



## **Sustainable Initiatives for the Salisbury Customer Service Center & Fiber to the Home Building**

### **Sustainable Site Initiatives:**

Construction Activity Pollution Prevention through an approved Erosion Control Plan which includes the new technology provided by Crystal Stream with an underground storm water collection system that filters all storm runoff before it enters the City of Salisbury storm water grates

Site selection and Community Connectivity to connect to at least 10 community activity nodes.

Provisions for alternative transportation have been made by creating a new Bus Stop within a block of the new facility.

Preferred parking for Low-emitting and Fuel Efficient vehicles

At least 30% vegetation provided on site with grass and landscaping.

Paving material in over 50% of the site paving that has an SRI (Solar Reflective Index) of at least 29.

Water efficient landscaping used to reduce or eliminate the need for irrigation.

### **Sustainable Building Initiatives:**

All brick used on the building is made from 100% recycled content and is produced in a local manufacturing facility.

The concrete masonry Accent pieces on the building are made from recycled content and are also produced in a local manufacturing facility.

The structural steel is made from recycled steel from car parts and other reclaimed steel.

The roof covering that has an SRI of 78 which reduces the onsite heat island effect by reflecting the sun rays and reducing the amount of heat absorption on site.

Water use reduction through use of fixtures, water closets, urinals and lavatory, showers and kitchen sinks that have a 20% reduction of water use.

The building has Optimized Energy Performance with Water Source Heat Pumps which use the heat gain from the Head End Room to heat the rest of the office building.

An under slab heating system for the shop and warehouse, using the water source heat pump system provides an overall savings of energy use of a minimum of 25%-35% of a conventional system.

Enhanced green refrigerants with the use of 407 and 410 refrigerants in the mechanical equipment reduces the possibility of site contamination.

Solar panels provide all domestic hot water for the entire complex.

Storage and Collection of Recyclables are provided with a Recycling Center in the building and a recycling area for shop operations.

All furniture and fabrics are designed to meet criteria and guidelines for sustainability.

The total facility is designed to meet Essential Building Facility criteria in case of natural disaster.

### **Sustainable Initiatives for the Construction Process:**

Construction Waste Management system to divert at least 75% disposal of construction waste from the landfill is being implemented during construction.

All trees removed from the site were salvaged for reuse by a local wood manufacturer and all limbs, etc were shredded for mulch used on the project and the remaining donated to the Parks and Recreation for a nearby park.

All materials used for the project are extracted, harvested and recovered as well as manufactured within 500 miles of the site.

This Building is totally designated as a Smoke Free facility. Any area that is designated as a Smoking area will be at least 25 feet away from the building.

### **Sustainable Building Initiatives for Indoor Air Quality and Energy Efficiency:**

All building materials are Low emitting VOC's for adhesives, sealants, paints and coatings.

All carpets meet the Carpet and Rug Institute's Green Label Plus program.

All Composite wood and Agrifiber Products use no urea-formaldehyde resins.

All office spaces have views and day lighting and provide individual lighting controls for 90% of building occupants.

All flooring materials are made of materials for ease of maintenance and long life cycles.

Heating and Air Systems are controlled by area, occupancy use and energy efficiency.

All Lighting Systems are controlled by area, occupancy use and energy efficiency.

**Building Innovation for Green Advocacy to the Public:**

KKA Architecture is proposing that the City of Salisbury's Access 16 produce short video clips during the construction process to provide education to the public about the materials, systems and technologies used in this building and that could continue to run on video screens mounted in the building after the building is complete.

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