 303.6 |
| 挑空楼板 | 19.80 | 1.19 | 18 | 21.8 | 1.0 | 514.5 | 0.00 | 0.00 | 0.00 | 514.5 | 0.00 | 514.5 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 126.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2426** |
| X004@3,X007@3[起居室] | 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 挑空楼板 | 38.40 | 1.19 | 18 | 21.8 | 1.0 | 997.8 | 0.00 | 0.00 | 0.00 | 997.8 | 0.00 | 997.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1944** |
| X005@3,X006@3[卧室] | 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 挑空楼板 | 13.44 | 1.19 | 18 | 21.8 | 1.0 | 349.2 | 0.00 | 0.00 | 0.00 | 349.2 | 0.00 | 349.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **792** |
| X008@3[卧室] | 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 挑空楼板 | 19.80 | 1.19 | 18 | 21.8 | 1.0 | 514.5 | 0.00 | 0.00 | 0.00 | 514.5 | 0.00 | 514.5 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 168.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2834** |
| X014@3[卫生间] | 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 挑空楼板 | 4.32 | 1.19 | 18 | 21.8 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 30.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **345** |
| X015@3[卫生间] | 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 挑空楼板 | 4.32 | 1.19 | 18 | 21.8 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 23.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **339** |
| X016@3[卧室] | 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 挑空楼板 | 15.00 | 1.19 | 18 | 21.8 | 1.0 | 389.8 | 0.00 | 0.00 | 0.00 | 389.8 | 0.00 | 389.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 23.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1188** |
| X017@3[卧室] | 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 挑空楼板 | 15.00 | 1.19 | 18 | 21.8 | 1.0 | 389.8 | 0.00 | 0.00 | 0.00 | 389.8 | 0.00 | 389.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 23.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1188** |
| X018@3[卧室] | 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外墙 | 5.01 | 1.13 | 18 | 21.8 | 1.0 | 123.0 | 0.05 | 0.00 | 0.00 | 129.1 | 0.00 | 129.1 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | 0.05 | 0.00 | 0.00 | 214.3 | 0.00 | 214.3 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 挑空楼板 | 14.30 | 1.19 | 18 | 21.8 | 1.0 | 371.6 | 0.00 | 0.00 | 0.00 | 371.6 | 0.00 | 371.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 75.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1300** |
| X020@3,X021@3[厨房] | 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 挑空楼板 | 6.90 | 1.19 | 18 | 21.8 | 1.0 | 179.3 | 0.00 | 0.00 | 0.00 | 179.3 | 0.00 | 179.3 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 23.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **765** |
| 3层 | |  | | | | | | | | | | | **16623** |
| X003@4[卧室] | 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 西外墙 | 16.20 | 1.13 | 18 | 21.8 | 1.0 | 397.7 | -0.05 | 0.00 | 0.00 | 377.8 | 0.00 | 377.8 |
| 南外墙 | 6.96 | 1.13 | 18 | 21.8 | 1.0 | 170.8 | -0.15 | 0.00 | 0.00 | 145.2 | 0.00 | 145.2 |
| 北外窗 | 2.06 | 3.90 | 18 | 21.8 | 1.0 | 175.1 | 0.05 | 0.00 | 0.00 | 183.9 | 0.00 | 183.9 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南外窗 | 4.20 | 3.90 | 18 | 21.8 | 1.0 | 357.2 | -0.15 | 0.00 | 0.00 | 303.6 | 0.00 | 303.6 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 109.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1894** |
| X004@4,X007@4[起居室] | 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **946** |
| X005@4,X006@4[卧室] | 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **443** |
