**新建项目**

热负荷计算书

|  |  |
| --- | --- |
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# 建筑概况

|  |  |  |
| --- | --- | --- |
| 地理位置 | 山西-太原 | |
| 北纬 | 37.87 | |
| 东经 | 112.53 | |
| 建筑名称 | 新建项目 | |
| 建筑面积 | 地上 3699.55 ㎡ | 地下 0.00 ㎡ |
| 建筑高度 | 地上 28.80 m | 地下 0.00 m |
| 建筑层数 | 地上 7 | 地下 0 |
| 北向角度 | 90° | |

# 气象参数

|  |  |
| --- | --- |
| 大气透明度等级 | 4 |
| 室外计算温度(℃) | -11.0 |
| 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

|  |  |
| --- | --- |
| 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 | 0.391(修正前：0.375) |
| 外-挤塑聚苯板20+钢筋砼200 | 0.41(修正前：0.461) |
| 挤塑聚苯板20+钢筋砼120 | 0.4(修正前：0.555) |

备注：外墙平均传热系数：0.4 (W/㎡.K)

# 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) | 0.61(修正前：0.627) |
| 钢筋砼楼板120 | 0.716 |

# 封闭阳台构造

本工程无此项内容

# 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 | 0.41 |

## 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 |

# 窗构造

|  |  |  |
| --- | --- | --- |
| 做法名称 | 传热系数W/㎡.K | 遮阳系数 |
| 下限+断桥铝合金窗框+Low-E中空玻璃（在线）+空气厚度9mm | 1.90 | 0.41 |

# 门构造

|  |  |
| --- | --- |
| 做法名称 | 传热系数W/㎡.K |
| 胶合板-玻璃棉岩棉板矿棉板20-胶合板 | 0.80 |
| 单层实体门 | 1.50 |

# 负荷指标

|  |  |  |
| --- | --- | --- |
| 整楼负荷(W) | 建筑面积(㎡) | 负荷指标(W/㎡) |
| 133418 | 3699.56 | 36.06 |
| 采暖面积(㎡) | 负荷指标(W/㎡) |
| 2858.34 | 46.68 |

# 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 | X001[教室] | 110 | 20 | 3642 | 138 | 0 | 0 | 1102 | 3780 | 4882 | 34.3 | 44.3 |
| X002[库房] | 103 | 20 | 4183 | 276 | 0 | 0 | 1033 | 4459 | 5493 | 43.2 | 53.2 |
| X003[大厅] | 65 | 16 | 1922 | 121 | 0 | 0 | 648 | 2043 | 2691 | 31.5 | 41.5 |
| X004[办公-普通办公室] | 63 | 20 | 3457 | 141 | 0 | 0 | 634 | 3598 | 4232 | 56.8 | 66.8 |
| X005[教室] | 63 | 20 | 3461 | 141 | 0 | 0 | 634 | 3602 | 4236 | 56.9 | 66.9 |
| X006[办公-走廊] | 46 | 16 | 844 | 82 | 0 | 0 | 461 | 925 | 1386 | 20.1 | 30.1 |
| X007[楼梯间] | 33 | 20 | 1903 | 45 | 0 | 0 | 328 | 1948 | 2276 | 59.5 | 69.5 |
| **合计** | **484** |  | **19413** | **944** | **0** | **0** |  | **15519** |  | **32.1** |  |
| 2层 | 2001@2[办公-走廊] | 175 | 16 | 6475 | 349 | 0 | 0 | 1747 | 6824 | 8571 | 39.1 | 49.1 |
| 2002@2[教室] | 110 | 20 | 3202 | 115 | 0 | 0 | 1102 | 3318 | 4419 | 30.1 | 40.1 |
| 2003@2[办公-普通办公室] | 63 | 20 | 2771 | 118 | 0 | 0 | 634 | 2890 | 3523 | 45.6 | 55.6 |
| 2004@2[教室] | 63 | 20 | 2775 | 118 | 0 | 0 | 634 | 2893 | 3527 | 45.7 | 55.7 |
| 2005@2[音乐教室] | 60 | 20 | 3506 | 118 | 0 | 0 | 605 | 3624 | 4229 | 59.9 | 69.9 |
| 2007@2[休息室] | 33 | 20 | 1776 | 39 | 0 | 0 | 328 | 1816 | 2143 | 55.4 | 65.4 |
| 2008@2[琴房] | 8 | 20 | 724 | 37 | 0 | 0 | 81 | 761 | 842 | 93.9 | 103.9 |
| 2012@2,2014@2,2015@2[琴房] | 7 | 20 | 659 | 37 | 0 | 0 | 72 | 696 | 768 | 96.7 | 106.7 |
| 2016@2[琴房] | 7 | 20 | 854 | 37 | 0 | 0 | 72 | 890 | 962 | 123.6 | 133.6 |
| **合计** | **542** |  | **24062** | **1041** | **0** | **0** |  | **19686** |  | **36.3** |  |
| 3层 | 2001@3[办公-走廊] | 175 | 16 | 6234 | 250 | 0 | 0 | 1747 | 6484 | 8231 | 37.1 | 47.1 |
| 2002@3[教室] | 110 | 20 | 3202 | 87 | 0 | 0 | 1102 | 3290 | 4391 | 29.9 | 39.9 |
