



# Industrial Facilities

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## **Sioux Chief Manufacturing and Warehouse Facilities (Chieftain Co.) Peculiar, MO (2003)**

Fire Protection Services:  
Master Plan, water supply improvement and installation of fire sprinklers throughout the manufacturing /warehouse campus.



## **Sanofi-aventis Pharmaceutical Plant Kansas City, MO**

MEP design services:

- Steam generator tied to existing system
- New 5600-ton chilled water plant located in Building 'C' to accommodate Buildings "C" and "D".

MEP and FP design services :

- Utility separation of Buildings "A" thru "F", "H", and "J" thru "M" in order for the utilities to be metered and billed as three (3) separate parcels.

## **Goodyear Tire & Rubber Co (2004-2009) Topeka, KS**

Fire Protection design services:

- 3,000,000 sq. ft. production facility / distribution warehouse and warehouse offices built in 1944. With 69 acres under a single roof, the Kansas operation is the world's largest plant that manufactures large, off-road tires.
- Services included master planning, hydraulic analysis of underground fire mains, fire pump testing and inspections of new system conversion from standard spray sprinkler system to an Early Suppression Fast Response (ESFR) sprinkler system for the tire storage warehouse. Fire Alarm system.

## **Karatzis (2009) Kingman, KS**

FP design services for the 61,200 sq. ft. manufacturing/warehouse. Services included:

- Code review to establish sprinkler system design criteria.
- Sprinkler system design calculations for contractor.

## **Pfizer Lee's Summit, MO**

Fire Protection services:

- Fire sprinkler master plan
- Underground water supply investigation and master plan.
- Design of underground fire protection

## **Fujifilm Sericol Warehouse (2007) North Kansas City, MO**

Fire Protection design services for *FUJIFILM Sericol*, the global leader in inks for the inkjet, screen, and narrow web print markets.



*"Hasu and his team did an outstanding job on a challenging project resulting in a State-of-the-Art H3 warehouse completed on time and on budget for Fujifilm. Working with international fire codes, FSC utilized existing city water pressure, met the building codes, avoided costly booster pumps and worked closely with city officials to obtain approval on some innovative methods of insuring safety. The savings in competitive bids more than paid for their professional services"*

-- John Beaudoin, Fujifilm Sericol Project Manager

**ACE Electric Facility - Energy Assessment  
Columbus, KS**

MEPF systems assessment of:

- 165,000 sq. ft. building. The facility consists of a single-story metal building with an attached office structure.
- FSC provided a summary report of findings during the site survey and recommendations for improving energy efficiency.

**Industrial Fumigant Company  
Olathe, KS**

Fire Protection services:

- Analysis and evaluation of warehouse storing hazardous materials



**Durvet Warehouse &  
Building Addition  
Blue Springs, MO**

Fire Protection services:

- Investigative and reporting services for an existing flammable warehouse and addition.

**American Union Electric  
St. Louis, MO**

Fire protection services for Century Fire Sprinklers.

**Orion Enterprises (2009)  
Kansas City, KS**

Fire protection services including:

- troubleshooting code and installation deficiencies in existing ESFR sprinkler systems for three manufacturing buildings totaling 124,000 sq. ft.
- Dry pipe system for new oven installation for fittings manufacturing process in one building.
- New non-ESFR system for combustible concealed space in new laboratory/office conversion.

**Delphi Manufacturing Plants  
Athens, AL**

MEP design for new decentralized, high efficiency steam boiler plants to serve 4 manufacturing plants producing electronic parts for the automotive industry as part of an energy reduction program.

**Delphi Manufacturing Plant  
Delnosa, Mexico**

MEP design of new central chiller plant to reduce energy usage for a Delphi electronics automotive parts manufacturing plant in Mexico.

**Kansas City Water Treatment Plants  
Kansas City, MO**

Ventilation, lighting and electrical upgrades for two water treatment plants in north Kansas City.

