

APPENDIX E

Fenestration Analysis

January 21 Fenestration Analysis

Solar Radiation = Qsol = SHGC(A)(Et)

Conduction = Qcond = UA(DT)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (btu). Rows include hourly data from 0:00 to 23:00 and an Averages row at the bottom.

February 21 Fenestration Analysis

Solar Radiation = Qsol = SHGC(A)(Et)

Conduction = Qcond = UA(DT)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (btu). Rows include hourly data from 0:00 to 23:00 and an Averages row at the bottom.

March 21 Fenestration Analysis

Solar Radiation = Qsol = SHGC(A)(Et)

Conduction = Qcond = UA(DT)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (btu). Rows include hourly data from 0:00 to 23:00 and an Averages row at the bottom.

April 21 Fenestration Analysis

Table with columns for Time, Temperature (F), Conduction = Q_cond = UA(DT), Solar Radiation = Q_sol = SHGC(A)(E_t), Total Solar Radiation (Btu), Total Energy Transfer (Btu), and Savings (btu). Rows include hourly data from 0:00 to 23:00 and a Totals row.

May 21 Fenestration Analysis

Table with columns for Time, Temperature (F), Conduction = Q_cond = UA(DT), Solar Radiation = Q_sol = SHGC(A)(E_t), Total Solar Radiation (Btu), Total Energy Transfer (Btu), and Savings (btu). Rows include hourly data from 0:00 to 23:00 and a Totals row.

June 21 Fenestration Analysis

Table with columns for Time, Temperature (F), Conduction = Q_cond = UA(DT), Solar Radiation = Q_sol = SHGC(A)(E_t), Total Solar Radiation (Btu), Total Energy Transfer (Btu), and Savings (btu). Rows include hourly data from 0:00 to 23:00 and a Totals row.

July 21 Fenestration Analysis

Solar Radiation = Q_solar = SHGC(A)(E_s)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Total Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (btu). Includes sub-headers for Conduction = Q_cond = UA(ΔT) and Solar Radiation = Q_solar = SHGC(A)(E_s).

August 21 Fenestration Analysis

Solar Radiation = Q_solar = SHGC(A)(E_s)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Total Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (btu). Includes sub-headers for Conduction = Q_cond = UA(ΔT) and Solar Radiation = Q_solar = SHGC(A)(E_s).

September 21 Fenestration Analysis

Solar Radiation = Q_solar = SHGC(A)(E_s)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Total Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (btu). Includes sub-headers for Conduction = Q_cond = UA(ΔT) and Solar Radiation = Q_solar = SHGC(A)(E_s).

October 21 Fenestration Analysis

Conduction = Q_cond = UA(ΔT)
Solar Radiation = Q_solar = SHGC(A)(E_s)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Total Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (Btu). Rows include hourly data from 0:00 to 23:00 and an Averages row. Labels 'HEATING LOAD' and 'COOLING LOAD' are present on the right side.

November 21 Fenestration Analysis

Conduction = Q_cond = UA(ΔT)
Solar Radiation = Q_solar = SHGC(A)(E_s)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Total Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (Btu). Rows include hourly data from 0:00 to 23:00 and an Averages row. Labels 'HEATING LOAD' and 'COOLING LOAD' are present on the right side.

December 21 Fenestration Analysis

Conduction = Q_cond = UA(ΔT)
Solar Radiation = Q_solar = SHGC(A)(E_s)

Table with columns: Time, Temperature (F), Total Conduction (Btu), Total Solar Radiation (Btu), Total Energy Transfer (Btu), Savings (Btu). Rows include hourly data from 0:00 to 23:00 and an Averages row. Labels 'HEATING LOAD' and 'COOLING LOAD' are present on the right side.