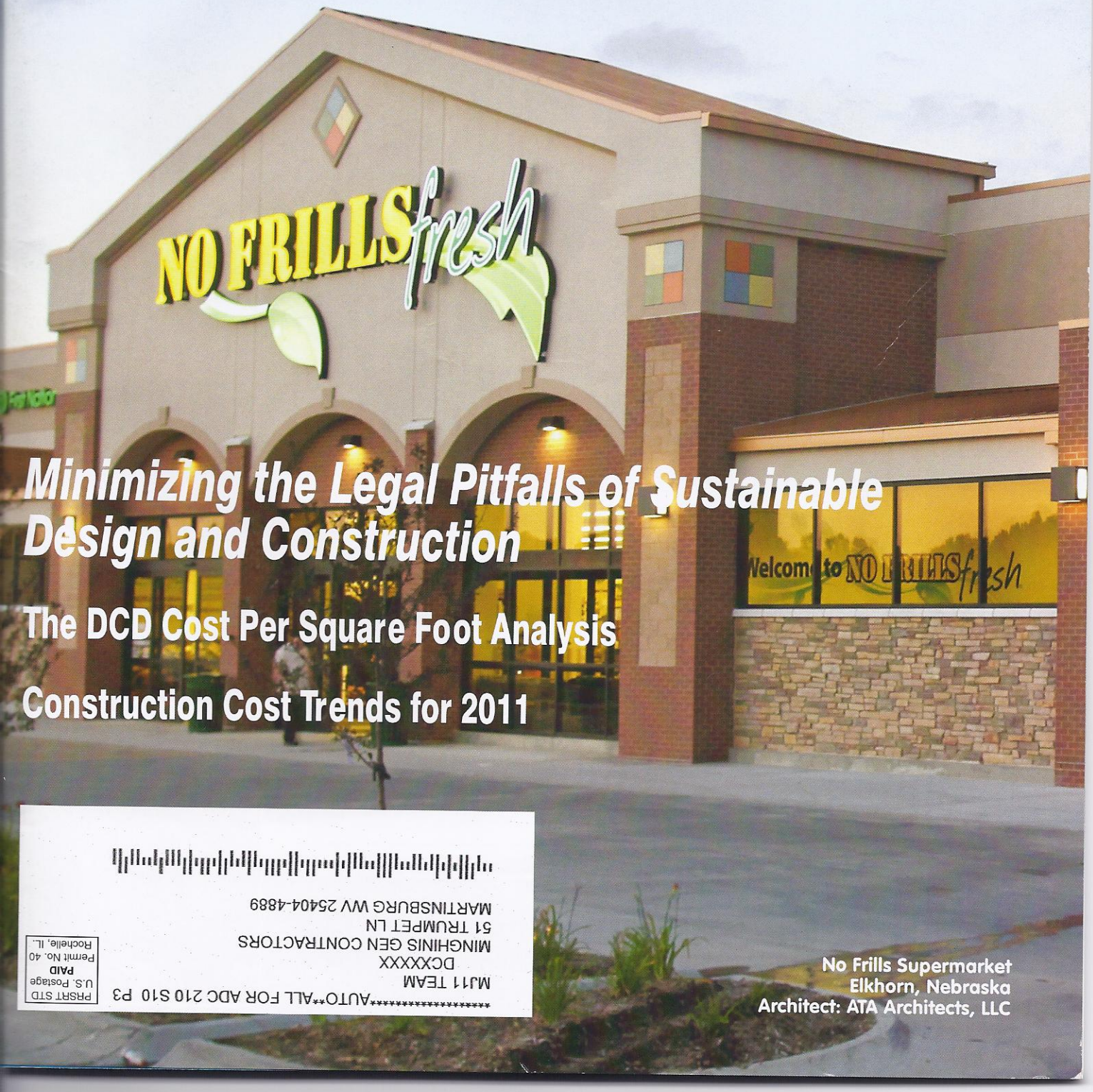
# DCD

Design Cost Data™

May-June 2011 $17.00

*The #1 Industry Source for Actual Square Foot Cost Data*




## *Minimizing the Legal Pitfalls of Sustainable Design and Construction*

## The DCD Cost Per Square Foot Analysis

## Construction Cost Trends for 2011

No Frills Supermarket
Elkhorn, Nebraska
Architect: ATA Architects, LLC

PRSRT STD
U.S. Postage
PAID
Permit No. 40
Rochelle, IL

**********AUTO**ALL FOR ADC 210 S10 P3
MJ11 TEAM
DCXXXXX
MINGHINIS GEN CONTRACTORS
51 TRUMPET LN
MARTINSBURG WV 25404-4889

# Jefferson County Emergency Ambulance Authority, New Operations Center

Ranson, West Virginia

## Architect

Alpha Associates, Inc.