| X008@4[卧室] | 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 142.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2293** |
| X014@4[卫生间] | 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 27.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **231** |
| X015@4[卫生间] | 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 20.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **223** |
| X016@4[卧室] | 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 20.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **795** |
| X017@4[卧室] | 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 20.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **795** |
| X018@4[卧室] | 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外墙 | 5.01 | 1.13 | 18 | 21.8 | 1.0 | 123.0 | 0.05 | 0.00 | 0.00 | 129.1 | 0.00 | 129.1 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | 0.05 | 0.00 | 0.00 | 214.3 | 0.00 | 214.3 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 71.3 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **925** |
| X020@4,X021@4[厨房] | 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 20.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **582** |
| 4层 | |  | | | | | | | | | | | **11097** |
| X003@5[卧室] | 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 西外墙 | 16.20 | 1.13 | 18 | 21.8 | 1.0 | 397.7 | -0.05 | 0.00 | 0.00 | 377.8 | 0.00 | 377.8 |
| 南外墙 | 6.96 | 1.13 | 18 | 21.8 | 1.0 | 170.8 | -0.15 | 0.00 | 0.00 | 145.2 | 0.00 | 145.2 |
| 北外窗 | 2.06 | 3.90 | 18 | 21.8 | 1.0 | 175.1 | 0.05 | 0.00 | 0.00 | 183.9 | 0.00 | 183.9 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南外窗 | 4.20 | 3.90 | 18 | 21.8 | 1.0 | 357.2 | -0.15 | 0.00 | 0.00 | 303.6 | 0.00 | 303.6 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 87.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1872** |
| X004@5,X007@5[起居室] | 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **946** |
| X005@5,X006@5[卧室] | 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **443** |
| X008@5[卧室] | 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 109.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2261** |
| X014@5[卫生间] | 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 24.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **228** |
| X015@5[卫生间] | 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 16.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **219** |
| X016@5[卧室] | 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 16.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **790** |
| X017@5[卧室] | 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 16.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **790** |
| X018@5[卧室] | 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外墙 | 5.01 | 1.13 | 18 | 21.8 | 1.0 | 123.0 | 0.05 | 0.00 | 0.00 | 129.1 | 0.00 | 129.1 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | 0.05 | 0.00 | 0.00 | 214.3 | 0.00 | 214.3 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 67.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **921** |
| X020@5,X021@5[厨房] | 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 16.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **578** |
| 5层 | |  | | | | | | | | | | | **11015** |
| X003@6[卧室] | 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 西外墙 | 16.20 | 1.13 | 18 | 21.8 | 1.0 | 397.7 | -0.05 | 0.00 | 0.00 | 377.8 | 0.00 | 377.8 |
| 南外墙 | 6.96 | 1.13 | 18 | 21.8 | 1.0 | 170.8 | -0.15 | 0.00 | 0.00 | 145.2 | 0.00 | 145.2 |
