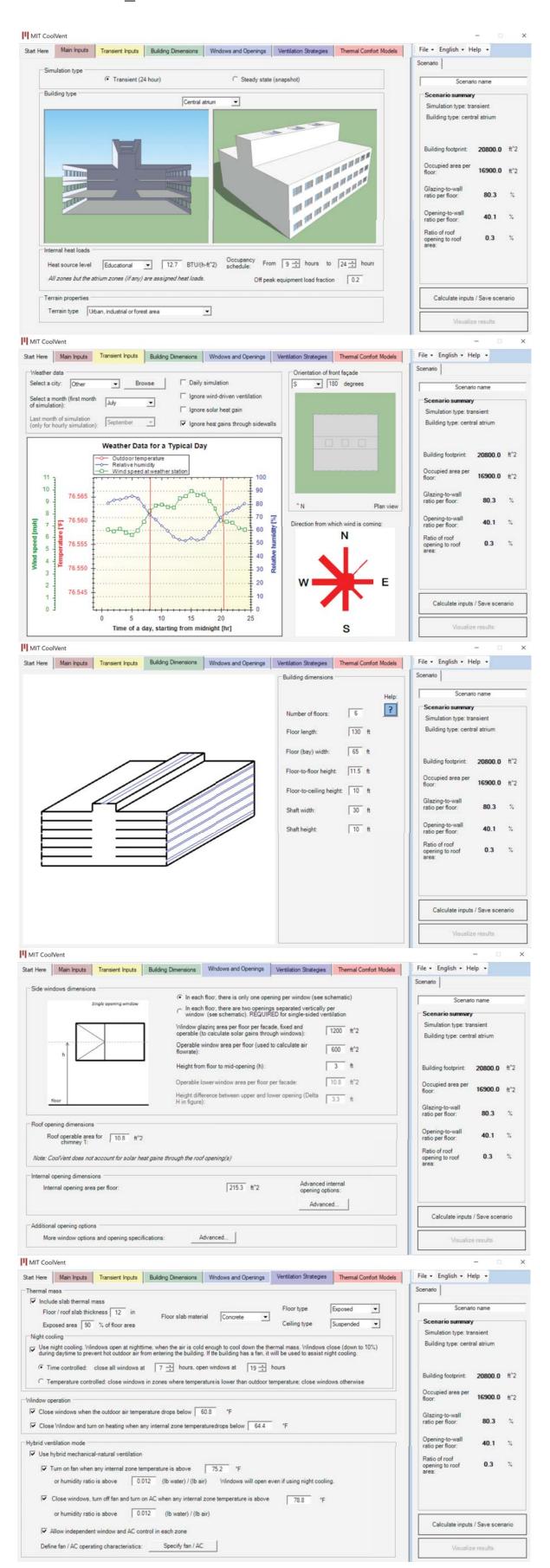
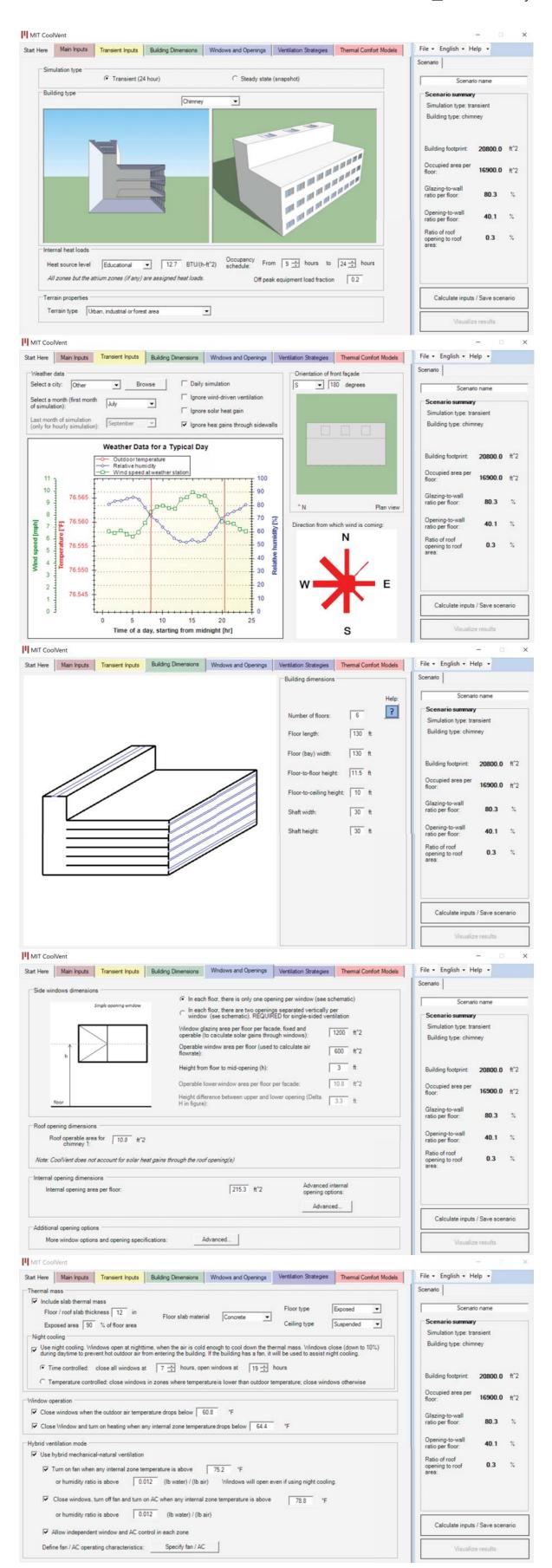
DESIGN 01 _ Central Atrium

DESIGN 02 _ Chimney







DESIGN 01 _ Central Atrium

CoolVent Thermal Comfort Results CoolVent Thermal Comfort Results USA_PA_Philadelphia.Intl.AP.724080_TMY3 2010 ASHRAE Standard 55 Thermal Comfort Model Temperature Pie Charts 13 The pie charts represent temperature concerns for comfort in non-atrium zones of the building. 31.7% hot 0% cold 0% cold 19 12 68.3% comfort 68.3% comfort of total number of occupied hours of total number of Red represents the percent of total occiped hours occupied hours that a given zone is too hot. Blue represents the percent of total occiped hours 31.7% hot 31.7% hot 0% cold 0% cold 18 11 that a given 68.3% comfort 68.3% comfort of total number of occupied hours of total number of Humidity concerns are not addressed in the pie occupied hours 31.7% hot 31.7% hot 0% cold 0% cold 10 68.3% comfort 68.3% comfort of total number of of total number of occupied hours occupied hours 31.7% hot 31.7% hot 0% cold 0% cold 16 68.3% comfort 68.3% comfort of total number of of total number of occupied hours occupied hours 31.7% hot 31.7% hot 0% cold 0% cold 15 68.3% comfort 68.3% comfort of total number of of total number of occupied hours 31.7% hot 31.7% hot 0% cold 0% cold 14 68.3% comfort 68.3% comfort of total number of of total number of occupied hours occupied hours

DESIGN 02 _ Chimney

