**南昌市公共建筑节能审查备案登记表**

2020年12月22日 年 月

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| **一、建筑工程项目基本情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 建设单位名称 | | | | | 江西农业大学（章） | | | | | | | | 设计 | | 单位名称 | | | | | 江西农业大学 | | | | | | | | | | | | | | | | | | |
| 施工 | |  | | | | | | | | | | | | | | | | | | |
| 工程项目名称 | | | | | 江西农业大学北区图书馆绿色提升改造设计 | | | | | | | | 单位工程名称 | | | | | | |  | | | | | | | | | | | | | | | | | | |
| 建筑类型 | | | | |  | | | | | | | | 层数/建筑节能计算层数 | | | | | | | 地上：5层；地下：－层； | | | | | | | | | | | | | | | | | | |
| 设计建筑面积/建筑节能计算面积（m2） | | | | | 8030.16 | | | | | | | | 实际竣工面积（m2） | | | | | | |  | | | | | | | | | | | | | | | | | | |
| **二、围护结构技术措施基本情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **施工图设计执行现行公共建筑节能设计标准及相关规定等情况** | **项目** | | | | | | | | | | **限值（标准指标）** | | | | | | | | | | **实际结果（计算值）** | | | | | | | | | | | | | | | | | |
| **外**  **围**  **护**  **结**  **构** | 传热系数  K值  W/（m**2**.K） | | 屋面 | | | | | | | ≤0.70 | | | | | | | | | | 0.49 | | | | | | | | | | | | | | | | | |
| 外墙（包括非透明幕墙）**平均** | | | | | | | ≤1.0 | | | | | | | | | | 0.51 | | | | | | | | | | | | | | | | | |
| 底面接触室外空气的架空或外挑楼板 | | | | | | | ≤1.0 | | | | | | | | | | － | | | | | | | | | | | | | | | | | |
| 热 阻  （**㎡**.k）/W | | 地面 | | | | | | | ≥1.2 | | | | | | | | | | 0.09 | | | | | | | | | | | | | | | | | |
| 地下室外墙（与土壤接触的墙） | | | | | | | ≥1.2 | | | | | | | | | | － | | | | | | | | | | | | | | | | | |
| 屋顶透明  部分 | | 传热系数（K值） | | | | | | | ≤3.0 | | | | | | | | | | － | | | | | | | | | | | | | | | | | |
| 遮阳系数（SC） | | | | | | | ≤0.40 | | | | | | | | | | － | | | | | | | | | | | | | | | | | |
| 面积（%） | | | | | | | ≤20% | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | |
| 气密性能 | | 外窗分级 | | | | | | | 不低于4级 | | | | | | | | | | － | | | | | | | | | | | | | | | | | |
| 透明幕墙分级 | | | | | | | 不低于3级 | | | | | | | | | | － | | | | | | | | | | | | | | | | | |
| 其余部位  说明 | | 外门 | | | | | | | 门斗 □ 旋转 □ 中空 □ 其它 □ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 外墙、屋面热桥部位技术措施 | | | | | | | 外墙 ：有 □ 无 □ | | | | | | | | | | | | | | | | | | 屋面： 有 □ 无 □ | | | | | | | | | |
| 中庭夏季通风、排风 | | | | | | | 机械 □ 自然 □ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 透明幕墙通风形式 | | | | | | | 可开启部分 ：有 □ 无 □ | | | | | | | | | | | | | | | 通风换气装置： 有 □ 无 □ | | | | | | | | | | | | |
| **外窗（包括透明幕墙）** | **朝向** | | **实际窗墙面积比**  **（计算值）** | | | | **实际传热系数**  **（计算值）** | | | **遮阳系数**  **（计算值）** | | | | | | **可开启面积**  **（计算值）** | | | | | | **可见光透射比**  **（计算值）** | | | | | | | **遮阳形式** | | | | | | | | |
| 东 | | 0.13 | | | | 1.70 | | | 0.38 | | | | | | 46.39 | | | | | | 0.80 | | | | | | | 水平遮阳（构件）□ 垂直遮阳（构件）□ 外窗自遮阳□ | | | | | | | | |
| 南 | | 0.30 | | | | 1.70 | | | 0.38 | | | | | | 166.18 | | | | | | 0.80 | | | | | | | 水平遮阳（构件）□ 垂直遮阳（构件）□ 外窗自遮阳□ | | | | | | | | |
| 西 | | 0.08 | | | | 1.70 | | | 0.38 | | | | | | 27.93 | | | | | | 0.80 | | | | | | | 水平遮阳（构件）□ 垂直遮阳（构件）□ 外窗自遮阳□ | | | | | | | | |
| 北 | | 0.32 | | | | 1.70 | | | 0.38 | | | | | | 182.30 | | | | | | 0.80 | | | | | | | 水平遮阳（构件）□ 垂直遮阳（构件）□ 外窗自遮阳□ | | | | | | | | |
| **围护结构热工性能**  **权衡判断** | | | | | | | **参照建筑物的采暖和空气调节能耗（**kWh/m2**）** | | | | | | | | | | | | | | | | | | | | | | 0.00 | | | | | | | | |
| **设计建筑物的采暖和空气调节能耗（**kWh/m2**）** | | | | | | | | | | | | | | | | | | | | | | 0.00 | | | | | | | | |
| **主要节能措施** | **外墙** | | | | | 保温型式 | | 外保温 □ 内保温 □ 自保温 □ 其它□ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 保温材料  种类 | | 矿（岩）棉或玻璃棉板 | | | | 选用厚度(mm) | | | | | | 65 | | | | 水平厚度  面积（m2） | | | | |  | | | | | 外墙颜色 | | | | 深色□  浅色□ | | |
| **屋面** | | | | | 保温材料  种类 | | 挤塑聚苯板 | | | | | | | | | | | | | | | | | | | | | | | | 选用厚度(mm) | | | | — | | |
| **外窗** | | | | | 设计选型 | |  | | | | | | | | | | | | | | | | 设计K | | | |  | | | | | 设计SC | | | |  | |
| 窗框型材 | | 塑料 □ 金属材料 □ 断热金属材料 □ 塑钢□ 其它 □ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 窗玻璃材料 | | 中空 □ low-E□ | | | | | | | | 中空空气层（mm） | | | | | | | | | 6A □ 9A □ 12A□ 15A □ ＞20A □ | | | | | | | | | | | | | |
| **架空或外挑楼板** | | | | | 保温材料种类 | |  | | | | | | | | | | | | | | | | | | | | | | | 选用厚度(mm) | | | | | | |  |
| **新型墙材**  **选用** | **外墙材料** | | | | |  | | | | | | | | **内墙材料** | | | | | | | | | | | | | | | | |  | | | | | | | |
| **（★）新型墙材比例（%）** | | | | |  | | | | | | | | **（★）新型墙材实际使用面积（m2）** | | | | | | | | | | | | | | | | | － | | | | | | | |
| **结论** | **屋面** | **外墙** | **架空**  **或外挑楼板** | | | **地面** | **地下室**  **外墙** | | **屋顶透明部分** | | | | | | **外窗** | | | | | | | | | | | | | | | | | | | **气密性能** | | | | |
| **传热**  **系数** | **遮阳**  **系数** | | | **面积**  **百分比** | | **窗墙比** | | | | **传热系数** | | | | **遮阳**  **系数** | | | **可见光**  **透射** | | | | **开启**  **面积** | | | | **外窗** | **透明**  **幕墙** | | | |
| **是否符合标准** | 是□  否□ | 是□  否□ | 是□  否□ | | | 是□  否□ | 是□  否□ | | 是□  否□ | 是□  否□ | | | 是□  否□ | | 是□  否□ | | | | 是□  否□ | | | | 是□  否□ | | | 是□  否□ | | | | 是□  否□ | | | | 是□  否□ | 是□  否□ | | | |