| 北外窗 | 2.06 | 3.90 | 18 | 21.8 | 1.0 | 175.1 | 0.05 | 0.00 | 0.00 | 183.9 | 0.00 | 183.9 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南外窗 | 4.20 | 3.90 | 18 | 21.8 | 1.0 | 357.2 | -0.15 | 0.00 | 0.00 | 303.6 | 0.00 | 303.6 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 66.3 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1851** |
| X004@6,X007@6[起居室] | 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **946** |
| X005@6,X006@6[卧室] | 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **443** |
| X008@6[卧室] | 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 77.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2229** |
| X014@6[卫生间] | 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 21.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **225** |
| X015@6[卫生间] | 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 10.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **214** |
| X016@6[卧室] | 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 10.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **785** |
| X017@6[卧室] | 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 10.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **785** |
| X018@6[卧室] | 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外墙 | 5.01 | 1.13 | 18 | 21.8 | 1.0 | 123.0 | 0.05 | 0.00 | 0.00 | 129.1 | 0.00 | 129.1 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | 0.05 | 0.00 | 0.00 | 214.3 | 0.00 | 214.3 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 61.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **916** |
| X020@6,X021@6[厨房] | 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 10.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **573** |
| 6层 | |  | | | | | | | | | | | **10928** |
| X003@7[卧室] | 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 西外墙 | 16.20 | 1.13 | 18 | 21.8 | 1.0 | 397.7 | -0.05 | 0.00 | 0.00 | 377.8 | 0.00 | 377.8 |
| 南外墙 | 6.96 | 1.13 | 18 | 21.8 | 1.0 | 170.8 | -0.15 | 0.00 | 0.00 | 145.2 | 0.00 | 145.2 |
| 北外窗 | 2.06 | 3.90 | 18 | 21.8 | 1.0 | 175.1 | 0.05 | 0.00 | 0.00 | 183.9 | 0.00 | 183.9 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南外窗 | 4.20 | 3.90 | 18 | 21.8 | 1.0 | 357.2 | -0.15 | 0.00 | 0.00 | 303.6 | 0.00 | 303.6 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 45.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1830** |
| X004@7,X007@7[起居室] | 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **946** |
| X005@7,X006@7[卧室] | 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **443** |
| X008@7[卧室] | 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 50.3 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2202** |
| X014@7[卫生间] | 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 18.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **221** |
| X015@7[卫生间] | 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 3.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **207** |
| X016@7[卧室] | 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 3.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **778** |
| X017@7[卧室] | 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 3.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **778** |
| X018@7[卧室] | 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外墙 | 5.01 | 1.13 | 18 | 21.8 | 1.0 | 123.0 | 0.05 | 0.00 | 0.00 | 129.1 | 0.00 | 129.1 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | 0.05 | 0.00 | 0.00 | 214.3 | 0.00 | 214.3 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 54.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **909** |
| X020@7,X021@7[厨房] | 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 3.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **566** |
| 7层 | |  | | | | | | | | | | | **10834** |