**Lake City Army Ammunition Plant  
Independence, MO**

MEP services for largest small arms manufacturing plant in the world on 3,935 acre campus with 458 buildings.

- Value Engineering Study for the Production Area Temperature and Humidity Control.
- Multiple design-build projects for steam generation and building ventilation.

Warehouse / Distribution Centers

**Toys R Us Distribution Center  
Frederick, MD**

Fire Protection services:

- 630,000 sq. ft Distribution Center with Roof +
- In-Rack, Sorters & Conveyors, Sprinklers + Pump & Tank.
- No ESFR system

**Toys R Us  
Distribution Center  
Youngstown, OH**

Fire Protection services:

- 433,000 sq. ft. distribution Center
- Roof + In-Rack, Sorters & Conveyors
- Sprinklers + Pump & Tank
- No ESFR System



**Coleman Warehouse  
Wichita, KS**

Fire Protection services for ESFR Sprinkler system.

**United Warehouse  
Tulsa, OK**

Fire Protection services:

- 336,000 sq. ft warehouse
- Early Suppression Fast Response (ESFR) System
- Fire Pump.



**United Warehouse Addition (2005)  
Wichita, KS**

Fire Protection services:

- 112,000 sq. ft. Warehouse Addition
- Early Suppression Fast Response (ESFR) System.



**Gunz Plastics &  
Engineering Corporation Warehouse (2003)  
Olathe, KS**

Fire Protection services for a plastics, paper, fabrics and film packaging production warehouse including:

- 53,000 sq. ft. warehouse
- Early Suppression Fast Response (ESFR) System.

**Hospira South Warehouse Addition (2006)  
McPherson, KS**

Fire Protection services:

- 25,000 sq. ft warehouse addition with Early Suppression Fast Response (ESFR) System.

**CNH America Warehouse / Receiving Facility (2007)  
Wichita, KS**

Fire protection services:

- 112,000 sq. ft. warehouse
- Early Suppression Fast Response (ESFR) sprinkler system.

**Hallmark Cards Distribution Center  
Liberty, MO**

Fire Protection design services including fire sprinkler system for Hallmark Cards Inc.'s massive 1.7 million sq. ft warehouse and distribution center for its greeting cards and other products. Fire sprinkler system for warehouse and distribution center.

**Newell Rubbermaid  
Warehouse and Distribution Center  
Wichita, KS**

Fire Protection services including a fire sprinkler system for warehouse and distribution center for a global marketer of consumer and commercial products including such well-known brands as Rubbermaid food storage, home organization and refuse container products.

**Tony's Pizza  
Warehouse & Distribution Center  
Salina, KS**

Fire Protection services:  
Fire sprinkler system for warehouse and distribution center.

**K-Mart Distribution Center  
Lawrence, KS**

Fire Protection services for Midwest warehouse and distribution center.

Warehouse / Distribution Facilities (Design-Build)  
MEPF Engineering Services

**McKesson - Santa Fe (2009)  
Santa Fe, CA**  
MEPF services for a Pharmaceutical Warehouse

**McKesson Healthcare (2007)  
Swedesboro, NJ**  
MEPF Services for a Warehouse

**McKesson - Stilwell (2006)  
Kansas City, MO**  
Fire Protection Services for a Pharmaceutical Warehouse

**McKesson - Chouteau (2006)  
Kansas City, MO**  
Fire Protection services for a Pharmaceutical Warehouse

**Quadrangle Development (2006)  
Kansas City, MO**  
MEPF services for a Design-Build Warehouse

**Westroads Distribution Center (2006)  
Lenexa, KS**  
MEPF services for a Warehouse/Distribution Center

International Manufacturing/ Warehouse/ Distribution Centres

**Danisco (2000-2004)  
United States, Mexico and Chile**

Fire Protection services for manufacturing facilities for bio-based ingredient solutions that meet market demand for healthier and more sustainable products including emulsifiers, gums, sweeteners, and cultures.