| 2003@3[办公-普通办公室] | 63 | 20 | 2771 | 92 | 0 | 0 | 634 | 2863 | 3496 | 45.2 | 55.2 |
| 2004@3[教室] | 63 | 20 | 2775 | 92 | 0 | 0 | 634 | 2867 | 3500 | 45.2 | 55.2 |
| 2005@3[音乐教室] | 60 | 20 | 2756 | 92 | 0 | 0 | 605 | 2847 | 3452 | 47.1 | 57.1 |
| 2007@3[休息室] | 33 | 20 | 1370 | 31 | 0 | 0 | 328 | 1401 | 1728 | 42.8 | 52.8 |
| 2008@3[琴房] | 8 | 20 | 724 | 26 | 0 | 0 | 81 | 751 | 832 | 92.7 | 102.7 |
| 2012@3,2014@3,2015@3[琴房] | 7 | 20 | 659 | 26 | 0 | 0 | 72 | 686 | 758 | 95.3 | 105.3 |
| 2016@3[琴房] | 7 | 20 | 854 | 26 | 0 | 0 | 72 | 880 | 952 | 122.2 | 132.2 |
| **合计** | **542** |  | **22664** | **775** | **0** | **0** |  | **18021** |  | **33.3** |  |
| 4层 | 2001@4[办公-走廊] | 175 | 16 | 6234 | 125 | 0 | 0 | 1747 | 6359 | 8106 | 36.4 | 46.4 |
| 2002@4[教室] | 110 | 20 | 3202 | 53 | 0 | 0 | 1102 | 3255 | 4357 | 29.6 | 39.6 |
| 2003@4[办公-普通办公室] | 63 | 20 | 2771 | 59 | 0 | 0 | 634 | 2831 | 3464 | 44.7 | 54.7 |
| 2004@4[教室] | 63 | 20 | 2775 | 59 | 0 | 0 | 634 | 2835 | 3468 | 44.7 | 54.7 |
| 2005@4[音乐教室] | 60 | 20 | 2756 | 59 | 0 | 0 | 605 | 2815 | 3420 | 46.5 | 56.5 |
| 2007@4[休息室] | 33 | 20 | 1370 | 20 | 0 | 0 | 328 | 1390 | 1717 | 42.4 | 52.4 |
| 2008@4[琴房] | 8 | 20 | 724 | 14 | 0 | 0 | 81 | 738 | 819 | 91.1 | 101.1 |
| 2012@4,2014@4,2015@4[琴房] | 7 | 20 | 659 | 14 | 0 | 0 | 72 | 673 | 745 | 93.5 | 103.5 |
| 2016@4[琴房] | 7 | 20 | 854 | 14 | 0 | 0 | 72 | 867 | 939 | 120.4 | 130.4 |
| **合计** | **542** |  | **22664** | **444** | **0** | **0** |  | **17691** |  | **32.7** |  |
| 5层 | 2001@5[办公-走廊] | 175 | 16 | 8078 | 0 | 0 | 0 | 1747 | 8078 | 9825 | 46.2 | 56.2 |
| 2002@5[教室] | 110 | 20 | 3202 | 0 | 0 | 0 | 1102 | 3202 | 4304 | 29.1 | 39.1 |
| 2003@5[办公-普通办公室] | 63 | 20 | 3539 | 11 | 0 | 0 | 634 | 3550 | 4184 | 56.0 | 66.0 |
| 2004@5[教室] | 63 | 20 | 3543 | 11 | 0 | 0 | 634 | 3554 | 4188 | 56.1 | 66.1 |
| 2005@5[音乐教室] | 60 | 20 | 2756 | 11 | 0 | 0 | 605 | 2767 | 3371 | 45.7 | 55.7 |
| 2007@5[休息室] | 33 | 20 | 1767 | 4 | 0 | 0 | 328 | 1771 | 2098 | 54.1 | 64.1 |
| 2008@5[琴房] | 8 | 20 | 724 | 0 | 0 | 0 | 81 | 724 | 805 | 89.4 | 99.4 |
| 2012@5,2014@5,2015@5[琴房] | 7 | 20 | 659 | 0 | 0 | 0 | 72 | 659 | 731 | 91.6 | 101.6 |
| 2016@5[琴房] | 7 | 20 | 854 | 0 | 0 | 0 | 72 | 854 | 926 | 118.5 | 128.5 |
| **合计** | **542** |  | **26441** | **36** | **0** | **0** |  | **21060** |  | **38.9** |  |
| 6层 | 2002[教室] | 110 | 20 | 5934 | 0 | 0 | 0 | 1102 | 5934 | 7036 | 53.9 | 63.9 |
| 2005[音乐教室] | 60 | 20 | 4818 | 0 | 0 | 0 | 605 | 4818 | 5423 | 79.7 | 89.7 |
| 2008[琴房] | 8 | 20 | 1000 | 0 | 0 | 0 | 81 | 1000 | 1081 | 123.5 | 133.5 |
| 2012,2014,2015[琴房] | 7 | 20 | 747 | 0 | 0 | 0 | 72 | 747 | 819 | 103.7 | 113.7 |
| 2016[琴房] | 7 | 20 | 941 | 0 | 0 | 0 | 72 | 941 | 1013 | 130.7 | 140.7 |
| **合计** | **208** |  | **14933** | **0** | **0** | **0** |  | **12857** |  | **62.0** |  |
| **总计** | | **2858** |  | **130176** | **3241** | **0** | **0** |  | **133418** |  | **46.7** |  |