The Jefferson County Emergency Services Authority was formed by the Jefferson County, West Virginia government in order to oversee fire and emergency medical services within the county. Prior to the construction of this facility, the Authority operated the ambulance services out of a sub-standard leased service station. As this area of West Virginia has become a bedroom community for the Washington, D.C. metropolis, the facility provides a modern and efficient operations center that has the capacity to support the population growth. Financing for the project was offered through the USDA Rural Development Community Facilities loan program.

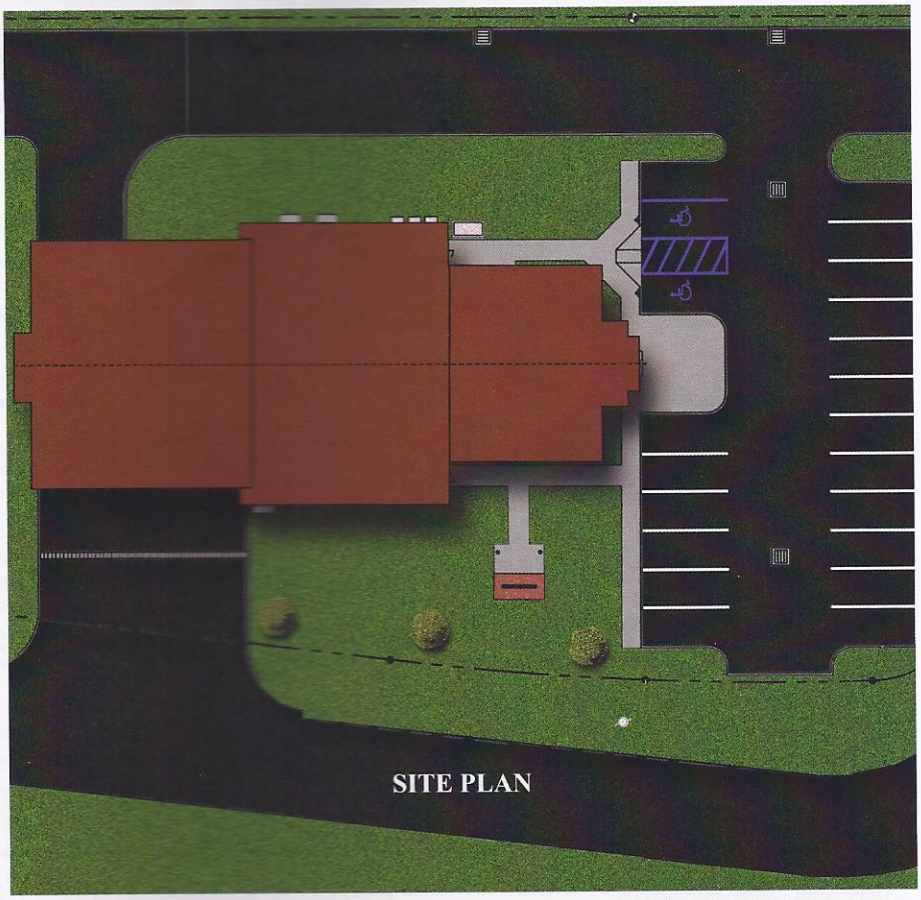
The facility is required to support the medical staff activities, staff and public training, and central office operations. A 3 bay, double-depth garage bay supports 6 standard-length vehicles with a carriage carbon monoxide exhaust system that connects directly to the exhaust pipes of the vehicles to carry away fumes. A medical supply storage room and laundry room are provided. A lounge/ kitchen area and bunk rooms provide on-call quarters for 24 hour staffing. A large classroom provides versatile space for continuing education seminars, first aid classes, as well as a public meeting room for the Authority. Offices, receptionist area, and conference room provides work space for the office staff.

### Product Information

*Fiber Cement Siding:* James Hardie
*Roofing:* CertainTeed
*Paint:* Sherwin Williams
*Base:* Johnsonite *Ceilings:* Armstrong
Flooring: Mohawk, Tarkett
*Windows:* Eagle Window & Door
*Entrances & Storefronts:* Kawneer



Photos Courtesy of Alpha Associates, Inc.



SITE PLAN

## Architect, Structural Engineer, Cost Estimator

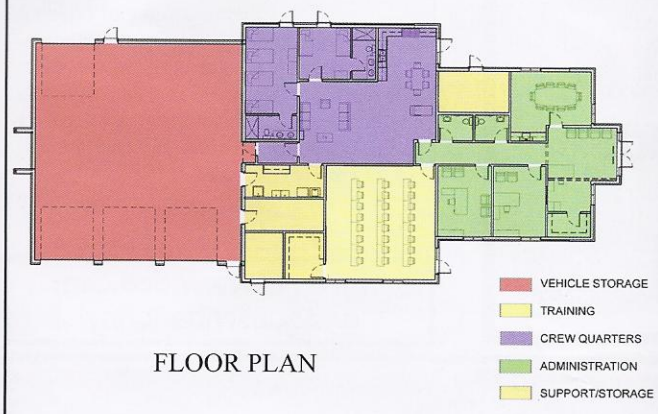
Alpha Associates, Incorporated
209 Prairie Avenue, Morgantown, WV 26501
www.alphaaec.com

