

Under Cover Professionals

Manitoba's **Diamond Shelters** has proven itself to be a gem among portable structures thanks to solid designs that deliver.

LaVern Dueck has got you covered. Dueck and his team operate **Diamond Shelters**, a company that has designed and fabricated fabric covered steel structures since 1989 from their facility in Whitemouth, Manitoba. Today, the company continues to offer a range of value laden building solutions that have made them industry leaders. From mining to agriculture to light manufacturing and virtually any other business or private concern that requires



Freestanding 24' x 54' Insulated Hobby Shop



Freestanding 32' x 42' Storage

a durable permanent or portable building solution, **Diamond Shelters** has either a stock design for your application or the skills to create a building to meet unique individual needs.

According to LaVern, **Diamond Shelters** is part of Dueck's Mechanical Inc., a family business that offers mechanical and welding services, dimensional steel, as well as parts and hardware sourcing. If you need hydraulic hoses or fittings, steel or welding supplies, his company can handle the order from stock or through one of his

numerous industry contacts.

Fired by an entrepreneurial zeal, Dueck got his start at age 20 when he opened a shop that offered farm machinery repair. "One thing led to another and we could see that our activities could be expanded," he says. They already had a reputation for reliability and offered a lot of skill sets that included top flight welding and design. He



Freestanding 38' x 72'

reports that it was with this type of high quality standard that they launched **Diamond Shelters**. The shelters come in dimensions 15-feet wide to 160-feet wide and utilize either welded truss supports or single hoop design. Lengths are determined by customer need.



Freestanding 38' x 120'
Timberframe Manufacturers

This culture of quality is everywhere at Dueck's several thousand-square foot manufacturing facility in rural Manitoba. From its base in Whitemouth, a centre located about an hour east of Winnipeg, the company uses the services of between 15 and 17 skilled workers who fabricate using a full range of



High Profile 70' x 108' Welded Truss Storage Facility with Attractive Red Siding on the sides and ends

equipment such as brakes and shears and a CNC plasma table for precision cuts. Today, certified welders are putting the finishing touches on some smaller orders as we walk across the shop floor. LaVern points out the attention to detail workers put into the job. Each weld is thoroughly reviewed for strength and smoothness and each piece of the shelter is a one-off item. Metal sections are built using a W47.1 welding standard to give customers the very best. This means there is no duct



High Profile 80' x 204' Ice Arena



Freestanding 120' x 132' Welded Truss Baseball Practice Academy

taping of welds to prevent polyethylene skin punctures. Every weld is as smooth as a baby's backside. Really, the finished product is the result of an artisan approach to manufacturing that is hand-crafted and tooled to each customer's unique specifications. And each building is also constructed to CAN/CSA-A660, a requirement for manufacturers of engineered structures under the National Building Code of Canada.

These shelters provide many advantages over more traditional metal building systems. Firstly, says Dueck, is the cost. A fabric-covered steel building is considerably less expensive because it uses less steel, a fact that means prices can be as much as half what one would pay for a standard metal-clad Quonset or storage facility. Less steel also means a warmer shelter thanks to the ability of the sun to reach through the skin to warm interiors. A fabric-covered shelter also goes up faster and typically requires only basic tools to erect. Consider that many of the smaller footprint single-hoop and welded truss shelters can be erected by just two people. (As building size increases so too