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[教室] | 西外墙 | 14.58 | 0.40 | 20 | 31.0 | 1.0 | 180.8 | -0.05 | 0.50 | 0.00 | 262.1 | 0.00 | 262.1 |
| 西外窗 | 24.30 | 1.90 | 20 | 31.0 | 1.0 | 1431.3 | -0.05 | 0.50 | 0.00 | 2075.3 | 0.00 | 2075.3 |
| 内墙 | 36.72 | 0.61 | 20 | 4.0 | 1.0 | 89.6 | 0.00 | 0.00 | 0.00 | 89.6 | 0.00 | 89.6 |
| 内墙 | 32.83 | 0.61 | 20 | 4.0 | 1.0 | 80.1 | 0.00 | 0.00 | 0.00 | 80.1 | 0.00 | 80.1 |
| 内门 | 6.05 | 1.50 | 20 | 4.0 | 1.0 | 36.3 | 0.00 | 0.00 | 0.00 | 36.3 | 0.00 | 36.3 |
| 非周边地面 | 88.56 | 0.30 | 20 | 31.0 | 1.0 | 823.6 |  |  | 0.00 | 823.6 | 0.00 | 823.6 |
| 周边地面 | 21.60 | 0.41 | 20 | 31.0 | 1.0 | 274.5 |  |  | 0.00 | 274.5 | 0.00 | 274.5 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 138.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1101.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4882** |
| X002[库房] | 屋顶 | 66.42 | 0.39 | 20 | 31.0 | 1.0 | 805.1 | 0.00 | 0.00 | 0.00 | 805.1 | 0.00 | 805.1 |
| 西外墙 | 25.83 | 0.40 | 20 | 31.0 | 1.0 | 320.3 | -0.05 | 0.50 | 0.00 | 464.4 | 0.00 | 464.4 |
| 南外墙 | 33.48 | 0.40 | 20 | 31.0 | 1.0 | 415.2 | -0.15 | 0.50 | 0.00 | 560.5 | 0.00 | 560.5 |
| 西外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.05 | 0.50 | 0.00 | 376.6 | 0.00 | 376.6 |
| 南外窗 | 10.80 | 1.90 | 20 | 31.0 | 1.0 | 636.1 | -0.15 | 0.50 | 0.00 | 858.8 | 0.00 | 858.8 |
| 内墙 | 4.41 | 0.61 | 20 | 4.0 | 1.0 | 10.8 | 0.00 | 0.00 | 0.00 | 10.8 | 0.00 | 10.8 |
| 内门 | 3.15 | 1.50 | 20 | 4.0 | 1.0 | 18.9 | 0.00 | 0.00 | 0.00 | 18.9 | 0.00 | 18.9 |
| 非周边地面 | 65.92 | 0.30 | 20 | 31.0 | 1.0 | 613.1 |  |  | 0.00 | 613.1 | 0.00 | 613.1 |
| 周边地面 | 37.40 | 0.41 | 20 | 31.0 | 1.0 | 475.4 |  |  | 0.00 | 475.4 | 0.00 | 475.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 276.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1033.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **5493** |
| X003[大厅] | 东外墙 | 10.08 | 0.40 | 16 | 27.0 | 1.0 | 108.9 | -0.05 | 0.50 | 0.00 | 157.9 | 0.00 | 157.9 |
| 东外窗 | 10.80 | 1.90 | 16 | 27.0 | 1.0 | 554.0 | -0.05 | 0.50 | 0.00 | 803.4 | 0.00 | 803.4 |
| 东外门 | 18.00 | 0.80 | 16 | 27.0 | 1.0 | 388.8 | -0.05 | 0.50 | 0.00 | 563.8 | 0.00 | 563.8 |
| 内墙 | 10.89 | 0.61 | 16 | -4.0 | 1.0 | -26.6 | 0.00 | 0.00 | 0.00 | -26.6 | 0.00 | -26.6 |
| 内墙 | 4.41 | 0.61 | 16 | -4.0 | 1.0 | -10.8 | 0.00 | 0.00 | 0.00 | -10.8 | 0.00 | -10.8 |
| 内墙 | 32.83 | 0.61 | 16 | -4.0 | 1.0 | -80.1 | 0.00 | 0.00 | 0.00 | -80.1 | 0.00 | -80.1 |
| 内门 | 3.15 | 1.50 | 16 | -4.0 | 1.0 | -18.9 | 0.00 | 0.00 | 0.00 | -18.9 | 0.00 | -18.9 |
| 内门 | 3.15 | 1.50 | 16 | -4.0 | 1.0 | -18.9 | 0.00 | 0.00 | 0.00 | -18.9 | 0.00 | -18.9 |
| 内门 | 6.05 | 1.50 | 16 | -4.0 | 1.0 | -36.3 | 0.00 | 0.00 | 0.00 | -36.3 | 0.00 | -36.3 |
| 非周边地面 | 43.20 | 0.30 | 16 | 27.0 | 1.0 | 349.9 |  |  | 0.00 | 349.9 | 0.00 | 349.9 |
| 周边地面 | 21.60 | 0.41 | 16 | 27.0 | 1.0 | 239.1 |  |  | 0.00 | 239.1 | 0.00 | 239.1 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 120.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 648.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2691** |
| X004[办公-普通办公室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 西外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 29.16 | 0.61 | 20 | 4.0 | 1.0 | 71.2 | 0.00 | 0.00 | 0.00 | 71.2 | 0.00 | 71.2 |
| 内门 | 5.40 | 1.50 | 20 | 4.0 | 1.0 | 32.4 | 0.00 | 0.00 | 0.00 | 32.4 | 0.00 | 32.4 |
| 非周边地面 | 34.96 | 0.30 | 20 | 31.0 | 1.0 | 325.1 |  |  | 0.00 | 325.1 | 0.00 | 325.1 |
| 周边地面 | 28.40 | 0.41 | 20 | 31.0 | 1.0 | 361.0 |  |  | 0.00 | 361.0 | 0.00 | 361.0 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 141.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4232** |
| X005[教室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 东外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 非周边地面 | 34.96 | 0.30 | 20 | 31.0 | 1.0 | 325.1 |  |  | 0.00 | 325.1 | 0.00 | 325.1 |
| 周边地面 | 28.40 | 0.41 | 20 | 31.0 | 1.0 | 361.0 |  |  | 0.00 | 361.0 | 0.00 | 361.0 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 141.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4236** |
| X006[办公-走廊] | 南外墙 | 10.80 | 0.40 | 16 | 27.0 | 1.0 | 116.6 | -0.15 | 0.50 | 0.00 | 157.5 | 0.00 | 157.5 |
| 东外墙 | 5.49 | 0.40 | 16 | 27.0 | 1.0 | 59.3 | -0.05 | 0.50 | 0.00 | 86.0 | 0.00 | 86.0 |
| 西外墙 | 4.23 | 0.40 | 16 | 27.0 | 1.0 | 45.7 | -0.05 | 0.50 | 0.00 | 66.2 | 0.00 | 66.2 |
| 西外窗 | 4.41 | 1.90 | 16 | 27.0 | 1.0 | 226.2 | -0.05 | 0.50 | 0.00 | 328.0 | 0.00 | 328.0 |
| 东外门 | 3.15 | 0.80 | 16 | 27.0 | 1.0 | 68.0 | -0.05 | 0.50 | 0.00 | 98.7 | 0.00 | 98.7 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 29.16 | 0.61 | 16 | -4.0 | 1.0 | -71.2 | 0.00 | 0.00 | 0.00 | -71.2 | 0.00 | -71.2 |
| 内墙 | 36.72 | 0.61 | 16 | -4.0 | 1.0 | -89.6 | 0.00 | 0.00 | 0.00 | -89.6 | 0.00 | -89.6 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 内门 | 5.40 | 1.50 | 16 | -4.0 | 1.0 | -32.4 | 0.00 | 0.00 | 0.00 | -32.4 | 0.00 | -32.4 |