| X003@8[卧室] | 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 西外墙 | 16.20 | 1.13 | 18 | 21.8 | 1.0 | 397.7 | -0.05 | 0.00 | 0.00 | 377.8 | 0.00 | 377.8 |
| 南外墙 | 6.96 | 1.13 | 18 | 21.8 | 1.0 | 170.8 | -0.15 | 0.00 | 0.00 | 145.2 | 0.00 | 145.2 |
| 北外窗 | 2.06 | 3.90 | 18 | 21.8 | 1.0 | 175.1 | 0.05 | 0.00 | 0.00 | 183.9 | 0.00 | 183.9 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南外窗 | 4.20 | 3.90 | 18 | 21.8 | 1.0 | 357.2 | -0.15 | 0.00 | 0.00 | 303.6 | 0.00 | 303.6 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 28.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1813** |
| X004@8,X007@8[起居室] | 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **946** |
| X005@8,X006@8[卧室] | 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **443** |
| X008@8[卧室] | 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 28.7 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2180** |
| X014@8[卫生间] | 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 13.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **217** |
| X015@8[卫生间] | 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **203** |
| X016@8[卧室] | 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **774** |
| X017@8[卧室] | 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **774** |
| X018@8[卧室] | 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外墙 | 5.01 | 1.13 | 18 | 21.8 | 1.0 | 123.0 | 0.05 | 0.00 | 0.00 | 129.1 | 0.00 | 129.1 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | 0.05 | 0.00 | 0.00 | 214.3 | 0.00 | 214.3 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 51.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **905** |
| X020@8,X021@8[厨房] | 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **562** |
| 8层 | |  | | | | | | | | | | | **10769** |
| X003@9[卧室] | 屋顶 | 19.80 | 0.83 | 18 | 21.8 | 1.0 | 356.5 | 0.00 | 0.00 | 0.00 | 356.5 | 0.00 | 356.5 |
| 凸窗顶板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 西外墙 | 16.20 | 1.13 | 18 | 21.8 | 1.0 | 397.7 | -0.05 | 0.00 | 0.00 | 377.8 | 0.00 | 377.8 |
| 南外墙 | 6.96 | 1.13 | 18 | 21.8 | 1.0 | 170.8 | -0.15 | 0.00 | 0.00 | 145.2 | 0.00 | 145.2 |
| 北外窗 | 2.06 | 3.90 | 18 | 21.8 | 1.0 | 175.1 | 0.05 | 0.00 | 0.00 | 183.9 | 0.00 | 183.9 |
| 西外窗 | 2.70 | 3.90 | 18 | 21.8 | 1.0 | 229.6 | -0.05 | 0.00 | 0.00 | 218.1 | 0.00 | 218.1 |
| 南外窗 | 4.20 | 3.90 | 18 | 21.8 | 1.0 | 357.2 | -0.15 | 0.00 | 0.00 | 303.6 | 0.00 | 303.6 |
| 凸窗底板 | 2.04 | 5.60 | 18 | 21.8 | 1.0 | 248.9 | 0.00 | 0.00 | 0.00 | 248.9 | 0.00 | 248.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 18.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2160** |
| X004@9,X007@9[起居室] | 屋顶 | 38.40 | 0.83 | 18 | 21.8 | 1.0 | 691.5 | 0.00 | 0.00 | 0.00 | 691.5 | 0.00 | 691.5 |
| 与非采暖阳台相邻外墙 | 8.78 | 1.13 | 18 | 21.8 | 0.7 | 150.8 | 0.00 | 0.00 | 0.00 | 150.8 | 0.00 | 150.8 |
| 不采暖封闭阳台窗 | 8.61 | 3.90 | 18 | 21.8 | 0.7 | 512.4 | 0.00 | 0.00 | 0.00 | 512.4 | 0.00 | 512.4 |
| 户墙 | 12.30 | 1.93 | 18 | 21.8 | 0.4 | 206.5 | 0.00 | 0.00 | 0.00 | 206.5 | 0.00 | 206.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 25.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1637** |
| X005@9,X006@9[卧室] | 屋顶 | 13.44 | 0.83 | 18 | 21.8 | 1.0 | 242.0 | 0.00 | 0.00 | 0.00 | 242.0 | 0.00 | 242.0 |
| 与非采暖阳台相邻外墙 | 5.97 | 1.13 | 18 | 21.8 | 0.7 | 102.6 | 0.00 | 0.00 | 0.00 | 102.6 | 0.00 | 102.6 |
| 不采暖封闭阳台窗 | 3.15 | 3.90 | 18 | 21.8 | 0.7 | 187.5 | 0.00 | 0.00 | 0.00 | 187.5 | 0.00 | 187.5 |
| 户墙 | 3.71 | 1.93 | 18 | 21.8 | 0.4 | 62.2 | 0.00 | 0.00 | 0.00 | 62.2 | 0.00 | 62.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **685** |
| X008@9[卧室] | 屋顶 | 19.80 | 0.83 | 18 | 21.8 | 1.0 | 356.5 | 0.00 | 0.00 | 0.00 | 356.5 | 0.00 | 356.5 |
