Starion Financial – Sustainability Features

1651 John Q Hammons Drive, Middleton

▪ Building orientation has been designed to maximize day lighting & minimize late day heat gain (sunscreens) while maintaining the desired look of the building. Drive up canopy also screens heat gain on south side of building.

▪ Building foot print has been kept narrow to allow day light to penetrate further into the building reducing electrical lighting needs.

▪ Building shell has been designed to exceed code required minimum insulation values.

▪ Windows incorporated thermally broken frames & low-E coatings on the glass. Glass coatings are adjusted on an elevation by elevation basis for best utilization of natural light, while controlling Solar Gain.

▪ Use of a white TPO roof reduces heat gain in the summer, thus reducing cooling energy costs.

▪ Native Grasses and Landscape were incorporated to reduce the need for irrigation while blending with the natural surroundings of Esser Pond.

▪ Landscaping was placed close to the building to shade summer sun and reduce heat gain.

▪ Occupancy Sensor Controls reduce energy usage when rooms not occupied.

▪ Daylight controls to prevent some lights from being turned on if sufficient daylight is available.

▪ High Performance lighting system reduces power consumption.

▪ Waterless urinals reduce water consumption & waste into sanitary system.

▪ Dual flush toilets allow lower water use for disposal of liquid waste.

▪ 0.5 gpm aerators on the lavatory faucets reduce water flow while maintaining pressure.

▪ Auto sensors on faucets use less water.

▪ Drinking fountains reduce energy consumption by not cooling water.

▪ Geothermal heating and cooling with Heat Pumps take advantage of wells on site to pull heating/cooling energy from the earth in efforts to reduce energy consumption.

▪ High efficiency HVAC equipment specified to exceed ASHRAE90.1- 2004.