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| **暖通设备选用** | **三、用能设备技术措施基本情况** | | | | | | | | | | | | | | | | |
| **冷**  **热**  **源**  **设**  **备** | **锅炉设备** | | **热源类型** | | | | **燃料品种** | | | | **单台额定制热量（kW）** | | **台数（个）** | | **热效率(%)** | |
| 锅炉 □  电热水器 □  其它□ | | | | 燃煤 □  燃油 □  其它 □ | | | |  | |  | |  | |
| 锅炉 □  电热水器 □  其它 □ | | | | 燃煤 □  燃油 □  其它 □ | | | |  | |  | |  | |
| 锅炉 □  电热水器 □  其它 □ | | | | 燃煤 □  燃油 □  其它 □ | | | |  | |  | |  | |
| **冷水（热泵）机组** | | **机组类型** | | | | **台数（个）** | | | | **单台额定制冷量（kW）** | | **制冷性能系数COP (W/W)** | | | |
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| **单元式**  **空气调节**  **机组** | | **机组类型** | | | | | | | | **能效比（W/W）** | | | | | |
| 风冷式 □ 水冷式 □ | | | 接风管 □ 不接风管 □ | | | | |  | | | | | |
| 风冷式 □ 水冷式 □ | | | 接风管 □ 不接风管 □ | | | | |  | | | | | |
| 风冷式 □ 水冷式 □ | | | 接风管 □ 不接风管 □ | | | | |  | | | | | |
| **溴化锂**  **吸收式**  **机组** | | **机组类型** | | **台数（个）** | | | | **性能参数** | | | | | | | |
| **单位制冷量蒸汽耗量[kg/(kW.h)]** | | | **制冷性能系数（W/W）** | | **供热性能系数（W/W）** | | |
| 蒸汽双效 □  直燃 □ | |  | | | |  | | |  | |  | | |
| 蒸汽双效 □  直燃 □ | |  | | | |  | | |  | |  | | |
| 蒸汽双效 □  直燃 □ | |  | | | |  | | |  | |  | | |
| **通风空调**  **系统** | | | 空气调节冷热水系统最大输送能效比 | | | | | | | | |  | | | | |
| 空气调节风管绝热层最小热阻（m2 K/W） | | | | | | | | |  | | | | |
| **结论** | **冷、热源**  **设备** | | **风机的**  **单位风量耗**  **功率** | | **冷热水系统的**  **最大输送能效比** | | | | **风管绝热层**  **最小热阻** | | **冷热水管道**  **绝热** | | **照明功率**  **密度值** | **空调自动**  **控制系统** | | | **能源计量设计** |
| **是否符合标准** | 是□  否□ | | 是□  否□ | | 是□  否□ | | | | 是□  否□ | | 是□  否□ | | 是□  否□ | 是□  否□ | | | 是□  否□ |
| **施工图节能设计**  **审查意见** | | |  | | | | | | | | | | | | | | |

续表

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| **二、公共建筑节能技术措施实施基本情况** | |
| 施工单位自评意见 | 工程施工单位（章）  年 月 日 |
| **设计单位验收意见** | 工程设计单位（章）  年 月 日 |
| 施工过程使用新型墙体材料及建筑节能产品核查意见 | 工程监理单位（章）  年 月 日 |
| 建设单位意见 | 工程建设单位（章）  年 月 日 |
| **质量监督机构节能专项监督意见** | 质量监督机构（章）  年 月 日 |

**注：1、打（★）部分在竣工验收前填写；2、此表一式六份，建设、设计、监理、图审、质量监督单位各一份，另一份随《施工图设计文件审查报告》一并报建设行政主管部门备案。**