| 非周边地面 | 34.48 | 0.30 | 16 | 27.0 | 1.0 | 279.3 |  |  | 0.00 | 279.3 | 0.00 | 279.3 |
| 周边地面 | 11.60 | 0.41 | 16 | 27.0 | 1.0 | 128.4 |  |  | 0.00 | 128.4 | 0.00 | 128.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 81.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 460.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1386** |
| X007[楼梯间] | 顶板 | 32.76 | 0.72 | 20 | 4.0 | 1.0 | 93.8 | 0.00 | 0.00 | 0.00 | 93.8 | 0.00 | 93.8 |
| 南外墙 | 4.32 | 0.40 | 20 | 31.0 | 1.0 | 53.6 | -0.15 | 0.50 | 0.00 | 72.3 | 0.00 | 72.3 |
| 东外墙 | 30.24 | 0.40 | 20 | 31.0 | 1.0 | 375.0 | -0.05 | 0.50 | 0.00 | 543.7 | 0.00 | 543.7 |
| 南外窗 | 9.72 | 1.90 | 20 | 31.0 | 1.0 | 572.5 | -0.15 | 0.50 | 0.00 | 772.9 | 0.00 | 772.9 |
| 内墙 | 10.89 | 0.61 | 20 | 4.0 | 1.0 | 26.6 | 0.00 | 0.00 | 0.00 | 26.6 | 0.00 | 26.6 |
| 内门 | 3.15 | 1.50 | 20 | 4.0 | 1.0 | 18.9 | 0.00 | 0.00 | 0.00 | 18.9 | 0.00 | 18.9 |
| 非周边地面 | 12.16 | 0.30 | 20 | 31.0 | 1.0 | 113.1 |  |  | 0.00 | 113.1 | 0.00 | 113.1 |
| 周边地面 | 20.60 | 0.41 | 20 | 31.0 | 1.0 | 261.8 |  |  | 0.00 | 261.8 | 0.00 | 261.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 44.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 327.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2276** |
| 1层 | |  | | | | | | | | | | | **20357** |
| 2001@2[办公-走廊] | 西外墙 | 4.23 | 0.40 | 16 | 27.0 | 1.0 | 45.7 | -0.05 | 0.50 | 0.00 | 66.2 | 0.00 | 66.2 |
| 东外墙 | 20.16 | 0.40 | 16 | 27.0 | 1.0 | 217.7 | -0.05 | 0.50 | 0.00 | 315.7 | 0.00 | 315.7 |
| 南外墙 | 42.84 | 0.40 | 16 | 27.0 | 1.0 | 462.7 | -0.15 | 0.50 | 0.00 | 624.6 | 0.00 | 624.6 |
| 西外窗 | 4.41 | 1.90 | 16 | 27.0 | 1.0 | 226.2 | -0.05 | 0.50 | 0.00 | 328.0 | 0.00 | 328.0 |
| 东外窗 | 34.92 | 1.90 | 16 | 27.0 | 1.0 | 1791.4 | -0.05 | 0.50 | 0.00 | 2597.5 | 0.00 | 2597.5 |
| 南外窗 | 35.28 | 1.90 | 16 | 27.0 | 1.0 | 1809.9 | -0.15 | 0.50 | 0.00 | 2443.3 | 0.00 | 2443.3 |
| 内墙 | 23.85 | 0.61 | 16 | 27.0 | 1.0 | 392.8 | 0.00 | 0.00 | 0.00 | 392.8 | 0.00 | 392.8 |
| 内墙 | 69.30 | 0.61 | 16 | -4.0 | 1.0 | -169.1 | 0.00 | 0.00 | 0.00 | -169.1 | 0.00 | -169.1 |
| 内墙 | 29.16 | 0.61 | 16 | -4.0 | 1.0 | -71.2 | 0.00 | 0.00 | 0.00 | -71.2 | 0.00 | -71.2 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 38.70 | 0.61 | 16 | -4.0 | 1.0 | -94.4 | 0.00 | 0.00 | 0.00 | -94.4 | 0.00 | -94.4 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 10.80 | 0.61 | 16 | -4.0 | 1.0 | -26.4 | 0.00 | 0.00 | 0.00 | -26.4 | 0.00 | -26.4 |
| 内门 | 3.15 | 1.50 | 16 | 27.0 | 1.0 | 127.6 | 0.00 | 0.00 | 0.00 | 127.6 | 0.00 | 127.6 |
| 内门 | 6.30 | 1.50 | 16 | -4.0 | 1.0 | -37.8 | 0.00 | 0.00 | 0.00 | -37.8 | 0.00 | -37.8 |
| 内门 | 5.40 | 1.50 | 16 | -4.0 | 1.0 | -32.4 | 0.00 | 0.00 | 0.00 | -32.4 | 0.00 | -32.4 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 内门 | 2.70 | 1.50 | 16 | -4.0 | 1.0 | -16.2 | 0.00 | 0.00 | 0.00 | -16.2 | 0.00 | -16.2 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 挑空楼板 | 31.08 | 0.40 | 16 | 27.0 | 1.0 | 335.7 | 0.00 | 0.00 | 0.00 | 335.7 | 0.00 | 335.7 |
| 底板 | 32.76 | 0.72 | 16 | -4.0 | 1.0 | -93.8 | 0.00 | 0.00 | 0.00 | -93.8 | 0.00 | -93.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 348.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1747.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **8571** |
| 2002@2[教室] | 西外墙 | 15.12 | 0.40 | 20 | 31.0 | 1.0 | 187.5 | -0.05 | 0.50 | 0.00 | 271.9 | 0.00 | 271.9 |
| 西外窗 | 23.76 | 1.90 | 20 | 31.0 | 1.0 | 1399.5 | -0.05 | 0.50 | 0.00 | 2029.2 | 0.00 | 2029.2 |
| 内墙 | 36.72 | 0.61 | 20 | 31.0 | 1.0 | 694.4 | 0.00 | 0.00 | 0.00 | 694.4 | 0.00 | 694.4 |
| 内墙 | 69.30 | 0.61 | 20 | 4.0 | 1.0 | 169.1 | 0.00 | 0.00 | 0.00 | 169.1 | 0.00 | 169.1 |
| 内门 | 6.30 | 1.50 | 20 | 4.0 | 1.0 | 37.8 | 0.00 | 0.00 | 0.00 | 37.8 | 0.00 | 37.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 115.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1101.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4419** |
| 2003@2[办公-普通办公室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 西外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 29.16 | 0.61 | 20 | 4.0 | 1.0 | 71.2 | 0.00 | 0.00 | 0.00 | 71.2 | 0.00 | 71.2 |
| 内门 | 5.40 | 1.50 | 20 | 4.0 | 1.0 | 32.4 | 0.00 | 0.00 | 0.00 | 32.4 | 0.00 | 32.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 118.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3523** |
| 2004@2[教室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 东外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 118.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3527** |
| 2005@2[音乐教室] | 东外墙 | 22.68 | 0.40 | 20 | 31.0 | 1.0 | 281.2 | -0.05 | 0.50 | 0.00 | 407.8 | 0.00 | 407.8 |
| 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 挑空楼板 | 60.48 | 0.40 | 20 | 31.0 | 1.0 | 750.0 | 0.00 | 0.00 | 0.00 | 750.0 | 0.00 | 750.0 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 118.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 604.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4229** |