## Construction Team

**General Contactor:**
Minghini's General Contractors, Inc.
51 Trumpet Lane, Martinsburg, WV 25404

**Mechanical & Electrical Engineer:**
Miller Engineering, Inc.
250 Scott Avenue, #3, Morgantown, WV 26508

**Civil Engineer:**
Alpha Associates, Incorporated
535 West King St., Martinsburg, WV 25401




FLOOR PLAN

## Project General Description

**Location:** Ranson, West Virginia
**Date Bid:** Mar 2009 **Construction Period:** Apr 2009 to Feb 2010
**Total Square Feet:** 6,300 **Site:** 1 acre.
**Number of Buildings:** One.
**Building Size:** Garage, 2,540; first floor, 4,260; total, 6,300 square feet.
**Building Height:** Garage, 28'4"; first floor, 25'4"; total, 28'4".
**Basic Construction Type:** New/Type IIB.
**Foundation:** Cast-in-place, slab-on-grade. **Exterior Walls:** Brick, fiber cement siding. **Roof:** Asphalt shingles. **Floors:** Concrete.
**Interior Walls:** Metal stud drywall.



| DIVISION | COST | % OF COST | SQ.FT. COST | SPECIFICATIONS |
|---|---|---|---|---|
| PROCUREMENT & CONTRACTING REQ. | 18,655 | 1.85 | 2.96 | Project forms, revisions, clarifications, & modifications. |
| GENERAL REQUIREMENTS | 68,293 | 6.77 | 10.84 | Administrative requirements. |
| CONCRETE | 56,100 | 5.57 | 8.90 | Cast-in-place (Concrete breakdown: cubic yards foundation, 37; cubic yards floors, 100). |
| MASONRY | 55,443 | 5.50 | 8.80 | Unit. |
| METALS | 168,704 | 16.74 | 26.78 | Structural metal framing, joists, cold formed metal framing. |
| THERMAL & MOISTURE PROTECTION | 70,690 | 7.01 | 11.22 | Dampproofing & waterproofing, thermal protection, weather barriers, steep slope roofing, roofing & siding panels, flashing & sheet metal. |
| OPENINGS | 130,650 | 12.96 | 20.74 | Doors & frames, specialty doors & frames, entrances, storefronts, & curtainwalls, windows, hardware. |
| FINISHES | 42,100 | 4.18 | 6.68 | Plaster & gypsum board, tiling, ceilings, flooring, painting & coating. |
| SPECIALTIES | 11,750 | 1.17 | 1.87 | Interior. |
| FURNISHINGS | 12,500 | 1.24 | 1.98 | Casework. |
| PLUMBING | 63,493 | 6.30 | 10.08 | Piping & pumps, fixtures. |
| HVAC | 112,812 | 11.19 | 17.91 | Piping & pumps, air distribution, central HVAC equipment. |
| ELECTRICAL | 145,000 | 14.38 | 23.02 | Low-voltage distribution, facility power generating & storing equipment, lighting. |
| POLLUTION CONTROL EQUIPMENT | 51,895 | 5.14 | 8.23 | Air pollution. |
| **TOTAL BUILDING COSTS** | **1,008,085** | **100%** | **$160.01** | |
| EARTHWORK | 130,000 | | | Earth moving. |
| EXTERIOR IMPROVEMENTS | 85,270 | | | Bases, bollards, & paving, improvements, planting. |
| **TOTAL** | **1,223,355** | | | (Excluding architectural and engineering fees) |

**UPDATED ESTIMATE TO JUNE 2011: $171.24 PER SQUARE FOOT**

## Regional Cost Trends

*This project, updated to June 2011 in the selected cities of the United States.*

| EASTERN U.S. | Sq.Ft. Cost | Total Cost | CENTRAL U.S. | Sq.Ft. Cost | Total Cost | WESTERN U.S. | Sq.Ft. Cost | Total Cost |
|---|---|---|---|---|---|---|---|---|
| Atlanta GA | $165.40 | $1,042,011 | Dallas TX | $165.40 | $1,042,011 | Los Angeles CA | $212.10 | $1,336,226 |
| Pittsburgh PA | $180.97 | $1,140,083 | Kansas City KS | $171.24 | $1,078,788 | Las Vegas NV | $192.64 | $1,213,636 |
| New York NY | $233.50 | $1,471,074 | Chicago IL | $208.21 | $1,311,708 | Seattle WA | $206.26 | $1,299,449 |

*For more information on this project and similar projects visit www.dcdarchives.com*