**Calmar Plastics Plant Expansion  
San Luis Potosi, Mexico**

MEP services for a plant expansion for plastic dispensing solutions and sprayers for the cosmetics, fragrance, home and garden, auto, personal care and pharmaceuticals industries.



**Calmar Plastics Plant  
Wuxi, China**

MEP design services for a new 467,046 square feet state-of-the-art facility near Shanghai in east-central China. The facility supplies a broad range of product packaging and packaging solutions – from pumps and sprayers to plastic and paper cartons - for the Calmar product portfolio.

**Delphi Delco Electronics de Mexico  
Delnosa, Mexico**

MEP engineering design of new central chiller plant to reduce energy usage for a Delphi electronics automotive parts manufacturing plant in Mexico.

Tank Farms

As a Registered Fire Protection Engineer, Hasu Doshi, P.E., has supervised design & hydraulic calculations and provided construction assistance for the following Tank Farm projects:

- **Phillips Refinery**  
Kansas City, KS
- **Bayer Corporation (ChemAgro)**  
Kansas City, MO
- **Vulcun Corporation, Penta Plant**  
Wichita, KS
- **Cargill Plant Expansion**  
Wichita, KS
- **Air Products (Abbott Labs)**  
Wichita, KS
- **ADM Milling**  
Fredonia, KS
- **Danisco**  
Mexico



Automotive /Manufacturing/Maintenance Facilities

**General Motors  
Fairfax Assembly Plant  
Kansas City, KS**

Fire sprinkler systems, hydraulic calculations, inspection, and review of existing systems, hydraulic calculations, inspection and review of existing systems for paint booths, air supply hoses and water main systems.

**ISD Bus Warehouse  
Independence, MO**

MEP services for a new ISD Bus facility.

**St Joseph Transit - Bus Barn  
St. Joseph, MO**

MEP services for a new bus maintenance /storage facility.

**Firestone Complete Auto Care  
Lenexa, KS**

MEP design services.

**CFI Trucking/Maintenance  
Facilities (Con-Way)  
Joplin, MO**

MEP services for trucking /maintenance facilities for CFI Trucking/Con-Way.



Automotive Facilities (Design-Build)  
MEPF Engineering Services

**Dave Cross Motors (2009)  
Lee's Summit, MO**

**Superior Bowen Asphalt (2009)  
Lee's Summit, MO**

**Superior Bowen Manchester (2008)  
Kansas City, MO**

Fire Protection Engineer - Expert Testimony:

**North Kansas City, MO vs. American Fire Sprinkler, et al  
(File No. 70444001)**

Ms. Diane S. Mills  
Law Offices of Donald B. Balfour  
P. O. Box 413167  
Kansas City, MO 64141-3167

**Lane Bryant, Inc. vs. Armor Fire, et al  
(File No. 102440039)**

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**Emerald Pointe Marina  
(File No. 3942-28973)**

Mr. Vincent F. O'Flaherty  
Neiwald, Waldeck & Brown  
Twelve Wyandotte Plaza  
120 W. 12<sup>th</sup> Street, Suite 1300  
Kansas City, MO 64105-1932

**Downtown Marriott Hotel  
(File No. 19769)**

Mr. David P. Madden  
Fisher, Patterson, Saylor & Smith, L.L.P.  
210 UMB Bank Building  
11050 Roe Avenue  
Overland Park, KS 6621

**Golden Plains Healthcare Center,  
Hutchinson, KS (1997)**

Mr. Fred Miles, Esq.  
Miles, McLaren & Peters, P.C.  
1430 Larimer Square, Suite 400  
Denver, CO 80202

**Marsh's Apple Market vs. M.D.  
Management Company (1997)  
(File No. 110-625)**

Mr. Michael A. Preston  
Yeretsky & Maker, L.L.C.  
City Center Square  
1100 Main Street, Suite 1810  
Kansas City, MO 64105