| 2007@2[休息室] | 北外墙 | 6.24 | 0.40 | 20 | 31.0 | 1.0 | 77.4 | 0.05 | 0.50 | 0.00 | 119.9 | 0.00 | 119.9 |
| 北外窗 | 12.48 | 1.90 | 20 | 31.0 | 1.0 | 735.1 | 0.05 | 0.50 | 0.00 | 1139.4 | 0.00 | 1139.4 |
| 内墙 | 38.70 | 0.61 | 20 | 4.0 | 1.0 | 94.4 | 0.00 | 0.00 | 0.00 | 94.4 | 0.00 | 94.4 |
| 内门 | 2.70 | 1.50 | 20 | 4.0 | 1.0 | 16.2 | 0.00 | 0.00 | 0.00 | 16.2 | 0.00 | 16.2 |
| 挑空楼板 | 32.76 | 0.40 | 20 | 31.0 | 1.0 | 406.2 | 0.00 | 0.00 | 0.00 | 406.2 | 0.00 | 406.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 39.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 327.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2143** |
| 2008@2[琴房] | 南外墙 | 5.31 | 0.40 | 20 | 31.0 | 1.0 | 65.8 | -0.15 | 0.50 | 0.00 | 88.9 | 0.00 | 88.9 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 7.02 | 0.61 | 20 | 31.0 | 1.0 | 132.7 | 0.00 | 0.00 | 0.00 | 132.7 | 0.00 | 132.7 |
| 内墙 | 10.80 | 0.61 | 20 | 4.0 | 1.0 | 26.4 | 0.00 | 0.00 | 0.00 | 26.4 | 0.00 | 26.4 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 36.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 81.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **842** |
| 2012@2,2014@2,2015@2[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 36.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **768** |
| 2016@2[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 西外墙 | 10.80 | 0.40 | 20 | 31.0 | 1.0 | 133.9 | -0.05 | 0.50 | 0.00 | 194.2 | 0.00 | 194.2 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 36.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **962** |
| 2层 | |  | | | | | | | | | | | **25103** |
| 2001@3[办公-走廊] | 西外墙 | 4.23 | 0.40 | 16 | 27.0 | 1.0 | 45.7 | -0.05 | 0.50 | 0.00 | 66.2 | 0.00 | 66.2 |
| 东外墙 | 20.16 | 0.40 | 16 | 27.0 | 1.0 | 217.7 | -0.05 | 0.50 | 0.00 | 315.7 | 0.00 | 315.7 |
| 南外墙 | 42.84 | 0.40 | 16 | 27.0 | 1.0 | 462.7 | -0.15 | 0.50 | 0.00 | 624.6 | 0.00 | 624.6 |
| 西外窗 | 4.41 | 1.90 | 16 | 27.0 | 1.0 | 226.2 | -0.05 | 0.50 | 0.00 | 328.0 | 0.00 | 328.0 |
| 东外窗 | 34.92 | 1.90 | 16 | 27.0 | 1.0 | 1791.4 | -0.05 | 0.50 | 0.00 | 2597.5 | 0.00 | 2597.5 |
| 南外窗 | 35.28 | 1.90 | 16 | 27.0 | 1.0 | 1809.9 | -0.15 | 0.50 | 0.00 | 2443.3 | 0.00 | 2443.3 |
| 内墙 | 23.85 | 0.61 | 16 | 27.0 | 1.0 | 392.8 | 0.00 | 0.00 | 0.00 | 392.8 | 0.00 | 392.8 |
| 内墙 | 69.30 | 0.61 | 16 | -4.0 | 1.0 | -169.1 | 0.00 | 0.00 | 0.00 | -169.1 | 0.00 | -169.1 |
| 内墙 | 29.16 | 0.61 | 16 | -4.0 | 1.0 | -71.2 | 0.00 | 0.00 | 0.00 | -71.2 | 0.00 | -71.2 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 38.70 | 0.61 | 16 | -4.0 | 1.0 | -94.4 | 0.00 | 0.00 | 0.00 | -94.4 | 0.00 | -94.4 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 10.80 | 0.61 | 16 | -4.0 | 1.0 | -26.4 | 0.00 | 0.00 | 0.00 | -26.4 | 0.00 | -26.4 |
| 内门 | 3.15 | 1.50 | 16 | 27.0 | 1.0 | 127.6 | 0.00 | 0.00 | 0.00 | 127.6 | 0.00 | 127.6 |
| 内门 | 6.30 | 1.50 | 16 | -4.0 | 1.0 | -37.8 | 0.00 | 0.00 | 0.00 | -37.8 | 0.00 | -37.8 |
| 内门 | 5.40 | 1.50 | 16 | -4.0 | 1.0 | -32.4 | 0.00 | 0.00 | 0.00 | -32.4 | 0.00 | -32.4 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 内门 | 2.70 | 1.50 | 16 | -4.0 | 1.0 | -16.2 | 0.00 | 0.00 | 0.00 | -16.2 | 0.00 | -16.2 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 250.2 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1747.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **8231** |
| 2002@3[教室] | 西外墙 | 15.12 | 0.40 | 20 | 31.0 | 1.0 | 187.5 | -0.05 | 0.50 | 0.00 | 271.9 | 0.00 | 271.9 |
| 西外窗 | 23.76 | 1.90 | 20 | 31.0 | 1.0 | 1399.5 | -0.05 | 0.50 | 0.00 | 2029.2 | 0.00 | 2029.2 |
| 内墙 | 36.72 | 0.61 | 20 | 31.0 | 1.0 | 694.4 | 0.00 | 0.00 | 0.00 | 694.4 | 0.00 | 694.4 |
| 内墙 | 69.30 | 0.61 | 20 | 4.0 | 1.0 | 169.1 | 0.00 | 0.00 | 0.00 | 169.1 | 0.00 | 169.1 |
| 内门 | 6.30 | 1.50 | 20 | 4.0 | 1.0 | 37.8 | 0.00 | 0.00 | 0.00 | 37.8 | 0.00 | 37.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 87.2 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1101.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4391** |
| 2003@3[办公-普通办公室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 西外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 29.16 | 0.61 | 20 | 4.0 | 1.0 | 71.2 | 0.00 | 0.00 | 0.00 | 71.2 | 0.00 | 71.2 |
| 内门 | 5.40 | 1.50 | 20 | 4.0 | 1.0 | 32.4 | 0.00 | 0.00 | 0.00 | 32.4 | 0.00 | 32.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 91.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3496** |
| 2004@3[教室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 东外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 91.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3500** |
| 2005@3[音乐教室] | 东外墙 | 22.68 | 0.40 | 20 | 31.0 | 1.0 | 281.2 | -0.05 | 0.50 | 0.00 | 407.8 | 0.00 | 407.8 |