Freestanding 110' x 144' Welded Truss

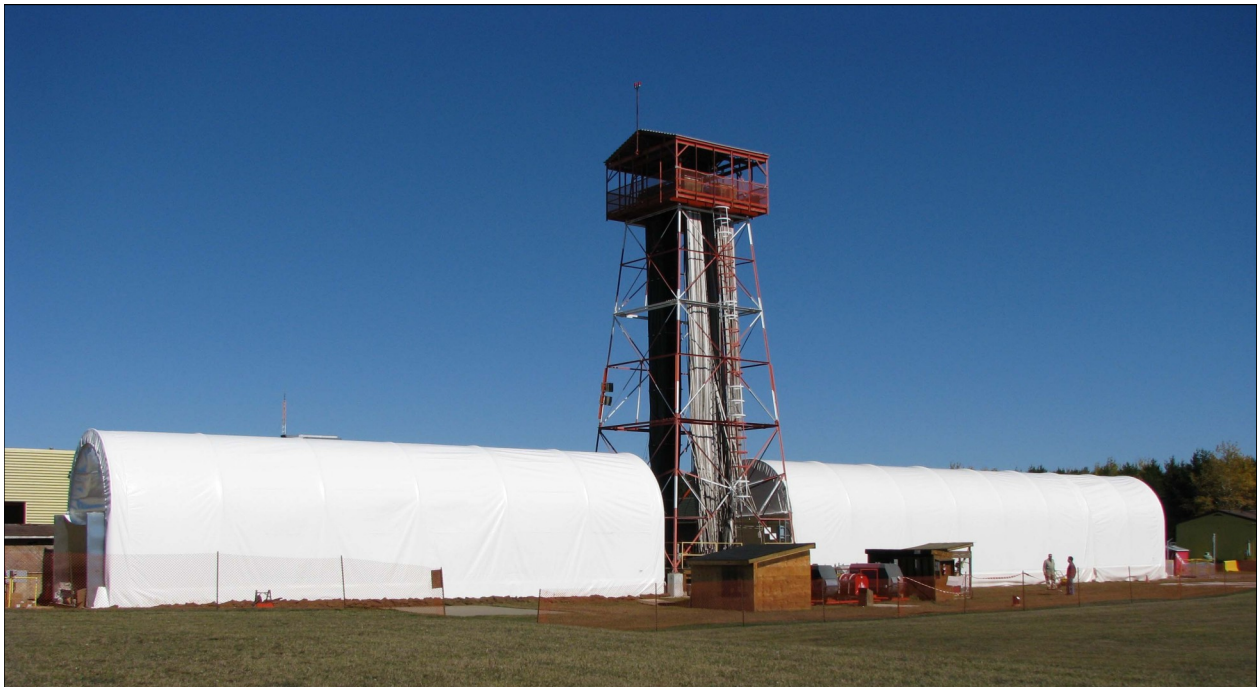


Freestanding 110' x 144' Welded Truss



High Profile 32' x 114'

does the complexity and weight of each component and Dueck suggests structures wider than 60-feet be built by experienced contractors.) Materials are also something that distinguishes **Diamond Shelters** from their competition. According to Dueck, shelters are manufactured using the highest quality domestic steel. Because their steel is produced in North America, it offers very consistent yield and tensile strengths. “All of the major components of a **Diamond Shelter**, the rafter chords, rafter webbing, purlins and cross bracing are made of hollow structural round tubing. The diameter and wall thickness of each component are selected so that the component will withstand the stresses placed on it,” he says. When it comes to the fabric cover, durability is key. To get the best, Dueck has sourced heavy-duty polyethylene from a manufacturer in



Two High Profile 19' x 72' Welded Trusses with Fire Hose Wash Tower



High Profile 60' wide Welded Truss

Truro, Nova Scotia where it is woven into sheets and rolled. Strong weather resistant seams are created in Manitoba by Dueck's brother who operates a shop with all the specialized equipment necessary to create world-class coverings with ten years of pro-rated warranty.

Usage is vast. Dueck tells that they are fielding calls from not just Canada and the US, but from locations as far as Europe, Middle East and Africa. Behind the calls are a recognition of quality

by professionals in the mining, transport and agricultural sectors as well as manufacturers, local governments and even private individuals with needs to house things like recreation vehicles or even an outdoor pool. "The use for these buildings is determined by imagination. The sky is the limit for how they can be used. Need to cover your pool? We have a solution. Need to keep commodities out of the elements? Look to us for shelters that keep rail cars dry and mining tailings in place," he says, commenting further that they are also seeing **Diamond Shelters** make a difference at outdoor food markets where they keep sun and rain off food stalls and customers. They are also seeing them used in portable scenarios where covering is required for things such as late season concrete pouring or cold weather drilling where crews need to stay warm.

"What we sell is a durable, cost effective flexible alternative that delivers performance to those seeking coverage," concludes Dueck. "Nothing leaves our shop until we see that it meets the standards we have built over 25 years. At **Diamond Shelters** your need is where we start. Where we finish is with complete customer satisfaction." Visit us at www.DiamondShelters.net



Ponywall 36' x 80'



Freestanding 15' x 32' Garage