| 凸窗顶板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 北外墙 | 2.26 | 1.13 | 18 | 21.8 | 1.0 | 55.5 | 0.05 | 0.00 | 0.00 | 58.2 | 0.00 | 58.2 |
| 东外墙 | 17.10 | 1.13 | 18 | 21.8 | 1.0 | 419.8 | -0.05 | 0.00 | 0.00 | 398.8 | 0.00 | 398.8 |
| 南外墙 | 9.80 | 1.13 | 18 | 21.8 | 1.0 | 240.4 | -0.15 | 0.00 | 0.00 | 204.4 | 0.00 | 204.4 |
| 北外窗 | 1.16 | 3.90 | 18 | 21.8 | 1.0 | 98.6 | 0.05 | 0.00 | 0.00 | 103.6 | 0.00 | 103.6 |
| 西外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 南外窗 | 6.45 | 3.90 | 18 | 21.8 | 1.0 | 548.4 | -0.15 | 0.00 | 0.00 | 466.1 | 0.00 | 466.1 |
| 东外窗 | 1.80 | 3.90 | 18 | 21.8 | 1.0 | 153.0 | -0.05 | 0.00 | 0.00 | 145.4 | 0.00 | 145.4 |
| 凸窗底板 | 2.58 | 5.60 | 18 | 21.8 | 1.0 | 314.7 | 0.00 | 0.00 | 0.00 | 314.7 | 0.00 | 314.7 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 18.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2527** |
| X014@9[卫生间] | 屋顶 | 4.32 | 0.83 | 18 | 21.8 | 1.0 | 77.8 | 0.00 | 0.00 | 0.00 | 77.8 | 0.00 | 77.8 |
| 西外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 西外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 8.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **290** |
| X015@9[卫生间] | 屋顶 | 4.32 | 0.83 | 18 | 21.8 | 1.0 | 77.8 | 0.00 | 0.00 | 0.00 | 77.8 | 0.00 | 77.8 |
| 东外墙 | 3.68 | 1.13 | 18 | 21.8 | 1.0 | 90.3 | -0.05 | 0.00 | 0.00 | 85.8 | 0.00 | 85.8 |
| 东外窗 | 1.45 | 3.90 | 18 | 21.8 | 1.0 | 123.3 | -0.05 | 0.00 | 0.00 | 117.1 | 0.00 | 117.1 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **281** |
| X016@9[卧室] | 屋顶 | 15.00 | 0.83 | 18 | 21.8 | 1.0 | 270.1 | 0.00 | 0.00 | 0.00 | 270.1 | 0.00 | 270.1 |
| 西外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1044** |
| X017@9[卧室] | 屋顶 | 15.00 | 0.83 | 18 | 21.8 | 1.0 | 270.1 | 0.00 | 0.00 | 0.00 | 270.1 | 0.00 | 270.1 |
| 东外墙 | 11.12 | 1.13 | 18 | 21.8 | 1.0 | 272.8 | -0.05 | 0.00 | 0.00 | 259.2 | 0.00 | 259.2 |
| 北外墙 | 8.09 | 1.13 | 18 | 21.8 | 1.0 | 198.5 | 0.05 | 0.00 | 0.00 | 208.4 | 0.00 | 208.4 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1044** |
| X018@9[卧室] | 屋顶 | 14.30 | 0.83 | 18 | 21.8 | 1.0 | 257.5 | 0.00 | 0.00 | 0.00 | 257.5 | 0.00 | 257.5 |
| 西外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外墙 | 5.01 | 1.13 | 18 | 21.8 | 1.0 | 123.0 | 0.05 | 0.00 | 0.00 | 129.1 | 0.00 | 129.1 |
| 东外墙 | 4.85 | 1.13 | 18 | 21.8 | 1.0 | 118.9 | -0.05 | 0.00 | 0.00 | 113.0 | 0.00 | 113.0 |
| 北外窗 | 2.40 | 3.90 | 18 | 21.8 | 1.0 | 204.0 | 0.05 | 0.00 | 0.00 | 214.3 | 0.00 | 214.3 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户墙 | 7.41 | 1.93 | 18 | 21.8 | 0.4 | 124.4 | 0.00 | 0.00 | 0.00 | 124.4 | 0.00 | 124.4 |
| 户墙 | 1.76 | 1.93 | 18 | 21.8 | 0.4 | 29.5 | 0.00 | 0.00 | 0.00 | 29.5 | 0.00 | 29.5 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 户门 | 2.52 | 2.30 | 18 | 21.8 | 0.4 | 50.6 | 0.00 | 0.00 | 0.00 | 50.6 | 0.00 | 50.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 51.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1163** |
| X020@9,X021@9[厨房] | 屋顶 | 6.90 | 0.83 | 18 | 21.8 | 1.0 | 124.2 | 0.00 | 0.00 | 0.00 | 124.2 | 0.00 | 124.2 |
| 北外墙 | 6.38 | 1.13 | 18 | 21.8 | 1.0 | 156.5 | 0.05 | 0.00 | 0.00 | 164.3 | 0.00 | 164.3 |
| 与非采暖阳台相邻外墙 | 6.56 | 1.13 | 18 | 21.8 | 0.7 | 112.6 | 0.00 | 0.00 | 0.00 | 112.6 | 0.00 | 112.6 |
| 北外窗 | 2.18 | 3.90 | 18 | 21.8 | 1.0 | 184.9 | 0.05 | 0.00 | 0.00 | 194.2 | 0.00 | 194.2 |
| 户墙 | 5.42 | 1.93 | 18 | 21.8 | 0.4 | 90.9 | 0.00 | 0.00 | 0.00 | 90.9 | 0.00 | 90.9 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **686** |
| 9层 | |  | | | | | | | | | | | **14526** |
| 金尊府 | |  | | | | | | | | | | | **138755** |