| 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 91.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 604.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3452** |
| 2007@3[休息室] | 北外墙 | 6.24 | 0.40 | 20 | 31.0 | 1.0 | 77.4 | 0.05 | 0.50 | 0.00 | 119.9 | 0.00 | 119.9 |
| 北外窗 | 12.48 | 1.90 | 20 | 31.0 | 1.0 | 735.1 | 0.05 | 0.50 | 0.00 | 1139.4 | 0.00 | 1139.4 |
| 内墙 | 38.70 | 0.61 | 20 | 4.0 | 1.0 | 94.4 | 0.00 | 0.00 | 0.00 | 94.4 | 0.00 | 94.4 |
| 内门 | 2.70 | 1.50 | 20 | 4.0 | 1.0 | 16.2 | 0.00 | 0.00 | 0.00 | 16.2 | 0.00 | 16.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 30.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 327.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1728** |
| 2008@3[琴房] | 南外墙 | 5.31 | 0.40 | 20 | 31.0 | 1.0 | 65.8 | -0.15 | 0.50 | 0.00 | 88.9 | 0.00 | 88.9 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 7.02 | 0.61 | 20 | 31.0 | 1.0 | 132.7 | 0.00 | 0.00 | 0.00 | 132.7 | 0.00 | 132.7 |
| 内墙 | 10.80 | 0.61 | 20 | 4.0 | 1.0 | 26.4 | 0.00 | 0.00 | 0.00 | 26.4 | 0.00 | 26.4 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 26.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 81.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **832** |
| 2012@3,2014@3,2015@3[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 26.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **758** |
| 2016@3[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 西外墙 | 10.80 | 0.40 | 20 | 31.0 | 1.0 | 133.9 | -0.05 | 0.50 | 0.00 | 194.2 | 0.00 | 194.2 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 26.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **952** |
| 3层 | |  | | | | | | | | | | | **23439** |
| 2001@4[办公-走廊] | 西外墙 | 4.23 | 0.40 | 16 | 27.0 | 1.0 | 45.7 | -0.05 | 0.50 | 0.00 | 66.2 | 0.00 | 66.2 |
| 东外墙 | 20.16 | 0.40 | 16 | 27.0 | 1.0 | 217.7 | -0.05 | 0.50 | 0.00 | 315.7 | 0.00 | 315.7 |
| 南外墙 | 42.84 | 0.40 | 16 | 27.0 | 1.0 | 462.7 | -0.15 | 0.50 | 0.00 | 624.6 | 0.00 | 624.6 |
| 西外窗 | 4.41 | 1.90 | 16 | 27.0 | 1.0 | 226.2 | -0.05 | 0.50 | 0.00 | 328.0 | 0.00 | 328.0 |
| 东外窗 | 34.92 | 1.90 | 16 | 27.0 | 1.0 | 1791.4 | -0.05 | 0.50 | 0.00 | 2597.5 | 0.00 | 2597.5 |
| 南外窗 | 35.28 | 1.90 | 16 | 27.0 | 1.0 | 1809.9 | -0.15 | 0.50 | 0.00 | 2443.3 | 0.00 | 2443.3 |
| 内墙 | 23.85 | 0.61 | 16 | 27.0 | 1.0 | 392.8 | 0.00 | 0.00 | 0.00 | 392.8 | 0.00 | 392.8 |
| 内墙 | 69.30 | 0.61 | 16 | -4.0 | 1.0 | -169.1 | 0.00 | 0.00 | 0.00 | -169.1 | 0.00 | -169.1 |
| 内墙 | 29.16 | 0.61 | 16 | -4.0 | 1.0 | -71.2 | 0.00 | 0.00 | 0.00 | -71.2 | 0.00 | -71.2 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 38.70 | 0.61 | 16 | -4.0 | 1.0 | -94.4 | 0.00 | 0.00 | 0.00 | -94.4 | 0.00 | -94.4 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 10.80 | 0.61 | 16 | -4.0 | 1.0 | -26.4 | 0.00 | 0.00 | 0.00 | -26.4 | 0.00 | -26.4 |
| 内门 | 3.15 | 1.50 | 16 | 27.0 | 1.0 | 127.6 | 0.00 | 0.00 | 0.00 | 127.6 | 0.00 | 127.6 |
| 内门 | 6.30 | 1.50 | 16 | -4.0 | 1.0 | -37.8 | 0.00 | 0.00 | 0.00 | -37.8 | 0.00 | -37.8 |
| 内门 | 5.40 | 1.50 | 16 | -4.0 | 1.0 | -32.4 | 0.00 | 0.00 | 0.00 | -32.4 | 0.00 | -32.4 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 内门 | 2.70 | 1.50 | 16 | -4.0 | 1.0 | -16.2 | 0.00 | 0.00 | 0.00 | -16.2 | 0.00 | -16.2 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 125.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1747.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **8106** |
| 2002@4[教室] | 西外墙 | 15.12 | 0.40 | 20 | 31.0 | 1.0 | 187.5 | -0.05 | 0.50 | 0.00 | 271.9 | 0.00 | 271.9 |
| 西外窗 | 23.76 | 1.90 | 20 | 31.0 | 1.0 | 1399.5 | -0.05 | 0.50 | 0.00 | 2029.2 | 0.00 | 2029.2 |
| 内墙 | 36.72 | 0.61 | 20 | 31.0 | 1.0 | 694.4 | 0.00 | 0.00 | 0.00 | 694.4 | 0.00 | 694.4 |
| 内墙 | 69.30 | 0.61 | 20 | 4.0 | 1.0 | 169.1 | 0.00 | 0.00 | 0.00 | 169.1 | 0.00 | 169.1 |
| 内门 | 6.30 | 1.50 | 20 | 4.0 | 1.0 | 37.8 | 0.00 | 0.00 | 0.00 | 37.8 | 0.00 | 37.8 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 52.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1101.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4357** |
| 2003@4[办公-普通办公室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 西外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 29.16 | 0.61 | 20 | 4.0 | 1.0 | 71.2 | 0.00 | 0.00 | 0.00 | 71.2 | 0.00 | 71.2 |
| 内门 | 5.40 | 1.50 | 20 | 4.0 | 1.0 | 32.4 | 0.00 | 0.00 | 0.00 | 32.4 | 0.00 | 32.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 59.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3464** |
| 2004@4[教室] | 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 东外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 59.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3468** |
| 2005@4[音乐教室] | 东外墙 | 22.68 | 0.40 | 20 | 31.0 | 1.0 | 281.2 | -0.05 | 0.50 | 0.00 | 407.8 | 0.00 | 407.8 |
| 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 59.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 604.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3420** |
