

# LaFontaine Chevrolet

Aspiring to become one of the first LEED Silver Certified Chevrolet Dealerships in the Country!

**COMING SOON!!**



*Our facility will earn LEED certification by meeting standards established within each of these six key areas of human and environmental health!*

- SUSTAINABLE SITE DEVELOPMENT
  - WATER EFFICIENCY
  - ENERGY & ATMOSPHERE
  - MATERIALS & RESOURCES
- INDOOR ENVIRONMENTAL QUALITY
  - INNOVATION & DESIGN

## **The LaFontaine family & GREEN DEALERSHIPS**

LaFontaine believes in the simple practice of designing facilities to be more sustainable and to blend more seamlessly into the natural and human environment. Our Green buildings incorporate features that reduce impacts to the environment through energy efficiency improvements, on-site renewable energy generation, storm water management and the use of recycled and re-used construction materials. Green buildings are more ecologically benign facilities that provide a healthier and more productive environment for employees and customers.

### **\*CONSTRUCTION IAQ MANAGEMENT**

-Indoor Environmental Quality during construction is being managed through use of MERV 8 Filtration Media as well as the protection of stored, onsite or installed absorptive materials from moisture damage.

### **\*IAQ MANAGEMENT BEFORE OCCUPANCY**

-HVAC system will be flushed completely before occupancy to remove any possible contaminants.

### **\*CONSTRUCTION ACTIVITY POLLUTION**

-Pollution from construction activities is being reduced by controlling soil erosion, waterway sedimentation and airborne dust generation.

### **\*CONSTRUCTION WASTE MANAGEMENT**

- Recycling and/or salvaging of non-hazardous construction and demolition debris. Our goal is to maintain a minimum of 75% from disposal in landfills and incinerators.

## **SUSTAINABLE SITE DEVELOPMENT**

### **\*ROOF WILL HAVE A SOLAR REFLECTANCE INDEX (SRI) VALUE GREATER THAN 78**

-Benefits of cool roofs include reduced building heat-gain and savings on summertime air conditioning expenditures. By minimizing energy use; cool roofs do more than save money – they reduce the demand for electric power and resulting air pollution and greenhouse gas emissions.

### **\*LIGHT POLLUTION REDUCTION**

- Full cutoff site lighting fixtures will be used to reduce light pollution and light trespass will be minimized from both the building and the site. (Foot candles will be less than .01 at 15 feet beyond the site)

-Full cutoff fixtures ensure that light is only directed below the horizontal, which means less light is wasted through directing it outwards and upwards.



### **\*STORM WATER DESIGN—QUALITY & QUANTITY CONTROL**

-Storm-water is pre-treated with a bioswale and a forebay retention pond prior to discharge from the site.

### **\*ALTERNATIVE TRANSPORTATION**

- A sustainable environment can be promoted through the encouragement of alternative forms of transportation, which this site will do by providing:

- \*Preferred Parking for carpool and low-emitting, fuel-efficient vehicles
- \*Bicycle storage & changing room

## **WATER EFFICIENCY**

### **\*WATER EFFICIENT PLUMBING FIXTURES**

- Low Flow toilets & urinals will be used and water efficient plumbing fixtures in all showers, lavatory faucets and kitchen sinks.

### **\*LANDSCAPING & IRRIGATION**

- Landscaping will be completed with native indigenous species acclimated to this region; therefore reducing irrigation requirements. All water for the irrigation system will come from the forebay retention pond. No potable water will be used.

### **\*CAR WASH**

- The carwash system will recycle 85% of the water normally wasted in a conventional carwash.

## ***ENERGY & ATMOSPHERE***

\* All HVAC equipment will be 90+ efficiency units. The building will utilize an energy management system for efficient operation. We are going to use energy efficient light fixtures and R-40 insulation on the roof.

## ***MATERIALS & RESOURCES***

### **\*GREEN MASONRY**

- All of the masonry used in this project will have 40% recycled content with a mortar mix that will have a fly ash mixture not to exceed 30%

### **\*STEEL**

-Steel bar joists are to be made of 90% recycled steel and made locally

### **\*EIFS WALL COVERING**

-Exterior Insulated Finish System (EIFS) has been specified for the building that is made of a recycled synthetic material. The material has low VOC's and improves building insulation and life cycles costs.

### **\*RECYCLED AGGREGATE**

- We have also pulverized the existing asphalt for use as the sub-base aggregate under new pavement.

### **\*REGIONAL MATERIALS & RECYCLED CONTENT**

- Appropriate materials are being used and re-used in the design and construction of the new facility. Use of recycled content supplied by firms within a 500 mile radius also promotes the local economy.

### **\*CERTIFIED WOOD**

-To encourage environmentally responsible forest management, a minimum of 50% wood-based materials used will be certified in accordance with the Forest Stewardship Council's (FSC) Principles and Criteria for wood building components.

### **\*STORAGE & COLLECTION OF RECYCLABLES**

-The facility is being designed with onsite area dedicated to the collection and storage of non-hazardous materials for recycling, including paper, corrugated cardboard, glass, plastics and metals.

-This program alone will greatly reduce the waste generated by building occupants that is hauled to and disposed of in

## ***INDOOR ENVIRONMENTAL QUALITY***

### **\*VENTILATION**

-The naturally ventilated building will meet minimum IAQ (indoor air quality) performance and outdoor air ventilation will be increased greater than 30% above the minimum rates required.

### **\*NATURAL LIGHTING & LINE OF SIGHT**

-The facility will have 29 skylights and solar tubes to provide natural daylight for over 75% of the occupants.

-The building glazing system as designed, along with full glass overhead doors, will provide line of sight for 90% of the building occupants.

### **\*SERVICE DEPARTMENT HYDRAULIC LIFTS**

-The Service Department Hydraulic Lifts will utilize vegetable oil based fluids rather than caustic ones.

### **\*LOW-EMITTING MATERIALS**

-Low-emitting materials are being used to reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

(Adhesives / Sealants / Paints / Carpet Systems / Composite Wood and Agrifibers)

### **\*THERMAL COMFORT DESIGN & VERIFICATION**

-The HVAC Central Control System will provide a comfortable thermal environment that supports the productivity and well-being of building occupants.

### **\*ADDITIONAL IEQ INTEGRATIONS**

-Environmental Tobacco Smoke (ETS) Control will minimize exposure of building occupants, indoor surfaces, and ventilation air distribution systems to Environmental Tobacco Smoke (ETS).

-Carbon Dioxide Detectors

-Indoor Air Monitoring

-Individual controllability of lighting systems to promote the productivity, comfort and well-being of building occupants.

## ***INNOVATION & DESIGN***

### **\*LEED ACCREDITED PROFESSIONAL**

- At least one principal participant of the project team is a LEED Accredited Professional in order to support and encourage the design integration required by a LEED for New Construction green building project and to streamline the application and certification process.



- LaFontaine Chevrolet will be dedicating an area in the new facility continued education regarding LEED design and details, as well as local and global environmental information.



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