| 2007@4[休息室] | 北外墙 | 6.24 | 0.40 | 20 | 31.0 | 1.0 | 77.4 | 0.05 | 0.50 | 0.00 | 119.9 | 0.00 | 119.9 |
| 北外窗 | 12.48 | 1.90 | 20 | 31.0 | 1.0 | 735.1 | 0.05 | 0.50 | 0.00 | 1139.4 | 0.00 | 1139.4 |
| 内墙 | 38.70 | 0.61 | 20 | 4.0 | 1.0 | 94.4 | 0.00 | 0.00 | 0.00 | 94.4 | 0.00 | 94.4 |
| 内门 | 2.70 | 1.50 | 20 | 4.0 | 1.0 | 16.2 | 0.00 | 0.00 | 0.00 | 16.2 | 0.00 | 16.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 19.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 327.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1717** |
| 2008@4[琴房] | 南外墙 | 5.31 | 0.40 | 20 | 31.0 | 1.0 | 65.8 | -0.15 | 0.50 | 0.00 | 88.9 | 0.00 | 88.9 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 7.02 | 0.61 | 20 | 31.0 | 1.0 | 132.7 | 0.00 | 0.00 | 0.00 | 132.7 | 0.00 | 132.7 |
| 内墙 | 10.80 | 0.61 | 20 | 4.0 | 1.0 | 26.4 | 0.00 | 0.00 | 0.00 | 26.4 | 0.00 | 26.4 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 13.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 81.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **819** |
| 2012@4,2014@4,2015@4[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 13.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **745** |
| 2016@4[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 西外墙 | 10.80 | 0.40 | 20 | 31.0 | 1.0 | 133.9 | -0.05 | 0.50 | 0.00 | 194.2 | 0.00 | 194.2 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 13.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **939** |
| 4层 | |  | | | | | | | | | | | **23108** |
| 2001@5[办公-走廊] | 屋顶 | 174.72 | 0.39 | 16 | 27.0 | 1.0 | 1844.5 | 0.00 | 0.00 | 0.00 | 1844.5 | 0.00 | 1844.5 |
| 西外墙 | 4.23 | 0.40 | 16 | 27.0 | 1.0 | 45.7 | -0.05 | 0.50 | 0.00 | 66.2 | 0.00 | 66.2 |
| 东外墙 | 20.16 | 0.40 | 16 | 27.0 | 1.0 | 217.7 | -0.05 | 0.50 | 0.00 | 315.7 | 0.00 | 315.7 |
| 南外墙 | 42.84 | 0.40 | 16 | 27.0 | 1.0 | 462.7 | -0.15 | 0.50 | 0.00 | 624.6 | 0.00 | 624.6 |
| 西外窗 | 4.41 | 1.90 | 16 | 27.0 | 1.0 | 226.2 | -0.05 | 0.50 | 0.00 | 328.0 | 0.00 | 328.0 |
| 东外窗 | 34.92 | 1.90 | 16 | 27.0 | 1.0 | 1791.4 | -0.05 | 0.50 | 0.00 | 2597.5 | 0.00 | 2597.5 |
| 南外窗 | 35.28 | 1.90 | 16 | 27.0 | 1.0 | 1809.9 | -0.15 | 0.50 | 0.00 | 2443.3 | 0.00 | 2443.3 |
| 内墙 | 23.85 | 0.61 | 16 | 27.0 | 1.0 | 392.8 | 0.00 | 0.00 | 0.00 | 392.8 | 0.00 | 392.8 |
| 内墙 | 69.30 | 0.61 | 16 | -4.0 | 1.0 | -169.1 | 0.00 | 0.00 | 0.00 | -169.1 | 0.00 | -169.1 |
| 内墙 | 29.16 | 0.61 | 16 | -4.0 | 1.0 | -71.2 | 0.00 | 0.00 | 0.00 | -71.2 | 0.00 | -71.2 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 38.70 | 0.61 | 16 | -4.0 | 1.0 | -94.4 | 0.00 | 0.00 | 0.00 | -94.4 | 0.00 | -94.4 |
| 内墙 | 28.08 | 0.61 | 16 | -4.0 | 1.0 | -68.5 | 0.00 | 0.00 | 0.00 | -68.5 | 0.00 | -68.5 |
| 内墙 | 10.80 | 0.61 | 16 | -4.0 | 1.0 | -26.4 | 0.00 | 0.00 | 0.00 | -26.4 | 0.00 | -26.4 |
| 内门 | 3.15 | 1.50 | 16 | 27.0 | 1.0 | 127.6 | 0.00 | 0.00 | 0.00 | 127.6 | 0.00 | 127.6 |
| 内门 | 6.30 | 1.50 | 16 | -4.0 | 1.0 | -37.8 | 0.00 | 0.00 | 0.00 | -37.8 | 0.00 | -37.8 |
| 内门 | 5.40 | 1.50 | 16 | -4.0 | 1.0 | -32.4 | 0.00 | 0.00 | 0.00 | -32.4 | 0.00 | -32.4 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 内门 | 2.70 | 1.50 | 16 | -4.0 | 1.0 | -16.2 | 0.00 | 0.00 | 0.00 | -16.2 | 0.00 | -16.2 |
| 内门 | 6.48 | 1.50 | 16 | -4.0 | 1.0 | -38.9 | 0.00 | 0.00 | 0.00 | -38.9 | 0.00 | -38.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1747.2 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **9825** |
| 2002@5[教室] | 西外墙 | 15.12 | 0.40 | 20 | 31.0 | 1.0 | 187.5 | -0.05 | 0.50 | 0.00 | 271.9 | 0.00 | 271.9 |
| 西外窗 | 23.76 | 1.90 | 20 | 31.0 | 1.0 | 1399.5 | -0.05 | 0.50 | 0.00 | 2029.2 | 0.00 | 2029.2 |
| 内墙 | 36.72 | 0.61 | 20 | 31.0 | 1.0 | 694.4 | 0.00 | 0.00 | 0.00 | 694.4 | 0.00 | 694.4 |
| 内墙 | 69.30 | 0.61 | 20 | 4.0 | 1.0 | 169.1 | 0.00 | 0.00 | 0.00 | 169.1 | 0.00 | 169.1 |
| 内门 | 6.30 | 1.50 | 20 | 4.0 | 1.0 | 37.8 | 0.00 | 0.00 | 0.00 | 37.8 | 0.00 | 37.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1101.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4304** |
| 2003@5[办公-普通办公室] | 屋顶 | 63.36 | 0.39 | 20 | 31.0 | 1.0 | 768.0 | 0.00 | 0.00 | 0.00 | 768.0 | 0.00 | 768.0 |
| 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 西外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 29.16 | 0.61 | 20 | 4.0 | 1.0 | 71.2 | 0.00 | 0.00 | 0.00 | 71.2 | 0.00 | 71.2 |
| 内门 | 5.40 | 1.50 | 20 | 4.0 | 1.0 | 32.4 | 0.00 | 0.00 | 0.00 | 32.4 | 0.00 | 32.4 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 10.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4184** |
| 2004@5[教室] | 屋顶 | 63.36 | 0.39 | 20 | 31.0 | 1.0 | 768.0 | 0.00 | 0.00 | 0.00 | 768.0 | 0.00 | 768.0 |
| 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 东外墙 | 23.76 | 0.40 | 20 | 31.0 | 1.0 | 294.6 | -0.05 | 0.50 | 0.00 | 427.2 | 0.00 | 427.2 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 10.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 633.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **4188** |
| 2005@5[音乐教室] | 东外墙 | 22.68 | 0.40 | 20 | 31.0 | 1.0 | 281.2 | -0.05 | 0.50 | 0.00 | 407.8 | 0.00 | 407.8 |
| 北外墙 | 12.69 | 0.40 | 20 | 31.0 | 1.0 | 157.4 | 0.05 | 0.50 | 0.00 | 243.9 | 0.00 | 243.9 |
| 北外窗 | 21.87 | 1.90 | 20 | 31.0 | 1.0 | 1288.1 | 0.05 | 0.50 | 0.00 | 1996.6 | 0.00 | 1996.6 |
| 内墙 | 28.08 | 0.61 | 20 | 4.0 | 1.0 | 68.5 | 0.00 | 0.00 | 0.00 | 68.5 | 0.00 | 68.5 |
| 内门 | 6.48 | 1.50 | 20 | 4.0 | 1.0 | 38.9 | 0.00 | 0.00 | 0.00 | 38.9 | 0.00 | 38.9 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 10.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 604.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **3371** |
| 2007@5[休息室] | 屋顶 | 32.76 | 0.39 | 20 | 31.0 | 1.0 | 397.1 | 0.00 | 0.00 | 0.00 | 397.1 | 0.00 | 397.1 |
| 北外墙 | 6.24 | 0.40 | 20 | 31.0 | 1.0 | 77.4 | 0.05 | 0.50 | 0.00 | 119.9 | 0.00 | 119.9 |
| 北外窗 | 12.48 | 1.90 | 20 | 31.0 | 1.0 | 735.1 | 0.05 | 0.50 | 0.00 | 1139.4 | 0.00 | 1139.4 |
| 内墙 | 38.70 | 0.61 | 20 | 4.0 | 1.0 | 94.4 | 0.00 | 0.00 | 0.00 | 94.4 | 0.00 | 94.4 |
| 内门 | 2.70 | 1.50 | 20 | 4.0 | 1.0 | 16.2 | 0.00 | 0.00 | 0.00 | 16.2 | 0.00 | 16.2 |
| 冷风渗透 |  |  |  |  |  |  |  |  |  |  |  | 3.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 327.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **2098** |
| 2008@5[琴房] | 南外墙 | 5.31 | 0.40 | 20 | 31.0 | 1.0 | 65.8 | -0.15 | 0.50 | 0.00 | 88.9 | 0.00 | 88.9 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 7.02 | 0.61 | 20 | 31.0 | 1.0 | 132.7 | 0.00 | 0.00 | 0.00 | 132.7 | 0.00 | 132.7 |
| 内墙 | 10.80 | 0.61 | 20 | 4.0 | 1.0 | 26.4 | 0.00 | 0.00 | 0.00 | 26.4 | 0.00 | 26.4 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 81.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **805** |
| 2012@5,2014@5,2015@5[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **731** |
| 2016@5[琴房] | 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 西外墙 | 10.80 | 0.40 | 20 | 31.0 | 1.0 | 133.9 | -0.05 | 0.50 | 0.00 | 194.2 | 0.00 | 194.2 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **926** |
| 5层 | |  | | | | | | | | | | | **26478** |
| 2002[教室] | 屋顶 | 110.16 | 0.39 | 20 | 31.0 | 1.0 | 1335.2 | 0.00 | 0.00 | 0.00 | 1335.2 | 0.00 | 1335.2 |
| 西外墙 | 15.12 | 0.40 | 20 | 31.0 | 1.0 | 187.5 | -0.05 | 0.50 | 0.00 | 271.9 | 0.00 | 271.9 |
| 西外窗 | 23.76 | 1.90 | 20 | 31.0 | 1.0 | 1399.5 | -0.05 | 0.50 | 0.00 | 2029.2 | 0.00 | 2029.2 |
| 内墙 | 106.02 | 0.61 | 20 | 31.0 | 1.0 | 2004.8 | 0.00 | 0.00 | 0.00 | 2004.8 | 0.00 | 2004.8 |
| 内门 | 6.30 | 1.50 | 20 | 31.0 | 1.0 | 293.0 | 0.00 | 0.00 | 0.00 | 293.0 | 0.00 | 293.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 1101.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **7036** |
| 2005[音乐教室] | 屋顶 | 60.48 | 0.39 | 20 | 31.0 | 1.0 | 733.1 | 0.00 | 0.00 | 0.00 | 733.1 | 0.00 | 733.1 |
| 东外墙 | 22.68 | 0.40 | 20 | 31.0 | 1.0 | 281.2 | -0.05 | 0.50 | 0.00 | 407.8 | 0.00 | 407.8 |
| 北外墙 | 10.26 | 0.40 | 20 | 31.0 | 1.0 | 127.2 | 0.05 | 0.50 | 0.00 | 197.2 | 0.00 | 197.2 |
| 北外窗 | 24.30 | 1.90 | 20 | 31.0 | 1.0 | 1431.3 | 0.05 | 0.50 | 0.00 | 2218.5 | 0.00 | 2218.5 |
| 内墙 | 50.76 | 0.61 | 20 | 31.0 | 1.0 | 959.9 | 0.00 | 0.00 | 0.00 | 959.9 | 0.00 | 959.9 |
| 内门 | 6.48 | 1.50 | 20 | 31.0 | 1.0 | 301.3 | 0.00 | 0.00 | 0.00 | 301.3 | 0.00 | 301.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 604.8 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **5423** |
| 2008[琴房] | 屋顶 | 8.10 | 0.39 | 20 | 31.0 | 1.0 | 98.2 | 0.00 | 0.00 | 0.00 | 98.2 | 0.00 | 98.2 |
| 南外墙 | 5.31 | 0.40 | 20 | 31.0 | 1.0 | 65.8 | -0.15 | 0.50 | 0.00 | 88.9 | 0.00 | 88.9 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 17.82 | 0.61 | 20 | 31.0 | 1.0 | 337.0 | 0.00 | 0.00 | 0.00 | 337.0 | 0.00 | 337.0 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 81.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1081** |
| 2012,2014,2015[琴房] | 屋顶 | 7.20 | 0.39 | 20 | 31.0 | 1.0 | 87.3 | 0.00 | 0.00 | 0.00 | 87.3 | 0.00 | 87.3 |
| 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **819** |
| 2016[琴房] | 屋顶 | 7.20 | 0.39 | 20 | 31.0 | 1.0 | 87.3 | 0.00 | 0.00 | 0.00 | 87.3 | 0.00 | 87.3 |
| 南外墙 | 4.23 | 0.40 | 20 | 31.0 | 1.0 | 52.5 | -0.15 | 0.50 | 0.00 | 70.8 | 0.00 | 70.8 |
| 西外墙 | 10.80 | 0.40 | 20 | 31.0 | 1.0 | 133.9 | -0.05 | 0.50 | 0.00 | 194.2 | 0.00 | 194.2 |
| 南外窗 | 4.41 | 1.90 | 20 | 31.0 | 1.0 | 259.7 | -0.15 | 0.50 | 0.00 | 350.7 | 0.00 | 350.7 |
| 内墙 | 5.94 | 0.61 | 20 | 31.0 | 1.0 | 112.3 | 0.00 | 0.00 | 0.00 | 112.3 | 0.00 | 112.3 |
| 内门 | 2.70 | 1.50 | 20 | 31.0 | 1.0 | 125.6 | 0.00 | 0.00 | 0.00 | 125.6 | 0.00 | 125.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 72.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1013** |
| 6层 | |  | | | | | | | | | | | **14933** |
| 新建项目 | |  | | | | | | | | | | | **133418** |